S.P. Cramer & Associates, Inc.
636 Hedburg Way, Suite 22
Oakdale, CA 95361
(209) 847-7786
cvoffice@spcramer.com
www.spcramer.com

2004 Stanislaus River Data Report Supplement

Final Data

July 2004

Table of Contents

Section 1.

Caswell Trapping Site
- Chinook Catch
- Chinook Mean Length
- Chinook Minimum and Maximum Lengths
- Release and Recapture Data
- *O. mykiss* Data
- Non-salmonid Data
- Environmental Data
- Summary of Caswell Data 1995-2004

Section 2.

Oakdale Trapping Site
- Chinook Catch
- Chinook Mean Length
- Chinook Minimum and Maximum Lengths
- Release and Recapture Data
- *O. mykiss* Data
- Non-salmonid Data
- Environmental Data
- Summary of Oakdale Data 1995-2004

Section 3.

Caswell and Oakdale Comparisons

Section 4.

Other Data Collected
- Temperature Data
- Monthly Average Flow Data

Section 1. Caswell Trapping Site

Daily Chinook Catch at Caswell- Year 2004

Julian Week	Date	North Trap Count	South Trap Count	Combined Count
2	09-Jan-04	ns	ns	ns
2	10-Jan-04	–	–	0
2	11-Jan-04	–	–	0
2	12-Jan-04	–	–	0
2	13-Jan-04	ns	ns	ns
2	14-Jan-04	ns	ns	ns
3	15-Jan-04	ns	ns	ns
3	16-Jan-04	–	–	0
3	17-Jan-04	–	–	0
3	18-Jan-04	–	–	0
3	19-Jan-04	ns	ns	ns
3	20-Jan-04	ns	ns	ns
3	21-Jan-04	ns	ns	ns
4	22-Jan-04	–	–	0
4	23-Jan-04	–	–	0
4	24-Jan-04	1	–	1
4	25-Jan-04	1	–	1
4	26-Jan-04	ns	ns	ns
4	27-Jan-04	ns	ns	ns
4	28-Jan-04	–	1	1
5	29-Jan-04	–	–	0
5	30-Jan-04	ns	ns	ns
5	31-Jan-04	ns	ns	ns
5	01-Feb-04	ns	ns	ns
5	02-Feb-04	ns	ns	ns
5	03-Feb-04	ns	ns	ns
5	04-Feb-04	ns	ns	ns
6	05-Feb-04	ns	ns	ns
6	06-Feb-04	4	–	4
6	07-Feb-04	9	–	9
6	08-Feb-04	4	6	10
6	09-Feb-04	5	5	10
6	10-Feb-04	ns	ns	ns
6	11-Feb-04	ns	ns	ns
7	12-Feb-04	ns	ns	ns
7	13-Feb-04	1	5	6
7	14-Feb-04	2	3	5
7	15-Feb-04	1	–	1
7	16-Feb-04	ns	ns	ns
7	17-Feb-04	–	–	0
7	18-Feb-04	4	4	8
8	19-Feb-04	2	2	4
8	20-Feb-04	218	899	1117
8	21-Feb-04	1059	1298	2357
8	22-Feb-04	299	228	527
8	23-Feb-04	161	123	284

Julian Week	Date	North Trap Count	South Trap Count	Combined Count
8	24-Feb-04	65	38	103
8	25-Feb-04	11	14	25
8	26-Feb-04	35	35	70
9	27-Feb-04	9	282	291
9	28-Feb-04	3800	3048	6848
9	29-Feb-04	3470	4025	7495
9	01-Mar-04	2665	4004	6669
9	02-Mar-04	1489	1863	3352
9	03-Mar-04	337	493	830
9	04-Mar-04	ns	ns	ns
10	05-Mar-04	ns	ns	ns
10	06-Mar-04	ns	ns	ns
10	07-Mar-04	927	1414	2341
10	08-Mar-04	918	743	1661
10	09-Mar-04	428	322	750
10	10-Mar-04	ns	ns	ns
10	11-Mar-04	ns	ns	ns
11	12-Mar-04	ns	ns	ns
11	13-Mar-04	36	34	70
11	14-Mar-04	61	42	103
11	15-Mar-04	229	313	542
11	16-Mar-04	ns	ns	ns
11	17-Mar-04	ns	ns	ns
11	18-Mar-04	129	151	280
12	19-Mar-04	58	46	104
12	20-Mar-04	119	131	250
12	21-Mar-04	ns	ns	ns
12	22-Mar-04	ns	ns	ns
12	23-Mar-04	ns	ns	ns
12	24-Mar-04	76	67	143
12	25-Mar-04	190	159	349
13	26-Mar-04	ns	ns	ns
13	27-Mar-04	ns	ns	ns
13	28-Mar-04	ns	ns	ns
13	29-Mar-04	123	158	281
13	30-Mar-04	65	85	150
13	31-Mar-04	59	89	148
13	01-Apr-04	ns	ns	ns
14	02-Apr-04	ns	ns	ns
14	03-Apr-04	ns	ns	ns
14	04-Apr-04	30	37	67
14	05-Apr-04	39	24	63
14	06-Apr-04	ns	ns	ns
14	07-Apr-04	ns	ns	ns
14	08-Apr-04	ns	ns	ns
15	09-Apr-04	ns	ns	ns

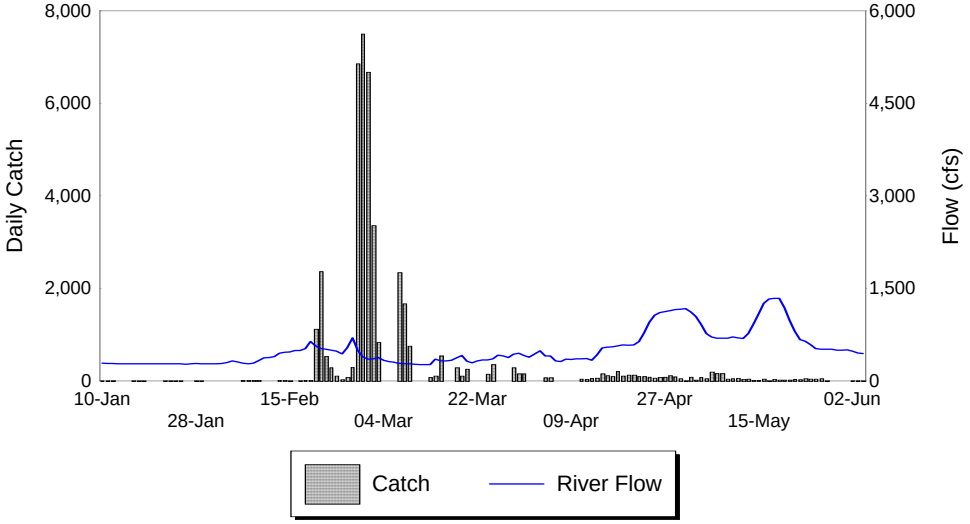
Daily Chinook Catch at Caswell- Year 2004

Julian Week	Date	North Trap Count	South Trap Count	Combined Count
15	10-Apr-04	ns	ns	ns
15	11-Apr-04	22	12	34
15	12-Apr-04	10	18	28
15	13-Apr-04	22	27	49
15	14-Apr-04	30	25	55
15	15-Apr-04	76	77	153
16	16-Apr-04	50	57	107
16	17-Apr-04	52	45	97
16	18-Apr-04	91	110	201
16	19-Apr-04	35	67	102
16	20-Apr-04	52	70	122
16	21-Apr-04	47	74	121
16	22-Apr-04	33	61	94
17	23-Apr-04	25	66	91
17	24-Apr-04	11	69	80
17	25-Apr-04	1	59	60
17	26-Apr-04	23	46	69
17	27-Apr-04	13	63	76
17	28-Apr-04	4	106	110
17	29-Apr-04	4	83	87
18	30-Apr-04	4	37	41
18	01-May-04	1	1	2
18	02-May-04	4	72	76
18	03-May-04	12	2	14
18	04-May-04	12	62	74
18	05-May-04	11	33	44
18	06-May-04	50	140	190
19	07-May-04	46	112	158
19	08-May-04	74	85	159
19	09-May-04	11	26	37
19	10-May-04	18	27	45
19	11-May-04	19	30	49
19	12-May-04	–	28	28
19	13-May-04	–	34	34
20	14-May-04	4	5	9
20	15-May-04	–	9	9
20	16-May-04	3	33	36
20	17-May-04	–	1	1
20	18-May-04	6	20	26
20	19-May-04	1	13	14
20	20-May-04	1	15	16
21	21-May-04	–	13	13
21	22-May-04	7	24	31
21	23-May-04	7	15	22
21	24-May-04	27	15	42
21	25-May-04	16	22	38
21	26-May-04	17	22	39
21	27-May-04	21	21	42
22	28-May-04	3	–	3
22	29-May-04	ns	ns	ns
22	30-May-04	ns	ns	ns
22	31-May-04	ns	ns	ns
22	01-Jun-04	ns	ns	ns
22	02-Jun-04	–	–	0
22	03-Jun-04	–	1	1
23	04-Jun-04	–	–	0

ns = no sample

Yearlings not included in count. 3 captured on 29-Feb-04

2004 Daily River Flow at RIP
an Chinook Catch at Caswell



Daily Chinook Mean Length at Caswell - Year 2004

Julian Week	Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)
2	09-Jan-04	ns	ns	ns
2	10-Jan-04	–	–	–
2	11-Jan-04	–	–	–
2	12-Jan-04	–	–	–
2	13-Jan-04	ns	ns	ns
2	14-Jan-04	ns	ns	ns
3	15-Jan-04	ns	ns	ns
3	16-Jan-04	–	–	–
3	17-Jan-04	–	–	–
3	18-Jan-04	–	–	–
3	19-Jan-04	ns	ns	ns
3	20-Jan-04	ns	ns	ns
3	21-Jan-04	ns	ns	ns
4	22-Jan-04	–	–	–
4	23-Jan-04	–	–	–
4	24-Jan-04	37.0	–	37.0
4	25-Jan-04	31.0	–	31.0
4	26-Jan-04	ns	ns	ns
4	27-Jan-04	ns	ns	ns
4	28-Jan-04	–	33.0	33.0
5	29-Jan-04	–	–	–
5	30-Jan-04	ns	ns	ns
5	31-Jan-04	ns	ns	ns
5	01-Feb-04	ns	ns	ns
5	02-Feb-04	ns	ns	ns
5	03-Feb-04	ns	ns	ns
5	04-Feb-04	ns	ns	ns
6	05-Feb-04	ns	ns	ns
6	06-Feb-04	36.5	–	36.5
6	07-Feb-04	36.4	–	36.4
6	08-Feb-04	36.3	36.6	36.4
6	09-Feb-04	36.6	36.8	36.7
6	10-Feb-04	ns	ns	ns
6	11-Feb-04	ns	ns	ns
7	12-Feb-04	ns	ns	ns
7	13-Feb-04	36.0	36.6	36.5
7	14-Feb-04	35.5	37.0	36.4
7	15-Feb-04	37.0	–	37.0
7	16-Feb-04	ns	ns	ns
7	17-Feb-04	–	–	–
7	18-Feb-04	36.3	37.5	36.9
8	19-Feb-04	37.0	35.0	36.3
8	20-Feb-04	35.3	35.5	35.4
8	21-Feb-04	35.9	36.2	36.0
8	22-Feb-04	37.4	37.0	37.2
8	23-Feb-04	37.2	37.3	37.3
8	24-Feb-04	37.8	37.9	37.9
8	25-Feb-04	37.2	37.1	37.1
8	26-Feb-04	37.5	37.5	37.5
9	27-Feb-04	37.9	38.3	38.3
9	28-Feb-04	36.5	36.4	36.5
9	29-Feb-04	36.3	36.9	36.6
9	01-Mar-04	37.4	37.2	37.3
9	02-Mar-04	38.5	38.1	38.3
9	03-Mar-04	38.7	40.7	39.7
9	04-Mar-04	ns	ns	ns
10	05-Mar-04	ns	ns	ns
10	06-Mar-04	ns	ns	ns
10	07-Mar-04	42.5	43.7	43.1
10	08-Mar-04	45.0	45.0	45.0
10	09-Mar-04	45.9	44.8	45.3
10	10-Mar-04	ns	ns	ns
10	11-Mar-04	ns	ns	ns
11	12-Mar-04	ns	ns	ns
11	13-Mar-04	44.6	43.6	44.1
11	14-Mar-04	45.7	44.6	45.2
11	15-Mar-04	49.4	50.8	50.1
11	16-Mar-04	ns	ns	ns
11	17-Mar-04	ns	ns	ns
11	18-Mar-04	53.0	52.4	52.7
12	19-Mar-04	52.5	55.7	54.1
12	20-Mar-04	56.6	57.6	57.1
12	21-Mar-04	ns	ns	ns
12	22-Mar-04	ns	ns	ns
12	23-Mar-04	ns	ns	ns
12	24-Mar-04	56.9	56.4	56.6
12	25-Mar-04	56.5	55.7	56.1
13	26-Mar-04	ns	ns	ns
13	27-Mar-04	ns	ns	ns
13	28-Mar-04	ns	ns	ns
13	29-Mar-04	57.4	57.3	57.4
13	30-Mar-04	59.4	58.3	58.9
13	31-Mar-04	61.1	60.7	60.8
13	01-Apr-04	ns	ns	ns
14	02-Apr-04	ns	ns	ns
14	03-Apr-04	ns	ns	ns
14	04-Apr-04	63.7	64.2	64.0
14	05-Apr-04	64.0	64.6	64.3
14	06-Apr-04	ns	ns	ns
14	07-Apr-04	ns	ns	ns
14	08-Apr-04	ns	ns	ns
15	09-Apr-04	ns	ns	ns

Daily Chinook Mean Length at Caswell - Year 2004

Julian Week	Date	North Trap Length (mm)	South Trap Length (mm)	Combined Length (mm)
16	18-Apr-04	72.0	72.6	72.3
16	19-Apr-04	73.4	74.4	74.0
16	20-Apr-04	72.2	73.4	72.8
16	21-Apr-04	74.1	74.3	74.2
16	22-Apr-04	72.5	72.8	72.7
17	23-Apr-04	73.8	74.5	74.3
17	24-Apr-04	73.9	75.8	75.5
17	25-Apr-04	75.0	73.8	73.8
17	26-Apr-04	75.4	75.4	75.4
17	27-Apr-04	75.5	76.8	76.6
17	28-Apr-04	71.3	77.2	76.8
17	29-Apr-04	76.3	77.5	77.5
18	30-Apr-04	74.5	78.2	77.8
18	01-May-04	75.0	73.0	74.0
18	02-May-04	78.8	79.4	79.4
18	03-May-04	79.7	85.0	80.4
18	04-May-04	80.2	79.3	79.5
18	05-May-04	80.2	80.5	80.4
18	06-May-04	81.2	79.7	80.5
19	07-May-04	81.6	81.6	81.6
19	08-May-04	81.4	80.7	81.0
19	09-May-04	82.5	78.8	79.9
19	10-May-04	81.8	82.5	82.2
19	11-May-04	82.8	82.1	82.4
19	12-May-04	–	80.5	80.5
19	13-May-04	–	83.9	83.9
20	14-May-04	78.5	83.0	81.0
20	15-May-04	–	82.9	82.9
20	16-May-04	90.3	80.5	81.3
20	17-May-04	–	82.0	82.0
20	18-May-04	84.2	78.5	79.9
20	19-May-04	81.0	83.5	83.4
20	20-May-04	87.0	86.1	86.1
21	21-May-04	–	91.9	91.9
21	22-May-04	87.1	90.4	89.6
21	23-May-04	86.1	85.3	85.5
21	24-May-04	89.7	88.0	89.1
21	25-May-04	86.3	87.7	87.1
21	26-May-04	86.8	88.0	87.4
21	27-May-04	88.9	88.2	88.5
22	28-May-04	88.3	–	88.3
22	29-May-04	ns	ns	ns
22	30-May-04	ns	ns	ns
22	31-May-04	ns	ns	ns
22	01-Jun-04	ns	ns	ns
22	02-Jun-04	–	–	–
22	03-Jun-04	–	98.0	98.0
23	04-Jun-04	–	–	–

ns = no sample

Daily Chinook Minimum, Maximum and Mean Lengths at Caswell - Year 2004

Julian Week	Date	Min	Average	Max
2	09-Jan-04	ns	ns	ns
2	10-Jan-04	–	–	–
2	11-Jan-04	–	–	–
2	12-Jan-04	–	–	–
2	13-Jan-04	ns	ns	ns
2	14-Jan-04	ns	ns	ns
3	15-Jan-04	ns	ns	ns
3	16-Jan-04	–	–	–
3	17-Jan-04	–	–	–
3	18-Jan-04	–	–	–
3	19-Jan-04	ns	ns	ns
3	20-Jan-04	ns	ns	ns
3	21-Jan-04	ns	ns	ns
4	22-Jan-04	–	–	–
4	23-Jan-04	–	–	–
4	24-Jan-04	37	37.0	37
4	25-Jan-04	31	31.0	31
4	26-Jan-04	ns	ns	ns
4	27-Jan-04	ns	ns	ns
4	28-Jan-04	33	33.0	33
5	29-Jan-04	–	–	–
5	30-Jan-04	ns	ns	ns
5	31-Jan-04	ns	ns	ns
5	01-Feb-04	ns	ns	ns
5	02-Feb-04	ns	ns	ns
5	03-Feb-04	ns	ns	ns
5	04-Feb-04	ns	ns	ns
6	05-Feb-04	ns	ns	ns
6	06-Feb-04	35	36.5	38
6	07-Feb-04	33	36.4	39
6	08-Feb-04	34	36.4	38
6	09-Feb-04	35	36.7	38
6	10-Feb-04	ns	ns	ns
6	11-Feb-04	ns	ns	ns
7	12-Feb-04	ns	ns	ns
7	13-Feb-04	34	36.5	38
7	14-Feb-04	34	36.4	38
7	15-Feb-04	37	37.0	37
7	16-Feb-04	ns	ns	ns
7	17-Feb-04	–	–	–
7	18-Feb-04	36	36.9	40
8	19-Feb-04	35	36.3	39
8	20-Feb-04	30	35.4	40
8	21-Feb-04	31	36.0	40
8	22-Feb-04	30	37.2	42
8	23-Feb-04	28	37.3	43

Julian Week	Date	Min	Average	Max
8	24-Feb-04	32	37.9	46
8	25-Feb-04	30	37.1	48
8	26-Feb-04	27	37.5	52
9	27-Feb-04	33	38.3	68
9	28-Feb-04	31	36.5	44
9	29-Feb-04	31	36.6	45
9	01-Mar-04	30	37.3	47
9	02-Mar-04	32	38.3	64
9	03-Mar-04	30	39.7	65
9	04-Mar-04	ns	ns	ns
10	05-Mar-04	ns	ns	ns
10	06-Mar-04	ns	ns	ns
10	07-Mar-04	32	43.1	72
10	08-Mar-04	37	45.0	77
10	09-Mar-04	34	45.3	91
10	10-Mar-04	ns	ns	ns
10	11-Mar-04	ns	ns	ns
11	12-Mar-04	ns	ns	ns
11	13-Mar-04	37	44.1	60
11	14-Mar-04	35	45.2	64
11	15-Mar-04	33	50.1	89
11	16-Mar-04	ns	ns	ns
11	17-Mar-04	ns	ns	ns
11	18-Mar-04	38	52.7	84
12	19-Mar-04	34	54.1	80
12	20-Mar-04	38	57.1	87
12	21-Mar-04	ns	ns	ns
12	22-Mar-04	ns	ns	ns
12	23-Mar-04	ns	ns	ns
12	24-Mar-04	45	56.6	79
12	25-Mar-04	44	56.1	75
13	26-Mar-04	ns	ns	ns
13	27-Mar-04	ns	ns	ns
13	28-Mar-04	ns	ns	ns
13	29-Mar-04	47	57.4	76
13	30-Mar-04	48	58.9	80
13	31-Mar-04	48	60.8	92
13	01-Apr-04	ns	ns	ns
14	02-Apr-04	ns	ns	ns
14	03-Apr-04	ns	ns	ns
14	04-Apr-04	40	64.0	76
14	05-Apr-04	55	64.3	80
14	06-Apr-04	ns	ns	ns
14	07-Apr-04	ns	ns	ns
14	08-Apr-04	ns	ns	ns
15	09-Apr-04	ns	ns	ns

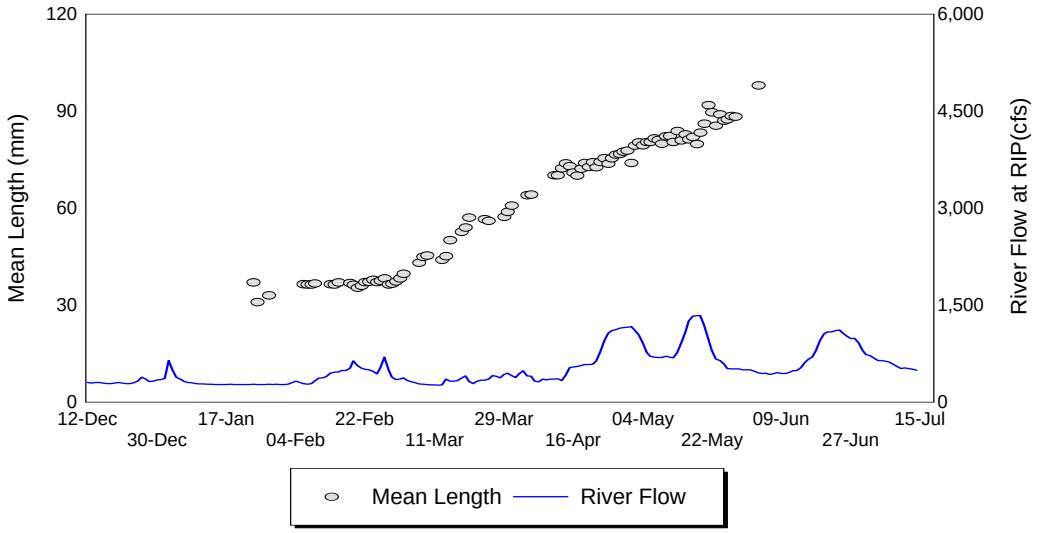
Daily Chinook Minimum, Maximum and Mean Lengths at Caswell - Year 2004

Julian Week	Date	Min	Average	Max
15	10-Apr-04	ns	ns	ns
15	11-Apr-04	61	70.2	94
15	12-Apr-04	60	70.1	83
15	13-Apr-04	62	72.4	92
15	14-Apr-04	63	73.9	98
15	15-Apr-04	55	73.0	95
16	16-Apr-04	60	71.1	107
16	17-Apr-04	55	70.1	86
16	18-Apr-04	56	72.3	93
16	19-Apr-04	64	74.0	91
16	20-Apr-04	63	72.8	101
16	21-Apr-04	60	74.2	88
16	22-Apr-04	65	72.7	86
17	23-Apr-04	60	74.3	98
17	24-Apr-04	64	75.5	95
17	25-Apr-04	62	73.8	85
17	26-Apr-04	63	75.4	92
17	27-Apr-04	65	76.6	92
17	28-Apr-04	67	76.8	96
17	29-Apr-04	66	77.5	97
18	30-Apr-04	70	77.8	92
18	01-May-04	73	74.0	75
18	02-May-04	65	79.4	95
18	03-May-04	75	80.4	88
18	04-May-04	67	79.5	95
18	05-May-04	68	80.4	94
18	06-May-04	68	80.5	91
19	07-May-04	65	81.6	95
19	08-May-04	70	81.0	100
19	09-May-04	67	79.9	91
19	10-May-04	70	82.2	95
19	11-May-04	69	82.4	102
19	12-May-04	68	80.5	92
19	13-May-04	70	83.9	97
20	14-May-04	74	81.0	88
20	15-May-04	74	82.9	95
20	16-May-04	65	81.3	99
20	17-May-04	82	82.0	82
20	18-May-04	71	79.9	90
20	19-May-04	75	83.4	95
20	20-May-04	78	86.1	99
21	21-May-04	84	91.9	100
21	22-May-04	81	89.6	105
21	23-May-04	67	85.5	94

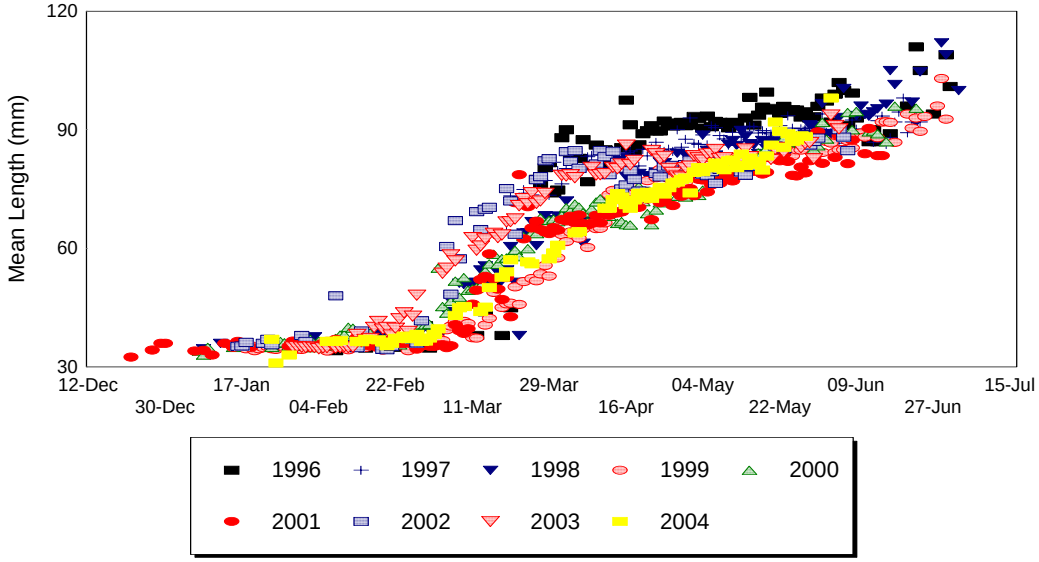
ns = no sample

Julian Week	Date	Min	Average
22	29-May-04	ns	ns
22	30-May-04	ns	ns
22	31-May-04	ns	ns
22	01-Jun-04	ns	ns
22	02-Jun-04	–	–
22	03-Jun-04	98	98.0
23	04-Jun-04	–	–
21	24-May-04	77	89.1
21	25-May-04	76	87.1
21	26-May-04	72	87.4
21	27-May-04	76	88.5
22	28-May-04	79	88.3

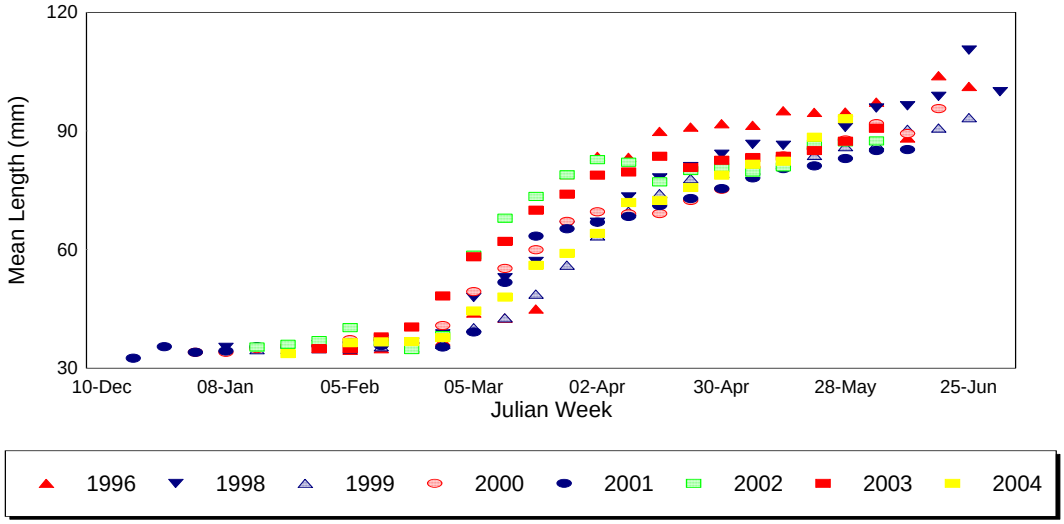
2004 Daily Chinook Mean Lengths
at Caswell



Daily Chinook Mean Length
at Caswell 1996 - 2004



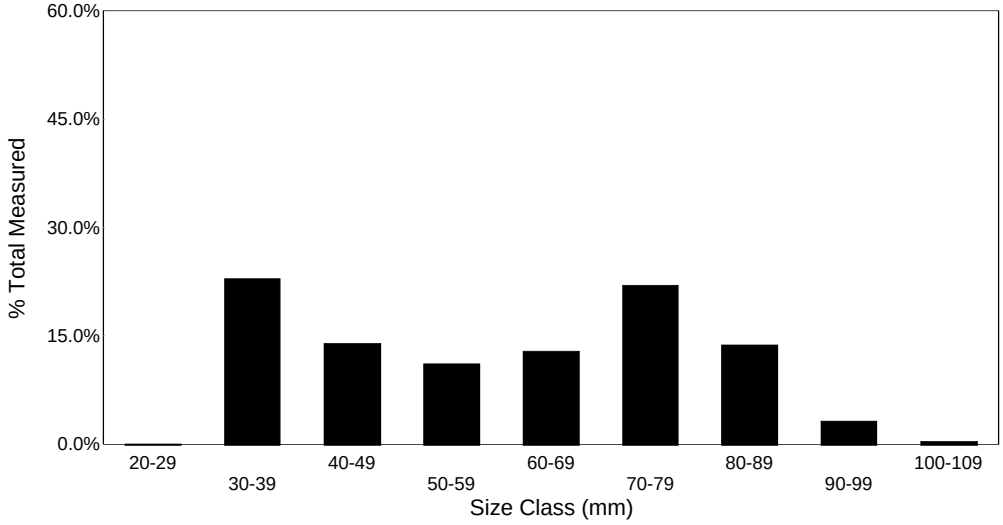
Mean Length by Julian Week
at Caswell 1996 to 2004



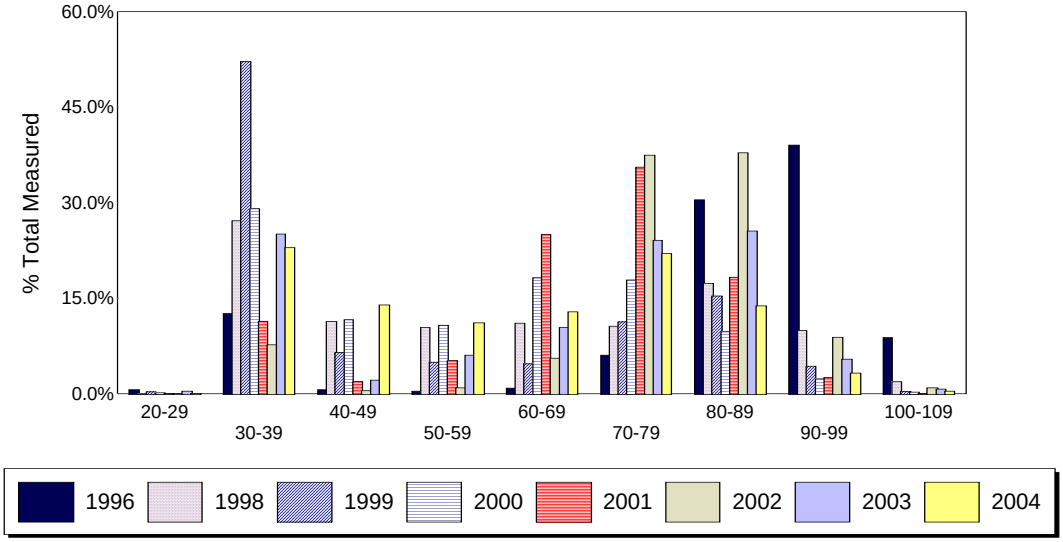
2004 Length frequency table for all Chinook measured at Caswell.

Length Interval (mm)	Julian Week 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Season Total	% Total
20-29				1	1														2	0.04%
30-39	3	32	19	525	561	77	31	4											1,252	22.94%
40-49			1	54	147	264	217	69	7	3									762	13.96%
50-59					5	51	80	260	185	22		4							607	11.12%
60-69					4	6	18	99	129	79	70	225	56	9	6	1	1		703	12.88%
70-79						4	12	22	15	23	73	439	276	147	136	37	16	1	1,201	22.01%
80-89							4	5	3	1	17	83	100	146	222	58	113		752	13.78%
90-99						1			2		6	7	9	15	45	14	74	3	176	3.23%
100-109												2			2		18		22	0.40%
110-119																			0	0.00%
	3	32	20	580	718	403	362	459	341	128	166	760	441	317	411	110	222	4	5,477	

Length Frequency of Measured Chinook
at Caswell - 2004



Length Frequency of Chinook Measured
at Caswell 1996-2004



Smolt index values for all natural Chinook rated during 2004 at Caswell.

	ST004N					ST004S					Combined			
Date	# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index
09-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
10-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
11-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
12-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
13-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
15-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
16-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
17-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
18-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
19-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
20-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
21-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
22-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
23-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
24-Jan-04	1	–	–	1.00		–	–	–	–		1			1.00
25-Jan-04	1	–	–	1.00		–	–	–	–		1			1.00
26-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
27-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
28-Jan-04	–	–	–	–		1	–	–	1.00		1	–	–	1.00
29-Jan-04	–	–	–	–		–	–	–	–		–	–	–	–
30-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
31-Jan-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
01-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
02-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
03-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
04-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
05-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
06-Feb-04	4	–	–	1.00		–	–	–	–		4	–	–	1.00
07-Feb-04	9	–	–	1.00		–	–	–	–		9	–	–	1.00
08-Feb-04	4	–	–	1.00		4	–	–	1.00		8	–	–	1.00
09-Feb-04	5	–	–	1.00		5	–	–	1.00		10	–	–	1.00
10-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
11-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
12-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
13-Feb-04	1	–	–	1.00		5	–	–	1.00		6	–	–	1.00
14-Feb-04	2	–	–	1.00		3	–	–	1.00		5	–	–	1.00
15-Feb-04	1	–	–	1.00		–	–	–	–		1	–	–	1.00
16-Feb-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
17-Feb-04	–	–	–	–		–	–	–	–		–	–	–	–
18-Feb-04	4	–	–	1.00		3	–	–	1.00		7	–	–	1.00
19-Feb-04	2	–	–	1.00		1	–	–	1.00		3	–	–	1.00
20-Feb-04	50	–	–	1.00		50	–	–	1.00		100	–	–	1.00
21-Feb-04	50	–	–	1.00		50	–	–	1.00		100	–	–	1.00
22-Feb-04	50	–	–	1.00		50	–	–	1.00		100	–	–	1.00
23-Feb-04	70	–	–	1.00		55	–	–	1.00		125	–	–	1.00
24-Feb-04	50	–	–	1.00		38	–	–	1.00		88	–	–	1.00

Smolt index values for all natural Chinook rated during 2004 at Caswell.

	ST004N				ST004S				Combined			
Date	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index	# 1	# 2	# 3	Mean Index
25-Feb-04	11	–	–	1.00	14	–	–	1.00	25	–	–	1.00
26-Feb-04	32	–	–	1.00	30	1	–	1.03	62	1	–	1.02
27-Feb-04	8	–	–	1.00	53	1	–	1.02	61	1	–	1.02
28-Feb-04	50	–	–	1.00	50	–	–	1.00	100	–	–	1.00
29-Feb-04	50	–	–	1.00	50	–	–	1.00	100	–	–	1.00
01-Mar-04	48	2	–	1.04	49	1	–	1.02	97	3	–	1.03
02-Mar-04	70	1	–	1.01	68	2	–	1.03	138	3	–	1.02
03-Mar-04	49	6	–	1.11	45	8	–	1.15	94	14	–	1.13
04-Mar-04	ns	ns	–	ns	–	–	–	–	–	–	–	–
05-Mar-04	ns	ns	–	ns	–	–	–	–	–	–	–	–
06-Mar-04	ns	ns	–	ns	–	–	–	–	–	–	–	–
07-Mar-04	49	8	–	1.14	50	6	–	1.11	99	14	–	1.12
08-Mar-04	–	51	–	2.00	2	51	–	1.96	2	102	–	1.98
09-Mar-04	31	39	–	1.56	36	34	–	1.49	67	73	–	1.52
10-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Mar-04	2	34	–	1.94	5	29	–	1.85	7	63	–	1.90
14-Mar-04	2	48	–	1.96	7	35	–	1.83	9	83	–	1.90
15-Mar-04	1	49	–	1.98	4	46	–	1.92	5	95	–	1.95
16-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-Mar-04	–	50	–	2.00	–	50	–	2.00	–	100	–	2.00
19-Mar-04	1	49	–	1.98	2	44	–	1.96	3	93	–	1.97
20-Mar-04	–	70	–	2.00	2	68	–	1.97	2	138	–	1.99
21-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
23-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Mar-04	–	49	1	2.02	–	50	–	2.00	–	99	1	2.01
25-Mar-04	–	50	–	2.00	–	50	–	2.00	–	100	–	2.00
26-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
29-Mar-04	–	50	–	2.00	–	50	–	2.00	–	100	–	2.00
30-Mar-04	–	44	6	2.12	–	49	1	2.02	–	93	7	2.07
31-Mar-04	–	44	–	2.00	–	61	–	2.00	–	105	–	2.00
01-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Apr-04	–	28	–	2.00	–	37	–	2.00	–	65	–	2.00
05-Apr-04	–	39	–	2.00	–	24	–	2.00	–	63	–	2.00
06-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
08-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
09-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Apr-04	–	17	5	2.23	–	10	2	2.17	–	27	7	2.21

Smolt index values for all natural Chinook rated during 2004 at Caswell.

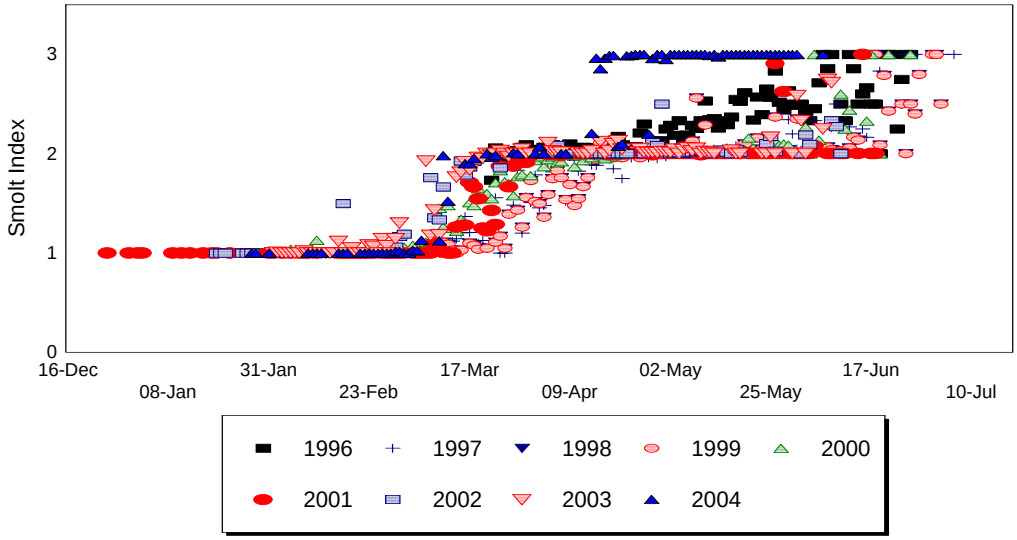
	ST004N					ST004S					Combined			
Date	# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index
12-Apr-04	–	–	10	3.00		–	1	17	2.94		–	1	27	2.96
13-Apr-04	–	1	21	2.95		–	6	21	2.78		–	7	42	2.86
14-Apr-04	–	2	28	2.93		–	–	25	3.00		–	2	53	2.96
15-Apr-04	–	1	49	2.98		–	–	50	3.00		–	1	99	2.99
16-Apr-04	–	–	50	3.00		–	1	49	2.98		–	1	99	2.99
17-Apr-04	–	46	4	2.08		–	42	3	2.07		–	88	7	2.07
18-Apr-04	–	45	5	2.10		–	45	5	2.10		–	90	10	2.10
19-Apr-04	–	–	33	3.00		–	1	49	2.98		–	1	82	2.99
20-Apr-04	–	–	50	3.00		–	1	49	2.98		–	1	99	2.99
21-Apr-04	–	–	45	3.00		–	–	50	3.00		–	–	95	3.00
22-Apr-04	–	–	33	3.00		–	–	50	3.00		–	–	83	3.00
23-Apr-04	–	–	25	3.00		–	–	50	3.00		–	–	75	3.00
24-Apr-04	–	10	1	2.09		–	38	11	2.22		–	48	12	2.20
25-Apr-04	–	–	1	3.00		–	2	48	2.96		–	2	49	2.96
26-Apr-04	–	–	23	3.00		–	–	46	3.00		–	–	69	3.00
27-Apr-04	–	–	13	3.00		–	–	53	3.00		–	–	66	3.00
28-Apr-04	–	–	4	3.00		–	3	53	2.95		–	3	57	2.95
29-Apr-04	–	–	4	3.00		–	–	53	3.00		–	–	57	3.00
30-Apr-04	–	–	4	3.00		–	–	12	3.00		–	–	16	3.00
01-May-04	–	–	1	3.00		–	–	1	3.00		–	–	2	3.00
02-May-04	–	–	4	3.00		–	–	50	3.00		–	–	54	3.00
03-May-04	–	–	12	3.00		–	–	2	3.00		–	–	14	3.00
04-May-04	–	–	11	3.00		–	–	50	3.00		–	–	61	3.00
05-May-04	–	–	11	3.00		–	–	20	3.00		–	–	31	3.00
06-May-04	–	–	50	3.00		–	–	50	3.00		–	–	100	3.00
07-May-04	–	–	46	3.00		–	–	50	3.00		–	–	96	3.00
08-May-04	–	1	46	2.98		–	–	53	3.00		–	1	99	2.99
09-May-04	–	–	11	3.00		–	–	26	3.00		–	–	37	3.00
10-May-04	–	–	15	3.00		–	–	26	3.00		–	1	41	2.98
11-May-04	–	–	18	3.00		–	–	30	3.00		–	–	48	3.00
12-May-04	–	–	–	–		–	–	28	3.00		–	–	28	3.00
13-May-04	–	–	–	–		–	–	34	3.00		–	–	34	3.00
14-May-04	–	–	4	3.00		–	–	5	3.00		–	–	9	3.00
15-May-04	–	–	–	–		–	–	9	3.00		–	–	9	3.00
16-May-04	–	–	3	3.00		–	–	33	3.00		–	–	36	3.00
17-May-04	–	–	–	–		–	–	1	3.00		–	–	1	3.00
18-May-04	–	–	6	3.00		–	–	19	3.00		–	–	25	3.00
19-May-04	–	–	1	3.00		–	–	12	3.00		–	–	13	3.00
20-May-04	–	–	1	3.00		–	–	15	3.00		–	–	16	3.00
21-May-04	–	–	–	–		–	–	13	3.00		–	–	13	3.00
22-May-04	–	–	7	3.00		–	–	22	3.00		–	–	29	3.00
23-May-04	–	–	7	3.00		–	–	14	3.00		–	–	21	3.00
24-May-04	–	–	25	3.00		–	–	–	–		–	–	25	3.00
25-May-04	–	–	16	3.00		–	–	22	3.00		–	–	38	3.00
26-May-04	–	–	17	3.00		–	–	21	3.00		–	–	38	3.00
27-May-04	–	–	20	3.00		–	–	20	3.00		–	–	40	3.00
28-May-04	–	–	3	3.00		–	–	–	–		–	–	3	3.00

Smolt index values for all natural Chinook rated during 2004 at Caswell.

	ST004N					ST004S					Combined			
Date	# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index		# 1	# 2	# 3	Mean Index
29-May-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
30-May-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
31-May-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
01-Jun-04	ns	ns	ns	ns		ns	ns	ns	ns		ns	ns	ns	ns
02-Jun-04	–	–	–	–		–	–	–	–		–	–	–	–
03-Jun-04	–	–	–	–		–	–	1	3.00		–	–	1	3.00
04-Jun-04	–	–	–	–		–	–	–	–		–	–	–	–

ns=no sample

1996 - 2004 Daily Smolt Index
Values at Caswell



Caswell Releases and Recapture Data - Year 2004

Designated Release Code	Release Location	Release Date	Mark Type	Fish Stock	Release Time	Adjusted # Released	Number Recaptured	% Recaptured	Mean Length at Release (mm)	Mean Length at Recap. (mm)	RIP Flow (cfs)
C1	N.BANK	22-Feb-04	CFP	WILD	1825	323	47	14.55%	37.0	36.7	511
C2	N.BANK	25-Feb-04	CFP	WILD	1830	93	7	7.53%	36.9	37.4	537
C3	N.BANK	01-Mar-04	CFP	WILD	1830	626	66	10.54%	36.2	36.9	355
C4	N.BANK	08-Mar-04	CFP	WILD	1900	346	54	15.61%	44.8	43.0	274
C5	N.BANK	19-Mar-04	CFP	WILD	1850	218	23	10.55%	52.8	51.0	409
C6	N.BANK	30-Mar-04	CFP	WILD	1845	238	40	16.81%	28.3	58.6	450
C7	N.BANK	27-Apr-04	CFP	WILD	2130	58	2	3.45%	74.9	78.5	1120
C8	N.BANK	07-May-04	CFP	WILD	2100	137	23	16.79%	83.6	82.3	693

Number and Date of all Recaptures at Caswell during 2004.

Date	C1	C2	C3	C4	C5	C6	C7	C8
09-Jan-04								
10-Jan-04								
11-Jan-04								
12-Jan-04								
13-Jan-04								
14-Jan-04								
15-Jan-04								
16-Jan-04								
17-Jan-04								
18-Jan-04								
19-Jan-04								
20-Jan-04								
21-Jan-04								
22-Jan-04								
23-Jan-04								
24-Jan-04								
25-Jan-04								
26-Jan-04								
27-Jan-04								
28-Jan-04								
29-Jan-04								
30-Jan-04								
31-Jan-04								
01-Feb-04								
02-Feb-04								
03-Feb-04								
04-Feb-04								
05-Feb-04								
06-Feb-04								
07-Feb-04								
08-Feb-04								
09-Feb-04								
10-Feb-04								
11-Feb-04								
12-Feb-04								
13-Feb-04								
14-Feb-04								
15-Feb-04								
16-Feb-04								
17-Feb-04								
18-Feb-04								
19-Feb-04								
20-Feb-04								
21-Feb-04								
22-Feb-04	47							
23-Feb-04								
24-Feb-04								
25-Feb-04		6						
26-Feb-04		1						
27-Feb-04								

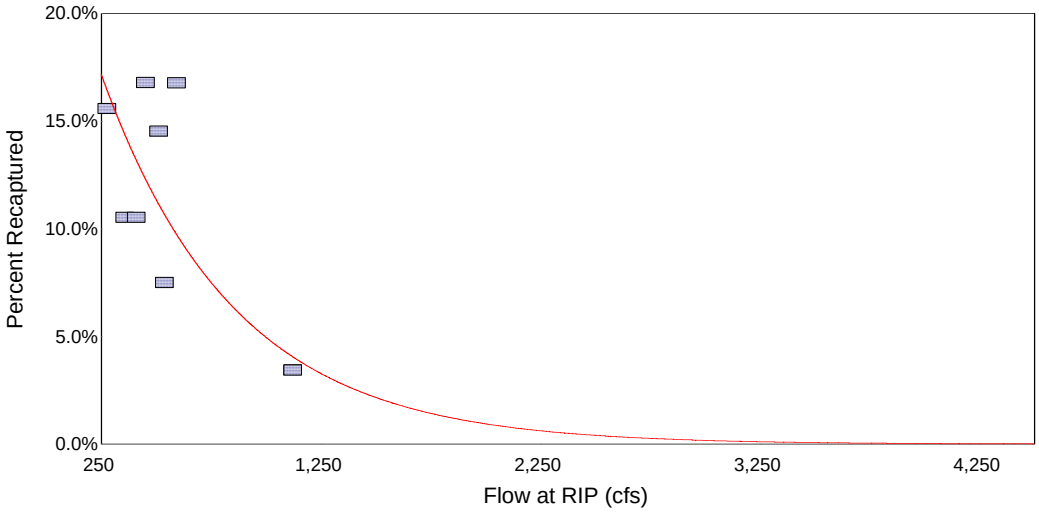
Number and Date of all Recaptures at Caswell during 2004.

Date	C1	C2	C3	C4	C5	C6	C7	C8
28-Feb-04								
29-Feb-04								
01-Mar-04			65					
02-Mar-04			1					
03-Mar-04								
04-Mar-04								
05-Mar-04								
06-Mar-04								
07-Mar-04								
08-Mar-04				48				
09-Mar-04				6				
10-Mar-04								
11-Mar-04								
12-Mar-04								
13-Mar-04								
14-Mar-04								
15-Mar-04								
16-Mar-04								
17-Mar-04								
18-Mar-04								
19-Mar-04					20			
20-Mar-04					3			
21-Mar-04								
22-Mar-04								
23-Mar-04								
24-Mar-04								
25-Mar-04								
26-Mar-04								
27-Mar-04								
28-Mar-04								
29-Mar-04								
30-Mar-04						36		
31-Mar-04						4		
01-Apr-04								
02-Apr-04								
03-Apr-04								
04-Apr-04								
05-Apr-04								
06-Apr-04								
07-Apr-04								
08-Apr-04								
09-Apr-04								
10-Apr-04								
11-Apr-04								
12-Apr-04								
13-Apr-04								
14-Apr-04								
15-Apr-04								
16-Apr-04								
17-Apr-04								

Number and Date of all Recaptures at Caswell during 2004.

Date	C1	C2	C3	C4	C5	C6	C7	C8
18-Apr-04								
19-Apr-04								
20-Apr-04								
21-Apr-04								
22-Apr-04								
23-Apr-04								
24-Apr-04								
25-Apr-04								
26-Apr-04								
27-Apr-04							2	
28-Apr-04								
29-Apr-04								
30-Apr-04								
01-May-04								
02-May-04								
03-May-04								
04-May-04								
05-May-04								
06-May-04								
07-May-04								19
08-May-04								4
09-May-04								
10-May-04								
11-May-04								
12-May-04								
13-May-04								
14-May-04								
15-May-04								
16-May-04								
17-May-04								
18-May-04								
19-May-04								
20-May-04								
21-May-04								
22-May-04								
23-May-04								
24-May-04								
25-May-04								
26-May-04								
27-May-04								
28-May-04								
29-May-04								
30-May-04								
31-May-04								
01-Jun-04								
02-Jun-04								
03-Jun-04								
04-Jun-04								
Total	47	7	66	54	23	40	2	23
	C1	C2	C3	C4	C5	C6	C7	C8

2004 Caswell Combined Trap Efficiency



Rainbow/steelhead captured at Caswell during 2004.

Station	Date	Time	Length (mm)	Smolt Index
ST004N	07-Feb-04	11:00 AM	228	5
ST004N	19-Feb-04	12:45 PM	245	5
ST004N	20-Feb-04	12:00 PM	232	5
ST004N	20-Feb-04	12:00 PM	246	5
ST004S	20-Feb-04	11:30 AM	220	5
ST004N	22-Feb-04	06:00 PM	252	5
ST004N	26-Feb-04	12:00 PM	268	5
ST004S	27-Feb-04	11:00 AM	245	5
ST004N	29-Feb-04	10:00 AM	262	5
ST004S	29-Feb-04	09:15 AM	276	5
ST004N	01-Mar-04	11:00 AM	242	5
ST004N	02-Mar-04	01:15 PM	220	5
ST004S	07-Mar-04	09:45 AM	229	5
ST004N	15-Mar-04	12:15 PM	212	4
ST004N	18-Mar-04	09:45 AM	245	5
ST004N	19-Mar-04	08:20 PM	291	5
ST004S	25-Mar-04	09:45 AM	239	5
ST004S	02-May-04	09:15 AM	201	5
ST004S	16-May-04	08:45 AM	229	5

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2004.

Date	BGS	BKS	CHC	GSF	GSN	HCH	HH	LAM	LMB	MQK	MSS	PL	PRS	RES	RFS	RSN	SASQ	SASU	SMB	STB	TFS	TP	UNID	WHC	WHS
09-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Jan-04	31																					1			
11-Jan-04	12																						5	1	
12-Jan-04	10	1						3																1	
13-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
15-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
16-Jan-04	3																								
17-Jan-04	3							3																	
18-Jan-04								1																	
19-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
21-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Jan-04	2							1																	
23-Jan-04																								1	
24-Jan-04																									
25-Jan-04								2																	
26-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Jan-04																								1	
29-Jan-04													1												
30-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Feb-04																									
07-Feb-04	2							2																	
08-Feb-04	2							5														1			

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2004.

Date	BGS	BKS	CHC	GSF	GSN	HCH	HH	LAM	LMB	MQK	MSS	PL	PRS	RES	RFS	RSN	SASQ	SASU	SMB	STB	TFS	TP	UNID	WHC	WHS
09-Feb-04																									
10-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Feb-04	7																								
14-Feb-04	6							2																	
15-Feb-04	1							2																	
16-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Feb-04	14	2																							
18-Feb-04	27																					1			
19-Feb-04	46	1						14		1												1		1	
20-Feb-04	36	1						530					1											1	
21-Feb-04	176							157																	
22-Feb-04	78							82	1				1												
23-Feb-04	57							59		1															
24-Feb-04	40							2		1														1	
25-Feb-04	12																							2	
26-Feb-04	35	1						18																1	
27-Feb-04	16							1000					1												
28-Feb-04	14							630					1		1										
29-Feb-04	34							312	1																
01-Mar-04	8							315					1			2			1						
02-Mar-04	9							103	1																
03-Mar-04	2							9																1	
04-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Mar-04	4					1		3																1	
08-Mar-04	2							5													1				
09-Mar-04	13	1						1																1	
10-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2004.

Date	BGS	BKS	CHC	GSF	GSN	HCH	HH	LAM	LMB	MQK	MSS	PL	PRS	RES	RFS	RSN	SASQ	SASU	SMB	STB	TFS	TP	UNID	WHC	WHS
11-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Mar-04	3																							4	
14-Mar-04	7							1																4	
15-Mar-04	8						1	250	2	1	1		1									2		26	
16-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-Mar-04	2							3																5	
19-Mar-04	49	1						7	1				1				1							5	
20-Mar-04	57							46													2			5	
21-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
23-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Mar-04	8																		1		1			3	
25-Mar-04	9																		1		4			6	
26-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
29-Mar-04	5									1											2			4	
30-Mar-04	6																				1			2	2
31-Mar-04	5							4		2											7			1	
01-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Apr-04	2									2											2			4	
05-Apr-04	2																				3			1	
06-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
08-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
09-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2004.

Date	BGS	BKS	CHC	GSF	GSN	HCH	HH	LAM	LMB	MQK	MSS	PL	PRS	RES	RFS	RSN	SASQ	SASU	SMB	STB	TFS	TP	UNID	WHC	WHS
11-Apr-04	1																				1			4	
12-Apr-04										1														5	
13-Apr-04	1																	1						2	
14-Apr-04	1																		1					3	
15-Apr-04				1																				2	
16-Apr-04	3									1															
17-Apr-04	2																				2			1	
18-Apr-04	2																							1	
19-Apr-04	2																							4	
20-Apr-04	2																							3	
21-Apr-04	1																							1	
22-Apr-04	1		1															1						3	
23-Apr-04								5																1	
24-Apr-04	7																							3	
25-Apr-04	10									1								2						3	
26-Apr-04	23									2							11							3	
27-Apr-04	24	1						1		1				1			48				2			3	
28-Apr-04	20	1						1		2							44	1						1	
29-Apr-04	18	1					1	1		1							65				1				
30-Apr-04	2	1					1										49							6	
01-May-04																	5								
02-May-04	8							1		2							33	1			2			2	
03-May-04	8						3			2							7								
04-May-04	30							2		2							14							5	
05-May-04	18									1							2				2			1	
06-May-04	32																							1	
07-May-04	25								1								1			1					
08-May-04	34		1																1		1			1	
09-May-04	15																1							3	
10-May-04	1						1	1																1	
11-May-04	7							1									1								

Number and Date of Capture for Non-salmonids Captured in the Caswell Traps during 2004.

Date	BGS	BKS	CHC	GSF	GSN	HCH	HH	LAM	LMB	MQK	MSS	PL	PRS	RES	RFS	RSN	SASQ	SASU	SMB	STB	TFS	TP	UNID	WHC	WHS
12-May-04	2																					1			
13-May-04	2																								
14-May-04	2																								
15-May-04	2																					1			
16-May-04	11									1												1		1	
17-May-04																									
18-May-04	9			1						2							9				1			5	
19-May-04	6			1				1									7							1	
20-May-04	5																2							2	
21-May-04	8									1							2	1							
22-May-04	6																								
23-May-04	3																								
24-May-04	37				1												1							2	
25-May-04	16								3													1		2	
26-May-04	10	1						1				1												1	
27-May-04	20	1															1							3	
28-May-04	3	1						1																	
29-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
30-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jun-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Jun-04		1																						1	
03-Jun-04	1																		1					2	
04-Jun-04									4													2		4	
Totals	1306	16	2	3	1	1	7	3588	14	29	1	1	8	1	1	2	304	7	6	1	35	12	5	170	2

ns=no sample

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	BGS		BKS		CHC		GSF		GSN		HCH		HH	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Jan-04														
10-Jan-04	30	38.2												
11-Jan-04	12	42.17												
12-Jan-04	10	35.2	1	65										
13-Jan-04														
14-Jan-04														
15-Jan-04														
16-Jan-04	3	41.33												
17-Jan-04	3	40.67												
18-Jan-04														
19-Jan-04														
20-Jan-04														
21-Jan-04														
22-Jan-04	2	29.5												
23-Jan-04														
24-Jan-04														
25-Jan-04														
26-Jan-04														
27-Jan-04														
28-Jan-04														
29-Jan-04														
30-Jan-04														
31-Jan-04														
01-Feb-04														
02-Feb-04														
03-Feb-04														
04-Feb-04														
05-Feb-04														
06-Feb-04														
07-Feb-04	2	57.5												

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	BGS		BKS		CHC		GSF		GSN		HCH		HH	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Feb-04	2	26.5												
09-Feb-04														
10-Feb-04														
11-Feb-04														
12-Feb-04														
13-Feb-04	7	35.86												
14-Feb-04	6	36.33												
15-Feb-04	1	34												
16-Feb-04														
17-Feb-04	14	32.36	2	59										
18-Feb-04	24	36.83												
19-Feb-04	32	36.91	1	67										
20-Feb-04	36	40.31	1	60										
21-Feb-04	40	38.08												
22-Feb-04	40	40.85												
23-Feb-04	39	37.85												
24-Feb-04	23	38.65												
25-Feb-04	11	38.36												
26-Feb-04	35	39.89	1	255										
27-Feb-04	16	43.12												
28-Feb-04	14	46.93												
29-Feb-04	26	42.88												
01-Mar-04	8	39.75												
02-Mar-04	9	37.56												
03-Mar-04	2	43.5												
04-Mar-04														
05-Mar-04														
06-Mar-04														
07-Mar-04	4	38.25									1	88		
08-Mar-04	2	40.5												

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	BGS		BKS		CHC		GSF		GSN		HCH		HH	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Mar-04	13	37.62	1	295										
10-Mar-04														
11-Mar-04														
12-Mar-04														
13-Mar-04	3	34.67												
14-Mar-04	7	29.29												
15-Mar-04	8	32											1	270
16-Mar-04														
17-Mar-04														
18-Mar-04	2	47												
19-Mar-04	38	39.05	1	67										
20-Mar-04	55	42.73												
21-Mar-04														
22-Mar-04														
23-Mar-04														
24-Mar-04	8	39.5												
25-Mar-04	9	39.44												
26-Mar-04														
27-Mar-04														
28-Mar-04														
29-Mar-04	5	43.8												
30-Mar-04	6	40.33												
31-Mar-04	5	34.8												
01-Apr-04														
02-Apr-04														
03-Apr-04														
04-Apr-04	2	49												
05-Apr-04	2	43												
06-Apr-04														
07-Apr-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	BGS		BKS		CHC		GSF		GSN		HCH		HH	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Apr-04														
09-Apr-04														
10-Apr-04														
11-Apr-04	1	41												
12-Apr-04														
13-Apr-04	1	34												
14-Apr-04	1	35												
15-Apr-04							1	130						
16-Apr-04	3	39.33												
17-Apr-04	2	33												
18-Apr-04	2	35												
19-Apr-04	2	44.5												
20-Apr-04	2	43												
21-Apr-04	1	40												
22-Apr-04	1	40			1	400								
23-Apr-04														
24-Apr-04	7	39.43												
25-Apr-04	10	65.4												
26-Apr-04	23	45.39												
27-Apr-04	24	44.58	1	76										
28-Apr-04	20	52.85	1	284										
29-Apr-04	18	43.89	1	85									1	57
30-Apr-04	2	50	1	85									1	34
01-May-04														
02-May-04	8	41.62												
03-May-04	8	59.5											3	47
04-May-04	26	47.92												
05-May-04	18	49.06												
06-May-04	29	46.52												
07-May-04	23	44.83												

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	BGS		BKS		CHC		GSF		GSN		HCH		HH	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-May-04	34	47.56			1	325								
09-May-04	15	43.67												
10-May-04	1	45											1	32
11-May-04	7	40.14												
12-May-04	2	39.5												
13-May-04	2	44												
14-May-04	2	44.5												
15-May-04	2	55												
16-May-04	11	44.09												
17-May-04														
18-May-04	9	47.11					1	102						
19-May-04	6	41.17					1	148						
20-May-04	5	44												
21-May-04	8	52												
22-May-04	6	43.83												
23-May-04	3	56.33												
24-May-04	27	54.89							1	108				
25-May-04	16	49.88												
26-May-04	10	53.5	1	94										
27-May-04	20	47.75	1	98										
28-May-04	3	43	1	105										
29-May-04														
30-May-04														
31-May-04														
01-Jun-04														
02-Jun-04			1	78										
03-Jun-04	1	52												
04-Jun-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	LAM		LMB		MQK		MSS		PL		PRS		RBT	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Jan-04														
10-Jan-04														
11-Jan-04														
12-Jan-04														
13-Jan-04														
14-Jan-04														
15-Jan-04														
16-Jan-04														
17-Jan-04														
18-Jan-04														
19-Jan-04														
20-Jan-04														
21-Jan-04														
22-Jan-04														
23-Jan-04														
24-Jan-04														
25-Jan-04														
26-Jan-04														
27-Jan-04														
28-Jan-04														
29-Jan-04											1	77		
30-Jan-04														
31-Jan-04														
01-Feb-04														
02-Feb-04														
03-Feb-04														
04-Feb-04														
05-Feb-04														
06-Feb-04														
07-Feb-04													1	228

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	LAM		LMB		MQK		MSS		PL		PRS		RBT	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Feb-04														
09-Feb-04														
10-Feb-04														
11-Feb-04														
12-Feb-04														
13-Feb-04														
14-Feb-04														
15-Feb-04														
16-Feb-04														
17-Feb-04														
18-Feb-04														
19-Feb-04					1	36							1	245
20-Feb-04											1	73	3	232.67
21-Feb-04														
22-Feb-04			1	43							1	85		
23-Feb-04					1	38							1	252
24-Feb-04					1	33								
25-Feb-04														
26-Feb-04													1	268
27-Feb-04											1	84	1	245
28-Feb-04											1	85		
29-Feb-04			1	78									2	269
01-Mar-04											1	78	1	242
02-Mar-04			1	70									1	220
03-Mar-04														
04-Mar-04														
05-Mar-04														
06-Mar-04														
07-Mar-04													1	229
08-Mar-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	LAM		LMB		MQK		MSS		PL		PRS		RBT	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Mar-04														
10-Mar-04														
11-Mar-04														
12-Mar-04														
13-Mar-04														
14-Mar-04														
15-Mar-04			2	65.5	1	35	1	85			1	104	1	212
16-Mar-04														
17-Mar-04														
18-Mar-04													1	245
19-Mar-04			1	91							1	78		
20-Mar-04													1	291
21-Mar-04														
22-Mar-04														
23-Mar-04														
24-Mar-04														
25-Mar-04													1	239
26-Mar-04														
27-Mar-04														
28-Mar-04														
29-Mar-04					1	30								
30-Mar-04														
31-Mar-04					2	29.5								
01-Apr-04														
02-Apr-04														
03-Apr-04														
04-Apr-04					2	36.5								
05-Apr-04														
06-Apr-04														
07-Apr-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	LAM		LMB		MQK		MSS		PL		PRS		RBT	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Apr-04														
09-Apr-04														
10-Apr-04														
11-Apr-04														
12-Apr-04					1	30								
13-Apr-04														
14-Apr-04														
15-Apr-04														
16-Apr-04					1	36								
17-Apr-04														
18-Apr-04														
19-Apr-04														
20-Apr-04														
21-Apr-04														
22-Apr-04														
23-Apr-04														
24-Apr-04														
25-Apr-04					1	26								
26-Apr-04					2	38								
27-Apr-04					1	45								
28-Apr-04					2	43.5								
29-Apr-04					1	25								
30-Apr-04														
01-May-04														
02-May-04	1	22			2	36.5							1	201
03-May-04					2	40								
04-May-04					2	33								
05-May-04					1	26								
06-May-04														
07-May-04			1	155										

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	LAM		LMB		MQK		MSS		PL		PRS		RBT	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-May-04														
09-May-04														
10-May-04														
11-May-04														
12-May-04														
13-May-04														
14-May-04														
15-May-04														
16-May-04					1	32							1	229
17-May-04														
18-May-04					2	36.5								
19-May-04														
20-May-04														
21-May-04					1	28								
22-May-04														
23-May-04														
24-May-04														
25-May-04			3	19.67										
26-May-04									1	500				
27-May-04														
28-May-04														
29-May-04														
30-May-04														
31-May-04														
01-Jun-04														
02-Jun-04														
03-Jun-04														
04-Jun-04			4	14.25										

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	RES		RFS		RSN		SASQ		SASU		SMB		STB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Jan-04														
10-Jan-04														
11-Jan-04														
12-Jan-04														
13-Jan-04														
14-Jan-04														
15-Jan-04														
16-Jan-04														
17-Jan-04														
18-Jan-04														
19-Jan-04														
20-Jan-04														
21-Jan-04														
22-Jan-04														
23-Jan-04														
24-Jan-04														
25-Jan-04														
26-Jan-04														
27-Jan-04														
28-Jan-04														
29-Jan-04														
30-Jan-04														
31-Jan-04														
01-Feb-04														
02-Feb-04														
03-Feb-04														
04-Feb-04														
05-Feb-04														
06-Feb-04														
07-Feb-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	RES		RFS		RSN		SASQ		SASU		SMB		STB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Feb-04														
09-Feb-04														
10-Feb-04														
11-Feb-04														
12-Feb-04														
13-Feb-04														
14-Feb-04														
15-Feb-04														
16-Feb-04														
17-Feb-04														
18-Feb-04														
19-Feb-04														
20-Feb-04														
21-Feb-04														
22-Feb-04														
23-Feb-04														
24-Feb-04														
25-Feb-04														
26-Feb-04														
27-Feb-04														
28-Feb-04			1	133										
29-Feb-04														
01-Mar-04					2	69.5					1	52		
02-Mar-04														
03-Mar-04														
04-Mar-04														
05-Mar-04														
06-Mar-04														
07-Mar-04														
08-Mar-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	RES		RFS		RSN		SASQ		SASU		SMB		STB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Mar-04														
10-Mar-04														
11-Mar-04														
12-Mar-04														
13-Mar-04														
14-Mar-04														
15-Mar-04														
16-Mar-04														
17-Mar-04														
18-Mar-04														
19-Mar-04							1	46						
20-Mar-04														
21-Mar-04														
22-Mar-04														
23-Mar-04														
24-Mar-04											1	188		
25-Mar-04											1	310		
26-Mar-04														
27-Mar-04														
28-Mar-04														
29-Mar-04														
30-Mar-04														
31-Mar-04														
01-Apr-04														
02-Apr-04														
03-Apr-04														
04-Apr-04														
05-Apr-04														
06-Apr-04														
07-Apr-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	RES		RFS		RSN		SASQ		SASU		SMB		STB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Apr-04														
09-Apr-04														
10-Apr-04														
11-Apr-04														
12-Apr-04														
13-Apr-04									1	27				
14-Apr-04											1	145		
15-Apr-04														
16-Apr-04														
17-Apr-04														
18-Apr-04														
19-Apr-04														
20-Apr-04														
21-Apr-04														
22-Apr-04									1	245				
23-Apr-04														
24-Apr-04														
25-Apr-04									2	30				
26-Apr-04							11	47.27						
27-Apr-04	1	157					31	49.87						
28-Apr-04							38	56.34	1	32				
29-Apr-04							37	52.35						
30-Apr-04							31	53.61						
01-May-04							5	49.2						
02-May-04							26	53.31	1	32				
03-May-04							7	48.86						
04-May-04							14	50.07						
05-May-04							2	38						
06-May-04														
07-May-04							1	45					1	237

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	RES		RFS		RSN		SASQ		SASU		SMB		STB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-May-04											1	98		
09-May-04							1	40						
10-May-04														
11-May-04							1	63						
12-May-04														
13-May-04														
14-May-04														
15-May-04														
16-May-04														
17-May-04														
18-May-04							9	57.44						
19-May-04							7	52.86						
20-May-04							2	53.5						
21-May-04							2	49	1	40				
22-May-04														
23-May-04														
24-May-04							1	50						
25-May-04														
26-May-04														
27-May-04							1	68						
28-May-04														
29-May-04														
30-May-04														
31-May-04														
01-Jun-04														
02-Jun-04														
03-Jun-04											1	299		
04-Jun-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	TFS		TP		UNID		WHC		WHS	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Jan-04										
10-Jan-04			1	73						
11-Jan-04					5	26.6	1	38		
12-Jan-04							1	47		
13-Jan-04										
14-Jan-04										
15-Jan-04										
16-Jan-04										
17-Jan-04										
18-Jan-04										
19-Jan-04										
20-Jan-04										
21-Jan-04										
22-Jan-04										
23-Jan-04							1	46		
24-Jan-04										
25-Jan-04										
26-Jan-04										
27-Jan-04										
28-Jan-04							1	40		
29-Jan-04										
30-Jan-04										
31-Jan-04										
01-Feb-04										
02-Feb-04										
03-Feb-04										
04-Feb-04										
05-Feb-04										
06-Feb-04										
07-Feb-04										

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	TFS		TP		UNID		WHC		WHS	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Feb-04			1	123						
09-Feb-04										
10-Feb-04										
11-Feb-04										
12-Feb-04										
13-Feb-04										
14-Feb-04										
15-Feb-04										
16-Feb-04										
17-Feb-04										
18-Feb-04			1	85						
19-Feb-04			1	74			1	55		
20-Feb-04							1	45		
21-Feb-04										
22-Feb-04										
23-Feb-04										
24-Feb-04							1	44		
25-Feb-04							2	39.5		
26-Feb-04							1	39		
27-Feb-04										
28-Feb-04										
29-Feb-04										
01-Mar-04										
02-Mar-04										
03-Mar-04							1	43		
04-Mar-04										
05-Mar-04										
06-Mar-04										
07-Mar-04							1	44		
08-Mar-04	1	72								

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	TFS		TP		UNID		WHC		WHS	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
09-Mar-04							1	41		
10-Mar-04										
11-Mar-04										
12-Mar-04										
13-Mar-04							4	86.25		
14-Mar-04							4	42		
15-Mar-04			2	110			26	45.96		
16-Mar-04										
17-Mar-04										
18-Mar-04							5	40.4		
19-Mar-04							5	40		
20-Mar-04	2	124					5	42		
21-Mar-04										
22-Mar-04										
23-Mar-04										
24-Mar-04	1	120					3	40.33		
25-Mar-04	4	120.75					6	42.83		
26-Mar-04										
27-Mar-04										
28-Mar-04										
29-Mar-04	2	136.5					4	48		
30-Mar-04	1	112					2	54.5	2	51
31-Mar-04	7	133.14					1	53		
01-Apr-04										
02-Apr-04										
03-Apr-04										
04-Apr-04	2	130.5					4	45.25		
05-Apr-04	3	135					1	107		
06-Apr-04										
07-Apr-04										

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	TFS		TP		UNID		WHC		WHS	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-Apr-04										
09-Apr-04										
10-Apr-04										
11-Apr-04	1	120					4	48.5		
12-Apr-04							5	60		
13-Apr-04							2	113.5		
14-Apr-04							3	49.33		
15-Apr-04							2	43.5		
16-Apr-04										
17-Apr-04	2	147.5					1	48		
18-Apr-04							1	52		
19-Apr-04							4	41.5		
20-Apr-04							3	72.33		
21-Apr-04							1	45		
22-Apr-04							3	46.67		
23-Apr-04							1	37		
24-Apr-04							3	63.67		
25-Apr-04							3	56		
26-Apr-04							3	54.33		
27-Apr-04	2	128					3	44		
28-Apr-04							1	46		
29-Apr-04	1	105								
30-Apr-04							6	61		
01-May-04										
02-May-04	2	122.5					2	62.5		
03-May-04										
04-May-04							5	48.6		
05-May-04	2	129					1	47		
06-May-04							1	48		
07-May-04										

Number Measured and Mean Lengths for Non-salmonids Captured in the Caswell Traps during 2004.

	TFS		TP		UNID		WHC		WHS	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
08-May-04	1	115					1	235		
09-May-04							3	69		
10-May-04							1	52		
11-May-04										
12-May-04			1	30						
13-May-04										
14-May-04										
15-May-04			1	38						
16-May-04			1	127			1	40		
17-May-04										
18-May-04	1	115					5	42.2		
19-May-04							1	40		
20-May-04							2	55		
21-May-04										
22-May-04										
23-May-04										
24-May-04							2	77.5		
25-May-04			1	50			2	47.5		
26-May-04							1	49		
27-May-04							3	50		
28-May-04										
29-May-04										
30-May-04										
31-May-04										
01-Jun-04										
02-Jun-04							1	52		
03-Jun-04							2	49.5		
04-Jun-04			2	55			4	45.5		

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
09-Jan-04	02:00 PM	–	–	–	–	–	–	–	CLD	–	4	0
10-Jan-04	10:45 AM	2214	31.6	32	2	6.73	0.38	51	CLD	Light	1	–
11-Jan-04	10:15 AM	–	30.4	29.8	2	5.29	0.36	51	FOG	Light	1	–
12-Jan-04	10:00 AM	2285	32	32.3	2.1	5.01	0.32	52	FOG	Medium	1	3
13-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
15-Jan-04	12:45 PM	–	–	–	–	–	0.3	–	FOG	–	4	0
16-Jan-04	11:00 AM	2565	30.7	32.3	1.9	2.35	0.31	49	CLD	Light	1	–
17-Jan-04	09:30 AM	2636	31	32	2.1	2.67	0.32	50	CLD	Light	1	–
18-Jan-04	10:30 AM	2649	34.3	43	2	2.74	0.3	50	CLD	Light	1	3
19-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
21-Jan-04	01:15 PM	–	–	–	–	–	0.31	–	CLR	–	4	0
22-Jan-04	02:30 PM	2853	33	33.3	2	2.49	0.3	49	CLR	Light	1	–
23-Jan-04	10:15 AM	2230	33	31.7	1.8	2.41	0.32	48	FOG	Light	1	–
24-Jan-04	11:15 AM	2700	32.3	12	2	2.51	0.35	48	CLD	Light	1	–
25-Jan-04	12:00 PM	2600	36	33.7	2.1	2.11	0.3	50	CLR	Light	1	3
26-Jan-04	–	–	–	–	–	–	–	–	–	–	–	–
27-Jan-04	11:45 AM	–	–	–	–	–	–	–	CLD	–	4	0
28-Jan-04	11:00 AM	2467	34.3	31.3	2.1	2.32	0.32	51	CLD	Light	1	–
29-Jan-04	12:00 PM	2515	35.3	–	2	2.01	0.28	51	CLR	Light	1	3
30-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Feb-04	03:00 PM	–	–	–	–	–	0.47	–	–	–	4	0
06-Feb-04	09:15 AM	2003	34.3	31.3	2	6.48	0.44	48	CLR	Light	1	–
07-Feb-04	11:00 AM	2687	37.7	30.7	1.64	4.53	0.32	50	CLR	Light	1	–

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
08-Feb-04	10:15 AM	2425	40	33.3	1.9	9.18	0.3	50	CLR	Light	1	–
09-Feb-04	01:15 PM	3020	32		2.1	4.92	0.5	51	CLR	Medium	1	3
10-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Feb-04	11:45 AM	–	–	–	–	–	0.8	–	CLR	–	4	0
13-Feb-04	10:00 AM	2735	33	26	2	2.74	1.05	49	CLD	Heavy	2	–
14-Feb-04	10:30 AM	3037		23.7	2.1		1.18	49	CLR	Heavy	3	–
15-Feb-04	09:30 AM	3404	23.3	23.3	2.4	4.04	1.22	51	CLR	Medium	1	3
16-Feb-04	12:15 PM	–	–	–	–	–	1.4	–	RAN	–	4	0
17-Feb-04	11:45 AM	3783	22.3	21.3	2.6	2.8	1.35	52	CLD	Heavy	1	–
18-Feb-04	12:45 PM	4053	23	21.3	2.5	3.2	1.45	58	CLR	Medium	1	–
19-Feb-04	12:45 PM	3915	22.7	21	2.8	7.99	1.94	56	CLD	Heavy	2	–
20-Feb-04	12:00 PM	1999	28	20.3	2.5	33.2	1.81	50	CLD	Heavy	3	–
21-Feb-04	10:00 AM	3864	20.3	20.3	2.8	8.29	1.51	53	RAN	Medium	2	–
22-Feb-04	10:00 AM	4095	21	20	2.6	6.61	1.5	53	RAN	Medium	2	–
22-Feb-04	06:00 PM	1452	–	–	–	–	1.48	–	CLD	Light	1	–
22-Feb-04	08:01 PM	1832	–	–	–	–	1.46	–	NIT	Light	1	–
22-Feb-04	08:38 PM	1942	–	–	–	–	1.46	–	NIT	Light	1	–
23-Feb-04	12:45 PM	4730	22	20.3	2.5	7	1.41	56	CLR	Medium	1	–
24-Feb-04	11:45 AM	3960	22	20.7	2.5	4.72	1.38	55	CLR	Medium	1	–
25-Feb-04	11:30 AM	3460	–	23.3	2.4	4.3	1.15	54	RAN	Heavy	3	–
25-Feb-04	08:00 PM	1363	–	–	–	–	1.38	–	NIT	Medium	2	–
25-Feb-04	09:45 PM	1700	–	–	–	–	1.35	–	NIT	Light	1	–
25-Feb-04	10:30 PM	1818	–	–	–	–	1.33	–	RAN	Light	1	–
26-Feb-04	12:00 PM	3958	22	21.3	2.5	6.32	1.25	53	CLD	Medium	1	–
26-Feb-04	06:30 PM	1088	–	–	–	–	1.56	–	NIT	Light	1	–
27-Feb-04	11:30 AM	3723	23	22.6	2.7	55.2	2.5	52	CLD	VeryHeavy	4	–
28-Feb-04	10:00 AM	3065	23.7	24.3	2.5	34.2	1.75	52	CLR	Medium	2	–
29-Feb-04	10:00 AM	3496	25.3	24	2.34	16.9	1.1	53	CLR	Light	1	–
01-Mar-04	11:00 AM	3724	25.7	25.7	2.1	18.8	0.82	55	RAN	Medium	1	–

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
01-Mar-04	06:15 PM	995	–	–	–	–	0.9	–	CLD	Light	2	–
01-Mar-04	08:15 PM	1335	–	–	–	–	0.9	–	NIT	Light	1	–
01-Mar-04	09:00 PM	1441	–	–	–	–	0.9	–	NIT	Light	1	–
02-Mar-04	01:15 PM	3643	27.7	29	1.7	12.8	0.79	56	CLR	Light	1	–
03-Mar-04	11:45 AM	3070	25	25	2.3	15.6	0.92	51	CLR	Light	1	3
04-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Mar-04	10:30 AM	–	–	–	–	–	0.6		CLR	–	4	0
07-Mar-04	10:30 AM	2850	28	30.7	2.1	7.91	0.46	57	CLR	Light	1	–
08-Mar-04	01:00 PM	6095	31	31.3	2.1	7.08	0.35	61	CLR	Light	1	–
08-Mar-04	06:45 PM	621	–	–	–	–	0.4	–	NIT	Light	1	–
08-Mar-04	08:25 PM	875	–	–	–	–	0.4	–	NIT	Light	1	–
08-Mar-04	09:25 PM	951	–	–	–	–	0.4	–	NIT	Light	1	–
09-Mar-04	12:00 PM	2619	32	31.3	2.1	5.99	0.36	63	CLR	Light	1	3
10-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Mar-04	10:45 AM	–	–	–	–	–	–	–	CLR	–	4	0
13-Mar-04	08:45 AM	2400	33.3	30.3	1.94		0.3	58	CLR	Light	1	
14-Mar-04	09:40 AM	2698	31.3	31.7	1.9	5.6	0.35	62	CLR	Light	1	
15-Mar-04	12:15 PM	3333	32.3	32	2.1	7.41	0.42	64	CLR	Medium	1	3
16-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Mar-04	01:00 PM	–	–	–	–	–	0.59	–	CLR	–	4	0
18-Mar-04	09:45 AM	2727	27.3	27	2.4	13.8	0.88	64	CLR	Medium	1	–
19-Mar-04	10:00 AM	3210	28	26.7	2.4	14.8	0.99	63	CLR	Medium	1	–
19-Mar-04	06:15 PM	1167	–	–	–	–	1.02	–	NIT	Light	1	–
19-Mar-04	08:20 PM	1449	–	–	–	–	1.02	–	NIT	Light	1	–
19-Mar-04	09:20 PM	1584	–	–	–	–	1.02	–	NIT	Light	1	–
20-Mar-04	09:30 AM	3209	29.7		2.3	14	1	64	CLR	Light	1	3
21-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
23-Mar-04	11:00 AM	–	–	–	–	–	0.7	–	CLR	–	4	0
24-Mar-04	10:45 AM	–	31.7	28	2.2	3.56	0.75	64	CLR	Heavy	1	–
25-Mar-04	10:30 AM	2988	28		2.3	6.31	0.72	62	CLD	Medium	1	3
26-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Mar-04	09:15 AM	–	–	–	–	–	–	–	CLR	–	4	0
29-Mar-04	10:45 AM	3165	28.3	26.6	2.4	5.68	1.32	62	CLR	Medium	3	–
30-Mar-04	10:30 AM	3319	28.7	25	2.25	6.21	1.31	62	CLR	Medium	1	–
30-Mar-04	06:15 PM	1094	–	–	–	–	1.46	62	NIT	Light	1	–
30-Mar-04	08:15 PM	1371	–	–	–	–	1.46	62	NIT	Light	1	–
30-Mar-04	09:15 PM	1476	–	–	–	–	1.46	62	NIT	Light	1	–
31-Mar-04	10:30 AM	3304	27.7	–	2.5	6.21	1.5	59	CLR	Medium	1	3
01-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Apr-04	11:00 AM	–	–	–	–	–	1.39	–	CLR	–	4	0
04-Apr-04	11:45 AM	2859	34.7	31.7	2.5	3.88	1.22	60	CLR	Medium	1	–
05-Apr-04	12:45 PM	3304	29.3		2.1	3.59	1.2	62	CLR	Light	1	3
06-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
08-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
09-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Apr-04	10:36 AM	–	–	–	–	–	0.94	–	CLR	–	4	0
11-Apr-04	11:00 AM	3004	31	33	2.3	4.04	0.81	64	CLR	Medium	1	–
12-Apr-04	10:15 AM	–	36.7	31.7	2.3	4.27	0.93	64	CLR	Medium	1	–
13-Apr-04	09:00 AM	3061	25.7	25.7	2.3	3.82	1.02	62	CLR	Heavy	1	–
14-Apr-04	10:45 AM	3329	28.6	26	2.4	3.16	1	62	CLR	Heavy	1	–
15-Apr-04	11:45 AM	3617	25.3	23.7	2.6	3.16	1.61	62	CLR	Heavy	1	–
16-Apr-04	10:15 AM	3434	23.3	23	2	5.74	1.6	60	CLD	Heavy	1	–
17-Apr-04	11:00 AM	3815	23.3	24	2.44	2.3	1.72	62	CLR	Light	2	–
18-Apr-04	09:15 AM	3384	25.3	23.3	2.6	4.49	1.89	58	CLR	Heavy	2	–

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
19-Apr-04	09:45 AM	3589	25.7	22.7	2.6	4	2.05	58	CLD	Heavy	1	–
20-Apr-04	09:30 AM	3484	23.7	24	2.7	4.19	1.98	59	CLD	Heavy	1	–
21-Apr-04	10:45 AM	3511	24	23.3	2.5	3.18	1.82	60	CLR	Heavy	3	–
22-Apr-04	11:15 AM	3466	26.3	25.3	2.8		2.02	60	CLR	Heavy	2	–
23-Apr-04	10:45 AM	2438	27	32.3	2.4	3.62	2.49	60	CLR	Heavy	1	–
24-Apr-04	11:15 AM	1391	–	29.3	2.14	4.36	3.11	60	CLR	Medium	3	–
25-Apr-04	10:30 AM	911	–	25.3	2.5	2.33	3.75	62	CLR	Medium	3	–
25-Apr-04	07:15 PM	1054	–	–	–	–	3.78	–	NIT	Medium	2	–
26-Apr-04	09:30 AM	3061	–	25	2.7	2.91	3.92	58	CLR	Medium	3	–
26-Apr-04	07:45 PM	1460	–	–	–	–	3.86	–	NIT	Light	1	–
27-Apr-04	09:30 AM	3507	24	23.3	2.6	2.15	3.93	59	CLR	Heavy	1	–
27-Apr-04	06:15 PM	1100	–	–	–	–	3.92	–	CLR	Light	3	–
27-Apr-04	11:15 PM	745	–	–	–	–	3.92	–	NIT	Medium	1	–
28-Apr-04	10:30 AM	2154	22.3	20.3	2.8	1.8	4.1	59	CLR	Medium	1	–
28-Apr-04	08:15 PM	1583	–	–	–	–	3.98	–	NIT	Medium	2	–
29-Apr-04	10:30 AM	3817	24.3	22.3	2.3	3.44	4.11	58	CLR	Light	1	–
30-Apr-04	10:00 AM	3687	23.7	21.7	2.1	3.24	4.22	59	CLR	Medium	1	–
01-May-04	09:45 AM	1910	–	–	–	3.4	4.2	62	CLR	Light	3	3
01-May-04	05:45 PM	–	–	–	–	–	4.15	–	CLR	–	4	0
02-May-04	09:45 AM	2800	22	20.3	2.1	3.7	4.05	61	CLR	Light	1	–
03-May-04	09:45 AM	4380	21	20	2.3	2.3	3.94	63	CLR	Light	2	–
04-May-04	09:00 AM	3910	18.3	18.3	3.1	3.04	3.44	60	CLR	Heavy	2	–
05-May-04	10:30 AM	4710	18	18.3	3.4	2.37	2.81	60	CLR	Heavy	1	–
06-May-04	10:45 AM	3777	19.3	18.7	3.3	3.29	2.45	62	CLR	Heavy	3	–
07-May-04	10:15 AM	4392	19.7	19.3	3.2	3.27	2.18	60	CLR	Heavy	1	–
07-May-04	08:50 PM	1830	–	–	–	–	2.18	62	NIT	Medium	3	–
07-May-04	10:30 PM	2150	–	–	–	–	2.18	–	NIT	Light	1	–
07-May-04	11:30 PM	2280	–	–	–	–	2.18	–	NIT	Light	1	–
08-May-04	09:15 AM	3822	27.3	24.7	1.9	2.27	2.32	64	CLR	Medium	1	–
09-May-04	09:30 AM	3681	–	29	2.64	2.66	2.26	64	CLR	Heavy	3	–

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
10-May-04	12:45 PM	2236	–	22.7	3	3.31	2.45	62	CLR	Medium	3	–
11-May-04	09:45 AM	2215	24.3	31	2.6	3.22	2.32	59	CLR	Medium	1	–
12-May-04	10:30 AM	285	–	33	3	1.94	2.18	58	CLR	Light	3	–
13-May-04	09:45 AM	1765	–	19.3	2.8	2.67	2.51	62	CLR	Medium	3	–
14-May-04	09:45 AM	60	–	23	3	4.09	3.19	58	CLR	Medium	3	–
15-May-04	09:45 AM	220	21.3	20.7	2.6	2.91	3.72	59	CLR	Heavy	3	–
15-May-04	09:15 PM	–	–	–	–	–	3.84	–	NIT	Light	1	–
16-May-04	09:00 AM	–	22.7	23	2.25	4.43	4.3	58	CLR	Light	1	–
17-May-04	11:00 AM	336	–	22	1.8	2.63	4.75	59	CLR	Light	3	–
17-May-04	08:00 PM	111	–	–	–	–	4.7	–	NIT	Medium	1	–
18-May-04	09:45 AM	2275	22.3	20	2.2	2.31	4.74	57	CLR	Light	1	–
18-May-04	07:00 PM	1695	–	–	–	–	4.7	–	CLR	Light	1	–
19-May-04	09:45 AM	4254	21.7	20.7	2.1	3.06	4.72	58	CLR	Light	1	–
19-May-04	07:30 PM	1672	–	–	–	–	4.68	–	CLR	Light	1	–
20-May-04	10:00 AM	4182	20.7	20.7	1.9	3.81	4.46	58	CLR	Light	1	–
21-May-04	10:00 AM	4429	18.3	17.7	2.9	4.74	3.75	58	CLR	Medium	1	–
22-May-04	09:30 AM	3779	–	18	2.5	2.19	3.1	58	CLR	Medium	3	–
23-May-04	09:45 AM	1495	–	18.3	2.85	1.25	2.33	59	CLR	Medium	3	–
23-May-04	08:15 PM	613	–	–	–	–	2.1	–	NIT	Light	3	–
24-May-04	10:15 AM	2400	–	16.7	3.4	2.24	2.27	62	CLR	Heavy	3	–
24-May-04	07:45 PM	415	–	–	–	–	2.1	–	NIT	Medium	3	–
25-May-04	10:00 AM	2751	19.3	18	3	2.78	1.9	62	CLR	Heavy	1	–
25-May-04	07:45 PM	1874	–	–	–	–	1.78	–	CLR	Light	1	–
26-May-04	10:00 AM	4408	27.7	19	2.9	3.36	1.68	64	CLR	Medium	1	–
27-May-04	10:45 AM	3930	21.3	19.7	2.7	2.91	1.51	64	CLR	Heavy	2	–
28-May-04	09:45 AM	1988		22	2.7	2.7	1.68	65	CLD	Medium	3	3
29-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
30-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jun-04	11:15 AM	–	–	–	–	–	1.52	–	CLR	–	4	0

Caswell 2004 Environmental Data - North Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
02-Jun-04	10:15 AM	371	–	33.3	2.7	2.25	1.46	68	CLR	Light	3	–
03-Jun-04	10:00 AM	1400	–	34.3	2.5	2.8	1.19	66	CLR	Heavy	3	–
03-Jun-04	08:00 PM	1173	–	–	–	–	1.32	–	CLR	Medium	1	–
04-Jun-04	10:30 AM	2711	29	–	2.3	4.99	1.29	68	CLR	Medium	1	3

Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
09-Jan-04	02:00 PM	–	–	–	–	–	–	–	CLD	–	4	0
10-Jan-04	10:30 AM	1686	50	51.3	1.7	6.73	0.38	51	CLD	Light	1	–
11-Jan-04	10:00 AM	1926	46.4	51.3	1.6	5.29	0.36	51	FOG	Light	1	–
12-Jan-04	09:45 AM	1820	51	52.6	1.5	5.01	0.32	52	FOG	Light	1	3
13-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
15-Jan-04	12:45 PM	–	–	–	–	–	0.3	–	FOG		4	0
16-Jan-04	10:45 AM	1812	47	51.3	1.6	2.35	0.31	49	CLD	Light	1	–
17-Jan-04	09:45 AM	1658	52.3	54.3	1.7	2.67	0.32	50	CLD	Light	1	–
18-Jan-04	10:15 AM	1663	52	53	1.6	2.74	0.3	50	CLD	Light	1	3
19-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
21-Jan-04	01:15 PM	–	–	–	–	–	0.31	–	CLR	–	4	0
22-Jan-04	02:15 PM	2042	48	52	1.6	2.49	0.3	49	CLR	Light	1	–
23-Jan-04	10:15 AM	1374	58.3	56.3	1.4	2.41	0.32	48	FOG	Light	1	–
24-Jan-04	11:00 AM	1644	70.3	57.3	1.6	2.51	0.35	48	CLD	Light	1	–
25-Jan-04	12:00 PM	1590	58.3	59	1.5	2.11	0.3	50	CLR	Light	1	3
26-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Jan-04	11:45 AM	–	–	–	–	–	0.28	–	CLD	–	4	0
28-Jan-04	11:00 AM	1620	50.67	52.67	1.6	2.32	0.32	51	CLD	Light	1	–
29-Jan-04	12:00 PM	1667	55.3	–	1.7	2.01	0.28	51	CLR	Light	1	3
30-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Feb-04	03:00 PM	–	–	–	–	–	0.47	–	–	–	4	0
06-Feb-04	09:30 AM	1695	44.3	43	1.6	6.48	0.44	48	CLR	Light	1	–
07-Feb-04	10:45 AM	2040	46.7	52.3	1.5	4.53	0.32	50	CLR	Light	1	–

Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
08-Feb-04	09:50 AM	1632	52.3	55.6	1.6	9.18	0.3	50	CLR	Light	1	–
09-Feb-04	01:00 PM	2058	44.7		1.9	4.92	0.5	51	CLR	Light	1	3
10-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Feb-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Feb-04	11:45 AM	–	–	–	–	–	0.8	–	CLR	–	4	0
13-Feb-04	09:45 AM	3236	23.3	22.7	2.1	2.74	1.05	49	CLD	Light	1	–
14-Feb-04	10:15 AM	2790	29	27.3	2	–	1.18	49	CLR	Medium	1	–
15-Feb-04	09:15 AM	2527	32.7	32.3	1.8	4.04	1.22	51	CLR	Medium	1	3
16-Feb-04	12:15 PM	–	–	–	–	–	1.4	–	RAN	–	4	0
17-Feb-04	11:15 AM	2861	33	29.7	1.9	2.8	1.35	52	CLD	Medium	1	–
18-Feb-04	12:30 PM	2968	25.7	29	1.9	3.2	1.45	58	CLR	Medium	1	–
19-Feb-04	12:30 PM	3157	24.7	24.7	2.5	7.99	1.94	56	CLD	Medium	1	–
20-Feb-04	11:30 AM	3340	25	25.7	2.3	33.2	1.8	53	CLD	Medium	1	–
21-Feb-04	09:15 AM	2890	29	27.3	3.3	8.29	1.51	53	RAN	Medium	1	–
22-Feb-04	09:30 AM	3050	30.3	28	2	6.61	1.5	53	RAN	Medium	1	–
22-Feb-04	05:51 PM	1061	–	–	–	–	1.48	–	CLD	Light	1	–
22-Feb-04	07:41 PM	1308	–	–	–	–	1.46	–	NIT	Light	1	–
22-Feb-04	08:32 PM	1426	–	–	–	–	1.46	–	NIT	Light	1	–
23-Feb-04	12:30 PM	3459	28	27.7	2	7	1.41	56	CLR	Medium	1	–
24-Feb-04	11:30 AM	2891	29.7		1.9	4.72	1.38	55	CLR	Light	1	–
25-Feb-04	11:00 AM	2895	33	31.7	1.8	4.3	1.15	54	RAN	Heavy	1	–
25-Feb-04	07:45 PM	998	–	–	–	–	1.38	–	NIT	Medium	1	–
25-Feb-04	09:30 PM	1224	–	–	–	–	1.35	–	NIT	Light	1	–
25-Feb-04	10:30 PM	1348	–	–	–	–	1.33	–	RAN	Light	1	–
26-Feb-04	11:30 AM	2867	30.7	31.3	1.7	6.32	1.25	53	CLD	Light	1	–
26-Feb-04	06:15 PM	818	–	–	–	–	1.56	–	NIT	Light	1	–
27-Feb-04	11:00 AM	3240	23	21	2.1	55.2	2.5	52	CLD	Heavy	1	–
28-Feb-04	09:30 AM	3448	26.3	24.3	2	34.2	1.75	52	CLR	Medium	1	–
29-Feb-04	09:15 AM	3100	27.7	29.3	1.8	16.9	1.1	53	CLR	Light	1	–
01-Mar-04	10:45 AM	2991	33.7	33.3	1.8	18.8	0.08	55	RAN	Light	1	–

Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
01-Mar-04	06:00 PM	870	–	–	–	–	0.9	–	CLD	Light	1	–
01-Mar-04	07:45 PM	1101	–	–	–	–	0.9	–	NIT	Light	1	–
01-Mar-04	08:45 PM	1220	–	–	–	–	0.9	–	NIT	Light	1	–
02-Mar-04	01:00 PM	3175	29.3	30.3	2	12.7	0.79	56	CLR	Medium	1	–
03-Mar-04	11:15 AM	2744	29	29.3	2	15.6	0.92	54	CLR	Light	1	3
04-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Mar-04	10:30 AM	–	–	–	–	–	0.6	–	CLR	–	4	0
07-Mar-04	09:45 AM	2676	31.7	32.3	1.8	7.91	0.46	57	CLR	Medium	1	–
08-Mar-04	12:45 PM	2931	33.7	37	1.9	7.08	0.35	61	CLR	Medium	1	–
08-Mar-04	06:30 PM	599	–	–	–	–	0.4	–	NIT	Light	1	–
08-Mar-04	08:10 PM	801	–	–	–	–	0.4	–	NIT	Light	1	–
08-Mar-04	09:10 PM	882	–	–	–	–	0.4	–	NIT	Light	1	–
09-Mar-04	11:30 AM	2361	34.7	37.3	1.8	5.99	0.36	63	CLR	Medium	1	3
10-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Mar-04	10:45 AM	–	–	–	–	–	–	–	CLR	–	4	0
13-Mar-04	08:30 AM	2123	38.3	45	1.8	–	0.3	58	CLR	Medium	1	–
14-Mar-04	09:15 AM	2260	33.7	41	1.7	5.6	0.35	62	CLR	Medium	1	–
15-Mar-04	11:30 AM	4920	38	40	1.9	7.41	0.42	64	CLR	Medium	1	3
16-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Mar-04	01:00 PM	–	–	–	–	–	0.59	–	CLR	–	4	0
18-Mar-04	09:15 AM	2209	36	34.3	2.1	13.8	0.88	64	CLR	Medium	1	–
19-Mar-04	09:15 AM	2557	32	31.3	2	14.8	0.99	63	CLR	Medium	1	–
19-Mar-04	06:30 PM	1044	–	–	–	–	1.02	–	NIT	Medium	1	–
19-Mar-04	08:10 PM	1275	–	–	–	–	1.02	–	NIT	Light	1	–
19-Mar-04	09:10 PM	1408	–	–	–	–	1.02	–	NIT	Light	1	–
20-Mar-04	09:15 AM	2741	30		2.1	14	1	64	CLR	Medium	1	3
21-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
22-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
23-Mar-04	11:00 AM	–	–	–	–	–	0.7	–	CLR	–	4	0
24-Mar-04	10:30 AM	2248	31.3	34.3	2	3.56	0.75	64	CLR	Medium	1	–
25-Mar-04	09:45 AM	2426	32.3		2	6.31	0.74	62	CLD	Medium	1	3
26-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Mar-04	09:15 AM	–	–	–	–	–	–	–	CLR	–	4	0
29-Mar-04	10:15 AM	3138	29.3	27.3	2.2	5.68	1.32	62	CLR	Medium	1	–
30-Mar-04	10:15 AM	2745	34.3	30	2	6.21	1.31	62	CLD	Medium	1	–
30-Mar-04	06:00 PM	1036	–	–	–	–	1.46	62	NIT	Medium	1	–
30-Mar-04	08:00 PM	1228	–	–	–	–	1.46	62	NIT	Light	1	–
30-Mar-04	09:00 PM	1394	–	–	–	–	1.46	62	NIT	Light	1	–
31-Mar-04	10:15 AM	3276	25.3	–	2.3	6.21	1.5	59	CLR	Medium	1	3
01-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Apr-04	11:00 AM	–	–	–	–	–	1.39	–	CLR	–	4	0
04-Apr-04	11:15 AM	2386	32.3	31.7	2	3.88	1.22	60	CLR	Medium	1	–
05-Apr-04	12:30 PM	1486	27.3	–	1.3	3.59	1.2	62	CLR	Medium	1	3
06-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
08-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
09-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Apr-04	10:36 AM	–	–	–	–	–	0.94	–	CLR	–	4	0
11-Apr-04	10:30 AM	2631	29.3	28.7	1.8	4.04	0.81	64	CLR	Heavy	1	–
12-Apr-04	10:00 AM	2561	32	31.7	1.9	4.27	0.93	64	CLR	Heavy	1	–
13-Apr-04	08:30 AM	2525	33.7	33.3	1.8	3.82	1.02	62	CLR	Medium	1	–
14-Apr-04	10:30 AM	2657	30.3	30.7	1.9	3.16	1.6	62	CLR	Heavy	1	–
15-Apr-04	11:30 AM	3018	24.3	25	2.1	3.16	1.61	62	CLD	Medium	1	–
16-Apr-04	10:00 AM	2982	25.3	26.3	2	5.74	1.6	60	CLR	Medium	1	–
17-Apr-04	11:30 AM	3325	27	25.7	2.11	2.3	1.72	62	CLR	Light	1	–
18-Apr-04	08:45 AM	2942	26.7	24.3	2.1	4.49	1.89	58	CLR	Medium	1	–

Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
19-Apr-04	09:15 AM	3542	25.3	22.7	2.4	4	2.05	58	CLD	Heavy	1	–
20-Apr-04	09:00 AM	20	24	23.7	2.2	4.19	1.98	59	CLD	Heavy	1	–
21-Apr-04	10:30 AM	3659	25	23.3	2.2	3.18	1.82	60	CLR	Medium	1	–
22-Apr-04	11:00 AM	3177	25	25	3	–	2.02	60	CLR	Heavy	1	–
23-Apr-04	10:15 AM	3222	23.3	23	2.6	3.62	2.49	60	CLR	Heavy	1	–
24-Apr-04	10:30 AM	2426	–	18.7	3.58	4.36	3.11	60	CLR	Medium	3	–
25-Apr-04	10:00 AM	4134	–	18.2	3.5	2.33	3.75	62	CLR	Heavy	3	–
25-Apr-04	07:00 PM	325	–	–	–	–	3.78	–	NIT	Light	3	–
26-Apr-04	09:15 AM	2229	17	16	3.1	2.91	3.92	58	CLR	Heavy	1	–
26-Apr-04	08:00 PM	2228	–	–	–	–	3.86	–	NIT	Heavy	1	–
27-Apr-04	09:00 AM	5015	17.3	16.67	3.1	2.15	3.93	59	CLR	Heavy	1	–
27-Apr-04	06:30 PM	1962	–	–	–	–	3.92	–	CLR	Medium	2	–
27-Apr-04	11:00 PM	2924	–	–	–	–	3.92	–	NIT	Medium	1	–
28-Apr-04	10:15 AM	4866	15	16.7	3.2	1.8	4.1	59	CLR	Medium	1	–
28-Apr-04	08:30 PM	2026	–	–	–	–	3.98	–	NIT	Heavy	1	–
29-Apr-04	10:00 AM	4777	18.7	16	3.5	3.44	4.11	58	CLR	Heavy	1	–
30-Apr-04	10:15 AM	4960	19	16	3.4	3.24	4.22	59	CLR	Heavy	1	–
01-May-04	09:15 AM	530	–	–	–	3.4	4.2	62	CLR	Light	3	3
01-May-04	05:45 PM	–	–	–	–	–	4.15	–	CLR	–	4	0
02-May-04	09:15 AM	3684	16.3	15	3.57	3.7	4.05	61	CLR	Medium	1	–
03-May-04	09:30 AM	1200		17.7	3.7	2.3	3.94	63	CLR	Light	3	–
04-May-04	08:45 AM	4352	18	16	3	3.04	3.44	60	CLR	Medium	1	–
05-May-04	10:00 AM	4928	20.7	17.3	2.8	2.37	2.81	60	CLR	Medium	1	–
06-May-04	10:15 AM	4559	20	18.7	3	3.29	2.45	62	CLR	Medium	1	–
07-May-04	09:45 AM	4245	22	19.7	3	3.27	2.18	60	CLR	Heavy	1	–
07-May-04	08:40 PM	2070	–	–	–	–	2.18	–	NIT	Medium	1	–
07-May-04	10:15 PM	2383	–	–	–	–	2.18	–	NIT	Light	1	–
07-May-04	11:15 PM	2547	–	–	–	–	2.18	–	NIT	Light	1	–
08-May-04	09:00 AM	4351	18.7	18	2.7	2.27	2.32	64	CLR	Medium	1	–
09-May-04	09:06 AM	4444	19.3	17.7	3.04	2.66	2.26	64	CLR	Heavy	2	–

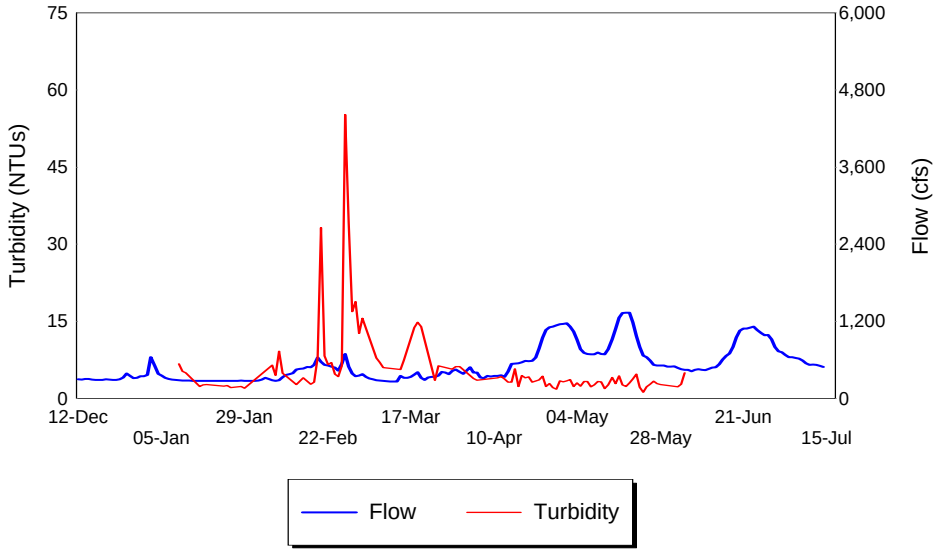
Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
10-May-04	12:30 PM	3157	–	19.3	2.9	3.31	2.45	62	CLR	Medium	3	–
11-May-04	09:00 AM	3868	19	18.3	2.8	3.22	2.32	59	CLR	Medium	1	–
12-May-04	10:15 AM	5145	21	17.7	2.6	1.94	2.18	58	CLR	Heavy	1	–
13-May-04	09:30 AM	4258	20.3	18.3	2.6	2.67	2.51	62	CLR	Heavy	2	–
14-May-04	09:15 AM	3790	–	18.3	2.7	4.09	3.19	58	CLR	Light	3	–
15-May-04	09:20 AM	4476	21.7	16.7	3	2.91	3.72	59	CLD	Heavy	2	–
15-May-04	09:00 PM	2341	–	–	–	–	3.84	–	NIT	VeryHeavy	2	–
16-May-04	08:45 AM	5112	16.3	15	3.38	4.43	4.3	58	CLR	Heavy	1	–
17-May-04	10:45 AM	540	–	14	3.9	2.63	4.75	59	CLR	Light	3	–
17-May-04	07:45 PM	2260	–	–	–	–	4.7	–	NIT	Heavy	1	–
18-May-04	09:30 AM	5702	15	13.7	3.8	2.31	4.74	57	CLR	Heavy	2	–
18-May-04	06:45 PM	697	–	–	–	–	4.7	–	CLR	Medium	3	–
19-May-04	09:30 AM	2378	–	13.7	3.5	3.06	4.72	58	CLR	Heavy	3	–
19-May-04	07:45 PM	2572	–	–	–	–	4.68	–	CLR	Medium	1	–
20-May-04	09:30 AM	6179	14.7	13.7	3.5	3.81	4.46	58	CLR	Medium	1	–
21-May-04	09:30 AM	5475	17	15	3.1	4.74	3.75	58	CLR	Heavy	1	–
22-May-04	09:15 AM	5135	17.7	19.3	3.11	2.19	3.1	58	CLR	Medium	1	–
23-May-04	09:30 AM	4407	24.3	19.7	2.75	1.25	2.33	59	CLR	Heavy	1	–
23-May-04	08:30 PM	1969	–	–	–	–	2.1	–	NIT	Light	1	–
24-May-04	09:45 AM	4144	28.7	18.7	2.8	2.24	2.27	62	CLR	Light	1	–
24-May-04	08:00 PM	1800	–	–	–	–	2.1	–	NIT	Light	1	–
25-May-04	09:45 AM	4078	24.3	20.3	2.8	2.78	1.9	62	CLR	Medium	1	–
25-May-04	07:30 PM	1769	–	–	–	–	1.78	–	CLR	Light	1	–
26-May-04	09:45 AM	4110	24	22	2.4	3.36	1.68	64	CLR	Medium	2	–
27-May-04	10:15 AM	3470	28	24.7	2.6	2.91	1.51	64	CLR	Medium	1	–
28-May-04	09:30 AM	2640	–	22.7	3	2.7	1.68	65	CLD	Medium	3	3
29-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
30-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jun-04	11:15 AM	–	–	–	–	–	1.52	–	CLR	–	4	0

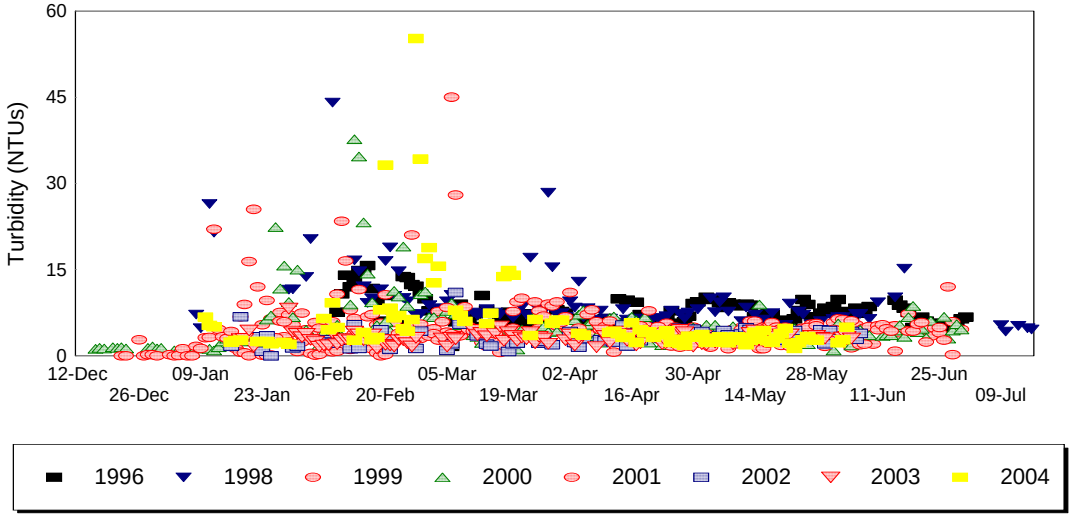
Caswell 2004 Environmental Data - South Trap

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
02-Jun-04	10:00 AM	3450	31	24.3	2.6	2.25	1.46	68	CLR	Heavy	1	–
03-Jun-04	09:45 AM	2980	29.3	25.3	2.4	2.8	1.19	66	CLR	Medium	1	–
03-Jun-04	07:45 PM	1074	–	–	–	–	1.32	–	CLR	Light	3	–
04-Jun-04	10:15 AM	2063	20	–	2.3	4.99	1.29	68	CLR	Medium	1	3

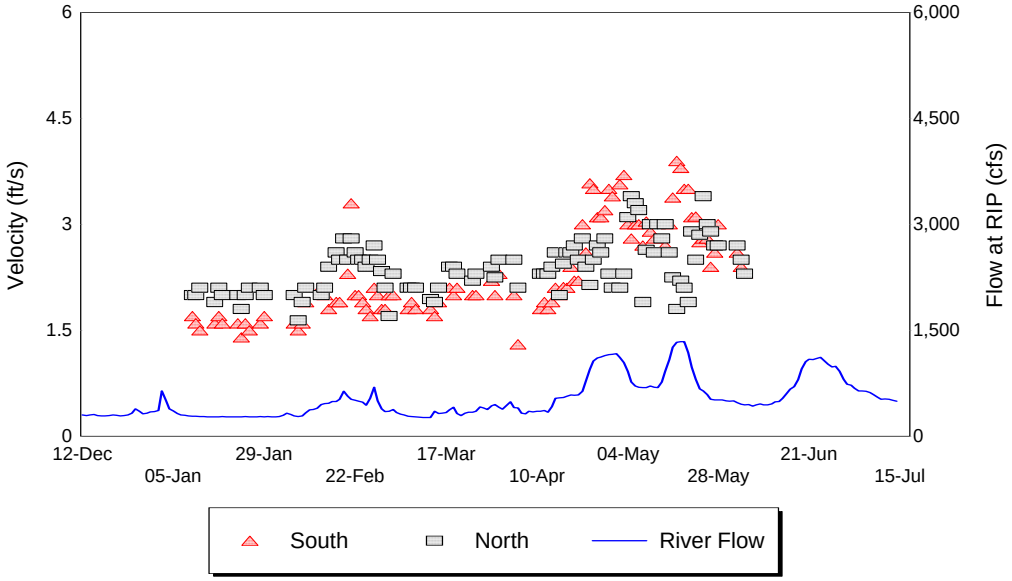
2004 River Flow at RIP
and Turbidity at Caswell



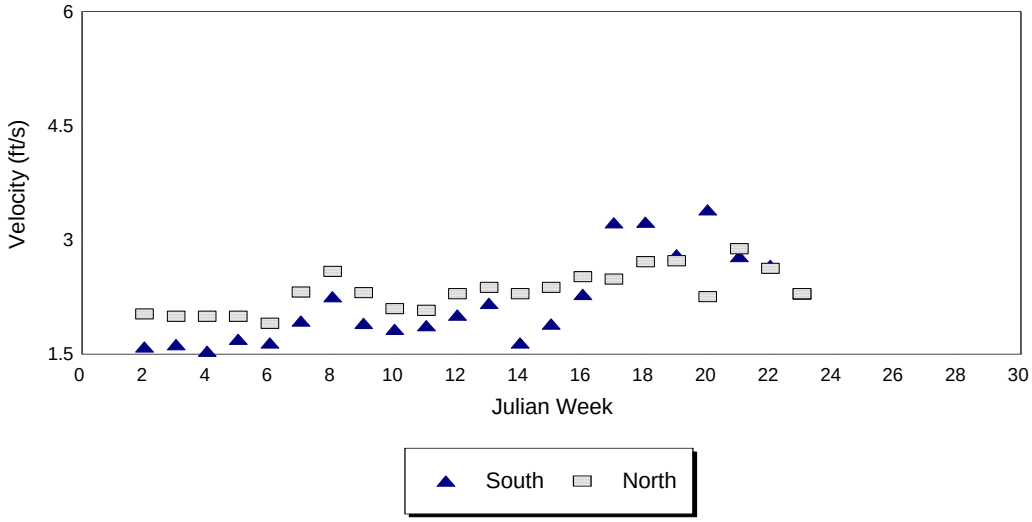
Comparison of Turbidity at Caswell
1996-2004



2004 North vs. South Velocity



2004 Average Velocity
by Julian Week



Section 2. Oakdale Trapping Site

Daily Chinook Catch at Oakdale - Year 2004

Julian Week	Date	Count
1	03-Jan-04	1091
1	04-Jan-04	465
1	05-Jan-04	108
1	06-Jan-04	43
1	07-Jan-04	3
2	08-Jan-04	1
2	09-Jan-04	ns
2	10-Jan-04	15
2	11-Jan-04	64
2	12-Jan-04	67
2	13-Jan-04	ns
2	14-Jan-04	ns
3	15-Jan-04	ns
3	16-Jan-04	192
3	17-Jan-04	141
3	18-Jan-04	227
3	19-Jan-04	ns
3	20-Jan-04	ns
3	21-Jan-04	1898
4	22-Jan-04	1186
4	23-Jan-04	750
4	24-Jan-04	223
4	25-Jan-04	587
4	26-Jan-04	232
4	27-Jan-04	157
4	28-Jan-04	312
5	29-Jan-04	1403
5	30-Jan-04	1369
5	31-Jan-04	919
5	01-Feb-04	1785
5	02-Feb-04	222
5	03-Feb-04	794
5	04-Feb-04	32636
6	05-Feb-04	48989
6	06-Feb-04	13048
6	07-Feb-04	15251
6	08-Feb-04	9830
6	09-Feb-04	11242
6	10-Feb-04	8355
6	11-Feb-04	12368
7	12-Feb-04	14519
7	13-Feb-04	3969
7	14-Feb-04	5609
7	15-Feb-04	2642
7	16-Feb-04	757
7	17-Feb-04	1198
7	18-Feb-04	822
8	19-Feb-04	81155

Julian Week	Date	Count
8	20-Feb-04	11186
8	21-Feb-04	760
8	22-Feb-04	680
8	23-Feb-04	710
8	24-Feb-04	1817
8	25-Feb-04	931
9	26-Feb-04	37197
9	27-Feb-04	37516
9	28-Feb-04	10326
9	29-Feb-04	2506
9	01-Mar-04	256
9	02-Mar-04	2939
9	03-Mar-04	3377
9	04-Mar-04	1554
10	05-Mar-04	1042
10	06-Mar-04	573
10	07-Mar-04	727
10	08-Mar-04	520
10	09-Mar-04	797
10	10-Mar-04	515
10	11-Mar-04	685
11	12-Mar-04	276
11	13-Mar-04	293
11	14-Mar-04	155
11	15-Mar-04	251
11	16-Mar-04	182
11	17-Mar-04	315
11	18-Mar-04	ns
12	19-Mar-04	ns
12	20-Mar-04	ns
12	21-Mar-04	156
12	22-Mar-04	111
12	23-Mar-04	244
12	24-Mar-04	119
12	25-Mar-04	183
13	26-Mar-04	ns
13	27-Mar-04	ns
13	28-Mar-04	174
13	29-Mar-04	88
13	30-Mar-04	103
13	31-Mar-04	ns
13	01-Apr-04	ns
14	02-Apr-04	ns
14	03-Apr-04	279
14	04-Apr-04	171
14	05-Apr-04	111
14	06-Apr-04	221
14	07-Apr-04	283

Daily Chinook Catch at Oakdale - Year 2004

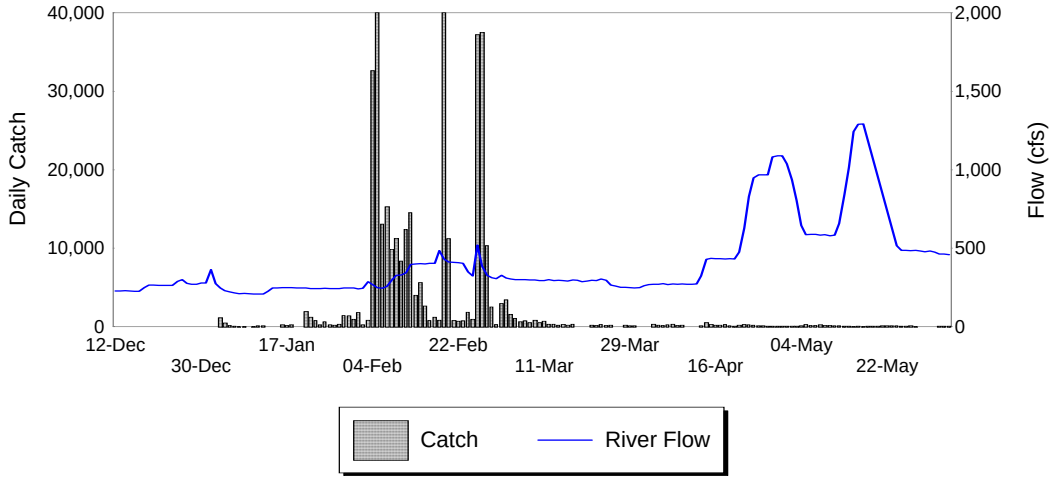
Julian Week	Date	Count
14	08-Apr-04	145
15	09-Apr-04	187
15	10-Apr-04	ns
15	11-Apr-04	ns
15	12-Apr-04	ns
15	13-Apr-04	91
15	14-Apr-04	526
15	15-Apr-04	236
16	16-Apr-04	180
16	17-Apr-04	154
16	18-Apr-04	256
16	19-Apr-04	71
16	20-Apr-04	37
16	21-Apr-04	165
16	22-Apr-04	264
17	23-Apr-04	226
17	24-Apr-04	153
17	25-Apr-04	78
17	26-Apr-04	68
17	27-Apr-04	62
17	28-Apr-04	31
17	29-Apr-04	38
18	30-Apr-04	48
18	01-May-04	36
18	02-May-04	47
18	03-May-04	54
18	04-May-04	96
18	05-May-04	273
18	06-May-04	140
19	07-May-04	131
19	08-May-04	224
19	09-May-04	130
19	10-May-04	114
19	11-May-04	77
19	12-May-04	70
19	13-May-04	61
20	14-May-04	51
20	15-May-04	17
20	16-May-04	33
20	17-May-04	21
20	18-May-04	43
20	19-May-04	26
20	20-May-04	55
21	21-May-04	65
21	22-May-04	94
21	23-May-04	101
21	24-May-04	79
21	25-May-04	45

Julian Week	Date	Count
21	26-May-04	31
21	27-May-04	67
22	28-May-04	8
22	29-May-04	ns
22	30-May-04	ns
22	31-May-04	ns
22	01-Jun-04	ns
22	02-Jun-04	26
22	03-Jun-04	27
23	04-Jun-04	33

* Catch does not include Chinook Yearlings

Batch Date	Species	Count
05-Jan-04	CHNY	1
06-Jan-04	CHNY	1
08-Jan-04	CHNY	1
24-Jan-04	CHNY	1
10-Feb-04	CHNY	1
19-Feb-04	CHNY	3
27-Feb-04	CHNY	2
28-Feb-04	CHNY	1

Daily 2004 Flow at OBB and Chinook Catch at Oakdale



*Catch on Feb. 5 = 74,192 & Feb. 19 = 81,155

Daily Chinook Mean Length at Oakdale - Year 2004

Julian Week	Date	Mean Length (mm)
1	03-Jan-04	33.3
1	04-Jan-04	33.6
1	05-Jan-04	32.9
1	06-Jan-04	34.5
1	07-Jan-04	34.7
2	08-Jan-04	35.0
2	09-Jan-04	ns
2	10-Jan-04	34.4
2	11-Jan-04	34.8
2	12-Jan-04	35.3
2	13-Jan-04	ns
2	14-Jan-04	ns
3	15-Jan-04	ns
3	16-Jan-04	34.5
3	17-Jan-04	35.4
3	18-Jan-04	35.2
3	19-Jan-04	ns
3	20-Jan-04	ns
3	21-Jan-04	35.7
4	22-Jan-04	36.5
4	23-Jan-04	35.4
4	24-Jan-04	36.2
4	25-Jan-04	35.4
4	26-Jan-04	34.9
4	27-Jan-04	34.4
4	28-Jan-04	34.7
5	29-Jan-04	34.6
5	30-Jan-04	35.4
5	31-Jan-04	35.2
5	01-Feb-04	36.0
5	02-Feb-04	34.3
5	03-Feb-04	34.4
5	04-Feb-04	36.7
6	05-Feb-04	37.6
6	06-Feb-04	36.5
6	07-Feb-04	36.8
6	08-Feb-04	37.7
6	09-Feb-04	36.8
6	10-Feb-04	37.2
6	11-Feb-04	37.0
7	12-Feb-04	36.9
7	13-Feb-04	36.4
7	14-Feb-04	37.1
7	15-Feb-04	37.2
7	16-Feb-04	36.7
7	17-Feb-04	36.6
7	18-Feb-04	36.8
8	19-Feb-04	36.1
8	20-Feb-04	35.2
8	21-Feb-04	36.9
8	22-Feb-04	37.9
8	23-Feb-04	36.7
8	24-Feb-04	36.9
8	25-Feb-04	35.8
9	26-Feb-04	36.0
9	27-Feb-04	36.0
9	28-Feb-04	37.5
9	29-Feb-04	36.5
9	01-Mar-04	41.9
9	02-Mar-04	42.1
9	03-Mar-04	37.6
9	04-Mar-04	44.7
10	05-Mar-04	43.7
10	06-Mar-04	43.0
10	07-Mar-04	44.0
10	08-Mar-04	42.7
10	09-Mar-04	38.2
10	10-Mar-04	42.9
10	11-Mar-04	38.8
11	12-Mar-04	37.6
11	13-Mar-04	38.4
11	14-Mar-04	38.4
11	15-Mar-04	42.9
11	16-Mar-04	39.2
11	17-Mar-04	45.7
11	18-Mar-04	ns
12	19-Mar-04	ns
12	20-Mar-04	ns
12	21-Mar-04	45.7
12	22-Mar-04	51.4
12	23-Mar-04	46.6
12	24-Mar-04	54.1
12	25-Mar-04	53.4
13	26-Mar-04	ns
13	27-Mar-04	ns
13	28-Mar-04	55.6
13	29-Mar-04	56.9
13	30-Mar-04	60.4
13	31-Mar-04	ns
13	01-Apr-04	ns
14	02-Apr-04	ns
14	03-Apr-04	67.8
14	04-Apr-04	67.6
14	05-Apr-04	66.5
14	06-Apr-04	68.8
14	07-Apr-04	65.9

Daily Chinook Mean Length at Oakdale - Year 2004

Julian Week	Date	Mean Length (mm)
14	08-Apr-04	67.1
15	09-Apr-04	66.2
15	10-Apr-04	ns
15	11-Apr-04	ns
15	12-Apr-04	ns
15	13-Apr-04	68.3
15	14-Apr-04	69.3
15	15-Apr-04	68.3
16	16-Apr-04	67.6
16	17-Apr-04	67.4
16	18-Apr-04	70.3
16	19-Apr-04	71.2
16	20-Apr-04	80.0
16	21-Apr-04	73.1
16	22-Apr-04	75.1
17	23-Apr-04	72.6
17	24-Apr-04	72.0
17	25-Apr-04	73.8
17	26-Apr-04	72.9
17	27-Apr-04	72.1
17	28-Apr-04	75.4
17	29-Apr-04	75.9
18	30-Apr-04	71.8
18	01-May-04	76.5
18	02-May-04	75.2
18	03-May-04	75.1
18	04-May-04	75.9
18	05-May-04	78.7
18	06-May-04	75.8
19	07-May-04	76.3
19	08-May-04	78.7
19	09-May-04	75.5
19	10-May-04	78.7
19	11-May-04	76.6
19	12-May-04	76.0
19	13-May-04	77.6
20	14-May-04	78.7
20	15-May-04	74.8
20	16-May-04	78.6
20	17-May-04	80.0
20	18-May-04	78.8
20	19-May-04	81.1
20	20-May-04	79.6
21	21-May-04	84.6
21	22-May-04	84.2
21	23-May-04	84.6
21	24-May-04	83.3
21	25-May-04	81.4
21	26-May-04	85.1
21	27-May-04	83.0
22	28-May-04	84.1
22	29-May-04	ns
22	30-May-04	ns
22	31-May-04	ns
22	01-Jun-04	ns
22	02-Jun-04	85.6
22	03-Jun-04	83.6
23	04-Jun-04	85.5

* Mean length does not include Chinook Yearlings

Batch Date	Species	Forklength
19-Feb-04	CHNY	145
10-Feb-04	CHNY	162
24-Jan-04	CHNY	126
28-Feb-04	CHNY	145
08-Jan-04	CHNY	130
27-Feb-04	CHNY	119
06-Jan-04	CHNY	130
19-Feb-04	CHNY	115
27-Feb-04	CHNY	117
19-Feb-04	CHNY	138
05-Jan-04	CHNY	117

Daily Chinook Minimum, Maximum and Mean Lengths at Oakdale - Year 2004

Julian Week	Date	Min	Average	Max
1	03-Jan-04	31	33.3	36
1	04-Jan-04	31	33.6	36
1	05-Jan-04	32	32.9	35
1	06-Jan-04	32	34.5	55
1	07-Jan-04	34	34.7	35
2	08-Jan-04	35	35.0	35
2	09-Jan-04	ns	ns	ns
2	10-Jan-04	32	34.4	57
2	11-Jan-04	32	34.8	39
2	12-Jan-04	32	35.3	38
2	13-Jan-04	ns	ns	ns
2	14-Jan-04	ns	ns	ns
3	15-Jan-04	ns	ns	ns
3	16-Jan-04	31	34.5	38
3	17-Jan-04	33	35.4	38
3	18-Jan-04	30	35.2	39
3	19-Jan-04	ns	ns	ns
3	20-Jan-04	ns	ns	ns
3	21-Jan-04	30	35.7	68
4	22-Jan-04	32	36.5	39
4	23-Jan-04	32	35.4	65
4	24-Jan-04	32	36.2	63
4	25-Jan-04	31	35.4	45
4	26-Jan-04	31	34.9	40
4	27-Jan-04	29	34.4	38
4	28-Jan-04	31	34.7	58
5	29-Jan-04	33	34.6	37
5	30-Jan-04	33	35.4	41
5	31-Jan-04	31	35.2	48
5	01-Feb-04	30	36.0	64
5	02-Feb-04	30	34.3	41
5	03-Feb-04	29	34.4	38
5	04-Feb-04	31	36.7	50
6	05-Feb-04	32	37.6	62
6	06-Feb-04	32	36.5	41
6	07-Feb-04	32	36.8	51
6	08-Feb-04	32	37.7	65
6	09-Feb-04	32	36.8	67
6	10-Feb-04	33	37.2	64
6	11-Feb-04	31	37.0	79
7	12-Feb-04	33	36.8	41
7	13-Feb-04	33	36.4	43
7	14-Feb-04	32	37.1	44
7	15-Feb-04	33	37.2	40
7	16-Feb-04	32	36.7	55
7	17-Feb-04	32	36.7	42

Julian Week	Date	Min	Average	Max
7	18-Feb-04	31	36.8	40
8	19-Feb-04	32	36.1	44
8	20-Feb-04	30	35.2	39
8	21-Feb-04	32	36.9	43
8	22-Feb-04	33	37.9	60
8	23-Feb-04	33	36.7	48
8	24-Feb-04	31	36.9	61
8	25-Feb-04	32	35.8	51
9	26-Feb-04	32	36.0	44
9	27-Feb-04	33	36.0	42
9	28-Feb-04	31	37.5	79
9	29-Feb-04	32	36.5	43
9	01-Mar-04	31	41.9	63
9	02-Mar-04	30	42.1	74
9	03-Mar-04	32	37.6	77
9	04-Mar-04	34	44.7	73
10	05-Mar-04	33	43.7	67
10	06-Mar-04	26	43.0	73
10	07-Mar-04	29	44.0	65
10	08-Mar-04	32	42.7	84
10	09-Mar-04	30	38.2	52
10	10-Mar-04	32	42.9	74
10	11-Mar-04	30	38.8	72
11	12-Mar-04	30	37.6	67
11	13-Mar-04	29	38.4	63
11	14-Mar-04	29	38.4	60
11	15-Mar-04	31	42.9	70
11	16-Mar-04	31	39.2	70
11	17-Mar-04	30	45.7	83
11	18-Mar-04	ns	ns	ns
12	19-Mar-04	ns	ns	ns
12	20-Mar-04	ns	ns	ns
12	21-Mar-04	32	45.7	64
12	22-Mar-04	34	51.4	85
12	23-Mar-04	34	46.6	77
12	24-Mar-04	30	54.1	95
12	25-Mar-04	34	53.4	88
13	26-Mar-04	ns	ns	ns
13	27-Mar-04	ns	ns	ns
13	28-Mar-04	34	55.6	87
13	29-Mar-04	32	56.9	85
13	30-Mar-04	34	60.4	86
13	31-Mar-04	ns	ns	ns
13	01-Apr-04	ns	ns	ns
14	02-Apr-04	ns	ns	ns
14	03-Apr-04	31	67.8	90

Daily Chinook Minimum, Maximum and Mean Lengths at Oakdale - Year 2004

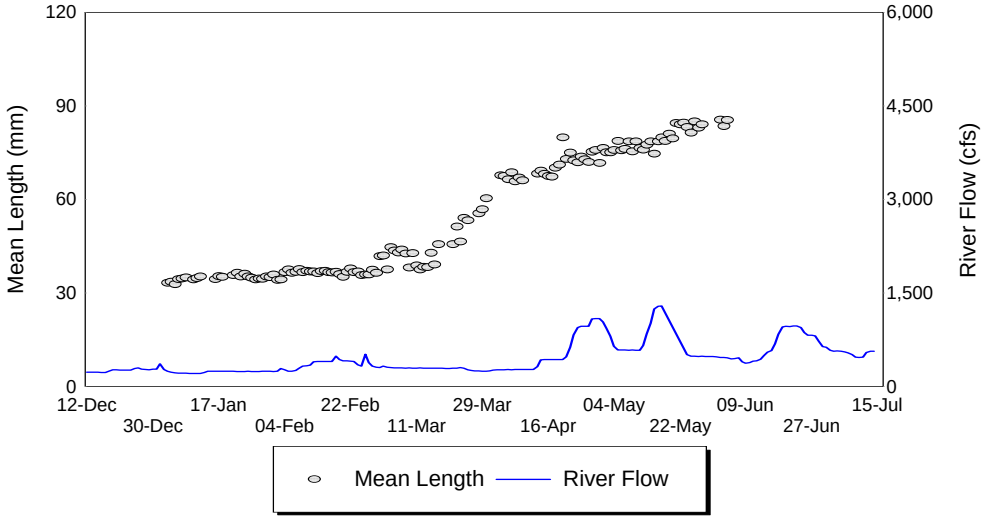
Julian Week	Date	Min	Average	Max
14	04-Apr-04	54	67.6	90
14	05-Apr-04	46	66.5	93
14	06-Apr-04	52	68.8	90
14	07-Apr-04	50	65.9	95
14	08-Apr-04	35	67.1	89
15	09-Apr-04	51	66.2	88
15	10-Apr-04	ns	ns	ns
15	11-Apr-04	ns	ns	ns
15	12-Apr-04	ns	ns	ns
15	13-Apr-04	54	68.3	90
15	14-Apr-04	52	69.3	103
15	15-Apr-04	36	68.3	90
16	16-Apr-04	37	67.6	85
16	17-Apr-04	51	67.4	91
16	18-Apr-04	52	70.3	83
16	19-Apr-04	47	71.2	87
16	20-Apr-04	78	80.0	82
16	21-Apr-04	54	73.1	96
16	22-Apr-04	59	75.1	109
17	23-Apr-04	54	73.4	89
17	24-Apr-04	51	72.0	91
17	25-Apr-04	55	73.8	84
17	26-Apr-04	60	72.9	95
17	27-Apr-04	57	72.1	85
17	28-Apr-04	62	75.4	86
17	29-Apr-04	62	75.9	101
18	30-Apr-04	59	71.8	87
18	01-May-04	62	76.5	98
18	02-May-04	60	75.2	97
18	03-May-04	56	75.1	94
18	04-May-04	62	75.9	90
18	05-May-04	61	78.7	96
18	06-May-04	54	75.8	89
19	07-May-04	56	76.3	97
19	08-May-04	62	78.7	100
19	09-May-04	59	75.5	102
19	10-May-04	62	78.7	98
19	11-May-04	63	76.6	93
19	12-May-04	53	76.0	92
19	13-May-04	62	77.6	90
20	14-May-04	65	78.7	96
20	15-May-04	58	74.8	95
20	16-May-04	64	78.6	91
20	17-May-04	66	80.0	100
20	18-May-04	58	78.8	92
20	19-May-04	60	81.1	93

Julian Week	Date	Min	Average
20	20-May-04	68	79.6
21	21-May-04	68	84.6
21	22-May-04	60	84.2
21	23-May-04	68	84.6
21	24-May-04	67	83.3
21	25-May-04	70	81.4
21	26-May-04	73	85.1
21	27-May-04	68	83.0
22	28-May-04	69	84.1
22	29-May-04	ns	ns
22	30-May-04	ns	ns
22	31-May-04	ns	ns
22	01-Jun-04	ns	ns
22	02-Jun-04	74	85.6
22	03-Jun-04	72	83.6
23	04-Jun-04	72	85.5

* Lengths do not include Chinook Yearlings

Batch Date	Species	Forklength
19-Feb-04	CHNY	145
10-Feb-04	CHNY	162
24-Jan-04	CHNY	126
28-Feb-04	CHNY	145
08-Jan-04	CHNY	130
27-Feb-04	CHNY	119
06-Jan-04	CHNY	130
19-Feb-04	CHNY	115
27-Feb-04	CHNY	117
19-Feb-04	CHNY	138
05-Jan-04	CHNY	117

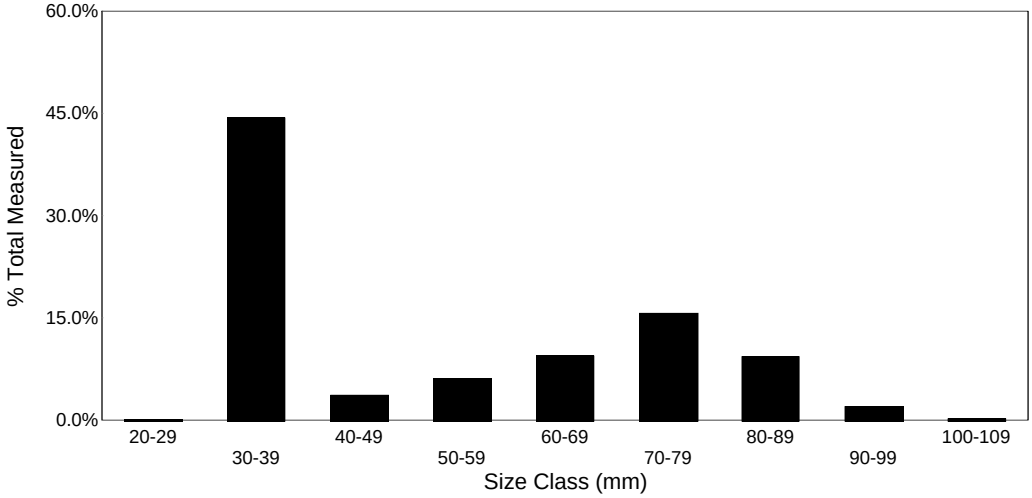
Daily Chinook Mean Lengths
at Oakdale - 2004



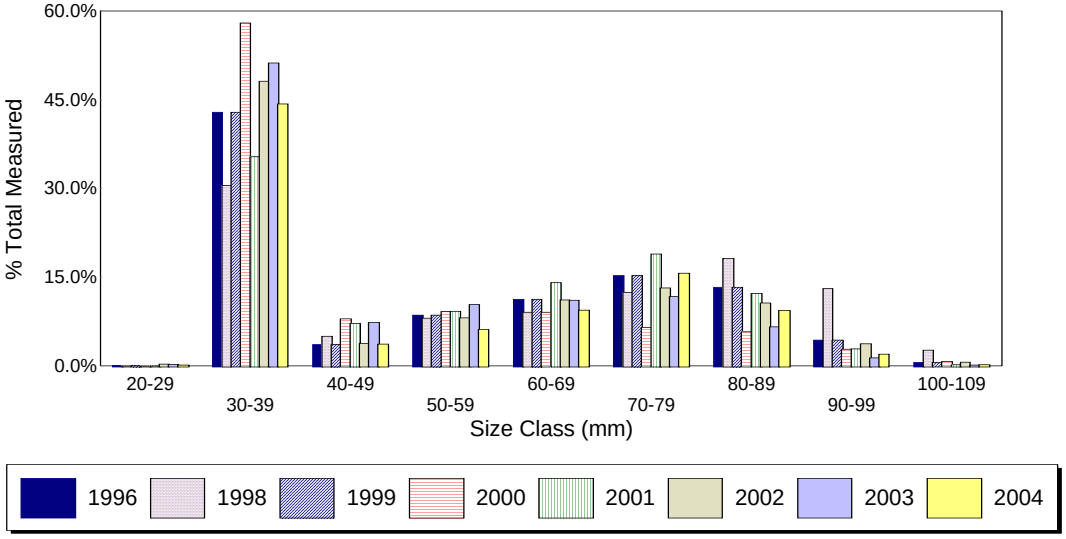
2004 Length frequency table for all Chinook measured at Oakdale.

Length Interval	Julian Week																							Season	
(mm)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	Total	% Total
20-29				1	1					2	3													7	0.09%
30-39	5	115	198	384	450	512	452	371	432	277	212	90	19	2	1	1								3,521	44.32%
40-49				4	12	15	18	18	64	73	49	25	8	1		2								289	3.64%
50-59	1	1	1	1	1	3	1	1	55	68	39	100	55	82	38	21	10	3	3	2				486	6.12%
60-69			1	2		4		3	16	28	14	35	43	124	108	133	88	65	55	20	8	1		748	9.42%
70-79						1			3	3	3	10	20	104	82	173	226	193	233	95	80	14	4	1,244	15.66%
80-89										1		9	5	32	22	44	64	103	139	90	184	29	19	741	9.33%
90-99												1		7	2	6	4	9	19	20	64	16	10	158	1.99%
100-109															1	2	1		2	1	7	1		15	0.19%
110-119																					1			1	0.01%
	6	116	200	392	464	535	471	393	570	452	320	270	150	352	254	382	393	373	451	228	344	61	33	7,210	

Length Frequency of Measured Chinook
at Oakdale - 2004



Length Frequency of Chinook Measured
at Oakdale 1996-2004



Smolt index values for all natural Chinook rated at Oakdale during 2004.

Date	# 1	# 2	# 3	Mean Index
03-Jan-04	52	-	-	1.00
04-Jan-04	53	-	-	1.00
05-Jan-04	50	-	-	1.00
06-Jan-04	39	-	-	1.00
07-Jan-04	3	-	-	1.00
08-Jan-04	1	-	-	1.00
09-Jan-04	ns	ns	ns	ns
10-Jan-04	14	1	-	1.07
11-Jan-04	50	-	-	1.00
12-Jan-04	50	-	-	1.00
13-Jan-04	ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns
15-Jan-04	ns	ns	ns	ns
16-Jan-04	50	-	-	1.00
17-Jan-04	50	-	-	1.00
18-Jan-04	50	-	-	1.00
19-Jan-04	ns	ns	ns	ns
20-Jan-04	ns	ns	ns	ns
21-Jan-04	48	2	-	1.04
22-Jan-04	50	-	-	1.00
23-Jan-04	71	-	-	1.00
24-Jan-04	49	1	-	1.02
25-Jan-04	70	-	-	1.00
26-Jan-04	50	-	-	1.00
27-Jan-04	50	-	-	1.00
28-Jan-04	50	1	-	1.02
29-Jan-04	50	-	-	1.00
30-Jan-04	120	-	-	1.00
31-Jan-04	78	1	-	1.01
01-Feb-04	49	1	-	1.02
02-Feb-04	70	-	-	1.00
03-Feb-04	50	-	-	1.00
04-Feb-04	85	-	-	1.00
05-Feb-04	70	2	-	1.03
06-Feb-04	70	-	-	1.00
07-Feb-04	69	1	-	1.01
08-Feb-04	49	1	-	1.02
09-Feb-04	70	1	-	1.01
10-Feb-04	90	-	-	1.00
11-Feb-04	90	1	-	1.01
12-Feb-04	70	-	-	1.00
13-Feb-04	70	-	-	1.00
14-Feb-04	70	-	-	1.00
15-Feb-04	70	-	-	1.00
16-Feb-04	70	1	-	1.01
17-Feb-04	70	1	-	1.00

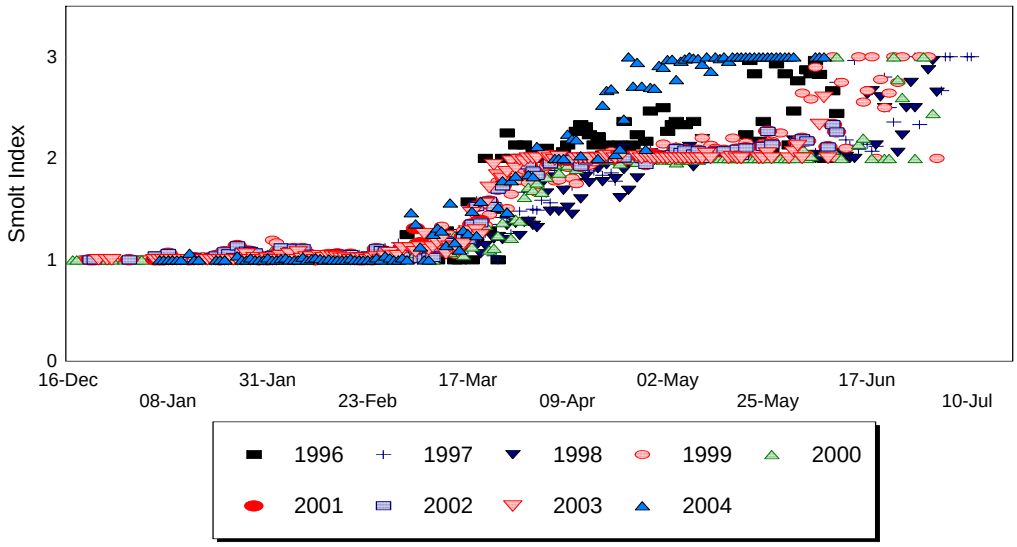
Date	# 1	# 2	# 3	Mean Index
18-Feb-04	50	-	-	1.00
19-Feb-04	70	-	-	1.00
20-Feb-04	70	-	-	1.00
21-Feb-04	50	-	-	1.00
22-Feb-04	49	1	-	1.02
23-Feb-04	51	-	-	1.00
24-Feb-04	50	2	-	1.04
25-Feb-04	49	1	-	1.02
26-Feb-04	70	-	-	1.00
27-Feb-04	68	-	-	1.00
28-Feb-04	50	1	-	1.02
29-Feb-04	50	-	-	1.00
01-Mar-04	49	43	-	1.47
02-Mar-04	51	28	-	1.35
03-Mar-04	68	10	-	1.13
04-Mar-04	50	-	-	1.00
05-Mar-04	50	-	-	1.00
06-Mar-04	50	17	-	1.25
07-Mar-04	50	23	-	1.32
08-Mar-04	50	20	-	1.29
09-Mar-04	43	7	-	1.14
10-Mar-04	22	28	-	1.56
11-Mar-04	58	12	-	1.17
12-Mar-04	45	5	-	1.10
13-Mar-04	34	14	-	1.29
14-Mar-04	37	13	-	1.26
15-Mar-04	26	24	-	1.48
16-Mar-04	38	12	-	1.24
17-Mar-04	38	52	-	1.58
18-Mar-04	ns	ns	ns	ns
19-Mar-04	ns	ns	ns	ns
20-Mar-04	ns	ns	ns	ns
21-Mar-04	24	26	-	1.52
22-Mar-04	11	39	-	1.78
23-Mar-04	26	23	-	1.47
24-Mar-04	17	27	6	1.78
25-Mar-04	12	58	-	1.83
26-Mar-04	ns	ns	ns	ns
27-Mar-04	ns	ns	ns	ns
28-Mar-04	8	42	-	1.84
29-Mar-04	9	41	-	1.82
30-Mar-04	2	40	8	2.12
31-Mar-04	ns	ns	ns	ns
01-Apr-04	ns	ns	ns	ns
02-Apr-04	ns	ns	ns	ns
03-Apr-04	-	50	-	2.00

Smolt index values for all natural Chinook rated at Oakdale during 2004.

Date	# 1	# 2	# 3	Mean Index
04-Apr-04	-	50	-	2.00
05-Apr-04	-	50	-	2.00
06-Apr-04	-	38	12	2.24
07-Apr-04	-	66	16	2.20
08-Apr-04	1	55	14	2.19
09-Apr-04	-	68	2	2.03
10-Apr-04	ns	ns	ns	ns
11-Apr-04	ns	ns	ns	ns
12-Apr-04	ns	ns	ns	ns
13-Apr-04	-	50	-	2.00
14-Apr-04	-	29	32	2.52
15-Apr-04	1	22	50	2.67
16-Apr-04	-	22	48	2.69
17-Apr-04	-	48	2	2.04
18-Apr-04	-	49	5	2.09
19-Apr-04	-	30	19	2.39
20-Apr-04	-	-	2	3.00
21-Apr-04	-	20	50	2.71
22-Apr-04	-	4	69	2.95
23-Apr-04	-	20	50	2.71
24-Apr-04	-	61	6	2.09
25-Apr-04	-	18	42	2.70
26-Apr-04	-	20	45	2.69
27-Apr-04	-	5	55	2.92
28-Apr-04	-	3	27	2.90
29-Apr-04	-	1	37	2.97
30-Apr-04	-	1	47	2.98
01-May-04	-	8	28	2.78
02-May-04	-	2	45	2.96
03-May-04	-	1	53	2.98
04-May-04	-	-	48	3.00
05-May-04	-	1	75	2.99
06-May-04	-	1	63	2.98
07-May-04	-	5	65	2.93
08-May-04	-	-	50	3.00
09-May-04	-	7	43	2.86
10-May-04	-	-	70	3.00
11-May-04	-	1	69	2.99
12-May-04	-	-	68	3.00
13-May-04	-	3	70	2.96
14-May-04	-	-	46	3.00
15-May-04	-	-	17	3.00
16-May-04	-	-	30	3.00
17-May-04	-	-	21	3.00
18-May-04	-	-	43	3.00
19-May-04	-	-	26	3.00

Date	# 1	# 2	# 3	Mean Index
20-May-04	-	-	45	3.00
21-May-04	-	-	43	3.00
22-May-04	-	-	56	3.00
23-May-04	-	-	54	3.00
24-May-04	-	-	64	3.00
25-May-04	-	-	45	3.00
26-May-04	-	-	31	3.00
27-May-04	-	-	51	3.00
28-May-04	-	-	7	3.00
29-May-04	ns	ns	ns	ns
30-May-04	ns	ns	ns	ns
31-May-04	ns	ns	ns	ns
01-Jun-04	ns	ns	ns	ns
02-Jun-04	-	-	26	3.00
03-Jun-04	-	-	27	3.00
04-Jun-04	-	-	33	3.00

1996 - 2004 Daily Smolt Index
Values at Oakdale



Oakdale Releases and Recapture Data - Year 2004

Designated Release Code	Release Location	Release Date	Mark Type	Fish Stock	Release Time	Adjusted # Released	Number Recaptured	% Recaptured	Mean Length at Release (mm)	Mean Length at Recap. (mm)	Flow at OBB (cfs)
O1	ST040X	24-Jan-04	PHOTONIC	WILD	1745	488	185	38%	36.2	34.7	244
O2	ST040X	29-Jan-04	PHOTONIC	WILD	1800	269	77	29%	33.7	35.2	245
O3	ST040X	30-Jan-04	PHOTONIC	WILD	1825	509	186	37%	34.3	35.9	246
O4	ST040X	04-Feb-04	PHOTONIC	WILD	1820	589	20	3%	35.5	36.7	267
O5	ST040X	06-Feb-04	PHOTONIC	WILD	1815	463	194	42%	36.2	36.2	243
O6	ST040X	10-Feb-04	PHOTONIC	WILD	1845	526	121	23%	36.5	36.6	329
O7	ST040X	11-Feb-04	PHOTONIC	WILD	1800	502	158	31%	36.5	36.3	343
O8	ST040X	02-Mar-04	PHOTONIC	WILD	1845	192	49	26%	36.9	37.2	310
O9	ST040X	10-Mar-04	PHOTONIC	WILD	1840	538	157	29%	37.1	37.4	293
O10	ST040X	16-Mar-04	PHOTONIC	WILD	1830	206	69	33%	42.5	44.7	291
O11	ST040X	24-Mar-04	PHOTONIC	WILD	1850	199	46	23%	49.7	50.0	294
O12	ST040X	07-Apr-04	PHOTONIC	HATCH	2010	525	144	27%	61.5	62.3	271
O13	ST040X	08-Apr-04	PHOTONIC	HATCH	1940	655	177	27%	61.5	62.3	270
O14	ST040X	08-Apr-04	PHOTONIC	WILD	1940	233	55	24%	66.2	68.2	270
O15	ST040X	14-Apr-04	PHOTONIC	WILD	2025	26	2	8%	69.6	70.0	429
O16	ST040X	14-Apr-04	PHOTONIC	HATCH	2026	480	45	9%	74.1	73.6	429
O17	ST040X	14-Apr-04	PHOTONIC	HATCH	1945	488	74	15%	75.7	73.3	429
O18	ST040X	15-Apr-04	PHOTONIC	WILD	1945	72	3	4%	69.9	70.0	434
O19	ST040X	15-Apr-04	PHOTONIC	HATCH	1945	468	57	12%	75.3	74.9	434
O20	ST040X	15-Apr-04	PHOTONIC	HATCH	1915	639	60	9%	76.7	77.0	434
O21	ST040X	21-Apr-04	PHOTONIC	HATCH	2030	442	41	9%	76.6	74.3	476
O22	ST040X	22-Apr-04	PHOTONIC	HATCH	2020	503	19	4%	75.8	76.4	628
O23	ST040X	28-Apr-04	PHOTONIC	WILD	2205	27	0	0%	73.5	-	1081
O24	ST040X	28-Apr-04	PHOTONIC	HATCH	2206	492	1	0%	81.1	82.0	1081
O25	ST040X	28-Apr-04	PHOTONIC	HATCH	2140	534	1	0%	79.8	85.0	1081
O26	ST040X	29-Apr-04	PHOTONIC	HATCH	2005	418	0	0%	80.1	-	1088
O27	ST040X	29-Apr-04	PHOTONIC	HATCH	2035	557	0	0%	79.8	-	1088
O28	ST040X	05-May-04	PHOTONIC	HATCH	2055	524	38	7%	81.1	75.4	585
O29	ST040X	06-May-04	PHOTONIC	HATCH	2030	548	56	10%	78.8	80.2	588

Oakdale Releases and Recapture Data - Year 2004

Designated Release Code	Release Location	Release Date	Mark Type	Fish Stock	Release Time	Adjusted # Released	Number Recaptured	% Recaptured	Mean Length at Release (mm)	Mean Length at Recap. (mm)	Flow at OBB (cfs)
O30	ST040X	06-May-04	PHOTONIC	WILD	2030	108	14	13%	79.7	79.8	588
O31	ST040X	12-May-04	PHOTONIC	HATCH	2025	510	13	3%	79.9	81.2	658
O32	ST040X	12-May-04	PHOTONIC	WILD	2025	42	0	0%	76.7	-	658
O33	ST040X	13-May-04	PHOTONIC	WILD	2100	54	2	4%	79.3	71.0	842
O34	ST040X	13-May-04	PHOTONIC	HATCH	2100	489	8	2%	83.2	79.8	842
O35	ST040X	19-May-04	PHOTONIC	HATCH	2115	936	13	1%	82.1	81.7	nd
O36	ST040X	19-May-04	PHOTONIC	HATCH	2135	1000	15	2%	83.2	81.7	nd
O37	ST040X	20-May-04	PHOTONIC	HATCH	2125	974	51	5%	82.3	80.9	nd
O38	ST040X	20-May-04	PHOTONIC	HATCH	2145	932	31	3%	82.3	80.5	nd
O39	ST040X	26-May-04	PHOTONIC	WILD	2107	78	3	4%	83.3	85.0	486

nd = no data available

Number and Date of all Recaptures at Oakdale during 2004.

Date	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12	O13
03-Jan-04													
04-Jan-04													
05-Jan-04													
06-Jan-04													
07-Jan-04													
08-Jan-04													
09-Jan-04													
10-Jan-04													
11-Jan-04													
12-Jan-04													
13-Jan-04													
14-Jan-04													
15-Jan-04													
16-Jan-04													
17-Jan-04													
18-Jan-04													
19-Jan-04													
20-Jan-04													
21-Jan-04													
22-Jan-04													
23-Jan-04													
24-Jan-04	185												
25-Jan-04													
26-Jan-04													
27-Jan-04													
28-Jan-04													
29-Jan-04		76											
30-Jan-04		1	177										
31-Jan-04			9										
01-Feb-04													
02-Feb-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12	O13
03-Feb-04													
04-Feb-04				20									
05-Feb-04													
06-Feb-04					188								
07-Feb-04					6								
08-Feb-04													
09-Feb-04													
10-Feb-04						120							
11-Feb-04						1	158						
12-Feb-04													
13-Feb-04													
14-Feb-04													
15-Feb-04													
16-Feb-04													
17-Feb-04													
18-Feb-04													
19-Feb-04													
20-Feb-04													
21-Feb-04													
22-Feb-04													
23-Feb-04													
24-Feb-04													
25-Feb-04													
26-Feb-04													
27-Feb-04													
28-Feb-04													
29-Feb-04													
01-Mar-04													
02-Mar-04								47					
03-Mar-04								2					
04-Mar-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12	O13
05-Mar-04													
06-Mar-04													
07-Mar-04													
08-Mar-04													
09-Mar-04													
10-Mar-04									148				
11-Mar-04									9				
12-Mar-04													
13-Mar-04													
14-Mar-04													
15-Mar-04													
16-Mar-04										60			
17-Mar-04										9			
18-Mar-04													
19-Mar-04													
20-Mar-04													
21-Mar-04													
22-Mar-04													
23-Mar-04													
24-Mar-04											36		
25-Mar-04											10		
26-Mar-04													
27-Mar-04													
28-Mar-04													
29-Mar-04													
30-Mar-04													
31-Mar-04													
01-Apr-04													
02-Apr-04													
03-Apr-04													
04-Apr-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12	O13
05-Apr-04													
06-Apr-04													
07-Apr-04												141	
08-Apr-04												3	170
09-Apr-04													7
10-Apr-04													
11-Apr-04													
12-Apr-04													
13-Apr-04													
14-Apr-04													
15-Apr-04													
16-Apr-04													
17-Apr-04													
18-Apr-04													
19-Apr-04													
20-Apr-04													
21-Apr-04													
22-Apr-04													
23-Apr-04													
24-Apr-04													
25-Apr-04													
26-Apr-04													
27-Apr-04													
28-Apr-04													
29-Apr-04													
30-Apr-04													
01-May-04													
02-May-04													
03-May-04													
04-May-04													
05-May-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O1	O2	O3	O4	O5	O6	O7	O8	O9	O10	O11	O12	O13
06-May-04													
07-May-04													
08-May-04													
09-May-04													
10-May-04													
11-May-04													
12-May-04													
13-May-04													
14-May-04													
15-May-04													
16-May-04													
17-May-04													
18-May-04													
19-May-04													
20-May-04													
21-May-04													
22-May-04													
23-May-04													
24-May-04													
25-May-04													
26-May-04													
27-May-04													
28-May-04													
29-May-04													
30-May-04													
31-May-04													
01-Jun-04													
02-Jun-04													
03-Jun-04													
04-Jun-04													
Total	185	77	186	20	194	121	158	49	157	69	46	144	177

Number and Date of all Recaptures at Oakdale during 2004.

Date	O14	O15	O16	O17	O18	O19	O20	O21	O22	O23	O24	O25	O26
03-Jan-04													
04-Jan-04													
05-Jan-04													
06-Jan-04													
07-Jan-04													
08-Jan-04													
09-Jan-04													
10-Jan-04													
11-Jan-04													
12-Jan-04													
13-Jan-04													
14-Jan-04													
15-Jan-04													
16-Jan-04													
17-Jan-04													
18-Jan-04													
19-Jan-04													
20-Jan-04													
21-Jan-04													
22-Jan-04													
23-Jan-04													
24-Jan-04													
25-Jan-04													
26-Jan-04													
27-Jan-04													
28-Jan-04													
29-Jan-04													
30-Jan-04													
31-Jan-04													
01-Feb-04													
02-Feb-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O14	O15	O16	O17	O18	O19	O20	O21	O22	O23	O24	O25	O26
03-Feb-04													
04-Feb-04													
05-Feb-04													
06-Feb-04													
07-Feb-04													
08-Feb-04													
09-Feb-04													
10-Feb-04													
11-Feb-04													
12-Feb-04													
13-Feb-04													
14-Feb-04													
15-Feb-04													
16-Feb-04													
17-Feb-04													
18-Feb-04													
19-Feb-04													
20-Feb-04													
21-Feb-04													
22-Feb-04													
23-Feb-04													
24-Feb-04													
25-Feb-04													
26-Feb-04													
27-Feb-04													
28-Feb-04													
29-Feb-04													
01-Mar-04													
02-Mar-04													
03-Mar-04													
04-Mar-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O14	O15	O16	O17	O18	O19	O20	O21	O22	O23	O24	O25	O26
05-Mar-04													
06-Mar-04													
07-Mar-04													
08-Mar-04													
09-Mar-04													
10-Mar-04													
11-Mar-04													
12-Mar-04													
13-Mar-04													
14-Mar-04													
15-Mar-04													
16-Mar-04													
17-Mar-04													
18-Mar-04													
19-Mar-04													
20-Mar-04													
21-Mar-04													
22-Mar-04													
23-Mar-04													
24-Mar-04													
25-Mar-04													
26-Mar-04													
27-Mar-04													
28-Mar-04													
29-Mar-04													
30-Mar-04													
31-Mar-04													
01-Apr-04													
02-Apr-04													
03-Apr-04													
04-Apr-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O14	O15	O16	O17	O18	O19	O20	O21	O22	O23	O24	O25	O26
05-Apr-04													
06-Apr-04													
07-Apr-04													
08-Apr-04	52												
09-Apr-04	3												
10-Apr-04													
11-Apr-04													
12-Apr-04													
13-Apr-04													
14-Apr-04		2	41	70									
15-Apr-04			4	4	3	55	59						
16-Apr-04						2	1						
17-Apr-04													
18-Apr-04													
19-Apr-04													
20-Apr-04													
21-Apr-04								41					
22-Apr-04									19				
23-Apr-04													
24-Apr-04													
25-Apr-04													
26-Apr-04													
27-Apr-04													
28-Apr-04											1	1	
29-Apr-04													
30-Apr-04													
01-May-04													
02-May-04													
03-May-04													
04-May-04													
05-May-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O14	O15	O16	O17	O18	O19	O20	O21	O22	O23	O24	O25	O26
06-May-04													
07-May-04													
08-May-04													
09-May-04													
10-May-04													
11-May-04													
12-May-04													
13-May-04													
14-May-04													
15-May-04													
16-May-04													
17-May-04													
18-May-04													
19-May-04													
20-May-04													
21-May-04													
22-May-04													
23-May-04													
24-May-04													
25-May-04													
26-May-04													
27-May-04													
28-May-04													
29-May-04													
30-May-04													
31-May-04													
01-Jun-04													
02-Jun-04													
03-Jun-04													
04-Jun-04													
Total	55	2	45	74	3	57	60	41	19	0	1	1	0

Number and Date of all Recaptures at Oakdale during 2004.

Date	O27	O28	O29	O30	O31	O32	O33	O34	O35	O36	O37	O38	O39
03-Jan-04													
04-Jan-04													
05-Jan-04													
06-Jan-04													
07-Jan-04													
08-Jan-04													
09-Jan-04													
10-Jan-04													
11-Jan-04													
12-Jan-04													
13-Jan-04													
14-Jan-04													
15-Jan-04													
16-Jan-04													
17-Jan-04													
18-Jan-04													
19-Jan-04													
20-Jan-04													
21-Jan-04													
22-Jan-04													
23-Jan-04													
24-Jan-04													
25-Jan-04													
26-Jan-04													
27-Jan-04													
28-Jan-04													
29-Jan-04													
30-Jan-04													
31-Jan-04													
01-Feb-04													
02-Feb-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O27	O28	O29	O30	O31	O32	O33	O34	O35	O36	O37	O38	O39
03-Feb-04													
04-Feb-04													
05-Feb-04													
06-Feb-04													
07-Feb-04													
08-Feb-04													
09-Feb-04													
10-Feb-04													
11-Feb-04													
12-Feb-04													
13-Feb-04													
14-Feb-04													
15-Feb-04													
16-Feb-04													
17-Feb-04													
18-Feb-04													
19-Feb-04													
20-Feb-04													
21-Feb-04													
22-Feb-04													
23-Feb-04													
24-Feb-04													
25-Feb-04													
26-Feb-04													
27-Feb-04													
28-Feb-04													
29-Feb-04													
01-Mar-04													
02-Mar-04													
03-Mar-04													
04-Mar-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O27	O28	O29	O30	O31	O32	O33	O34	O35	O36	O37	O38	O39
05-Mar-04													
06-Mar-04													
07-Mar-04													
08-Mar-04													
09-Mar-04													
10-Mar-04													
11-Mar-04													
12-Mar-04													
13-Mar-04													
14-Mar-04													
15-Mar-04													
16-Mar-04													
17-Mar-04													
18-Mar-04													
19-Mar-04													
20-Mar-04													
21-Mar-04													
22-Mar-04													
23-Mar-04													
24-Mar-04													
25-Mar-04													
26-Mar-04													
27-Mar-04													
28-Mar-04													
29-Mar-04													
30-Mar-04													
31-Mar-04													
01-Apr-04													
02-Apr-04													
03-Apr-04													
04-Apr-04													

Number and Date of all Recaptures at Oakdale during 2004.

Date	O27	O28	O29	O30	O31	O32	O33	O34	O35	O36	O37	O38	O39
05-Apr-04													
06-Apr-04													
07-Apr-04													
08-Apr-04													
09-Apr-04													
10-Apr-04													
11-Apr-04													
12-Apr-04													
13-Apr-04													
14-Apr-04													
15-Apr-04													
16-Apr-04													
17-Apr-04													
18-Apr-04													
19-Apr-04													
20-Apr-04													
21-Apr-04													
22-Apr-04													
23-Apr-04													
24-Apr-04													
25-Apr-04													
26-Apr-04													
27-Apr-04													
28-Apr-04													
29-Apr-04													
30-Apr-04													
01-May-04													
02-May-04													
03-May-04													
04-May-04													
05-May-04		38											

Number and Date of all Recaptures at Oakdale during 2004.

Date	O27	O28	O29	O30	O31	O32	O33	O34	O35	O36	O37	O38	O39
06-May-04			55	14									
07-May-04			1										
08-May-04													
09-May-04													
10-May-04													
11-May-04													
12-May-04					13								
13-May-04							2	8					
14-May-04													
15-May-04													
16-May-04													
17-May-04													
18-May-04													
19-May-04									12	13			
20-May-04									1	2	51	31	
21-May-04													
22-May-04													
23-May-04													
24-May-04													
25-May-04													
26-May-04													3
27-May-04													
28-May-04													
29-May-04													
30-May-04													
31-May-04													
01-Jun-04													
02-Jun-04													
03-Jun-04													
04-Jun-04													
Total	0	38	56	14	13	0	2	8	13	15	51	31	3

Rainbow/steelhead captured at Oakdale during 2004.

Station	Date	Time	Length (mm)	Smolt Index
ST040X	03-Jan-04	09:20 AM	210	4
ST040X	03-Jan-04	09:20 AM	238	5
ST040X	04-Jan-04	09:30 AM	236	5
ST040X	04-Jan-04	09:30 AM	188	4
ST040X	04-Jan-04	09:30 AM	203	4
ST040X	04-Jan-04	09:30 AM	254	5
ST040X	06-Jan-04	09:15 AM	214	5
ST040X	06-Jan-04	09:15 AM	214	5
ST040X	06-Jan-04	09:15 AM	199	4
ST040X	06-Jan-04	09:15 AM	182	4
ST040X	06-Jan-04	09:15 AM	202	4
ST040X	08-Jan-04	08:15 AM	138	3
ST040X	08-Jan-04	08:15 AM	225	4
ST040X	08-Jan-04	08:15 AM	225	5
ST040X	08-Jan-04	08:15 AM	208	5
ST040X	11-Jan-04	08:30 AM	244	4
ST040X	21-Jan-04	08:45 AM	201	5
ST040X	24-Jan-04	08:00 AM	44	2
ST040X	24-Jan-04	08:00 AM	245	5
ST040X	24-Jan-04	07:00 PM	233	4
ST040X	29-Jan-04	08:30 AM	235	5
ST040X	29-Jan-04	08:30 AM	225	5
ST040X	30-Jan-04	08:30 AM	234	5
ST040X	31-Jan-04	08:15 AM	238	5
ST040X	05-Feb-04	08:45 AM	229	5
ST040X	18-Feb-04	11:15 PM	239	5
ST040X	18-Feb-04	11:15 PM	254	5
ST040X	19-Feb-04	09:00 AM	257	5
ST040X	22-Feb-04	08:15 AM	260	5
ST040X	26-Feb-04	08:15 AM	258	5
ST040X	27-Feb-04	08:30 AM	240	4
ST040X	27-Feb-04	08:30 AM	244	5
ST040X	27-Feb-04	08:30 AM	247	5
ST040X	28-Feb-04	08:00 AM	255	5
ST040X	04-Mar-04	08:30 AM	212	5
ST040X	05-Mar-04	08:15 AM	245	5
ST040X	07-Mar-04	08:00 AM	220	5
ST040X	13-Mar-04	07:15 AM	262	5
ST040X	14-Mar-04	08:00 AM	240	5
ST040X	22-Mar-04	08:30 AM	196	4
ST040X	18-Apr-04	07:45 AM	45	3
ST040X	21-Apr-04	08:15 AM	nd*	nd*
ST040X	24-Apr-04	07:45 AM	37	2
ST040X	25-Apr-04	08:00 AM	54	2
ST040X	25-Apr-04	08:00 AM	45	2
ST040X	27-Apr-04	08:30 AM	51	3
ST040X	30-Apr-04	08:15 AM	66	3
ST040X	30-Apr-04	09:30 PM	31	2
ST040X	01-May-04	08:15 AM	59	3

Rainbow/steelhead captured at Oakdale during 2004.

Station	Date	Time	Length (mm)	Smolt Index
ST040X	06-May-04	10:46 PM	52	3
ST040X	12-May-04	09:45 PM	53	3
ST040X	16-May-04	07:45 AM	54	3
ST040X	19-May-04	08:30 PM	60	3
ST040X	22-May-04	08:00 AM	60	3
ST040X	22-May-04	08:00 AM	58	3
ST040X	24-May-04	08:15 AM	42	2
ST040X	25-May-04	08:00 AM	55	3
ST040X	25-May-04	08:00 AM	50	3

nd = no data available

*Trout jumped out of bucket before data was collected

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	BGS	C	CHC	GF	GSN	HH	LAM	LMB	MQK
03-Jan-04						5	144	9	
04-Jan-04						6		4	
05-Jan-04						4	1	1	
06-Jan-04					1	1			
07-Jan-04						1			
08-Jan-04	1								1
09-Jan-04									
10-Jan-04									
11-Jan-04							1		
12-Jan-04						1			
13-Jan-04									
14-Jan-04									
15-Jan-04									
16-Jan-04									
17-Jan-04							1		
18-Jan-04						1	1		
19-Jan-04									
20-Jan-04									
21-Jan-04	1								
22-Jan-04							1		
23-Jan-04									
24-Jan-04						4	3		1
25-Jan-04						1			
26-Jan-04									
27-Jan-04									
28-Jan-04									
29-Jan-04						2	2		
30-Jan-04									
31-Jan-04						1	1		
01-Feb-04									
02-Feb-04									
03-Feb-04									1
04-Feb-04							4	1	
05-Feb-04							6		
06-Feb-04							3		
07-Feb-04									
08-Feb-04									
09-Feb-04						2	2		
10-Feb-04						2	5		
11-Feb-04							4		
12-Feb-04							1		
13-Feb-04						2			
14-Feb-04							1		
15-Feb-04									
16-Feb-04	1					1	1		
17-Feb-04									
18-Feb-04							980		
19-Feb-04						2	298		
20-Feb-04	1						57		

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	BGS	C	CHC	GF	GSN	HH	LAM	LMB	MQK
21-Feb-04							35	1	
22-Feb-04							5	1	
23-Feb-04							7		
24-Feb-04							5		
25-Feb-04							232		
26-Feb-04							2775		
27-Feb-04		1		1			10000		
28-Feb-04				1			800		
29-Feb-04				3			112		
01-Mar-04				2			200		
02-Mar-04				1		2	531		
03-Mar-04						1	10		
04-Mar-04							20		
05-Mar-04							25		
06-Mar-04							9		
07-Mar-04							5		1
08-Mar-04							5		
09-Mar-04						2	1		1
10-Mar-04						2	6		
11-Mar-04				1					
12-Mar-04						2	1		
13-Mar-04							9		1
14-Mar-04							6		
15-Mar-04						5	7		
16-Mar-04							1		
17-Mar-04							2		
18-Mar-04									
19-Mar-04									
20-Mar-04									
21-Mar-04									1
22-Mar-04									
23-Mar-04							2		
24-Mar-04						1	5		
25-Mar-04									
26-Mar-04									
27-Mar-04									
28-Mar-04						1	9		
29-Mar-04							5		
30-Mar-04									
31-Mar-04									
01-Apr-04									
02-Apr-04									
03-Apr-04									1
04-Apr-04									
05-Apr-04							1		
06-Apr-04					1	2	3		2
07-Apr-04						2	2		2
08-Apr-04					1	1	10		2
09-Apr-04							4		1

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	BGS	C	CHC	GF	GSN	HH	LAM	LMB	MQK
10-Apr-04									
11-Apr-04									
12-Apr-04									
13-Apr-04							3		
14-Apr-04						2	18		1
15-Apr-04							2		
16-Apr-04									
17-Apr-04									
18-Apr-04	1				2		4		1
19-Apr-04							5		
20-Apr-04					1				
21-Apr-04							8		
22-Apr-04	2					2	8		
23-Apr-04	2					4	9		
24-Apr-04	2					1			1
25-Apr-04						7		2	1
26-Apr-04	1					7	4		2
27-Apr-04									
28-Apr-04	3					1	1		1
29-Apr-04	1					1			
30-Apr-04	2					1	7		1
01-May-04	1						2		1
02-May-04	1						5		1
03-May-04							1		
04-May-04	2								
05-May-04					1		11		
06-May-04						1	5		
07-May-04							3		
08-May-04						1	3		
09-May-04							8		
10-May-04	1					1	4		
11-May-04			1			1	4		
12-May-04							4		
13-May-04						1	1		
14-May-04							4		
15-May-04	1								
16-May-04						5			
17-May-04	1					1	12		
18-May-04							4		
19-May-04	2					1	2		
20-May-04	1					1	5		
21-May-04						1	3		
22-May-04	1					1	1		
23-May-04							9	1	
24-May-04	1					2	5		
25-May-04						1	2		
26-May-04						1	3		
27-May-04							2		
28-May-04									

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	BGS	C	CHC	GF	GSN	HH	LAM	LMB	MQK
29-May-04									
30-May-04									
31-May-04									
01-Jun-04					1	1		1	
02-Jun-04	1							4	
03-Jun-04							6	6	
04-Jun-04						1	5	1	
Total	31	1	1	9	8	104	16550	32	25
	BGS	C	CHC	GF	GSN	HH	LAM	LMB	MQK

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	PL	PRS	RES	RSN	SASQ	SASU	TFS	TP
03-Jan-04		18			20	9		
04-Jan-04		2			9	7		3
05-Jan-04	1	1			10	1		2
06-Jan-04	1				3	1		
07-Jan-04		3			3	2		
08-Jan-04					3			1
09-Jan-04								
10-Jan-04								
11-Jan-04					3			2
12-Jan-04						2		1
13-Jan-04								
14-Jan-04								
15-Jan-04								
16-Jan-04					2	1		
17-Jan-04					1	2		
18-Jan-04		2						1
19-Jan-04								
20-Jan-04								
21-Jan-04						1		
22-Jan-04		2				1		
23-Jan-04		2						
24-Jan-04		1						1
25-Jan-04					2			
26-Jan-04								
27-Jan-04						1		1
28-Jan-04					1	2		
29-Jan-04		1			2			
30-Jan-04								
31-Jan-04					1	1		
01-Feb-04					2			
02-Feb-04								
03-Feb-04		1			1			
04-Feb-04					2			
05-Feb-04		2			1	1		
06-Feb-04		1						
07-Feb-04								
08-Feb-04		1				1		
09-Feb-04								
10-Feb-04					1	1		
11-Feb-04		1			1			
12-Feb-04								
13-Feb-04								
14-Feb-04						1		
15-Feb-04					2			
16-Feb-04		1						
17-Feb-04								
18-Feb-04		7			1			
19-Feb-04		3				3		
20-Feb-04								

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	PL	PRS	RES	RSN	SASQ	SASU	TFS	TP
21-Feb-04								1
22-Feb-04								
23-Feb-04						1		
24-Feb-04					1			
25-Feb-04								
26-Feb-04		6			1			
27-Feb-04		4				2		
28-Feb-04		4				1		
29-Feb-04						1		
01-Mar-04								2
02-Mar-04		2			2	1		
03-Mar-04					1	3		
04-Mar-04		1			2			
05-Mar-04					3	1		
06-Mar-04		1			1			2
07-Mar-04		1			2			
08-Mar-04								
09-Mar-04								1
10-Mar-04		4			1			
11-Mar-04								
12-Mar-04								
13-Mar-04								
14-Mar-04								1
15-Mar-04		1						
16-Mar-04		1			2			
17-Mar-04								1
18-Mar-04								
19-Mar-04								
20-Mar-04								
21-Mar-04	2				1			
22-Mar-04					4		1	
23-Mar-04					1		2	
24-Mar-04					4			
25-Mar-04		1			3	1	1	1
26-Mar-04								
27-Mar-04								
28-Mar-04		1						
29-Mar-04						2	2	
30-Mar-04					2		2	
31-Mar-04								
01-Apr-04								
02-Apr-04								
03-Apr-04					3			
04-Apr-04					4			1
05-Apr-04					2	1		
06-Apr-04		1			4			1
07-Apr-04					3			
08-Apr-04					2	2		
09-Apr-04					2		1	

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	PL	PRS	RES	RSN	SASQ	SASU	TFS	TP
10-Apr-04								
11-Apr-04								
12-Apr-04								
13-Apr-04						1		
14-Apr-04					7	3		1
15-Apr-04					8	10		
16-Apr-04						3		
17-Apr-04					4	2		
18-Apr-04					2	4		
19-Apr-04					2	1		
20-Apr-04						1		
21-Apr-04				1	6	7		
22-Apr-04					59	8		
23-Apr-04					74	4		
24-Apr-04					140	13		1
25-Apr-04					151	11		
26-Apr-04					68	6		
27-Apr-04					10	3		
28-Apr-04					31	5		
29-Apr-04					8	4		
30-Apr-04					15	2		
01-May-04					16	1		
02-May-04					11			
03-May-04					12			
04-May-04		1			14	1		
05-May-04					17	2		
06-May-04				1	11			
07-May-04					2			
08-May-04			1		4	1		
09-May-04					3	1		
10-May-04					1			
11-May-04								
12-May-04					3			
13-May-04					11	4		1
14-May-04					5	1		
15-May-04					35	1		
16-May-04					24	1		
17-May-04					68			1
18-May-04					37	1		
19-May-04		1			9			
20-May-04					7			
21-May-04					2		1	
22-May-04					6			
23-May-04					4			
24-May-04					4			
25-May-04					15			
26-May-04					16			
27-May-04					5			
28-May-04					4			

Number and Date of Capture for Non-salmonids Captured in the Oakdale Trap during 2004.

Date	PL	PRS	RES	RSN	SASQ	SASU	TFS	TP
29-May-04								
30-May-04								
31-May-04								
01-Jun-04					1			
02-Jun-04					7			
03-Jun-04					11			
04-Jun-04					5		1	
Total	4	79	1	2	1077	156	11	27
	PL	PRS	RES	RSN	SASQ	SASU	TFS	TP

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
03-Jan-04											5	39	9	79
04-Jan-04											6	66	4	83
05-Jan-04											4	67	1	84
06-Jan-04									1	70	1	89		
07-Jan-04											1	46		
08-Jan-04	1	85												
09-Jan-04														
10-Jan-04														
11-Jan-04														
12-Jan-04											1	114		
13-Jan-04														
14-Jan-04														
15-Jan-04														
16-Jan-04														
17-Jan-04														
18-Jan-04											1	67		
19-Jan-04														
20-Jan-04														
21-Jan-04	1	34												
22-Jan-04														
23-Jan-04														
24-Jan-04											4	64		
25-Jan-04											1	93		
26-Jan-04														
27-Jan-04														
28-Jan-04														
29-Jan-04											2	70		
30-Jan-04														
31-Jan-04											1	158		
01-Feb-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-Feb-04														
03-Feb-04														
04-Feb-04													1	54
05-Feb-04														
06-Feb-04														
07-Feb-04														
08-Feb-04														
09-Feb-04											2	64		
10-Feb-04											2	43		
11-Feb-04														
12-Feb-04														
13-Feb-04											2	46		
14-Feb-04														
15-Feb-04														
16-Feb-04	1	42									1	42		
17-Feb-04														
18-Feb-04														
19-Feb-04											2	105		
20-Feb-04	1	133												
21-Feb-04													1	57
22-Feb-04													1	60
23-Feb-04														
24-Feb-04														
25-Feb-04														
26-Feb-04														
27-Feb-04			1	457			1	182						
28-Feb-04							1	134						
29-Feb-04							3	132						
01-Mar-04							2	150						
02-Mar-04							1	145			2	80		

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
03-Mar-04											1	130		
04-Mar-04														
05-Mar-04														
06-Mar-04														
07-Mar-04														
08-Mar-04														
09-Mar-04											2	38		
10-Mar-04											2	36		
11-Mar-04							1	175						
12-Mar-04											2	35		
13-Mar-04														
14-Mar-04														
15-Mar-04											5	40		
16-Mar-04														
17-Mar-04														
18-Mar-04														
19-Mar-04														
20-Mar-04														
21-Mar-04														
22-Mar-04														
23-Mar-04														
24-Mar-04											1	31		
25-Mar-04														
26-Mar-04														
27-Mar-04														
28-Mar-04											1	34		
29-Mar-04														
30-Mar-04														
31-Mar-04														
01-Apr-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-Apr-04														
03-Apr-04														
04-Apr-04														
05-Apr-04														
06-Apr-04									1	75	2	64		
07-Apr-04											2	38		
08-Apr-04									1	102	1	32		
09-Apr-04														
10-Apr-04														
11-Apr-04														
12-Apr-04														
13-Apr-04														
14-Apr-04											2	64		
15-Apr-04														
16-Apr-04														
17-Apr-04														
18-Apr-04	1	38							2	76				
19-Apr-04														
20-Apr-04									1	37				
21-Apr-04														
22-Apr-04	2	42									2	91		
23-Apr-04	2	71									4	80		
24-Apr-04	2	40									1	87		
25-Apr-04											7	71	2	84
26-Apr-04	1	127									7	52		
27-Apr-04														
28-Apr-04	3	78									1	55		
29-Apr-04	1	144									1	43		
30-Apr-04	2	112									1	80		
01-May-04	1	130												

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-May-04	1	113												
03-May-04														
04-May-04	2	77												
05-May-04									1	77				
06-May-04											1	47		
07-May-04														
08-May-04											1	49		
09-May-04														
10-May-04	1	55									1	46		
11-May-04					1	99					1	40		
12-May-04														
13-May-04											1	92		
14-May-04														
15-May-04	1	45												
16-May-04											5	68		
17-May-04	1	137									1	90		
18-May-04														
19-May-04	2	94									1	54		
20-May-04	1	186									1	94		
21-May-04											1	40		
22-May-04	1	88									1	81		
23-May-04													1	112
24-May-04	1	105									2	52		
25-May-04											1	35		
26-May-04											1	43		
27-May-04														
28-May-04														
29-May-04														
30-May-04														
31-May-04														

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	BGS		C		CHC		GF		GSN		HH		LMB	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
01-Jun-04									1	78	1	41	1	23
02-Jun-04	1	198											4	29
03-Jun-04													6	31
04-Jun-04											1	27	1	35

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
03-Jan-04			17	91					20	124	9	135				
04-Jan-04			2	111					9	142	7	83			3	103
05-Jan-04			1	85					10	142	1	90			2	76
06-Jan-04									3	76	1	46				
07-Jan-04			3	82					3	154	2	70				
08-Jan-04	1	37							3	112					1	71
09-Jan-04																
10-Jan-04																
11-Jan-04									3	69					2	89
12-Jan-04											2	67			1	83
13-Jan-04																
14-Jan-04																
15-Jan-04																
16-Jan-04									2	137	1	78				
17-Jan-04									1	141	2	94				
18-Jan-04			2	74											1	81
19-Jan-04																
20-Jan-04																
21-Jan-04											1	130				
22-Jan-04			2	78							1	64				
23-Jan-04			2	64												
24-Jan-04	1	30	1	74											1	65
25-Jan-04									1	175						
26-Jan-04																
27-Jan-04											1	44			1	74
28-Jan-04									1	127	2	78				
29-Jan-04			1	74					2	102						
30-Jan-04																
31-Jan-04									1	70	1	110				
01-Feb-04									2	143						

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-Feb-04																
03-Feb-04	1	32	1	101					1	196						
04-Feb-04									2	125						
05-Feb-04			2	89					1	150	1	72				
06-Feb-04			1	84												
07-Feb-04																
08-Feb-04			1	65							1	68				
09-Feb-04																
10-Feb-04									1	127	1	42				
11-Feb-04			1	70					1	28						
12-Feb-04																
13-Feb-04																
14-Feb-04											1	97				
15-Feb-04									2	79						
16-Feb-04			1	87												
17-Feb-04																
18-Feb-04			7	80					1	78						
19-Feb-04			3	88							3	164				
20-Feb-04																
21-Feb-04															1	125
22-Feb-04																
23-Feb-04											1	52				
24-Feb-04									1	246						
25-Feb-04																
26-Feb-04			6	106					1	128						
27-Feb-04			4	112							2	164				
28-Feb-04			4	86							1	163				
29-Feb-04											1	64				
01-Mar-04															2	117
02-Mar-04			2	98					2	137	1	165				

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
03-Mar-04									1	31	3	48				
04-Mar-04			1	102					2	78						
05-Mar-04									3	66	1	170				
06-Mar-04			1	98					1	65					2	111
07-Mar-04	1	36	1	67					2	32						
08-Mar-04																
09-Mar-04	1	38													1	65
10-Mar-04			4	76					1	33						
11-Mar-04																
12-Mar-04																
13-Mar-04	1	54														
14-Mar-04															1	85
15-Mar-04			1	85												
16-Mar-04			1	58					2	35						
17-Mar-04															1	68
18-Mar-04																
19-Mar-04																
20-Mar-04																
21-Mar-04	1	39							1	136						
22-Mar-04									4	99			1	122		
23-Mar-04													2	136		
24-Mar-04									4	72						
25-Mar-04			1	100					3	38	1	173	1	132	1	90
26-Mar-04																
27-Mar-04																
28-Mar-04			1	101												
29-Mar-04											2	65	2	151		
30-Mar-04									2	35			2	123		
31-Mar-04																
01-Apr-04																

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-Apr-04																
03-Apr-04	1	32							3	42						
04-Apr-04									4	88					1	134
05-Apr-04									2	89	1	168				
06-Apr-04	2	30	1	75					4	128					1	100
07-Apr-04	2	27							3	39						
08-Apr-04	2	29							2	43	2	40				
09-Apr-04	1	26							2	100			1	146		
10-Apr-04																
11-Apr-04																
12-Apr-04																
13-Apr-04											1	315				
14-Apr-04	1	42							7	50	3	44			1	101
15-Apr-04									8	71	10	69				
16-Apr-04											3	47				
17-Apr-04									4	33	2	32				
18-Apr-04	1	32							2	44	4	39				
19-Apr-04									2	42	1	45				
20-Apr-04											1	422				
21-Apr-04									5	49	7	47				
22-Apr-04									26	48	8	41				
23-Apr-04									35	55	4	44				
24-Apr-04	1	31							40	49	13	51			1	83
25-Apr-04	1	46							32	51	11	60				
26-Apr-04	2	38							34	46	6	59				
27-Apr-04									10	57	3	51				
28-Apr-04	1	30							31	51	5	57				
29-Apr-04									8	74	4	44				
30-Apr-04	1	29							15	46	2	48				
01-May-04	1	27							16	47	1	42				

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
02-May-04	1	42							11	46						
03-May-04									12	52						
04-May-04			1	92					14	63	1	79				
05-May-04									17	83	2	46				
06-May-04							1	50	11	72						
07-May-04									2	52						
08-May-04					1	168			4	73	1	450				
09-May-04									3	45	1	47				
10-May-04									1	37						
11-May-04																
12-May-04									3	63						
13-May-04									11	64	4	47			1	97
14-May-04									5	69	1	87				
15-May-04									26	48	1	50				
16-May-04									24	52	1	49				
17-May-04									29	57					1	127
18-May-04									24	47	1	51				
19-May-04			1	85					9	57						
20-May-04									7	53						
21-May-04									2	57			1	115		
22-May-04									6	54						
23-May-04									4	66						
24-May-04									4	47						
25-May-04									15	52						
26-May-04									16	51						
27-May-04									5	51						
28-May-04									4	49						
29-May-04																
30-May-04																
31-May-04																

Number Measured and Mean Lengths for Non-salmonids Captured in the Oakdale Trap during 2004.

	MQK		PRS		RES		RSN		SASQ		SASU		TFS		TP	
Date	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)	#Meas.	Length (mm)
01-Jun-04									1	83						
02-Jun-04									7	46						
03-Jun-04									11	43						
04-Jun-04									5	49			1	137		

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
02-Jan-04	02:00 PM				4.1	15.4	0.35	47	CLD		4	0
03-Jan-04	09:20 AM	5283	12.6	12.6	4.2	5.26	0.33	47	CLR	Medium	1	
04-Jan-04	09:30 AM	6307	13.1	12.6	4.08	2.54	2.2	44	CLD	Heavy	1	
05-Jan-04	08:45 AM	6360	12.3	12	4	1.49	0.16	47	CLR	Medium	1	
06-Jan-04	09:15 AM	6853	12.3	12.3	3.9	1.16	0.14	47	CLD	Medium	1	
07-Jan-04	08:45 AM	6500	12.3	12.3	3.9	1.07	0.14	47	CLD	Medium	1	
08-Jan-04	08:15 AM	6333	13.3		3.7	1.32	0.14	51	CLD	Medium	1	3
09-Jan-04	03:30 PM						0.16		CLD		4	0
10-Jan-04	09:00 AM	2180		12.6	4	1.64	0.14	50	CLD	Light	3	
11-Jan-04	08:30 AM	6636	12.6	12.2	3.3	1.45	1.6	50	FOG	Medium	1	
12-Jan-04	08:15 AM	6773	11.6	12	3.7	1.32	0.14	50	FOG	Medium	1	3
13-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
15-Jan-04	02:30 PM						0.12		FOG		4	0
16-Jan-04	08:30 AM	5257	12.3	12	4	1.64	0.12	48	CLD	Medium	1	
17-Jan-04	08:00 AM	6711	10.3	12.2	3.5	1.31	0.15	50	CLD	Medium	1	
18-Jan-04	08:30 AM	6925	12.3	12	4	0.8	0.15	50	CLD	Medium	1	3
19-Jan-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Jan-04	10:45 AM						0.1		CLD		4	0
21-Jan-04	08:45 AM	6221	12.3	12.3	4	1.11	0.13	48	FOG	Medium	2	
22-Jan-04	08:45 AM	6743	12.7	12.7	3.8	1.04	0.11	47	CLR	Medium	1	
22-Jan-04	03:30 PM	1939					0.14	50	CLR	Light	1	
23-Jan-04	08:45 AM	6542	12.3	12	3.8	1.11	0.15	48	FOG	Medium	1	
24-Jan-04	08:00 AM	6654	12.3	12	4.2	0.83	0.6	48	CLD	Medium	1	
24-Jan-04	05:00 PM	2468					0.16	50	CLD	Light	1	
24-Jan-04	07:00 PM						0.16	50	NIT		1	
24-Jan-04	08:00 PM	3396					0.16	50	NIT		1	
24-Jan-04	09:00 PM	3602					0.16	50	FOG		1	
25-Jan-04	08:50 AM	6887	12.7	12.3	4	1.98	0.16	50	FOG	Medium	1	
26-Jan-04	08:45 AM	443		12.3	3.8	1.29	0.12	48	CLR	Medium	3	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
27-Jan-04	08:45 AM	6812	12.7	12.3	4.1	0.74	0.12	50	RAN	Light	1	
28-Jan-04	08:30 AM	6671	12.67	12.33	3.7	0.94	0.11	50	CLR	Medium	2	
29-Jan-04	08:30 AM	6809	13	12.3	3.9	0.66	0.13	48	CLR	Medium	1	
29-Jan-04	05:15 PM	2395					0.14		NIT	Light	1	
29-Jan-04	07:15 PM	2880					0.13	48	NIT		1	
29-Jan-04	08:15 PM	3201					0.13	48	NIT		1	
29-Jan-04	09:15 PM	3475					0.13	48	NIT		1	
30-Jan-04	08:30 AM	6534	12.3	12.3	3.8	0.75	0.14	48	CLD	Medium	1	
30-Jan-04	06:00 PM	2696					0.12	50	NIT	Light	1	
30-Jan-04	07:45 PM	3180							NIT	Light	1	
30-Jan-04	08:45 PM	3467							NIT	Light	1	
30-Jan-04	09:45 PM	3764							NIT	Light	1	
30-Jan-04	10:45 PM	4049							NIT	Light	1	
31-Jan-04	08:15 AM	6606	12.67	12	3.8	1.08	0.13	48	CLR	Medium	1	
01-Feb-04	07:45 AM	6441	12.67	12.3	3.7	0.72	0.13	49	CLD	Heavy	1	
01-Feb-04	07:45 PM	2693					0.1		NIT	Light	2	
02-Feb-04	10:00 AM	4209	12.9	12.6	4.2	0.81	0.1	49	CLD	Medium	2	
02-Feb-04	05:15 PM	618					0.2		CLD	Heavy	3	
03-Feb-04	08:30 AM	14	13.3	12.7	3.9	2.1	0.29	49	RAN	Heavy	1	
03-Feb-04	03:00 PM	1818					0.33	49	CLD	Medium	1	
04-Feb-04	08:45 AM	6469	13.7	12.7	3.7	3.59	0.26	49	FOG	Heavy	2	
04-Feb-04	06:00 PM	180					0.22	45	NIT	Heavy	2	
04-Feb-04	09:55 PM	1166					0.22		NIT	Light	1	
04-Feb-04	10:34 PM						0.22		NIT	Light	1	
05-Feb-04	02:30 AM	2640					0.22	44	NIT	Light	1	
05-Feb-04	08:45 AM	4264	12.3	11.67	3.8	3.65	0.15	47	CLR	Light	1	
05-Feb-04	02:00 PM	1618				2.15	0.16	49	CLR	Light	1	
05-Feb-04	08:00 PM	3379					0.13		NIT	Light	1	
05-Feb-04	09:30 PM	3813					0.12		NIT	Light	1	
06-Feb-04	08:00 AM	6858	12	11.7	3.7	1.35	0.12	49	CLR	Medium	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
06-Feb-04	05:45 PM	2943				1.13	0.1		CLD	Medium	1	
06-Feb-04	07:45 PM	3544					0.1		NIT	Light	1	
06-Feb-04	08:45 PM	3865					0.1		NIT	Light	1	
06-Feb-04	09:45 PM	4113					0.1		NIT	Light	1	
07-Feb-04	12:00 AM	4541					0.12		NIT	Light	1	
07-Feb-04	08:00 AM	7166	11.7	11.7	3.9	1.2	0.12	49	FOG	Medium	1	
08-Feb-04	08:10 AM	2978	12.3	11.3	4.1	1.09	0.3	48	CLR	Heavy	2	
08-Feb-04	08:30 PM	3177					0.45		NIT	Medium	3	
09-Feb-04	08:30 AM	3178	12.3	11.7	3.9	1.05	0.45	48	CLR	Heavy	2	
09-Feb-04	03:45 PM	1832					0.45		CLR	Light	1	
09-Feb-04	09:00 PM	3321					0.45		NIT	Light	2	
10-Feb-04	08:30 AM	6671	12.3	12	4.2	1.28	0.45	48	CLR	Medium	2	
10-Feb-04	06:15 PM	2830					0.41		NIT	Medium	1	
10-Feb-04	08:00 PM	3416					0.41		NIT	Light	1	
10-Feb-04	09:15 PM	3764					0.41		NIT	Light	1	
11-Feb-04	12:00 PM	8086	0.13	0.12	4.3	0.89	0.5	50	CLR	Medium	1	
11-Feb-04	05:20 PM	1492					0.45	52	CLR	Light	1	
11-Feb-04	07:13 PM	2038					0.4	51	NIT	Light	1	
11-Feb-04	08:10 PM	2326					0.45	48	NIT	Light	1	
11-Feb-04	09:10 PM	2610					0.45	48	NIT	Light	1	
12-Feb-04	08:45 AM	5896	12	11.7		1.47	0.68	48	CLR	Heavy	1	
12-Feb-04	09:00 PM	1989					0.62		NIT	Medium	1	
13-Feb-04	08:30 AM	3169	12.7	12	4.2	1.21	0.65	49	CLD	Heavy	2	
13-Feb-04	01:15 PM	1375					0.65		CLD	Light	1	
13-Feb-04	09:30 PM	3709					0.65		NIT	Medium	1	
14-Feb-04	08:00 AM	4634	13	12	4.5	1.74	0.65	48	CLR	Medium	1	
14-Feb-04	06:45 PM	2858					0.65		NIT	Medium	1	
15-Feb-04	08:15 AM	5546		12	4.46	0.92	0.66	49	CLR	Medium	3	
15-Feb-04	07:15 PM	1491					0.65		NIT	Medium	1	
16-Feb-04	08:00 AM	3525	13.7	12.3	4.2	1.94	0.71	51	RAN	Medium	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
16-Feb-04	08:45 PM	3484					0.66		NIT	Heavy	1	
17-Feb-04	08:45 AM	6740	13	12.7	4.1	1	0.64	51	CLD	Medium	1	
18-Feb-04	08:30 AM	6355	13.7	12.7	4.6	2.58	0.85	51	RAN	Heavy	1	
18-Feb-04	05:34 PM	2558					1.8	52	CLR	Heavy	1	
18-Feb-04	08:20 PM	3232				9.44	1.4	52	NIT	Light	1	
18-Feb-04	11:15 PM	4011					0.98		NIT	Light	1	
19-Feb-04	03:15 AM	5122					0.9		NIT	Light	1	
19-Feb-04	09:00 AM	6712	13	12.3	4.4	6.62	0.78	50	CLR	Light	1	
19-Feb-04	03:00 PM	1821					0.72		CLD	Light	1	
19-Feb-04	08:45 PM	3305					0.72		NIT	Light	1	
20-Feb-04	08:15 AM	6479	13	12.3	4.4	2.79	0.69	52	RAN	Medium	1	
21-Feb-04	08:00 AM	6654	12.7	12.3	5	1.91	0.68	51	RAN	Medium	1	
22-Feb-04	08:15 AM	13107	13.3	13.3	4.2	1.91	0.67	51	RAN	Medium	2	
23-Feb-04	08:30 AM	6070	13	12.3	4.6	0.95	0.67	51	CLD	Heavy	2	
24-Feb-04	08:30 AM	6630	13	12.3	4	1.01	0.48	51	CLD	Heavy	2	
25-Feb-04	08:15 AM	6561	13.3	12.7	4.1	1.56	0.3	52	RAN	Heavy	2	
25-Feb-04	06:00 PM	2308							CLD	Heavy	3	
25-Feb-04	11:30 PM	3690					0.65		CLR	Medium	1	
26-Feb-04	08:15 AM	5971	13.3	13	4.7	18.8	0.83	50	CLR	Light	1	
26-Feb-04	05:30 PM	2320					1.14		CLD	Heavy	1	
26-Feb-04	07:30 PM	2815					0.98		NIT	Light	1	
27-Feb-04	08:30 AM	5263	13	13	4.7	16.4	0.6	52	CLR	Medium	2	
28-Feb-04	08:00 AM	6345	12.3	12	3.9	5.2	0.25	51	CLR	Medium	1	
29-Feb-04	08:00 AM	6933	12.3	11.7	3.5	3.44	0.21	50	CLR	Light	1	
01-Mar-04	08:00 AM	6951	12.3	12	4.1	2.22	0.15	52	RAN	Medium	1	
02-Mar-04	08:15 AM	6544	14.3	12.3	4.2	8.27	0.32	51	CLR	Heavy	1	
02-Mar-04	06:15 PM	2804					0.2		NIT	Light	1	
02-Mar-04	08:00 PM	3355					0.28	54	NIT	Light	1	
02-Mar-04	09:00 PM	3600					0.28	54	NIT	Light	1	
03-Mar-04	09:15 AM	7008	12.7	12.3	3.8	4.47	0.19	51	CLR	Medium	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
04-Mar-04	08:30 AM	6466	12.7	12.3	3.7	1.95	0.15	50	CLR	Medium	1	
05-Mar-04	08:15 AM	6532	13	12.3	3.3	1.33	0.13	51	CLR	Medium	1	
06-Mar-04	08:00 AM	6532	13	12	3.72	1.43	0.12	52	CLR	Medium	1	
07-Mar-04	08:00 AM	6591	13	12	3.7	1.01	0.13	54	CLR	Light	1	
08-Mar-04	08:30 AM	6194	13.7	12.7	3.2	0.9	0.15	54	CLR	Medium	1	
09-Mar-04	08:30 AM	6184	15	12.3	3.3	1.82	0.15	57	CLR	Heavy	1	
10-Mar-04	08:15 AM	5693	16.3	15.7	3.8	1.58	0.13	57	CLR	Heavy	1	
10-Mar-04	06:15 PM	2525					0.16		NIT	Medium	1	
10-Mar-04	08:00 PM	3107					0.16		NIT	Light	1	
10-Mar-04	09:00 PM	3385					0.16		NIT	Light	1	
10-Mar-04	10:00 PM	3612					0.16		NIT	Light	1	
11-Mar-04	08:00 AM	6275	13.7	12.3	3.8	1.62	0.14	58	CLR	Medium	1	
12-Mar-04	08:00 AM	5238	15.7	12.3	3.8	1.13	0.12	56	CLR	Medium	3	
13-Mar-04	07:15 AM	5566	16.3	12	4.27	1.21	0.14	56	CLR	Medium	1	
14-Mar-04	08:00 AM	5712	17	13	3.6	0.92	0.1	57	CLR	Medium	1	
15-Mar-04	08:30 AM	5370	17.3	13.3	3.7	1.35	0.14	58	CLR	Heavy	1	
16-Mar-04	08:30 AM	5010	19	14	4	1.48	0.14	58	CLR	Heavy	1	
16-Mar-04	06:00 PM	2133					0.14	62	NIT	Medium	1	
16-Mar-04	07:45 PM	2512					0.14	62	NIT	Light	1	
16-Mar-04	08:45 PM	2891					0.14	62	NIT	Light	1	
16-Mar-04	09:45 PM	3098					0.14	62	NIT	Light	1	
17-Mar-04	08:30 AM	5617	16.6	12.6	4.3	1.58	0.1	58	CLR	Medium	2	3
18-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
19-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Mar-04	08:15 AM						0.08		CLR		4	0
21-Mar-04	08:15 AM	4937	18	15	3.88	1.61	0.1	58	CLR	VeryHeavy	1	
22-Mar-04	08:30 AM	472	18.7	15.3	3.9	1.52	0.1	58	CLR	Heavy	1	
23-Mar-04	08:45 AM		16.3	13.3	4.4	2.1	0.16	58	CLR	Heavy	1	
24-Mar-04	08:15 AM	5347	16.3	13.3	4.4	1.36	0.1	58	CLR	Heavy	1	
24-Mar-04	06:30 PM	2161					0.13		NIT	Medium	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
24-Mar-04	08:00 PM	2584					0.13		NIT	Light	1	
24-Mar-04	09:00 PM	2708					0.13		NIT	Light	1	
24-Mar-04	09:30 PM	2847					0.13		NIT	Light	1	
25-Mar-04	08:00 AM	5109	15.3	13.7	4.4	1.57	0.11	58	CLD	Medium	1	3
26-Mar-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Mar-04	08:15 AM						0.1		CLR		4	0
28-Mar-04	08:00 AM	1244	17.3	14.3	4.7	2.82	0.17	56	CLR	Heavy	1	
29-Mar-04	08:30 AM	5404	17.3	14	4.2	1.54	0.12	58	CLR	Medium	1	
30-Mar-04	08:00 AM	5133	18		4.5	1.47	0.15	58	CLD	Heavy	1	3
31-Mar-04												
01-Apr-04												
02-Apr-04	08:30 AM						0.18		CLR		4	0
03-Apr-04	08:00 AM	5130	16.3	13	4.1	2.06	0.2	58	CLR	Heavy	1	
04-Apr-04	08:30 AM	5078	17.3	13.7	3.9	1.42	0.22	58	CLR	Medium	2	
05-Apr-04	08:30 AM	5285	16.3	13.3	4.4	1.47	0.24	56	CLR	Heavy	2	
06-Apr-04	08:30 AM	4806	17	14.3	3.66	2.99	0.2	56	CLR	Heavy	1	
06-Apr-04	09:30 PM	2865					0.22		NIT	Medium	1	
07-Apr-04	08:30 AM	5149	17.3	7.3	4	3.04	0.22	58	CLR	Medium	1	
07-Apr-04	07:45 PM	2520					0.33		NIT	Medium	1	
07-Apr-04	09:30 PM	2921					0.33		NIT	Light	1	
07-Apr-04	10:30 PM	3167					0.33		NIT	Light	1	
07-Apr-04	11:15 PM	3353					0.33		NIT	Light	1	
08-Apr-04	08:30 AM	5375	16	13.7	4	1.95	0.2	58	CLR	Heavy	1	
08-Apr-04	07:15 PM	1260					0.2		NIT	Medium	2	
08-Apr-04	09:10 PM	429					0.22		NIT	Light	1	
08-Apr-04	10:10 PM	645					0.2		NIT	Light	1	
08-Apr-04	11:10 PM	850					0.2		NIT	Light	1	
09-Apr-04	08:00 AM	2894	16		4.3	1.81	0.28	58	CLR	Medium	1	3
10-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Apr-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
12-Apr-04	09:00 AM											0
13-Apr-04	10:00 AM	5473	20.7	15.7	3.2	2.12	0.22	58	CLR	Medium	1	
13-Apr-04	06:30 PM	1308					0.35		CLR	Heavy	2	
14-Apr-04	09:00 AM	4432	16.7	13.3	4.5	2.55	0.8	55	CLR	VeryHeavy	1	
14-Apr-04	07:15 PM	2445					0.8		NIT	Light	1	
14-Apr-04	10:00 PM	3085					0.78		NIT	Light	1	
14-Apr-04	11:00 PM	3330					0.78		NIT	Light	2	
15-Apr-04	12:00 AM	3529					0.78		NIT	Light	2	
15-Apr-04	08:30 AM	5351	15.3	13.7	4.6	1.8	0.79	58	CLD	Medium	1	
15-Apr-04	07:00 PM	2568					0.8		NIT	Light	1	
15-Apr-04	09:30 PM	3082					0.8		NIT	Light	1	
15-Apr-04	10:30 PM	3278					0.8		NIT	Light	1	
16-Apr-04	08:15 AM	5566	15	13.3	4.7	1.43	0.79	55	CLD	Medium	1	
17-Apr-04	12:45 PM	6658	15.3	14	5	1.04	0.8	58	RAN	Heavy	2	
17-Apr-04	07:00 PM	1477					0.8		CLR	Medium	1	
18-Apr-04	07:45 AM	4679	13.7	13.7	4.5	3.35	0.8	56	CLR	Heavy	1	
18-Apr-04	08:30 PM	2862					0.8		NIT	Medium	1	
19-Apr-04	08:30 AM	5616	15	14	4.4	1.68	0.8	55	CLR	Medium	1	
20-Apr-04	09:45 AM	5909	14	13.3	4	1.58	0.78	56	CLD	Medium	1	
20-Apr-04	09:45 PM	2709					0.85		NIT	Heavy	1	
21-Apr-04	08:15 AM	5283	16	14	4.5	4.06	0.85	55	CLR	Medium	1	
21-Apr-04	07:30 PM	2709					1		CLR	Medium	1	
21-Apr-04	10:00 PM	3366					1		NIT	Light	1	
21-Apr-04	11:00 PM	3633					1		NIT	Light	1	
22-Apr-04	08:15 AM	5772	14.3	13.7	4.5	1.98	1.1	53	CLR	Medium	1	
22-Apr-04	08:00 PM	2643					1.48		NIT	Heavy	1	
22-Apr-04	09:50 PM	3037					1.48		NIT	Light	1	
22-Apr-04	10:50 PM	3226					1.48		NIT	Light	1	
23-Apr-04	08:15 AM	5162	16	15	4	2.38	1.75	59	CLR	Heavy	1	
23-Apr-04	08:30 PM	2574					2		NIT	Heavy	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
24-Apr-04	07:45 AM	4971	16.3	15.7	4.8	1.05	2.1	58	CLR	Heavy	1	
24-Apr-04	08:45 PM	2678					2.5		NIT	Medium	1	
25-Apr-04	08:00 AM	5028	17.3	16	4.12	1.09	2.29	56	CLR	Heavy	1	
25-Apr-04	08:15 PM	2580					2.29		NIT	Heavy	1	
26-Apr-04	09:00 AM	5328	16	15.3	4.3	2.3	2.28	56	CLR	Heavy	1	
26-Apr-04	08:30 PM	2537					2.28		NIT	Heavy	1	
27-Apr-04	08:30 AM	5066	17	16.67	3.59	2.16	2.36	56	CLR	Medium	1	
28-Apr-04	12:30 AM	3200					2.32		NIT	Medium	1	
28-Apr-04	08:45 AM	4822	17.7	16.7	3.8	1.6	2.3	53	CLR	Medium	1	
28-Apr-04	09:15 PM	2652					2.3		NIT	Medium	1	
28-Apr-04	11:30 PM	3114					2.32		NIT	Light	1	
29-Apr-04	08:15 AM	4892	16.7	18	3.7	2.62	2.29	54	CLR	Medium	1	
29-Apr-04	08:00 PM	2410					2.3		NIT	Medium	1	
29-Apr-04	10:00 PM	2776					2.3		NIT	Light	1	
30-Apr-04	08:15 AM	4880	18	15.7	4.2	1.5	2.25	55	CLR	Medium	1	
30-Apr-04	09:30 PM	2620					2.2		NIT	Medium	1	
01-May-04	08:15 AM	4878	16.7	17	3.5	1.1	2.2	56	CLR	Medium	1	
01-May-04	08:00 PM	2332					2.14		CLR	Light	1	
02-May-04	08:00 AM	4805	16.3	17.7	3.4	2.4	2.05	56	CLR	Medium	1	
02-May-04	08:45 PM	2379					1.86		NIT	Medium	1	
03-May-04	08:15 AM	4605	17	18.3	4.2	1.8	1.68	56	CLR	Medium	1	
04-May-04	08:45 AM	4833	17	16	4.7	1.29	1.28	59	CLR	Heavy	1	
04-May-04	09:54 PM	2927					1		NIT	Medium	1	
05-May-04	08:15 AM	5236	16	14.7	4.6	1.05	0.9	56	CLR	Medium	1	
05-May-04	08:00 PM	2657					1		NIT	Light	1	
05-May-04	10:15 PM	3162					1		NIT	Light	1	
05-May-04	11:15 PM	3359					1		NIT	Light	1	
06-May-04	08:15 AM	5365	15.3	16	4.3	1.4	1.02	54	CLR	Medium	1	
06-May-04	08:15 PM	1460					1		NIT	Medium	1	
06-May-04	09:45 PM	1855					1		NIT	Light	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
06-May-04	10:46 PM	2094					1		NIT	Light	1	
07-May-04	08:15 AM	4215	14.3	14.3	4.8	1.34	1	54	CLR	Heavy	1	
08-May-04	07:30 AM	5489	15.3	16	4.73	2.2	0.9	56	NIT	Heavy	1	
08-May-04	08:15 PM	2920					0.96		NIT	Heavy	1	
09-May-04	08:15 AM	5684	15.3	14.3	4.39	1	0.9	56	CLR	Medium	1	
09-May-04	09:30 PM	2925					0.98		NIT	Medium	1	
10-May-04	08:30 AM	5406	15.7	15.7	4.4	1.64	0.95	57	CLD	Medium	1	
10-May-04	08:45 PM	2802					0.96		NIT	Medium	1	
11-May-04	08:15 AM	5281	15	15.7	4.9	1.76	0.98	55	CLR	Medium	1	
11-May-04	09:45 PM	3130					1.1		NIT	Medium	2	
12-May-04	08:15 AM	2231	15.3	14.7	5	0.8	1.05	53	CLR	Medium	1	
12-May-04	07:45 PM	2426					1.25		CLR	Heavy	1	
12-May-04	09:45 PM	2882					1.25		NIT	Light	1	
12-May-04	10:45 PM	3057					1.25		NIT	Light	1	
13-May-04	08:30 AM	4986	16.3	14.7	4.6	1.88	1.45	54	CLR	Medium	1	
13-May-04	08:20 PM	2620					1.8		NIT	Medium	1	
13-May-04	10:20 PM	2034					1.8		NIT	Light	1	
13-May-04	11:20 PM	3230					1.82		NIT	Light	1	
14-May-04	08:00 AM	5444	16.7	15.3	3.7	1.79	2.02	53	CLR	Medium	1	
14-May-04	08:45 PM	2663							NIT	Medium	2	
15-May-04	08:15 AM	5002	16	17	3.8	1.47	2.48	52	CLR	Medium	1	
15-May-04	10:15 PM	7986							NIT	Heavy	1	
16-May-04	07:45 AM	9888	16	16.7	3.82	1.68	2.76	53	CLR	Medium	1	
16-May-04	08:15 PM	2545					2.9		NIT	Medium	1	
17-May-04	08:15 AM	5021	15.3	17.7	3.5	1.89	2.74	56	CLR	Medium	1	
17-May-04	09:00 PM	3455							NIT	Medium	1	
18-May-04	08:15 AM	6629	13	12.3	3.8	1.66	2.75	53	CLD	Medium	1	
18-May-04	09:50 PM	3987					2.78		NIT	Medium	1	
19-May-04	08:15 AM	6908	12.7	13.3	4.1	1.98	2.6	53	CLR	Medium	1	
19-May-04	08:30 PM	3664					2.3		NIT	Medium	1	

Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
19-May-04	11:00 PM	4365					2.28		NIT	Light	1	
20-May-04	12:00 AM	4634					2.26		NIT	Light	1	
20-May-04	08:00 AM	7027	12	11.7	4.2	1.24	2.1	54	CLR	Medium	1	
20-May-04	08:15 PM	3475					1.6		NIT	Light	1	
20-May-04	11:00 PM	4275					1.58		NIT	Light	1	
21-May-04	12:00 AM	4582					1.56		NIT	Light	1	
21-May-04	08:00 AM	7016	12	12	4.5	1.23	1.41	53	CLR	Medium	1	
21-May-04	08:45 PM	3638					1.12		NIT	Medium	1	
22-May-04	08:00 AM	6956	12.7	12.3	4.06	1.01	1.02	54	CLR	Medium	1	
22-May-04	08:30 PM	3370					0.75		NIT	Medium	1	
23-May-04	08:15 AM	6622	13	12.3	4.5	0.91	0.75	55	CLR	Medium	1	
23-May-04	09:30 PM	3693					0.7		NIT	Medium	1	
24-May-04	08:15 AM	6700	13	12.3	4.4	0.88	0.7	54	CLR	Medium	1	
24-May-04	08:45 PM	3535					0.68		NIT	Medium	1	
25-May-04	08:00 AM	6712	12.3	12	4.1	1.37	0.5	57	CLD	Medium	1	
25-May-04	10:15 PM	4146					0.54		NIT	Medium	1	
26-May-04	08:15 AM	6884	12.3	12	4.4	1.36	0.56	57	CLR	Light	1	
26-May-04	08:45 PM	3706					0.53		NIT	Medium	1	
26-May-04	10:30 PM	4175					0.53		NIT	Light	1	
27-May-04	08:30 AM	7000	12.6	12.3	4.2	2.2	0.55	57	CLR	Light	1	
27-May-04	08:45 PM	3380					0.54		NIT	Medium	1	
28-May-04	08:15 AM	6586	12.3	12.7	4.2	1.44	0.54	57	CLD	Medium	1	3
29-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
30-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-May-04	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
01-Jun-04	12:00 PM						0.5		CLR		4	0
01-Jun-04	09:15 PM	2595					0.5		NIT	Medium	1	
02-Jun-04	08:15 AM	5795	12	12	4	1.02	0.48	59	CLR	Medium	1	
02-Jun-04	08:45 PM						0.49		NIT	Medium	1	
03-Jun-04	08:00 AM	3515	12	12	4.2	1.1	0.5	58	CLR	Medium	1	

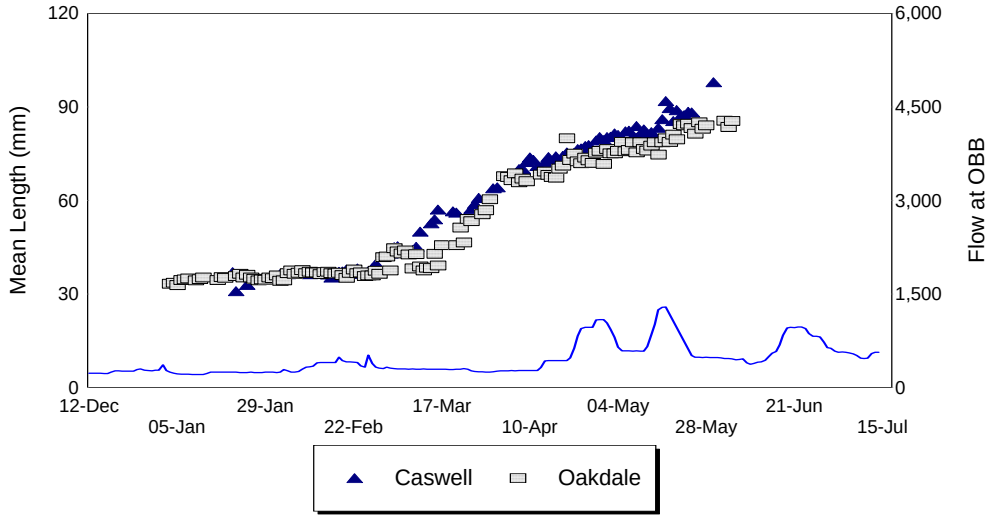
Oakdale 2004 Environmental Data

Date	Time Trap Checked	Revolutions	Time/ Rev Before	Time/ Rev After	Water Velocity	Turbidity	Stream Gauge	Water Temp	Weather Code	Debris Level	Condition Code	Gear Status
03-Jun-04	09:00 PM	3712					0.46		NIT	Medium	1	
04-Jun-04	08:00 AM	6993	12		4.3	1.15	0.46	58	CLR	Medium	1	3

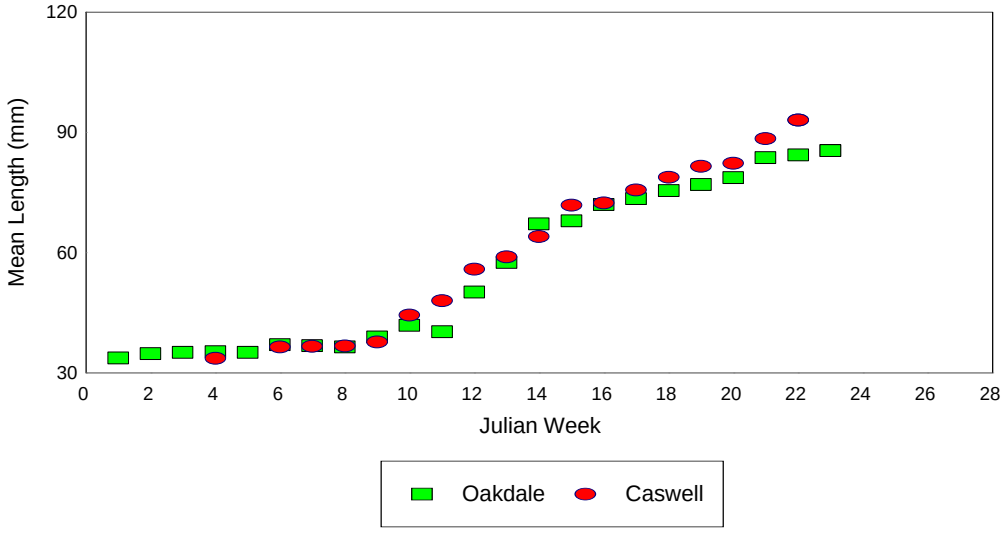
ns = no sample

Section 3. Caswell and Oakdale Comparisons

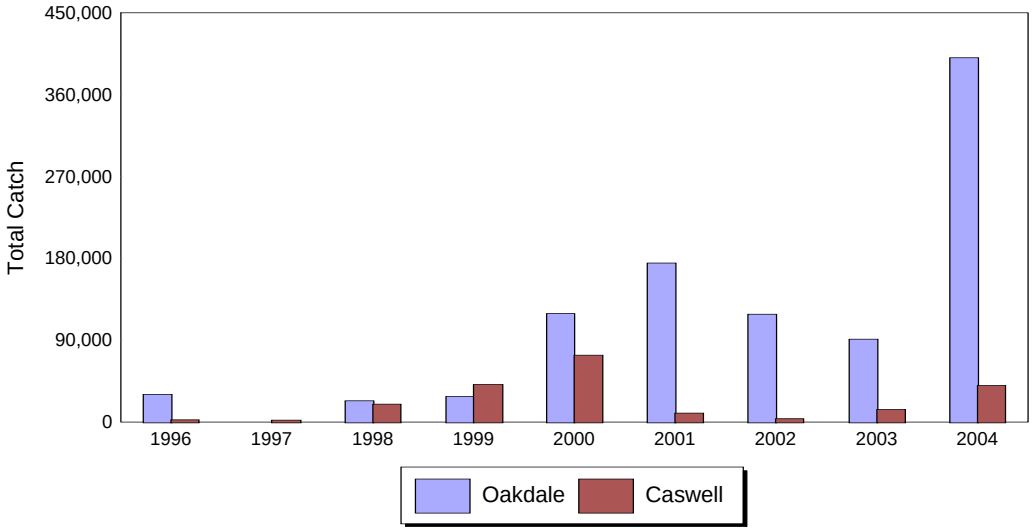
2004 Daily Flow and Chinook
Mean Lengths at Oakdale and Caswell



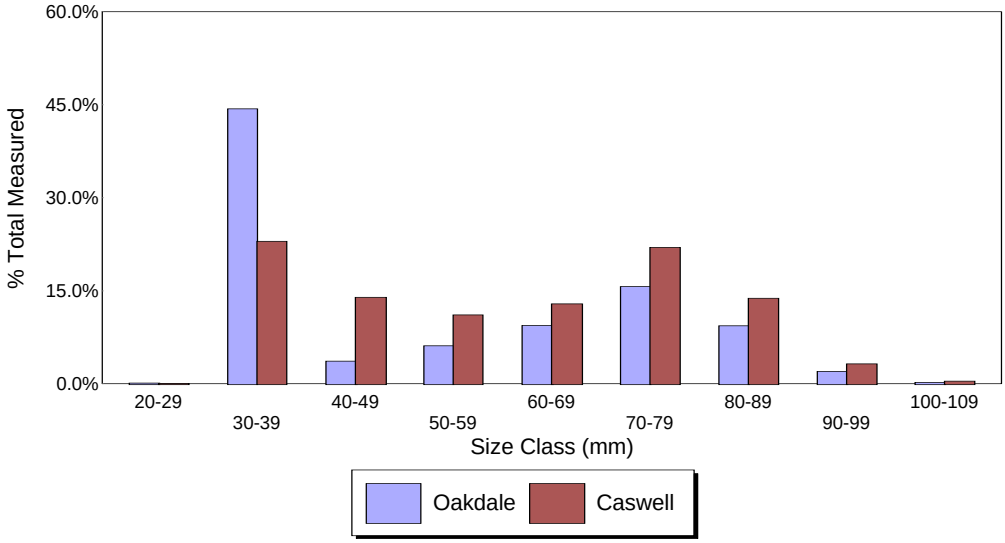
2004 Mean Length by Julian Week
at Oakdale and Caswell

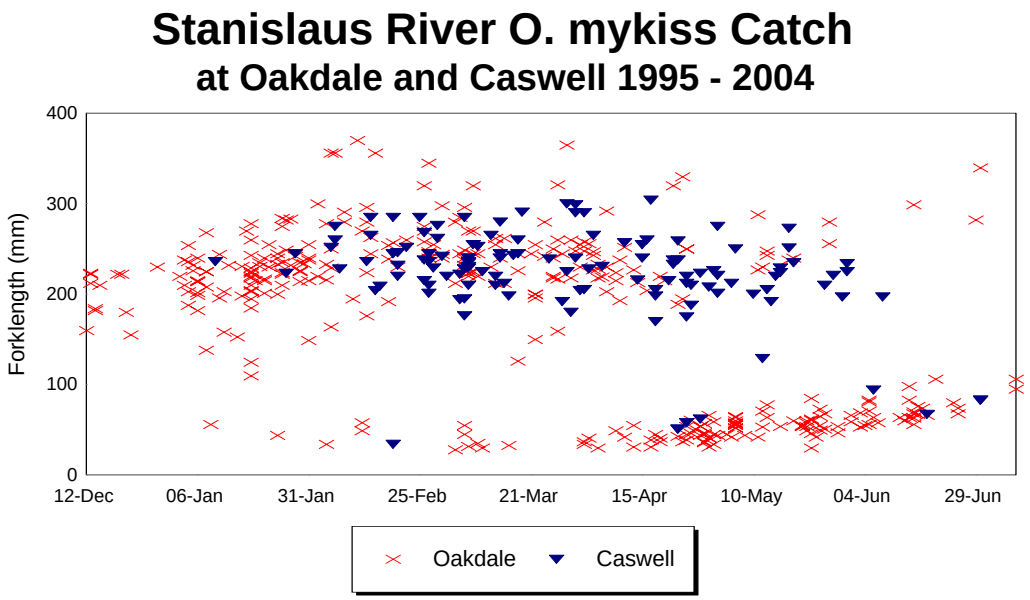


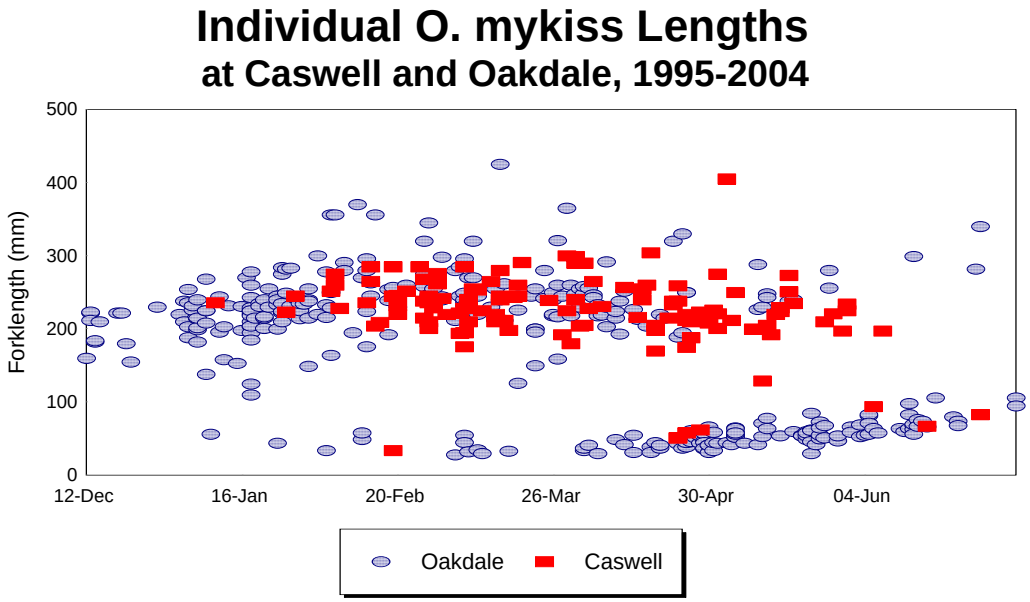
Total Chinook Catch 1996 - 2004
at Oakdale and Caswell



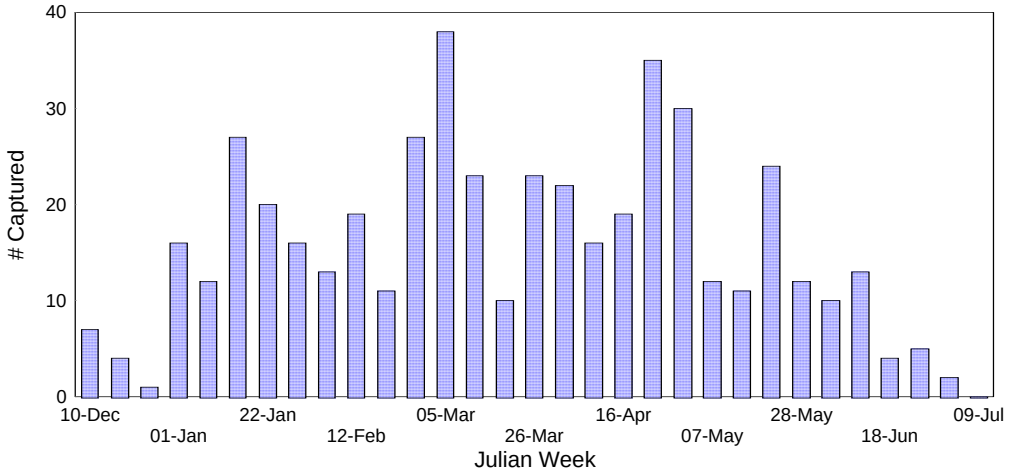
Length Frequency of Chinook Measured
at Oakdale and Caswell - 2004



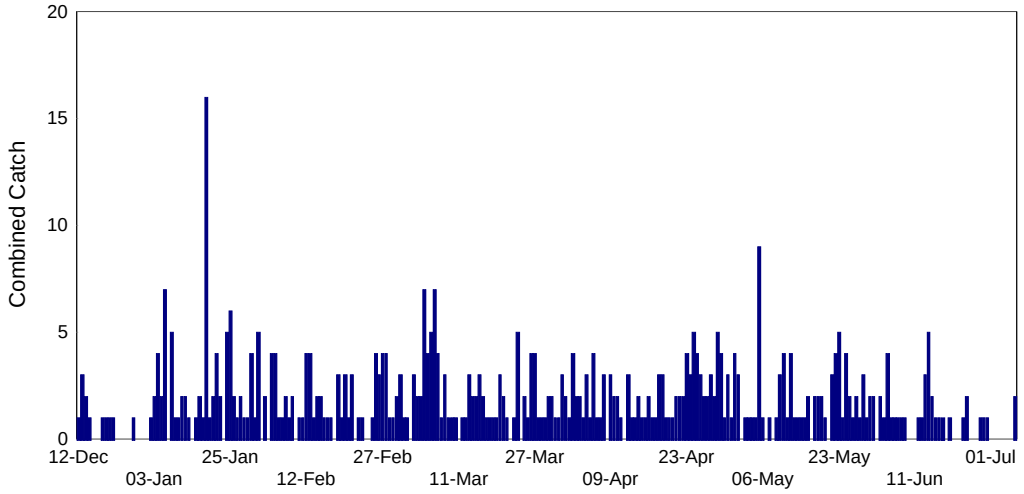

Stanislaus River O. mykiss Catch
at Oakdale and Caswell 1995 - 2004
Forklength (mm)
400
300
200
100
0
12-Dec
06-Jan
31-Jan
25-Feb
21-Mar
15-Apr
10-May
04-Jun
29-Jun
Oakdale
Caswell


Individual O. mykiss Lengths
at Caswell and Oakdale, 1995-2004
Forklength (mm)
500
400
300
200
100
0
12-Dec
16-Jan
20-Feb
26-Mar
30-Apr
04-Jun
Oakdale
Caswell

Stanislaus River O. mykiss
Abundance 1993 - 2004



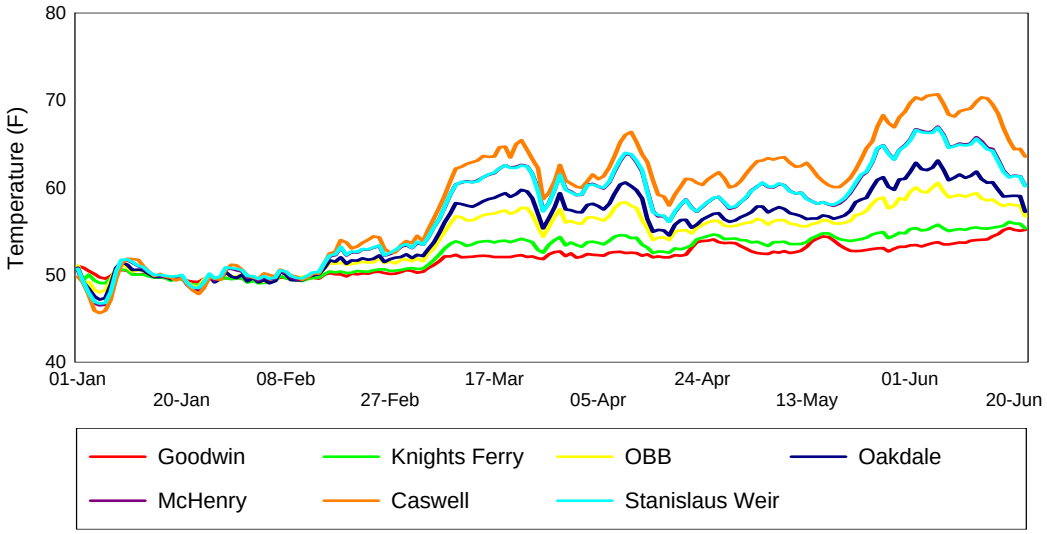
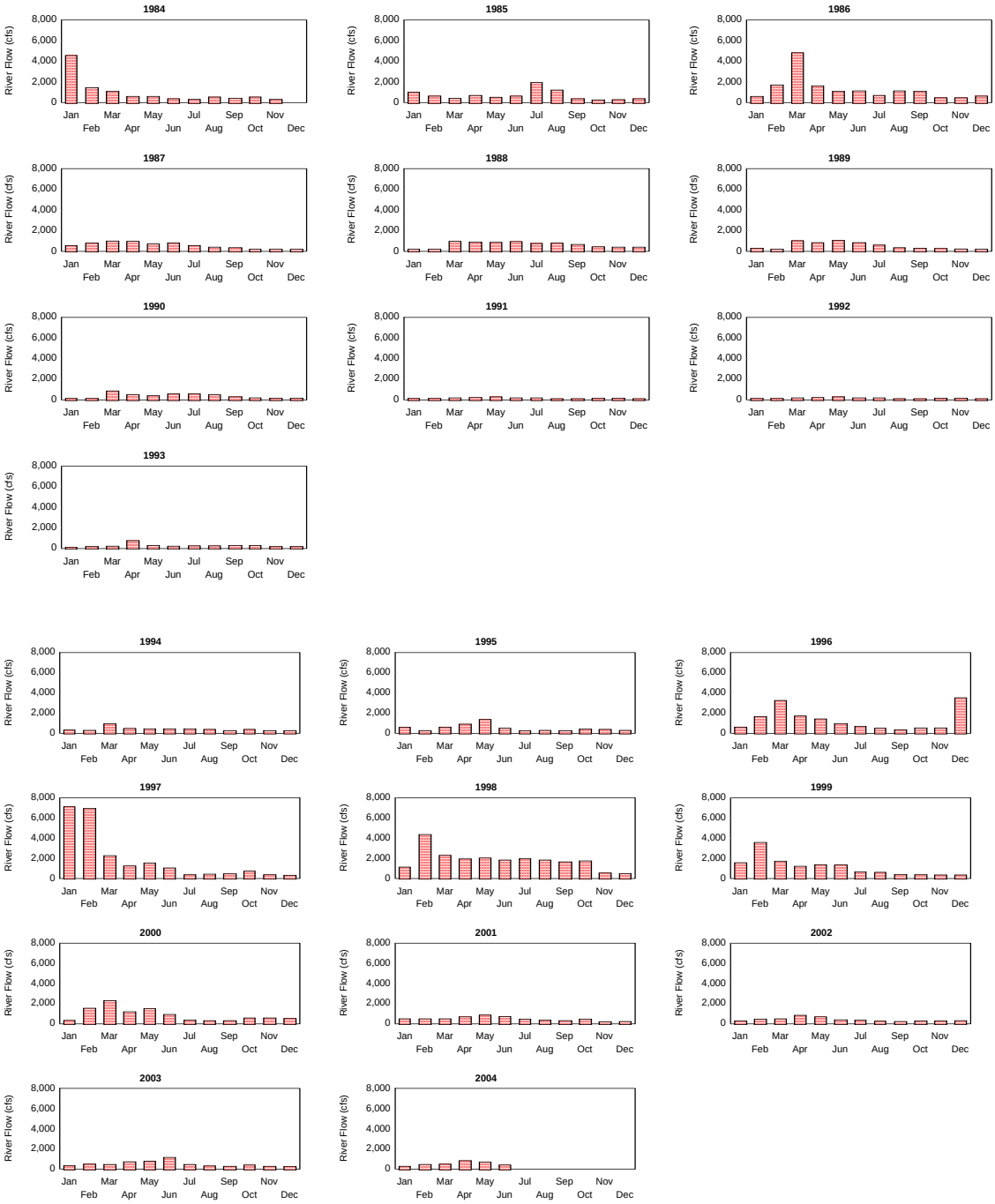
Stanislaus River O. mykiss
Daily Abundance, 1993 - 2004



Section 4. Other Data Collected

2004 Stanislaus River

Daily Average Water Temperature



Stanislaus River Mean Monthly Flow
At Orange Blossom Bridge, 1984-2004