

HEC-RAS Plan: Plan 07 River: Tijeras Arroyo Reach: 1

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	2.9	PF 1	6285.00	5376.15	5383.00	5381.19	5383.70	0.003296	6.69	939.65	978.15	0.55
1	2.9	PF 2	14300.00	5376.15	5385.30	5383.87	5386.78	0.005241	9.77	1463.77	1305.05	0.72
1	2.9	PF 3	18065.00	5376.15	5386.30	5384.85	5386.39	0.000402	2.92	7830.52	1326.78	0.20
1	2.9	PF 4	30500.00	5376.15	5389.10	5386.01	5389.21	0.000318	3.26	11897.30	1674.61	0.19
1	2.9	PF 5	35853.00	5376.15	5389.10	5386.01	5389.25	0.000440	3.83	11897.30	1674.61	0.23
1	3	PF 1	6285.00	5383.22	5387.53	5387.53	5389.14	0.012462	10.16	618.38	194.82	1.01
1	3	PF 2	14300.00	5383.22	5389.99	5389.99	5392.31	0.011056	12.24	1167.90	253.64	1.01
1	3	PF 3	18065.00	5383.22	5390.83	5390.83	5393.47	0.010481	13.02	1387.63	263.73	1.00
1	3	PF 4	30500.00	5383.22	5393.52	5393.52	5396.63	0.008073	14.19	2234.21	514.38	0.92
1	3	PF 5	35853.00	5383.22	5394.73	5394.73	5397.58	0.006264	13.81	2969.16	673.63	0.83
1	3.5	PF 1	6285.00	5389.36	5394.44	5393.90	5395.46	0.008890	8.10	776.28	266.80	0.84
1	3.5	PF 2	14300.00	5389.36	5396.52	5396.03	5398.09	0.008285	10.05	1422.31	334.56	0.86
1	3.5	PF 3	18065.00	5389.36	5397.21	5396.74	5399.06	0.008169	10.92	1654.74	340.22	0.87
1	3.5	PF 4	30500.00	5389.36	5398.87	5398.68	5401.77	0.009073	13.66	2232.56	354.46	0.96
1	3.5	PF 5	35853.00	5389.36	5399.40	5399.40	5402.81	0.009703	14.81	2420.83	357.98	1.00
1	4	PF 1	6285.00	5395.30	5399.27	5399.27	5400.61	0.013203	9.30	675.61	255.03	1.01
1	4	PF 2	14300.00	5395.30	5401.22	5401.22	5403.50	0.011087	12.13	1179.10	261.18	1.01
1	4	PF 3	18065.00	5395.30	5402.01	5402.01	5404.64	0.010466	13.03	1386.43	263.67	1.00
1	4	PF 4	30500.00	5395.30	5404.22	5404.22	5407.91	0.009512	15.42	1977.63	270.65	1.01
1	4	PF 5	35853.00	5395.30	5405.07	5405.07	5409.16	0.009223	16.23	2209.25	275.46	1.01
1	5	PF 1	6285.00	5403.71	5406.83		5407.59	0.009871	7.02	894.70	413.70	0.84
1	5	PF 2	14300.00	5403.71	5408.33	5408.00	5409.68	0.009037	9.35	1530.21	430.28	0.87
1	5	PF 3	18065.00	5403.71	5408.95	5408.56	5410.51	0.008571	10.04	1799.00	435.94	0.87
1	5	PF 4	30500.00	5403.71	5410.95		5412.95	0.006773	11.33	2691.35	454.23	0.82
1	5	PF 5	35853.00	5403.71	5411.91		5413.93	0.006189	11.42	3140.11	489.65	0.79
1	6	PF 1	6285.00	5408.55	5413.27	5413.27	5414.63	0.011096	9.53	708.89	286.01	0.95
1	6	PF 2	14300.00	5408.55	5415.37	5415.37	5417.07	0.009379	11.06	1494.56	436.41	0.93
1	6	PF 3	18065.00	5408.55	5415.97	5415.97	5417.91	0.009282	11.92	1759.47	443.63	0.94
1	6	PF 4	30500.00	5408.55	5418.08	5418.08	5420.42	0.007472	13.43	2847.50	607.16	0.89
1	6	PF 5	35853.00	5408.55	5418.66	5418.66	5421.20	0.007418	14.11	3204.76	619.43	0.90
1	8	PF 1	6285.00	5412.00	5416.68		5417.46	0.006312	7.73	977.73	367.37	0.72
1	8	PF 2	14300.00	5412.00	5418.49		5419.83	0.006843	10.39	1693.10	423.28	0.80
1	8	PF 3	18065.00	5412.00	5419.15	5418.59	5420.72	0.007079	11.35	1979.13	456.31	0.83
1	8	PF 4	30500.00	5412.00	5420.89	5420.63	5423.03	0.007431	13.65	2961.50	651.22	0.88
1	8	PF 5	35853.00	5412.00	5421.38	5420.80	5423.98	0.008546	15.22	3285.33	678.14	0.95
1	10	PF 1	6285.00	5419.00	5423.72	5423.72	5425.83	0.011396	11.66	538.81	128.43	1.00
1	10	PF 2	14300.00	5419.00	5427.64	5427.64	5429.17	0.004638	10.87	1898.10	641.31	0.70
1	10	PF 3	18065.00	5419.00	5428.24	5428.24	5429.91	0.004897	11.69	2289.06	650.29	0.73
1	10	PF 4	30500.00	5419.00	5429.72	5429.72	5431.85	0.005737	13.98	3258.18	659.66	0.81
1	10	PF 5	35853.00	5419.00	5430.21	5430.21	5432.56	0.006142	14.89	3578.68	662.36	0.84
1	15	PF 1	6285.00	5423.00	5430.97	5430.97	5432.31	0.007297	10.08	848.66	456.52	0.82
1	15	PF 2	14300.00	5423.00	5432.85	5432.85	5434.28	0.006678	11.67	1880.04	628.58	0.82
1	15	PF 3	18065.00	5423.00	5433.39	5433.39	5434.97	0.006856	12.51	2226.67	640.21	0.84
1	15	PF 4	30500.00	5423.00	5434.71	5434.71	5436.88	0.007914	15.11	3086.92	661.88	0.93
1	15	PF 5	35853.00	5423.00	5435.26	5435.26	5437.59	0.007908	15.78	3452.78	666.86	0.94
1	20	PF 1	6285.00	5427.00	5433.65	5433.65	5435.93	0.009735	12.14	529.94	292.80	0.95
1	20	PF 2	14300.00	5427.00	5437.22	5437.22	5439.41	0.005521	13.05	1477.80	534.02	0.78
1	20	PF 3	18065.00	5427.00	5438.06	5438.06	5440.52	0.005725	14.13	1755.36	557.19	0.81
1	20	PF 4	30500.00	5427.00	5439.01	5439.01	5440.43	0.003918	12.46	3721.30	587.60	0.68
1	20	PF 5	35853.00	5427.00	5439.01	5439.01	5440.98	0.005414	14.65	3721.30	587.60	0.80
1	22	PF 1	6285.00	5429.07	5436.76	5436.76	5438.67	0.007757	11.34	641.98	227.05	0.86
1	22	PF 2	14300.00	5429.07	5439.70	5439.70	5441.54	0.005313	12.55	1717.90	449.89	0.77
1	22	PF 3	18065.00	5429.07	5440.42	5440.42	5442.42	0.005454	13.45	2048.62	461.47	0.79
1	22	PF 4	30500.00	5429.07	5442.16	5442.16	5444.82	0.006258	16.19	2861.54	475.69	0.87
1	22	PF 5	35853.00	5429.07	5442.78	5442.78	5445.71	0.006521	17.16	3160.92	480.83	0.90
1	30	PF 1	6285.00	5436.16	5440.84		5441.22	0.002677	4.97	1271.53	379.71	0.47
1	30	PF 2	14300.00	5436.16	5442.97		5443.66	0.002591	6.75	2256.66	518.34	0.51
1	30	PF 3	18065.00	5436.16	5443.75		5444.56	0.002571	7.35	2666.98	535.29	0.52
1	30	PF 4	30500.00	5436.16	5445.93		5447.05	0.002489	8.81	3902.41	597.23	0.53
1	30	PF 5	35853.00	5436.16	5446.75		5447.96	0.002438	9.26	4391.40	603.78	0.54
1	35	PF 1	6285.00	5443.27	5446.51	5446.51	5447.65	0.013665	8.55	738.29	338.30	1.00
1	35	PF 2	14300.00	5443.27	5448.31	5448.31	5449.95	0.009346	10.45	1493.62	524.86	0.91
1	35	PF 3	18065.00	5443.27	5449.01	5449.01	5450.75	0.008263	10.91	1876.94	577.12	0.88
1	35	PF 4	30500.00	5443.27	5450.53	5450.53	5452.83	0.007970	12.90	2771.75	596.85	0.91

HEC-RAS Plan: Plan 07 River: Tijeras Arroyo Reach: 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
1	35	PF 5	35853.00	5443.27	5451.06	5451.06	5453.61	0.008041	13.67	3089.47	603.52	0.92
1	40	PF 1	6285.00	5449.80	5453.10	5452.83	5454.04	0.009497	8.46	858.15	346.38	0.87
1	40	PF 2	14300.00	5449.80	5454.57	5454.57	5456.46	0.011445	12.19	1392.70	374.95	1.02
1	40	PF 3	18065.00	5449.80	5455.23	5455.23	5457.40	0.011092	13.17	1642.55	383.35	1.03
1	40	PF 4	30500.00	5449.80	5457.07	5457.07	5460.05	0.010440	15.71	2370.22	408.72	1.05
1	40	PF 5	35853.00	5449.80	5457.80	5457.80	5461.05	0.010071	16.50	2670.42	418.74	1.05
1	41	PF 1	6285.00	5450.00	5455.19	5455.13	5456.26	0.012588	8.27	759.74	330.37	0.96
1	41	PF 2	14300.00	5450.00	5456.84	5456.78	5458.69	0.010778	10.91	1321.74	365.78	0.97
1	41	PF 3	18065.00	5450.00	5457.47	5457.47	5459.63	0.010390	11.83	1554.60	373.62	0.98
1	41	PF 4	30500.00	5450.00	5459.29	5459.29	5462.29	0.009307	14.02	2243.44	380.79	0.98
1	41	PF 5	35853.00	5450.00	5459.98	5459.98	5463.31	0.009058	14.80	2505.03	383.48	0.98
1	42	PF 1	6285.00	5455.00	5460.47	5460.47	5462.01	0.004026	9.94	632.46	204.91	1.00
1	42	PF 2	14300.00	5455.00	5462.78	5462.78	5465.30	0.003406	12.74	1122.79	295.89	0.99
1	42	PF 3	18065.00	5455.00	5463.67	5463.67	5466.57	0.003217	13.68	1320.87	321.46	0.99
1	42	PF 4	30500.00	5455.00	5466.14	5466.14	5470.24	0.002927	16.25	1876.83	346.61	1.00
1	42	PF 5	35853.00	5455.00	5467.11	5467.11	5471.64	0.002821	17.09	2097.86	350.22	1.00
1	43	PF 1	6285.00	5455.73	5460.74	5460.74	5462.32	0.004150	10.08	623.72	202.03	1.01
1	43	PF 2	14300.00	5455.73	5463.03	5463.03	5465.69	0.003488	13.08	1093.53	208.89	1.01
1	43	PF 3	18065.00	5455.73	5463.96	5463.96	5467.01	0.003280	14.01	1289.64	211.68	1.00
1	43	PF 4	30500.00	5455.73	5466.56	5466.56	5470.78	0.002976	16.49	1849.74	219.47	1.00
1	43	PF 5	35853.00	5455.73	5467.52	5467.52	5472.22	0.002922	17.39	2062.13	222.35	1.01
1	43.5	Bridge										
1	44	PF 1	6285.00	5456.33	5463.04	5461.37	5463.72	0.001014	6.60	952.91	201.22	0.53
1	44	PF 2	14300.00	5456.33	5466.43	5463.68	5467.60	0.000906	8.68	1648.13	209.63	0.55
1	44	PF 3	18065.00	5456.33	5467.75	5464.61	5469.11	0.000881	9.38	1926.55	212.91	0.55
1	44	PF 4	30500.00	5456.33	5471.45	5467.25	5473.39	0.000840	11.16	2733.09	222.12	0.56
1	44	PF 5	35853.00	5456.33	5472.85	5468.26	5475.00	0.000831	11.78	3044.70	225.57	0.56
1	45	PF 1	6285.00	5456.61	5463.07		5463.78	0.001146	6.74	932.21	209.34	0.56
1	45	PF 2	14300.00	5456.61	5466.50		5467.64	0.000922	8.58	1667.41	219.57	0.55
1	45	PF 3	18065.00	5456.61	5467.86		5469.17	0.000872	9.18	1967.44	223.61	0.55
1	45	PF 4	30500.00	5456.61	5471.68		5473.47	0.000787	10.72	2844.63	235.03	0.54
1	45	PF 5	35853.00	5456.61	5473.13		5475.09	0.000766	11.25	3186.97	239.33	0.54
1	46	PF 1	6285.00	5462.00	5465.23	5465.23	5466.25	0.014258	8.63	802.29	387.05	1.02
1	46	PF 2	14300.00	5462.00	5467.02	5466.75	5468.52	0.009716	10.57	1514.37	405.59	0.93
1	46	PF 3	18065.00	5462.00	5468.62		5469.80	0.004933	9.42	2180.60	430.07	0.70
1	46	PF 4	30500.00	5462.00	5473.05		5473.97	0.001939	8.70	4482.38	1030.50	0.48
1	46	PF 5	35853.00	5462.00	5474.76		5475.57	0.001410	8.24	5535.18	1057.00	0.42
1	50	PF 1	6285.00	5467.80	5470.75	5470.30	5471.39	0.008554	7.10	1007.04	435.87	0.80
1	50	PF 2	14300.00	5467.80	5471.99	5471.75	5473.41	0.011118	10.66	1570.63	472.61	0.98
1	50	PF 3	18065.00	5467.80	5472.32	5472.32	5474.20	0.013081	12.26	1731.56	482.73	1.08
1	50	PF 4	30500.00	5467.80	5473.92	5473.92	5476.44	0.011426	14.32	2532.40	510.75	1.07
1	50	PF 5	35853.00	5467.80	5475.04	5474.53	5477.35	0.008319	13.79	3105.58	519.84	0.94
1	51	PF 1	6285.00	5469.60	5472.31	5472.31	5473.31	0.014048	8.28	813.39	428.11	1.00
1	51	PF 2	14300.00	5469.60	5473.78	5473.78	5475.39	0.011569	10.67	1485.27	486.21	0.99
1	51	PF 3	18065.00	5469.60	5474.42	5474.42	5476.18	0.010285	11.23	1810.82	518.98	0.96
1	51	PF 4	30500.00	5469.60	5475.92	5475.92	5478.36	0.009761	13.40	2604.58	542.14	0.99
1	51	PF 5	35853.00	5469.60	5476.49	5476.49	5479.18	0.009531	14.12	2918.20	550.00	0.99
1	52	PF 1	6285.00	5472.00	5474.94	5474.94	5475.80	0.014543	7.79	886.19	552.17	1.00
1	52	PF 2	14300.00	5472.00	5476.19	5476.19	5477.57	0.012142	10.02	1603.52	581.72	1.00
1	52	PF 3	18065.00	5472.00	5476.65	5476.65	5478.26	0.011959	10.88	1868.58	586.94	1.01
1	52	PF 4	30500.00	5472.00	5477.98	5477.98	5480.24	0.011152	12.97	2661.08	603.24	1.03
1	52	PF 5	35853.00	5472.00	5478.51	5478.51	5481.00	0.010747	13.63	2983.74	610.40	1.03
1	54	PF 1	6285.00	5474.00	5477.22		5477.74	0.008446	6.80	1253.23	829.50	0.79
1	54	PF 2	14300.00	5474.00	5478.50		5479.18	0.006681	8.13	2458.05	997.61	0.76
1	54	PF 3	18065.00	5474.00	5479.06		5479.76	0.005758	8.31	3020.04	1016.91	0.72
1	54	PF 4	30500.00	5474.00	5480.74		5481.49	0.004035	8.72	4744.20	1042.03	0.64
1	54	PF 5	35853.00	5474.00	5481.40		5482.18	0.003627	8.89	5439.40	1051.59	0.61
1	60	PF 1	6285.00	5484.00	5486.20	5486.20	5486.83	0.017064	7.00	1048.38	855.42	1.04
1	60	PF 2	14300.00	5484.00	5487.13	5487.13	5488.15	0.014377	9.00	1890.27	950.96	1.03
1	60	PF 3	18065.00	5484.00	5487.48	5487.48	5488.65	0.014036	9.74	2224.19	986.30	1.05
1	60	PF 4	30500.00	5484.00	5488.50	5488.50	5490.05	0.012267	11.29	3276.88	1049.57	1.03
1	60	PF 5	35853.00	5484.00	5488.85	5488.85	5490.57	0.012111	11.91	3646.54	1056.30	1.04

HEC-RAS Plan: Plan 07 River: Tjeras Arroyo Reach: 1 (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	70	PF 1	6285.00	5501.00	5504.17	5504.17	5504.98	0.009997	8.17	1034.92	627.11	0.88
1	70	PF 2	14300.00	5501.00	5505.37	5505.37	5506.63	0.010483	10.70	1836.06	712.81	0.96
1	70	PF 3	18065.00	5501.00	5505.82	5505.82	5507.26	0.010469	11.52	2167.14	745.35	0.98
1	70	PF 4	30500.00	5501.00	5507.03	5507.03	5508.94	0.010329	13.50	3094.32	774.25	1.01
1	70	PF 5	35853.00	5501.00	5507.50	5507.50	5509.57	0.010194	14.15	3455.13	781.40	1.02

HEC-RAS Plan: Plan 07 River: Tijeras Arroyo Reach: 1

Reach	River Sta	Profile	E.G Elev (ft)	W.S. Elev (ft)	Vel Head (ft)	Frcn Loss (ft)	C & E Loss (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Top Width (ft)
1	2.9	PF 1	5383.70	5383.00	0.69				6285.00		978.15
1	2.9	PF 2	5386.78	5385.30	1.48				14300.00		1305.05
1	2.9	PF 3	5386.39	5386.30	0.09				5050.07	13014.93	1326.78
1	2.9	PF 4	5389.21	5389.10	0.11			166.95	8170.78	22162.27	1674.81
1	2.9	PF 5	5389.25	5389.10	0.15			196.25	9604.81	26051.93	1674.81
1	3	PF 1	5389.14	5387.53	1.60	3.06	0.27		6285.00		194.82
1	3	PF 2	5392.31	5389.99	2.33	3.91	0.25		14300.00		253.64
1	3	PF 3	5393.47	5390.83	2.63	0.76	0.76		18085.00		283.73
1	3	PF 4	5396.63	5393.52	3.11	0.60	0.90		30335.98	164.02	514.38
1	3	PF 5	5397.58	5394.73	2.85	0.76	0.81		34404.49	1448.51	673.63
1	3.5	PF 1	5395.46	5394.44	1.02	6.26	0.06		6285.00		266.80
1	3.5	PF 2	5398.09	5396.52	1.57	5.70	0.08		14300.00		334.56
1	3.5	PF 3	5399.06	5397.21	1.85	5.52	0.08		18065.00		340.22
1	3.5	PF 4	5401.77	5398.87	2.90	5.12	0.02		30500.00		354.46
1	3.5	PF 5	5402.81	5399.40	3.41	4.62	0.17		35853.00		357.98
1	4	PF 1	5400.61	5399.27	1.34	4.40	0.10		6285.00		255.03
1	4	PF 2	5403.50	5401.22	2.28	3.91	0.21		14300.00		261.18
1	4	PF 3	5404.64	5402.01	2.64	3.78	0.24		18085.00		263.67
1	4	PF 4	5407.91	5404.22	3.89	3.81	0.24		30500.00		270.65
1	4	PF 5	5409.16	5405.07	4.09	3.88	0.21	0.07	35852.93		275.46
1	5	PF 1	5407.59	5406.83	0.77	6.93	0.06		6285.00		413.70
1	5	PF 2	5409.68	5408.33	1.36	6.09	0.09		14300.00		430.28
1	5	PF 3	5410.51	5408.95	1.57	5.76	0.11		18065.00		435.94
1	5	PF 4	5412.95	5410.95	1.99	4.86	0.17		30500.00		454.23
1	5	PF 5	5413.93	5411.91	2.02	4.56	0.21		35853.00		489.65
1	6	PF 1	5414.63	5413.27	1.36	4.45	0.18		6043.91	241.09	286.01
1	6	PF 2	5417.07	5415.37	1.70	3.92	0.10		12357.73	1942.27	436.41
1	6	PF 3	5417.91	5415.97	1.94	3.79	0.11		15136.76	2928.24	443.63
1	6	PF 4	5420.42	5418.08	2.35	3.02	0.11	11.50	24303.79	6184.72	607.16
1	6	PF 5	5421.20	5418.66	2.54	2.88	0.16	36.34	27646.67	8169.99	619.43
1	8	PF 1	5417.46	5416.68	0.78	2.77	0.06		4957.39	1327.62	367.37
1	8	PF 2	5419.83	5418.49	1.34	2.73	0.04		10112.85	4187.15	423.28
1	8	PF 3	5420.72	5419.15	1.57	2.78	0.04		12439.61	5625.39	456.31
1	8	PF 4	5423.03	5420.89	2.14	2.58	0.02		19457.98	11042.02	651.22
1	8	PF 5	5423.98	5421.38	2.61	2.76	0.02	0.03	23111.41	12741.56	678.14
1	10	PF 1	5425.83	5423.72	2.11	4.11	0.40		6285.00		128.43
1	10	PF 2	5429.17	5427.64	1.53	2.80	0.06		11730.82	2569.18	641.31
1	10	PF 3	5429.91	5428.24	1.66	2.94	0.03		13648.83	4418.17	650.29
1	10	PF 4	5431.85	5429.72	2.13	3.30	0.00		19366.38	11133.62	659.66
1	10	PF 5	5432.56	5430.21	2.36	3.65	0.02		21712.38	14140.62	662.36
1	15	PF 1	5432.31	5430.97	1.34	2.97	0.08		5235.99	1049.01	456.52
1	15	PF 2	5434.28	5432.85	1.44	1.76	0.01	238.54	8586.45	5475.01	628.58
1	15	PF 3	5434.97	5433.39	1.58	1.82	0.01	564.03	9997.00	7503.97	640.21
1	15	PF 4	5436.88	5434.71	2.17	2.09	0.01	1954.30	14411.78	14133.92	661.88
1	15	PF 5	5437.59	5435.26	2.32	2.16	0.00	2735.04	16063.47	17054.49	666.86
1	20	PF 1	5435.93	5433.65	2.28	3.01	0.28	17.41	6263.55	4.04	292.80
1	20	PF 2	5439.41	5437.22	2.19	2.12	0.23	2366.30	11485.32	448.38	534.02
1	20	PF 3	5440.52	5438.06	2.46	2.18	0.26	3700.48	13635.58	728.94	557.19
1	20	PF 4	5440.43	5439.01	1.43	1.90	0.07	16324.75	13236.21	939.05	587.60
1	20	PF 5	5440.98	5439.01	1.97	2.28	0.04	19189.88	15559.27	1103.86	587.60
1	22	PF 1	5438.67	5436.76	1.90	1.38	0.04	293.85	5974.90	16.24	227.05
1	22	PF 2	5441.54	5439.70	1.84	0.87	0.04	3887.39	10228.44	184.17	449.89
1	22	PF 3	5442.42	5440.42	2.00	0.90	0.05	5883.21	11908.48	273.31	481.47
1	22	PF 4	5444.82	5442.16	2.66	0.79	0.37	12793.81	17092.49	613.70	475.69
1	22	PF 5	5445.71	5442.78	2.93	0.96	0.29	15899.25	19170.33	783.42	480.83
1	30	PF 1	5441.22	5440.84	0.38	2.40	0.15		6268.99	16.01	379.71
1	30	PF 2	5443.66	5442.97	0.69	2.01	0.12	327.56	13869.33	103.11	518.34

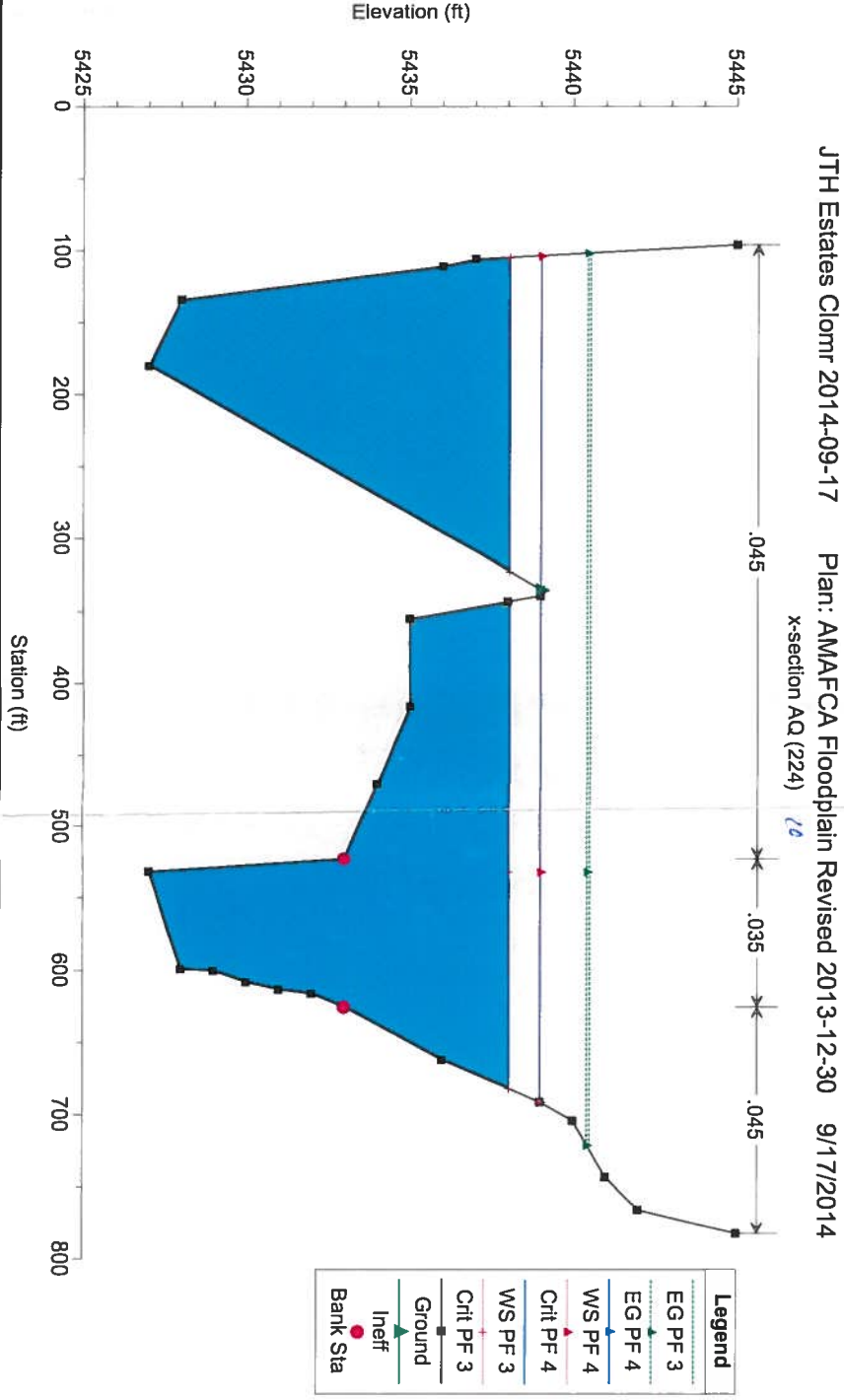
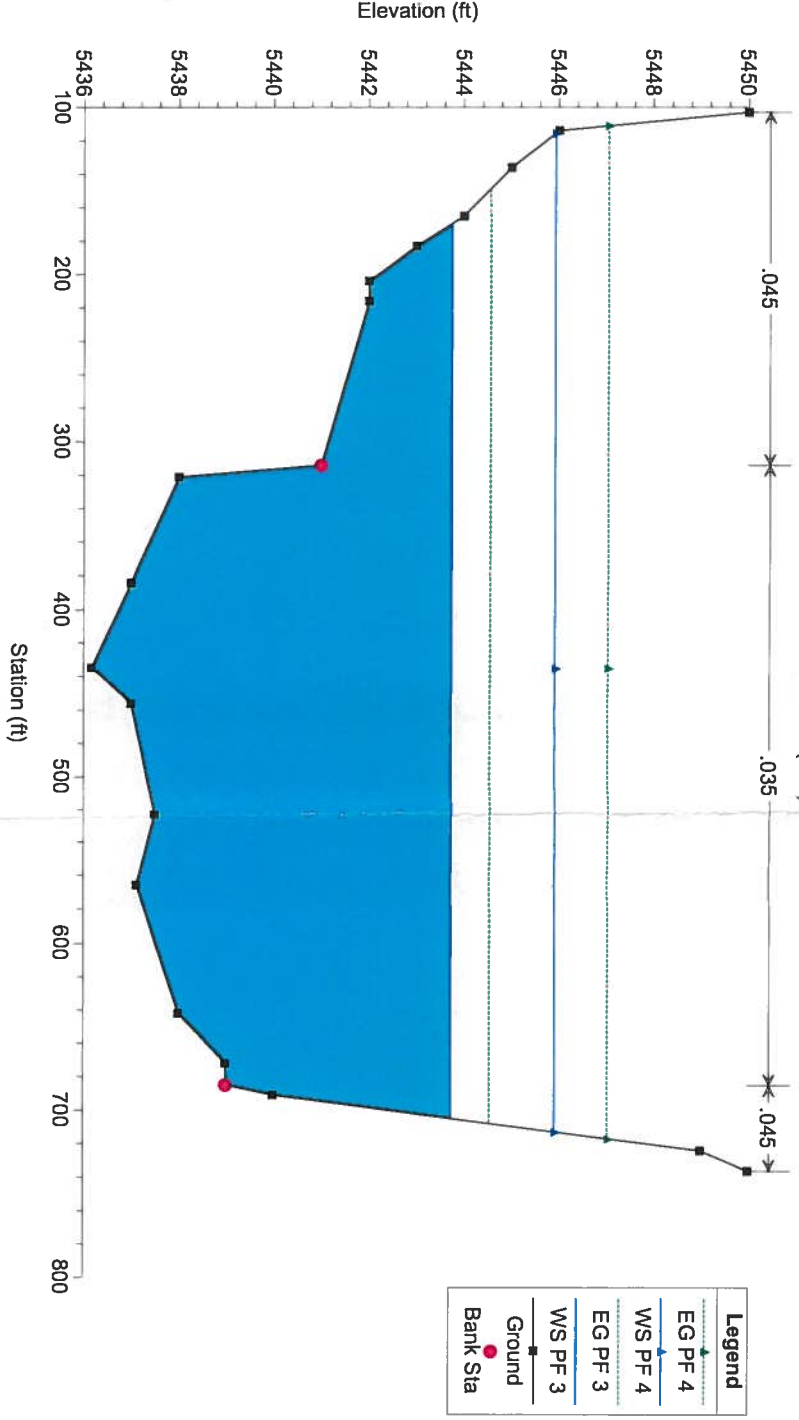
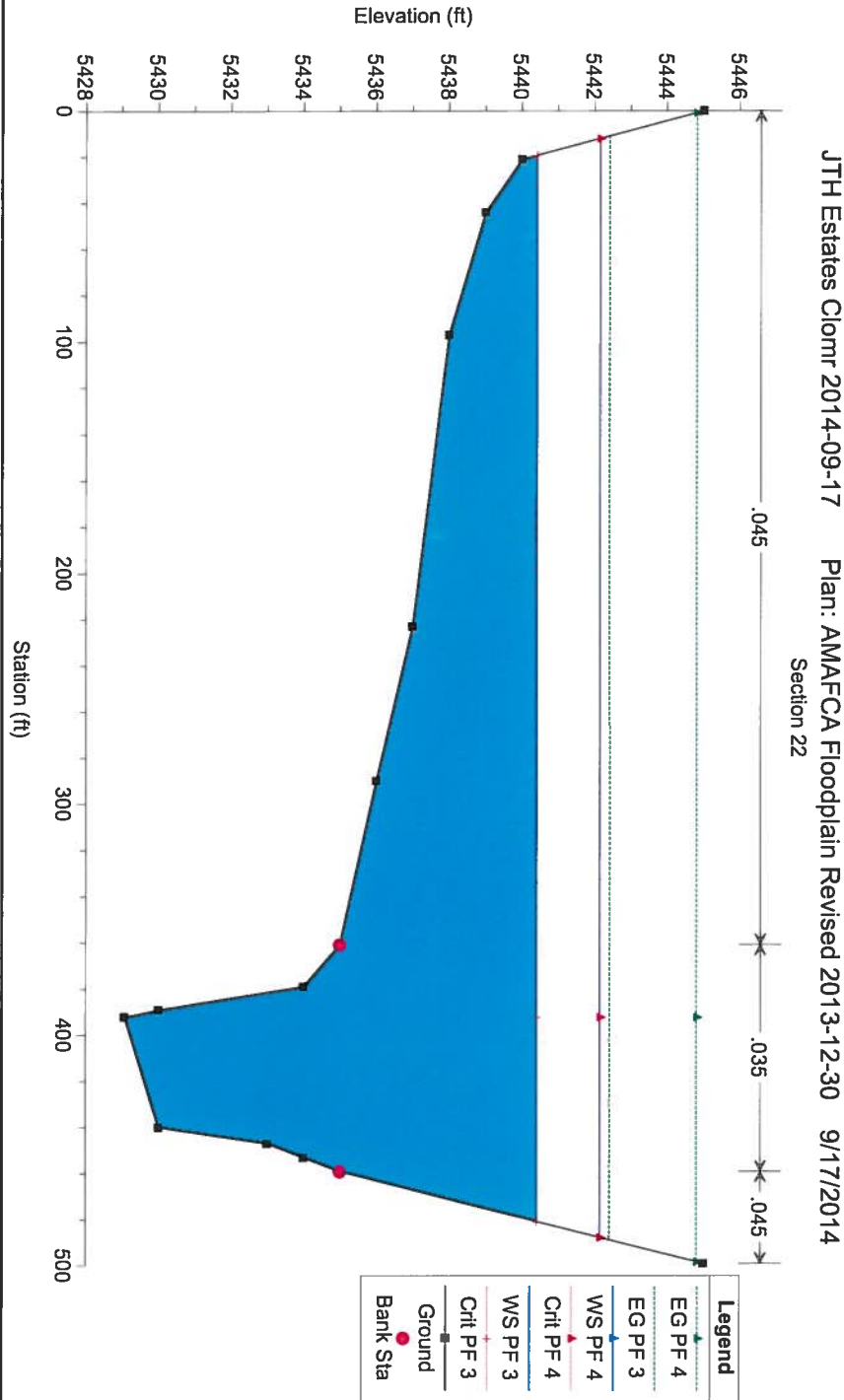
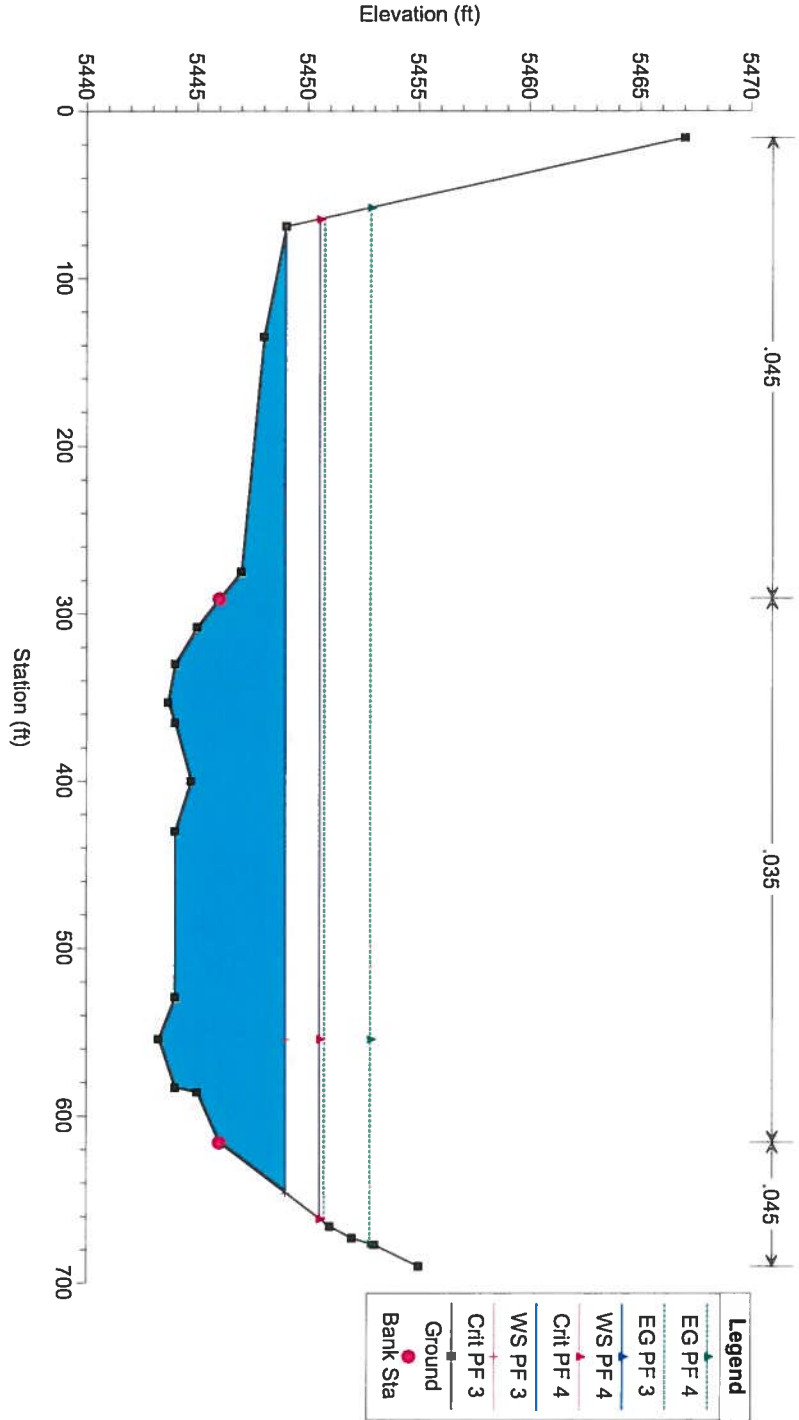
HEC-RAS Plan: Plan 07 River: Tijeras Arroyo Reach: 1 (Continued)

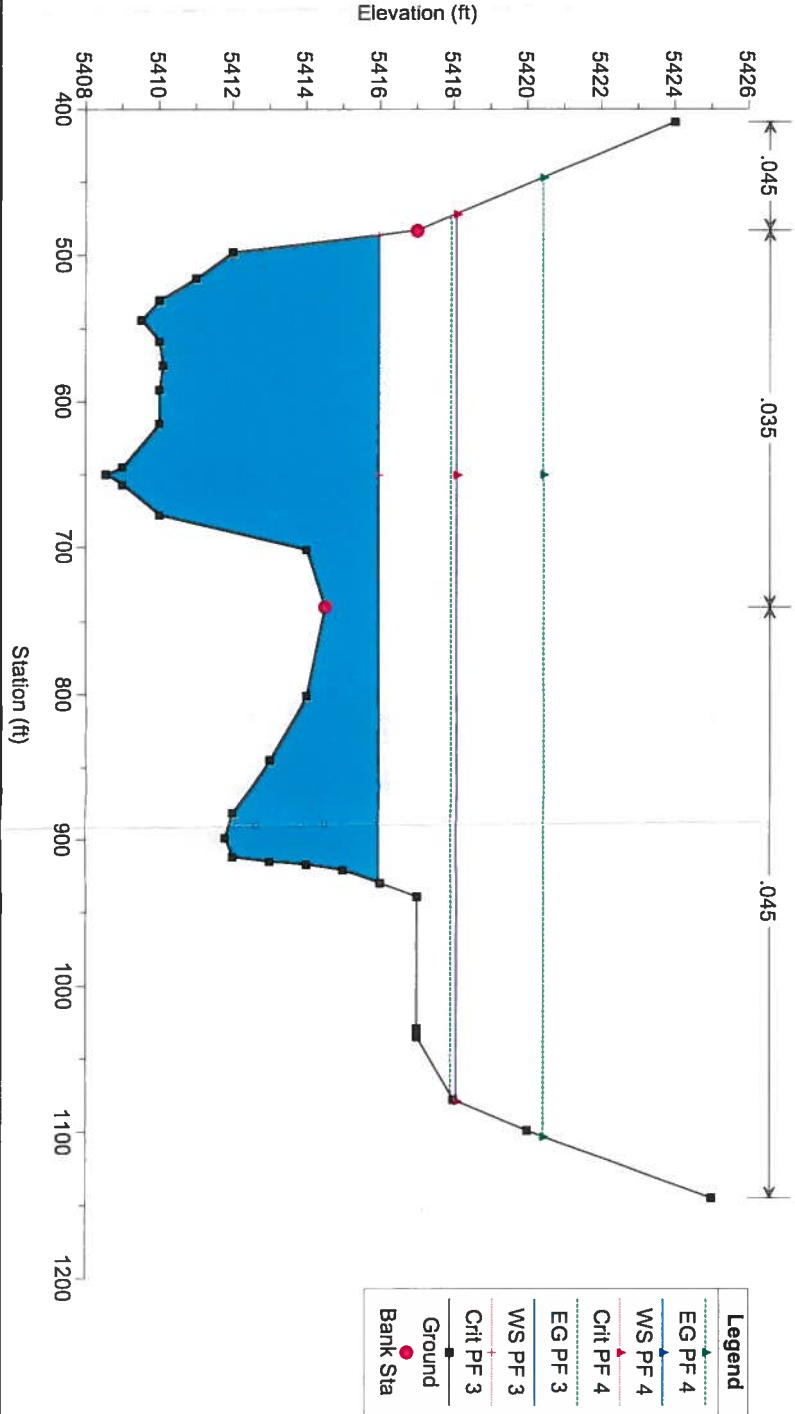
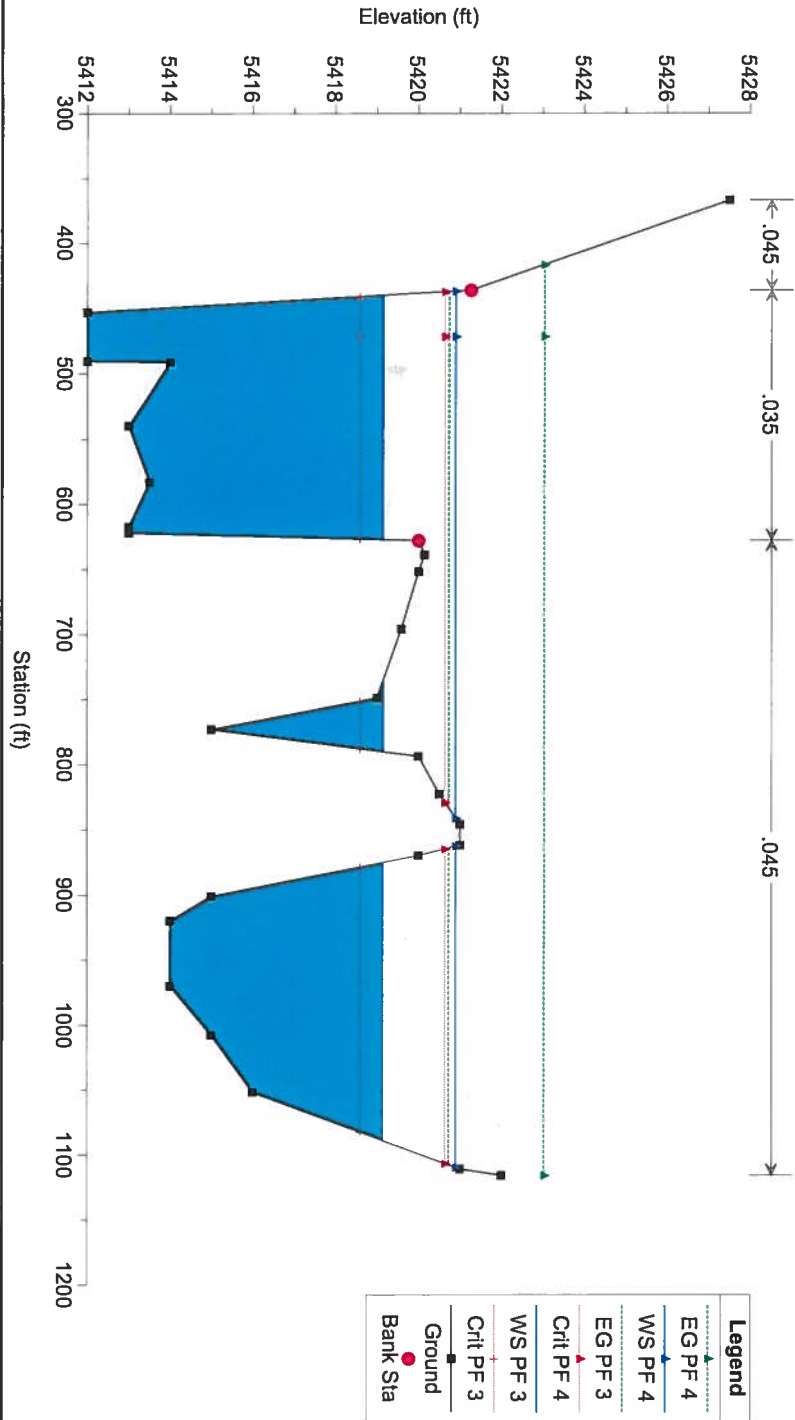
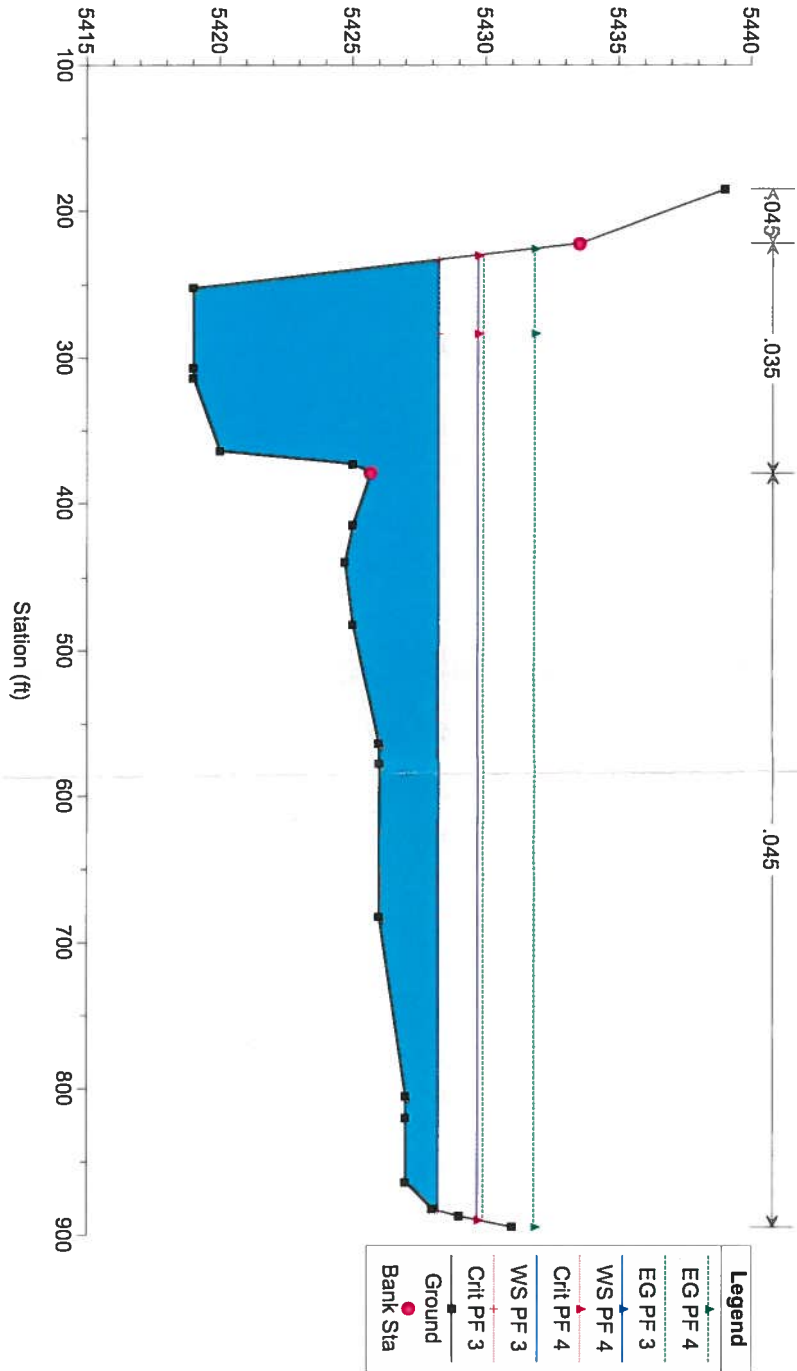
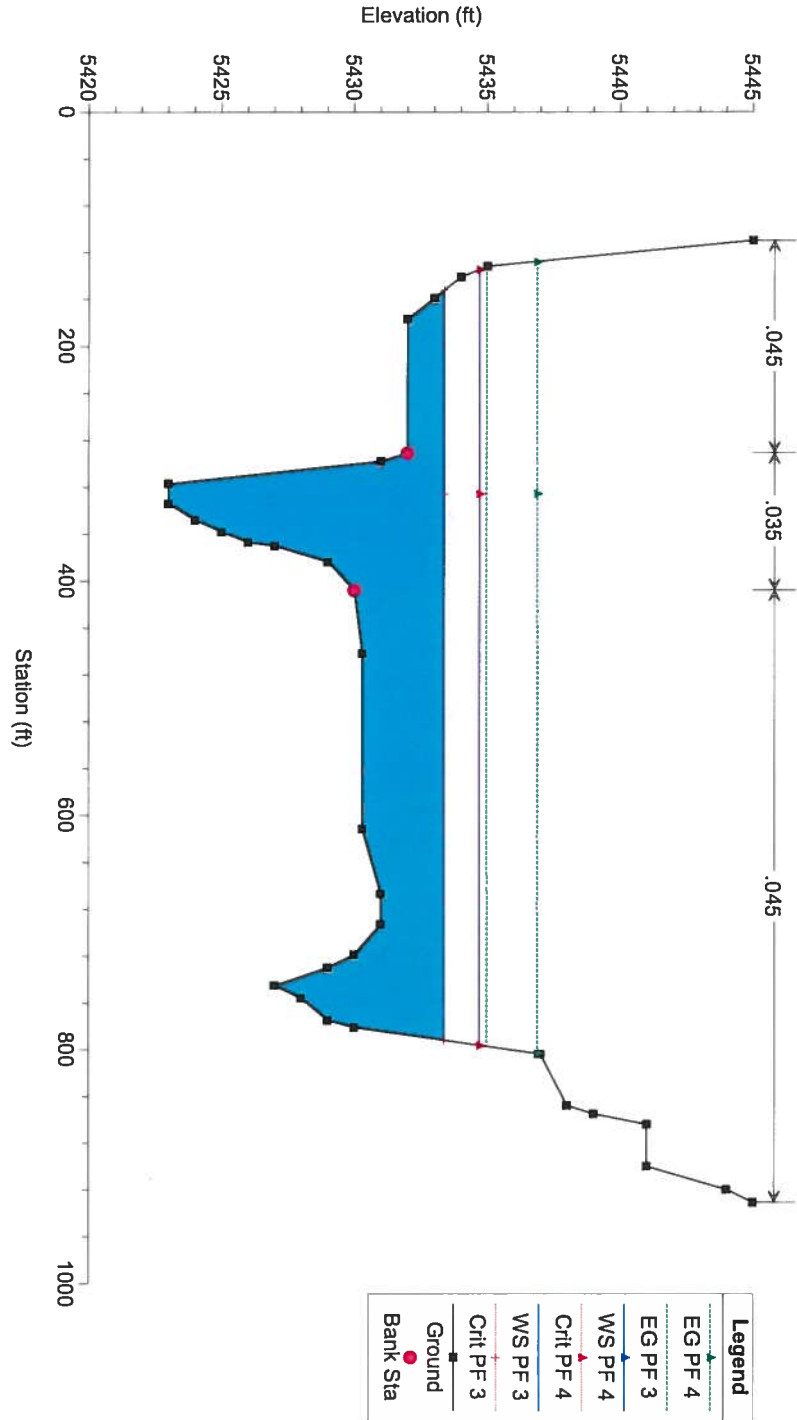
Reach	River Sta	Profile	E.G. Elev (ft)	W.S. Elev (ft)	Vel Head (ft)	Frctn Loss (ft)	C & E Loss (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Top Width (ft)
1	30	PF 3	5444.56	5443.75	0.80	2.01	0.12	698.70	17207.06	159.24	535.29
1	30	PF 4	5447.05	5445.93	1.11	2.07	0.15	2350.33	27750.69	398.98	597.23
1	30	PF 5	5447.96	5446.75	1.22	2.08	0.17	3342.17	31989.55	521.27	603.78
1	35	PF 1	5447.65	5446.51	1.13	2.71	0.23	3.25	6279.72	2.03	338.30
1	35	PF 2	5449.95	5448.31	1.64	2.34	0.29	411.39	13794.73	93.88	524.86
1	35	PF 3	5450.75	5449.01	1.74	2.23	0.28	1010.59	16876.55	177.86	577.12
1	35	PF 4	5452.83	5450.53	2.30	2.14	0.36	3640.13	26338.81	521.07	596.85
1	35	PF 5	5453.61	5451.06	2.55	2.12	0.40	4875.37	30273.37	704.26	603.52
1	40	PF 1	5454.04	5453.10	0.94	6.38	0.02	290.96	4429.40	1584.65	346.38
1	40	PF 2	5456.46	5454.57	1.88	5.81	0.07	1307.85	9598.63	3393.52	374.95
1	40	PF 3	5457.40	5455.23	2.16	5.35	0.13	1963.52	11925.34	4176.14	383.35
1	40	PF 4	5460.05	5457.07	2.98	5.08	0.20	4297.41	19393.01	6809.59	408.72
1	40	PF 5	5461.05	5457.80	3.26	5.02	0.21	5358.92	22503.77	7990.31	418.74
1	41	PF 1	5456.26	5455.19	1.06	2.18	0.04		6285.00		330.37
1	41	PF 2	5458.69	5456.84	1.85	2.23	0.00	24.51	14274.38	1.10	365.78
1	41	PF 3	5459.63	5457.47	2.16	2.15	0.00	113.67	17946.54	4.78	373.82
1	41	PF 4	5462.29	5459.29	3.00	1.98	0.00	633.80	29827.10	39.10	380.79
1	41	PF 5	5463.31	5459.98	3.33	1.92	0.02	905.95	34883.24	63.82	383.48
1	42	PF 1	5462.01	5460.47	1.53	1.66	0.24		6285.00		204.91
1	42	PF 2	5465.30	5462.78	2.52	1.41	0.34		14300.00		295.89
1	42	PF 3	5466.57	5463.67	2.90	1.34	0.37		18065.00		321.46
1	42	PF 4	5470.24	5466.14	4.10	1.21	0.55		30500.00		346.61
1	42	PF 5	5471.64	5467.11	4.54	1.17	0.60		35853.00		350.22
1	43	PF 1	5462.32	5460.74	1.58	0.21	0.02		6285.00		202.03
1	43	PF 2	5465.69	5463.03	2.66	0.18	0.07		14300.00		208.89
1	43	PF 3	5467.01	5463.96	3.05	0.17	0.07		18065.00		211.68
1	43	PF 4	5470.78	5466.56	4.22	0.15	0.06		30500.00		219.47
1	43	PF 5	5472.22	5467.52	4.69	0.15	0.08		35853.00		222.35
1	43.5	Bridge									
1	44	PF 1	5463.72	5463.04	0.68				6285.00		201.22
1	44	PF 2	5467.60	5466.43	1.17				14300.00		209.63
1	44	PF 3	5469.11	5467.75	1.37				18065.00		212.91
1	44	PF 4	5473.39	5471.45	1.93				30500.00		222.12
1	44	PF 5	5475.00	5472.85	2.15				35853.00		225.57
1	45	PF 1	5463.78	5463.07	0.71	0.05	0.02		6285.00		209.34
1	45	PF 2	5467.64	5466.50	1.14	0.04	0.01		14300.00		219.57
1	45	PF 3	5469.17	5467.86	1.31	0.04	0.02		18065.00		223.61
1	45	PF 4	5473.47	5471.68	1.79	0.03	0.04		30500.00		235.03
1	45	PF 5	5475.09	5473.13	1.97	0.03	0.06		35853.00		239.33
1	46	PF 1	5466.25	5465.23	1.02	0.99	0.09	56.85	4674.58	1553.57	387.05
1	46	PF 2	5468.52	5467.02	1.50	0.77	0.11	409.15	10349.11	3541.73	405.59
1	46	PF 3	5469.80	5468.62	1.17	0.62	0.01	670.66	12897.62	4496.72	430.07
1	46	PF 4	5473.97	5473.05	0.92	0.42	0.09	2790.20	21322.04	6387.77	1030.50
1	46	PF 5	5475.57	5474.76	0.81	0.36	0.12	3834.06	23622.78	8396.19	1057.00
1	50	PF 1	5471.39	5470.75	0.65	5.10	0.04	50.80	3854.46	2379.74	435.87
1	50	PF 2	5473.41	5471.99	1.42	4.87	0.01	243.04	8738.18	5318.78	472.61
1	50	PF 3	5474.20	5472.32	1.87	3.55	0.21	333.60	10969.55	6761.85	482.73
1	50	PF 4	5476.44	5473.92	2.52	1.82	0.48	1038.39	17925.18	11536.42	510.75
1	50	PF 5	5477.35	5475.04	2.31	1.33	0.45	1597.20	20674.49	13581.31	519.84
1	51	PF 1	5473.31	5472.31	1.00	1.72	0.10	36.25	5695.19	553.56	428.11
1	51	PF 2	5475.39	5473.78	1.61	1.81	0.06	338.22	12436.19	1525.58	486.21
1	51	PF 3	5476.18	5474.42	1.76	1.85	0.01	566.08	15442.24	2056.68	518.98
1	51	PF 4	5478.36	5475.92	2.44	1.69	0.01	1704.08	24961.91	3834.01	542.14
1	51	PF 5	5479.18	5476.49	2.69	1.42	0.11	2251.28	28934.90	4666.82	550.00
1	52	PF 1	5475.80	5474.94	0.86	2.30	0.01	78.75	5412.26	793.99	552.17
1	52	PF 2	5477.57	5476.19	1.38	1.91	0.02	653.10	11624.52	2022.38	581.72

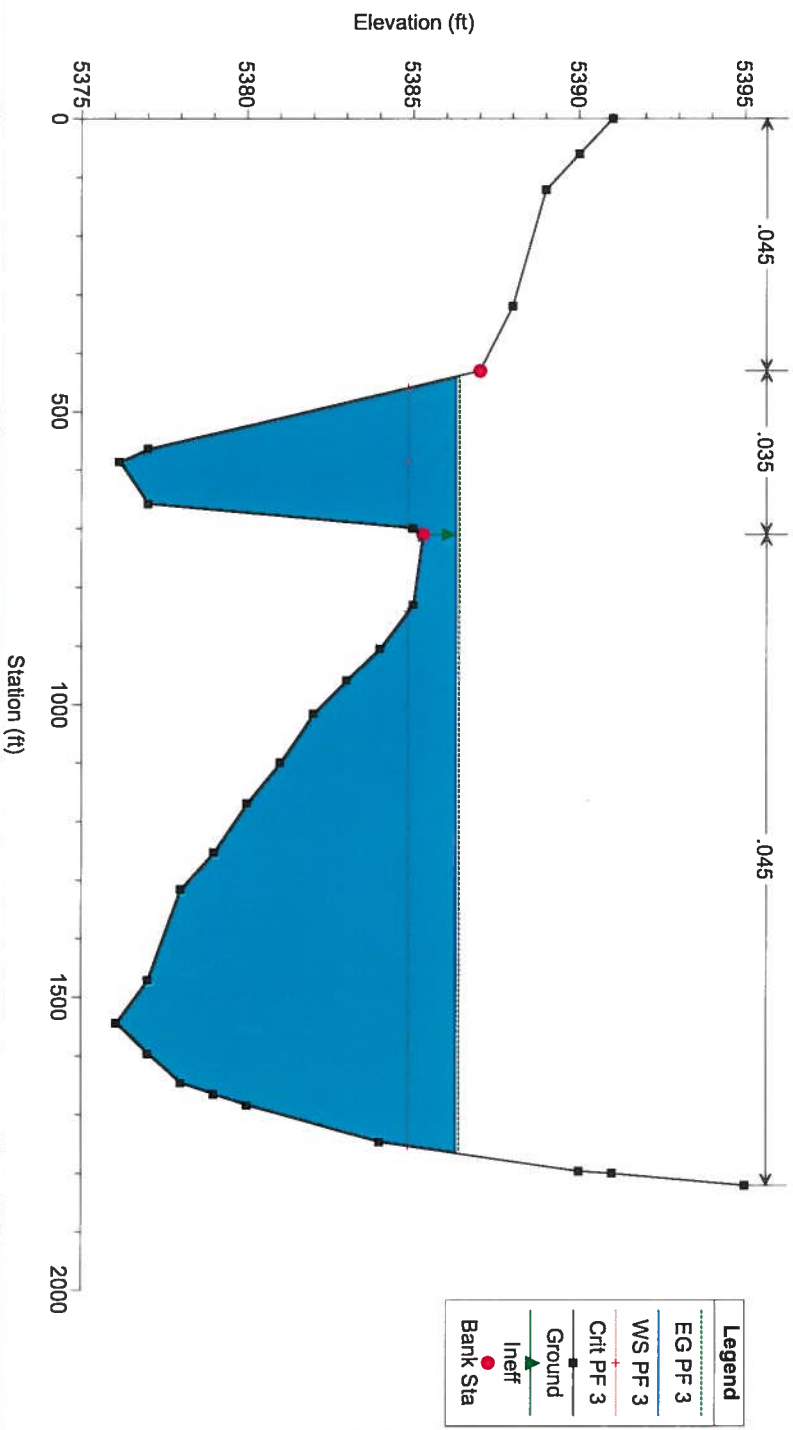
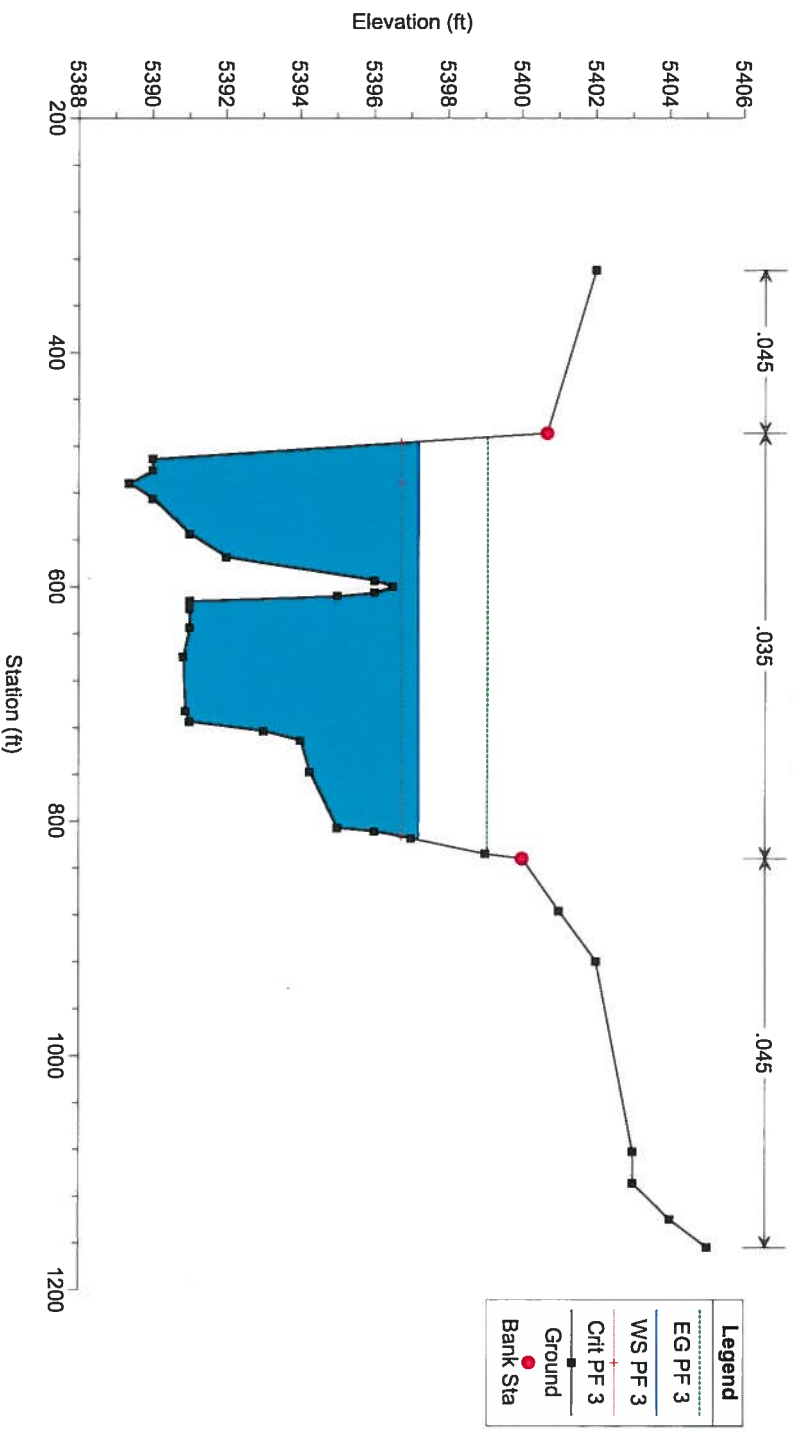
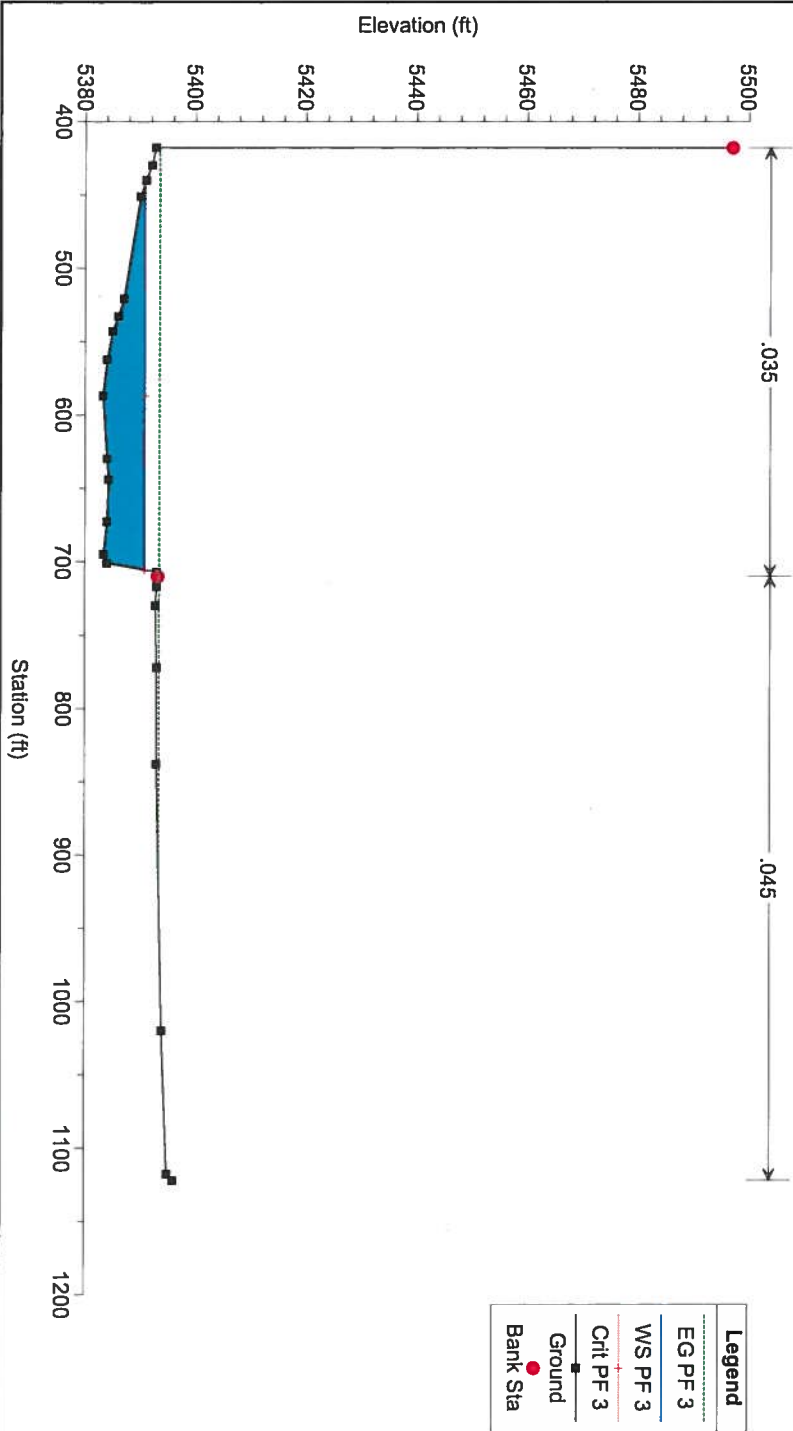
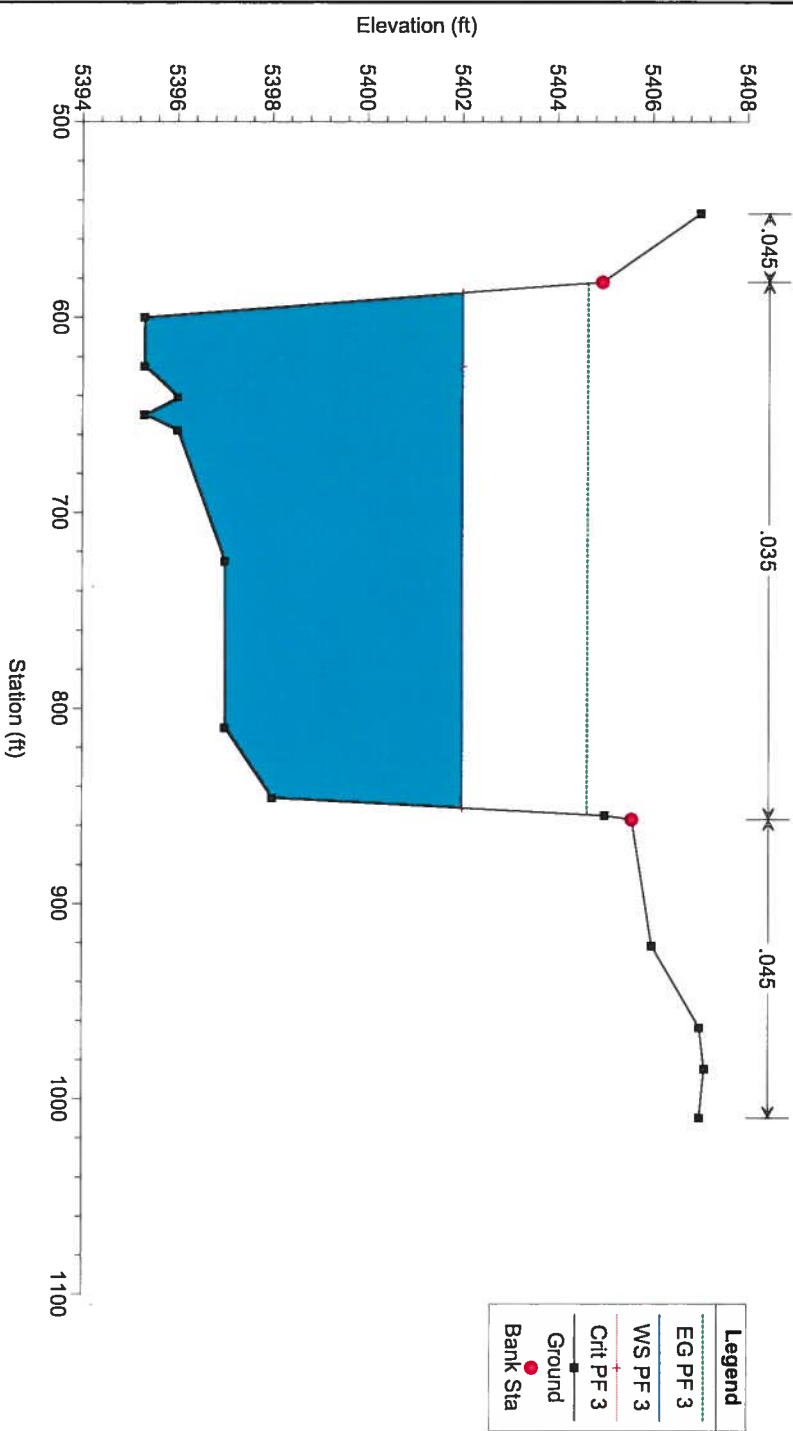
HEC-RAS Plan: Plan 07 River: Tijeras Arroyo Reach: 1 (Continued)

Reach	River Sta	Profile	E.G. Elev (ft)	W.S. Elev (ft)	Vel Head (ft)	Frctn Loss (ft)	C & E Loss (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Top Width (ft)
1	52	PF 3	5478.26	5476.65	1.61	1.79	0.02	964.90	14450.72	2649.38	586.94
1	52	PF 4	5480.24	5477.98	2.26	1.68	0.02	2102.23	23615.49	4782.28	603.24
1	52	PF 5	5481.00	5478.51	2.49	1.63	0.02	2626.69	27505.80	5720.51	610.40
1	54	PF 1	5477.74	5477.22	0.52	1.91	0.03	661.74	3807.21	1816.05	829.50
1	54	PF 2	5479.18	5478.50	0.68	1.54	0.07	2901.27	7090.78	4307.96	997.61
1	54	PF 3	5479.76	5479.06	0.70	1.41	0.09	4264.39	8374.21	5426.40	1016.91
1	54	PF 4	5481.49	5480.74	0.76	1.10	0.15	9064.24	12338.99	9096.77	1042.03
1	54	PF 5	5482.18	5481.40	0.78	1.02	0.17	11173.67	14005.73	10673.61	1051.59
1	60	PF 1	5486.83	5486.20	0.63	8.03	0.03	0.78	4521.49	1762.73	855.42
1	60	PF 2	5488.15	5487.13	1.02	6.52	0.10	73.64	9628.40	4597.96	950.96
1	60	PF 3	5488.65	5487.48	1.18	5.91	0.14	147.90	11950.50	5966.61	986.30
1	60	PF 4	5490.05	5488.50	1.55	4.50	0.24	594.23	19101.22	10804.54	1049.57
1	60	PF 5	5490.57	5488.85	1.72	4.18	0.28	834.69	22058.67	12959.65	1056.30
1	70	PF 1	5504.98	5504.17	0.81	17.03	0.05	725.08	4577.60	982.33	627.11
1	70	PF 2	5506.63	5505.37	1.27	16.26	0.08	2371.94	8687.81	3240.25	712.81
1	70	PF 3	5507.26	5505.82	1.44	16.08	0.08	3274.50	10447.96	4342.54	745.35
1	70	PF 4	5508.94	5507.03	1.90	15.02	0.11	6956.37	15679.42	7864.21	774.25
1	70	PF 5	5509.57	5507.50	2.08	14.84	0.11	8854.13	17813.44	9385.43	781.40

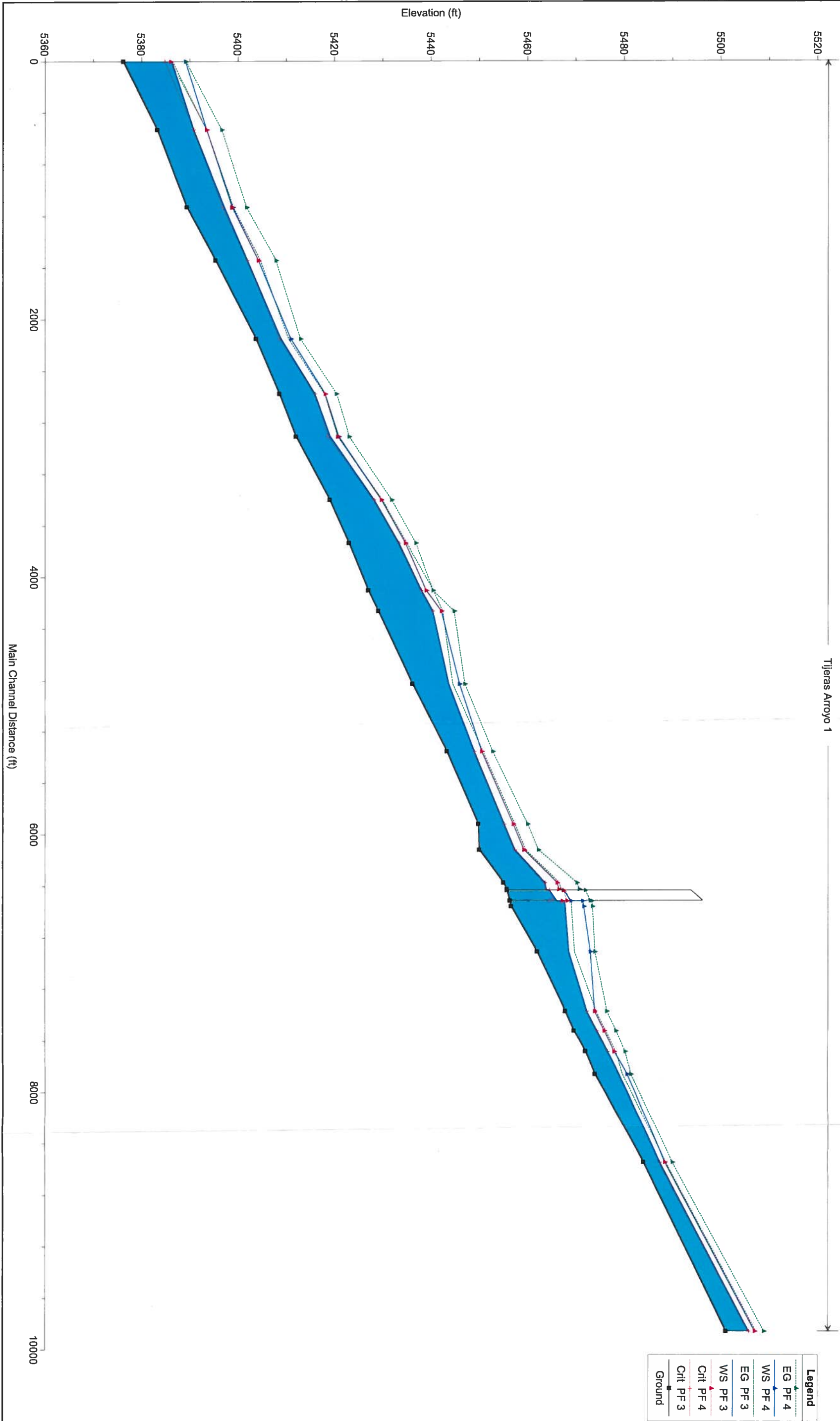








Tijeras Arroyo 1



Legend	
EG PF 4	
WS PF 4	
EG PF 3	
WS PF 3	
Crit PF 4	
Crit PF 3	
Ground	