

HEC-RAS Plan: Exist River: Rainbow Trib Reach: North

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)	
North	7061	010-YR	216.00	5514.30	5516.09	5516.09	5516.69	0.017794	6.23	34.68	29.62	1.01
North	7061	050-YR	567.00	5514.30	5517.29	5517.29	5517.81	0.007863	6.23	129.81	149.10	0.75
North	7061	100-YR	760.00	5514.30	5517.56	5517.56	5518.12	0.007972	6.78	170.84	162.72	0.77
North	7061	500-YR	1313.00	5514.30	5518.09	5518.09	5518.82	0.009024	8.23	262.65	191.91	0.84
North	6862	010-YR	216.00	5509.72	5511.92	5511.92	5512.62	0.014534	6.75	33.41	28.69	0.96
North	6862	050-YR	567.00	5509.72	5513.27	5513.27	5513.99	0.007986	7.59	111.17	86.63	0.79
North	6862	100-YR	760.00	5509.72	5513.74	5513.74	5514.45	0.007009	7.86	158.15	111.58	0.76
North	6862	500-YR	1313.00	5509.72	5514.38	5514.38	5515.32	0.008334	9.63	234.57	127.46	0.85
North	6777	010-YR	216.00	5508.03	5509.70	5509.70	5510.28	0.017702	6.11	35.36	31.14	1.01
North	6777	050-YR	567.00	5508.03	5510.80	5510.80	5511.66	0.012868	7.48	80.52	72.12	0.94
North	6777	100-YR	760.00	5508.03	5511.26	5511.26	5512.11	0.010115	7.64	121.66	101.25	0.87
North	6777	500-YR	1313.00	5508.03	5512.24	5512.24	5512.97	0.006598	7.73	269.38	247.06	0.74
North	6663	010-YR	216.00	5505.83	5508.09	5508.09	5508.81	0.016635	6.79	31.87	24.06	1.00
North	6663	050-YR	567.00	5505.83	5509.42	5509.42	5510.11	0.008721	7.24	108.40	86.09	0.80
North	6663	100-YR	760.00	5505.83	5509.76	5509.76	5510.56	0.009115	8.04	139.69	103.32	0.84
North	6663	500-YR	1313.00	5505.83	5510.63	5510.63	5511.42	0.007498	8.71	260.30	165.75	0.79
North	6492	010-YR	216.00	5503.41	5505.45	5505.45	5505.85	0.011739	5.39	50.18	219.93	0.84
North	6492	050-YR	567.00	5503.41	5505.96	5505.96	5505.99	0.000901	1.76	410.19	237.02	0.24
North	6492	100-YR	760.00	5503.41	5505.96	5505.96	5506.01	0.001619	2.36	410.19	237.02	0.32
North	6492	500-YR	1313.00	5503.41	5505.96	5505.96	5506.13	0.004832	4.08	410.19	237.02	0.56
North	6301	010-YR	216.00	5499.93	5501.40	5501.40	5501.46	0.004584	2.74	114.79	227.46	0.50
North	6301	050-YR	567.00	5499.93	5501.42	5501.42	5501.84	0.029184	7.01	117.95	229.93	1.26
North	6301	100-YR	760.00	5499.93	5501.61	5501.61	5502.09	0.026814	7.60	150.27	259.23	1.25
North	6301	500-YR	1313.00	5499.93	5501.80	5501.62	5502.76	0.047905	11.21	186.44	289.76	1.71
North	6131	010-YR	216.00	5496.75	5498.11	5498.11	5498.26	0.012223	4.15	75.00	241.01	0.80
North	6131	050-YR	567.00	5496.75	5498.21	5498.13	5498.38	0.013933	4.80	185.93	254.12	0.87
North	6131	100-YR	760.00	5496.75	5498.48	5498.18	5498.64	0.009262	4.62	256.08	265.83	0.74
North	6131	500-YR	1313.00	5496.75	5498.80	5498.48	5499.06	0.011395	5.99	343.88	285.28	0.85
North	5879	010-YR	216.00	5490.41	5492.30	5492.30	5492.44	0.007136	3.85	85.41	113.47	0.64
North	5879	050-YR	567.00	5490.41	5492.41	5492.41	5493.12	0.033141	8.68	99.32	141.11	1.39
North	5879	100-YR	760.00	5490.41	5492.41	5492.41	5493.69	0.059542	11.64	99.32	141.11	1.87

HEC-RAS Plan: Exist River: Rainbow Trib Reach: North (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)	
North	5879	500-YR	1313.00	5490.41	5492.91	5492.91	5494.08	0.039490	11.97	193.48	257.99	1.61
North	5605	010-YR	216.00	5483.86	5485.68	5485.68	5486.36	0.014036	6.68	34.06	103.38	0.95
North	5605	050-YR	567.00	5483.86	5486.54	5486.54	5486.87	0.006464	6.10	192.67	274.31	0.69
North	5605	100-YR	760.00	5483.86	5486.69	5486.69	5487.08	0.007588	6.87	229.21	301.53	0.76
North	5605	500-YR	1313.00	5483.86	5487.06	5487.06	5487.50	0.008700	8.05	359.24	370.04	0.83
North	5392	010-YR	216.00	5478.30	5480.79	5480.79	5481.36	0.018909	6.06	35.64	32.60	1.02
North	5392	050-YR	567.00	5478.30	5481.79	5481.79	5482.78	0.015388	7.98	71.65	38.81	1.01
North	5392	100-YR	760.00	5478.30	5482.33	5482.33	5483.38	0.012362	8.25	97.19	62.44	0.94
North	5392	500-YR	1313.00	5478.30	5483.36	5483.36	5484.37	0.008438	8.61	215.54	181.87	0.82
North	5228	010-YR	216.00	5474.01	5475.61	5475.61	5475.97	0.009379	5.36	58.85	169.57	0.77
North	5228	050-YR	567.00	5474.01	5476.03	5476.03	5476.38	0.009923	6.50	163.48	181.93	0.83
North	5228	100-YR	760.00	5474.01	5476.17	5476.17	5476.61	0.011621	7.40	190.69	185.11	0.91
North	5228	500-YR	1313.00	5474.01	5476.56	5476.56	5477.17	0.013903	9.06	263.58	195.88	1.02
North	4950	010-YR	216.00	5466.36	5467.95	5467.95	5468.57	0.016081	6.52	36.81	149.63	0.99
North	4950	050-YR	567.00	5466.36	5468.39	5468.39	5468.57	0.005977	4.80	199.80	182.57	0.64
North	4950	100-YR	760.00	5466.36	5468.39	5468.39	5468.71	0.010738	6.44	199.80	182.57	0.85
North	4950	500-YR	1313.00	5466.36	5468.59	5468.59	5469.26	0.019515	9.32	238.11	203.00	1.17
North	4696	010-YR	221.00	5460.50	5462.02	5462.02	5462.36	0.012238	5.68	61.13	162.35	0.87
North	4696	050-YR	573.00	5460.50	5462.39	5462.39	5462.68	0.011092	6.37	172.18	197.46	0.86
North	4696	100-YR	773.00	5460.50	5462.50	5462.50	5462.89	0.014218	7.53	194.70	201.95	0.98
North	4696	500-YR	1356.00	5460.50	5462.95	5462.95	5463.45	0.014539	8.81	291.72	243.59	1.03
North	4469	010-YR	221.00	5455.64	5457.08	5457.08	5457.13	0.003385	2.67	135.11	193.52	0.44
North	4469	050-YR	573.00	5455.64	5457.08	5457.08	5457.43	0.022540	6.91	135.53	193.68	1.14
North	4469	100-YR	773.00	5455.64	5457.23	5457.23	5457.67	0.024000	7.74	161.72	218.32	1.21
North	4469	500-YR	1356.00	5455.64	5457.70	5457.67	5458.17	0.018107	8.30	283.07	260.23	1.10
North	4241	010-YR	221.00	5451.22	5452.90	5452.90	5453.28	0.011329	5.94	56.73	186.48	0.85
North	4241	050-YR	573.00	5451.22	5453.15	5453.15	5453.33	0.007265	5.27	199.92	210.35	0.70
North	4241	100-YR	773.00	5451.22	5453.15	5453.15	5453.48	0.013221	7.11	199.92	210.35	0.94
North	4241	500-YR	1356.00	5451.22	5453.48	5453.48	5454.03	0.018020	9.33	270.33	276.03	1.13
North	4112	010-YR	221.00	5448.41	5449.50	5449.43	5449.73	0.014713	3.86	58.97	193.77	0.84

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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)	
North	4112	050-YR	573.00	5448.41	5449.96	5449.96	5450.42	0.014899	5.53	114.04	277.35	0.93
North	4112	100-YR	773.00	5448.41	5450.19	5450.19	5450.72	0.013920	6.04	143.49	286.43	0.92
North	4112	500-YR	1356.00	5448.41	5450.72	5450.72	5451.44	0.012544	7.19	220.65	335.78	0.93
North	3947	010-YR	221.00	5445.64	5446.78	5446.78	5447.02	0.018635	5.24	68.51	139.87	0.99
North	3947	050-YR	573.00	5445.64	5447.32	5447.19	5447.60	0.013901	6.24	158.73	191.15	0.93
North	3947	100-YR	773.00	5445.64	5447.56	5447.40	5447.85	0.012148	6.48	207.54	220.22	0.89
North	3947	500-YR	1356.00	5445.64	5448.09	5447.90	5448.43	0.010608	7.31	336.08	258.89	0.88
North	3802	010-YR	221.00	5444.50	5445.76	5445.43	5445.84	0.003654	2.66	116.28	164.00	0.46
North	3802	050-YR	573.00	5444.50	5446.30	5445.88	5446.46	0.004659	3.96	218.68	239.33	0.55
North	3802	100-YR	773.00	5444.50	5446.51	5446.07	5446.71	0.005126	4.51	274.45	276.53	0.59
North	3802	500-YR	1356.00	5444.50	5446.92	5446.62	5447.22	0.006339	5.76	399.75	333.65	0.68
North	3660	010-YR	221.00	5443.86	5444.91	5444.82	5445.03	0.009980	3.23	95.66	233.83	0.70
North	3660	050-YR	573.00	5443.86	5445.31	5445.16	5445.52	0.009918	4.42	182.89	287.72	0.75
North	3660	100-YR	773.00	5443.86	5445.52	5445.32	5445.75	0.009124	4.76	231.09	371.97	0.74
North	3660	500-YR	1356.00	5443.86	5445.88	5445.70	5446.16	0.008743	5.52	386.68	403.18	0.76
North	3477	010-YR	221.00	5441.54	5442.68	5442.64	5442.90	0.013452	4.06	69.61	167.24	0.83
North	3477	050-YR	573.00	5441.54	5443.10	5443.10	5443.43	0.012971	5.37	152.33	208.64	0.87
North	3477	100-YR	773.00	5441.54	5443.24	5443.24	5443.66	0.014327	6.09	182.01	227.68	0.94
North	3477	500-YR	1356.00	5441.54	5443.69	5443.69	5444.20	0.012974	7.06	302.78	306.27	0.94
North	3300	010-YR	221.00	5437.59	5439.63	5439.63	5440.26	0.016317	6.38	34.63	58.90	0.99
North	3300	050-YR	573.00	5437.59	5440.62	5440.61	5441.02	0.007848	6.06	158.36	220.85	0.74
North	3300	100-YR	773.00	5437.59	5440.99	5440.83	5441.32	0.005860	5.84	225.59	318.97	0.66
North	3300	500-YR	1356.00	5437.59	5441.31	5441.31	5441.91	0.009608	8.11	288.54	359.12	0.86
North	3085	010-YR	221.00	5436.00	5437.81	5437.81	5437.93	0.006061	3.43	90.32	165.09	0.58
North	3085	050-YR	573.00	5436.00	5438.06	5438.06	5438.51	0.019010	6.74	119.29	219.93	1.06
North	3085	100-YR	773.00	5436.00	5438.11	5438.11	5438.85	0.030295	8.67	125.41	237.20	1.35
North	3085	500-YR	1356.00	5436.00	5438.68	5438.68	5439.08	0.015382	7.30	322.69	339.89	1.00
North	2757	010-YR	221.00	5431.46	5432.68	5432.41	5432.79	0.004556	2.80	99.59	163.09	0.50
North	2757	050-YR	573.00	5431.46	5433.28	5432.91	5433.44	0.004093	3.67	226.92	245.37	0.52
North	2757	100-YR	773.00	5431.46	5433.46	5433.11	5433.66	0.004693	4.22	271.96	263.30	0.56
North	2757	500-YR	1356.00	5431.46	5433.97	5433.56	5434.23	0.004690	5.00	414.72	306.75	0.59

HEC-RAS Plan: Exist River: Rainbow Trib Reach: North (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)	
North	2627	010-YR	221.00	5430.21	5431.47	5431.47	5431.75	0.016457	5.31	66.49	123.74	0.95
North	2627	050-YR	573.00	5430.21	5431.92	5431.92	5432.41	0.019318	7.44	130.86	176.52	1.10
North	2627	100-YR	773.00	5430.21	5432.25	5432.25	5432.66	0.013805	7.21	191.18	221.86	0.96
North	2627	500-YR	1356.00	5430.21	5432.68	5432.68	5433.21	0.014340	8.51	282.93	256.84	1.02
North	2237	010-YR	226.00	5424.61	5426.34	5425.94	5426.45	0.003298	2.97	109.83	202.08	0.45
North	2237	050-YR	580.00	5424.61	5426.92	5426.61	5427.09	0.003669	3.98	242.19	250.49	0.51
North	2237	100-YR	785.00	5424.61	5427.15	5426.84	5427.33	0.003804	4.36	299.11	262.64	0.52
North	2237	500-YR	1400.00	5424.61	5427.66	5427.22	5427.91	0.004335	5.36	446.74	314.61	0.58
North	2046	010-YR	226.00	5423.81	5424.84	5424.84	5425.11	0.023337	4.11	55.01	108.99	1.02
North	2046	050-YR	580.00	5423.81	5425.30	5425.30	5425.70	0.019049	5.03	116.23	163.86	0.99
North	2046	100-YR	785.00	5423.81	5425.48	5425.48	5425.95	0.017454	5.49	147.86	189.81	0.98
North	2046	500-YR	1400.00	5423.81	5425.96	5425.96	5426.53	0.013290	6.25	254.50	253.41	0.92
North	1944	010-YR	226.00	5420.13	5421.63	5421.63	5422.08	0.014132	5.48	45.23	59.87	0.91
North	1944	050-YR	580.00	5420.13	5422.50	5422.50	5423.06	0.009724	6.65	121.53	148.80	0.83
North	1944	100-YR	785.00	5420.13	5422.84	5422.84	5423.43	0.008815	7.03	164.48	172.63	0.81
North	1944	500-YR	1400.00	5420.13	5423.47	5423.47	5424.27	0.009691	8.63	259.07	244.26	0.88
North	1749	010-YR	226.00	5416.12	5417.67	5417.67	5418.07	0.012017	5.30	52.05	88.33	0.84
North	1749	050-YR	580.00	5416.12	5418.45	5418.45	5419.00	0.010877	6.69	122.75	145.32	0.86
North	1749	100-YR	785.00	5416.12	5418.57	5418.57	5419.38	0.015197	8.25	137.85	176.83	1.03
North	1749	500-YR	1400.00	5416.12	5419.26	5419.26	5420.07	0.012026	8.93	257.31	258.21	0.96
North	1502	010-YR	226.00	5411.72	5413.40	5413.29	5413.73	0.012538	4.62	48.96	50.95	0.83
North	1502	050-YR	580.00	5411.72	5414.11	5414.11	5414.76	0.014240	6.49	91.64	108.03	0.95
North	1502	100-YR	785.00	5411.72	5414.40	5414.40	5415.19	0.013867	7.19	115.42	114.71	0.96
North	1502	500-YR	1400.00	5411.72	5415.25	5415.25	5416.22	0.010588	8.19	194.48	154.18	0.90
North	1369	010-YR	226.00	5410.14	5411.25	5411.25	5411.56	0.021575	4.45	50.77	84.08	1.01
North	1369	050-YR	580.00	5410.14	5411.79	5411.79	5412.28	0.018036	5.64	104.36	115.97	1.00
North	1369	100-YR	785.00	5410.14	5412.05	5412.05	5412.59	0.015194	5.93	138.76	147.10	0.95
North	1369	500-YR	1400.00	5410.14	5412.63	5412.63	5413.28	0.011445	6.69	249.48	227.54	0.88
North	1210	010-YR	226.00	5404.03	5405.04	5405.04	5405.52	0.002561	5.58	40.51	42.25	1.00
North	1210	050-YR	580.00	5404.03	5405.89	5405.89	5406.75	0.002124	7.43	78.07	45.67	1.00

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			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
North	1210	100-YR	785.00	5404.03	5406.30	5406.30	5407.32	0.002018	8.09	97.05	48.00	1.00
North	1210	500-YR	1400.00	5404.03	5407.34	5407.34	5408.64	0.001872	9.17	152.68	59.19	1.01
North	1068	010-YR	226.00	5391.09	5393.59	5393.59	5394.85	0.003130	9.01	25.09	10.05	1.01
North	1068	050-YR	580.00	5391.09	5395.78	5395.78	5398.13	0.003548	12.31	47.11	10.09	1.00
North	1068	100-YR	785.00	5391.09	5396.83	5396.83	5399.70	0.003781	13.59	57.77	10.11	1.00
North	1068	500-YR	1400.00	5391.09	5399.52	5399.52	5403.74	0.004471	16.47	84.99	10.17	1.00
North	1000	010-YR	226.00	5386.00	5388.51	5388.51	5389.77	0.003115	8.99	25.13	10.04	1.00
North	1000	050-YR	580.00	5386.00	5390.70	5390.70	5393.05	0.003553	12.31	47.11	10.07	1.00
North	1000	100-YR	785.00	5386.00	5391.74	5391.74	5394.62	0.003810	13.62	57.63	10.08	1.00
North	1000	500-YR	1400.00	5386.00	5394.43	5394.43	5398.67	0.004500	16.50	84.83	10.12	1.00