

HEC-RAS Plan: Corr 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	10-YR	6285.00	5503.70	5506.87	5506.87	5507.68	0.009997	8.17	1034.92	627.11	0.88
1	70	50-YR	14300.00	5503.70	5508.06	5508.06	5509.33	0.010494	10.71	1835.36	712.74	0.96
1	70	100-YR	18065.00	5503.70	5508.52	5508.52	5509.96	0.010469	11.52	2167.14	745.35	0.98
1	70	500-YR	30500.00	5503.70	5509.73	5509.73	5511.64	0.010329	13.50	3094.32	774.25	1.01
1	60	10-YR	6285.00	5486.70	5488.90	5488.90	5489.53	0.017064	7.00	1048.38	855.42	1.04
1	60	50-YR	14300.00	5486.70	5489.83	5489.83	5490.85	0.014345	8.99	1891.67	951.11	1.03
1	60	100-YR	18065.00	5486.70	5490.18	5490.18	5491.35	0.014036	9.74	2224.19	986.30	1.05
1	60	500-YR	30500.00	5486.70	5491.20	5491.20	5492.75	0.012267	11.29	3276.88	1049.57	1.03
1	54	10-YR	6285.00	5476.70	5479.92		5480.44	0.008446	6.80	1253.23	829.50	0.79
1	54	50-YR	14300.00	5476.70	5481.20		5481.88	0.006677	8.13	2458.54	997.63	0.76
1	54	100-YR	18065.00	5476.70	5481.76		5482.46	0.005758	8.31	3020.04	1016.91	0.72
1	54	500-YR	30500.00	5476.70	5483.44		5484.19	0.004035	8.72	4744.20	1042.03	0.64
1	52	10-YR	6285.00	5474.70	5477.64	5477.64	5478.50	0.014543	7.79	886.19	552.17	1.00
1	52	50-YR	14300.00	5474.70	5478.89	5478.89	5480.27	0.012149	10.02	1603.23	581.72	1.00
1	52	100-YR	18065.00	5474.70	5479.35	5479.35	5480.96	0.011959	10.88	1868.58	586.94	1.01
1	52	500-YR	30500.00	5474.70	5480.68	5480.68	5482.94	0.011152	12.97	2661.08	603.24	1.03
1	51	10-YR	6285.00	5472.30	5475.02	5475.02	5476.01	0.013934	8.26	815.52	428.33	1.00
1	51	50-YR	14300.00	5472.30	5476.48	5476.48	5478.09	0.011585	10.68	1484.60	486.16	1.00
1	51	100-YR	18065.00	5472.30	5477.12	5477.12	5478.88	0.010289	11.23	1810.60	518.97	0.96
1	51	500-YR	30500.00	5472.30	5478.62	5478.62	5481.06	0.009728	13.39	2607.52	542.23	0.99
1	50	10-YR	6285.00	5470.50	5473.45	5473.00	5474.09	0.008554	7.10	1007.04	435.87	0.80
1	50	50-YR	14300.00	5470.50	5474.69	5474.45	5476.11	0.011118	10.66	1570.63	472.61	0.98
1	50	100-YR	18065.00	5470.50	5475.02	5475.02	5476.90	0.013081	12.26	1731.57	482.73	1.08
1	50	500-YR	30500.00	5470.50	5476.64	5476.64	5479.14	0.011283	14.27	2542.63	510.92	1.06
1	46	10-YR	6285.00	5464.70	5467.93	5467.93	5468.95	0.014258	8.63	802.29	387.05	1.02
1	46	50-YR	14300.00	5464.70	5469.73	5469.45	5471.22	0.009716	10.57	1514.37	405.59	0.93
1	46	100-YR	18065.00	5464.70	5471.32		5472.50	0.004936	9.42	2180.19	430.05	0.70
1	46	500-YR	30500.00	5464.70	5475.75		5476.67	0.001940	8.70	4481.78	1030.48	0.48
1	45	10-YR	6285.00	5459.31	5465.78		5466.48	0.001144	6.74	932.84	209.35	0.56
1	45	50-YR	14300.00	5459.31	5469.20		5470.35	0.000921	8.58	1667.63	219.57	0.55
1	45	100-YR	18065.00	5459.31	5470.56		5471.87	0.000873	9.18	1967.23	223.61	0.55

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

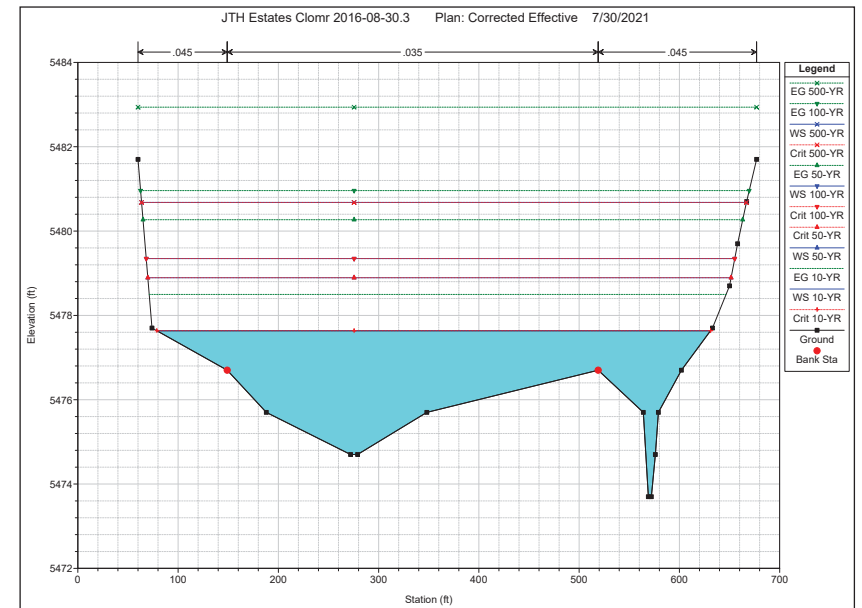
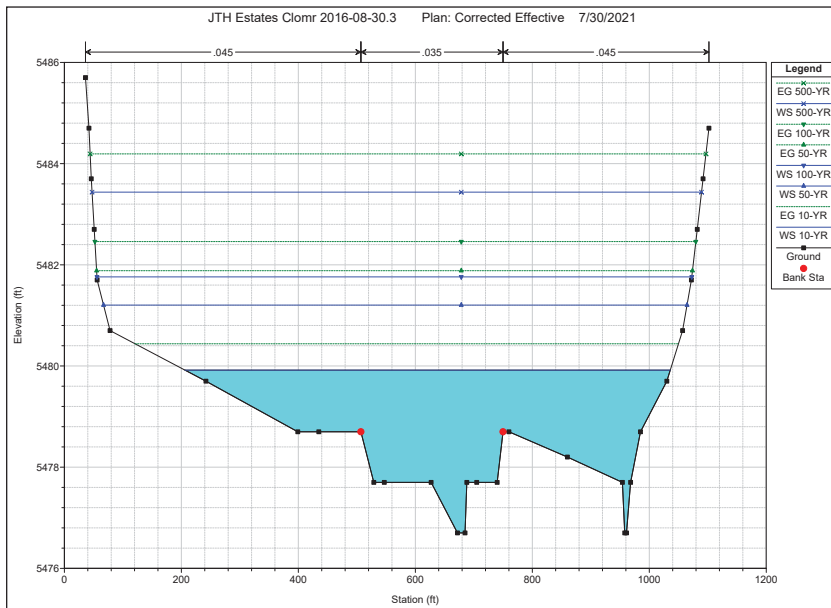
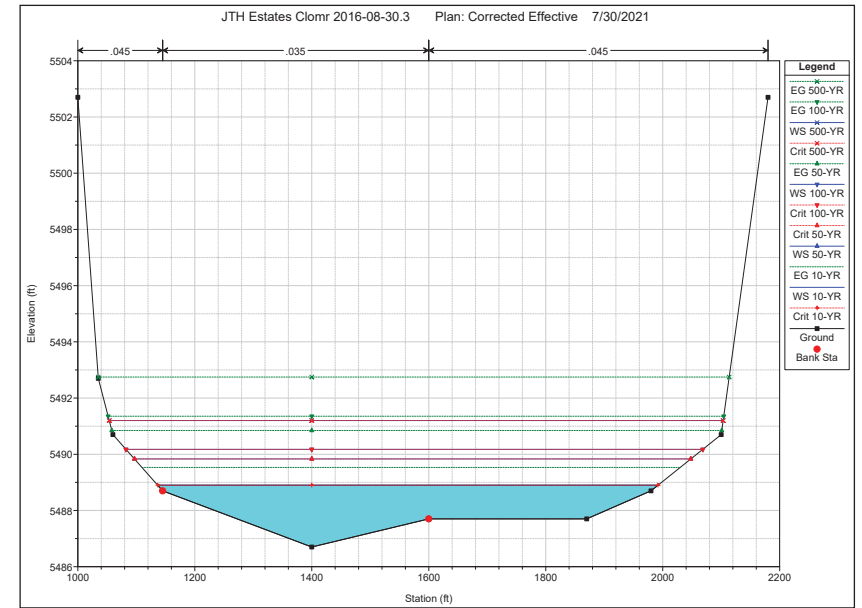
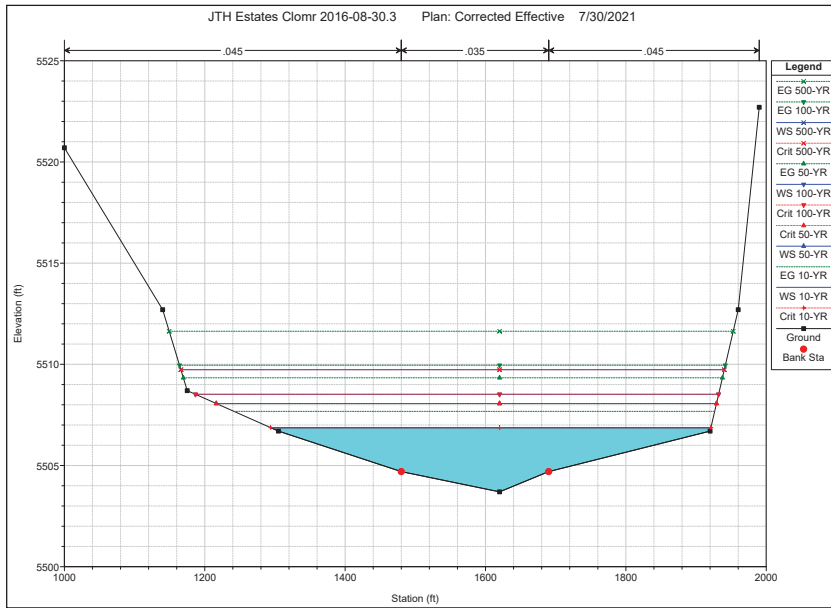
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	45	500-YR	30500.00	5459.31	5474.38		5476.17	0.000787	10.72	2844.41	235.02	0.54
1	44	10-YR	6285.00	5459.03	5465.75	5464.07	5466.42	0.001012	6.59	953.47	201.23	0.53
1	44	50-YR	14300.00	5459.03	5469.13	5466.38	5470.30	0.000905	8.68	1648.41	209.63	0.55
1	44	100-YR	18065.00	5459.03	5470.45	5467.30	5471.81	0.000882	9.38	1926.52	212.90	0.55
1	44	500-YR	30500.00	5459.03	5474.15	5469.95	5476.09	0.000840	11.16	2733.05	222.12	0.56
1	43.5	Bridge										
1	43	10-YR	6285.00	5458.43	5463.44	5463.44	5465.02	0.004150	10.08	623.72	202.03	1.01
1	43	50-YR	14300.00	5458.43	5465.73	5465.73	5468.39	0.003488	13.08	1093.53	208.89	1.01
1	43	100-YR	18065.00	5458.43	5466.66	5466.66	5469.71	0.003280	14.01	1289.64	211.68	1.00
1	43	500-YR	30500.00	5458.43	5469.26	5469.26	5473.48	0.002976	16.49	1849.74	219.47	1.00
1	42	10-YR	6285.00	5457.70	5463.17	5463.17	5464.71	0.004026	9.94	632.46	204.91	1.00
1	42	50-YR	14300.00	5457.70	5465.48	5465.48	5468.00	0.003406	12.74	1122.79	295.89	0.99
1	42	100-YR	18065.00	5457.70	5466.37	5466.37	5469.27	0.003217	13.68	1320.87	321.46	0.99
1	42	500-YR	30500.00	5457.70	5468.84	5468.84	5472.94	0.002927	16.25	1876.83	346.61	1.00
1	41	10-YR	6285.00	5452.70	5457.90	5457.83	5458.96	0.012580	8.27	759.90	330.38	0.96
1	41	50-YR	14300.00	5452.70	5459.54	5459.48	5461.39	0.010778	10.91	1321.74	365.78	0.97
1	41	100-YR	18065.00	5452.70	5460.17	5460.17	5462.33	0.010390	11.83	1554.60	373.62	0.98
1	41	500-YR	30500.00	5452.70	5461.99	5461.99	5464.99	0.009307	14.02	2243.44	380.79	0.98
1	40	10-YR	6285.00	5452.50	5455.80	5455.53	5456.74	0.009502	8.46	857.98	346.37	0.87
1	40	50-YR	14300.00	5452.50	5457.27	5457.27	5459.16	0.011445	12.19	1392.70	374.95	1.02
1	40	100-YR	18065.00	5452.50	5457.93	5457.93	5460.10	0.011092	13.17	1642.55	383.35	1.03
1	40	500-YR	30500.00	5452.50	5459.77	5459.77	5462.75	0.010440	15.71	2370.22	408.72	1.05
1	35	10-YR	6285.00	5445.97	5449.21	5449.21	5450.35	0.013655	8.54	738.47	338.32	1.00
1	35	50-YR	14300.00	5445.97	5451.01	5451.01	5452.65	0.009346	10.45	1493.63	524.86	0.91
1	35	100-YR	18065.00	5445.97	5451.70	5451.70	5453.45	0.008305	10.93	1873.28	577.04	0.88
1	35	500-YR	30500.00	5445.97	5453.23	5453.23	5455.53	0.007970	12.90	2771.76	596.85	0.91
1	30	10-YR	6285.00	5438.86	5443.54		5443.92	0.002677	4.97	1271.58	379.71	0.47
1	30	50-YR	14300.00	5438.86	5445.67		5446.36	0.002590	6.75	2256.71	518.34	0.51
1	30	100-YR	18065.00	5438.86	5446.45		5447.26	0.002571	7.35	2667.02	535.29	0.52
1	30	500-YR	30500.00	5438.86	5448.63		5449.75	0.002489	8.81	3902.46	597.23	0.53

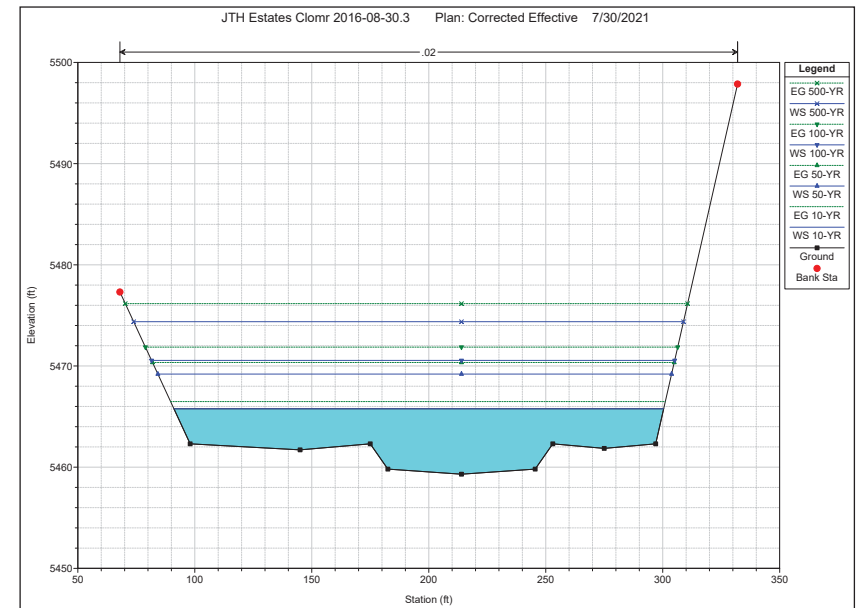
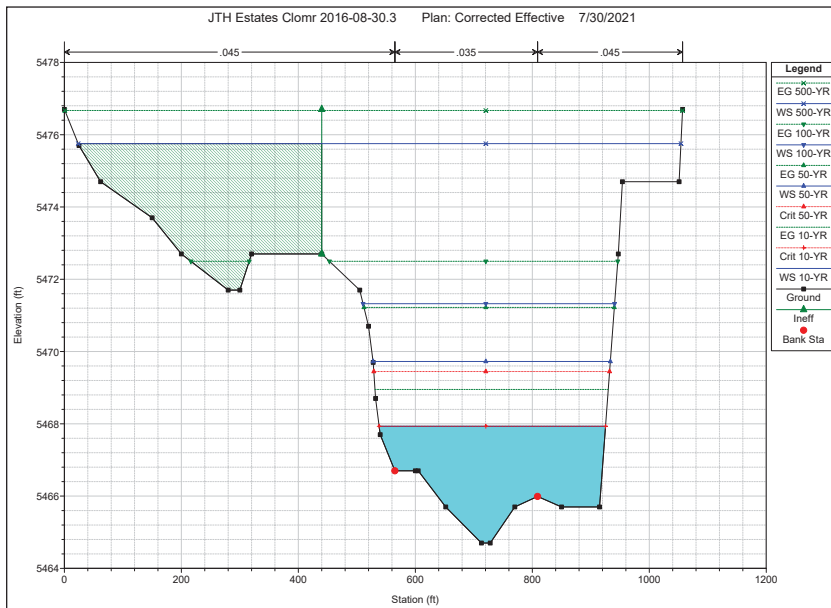
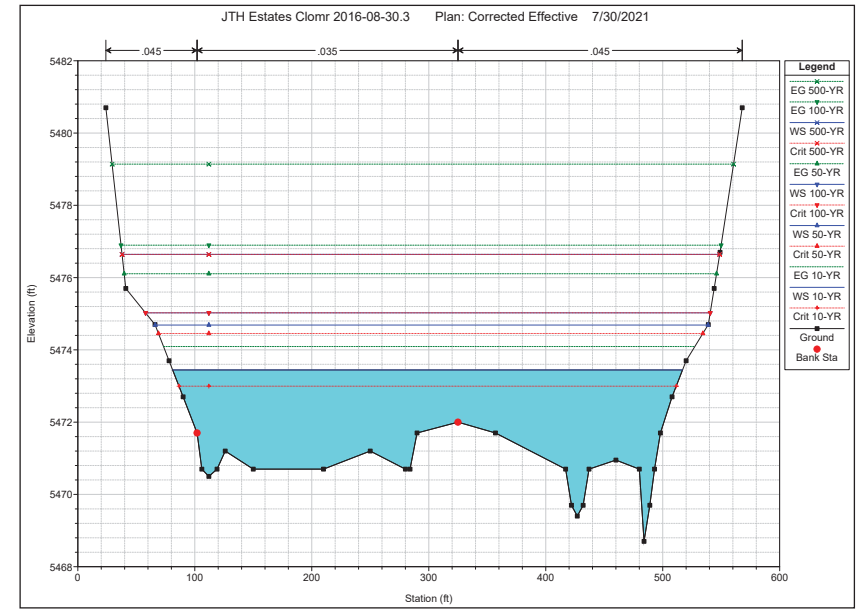
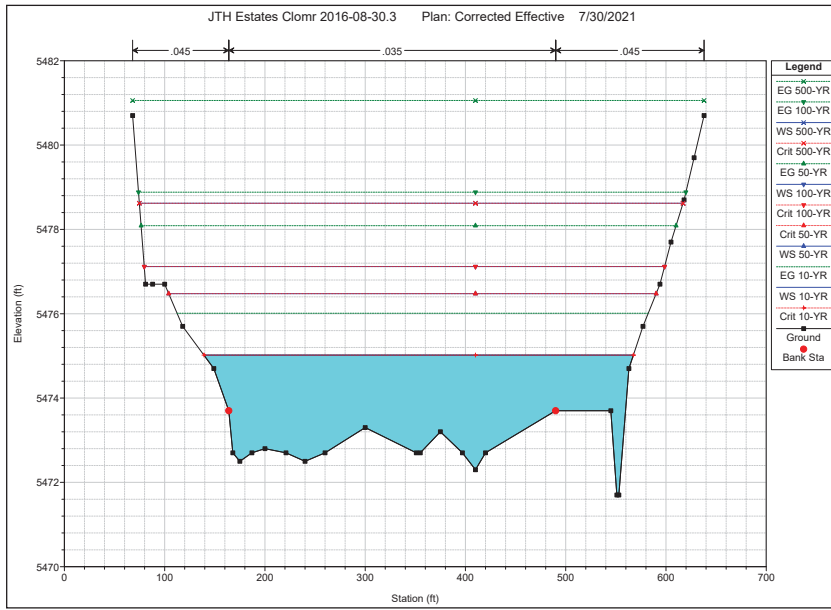
HEC-RAS Plan: Corr Eff River: Tijeras Arroyo Reach: 1 (Continued)

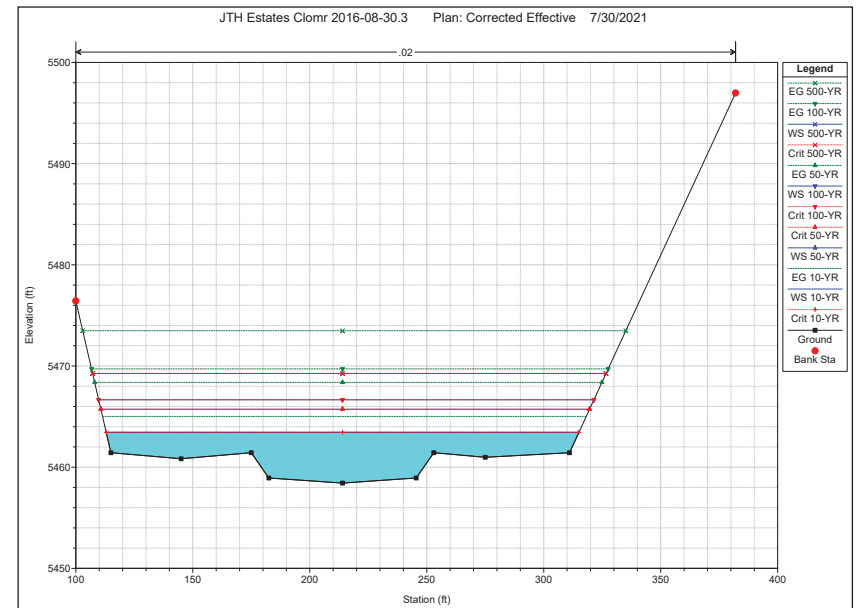
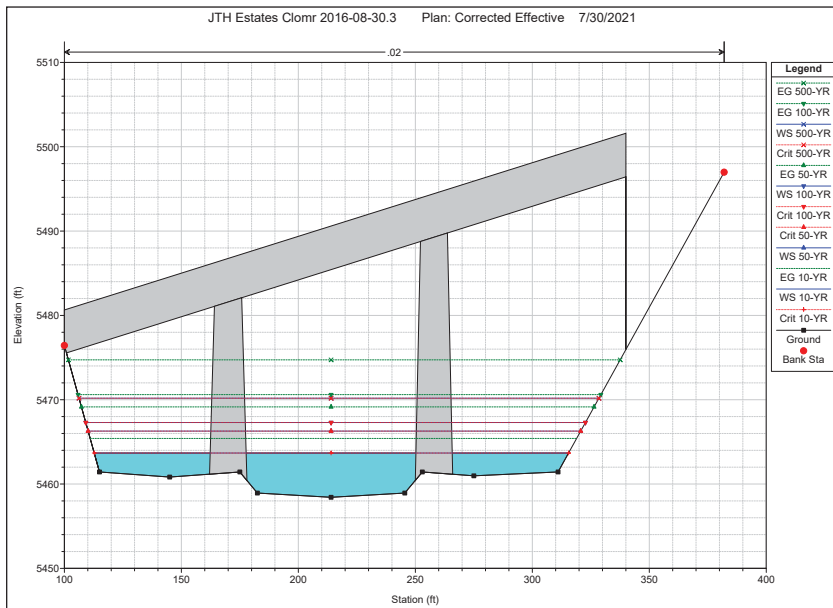
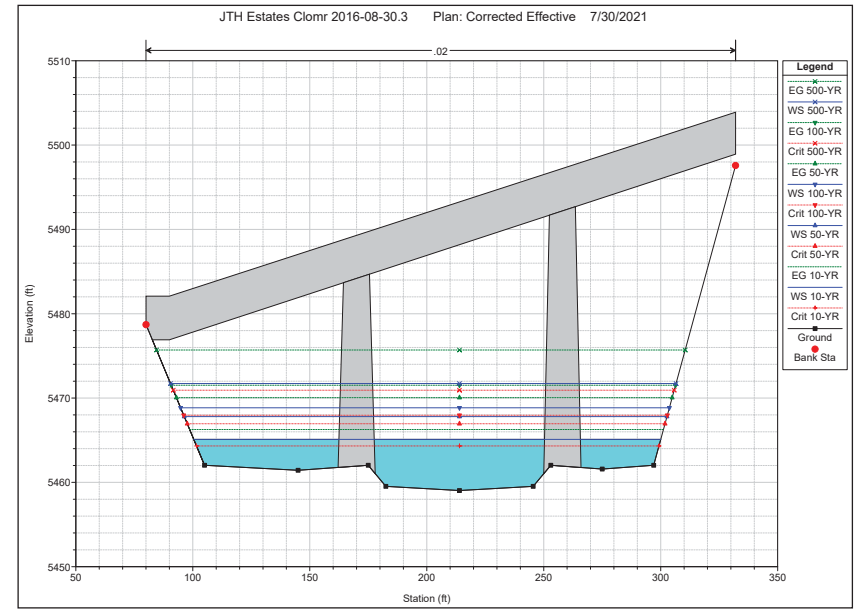
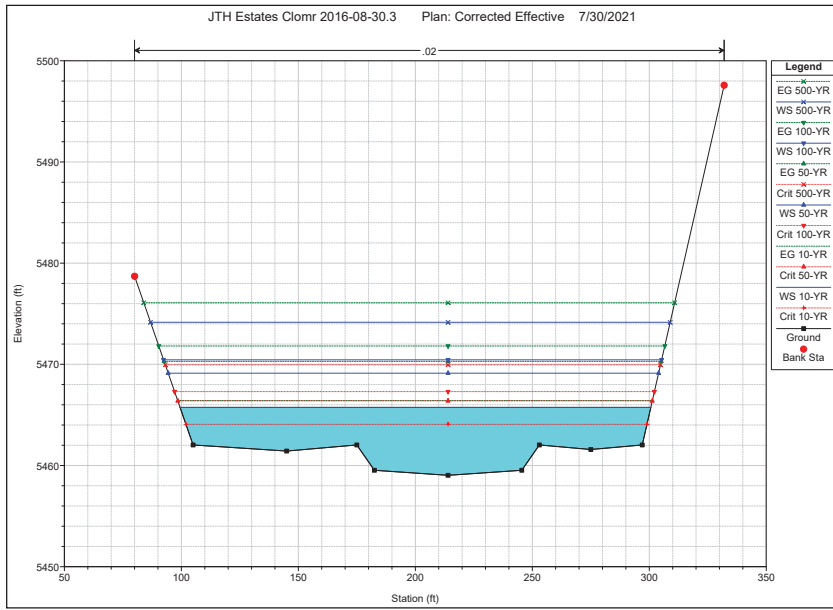
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	22	10-YR	6285.00	5431.77	5439.46	5439.46	5441.37	0.007757	11.34	641.98	227.05	0.86
1	22	50-YR	14300.00	5431.77	5442.40	5442.40	5444.24	0.005313	12.55	1717.90	449.89	0.77
1	22	100-YR	18065.00	5431.77	5443.12	5443.12	5445.12	0.005454	13.45	2048.62	461.47	0.79
1	22	500-YR	30500.00	5431.77	5444.86	5444.86	5447.52	0.006258	16.19	2861.54	475.69	0.87
1	20	10-YR	6285.00	5429.70	5436.35	5436.35	5438.63	0.009735	12.14	529.94	292.80	0.95
1	20	50-YR	14300.00	5429.70	5439.92	5439.92	5442.11	0.005521	13.05	1477.80	534.02	0.78
1	20	100-YR	18065.00	5429.70	5440.76	5440.76	5443.22	0.005725	14.13	1755.36	557.19	0.81
1	20	500-YR	30500.00	5429.70	5441.71	5441.71	5443.13	0.003918	12.46	3721.30	587.60	0.68
1	15	10-YR	6285.00	5425.70	5434.01	5434.01	5435.04	0.005451	9.01	1013.93	489.44	0.71
1	15	50-YR	14300.00	5425.70	5435.55	5435.55	5436.98	0.006678	11.67	1880.04	628.58	0.82
1	15	100-YR	18065.00	5425.70	5436.09	5436.09	5437.67	0.006856	12.51	2226.67	640.21	0.84
1	15	500-YR	30500.00	5425.70	5437.41	5437.41	5439.58	0.007914	15.11	3086.92	661.88	0.93
1	10	10-YR	6285.00	5421.70	5428.60	5428.60	5429.93	0.006184	9.60	826.12	424.37	0.76
1	10	50-YR	14300.00	5421.70	5430.60	5430.60	5431.86	0.005053	10.86	2198.32	793.58	0.72
1	10	100-YR	18065.00	5421.70	5431.06	5431.06	5432.47	0.005489	11.81	2565.22	804.11	0.76
1	10	500-YR	30500.00	5421.70	5432.28	5432.28	5434.12	0.006474	14.20	3563.07	827.70	0.85
1	8	10-YR	6285.00	5415.70	5419.68		5420.63	0.008306	8.80	889.25	337.19	0.83
1	8	50-YR	14300.00	5415.70	5421.35	5421.18	5423.06	0.009752	12.06	1498.19	390.20	0.95
1	8	100-YR	18065.00	5415.70	5422.01	5421.80	5423.99	0.009992	13.10	1765.86	437.80	0.98
1	8	500-YR	30500.00	5415.70	5423.49	5423.49	5426.19	0.011187	15.93	2758.56	939.53	1.07
1	6	10-YR	6285.00	5411.25	5415.97	5415.97	5417.33	0.011102	9.53	708.76	285.99	0.95
1	6	50-YR	14300.00	5411.25	5418.08	5418.08	5419.77	0.009320	11.04	1497.76	436.49	0.92
1	6	100-YR	18065.00	5411.25	5418.64	5418.64	5420.61	0.009500	12.02	1745.62	443.26	0.95
1	6	500-YR	30500.00	5411.25	5420.85	5420.85	5422.60	0.005977	12.09	3600.64	1004.60	0.80
1	5	10-YR	6285.00	5406.41	5409.84		5410.62	0.009187	7.08	887.28	383.09	0.82
1	5	50-YR	14300.00	5406.41	5411.55		5412.87	0.007719	9.20	1554.61	395.87	0.82
1	5	100-YR	18065.00	5406.41	5412.30		5413.78	0.007069	9.76	1850.52	402.89	0.80
1	5	500-YR	30500.00	5406.41	5414.70	5413.35	5416.45	0.005482	10.63	2913.13	615.16	0.74
1	4	10-YR	6285.00	5398.00	5402.54	5402.54	5404.03	0.012638	9.78	642.56	217.61	1.00
1	4	50-YR	14300.00	5398.00	5404.71	5404.71	5407.22	0.010772	12.73	1123.28	226.20	1.01

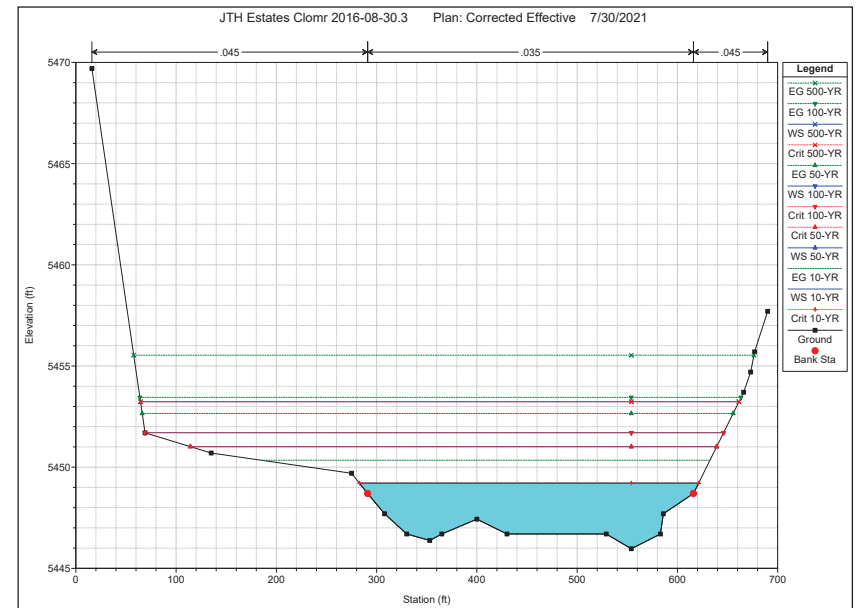
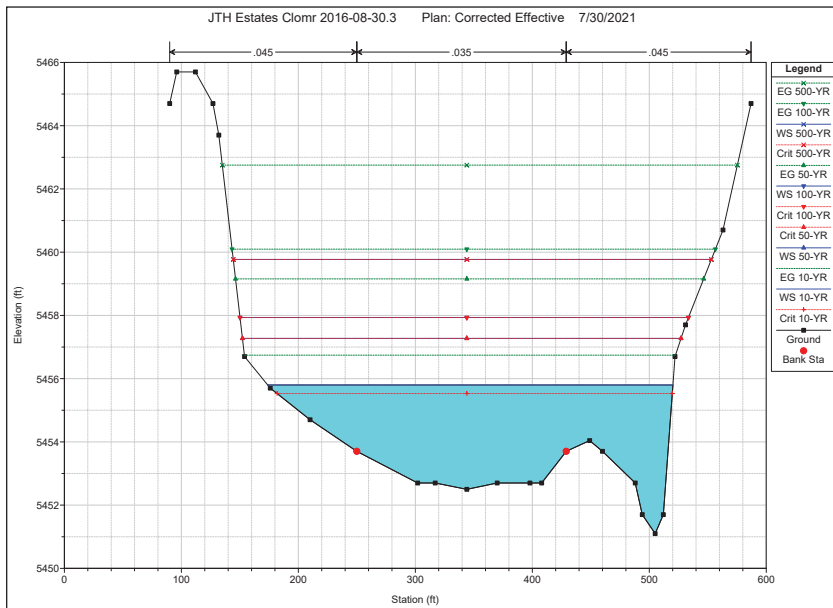
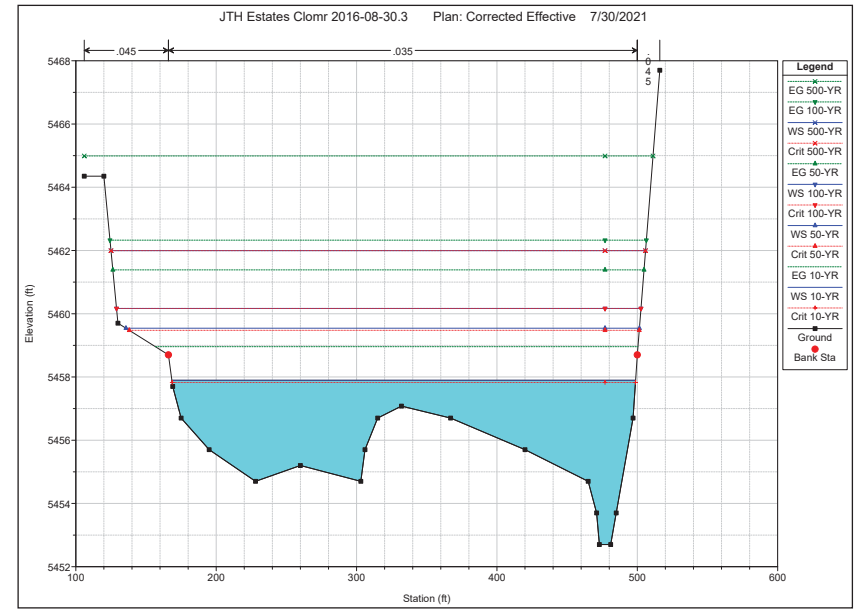
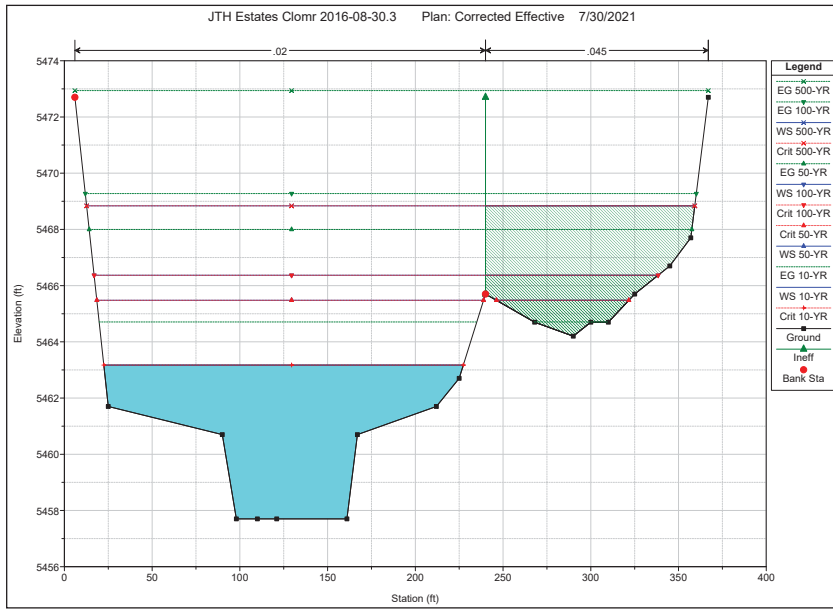
HEC-RAS Plan: Corr Eff River: Tijeras Arroyo Reach: 1 (Continued)

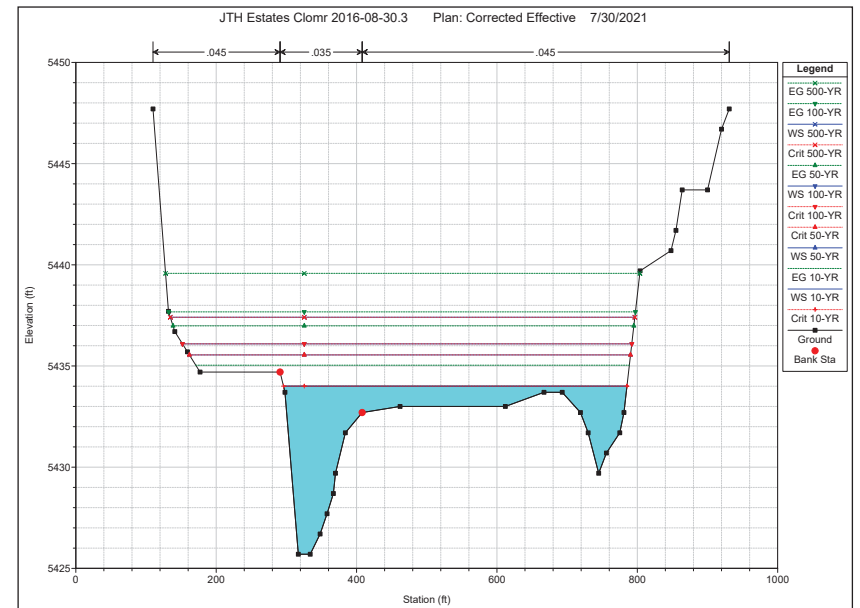
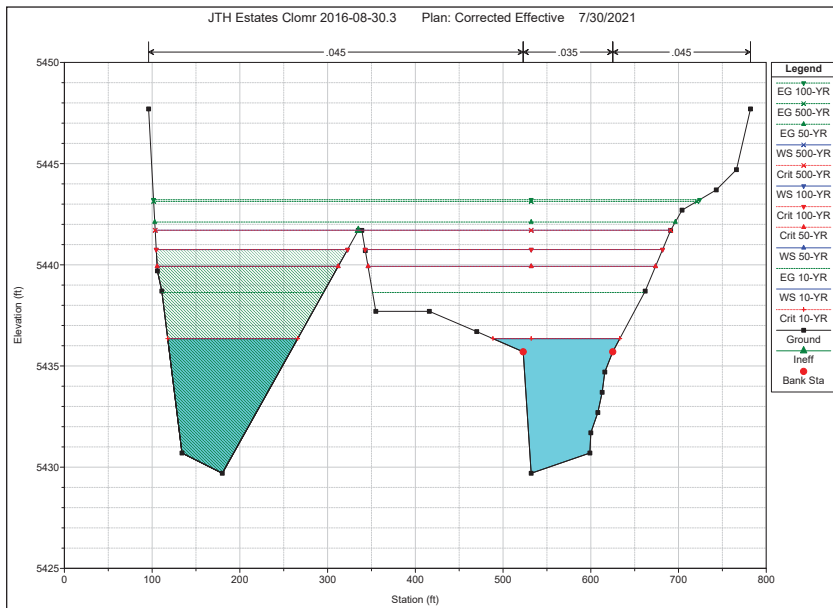
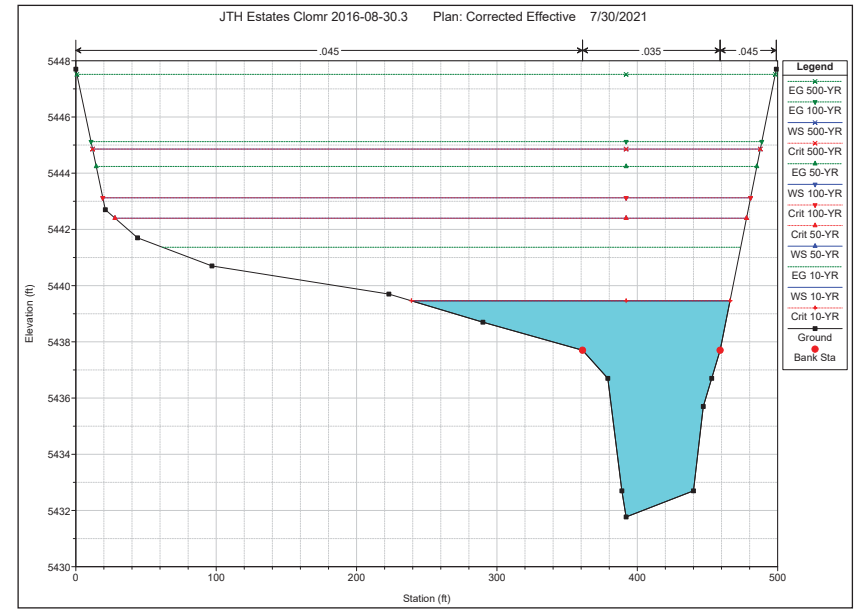
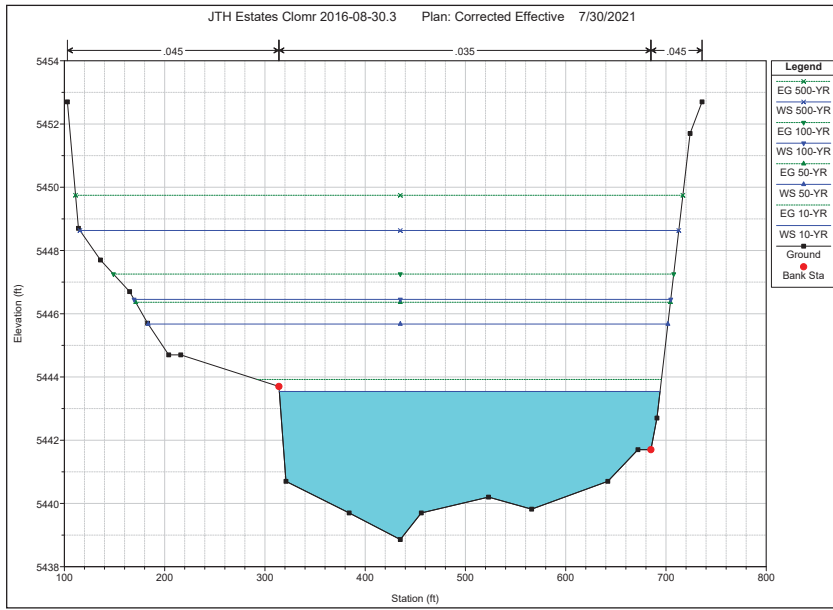
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
1	4	100-YR	18065.00	5398.00	5405.59	5405.59	5408.47	0.010320	13.62	1326.55	233.53	1.01
1	4	500-YR	30500.00	5398.00	5408.12	5408.12	5411.96	0.009306	15.73	1941.47	268.48	1.00
1	3.5	10-YR	6285.00	5392.06	5397.03	5396.48	5398.00	0.008469	7.90	795.36	273.93	0.82
1	3.5	50-YR	14300.00	5392.06	5399.13		5400.60	0.007770	9.71	1472.42	348.33	0.83
1	3.5	100-YR	18065.00	5392.06	5399.86		5401.56	0.007460	10.44	1730.07	355.97	0.83
1	3.5	500-YR	30500.00	5392.06	5401.15	5401.15	5404.15	0.010024	13.89	2196.42	367.57	1.00
1	3	10-YR	6285.00	5385.92	5390.23	5390.23	5391.84	0.012493	10.17	617.83	194.75	1.01
1	3	50-YR	14300.00	5385.92	5392.70	5392.70	5395.01	0.010975	12.21	1171.01	253.93	1.00
1	3	100-YR	18065.00	5385.92	5393.51	5393.51	5396.17	0.010649	13.09	1380.31	263.41	1.01
1	3	500-YR	30500.00	5385.92	5396.65	5396.65	5399.11	0.006308	12.85	2754.40	819.91	0.82
1	2.9	10-YR	6285.00	5378.85	5385.70	5383.87	5386.40	0.003296	6.69	939.65	978.15	0.55
1	2.9	50-YR	14300.00	5378.85	5388.00	5386.58	5389.48	0.005241	9.77	1463.77	1305.05	0.72
1	2.9	100-YR	18065.00	5378.85	5389.00	5387.48	5390.70	0.005150	10.46	1727.69	1326.78	0.73
1	2.9	500-YR	30500.00	5378.85	5391.80	5390.08	5393.96	0.004258	11.92	2803.93	1674.57	0.70

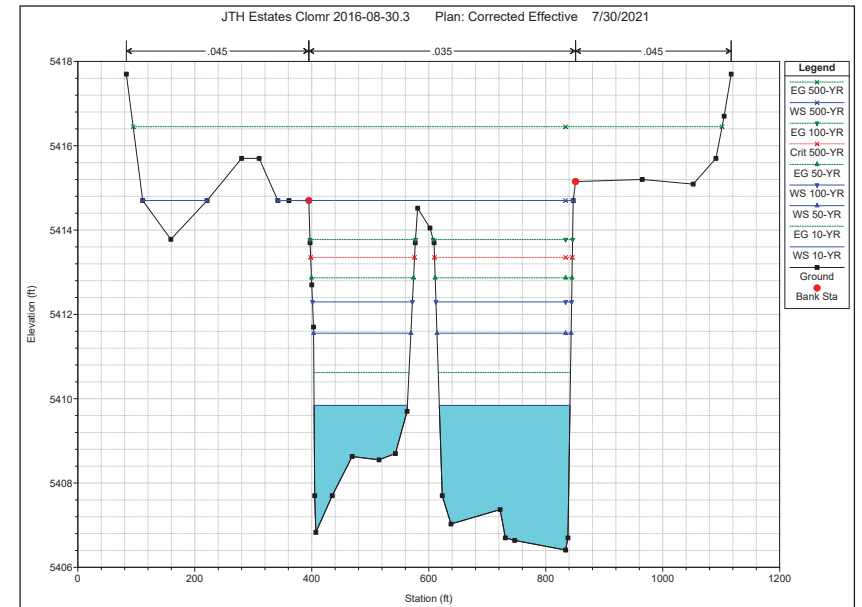
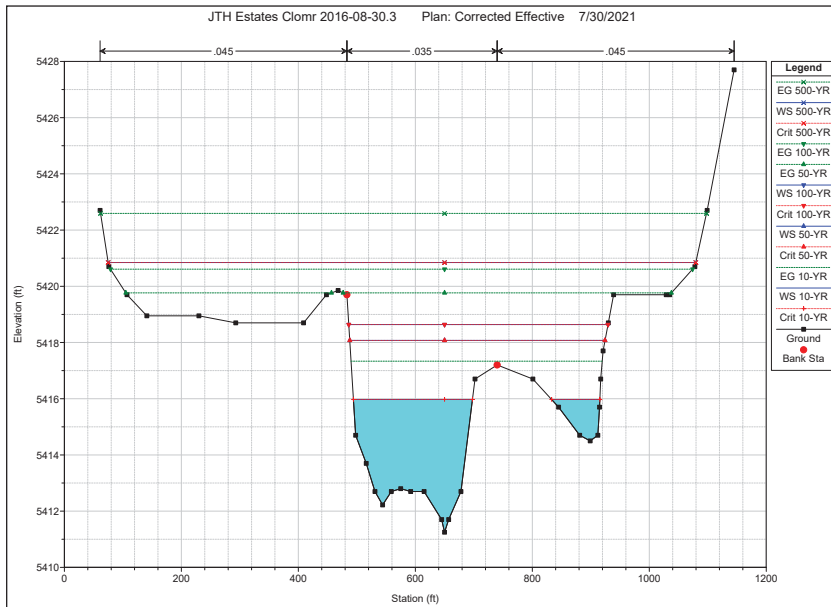
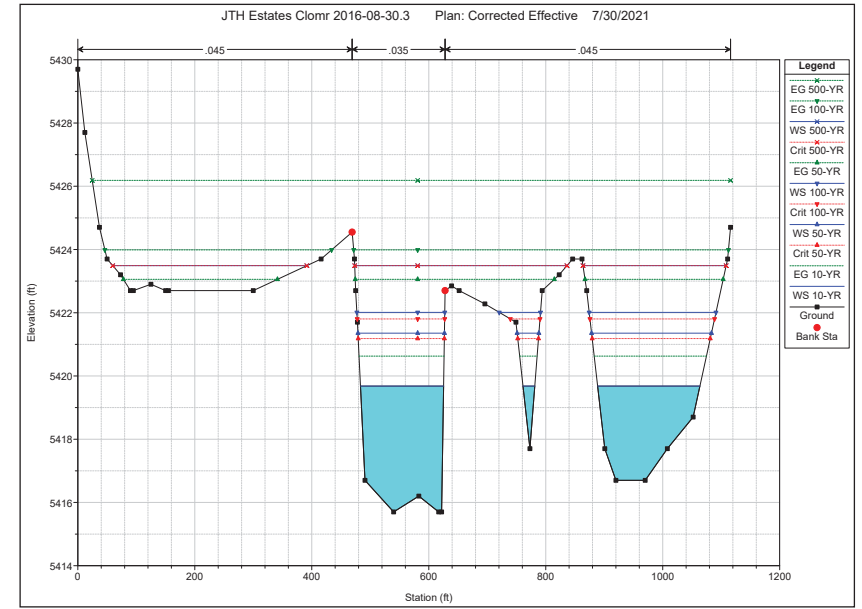
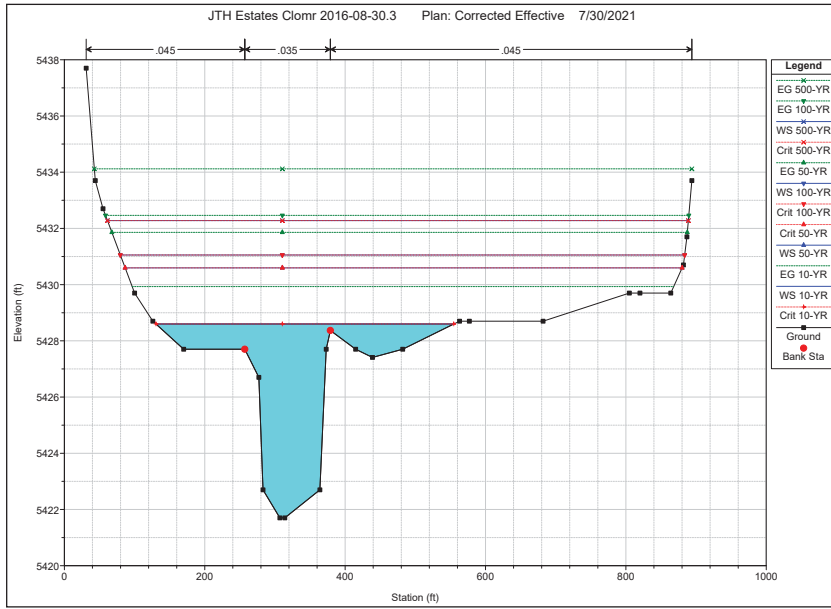


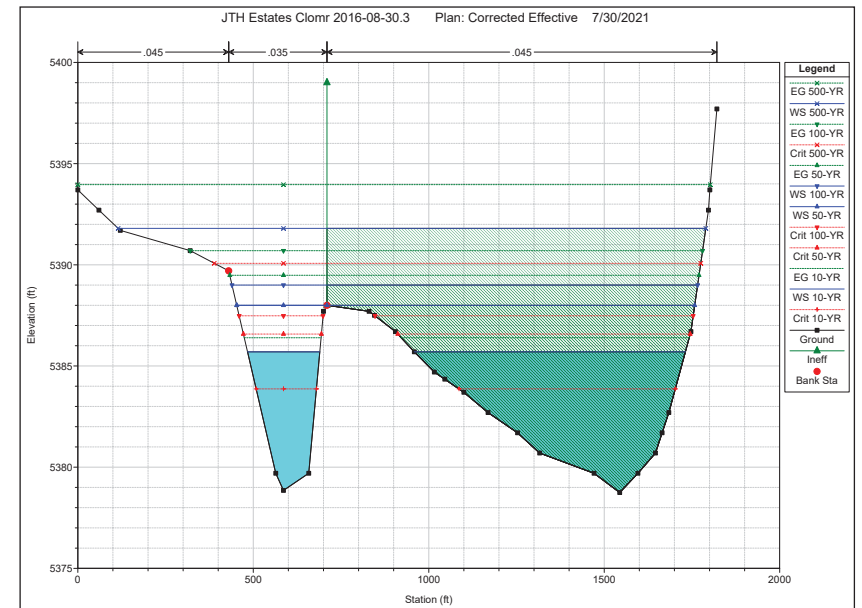
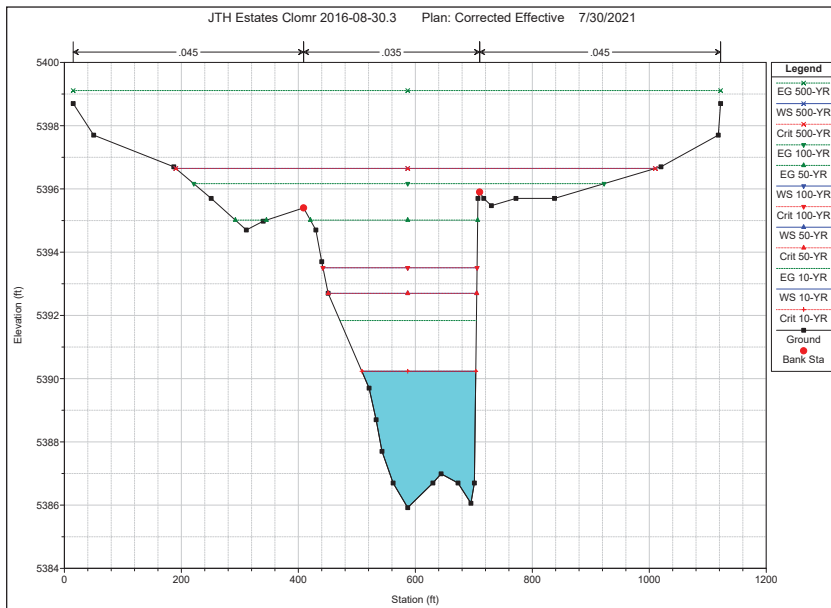
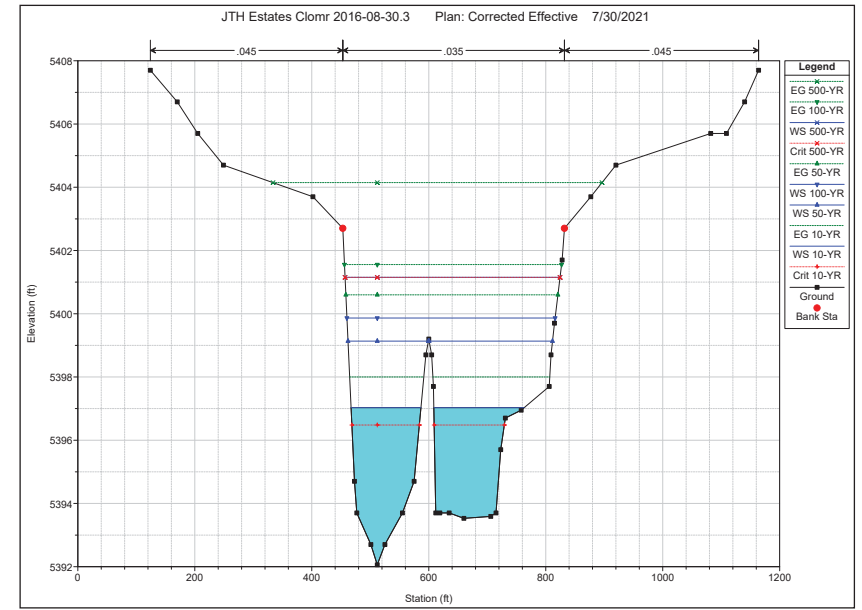
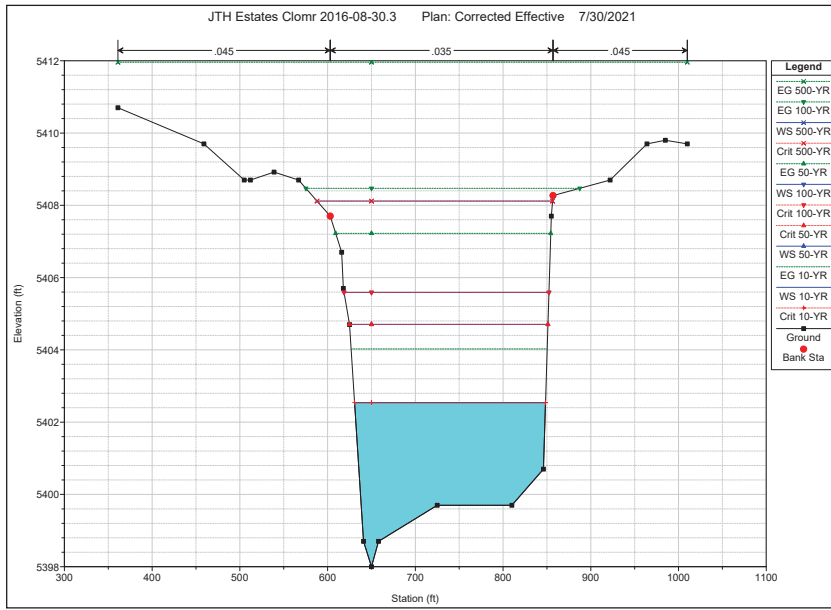












HEC-RAS Plan: Corr Eff - FW River: Tijeras Arroyo Reach: 1

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	100-YR	5508.52		5509.96	745.35	3274.50	10447.96	4342.54		1480.00	1690.00	
1	70	100-YR FW	5509.42	0.90	5511.96	291.40	1149.72	14791.24	2124.04	1451.06	1480.00	1690.00	1742.46
1	60	100-YR	5490.18		5491.35	986.30	147.90	11950.50	5966.61		1145.00	1600.00	
1	60	100-YR FW	5491.12	0.94	5492.97	455.00		18065.00		1145.00	1145.00	1600.00	1600.00
1	54	100-YR	5481.76		5482.46	1016.91	4264.39	8374.21	5426.40		507.00	750.00	
1	54	100-YR FW	5482.03	0.27	5484.03	417.41	1703.95	13245.69	3115.36	440.59	507.00	750.00	858.00
1	52	100-YR	5479.35		5480.96	586.94	964.90	14450.72	2649.38		149.00	519.00	
1	52	100-YR FW	5479.81	0.47	5481.73	440.00	1306.84	16758.16		70.00	149.00	519.00	510.00
1	51	100-YR	5477.12		5478.88	518.97	565.88	15442.60	2056.51		164.00	490.00	
1	51	100-YR FW	5477.36	0.24	5479.34	430.00	718.38	16829.48	517.13	80.00	164.00	490.00	510.00
1	50	100-YR	5475.02		5476.90	482.73	333.60	10969.53	6761.87		102.00	325.00	
1	50	100-YR FW	5475.43	0.40	5477.47	399.00	467.70	12260.27	5337.03	58.00	102.00	325.00	457.00
1	46	100-YR	5471.32		5472.50	430.05	670.58	12897.72	4496.70		565.00	809.00	
1	46	100-YR FW	5471.28	-0.04	5472.50	390.00	652.61	12919.15	4493.24	535.00	565.00	809.00	925.00
1	45	100-YR	5470.56		5471.87	223.61		18065.00			68.00	332.00	
1	45	100-YR FW	5470.56	0.00	5471.87	223.62		18065.00		68.00	68.00	332.00	332.00
1	44	100-YR	5470.45		5471.81	212.90		18065.00			80.00	332.00	
1	44	100-YR FW	5470.45	0.00	5471.81	212.91		18065.00		65.00	80.00	332.00	347.00
1	43.5 BR U	100-YR	5468.84		5471.52	179.90		18065.00			80.00	332.00	
1	43.5 BR U	100-YR FW	5468.85	0.01	5471.52	179.91		18065.00		65.00	80.00	332.00	347.00
1	43.5 BR D	100-YR	5467.29		5470.60	183.98		18065.00			100.00	382.00	
1	43.5 BR D	100-YR FW	5467.24	-0.05	5470.60	182.39		18065.00		110.00	100.00	382.00	322.00
1	43	100-YR	5466.66		5469.71	211.68		18065.00			100.00	382.00	
1	43	100-YR FW	5466.66	0.00	5469.71	211.45		18065.00		110.00	100.00	382.00	322.00
1	42	100-YR	5466.37		5469.27	223.07		18065.00			6.00	240.00	
1	42	100-YR FW	5466.37	0.00	5469.27	223.07		18065.00		6.00	6.00	240.00	240.00
1	41	100-YR	5460.17		5462.33	373.62	113.67	17946.54	4.78		166.00	500.00	
1	41	100-YR FW	5460.76	0.59	5462.44	360.00	167.00	17898.00		140.00	166.00	500.00	500.00
1	40	100-YR	5457.93		5460.10	383.35	1963.52	11925.34	4176.14		250.00	429.00	

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

Reach	River Sta	Profile	W.S. Elev	Prof Delta WS	E.G. Elev	Top Width Act	Q Left	Q Channel	Q Right	Enc Sta L	Ch Sta L	Ch Sta R	Enc Sta R
			(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)
1	40	100-YR FW	5458.16	0.23	5460.61	310.00	1802.88	12958.13	3303.99	190.00	250.00	429.00	500.00
1	35	100-YR	5451.70		5453.45	577.04	1004.93	16882.75	177.32		291.00	616.00	
1	35	100-YR FW	5451.67	-0.03	5453.45	569.00	980.12	16899.03	185.85	69.00	291.00	616.00	640.00
1	30	100-YR	5446.45		5447.26	535.29	698.68	17207.08	159.24		314.00	685.00	
1	30	100-YR FW	5446.49	0.04	5447.28	530.00	715.20	17184.99	164.81	170.00	314.00	685.00	700.00
1	22	100-YR	5443.12		5445.12	461.47	5883.21	11908.48	273.31		361.00	459.00	
1	22	100-YR FW	5443.23	0.10	5445.20	440.00	6107.79	11945.52	11.69	20.00	361.00	459.00	460.00
1	20	100-YR	5440.76		5443.22	339.08	3700.48	13635.58	728.94		523.00	625.00	
1	20	100-YR FW	5440.79	0.03	5443.21	337.34	3721.01	13594.65	749.34	220.00	523.00	625.00	680.00
1	15	100-YR	5436.09		5437.67	640.21	564.03	9997.00	7503.97		291.00	408.00	
1	15	100-YR FW	5436.91	0.82	5439.32	309.00		12638.79	5426.21	291.00	291.00	408.00	600.00
1	10	100-YR	5431.06		5432.47	804.11	2276.85	10712.72	5075.43		257.00	379.00	
1	10	100-YR FW	5431.59	0.53	5434.01	313.00		13521.21	4543.79	257.00	257.00	379.00	570.00
1	8	100-YR	5422.01		5423.99	437.80		10966.40	7098.60		469.00	628.00	
1	8	100-YR FW	5422.49	0.47	5424.06	492.51		10710.35	7354.65	475.00	469.00	628.00	1093.00
1	6	100-YR	5418.64		5420.61	443.26		15159.03	2905.97		483.00	740.00	
1	6	100-YR FW	5419.00	0.36	5421.20	360.00		16602.79	1462.21	490.00	483.00	740.00	850.00
1	5	100-YR	5412.29		5413.77	402.85		18065.00			395.00	851.00	
1	5	100-YR FW	5412.32	0.03	5413.88	387.96		18065.00		415.00	395.00	851.00	843.00
1	4	100-YR	5405.60		5408.47	233.57		18065.00			603.00	857.00	
1	4	100-YR FW	5405.61	0.01	5408.47	233.68		18065.00		617.00	603.00	857.00	857.00
1	3.5	100-YR	5399.86		5401.56	355.95		18065.00			453.00	832.00	
1	3.5	100-YR FW	5400.20	0.34	5402.70	288.00		18065.00		526.00	453.00	832.00	814.00
1	3	100-YR	5393.51		5396.17	263.43		18065.00			409.00	710.00	
1	3	100-YR FW	5393.51	0.00	5396.17	263.45		18065.00		409.00	409.00	710.00	710.00
1	2.9	100-YR	5389.00		5390.70	270.62		18065.00			430.00	710.00	
1	2.9	100-YR FW	5389.00	0.00	5391.08	204.00		18065.00		506.00	430.00	710.00	746.00

