

CROSS SECTION
REACH: Reach-1

RS: 40

INPUT

Description: 114

Station Elevation Data		num= 84									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
91.89	362.5	93.04	362.23	96.97	361.61	101.77	361	109.4	360		
111.97	359.65	113.79	359.72	114.33	359.69	135.1	358	142.41	353.43		
144.75	352	163.93	352	167.38	353.41	173.33	356	175.45	356.87		
178.05	358	184.41	358	210.09	356	235.52	355.67	280.65	355.27		
308.33	355.56	311.59	355.58	347.93	355.93	355.68	355.93	362.32	355.91		
380.6	355.91	384.17	355.94	394.17	356	404.89	356.2	409.34	356.27		
414.86	356.31	422.05	356.2	423.65	356.16	440.93	356.08	445.71	356.12		
473.99	356.32	522.95	357.32	532.64	357.4	538.45	357.32	598.34	356.11		
611.43	356.11	619.84	356.13	624.16	356.1	645.79	356	648.78	355.74		
650.33	355.53	652.59	355.45	658.71	355.55	658.92	355.62	660.69	355.82		
663.74	356	700.25	356	705.44	355.84	709.41	355.74	711.42	355.71		
723.63	355.58	730.65	355.56	738.22	355.67	754.98	355.96	762.67	356.04		
769.48	356.07	773.91	356.07	787.56	356.09	791.38	356.03	795.74	356		
801.6	355.94	805.25	355.92	808.81	355.92	816.06	355.95	820.97	355.95		
828.21	355.91	832.08	355.86	838.54	355.85	840.98	355.83	850.31	355.86		
858.34	355.87	860.79	355.89	876.99	355.98	879.63	356	900.3	357.25		
915.36	358	915.74	358.03	936.44	360	948.05	361.44				

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
.035	91.89	.035	948.05	.035	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	91.89	948.05		25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

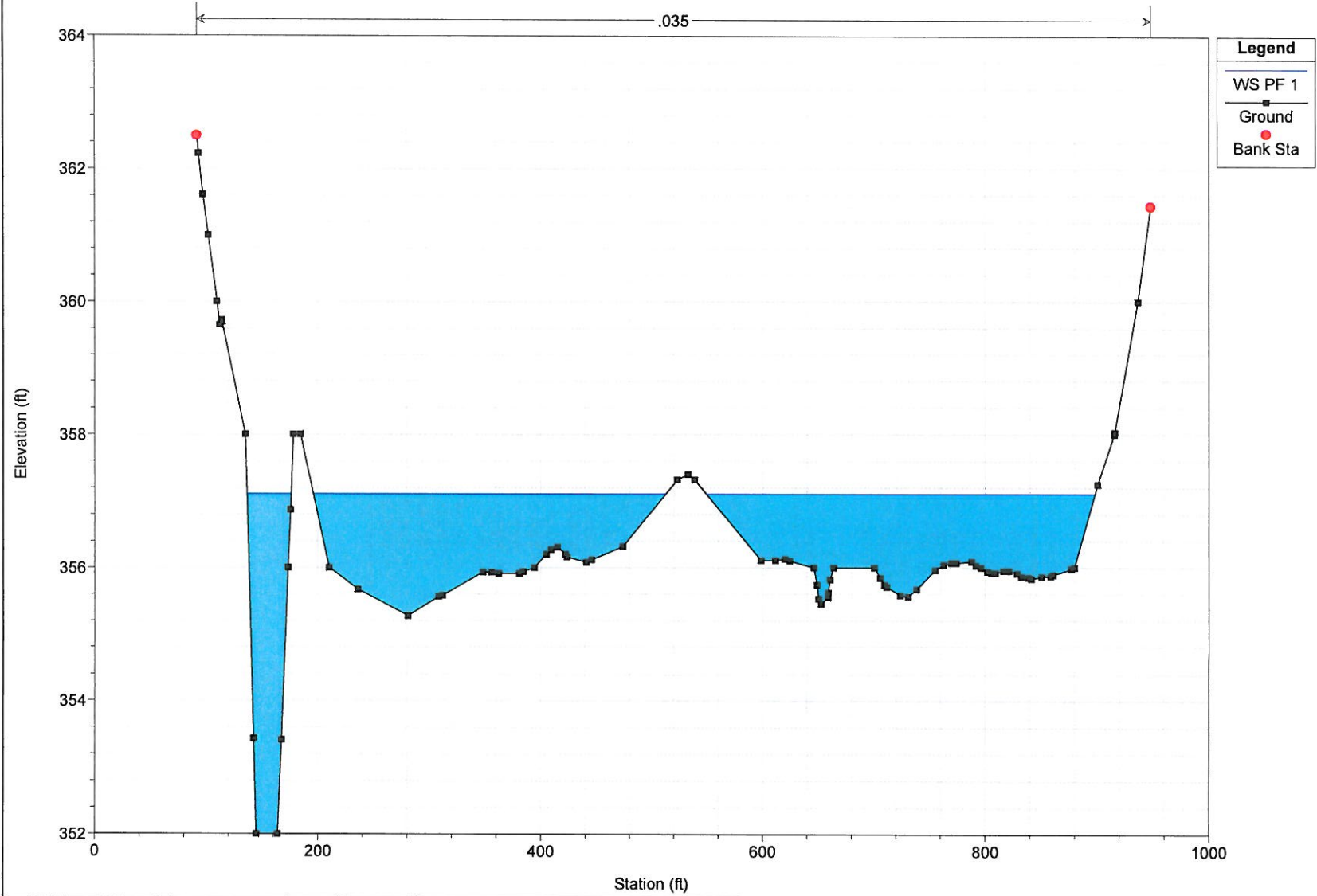
* E.G. Elev (ft)	* 357.76	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.65	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 357.11	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 357.11	* Flow Area (sq ft)		* 878.60	
* E.G. Slope (ft/ft)	* 0.017496	* Area (sq ft)		* 878.60	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 705.30	* Top Width (ft)		* 705.30	
* Vel Total (ft/s)	* 6.49	* Avg. Vel. (ft/s)		* 6.49	
* Max Chl Dpth (ft)	* 5.11	* Hydr. Depth (ft)		* 1.25	
* Conv. Total (cfs)	* 43076.4	* Conv. (cfs)		* 43076.4	
* Length Wtd. (ft)		* Wetted Per. (ft)		* 707.97	
* Min Ch El (ft)	* 352.00	* Shear (lb/sq ft)		* 1.36	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 948.05	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 17.19	
* C & E Loss (ft)		* Cum SA (acres)		* 12.87	

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 40

.035



CROSS SECTION
REACH: Reach-1

RS: 30

INPUT

Description: 124

Station Elevation Data

num= 84

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
134.49	358	153.17	356.9	167.14	356	174.71	354.36	176.17	354
181.92	352	185.03	351.68	186.85	351.43	187.92	351.11	188.17	350.73
195.47	350.73	196.65	350.93	200.15	351.41	204.85	352	208.61	354
212.43	356	213.02	356.23	213.26	356.69	213.58	356.91	214.66	357.23
219.22	356.96	221.39	356.72	225.26	356.36	228.58	356	230.6	355.83
233.08	355.59	253.72	355.08	296.19	354.38	409.66	354.23	411.25	354.24
412.98	354.29	424.04	354.29	426.1	354.27	440.25	354.17	455.13	354
458.67	353.91	465.37	353.78	468.96	353.79	476.66	353.76	480.66	353.79
485.68	353.85	492.12	353.96	496.09	354.01	501.17	354.03	518.42	354
522.87	354	525.6	353.96	536.85	353.9	540.41	353.89	544.57	353.91
550.25	354	584.51	354	587.32	354.02	593.33	354.09	596.74	354.14
605.34	354.12	609.89	354.12	637.6	354.01	642.09	354.02	659.68	353.97
668.12	354	672.53	354.03	677.33	354.1	678.76	354.09	682.06	354
706.24	354	712.93	354.13	725.54	354.11	727.62	354.09	733.37	354
744.49	353.86	746.9	353.82	749.32	353.82	755.87	353.79	759.72	353.8
760.92	353.85	766.03	354	793.13	354.2	801.51	354.24	821.79	355.05
856.79	356	858.57	356.15	878.89	358	885.58	360		

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
134.49	.035	134.49	.035	885.58	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	134.49	885.58		25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

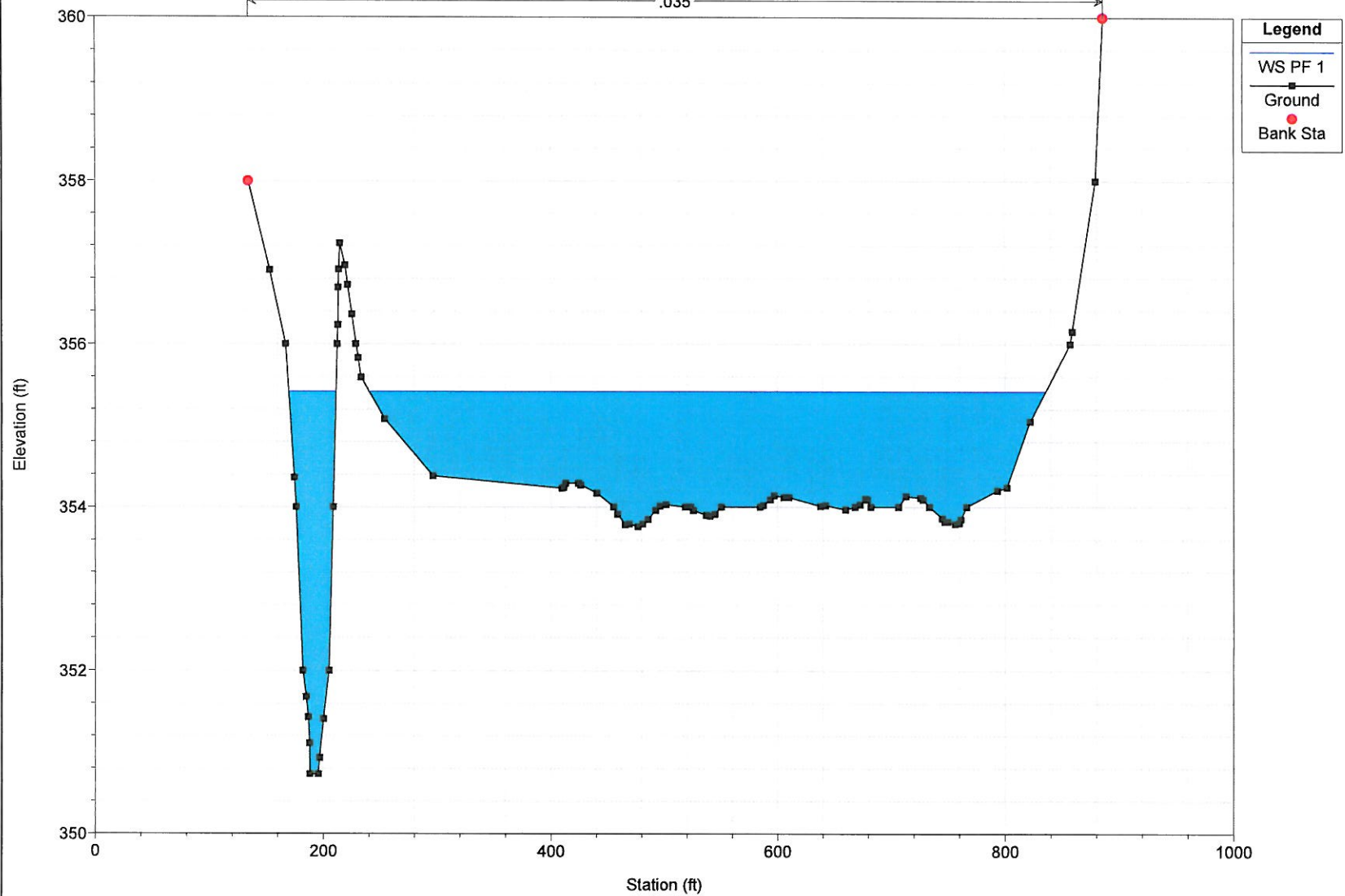
* E.G. Elev (ft)	* 356.12	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.69	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 355.42	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 355.42	* Flow Area (sq ft)	* 851.91		
* E.G. Slope (ft/ft)	* 0.016918	* Area (sq ft)	* 851.91		
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* 5697.90		
* Top Width (ft)	* 637.33	* Top Width (ft)	* 637.33		
* Vel Total (ft/s)	* 6.69	* Avg. Vel. (ft/s)	* 6.69		
* Max Chl Dpth (ft)	* 4.69	* Hydr. Depth (ft)	* 1.34		
* Conv. Total (cfs)	* 43806.9	* Conv. (cfs)	* 43806.9		
* Length Wtd. (ft)		* Wetted Per. (ft)	* 639.09		
* Min Ch El (ft)	* 350.73	* Shear (lb/sq ft)	* 1.41		
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 885.58	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 12.11	
* C & E Loss (ft)		* Cum SA (acres)		* 8.77	

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 30

.035



CROSS SECTION
REACH: Reach-1

RS: 18

INPUT

Description: 136

Station Elevation Data

num= 130

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
154.8	354.98	159.5	355.03	159.83	354.99	160.26	354.94	161.61	354.77
163.22	354.59	166.96	354.16	168.5	354	169.5	353.32	171.45	352
173.34	350.79	174.57	350	176.32	348.98	178.05	348	180.32	347.6
181.54	347.35	182.92	347.03	183.53	346.92	185.58	346.63	186.19	346.56
186.7	346.47	191.54	346.46	191.62	346.47	192.57	346.62	195.03	347.02
195.75	347.11	203.63	348	206.21	348.44	214.58	350	218.49	351.2
221.43	352	224.51	353.31	226.17	354	241.48	354	247.23	353.84
271.41	353	341.82	352.56	368.98	352.5	370.15	352.49	372.13	352.49
372.71	352.48	373.33	352.48	374.3	352.47	443.83	352.09	444.4	352.09
464.98	352	465.45	351.99	469.61	351.95	476.19	351.91	481.51	351.89
486.33	351.89	491.61	351.93	495.35	351.97	497.53	352	546.14	352
546.91	351.99	564.48	351.58	572.53	351.68	573.95	351.68	574.79	351.67
575.55	351.65	576.18	351.64	577.12	351.63	581.83	351.66	589.58	351.69
591.73	351.69	593.17	351.7	594.2	351.7	596	351.72	606.2	351.79
638.87	351.69	641.15	351.72	644.71	351.74	648.02	351.71	649.67	351.68
650.96	351.61	653.21	351.6	657.45	351.57	659.69	351.57	661.7	351.58
667.17	351.62	675.71	351.7	696.46	351.94	701.61	351.99	702.27	352
703.38	352.01	704.99	352.02	706.57	352.01	707.18	352	709.91	351.96
711.33	351.93	712.58	351.88	714.49	351.85	726.99	351.82	730.2	351.88
730.53	351.91	732.02	351.94	736.74	352	740.77	352.06	742.58	352.1
743.83	352.13	744.92	352.16	746.15	352.2	747.55	352.23	752.34	352.29
754.85	352.31	761.37	352.35	788.25	352.6	851.27	352.79	855.13	352.76
855.41	352.76	867.99	352.88	907.64	353.12	941.72	353.07	994.5	353.13
1005.67	353.25	1005.77	353.24	1007.2	353.24	1008.19	353.23	1009.74	353.23
1011.38	353.24	1012.48	353.24	1022.34	353.17	1080.41	352.97	1094.87	352.95
1154.8	353.08	1161.13	353.26	1162.02	353.27	1188.42	353.66	1205.92	354

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
154.8	.035	154.8	.035	1205.92	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.	
	154.8	1205.92		25	25	25.01	.1	.3

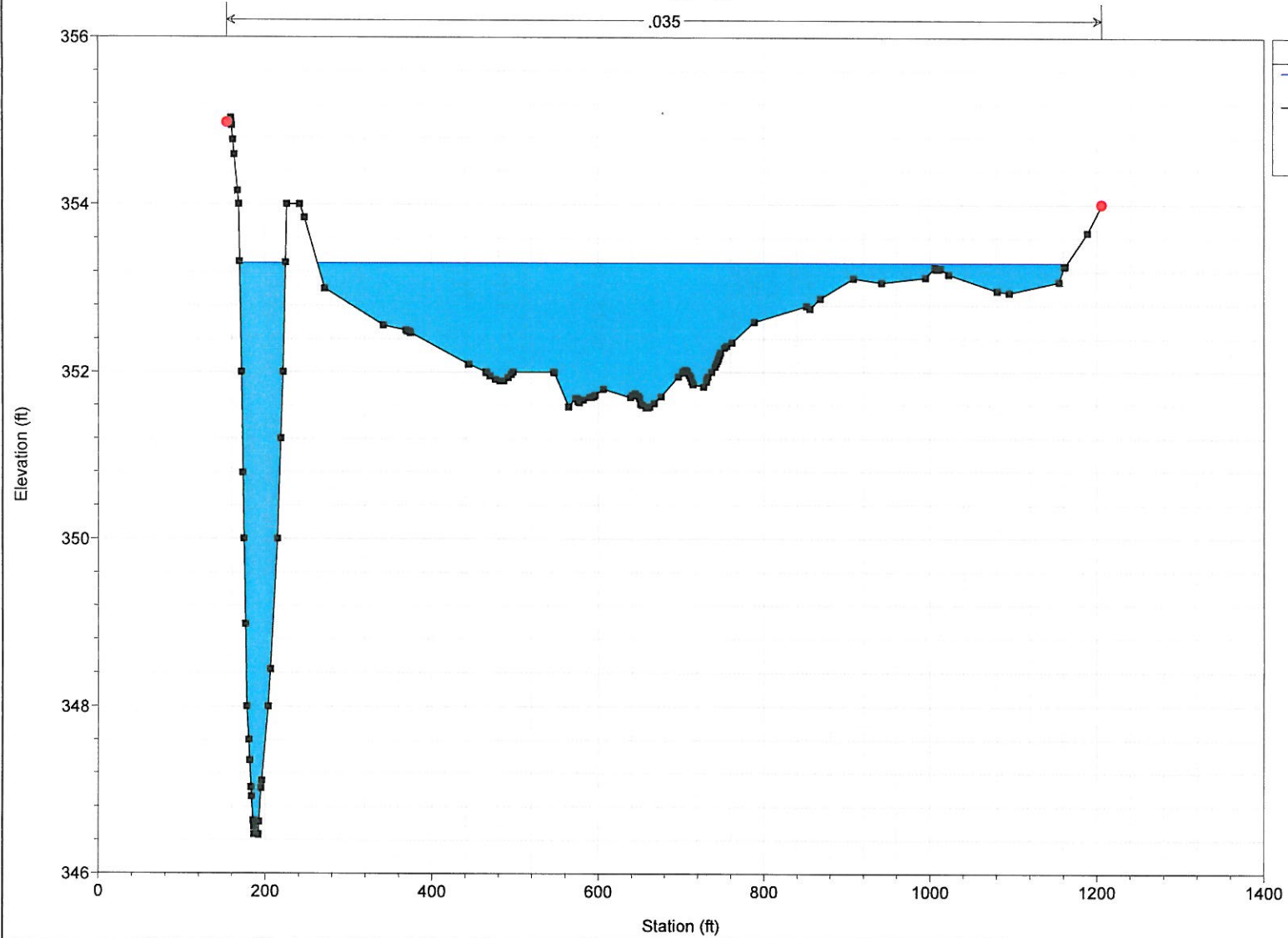
CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.83	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.52	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 353.31	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 353.31	* Flow Area (sq ft)		* 979.98	
* E.G. Slope (ft/ft)	* 0.018237	* Area (sq ft)		* 979.98	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 957.04	* Top Width (ft)		* 957.04	
* Vel Total (ft/s)	* 5.81	* Avg. Vel. (ft/s)		* 5.81	
* Max Chl Dpth (ft)	* 6.85	* Hydr. Depth (ft)		* 1.02	
* Conv. Total (cfs)	* 42192.6	* Conv. (cfs)		* 42192.6	
* Length Wtd. (ft)		* Wetted Per. (ft)		* 959.58	
* Min Ch El (ft)	* 346.46	* Shear (lb/sq ft)		* 1.16	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 1205.92	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 6.01	
* C & E Loss (ft)		* Cum SA (acres)		* 3.87	

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 18



CROSS SECTION
REACH: Reach-1

RS: 17

INPUT

Description: 137

Station Elevation Data num= 110

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
149.3	354.53	160.94	354.63	161.78	354.53	162.84	354.4	163.85	354.27
166.02	354	166.29	353.8	168.78	352	170.44	350.9	172.96	349.54
175.5	348	181.9	346.24	182.76	346	191.53	346	196.49	346.7
205.4	348	208.26	348.66	214.48	350	218.89	351.72	219.67	352
221.38	352.68	224.67	354	243.99	354	269.53	352.99	282.37	352.55
301.49	352.43	381.69	352.25	394.54	352.18	397.39	352.15	424.57	352.01
428.34	352.01	440.21	352.04	441.54	352.05	443.04	352.05	444.13	352.06
448.4	352.06	450.01	352.05	451.06	352.05	452.81	352.04	464.35	352
469.4	351.94	473.47	351.88	476.1	351.85	480.39	351.81	482.04	351.81
484.98	351.49	487.64	351.79	488.43	351.8	490.56	351.81	491.69	351.83
498.66	351.91	501	351.94	502.83	351.96	504.57	351.97	534.42	351.75
541.08	351.69	561.7	351.58	562.51	351.58	562.9	351.57	564.27	351.53
566.77	351.48	567.81	351.49	568.11	351.49	568.2	351.48	568.79	351.48
569.02	351.49	570.85	351.49	571.37	351.5	572.18	351.5	647.1	351.3
660.26	351.35	712.34	351.66	713.64	351.66	714.96	351.64	715.49	351.62
715.97	351.61	716.69	351.6	717.97	351.59	719.7	351.59	721.43	351.58
722.65	351.61	722.78	351.62	723.34	351.63	726.64	351.67	727.54	351.69
728.34	351.7	732.56	351.79	743.17	351.94	750.07	352.01	761.06	352.08
806.41	352.5	851.36	352.62	866.86	352.48	867.99	352.48	918.44	352.95
926.53	353	933.49	352.99	956.63	353.02	1004.42	352.95	1013.58	353.25
1017.69	353.25	1020.14	353.26	1087.5	353.03	1094.13	353.06	1096.1	353.06
1098.2	353.07	1146.69	353.19	1149.34	353.19	1161.12	353.23	1201.23	354

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
149.3	.035	149.3	.035	1201.23	.035

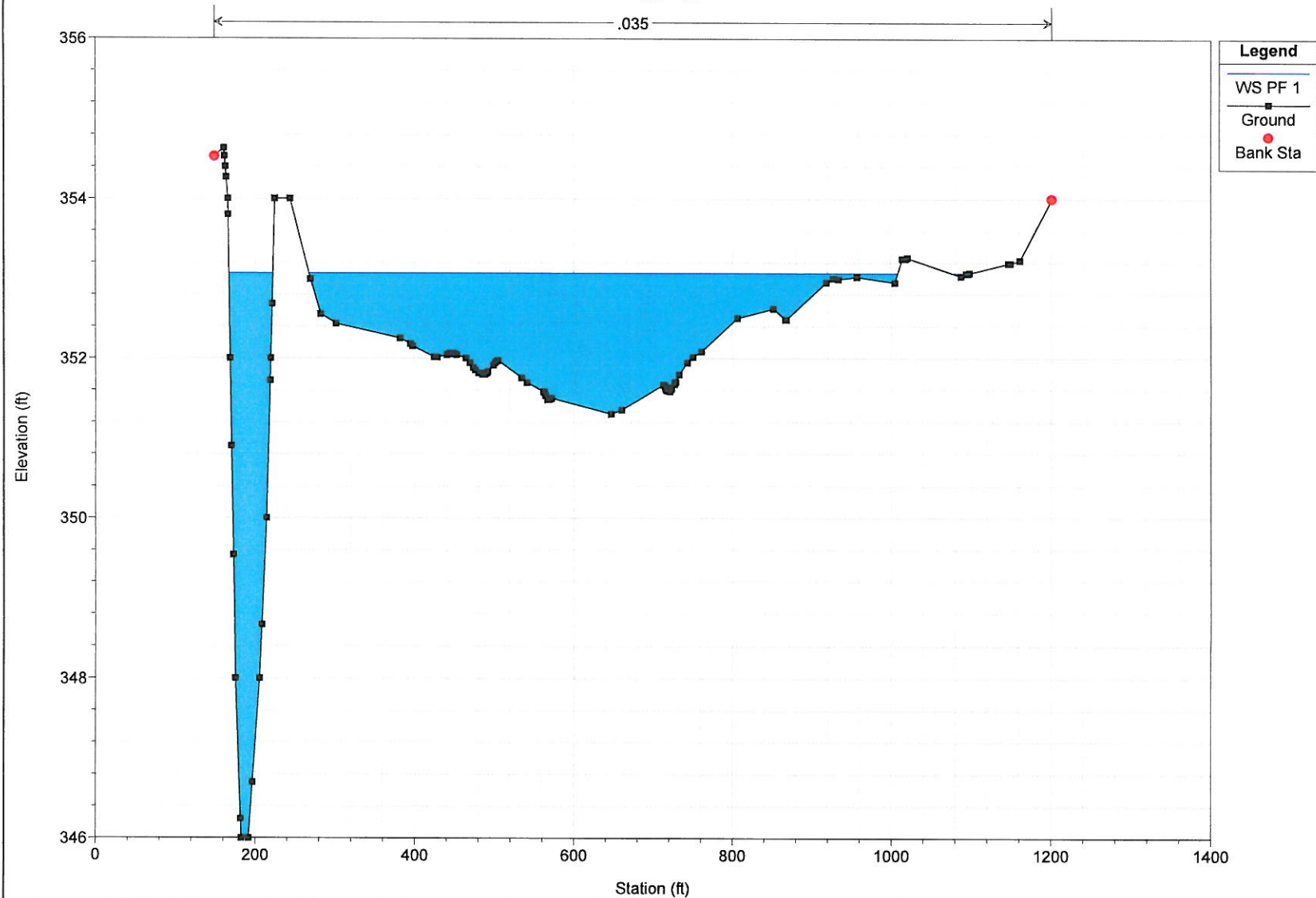
Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	149.3	1201.23		25	25	25.01		.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.64	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.57	* Wt. n-Val.	* 0.035	*	*
* W.S. Elev (ft)	* 353.07	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 353.07	* Flow Area (sq ft)	*	* 939.11	*
* E.G. Slope (ft/ft)	* 0.017102	* Area (sq ft)	*	* 939.11	*
* Q Total (cfs)	* 5697.90	* Flow (cfs)	*	* 5697.90	*
* Top Width (ft)	* 819.34	* Top Width (ft)	*	* 819.34	*
* Vel Total (ft/s)	* 6.07	* Avg. Vel. (ft/s)	*	* 6.07	*
* Max Chl Dpth (ft)	* 7.07	* Hydr. Depth (ft)	*	* 1.15	*
* Conv. Total (cfs)	* 43571.0	* Conv. (cfs)	*	* 43571.0	*
* Length Wtd. (ft)	*	* Wetted Per. (ft)	*	* 822.03	*
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	*	* 1.22	*
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 1201.23	* 0.00	* 0.00
* Frctn Loss (ft)	*	* Cum Volume (acre-ft)	*	* 5.46	*
* C & E Loss (ft)	*	* Cum SA (acres)	*	* 3.36	*

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012
RS = 17



CROSS SECTION
REACH: Reach-1

RS: 16

INPUT

Description: 138

Station Elevation Data

num= 96

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
143.75	354.06	162.38	354.22	163.73	354.07	164.31	354	165.23	353.29
166.96	352	169.12	350.44	169.78	350	170.7	349.6	173.93	348
180.24	346.18	180.82	346	194.78	346	205.35	347.77	206.63	348
207.18	348.16	214.04	350	218.02	351.59	219.1	352	219.89	352.31
223.84	354	238.2	354	243.8	353.78	293.1	352.23	294.92	352.21
297.46	352.2	345.58	352.08	346.03	352.08	346.61	352.09	347.46	352.09
347.74	352.08	351.77	352.08	393.93	352	394.6	352	409.45	351.95
411.33	351.95	415.24	351.93	425.43	351.9	428.18	351.9	430.71	351.91
436.43	351.97	438.57	352	439.14	352	440.45	352.01	441.21	352.02
456.02	352.02	460.58	352	483.95	351.74	486.23	351.71	486.74	351.7
487.88	351.7	488.17	351.69	489.1	351.69	489.51	351.7	489.91	351.7
490.28	351.71	491.07	351.72	491.51	351.72	491.87	351.73	492.2	351.73
506.24	351.62	601.63	351.18	649.39	351.07	702.39	351.28	719.75	351.44
756.12	351.85	758.74	351.87	763.07	351.89	779.03	352	797.1	352.22
799.84	352.26	802.11	352.28	806.04	352.3	811.32	352.3	812.68	352.31
829.66	352.39	851.45	352.44	878.59	352.2	880.57	352.2	910.04	352.48
911.69	352.47	916.45	352.45	918.85	352.45	922.08	352.47	923.03	352.48
923.68	352.5	924.18	352.54	924.54	352.59	926.6	352.66	929.3	352.65
935.23	352.65	936.88	352.66	938.46	352.66	943.87	352.7	992.04	352.63
1017.69	353.47								

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
143.75	.035	143.75	.035	1017.69	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	143.75	1017.69		25	25	25.01	.1 .3

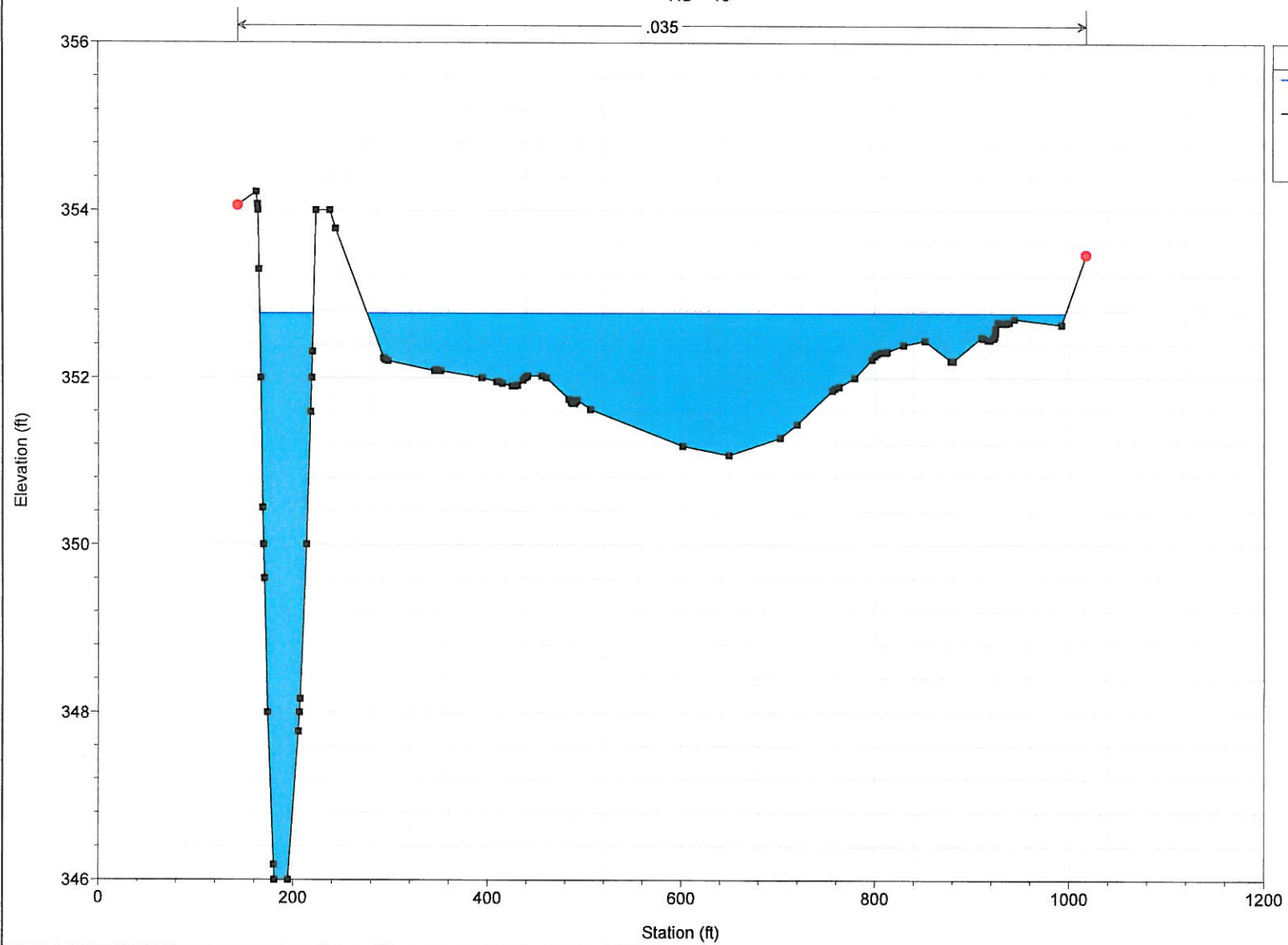
CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.42	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.65	* Wt. n-Val.	* 25.00	* 0.035	* 25.01
* W.S. Elev (ft)	* 352.77	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.77	* Flow Area (sq ft)	* 883.51	* 883.51	* 883.51
* E.G. Slope (ft/ft)	* 0.019480	* Area (sq ft)	* 883.51	* 883.51	* 883.51
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* 5697.90	* 5697.90	* 5697.90
* Top Width (ft)	* 775.46	* Top Width (ft)	* 775.46	* 775.46	* 775.46
* Vel Total (ft/s)	* 6.45	* Avg. Vel. (ft/s)	* 6.45	* 6.45	* 6.45
* Max Chl Dpth (ft)	* 6.77	* Hydr. Depth (ft)	* 1.14	* 1.14	* 1.14
* Conv. Total (cfs)	* 40824.6	* Conv. (cfs)	* 40824.6	* 40824.6	* 40824.6
* Length Wtd. (ft)	* 775.46	* Wetted Per. (ft)	* 778.10	* 778.10	* 778.10
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	* 1.38	* 1.38	* 1.38
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 1017.69	* 0.00	* 0.00
* Frctn Loss (ft)	* 4.94	* Cum Volume (acre-ft)	* 4.94	* 4.94	* 4.94
* C & E Loss (ft)	* 2.90	* Cum SA (acres)	* 2.90	* 2.90	* 2.90

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 16



CROSS SECTION
REACH: Reach-1

RS: 15

INPUT

Description: 139

Station Elevation Data				num=	83				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
141.74	354	162.25	354	163.89	352.84	165.13	352	166.72	350.88
167.98	350	171.9	348	177.69	346.13	178.09	346	203.31	346
206.47	347.28	208.01	348	210.29	348.93	218.02	351.72	218.84	352
219.82	352.35	224.37	354	230	354	295.12	352.22	297.09	352.16
302.74	352	305.62	351.98	317.63	351.95	321.25	351.96	323.38	351.98
324.14	352	327.44	352.01	333.08	352.01	335.97	352	336.18	352
346.79	351.93	350.42	351.92	353.8	351.92	356.8	351.95	358.48	351.98
359.14	352	381.91	352	411.56	351.85	422.46	351.81	423.93	351.8
425.27	351.8	426.92	351.79	428.09	351.79	429.47	351.78	431.21	351.78
432.36	351.79	433.5	351.81	434.13	351.82	435.12	351.84	436.98	351.86
439.49	351.86	440.88	351.85	453.12	351.91	477.51	351.58	642.21	350.86
651.68	350.84	662.19	350.88	724.14	351.43	736.88	351.58	737.8	351.58
789.35	352.01	798.68	352.06	811.24	352.07	814.47	352.08	845.66	352.23
847.22	352.24	849.16	352.26	850.68	352.26	851.78	352.25	853.23	352.23
855.69	352.21	859.53	352.17	878.45	352	914.76	352	915.33	352.08
920.18	352.23	934.31	352.21	944.29	352.24	946.57	352.25	947.98	352.25
960.67	352.34	979.65	352.31	1021.8	353.7				

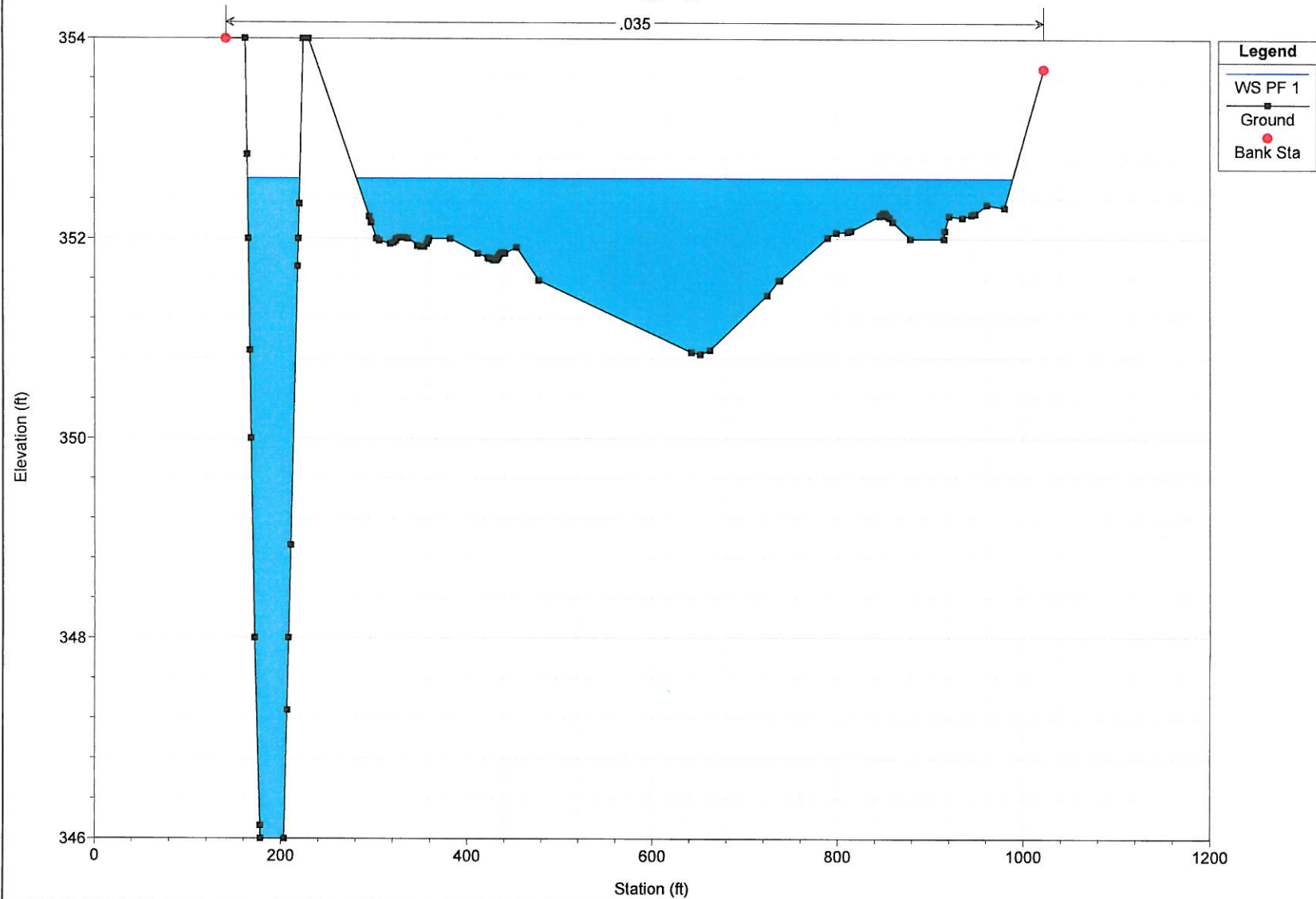
Manning's n Values				num=	3
Sta	n Val	Sta	n Val	Sta	n Val
141.74	.035	141.74	.035	1021.8	.035

Bank	Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
	141.74	1021.8	25	25	25.01	.1		.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.22	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.62	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 352.61	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.61	* Flow Area (sq ft)		* 902.49	
* E.G. Slope (ft/ft)	* 0.017795	* Area (sq ft)		* 902.49	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 763.87	* Top Width (ft)		* 763.87	
* Vel Total (ft/s)	* 6.31	* Avg. Vel. (ft/s)		* 6.31	
* Max Chl Dpth (ft)	* 6.61	* Hydr. Depth (ft)		* 1.18	
* Conv. Total (cfs)	* 42713.1	* Conv. (cfs)		* 42713.1	
* Length Wtd. (ft)		* Wetted Per. (ft)		* 766.75	
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)		* 1.31	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 1021.80	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 4.43	
* C & E Loss (ft)		* Cum SA (acres)		* 2.46	

WR-GOMEZ CREEK PRE-1 Plan: Imported Plan 01 11/20/2012
RS = 15



CROSS SECTION
REACH: Reach-1

RS: 14

INPUT

Description: 140

Station Elevation Data

num= 89

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
143.18	354	161.27	354	163.76	352.14	163.94	352	164.09	351.88
166.48	350	168.69	348.88	170.22	348	174.84	346.65	177.32	346
205.6	346	208.79	347.69	209.33	348	210	348.32	213.38	350
218.83	351.94	219.02	352	219.35	352.11	219.66	352.23	220.04	352.35
224.13	353.74	227.64	353.86	229.24	353.8	231.65	353.69	238.66	353.38
242.88	353.18	274.86	352.29	277.48	352.27	323.58	352	331.46	351.92
336.51	351.86	337.86	351.83	338.29	351.81	338.87	351.8	339.9	351.79
342.97	351.77	345.3	351.77	345.84	351.78	346.17	351.79	348.86	351.79
351.79	351.77	352.71	351.76	353.57	351.76	354.33	351.77	354.76	351.78
355.46	351.8	356.73	351.82	359.36	351.84	362.42	351.85	363.93	351.84
389.99	351.85	433.05	351.61	446.95	351.67	462.11	351.47	588.88	350.95
649.33	350.94	657.36	351.03	660.91	351.03	662.11	351.04	665.26	351.04
665.4	351.05	666.15	351.06	669.63	351.1	670.28	351.11	725.11	351.54
729.28	351.41	767.45	351.74	771.48	351.76	790.75	352	799.97	351.83
802.51	351.83	811.4	351.85	813.98	351.85	816.46	351.86	819.1	351.88
825.13	351.96	827.2	352	831.16	352.04	833.59	352.04	843.17	352
847.65	351.94	847.82	351.89	868.77	352	966.78	352	968.17	352.01
970.78	352.05	976.93	352.74	1000.72	353.1	1025.91	353.93		

Manning's n Values

num= 3

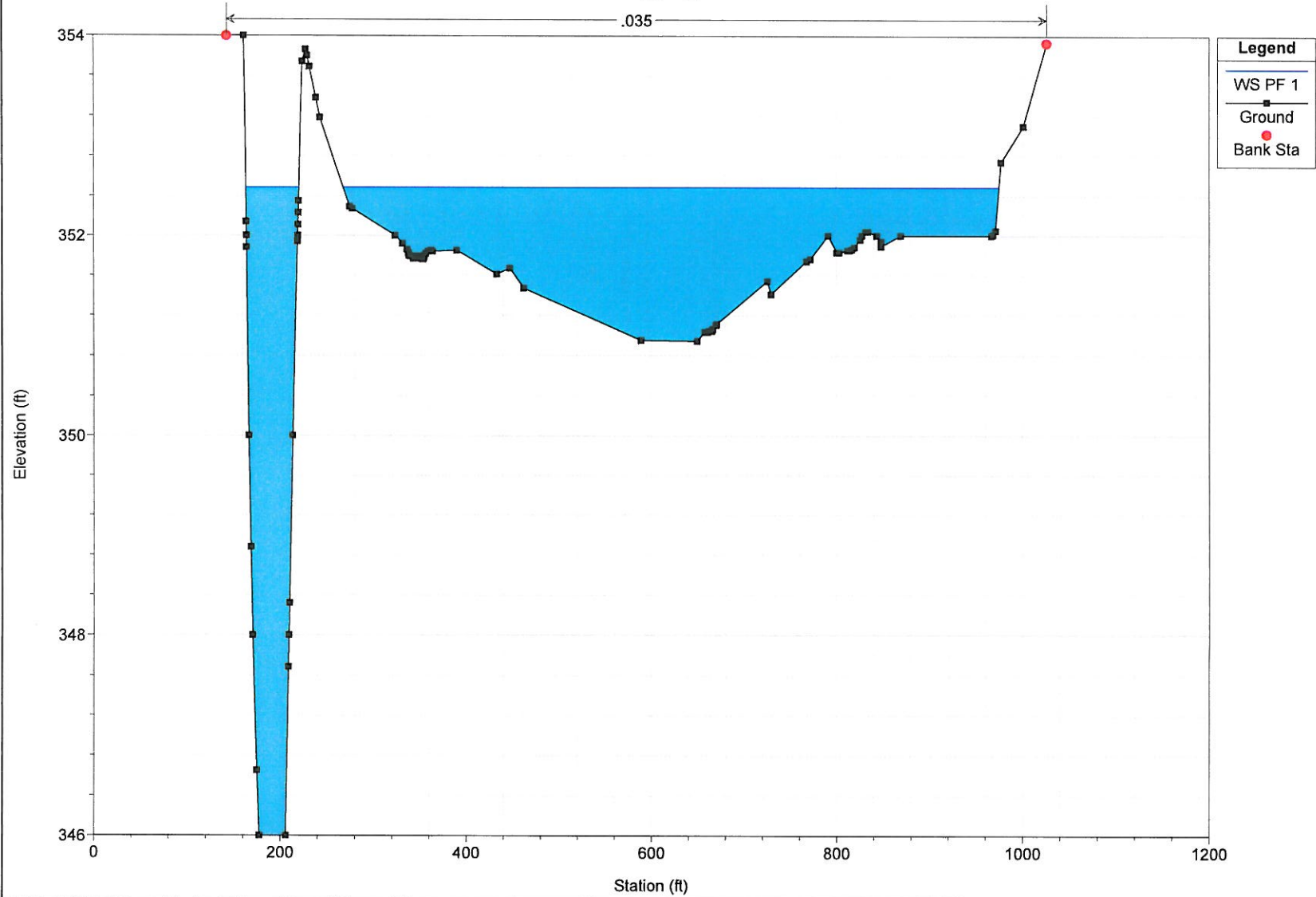
Sta	n Val	Sta	n Val	Sta	n Val
143.18	.035	143.18	.035	1025.91	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	143.18	1025.91		25	25	25.01	.1 .3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.11	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.62	* Wt. n-Val.	* 25.00	* 0.035	* 25.01
* W.S. Elev (ft)	* 352.49	* Reach Len. (ft)			
* Crit W.S. (ft)	* 352.49	* Flow Area (sq ft)		* 899.72	
* E.G. Slope (ft/ft)	* 0.017994	* Area (sq ft)		* 899.72	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 764.15	* Top Width (ft)		* 764.15	
* Vel Total (ft/s)	* 6.33	* Avg. Vel. (ft/s)		* 6.33	
* Max Chl Dpth (ft)	* 6.49	* Hydr. Depth (ft)		* 1.18	
* Conv. Total (cfs)	* 42476.9	* Conv. (cfs)		* 42476.9	
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)		* 767.24	
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)		* 1.32	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 1025.91	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 3.91	
* C & E Loss (ft)		* Cum SA (acres)		* 2.02	

WR-GOMEZ CREEK PRE-1 Plan: Imported Plan 01 11/20/2012
RS = 14



CROSS SECTION
REACH: Reach-1

RS: 13

INPUT

Description: 141

Station Elevation Data

num=

85

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
143.29	354	161.26	354	161.86	353.47	163.52	352	164.81	350.8
165.71	350	166.09	349.65	167.74	348	173.16	346.79	176.86	346
199.84	346	206.31	347.39	208.47	348	209.81	348.45	214.34	350
218.7	351.7	219.44	352	245	352.38	249.65	352.44	252.97	352.45
253.89	352.45	255.31	352.43	255.44	352.42	256.76	352.4	258.97	352.39
263.63	352.39	265.44	352.38	312.21	352	315.1	351.96	323.1	351.93
339.78	351.65	358.38	351.51	418.49	351.51	420.89	351.49	435.33	351.41
440.77	351.44	446.7	351.36	498.09	351.16	548.71	351.18	550.66	351.19
553.58	351.19	555.57	351.2	558.54	351.2	560.47	351.21	562.64	351.21
563.22	351.22	563.67	351.22	564.3	351.23	565.5	351.23	578.48	351.16
645.45	351.15	664.17	351.36	666.85	351.37	675.23	351.37	682.36	351.39
682.56	351.39	682.87	351.4	684.62	351.42	694.25	351.55	722.09	351.76
735.3	351.38	745.11	351.46	746.14	351.47	788.81	352	809.22	351.62
812.23	351.62	812.77	351.63	813.33	351.63	815.82	351.67	816.51	351.67
818.67	351.65	819.48	351.64	887.53	352	895.27	352	901.59	352.33
905.45	352.45	909.22	352.58	913.38	352.58	919.86	352.48	924.45	352.78
926.29	352.77	931.7	352.87	938.1	353.25	940.71	353.38	950.99	354

Manning's n Values

num=

3

Sta	n Val	Sta	n Val	Sta	n Val
143.29	.035	143.29	.035	950.99	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	143.29	950.99		25	25	25.01	.1 .3

CROSS SECTION OUTPUT Profile #PF 1

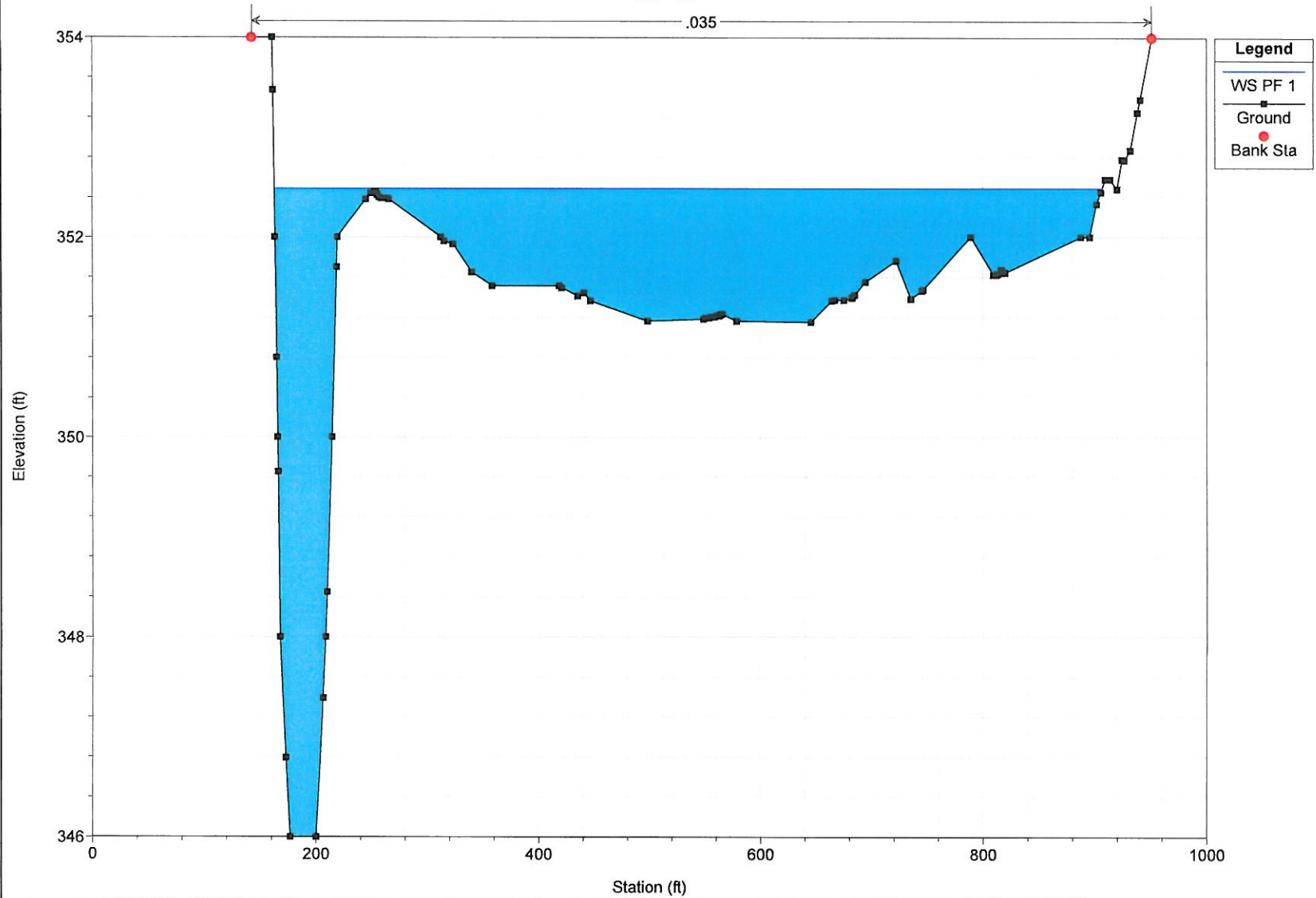
* E.G. Elev (ft)	* 353.11	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.62	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 352.49	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.49	* Flow Area (sq ft)	* 899.21		
* E.G. Slope (ft/ft)	* 0.017410	* Area (sq ft)	* 899.21		
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* 5697.90		
* Top Width (ft)	* 744.46	* Top Width (ft)	* 744.46		
* Vel Total (ft/s)	* 6.34	* Avg. Vel. (ft/s)	* 6.34		
* Max Chl Dpth (ft)	* 6.49	* Hydr. Depth (ft)	* 1.21		
* Conv. Total (cfs)	* 43182.9	* Conv. (cfs)	* 43182.9		
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)	* 747.44		
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	* 1.31		
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 950.99	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.44	* Cum Volume (acre-ft)	* 3.39		
* C & E Loss (ft)	* 0.00	* Cum SA (acres)	* 1.59		

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 13

.035



CROSS SECTION
REACH: Reach-1

RS: 12

INPUT

Description: 142

Station Elevation Data num= 88

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
142.2	354	149.86	354	153.09	353.62	157.53	353.15	158.8	353.21
159.54	354	160.76	354	161.04	353.71	163.11	352	163.85	351.27
165.06	350	166.34	348.72	167.03	348	172.04	346.48	172.85	346
193.55	346	194.4	346.11	202.27	347.05	209.12	348	211.62	348.8
215.08	350	218.07	351.17	220.41	352	228.62	352.11	235.2	352.21
249.8	352.25	253.81	352.25	260.06	352.15	260.63	352.1	266.46	352.05
276.14	352	278.7	352	291.77	351.9	296.54	351.9	304.15	351.81
316.1	351.59	316.75	351.58	317.14	351.57	317.73	351.57	318.97	351.55
365.81	351.21	429.37	351.19	436.1	351.36	437.43	351.37	441.95	351.37
443.71	351.38	538.94	351.42	557.41	351.46	559.81	351.47	564.31	351.47
565.39	351.48	576.42	351.51	577.99	351.52	579.2	351.52	580.89	351.54
584.14	351.56	619.05	351.36	641.58	351.35	670.97	351.7	683.96	351.7
699.54	351.74	699.86	351.75	700.35	351.75	703.09	351.79	718.22	351.99
719.06	351.99	719.81	351.97	726.69	351.85	731.44	351.8	735.98	351.77
740.13	351.77	743.74	351.78	753.14	351.79	777.47	351.88	786.86	352
790.85	351.93	796.61	351.96	801.38	352	802	352.04	802.25	352.04
807.78	352.4	812.85	352.86	818.8	353.08	823.9	353.33	834.17	353.67
835.12	353.7	836.56	353.7	844.21	354				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
142.2	.035	142.2	.035	844.21	.035

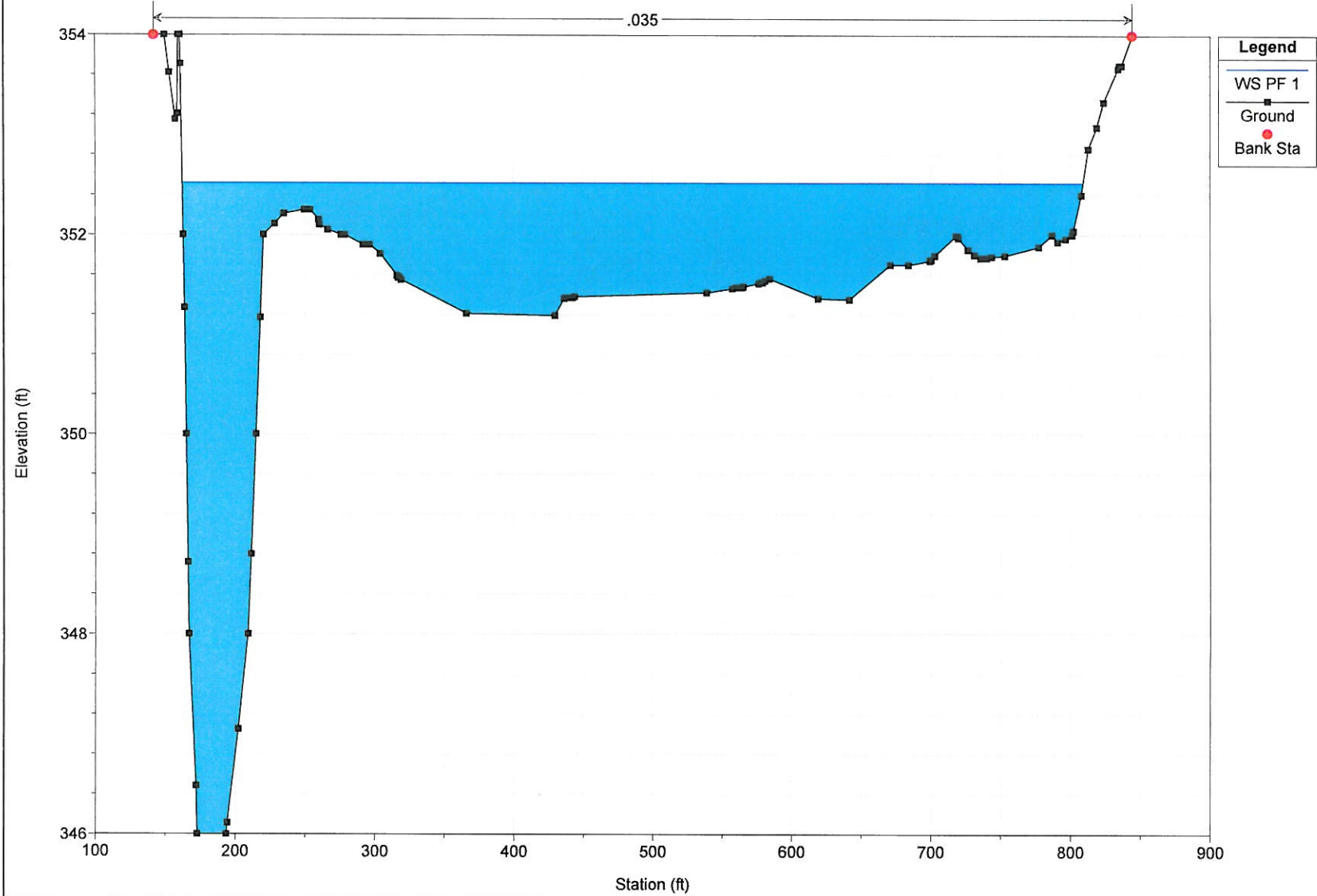
Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	142.2	844.21		25 25	25.01	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.24	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.72	* Wt. n-Val.	* 25.00	* 0.035	*
* W.S. Elev (ft)	* 352.52	* Reach Len. (ft)	*	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.52	* Flow Area (sq ft)	*	* 835.51	*
* E.G. Slope (ft/ft)	* 0.018451	* Area (sq ft)	*	* 835.51	*
* Q Total (cfs)	* 5697.90	* Flow (cfs)	*	* 5697.90	*
* Top Width (ft)	* 646.62	* Top Width (ft)	*	* 646.62	*
* Vel Total (ft/s)	* 6.82	* Avg. Vel. (ft/s)	*	* 6.82	*
* Max Chl Dpth (ft)	* 6.52	* Hydr. Depth (ft)	*	* 1.29	*
* Conv. Total (cfs)	* 41947.4	* Conv. (cfs)	*	* 41947.4	*
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)	*	* 649.71	*
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	*	* 1.48	*
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 844.21	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.45	* Cum Volume (acre-ft)	*	* 2.90	*
* C & E Loss (ft)	* 0.01	* Cum SA (acres)	*	* 1.19	*

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012
RS = 12



CROSS SECTION
REACH: Reach-1

RS: 11

INPUT

Description: 143

Station Elevation Data				num=	68				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
136.77	352.95	149.58	353.2	161.6	352	162.61	350.97	163.61	350
164.21	349.41	165.63	348	166.92	346.7	167.54	346	204.8	346
205.77	346.31	210.62	348	214.55	349.36	216.25	350	221.04	351.72
221.8	352	222.39	352.16	226.7	352	246.63	352.05	253.74	352.05
256.88	352	269.53	352	272.36	351.98	277.71	351.92	316.44	351.67
322.44	351.67	344.93	351.11	373.23	350.91	408.56	350.89	434.14	351.57
439.2	351.58	440.66	351.58	441.72	351.59	453.51	351.6	456.36	351.61
559.26	351.72	563.16	351.74	570.48	351.75	572.25	351.75	590.21	351.8
592.76	351.81	594.74	351.83	600.42	351.87	602.77	351.89	621.82	351.78
626.54	351.87	631.51	352	634.08	352.05	634.33	352.05	638.52	352.11
643.46	352.12	648.41	352.1	657.48	352.02	657.56	352.02	663.99	352.01
669.91	352.02	676.34	352.11	681.25	352.13	683.28	352	690.16	352.36
697.06	352.36	700	352.39	705.47	352.49	716.44	352.72	717.6	352.85
717.84	352.86	718.2	352.89	732.14	354				

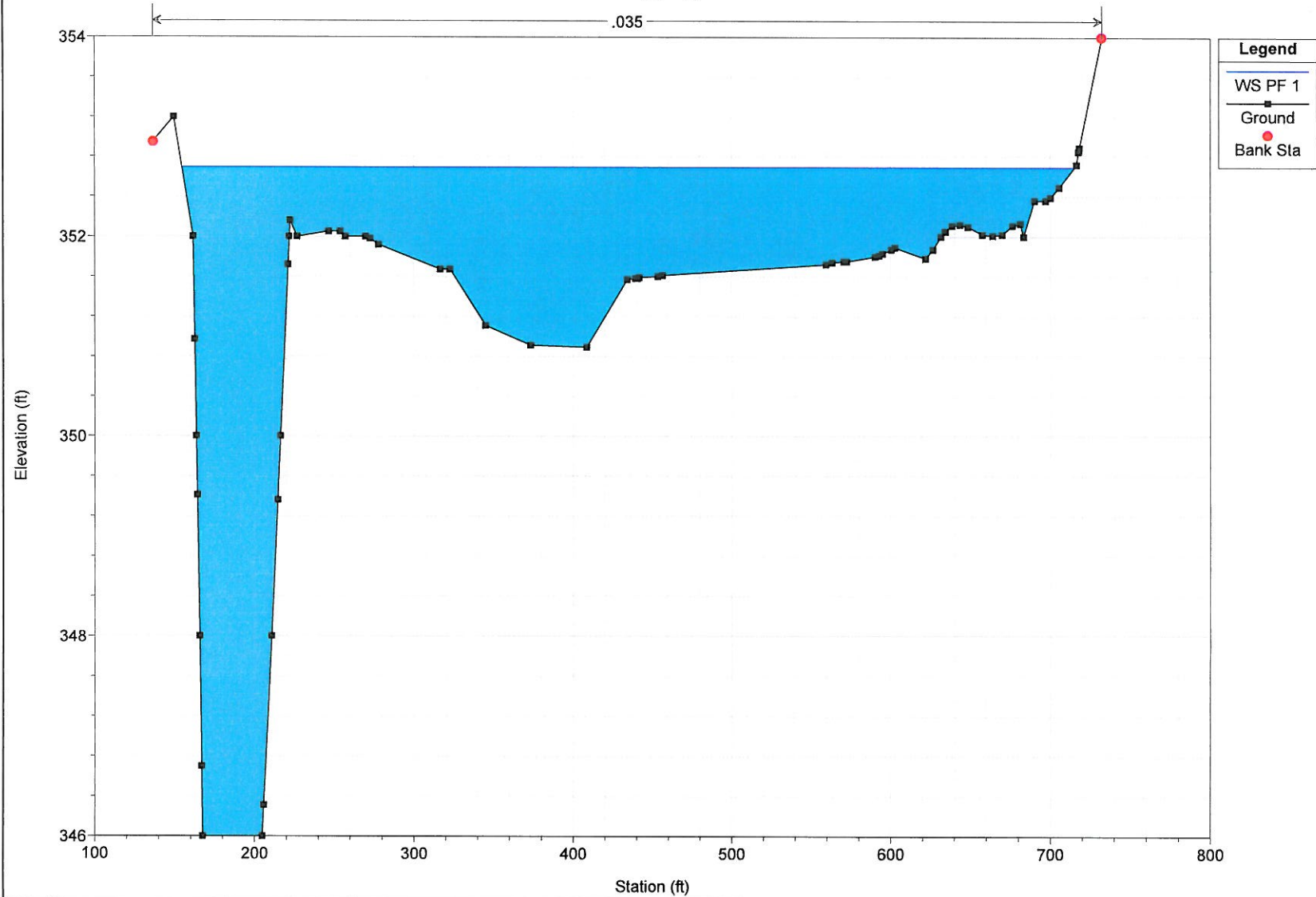
Manning's n Values				num=	3
Sta	n Val	Sta	n Val	Sta	n Val
136.77	.035	136.77	.035	732.14	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.	
	136.77	732.14		25	25	25.01	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.43	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.73	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 352.70	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.70	* Flow Area (sq ft)		* 830.78	
* E.G. Slope (ft/ft)	* 0.015583	* Area (sq ft)		* 830.78	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 560.68	* Top Width (ft)		* 560.68	
* Vel Total (ft/s)	* 6.86	* Avg. Vel. (ft/s)		* 6.86	
* Max Chl Dpth (ft)	* 6.70	* Hydr. Depth (ft)		* 1.48	
* Conv. Total (cfs)	* 45644.9	* Conv. (cfs)		* 45644.9	
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)		* 564.31	
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)		* 1.43	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 732.14	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.42	* Cum Volume (acre-ft)		* 2.42	
* C & E Loss (ft)	* 0.00	* Cum SA (acres)		* 0.84	

WR-GOMEZ CREEK PRE-1 Plan: Imported Plan 01 11/20/2012
RS = 11



CROSS SECTION
REACH: Reach-1

RS: 10

INPUT

Description: 144

Station Elevation Data num= 72

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
134.76	353.04	148.6	352.81	160.85	352	162.12	350.62	162.72	350
163.95	348.48	164.41	348	166.03	346.14	166.15	346	202.23	346
205.94	346.62	212.06	348	214.79	349.21	216.6	350	220.01	351.53
221.16	352	223.76	353.15	225.58	354	226.39	354.21	227.82	354.38
229.69	354.42	231.6	354.36	233.09	354.19	234.21	354	235.3	353.83
239.96	353.18	242.85	352.95	248.89	352.29	250.71	352	251.57	351.93
251.66	351.93	252.06	351.68	260.8	351.1	265.2	351.16	266.45	351.17
267.63	351.16	267.87	351.17	268.95	351.12	269.74	351.15	269.94	351.16
270.88	351.09	286.99	352	315.5	351.82	317.69	351.82	320.41	351.81
328.02	351.8	374.97	350.65	380.65	350.61	387.75	350.6	432.17	351.78
440.97	351.79	447.96	351.82	459.64	351.84	460.99	351.84	462.7	351.83
465.82	351.84	470.77	351.84	561.1	351.98	565.4	352	566.7	352.03
576.46	352.15	578.56	352.17	587	352.34	589.73	352.32	598.13	352.49
606.58	352.61	608.95	352.67	610.61	352.73	614.3	352.9	615.58	352.93
622.66	353.06	632.55	353.19						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
134.76	.035	134.76	.035	632.55	.035

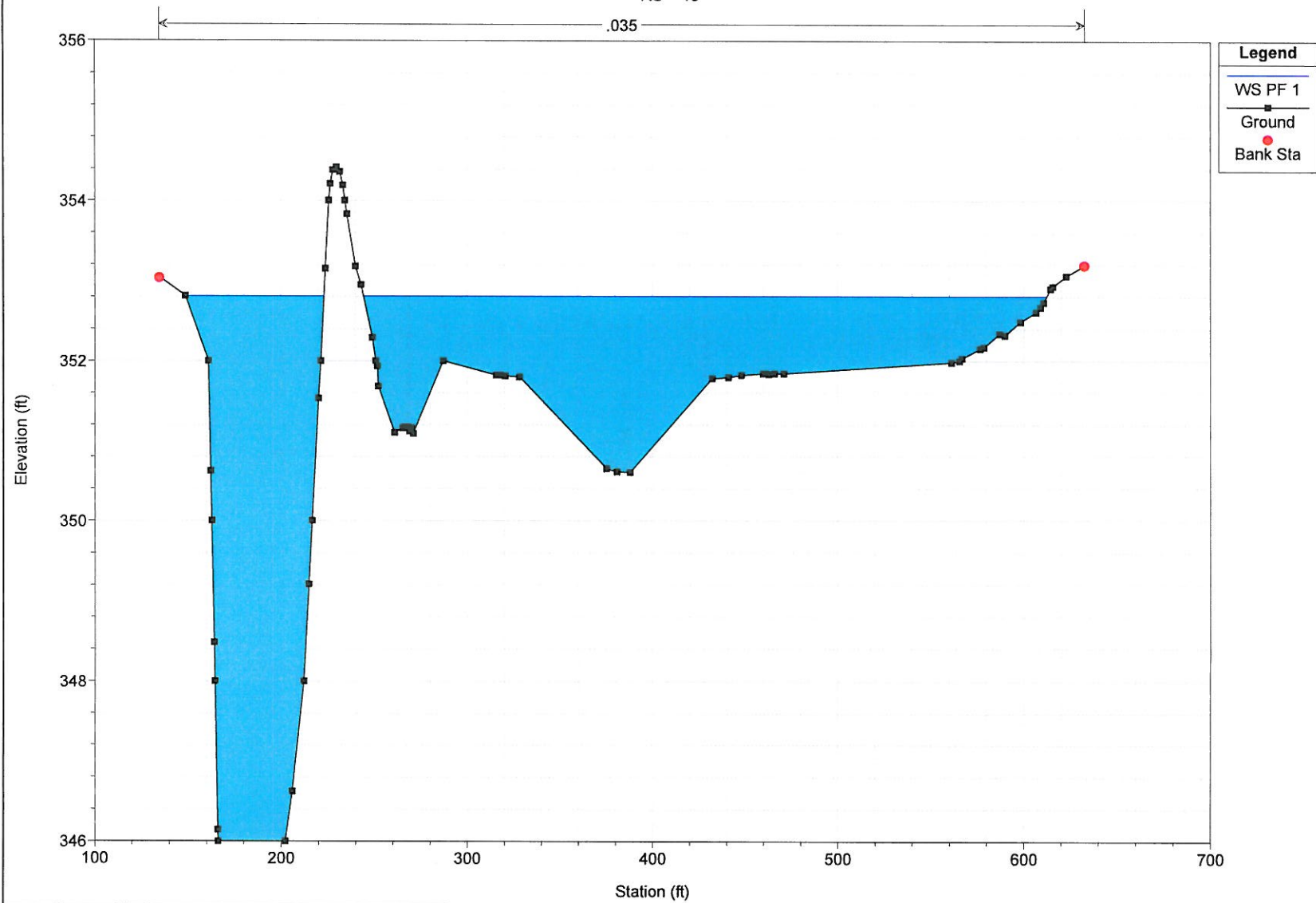
Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
134.76	632.55	25	25	25.01	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 353.67	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 0.86	* Wt. n-Val.	* *	* 0.035	* *
* W.S. Elev (ft)	* 352.81	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 352.81	* Flow Area (sq ft)	* *	* 765.92	* *
* E.G. Slope (ft/ft)	* 0.014971	* Area (sq ft)	* *	* 765.92	* *
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* *	* 5697.90	* *
* Top Width (ft)	* 442.73	* Top Width (ft)	* *	* 442.73	* *
* Vel Total (ft/s)	* 7.44	* Avg. Vel. (ft/s)	* *	* 7.44	* *
* Max Chl Dpth (ft)	* 6.81	* Hydr. Depth (ft)	* *	* 1.73	* *
* Conv. Total (cfs)	* 46568.4	* Conv. (cfs)	* *	* 46568.4	* *
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)	* *	* 446.90	* *
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	* *	* 1.60	* *
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 632.55	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.38	* Cum Volume (acre-ft)	* *	* 1.96	* *
* C & E Loss (ft)	* 0.01	* Cum SA (acres)	* *	* 0.55	* *

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012
RS = 10



CROSS SECTION
REACH: Reach-1

RS: 9

INPUT

Description: 145

Station Elevation Data num= 74

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
135.92	354.1	137.47	354.08	138.66	354.05	139.8	354	151.31	354
154.5	353.99	155.22	354	166.82	354	167.66	353.59	170.53	352
172.79	350.95	174.6	350	176.87	348.87	178.68	348	181.49	346.63
182.77	346	204.2	346	206.32	346.59	211.54	348	213.37	348.81
218.72	351.26	220.41	352	221.82	352.61	224.85	354	225.84	354.35
226.73	354.64	226.8	354.65	226.86	354.65	228.2	354.57	229.71	354.49
231.56	354.42	234.22	354.34	234.86	354.31	235.57	354.28	236.28	354.23
236.98	354.14	237.99	354	243.18	352.45	244.61	352.26	246.1	352
247.38	351.32	247.88	351.04	248.4	350.85	249.06	350.7	249.61	350.59
256.84	350	259.02	349.81	261.2	350	273	350	273.84	350.08
274.26	350.09	275.48	350.19	275.68	350.19	276.67	350.2	308.47	352
314.55	351.96	322.03	351.96	333.61	351.94	352.57	351.47	362.07	351.4
363.79	351.4	371.8	351.42	386.15	351.5	402.57	351.69	425.33	351.85
430.21	351.98	438.72	352	442.67	352.19	445.47	352.38	447.57	352.48
449.75	352.67	451.99	352.83	457.66	352.95	465.18	353.6		

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
135.92	.035	135.92	.035	465.18	.035

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff Contr.	Expan.
135.92	465.18	25	25	25.01	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

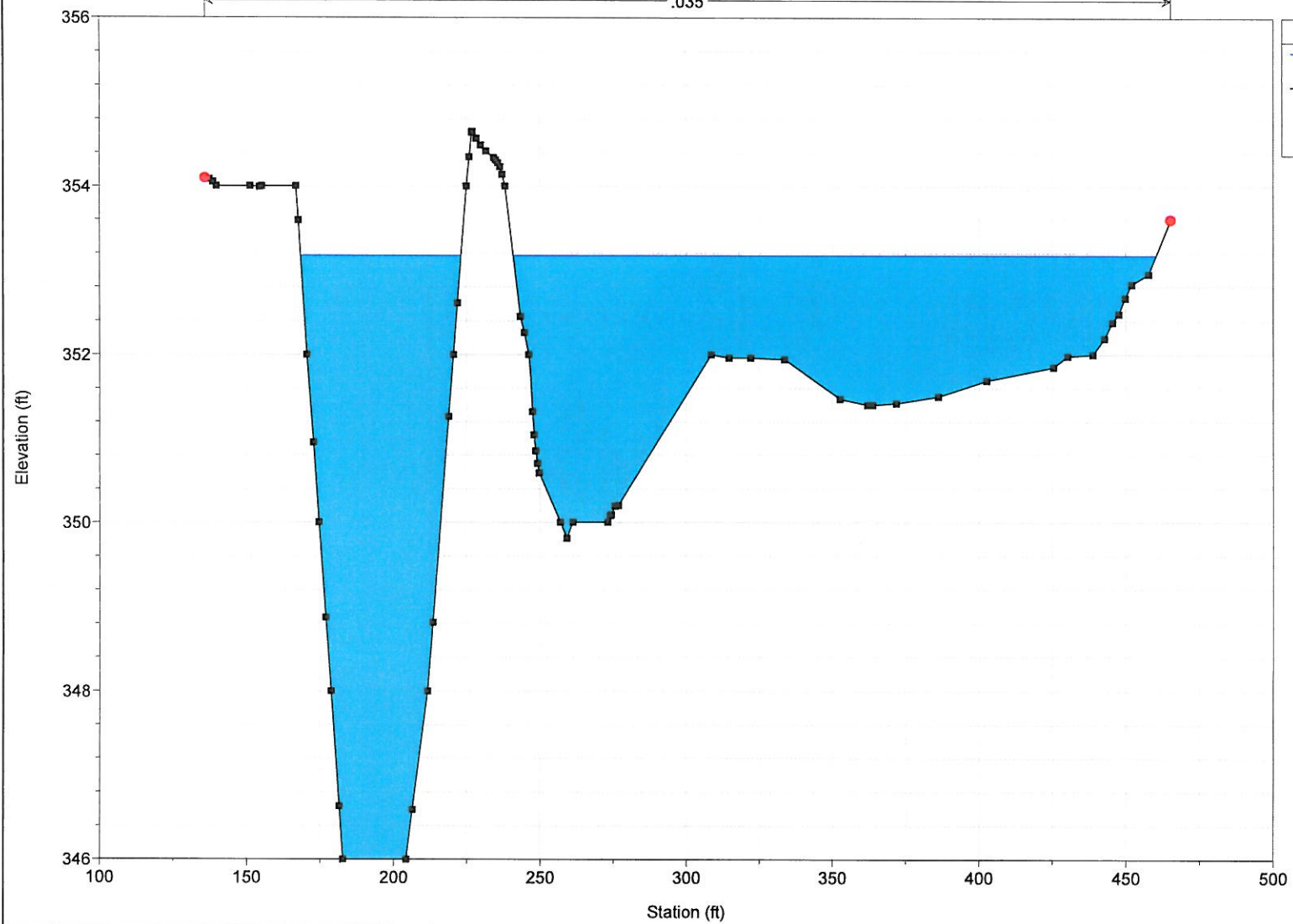
* E.G. Elev (ft)	* 354.39	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 1.21	* Wt. n-Val.	* *	* 0.035	* *
* W.S. Elev (ft)	* 353.18	* Reach Len. (ft)	* 25.00	* 25.00	* 25.01
* Crit W.S. (ft)	* 353.18	* Flow Area (sq ft)	* *	* 645.33	* *
* E.G. Slope (ft/ft)	* 0.014062	* Area (sq ft)	* *	* 645.33	* *
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* *	* 5697.90	* *
* Top Width (ft)	* 274.19	* Top Width (ft)	* *	* 274.19	* *
* Vel Total (ft/s)	* 8.83	* Avg. Vel. (ft/s)	* *	* 8.83	* *
* Max Chl Dpth (ft)	* 7.18	* Hydr. Depth (ft)	* *	* 2.35	* *
* Conv. Total (cfs)	* 48049.0	* Conv. (cfs)	* *	* 48049.0	* *
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)	* *	* 277.86	* *
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)	* *	* 2.04	* *
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 465.18	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.36	* Cum Volume (acre-ft)	* *	* 1.55	* *
* C & E Loss (ft)	* 0.04	* Cum SA (acres)	* *	* 0.35	* *

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 9

.035



Legend

WS PF 1

Ground

Bank Sta

CROSS SECTION
REACH: Reach-1

RS: 8

INPUT

Description: 146

Station Elevation Data		num= 45							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
129.67	354.66	129.72	354.67	129.91	354.66	130.05	354.66	130.17	354.65
130.23	354.65	163.11	354	167.87	354	169.79	353.1	171.86	352
174.52	350.73	175.93	350	177.04	349.44	180.01	348	181.19	347.42
184.02	346	208.37	346	209.19	346.24	209.83	346.41	210.93	346.64
215.62	347.85	217.33	347.85	218.73	347.77	219.36	347.63	219.97	347.28
221.44	347.02	221.72	347.2	221.75	347.31	222.04	347.44	222.66	347.61
228.31	348.87	228.53	348.91	228.66	348.93	228.75	348.95	229.03	349
230.83	349	231.65	349.05	261.78	351	262.29	351.38	266.58	351.31
285.96	352.56	291.43	352.92	292.74	353	308.22	354	496.19	354

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
129.67	.035	129.67	.035	496.19	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	129.67	496.19		75	75	.1	.3

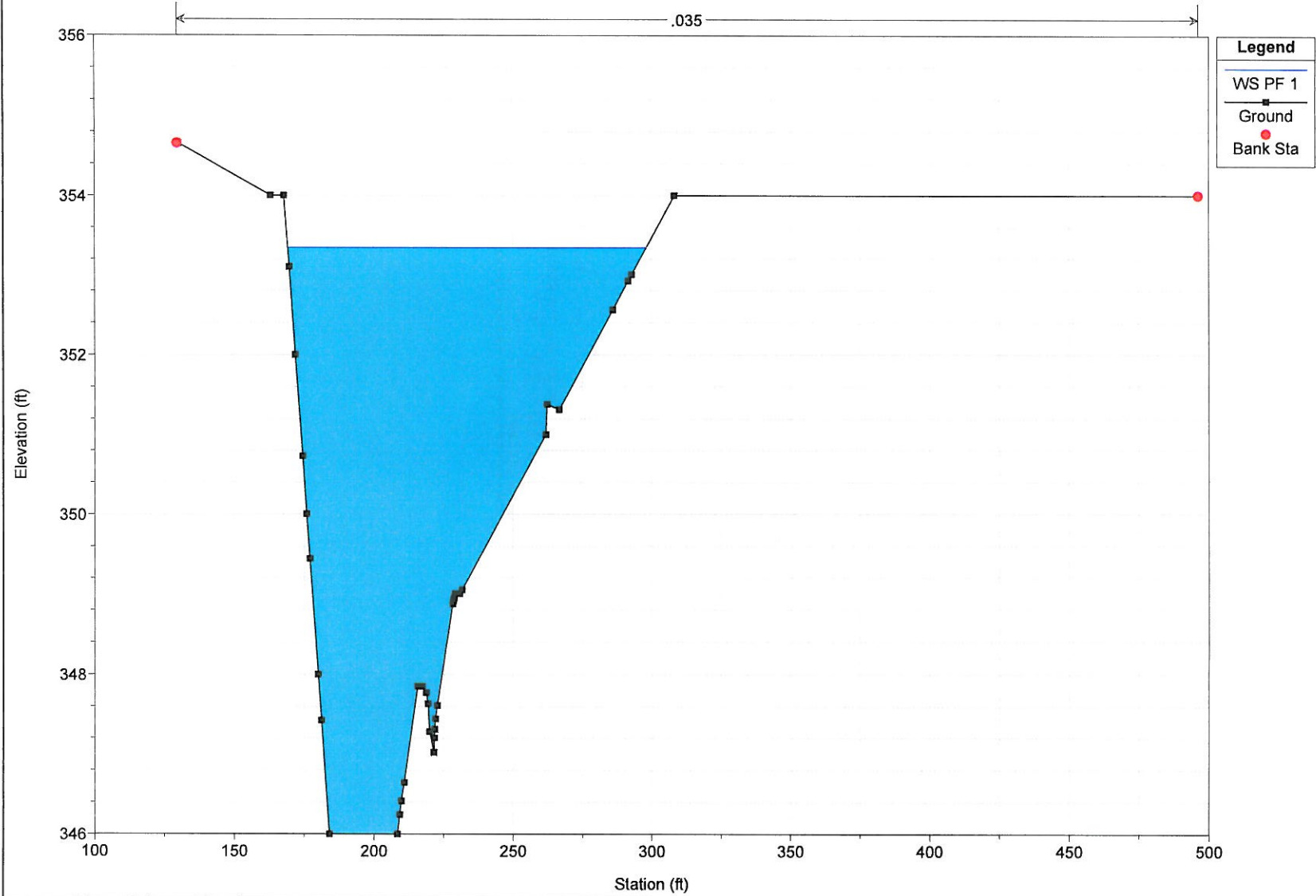
CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 355.32	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 1.97	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 353.35	* Reach Len. (ft)	* 75.00	* 75.00	* 75.00
* Crit W.S. (ft)	* 353.35	* Flow Area (sq ft)		* 505.82	
* E.G. Slope (ft/ft)	* 0.011686	* Area (sq ft)		* 505.82	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 128.85	* Top Width (ft)		* 128.85	
* Vel Total (ft/s)	* 11.26	* Avg. Vel. (ft/s)		* 11.26	
* Max Chl Dpth (ft)	* 7.35	* Hydr. Depth (ft)		* 3.93	
* Conv. Total (cfs)	* 52708.9	* Conv. (cfs)		* 52708.9	
* Length Wtd. (ft)	* 75.00	* Wetted Per. (ft)		* 131.54	
* Min Ch El (ft)	* 346.00	* Shear (lb/sq ft)		* 2.81	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 496.19	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.32	* Cum Volume (acre-ft)		* 1.22	
* C & E Loss (ft)	* 0.08	* Cum SA (acres)		* 0.23	

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 8



CROSS SECTION
REACH: Reach-1

RS: 5

INPUT

Description: 149

Station Elevation Data num= 45

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
110.5	354	167.68	354	169.34	353.18	170.42	352.73	171.41	352
173.63	350.27	174.05	350	174.75	349.58	177.43	348	180.28	346.45
181.36	346	181.79	345.65	184.79	344	207.02	344	211.18	345.67
211.94	346	213.63	346.72	215.04	347.27	216.87	348	218.61	348.69
220.91	349.58	222.06	350	224.98	351.18	226.88	352	228.39	352.85
229.2	353.25	229.53	353.46	229.67	353.59	229.72	353.81	229.81	353.84
229.95	353.87	230.06	353.9	230.14	353.91	230.27	353.92	230.39	353.91
230.8	353.91	230.89	353.9	231.05	353.88	231.76	353.83	232.06	353.8
232.5	353.78	233.1	353.74	234.63	353.66	235.63	353.61	237.9	353.49

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
110.5	.035	110.5	.035	237.9	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	110.5	237.9		25	25	840.82	.1 .3

CROSS SECTION OUTPUT Profile #PF 1

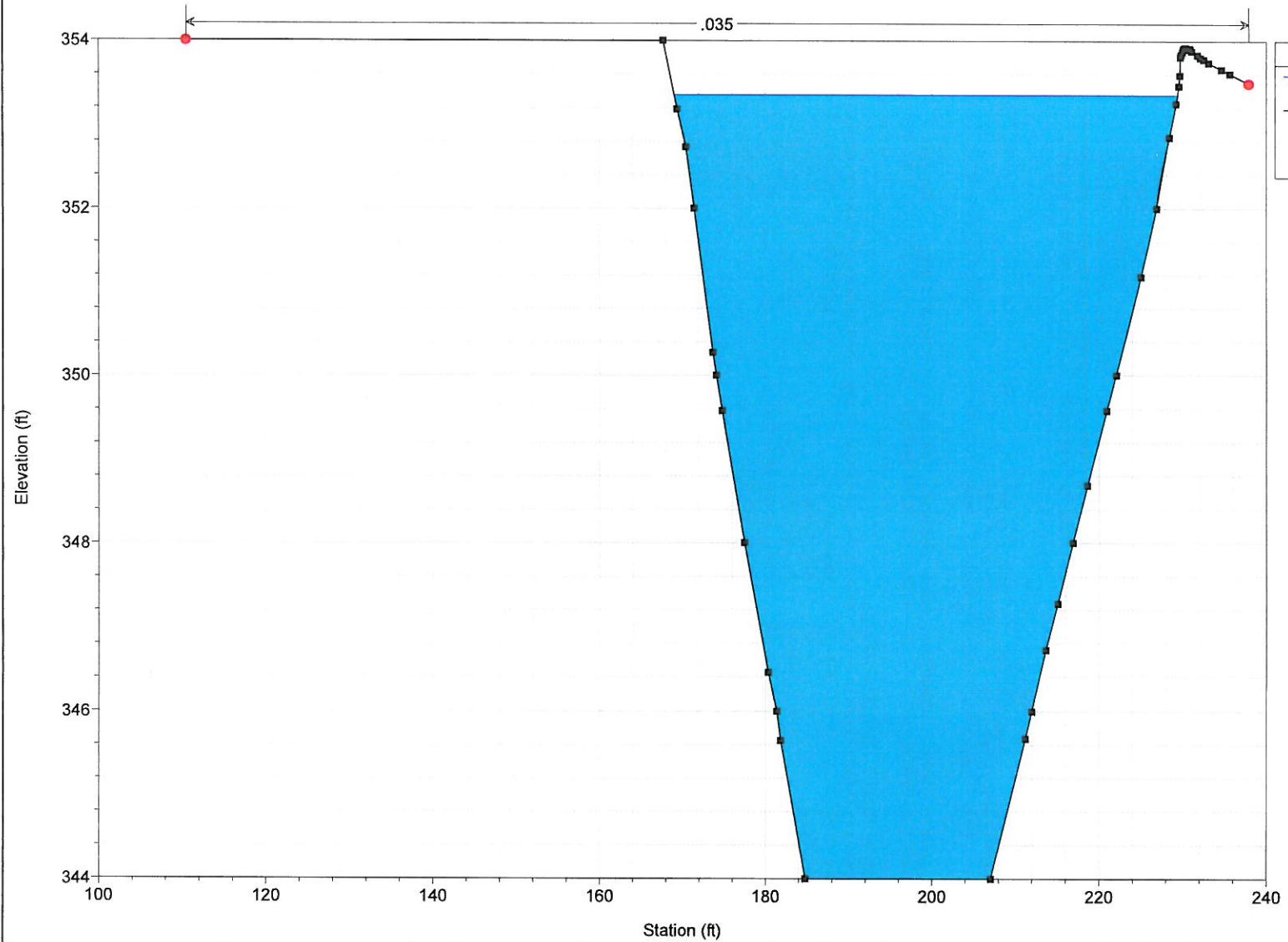
```
*****
* E.G. Elev (ft)      * 356.63 * Element          * Left OB * Channel * Right OB *
* Vel Head (ft)       * 3.27  * Wt. n-Val.       *          * 0.035  *          *
* W.S. Elev (ft)      * 353.36 * Reach Len. (ft)  * 25.00  * 25.00  * 840.82  *
* Crit W.S. (ft)      * 353.36 * Flow Area (sq ft) *          * 392.47 *          *
* E.G. Slope (ft/ft)  * 0.010615 * Area (sq ft)    *          * 392.47 *          *
* Q Total (cfs)       * 5697.90 * Flow (cfs)      *          * 5697.90 *          *
* Top Width (ft)      * 60.38  * Top Width (ft)   *          * 60.38  *          *
* Vel Total (ft/s)    * 14.52  * Avg. Vel. (ft/s) *          * 14.52  *          *
* Max Chl Dpth (ft)   * 9.36   * Hydr. Depth (ft) *          * 6.50   *          *
* Conv. Total (cfs)   * 55303.8 * Conv. (cfs)     *          * 55303.8 *          *
* Length Wtd. (ft)    * 25.00  * Wetted Per. (ft) *          * 64.91  *          *
* Min Ch El (ft)      * 344.00 * Shear (lb/sq ft) *          * 4.01   *          *
* Alpha              * 1.00   * Stream Power (lb/ft s) * 237.90 * 0.00  * 0.00  *
* Frctn Loss (ft)     * 0.83   * Cum Volume (acre-ft) *          * 0.45   *          *
* C & E Loss (ft)     * 0.13   * Cum SA (acres)   *          * 0.07   *          *
*****
```

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 5

.035



CROSS SECTION
REACH: Reach-1

RS: 4

INPUT

Description: 150

Station Elevation Data		num=		30							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
160.9	354.32	162.27	354.32	165.63	354.28	167.36	354.24	168.9	354.21		
171.73	354.11	173.98	354	175.02	353.35	177.32	352	178.45	351.3		
180.66	350	181.85	349.25	184.03	348	185.24	347.25	187.54	346		
189.65	344.78	191.47	344	209.52	344	211.75	344.65	216.56	346		
220.17	347.41	221.84	348	223.35	348.94	224.3	349.63	224.93	350		
227.15	351.04	229.33	352	229.82	352.18	235.12	354	241.82	354		

Manning's n Values		num=		3	
Sta	n Val	Sta	n Val	Sta	n Val
160.9	.035	160.9	.035	241.82	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	160.9	241.82		25	25	296.06	.1 .3

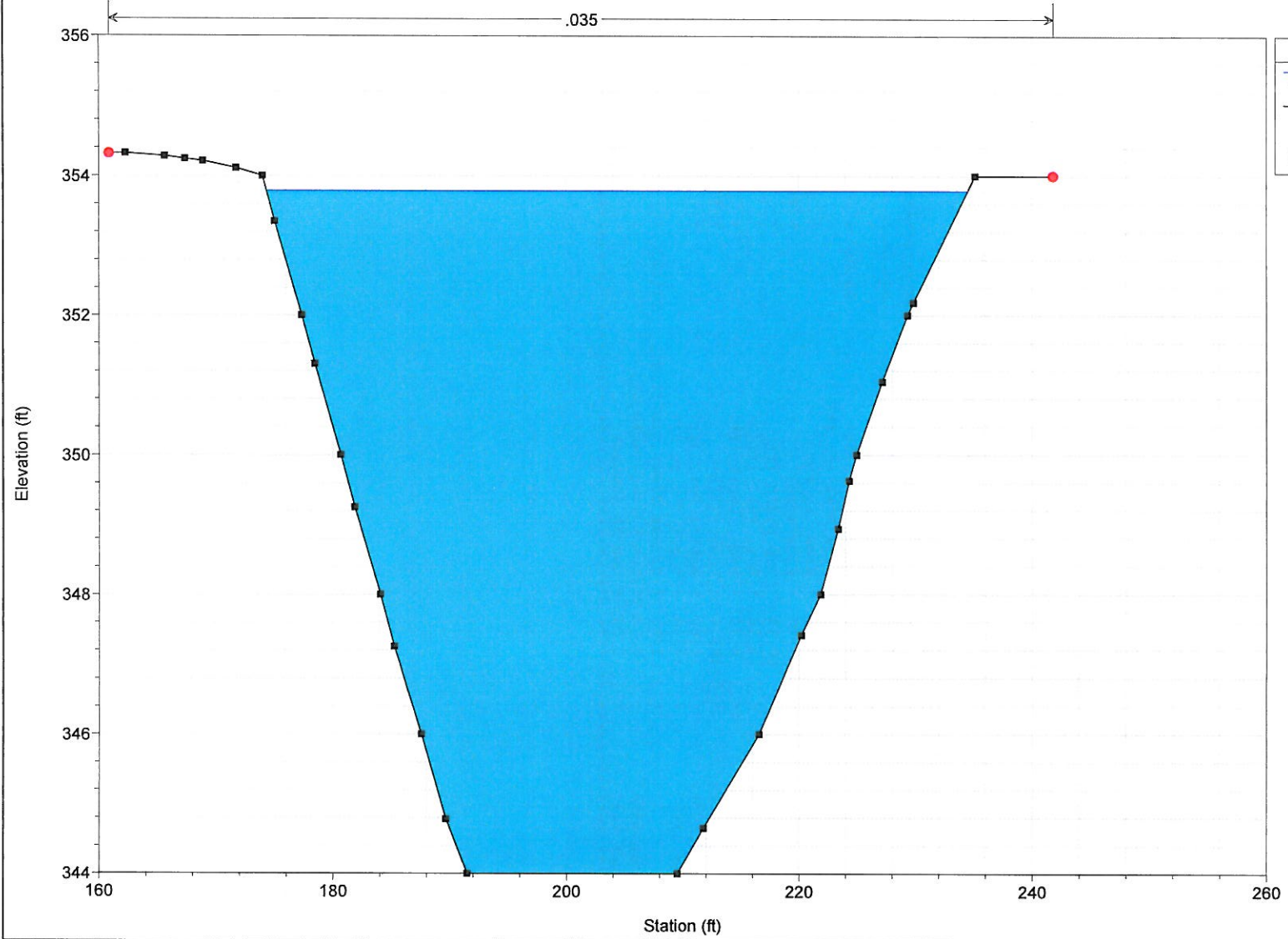
CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 357.05	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 3.26	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 353.79	* Reach Len. (ft)	* 25.00	* 25.00	* 296.06
* Crit W.S. (ft)	* 353.79	* Flow Area (sq ft)		* 392.99	
* E.G. Slope (ft/ft)	* 0.010542	* Area (sq ft)		* 392.99	
* Q Total (cfs)	* 5697.90	* Flow (cfs)		* 5697.90	
* Top Width (ft)	* 60.19	* Top Width (ft)		* 60.19	
* Vel Total (ft/s)	* 14.50	* Avg. Vel. (ft/s)		* 14.50	
* Max Chl Dpth (ft)	* 9.79	* Hydr. Depth (ft)		* 6.53	
* Conv. Total (cfs)	* 55495.6	* Conv. (cfs)		* 55495.6	
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)		* 64.78	
* Min Ch El (ft)	* 344.00	* Shear (lb/sq ft)		* 3.99	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 241.82	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.26	* Cum Volume (acre-ft)		* 0.23	
* C & E Loss (ft)	* 0.00	* Cum SA (acres)		* 0.03	

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 4



CROSS SECTION
REACH: Reach-1

RS: 3

INPUT

Description: 151

Station Elevation Data		num= 26							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
168.9	354.21	171.73	354.11	173.98	354	175.02	353.35	177.32	352
178.45	351.3	180.66	350	181.85	349.25	184.03	348	185.24	347.25
187.54	346	189.65	344.78	191.47	344	209.52	344	211.75	344.65
216.56	346	220.17	347.41	221.84	348	223.35	348.94	224.3	349.63
224.93	350	227.15	351.04	229.33	352	229.82	352.18	235.12	354
241.82	354								

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
168.9	.035	168.9	.035	241.82	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	168.9	241.82		75	75	656.89	.1 .3

CROSS SECTION OUTPUT Profile #PF 1

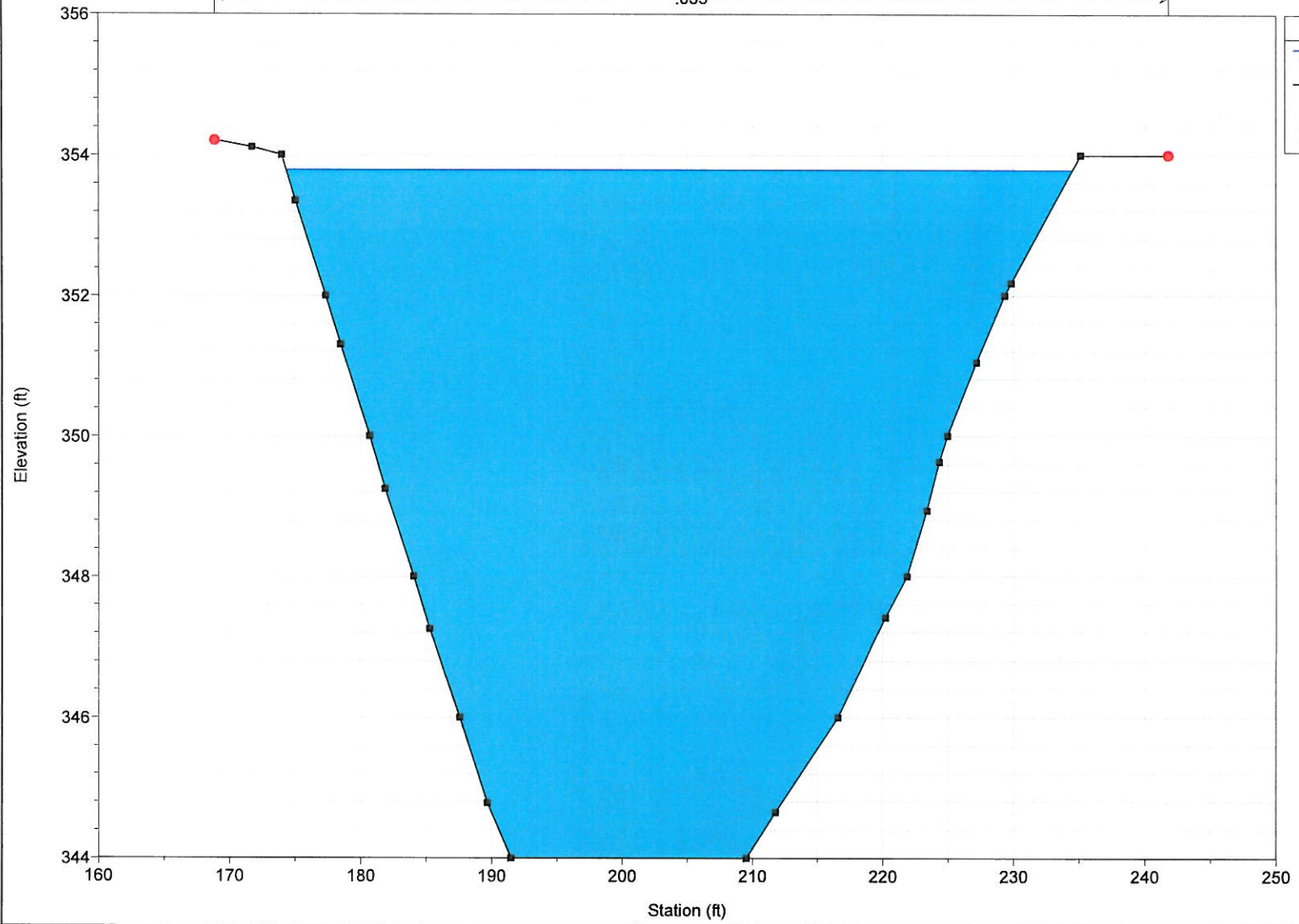
* E.G. Elev (ft)	* 357.05	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 3.26	* Wt. n-Val.	* *	* 0.035	* *
* W.S. Elev (ft)	* 353.80	* Reach Len. (ft)	* *	* *	* *
* Crit W.S. (ft)	* 353.80	* Flow Area (sq ft)	* *	* 393.36	* *
* E.G. Slope (ft/ft)	* 0.010515	* Area (sq ft)	* *	* 393.36	* *
* Q Total (cfs)	* 5697.90	* Flow (cfs)	* *	* 5697.90	* *
* Top Width (ft)	* 60.22	* Top Width (ft)	* *	* 60.22	* *
* Vel Total (ft/s)	* 14.49	* Avg. Vel. (ft/s)	* *	* 14.49	* *
* Max Chl Dpth (ft)	* 9.80	* Hydr. Depth (ft)	* *	* 6.53	* *
* Conv. Total (cfs)	* 55566.2	* Conv. (cfs)	* *	* 55566.2	* *
* Length Wtd. (ft)	* *	* Wetted Per. (ft)	* *	* 64.81	* *
* Min Ch El (ft)	* 344.00	* Shear (lb/sq ft)	* *	* 3.98	* *
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 241.82	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.26	* Cum Volume (acre-ft)	* *	* *	* *
* C & E Loss (ft)	* 0.00	* Cum SA (acres)	* *	* *	* *

WR-GOMEZ CREEK PRE-1

Plan: Imported Plan 01 11/20/2012

RS = 3

.035



Hec-Ras Analysis

Gomez Creek 100 year Floodplain Development Condition Analysis

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X XXXXXX      XXXX      XXXX      XX      XXXX
X      X X          X      X      X X      X X      X
X      X X          X      X      X X      X X      X
XXXXXXXX XXXX      X      XXX XXXX      XXXXXX      XXXX
X      X X          X      X      X X      X X          X
X      X X          X      X      X X      X X          X
X      X XXXXXX      XXXX      X      X      X X      XXXXX

```

PROJECT DATA

Project Title: 2012WRPOST-1
Project File : 2012WRPOST-1.prj
Run Date and Time: 11/19/2012 5:04:32 PM

Project in English units

Project Description:

***** Autodesk, Inc. HEC-2 Input Data file *****

Minimum Data Input *****

PLAN DATA

Plan Summary Information:

Number of: Cross Sections =		Multiple Openings =	0
Culverts =	0	Inline Structures =	0
Bridges =	0	Lateral Structures =	0

Computational Information

Water surface calculation tolerance =	0.01
Critical depth calculation tolerance =	0.01
Maximum number of iterations =	20
Maximum difference tolerance =	0.3
Flow tolerance factor =	0.001

Computation Options

Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Supercritical Flow

FLOW DATA

Flow Title: Imported Flow 01

Flow File : C:\Shapouri&Associates\Active Projects\Warner Ranch\Hydrology\Hecras 2012\Hecras Gomez
Creek Post\2012WRPOST-1.f01

Flow Data (cfs)

```

*****
* River      Reach      RS      *      PF 1 *
* RIVER-1    Reach-1    .      *      5402.57 *
*****

```

CROSS SECTION
REACH: Reach-1

RS: 150

INPUT

Description: 4

Station Elevation Data

num= 62

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	396.29	.27	396.2	.97	396	6.96	394.21	7.69	394
8.93	393.63	14.42	392	16.67	391.31	21	390	22.34	389.59
26.34	388.39	26.97	388.21	27.76	388	28.13	387.91	28.57	387.8
33.83	386.6	36.42	386	45.35	384.02	45.4	384.01	51.02	382.69
57.53	381.3	63.28	380	67.32	379.13	71.96	378.09	72.33	378
81.1	376	81.38	375.94	81.53	375.9	84.62	375.07	88.17	374
93.63	372.3	94.28	372	98.69	370.07	98.84	370	99.31	369.8
102.35	368.45	102.54	368.32	103.03	368.3	103.08	368.32	103.26	368.36
103.34	368.38	103.42	368.39	104.07	368.66	107.14	370	110.69	371.71
111.27	372	120.57	373.75	122.31	374	130.01	375.26	134.46	376
135.31	376.19	137.83	376.74	143.29	378	145.19	378.42	145.59	378.5
148.68	379.13	153.48	380	160.84	381.29	164.51	382	167.1	382.37
169.06	382.5	172.03	382.8						

Manning's n Values

num= 3

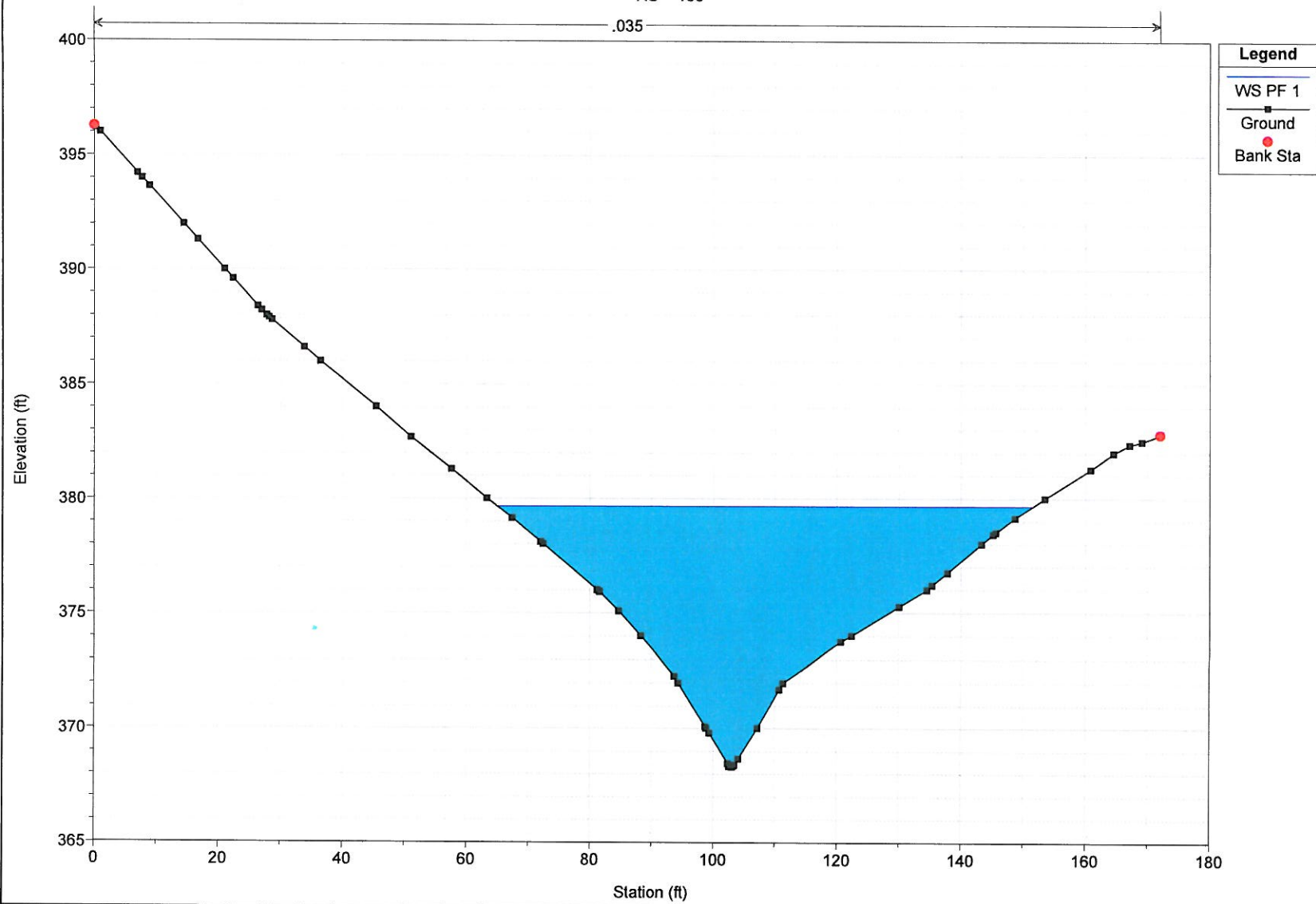
Sta	n Val	Sta	n Val	Sta	n Val
0	.035	0	.035	172.03	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	0	172.03		25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 382.16	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 2.49	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 379.68	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 379.68	* Flow Area (sq ft)		* 426.88	
* E.G. Slope (ft/ft)	* 0.011190	* Area (sq ft)		* 426.88	
* Q Total (cfs)	* 5402.57	* Flow (cfs)		* 5402.57	
* Top Width (ft)	* 86.90	* Top Width (ft)		* 86.90	
* Vel Total (ft/s)	* 12.66	* Avg. Vel. (ft/s)		* 12.66	
* Max Chl Dpth (ft)	* 11.38	* Hydr. Depth (ft)		* 4.91	
* Conv. Total (cfs)	* 51071.3	* Conv. (cfs)		* 51071.3	
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)		* 90.24	
* Min Ch El (ft)	* 368.30	* Shear (lb/sq ft)		* 3.30	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 172.03	* 0.00	* 0.00
* Frctn Loss (ft)		* Cum Volume (acre-ft)		* 48.10	
* C & E Loss (ft)		* Cum SA (acres)		* 20.48	

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012
RS = 150



CROSS SECTION
REACH: Reach-1

RS: 140

INPUT

Description: 14

Station Elevation Data				num=	67				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
205.11	391.33	207.94	390	208.9	389.49	212.08	388	213.5	387.25
216.21	386	218.03	385.11	224.63	382	226.6	381.14	228.99	380
231.57	379.09	233.67	378	236.07	377.35	236.58	377.22	236.77	377.18
236.96	377.13	237.63	376.96	239.3	376.58	241.83	376	244.45	374.61
245.65	374	246.18	373.69	249.11	372	252.75	370	257.41	370
258.11	370.67	259.64	372	260.05	372.14	260.7	372.38	262.14	372.86
264.99	374	269.54	374.71	276.94	376	286.99	377.16	287.62	377.22
287.97	377.25	288.24	377.27	288.43	377.28	288.53	377.27	289.55	376.93
290.57	376.73	291.47	376.72	294.79	378	297.95	379.52	298.23	379.63
310.84	378	311.53	378.04	312.26	378	313.05	377.98	314.66	377.95
323.41	377.87	329.13	377.78	332.64	377.65	334.44	377.6	335.84	377.68
337.89	377.83	341.03	377.97	341.99	378	344.57	378.29	347.2	378.62
351.8	379.25	354.45	379.63	356.9	380	359.52	380.96	362.72	382
364.95	382.79	368.66	384						

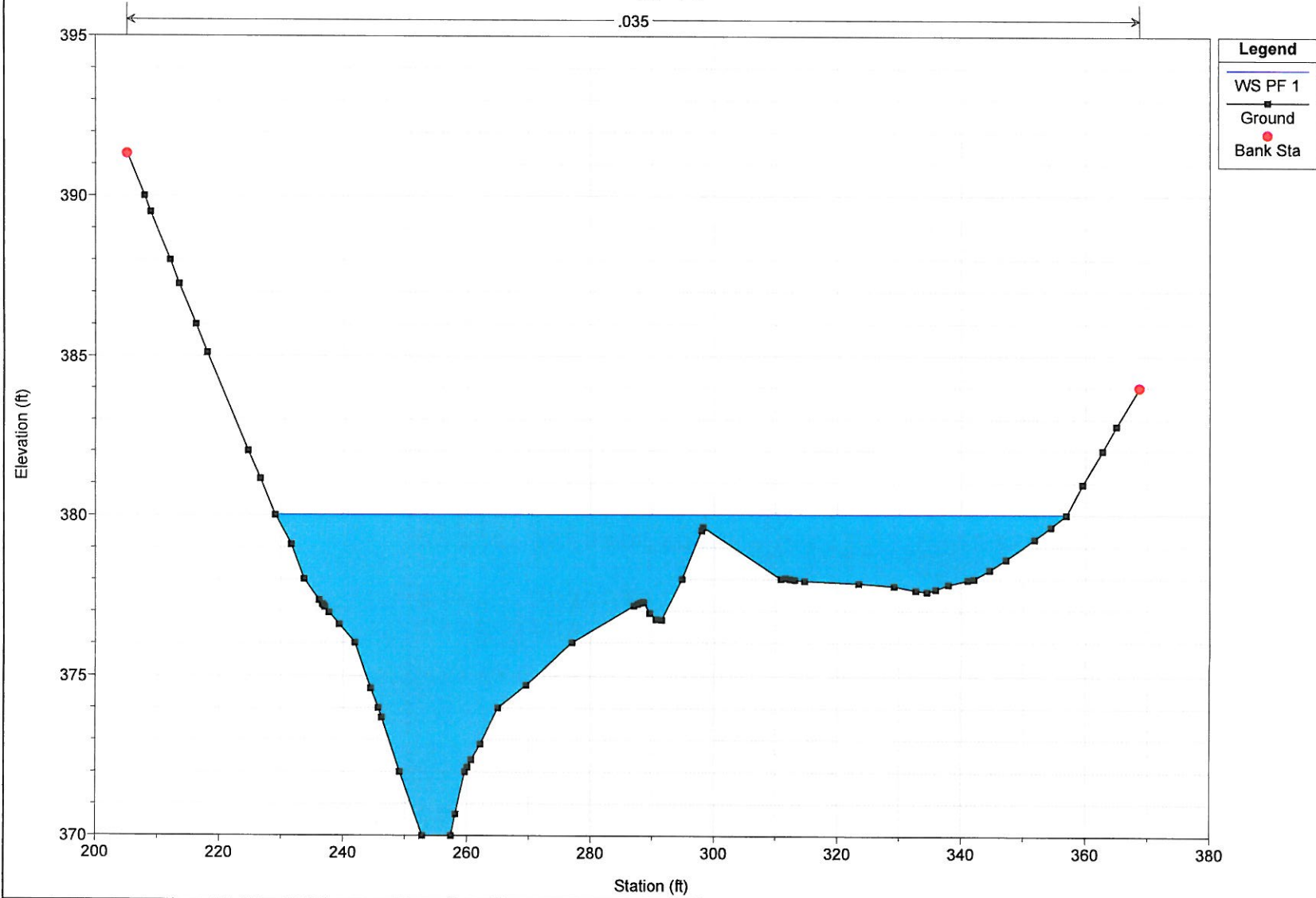
Manning's n Values				num=	3
Sta	n Val	Sta	n Val	Sta	n Val
.035	205.11	.035	368.66	.035	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	205.11	368.66		25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 382.46	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 2.43	* Wt. n-Val.	* 25.00	* 0.035	*
* W.S. Elev (ft)	* 380.03	* Reach Len. (ft)	*	* 25.00	* 25.00
* Crit W.S. (ft)	* 380.48	* Flow Area (sq ft)	*	* 431.64	*
* E.G. Slope (ft/ft)	* 0.018013	* Area (sq ft)	*	* 431.64	*
* Q Total (cfs)	* 5402.57	* Flow (cfs)	*	* 5402.57	*
* Top Width (ft)	* 128.05	* Top Width (ft)	*	* 128.05	*
* Vel Total (ft/s)	* 12.52	* Avg. Vel. (ft/s)	*	* 12.52	*
* Max Chl Dpth (ft)	* 10.03	* Hydr. Depth (ft)	*	* 3.37	*
* Conv. Total (cfs)	* 40254.3	* Conv. (cfs)	*	* 40254.3	*
* Length Wtd. (ft)	*	* Wetted Per. (ft)	*	* 132.58	*
* Min Ch El (ft)	* 370.00	* Shear (lb/sq ft)	*	* 3.66	*
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 368.66	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.37	* Cum Volume (acre-ft)	*	* 45.57	*
* C & E Loss (ft)	* 0.06	* Cum SA (acres)	*	* 19.87	*

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012
RS = 140



CROSS SECTION
REACH: Reach-1

RS: 130

INPUT

Description: 24

Station Elevation Data num= 28

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
326.43	382.73	328.03	382	328.72	381.68	332.36	380	334.3	379.11
336.58	378	337.87	377.4	340.95	376	343.31	374.99	353.2	370.84
355.21	370	382.88	370	386.41	370.37	387.71	370.48	391.09	370.85
400.35	372	404.15	372.27	406.89	372.36	413.04	372.62	443.91	374
449.03	375.07	452.96	376	458.27	377.31	467.76	379.61	469.36	380
470.51	380.27	478.69	382	493.61	383.6				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
	.035	326.43	.035	493.61	.035

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	326.43	493.61		25	25	.1	.3

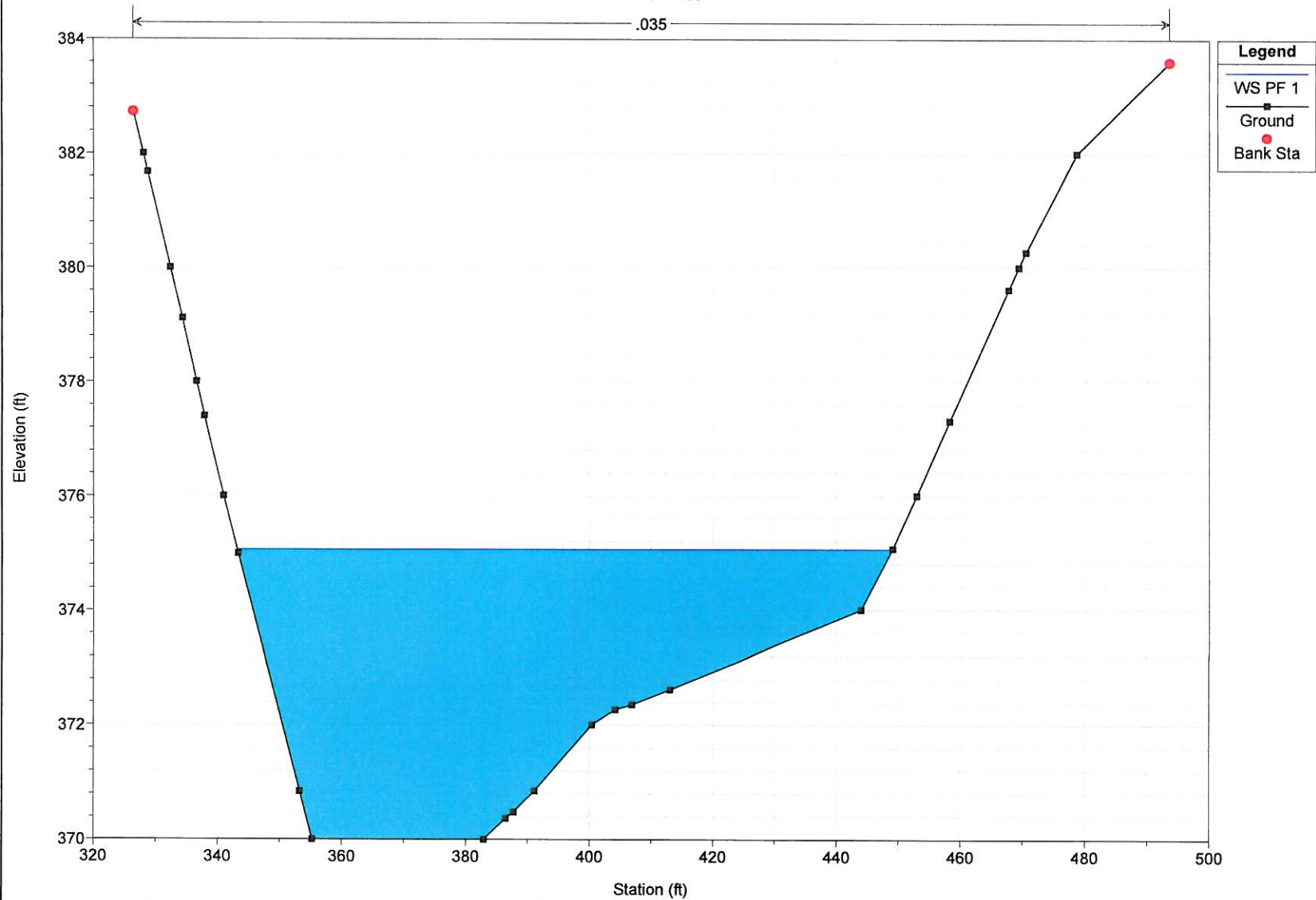
CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 379.12	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 4.05	* Wt. n-Val.	* 25.00	* 0.035	*
* W.S. Elev (ft)	* 375.07	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 376.29	* Flow Area (sq ft)	*	* 334.43	*
* E.G. Slope (ft/ft)	* 0.031760	* Area (sq ft)	*	* 334.43	*
* Q Total (cfs)	* 5402.57	* Flow (cfs)	*	* 5402.57	*
* Top Width (ft)	* 105.90	* Top Width (ft)	*	* 105.90	*
* Vel Total (ft/s)	* 16.15	* Avg. Vel. (ft/s)	*	* 16.15	*
* Max Chl Dpth (ft)	* 5.07	* Hydr. Depth (ft)	*	* 3.16	*
* Conv. Total (cfs)	* 30315.3	* Conv. (cfs)	*	* 30315.3	*
* Length Wtd. (ft)	*	* Wetted Per. (ft)	*	* 107.19	*
* Min Ch El (ft)	* 370.00	* Shear (lb/sq ft)	*	* 6.19	*
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 493.61	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.75	* Cum Volume (acre-ft)	*	* 43.03	*
* C & E Loss (ft)	* 0.02	* Cum SA (acres)	*	* 19.17	*

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012

RS = 130

.035



CROSS SECTION
REACH: Reach-1 RS: 120

INPUT

Description: 34

Station Elevation Data		num= 64							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
283.44	386	286.24	384.81	287.97	384	292.01	382.18	292.35	382
292.72	381.8	294.47	381.07	299.67	378.74	301.54	378	302.97	377.34
303.68	377.05	305.82	376.12	306.1	376	307.43	374.8	309.16	374
313.83	373.26	317.22	372.63	318.05	372.48	320.33	372	336.55	372
340.75	371.96	340.94	372	353.94	372	355.15	371.69	356.49	371.47
361.14	370.78	366.1	370	366.81	369.83	378.93	369.57	380.05	369.62
391.54	370	392.95	370.27	393.24	370.39	396.5	372	397.86	372.63
400.3	374	420.81	374	422.01	373.51	425.43	372	426.22	372
441.67	371.91	442.85	371.9	445.81	371.9	446.16	371.91	458.72	371.91
460.43	371.92	488.17	371.39	489.98	371.42	495.84	371.45	497.77	371.48
499.58	371.54	507.93	371.95	509.22	372	512.84	372.72	517.4	373.38
518.95	373.62	519.7	373.76	521.95	374	526.34	374.99	528.04	375.41
530.1	376	536.4	377.62	537.92	378	542.75	379.3		

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
.035	283.44	.035	542.75	.035	

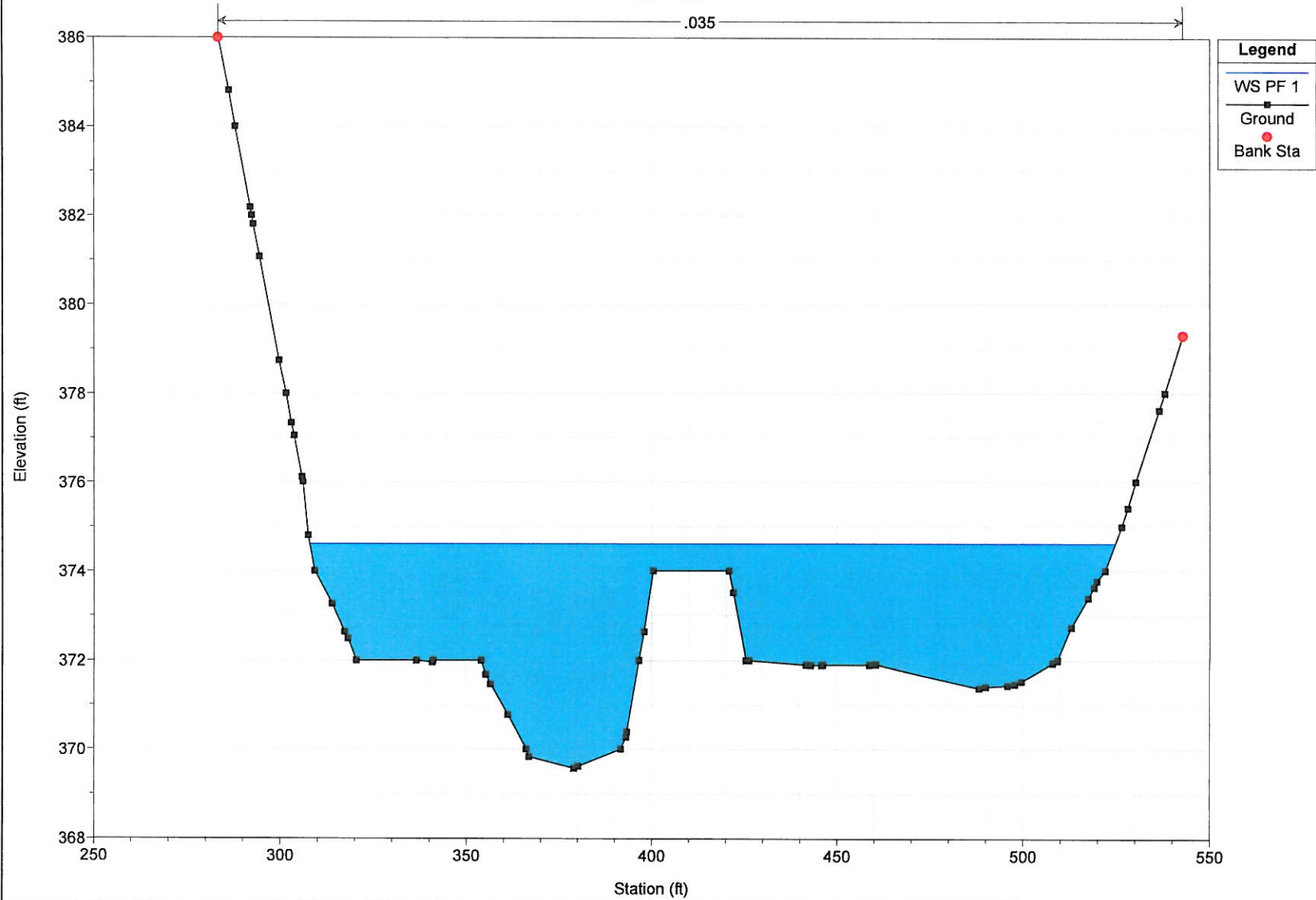
Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	283.44	542.75		25	25	25		.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 375.97	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 1.35	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 374.62	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 374.62	* Flow Area (sq ft)	* 579.45		
* E.G. Slope (ft/ft)	* 0.013177	* Area (sq ft)	* 579.45		
* Q Total (cfs)	* 5402.57	* Flow (cfs)	* 5402.57		
* Top Width (ft)	* 216.86	* Top Width (ft)	* 216.86		
* Vel Total (ft/s)	* 9.32	* Avg. Vel. (ft/s)	* 9.32		
* Max Chl Dpth (ft)	* 5.05	* Hydr. Depth (ft)	* 2.67		
* Conv. Total (cfs)	* 47064.5	* Conv. (cfs)	* 47064.5		
* Length Wtd. (ft)	* 25.00	* Wetted Per. (ft)	* 218.97		
* Min Ch El (ft)	* 369.57	* Shear (lb/sq ft)	* 2.18		
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 542.75	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.41	* Cum Volume (acre-ft)	* 40.16		
* C & E Loss (ft)	* 0.18	* Cum SA (acres)	* 18.13		

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012

RS = 120



CROSS SECTION
REACH: Reach-1

RS: 110

INPUT

Description: 44

Station Elevation Data

num= 47

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
279.48	380.34	286.75	380	293.63	378.9	297.96	378	302.31	376.98
306.61	376	316.49	374.87	324.4	374	334.62	373.46	351.38	372.52
356.56	372.24	358.09	372.16	360.75	372	361.87	371.95	370.91	371.04
382.48	370	388.73	368.06	388.92	368	389.12	367.97	403.33	366
409.53	366	415.06	367.78	415.76	368	421.62	370	427.22	371.96
427.33	372	440.84	372	442.63	371.73	443.81	371.57	444.7	371.47
445.39	371.42	446.15	371.39	453.24	371.18	454	371.21	455.92	371.26
464.74	371.42	466.02	371.45	467.09	371.51	473.58	372	473.63	372.02
480.41	374	484.24	375.84	484.56	376	484.83	376.13	488.78	378
489.73	378.46	493.83	380.39						

Manning's n Values

num= 3

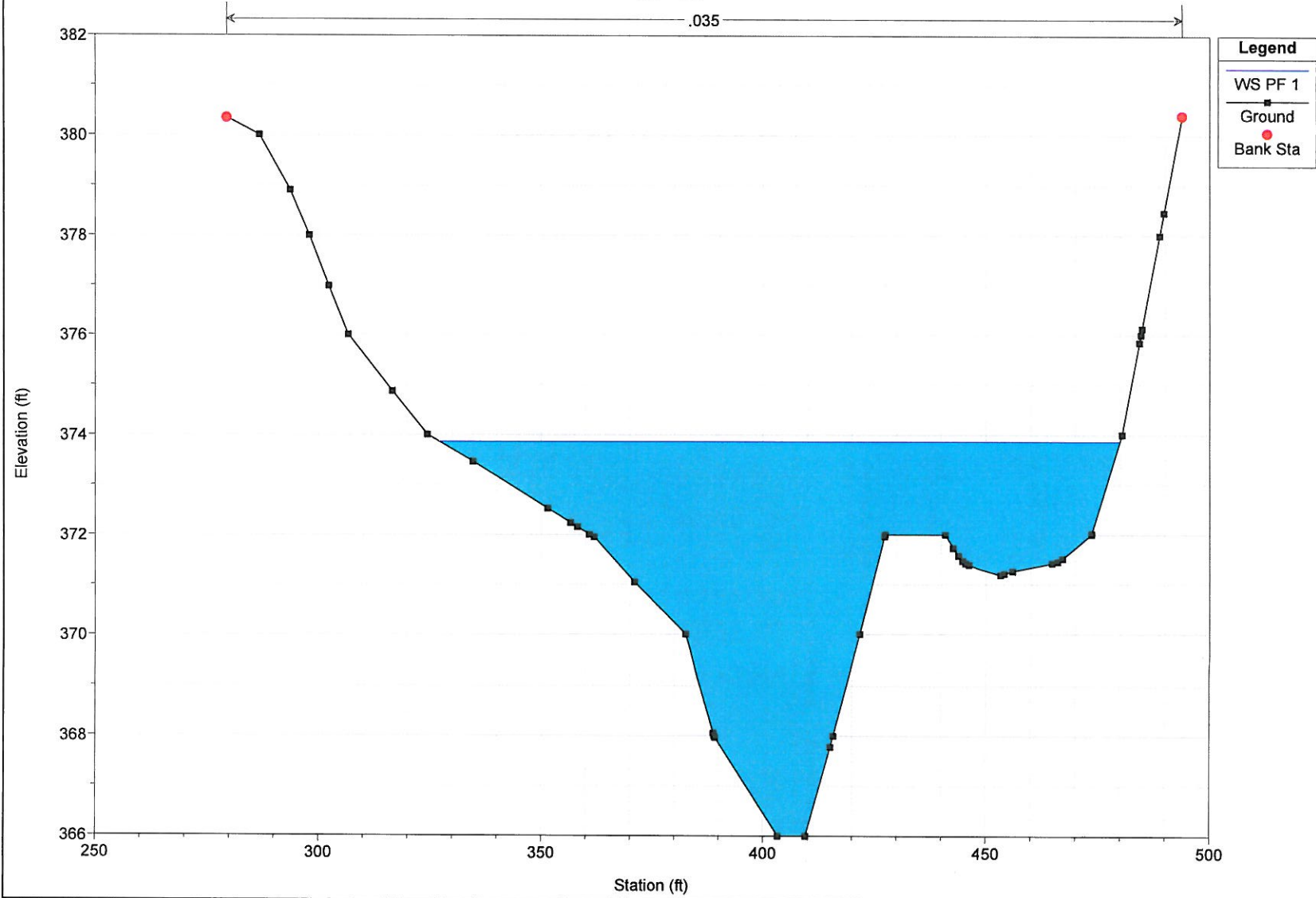
Sta	n Val	Sta	n Val	Sta	n Val
.035	279.48	.035	493.83	.035	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	279.48	493.83		25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 375.92	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 2.05	* Wt. n-Val.	* 0.035		
* W.S. Elev (ft)	* 373.86	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 374.18	* Flow Area (sq ft)		* 469.80	
* E.G. Slope (ft/ft)	* 0.016707	* Area (sq ft)		* 469.80	
* Q Total (cfs)	* 5402.57	* Flow (cfs)		* 5402.57	
* Top Width (ft)	* 152.96	* Top Width (ft)		* 152.96	
* Vel Total (ft/s)	* 11.50	* Avg. Vel. (ft/s)		* 11.50	
* Max Chl Dpth (ft)	* 7.86	* Hydr. Depth (ft)		* 3.07	
* Conv. Total (cfs)	* 41797.8	* Conv. (cfs)		* 41797.8	
* Length Wtd. (ft)		* Wetted Per. (ft)		* 154.86	
* Min Ch El (ft)	* 366.00	* Shear (lb/sq ft)		* 3.16	
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 493.83	* 0.00	* 0.00
* Frctn Loss (ft)	* 0.36	* Cum Volume (acre-ft)		* 37.11	
* C & E Loss (ft)	* 0.04	* Cum SA (acres)		* 17.14	

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012
RS = 110



CROSS SECTION
REACH: Reach-1

RS: 100

INPUT

Description: 54

Station Elevation Data		num= 71									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
215.41	374.37	216.37	374.34	217.45	374.27	220.63	374	232.88	372.33		
234.61	372.07	235.08	372	247.32	370.12	248.25	370	292.97	368.33		
293.6	368.3	293.92	368.29	294.11	368.29	294.57	368.28	294.84	368.27		
295.06	368.27	295.24	368.26	295.43	368.25	295.8	368.24	295.9	368.23		
296.12	368.23	296.32	368.22	296.41	368.22	310.62	368.15	370.09	368		
374.42	366.15	374.81	366	383.73	364.07	383.99	364	392.97	362.65		
394.94	362.45	396.34	362.33	397.61	362.15	397.7	362.14	397.77	362.13		
399.75	362.11	400.08	362.13	400.44	362.14	400.85	362.16	401.66	362.24		
419.94	364	420.2	364.18	420.45	364.38	421.01	364.85	422.27	366		
422.84	366.5	424.49	368	425.33	368.75	425.9	369.13	426.63	370		
438.7	370	441.88	369.85	462.19	368.53	468.34	368.44	473.67	368.38		
477.53	368.28	489.78	368	495.12	367.87	498.24	367.77	499.45	367.72		
513.12	367.79	513.53	367.83	521.13	367.97	522.3	368	526.62	368.74		
529.96	370	531.24	371.1	531.96	371.66	532.5	372	533.7	372.13		
539.7	372.61										

Manning's n Values		num= 3			
Sta	n Val	Sta	n Val	Sta	n Val
.035	215.41	.035	539.7	.035	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff Contr.	Expan.
	215.41	539.7		25 25	25	.1	.3

CROSS SECTION OUTPUT Profile #PF 1

* E.G. Elev (ft)	* 371.03	* Element	* Left OB	* Channel	* Right OB
* Vel Head (ft)	* 1.21	* Wt. n-Val.	*	* 0.035	*
* W.S. Elev (ft)	* 369.82	* Reach Len. (ft)	* 25.00	* 25.00	* 25.00
* Crit W.S. (ft)	* 369.82	* Flow Area (sq ft)	*	* 612.35	*
* E.G. Slope (ft/ft)	* 0.014060	* Area (sq ft)	*	* 612.35	*
* Q Total (cfs)	* 5402.57	* Flow (cfs)	*	* 5402.57	*
* Top Width (ft)	* 260.50	* Top Width (ft)	*	* 260.50	*
* Vel Total (ft/s)	* 8.82	* Avg. Vel. (ft/s)	*	* 8.82	*
* Max Chl Dpth (ft)	* 7.71	* Hydr. Depth (ft)	*	* 2.35	*
* Conv. Total (cfs)	* 45562.9	* Conv. (cfs)	*	* 45562.9	*
* Length Wtd. (ft)	*	* Wetted Per. (ft)	*	* 263.92	*
* Min Ch El (ft)	* 362.11	* Shear (lb/sq ft)	*	* 2.04	*
* Alpha	* 1.00	* Stream Power (lb/ft s)	* 539.70	* 0.00	* 0.00
* Frctn Loss (ft)	*	* Cum Volume (acre-ft)	*	* 34.36	*
* C & E Loss (ft)	*	* Cum SA (acres)	*	* 16.13	*

2012WRPOST-1 Plan: Imported Plan 01 11/19/2012

RS = 100

.035

