

HEC-RAS Plan: Dup Eff River: Tijeras Arroyo Reach: 1

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	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	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	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	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	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	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	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

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

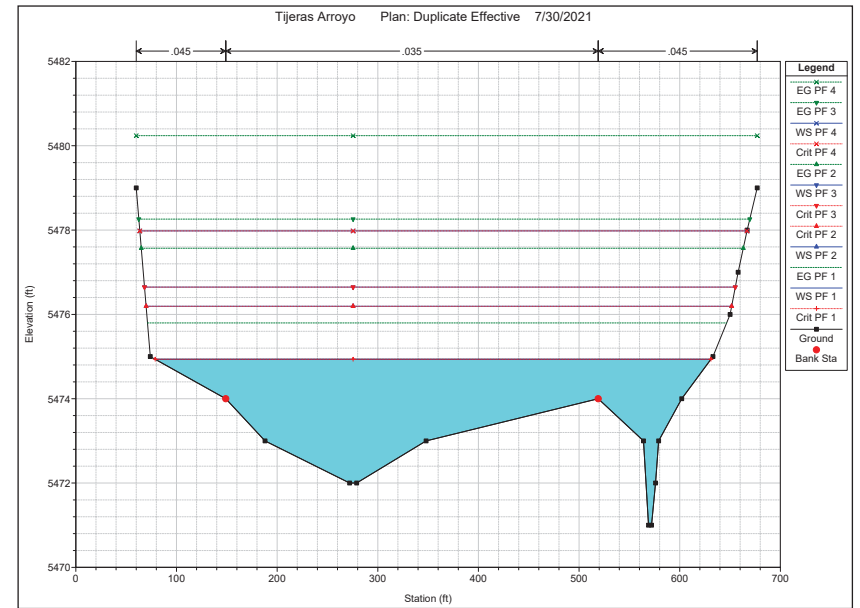
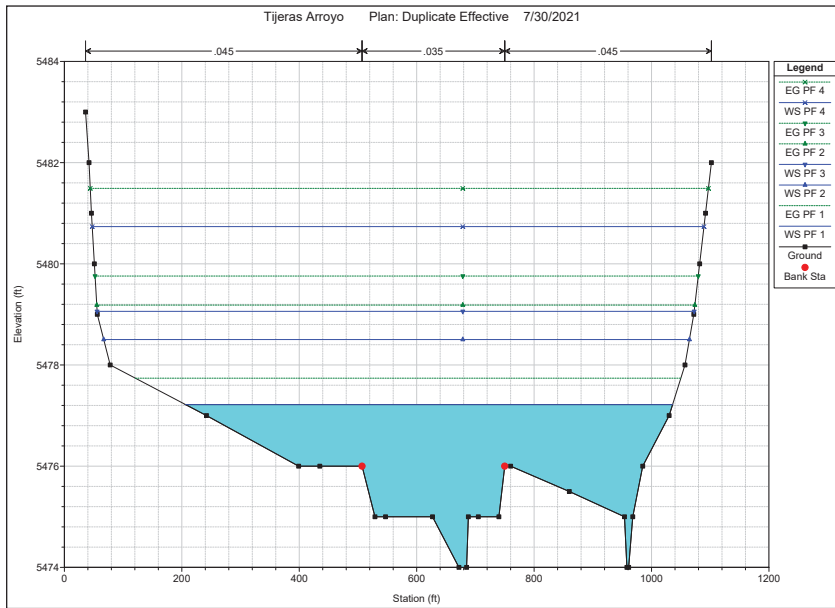
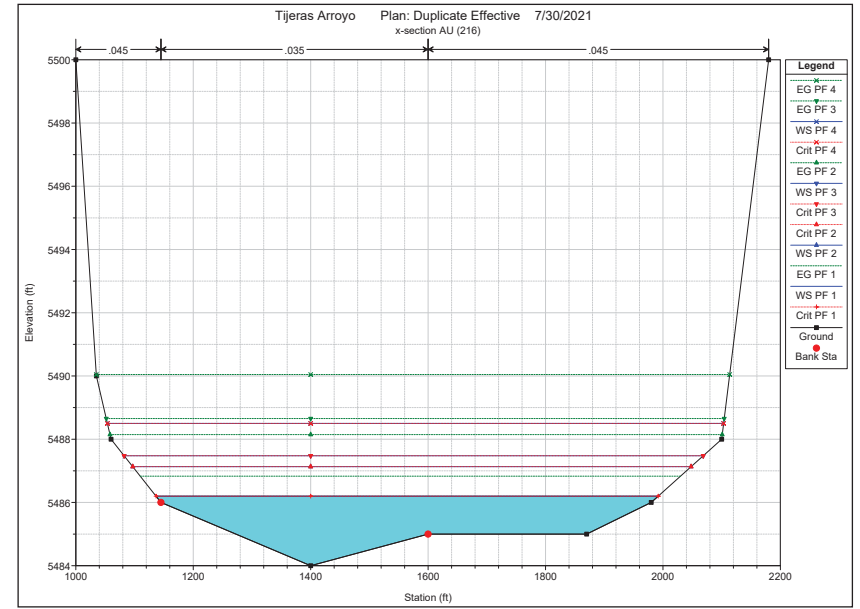
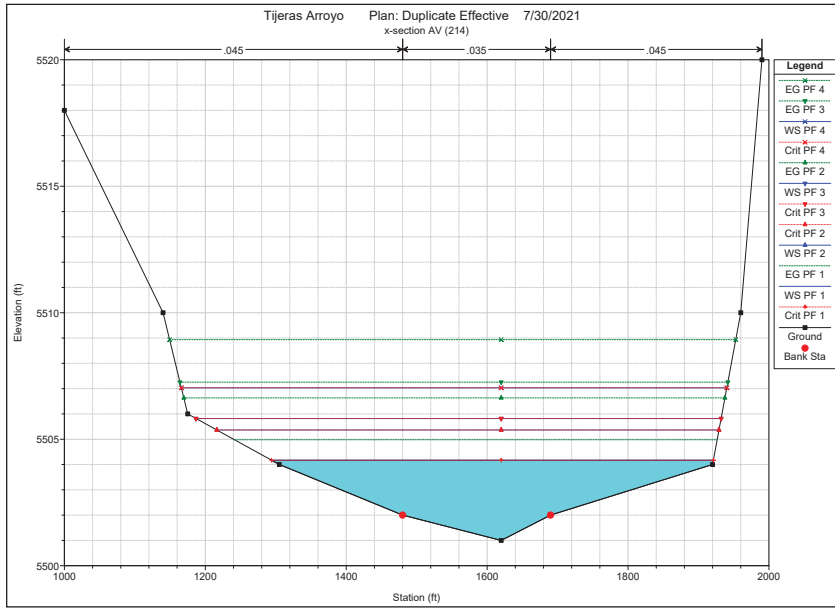
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	45	PF 4	30500.00	5456.61	5471.68		5473.47	0.000787	10.72	2844.63	235.03	0.54
1	44	PF 1	6285.00	5456.33	5463.04	5461.37	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	43.5		Bridge									
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	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	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	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	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
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

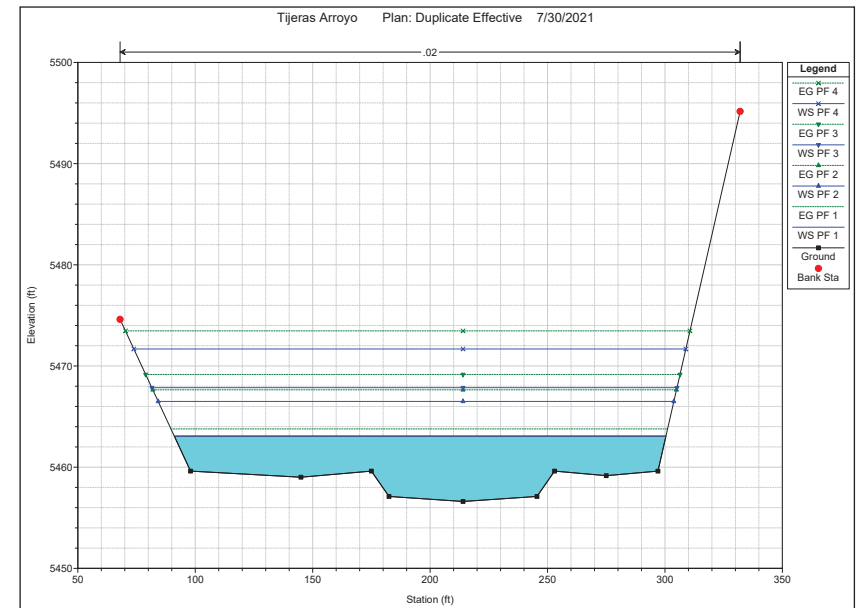
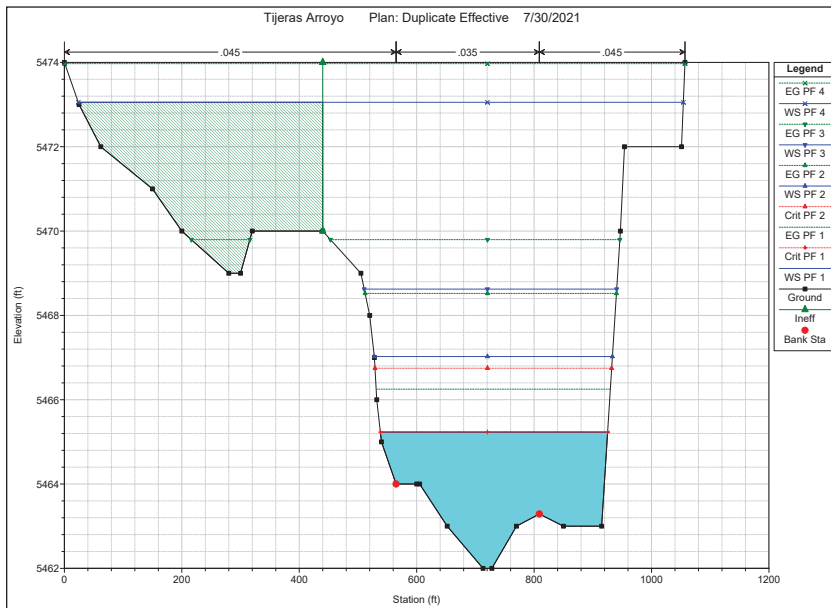
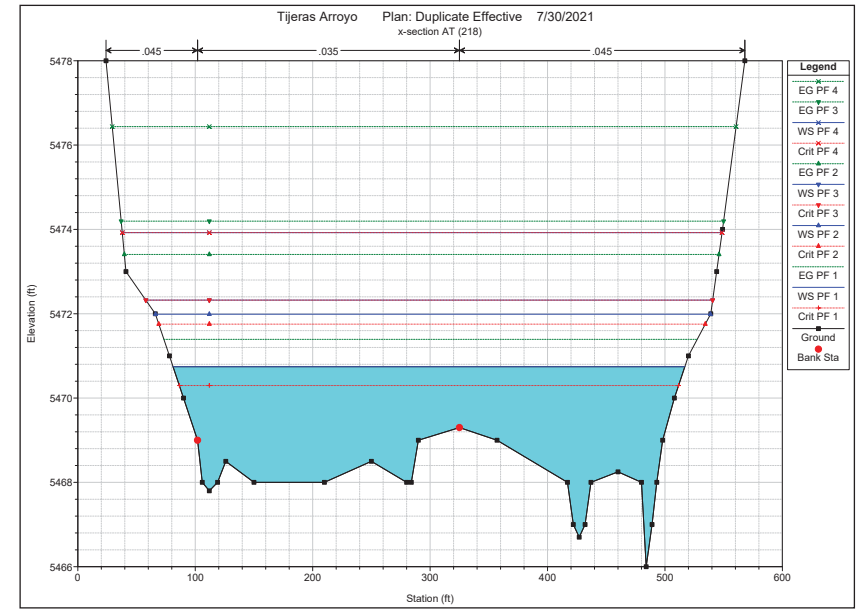
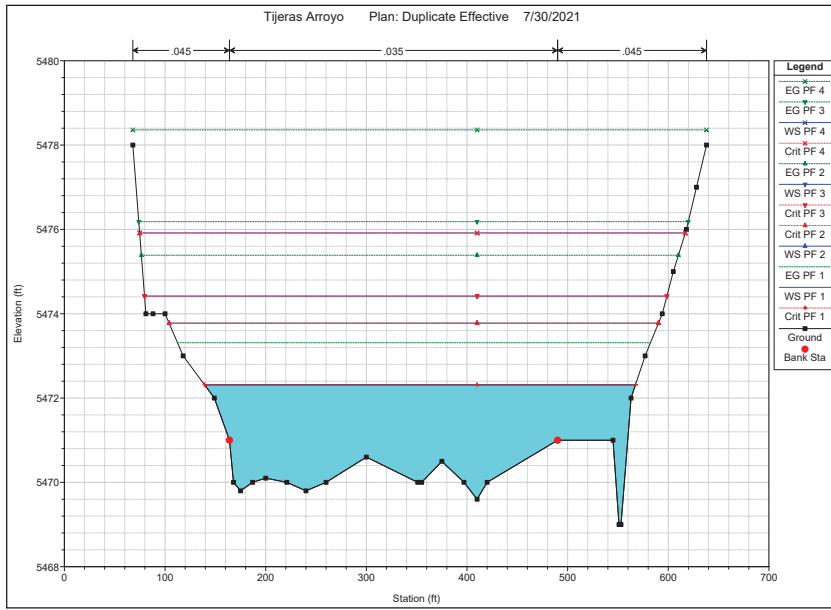
HEC-RAS Plan: Dup Eff River: Tijeras Arroyo Reach: 1 (Continued)

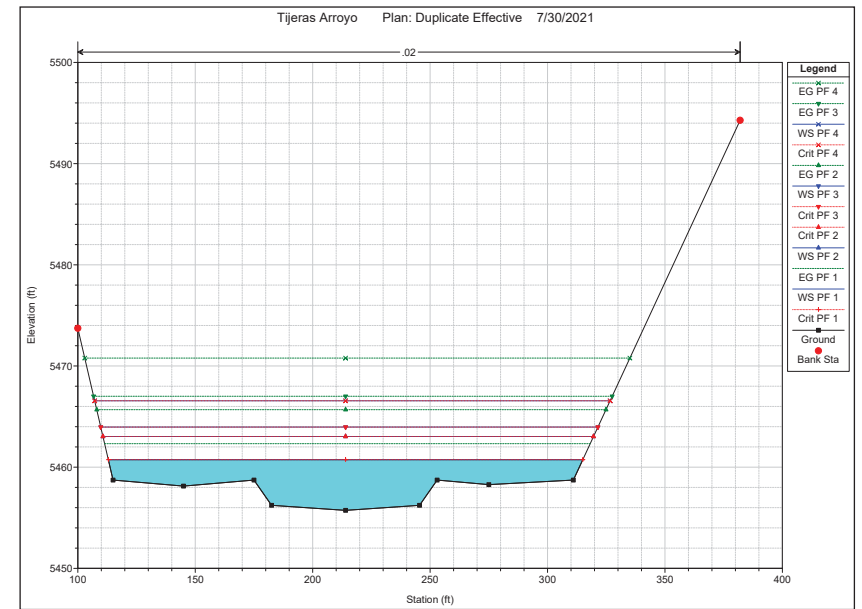
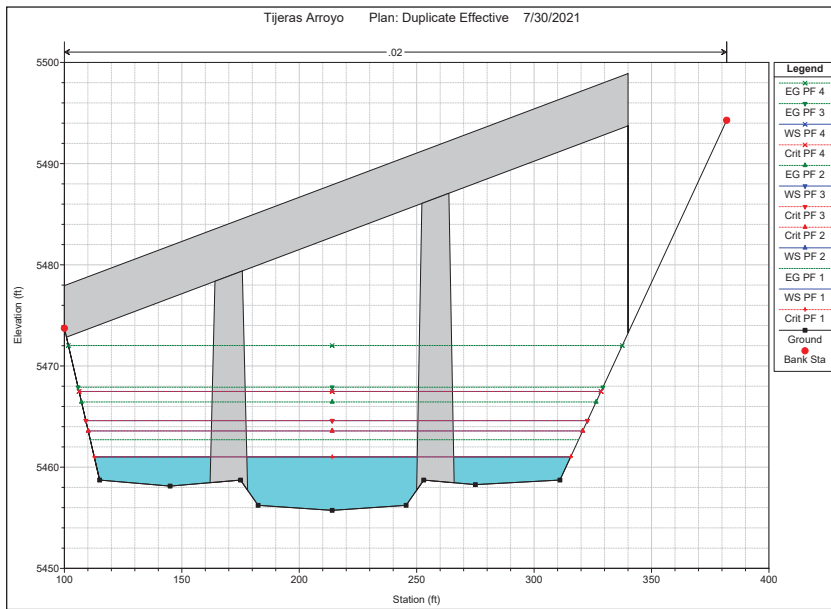
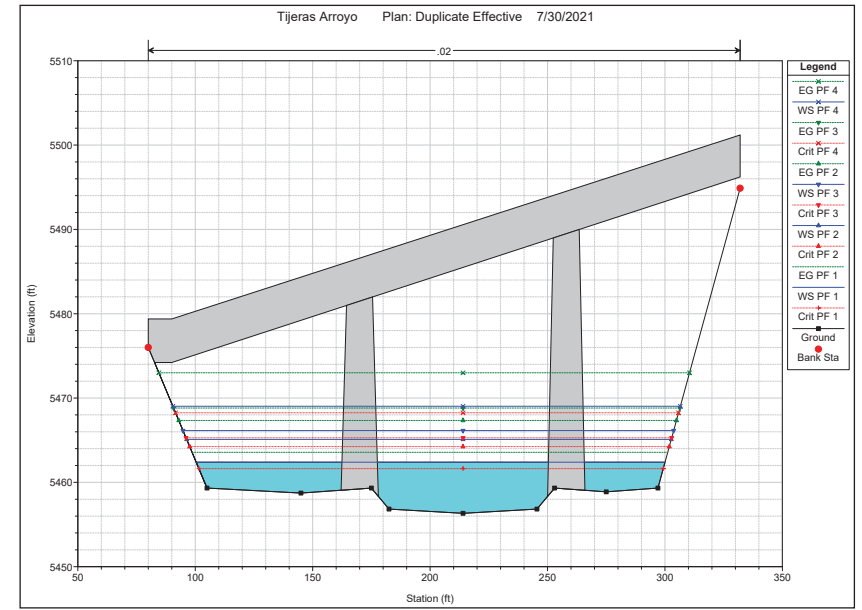
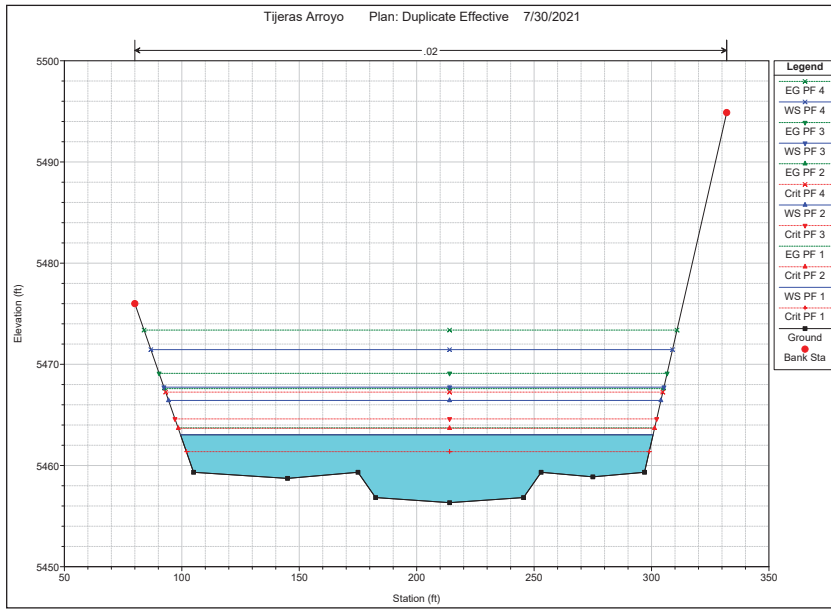
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	22	PF 1	6285.00	5429.07	5436.76	5436.76	5438.67	0.007757	11.34	641.98	227.05	0.86
1	22	PF 2	14300.00	5429.07	5439.70	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	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	15	PF 1	6285.00	5423.00	5431.31	5431.31	5432.34	0.005451	9.01	1013.93	489.44	0.71
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	10	PF 1	6285.00	5419.00	5425.90	5425.90	5427.23	0.006181	9.59	826.32	424.43	0.76
1	10	PF 2	14300.00	5419.00	5427.90	5427.90	5429.16	0.005053	10.86	2198.32	793.58	0.72
1	10	PF 3	18065.00	5419.00	5428.36	5428.36	5429.77	0.005489	11.81	2565.22	804.11	0.76
1	10	PF 4	30500.00	5419.00	5429.58	5429.58	5431.42	0.006474	14.20	3563.07	827.70	0.85
1	8	PF 1	6285.00	5413.00	5416.98		5417.93	0.008341	8.81	887.93	337.07	0.83
1	8	PF 2	14300.00	5413.00	5418.65	5418.48	5420.36	0.009752	12.06	1498.19	390.20	0.95
1	8	PF 3	18065.00	5413.00	5419.33	5419.10	5421.29	0.009878	13.05	1773.78	439.90	0.97
1	8	PF 4	30500.00	5413.00	5420.79	5420.79	5423.49	0.011188	15.93	2758.52	939.53	1.07
1	6	PF 1	6285.00	5408.55	5413.28	5413.28	5414.63	0.011043	9.51	710.15	286.25	0.95
1	6	PF 2	14300.00	5408.55	5415.38	5415.38	5417.07	0.009321	11.04	1497.75	436.49	0.92
1	6	PF 3	18065.00	5408.55	5415.92	5415.92	5417.91	0.009606	12.06	1739.12	443.08	0.95
1	6	PF 4	30500.00	5408.55	5418.15	5418.15	5419.90	0.005977	12.09	3600.63	1004.60	0.80
1	5	PF 1	6285.00	5403.71	5407.14		5407.92	0.009215	7.09	886.47	383.08	0.82
1	5	PF 2	14300.00	5403.71	5408.85		5410.17	0.007736	9.20	1553.58	395.85	0.82
1	5	PF 3	18065.00	5403.71	5409.59		5411.07	0.007080	9.77	1849.67	402.87	0.80
1	5	PF 4	30500.00	5403.71	5412.00	5410.65	5413.75	0.005482	10.63	2913.04	615.16	0.74
1	4	PF 1	6285.00	5395.30	5399.84	5399.84	5401.33	0.012597	9.77	643.20	217.62	1.00
1	4	PF 2	14300.00	5395.30	5402.01	5402.01	5404.52	0.010753	12.72	1123.95	226.22	1.01

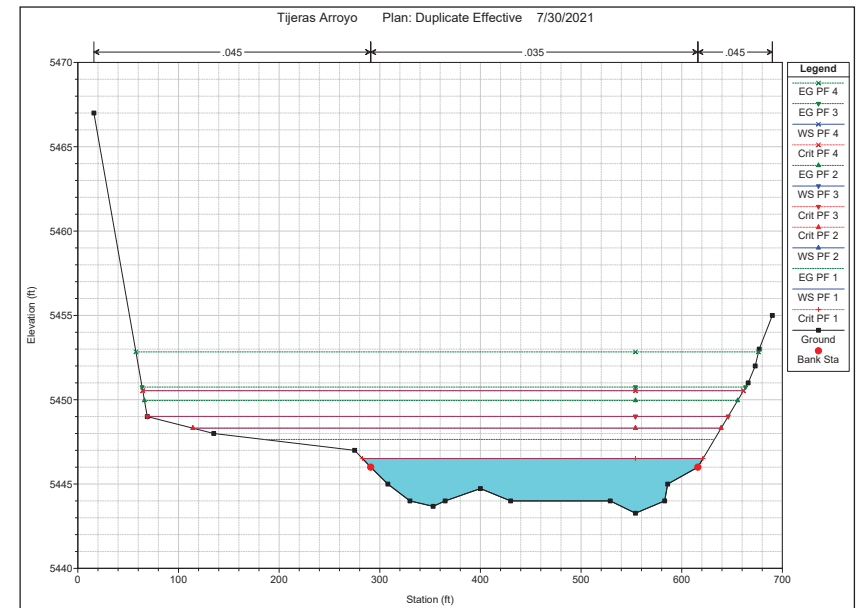
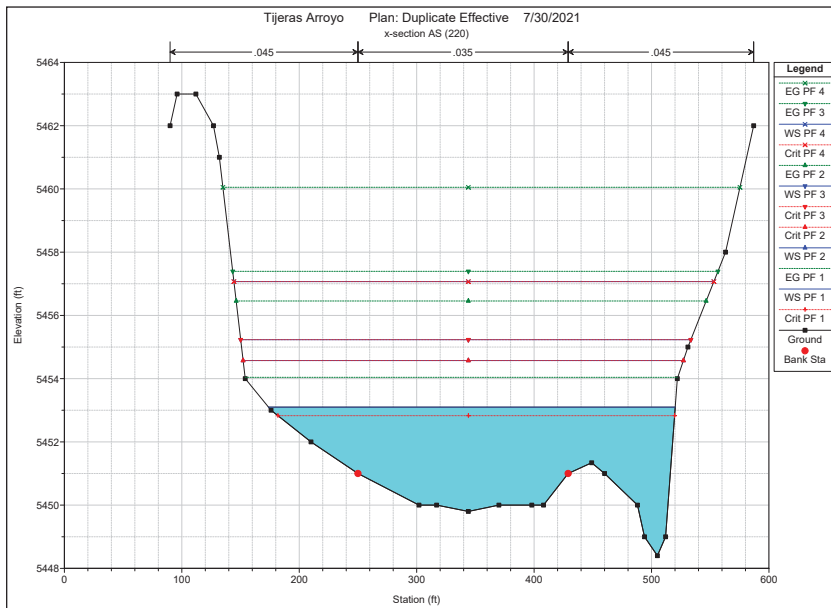
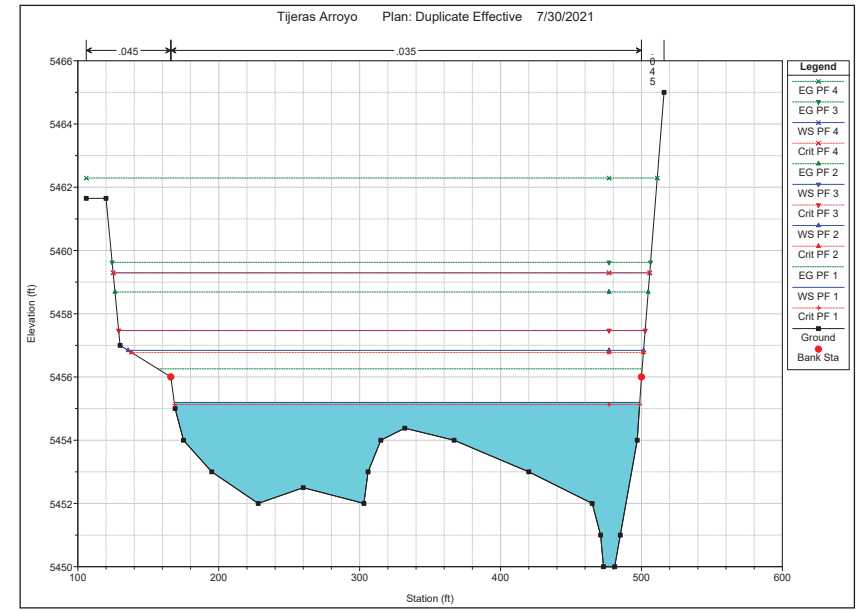
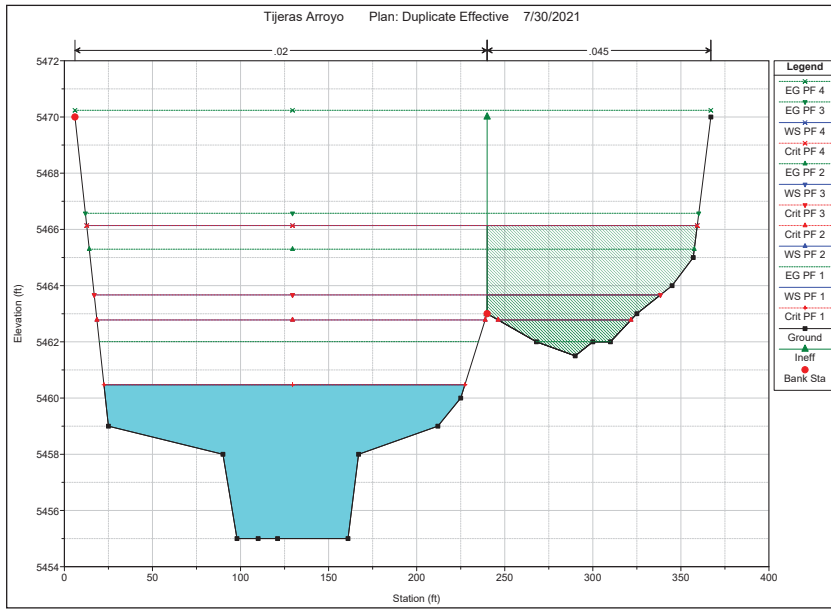
HEC-RAS Plan: Dup Eff River: Tijeras Arroyo Reach: 1 (Continued)

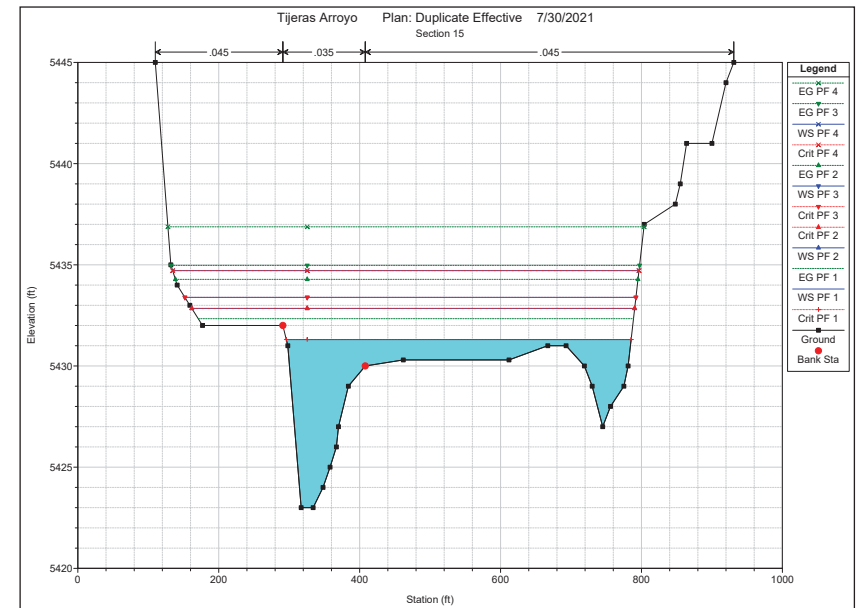
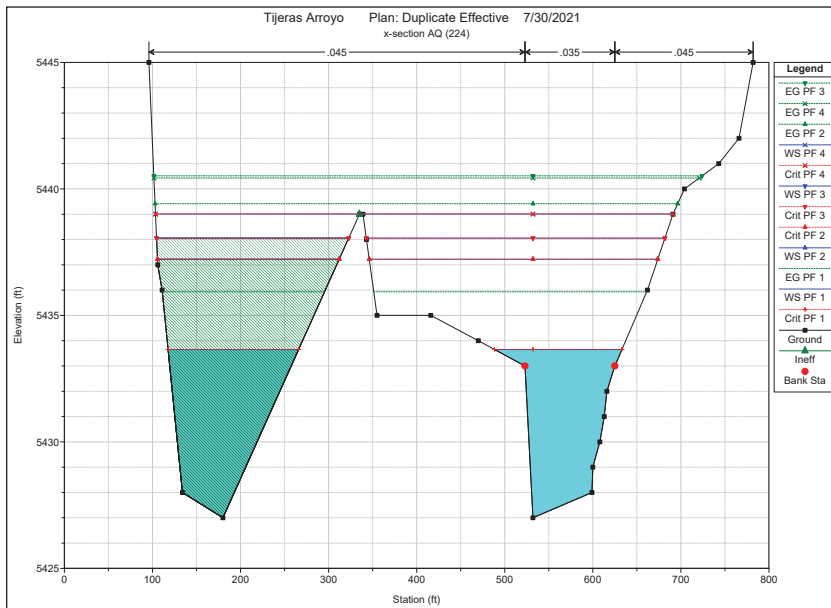
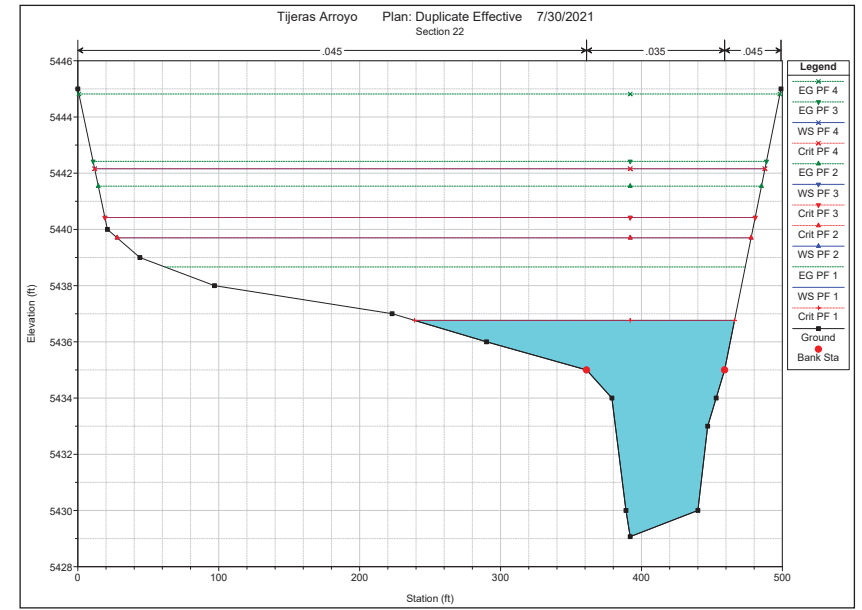
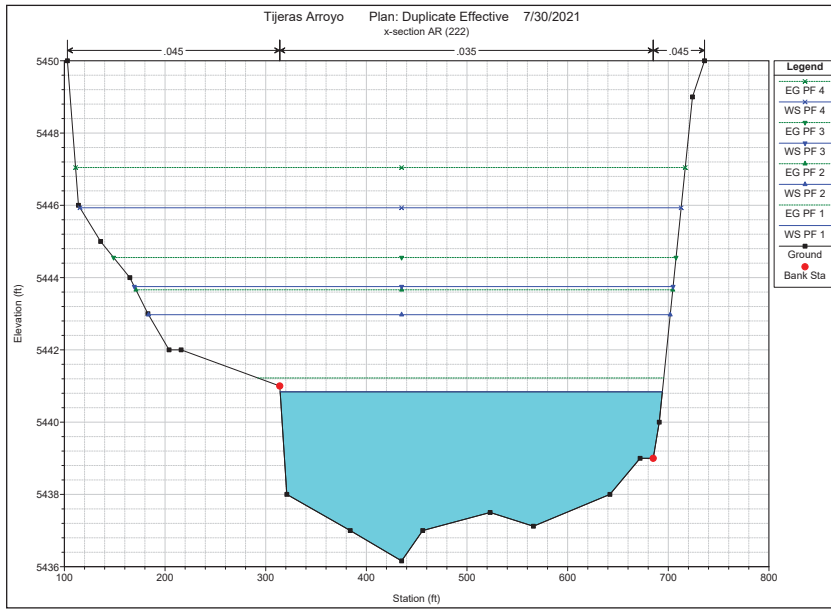
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	4	PF 3	18065.00	5395.30	5402.89	5402.89	5405.77	0.010307	13.61	1327.12	233.55	1.01
1	4	PF 4	30500.00	5395.30	5405.42	5405.42	5409.26	0.009306	15.73	1941.47	268.48	1.00
1	3.5	PF 1	6285.00	5389.36	5394.33	5393.78	5395.30	0.008480	7.91	794.93	273.82	0.82
1	3.5	PF 2	14300.00	5389.36	5396.43		5397.90	0.007778	9.72	1471.88	348.29	0.83
1	3.5	PF 3	18065.00	5389.36	5397.16		5398.86	0.007474	10.45	1729.00	355.94	0.84
1	3.5	PF 4	30500.00	5389.36	5398.45	5398.45	5401.45	0.010035	13.89	2195.67	367.55	1.00
1	3	PF 1	6285.00	5383.22	5387.53	5387.53	5389.14	0.012473	10.17	618.19	194.80	1.01
1	3	PF 2	14300.00	5383.22	5390.00	5390.00	5392.31	0.010963	12.21	1171.49	253.98	1.00
1	3	PF 3	18065.00	5383.22	5390.81	5390.81	5393.47	0.010622	13.08	1381.45	263.46	1.01
1	3	PF 4	30500.00	5383.22	5393.95	5393.95	5396.41	0.006310	12.85	2753.96	819.79	0.82
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

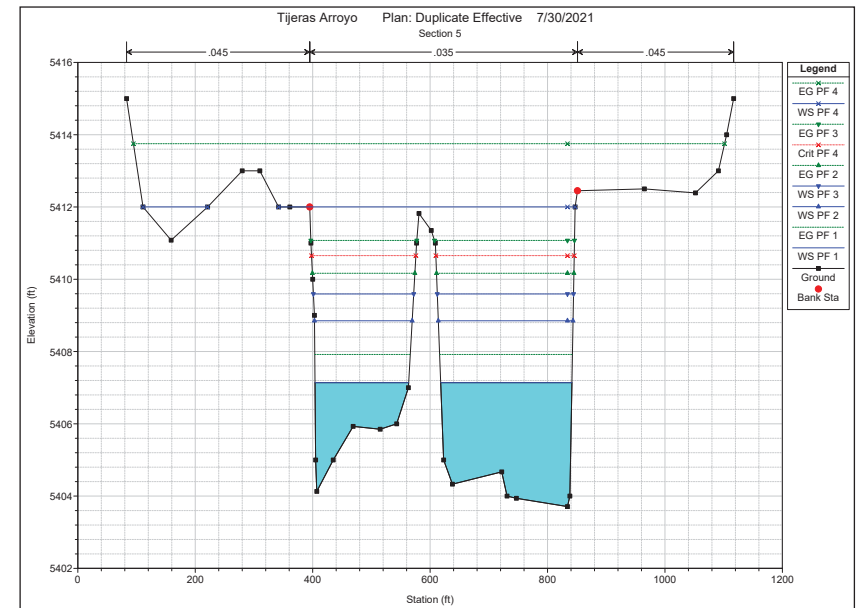
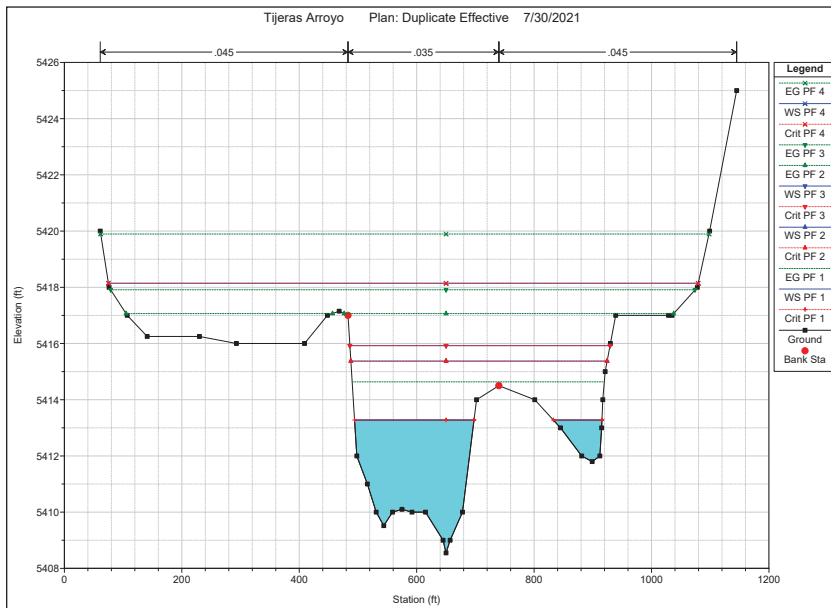
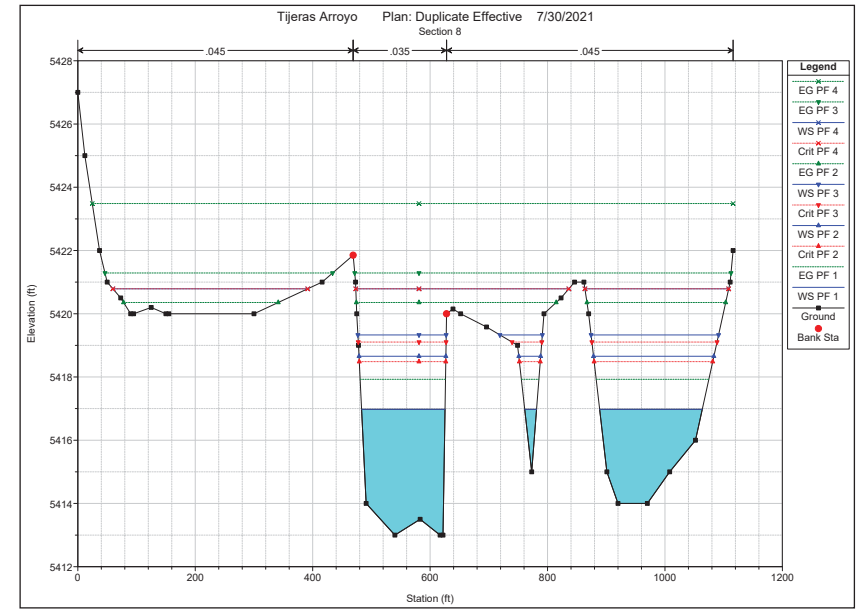
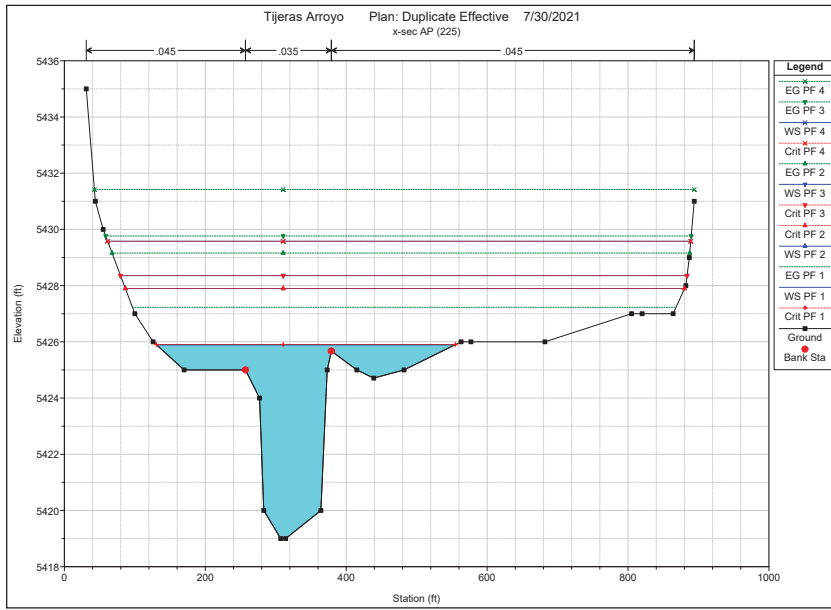


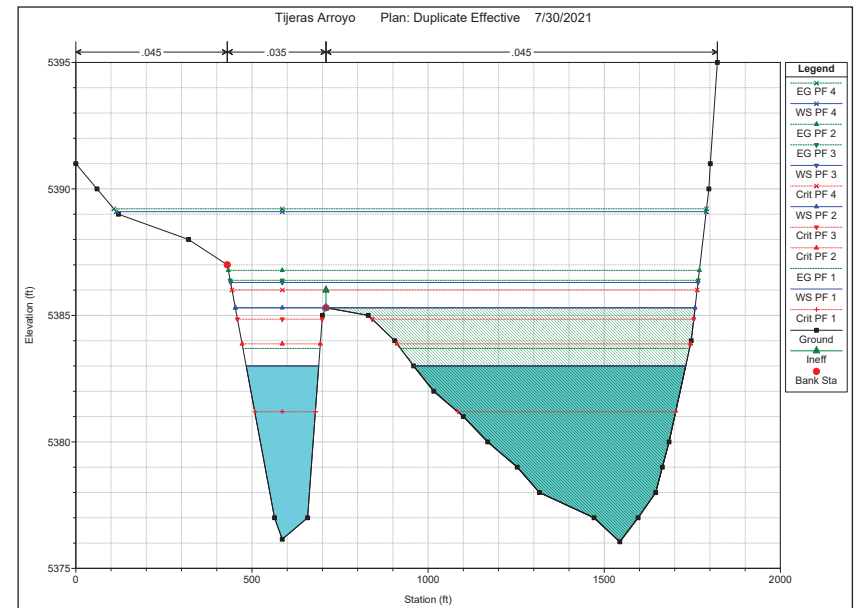
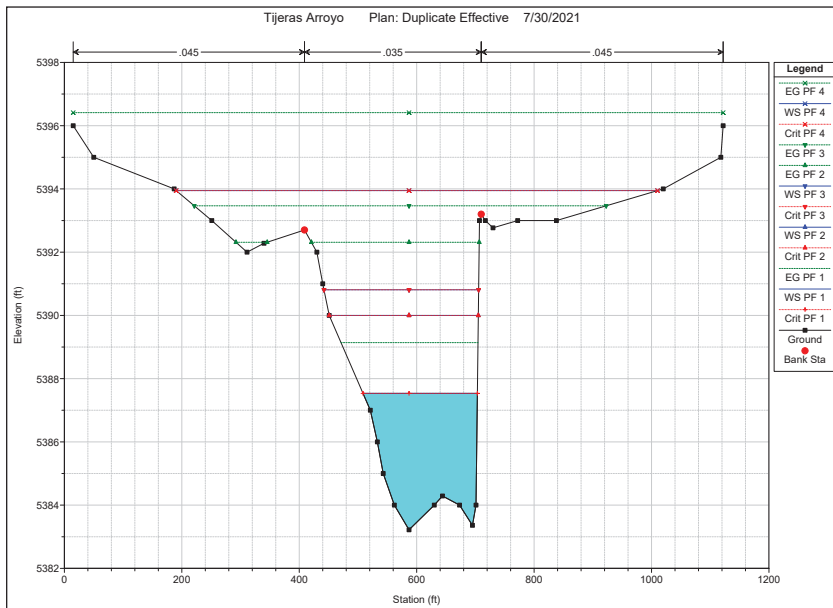
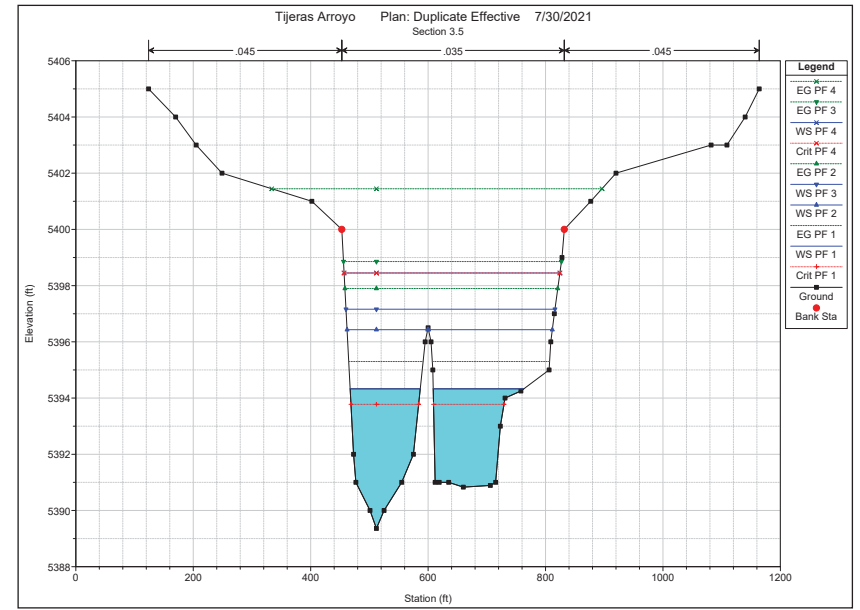
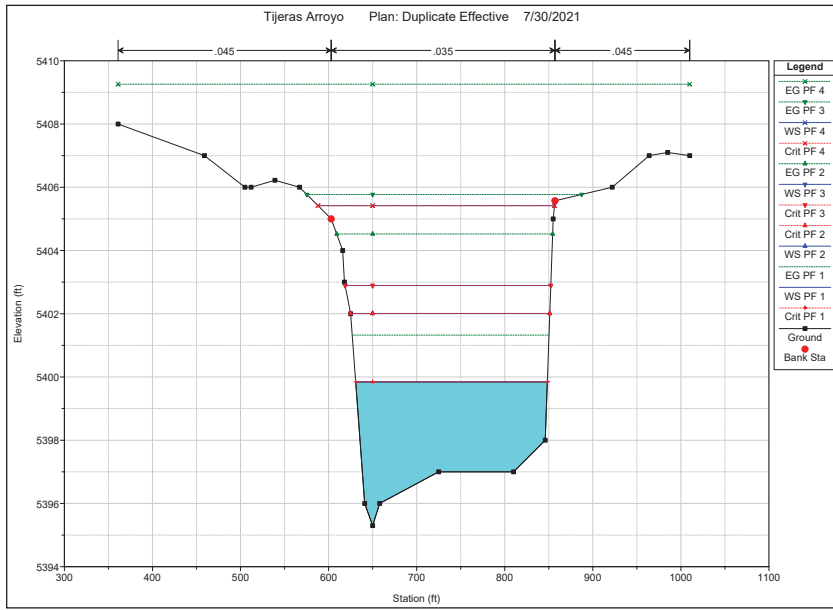












HEC-RAS Plan: Dup Eff - FW River: Tijeras Arroyo Reach: 1

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
1	70	PF 1	5505.82		5507.26	745.35	3274.50	10447.96	4342.54		1480.00	1690.00	
1	70	PF 2	5506.72	0.90	5509.26	291.40	1149.59	14791.88	2123.54	1451.06	1480.00	1690.00	1742.46
1	60	PF 1	5487.48		5488.65	986.30	147.90	11950.50	5966.61		1145.00	1600.00	
1	60	PF 2	5488.42	0.94	5490.27	455.00		18065.00		1145.00	1145.00	1600.00	1600.00
1	54	PF 1	5479.06		5479.76	1016.91	4264.39	8374.21	5426.40		507.00	750.00	
1	54	PF 2	5479.35	0.29	5481.33	417.00	1696.28	13248.74	3119.98	441.00	507.00	750.00	858.00
1	52	PF 1	5476.65		5478.26	586.94	964.90	14450.72	2649.38		149.00	519.00	
1	52	PF 2	5477.11	0.47	5479.03	440.00	1306.84	16758.16		70.00	149.00	519.00	510.00
1	51	PF 1	5474.42		5476.18	518.98	566.08	15442.24	2056.68		164.00	490.00	
1	51	PF 2	5474.66	0.24	5476.64	430.00	718.60	16829.24	517.16	80.00	164.00	490.00	510.00
1	50	PF 1	5472.32		5474.20	482.73	333.60	10969.55	6761.85		102.00	325.00	
1	50	PF 2	5472.73	0.40	5474.78	409.23	428.12	12287.84	5349.04	47.00	102.00	325.00	457.00
1	46	PF 1	5468.62		5469.80	430.07	670.66	12897.62	4496.72		565.00	809.00	
1	46	PF 2	5468.58	-0.04	5469.80	390.00	652.46	12919.28	4493.27	535.00	565.00	809.00	925.00
1	45	PF 1	5467.86		5469.17	223.61		18065.00			68.00	332.00	
1	45	PF 2	5467.86	0.00	5469.17	223.61		18065.00		68.00	68.00	332.00	332.00
1	44	PF 1	5467.75		5469.11	212.91		18065.00			80.00	332.00	
1	44	PF 2	5467.75	0.00	5469.11	212.91		18065.00		65.00	80.00	332.00	347.00
1	43.5 BR U	PF 1	5466.15		5468.82	179.90		18065.00			80.00	332.00	
1	43.5 BR U	PF 2	5466.15	0.00	5468.82	179.90		18065.00		65.00	80.00	332.00	347.00
1	43.5 BR D	PF 1	5464.59		5467.90	183.98		18065.00			100.00	382.00	
1	43.5 BR D	PF 2	5464.59	0.00	5467.90	183.98		18065.00		100.00	100.00	382.00	382.00
1	43	PF 1	5463.96		5467.01	211.68		18065.00			100.00	382.00	
1	43	PF 2	5463.96	0.00	5467.01	211.68		18065.00		100.00	100.00	382.00	382.00
1	42	PF 1	5463.67		5466.57	223.07		18065.00			6.00	240.00	
1	42	PF 2	5463.67	0.00	5466.57	223.07		18065.00		6.00	6.00	240.00	240.00
1	41	PF 1	5457.47		5459.63	373.62	113.67	17946.54	4.78		166.00	500.00	
1	41	PF 2	5458.06	0.59	5459.74	360.00	166.95	17898.05		140.00	166.00	500.00	500.00

HEC-RAS Plan: Dup Eff - FW River: Tijeras Arroyo Reach: 1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
1	40	PF 1	5455.23		5457.40	383.35	1963.52	11925.34	4176.14		250.00	429.00	
1	40	PF 2	5455.46	0.23	5457.91	310.00	1802.88	12958.13	3303.99	190.00	250.00	429.00	500.00
1	35	PF 1	5449.01		5450.75	577.12	1010.59	16876.55	177.86		291.00	616.00	
1	35	PF 2	5449.06	0.05	5450.75	570.00	1054.35	16816.82	193.83	70.00	291.00	616.00	640.00
1	30	PF 1	5443.75		5444.56	535.29	698.70	17207.06	159.24		314.00	685.00	
1	30	PF 2	5443.79	0.04	5444.58	530.00	715.42	17184.75	164.83	170.00	314.00	685.00	700.00
1	22	PF 1	5440.42		5442.42	461.47	5883.21	11908.48	273.31		361.00	459.00	
1	22	PF 2	5440.53	0.10	5442.50	440.00	6107.79	11945.52	11.69	20.00	361.00	459.00	460.00
1	20	PF 1	5438.06		5440.52	339.08	3700.48	13635.58	728.94		523.00	625.00	
1	20	PF 2	5438.09	0.03	5440.51	337.34	3721.01	13594.65	749.34	220.00	523.00	625.00	680.00
1	15	PF 1	5433.39		5434.97	640.21	564.03	9997.00	7503.97		291.00	408.00	
1	15	PF 2	5434.15	0.75	5436.62	308.94		12690.74	5374.26	291.00	291.00	408.00	599.94
1	10	PF 1	5428.36		5429.77	804.11	2276.85	10712.72	5075.43		257.00	379.00	
1	10	PF 2	5428.85	0.49	5431.31	313.00		13553.64	4511.36	257.00	257.00	379.00	570.00
1	8	PF 1	5419.33		5421.29	439.90		10958.90	7106.10		469.00	628.00	
1	8	PF 2	5419.79	0.46	5421.36	493.24		10706.55	7358.45	60.00	469.00	628.00	1093.00
1	6	PF 1	5415.92		5417.91	443.08		15169.51	2895.49		483.00	740.00	
1	6	PF 2	5416.29	0.37	5418.50	360.00		16606.77	1458.23	490.00	483.00	740.00	850.00
1	5	PF 1	5409.60		5411.08	402.89		18065.00			395.00	851.00	
1	5	PF 2	5409.59	0.00	5411.08	402.88		18065.00		395.00	395.00	851.00	851.00
1	4	PF 1	5402.89		5405.77	233.52		18065.00			603.00	857.00	
1	4	PF 2	5402.89	0.00	5405.77	233.54		18065.00		603.00	603.00	857.00	857.00
1	3.5	PF 1	5397.16		5398.86	355.95		18065.00			453.00	832.00	
1	3.5	PF 2	5397.16	0.00	5398.86	355.95		18065.00		453.00	453.00	832.00	832.00
1	3	PF 1	5390.81		5393.47	263.44		18065.00			409.00	710.00	
1	3	PF 2	5390.81	0.00	5393.47	263.45		18065.00		409.00	409.00	710.00	710.00
1	2.9	PF 1	5386.30		5386.39	1326.78		5050.07	13014.93		430.00	710.00	
1	2.9	PF 2	5386.30	0.00	5388.35	240.00		17975.83	89.17	506.00	430.00	710.00	746.00

