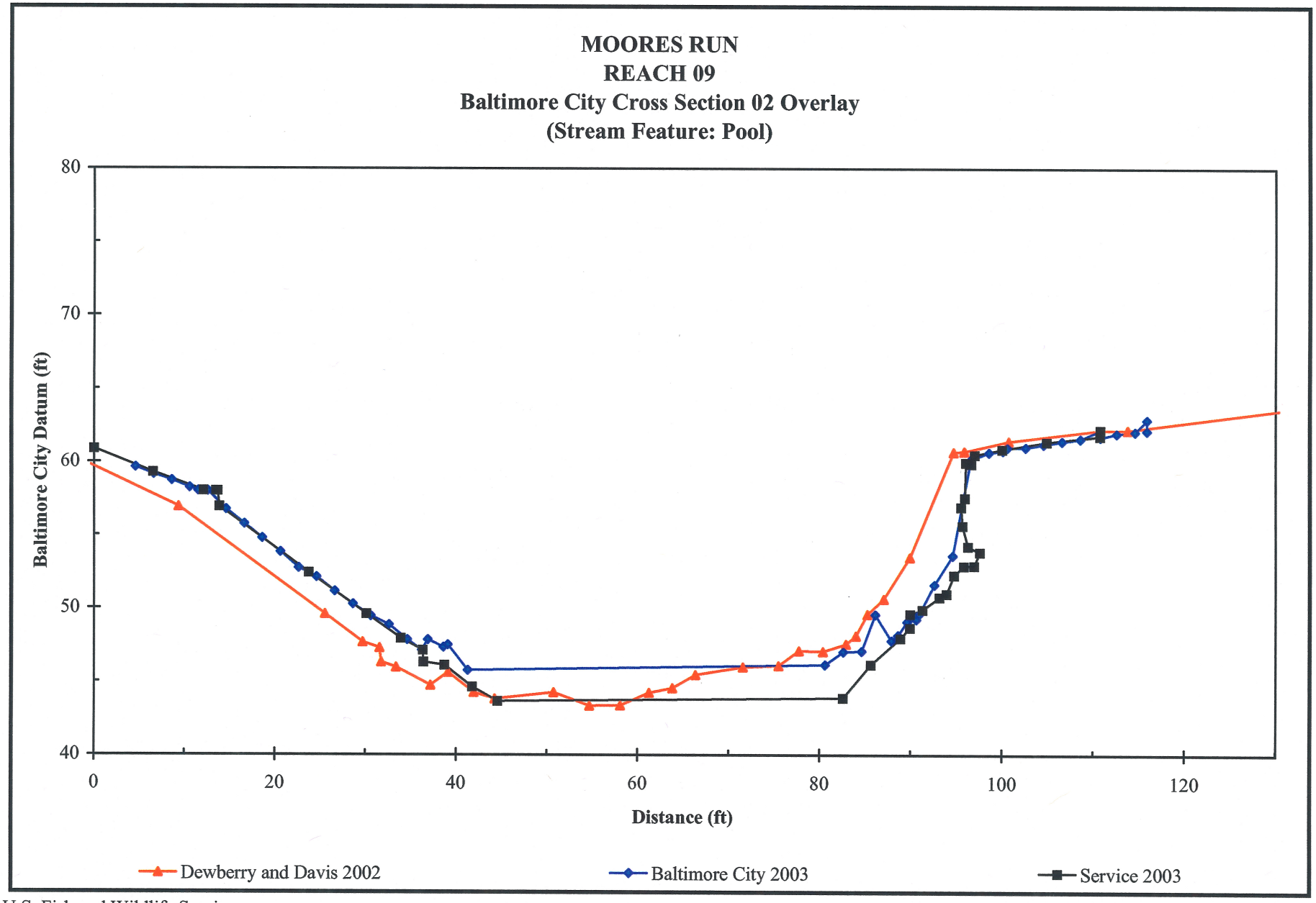
APPENDIX B

MOORES RUN - EXISTING FIELD DATA COMPARISON

CROSS SECTION
OVERLAYS

CROSS SECTION 2 PLOTS



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Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 09 - BALT XS 02 Overlay - Balt. Datum
02/03/04

MOORES RUN - REACH 09

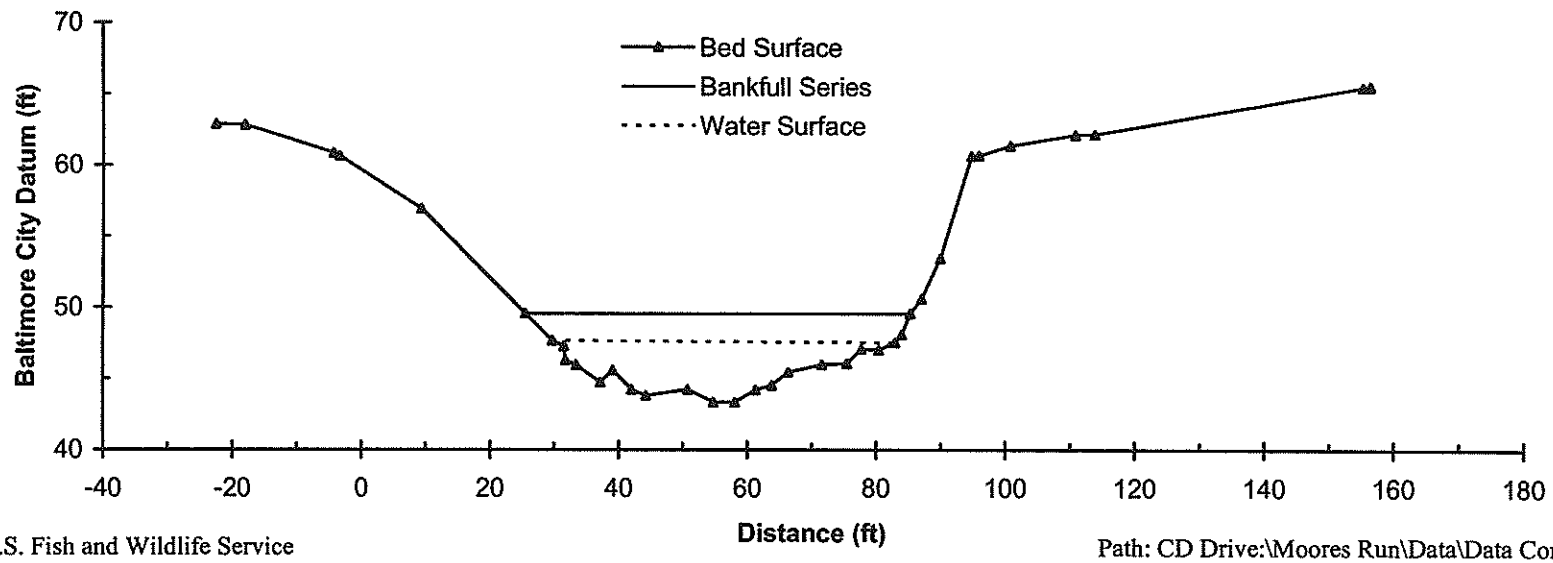
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
59.74	244.30	4.09	6.24	63.29	3.86	Bankfull	
53.21	132.67	2.49	4.27	55.53	2.39	Water Surface	

STREAM:	Moores Run	CREW:	Dewberry and Davis
XS:	Balt. XS 02 (Pool)	DATA:	SLD
DATE:	2002	QA/QC:	CE

MON. COORD.:	LTMON: N: 39° 20' 11.9"	W: 76° 32' 20.7" (+/- 25 ft)
	RTMON: N: 39° 20' 11.3"	W: 76° 32' 21.2" (+/- 15 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
CONC	-22.5	62.87	SG	50.7	44.23
CONC	-18.0	62.82	SG	54.7	43.34
MET FEN	-4.3	60.85	SG	58.1	43.36
	-4.3	60.85	SG	61.3	44.22
	-3.3	60.64	SG	63.8	44.53
WALL	9.3	56.92	SG	66.4	45.45
LBF	25.5	49.58	SG	71.6	45.98
LEW	29.7	47.67	SG	75.5	46.06
CONC	31.6	47.27	SG	77.7	47.08
SG	31.8	46.30	SG	80.4	47.03
SG	33.4	45.96	REW	82.9	47.55
SG	37.2	44.73	TB	84.0	48.11
SG	39.1	45.61	RBF	85.3	49.58
SG	42.0	44.24	TB	87.0	50.62
SG	44.3	43.80	TB	89.9	53.48

Identifier	Distance (ft)	Elevation (ft)
TB	94.7	60.65
	95.9	60.71
MET FEN	95.9	60.71
	100.7	61.40
2" IRON PIP	110.8	62.16
	113.8	62.17
	113.8	62.17
MET FEN	113.8	62.17
	155.3	65.54
	156.4	65.55
	156.4	65.63



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Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 09 - BALT XS 02 Overlay - Balt. Datum
02/03/04

MOORES RUN - REACH 09

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
60.30	175.76	2.91	3.73	64.75	2.71	Bankfull	
53.30	79.44	1.49	2.08	56.80	1.40	Water Surface	

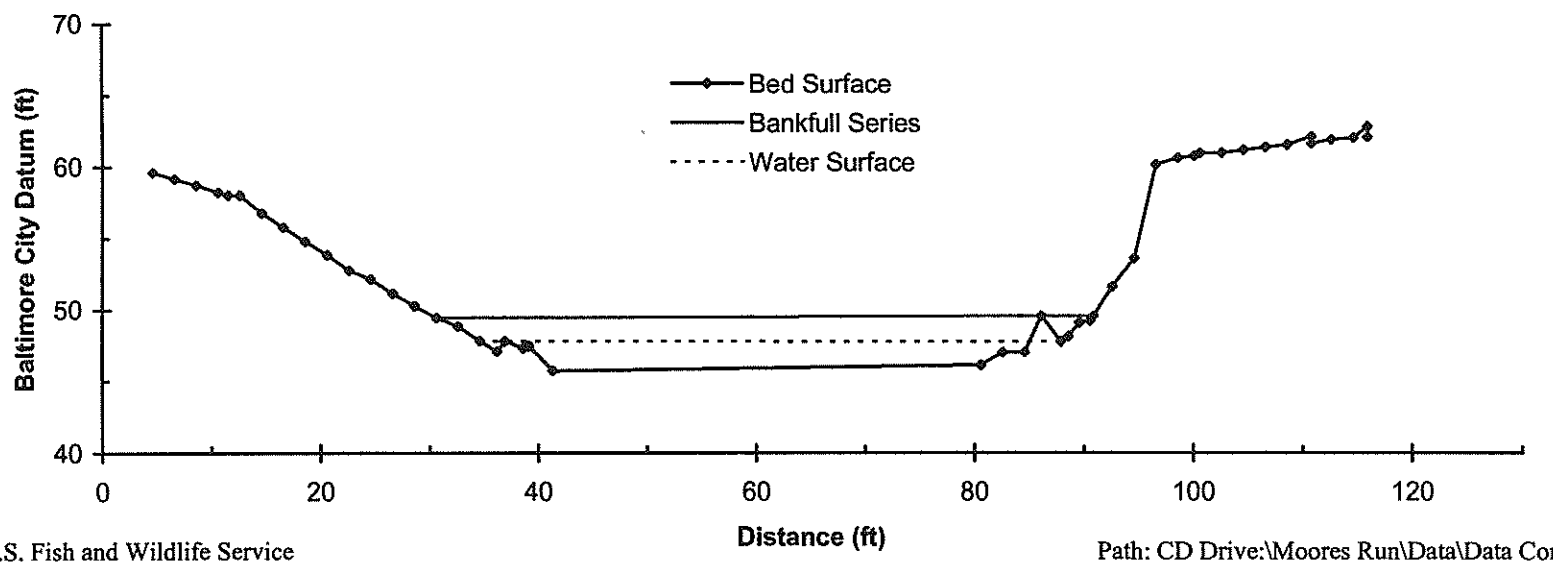
STREAM: Moores Run
XS: Balt. XS 02 (Pool)
DATE: 2003

CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 20' 11.9" W: 76° 32' 20.7" (+/- 25 ft)
RTMON: N: 39° 20' 11.3" W: 76° 32' 21.2" (+/- 15 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Ground "	4.6	59.61	On conc. Slop	32.6	48.85
Ground	6.6	59.14	LEW	34.6	47.83
Ground	8.6	58.72	Edge conc. Sl	36.2	47.10
Ground	10.6	58.22	Top rock	36.9	47.83
Edge conc. Sl	11.5	58.02	Bot rock	38.6	47.32
Cross-cut on	12.6	58.00	Top rock	39.1	47.47
On conc. Slop	14.6	56.74	Bot rock	41.3	45.74
On conc. Slop	16.6	55.75	Bot rock	80.6	46.13
On conc. Slop	18.6	54.78	Bot rock	82.6	47.02
On conc. Slop	20.6	53.83	Bot rock	84.6	47.06
On conc. Slop	22.6	52.75	Top rock	86.1	49.56
On conc. Slop	24.6	52.11	REW	87.9	47.79
On conc. Slop	26.6	51.14	Bot bank	88.6	48.15
On conc. Slop	28.6	50.26	On slope	89.6	49.09
LBF	30.6	49.45	On slope	90.6	49.24

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
RBF	90.9	49.58	Top tape @ r	115.9	62.85
On slope	92.6	51.61	Ground "	115.9	62.12
On slope	94.6	53.60			
Top bank	96.6	60.18			
Ground	98.6	60.64			
Ground @ fe	100.1	60.76			
Ground	100.6	60.96			
Ground	102.6	60.98			
Ground	104.6	61.19			
Ground	106.6	61.39			
Ground	108.6	61.57			
Top 2" cappe	110.8	62.16			
Ground @ "	110.8	61.67			
Ground	112.6	61.93			
Ground	114.6	62.05			



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File: Reach 09 - BALT XS 02 Overlay - Balt. Datum
02/03/04

MOORES RUN - REACH 09

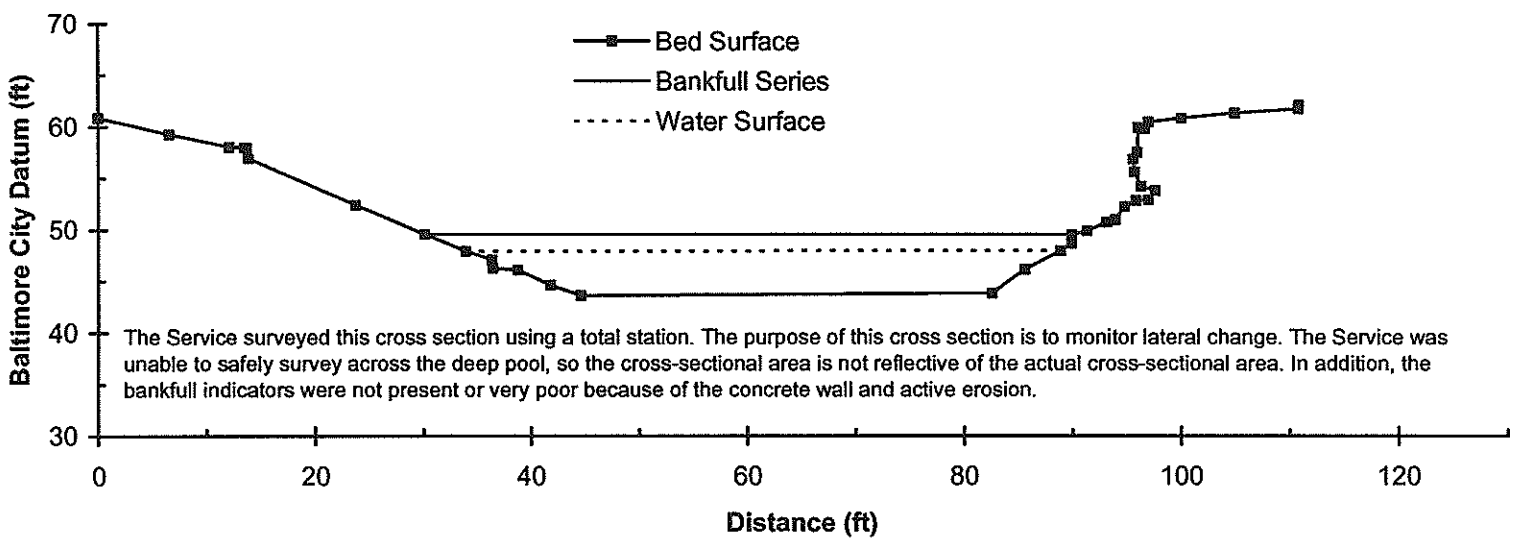
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
59.84	289.64	4.84	5.95	63.90	4.53	Bankfull
54.96	194.74	3.54	4.30	57.57	3.38	Water Surface

STREAM: Moores Run
REACH & XS: Reach 09 - Balt. XS 02 (Pool)
DATE: 10/17/03
CREW: FWS (RRS/SD)
DATA: KR
QA/QC: SLD

MON. COORD.: LTMON: N: 39° 20' 11.9" W: 76° 32' 20.7" (+/- 25 ft)
RTMON: N: 39° 20' 11.3" W: 76° 32' 21.2" (+/- 15 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
GS	0.0	60.87	CS	85.6	46.14
GS	6.5	59.27	REW	88.9	47.95
WALL	12.1	58.03	CS	89.9	48.66
LTMON	13.5	57.99	RBF	89.9	49.58
WALL	13.7	57.99	CS	91.3	49.89
WALL	13.9	56.93	CS	93.2	50.75
WALL	23.7	52.41	GS	93.9	50.97
LBF	30.1	49.58	GS	94.8	52.25
LEW	33.9	47.92	GS	95.8	52.87
WALL	36.3	47.11	GS	97.0	52.91
CS	36.4	46.29	GS	97.6	53.83
CS	38.7	46.09	GS	96.3	54.22
CS	41.8	44.62	GS	95.7	55.64
CS	44.6	43.63	GS	95.5	56.90
CS	82.6	43.86	GS	96.0	57.53

Identifier	Distance (ft)	Elevation (ft)
GS	96.1	59.95
GS	96.7	59.85
GS	97.0	60.47
GS/FL	100.0	60.84
GS	104.9	61.35
RBMON	110.8	61.76
RTMON	110.8	62.16



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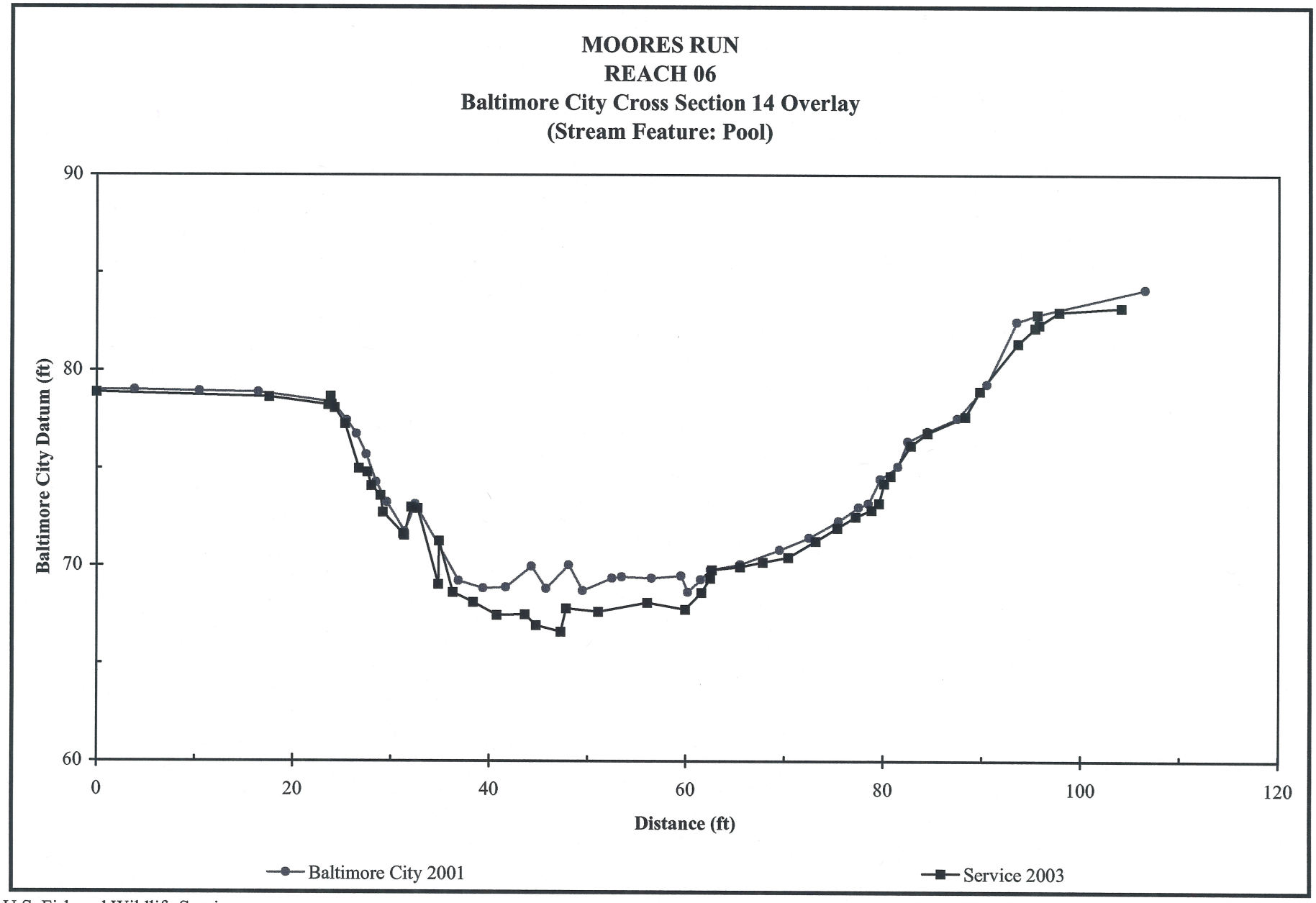
File: Reach 09 - BALT XS 02 Overlay - Balt. Datum
02/03/04

CROSS SECTION 14 PLOTS



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Path: CD Drive:\Moores Run\Data\Data Comparison
File: Reach 06 - BALT XS 14 Overlay - Balt. Datum
02/02/04

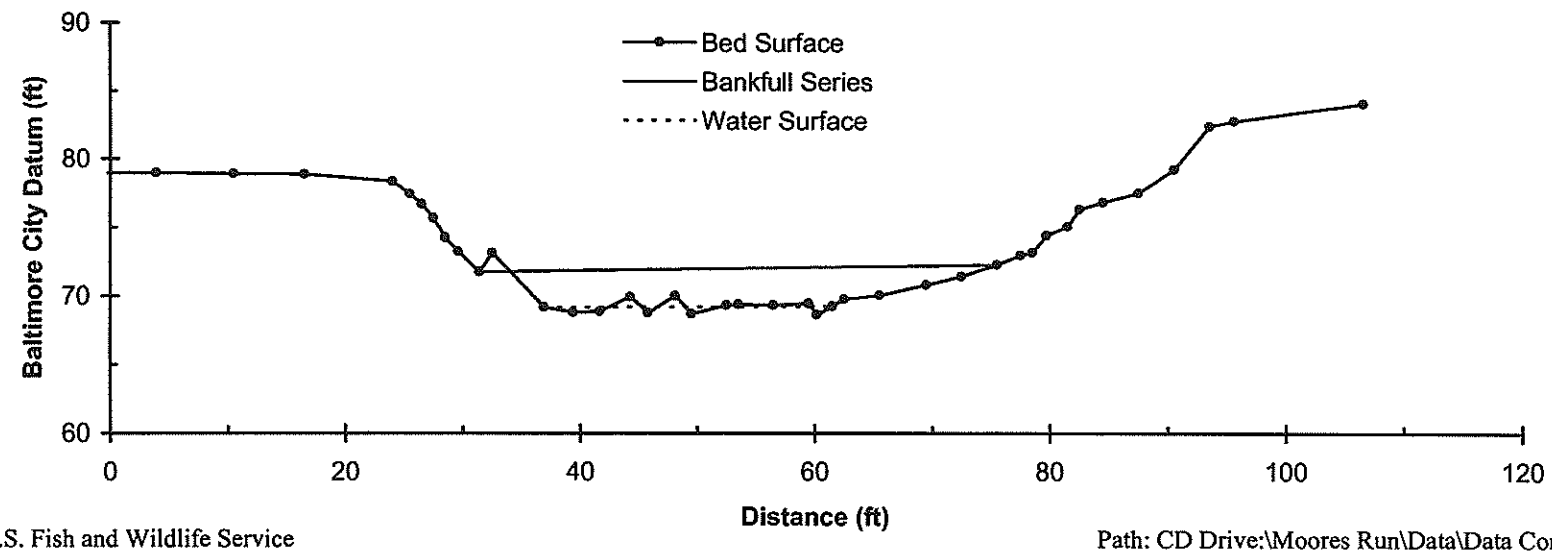
MOORES RUN - REACH 06

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
44.10	90.24	2.05	3.47	48.75	1.85	Bankfull	
24.60	0.29	0.01	0.64	26.69	0.01	Water Surface	

STREAM:	Moores Run	CREW:	Baltimore City
XS:	Balt. XS 14 (Pool)	DATA:	SLD
DATE:	2001	QA/QC:	CE
MON. COORD.:	LTMON: N: 39° 20' 06.9" W: 76° 32' 17.2" (+/- 23 ft)		
	RTMON: N: 39° 20' 06.5" W: 76° 32' 17.8" (+/- 18 ft)		

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
approx level	-3.5	78.99	Rock	44.3	69.96
Left Pin	3.9	78.99		45.8	68.80
	10.5	78.91	Rock	48.1	70.03
	16.5	78.87		49.5	68.70
Top of Bank	24.0	78.37		52.5	69.35
	25.5	77.43		53.5	69.42
	26.5	76.72		56.5	69.34
	27.5	75.67	Thalwag	59.5	69.46
	28.5	74.27	Pool	60.2	68.63
	29.6	73.24	REW	61.5	69.27
LBF	31.4	71.75		62.5	69.79
Top of Rock	32.5	73.14		65.5	70.06
LEW	36.9	69.21		69.5	70.81
	39.4	68.83	Bench	72.5	71.43
	41.7	68.88	RBF	75.5	72.29

Identifier	Distance (ft)	Elevation (ft)
	77.5	72.99
	78.5	73.19
	79.7	74.43
	81.5	75.07
	82.5	76.37
	84.5	76.87
	87.5	77.55
	90.5	79.29
	93.5	82.47
Right Monum	95.6	82.85
1 foot above r	106.5	84.13



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File: Reach 06 - BALT XS 14 Overlay - Balt. Datum
02/02/04

MOORES RUN - REACH 06

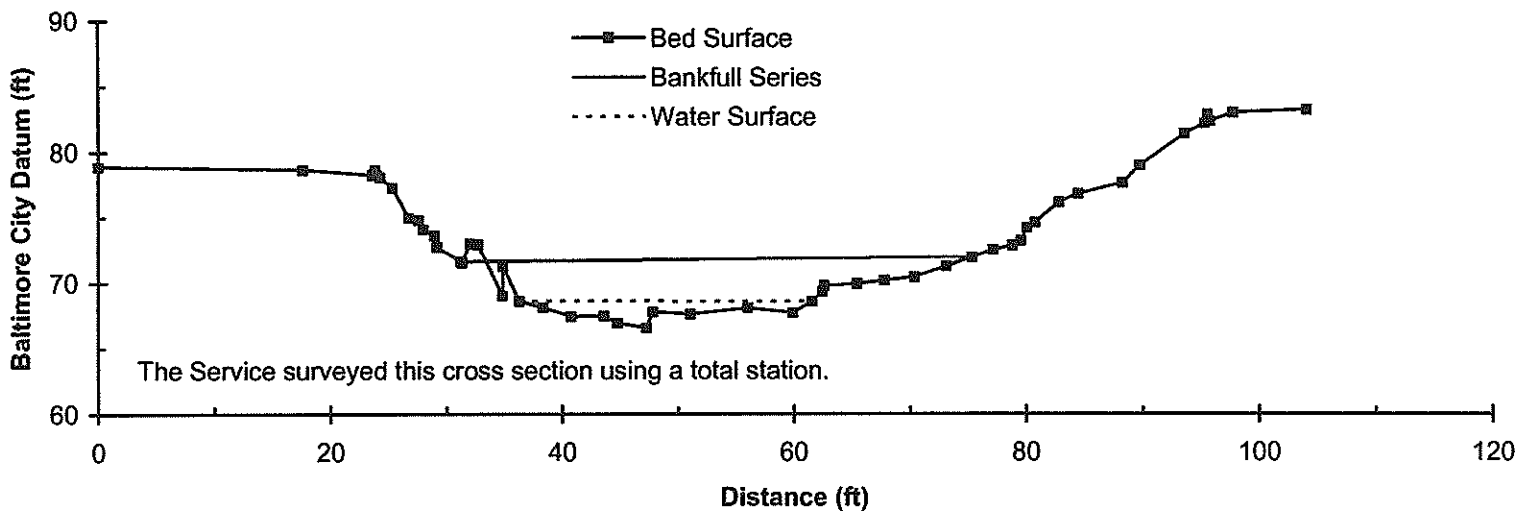
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
44.12	125.09	2.84	5.13	53.21	2.35	Bankfull	
25.27	22.91	0.91	2.02	26.59	0.86	Water Surface	

STREAM:	Moores Run	CREW:	FWS (CE/SD)
REACH & XS:	Reach 06 - Balt. XS 14 (Pool)	DATA:	KR
DATE:	10/07/03	QA/QC:	SLD

MON. COORD.: LTMON: N: 39° 20' 06.9" W: 76° 32' 17.2" (+/- 23 ft)
RTMON: N: 39° 20' 06.5" W: 76° 32' 17.8" (+/- 18 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
GS	0.0	78.87	BLDR	32.7	72.93
GS	17.6	78.62	BLDR	34.8	69.04
LBMON	23.6	78.23	BLDR	34.9	71.26
LTMON	23.9	78.65	LEW	36.3	68.62
LBMON	24.0	78.24	CS	38.4	68.12
LTOB	24.3	78.07	CS	40.8	67.45
SL BRK	25.3	77.25	CS	43.6	67.48
SL BRK	26.8	74.98	CS	44.8	66.93
SL BRK	27.6	74.78	TW	47.3	66.60
SL BRK	28.0	74.09	CS	47.8	67.80
SL BRK	29.0	73.59	CS	51.1	67.62
SL BRK	29.2	72.74	CS	56.1	68.10
LBF	31.2	71.62	CS	59.9	67.75
BLDR	31.4	71.56	REW	61.6	68.61
BLDR	32.1	72.99	SL BRK	62.5	69.35

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
IP	62.6	69.78	SL BRK	93.6	81.36
SL BRK	65.5	69.94	RBMON	95.4	82.16
SL BRK	67.8	70.18	RTMON	95.6	82.85
SL BRK	70.4	70.43	RBMON	95.8	82.33
SL BRK	73.1	71.25	FT TERR	97.8	82.99
RBF	75.4	71.93	GS	104.1	83.19
SL BRK	77.2	72.51			
SL BRK	78.8	72.86			
SL BRK	79.6	73.21			
SL BRK	80.1	74.21			
SL BRK	80.8	74.59			
SL BRK	82.8	76.15			
SL BRK	84.5	76.80			
SL BRK	88.3	77.63			
SL BRK	89.8	78.94			



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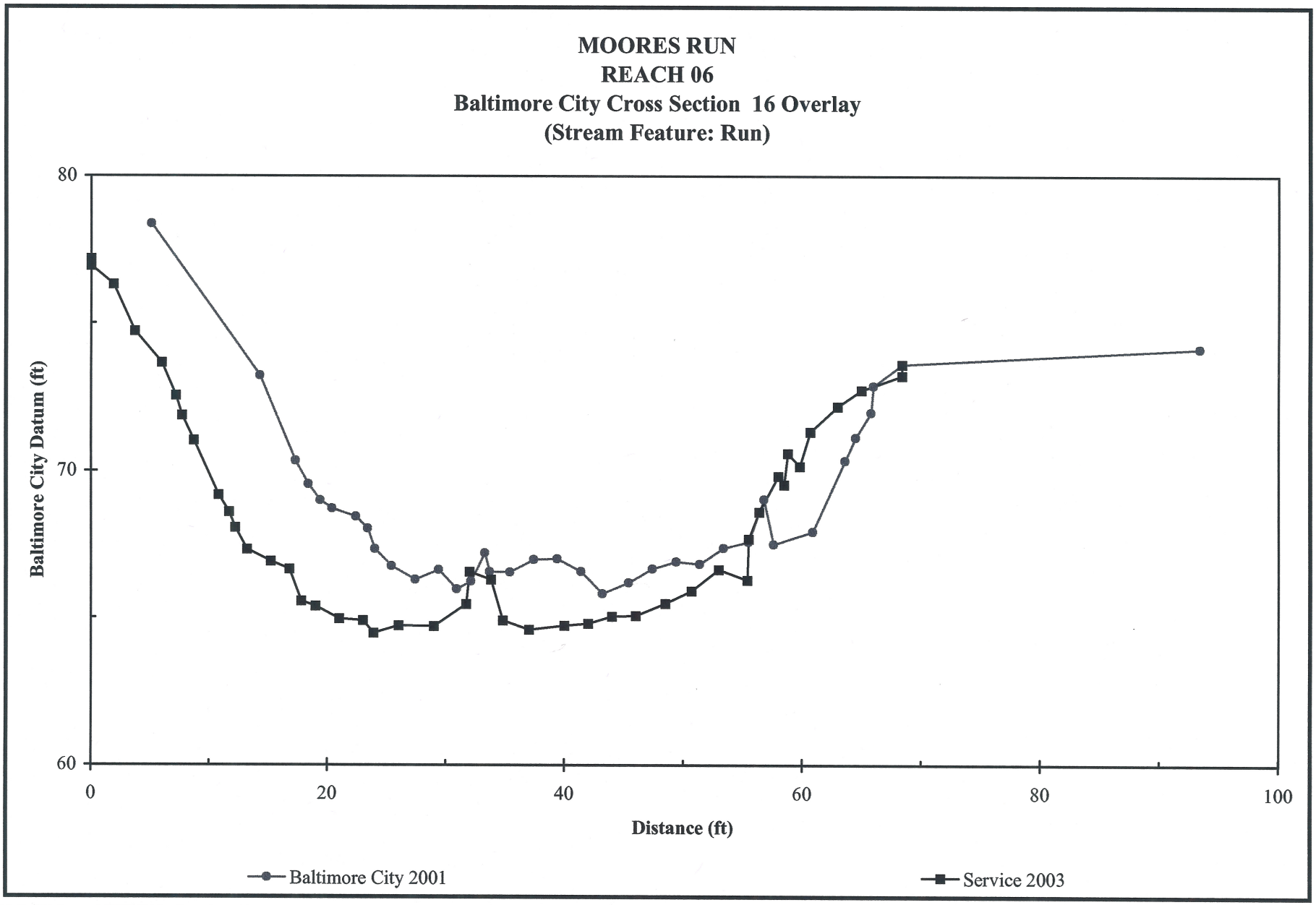
CROSS SECTION 16 PLOTS



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File: Reach 06 - BALT XS 16 Overlay - Revised - Balt. Datum
02/03/04

MOORES RUN - REACH 06

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
46.31	141.91	3.06	4.51	51.14	2.77	Bankfull	
24.00	7.33	0.31	1.04	25.27	0.29	Water Surface	

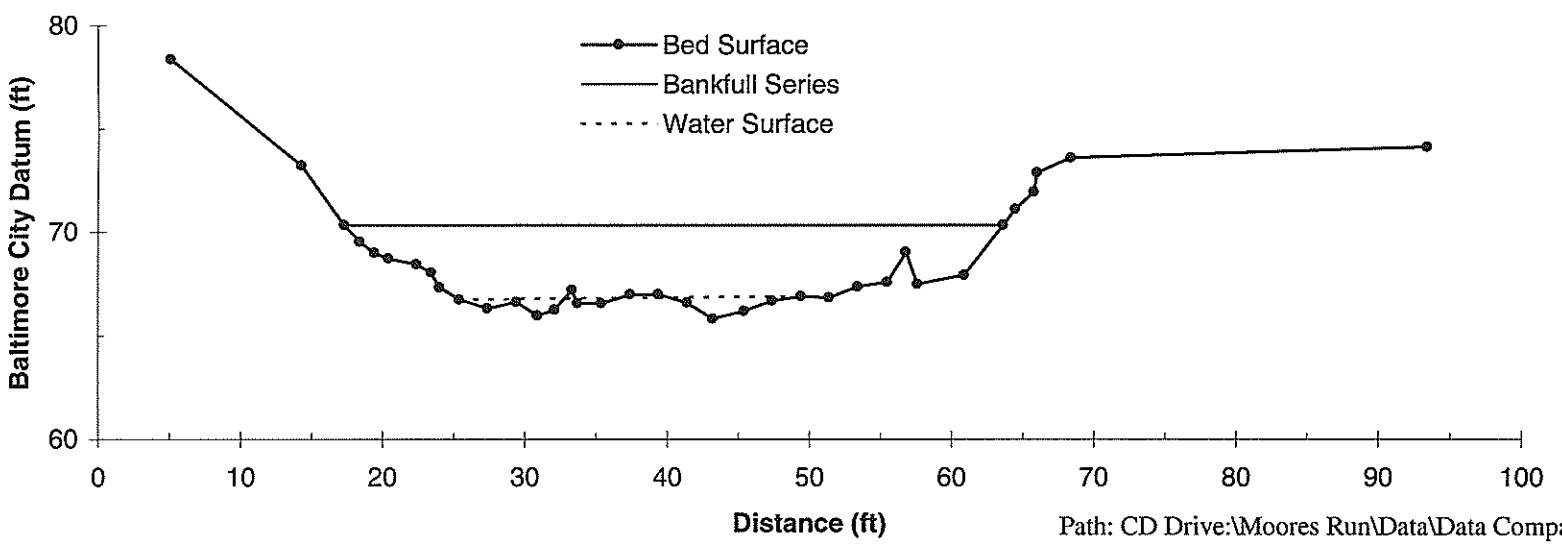
STREAM: Moores Run
REACH & XS: Balt. XS 16 (Run)
DATE: 2001

CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 20' 04.8" W: 76° 32' 15.6" (+/- 21 ft)
RTMON: N: 39° 20' 04.8" W: 76° 32' 16.2" (+/- 18 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
	5.1	78.37		33.7	66.56
LPIN	14.3	73.21		35.4	66.54
LBF	17.3	70.33		37.4	66.97
	18.4	69.53		39.4	67.00
	19.4	68.99		41.4	66.57
	20.4	68.71		43.2	65.82
	22.4	68.43		45.4	66.19
	23.4	68.03		47.4	66.66
	24.0	67.33	REW	49.4	66.90
LEW	25.4	66.75		51.4	66.82
	27.4	66.29		53.4	67.37
	29.4	66.62		55.5	67.58
	30.9	65.97		56.8	69.02
	32.1	66.23		57.6	67.49
	33.3	67.19		60.9	67.92

Identifier	Distance (ft)	Elevation (ft)			
RBF	63.6	70.33			
	64.5	71.12			
	65.8	71.96			
	66.0	72.87			
RPIN	68.4	73.60			
	93.4	74.13			



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03/10/04

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MOORES RUN - REACH 06

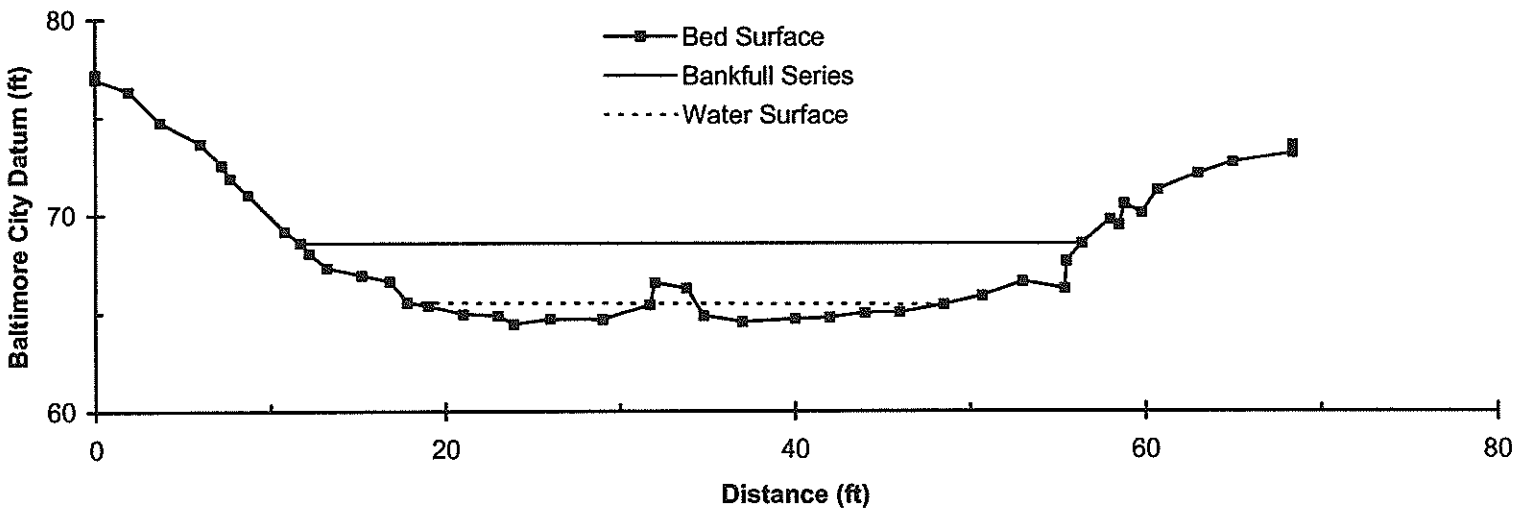
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
44.70	135.93	3.04	4.12	49.51	2.75	Bankfull
30.70	14.95	0.49	1.07	32.63	0.46	Water Surface

STREAM: Moores Run
REACH & XS: Reach 06 - Balt. XS 16 (Run)
DATE: 10/07/03
CREW: FWS (RRS, KDR)
DATA: SLD
QA/QC: KR

MON. COORD.: LTMON: N: 39° 20' 04.8" W: 76° 32' 15.6" (+/- 21 ft)
RTMON: N: 39° 20' 04.8" W: 76° 32' 16.2" (+/- 18 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
LBMON	0.0	76.93	LEW	17.8	65.56
LTMON	0.0	77.17	CS	19.0	65.39
LBMON	0.0	76.93	CS	21.0	64.96
FT TERR	1.9	76.31	CS	23.0	64.90
GS	3.7	74.72	CS	23.9	64.47
GS	6.0	73.65	CS	26.0	64.73
GS	7.2	72.54	CS	29.0	64.70
GS	7.7	71.87	BLDR	31.7	65.45
GS	8.7	71.03	BLDR	32.0	66.56
SL BRK	10.8	69.17	BLDR	33.8	66.29
LBF	11.7	68.59	BLDR	34.8	64.90
SL BRK (SL	12.2	68.06	CS	37.0	64.59
SL BRK	13.2	67.32	CS	40.0	64.73
CS	15.2	66.92	CS	42.0	64.79
IP	16.8	66.65	CS	44.0	65.04

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
CS	46.0	65.06	RTMON	68.4	73.60
REW	48.5	65.48	RBMON	68.4	73.22
CS	50.7	65.91			
CS	53.0	66.64			
BLDR	55.4	66.28			
BLDR	55.5	67.68			
RBF	56.4	68.59			
BLDR	58.0	69.81			
BLDR	58.5	69.52			
BLDR	58.8	70.59			
GS	59.8	70.14			
BLDR	60.7	71.32			
GS	63.0	72.17			
GS	65.0	72.73			
RBMON	68.4	73.22			



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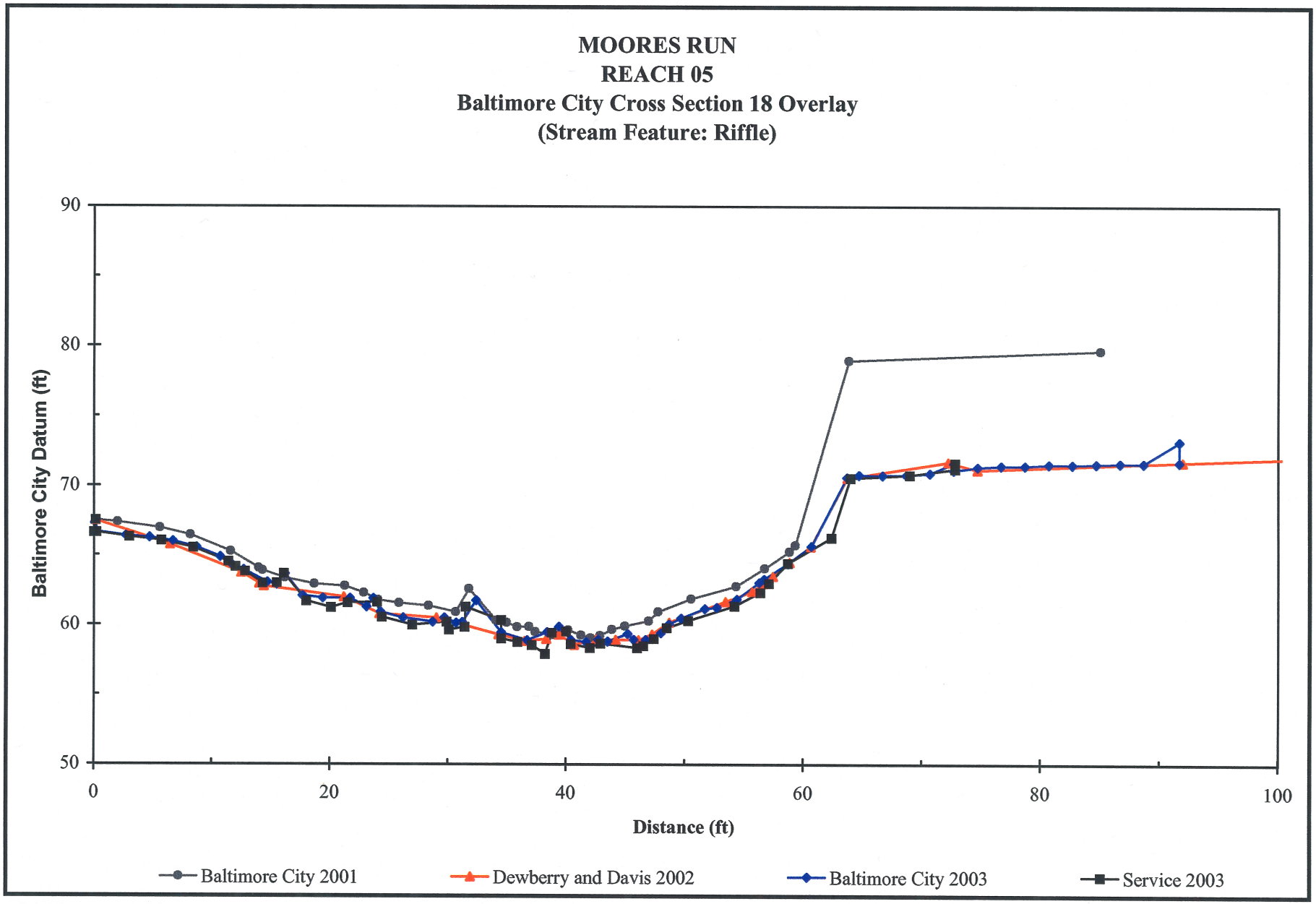
Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 06 - BALT XS 16 Overlay - Revised - Balt. Datum
02/03/04

CROSS SECTION 18 PLOTS



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Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 05 - BALT XS 18 Overlay - Revised - Balt. Datum
01/29/04

MOORES RUN - REACH 05

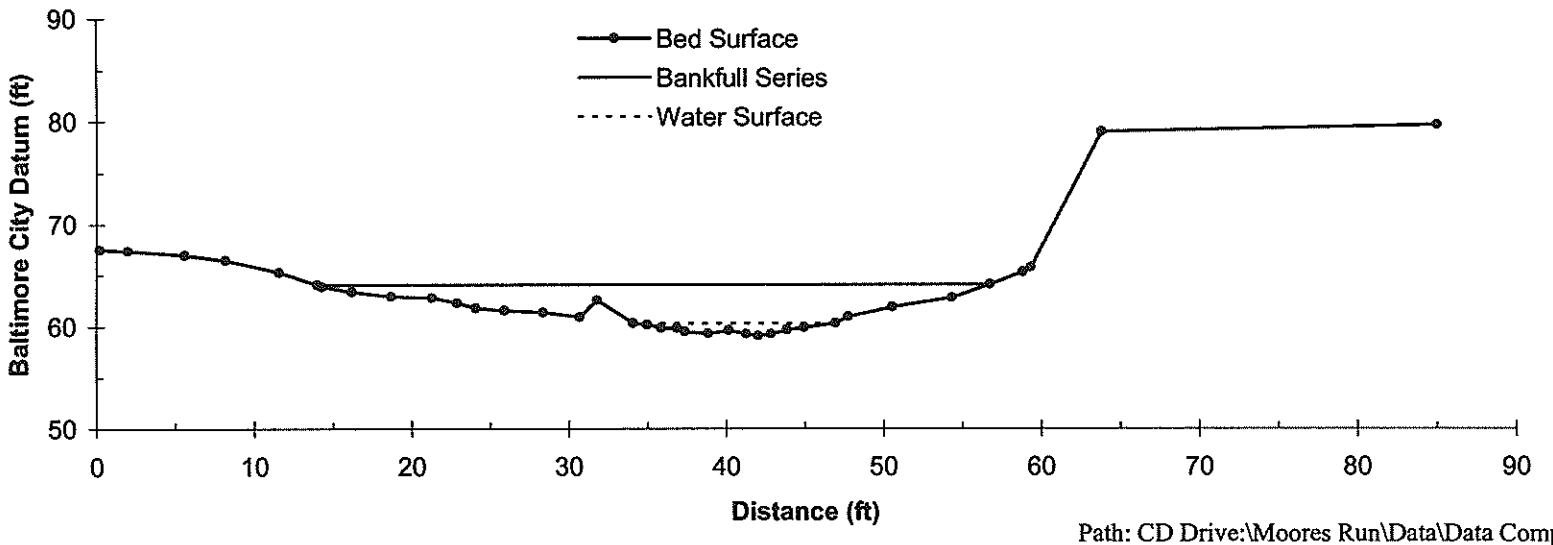
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
42.76	112.13	2.62	5.00	46.28	2.42	Bankfull
12.89	8.15	0.63	1.24	13.39	0.61	Water Surface

STREAM:	Moores Run	CREW:	Baltimore City
XS:	Balt. XS 18 (Riffle)	DATA:	SLD
DATE:	2001	QA/QC:	CE

MON. COORD.: LTMON: N: 39° 20' 03.1" W: 76° 32' 14.2" (+/- 21 ft)
RTMON: N: 39° 20' 02.7" W: 76° 32' 14.9" (+/- 17 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Left Pin steep	0.2	67.49	Top of a boul	31.8	62.55
	2.0	67.36	LEW	34.1	60.29
Grass Top of	5.6	66.94		35.0	60.13
	8.2	66.43		35.9	59.83
	11.6	65.25		36.9	59.84
LBF	14.0	64.04		37.4	59.47
	14.3	63.89		38.9	59.26
Bankfull Hec	16.2	63.35		40.2	59.60
Dirt	18.7	62.91		41.3	59.24
Dirt	21.3	62.76		42.1	59.04
Rock	22.9	62.26		42.9	59.21
Rock	24.1	61.75	Riffle	43.9	59.65
Rock	25.9	61.53	Riffle	45.0	59.89
Rock Bankful	28.4	61.33	REW	47.0	60.27
Bottom of bo	30.7	60.90	Rock	47.8	60.93

Identifier	Distance (ft)	Elevation (ft)
Rock	50.6	61.86
Rock	54.4	62.76
RBF	56.8	64.04
Rock Root	58.9	65.25
Right Pin at (	59.4	65.71
Top of Bank	63.8	78.93
approx elev	85.0	79.63



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File: Reach 05 - BALT XS 18 Overlay - Revised - Balt. Datum
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MOORES RUN - REACH 05

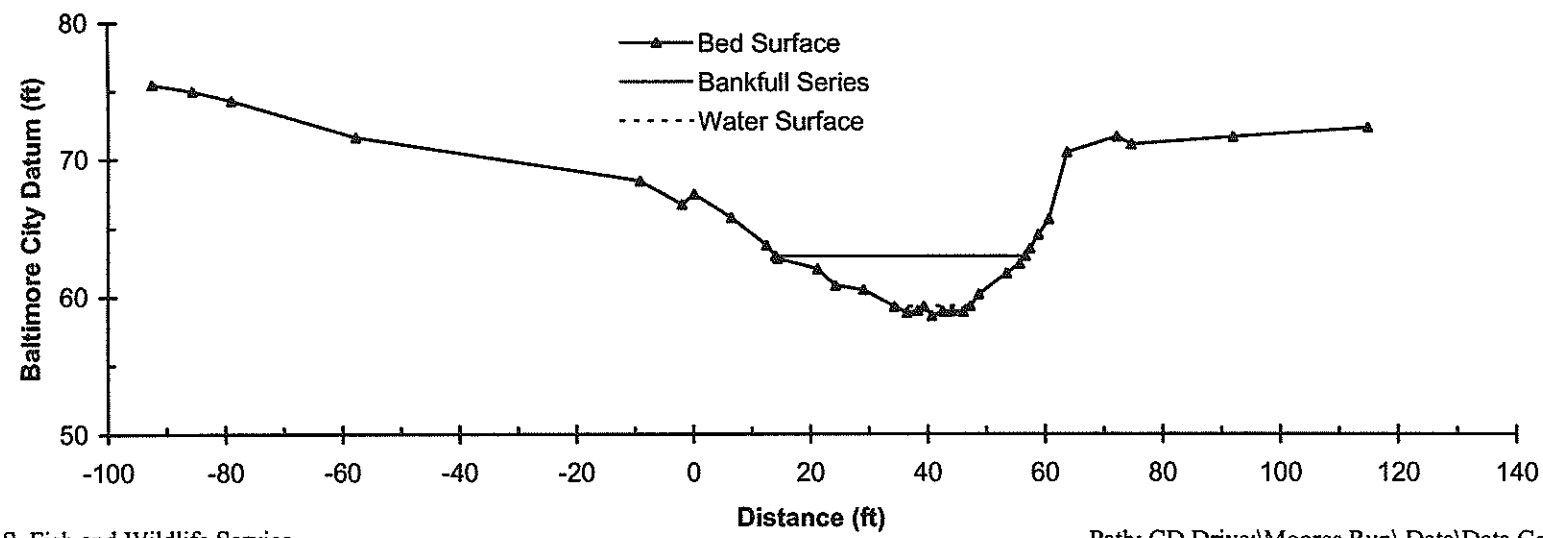
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
42.64	105.20	2.47	4.40	44.25	2.38	Bankfull	
12.98	4.51	0.35	0.73	13.37	0.34	Water Surface	

STREAM: Moores Run
XS: Balt. XS 18 (Riffle)
DATE: 2002
CREW: Dewberry and Davis
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 20' 03.1" W: 76° 32' 14.2" (+/- 21 ft)
RTMON: N: 39° 20' 02.7" W: 76° 32' 14.9" (+/- 17 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
TC	-92.5	75.46	LEW	34.3	59.28
ROD WITH	-85.6	74.96	SG	36.5	58.82
SG	-78.9	74.27	SG	38.3	58.96
TOE	-57.7	71.58	SG	39.4	59.28
TB	-9.1	68.44	SG	40.7	58.56
	-9.1	68.44	SG	42.6	58.93
TOE	-2.0	66.69	SG	44.2	58.92
2" IRON PIP	0.2	67.47	SG	46.1	58.89
TB	6.5	65.75	REW	47.3	59.30
TB	12.5	63.74	TB	48.7	60.16
LBF	14.0	62.96	TB	53.5	61.66
TOE	14.4	62.75	TOE	55.7	62.38
TB	21.2	61.98	RBF	56.6	62.96
TOE	24.2	60.77	TB	57.5	63.49
TOE	29.0	60.47	TB	58.9	64.50

Identifier	Distance (ft)	Elevation (ft)
TOE	60.6	65.62
TB	63.7	70.52
2" IRON PIP	72.2	71.67
SG	74.7	71.11
ROD WITH	92.0	71.67
WOOD	114.9	72.35



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File: Reach 05 - BALT XS 18 Overlay - Revised - Balt. Datum
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MOORES RUN - REACH 05

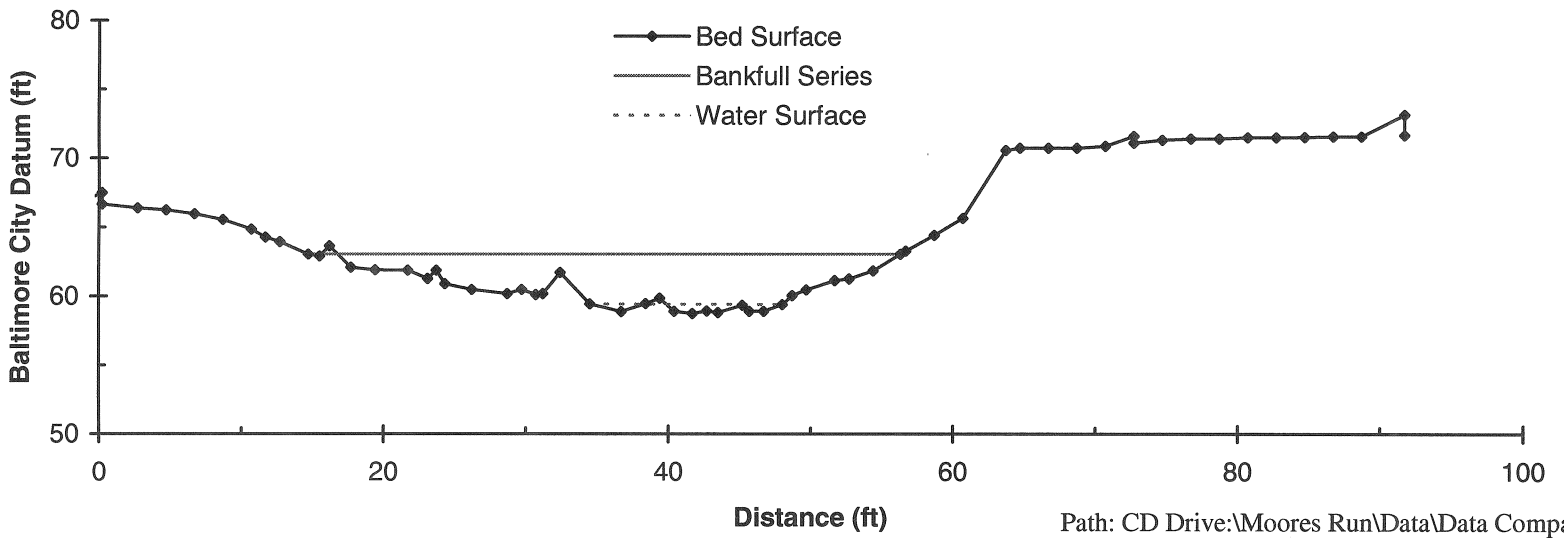
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
41.60	102.18	2.46	4.29	47.38	2.16	Bankfull	
13.50	4.26	0.32	0.68	14.51	0.29	Water Surface	

STREAM: Moores Run
REACH & XS: Balt. XS 18 (Riffle)
DATE: 2003
CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 20' 03.1" W: 76° 32' 14.2" (+/- 21 ft)
RTMON: N: 39° 20' 02.7" W: 76° 32' 14.9" (+/- 17 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Top tape @	-17.3	70.14	Ground	8.7	65.55
Ground "	-17.3	69.14	Ground	10.7	64.85
Ground	-15.3	69.04	Ground	11.7	64.28
Ground	-13.3	68.91	Ground	12.7	63.94
Ground	-11.3	68.74	LBF	14.7	63.03
Ground	-9.3	68.51	Bottom bank	15.5	62.89
Ground	-7.3	68.14	Top rock	16.2	63.64
Ground	-5.3	67.59	Bottom rock	17.7	62.08
Ground	-3.3	67.18	Dirt	19.4	61.91
Ground	-1.3	66.79	Dirt	21.7	61.88
Top 2" cappe	0.2	67.49	Bottom rock	23.1	61.27
Ground @ "	0.2	66.66	Top	23.7	61.87
Ground	2.7	66.38	Bottom rock	24.3	60.89
Ground	4.7	66.25	Dirt	26.2	60.49
Ground	6.7	65.97	Bottom rock	28.7	60.18

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Dirt	29.7	60.49	REW	48.0	59.40
Bottom rock	30.7	60.12	On slope	48.7	60.04
Bottom rock	31.2	60.17	" " edge	49.7	60.46
Top rock	32.4	61.72	" " @ rc	51.7	61.14
LEW	34.5	59.44	" " @ rc	52.7	61.24
In stream on	36.7	58.87	" " @ rc	54.4	61.83
Bottom rock	38.4	59.45	RBF	56.3	63.03
Top rock	39.4	59.86	" " @ rc	56.7	63.28
Bottom rock	40.4	58.89	" " edge	58.7	64.40
In stream on	41.7	58.74	On slope	60.7	65.63
In stream	42.7	58.92	Top bank	63.7	70.57
" " @	43.5	58.80	Ground	64.7	70.74
Top Rock	45.2	59.34	"	66.7	70.72
Bottom " in	45.7	58.91	"	68.7	70.74
In stream	46.7	58.91	"	70.7	70.87



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MOORES RUN - REACH 05
Distance (ft)

Identifier	Dist. (ft)	Elev.(ft)			
Top capped p	72.7	71.59			
Ground @ "	72.7	71.10			
Ground	74.7	71.31			
Ground	76.7	71.40			
"	78.7	71.41			
"	80.7	71.50			
"	82.7	71.49			
"	84.7	71.52			
"	86.7	71.57			
"	88.7	71.57			
Top Tape @	91.7	73.15			
Ground "	91.7	71.66			
Balt. XS 18 Baltimore City 2003 data - Page 2 of 2					

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Chesapeake Bay Field Office

Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 05 - BALT XS 18 Overlay - Revised - Balt. Datum
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MOORES RUN - REACH 05

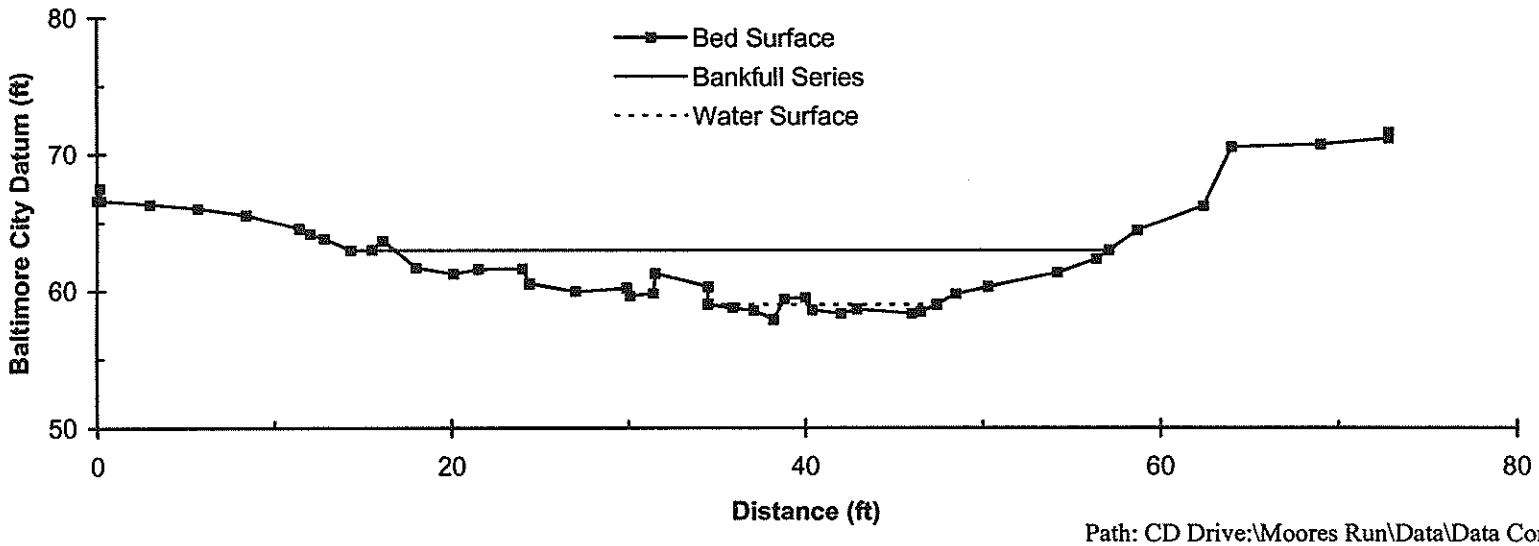
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
41.62	113.64	2.73	5.09	49.94	2.28	Bankfull	
12.90	4.49	0.35	1.10	14.99	0.30	Water Surface	

STREAM: Moores Run
REACH & XS: Reach 05 - Balt. XS 18 (Riffle)
DATE: 10/03/03
CREW: FWS (MAS, KDR)
DATA: SLD
QA/QC: KR

MON. COORD.: LTMON: N: 39° 20' 03.1" W: 76° 32' 14.2" (+/- 21 ft)
RTMON: N: 39° 20' 02.7" W: 76° 32' 14.9" (+/- 17 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
LBMON	0.0	66.61	ROCK	24.0	61.60
LTMON	0.2	67.49	CS	24.4	60.54
LBMON	0.2	66.61	CS	27.0	59.97
GS	3.0	66.31	CS	29.9	60.20
GS	5.7	66.03	CS	30.1	59.62
SL BRK	8.4	65.52	CS	31.4	59.82
ROOT	11.4	64.52	BLDR	31.5	61.27
SL BRK	12.0	64.16	BLDR	34.5	60.31
SL BRK	12.8	63.81	CS	34.5	59.01
SL BRK	14.3	62.95	LEW	34.5	58.99
LBF	15.5	62.98	CS	35.9	58.74
ROCK	16.1	63.66	CS	37.1	58.53
CS	18.0	61.67	TW	38.2	57.89
CS	20.1	61.22	ROCK	38.8	59.40
CS	21.5	61.57	ROCK	40.0	59.50

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
CS	40.4	58.59	RBMON	72.8	71.18
CS	42.0	58.33	RTMON	72.8	71.60
CS	42.9	58.66			
CS	46.0	58.34			
CS	46.5	58.47			
REW	47.4	59.00			
IP	48.5	59.77			
SL BRK	50.3	60.29			
SL BRK	54.2	61.33			
SL BRK	56.4	62.32			
RBF	57.1	62.98			
GS	58.7	64.42			
GS	62.4	66.24			
RTOB	64.0	70.52			
GS	69.0	70.74			



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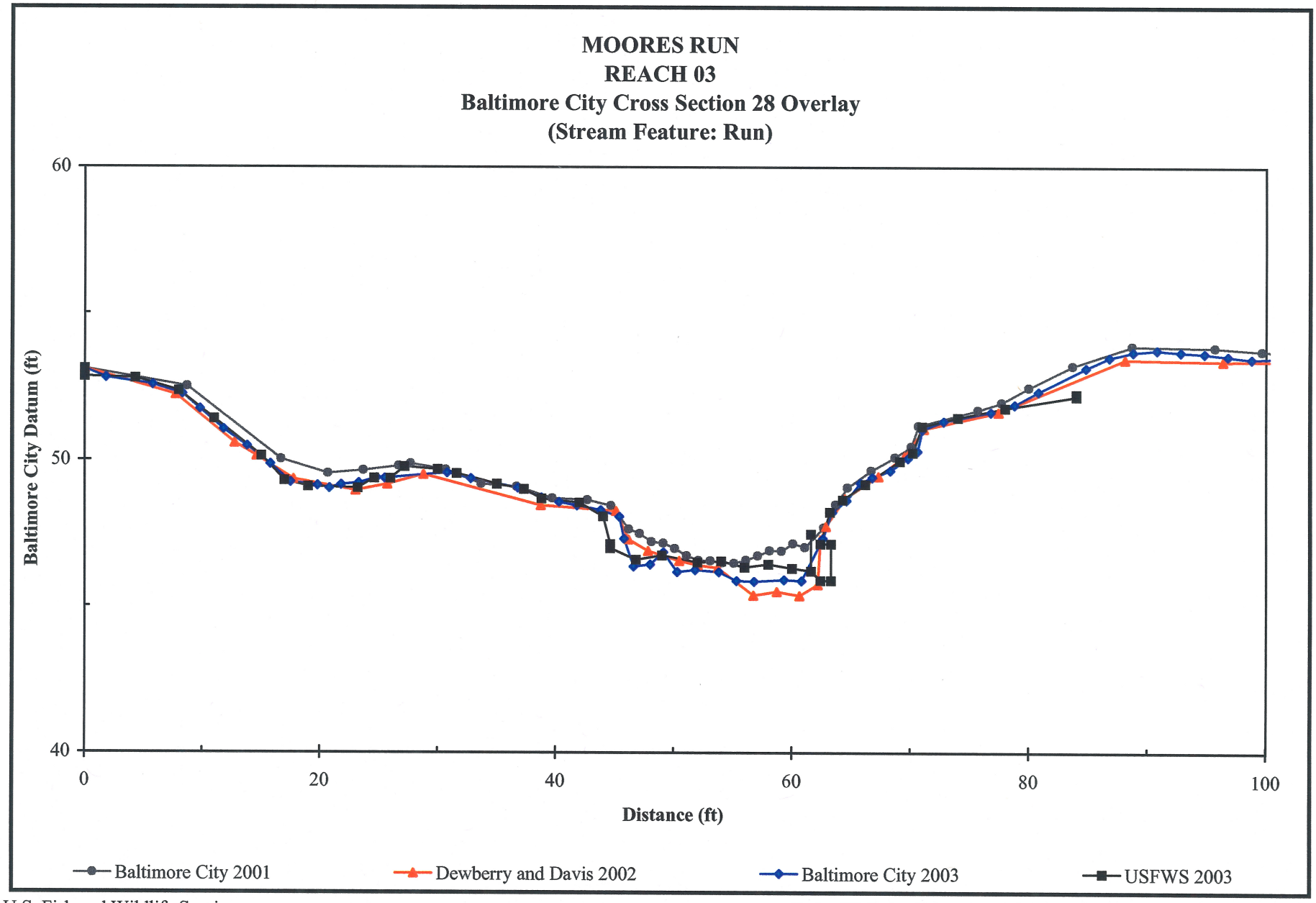
CROSS SECTION 28 PLOTS



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File: Reach 03 - BALT XS 28 Overlay - Balt. Datum
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MOORES RUN - REACH 03

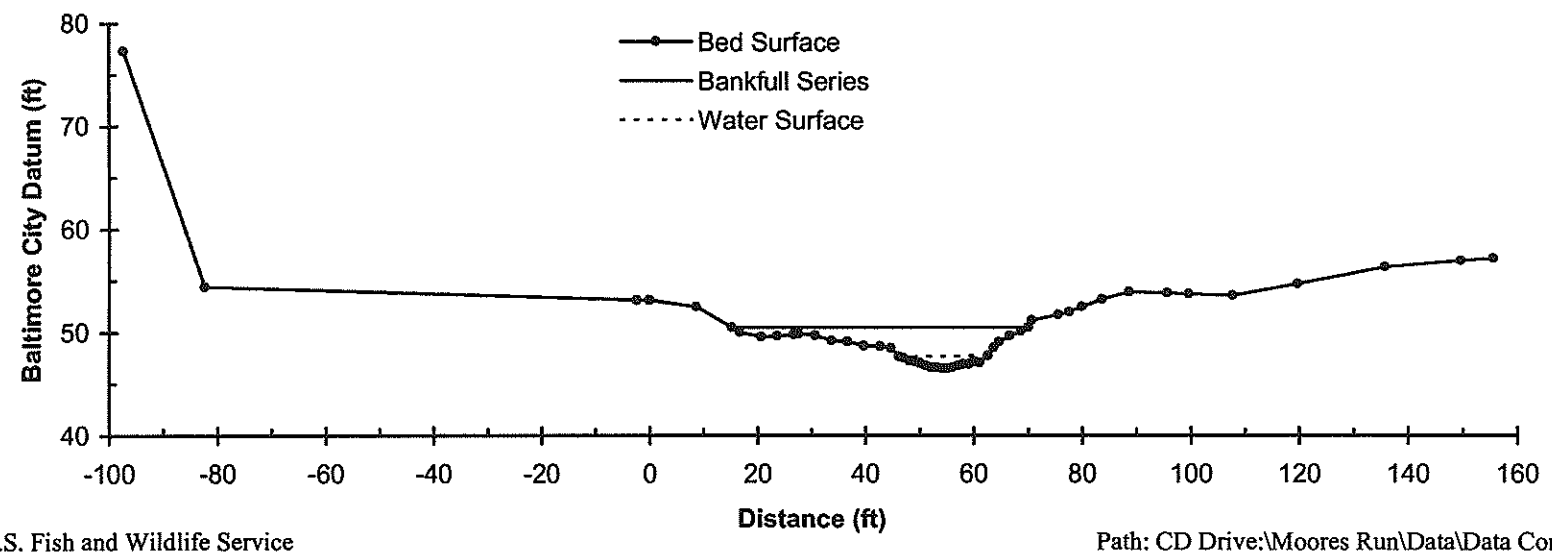
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
54.82	101.62	1.85	3.99	56.14	1.81	Bankfull	
16.50	12.24	0.74	1.19	16.82	0.73	Water Surface	

STREAM: Moores Run
XS: Balt. XS 28 (Run)
DATE: 2001
CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 53.1" W: 76° 32' 06.6" (+/- 19 ft)
RTMON: N: 39° 19' 52.3" W: 76° 32' 07.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
West curb of	-97.3	77.29		42.7	48.63
At the bottom	-82.3	54.42		44.7	48.43
Ground Leve	-2.3	53.12	LEW	46.2	47.63
Monument (I	0.0	53.10		47.1	47.48
Left Bankfull	8.7	52.50		48.1	47.20
LBF	15.3	50.46		49.1	47.16
Secondary Cl	16.7	50.02		50.1	46.97
	20.7	49.53		51.1	46.73
	23.7	49.63		52.1	46.56
	26.7	49.79		53.1	46.55
	27.7	49.87		54.1	46.48
	30.7	49.66	Thawleg	55.1	46.47
	33.7	49.17		56.1	46.57
	36.7	49.08		57.1	46.73
	39.7	48.69		58.1	46.90

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
	59.1	46.89		95.7	53.83
	60.1	47.14		99.7	53.72
	61.1	47.01		107.7	53.60
REW	62.7	47.69		119.7	54.72
	63.7	48.48		135.7	56.39
	64.7	49.06		149.7	57.02
	66.7	49.64		155.7	57.27
	68.7	50.09			
RBF	70.1	50.46			
Out of Chann	70.7	51.17			
	75.7	51.70			
	77.7	51.96			
Top of West	80.0	52.47			
	83.7	53.21			
	88.7	53.88			



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MOORES RUN - REACH 03

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
54.90	110.61	2.01	4.77	57.74	1.92	Bankfull	
16.23	19.02	1.17	1.92	17.84	1.07	Water Surface	

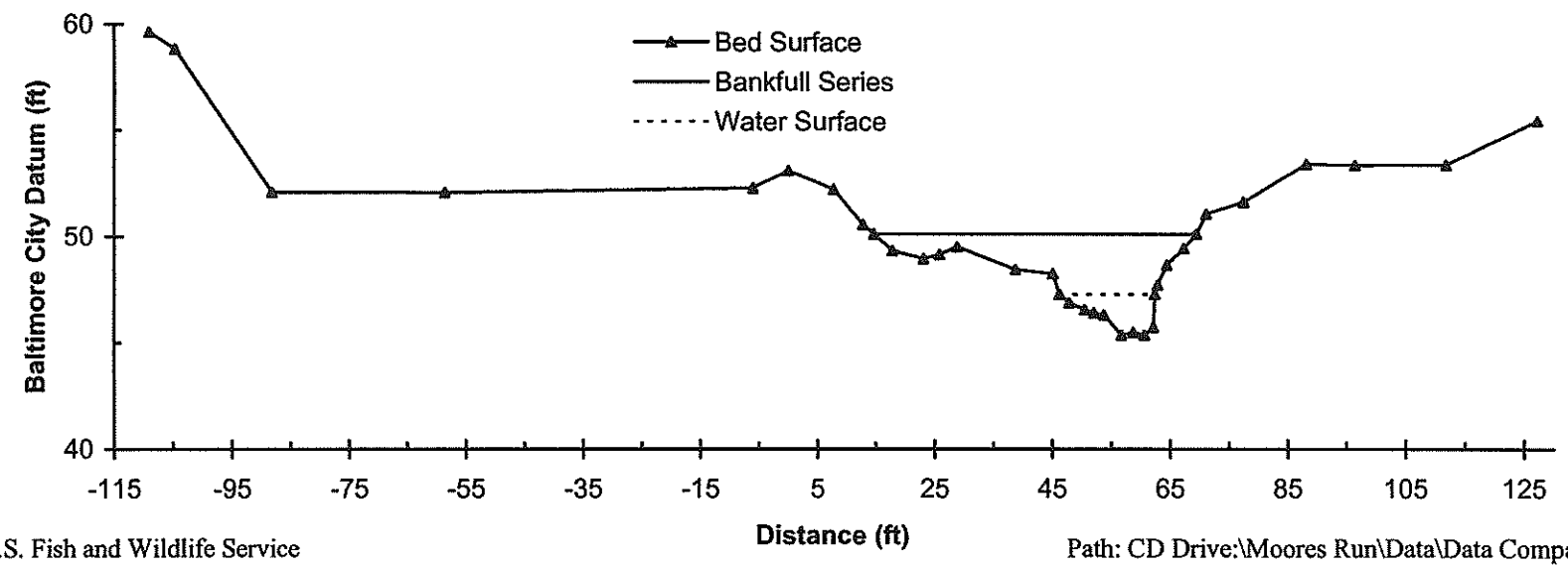
STREAM: Moores Run
XS: Balt. XS 28 (Run)
DATE: 2002

CREW: Dewberry and Davis
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 53.1" W: 76° 32' 06.6" (+/- 19 ft)
RTMON: N: 39° 19' 52.3" W: 76° 32' 07.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
TC	-109.1	59.63	LEW	46.2	47.28
TB	-104.7	58.83	SG	47.8	46.89
ROD WITH I	-88.2	52.07	SG	50.5	46.55
SG	-58.7	52.05	SG	52.0	46.40
SG	-6.0	52.27	HIGH	53.7	46.31
2" IRON PIP	0.0	53.10	LOW	56.7	45.37
TB	7.7	52.22	HIGH	58.7	45.50
SG	12.8	50.57	SG	60.6	45.36
LBF	14.6	50.13	TOE	62.2	45.74
TOE	17.8	49.34	REW	62.4	47.28
SG	23.0	48.95	TB	62.9	47.73
TOE	25.7	49.16	SG	64.5	48.68
TB	28.8	49.50	TOE	67.3	49.44
TOE	38.8	48.44	RBF	69.5	50.13
TB	45.1	48.26	TB	71.2	51.06

Identifier	Distance (ft)	Elevation (ft)
	77.4	51.63
TOE	77.5	51.63
TB	88.1	53.43
ROD WITH I	96.4	53.37
TOE	111.8	53.41
TB	127.3	55.46



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File: Reach 03 - BALT XS 28 Overlay - Balt. Datum
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MOORES RUN - REACH 03

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
54.00	96.08	1.78	4.17	56.62	1.70	Bankfull
16.80	18.48	1.10	1.48	18.04	1.02	Water Surface

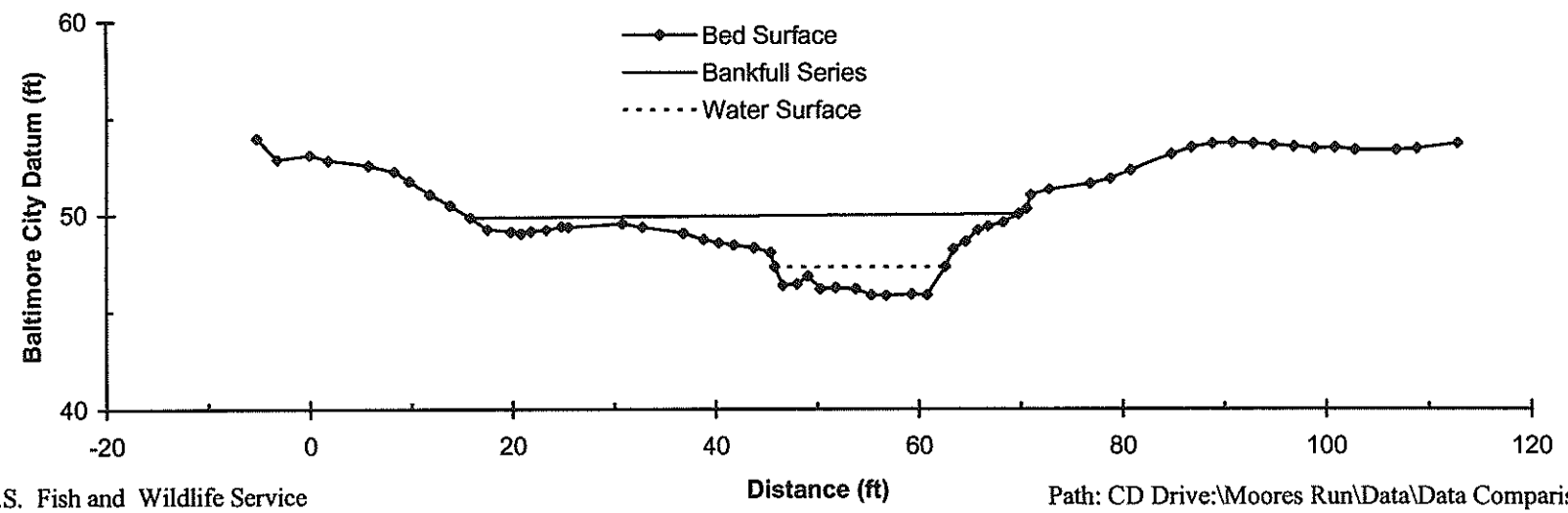
STREAM: Moores Run
XS: Balt. XS 28 (Run)
DATE: 2003

CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 53.1" W: 76° 32' 06.6" (+/- 19 ft)
RTMON: N: 39° 19' 52.3" W: 76° 32' 07.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
On rock bottc	-5.2	53.96	" "	24.8	49.38
" " "	-3.2	52.85	" "	25.5	49.37
" " "	0.0	53.10	" "	30.8	49.55
Edge " "	1.8	52.80	Top bank	32.8	49.36
In stream	5.8	52.56	Ground	36.8	49.05
" "	8.3	52.25	"	38.8	48.71
" "	9.8	51.74	"	40.3	48.56
Edge rock bo	11.8	51.04	"	41.8	48.44
Edge " "	13.8	50.47	"	43.8	48.28
LBF	15.8	49.86	"	45.4	48.06
	17.5	49.24	LEW	45.8	47.31
Top bank	19.8	49.12	"	46.6	46.36
On slope	20.8	49.03	"	48.0	46.42
" "	21.8	49.15	"	49.1	46.84
" "	23.3	49.21	"	50.3	46.17

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
"	51.8	46.24		72.8	51.32
"	53.8	46.17		76.8	51.63
"	55.3	45.87		78.8	51.89
"	56.8	45.84		80.8	52.32
"	59.3	45.90		84.8	53.14
"	60.8	45.87		86.8	53.50
REW	62.6	47.32		88.8	53.68
Ground "	63.4	48.22		90.8	53.75
	64.6	48.61		92.8	53.68
	65.8	49.22		94.8	53.63
	66.8	49.40		96.8	53.54
	68.3	49.63		98.8	53.45
RBF	69.8	50.06		100.8	53.49
	70.6	50.30		102.8	53.38
	71.0	51.03		106.8	53.38



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File: Reach 03 - BALT XS 28 Overlay - Balt. Datum
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MOORES RUN - REACH 03

Identifier	Dist. (ft)	Elev.(ft)			
	108.8	53.45			
	112.8	53.72			
Balt. XS 28 Balt. City 2003 data - Page 2 of 2					

MOORES RUN - REACH 03

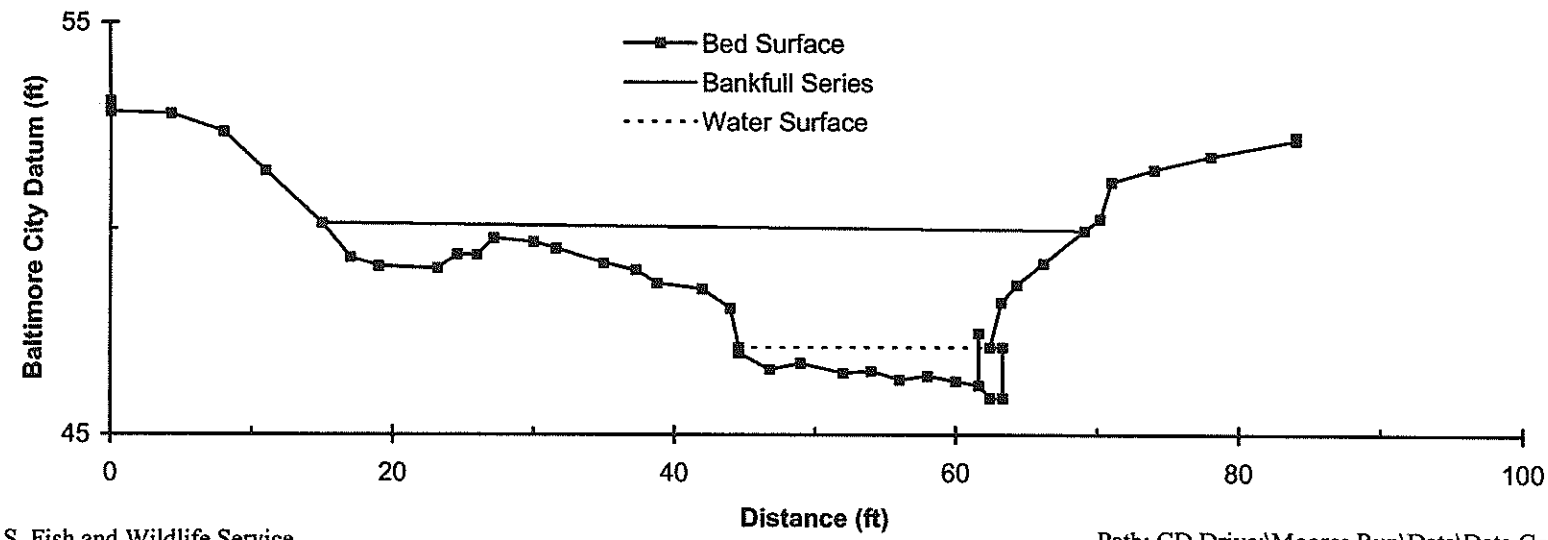
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
54.10	101.14	1.87	4.10	61.70	1.64	Bankfull
17.80	12.29	0.69	1.25	23.66	0.52	Water Surface

STREAM: Moores Run
REACH & XS: Reach 03 - Balt. XS 28 (Run)
DATE: 10/03/03
CREW: FWS (SLD, RRS)
DATA: SLD
QA/QC: KR

MON. COORD.: LTMON: N: 39° 19' 53.1" W: 76° 32' 06.6" (+/- 19 ft)
RTMON: N: 39° 19' 52.3" W: 76° 32' 07.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
LBMON	0.0	52.83	CS	35.0	49.17
LTMON	0.0	53.10	SL BRK	37.3	49.00
LBMON	0.0	52.83	SL BRK	38.8	48.67
GS	4.3	52.78	CS	42.0	48.54
LTOB	8.0	52.35	IP	44.0	48.07
CS	11.0	51.40	LEW	44.6	47.12
LBF	15.0	50.13	CS	44.6	46.98
CS	17.0	49.30	CS	46.8	46.59
CS	19.0	49.09	CS	49.0	46.74
CS	23.2	49.03	CS	52.0	46.49
CS	24.6	49.37	CS	54.0	46.54
CS	26.0	49.36	CS	56.0	46.33
CS	27.2	49.76	CS	58.0	46.43
CS	30.0	49.67	CS	60.0	46.30
CS	31.6	49.53	BPIN	61.6	46.20

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
TPIN	61.6	47.47	RTMON	84.0	52.24
BPIN	61.6	46.20	RBMON	84.0	52.24
TW	62.4	45.88			
UNDERCUT	63.3	45.88			
UNDERCUT	63.3	47.13			
REW	62.4	47.13			
IP	63.2	48.22			
SL BRK	64.3	48.64			
SL BRK	66.2	49.17			
RBF	69.1	49.96			
SL BRK	70.2	50.25			
RTOB	71.0	51.14			
GS	74.0	51.44			
GS	78.0	51.77			
RBMON	84.0	52.16			



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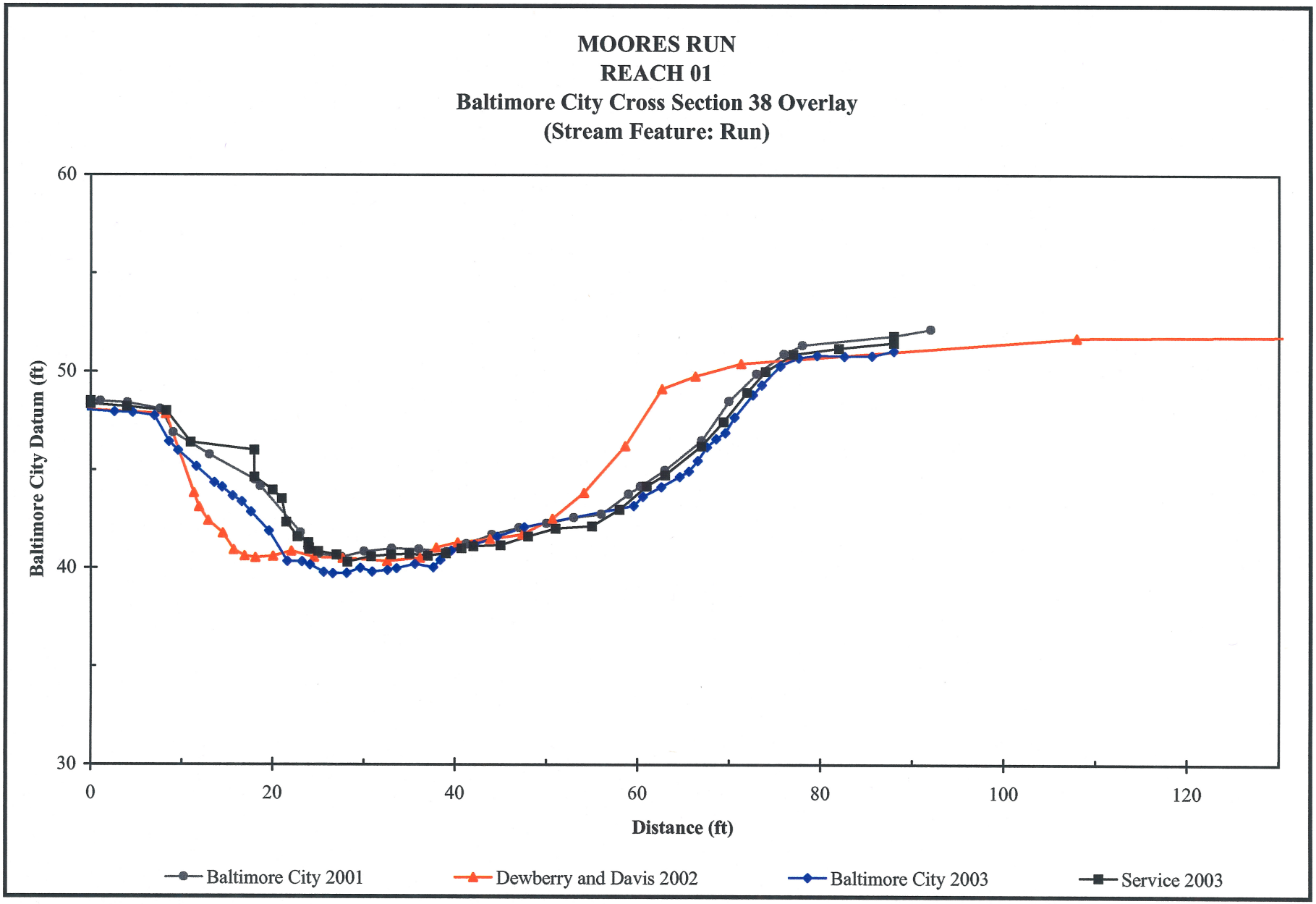
01/30/04

CROSS SECTION 38 PLOTS



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Chesapeake Bay Field Office

Path: CD Drive:\Moores Run\Data\Data Comparison\Cross Sections
File: Reach 01 - BALT XS 38 Overlay - Revised - Balt. Datum
01/29/04

MOORES RUN - REACH 01

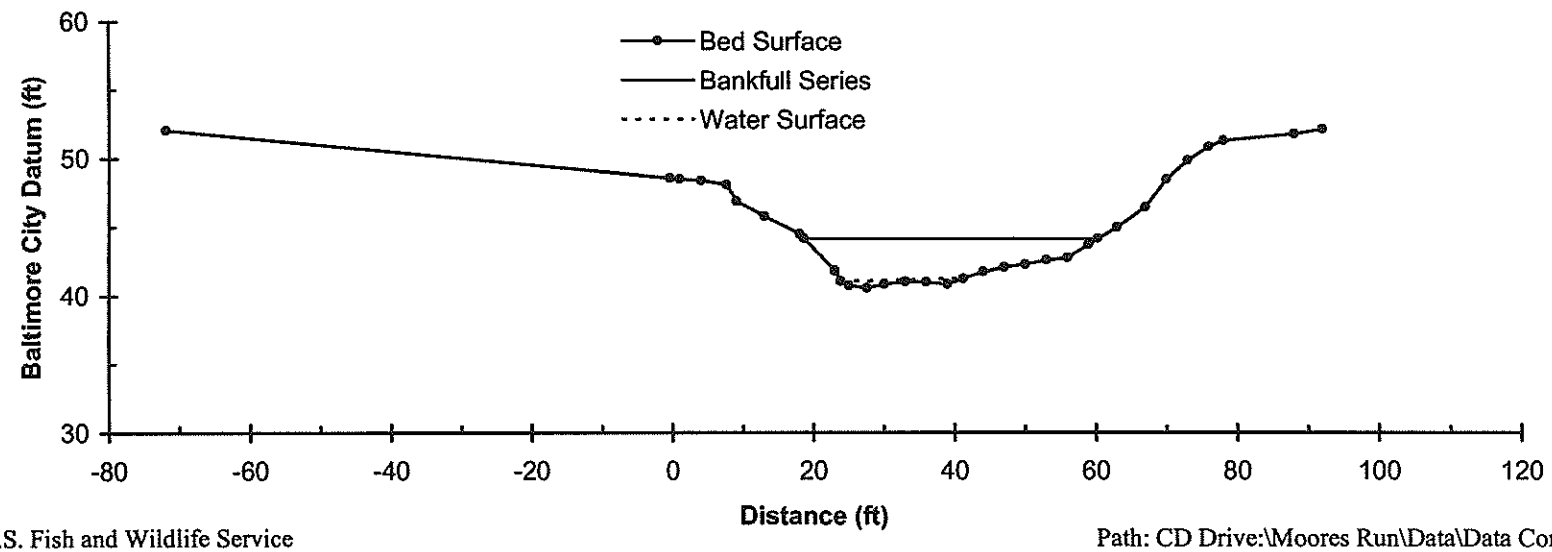
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
41.65	97.78	2.35	3.60	42.99	2.27	Bankfull
17.39	4.68	0.27	0.51	17.49	0.27	Water Surface

STREAM: Moores Run
XS: Balt. XS 38 (Run)
DATE: 2001
CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 46.6" W: 76° 32' 03.6" (+/- 19 ft)
RTMON: N: 39° 19' 46.1" W: 76° 32' 04.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Grass Field	-71.9	52.03		36.0	40.95
At Monumen	-0.3	48.56		39.0	40.80
Bush	1.1	48.48	REW	41.2	41.23
Bush	4.1	48.39		44.0	41.70
Top of bank	7.7	48.08		47.0	42.04
Soil Bushes	9.1	46.89		50.0	42.27
Soil Bushes	13.1	45.76		53.0	42.56
Soil Bushes	18.1	44.48	Bed, sand roc	56.0	42.73
LBF	18.7	44.15	Soil	59.0	43.76
Soil Bushes	23.1	41.79	RBF	60.3	44.15
LEW	23.9	41.01	Soil	63.0	44.97
	25.1	40.71	Soil	67.0	46.48
	27.6	40.55	Soil	70.0	48.49
	30.1	40.83		73.0	49.87
	33.1	40.98	Bank top	76.0	50.88

Identifier	Distance (ft)	Elevation (ft)
Right Pin	78.0	51.33
West Monum	88.0	51.81
Fence	92.0	52.14



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MOORES RUN - REACH 01

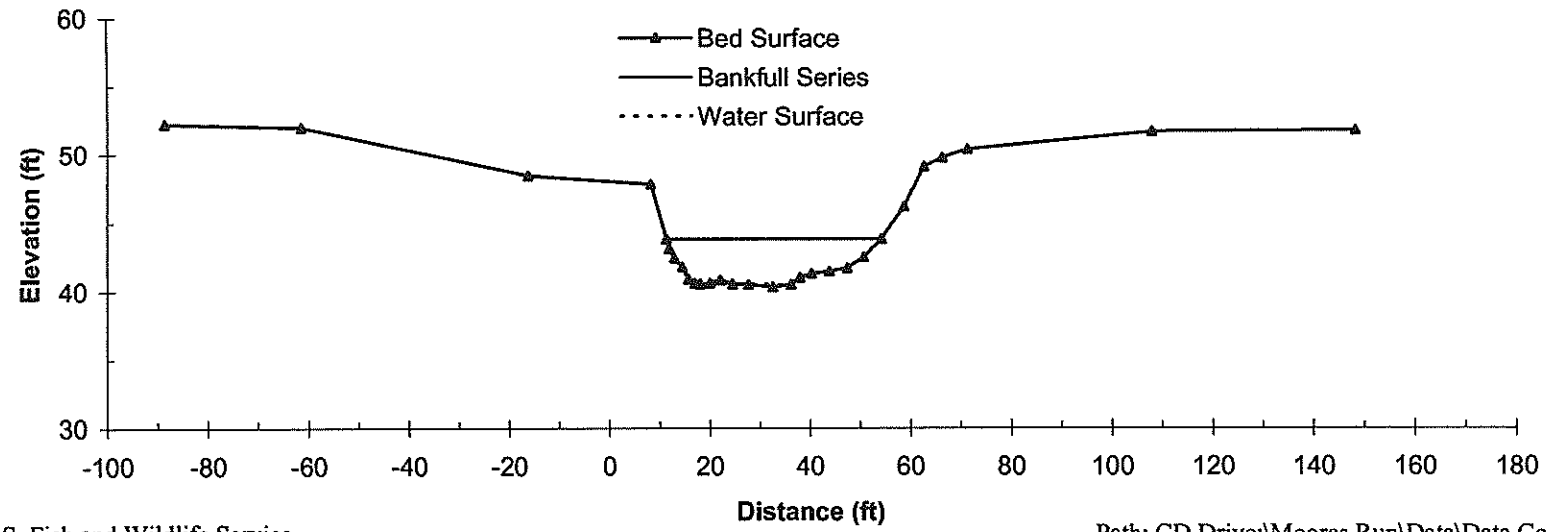
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
42.79	110.65	2.59	3.49	44.29	2.50	Bankfull	
19.24	0.62	0.03	0.19	19.29	0.03	Water Surface	

STREAM: Moores Run
XS: Balt. XS 38 (Run)
DATE: 2002
CREW: Dewberry and Davis
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 46.6" W: 76° 32' 03.6" (+/- 19 ft)
RTMON: N: 39° 19' 46.1" W: 76° 32' 04.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
ROD WITH	-88.6	52.21	SG	27.7	40.49
	-61.4	51.98	SG	32.6	40.34
SG	-61.3	51.98	REW	36.2	40.51
BRUSH	-16.2	48.45	SG	38.0	41.03
TB	8.3	47.84	SG	40.3	41.29
LBF	11.4	43.83	TOE	43.8	41.46
TOE	11.9	43.12	TOE	47.4	41.70
SG	12.9	42.42	TB	50.7	42.50
TB	14.5	41.78	RBF	54.2	43.83
TOE	15.7	40.92	TB	58.7	46.20
LEW	16.9	40.61	TB	62.7	49.11
SG	18.1	40.53	TB	66.3	49.76
SG	20.0	40.60	MET FEN	71.3	50.39
SG	22.1	40.86		107.9	51.68
SG	24.6	40.54	SG	108.0	51.69

Identifier	Distance (ft)	Elevation (ft)			
ROD WITH	148.3	51.81			



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File: Reach 01 - BALT XS 38 Overlay - Revised - Balt. Datum
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MOORES RUN - REACH 01

Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)		
48.14	125.60	2.61	4.40	49.76	2.52	Bankfull	
7.50	0.52	0.07	0.31	7.61	0.07	Water Surface	

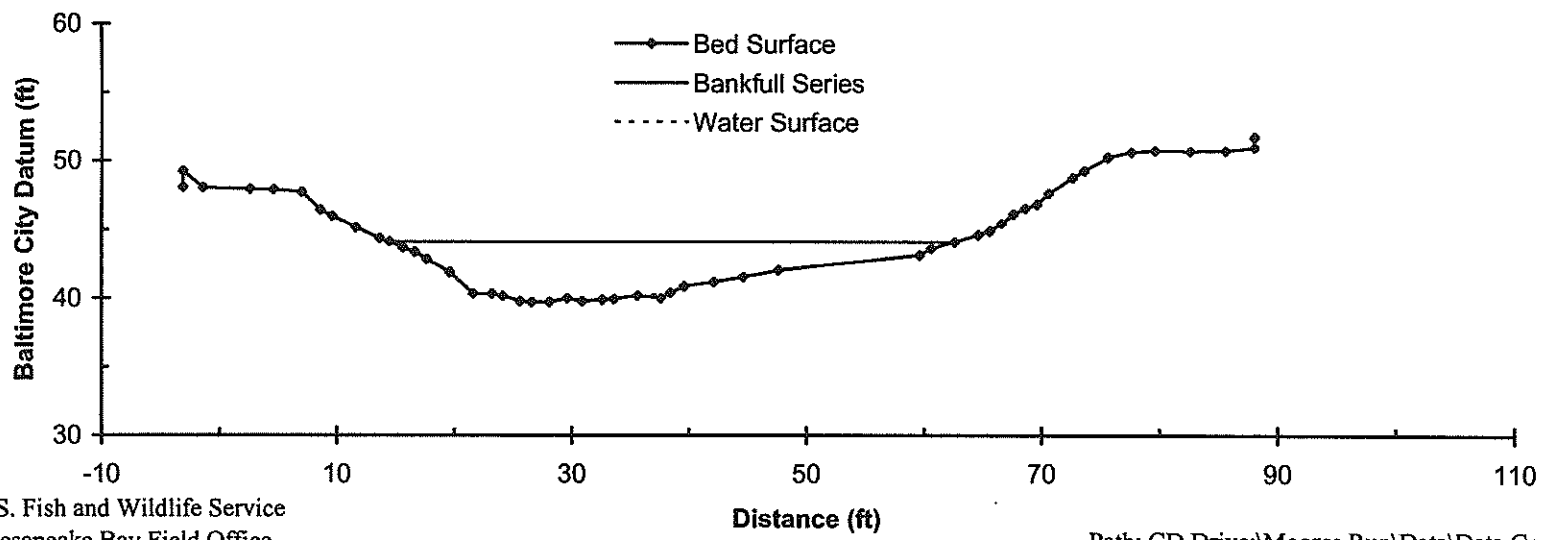
STREAM: Moores Run
XS: Balt. XS 38 (Run)
DATE: 2003

CREW: Baltimore City
DATA: SLD
QA/QC: CE

MON. COORD.: LTMON: N: 39° 19' 46.6" W: 76° 32' 03.6" (+/- 19 ft)
RTMON: N: 39° 19' 46.1" W: 76° 32' 04.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
Tape Level	-3.1	48.10		21.6	40.33
Ground Level	-3.1	49.26		23.2	40.32
	-1.4	48.06		24.1	40.17
	2.6	47.94		25.6	39.78
	4.6	47.91		26.6	39.72
Edge of Bank	7.0	47.75		28.1	39.73
	8.6	46.43		29.6	39.99
	9.6	45.98	LEW	30.9	39.79
	11.6	45.17		32.6	39.89
	13.6	44.35	Right pin at t	33.6	39.97
LBF	14.5	44.12		35.6	40.19
	15.6	43.67		37.6	40.02
	16.6	43.37	REW	38.4	40.40
	17.6	42.86		39.6	40.88
	19.6	41.88		42.1	41.19

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
	44.6	41.59		75.6	50.31
Avg of 5 diff	47.6	42.07		77.6	50.69
	59.6	43.16		79.6	50.81
	60.6	43.64		82.6	50.78
RBF	62.6	44.12		85.6	50.79
	64.6	44.64		88.0	51.04
	65.6	44.92	at tape level	88.0	51.81
	66.6	45.47			
	67.6	46.15			
	68.6	46.58			
	69.6	46.89			
	70.6	47.67			
	72.6	48.82			
	73.6	49.31			
	75.6	50.28			



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MOORES RUN - REACH 01

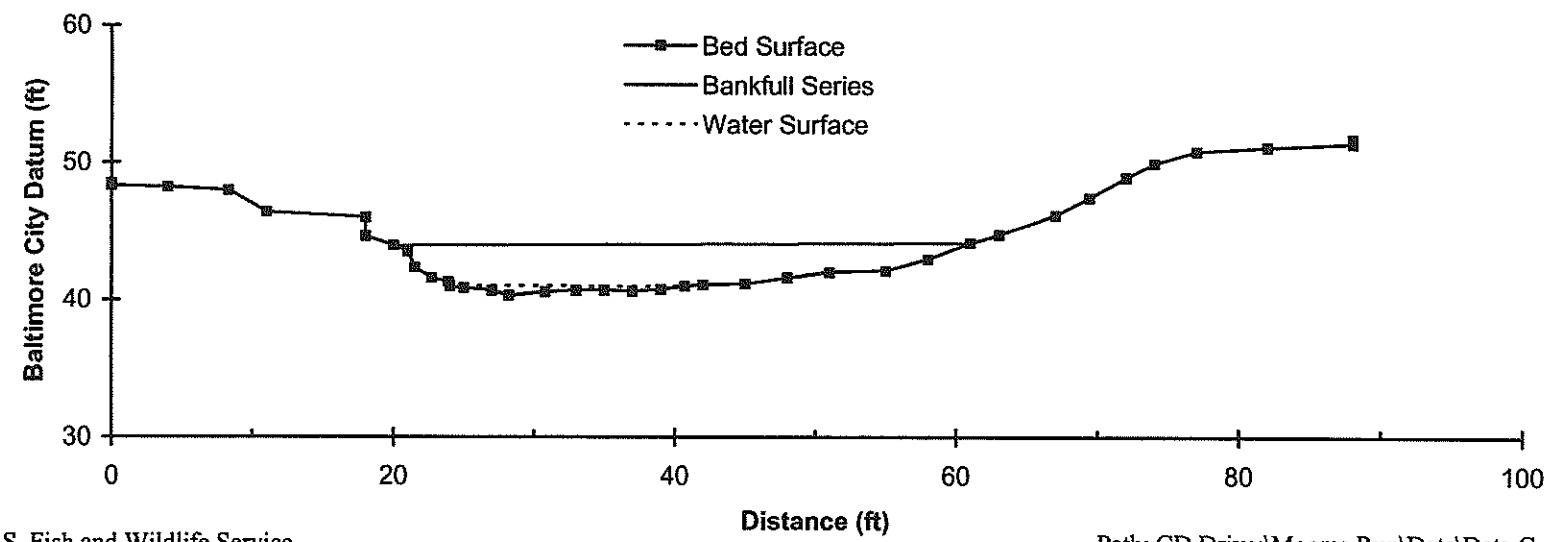
Width (ft)	Cross-Sectional Area (Sq.ft)	Mean Depth (ft)	Maximum Depth (ft)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	
41.00	104.87	2.56	3.69	42.92	2.44	Bankfull
16.70	5.90	0.35	0.71	16.90	0.35	Water Surface

STREAM:	Moores Run	CREW:	FWS (RRS, KDR)
REACH & XS:	Reach 01 - Balt. XS 38 (Run)	DATA:	SLD
DATE:	10/02/03	QA/QC:	KR

MON. COORD.: LTMON: N: 39° 19' 46.6" W: 76° 32' 03.6" (+/- 19 ft)
RTMON: N: 39° 19' 46.1" W: 76° 32' 04.6" (+/- 19 ft)

Identifier	Distance (ft)	Elevation (ft)	Identifier	Distance (ft)	Elevation (ft)
LTMON	0.0	48.50	CS/BR	27.0	40.67
LBMON	0.0	48.34	TW/BR	28.2	40.31
GS	4.0	48.21	CS/BR	30.8	40.58
LTOB	8.3	47.99	CS/BR	33.0	40.67
GS	11.0	46.40	CS/BR	35.0	40.71
GS	18.0	46.00	CS/BR	37.0	40.61
SL BRK	18.0	44.63	CS/GRVL	39.0	40.74
LBF	20.0	43.96	REW	40.7	41.00
SL BRK	21.0	43.53	CS	42.0	41.10
SL BRK	21.5	42.33	CS	45.0	41.16
SL BRK	22.7	41.59	CS	48.0	41.60
IP	23.9	41.30	SL BRK	51.0	42.01
LEW	24.0	41.03	SL BRK	55.0	42.13
CS/BR	24.0	40.94	SL BRK	58.0	42.97
CS/BR	25.0	40.84	RBF	61.0	44.15

Identifier	Distance (ft)	Elevation (ft)			
RTOB	63.0	44.73			
SL BRK	67.0	46.20			
GS	69.4	47.45			
GS	72.0	48.93			
GS	74.0	49.99			
GS	77.0	50.86			
GS	82.0	51.17			
RBMON	88.0	51.46			
RTMON	88.0	51.81			



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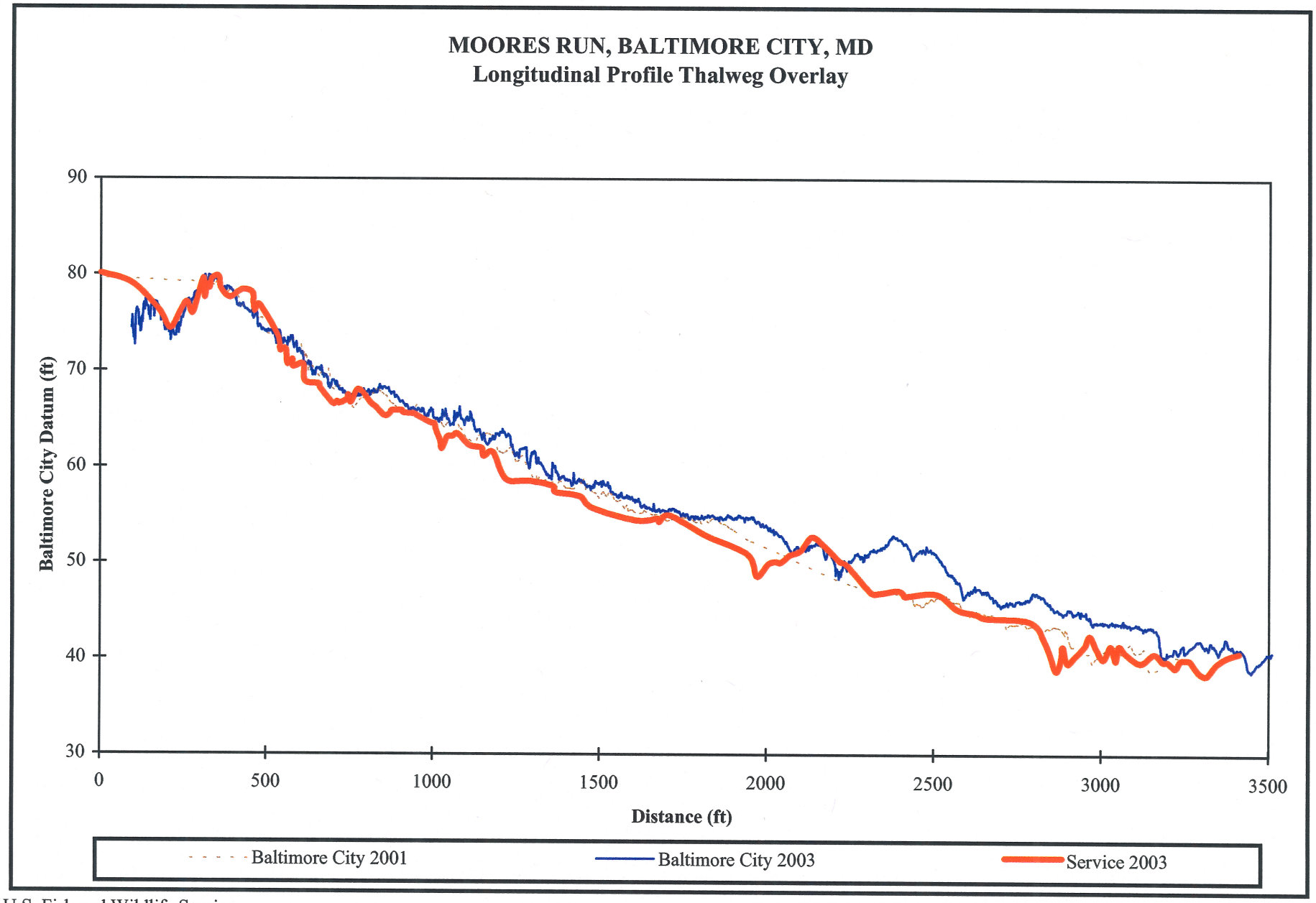
LONGITUDINAL PROFILE
OVERLAY



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Path: CD Drive:\Moores Run\Data\Data Comparison\Longitudinal Profile
File: Longitudinal Profile - 2003 - Baltimore City Datum - overlay
Date: 01/29/04