

APPENDIX G
HEC-RAS Output Tables

Aucilla HEC-RAS Output Table

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
		(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
57.449	P1	832.65	74.1	82.94	77.26	82.94	0.000095	0.57	1462.36	1240.79
57.449	P5	386.1	74.1	82.16	76.52	82.16	0.000034	0.31	1258.83	943.81
57.449	P10	233.7	74.1	81.31	76.09	81.31	0.00002	0.22	1043.78	423.55
57.449	P20	113.93	74.1	79.14	75.58	79.14	0.000042	0.21	537.87	412.76
57.449	P30	53.55	74.1	77.41	75.2	77.41	0.000278	0.32	167.98	271.02
57.449	P40	20.25	74.1	75.69	74.85	75.7	0.002261	0.76	26.8	33.7
57.449	P50	1.13	74.1	74.33	74.33	74.39	0.197727	1.96	0.57	4.93
57.449	P60	0.1	74.1	74.19	74.19	74.21	0.270359	1.2	0.08	1.88
57.449	P70	0.1	74.1	74.19	74.19	74.21	0.270359	1.2	0.08	1.88
57.449	P80	0.1	74.1	74.19	74.19	74.21	0.270359	1.2	0.08	1.88
57.449	P90	0.1	74.1	74.19	74.19	74.21	0.270359	1.2	0.08	1.88
57.449	P95	0.1	74.1	74.19	74.19	74.21	0.270359	1.2	0.08	1.88
49.328	P1	1105.4	67.5	77.05		77.06	0.000582	0.77	1464.66	694.38
49.328	P5	512.6	67.5	75.85		75.86	0.001242	0.75	681.4	560.68
49.328	P10	310.3	67.5	74.99		75	0.000517	0.76	406.09	165.55
49.328	P20	151.3	67.5	73.84		73.84	0.000242	0.57	263.55	92.94
49.328	P30	71.1	67.5	72.49		72.49	0.00016	0.44	161.41	61.83
49.328	P40	26.9	67.5	71.11		71.11	0.000107	0.3	89.07	44.32
49.328	P50	1.5	67.5	69.55		69.55	0.000008	0.05	29.99	31.6
49.328	P60	0.1	67.5	69.11		69.11	0	0.01	18.08	21.28
49.328	P70	0.1	67.5	69.11		69.11	0	0.01	18.08	21.28
49.328	P80	0.1	67.5	69.11		69.11	0	0.01	18.08	21.28
49.328	P90	0.1	67.5	69.11		69.11	0	0.01	18.08	21.28
49.328	P95	0.1	67.5	69.11		69.11	0	0.01	18.08	21.28
40.514	P1	2477.3	58.5	65.07		65.07	0.000223	0.59	5573.04	2834.36
40.514	P5	1174.9	58.5	64.17		64.18	0.000226	0.46	3179.36	2447.87
40.514	P10	730.4	58.5	63.66		63.67	0.000293	0.43	1955.51	2302.68
40.514	P20	381	58.5	63.12		63.12	0.000422	0.38	1014.36	1168.65
40.514	P30	204.9	58.5	62.72		62.73	0.000554	0.34	597.99	949.61
40.514	P40	107.7	58.5	62.33		62.33	0.000928	0.38	280.98	554.56
40.514	P50	52	58.5	61.21		61.21	0.000617	0.59	88.67	67.91
40.514	P60	28.8	58.5	60.66		60.66	0.000671	0.52	55.14	53.44
40.514	P70	14.7	58.5	60.19		60.2	0.000676	0.44	33.15	41.29
40.514	P80	8.5	58.5	59.9		59.91	0.000644	0.38	22.33	33.75

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
40.514	P90	2.9	58.5	59.47		59.47	0.000596	0.28	10.18	22.42
40.514	P95	1.2	58.5	59.22		59.22	0.000532	0.22	5.41	15.9
33.336	P1	3539.3	41.7	54.95		54.96	0.000249	1.18	6273.47	1596.18
33.336	P5	1697.1	41.7	53.09		53.1	0.000309	1.19	3351.94	1536.65
33.336	P10	1063.9	41.7	52.14		52.15	0.000375	1.24	1930.95	1443.59
33.336	P20	564.4	41.7	51.13		51.14	0.000252	1.09	550.3	1298.5
33.336	P30	312.1	41.7	49.27		49.28	0.000186	0.81	385.89	69.03
33.336	P40	172.7	41.7	47.58		47.58	0.000162	0.63	272.87	64.28
33.336	P50	92.9	41.7	46.2		46.21	0.000147	0.5	187.37	59.92
33.336	P60	52.4	41.7	45.19		45.19	0.000128	0.4	130.61	52.19
33.336	P70	27.1	41.7	44.29		44.3	0.000109	0.31	86.9	45.36
33.336	P80	16	41.7	43.75		43.75	0.000103	0.25	63.03	43.32
33.336	P90	5.9	41.7	43.07		43.07	0.000099	0.17	34.18	41.16
33.336	P95	2.9	41.7	42.77		42.77	0.000095	0.13	22.01	38.63
27.091	P1	3609.2	32.4	45.38		45.42	0.000943	1.8	3383.43	2085.3
27.091	P5	1856	32.4	43.77		43.81	0.00106	1.63	1168.73	429.41
27.091	P10	1192.9	32.4	42.46		42.49	0.000656	1.42	837.96	174.5
27.091	P20	648.6	32.4	39.89		39.91	0.000462	1.26	516.45	98.42
27.091	P30	366.5	32.4	38.24		38.25	0.000345	0.99	369.56	80.4
27.091	P40	208.5	32.4	36.94		36.95	0.000265	0.77	272.16	71.67
27.091	P50	117.4	32.4	35.9		35.91	0.000222	0.59	199.06	68.5
27.091	P60	71.1	32.4	35.13		35.13	0.000211	0.48	147.3	66.2
27.091	P70	42	32.4	34.5		34.5	0.000211	0.4	105.81	64.3
27.091	P80	29.3	32.4	34.14		34.14	0.000223	0.35	83.25	63.25
27.091	P90	17.6	32.4	33.75		33.75	0.000252	0.3	58.54	62.07
27.091	P95	14.1	32.4	33.61		33.61	0.000273	0.28	49.89	61.65
20.591	P1	3681.8	13	33.75		33.78	0.000382	1.79	4707.21	2024.21
20.591	P5	2021.4	13	32.27		32.3	0.000282	1.41	2384.75	1047.54
20.591	P10	1327.3	13	29.53		29.56	0.000409	1.53	882.11	200.15
20.591	P20	736.1	13	25.67		25.71	0.000473	1.48	497.97	73.86
20.591	P30	423	13	23.02		23.05	0.000505	1.32	321.1	59.61
20.591	P40	245.8	13	21.17		21.19	0.000471	1.12	219.92	49.65
20.591	P50	142.9	13	19.62		19.64	0.00045	0.96	149.54	41.37
20.591	P60	90.5	13	18.59		18.61	0.000418	0.82	109.72	35.96
20.591	P70	57.6	13	17.78		17.78	0.000375	0.7	82.04	31.65
20.591	P80	43	13	17.31		17.31	0.000354	0.63	67.77	29.18

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
20.591	P90	29.8	13	16.79		16.8	0.000329	0.56	53.4	26.47
20.591	P95	25.9	13	16.62		16.62	0.000318	0.53	48.9	25.56
15.031	P1	3744	3.7	23.51		23.53	0.000138	1.42	6376.88	2313.16
15.031	P5	2162.8	3.7	22.14		22.16	0.000102	1.13	3812.35	1479.32
15.031	P10	1442.2	3.7	20.88		20.89	0.000096	1.03	2109.09	1204.51
15.031	P20	811.1	3.7	18.95		18.96	0.000057	0.75	1108.39	159.52
15.031	P30	471.4	3.7	17.67		17.67	0.000027	0.5	943.71	98.94
15.031	P40	277.7	3.7	16.74		16.74	0.000012	0.32	854.93	92.36
15.031	P50	164.8	3.7	16.08		16.08	0.000005	0.21	795.49	87.68
15.031	P60	107.1	3.7	15.68		15.68	0.000002	0.14	761.24	84.86
15.031	P70	70.8	3.7	15.41		15.41	0.000001	0.1	738.17	82.91
15.031	P80	54.8	3.7	15.28		15.28	0.000001	0.08	727.8	82.02
15.031	P90	40.3	3.7	15.11		15.11	0	0.06	713.7	80.79
15.031	P95	35.9	3.7	15.01		15.01	0	0.05	705.71	80.11
12.633	P1	3753.6	10	18.55		18.56	0.000248	1.23	8310.67	4273.45
12.633	P5	2184.8	10	17.57		17.58	0.000295	1.2	4677.24	3135.73
12.633	P10	1460	10	17.07		17.08	0.000268	1.07	3274.19	2564.71
12.633	P20	822.7	10	16.95		16.95	0.000103	0.65	2955.55	2416.29
12.633	P30	478.9	10	16.33		16.34	0.000089	0.56	1696.03	1707.75
12.633	P40	282.6	10	15.97		15.97	0.000054	0.41	1150.56	1284.87
12.633	P50	168.2	10	15.66		15.66	0.00003	0.29	804.13	920.43
12.633	P60	109.7	10	15.44		15.44	0.000017	0.21	631.88	669
12.633	P70	72.9	10	15.27		15.27	0.000009	0.15	536.53	475.76
12.633	P80	56.7	10	15.19		15.19	0.000006	0.12	501.44	380.72
12.633	P90	41.9	10	15.05		15.05	0.000004	0.09	458.91	215.13
12.633	P95	37.5	10	14.95		14.95	0.000004	0.08	442.45	158.67
4.76	P1	3753.6	-10	6.14		6.15	0.000134	0.58	9806.13	6193.4
4.76	P5	2184.8	-10	5.08		5.09	0.000257	0.62	4418.96	3704.57
4.76	P10	1460	-10	0.99		1.01	0.000224	1.21	1204.51	167.19
4.76	P20	822.7	-10	-1.95		-1.93	0.00027	1.1	750.67	141.77
4.76	P30	478.9	-10	-4.1		-4.09	0.000395	1.04	460.27	128.34
4.76	P40	282.6	-10	-5.72		-5.71	0.000685	1.07	263.34	107.66
4.76	P50	168.2	-10	-6.88		-6.86	0.001414	1.15	145.83	92.94
4.76	P60	109.7	-10	-7.64		-7.62	0.002694	1.32	83.41	70.79
4.76	P70	72.9	-10	-8.17		-8.13	0.004527	1.44	50.53	55.1
4.76	P80	56.7	-10	-8.41		-8.38	0.005961	1.5	37.75	47.62

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
4.76	P90	41.9	-10	-8.65		-8.62	0.007779	1.54	27.23	40.45
4.76	P95	37.5	-10	-8.73		-8.69	0.008376	1.54	24.37	38.26
3.53	P1	3753.6	-14.2	5.31	-7.47	5.34	0.0002	1.46	5459.2	5629.36
3.53	P5	2184.8	-14.2	2.83	-8.88	2.86	0.0002	1.31	1667.13	199.72
3.53	P10	1460	-14.2	-0.47	-9.81	-0.44	0.0002	1.28	1136.22	139.36
3.53	P20	822.7	-14.2	-3.35	-10.82	-3.33	0.0002	1.08	759.09	120.92
3.53	P30	478.9	-14.2	-5.56	-11.55	-5.55	0.0002	0.93	512.73	102.19
3.53	P40	282.6	-14.2	-7.29	-12.18	-7.28	0.0002	0.81	350.16	86.97
3.53	P50	168.2	-14.2	-8.51	-12.64	-8.51	0.0002	0.68	247.98	80.25
3.53	P60	109.7	-14.2	-9.56	-12.92	-9.55	0.0002	0.63	174.33	63.23
3.53	P70	72.9	-14.2	-10.31	-13.14	-10.3	0.0002	0.56	129.8	55.95
3.53	P80	56.7	-14.2	-10.7	-13.25	-10.69	0.0002	0.52	108.67	52.34
3.53	P90	41.9	-14.2	-11.11	-13.36	-11.11	0.0002	0.48	87.91	48.53
3.53	P95	37.5	-14.2	-11.25	-13.4	-11.24	0.0002	0.46	81.36	47.26

Wacissa HEC-RAS Output Table

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
		(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)
45988.37	PF 1	233	23.87	27.52		27.52	0.000491	0.25	980.3	549.89
45988.37	PF 2	254	23.87	27.68		27.68	0.000471	0.25	1071.21	609.92
45988.37	PF 3	357	23.87	28.29		28.29	0.00043	0.28	1495.3	780.94
45988.37	PF 4	518	23.87	29.01		29.01	0.000401	0.3	2097.26	881.15
45988.37	PF 5	563	23.87	29.18		29.18	0.000396	0.31	2250.73	902.07
45988.37	PF 6	670	23.87	29.56		29.56	0.000395	0.33	2609.04	971.08
39455.99	PF 1	233	21.16	26		26	0.00008	0.13	1812.25	628.5
39455.99	PF 2	254	21.16	26.16		26.16	0.000083	0.14	1920.8	718.5
39455.99	PF 3	357	21.16	26.67		26.67	0.000105	0.17	2345.92	901.42
39455.99	PF 4	518	21.16	27.29		27.29	0.000133	0.2	2914.92	936.11
39455.99	PF 5	563	21.16	27.44		27.44	0.00014	0.21	3059.3	956.47
39455.99	PF 6	670	21.16	27.77		27.77	0.000156	0.23	3382.9	1010.27
27093.71	PF 1	233	16.57	18.74		18.76	0.00042	0.99	236.09	212.67
27093.71	PF 2	254	16.57	18.83		18.85	0.000393	0.99	256.13	218.04
27093.71	PF 3	357	16.57	19.23		19.25	0.000323	1.03	346.89	240.87
27093.71	PF 4	518	16.57	19.72		19.73	0.000297	1.09	474.37	283.35
27093.71	PF 5	563	16.57	19.84		19.86	0.000291	1.1	509.71	294.19
27093.71	PF 6	670	16.57	20.15		20.17	0.000268	1.11	608.56	367.2
17666.08	PF 1	233	10.75	15.2		15.22	0.000136	1	233.89	88.8
17666.08	PF 2	254	10.75	15.33		15.34	0.000142	1.04	244.82	91.02
17666.08	PF 3	357	10.75	15.88		15.91	0.000162	1.2	300.94	120
17666.08	PF 4	518	10.75	16.62		16.64	0.000175	1.36	452.69	293.47
17666.08	PF 5	563	10.75	16.78		16.81	0.000178	1.4	504.3	334.64
17666.08	PF 6	670	10.75	17.32		17.34	0.00024	1.29	751.79	614.01
8538.354	PF 1	233	9.93	13.2		13.2	0.000145	0.7	334.42	227.44
8538.354	PF 2	254	9.93	13.31		13.32	0.000138	0.7	360.63	231.7
8538.354	PF 3	357	9.93	13.82		13.83	0.000114	0.74	482.86	249.43
8538.354	PF 4	518	9.93	14.48		14.49	0.000106	0.79	675.11	427.84
8538.354	PF 5	563	9.93	14.63		14.64	0.000112	0.8	749.08	540.11
8538.354	PF 6	670	9.93	14.94		14.95	0.000112	0.81	980.27	931.79
558.2392	PF 1	233	7.66	11.24	8.58	11.24	0.000148	0.33	731.54	372.28

River Station	Profile	Flow Total	Min Channel Elevation	Water Surface Elevation	Critical Water Surface	Energy Grade Elevation	Energy Grade Slope	Velocity in Channel	Flow Area	Top Width
558.2392	PF 2	254	7.66	11.29	8.61	11.29	0.000165	0.36	750.78	413.99
558.2392	PF 3	357	7.66	11.66	8.74	11.66	0.0002	0.43	931.79	527.31
558.2392	PF 4	518	7.66	12.22	8.89	12.22	0.000216	0.49	1258.35	642.51
558.2392	PF 5	563	7.66	12.46	8.92	12.46	0.000198	0.49	1426.23	747.75
558.2392	PF 6	670	7.66	13	9	13	0.000156	0.48	1914.53	1062.69
45209.51	PF 1	233	23.04	27.29		27.3	0.000201	0.17	1336.61	495.57
45209.51	PF 2	254	23.04	27.45		27.46	0.000204	0.18	1425.31	603.33
45209.51	PF 3	357	23.04	28.07		28.07	0.000208	0.21	1892.14	829.85
45209.51	PF 4	518	23.04	28.8		28.8	0.000218	0.24	2516.15	884.86
45209.51	PF 5	563	23.04	28.97		28.97	0.000221	0.24	2669.25	892.25
45209.51	PF 6	670	23.04	29.35		29.35	0.000229	0.26	3016.98	938.03
33277.08	PF 1	233	22.68	24.71		24.71	0.001258	0.2	1209.99	1274.51
33277.08	PF 2	254	22.68	24.8		24.8	0.001138	0.21	1322.48	1290.16
33277.08	PF 3	357	22.68	25.18		25.18	0.0008	0.21	1822.99	1332.44
33277.08	PF 4	518	22.68	25.72		25.72	0.000566	0.22	2558.01	1392.45
33277.08	PF 5	563	22.68	25.85		25.85	0.000551	0.23	2732.55	1400.2
33277.08	PF 6	670	22.68	26.1		26.1	0.000528	0.24	3083.34	1410.07
24324.64	PF 1	233	13.81	17.64		17.67	0.000365	1.29	180.33	97.11
24324.64	PF 2	254	13.81	17.8		17.82	0.000349	1.3	195.21	100.46
24324.64	PF 3	357	13.81	18.23		18.27	0.000386	1.48	241.5	110.15
24324.64	PF 4	518	13.81	18.63		18.68	0.000501	1.81	286.94	117.64
24324.64	PF 5	563	13.81	18.75		18.8	0.00052	1.87	300.51	119.78
24324.64	PF 6	670	13.81	19.12		19.17	0.000498	1.94	346.1	126.72
12463.24	PF 1	233	6.76	13.75		13.77	0.000072	0.93	249.28	62.68
12463.24	PF 2	254	6.76	13.88		13.9	0.000078	0.99	257.58	63.55
12463.24	PF 3	357	6.76	14.52		14.54	0.000102	1.19	299.49	67.79
12463.24	PF 4	518	6.76	15.21		15.24	0.000142	1.49	354.63	123.65
12463.24	PF 5	563	6.76	15.37		15.4	0.000153	1.56	376.5	153.17
12463.24	PF 6	670	6.76	15.68		15.73	0.000178	1.73	443.57	283.61