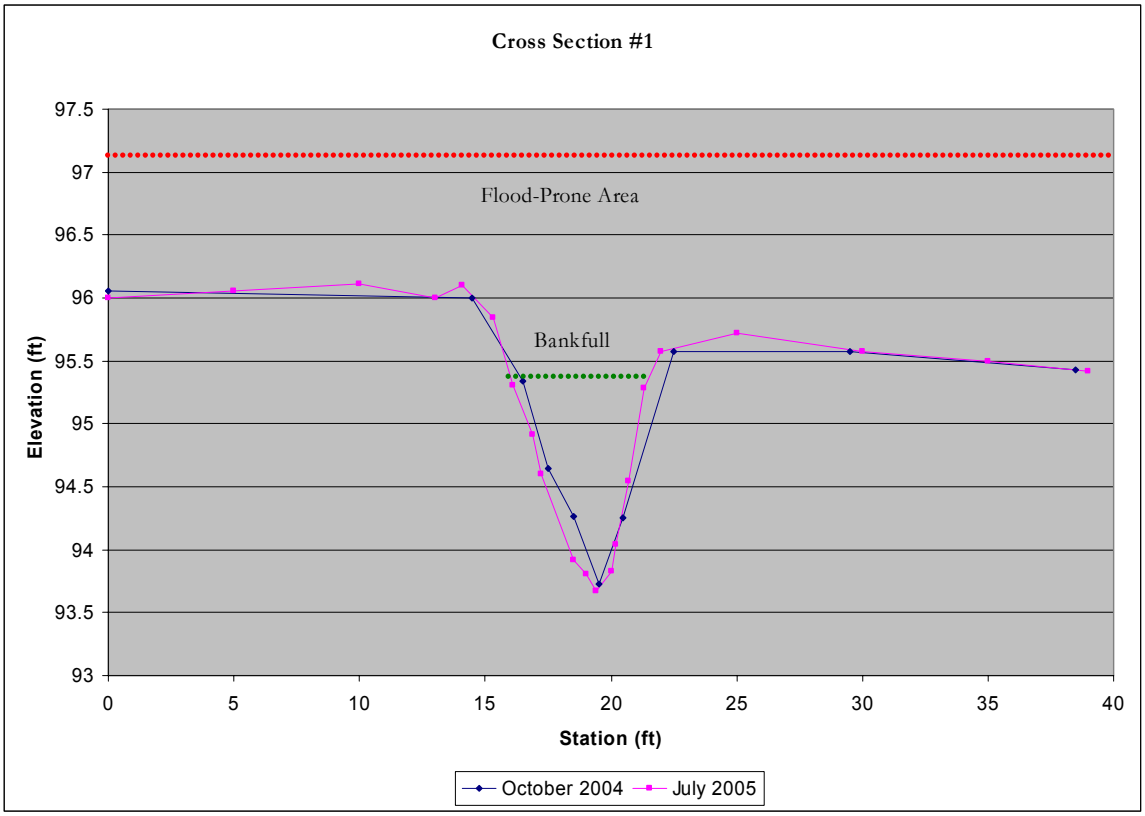
APPENDIX B

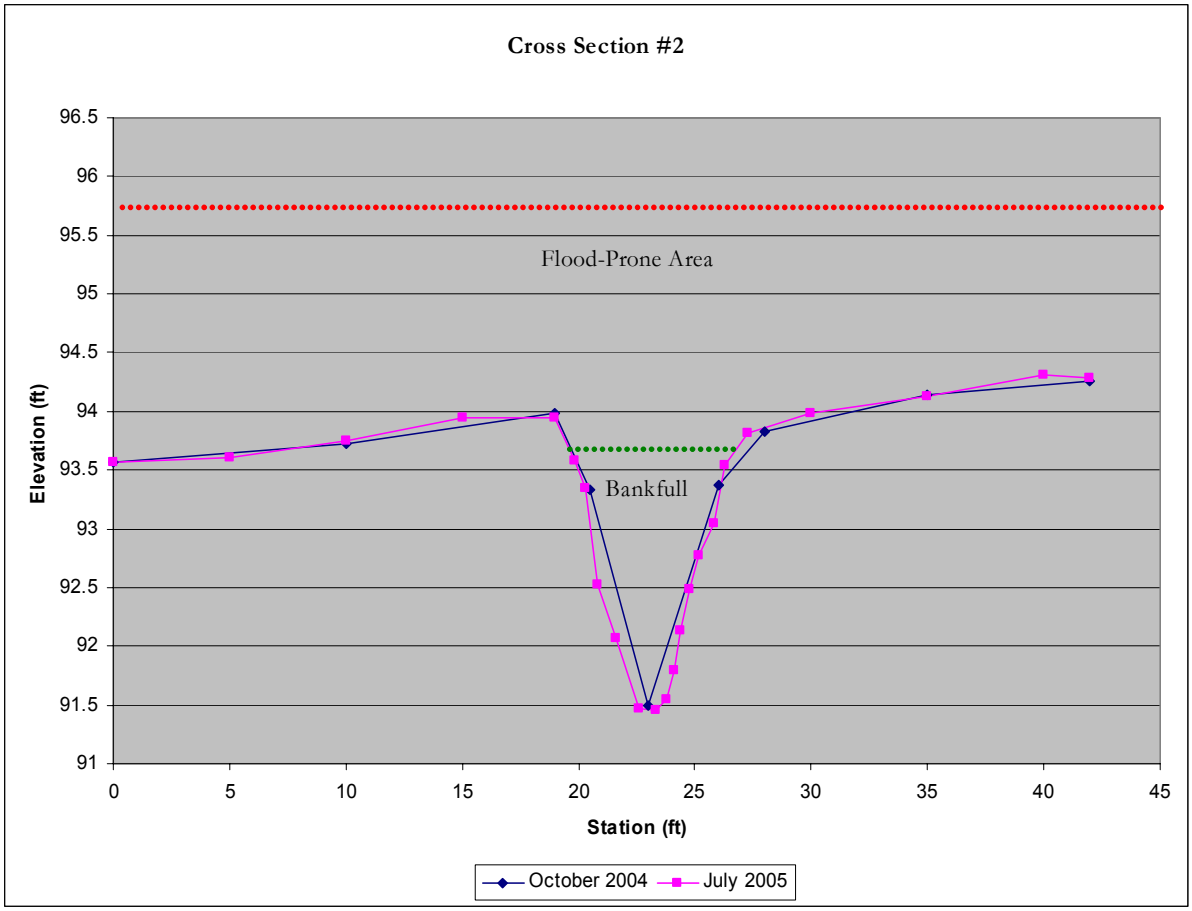
CROSS SECTIONS AND LONGITUDINAL PROFILE COMPARISON



Cross-Section #1 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	5.1	5.5			
Maximum Bankfull Depth (ft)	1.6	1.7			
Bankfull Mean Depth (ft)	0.9	1.0			
Bankfull Width (ft)	5.7	5.7			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	6.3	5.8			
Entrenchment Ratio	>15.0	>15.0			
Bank Height Ratio	1.0	1.0			

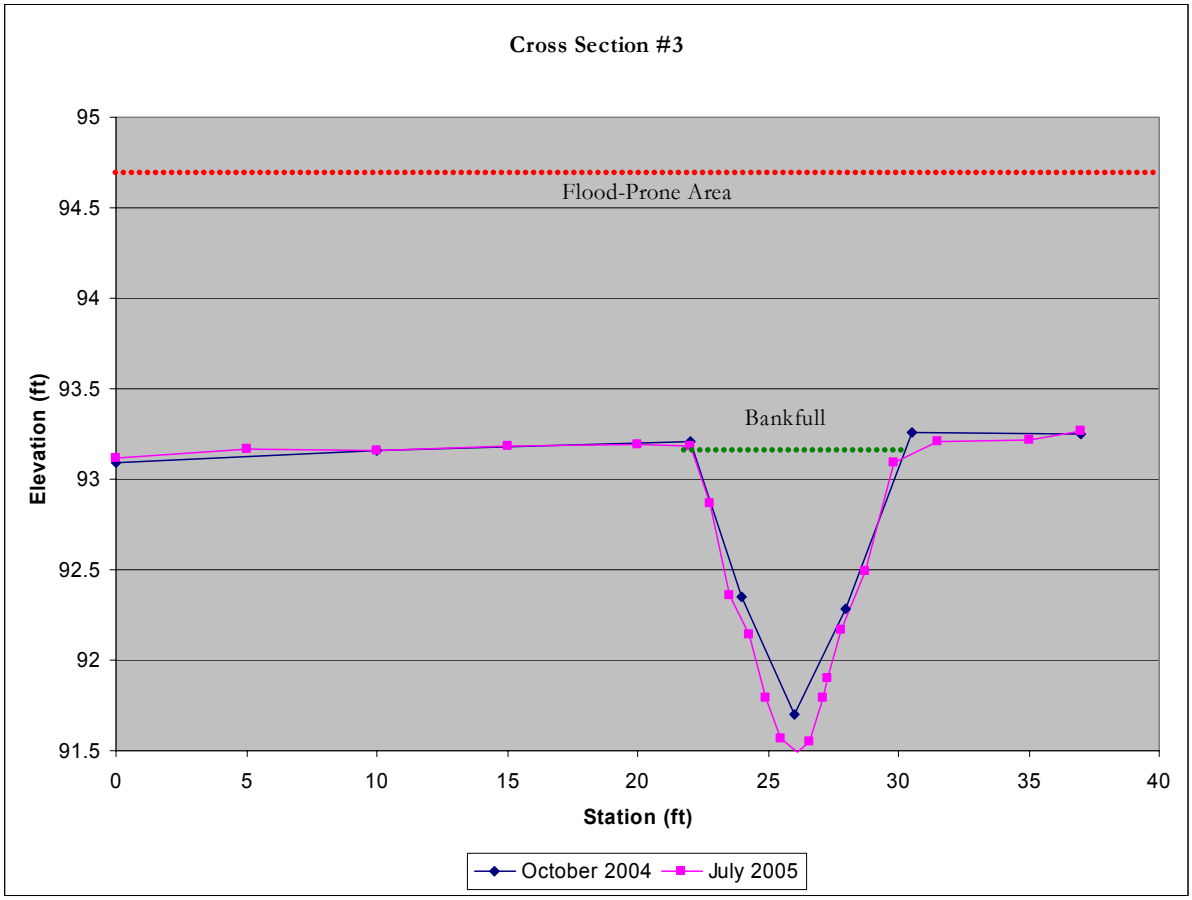
Cross Section #1 along Reach #1 – Year 2005



Cross-Section #2 (Glide) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	8.6	8.3			
Maximum Bankfull Depth (ft)	2.3	2.1			
Bankfull Mean Depth (ft)	1.0	1.0			
Bankfull Width (ft)	8.6	7.9			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	8.6	7.6			
Entrenchment Ratio	11.6	12.7			
Bank Height Ratio	1.0	1.0			

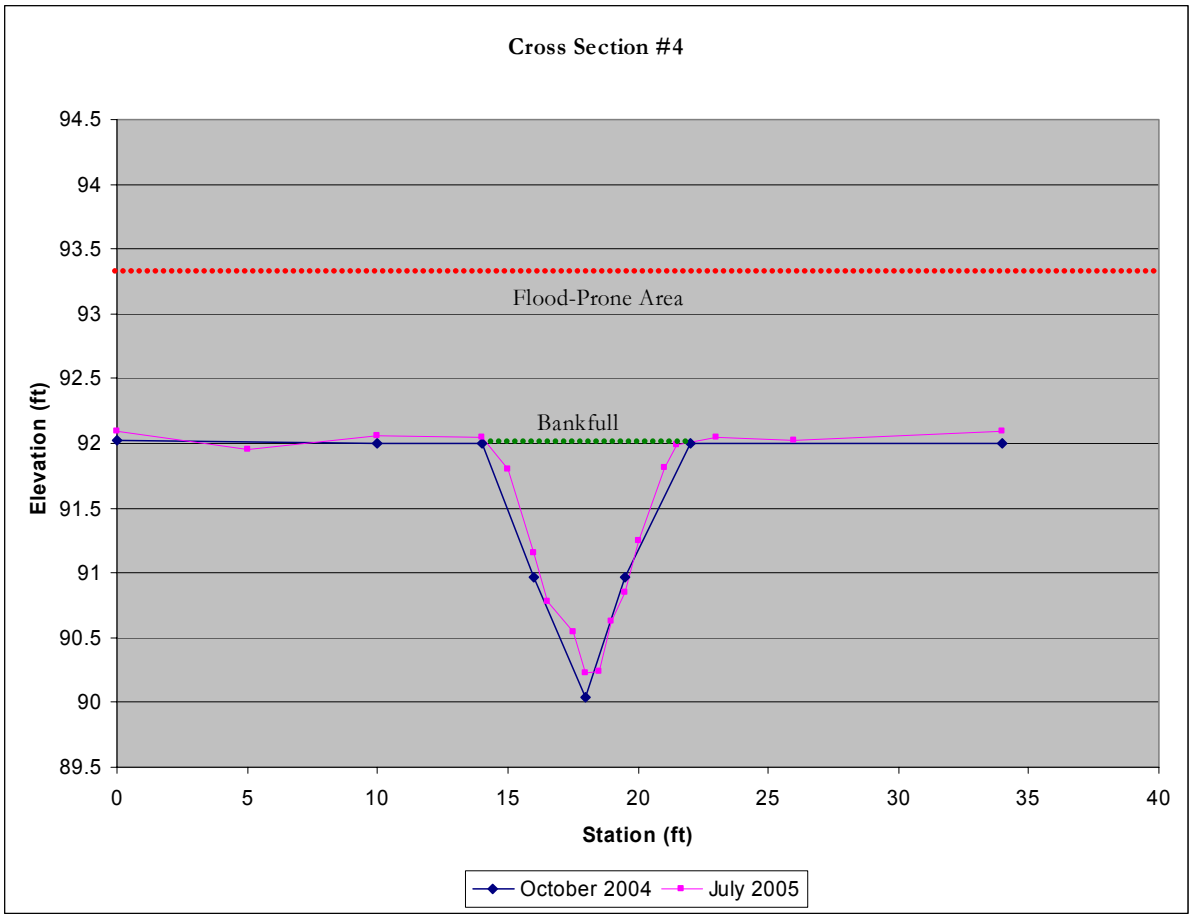
Cross Section #2 along Reach #1 – Year 2005



Cross-Section #3 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	6.7	6.8			
Maximum Bankfull Depth (ft)	1.5	1.6			
Bankfull Mean Depth (ft)	0.8	0.9			
Bankfull Width (ft)	8.4	7.6			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	10.5	8.4			
Entrenchment Ratio	11.9	13.2			
Bank Height Ratio	1.0	1.0			

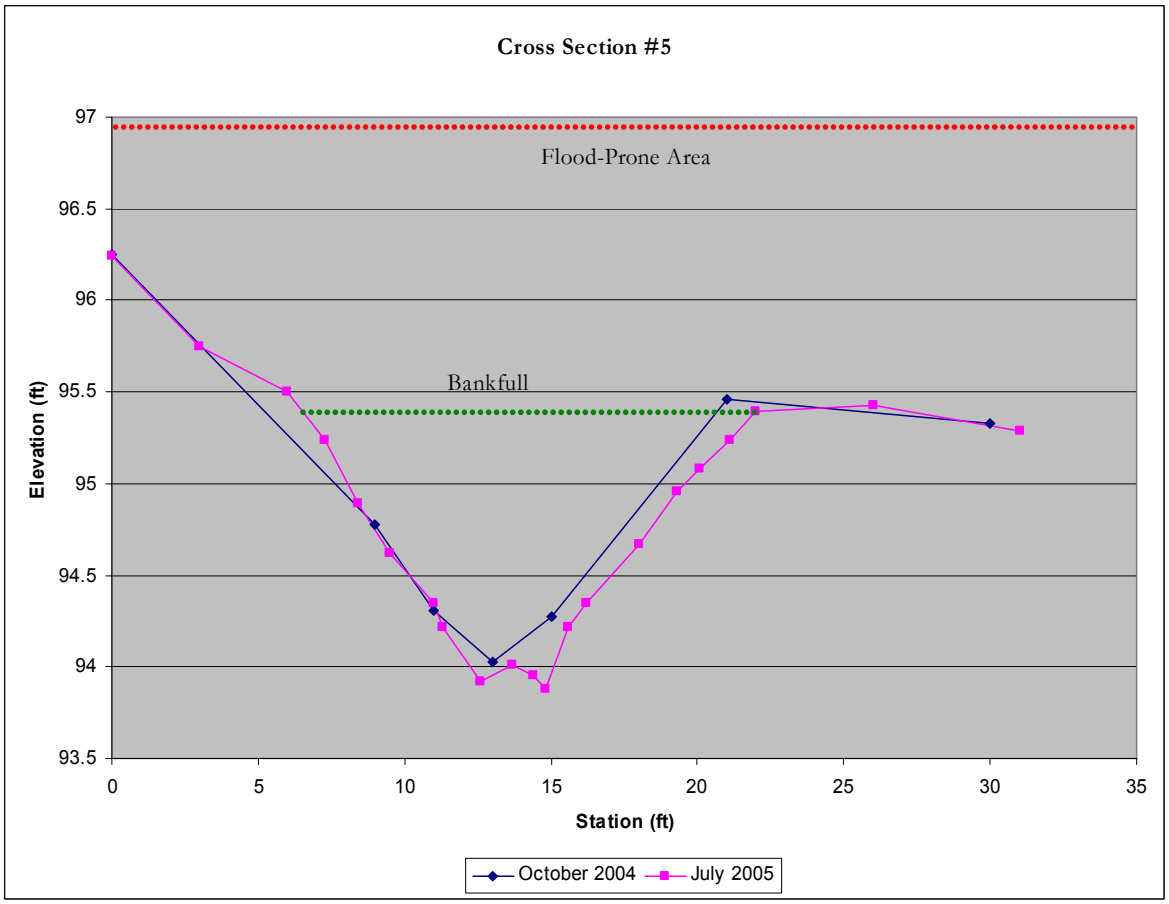
Cross Section #3 along Reach #1 – Year 2005



Cross-Section #4 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	7.2	6.2			
Maximum Bankfull Depth (ft)	2.0	1.7			
Bankfull Mean Depth (ft)	0.9	0.9			
Bankfull Width (ft)	8.0	7.0			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	8.9	7.9			
Entrenchment Ratio	12.5	14.3			
Bank Height Ratio	1.0	1.0			

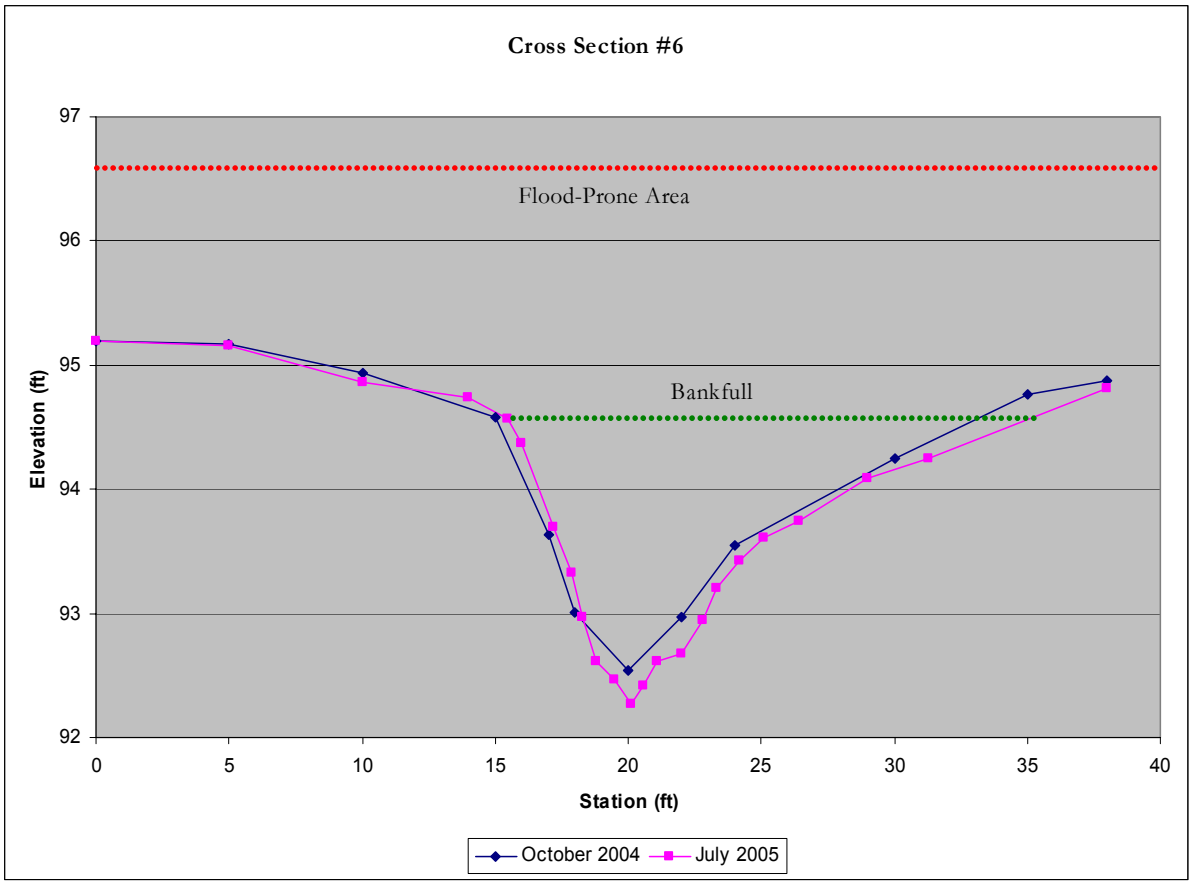
Cross Section #4 along Reach #1 – Year 2005



Cross-Section #5 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	11.3	10.8			
Maximum Bankfull Depth (ft)	1.4	1.4			
Bankfull Mean Depth (ft)	0.7	0.8			
Bankfull Width (ft)	16.2	14.4			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	23.1	19.1			
Entrenchment Ratio	6.2	7.0			
Bank Height Ratio	1.0	1.0			

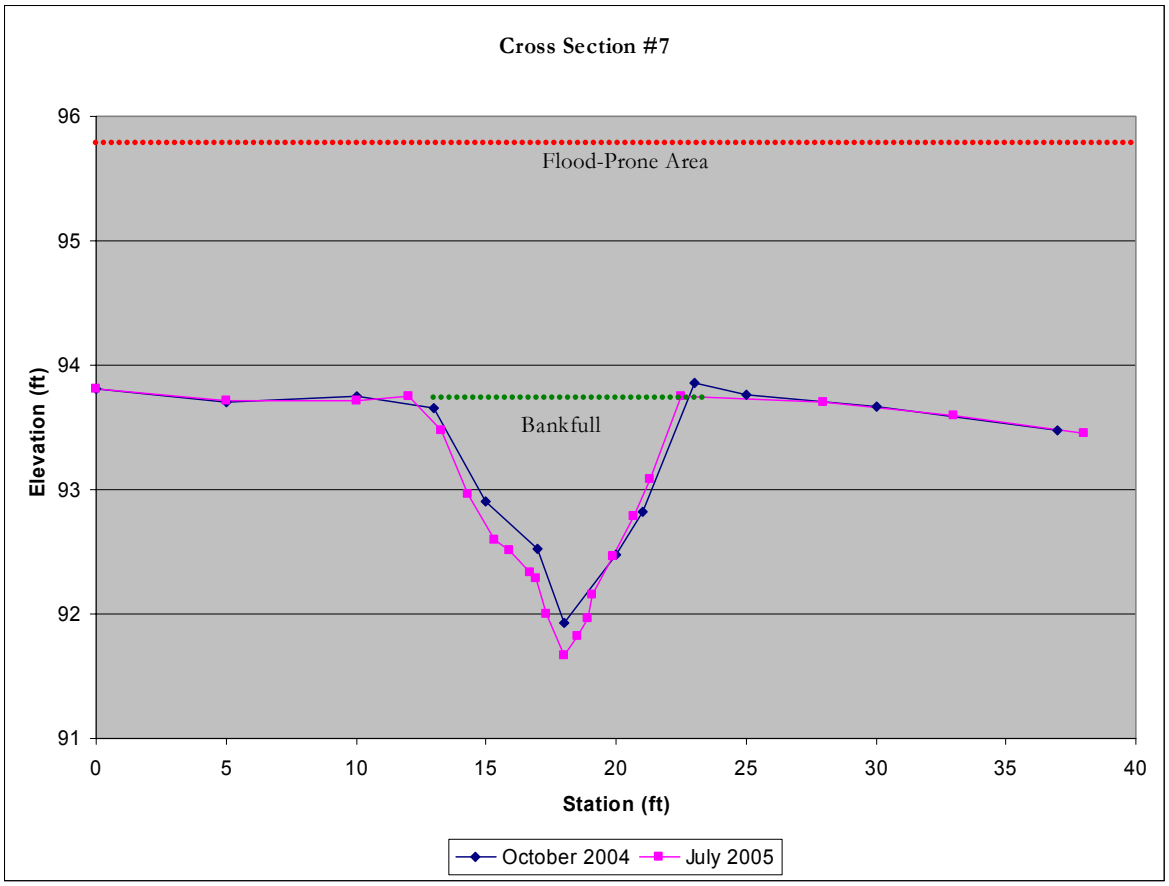
Cross Section #5 along Reach #1 – Year 2005



Cross-Section #6 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	16.4	10.4			
Maximum Bankfull Depth (ft)	2.0	1.8			
Bankfull Mean Depth (ft)	0.9	0.8			
Bankfull Width (ft)	18.2	12.5			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	20.2	15.1			
Entrenchment Ratio	5.5	8.0			
Bank Height Ratio	1.0	1.0			

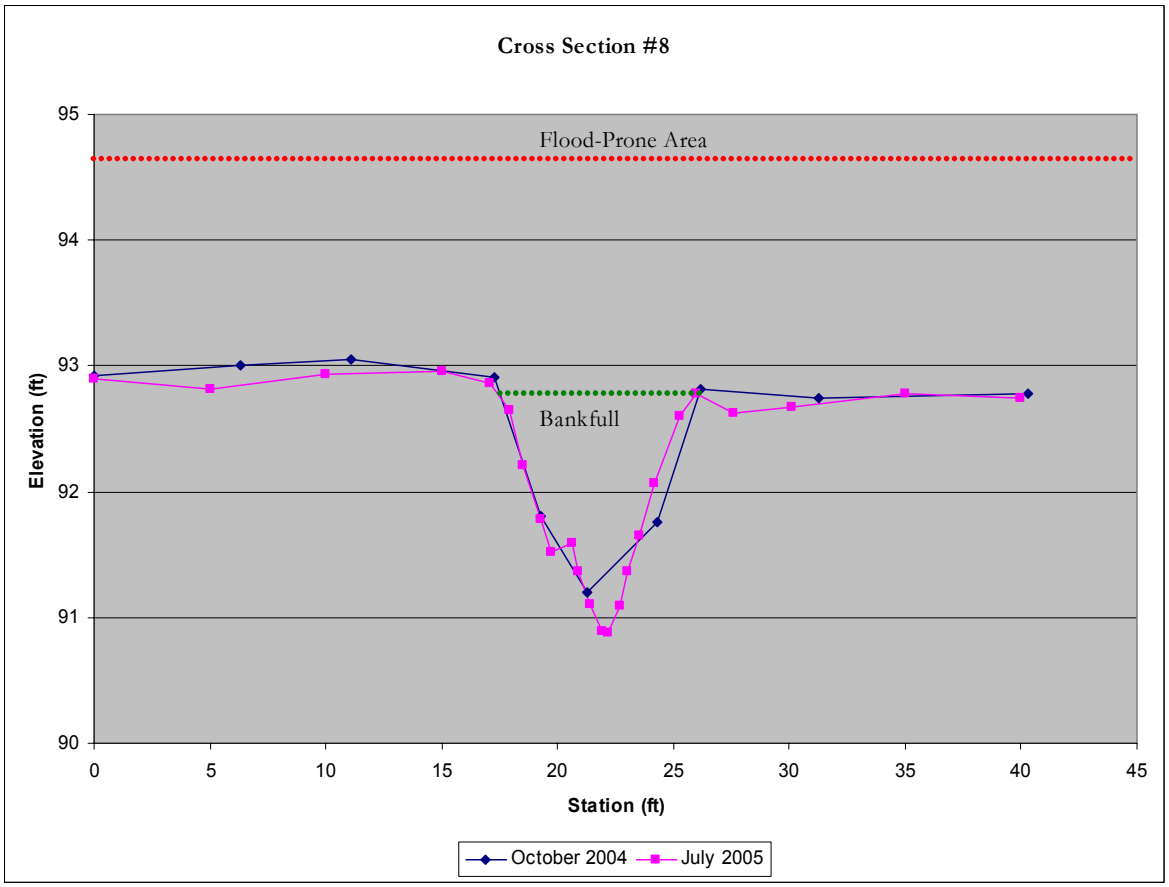
Cross Section #6 along Reach #2 – Year 2005



Cross-Section #7 (Run) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	9.7	9.1			
Maximum Bankfull Depth (ft)	1.7	1.9			
Bankfull Mean Depth (ft)	0.6	1.0			
Bankfull Width (ft)	16.2	9.4			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	27.0	9.8			
Entrenchment Ratio	6.2	10.6			
Bank Height Ratio	1.0	1.0			

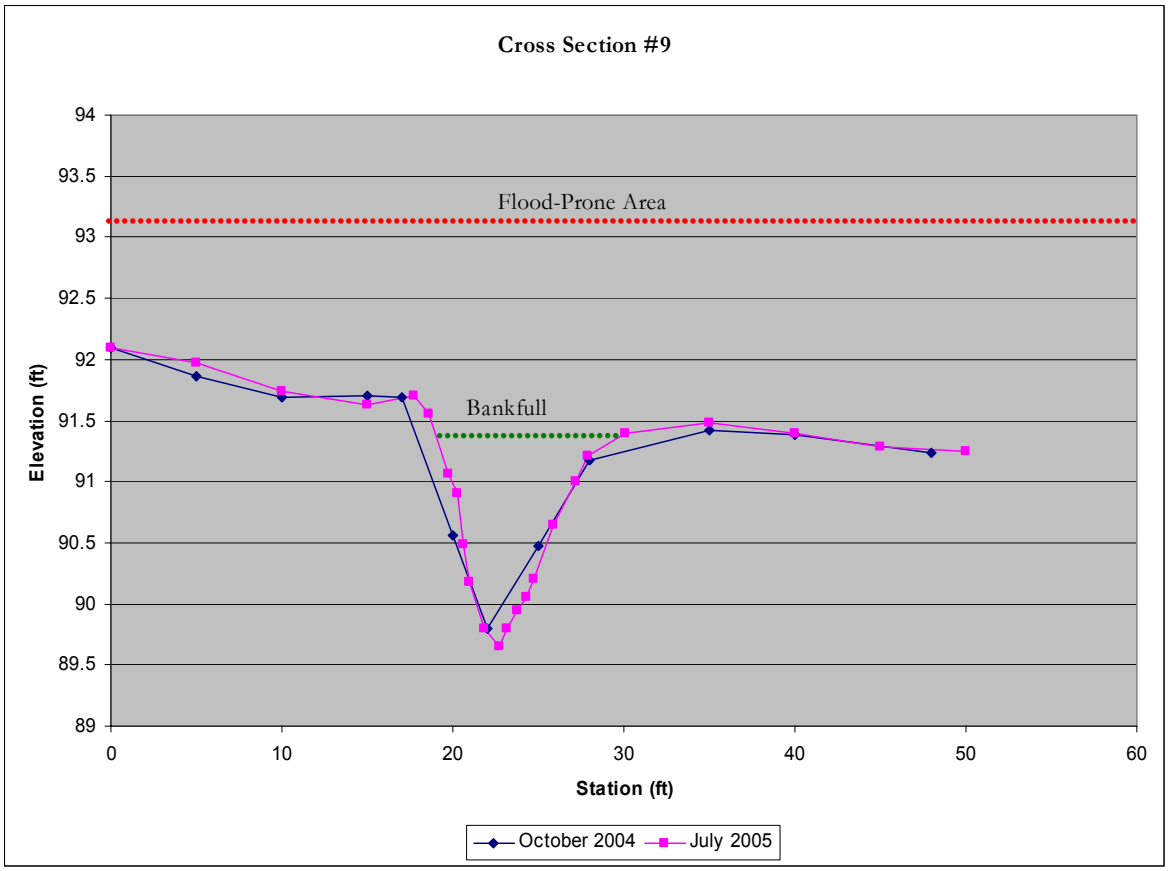
Cross Section #7 along Reach #2 – Year 2005



Cross-Section #8 (Riffle) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	8.8	8.2			
Maximum Bankfull Depth (ft)	1.6	1.9			
Bankfull Mean Depth (ft)	1.0	1.0			
Bankfull Width (ft)	8.8	8.6			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	5.5	9.0			
Entrenchment Ratio	11.4	11.6			
Bank Height Ratio	1.0	1.0			

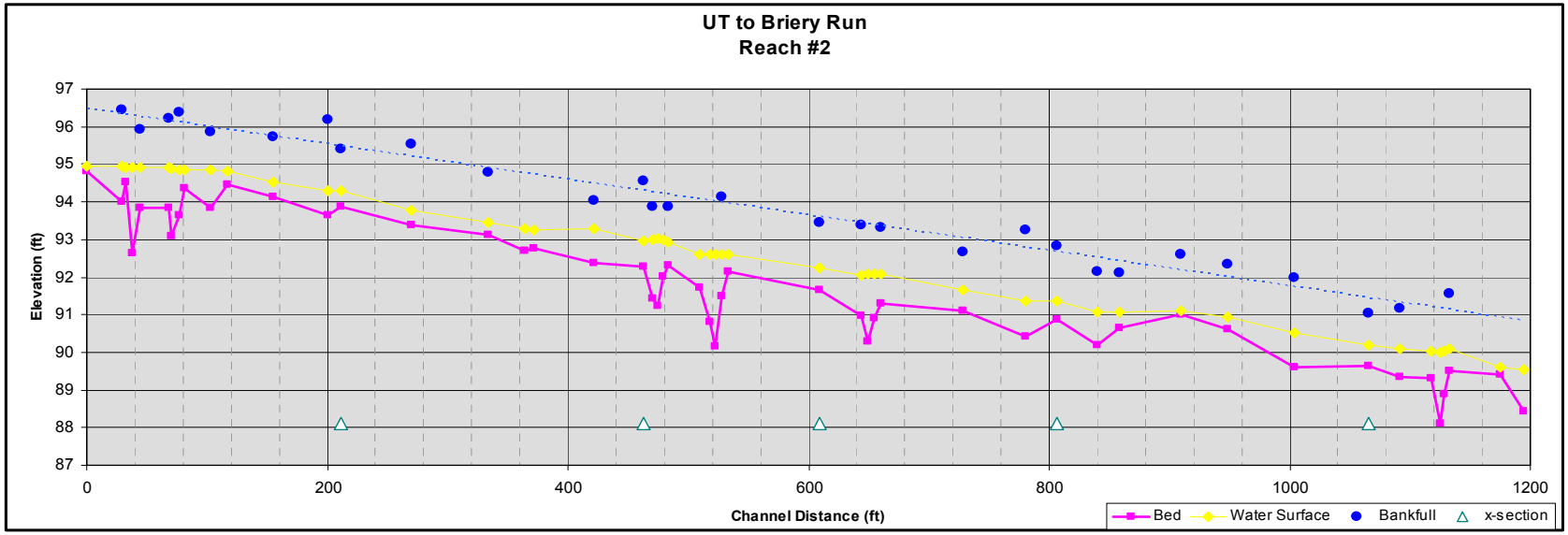
Cross Section #8 along Reach #2 – Year 2005

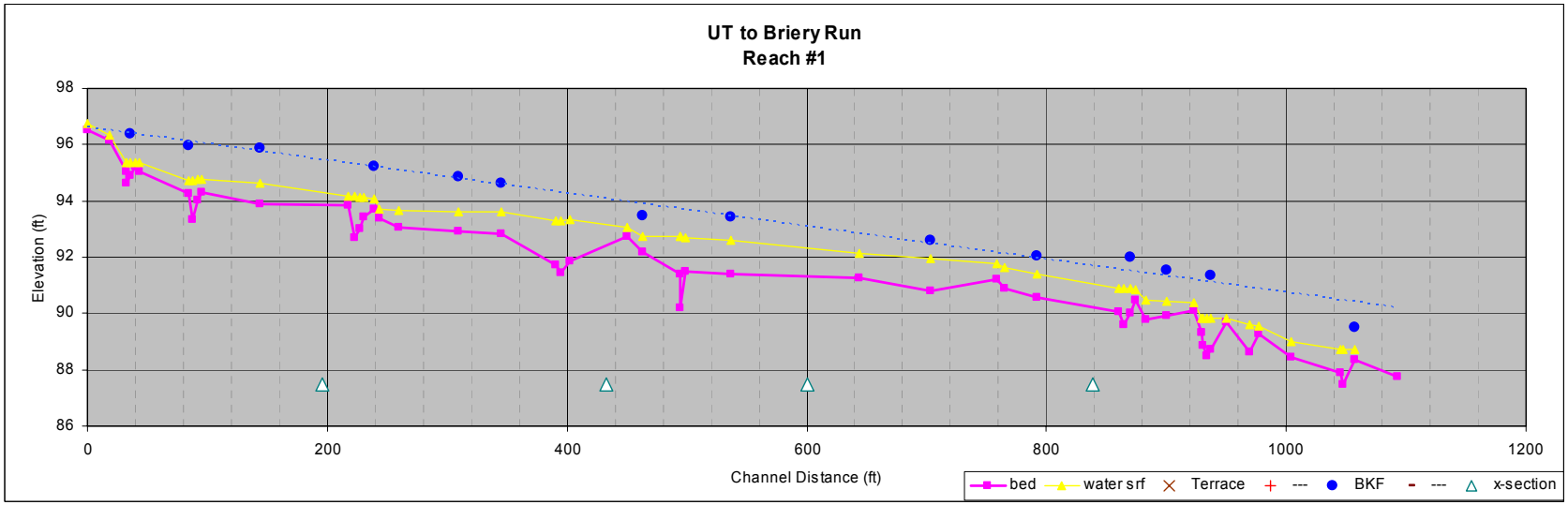


Cross-Section #9 (Run) Abbreviated Morphological Summary

	2004	2005	2006	2007	2008
Bankfull Cross Sectional Area (ft^2)	9.2	8.8			
Maximum Bankfull Depth (ft)	1.6	1.7			
Bankfull Mean Depth (ft)	0.9	0.8			
Bankfull Width (ft)	10.2	11.1			
Width of the Floodprone Area (ft)	100.0	>100.0			
Width/Depth Ratio	11.3	14.0			
Entrenchment Ratio	9.8	9.0			
Bank Height Ratio	1.0	1.0			

Cross Section #9 along Reach #2 – Year 2005


UT to Briery Run
Reach #2
Elevation (ft)
97
96
95
94
93
92
91
90
89
88
87
0
200
400
600
800
1000
1200
Channel Distance (ft)
Bed
Water Surface
Bankfull
x-section


UT to Briery Run
Reach #1
Elevation (ft)
98
96
94
92
90
88
86
0
200
400
600
800
1000
1200
Channel Distance (ft)
bed
water srf
Terrace

BKF
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x-section