

Appendix C: Hydraulic Analysis

Existing Conditions Lovers Creek

HEC-RAS Plan: Existing

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W. S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
LoversTrib2	Trib. 2	1930.824	2 year	0.94	250.99	252.41	251.44	252.43	0.000301	0.61	1.53	15.35	0.17
LoversTrib2	Trib. 2	1930.824	5 year	1.77	250.99	252.94	251.66	252.98	0.000359	0.83	2.12	66.91	0.19
LoversTrib2	Trib. 2	1930.824	10 year	2.41	250.99	252.93	251.80	252.99	0.000686	1.15	2.10	41.90	0.27
LoversTrib2	Trib. 2	1930.824	25 year	3.31	250.99	252.88	251.99	253.02	0.001397	1.61	2.05	18.82	0.38
LoversTrib2	Trib. 2	1930.824	50 year	4.03	250.99	252.81	252.12	253.02	0.002353	2.04	1.98	18.31	0.49
LoversTrib2	Trib. 2	1930.824	100 year	4.80	250.99	252.69	252.26	253.04	0.004243	2.61	1.84	17.40	0.64
LoversTrib2	Trib. 2	1930.824	Regulatory	10.57	250.99	253.04	253.04	253.12	0.016334	1.78	13.05	151.45	0.94
LoversTrib2	Trib. 2	1924.424	Culvert										
LoversTrib2	Trib. 2	1918.464	2 year	0.94	251.01	252.11	251.47	252.14	0.000801	0.81	1.16	77.13	0.25
LoversTrib2	Trib. 2	1918.464	5 year	1.77	251.01	252.32	251.69	252.40	0.001545	1.27	1.40	104.51	0.36
LoversTrib2	Trib. 2	1918.464	10 year	2.41	251.01	252.43	251.84	252.43	0.000007	0.08	55.78	117.87	0.02
LoversTrib2	Trib. 2	1918.464	25 year	3.31	251.01	252.56	252.03	252.56	0.000006	0.08	73.39	135.83	0.02
LoversTrib2	Trib. 2	1918.464	50 year	4.03	251.01	252.62	252.16	252.62	0.000007	0.09	81.22	143.09	0.02
LoversTrib2	Trib. 2	1918.464	100 year	4.80	251.01	252.65	252.30	252.65	0.000009	0.10	85.47	146.88	0.03
LoversTrib2	Trib. 2	1918.464	Regulatory	10.57	251.01	252.41	252.41	252.42	0.000141	0.34	54.29	116.22	0.11
LoversTrib2	Trib. 2	1712.844	2 year	0.94	251.49	251.73		251.75	0.006617	0.86	1.73	15.16	0.58
LoversTrib2	Trib. 2	1712.844	5 year	1.77	251.49	251.83		251.85	0.003729	0.83	3.82	27.21	0.46
LoversTrib2	Trib. 2	1712.844	10 year	2.41	251.49	251.89		251.90	0.002940	0.82	5.55	35.48	0.42
LoversTrib2	Trib. 2	1712.844	25 year	3.31	251.49	251.95		251.96	0.002288	0.80	8.10	45.73	0.38
LoversTrib2	Trib. 2	1712.844	50 year	4.03	251.49	251.99		252.00	0.001966	0.78	10.15	52.60	0.36
LoversTrib2	Trib. 2	1712.844	100 year	4.80	251.49	252.03		252.04	0.001738	0.78	12.31	59.11	0.34
LoversTrib2	Trib. 2	1712.844	Regulatory	10.57	251.49	252.24		252.25	0.000971	0.73	27.49	83.21	0.27
LoversTrib2	Trib. 2	1640.194	2 year	0.94	251.04	251.51		251.52	0.001593	0.59	2.51	10.63	0.31
LoversTrib2	Trib. 2	1640.194	5 year	1.77	251.04	251.61		251.63	0.002004	0.78	3.75	13.01	0.36
LoversTrib2	Trib. 2	1640.194	10 year	2.41	251.04	251.67		251.70	0.002216	0.89	4.58	14.38	0.38
LoversTrib2	Trib. 2	1640.194	25 year	3.31	251.04	251.74		251.77	0.002448	1.01	5.64	16.03	0.41
LoversTrib2	Trib. 2	1640.194	50 year	4.03	251.04	251.79		251.82	0.002653	1.10	6.38	17.09	0.43
LoversTrib2	Trib. 2	1640.194	100 year	4.80	251.04	251.83		251.86	0.002942	1.20	7.02	17.92	0.46
LoversTrib2	Trib. 2	1640.194	Regulatory	10.57	251.04	252.04		252.11	0.004005	1.68	11.51	23.04	0.56
LoversTrib2	Trib. 2	1558.266	2 year	0.94	251.04	251.28		251.30	0.006631	0.87	1.86	14.44	0.58
LoversTrib2	Trib. 2	1558.266	5 year	1.77	251.04	251.35		251.38	0.006834	1.05	3.01	18.36	0.62
LoversTrib2	Trib. 2	1558.266	10 year	2.41	251.04	251.40		251.43	0.006839	1.15	3.84	20.75	0.63
LoversTrib2	Trib. 2	1558.266	25 year	3.31	251.04	251.45		251.48	0.006572	1.24	4.99	23.69	0.63
LoversTrib2	Trib. 2	1558.266	50 year	4.03	251.04	251.48		251.52	0.006501	1.30	5.82	25.31	0.64
LoversTrib2	Trib. 2	1558.266	100 year	4.80	251.04	251.51		251.55	0.006554	1.37	6.53	25.77	0.65
LoversTrib2	Trib. 2	1558.266	Regulatory	10.57	251.04	251.70		251.75	0.005564	1.59	11.74	29.09	0.63
LoversTrib2	Trib. 2	1476.962	2 year	0.94	250.14	250.40	250.39	250.48	0.018550	1.41	0.88	6.36	0.96
LoversTrib2	Trib. 2	1476.962	5 year	1.77	250.14	250.48	250.48	250.58	0.016177	1.64	1.51	8.30	0.95
LoversTrib2	Trib. 2	1476.962	10 year	2.41	250.14	250.54	250.54	250.64	0.015208	1.77	1.97	9.40	0.94
LoversTrib2	Trib. 2	1476.962	25 year	3.31	250.14	250.59	250.59	250.71	0.015287	1.95	2.51	10.55	0.97
LoversTrib2	Trib. 2	1476.962	50 year	4.03	250.14	250.63	250.63	250.76	0.014655	2.04	2.97	11.45	0.97
LoversTrib2	Trib. 2	1476.962	100 year	4.80	250.14	250.68	250.68	250.81	0.013760	2.10	3.49	12.36	0.95
LoversTrib2	Trib. 2	1476.962	Regulatory	10.57	250.14	250.86	250.86	251.07	0.014351	2.65	5.97	14.10	1.02
LoversTrib2	Trib. 2	1384.118	2 year	0.94	249.29	249.67		249.69	0.004709	0.81	1.68	8.26	0.49
LoversTrib2	Trib. 2	1384.118	5 year	1.77	249.29	249.78		249.81	0.004501	0.99	2.71	10.17	0.51
LoversTrib2	Trib. 2	1384.118	10 year	2.41	249.29	249.85		249.88	0.004468	1.09	3.42	11.29	0.52
LoversTrib2	Trib. 2	1384.118	25 year	3.31	249.29	249.93		249.97	0.004237	1.19	4.42	12.71	0.52
LoversTrib2	Trib. 2	1384.118	50 year	4.03	249.29	249.98		250.02	0.004539	1.30	5.00	13.52	0.55
LoversTrib2	Trib. 2	1384.118	100 year	4.80	249.29	250.04		250.09	0.004589	1.40	5.85	15.66	0.56
LoversTrib2	Trib. 2	1384.118	Regulatory	10.57	249.29	250.33		250.40	0.003907	1.66	11.87	24.89	0.55
LoversTrib2	Trib. 2	1310.424	2 year	0.94	248.86	249.22	249.14	249.25	0.007319	1.01	2.10	10.77	0.61
LoversTrib2	Trib. 2	1310.424	5 year	1.77	248.86	249.33	249.23	249.37	0.007804	1.22	3.41	13.65	0.66
LoversTrib2	Trib. 2	1310.424	10 year	2.41	248.86	249.39	249.28	249.44	0.008178	1.39	4.25	15.30	0.69
LoversTrib2	Trib. 2	1310.424	25 year	3.31	248.86	249.45	249.33	249.51	0.009146	1.60	5.22	17.03	0.74
LoversTrib2	Trib. 2	1310.424	50 year	4.03	248.86	249.51	249.37	249.58	0.008009	1.64	6.43	18.92	0.71
LoversTrib2	Trib. 2	1310.424	100 year	4.80	248.86	249.55	249.42	249.63	0.008464	1.77	7.23	20.03	0.74
LoversTrib2	Trib. 2	1310.424	Regulatory	10.57	248.86	249.73	249.65	249.89	0.013587	2.68	11.32	27.27	0.98
LoversTrib2	Trib. 2	1228.991	2 year	0.94	247.99	248.17	248.17	248.22	0.023873	1.34	2.07	24.08	1.05
LoversTrib2	Trib. 2	1228.991	5 year	1.77	247.99	248.22	248.22	248.28	0.024332	1.60	3.38	28.13	1.10
LoversTrib2	Trib. 2	1228.991	10 year	2.41	247.99	248.25	248.25	248.31	0.024392	1.75	4.23	29.43	1.13
LoversTrib2	Trib. 2	1228.991	25 year	3.31	247.99	248.29	248.29	248.35	0.021805	1.84	5.52	31.32	1.09
LoversTrib2	Trib. 2	1228.991	50 year	4.03	247.99	248.30	248.30	248.38	0.029664	2.17	5.70	31.56	1.28
LoversTrib2	Trib. 2	1228.991	100 year	4.80	247.99	248.32	248.32	248.41	0.028084	2.24	6.58	32.78	1.27
LoversTrib2	Trib. 2	1228.991	Regulatory	10.57	247.99	248.53	248.45	248.61	0.015716	2.34	14.46	43.89	1.03
LoversTrib2	Trib. 2	1049.136	2 year	0.94	247.09	247.04		247.04	0.002052		4.88	63.67	0.00
LoversTrib2	Trib. 2	1049.136	5 year	1.77	247.09	247.09		247.09	0.002157		9.20	103.25	0.00
LoversTrib2	Trib. 2	1049.136	10 year	2.41	247.09	247.11		247.11	0.002117	0.09	11.61	111.04	0.21
LoversTrib2	Trib. 2	1049.136	25 year	3.31	247.09	247.13		247.14	0.002200	0.16	14.33	113.77	0.25
LoversTrib2	Trib. 2	1049.136	50 year	4.03	247.09	247.15		247.16	0.002176	0.20	16.48	115.79	0.27
LoversTrib2	Trib. 2	1049.136	100 year	4.80	247.09	247.17		247.17	0.002226	0.24	18.44	117.54	0.28
LoversTrib2	Trib. 2	1049.136	Regulatory	10.57	247.09	247.25		247.26	0.003226	0.47	27.82	125.58	0.38
LoversTrib2	Trib. 2	923.6685	2 year	0.94	246.36	246.48	246.48	246.51	0.036519	1.32	2.41	38.94	1.22

HEC-RAS Plan: Existing (Continued)

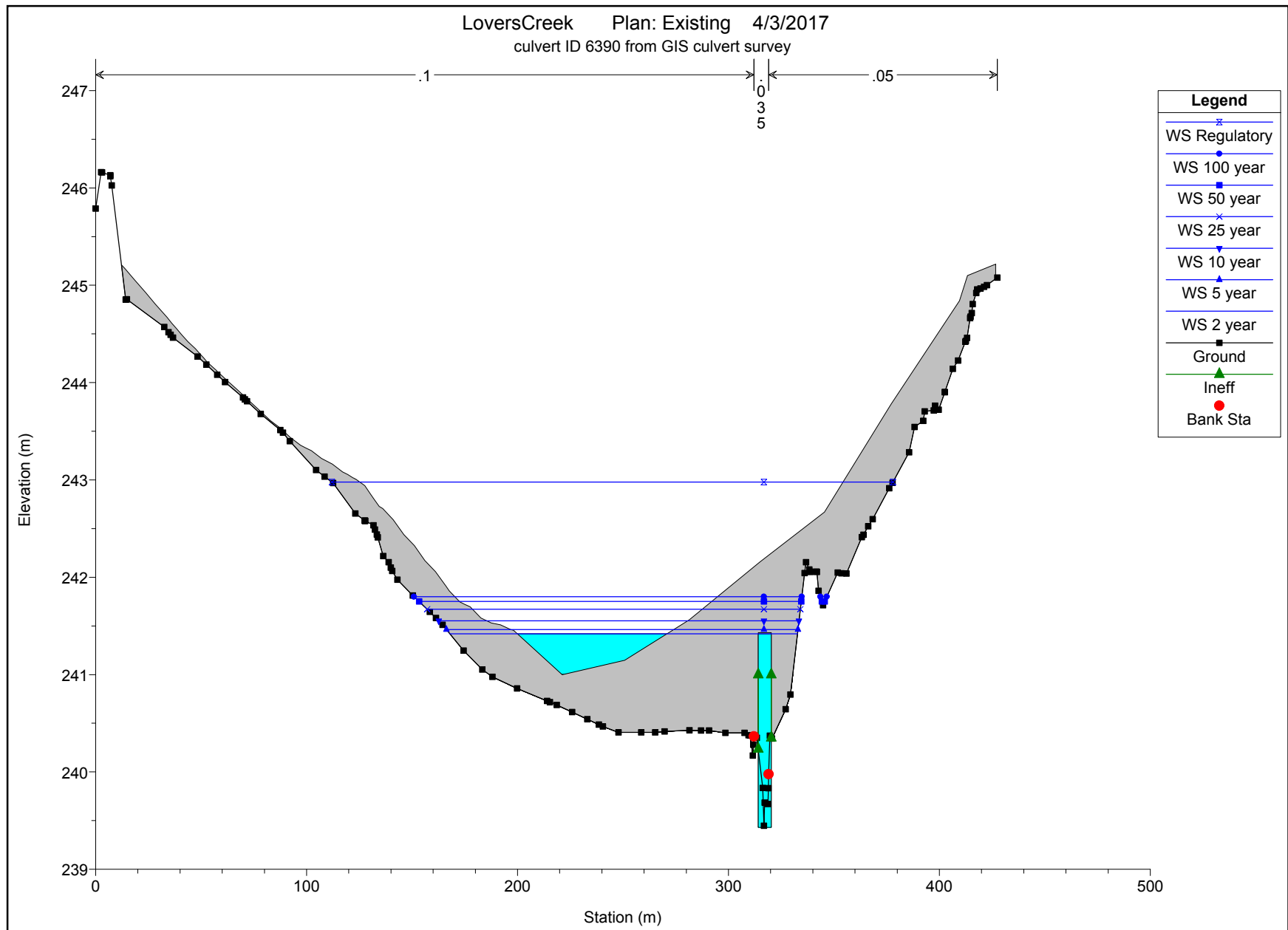
River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W. S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
LoversTrib2	Trib. 2	923.6685	5 year	1.77	246.36	246.51	246.51	246.56	0.041546	1.65	3.81	48.83	1.36
LoversTrib2	Trib. 2	923.6685	10 year	2.41	246.36	246.53	246.53	246.58	0.043310	1.82	4.79	54.35	1.41
LoversTrib2	Trib. 2	923.6685	25 year	3.31	246.36	246.56	246.56	246.61	0.037555	1.89	6.51	62.89	1.35
LoversTrib2	Trib. 2	923.6685	50 year	4.03	246.36	246.57	246.57	246.63	0.040143	2.04	7.40	66.89	1.41
LoversTrib2	Trib. 2	923.6685	100 year	4.80	246.36	246.59	246.59	246.65	0.038243	2.10	8.66	72.13	1.40
LoversTrib2	Trib. 2	923.6685	Regulatory	10.57	246.36	246.76		246.78	0.011672	1.66	25.69	125.51	0.84
LoversTrib2	Trib. 2	778.3870	2 year	3.23	245.54	245.94		245.95	0.001226	0.53	21.79	90.25	0.27
LoversTrib2	Trib. 2	778.3870	5 year	6.07	245.54	246.06		246.06	0.001315	0.65	33.04	105.30	0.29
LoversTrib2	Trib. 2	778.3870	10 year	8.31	245.54	246.13		246.13	0.001388	0.73	40.57	114.27	0.31
LoversTrib2	Trib. 2	778.3870	25 year	11.55	245.54	246.21		246.21	0.001547	0.84	50.20	127.79	0.33
LoversTrib2	Trib. 2	778.3870	50 year	14.16	245.54	246.26		246.27	0.001647	0.92	57.81	139.22	0.35
LoversTrib2	Trib. 2	778.3870	100 year	16.89	245.54	246.32		246.32	0.001732	0.99	65.46	150.32	0.36
LoversTrib2	Trib. 2	778.3870	Regulatory	32.65	245.54	246.52		246.53	0.002074	1.27	99.69	181.68	0.41
LoversTrib2	Trib. 2	632.1257	2 year	3.23	245.26	245.39	245.36	245.41	0.030884	1.31	6.56	64.42	1.15
LoversTrib2	Trib. 2	632.1257	5 year	6.07	245.26	245.43	245.42	245.47	0.035548	1.70	9.63	73.00	1.29
LoversTrib2	Trib. 2	632.1257	10 year	8.31	245.26	245.47	245.43	245.51	0.034936	1.88	12.03	78.90	1.31
LoversTrib2	Trib. 2	632.1257	25 year	11.55	245.26	245.51	245.46	245.56	0.030997	2.02	15.84	88.02	1.28
LoversTrib2	Trib. 2	632.1257	50 year	14.16	245.26	245.55	245.49	245.59	0.027908	2.09	19.02	94.97	1.24
LoversTrib2	Trib. 2	632.1257	100 year	16.89	245.26	245.58	245.52	245.63	0.024879	2.13	22.48	101.79	1.19
LoversTrib2	Trib. 2	632.1257	Regulatory	32.65	245.26	245.72	245.62	245.78	0.020280	2.44	38.25	123.10	1.14
LoversTrib2	Trib. 2	467.4527	2 year	3.23	243.52	244.00		244.03	0.004377	1.13	8.52	32.79	0.53
LoversTrib2	Trib. 2	467.4527	5 year	6.07	243.52	244.17		244.21	0.003746	1.29	15.15	43.45	0.52
LoversTrib2	Trib. 2	467.4527	10 year	8.31	243.52	244.28		244.31	0.003488	1.38	20.08	49.86	0.51
LoversTrib2	Trib. 2	467.4527	25 year	11.55	243.52	244.40		244.44	0.003338	1.50	26.65	57.53	0.51
LoversTrib2	Trib. 2	467.4527	50 year	14.16	243.52	244.49		244.53	0.003269	1.57	31.68	62.92	0.52
LoversTrib2	Trib. 2	467.4527	100 year	16.89	243.52	244.56		244.60	0.003231	1.65	36.69	67.85	0.52
LoversTrib2	Trib. 2	467.4527	Regulatory	32.65	243.52	244.97		245.01	0.002403	1.78	69.77	94.02	0.47
LoversTrib2	Trib. 2	303.7247	2 year	3.23	242.58	243.40	243.13	243.45	0.003408	1.40	7.49	23.80	0.51
LoversTrib2	Trib. 2	303.7247	5 year	6.07	242.58	243.59	243.32	243.65	0.003782	1.71	12.83	32.53	0.56
LoversTrib2	Trib. 2	303.7247	10 year	8.31	242.58	243.70	243.51	243.77	0.003941	1.87	16.69	37.69	0.58
LoversTrib2	Trib. 2	303.7247	25 year	11.55	242.58	243.84	243.62	243.91	0.003963	2.03	22.31	44.68	0.59
LoversTrib2	Trib. 2	303.7247	50 year	14.16	242.58	243.92	243.68	244.00	0.004103	2.16	26.16	48.52	0.61
LoversTrib2	Trib. 2	303.7247	100 year	16.89	242.58	244.00	243.75	244.08	0.004182	2.27	30.05	51.93	0.62
LoversTrib2	Trib. 2	303.7247	Regulatory	32.65	242.58	244.02	244.02	244.29	0.014461	4.26	31.03	52.75	1.15
LoversTrib2	Trib. 2	222.2998	2 year	3.23	242.33	242.66	242.66	242.77	0.029818	1.99	3.53	16.62	1.25
LoversTrib2	Trib. 2	222.2998	5 year	6.07	242.33	242.79	242.79	242.93	0.028491	2.32	5.79	20.42	1.27
LoversTrib2	Trib. 2	222.2998	10 year	8.31	242.33	242.86	242.86	243.02	0.028360	2.52	7.37	22.76	1.30
LoversTrib2	Trib. 2	222.2998	25 year	11.55	242.33	242.94	242.94	243.15	0.029998	2.89	9.18	25.18	1.37
LoversTrib2	Trib. 2	222.2998	50 year	14.16	242.33	243.01	243.01	243.24	0.027194	3.03	11.06	27.46	1.34
LoversTrib2	Trib. 2	222.2998	100 year	16.89	242.33	243.07	243.07	243.32	0.025700	3.18	12.89	31.37	1.32
LoversTrib2	Trib. 2	222.2998	Regulatory	32.65	242.33	243.78		243.81	0.001977	1.49	78.31	117.66	0.42
Lovers	Main04	6658.264	2 year	14.93	243.79	245.05		245.07	0.000966	0.90	52.85	126.25	0.26
Lovers	Main04	6658.264	5 year	28.24	243.79	245.67		245.68	0.000277	0.63	149.49	165.52	0.15
Lovers	Main04	6658.264	10 year	38.31	243.79	246.17		246.17	0.000145	0.53	236.44	189.77	0.11
Lovers	Main04	6658.264	25 year	55.16	243.79	246.81		246.82	0.000086	0.48	384.12	254.93	0.09
Lovers	Main04	6658.264	50 year	68.34	243.79	247.31		247.32	0.000057	0.44	515.85	268.23	0.07
Lovers	Main04	6658.264	100 year	76.71	243.79	247.62		247.62	0.000046	0.41	599.24	273.70	0.07
Lovers	Main04	6658.264	Regulatory	268.69	243.79	247.94		247.96	0.000372	1.24	687.60	276.10	0.19
Lovers	Main04	6626.625	2 year	14.93	242.93	244.78	244.34	244.99	0.004711	2.08	8.03	64.43	0.56
Lovers	Main04	6626.625	5 year	28.24	242.93	245.16	244.82	245.61	0.007389	3.06	10.37	108.63	0.73
Lovers	Main04	6626.625	10 year	38.31	242.93	245.56	245.13	246.10	0.006890	3.37	12.80	138.04	0.73
Lovers	Main04	6626.625	25 year	55.16	242.93	245.83	245.60	246.72	0.009586	4.30	14.46	156.84	0.88
Lovers	Main04	6626.625	50 year	68.34	242.93	245.93	245.93	247.19	0.012912	5.12	15.05	171.21	1.02
Lovers	Main04	6626.625	100 year	76.71	242.93	246.13	246.13	247.48	0.012550	5.32	16.30	191.87	1.02
Lovers	Main04	6626.625	Regulatory	268.69	242.93	247.82	247.34	247.93	0.002228	2.73	367.64	249.65	0.45
Lovers	Main04	6614.672			Culvert								
Lovers	Main04	6604.915	2 year	14.93	242.96	244.74		244.94	0.005681	1.94	7.70	22.67	0.55
Lovers	Main04	6604.915	5 year	28.24	242.96	245.04		245.49	0.010083	2.97	9.51	35.39	0.76
Lovers	Main04	6604.915	10 year	38.31	242.96	245.19	245.06	245.88	0.013643	3.67	10.43	41.45	0.90
Lovers	Main04	6604.915	25 year	55.16	242.96	245.50	245.50	246.52	0.016315	4.49	12.30	58.54	1.01
Lovers	Main04	6604.915	50 year	68.34	242.96	245.81	245.81	246.99	0.015472	4.81	14.21	78.06	1.01
Lovers	Main04	6604.915	100 year	76.71	242.96	246.00	246.00	247.27	0.015033	4.99	15.36	91.29	1.00
Lovers	Main04	6604.915	Regulatory	268.69	242.96	247.48	247.48	247.90	0.006769	4.37	220.67	205.93	0.72
Lovers	Main04	6557.771	2 year	14.93	242.98	244.61	244.25	244.66	0.002182	1.18	27.87	57.82	0.36
Lovers	Main04	6557.771	5 year	28.24	242.98	244.90	244.52	244.97	0.002542	1.49	46.93	74.77	0.40
Lovers	Main04	6557.771	10 year	38.31	242.98	245.07	244.65	245.14	0.002660	1.64	60.25	84.12	0.42
Lovers	Main04	6557.771	25 year	55.16	242.98	245.29	244.83	245.38	0.002732	1.82	79.83	91.11	0.44
Lovers	Main04	6557.771	50 year	68.34	242.98	245.44	244.95	245.53	0.002810	1.95	93.47	96.08	0.45
Lovers	Main04	6557.771	100 year	76.71	242.98	245.52	245.03	245.62	0.002873	2.03	101.56	99.55	0.46
Lovers	Main04	6557.771	Regulatory	268.69	242.98	246.69	245.93	246.86	0.003594	3.08	234.42	119.56	0.55
Lovers	Main04	6449.819	2 year	14.93	243.57	244.48		244.50	0.001112	0.90	30.18	58.96	0.30
Lovers	Main04	6449.819	5 year	28.24	243.57	244.77		244.80	0.001091	1.07	49.68	74.61	0.31

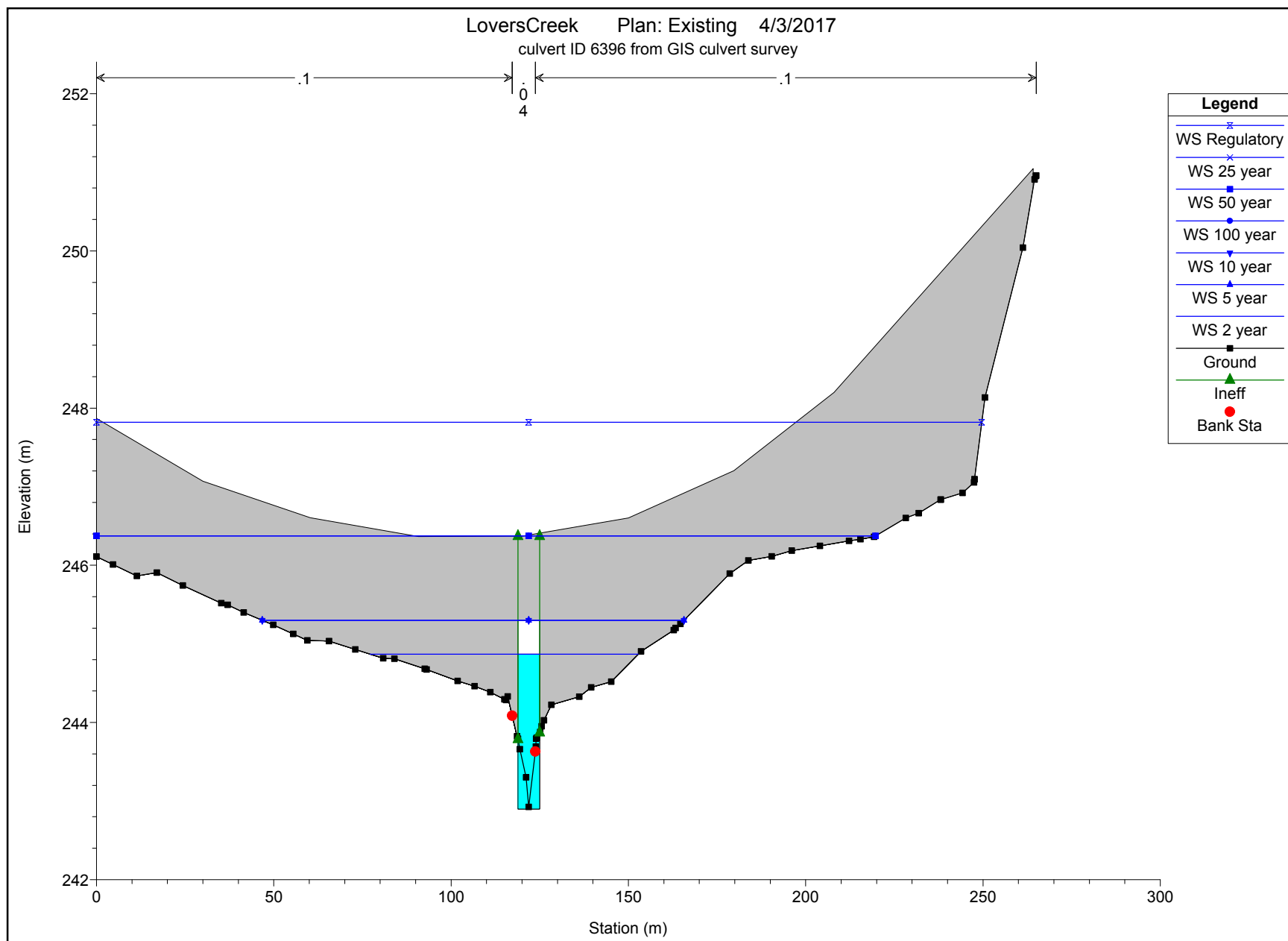
HEC-RAS Plan: Existing (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W. S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Lovers	Main04	6449.819	10 year	38.31	243.57	244.94		244.97	0.001043	1.14	63.25	81.81	0.31
Lovers	Main04	6449.819	25 year	55.16	243.57	245.17		245.20	0.001046	1.26	82.74	91.17	0.32
Lovers	Main04	6449.819	50 year	68.34	243.57	245.31		245.35	0.001067	1.35	96.40	97.49	0.33
Lovers	Main04	6449.819	100 year	76.71	243.57	245.40		245.43	0.001086	1.41	104.51	101.22	0.33
Lovers	Main04	6449.819	Regulatory	268.69	243.57	246.56		246.64	0.001227	2.08	244.70	135.70	0.38
Lovers	Main04	6341.946	2 year	14.93	243.44	244.37		244.39	0.001038	0.85	46.61	83.04	0.29
Lovers	Main04	6341.946	5 year	28.24	243.44	244.66		244.68	0.001078	1.05	72.43	95.06	0.31
Lovers	Main04	6341.946	10 year	38.31	243.44	244.84		244.86	0.001093	1.15	89.79	103.13	0.32
Lovers	Main04	6341.946	25 year	55.16	243.44	245.06		245.09	0.001139	1.31	113.56	110.07	0.33
Lovers	Main04	6341.946	50 year	68.34	243.44	245.20		245.23	0.001204	1.42	129.39	115.09	0.35
Lovers	Main04	6341.946	100 year	76.71	243.44	245.28		245.31	0.001249	1.49	138.53	117.86	0.36
Lovers	Main04	6341.946	Regulatory	268.69	243.44	246.40		246.49	0.001873	2.52	294.56	163.43	0.47
Lovers	Main04	6235.604	2 year	14.93	243.32	244.28		244.29	0.000935	0.85	55.36	90.78	0.28
Lovers	Main04	6235.604	5 year	28.24	243.32	244.56		244.57	0.001124	1.10	82.58	105.60	0.32
Lovers	Main04	6235.604	10 year	38.31	243.32	244.73		244.75	0.001186	1.24	101.43	114.94	0.33
Lovers	Main04	6235.604	25 year	55.16	243.32	244.94		244.97	0.001336	1.44	127.13	126.24	0.36
Lovers	Main04	6235.604	50 year	68.34	243.32	245.07		245.10	0.001445	1.58	144.21	131.50	0.38
Lovers	Main04	6235.604	100 year	76.71	243.32	245.15		245.18	0.001499	1.65	154.00	132.74	0.39
Lovers	Main04	6235.604	Regulatory	268.69	243.32	246.18		246.28	0.002508	2.89	299.85	147.55	0.54
Lovers	Main04	6118.069	2 year	14.93	243.25	244.07		244.10	0.002790	1.32	29.81	66.04	0.47
Lovers	Main04	6118.069	5 year	28.24	243.25	244.31		244.36	0.002980	1.62	47.87	82.41	0.50
Lovers	Main04	6118.069	10 year	38.31	243.25	244.47		244.52	0.003044	1.80	62.00	98.64	0.52
Lovers	Main04	6118.069	25 year	55.16	243.25	244.68		244.74	0.002706	1.89	84.34	110.55	0.50
Lovers	Main04	6118.069	50 year	68.34	243.25	244.80		244.86	0.002754	2.01	97.91	117.04	0.52
Lovers	Main04	6118.069	100 year	76.71	243.25	244.87		244.93	0.002819	2.09	105.60	120.56	0.52
Lovers	Main04	6118.069	Regulatory	268.69	243.25	245.68		245.85	0.004940	3.63	224.61	187.14	0.74
Lovers	Main04	6017.361	2 year	14.93	243.01	243.71		243.75	0.004632	1.53	25.89	61.68	0.58
Lovers	Main04	6017.361	5 year	28.24	243.01	243.98		244.03	0.003783	1.72	44.96	77.49	0.56
Lovers	Main04	6017.361	10 year	38.31	243.01	244.16		244.21	0.003254	1.79	59.86	88.04	0.53
Lovers	Main04	6017.361	25 year	55.16	243.01	244.34		244.41	0.004116	2.22	77.26	116.21	0.61
Lovers	Main04	6017.361	50 year	68.34	243.01	244.43		244.51	0.004621	2.45	88.11	130.19	0.66
Lovers	Main04	6017.361	100 year	76.71	243.01	244.48		244.57	0.004819	2.57	95.24	138.78	0.68
Lovers	Main04	6017.361	Regulatory	268.69	243.01	245.18		245.33	0.006180	3.76	216.08	202.68	0.82
Lovers	Main04	5902.777	2 year	14.93	242.63	243.52		243.54	0.001033	0.85	41.14	72.50	0.29
Lovers	Main04	5902.777	5 year	28.24	242.63	243.77		243.80	0.001268	1.11	61.22	176.90	0.33
Lovers	Main04	5902.777	10 year	38.31	242.63	243.94		243.98	0.001494	1.32	79.01	230.24	0.37
Lovers	Main04	5902.777	25 year	55.16	242.63	244.11		244.15	0.001527	1.45	115.56	242.17	0.38
Lovers	Main04	5902.777	50 year	68.34	242.63	244.22		244.25	0.001371	1.44	142.06	245.34	0.36
Lovers	Main04	5902.777	100 year	76.71	242.63	244.29		244.32	0.001247	1.41	159.71	247.44	0.35
Lovers	Main04	5902.777	Regulatory	268.69	242.63	244.92		244.98	0.001849	2.13	325.71	277.85	0.45
Lovers	Main04	5742.748	2 year	14.93	242.63	242.91	242.91	243.07	0.053220	2.47	51.50	148.58	1.49
Lovers	Main04	5742.748	5 year	28.24	242.63	243.10	243.10	243.30	0.034069	2.76	80.59	170.07	1.30
Lovers	Main04	5742.748	10 year	38.31	242.63	243.20	243.20	243.43	0.029412	2.94	99.22	182.61	1.25
Lovers	Main04	5742.748	25 year	55.16	242.63	243.34	243.34	243.61	0.027225	3.26	124.50	197.81	1.24
Lovers	Main04	5742.748	50 year	68.34	242.63	243.42	243.42	243.74	0.028209	3.58	142.08	213.94	1.29
Lovers	Main04	5742.748	100 year	76.71	242.63	243.44	243.44	243.82	0.033421	3.94	145.04	216.89	1.41
Lovers	Main04	5742.748	Regulatory	268.69	242.63	244.45		244.61	0.005466	2.75	448.62	317.77	0.65
Lovers	Main04	5581.765	2 year	14.93	241.97	242.67		242.67	0.000691	0.52	94.32	229.96	0.20
Lovers	Main04	5581.765	5 year	28.24	241.97	242.88		242.88	0.000721	0.63	145.69	266.31	0.21
Lovers	Main04	5581.765	10 year	38.31	241.97	243.00		243.01	0.000760	0.70	181.06	305.46	0.22
Lovers	Main04	5581.765	25 year	55.16	241.97	243.18		243.18	0.000733	0.77	236.09	328.35	0.22
Lovers	Main04	5581.765	50 year	68.34	241.97	243.29		243.30	0.000729	0.81	274.73	343.27	0.23
Lovers	Main04	5581.765	100 year	76.71	241.97	243.36		243.36	0.000729	0.84	297.87	352.02	0.23
Lovers	Main04	5581.765	Regulatory	268.69	241.97	244.41		244.42	0.000668	1.17	723.10	442.76	0.24
Lovers	Main02	4968.416	2 year	16.22	241.20	241.66	241.40	241.66	0.003005	0.80	55.54	167.89	0.38
Lovers	Main02	4968.416	5 year	31.20	241.20	241.84	241.48	241.85	0.002957	1.00	87.86	191.00	0.40
Lovers	Main02	4968.416	10 year	41.66	241.20	241.95	241.54	241.96	0.002743	1.07	109.58	202.08	0.40
Lovers	Main02	4968.416	25 year	58.75	241.20	242.10	241.60	242.11	0.002586	1.18	141.37	217.00	0.40
Lovers	Main02	4968.416	50 year	74.47	241.20	242.21	241.66	242.23	0.002491	1.25	167.15	222.85	0.40
Lovers	Main02	4968.416	100 year	83.64	241.20	242.28	241.69	242.30	0.002436	1.29	181.69	225.98	0.40
Lovers	Main02	4968.416	Regulatory	293.21	241.20	243.41	242.14	243.43	0.001697	1.74	500.85	320.63	0.38
Lovers	Main02	4852.176	2 year	16.22	240.90	241.53		241.54	0.001004	0.58	54.11	141.99	0.23
Lovers	Main02	4852.176	5 year	31.20	240.90	241.69		241.71	0.001339	0.78	77.85	156.99	0.28
Lovers	Main02	4852.176	10 year	41.66	240.90	241.80		241.82	0.001346	0.85	95.93	168.76	0.29
Lovers	Main02	4852.176	25 year	58.75	240.90	241.96		241.98	0.001345	0.95	122.68	178.98	0.30
Lovers	Main02	4852.176	50 year	74.47	240.90	242.07		242.09	0.001398	1.03	143.75	188.67	0.31
Lovers	Main02	4852.176	100 year	83.64	240.90	242.14		242.16	0.001406	1.08	156.19	193.97	0.31
Lovers	Main02	4852.176	Regulatory	293.21	240.90	243.29		243.33	0.001173	1.53	439.63	290.13	0.32
Lovers	Main02	4664.850	2 year	16.22	240.52	241.45	241.01	241.46	0.000529	0.55	85.84	175.41	0.18
Lovers	Main02	4664.850	5 year	31.20	240.52	241.56	241.10	241.57	0.001087	0.85	104.51	178.14	0.27
Lovers	Main02	4664.850	10 year	41.66	240.52	241.67	241.16	241.68	0.001166	0.94	123.67	180.89	0.28
Lovers	Main02	4664.850	25 year	58.75	240.52	241.81	241.23	241.83	0.001281	1.06	150.74	186.20	0.30
Lovers	Main02	4664.850	50 year	74.47	240.52	241.92	241.29	241.94	0.001429	1.18	170.27	190.10	0.32

HEC-RAS Plan: Existing (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W. S. Elev (m)	Crit W. S. (m)	E. G. Elev (m)	E. G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Lovers	Main02	4664.850	100 year	83.64	240.52	241.98	241.32	242.00	0.001472	1.24	182.22	192.45	0.33
Lovers	Main02	4664.850	Regulatory	293.21	240.52	243.15	241.82	243.18	0.001436	1.81	437.47	246.54	0.36
Lovers	Main02	4589.895	2 year	16.22	239.86	241.44		241.45	0.000122	0.33	132.93	168.82	0.09
Lovers	Main02	4589.895	5 year	31.20	239.86	241.54		241.54	0.000328	0.57	148.53	172.33	0.14
Lovers	Main02	4589.895	10 year	41.66	239.86	241.64		241.64	0.000421	0.67	166.23	176.23	0.17
Lovers	Main02	4589.895	25 year	58.75	239.86	241.78		241.79	0.000554	0.81	191.40	181.63	0.19
Lovers	Main02	4589.895	50 year	74.47	239.86	241.88		241.89	0.000688	0.93	209.17	185.35	0.22
Lovers	Main02	4589.895	100 year	83.64	239.86	241.94		241.95	0.000746	0.99	220.30	187.65	0.23
Lovers	Main02	4589.895	Regulatory	293.21	239.86	243.09		243.12	0.001140	1.67	489.60	275.52	0.30
Lovers	Main02	4535.809	2 year	15.76	239.45	241.42	240.80	241.43	0.000568	0.77	71.84	164.80	0.22
Lovers	Main02	4535.809	5 year	30.55	239.45	241.46	241.27	241.50	0.001678	1.35	79.11	166.69	0.38
Lovers	Main02	4535.809	10 year	40.88	239.45	241.55	241.33	241.60	0.001927	1.51	94.11	170.83	0.41
Lovers	Main02	4535.809	25 year	58.87	239.45	241.67	241.43	241.73	0.002373	1.77	114.73	176.89	0.46
Lovers	Main02	4535.809	50 year	73.25	239.45	241.75	241.48	241.82	0.002681	1.95	129.09	182.54	0.49
Lovers	Main02	4535.809	100 year	83.08	239.45	241.80	241.52	241.87	0.002866	2.06	138.34	186.97	0.51
Lovers	Main02	4535.809	Regulatory	294.27	239.45	242.98	242.07	243.04	0.001830	2.36	407.91	265.93	0.45
Lovers	Main02	4525.098		Culvert									
Lovers	Main02	4516.428	2 year	15.76	239.67	240.89	240.89	241.43	0.013780	3.28	5.23	88.89	1.03
Lovers	Main02	4516.428	5 year	30.55	239.67	241.32	241.32	241.48	0.006725	2.27	45.11	141.36	0.73
Lovers	Main02	4516.428	10 year	40.88	239.67	241.39	241.39	241.57	0.007954	2.58	54.63	147.96	0.80
Lovers	Main02	4516.428	25 year	58.87	239.67	241.50	241.50	241.70	0.008808	2.90	72.05	161.18	0.85
Lovers	Main02	4516.428	50 year	73.25	239.67	241.58	241.58	241.79	0.009427	3.12	84.07	168.43	0.89
Lovers	Main02	4516.428	100 year	83.08	239.67	241.64	241.61	241.84	0.009119	3.17	94.48	174.40	0.88
Lovers	Main02	4516.428	Regulatory	294.27	239.67	242.93		243.02	0.002620	2.68	378.10	268.37	0.53
Lovers	Main02	4475.999	2 year	15.76	240.08	240.75		240.76	0.000967	0.68	71.20	146.09	0.27
Lovers	Main02	4475.999	5 year	30.55	240.08	240.95		240.96	0.001212	0.90	99.98	148.21	0.31
Lovers	Main02	4475.999	10 year	40.88	240.08	241.06		241.07	0.001333	1.03	116.25	149.40	0.33
Lovers	Main02	4475.999	25 year	58.87	240.08	241.22		241.23	0.001517	1.21	139.97	151.11	0.36
Lovers	Main02	4475.999	50 year	73.25	240.08	241.34		241.35	0.001590	1.32	157.93	152.39	0.38
Lovers	Main02	4475.999	100 year	83.08	240.08	241.41		241.43	0.001639	1.40	169.18	153.19	0.39
Lovers	Main02	4475.999	Regulatory	294.27	240.08	242.77		242.81	0.001508	2.14	482.56	299.10	0.42
Lovers	Main02	4322.813	2 year	15.76	239.79	240.62		240.64	0.001457	0.94	55.61	199.18	0.34
Lovers	Main02	4322.813	5 year	30.55	239.79	240.82		240.84	0.001322	1.04	96.05	209.30	0.33
Lovers	Main02	4322.813	10 year	40.88	239.79	240.93		240.95	0.001294	1.10	119.25	214.28	0.33
Lovers	Main02	4322.813	25 year	58.87	239.79	241.08		241.11	0.001332	1.22	152.45	221.34	0.35
Lovers	Main02	4322.813	50 year	73.25	239.79	241.21		241.23	0.001288	1.27	179.64	227.64	0.35
Lovers	Main02	4322.813	100 year	83.08	239.79	241.28		241.30	0.001276	1.31	196.70	231.51	0.35
Lovers	Main02	4322.813	Regulatory	294.27	239.79	242.70		242.72	0.000677	1.50	636.79	365.32	0.28





Existing Conditions Hewitts Creek

HEC-RAS Plan: Existing

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	10601.45	2 YR	270.04	270.03	0.00	0.06	0.00	0.03	0.65	0.65	110.89
Main02	10601.45	5 YR	270.32	270.32	0.00	0.02	0.00	0.21	0.63	2.10	188.98
Main02	10601.45	10 YR	270.49	270.49	0.00	0.01	0.00	0.73	0.65	2.86	233.65
Main02	10601.45	25 YR	270.67	270.67	0.00	0.01	0.00	1.56	0.71	3.82	292.20
Main02	10601.45	50 YR	270.76	270.76	0.00	0.01	0.00	2.32	0.79	4.49	327.61
Main02	10601.45	100 YR	270.75	270.75	0.00	0.01	0.01	2.80	0.98	5.48	325.98
Main02	10601.45	Regional	270.79	270.78	0.00	0.03	0.00	7.85	2.50	14.42	334.40
Main02	10498.81	2 YR	269.98	269.96	0.02	0.22	0.00	0.00	1.31	0.02	5.28
Main02	10498.81	5 YR	270.30	270.26	0.03	0.30	0.02	0.04	2.80	0.10	7.08
Main02	10498.81	10 YR	270.47	270.43	0.04	0.32	0.02	0.12	3.93	0.17	8.05
Main02	10498.81	25 YR	270.65	270.60	0.05	0.31	0.02	0.64	5.17	0.29	50.75
Main02	10498.81	50 YR	270.75	270.70	0.04	0.27	0.03	1.88	5.50	0.22	63.13
Main02	10498.81	100 YR	270.73	270.63	0.10	0.36	0.03	1.27	7.56	0.43	53.91
Main02	10498.81	Regional	270.76	270.75	0.01	0.07	0.00	1.79	3.90	19.07	299.34
Main02	10395.52	2 YR	269.76	269.70	0.06	0.90	0.01		1.11	0.22	3.62
Main02	10395.52	5 YR	269.97	269.76	0.21	0.14	0.06		2.39	0.55	3.92
Main02	10395.52	10 YR	270.13	269.89	0.24	0.05	0.07		3.29	0.94	4.55
Main02	10395.52	25 YR	270.32	270.04	0.28	0.01	0.08		4.54	1.55	5.26
Main02	10395.52	50 YR	270.44	270.15	0.30	0.04	0.09		5.51	2.09	5.77
Main02	10395.52	100 YR	270.57	270.24	0.32	0.04	0.10		6.56	2.70	6.22
Main02	10395.52	Regional	270.68	270.67	0.01	0.06	0.00	0.97	3.35	20.44	233.59
Main02	10298.42	2 YR	268.85	268.71	0.14	0.01	0.04		1.33		2.90
Main02	10298.42	5 YR	269.03	269.03	0.00	0.00	0.00	2.36	0.58	0.00	113.93
Main02	10298.42	10 YR	269.20	269.20	0.00	0.00	0.00	3.69	0.53	0.01	147.80
Main02	10298.42	25 YR	269.59	269.59	0.00	0.00	0.00	5.59	0.47	0.02	238.78
Main02	10298.42	50 YR	269.41	269.41	0.00	0.00	0.00	6.91	0.67	0.02	177.16
Main02	10298.42	100 YR	269.45	269.45	0.00	0.00	0.00	8.44	0.79	0.03	188.76
Main02	10298.42	Regional	269.67	269.67	0.00	0.01	0.00	22.78	1.87	0.11	283.30
Main02	10258.60	2 YR	268.73	268.73	0.00	0.01	0.02	0.68	0.29	0.37	145.19
Main02	10258.60	5 YR	269.03	269.03	0.00	0.00	0.02	1.84	0.26	0.83	219.74
Main02	10258.60	10 YR	269.20	269.20	0.00	0.00	0.02	2.62	0.32	1.29	312.33
Main02	10258.60	25 YR	269.59	269.59	0.00	0.00	0.00	4.16	0.29	1.64	382.89
Main02	10258.60	50 YR	269.40	269.40	0.00	0.00	0.00	5.05	0.43	2.13	359.89
Main02	10258.60	100 YR	269.45	269.45	0.00	0.00	0.00	6.20	0.50	2.56	368.92
Main02	10258.60	Regional	269.66	269.66	0.00	0.00	0.00	17.01	1.14	6.61	388.43
Main02	10206.26	2 YR	268.70	268.53	0.17				1.33		182.10
Main02	10206.26	5 YR	269.00	268.78	0.23				2.94		223.63
Main02	10206.26	10 YR	269.17	268.95	0.22			0.05	4.18		292.42
Main02	10206.26	25 YR	269.59	269.59	0.00			4.58	0.55	0.96	354.18
Main02	10206.26	50 YR	269.40	269.40	0.00			5.26	1.31	1.03	352.47
Main02	10206.26	100 YR	269.44	269.44	0.00			6.62	1.31	1.32	353.00
Main02	10206.26	Regional	269.66	269.66	0.00			18.80	1.94	4.01	356.07
Main02	10191.24		Culvert								
Main02	10177.09	2 YR	268.32	268.28	0.04	0.07	0.03		1.33		6.21
Main02	10177.09	5 YR	268.62	268.58	0.04	0.07	0.02		2.94		71.34
Main02	10177.09	10 YR	268.79	268.75	0.04	0.08	0.02		4.23		144.28
Main02	10177.09	25 YR	269.01	268.96	0.05	0.07	0.02		6.09		245.46
Main02	10177.09	50 YR	269.13	269.07	0.07	0.08	0.03		7.60		267.89
Main02	10177.09	100 YR	269.25	269.17	0.08	0.08	0.04		9.26		284.97
Main02	10177.09	Regional	269.65	269.65	0.00	0.03	0.01	15.05	5.35	4.36	307.70
Main02	10114.03	2 YR	268.22	268.21	0.01	0.07	0.00		1.33		5.68
Main02	10114.03	5 YR	268.53	268.51	0.02	0.10	0.00		2.94		6.88
Main02	10114.03	10 YR	268.70	268.68	0.02	0.11	0.01		4.23		7.55
Main02	10114.03	25 YR	268.92	268.89	0.03	0.11	0.01	0.03	6.06		27.54
Main02	10114.03	50 YR	269.02	268.99	0.03	0.12	0.01	0.45	7.15		43.15
Main02	10114.03	100 YR	269.13	269.10	0.03	0.12	0.01	1.44	7.81	0.01	52.66
Main02	10114.03	Regional	269.61	269.59	0.02	0.10	0.01	10.58	12.65	1.54	164.96
Main02	10048.05	2 YR	268.14	268.10	0.04	0.96	0.00		1.39	0.20	4.94
Main02	10048.05	5 YR	268.43	268.37	0.06	0.93	0.01		2.88	0.62	6.71
Main02	10048.05	10 YR	268.59	268.51	0.08	0.89	0.00	0.00	4.04	1.00	7.68
Main02	10048.05	25 YR	268.80	268.71	0.09	0.84	0.01	0.02	5.88	1.33	11.43
Main02	10048.05	50 YR	268.89	268.77	0.12	0.78	0.00	0.04	7.25	1.73	12.81
Main02	10048.05	100 YR	268.99	268.84	0.15	0.73	0.01	0.08	8.75	2.14	15.62

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	10048.05	Regional	269.51	269.37	0.14	0.74	0.00	3.12	15.22	10.43	59.88
Main02	9811.740	2 YR	267.18	267.10	0.08	0.46	0.00	0.09	1.29	0.21	4.23
Main02	9811.740	5 YR	267.50	267.38	0.11	0.36	0.01	0.36	2.42	0.72	5.88
Main02	9811.740	10 YR	267.69	267.57	0.13	0.36	0.01	0.65	3.18	1.21	6.96
Main02	9811.740	25 YR	267.96	267.80	0.15	0.38	0.01	1.22	4.42	1.59	11.93
Main02	9811.740	50 YR	268.12	267.99	0.12	0.56	0.02	1.61	4.82	2.58	17.82
Main02	9811.740	100 YR	268.25	268.14	0.10	0.53	0.03	1.95	5.12	3.90	21.31
Main02	9811.740	Regional	268.77	268.60	0.17	0.58	0.01	3.73	9.56	15.47	36.88
Main02	9727.910	2 YR	266.73	266.65	0.08	0.00	0.02	0.14	1.29	0.15	3.99
Main02	9727.910	5 YR	267.13	267.05	0.08	1.22	0.01	0.57	2.31	0.61	6.12
Main02	9727.910	10 YR	267.33	267.23	0.10	1.25	0.02	0.95	3.06	1.02	7.07
Main02	9727.910	25 YR	267.57	267.44	0.12	1.28	0.02	1.63	4.23	1.37	17.31
Main02	9727.910	50 YR	267.54	267.19	0.34	0.02	0.10	1.66	5.57	1.79	6.89
Main02	9727.910	100 YR	267.68	267.24	0.44	0.00	0.13	2.09	6.64	2.25	7.13
Main02	9727.910	Regional	268.18	267.92	0.26	0.00	0.08	5.11	10.10	13.55	39.54
Main02	9516.781	2 YR	266.70	266.70	0.00	0.00	0.00	0.97	0.20	0.43	378.64
Main02	9516.781	5 YR	265.90	265.68	0.22	0.41	0.06		3.21	0.29	4.40
Main02	9516.781	10 YR	266.06	265.80	0.26	0.13	0.08	0.00	4.52	0.52	5.05
Main02	9516.781	25 YR	266.26	265.96	0.31	0.00	0.09	0.02	6.36	0.86	5.86
Main02	9516.781	50 YR	266.80	266.80	0.00	0.00	0.00	5.77	0.88	2.36	425.06
Main02	9516.781	100 YR	267.54	267.54	0.00	0.00	0.00	8.15	0.40	2.42	571.09
Main02	9516.781	Regional	267.83	267.83	0.00	0.00	0.00	22.00	0.84	5.92	584.85
Main02	9304.015	2 YR	266.70	266.70	0.00	0.00	0.00	1.40	0.03	0.16	854.34
Main02	9304.015	5 YR	265.33	265.31	0.01	0.21	0.00	1.61	1.66	0.23	161.06
Main02	9304.015	10 YR	265.48	265.48	0.00	0.09	0.00	3.88	1.02	0.13	320.32
Main02	9304.015	25 YR	266.16	266.16	0.00	0.00	0.00	6.56	0.23	0.44	703.93
Main02	9304.015	50 YR	266.80	266.80	0.00	0.00	0.00	7.91	0.14	0.97	888.85
Main02	9304.015	100 YR	267.54	267.54	0.00	0.00	0.00	9.36	0.11	1.50	1182.98
Main02	9304.015	Regional	267.82	267.82	0.00	0.00	0.00	24.50	0.25	4.01	1195.52
Main02	9155.321	2 YR	266.70	266.70	0.00	0.00	0.00	0.98	0.13	0.47	337.77
Main02	9155.321	5 YR	265.11	265.07	0.04	0.08	0.01		2.98	0.52	6.96
Main02	9155.321	10 YR	265.39	265.36	0.03	0.02	0.01	0.00	3.98	1.06	41.67
Main02	9155.321	25 YR	266.15	266.15	0.00	0.00	0.00	3.87	1.00	2.36	233.39
Main02	9155.321	50 YR	266.80	266.80	0.00	0.00	0.00	5.88	0.74	2.39	356.58
Main02	9155.321	100 YR	267.54	267.54	0.00	0.00	0.00	7.11	0.57	3.29	436.57
Main02	9155.321	Regional	267.82	267.82	0.00	0.00	0.00	18.47	1.31	8.97	460.08
Main02	9067.059	2 YR	266.70	266.70	0.00	0.00	0.00	1.14	0.12	0.33	278.28
Main02	9067.059	5 YR	265.02	265.01	0.01	0.05	0.00	0.60	1.91	0.99	61.07
Main02	9067.059	10 YR	265.36	265.36	0.00	0.01	0.00	2.98	1.39	0.67	128.19
Main02	9067.059	25 YR	266.15	266.15	0.00	0.00	0.00	5.41	0.75	1.08	234.96
Main02	9067.059	50 YR	266.79	266.79	0.00	0.00	0.00	6.43	0.63	1.96	286.46
Main02	9067.059	100 YR	267.54	267.54	0.00	0.00	0.00	7.64	0.58	2.75	358.62
Main02	9067.059	Regional	267.82	267.82	0.00	0.00	0.00	19.67	1.41	7.68	385.69
Main02	8968.988	2 YR	266.70	266.70	0.00	0.00	0.00	0.85	0.11	0.63	344.21
Main02	8968.988	5 YR	264.97	264.96	0.01	0.06	0.00	0.22	2.00	1.28	55.39
Main02	8968.988	10 YR	265.35	265.35	0.00	0.01	0.00	0.92	1.38	2.74	93.18
Main02	8968.988	25 YR	266.15	266.15	0.00	0.00	0.00	3.05	0.77	3.40	264.15
Main02	8968.988	50 YR	266.79	266.79	0.00	0.00	0.00	4.97	0.57	3.48	353.49
Main02	8968.988	100 YR	267.54	267.54	0.00	0.00	0.00	7.03	0.48	3.46	483.92
Main02	8968.988	Regional	267.82	267.82	0.00	0.00	0.00	18.52	1.18	9.07	535.34
Main02	8848.212	2 YR	266.70	266.70	0.00	0.00	0.00	1.34	0.08	0.17	532.41
Main02	8848.212	5 YR	264.91	264.90	0.01	0.01	0.00	0.36	2.93	0.22	45.00
Main02	8848.212	10 YR	265.34	265.34	0.00	0.00	0.00	3.23	1.58	0.23	282.29
Main02	8848.212	25 YR	266.15	266.15	0.00	0.00	0.00	6.00	0.55	0.68	484.31
Main02	8848.212	50 YR	266.79	266.79	0.00	0.00	0.00	7.62	0.40	1.00	540.87
Main02	8848.212	100 YR	267.54	267.54	0.00	0.00	0.00	9.24	0.36	1.37	613.28
Main02	8848.212	Regional	267.82	267.82	0.00	0.00	0.00	24.20	0.85	3.71	632.54
Main02	8709.171	2 YR	266.70	266.70	0.00			1.11	0.09	0.39	548.98
Main02	8709.171	5 YR	264.90	264.90	0.00	0.01	0.01	2.45	0.73	0.32	277.21
Main02	8709.171	10 YR	265.34	265.34	0.00	0.00	0.01	3.60	0.62	0.82	394.88
Main02	8709.171	25 YR	266.15	266.15	0.00	0.00	0.01	5.14	0.50	1.59	471.69
Main02	8709.171	50 YR	266.79	266.79	0.00	0.00	0.01	6.27	0.51	2.23	563.98
Main02	8709.171	100 YR	267.54	267.54	0.00	0.00	0.01	7.68	0.51	2.78	600.66

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	8709.171	Regional	267.82	267.82	0.00	0.00	0.00	20.00	1.27	7.49	633.65
Main02	8422.349	2 YR	266.70	266.70	0.00				0.99	0.60	489.03
Main02	8422.349	5 YR	264.88	264.80	0.08				2.28	1.22	133.92
Main02	8422.349	10 YR	265.32	265.22	0.10				3.23	1.81	237.11
Main02	8422.349	25 YR	266.14	266.03	0.11				4.54	2.69	372.14
Main02	8422.349	50 YR	266.78	266.67	0.11				5.61	3.41	486.67
Main02	8422.349	100 YR	267.53	267.42	0.11				6.77	4.20	645.62
Main02	8422.349	Regional	267.82	267.82	0.00			9.11	3.63	16.02	699.79
Main02	8402.893		Culvert								
Main02	8387.801	2 YR	266.70	266.70	0.00				1.31	0.28	405.79
Main02	8387.801	5 YR	264.72	264.64	0.08	0.04	0.06		2.91	0.59	117.59
Main02	8387.801	10 YR	264.96	264.83	0.13	0.03	0.11		4.19	0.85	177.62
Main02	8387.801	25 YR	265.32	265.12	0.21	0.02	0.16		5.99	1.24	245.46
Main02	8387.801	50 YR	265.49	265.19	0.30	0.02	0.24		7.47	1.55	254.36
Main02	8387.801	100 YR	265.64	265.21	0.44	0.02	0.35		9.09	1.88	256.61
Main02	8387.801	Regional	267.61	266.07	1.54	0.06	1.23		23.72	5.04	341.19
Main02	8231.756	2 YR	264.32	264.32	0.01	0.05	0.00	0.15	1.38	1.02	55.31
Main02	8231.756	5 YR	264.62	264.61	0.00	0.07	0.00	0.74	1.68	3.32	101.42
Main02	8231.756	10 YR	264.82	264.82	0.00	0.06	0.01	1.29	1.69	5.26	141.45
Main02	8231.756	25 YR	265.14	265.14	0.00	0.03	0.01	2.60	1.48	7.39	202.39
Main02	8231.756	50 YR	265.23	265.23	0.00	0.03	0.02	3.48	1.60	8.91	213.13
Main02	8231.756	100 YR	265.28	265.27	0.00	0.03	0.00	4.31	1.81	10.59	216.47
Main02	8231.756	Regional	265.47	265.46	0.00	0.07	0.00	12.20	3.66	26.29	232.20
Main02	7985.401	2 YR	264.27	264.26	0.01				2.22	0.34	65.04
Main02	7985.401	5 YR	264.54	264.49	0.05				4.96	0.78	90.76
Main02	7985.401	10 YR	264.76	264.68	0.08				7.11	1.13	124.57
Main02	7985.401	25 YR	265.10	264.98	0.12				9.88	1.59	287.80
Main02	7985.401	50 YR	265.18	265.01	0.17				12.05	1.94	315.10
Main02	7985.401	100 YR	265.24	265.20	0.04			5.85	8.49	2.37	392.12
Main02	7985.401	Regional	265.39	265.38	0.02			23.09	8.98	10.07	593.36
Main02	7973.839		Culvert								
Main02	7964.496	2 YR	264.25	264.24	0.01	0.03	0.03		2.56		28.72
Main02	7964.496	5 YR	264.46	264.42	0.04	0.11	0.03		5.74		36.32
Main02	7964.496	10 YR	264.58	264.51	0.08	0.19	0.01		8.24		40.12
Main02	7964.496	25 YR	264.77	264.64	0.13	0.29	0.04		11.47		47.73
Main02	7964.496	50 YR	264.92	264.74	0.18	0.37	0.08		13.99		68.00
Main02	7964.496	100 YR	265.08	264.84	0.24	0.45	0.12		16.71		101.24
Main02	7964.496	Regional	265.37	265.32	0.05	0.61	0.04	5.18	15.65	21.32	434.77
Main02	7909.400	2 YR	264.19	264.13	0.06	0.29	0.01			2.56	17.97
Main02	7909.400	5 YR	264.31	264.22	0.09	0.27	0.02			5.74	22.66
Main02	7909.400	10 YR	264.39	264.29	0.09	0.27	0.02	0.06		8.18	42.92
Main02	7909.400	25 YR	264.45	264.36	0.08	0.27	0.01	0.97	0.05	10.45	63.16
Main02	7909.400	50 YR	264.48	264.39	0.09	0.30	0.01	1.73	0.12	12.14	67.50
Main02	7909.400	100 YR	264.51	264.42	0.09	0.32	0.01	2.66	0.22	13.82	72.67
Main02	7909.400	Regional	264.71	264.59	0.12	0.49	0.00	13.36	1.29	27.49	97.27
Main02	7812.035	2 YR	262.92	262.89	0.02	0.33	0.01	0.45	1.82	0.29	12.69
Main02	7812.035	5 YR	263.22	263.19	0.03	0.31	0.02	1.38	3.39	0.97	18.17
Main02	7812.035	10 YR	263.38	263.33	0.04	0.29	0.02	2.19	4.46	1.59	21.12
Main02	7812.035	25 YR	263.54	263.49	0.05	0.28	0.02	3.28	5.70	2.49	24.12
Main02	7812.035	50 YR	263.63	263.57	0.06	0.29	0.02	3.97	6.76	3.25	26.92
Main02	7812.035	100 YR	263.72	263.65	0.07	0.30	0.01	4.77	7.90	4.04	30.64
Main02	7812.035	Regional	264.21	264.07	0.13	0.40	0.01	14.31	15.87	11.96	51.13
Main02	7711.195	2 YR	262.58	262.42	0.16	0.57	0.04	0.04	2.50	0.03	5.33
Main02	7711.195	5 YR	262.89	262.64	0.26	0.51	0.06	0.30	5.18	0.26	7.42
Main02	7711.195	10 YR	263.07	262.84	0.23	0.43	0.05	0.74	6.86	0.64	12.84
Main02	7711.195	25 YR	263.24	263.01	0.23	0.37	0.05	1.87	8.68	0.92	22.28
Main02	7711.195	50 YR	263.33	263.11	0.21	0.35	0.05	2.80	9.66	1.54	29.41
Main02	7711.195	100 YR	263.40	263.19	0.21	0.36	0.04	3.77	10.61	2.33	34.97
Main02	7711.195	Regional	263.80	263.59	0.21	0.44	0.03	13.08	17.09	11.98	64.10
Main02	7624.932	2 YR	261.88	261.84	0.04	0.23	0.00	1.39	1.08	0.09	10.77
Main02	7624.932	5 YR	262.17	262.13	0.05	0.22	0.00	3.48	1.92	0.34	15.18

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	7624.932	10 YR	262.34	262.29	0.05	0.21	0.00	5.20	2.45	0.58	17.70
Main02	7624.932	25 YR	262.54	262.49	0.05	0.21	0.00	7.49	3.04	0.94	20.83
Main02	7624.932	50 YR	262.67	262.62	0.05	0.19	0.00	9.19	3.53	1.26	24.33
Main02	7624.932	100 YR	262.77	262.71	0.06	0.19	0.00	11.09	4.04	1.58	26.71
Main02	7624.932	Regional	263.33	263.23	0.10	0.19	0.02	30.42	7.88	3.85	56.57
Main02	7505.220	2 YR	261.65	261.62	0.03	0.09	0.01	0.26	1.15	1.15	10.56
Main02	7505.220	5 YR	261.95	261.91	0.04	0.11	0.01	0.77	2.07	2.90	14.25
Main02	7505.220	10 YR	262.13	262.08	0.05	0.12	0.01	1.18	2.67	4.40	16.49
Main02	7505.220	25 YR	262.33	262.27	0.06	0.14	0.02	1.54	3.56	6.37	25.73
Main02	7505.220	50 YR	262.48	262.42	0.06	0.13	0.02	2.02	4.02	7.95	37.91
Main02	7505.220	100 YR	262.57	262.52	0.06	0.13	0.02	3.11	4.35	9.25	43.00
Main02	7505.220	Regional	263.13	263.08	0.05	0.13	0.01	15.21	6.57	20.37	70.73
Main02	7361.987	2 YR	261.55	261.55	0.00	0.03	0.00	0.60	0.30	0.07	16.38
Main02	7361.987	5 YR	261.83	261.83	0.00	0.03	0.00	1.39	0.54	0.17	20.37
Main02	7361.987	10 YR	261.99	261.99	0.00	0.03	0.00	2.01	0.70	0.27	22.77
Main02	7361.987	25 YR	262.18	262.17	0.00	0.03	0.00	2.87	0.91	0.41	25.95
Main02	7361.987	50 YR	262.33	262.32	0.00	0.02	0.00	3.58	1.06	0.54	28.83
Main02	7361.987	100 YR	262.42	262.42	0.00	0.03	0.00	4.34	1.22	0.66	30.58
Main02	7361.987	Regional	262.98	262.98	0.00	0.03	0.00	8.77	1.86	1.84	170.80
Main02	7305.078	2 YR	261.52	261.52	0.00	0.18	0.01	0.15	0.18	0.64	31.63
Main02	7305.078	5 YR	261.80	261.80	0.00	0.14	0.01	0.36	0.27	1.48	41.43
Main02	7305.078	10 YR	261.97	261.97	0.00	0.13	0.01	0.52	0.32	2.12	47.66
Main02	7305.078	25 YR	262.15	262.15	0.00	0.12	0.01	0.79	0.40	3.00	54.07
Main02	7305.078	50 YR	262.30	262.30	0.00	0.11	0.02	1.04	0.45	3.68	59.50
Main02	7305.078	100 YR	262.40	262.40	0.00	0.12	0.02	1.29	0.52	4.42	63.16
Main02	7305.078	Regional	262.96	262.95	0.00	0.17	0.03	2.82	0.94	8.71	179.01
Main02	7166.875	2 YR	261.33	261.27	0.06	0.86	0.00	0.70	1.77	1.11	14.72
Main02	7166.875	5 YR	261.65	261.56	0.09	0.99	0.00	1.96	3.26	2.90	18.90
Main02	7166.875	10 YR	261.83	261.72	0.11	1.05	0.00	3.01	4.35	4.37	22.26
Main02	7166.875	25 YR	262.01	261.86	0.15	1.11	0.00	4.46	5.78	6.28	26.29
Main02	7166.875	50 YR	262.17	261.98	0.20	1.18	0.02	6.02	7.19	6.93	39.37
Main02	7166.875	100 YR	262.26	262.05	0.21	1.18	0.02	7.09	8.08	8.94	42.32
Main02	7166.875	Regional	262.76	262.49	0.27	1.05	0.03	15.11	13.40	29.42	57.63
Main02	7018.901	2 YR	260.46	260.37	0.09	0.96	0.02	1.26	1.30	1.01	20.51
Main02	7018.901	5 YR	260.66	260.52	0.14	0.84	0.03	3.17	2.34	2.61	28.18
Main02	7018.901	10 YR	260.77	260.62	0.15	0.80	0.03	4.84	3.01	3.88	30.54
Main02	7018.901	25 YR	260.89	260.75	0.14	0.75	0.02	7.50	3.65	5.35	32.34
Main02	7018.901	50 YR	260.97	260.84	0.14	0.73	0.02	9.55	4.11	6.48	33.63
Main02	7018.901	100 YR	261.06	260.93	0.14	0.71	0.02	11.78	4.61	7.72	34.91
Main02	7018.901	Regional	261.68	261.52	0.16	0.68	0.01	30.67	8.52	18.73	43.33
Main02	6889.840	2 YR	259.48	259.44	0.04	0.21	0.01	0.57	1.84	1.17	22.35
Main02	6889.840	5 YR	259.77	259.72	0.05	0.24	0.00	1.66	3.32	3.15	27.18
Main02	6889.840	10 YR	259.93	259.88	0.05	0.26	0.00	2.67	4.40	4.65	29.89
Main02	6889.840	25 YR	260.11	260.05	0.06	0.28	0.00	4.16	5.76	6.59	32.70
Main02	6889.840	50 YR	260.22	260.15	0.07	0.29	0.00	5.36	6.75	8.03	34.48
Main02	6889.840	100 YR	260.34	260.26	0.07	0.30	0.00	6.75	7.78	9.58	36.29
Main02	6889.840	Regional	260.98	260.86	0.12	0.36	0.00	20.74	15.55	21.64	42.58
Main02	6792.25	2 YR	259.27	259.25	0.01	0.42	0.00	0.21	0.77	2.60	19.08
Main02	6792.25	5 YR	259.52	259.49	0.03	0.55	0.00	0.73	1.57	5.81	24.33
Main02	6792.25	10 YR	259.67	259.63	0.04	0.63	0.00	1.27	2.17	8.30	28.72
Main02	6792.25	25 YR	259.83	259.77	0.06	0.70	0.00	2.18	2.90	11.43	33.79
Main02	6792.25	50 YR	259.93	259.86	0.07	0.76	0.00	2.98	3.43	13.73	36.91
Main02	6792.25	100 YR	260.04	259.96	0.08	0.81	0.00	3.96	3.97	16.18	41.20
Main02	6792.25	Regional	260.63	260.50	0.13	1.08	0.00	16.33	7.79	33.82	51.08
Main02	6628.565	2 YR	258.84	258.81	0.04	0.85	0.01	1.40	0.75	1.43	49.20
Main02	6628.565	5 YR	258.97	258.92	0.05	0.86	0.01	3.21	1.28	3.63	57.67
Main02	6628.565	10 YR	259.05	259.00	0.05	0.87	0.01	4.73	1.66	5.34	63.29
Main02	6628.565	25 YR	259.13	259.06	0.06	0.86	0.01	7.02	2.11	7.38	65.22
Main02	6628.565	50 YR	259.18	259.11	0.07	0.85	0.02	8.82	2.44	8.88	65.66
Main02	6628.565	100 YR	259.22	259.14	0.08	0.83	0.02	10.77	2.81	10.54	66.03
Main02	6628.565	Regional	259.54	259.38	0.16	0.65	0.04	27.77	5.70	24.46	68.47
Main02	6550.536	2 YR	257.99	257.98	0.00	0.53	0.00			3.58	68.27
Main02	6550.536	5 YR	258.10	258.10	0.01	0.45	0.00		0.00	8.12	76.08

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	6550.536	10 YR	258.17	258.16	0.01	0.40	0.00	0.00	0.04	11.68	78.54
Main02	6550.536	25 YR	258.25	258.24	0.01	0.35	0.00	0.05	0.16	16.30	83.90
Main02	6550.536	50 YR	258.31	258.29	0.02	0.33	0.00	0.14	0.27	19.72	87.22
Main02	6550.536	100 YR	258.38	258.36	0.02	0.31	0.00	0.33	0.42	23.36	90.96
Main02	6550.536	Regional	258.85	258.82	0.02	0.24	0.00	4.58	1.78	51.57	111.74
Main02	6424.454	2 YR	257.46	257.42	0.03	0.33	0.01	1.23	1.35	1.00	44.02
Main02	6424.454	5 YR	257.65	257.62	0.03	0.28	0.01	2.93	2.35	2.85	66.34
Main02	6424.454	10 YR	257.77	257.74	0.03	0.26	0.00	4.17	2.88	4.67	73.34
Main02	6424.454	25 YR	257.90	257.87	0.03	0.24	0.00	5.83	3.52	7.16	78.21
Main02	6424.454	50 YR	257.98	257.95	0.03	0.23	0.00	7.13	4.00	9.01	81.39
Main02	6424.454	100 YR	258.07	258.04	0.03	0.23	0.00	8.60	4.51	11.00	84.56
Main02	6424.454	Regional	258.60	258.56	0.04	0.21	0.00	22.82	8.36	26.75	100.43
Main02	6327.020	2 YR	257.12	257.11	0.01	0.30	0.01	2.71	0.55	0.32	40.98
Main02	6327.020	5 YR	257.36	257.35	0.01	0.27	0.01	5.92	1.13	1.07	52.77
Main02	6327.020	10 YR	257.50	257.49	0.01	0.27	0.01	8.41	1.54	1.78	59.37
Main02	6327.020	25 YR	257.65	257.63	0.02	0.27	0.01	11.62	2.05	2.85	66.91
Main02	6327.020	50 YR	257.75	257.73	0.02	0.26	0.01	13.93	2.39	3.82	70.24
Main02	6327.020	100 YR	257.84	257.82	0.02	0.26	0.01	16.46	2.76	4.89	73.43
Main02	6327.020	Regional	258.39	258.35	0.04	0.25	0.01	40.37	5.41	12.15	85.57
Main02	6245.366	2 YR	256.82	256.74	0.08	0.28	0.02	0.58	1.74	1.26	20.32
Main02	6245.366	5 YR	257.08	256.98	0.11	0.35	0.02	1.49	3.23	3.40	29.97
Main02	6245.366	10 YR	257.22	257.10	0.12	0.36	0.02	2.41	4.22	5.10	35.18
Main02	6245.366	25 YR	257.37	257.23	0.14	0.37	0.02	3.81	5.37	7.33	40.24
Main02	6245.366	50 YR	257.47	257.32	0.14	0.39	0.02	4.96	6.14	9.04	43.76
Main02	6245.366	100 YR	257.56	257.41	0.15	0.38	0.02	6.23	6.95	10.92	47.05
Main02	6245.366	Regional	258.13	257.96	0.16	0.36	0.01	18.14	12.03	27.75	55.58
Main02	6177.592	2 YR	256.52	256.50	0.02	0.42	0.00	0.08	2.44	1.06	33.53
Main02	6177.592	5 YR	256.72	256.68	0.04	0.44	0.00	0.30	4.86	2.96	40.93
Main02	6177.592	10 YR	256.84	256.79	0.05	0.47	0.00	0.53	6.52	4.68	43.27
Main02	6177.592	25 YR	256.98	256.92	0.06	0.47	0.00	0.89	8.62	7.01	45.72
Main02	6177.592	50 YR	257.06	256.98	0.08	0.35	0.00	1.17	10.23	8.74	46.88
Main02	6177.592	100 YR	257.15	257.07	0.08	0.47	0.00	1.55	11.82	10.73	48.57
Main02	6177.592	Regional	257.75	257.62	0.13	0.46	0.01	5.57	24.49	27.88	57.07
Main02	6079.625	2 YR	256.09	256.02	0.07	0.59	0.01	0.00	2.57	1.00	33.25
Main02	6079.625	5 YR	256.27	256.20	0.07	0.63	0.00	0.04	4.61	3.47	37.63
Main02	6079.625	10 YR	256.37	256.28	0.09	0.53	0.01	0.09	6.26	5.38	38.15
Main02	6079.625	25 YR	256.50	256.40	0.10	0.26	0.02	0.17	8.26	8.08	38.93
Main02	6079.625	50 YR	256.71	256.64	0.06	0.12	0.01	0.35	9.25	10.53	40.22
Main02	6079.625	100 YR	256.68	256.57	0.12	0.31	0.02	0.37	11.31	12.43	39.85
Main02	6079.625	Regional	257.29	257.10	0.19	0.37	0.03	1.65	24.50	31.78	42.20
Main02	5986.455	2 YR	255.49	255.47	0.02	0.46	0.00	0.39	0.78	2.41	27.05
Main02	5986.455	5 YR	255.64	255.59	0.06	0.31	0.01	1.08	1.71	5.34	30.37
Main02	5986.455	10 YR	255.83	255.78	0.05	0.11	0.01	2.05	2.32	7.36	35.67
Main02	5986.455	25 YR	256.21	256.19	0.03	0.05	0.01	4.39	2.85	9.26	44.55
Main02	5986.455	50 YR	256.57	256.55	0.02	0.03	0.00	6.56	3.17	10.41	50.29
Main02	5986.455	100 YR	256.36	256.31	0.04	0.07	0.01	6.96	4.03	13.12	46.76
Main02	5986.455	Regional	256.88	256.79	0.09	0.14	0.01	20.87	8.59	28.47	52.09
Main02	5908.923	2 YR	255.02	254.99	0.04	0.17	0.01	1.70	0.65	1.23	27.60
Main02	5908.923	5 YR	255.33	255.30	0.03	0.10	0.01	3.56	1.16	3.40	37.88
Main02	5908.923	10 YR	255.70	255.69	0.01	0.04	0.00	5.61	1.41	4.71	44.30
Main02	5908.923	25 YR	256.16	256.15	0.01	0.02	0.00	8.36	1.79	6.36	51.87
Main02	5908.923	50 YR	256.54	256.53	0.01	0.01	0.00	10.75	2.01	7.38	55.07
Main02	5908.923	100 YR	256.28	256.26	0.02	0.03	0.00	12.36	2.56	9.19	53.52
Main02	5908.923	Regional	256.73	256.68	0.05	0.07	0.01	31.41	5.64	20.88	55.92
Main02	5837.716	2 YR	254.84	254.84	0.01	0.26	0.01	0.22	0.48	2.88	27.62
Main02	5837.716	5 YR	255.22	255.21	0.01	0.08	0.00	0.87	1.03	6.22	38.96
Main02	5837.716	10 YR	255.66	255.66	0.01	0.03	0.00	1.83	1.31	8.58	54.92
Main02	5837.716	25 YR	256.14	256.14	0.00	0.02	0.00	2.95	1.54	12.02	62.55
Main02	5837.716	50 YR	256.53	256.53	0.00	0.01	0.00	3.76	1.68	14.70	67.61
Main02	5837.716	100 YR	256.25	256.24	0.01	0.03	0.00	4.37	2.17	17.57	63.83
Main02	5837.716	Regional	256.65	256.63	0.02	0.07	0.00	10.91	4.73	42.28	69.15
Main02	5734.209	2 YR	254.57	254.49	0.08	0.10	0.02		3.24	0.34	14.27
Main02	5734.209	5 YR	255.14	255.12	0.01	0.02	0.00	0.24	5.30	2.58	32.02

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	5734.209	10 YR	255.64	255.63	0.01	0.01	0.00	0.84	6.31	4.57	41.97
Main02	5734.209	25 YR	256.13	256.12	0.01	0.00	0.00	2.07	7.84	6.60	54.27
Main02	5734.209	50 YR	256.52	256.51	0.00	0.00	0.00	3.26	8.71	8.17	65.81
Main02	5734.209	100 YR	256.22	256.21	0.01	0.01	0.00	3.26	11.19	9.66	56.48
Main02	5734.209	Regional	256.58	256.54	0.04	0.03	0.01	9.50	24.91	23.52	66.86
Main02	5649.413	2 YR	254.45	254.44	0.01	0.06	0.03	0.76	2.19	0.63	22.51
Main02	5649.413	5 YR	255.11	255.11	0.01	0.03	0.05	1.14	3.02	3.96	44.72
Main02	5649.413	10 YR	255.63	255.62	0.00	0.01	0.05	2.66	3.03	6.04	69.84
Main02	5649.413	25 YR	256.12	256.12	0.00	0.01	0.09	5.49	3.18	7.83	85.92
Main02	5649.413	50 YR	256.51	256.51	0.00	0.01	0.10	8.00	3.23	8.92	111.23
Main02	5649.413	100 YR	256.21	256.20	0.00	0.01	0.02	8.41	4.46	11.24	88.80
Main02	5649.413	Regional	256.55	256.53	0.01	0.04	0.02	25.16	10.01	22.76	113.81
Main02	5605.709	2 YR	254.35	254.02	0.33				4.00		17.47
Main02	5605.709	5 YR	255.03	254.48	0.55				8.90		39.92
Main02	5605.709	10 YR	255.57	255.10	0.46				12.78		81.47
Main02	5605.709	25 YR	256.02	255.13	0.89				18.01		83.54
Main02	5605.709	50 YR	256.41	255.39	1.02				22.08		89.99
Main02	5605.709	100 YR	256.18	256.01	0.17			6.63	15.91	4.09	94.93
Main02	5605.709	Regional	256.49	256.31	0.18			26.91	23.61	16.75	97.72
Main02	5592.374		Culvert								
Main02	5579.326	2 YR	254.05	253.82	0.23	0.46	0.13		3.87	0.13	20.35
Main02	5579.326	5 YR	254.66	254.16	0.50	0.41	0.35		8.59	0.31	28.99
Main02	5579.326	10 YR	255.07	254.43	0.64	0.37	0.46		12.33	0.45	35.65
Main02	5579.326	25 YR	255.56	254.76	0.80	0.34	0.58		17.37	0.64	44.51
Main02	5579.326	50 YR	255.91	255.00	0.92	0.32	0.67		21.29	0.79	50.26
Main02	5579.326	100 YR	255.27	255.25	0.01	0.05	0.05	6.87	5.34	14.43	60.10
Main02	5579.326	Regional	255.34	255.25	0.08	0.21	0.03	17.35	13.48	36.44	60.10
Main02	5555.792	2 YR	253.46	253.39	0.07	0.27	0.01	2.18	0.83	0.99	23.01
Main02	5555.792	5 YR	253.64	253.58	0.06	0.24	0.00	4.82	1.33	2.75	27.88
Main02	5555.792	10 YR	253.75	253.69	0.07	0.24	0.00	6.83	1.72	4.24	30.47
Main02	5555.792	25 YR	253.89	253.81	0.08	0.24	0.00	9.49	2.22	6.30	33.55
Main02	5555.792	50 YR	253.97	253.89	0.08	0.24	0.00	11.59	2.59	7.91	35.35
Main02	5555.792	100 YR	254.06	253.97	0.09	0.24	0.00	13.91	2.99	9.74	37.15
Main02	5555.792	Regional	254.62	254.48	0.14	0.25	0.00	34.04	6.14	27.09	49.00
Main02	5531.909	2 YR	253.17	253.14	0.03	0.37	0.00	0.88	1.51	1.61	20.37
Main02	5531.909	5 YR	253.40	253.35	0.05	0.41	0.00	2.37	2.71	3.81	27.48
Main02	5531.909	10 YR	253.52	253.46	0.06	0.43	0.00	3.57	3.53	5.68	30.89
Main02	5531.909	25 YR	253.65	253.58	0.07	0.44	0.00	5.24	4.54	8.23	34.86
Main02	5531.909	50 YR	253.74	253.66	0.08	0.45	0.00	6.49	5.21	10.39	36.70
Main02	5531.909	100 YR	253.82	253.74	0.09	0.45	0.00	7.88	5.91	12.85	38.34
Main02	5531.909	Regional	254.37	254.22	0.15	0.47	0.01	21.31	11.38	34.59	48.53
Main02	5485.250	2 YR	252.80	252.76	0.04	0.36	0.01	0.55	1.03	2.43	30.26
Main02	5485.250	5 YR	252.98	252.93	0.05	0.40	0.01	1.43	1.79	5.67	38.54
Main02	5485.250	10 YR	253.09	253.03	0.06	0.43	0.01	2.27	2.30	8.21	42.69
Main02	5485.250	25 YR	253.21	253.14	0.07	0.47	0.01	3.39	2.89	11.72	46.91
Main02	5485.250	50 YR	253.29	253.22	0.07	0.50	0.01	4.27	3.32	14.49	49.48
Main02	5485.250	100 YR	253.37	253.29	0.08	0.54	0.01	5.25	3.79	17.60	52.01
Main02	5485.250	Regional	253.89	253.78	0.11	0.74	0.01	13.76	7.05	46.46	64.45
Main02	5440.642	2 YR	252.43	252.42	0.01	0.36	0.00	1.13	0.55	2.32	48.15
Main02	5440.642	5 YR	252.57	252.55	0.02	0.35	0.00	2.56	0.99	5.35	54.46
Main02	5440.642	10 YR	252.65	252.62	0.03	0.34	0.00	3.80	1.30	7.67	57.19
Main02	5440.642	25 YR	252.73	252.69	0.04	0.34	0.01	5.59	1.71	10.71	58.93
Main02	5440.642	50 YR	252.78	252.73	0.05	0.34	0.01	6.98	2.02	13.08	59.90
Main02	5440.642	100 YR	252.82	252.76	0.06	0.34	0.01	8.53	2.37	15.74	60.76
Main02	5440.642	Regional	253.14	252.94	0.19	0.30	0.05	22.48	5.35	39.44	64.97
Main02	5374.723	2 YR	252.08	252.06	0.02	0.35	0.01	1.99	0.61	1.40	41.95
Main02	5374.723	5 YR	252.22	252.19	0.03	0.37	0.01	4.42	0.98	3.50	81.43
Main02	5374.723	10 YR	252.30	252.27	0.02	0.38	0.01	5.90	1.15	5.73	125.01
Main02	5374.723	25 YR	252.37	252.35	0.02	0.39	0.00	7.42	1.31	9.28	171.74
Main02	5374.723	50 YR	252.42	252.40	0.02	0.39	0.00	8.38	1.40	12.30	187.88
Main02	5374.723	100 YR	252.47	252.45	0.02	0.39	0.00	9.38	1.48	15.78	206.54
Main02	5374.723	Regional	252.78	252.77	0.01	0.31	0.00	15.25	2.00	50.01	294.03

HEC-RAS Plan: Existing (Continued)

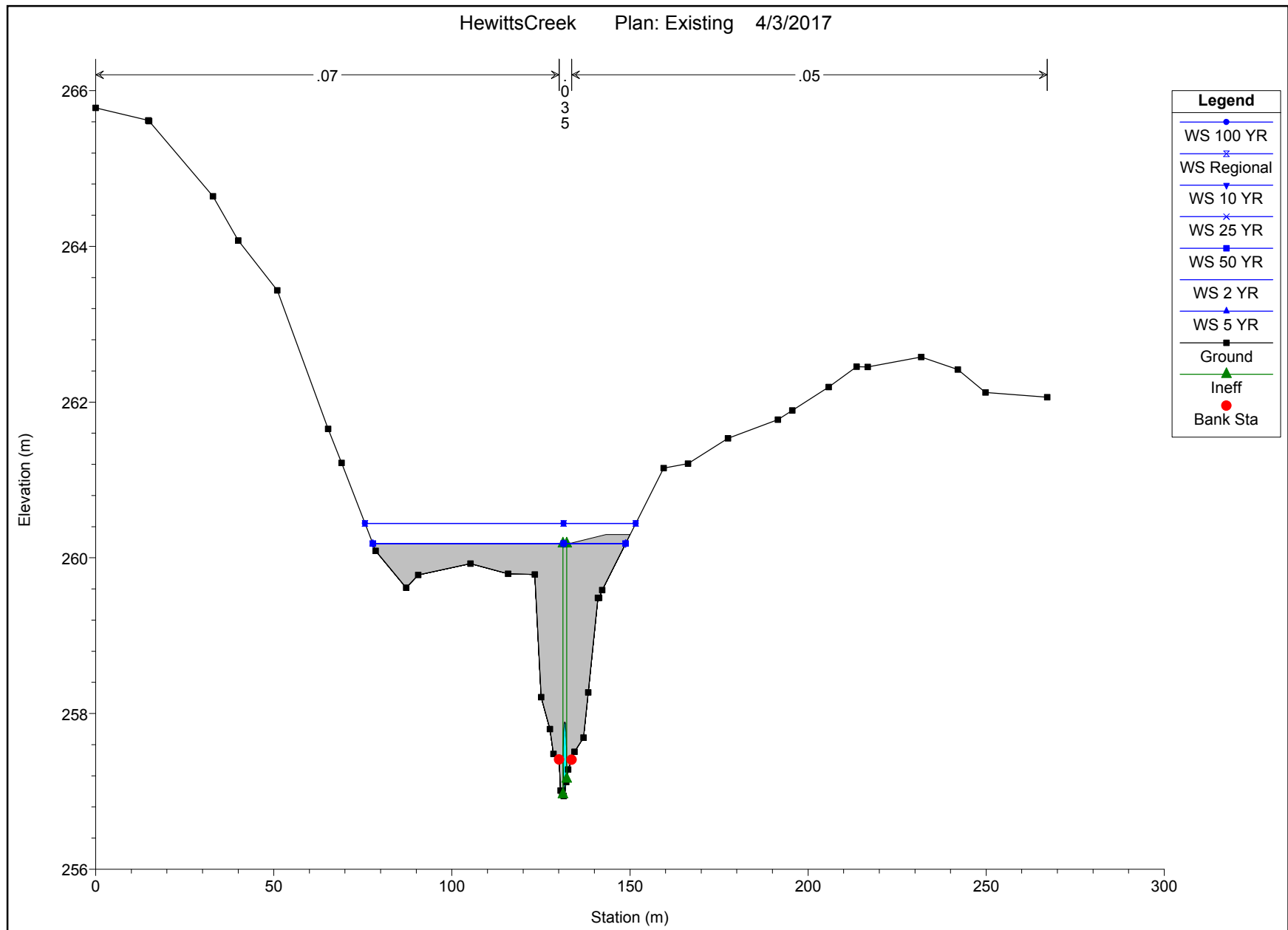
Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	5225.538	2 YR	251.73	251.72	0.00	0.20	0.00	0.99	0.29	2.73	133.12
Main02	5225.538	5 YR	251.84	251.84	0.00	0.22	0.00	2.60	0.48	5.82	139.41
Main02	5225.538	10 YR	251.91	251.90	0.00	0.22	0.00	3.91	0.63	8.25	142.53
Main02	5225.538	25 YR	251.98	251.97	0.01	0.22	0.00	5.71	0.81	11.49	145.45
Main02	5225.538	50 YR	252.03	252.02	0.01	0.22	0.00	7.17	0.95	13.96	147.71
Main02	5225.538	100 YR	252.08	252.07	0.01	0.22	0.00	8.87	1.11	16.66	152.25
Main02	5225.538	Regional	252.48	252.46	0.01	0.14	0.00	23.23	2.25	41.79	165.93
Trib2	806.489	2 YR	261.19	261.18	0.01	0.81	0.01	0.95	0.57	1.20	24.56
Trib2	806.489	5 YR	261.33	261.31	0.02	0.82	0.01	1.92	1.07	2.36	26.84
Trib2	806.489	10 YR	261.39	261.35	0.03	0.71	0.00	2.89	1.58	3.53	27.57
Trib2	806.489	25 YR	261.46	261.41	0.05	0.56	0.00	4.04	2.14	4.84	28.61
Trib2	806.489	50 YR	261.53	261.48	0.05	0.34	0.01	5.02	2.56	5.88	29.77
Trib2	806.489	100 YR	261.65	261.60	0.06	0.56	0.00	6.76	3.20	7.48	31.30
Trib2	806.489	Regional	261.65	261.60	0.06	0.56	0.00	6.76	3.20	7.48	31.30
Trib2	655.93	2 YR	260.38	260.29	0.08	0.06	0.02	1.24	1.21	0.28	17.88
Trib2	655.93	5 YR	260.51	260.39	0.11	0.20	0.00	2.76	1.93	0.66	19.41
Trib2	655.93	10 YR	260.68	260.63	0.05	0.31	0.02	4.40	2.21	1.40	22.43
Trib2	655.93	25 YR	260.90	260.86	0.04	0.43	0.07	6.07	2.64	2.31	24.98
Trib2	655.93	50 YR	261.19	261.16	0.03	0.32	0.12	7.32	2.84	3.29	28.36
Trib2	655.93	100 YR	261.09	261.03	0.06	0.50	0.01	9.55	3.86	4.03	26.93
Trib2	655.93	Regional	261.09	261.03	0.06	0.50	0.01	9.55	3.86	4.03	26.93
Trib2	558.89	2 YR	260.21	260.18	0.03				2.73		70.90
Trib2	558.89	5 YR	260.29	260.17	0.12				5.35		70.76
Trib2	558.89	10 YR	260.35	260.06	0.29				8.00		68.20
Trib2	558.89	25 YR	260.41	259.68	0.72				11.02		22.40
Trib2	558.89	50 YR	260.74	259.50	1.25				13.46		17.83
Trib2	558.89	100 YR	260.58	260.44	0.14			5.50	9.68	2.27	75.98
Trib2	558.89	Regional	260.58	260.44	0.14			5.50	9.68	2.27	75.98
Trib2	550		Culvert								
Trib2	538.87	2 YR	257.99	257.62	0.37	1.32	0.23		2.73		9.99
Trib2	538.87	5 YR	258.71	258.03	0.67	1.41	0.46		5.35		13.17
Trib2	538.87	10 YR	259.32	258.45	0.88	1.36	0.60		8.00		18.81
Trib2	538.87	25 YR	259.95	258.86	1.09	1.32	0.75		11.02		27.01
Trib2	538.87	50 YR	259.02	258.99	0.02	0.10	0.06	2.38	6.89	4.19	29.72
Trib2	538.87	100 YR	259.03	258.99	0.04	0.16	0.06	3.09	8.93	5.43	29.72
Trib2	538.87	Regional	259.03	258.99	0.04	0.16	0.06	3.09	8.93	5.43	29.72
Trib2	438.257	2 YR	256.44	256.36	0.08	0.93	0.02	1.31	1.15	0.27	19.09
Trib2	438.257	5 YR	256.57	256.46	0.11	0.91	0.03	2.83	1.85	0.67	23.88
Trib2	438.257	10 YR	256.66	256.53	0.13	0.89	0.03	4.40	2.48	1.12	26.73
Trib2	438.257	25 YR	256.75	256.60	0.15	2.24	0.03	6.23	3.11	1.68	29.59
Trib2	438.257	50 YR	256.82	256.69	0.13	3.09	0.00	7.78	3.44	2.24	33.23
Trib2	438.257	100 YR	256.90	256.76	0.15	3.11	0.00	10.22	4.16	3.06	35.99
Trib2	438.257	Regional	256.90	256.76	0.15	3.11	0.00	10.22	4.16	3.06	35.99
Trib2	222.342	2 YR	253.54	253.53	0.01	2.36	0.00	0.61	0.46	1.66	35.75
Trib2	222.342	5 YR	253.67	253.65	0.01	2.42	0.00	1.45	0.79	3.12	44.57
Trib2	222.342	10 YR	253.76	253.75	0.02	2.48	0.00	2.32	1.06	4.61	49.85
Trib2	222.342	25 YR	253.72	253.66	0.06	2.33	0.01	3.00	1.61	6.41	45.01
Trib2	222.342	50 YR	253.73	253.61	0.13	1.47	0.04	3.47	2.11	7.88	42.07
Trib2	222.342	100 YR	253.80	253.66	0.14	0.88	0.04	4.75	2.55	10.15	45.06
Trib2	222.342	Regional	253.80	253.66	0.14	0.17	0.04	4.75	2.55	10.15	45.06
Junction 2	4844.722	2 YR	251.18	251.15	0.03	0.14	0.01	1.85	0.90	1.97	154.83
Junction 2	4844.722	5 YR	251.24	251.20	0.04	0.09	0.01	3.93	1.44	4.86	179.61
Junction 2	4844.722	10 YR	251.27	251.22	0.05	0.08	0.02	5.48	1.92	7.18	188.22
Junction 2	4844.722	25 YR	251.38	251.36	0.02	0.06	0.00	7.08	1.93	11.46	287.79
Junction 2	4844.722	50 YR	251.47	251.47	0.01	0.05	0.00	10.11	1.86	13.06	310.91
Junction 2	4844.722	100 YR	251.58	251.57	0.01	0.05	0.00	13.02	1.91	15.26	320.74
Junction 2	4844.722	Regional	252.21	252.21	0.00	0.04	0.00	37.95	3.43	36.91	366.13
Junction 2	4683.631	2 YR	250.79	250.79	0.00	0.11	0.01	3.46	0.20	1.05	278.30
Junction 2	4683.631	5 YR	251.01	251.01	0.00	0.07	0.01	7.77	0.35	2.11	295.01
Junction 2	4683.631	10 YR	251.15	251.15	0.00	0.06	0.01	11.16	0.46	2.96	305.89
Junction 2	4683.631	25 YR	251.31	251.31	0.00	0.05	0.01	15.69	0.61	4.18	320.15
Junction 2	4683.631	50 YR	251.42	251.42	0.00	0.05	0.01	19.17	0.73	5.13	327.15
Junction 2	4683.631	100 YR	251.53	251.53	0.00	0.05	0.01	23.09	0.85	6.25	334.40

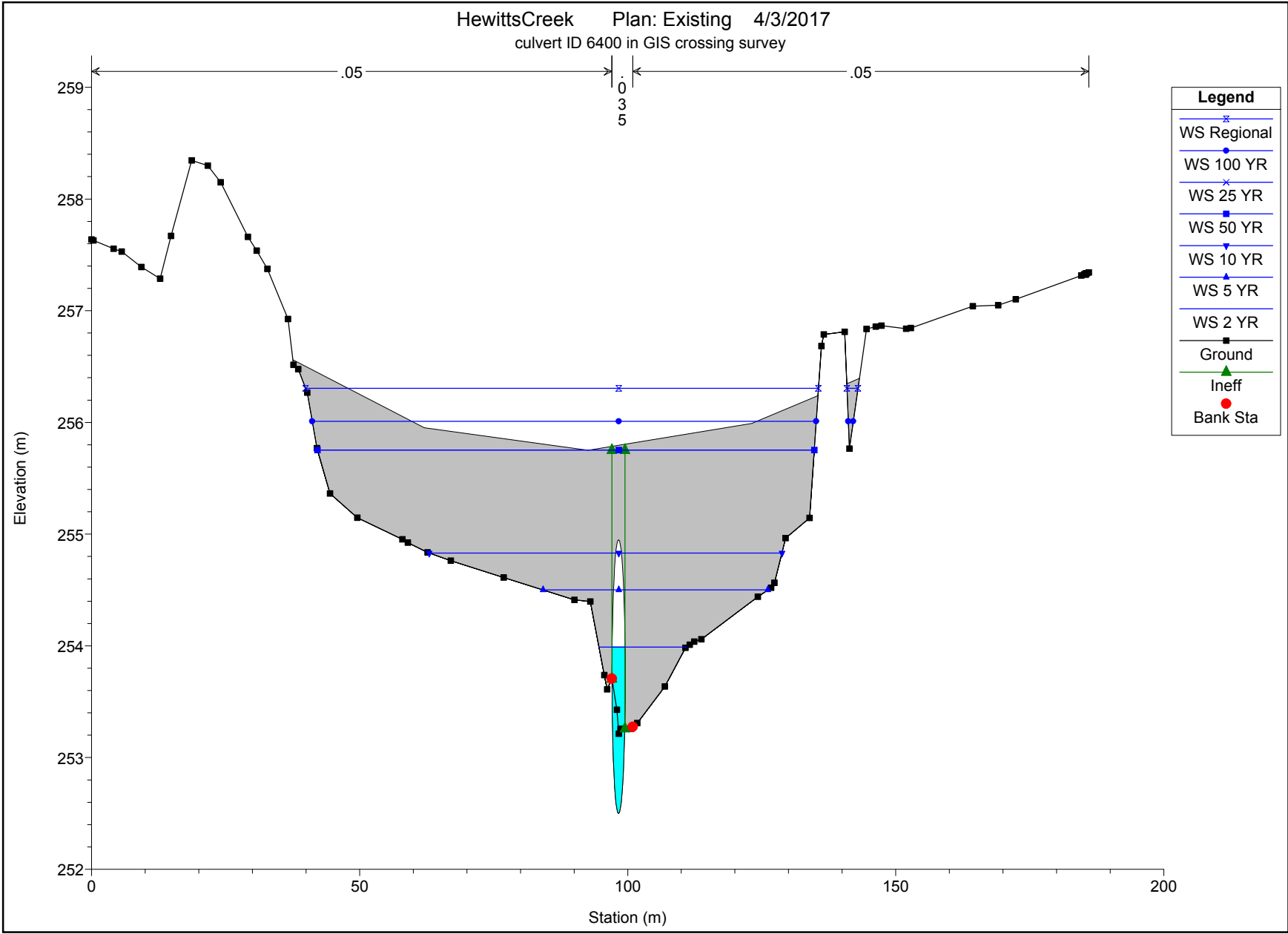
HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Junction 2	4683.631	Regional	252.17	252.17	0.00	0.06	0.01	57.24	2.02	19.03	395.84
Junction 2	4460.270	2 YR	250.67	250.60	0.07	0.59	0.00	2.28	1.78	0.66	27.90
Junction 2	4460.270	5 YR	250.93	250.86	0.07	0.60	0.00	5.60	2.94	1.69	40.47
Junction 2	4460.270	10 YR	251.09	251.01	0.08	0.59	0.00	8.34	3.69	2.55	47.66
Junction 2	4460.270	25 YR	251.25	251.17	0.08	0.59	0.00	12.16	4.58	3.73	55.40
Junction 2	4460.270	50 YR	251.36	251.28	0.08	0.59	0.01	15.17	5.20	4.66	60.48
Junction 2	4460.270	100 YR	251.47	251.39	0.08	0.59	0.01	18.63	5.84	5.71	65.89
Junction 2	4460.270	Regional	252.11	252.01	0.10	0.58	0.01	52.48	10.45	15.36	87.65
Junction 2	4376.181	2 YR	250.07	250.01	0.06	0.47	0.01	2.17	1.81	0.74	24.12
Junction 2	4376.181	5 YR	250.34	250.25	0.09	0.53	0.01	5.11	3.25	1.87	33.01
Junction 2	4376.181	10 YR	250.49	250.39	0.11	0.55	0.01	7.58	4.18	2.82	38.13
Junction 2	4376.181	25 YR	250.65	250.53	0.12	0.58	0.01	11.03	5.31	4.13	43.63
Junction 2	4376.181	50 YR	250.76	250.62	0.13	0.59	0.02	13.75	6.13	5.15	47.00
Junction 2	4376.181	100 YR	250.86	250.71	0.15	0.60	0.02	16.88	6.99	6.32	50.16
Junction 2	4376.181	Regional	251.51	251.32	0.19	0.09	0.05	48.49	12.87	16.93	62.57
Junction 2	4285.937	2 YR	249.59	249.56	0.04	0.36	0.01	1.36	1.06	2.31	26.05
Junction 2	4285.937	5 YR	249.80	249.75	0.05	0.36	0.01	3.23	1.90	5.10	33.13
Junction 2	4285.937	10 YR	249.93	249.87	0.06	0.37	0.01	4.93	2.54	7.11	38.73
Junction 2	4285.937	25 YR	250.06	249.99	0.07	0.38	0.02	7.40	3.32	9.76	45.49
Junction 2	4285.937	50 YR	250.15	250.07	0.08	0.39	0.02	9.31	3.84	11.88	49.64
Junction 2	4285.937	100 YR	250.24	250.16	0.08	0.38	0.02	11.44	4.37	14.38	53.86
Junction 2	4285.937	Regional	251.36	251.35	0.01	0.04	0.00	19.08	3.93	55.28	204.76
Junction 2	4043.362	2 YR	249.22	249.21	0.01	0.64	0.01	2.30	1.33	1.09	59.92
Junction 2	4043.362	5 YR	249.43	249.41	0.01	0.68	0.01	5.30	2.27	2.65	70.20
Junction 2	4043.362	10 YR	249.54	249.53	0.02	0.70	0.01	7.61	2.93	4.04	75.79
Junction 2	4043.362	25 YR	249.67	249.65	0.02	0.72	0.01	10.53	3.72	6.23	79.23
Junction 2	4043.362	50 YR	249.75	249.73	0.02	0.74	0.02	12.79	4.29	7.96	81.57
Junction 2	4043.362	100 YR	249.84	249.81	0.03	0.75	0.02	15.34	4.91	9.94	84.05
Junction 2	4043.362	Regional	251.32	251.30	0.01	0.04	0.00	39.23	8.62	30.43	198.55
Junction 2	3891.055	2 YR	248.59	248.52	0.07	1.72	0.02	0.12	0.60	4.00	28.33
Junction 2	3891.055	5 YR	248.74	248.62	0.12	1.20	0.03	0.40	1.17	8.66	33.97
Junction 2	3891.055	10 YR	248.83	248.69	0.14	0.91	0.04	0.69	1.58	12.31	37.71
Junction 2	3891.055	25 YR	248.93	248.76	0.16	0.28	0.05	1.17	2.07	17.23	40.32
Junction 2	3891.055	50 YR	248.99	248.81	0.18	0.21	0.05	1.57	2.44	21.01	41.67
Junction 2	3891.055	100 YR	249.07	248.86	0.20	0.24	0.06	2.05	2.85	25.29	43.13
Junction 2	3891.055	Regional	251.27	251.27	0.01	0.01	0.00	11.51	3.68	63.10	315.22
Junction 2	3593.722	2 YR	246.86	246.84	0.02	0.72	0.02	2.60	1.30	0.82	28.56
Junction 2	3593.722	5 YR	247.14	247.12	0.02	0.48	0.04	5.83	2.39	2.01	37.16
Junction 2	3593.722	10 YR	247.35	247.33	0.02	0.34	0.04	8.58	3.09	2.91	42.73
Junction 2	3593.722	25 YR	247.90	247.89	0.01	0.09	0.02	13.16	3.53	3.79	55.15
Junction 2	3593.722	50 YR	248.18	248.17	0.01	0.07	0.03	16.60	4.04	4.38	64.50
Junction 2	3593.722	100 YR	248.29	248.28	0.01	0.09	0.05	20.11	4.74	5.34	68.28
Junction 2	3593.722	Regional	251.27	251.27	0.00	0.00	0.31	56.52	3.99	17.78	607.78
Junction 2	3445.696	2 YR	246.11	245.85	0.26			0.88	2.39	2.08	20.06
Junction 2	3445.696	5 YR	246.62	246.19	0.43			1.80	5.22	4.50	44.25
Junction 2	3445.696	10 YR	246.97	246.54	0.43			2.49	7.48	6.42	53.82
Junction 2	3445.696	25 YR	247.78	247.53	0.25			3.41	10.59	9.04	77.23
Junction 2	3445.696	50 YR	248.07	247.76	0.32			4.18	13.06	11.14	89.42
Junction 2	3445.696	100 YR	248.15	247.63	0.52			5.08	15.81	13.50	85.98
Junction 2	3445.696	Regional	250.96	247.88	3.08			13.70	42.84	36.55	91.72
Junction 2	3430.690		Culvert								
Junction 2	3408.654	2 YR	246.00	245.87	0.13	0.23	0.06	0.14	4.75	0.47	13.19
Junction 2	3408.654	5 YR	246.45	246.15	0.30	0.31	0.17	0.31	10.19	1.01	19.83
Junction 2	3408.654	10 YR	246.76	246.30	0.46	0.35	0.28	0.45	14.49	1.45	25.07
Junction 2	3408.654	25 YR	247.15	246.50	0.66	0.38	0.43	0.65	20.35	2.04	30.53
Junction 2	3408.654	50 YR	247.45	246.69	0.75	0.37	0.50	0.81	25.06	2.52	43.44
Junction 2	3408.654	100 YR	247.76	246.90	0.86	0.37	0.57	0.99	30.34	3.06	62.42
Junction 2	3408.654	Regional	247.58	247.45	0.13	0.25	0.08	31.07	25.23	36.79	105.10
Junction 2	3370.597	2 YR	245.70	245.65	0.06	0.66	0.01	3.10	1.79	0.46	16.41
Junction 2	3370.597	5 YR	245.97	245.88	0.09	0.65	0.01	7.03	3.14	1.35	21.06
Junction 2	3370.597	10 YR	246.12	246.02	0.10	0.66	0.01	10.19	4.03	2.17	23.92
Junction 2	3370.597	25 YR	246.30	246.18	0.12	0.66	0.01	14.57	5.10	3.37	27.19

HEC-RAS Plan: Existing (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Junction 2	3370.597	50 YR	246.43	246.30	0.13	0.67	0.02	18.18	5.87	4.33	29.94
Junction 2	3370.597	100 YR	246.54	246.40	0.14	0.67	0.02	22.20	6.73	5.46	32.18
Junction 2	3370.597	Regional	247.25	246.99	0.26	0.44	0.02	60.80	13.77	18.52	47.48
Junction 2	3285.540	2 YR	245.02	244.84	0.18	0.32	0.05	1.85	3.19	0.32	11.74
Junction 2	3285.540	5 YR	245.30	245.10	0.20	0.32	0.05	5.10	5.50	0.91	18.92
Junction 2	3285.540	10 YR	245.45	245.22	0.23	0.33	0.06	7.96	7.05	1.38	20.95
Junction 2	3285.540	25 YR	245.61	245.35	0.27	0.33	0.07	12.00	8.98	2.06	23.21
Junction 2	3285.540	50 YR	245.73	245.43	0.31	0.35	0.08	15.28	10.49	2.62	24.59
Junction 2	3285.540	100 YR	245.85	245.53	0.32	0.36	0.08	19.10	11.96	3.32	26.90
Junction 2	3285.540	Regional	246.78	246.60	0.19	0.28	0.04	61.34	19.94	11.81	55.41
Junction 2	3129.259	2 YR	244.30	244.28	0.02	0.35	0.01	0.76	2.47	2.12	36.77
Junction 2	3129.259	5 YR	244.66	244.63	0.02	0.40	0.02	1.97	4.44	5.11	48.62
Junction 2	3129.259	10 YR	244.87	244.84	0.03	0.42	0.02	3.04	5.78	7.57	55.47
Junction 2	3129.259	25 YR	245.11	245.07	0.03	0.44	0.03	4.59	7.41	11.04	63.31
Junction 2	3129.259	50 YR	245.25	245.22	0.04	0.44	0.03	5.89	8.70	13.80	68.57
Junction 2	3129.259	100 YR	245.40	245.36	0.04	0.40	0.02	7.40	10.06	16.93	74.28
Junction 2	3129.259	Regional	246.47	246.41	0.06	0.51	0.05	16.76	21.51	54.82	180.66
Junction 2	2938.530	2 YR	243.94	243.84	0.10	1.19	0.03	2.03	2.94	0.38	51.14
Junction 2	2938.530	5 YR	244.25	244.06	0.19	1.29	0.05	4.39	5.93	1.19	68.69
Junction 2	2938.530	10 YR	244.43	244.19	0.24	1.37	0.07	6.34	8.04	2.01	72.24
Junction 2	2938.530	25 YR	244.64	244.31	0.33	1.43	0.09	9.09	10.86	3.09	75.36
Junction 2	2938.530	50 YR	244.79	244.47	0.31	1.56	0.09	11.56	12.70	4.13	79.75
Junction 2	2938.530	100 YR	244.98	244.73	0.25	1.82	0.06	14.76	14.29	5.34	86.90
Junction 2	2938.530	Regional	245.90	245.29	0.61	1.04	0.17	44.75	33.45	14.89	100.87





Proposed Conditions

HEC-RAS Plan: Poten- Fut-Regu

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	10601.45	2 YR	269.94	269.93	0.01	0.10	0.00	0.02	0.71	0.11	97.07
Main02	10601.45	5 YR	270.12	270.12	0.00	0.04	0.00	0.04	0.63	1.12	122.36
Main02	10601.45	10 YR	270.26	270.26	0.00	0.02	0.00	0.11	0.63	1.83	174.01
Main02	10601.45	25 YR	270.42	270.42	0.00	0.01	0.00	0.52	0.64	2.55	216.72
Main02	10601.45	50 YR	270.54	270.54	0.00	0.01	0.00	0.89	0.66	3.10	251.88
Main02	10601.45	100 Yr	270.64	270.64	0.00	0.01	0.01	1.37	0.69	3.62	285.73
Main02	10601.45	Regulatory	270.79	270.79	0.00	0.03	0.00	7.85	2.49	14.41	334.53
Main02	10498.81	2 YR	269.84	269.82	0.01	0.21	0.00		0.82	0.01	4.47
Main02	10498.81	5 YR	270.08	270.06	0.02	0.28	0.01	0.00	1.75	0.04	5.87
Main02	10498.81	10 YR	270.23	270.20	0.03	0.30	0.02	0.03	2.47	0.07	6.72
Main02	10498.81	25 YR	270.40	270.36	0.04	0.31	0.02	0.08	3.49	0.14	7.67
Main02	10498.81	50 YR	270.52	270.47	0.05	0.32	0.02	0.16	4.29	0.20	8.96
Main02	10498.81	100 Yr	270.62	270.57	0.05	0.32	0.02	0.38	5.03	0.27	46.51
Main02	10498.81	Regulatory	270.76	270.75	0.01	0.07	0.00	1.79	3.90	19.07	299.38
Main02	10395.52	2 YR	269.62	269.58	0.05	0.89	0.01		0.72	0.11	3.03
Main02	10395.52	5 YR	269.79	269.67	0.13	0.89	0.03		1.51	0.28	3.47
Main02	10395.52	10 YR	269.92	269.72	0.20	0.24	0.06		2.12	0.45	3.72
Main02	10395.52	25 YR	270.07	269.85	0.22	0.07	0.07		2.93	0.78	4.32
Main02	10395.52	50 YR	270.18	269.93	0.24	0.03	0.07		3.57	1.08	4.74
Main02	10395.52	100 Yr	270.28	270.01	0.27	0.02	0.08		4.26	1.42	5.13
Main02	10395.52	Regulatory	270.68	270.67	0.01	0.07	0.00	0.95	3.38	20.43	233.10
Main02	10298.42	2 YR	268.73	268.61	0.12	0.03	0.03		0.83		2.40
Main02	10298.42	5 YR	268.87	268.84	0.03	0.01	0.01	0.58	1.21		64.30
Main02	10298.42	10 YR	268.97	268.97	0.00	0.00	0.00	1.91	0.66	0.00	102.56
Main02	10298.42	25 YR	269.14	269.14	0.00	0.00	0.00	3.17	0.53	0.00	137.23
Main02	10298.42	50 YR	269.28	269.28	0.00	0.00	0.00	4.15	0.50	0.01	159.19
Main02	10298.42	100 Yr	269.46	269.46	0.00	0.00	0.00	5.18	0.48	0.02	193.42
Main02	10298.42	Regulatory	269.66	269.66	0.00	0.01	0.00	22.77	1.88	0.11	281.26
Main02	10258.60	2 YR	268.61	268.61	0.00	0.03	0.01	0.29	0.36	0.19	99.08
Main02	10258.60	5 YR	268.83	268.83	0.00	0.01	0.02	1.04	0.26	0.49	174.78
Main02	10258.60	10 YR	268.97	268.97	0.00	0.00	0.02	1.60	0.26	0.71	205.44
Main02	10258.60	25 YR	269.14	269.14	0.00	0.00	0.02	2.25	0.31	1.16	292.37
Main02	10258.60	50 YR	269.28	269.28	0.00	0.00	0.01	2.98	0.31	1.37	333.01
Main02	10258.60	100 Yr	269.46	269.46	0.00	0.00	0.00	3.81	0.30	1.57	372.15
Main02	10258.60	Regulatory	269.66	269.66	0.00	0.00	0.00	17.01	1.14	6.61	387.02
Main02	10206.26	2 YR	268.56	268.42	0.14				0.83		157.47
Main02	10206.26	5 YR	268.80	268.62	0.19				1.79		198.03
Main02	10206.26	10 YR	268.95	268.73	0.21				2.57		215.76
Main02	10206.26	25 YR	269.11	268.88	0.24			0.01	3.70		286.64
Main02	10206.26	50 YR	269.27	269.20	0.07			0.94	3.71		328.48
Main02	10206.26	100 Yr	269.46	269.46	0.00			4.11	0.75	0.83	353.24
Main02	10206.26	Regulatory	269.65	269.65	0.00			18.79	1.97	4.00	355.75
Main02	10191.24		Culvert								
Main02	10177.09	2 YR	268.19	268.14	0.05	0.06	0.03		0.83		5.34
Main02	10177.09	5 YR	268.42	268.38	0.04	0.07	0.02		1.79		7.39
Main02	10177.09	10 YR	268.56	268.52	0.04	0.07	0.02		2.57		28.21
Main02	10177.09	25 YR	268.73	268.68	0.04	0.07	0.02		3.71		116.17
Main02	10177.09	50 YR	268.84	268.79	0.05	0.08	0.02		4.65		173.88
Main02	10177.09	100 Yr	268.96	268.91	0.05	0.08	0.02		5.68		235.43
Main02	10177.09	Regulatory	269.65	269.65	0.00	0.03	0.01	15.05	5.35	4.36	307.69
Main02	10114.03	2 YR	268.09	268.09	0.00	0.05	0.00		0.83		5.18
Main02	10114.03	5 YR	268.33	268.32	0.01	0.08	0.00		1.79		6.10
Main02	10114.03	10 YR	268.47	268.46	0.01	0.09	0.00		2.57		6.66
Main02	10114.03	25 YR	268.63	268.62	0.02	0.10	0.01		3.71		7.29
Main02	10114.03	50 YR	268.74	268.72	0.02	0.11	0.01		4.65		7.70
Main02	10114.03	100 Yr	268.87	268.84	0.03	0.11	0.01	0.00	5.68		9.15
Main02	10114.03	Regulatory	269.61	269.59	0.02	0.10	0.01	10.58	12.64	1.54	165.28
Main02	10048.05	2 YR	268.04	268.01	0.03	1.02	0.01		0.88	0.10	4.34
Main02	10048.05	5 YR	268.24	268.19	0.05	0.96	0.00		1.81	0.31	5.57
Main02	10048.05	10 YR	268.37	268.32	0.06	0.93	0.01		2.53	0.52	6.38
Main02	10048.05	25 YR	268.53	268.46	0.07	0.90	0.01		3.55	0.85	7.31
Main02	10048.05	50 YR	268.62	268.54	0.08	0.86	0.00	0.00	4.40	1.11	7.86
Main02	10048.05	100 Yr	268.75	268.65	0.09	0.84	0.00	0.01	5.49	1.22	10.27
Main02	10048.05	Regulatory	269.51	269.37	0.14	0.74	0.00	3.11	15.22	10.42	59.84

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	9811.740	2 YR	267.00	266.91	0.10	0.27	0.02	0.02	0.89	0.07	3.08
Main02	9811.740	5 YR	267.28	267.19	0.10	0.40	0.01	0.15	1.64	0.33	4.71
Main02	9811.740	10 YR	267.44	267.33	0.11	0.38	0.01	0.29	2.18	0.59	5.54
Main02	9811.740	25 YR	267.62	267.50	0.12	0.36	0.01	0.52	2.87	1.00	6.54
Main02	9811.740	50 YR	267.76	267.64	0.12	0.35	0.00	0.76	3.36	1.39	7.39
Main02	9811.740	100 Yr	267.90	267.76	0.14	0.37	0.00	1.07	4.08	1.57	9.86
Main02	9811.740	Regulatory	268.77	268.60	0.17	0.58	0.01	3.73	9.55	15.48	36.92
Main02	9727.910	2 YR	266.71	266.68	0.03	0.00	0.01	0.10	0.78	0.10	4.18
Main02	9727.910	5 YR	266.87	266.80	0.07	1.15	0.00	0.26	1.59	0.27	4.79
Main02	9727.910	10 YR	267.05	266.97	0.08	1.20	0.01	0.46	2.10	0.49	5.69
Main02	9727.910	25 YR	267.25	267.16	0.09	1.24	0.01	0.79	2.76	0.85	6.69
Main02	9727.910	50 YR	267.40	267.29	0.11	1.28	0.02	1.14	3.43	0.94	9.39
Main02	9727.910	100 Yr	267.53	267.40	0.12	1.29	0.02	1.51	4.05	1.16	15.61
Main02	9727.910	Regulatory	268.18	267.92	0.26	0.00	0.08	5.12	10.15	13.48	39.38
Main02	9516.781	2 YR	266.70	266.70	0.00	0.00	0.00	0.60	0.12	0.26	378.63
Main02	9516.781	5 YR	265.72	265.61	0.11	0.58	0.02		1.97	0.15	4.04
Main02	9516.781	10 YR	265.84	265.67	0.17	0.52	0.04		2.80	0.25	4.37
Main02	9516.781	25 YR	266.00	265.76	0.23	0.23	0.07		3.98	0.42	4.83
Main02	9516.781	50 YR	266.11	265.84	0.27	0.06	0.08	0.00	4.92	0.58	5.24
Main02	9516.781	100 Yr	266.22	265.92	0.29	0.00	0.09	0.01	5.94	0.77	5.70
Main02	9516.781	Regulatory	267.81	267.81	0.00	0.00	0.00	21.97	0.85	5.94	584.33
Main02	9304.015	2 YR	266.70	266.70	0.00	0.00	0.00	0.86	0.02	0.10	854.34
Main02	9304.015	5 YR	265.12	265.09	0.03	0.23	0.00	0.31	1.68	0.14	6.24
Main02	9304.015	10 YR	265.28	265.26	0.02	0.23	0.00	0.92	1.90	0.24	112.60
Main02	9304.015	25 YR	265.41	265.41	0.00	0.15	0.00	2.89	1.30	0.21	257.58
Main02	9304.015	50 YR	265.57	265.57	0.00	0.04	0.00	4.67	0.75	0.09	387.28
Main02	9304.015	100 Yr	265.97	265.97	0.00	0.00	0.00	6.21	0.29	0.22	573.54
Main02	9304.015	Regulatory	267.81	267.81	0.00	0.00	0.00	24.50	0.25	4.01	1194.90
Main02	9155.321	2 YR	266.70	266.70	0.00	0.00	0.00	0.61	0.08	0.29	337.77
Main02	9155.321	5 YR	264.89	264.86	0.03	0.08	0.00		1.88	0.24	5.83
Main02	9155.321	10 YR	265.05	265.01	0.03	0.09	0.01		2.62	0.43	6.64
Main02	9155.321	25 YR	265.26	265.22	0.04	0.05	0.01		3.64	0.76	7.73
Main02	9155.321	50 YR	265.53	265.51	0.01	0.01	0.00	0.47	3.09	1.95	130.34
Main02	9155.321	100 Yr	265.96	265.96	0.00	0.00	0.00	3.21	1.23	2.29	214.38
Main02	9155.321	Regulatory	267.81	267.81	0.00	0.00	0.00	18.48	1.32	8.95	459.38
Main02	9067.059	2 YR	266.70	266.70	0.00	0.00	0.00	0.70	0.07	0.21	278.28
Main02	9067.059	5 YR	264.80	264.78	0.01	0.08	0.00		1.47	0.65	8.21
Main02	9067.059	10 YR	264.95	264.94	0.01	0.07	0.00	0.19	1.91	0.95	49.06
Main02	9067.059	25 YR	265.20	265.20	0.00	0.02	0.00	1.90	1.69	0.81	104.75
Main02	9067.059	50 YR	265.51	265.51	0.00	0.01	0.00	3.73	1.16	0.62	142.71
Main02	9067.059	100 Yr	265.96	265.96	0.00	0.00	0.00	5.11	0.83	0.78	216.92
Main02	9067.059	Regulatory	267.81	267.81	0.00	0.00	0.00	19.69	1.42	7.66	384.40
Main02	8968.988	2 YR	266.70	266.70	0.00	0.00	0.00	0.53	0.07	0.39	344.21
Main02	8968.988	5 YR	264.71	264.69	0.02	0.09	0.00	0.00	1.82	0.30	10.91
Main02	8968.988	10 YR	264.88	264.87	0.02	0.08	0.00	0.09	2.17	0.79	45.22
Main02	8968.988	25 YR	265.18	265.18	0.00	0.02	0.00	0.59	1.61	2.19	77.95
Main02	8968.988	50 YR	265.50	265.50	0.00	0.00	0.00	1.22	1.21	3.08	122.56
Main02	8968.988	100 Yr	265.96	265.96	0.00	0.00	0.00	2.41	0.87	3.43	225.80
Main02	8968.988	Regulatory	267.81	267.81	0.00	0.00	0.00	18.48	1.19	9.09	533.98
Main02	8848.212	2 YR	266.70	266.70	0.00	0.00	0.00	0.83	0.05	0.11	532.41
Main02	8848.212	5 YR	264.62	264.60	0.02	0.03	0.00	0.00	2.04	0.08	6.53
Main02	8848.212	10 YR	264.81	264.79	0.02	0.01	0.01	0.06	2.82	0.17	24.00
Main02	8848.212	25 YR	265.15	265.15	0.00	0.00	0.00	1.76	2.47	0.16	150.24
Main02	8848.212	50 YR	265.50	265.50	0.00	0.00	0.00	4.10	1.11	0.31	323.42
Main02	8848.212	100 Yr	265.96	265.96	0.00	0.00	0.00	5.46	0.66	0.60	464.24
Main02	8848.212	Regulatory	267.81	267.81	0.00	0.00	0.00	24.20	0.85	3.70	631.59
Main02	8709.171	2 YR	266.70	266.70	0.00			0.68	0.06	0.24	548.98
Main02	8709.171	5 YR	264.58	264.58	0.00	0.04	0.00	1.21	0.81	0.09	139.23
Main02	8709.171	10 YR	264.79	264.79	0.00	0.02	0.01	2.08	0.75	0.22	241.32
Main02	8709.171	25 YR	265.15	265.15	0.00	0.00	0.01	3.19	0.64	0.57	333.99
Main02	8709.171	50 YR	265.50	265.50	0.00	0.00	0.01	3.92	0.58	1.01	419.83
Main02	8709.171	100 Yr	265.96	265.96	0.00	0.00	0.01	4.80	0.50	1.42	456.62
Main02	8709.171	Regulatory	267.81	267.81	0.00	0.00	0.00	20.02	1.27	7.47	626.08
Main02	8422.349	2 YR	266.70	266.70	0.00				0.61	0.37	489.03
Main02	8422.349	5 YR	264.54	264.50	0.04				1.41	0.71	102.60

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	8422.349	10 YR	264.76	264.70	0.07				2.00	1.05	122.95
Main02	8422.349	25 YR	265.13	265.04	0.09				2.84	1.56	191.62
Main02	8422.349	50 YR	265.49	265.38	0.10				3.51	2.00	262.13
Main02	8422.349	100 Yr	265.95	265.84	0.11				4.24	2.48	354.16
Main02	8422.349	Regulatory	267.81	267.80	0.01			9.01	3.86	15.89	698.85
Main02	8402.893		Culvert								
Main02	8387.801	2 YR	266.70	266.70	0.00				0.81	0.17	405.79
Main02	8387.801	5 YR	264.49	264.45	0.04	0.05	0.03		1.77	0.35	100.22
Main02	8387.801	10 YR	264.65	264.58	0.07	0.05	0.05		2.54	0.51	111.46
Main02	8387.801	25 YR	264.87	264.76	0.11	0.04	0.09		3.66	0.74	141.44
Main02	8387.801	50 YR	265.04	264.89	0.15	0.03	0.12		4.58	0.93	199.04
Main02	8387.801	100 Yr	265.25	265.07	0.19	0.02	0.15		5.57	1.15	239.56
Main02	8387.801	Regulatory	267.61	266.08	1.54	0.06	1.23		23.72	5.04	341.87
Main02	8231.756	2 YR	264.22	264.21	0.01	0.03	0.00	0.08	1.07	0.46	39.42
Main02	8231.756	5 YR	264.42	264.41	0.01	0.07	0.00	0.27	1.54	1.66	70.54
Main02	8231.756	10 YR	264.55	264.55	0.00	0.07	0.00	0.57	1.66	2.77	91.85
Main02	8231.756	25 YR	264.75	264.74	0.00	0.06	0.01	1.11	1.67	4.45	122.25
Main02	8231.756	50 YR	264.90	264.90	0.00	0.05	0.01	1.55	1.66	5.87	156.40
Main02	8231.756	100 Yr	265.09	265.09	0.00	0.04	0.01	2.32	1.50	6.99	190.67
Main02	8231.756	Regulatory	265.47	265.46	0.00	0.08	0.00	12.19	3.67	26.29	232.03
Main02	7985.401	2 YR	264.19	264.18	0.01				1.39	0.21	58.79
Main02	7985.401	5 YR	264.35	264.33	0.02				3.01	0.47	71.05
Main02	7985.401	10 YR	264.48	264.44	0.04				4.33	0.67	81.14
Main02	7985.401	25 YR	264.68	264.61	0.06				6.25	0.98	111.98
Main02	7985.401	50 YR	264.84	264.75	0.09				7.84	1.24	148.04
Main02	7985.401	100 Yr	265.04	264.93	0.11				9.32	1.50	257.79
Main02	7985.401	Regulatory	265.39	265.37	0.02			23.08	9.15	9.92	592.53
Main02	7973.839		Culvert								
Main02	7964.496	2 YR	264.18	264.18	0.00	0.02	0.03		1.60		25.96
Main02	7964.496	5 YR	264.32	264.30	0.02	0.05	0.04		3.48		31.35
Main02	7964.496	10 YR	264.42	264.38	0.03	0.09	0.03		5.00		34.85
Main02	7964.496	25 YR	264.54	264.48	0.06	0.16	0.03		7.23		39.16
Main02	7964.496	50 YR	264.62	264.53	0.09	0.21	0.01		9.08		41.36
Main02	7964.496	100 Yr	264.73	264.61	0.12	0.27	0.03		10.82		45.86
Main02	7964.496	Regulatory	265.37	265.32	0.05	0.61	0.05	5.20	15.59	21.37	434.86
Main02	7909.400	2 YR	264.14	264.08	0.05	0.29	0.01			1.60	15.85
Main02	7909.400	5 YR	264.23	264.16	0.08	0.29	0.01			3.48	19.48
Main02	7909.400	10 YR	264.29	264.20	0.09	0.28	0.02			5.00	21.70
Main02	7909.400	25 YR	264.36	264.25	0.11	0.27	0.02			7.23	24.21
Main02	7909.400	50 YR	264.41	264.32	0.08	0.26	0.01	0.30	0.00	8.78	50.56
Main02	7909.400	100 Yr	264.44	264.35	0.08	0.26	0.01	0.74	0.03	10.05	59.85
Main02	7909.400	Regulatory	264.71	264.58	0.13	0.50	0.00	13.19	1.28	27.68	96.69
Main02	7812.035	2 YR	262.79	262.77	0.02	0.33	0.01	0.23	1.24	0.13	10.54
Main02	7812.035	5 YR	263.02	262.99	0.03	0.32	0.02	0.70	2.32	0.47	14.40
Main02	7812.035	10 YR	263.16	263.12	0.03	0.31	0.02	1.14	3.07	0.79	16.87
Main02	7812.035	25 YR	263.32	263.28	0.04	0.29	0.02	1.86	4.04	1.33	20.07
Main02	7812.035	50 YR	263.42	263.38	0.04	0.29	0.02	2.47	4.79	1.82	22.01
Main02	7812.035	100 Yr	263.51	263.46	0.05	0.28	0.02	3.07	5.44	2.31	23.67
Main02	7812.035	Regulatory	264.21	264.07	0.14	0.40	0.01	14.31	15.88	11.96	51.10
Main02	7711.195	2 YR	262.44	262.31	0.13	0.65	0.03	0.00	1.59	0.00	4.38
Main02	7711.195	5 YR	262.69	262.50	0.19	0.54	0.04	0.09	3.31	0.08	6.10
Main02	7711.195	10 YR	262.83	262.62	0.21	0.49	0.05	0.25	4.54	0.21	7.23
Main02	7711.195	25 YR	263.01	262.77	0.24	0.45	0.06	0.49	6.25	0.49	10.79
Main02	7711.195	50 YR	263.12	262.87	0.24	0.42	0.06	0.93	7.40	0.75	13.82
Main02	7711.195	100 Yr	263.21	262.97	0.24	0.39	0.06	1.60	8.43	0.79	19.58
Main02	7711.195	Regulatory	263.80	263.59	0.21	0.43	0.03	13.08	17.09	11.98	64.10
Main02	7624.932	2 YR	261.74	261.71	0.03	0.23	0.00	0.80	0.77	0.03	8.75
Main02	7624.932	5 YR	261.98	261.94	0.04	0.22	0.00	1.98	1.35	0.15	12.27
Main02	7624.932	10 YR	262.11	262.07	0.04	0.22	0.00	2.98	1.74	0.28	14.31
Main02	7624.932	25 YR	262.28	262.23	0.05	0.21	0.00	4.50	2.24	0.48	16.75
Main02	7624.932	50 YR	262.40	262.35	0.05	0.21	0.00	5.80	2.61	0.67	18.57
Main02	7624.932	100 Yr	262.50	262.45	0.05	0.21	0.00	7.04	2.92	0.86	20.11
Main02	7624.932	Regulatory	263.33	263.23	0.10	0.19	0.02	30.42	7.88	3.85	56.57

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	7505.220	2 YR	261.50	261.48	0.02	0.07	0.01	0.13	0.81	0.66	8.84
Main02	7505.220	5 YR	261.75	261.72	0.03	0.10	0.01	0.40	1.44	1.64	11.79
Main02	7505.220	10 YR	261.89	261.85	0.04	0.11	0.01	0.64	1.88	2.48	13.50
Main02	7505.220	25 YR	262.07	262.02	0.05	0.12	0.01	1.01	2.43	3.79	15.67
Main02	7505.220	50 YR	262.19	262.13	0.05	0.13	0.02	1.22	2.95	4.91	18.80
Main02	7505.220	100 Yr	262.29	262.23	0.06	0.14	0.02	1.43	3.42	5.97	23.61
Main02	7505.220	Regulatory	263.13	263.08	0.05	0.13	0.01	15.21	6.57	20.37	70.73
Main02	7361.987	2 YR	261.42	261.42	0.00	0.03	0.00	0.36	0.21	0.04	14.55
Main02	7361.987	5 YR	261.64	261.64	0.00	0.03	0.00	0.82	0.37	0.09	17.69
Main02	7361.987	10 YR	261.77	261.77	0.00	0.03	0.00	1.19	0.48	0.15	19.55
Main02	7361.987	25 YR	261.93	261.93	0.00	0.03	0.00	1.74	0.63	0.23	21.91
Main02	7361.987	50 YR	262.04	262.04	0.00	0.03	0.00	2.19	0.74	0.30	23.45
Main02	7361.987	100 Yr	262.14	262.13	0.00	0.03	0.00	2.67	0.86	0.37	25.21
Main02	7361.987	Regulatory	262.98	262.98	0.00	0.03	0.00	8.77	1.86	1.85	171.19
Main02	7305.078	2 YR	261.39	261.39	0.00	0.22	0.00	0.08	0.14	0.38	24.38
Main02	7305.078	5 YR	261.61	261.61	0.00	0.16	0.01	0.20	0.20	0.87	34.84
Main02	7305.078	10 YR	261.74	261.74	0.00	0.14	0.01	0.31	0.24	1.27	39.37
Main02	7305.078	25 YR	261.91	261.91	0.00	0.13	0.01	0.45	0.30	1.84	45.54
Main02	7305.078	50 YR	262.02	262.01	0.00	0.13	0.01	0.58	0.34	2.30	49.35
Main02	7305.078	100 Yr	262.11	262.11	0.00	0.13	0.01	0.73	0.38	2.79	52.71
Main02	7305.078	Regulatory	262.96	262.95	0.00	0.17	0.03	2.82	0.94	8.71	179.01
Main02	7166.875	2 YR	261.17	261.12	0.05	0.79	0.00	0.36	1.25	0.62	11.66
Main02	7166.875	5 YR	261.45	261.38	0.07	0.91	0.01	1.08	2.23	1.61	16.05
Main02	7166.875	10 YR	261.59	261.51	0.08	0.97	0.00	1.67	2.93	2.47	18.02
Main02	7166.875	25 YR	261.77	261.67	0.10	1.03	0.01	2.59	3.92	3.80	21.01
Main02	7166.875	50 YR	261.88	261.75	0.12	1.08	0.00	3.35	4.71	4.84	23.14
Main02	7166.875	100 Yr	261.97	261.83	0.14	1.11	0.00	4.12	5.47	5.91	25.00
Main02	7166.875	Regulatory	262.76	262.49	0.27	1.05	0.03	15.11	13.40	29.42	57.63
Main02	7018.901	2 YR	260.38	260.32	0.06	1.02	0.01	0.75	0.89	0.59	18.99
Main02	7018.901	5 YR	260.53	260.41	0.12	0.92	0.02	1.79	1.65	1.47	21.68
Main02	7018.901	10 YR	260.62	260.49	0.13	0.86	0.03	2.71	2.12	2.25	26.25
Main02	7018.901	25 YR	260.73	260.58	0.15	0.83	0.03	4.06	2.81	3.44	29.99
Main02	7018.901	50 YR	260.80	260.65	0.15	0.79	0.03	5.49	3.17	4.24	31.01
Main02	7018.901	100 Yr	260.86	260.72	0.14	0.76	0.02	6.95	3.52	5.04	31.99
Main02	7018.901	Regulatory	261.68	261.52	0.16	0.68	0.01	30.67	8.52	18.73	43.33
Main02	6889.840	2 YR	259.36	259.32	0.04	0.20	0.01	0.31	1.35	0.58	19.34
Main02	6889.840	5 YR	259.58	259.54	0.04	0.22	0.01	0.86	2.29	1.76	24.03
Main02	6889.840	10 YR	259.71	259.67	0.04	0.23	0.01	1.38	3.00	2.70	26.22
Main02	6889.840	25 YR	259.87	259.82	0.05	0.25	0.00	2.26	3.99	4.07	28.89
Main02	6889.840	50 YR	259.98	259.92	0.05	0.26	0.00	3.02	4.74	5.13	30.60
Main02	6889.840	100 Yr	260.07	260.01	0.06	0.27	0.00	3.83	5.48	6.19	32.13
Main02	6889.840	Regulatory	260.98	260.86	0.12	0.36	0.00	20.74	15.55	21.64	42.58
Main02	6792.25	2 YR	259.15	259.15	0.01	0.36	0.00	0.10	0.51	1.61	16.97
Main02	6792.25	5 YR	259.36	259.34	0.02	0.47	0.00	0.34	1.02	3.56	20.71
Main02	6792.25	10 YR	259.47	259.45	0.03	0.53	0.00	0.61	1.39	5.08	22.94
Main02	6792.25	25 YR	259.62	259.58	0.04	0.60	0.00	1.05	1.94	7.33	27.10
Main02	6792.25	50 YR	259.71	259.67	0.05	0.64	0.00	1.47	2.35	9.08	30.10
Main02	6792.25	100 Yr	259.80	259.74	0.05	0.69	0.00	1.97	2.75	10.79	32.83
Main02	6792.25	Regulatory	260.63	260.50	0.13	1.08	0.00	16.33	7.78	33.82	51.08
Main02	6628.565	2 YR	258.79	258.75	0.04	0.84	0.01	0.85	0.54	0.83	41.99
Main02	6628.565	5 YR	258.89	258.85	0.04	0.85	0.01	1.92	0.91	2.09	52.08
Main02	6628.565	10 YR	258.94	258.90	0.04	0.85	0.01	2.78	1.16	3.14	55.99
Main02	6628.565	25 YR	259.02	258.97	0.05	0.86	0.01	4.11	1.52	4.68	61.33
Main02	6628.565	50 YR	259.07	259.02	0.05	0.87	0.01	5.27	1.77	5.86	64.24
Main02	6628.565	100 Yr	259.11	259.05	0.06	0.86	0.01	6.53	2.02	6.96	65.10
Main02	6628.565	Regulatory	259.54	259.38	0.16	0.65	0.04	27.77	5.70	24.46	68.46
Main02	6550.536	2 YR	257.94	257.93	0.00	0.56	0.00			2.23	64.90
Main02	6550.536	5 YR	258.03	258.02	0.01	0.50	0.00			4.92	71.15
Main02	6550.536	10 YR	258.08	258.08	0.01	0.47	0.00			7.08	75.04
Main02	6550.536	25 YR	258.15	258.14	0.01	0.42	0.00	0.00	0.02	10.29	77.65
Main02	6550.536	50 YR	258.19	258.18	0.01	0.39	0.00	0.01	0.07	12.83	79.98
Main02	6550.536	100 Yr	258.24	258.22	0.01	0.36	0.00	0.03	0.13	15.35	82.97
Main02	6550.536	Regulatory	258.85	258.82	0.02	0.24	0.00	4.59	1.78	51.56	111.74
Main02	6424.454	2 YR	257.37	257.34	0.03	0.35	0.01	0.75	0.96	0.53	34.72
Main02	6424.454	5 YR	257.52	257.49	0.03	0.31	0.01	1.72	1.68	1.51	51.24

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	6424.454	10 YR	257.61	257.58	0.03	0.29	0.01	2.53	2.15	2.40	61.67
Main02	6424.454	25 YR	257.72	257.69	0.03	0.27	0.01	3.70	2.70	3.91	71.62
Main02	6424.454	50 YR	257.80	257.77	0.03	0.26	0.00	4.57	3.05	5.28	74.50
Main02	6424.454	100 Yr	257.87	257.84	0.03	0.25	0.00	5.47	3.40	6.64	77.16
Main02	6424.454	Regulatory	258.61	258.57	0.04	0.21	0.00	22.84	8.35	26.74	100.45
Main02	6327.020	2 YR	257.02	257.01	0.01	0.31	0.01	1.72	0.36	0.15	35.93
Main02	6327.020	5 YR	257.20	257.19	0.01	0.28	0.01	3.67	0.73	0.52	45.28
Main02	6327.020	10 YR	257.31	257.30	0.01	0.27	0.01	5.20	1.00	0.88	50.54
Main02	6327.020	25 YR	257.45	257.44	0.01	0.27	0.01	7.44	1.38	1.49	56.94
Main02	6327.020	50 YR	257.54	257.52	0.02	0.27	0.01	9.21	1.66	2.03	61.21
Main02	6327.020	100 Yr	257.62	257.60	0.02	0.27	0.01	10.96	1.94	2.60	65.42
Main02	6327.020	Regulatory	258.39	258.36	0.04	0.24	0.01	40.37	5.40	12.16	85.72
Main02	6245.366	2 YR	256.70	256.63	0.07	0.26	0.02	0.31	1.23	0.69	16.82
Main02	6245.366	5 YR	256.92	256.83	0.09	0.31	0.02	0.83	2.21	1.89	23.60
Main02	6245.366	10 YR	257.03	256.93	0.10	0.34	0.02	1.26	2.91	2.91	28.15
Main02	6245.366	25 YR	257.17	257.05	0.12	0.36	0.02	2.03	3.85	4.43	33.37
Main02	6245.366	50 YR	257.26	257.14	0.13	0.37	0.02	2.75	4.51	5.64	36.58
Main02	6245.366	100 Yr	257.34	257.21	0.13	0.37	0.02	3.52	5.13	6.86	39.36
Main02	6245.366	Regulatory	258.14	257.98	0.16	0.32	0.01	18.21	11.95	27.77	55.85
Main02	6177.592	2 YR	256.43	256.41	0.02	0.42	0.01	0.03	1.60	0.59	28.63
Main02	6177.592	5 YR	256.59	256.56	0.03	0.43	0.00	0.14	3.22	1.56	36.94
Main02	6177.592	10 YR	256.68	256.64	0.04	0.44	0.00	0.25	4.35	2.48	40.25
Main02	6177.592	25 YR	256.79	256.74	0.05	0.45	0.00	0.43	5.89	3.99	42.30
Main02	6177.592	50 YR	256.87	256.82	0.06	0.46	0.00	0.60	7.07	5.23	43.88
Main02	6177.592	100 Yr	256.95	256.88	0.06	0.46	0.00	0.80	8.21	6.50	45.15
Main02	6177.592	Regulatory	257.80	257.68	0.12	0.31	0.00	5.75	24.17	28.01	57.85
Main02	6079.625	2 YR	256.01	255.93	0.08	0.53	0.02	0.00	1.78	0.45	23.71
Main02	6079.625	5 YR	256.15	256.09	0.06	0.60	0.01	0.01	3.20	1.71	36.85
Main02	6079.625	10 YR	256.23	256.16	0.07	0.60	0.01	0.03	4.18	2.87	37.36
Main02	6079.625	25 YR	256.34	256.26	0.08	0.60	0.00	0.07	5.58	4.66	38.01
Main02	6079.625	50 YR	256.41	256.33	0.09	0.60	0.00	0.11	6.69	6.10	38.46
Main02	6079.625	100 Yr	256.48	256.39	0.09	0.60	0.00	0.16	7.80	7.55	38.86
Main02	6079.625	Regulatory	257.49	257.37	0.12	0.17	0.02	1.94	23.80	32.20	43.24
Main02	5986.455	2 YR	255.44	255.43	0.01	0.49	0.00	0.22	0.50	1.51	25.74
Main02	5986.455	5 YR	255.54	255.51	0.03	0.43	0.00	0.57	1.06	3.29	28.10
Main02	5986.455	10 YR	255.62	255.58	0.04	0.39	0.00	0.93	1.49	4.66	30.14
Main02	5986.455	25 YR	255.73	255.67	0.06	0.36	0.01	1.55	2.11	6.65	32.65
Main02	5986.455	50 YR	255.81	255.74	0.07	0.33	0.01	2.14	2.58	8.18	34.55
Main02	5986.455	100 Yr	255.88	255.80	0.08	0.31	0.01	2.80	3.04	9.67	36.42
Main02	5986.455	Regulatory	257.30	257.26	0.04	0.06	0.01	23.38	7.92	26.64	55.53
Main02	5908.923	2 YR	254.94	254.88	0.06	0.18	0.02	1.21	0.51	0.52	24.39
Main02	5908.923	5 YR	255.11	255.08	0.03	0.17	0.01	2.23	0.80	1.88	29.49
Main02	5908.923	10 YR	255.23	255.19	0.04	0.17	0.01	3.03	1.10	2.96	34.73
Main02	5908.923	25 YR	255.37	255.33	0.04	0.17	0.01	4.56	1.45	4.30	38.36
Main02	5908.923	50 YR	255.47	255.43	0.04	0.17	0.01	5.86	1.72	5.32	39.97
Main02	5908.923	100 Yr	255.56	255.52	0.04	0.17	0.01	7.19	1.98	6.34	41.44
Main02	5908.923	Regulatory	257.24	257.21	0.02	0.03	0.00	32.61	5.26	20.06	59.06
Main02	5837.716	2 YR	254.73	254.73	0.00	0.25	0.01	0.10	0.30	1.83	24.48
Main02	5837.716	5 YR	254.93	254.93	0.01	0.29	0.01	0.36	0.65	3.91	30.19
Main02	5837.716	10 YR	255.05	255.03	0.01	0.29	0.01	0.60	0.92	5.55	33.26
Main02	5837.716	25 YR	255.19	255.17	0.02	0.27	0.01	1.05	1.31	7.95	37.52
Main02	5837.716	50 YR	255.29	255.27	0.02	0.26	0.01	1.46	1.63	9.81	41.68
Main02	5837.716	100 Yr	255.38	255.36	0.02	0.23	0.00	1.88	1.93	11.70	46.20
Main02	5837.716	Regulatory	257.20	257.19	0.01	0.03	0.00	13.80	5.22	38.91	111.35
Main02	5734.209	2 YR	254.47	254.38	0.09	0.31	0.02		2.14	0.09	10.89
Main02	5734.209	5 YR	254.64	254.54	0.10	0.30	0.02		4.32	0.60	15.89
Main02	5734.209	10 YR	254.75	254.66	0.09	0.24	0.01	0.01	5.85	1.23	19.84
Main02	5734.209	25 YR	254.91	254.82	0.08	0.17	0.01	0.08	7.88	2.35	24.96
Main02	5734.209	50 YR	255.02	254.95	0.07	0.13	0.01	0.21	9.27	3.41	28.51
Main02	5734.209	100 Yr	255.15	255.09	0.06	0.11	0.01	0.41	10.32	4.78	31.45
Main02	5734.209	Regulatory	257.17	257.15	0.02	0.01	0.00	12.88	21.74	23.30	89.95
Main02	5649.413	2 YR	254.01	253.99	0.02	0.18	0.01	0.42	1.74	0.07	6.88
Main02	5649.413	5 YR	254.32	254.28	0.04	0.19	0.02	1.05	3.39	0.49	17.36
Main02	5649.413	10 YR	254.50	254.46	0.04	0.17	0.02	1.50	4.26	1.33	23.31
Main02	5649.413	25 YR	254.72	254.68	0.04	0.14	0.03	2.09	5.16	3.06	30.50

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Main02	5649.413	50 YR	254.87	254.84	0.03	0.12	0.04	2.45	5.57	4.89	32.10
Main02	5649.413	100 Yr	255.03	255.00	0.03	0.11	0.04	2.17	6.21	7.13	39.59
Main02	5649.413	Regulatory	257.16	257.15	0.01	0.02	0.13	28.26	7.66	22.01	137.68
Main02	5605.709	2 YR	253.82	253.65	0.16			0.00	2.26	0.21	10.48
Main02	5605.709	5 YR	254.12	253.89	0.23			0.27	4.75	0.42	14.63
Main02	5605.709	10 YR	254.30	254.01	0.29			0.62	6.62	0.57	17.16
Main02	5605.709	25 YR	254.54	254.18	0.36			1.21	9.28	0.79	23.05
Main02	5605.709	50 YR	254.71	254.30	0.42			1.73	11.42	0.95	26.84
Main02	5605.709	100 Yr	254.88	254.40	0.48			2.27	13.59	1.13	31.07
Main02	5605.709	Regulatory	257.01	255.73	1.28			12.77	50.49	4.00	92.50
Main02	5592.374		Culvert								
Main02	5579.326	2 YR	253.71	253.66	0.05	0.31	0.01	0.33	1.66	0.49	16.83
Main02	5579.326	5 YR	253.95	253.83	0.12	0.39	0.05	0.79	3.50	1.14	20.65
Main02	5579.326	10 YR	254.11	253.93	0.18	0.41	0.10	1.18	4.95	1.68	23.10
Main02	5579.326	25 YR	254.32	254.03	0.29	0.43	0.18	1.76	7.06	2.46	25.84
Main02	5579.326	50 YR	254.49	254.11	0.38	0.45	0.25	2.23	8.77	3.10	27.70
Main02	5579.326	100 Yr	254.65	254.18	0.47			2.72	10.51	3.76	29.39
Main02	5579.326	Regulatory	255.33	255.25	0.08	0.21	0.03	17.34	13.50	36.44	60.03
Main02	5555.792	2 YR	253.39	253.33	0.06	0.27	0.01	1.30	0.61	0.56	21.02
Main02	5555.792	5 YR	253.52	253.45	0.06	0.26	0.01	2.98	0.98	1.48	25.02
Main02	5555.792	10 YR	253.60	253.54	0.06	0.24	0.00	4.24	1.22	2.35	27.07
Main02	5555.792	25 YR	253.71	253.65	0.07	0.24	0.00	6.06	1.57	3.66	29.51
Main02	5555.792	50 YR	253.79	253.72	0.07	0.24	0.00	7.49	1.85	4.76	31.41
Main02	5555.792	100 Yr	253.86	253.79	0.07	0.24	0.00	8.97	2.12	5.90	33.06
Main02	5555.792	Regulatory	254.62	254.48	0.14	0.25	0.00	34.04	6.14	27.09	48.99
Main02	5531.909	2 YR	253.06	253.04	0.02	0.35	0.00	0.42	1.00	1.07	16.00
Main02	5531.909	5 YR	253.25	253.21	0.04	0.39	0.00	1.33	1.91	2.21	23.27
Main02	5531.909	10 YR	253.35	253.31	0.05	0.41	0.00	2.04	2.48	3.30	26.20
Main02	5531.909	25 YR	253.47	253.42	0.06	0.42	0.00	3.10	3.23	4.95	29.60
Main02	5531.909	50 YR	253.55	253.49	0.06	0.43	0.00	3.99	3.79	6.32	31.88
Main02	5531.909	100 Yr	253.63	253.56	0.07	0.44	0.00	4.91	4.35	7.73	34.07
Main02	5531.909	Regulatory	254.37	254.22	0.15	0.47	0.01	21.30	11.38	34.59	48.49
Main02	5485.250	2 YR	252.71	252.68	0.03	0.34	0.01	0.31	0.75	1.43	26.32
Main02	5485.250	5 YR	252.86	252.82	0.04	0.37	0.01	0.79	1.27	3.37	32.99
Main02	5485.250	10 YR	252.95	252.90	0.05	0.39	0.01	1.22	1.64	4.95	36.94
Main02	5485.250	25 YR	253.05	253.00	0.05	0.42	0.01	1.94	2.11	7.23	41.24
Main02	5485.250	50 YR	253.12	253.06	0.06	0.45	0.01	2.56	2.45	9.09	44.06
Main02	5485.250	100 Yr	253.19	253.12	0.06	0.47	0.01	3.18	2.78	11.03	46.26
Main02	5485.250	Regulatory	253.89	253.78	0.11	0.74	0.01	13.76	7.07	46.44	64.40
Main02	5440.642	2 YR	252.37	252.36	0.01	0.35	0.00	0.71	0.39	1.38	45.60
Main02	5440.642	5 YR	252.48	252.47	0.01	0.35	0.00	1.54	0.68	3.22	50.51
Main02	5440.642	10 YR	252.55	252.53	0.02	0.36	0.00	2.23	0.89	4.68	53.40
Main02	5440.642	25 YR	252.62	252.60	0.02	0.35	0.00	3.29	1.19	6.80	56.53
Main02	5440.642	50 YR	252.67	252.64	0.03	0.35	0.00	4.24	1.41	8.44	57.60
Main02	5440.642	100 Yr	252.71	252.67	0.04	0.35	0.00	5.23	1.64	10.12	58.57
Main02	5440.642	Regulatory	253.14	252.94	0.20	0.30	0.05	22.48	5.35	39.44	64.97
Main02	5374.723	2 YR	252.01	251.99	0.02	0.33	0.01	1.19	0.47	0.82	34.93
Main02	5374.723	5 YR	252.13	252.10	0.02	0.35	0.01	2.73	0.74	1.97	46.56
Main02	5374.723	10 YR	252.19	252.16	0.03	0.36	0.01	3.92	0.92	2.97	59.59
Main02	5374.723	25 YR	252.27	252.24	0.02	0.38	0.01	5.39	1.10	4.79	105.55
Main02	5374.723	50 YR	252.32	252.29	0.02	0.38	0.01	6.35	1.20	6.55	142.18
Main02	5374.723	100 Yr	252.36	252.34	0.02	0.39	0.00	7.18	1.29	8.52	167.17
Main02	5374.723	Regulatory	252.78	252.77	0.01	0.31	0.00	15.25	2.01	50.01	293.99
Main02	5225.538	2 YR	251.68	251.68	0.00	0.20	0.00	0.52	0.21	1.74	130.42
Main02	5225.538	5 YR	251.77	251.77	0.00	0.21	0.00	1.46	0.34	3.64	135.48
Main02	5225.538	10 YR	251.82	251.82	0.00	0.21	0.00	2.25	0.44	5.13	138.63
Main02	5225.538	25 YR	251.89	251.88	0.00	0.21	0.00	3.41	0.57	7.31	141.53
Main02	5225.538	50 YR	251.93	251.92	0.00	0.22	0.00	4.36	0.67	9.07	143.51
Main02	5225.538	100 Yr	251.97	251.96	0.01	0.22	0.00	5.36	0.77	10.85	145.12
Main02	5225.538	Regulatory	252.47	252.46	0.01	0.13	0.00	23.23	2.25	41.79	165.86
Trib2	806.489	2 YR	261.16	261.15	0.01	0.82	0.01	0.75	0.46	0.95	24.02
Trib2	806.489	5 YR	261.26	261.25	0.02	0.81	0.01	1.41	0.81	1.76	25.76
Trib2	806.489	10 YR	261.33	261.31	0.02	0.82	0.01	1.88	1.05	2.32	26.79
Trib2	806.489	25 YR	261.43	261.41	0.02	0.82	0.01	2.84	1.50	3.40	28.57

HEC-RAS Plan: Poten- Fut-Regu (Continued)

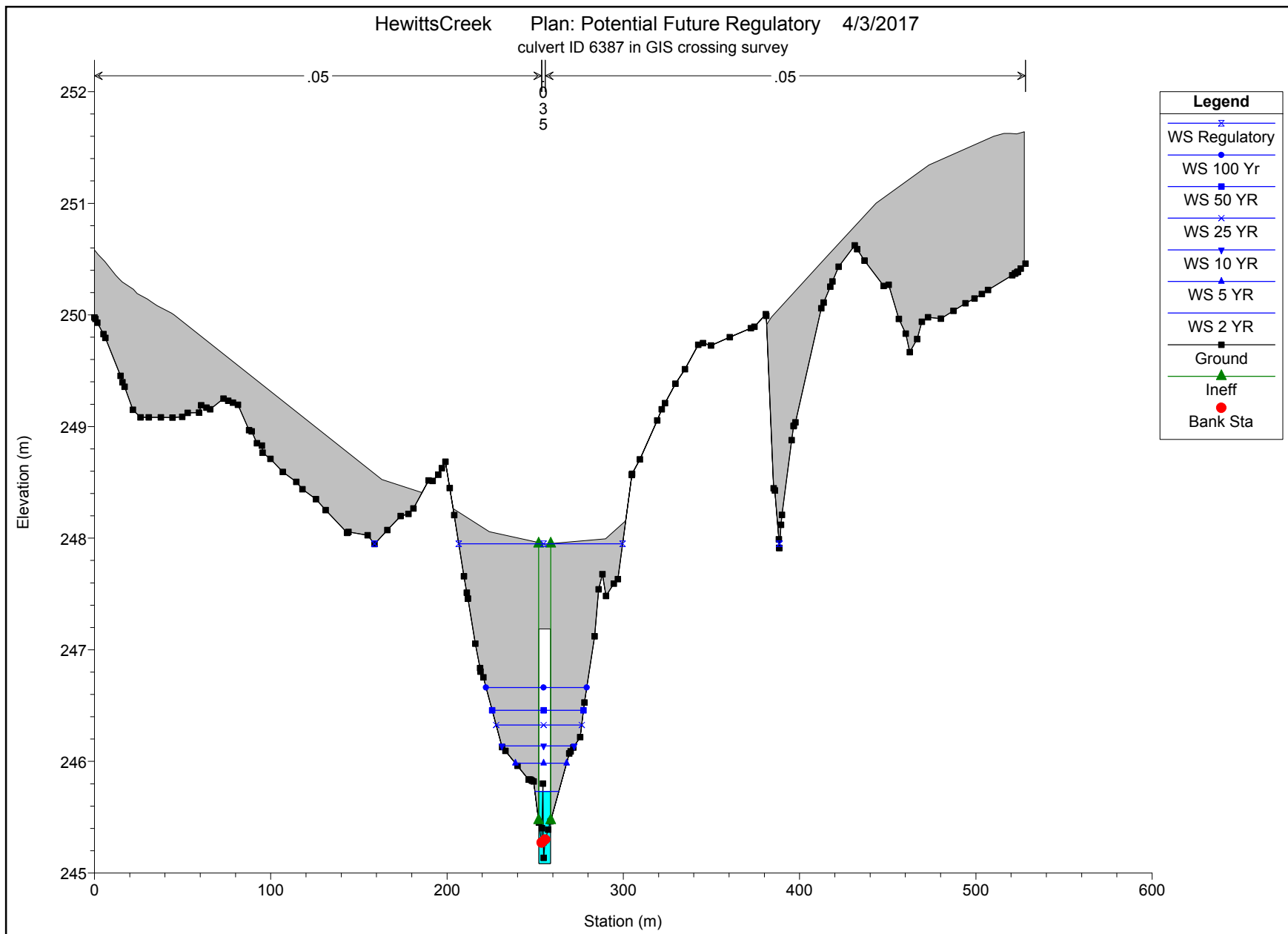
Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Trib2	806.489	50 YR	261.50	261.47	0.03	0.82	0.01	3.49	1.79	4.11	29.58
Trib2	806.489	100 Yr	261.56	261.53	0.03	0.83	0.01	4.21	2.10	4.86	30.59
Trib2	806.489	Regulatory	261.61	261.58	0.03	0.83	0.02	5.03	2.41	5.62	31.17
Trib2	655.93	2 YR	260.34	260.25	0.08	0.89	0.00	0.94	1.03	0.19	15.92
Trib2	655.93	5 YR	260.44	260.34	0.10	0.77	0.00	1.96	1.57	0.45	18.66
Trib2	655.93	10 YR	260.50	260.39	0.11	0.75	0.00	2.69	1.91	0.64	19.31
Trib2	655.93	25 YR	260.60	260.46	0.14	0.71	0.00	4.13	2.55	1.06	20.36
Trib2	655.93	50 YR	260.66	260.50	0.16	0.69	0.01	5.08	2.94	1.37	20.97
Trib2	655.93	100 Yr	260.71	260.54	0.17	0.67	0.01	6.08	3.34	1.74	21.41
Trib2	655.93	Regulatory	260.77	260.58	0.19	0.65	0.01	7.15	3.76	2.15	21.86
Trib2	558.89	2 YR	257.66	257.58	0.08				2.17		7.17
Trib2	558.89	5 YR	257.99	257.87	0.12				3.98		10.27
Trib2	558.89	10 YR	258.20	258.05	0.14				5.24		11.77
Trib2	558.89	25 YR	258.56	258.37	0.18				7.74		13.62
Trib2	558.89	50 YR	258.77	258.56	0.21				9.39		14.27
Trib2	558.89	100 Yr	258.99	258.76	0.23				11.17		14.93
Trib2	558.89	Regulatory	259.21	258.95	0.26				13.06		15.60
Trib2	550		Culvert								
Trib2	538.87	2 YR	257.37	257.28	0.09	0.95	0.01		2.17		7.29
Trib2	538.87	5 YR	257.62	257.46	0.17	1.06	0.06		3.98		8.80
Trib2	538.87	10 YR	257.78	257.56	0.22	1.12	0.09		5.24		9.53
Trib2	538.87	25 YR	258.05	257.72	0.33	1.23	0.16		7.74		10.73
Trib2	538.87	50 YR	258.22	257.81	0.41	1.30	0.21		9.39		11.39
Trib2	538.87	100 Yr	258.39	257.90	0.49	1.36	0.27		11.17		12.02
Trib2	538.87	Regulatory	258.56	257.97	0.60	1.28	0.37		13.06		12.51
Trib2	438.257	2 YR	256.41	256.33	0.08	0.99	0.02	1.00	0.98	0.19	17.23
Trib2	438.257	5 YR	256.51	256.41	0.10	1.02	0.03	2.02	1.51	0.45	21.54
Trib2	438.257	10 YR	256.57	256.46	0.11	0.94	0.03	2.75	1.83	0.65	23.59
Trib2	438.257	25 YR	256.66	256.53	0.13	0.94	0.03	4.24	2.42	1.08	26.49
Trib2	438.257	50 YR	256.71	256.57	0.14	1.04	0.04	5.24	2.78	1.37	28.13
Trib2	438.257	100 Yr	256.76	256.61	0.15	2.02	0.03	6.32	3.14	1.71	29.71
Trib2	438.257	Regulatory	256.81	256.68	0.13	3.08	0.00	7.53	3.37	2.15	32.79
Trib2	222.342	2 YR	253.50	253.49	0.01	2.34	0.00	0.44	0.39	1.34	33.18
Trib2	222.342	5 YR	253.60	253.58	0.01	2.39	0.00	0.99	0.64	2.35	40.28
Trib2	222.342	10 YR	253.66	253.64	0.01	2.43	0.00	1.41	0.78	3.05	44.16
Trib2	222.342	25 YR	253.74	253.73	0.02	2.48	0.00	2.22	1.05	4.47	48.85
Trib2	222.342	50 YR	253.78	253.76	0.02	2.49	0.00	2.74	1.23	5.41	50.52
Trib2	222.342	100 Yr	253.73	253.68	0.05	2.36	0.01	3.09	1.59	6.48	46.19
Trib2	222.342	Regulatory	253.72	253.60	0.12	0.15	0.04	3.36	2.05	7.65	41.92
Junction 2	4844.722	2 YR	251.16	251.12	0.04	0.18	0.01	1.07	0.70	1.28	109.88
Junction 2	4844.722	5 YR	251.20	251.17	0.03	0.11	0.01	2.47	1.06	2.86	161.63
Junction 2	4844.722	10 YR	251.23	251.19	0.04	0.09	0.01	3.55	1.37	4.24	175.09
Junction 2	4844.722	25 YR	251.26	251.21	0.05	0.08	0.02	4.98	1.77	6.34	183.55
Junction 2	4844.722	50 YR	251.29	251.25	0.04	0.07	0.01	6.01	1.96	8.38	203.20
Junction 2	4844.722	100 Yr	251.36	251.34	0.02	0.06	0.00	7.05	1.88	10.83	258.72
Junction 2	4844.722	Regulatory	252.22	252.22	0.00	0.04	0.00	37.72	3.40	36.66	366.56
Junction 2	4683.631	2 YR	250.70	250.70	0.00	0.15	0.01	2.17	0.16	0.73	264.98
Junction 2	4683.631	5 YR	250.86	250.86	0.00	0.09	0.01	4.78	0.25	1.37	284.04
Junction 2	4683.631	10 YR	250.97	250.97	0.00	0.07	0.01	6.95	0.32	1.90	291.89
Junction 2	4683.631	25 YR	251.11	251.11	0.00	0.06	0.01	10.00	0.42	2.67	302.46
Junction 2	4683.631	50 YR	251.20	251.20	0.00	0.06	0.01	12.52	0.51	3.32	310.47
Junction 2	4683.631	100 Yr	251.29	251.29	0.00	0.05	0.01	15.14	0.59	4.03	318.54
Junction 2	4683.631	Regulatory	252.19	252.18	0.00	0.06	0.01	56.81	2.00	18.97	396.86
Junction 2	4460.270	2 YR	250.55	250.48	0.07	0.59	0.01	1.35	1.33	0.38	22.23
Junction 2	4460.270	5 YR	250.76	250.69	0.07	0.60	0.00	3.26	2.17	0.97	32.43
Junction 2	4460.270	10 YR	250.89	250.82	0.07	0.60	0.00	4.95	2.73	1.49	38.59
Junction 2	4460.270	25 YR	251.04	250.96	0.07	0.60	0.00	7.40	3.44	2.25	45.36
Junction 2	4460.270	50 YR	251.14	251.06	0.08	0.59	0.00	9.48	3.97	2.90	50.19
Junction 2	4460.270	100 Yr	251.23	251.15	0.08	0.59	0.00	11.70	4.48	3.59	54.60
Junction 2	4460.270	Regulatory	252.12	252.03	0.09	0.68	0.02	52.23	10.28	15.27	87.98
Junction 2	4376.181	2 YR	249.95	249.90	0.05	0.43	0.01	1.33	1.29	0.43	20.28
Junction 2	4376.181	5 YR	250.17	250.09	0.07	0.49	0.01	3.03	2.29	1.07	27.24
Junction 2	4376.181	10 YR	250.30	250.21	0.09	0.51	0.01	4.52	3.00	1.65	31.47
Junction 2	4376.181	25 YR	250.44	250.34	0.10	0.54	0.01	6.72	3.89	2.49	36.37

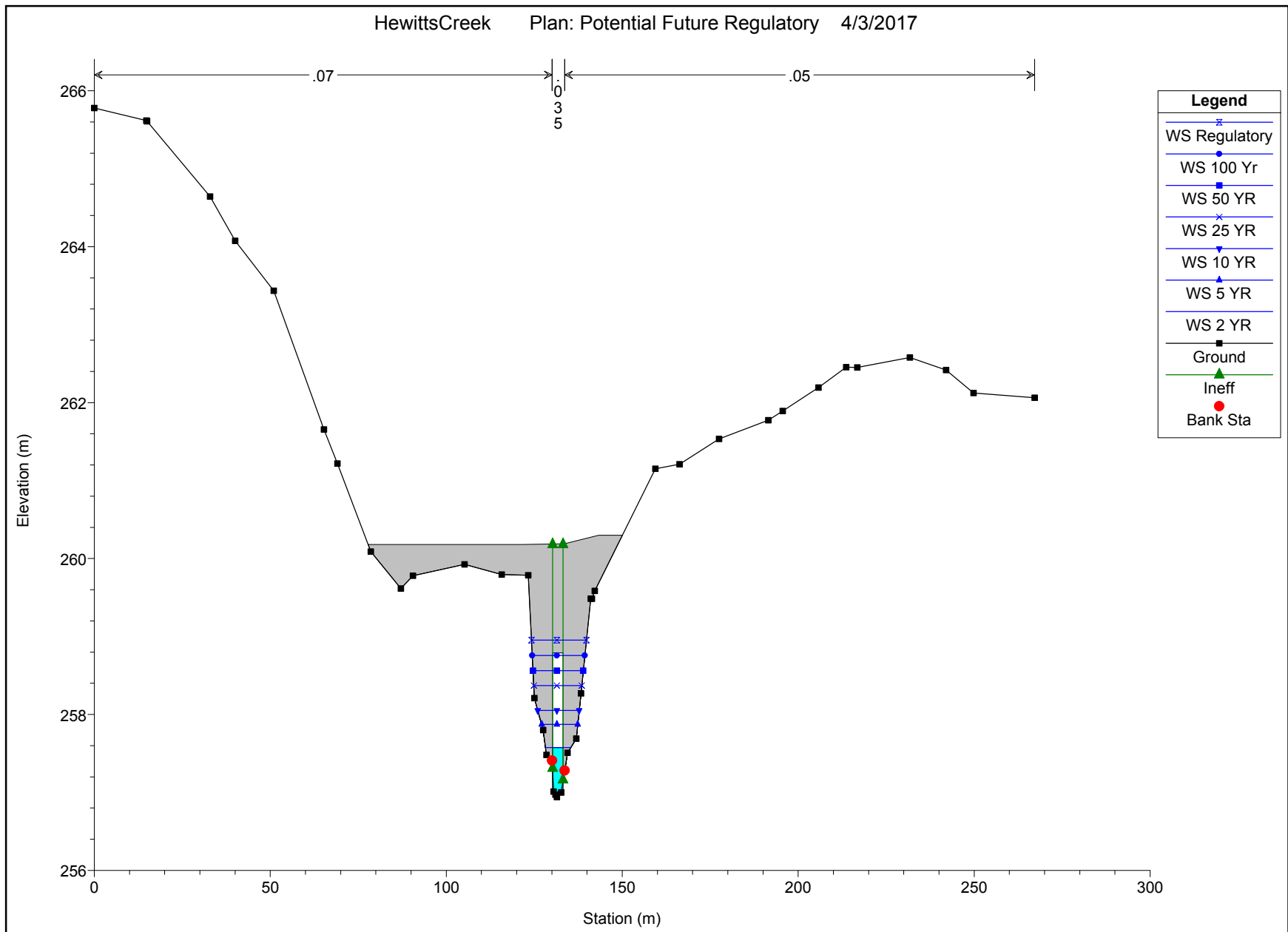
HEC-RAS Plan: Poten- Fut-Regu (Continued)

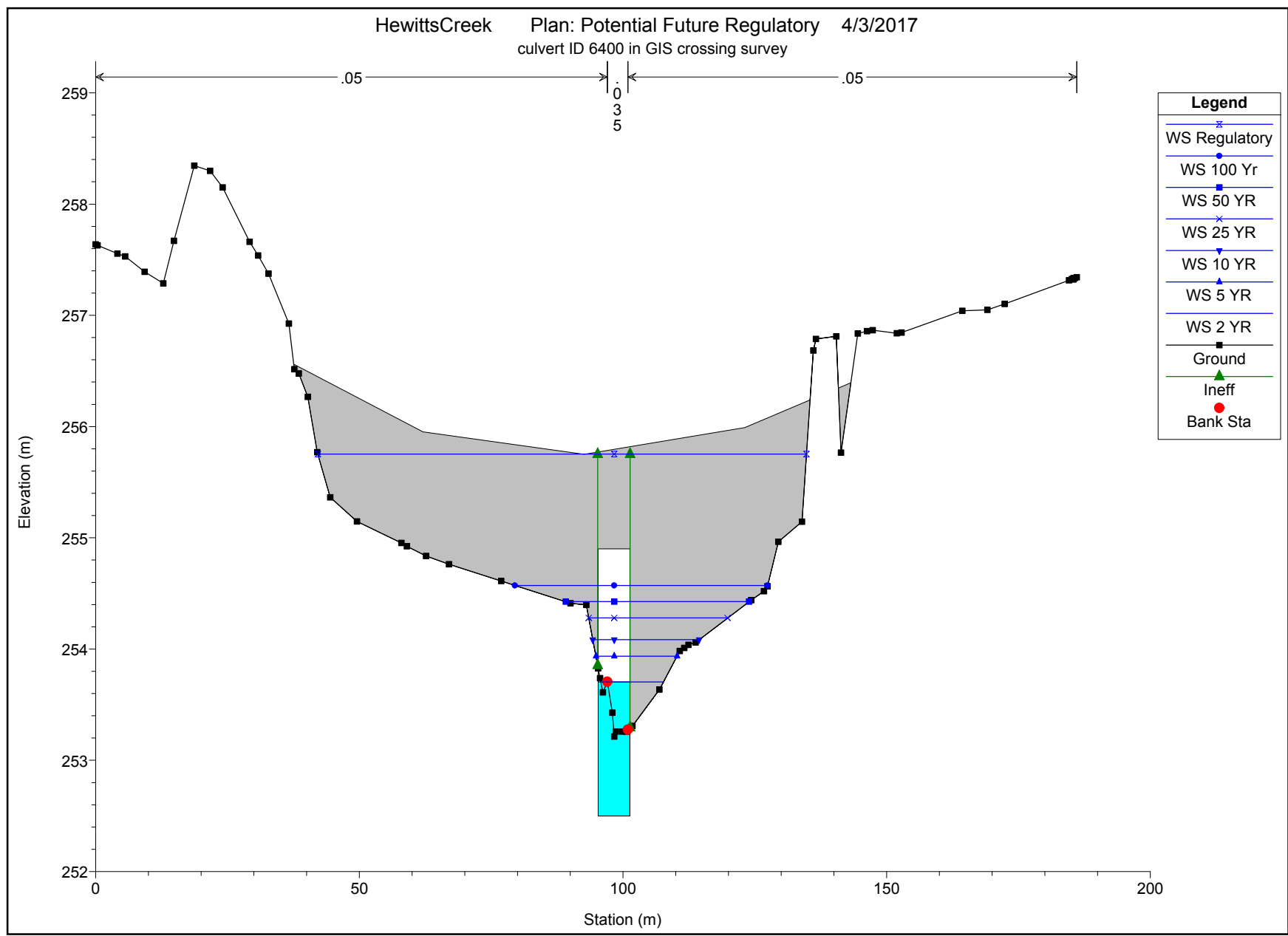
Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Junction 2	4376.181	50 YR	250.54	250.43	0.11	0.55	0.01	8.60	4.54	3.21	39.85
Junction 2	4376.181	100 Yr	250.63	250.51	0.12	0.56	0.02	10.60	5.20	3.97	42.88
Junction 2	4376.181	Regulatory	251.42	251.13	0.29	0.58	0.07	47.15	13.94	16.69	58.97
Junction 2	4285.937	2 YR	249.51	249.48	0.03	0.37	0.01	0.84	0.75	1.46	23.19
Junction 2	4285.937	5 YR	249.67	249.63	0.04	0.36	0.01	1.91	1.32	3.17	28.80
Junction 2	4285.937	10 YR	249.77	249.72	0.05	0.36	0.01	2.86	1.74	4.57	32.24
Junction 2	4285.937	25 YR	249.89	249.83	0.06	0.36	0.01	4.33	2.31	6.45	36.99
Junction 2	4285.937	50 YR	249.98	249.91	0.06	0.37	0.01	5.69	2.78	7.88	41.50
Junction 2	4285.937	100 Yr	250.06	249.99	0.07	0.37	0.01	7.14	3.21	9.42	45.36
Junction 2	4285.937	Regulatory	250.77	250.70	0.07	0.37	0.00	27.75	7.10	42.93	150.74
Junction 2	4043.362	2 YR	249.13	249.13	0.01	0.59	0.00	1.42	1.02	0.70	54.49
Junction 2	4043.362	5 YR	249.30	249.29	0.01	0.64	0.01	3.35	1.70	1.61	63.64
Junction 2	4043.362	10 YR	249.40	249.39	0.01	0.67	0.01	4.92	2.17	2.43	68.77
Junction 2	4043.362	25 YR	249.52	249.50	0.02	0.70	0.01	7.14	2.80	3.73	74.87
Junction 2	4043.362	50 YR	249.60	249.58	0.02	0.71	0.01	8.89	3.28	4.98	77.37
Junction 2	4043.362	100 Yr	249.67	249.65	0.02	0.73	0.01	10.73	3.77	6.38	79.43
Junction 2	4043.362	Regulatory	250.40	250.34	0.05	0.73	0.01	42.08	10.62	29.44	94.18
Junction 2	3891.055	2 YR	248.54	248.51	0.04	1.79	0.01	0.07	0.41	2.66	27.63
Junction 2	3891.055	5 YR	248.65	248.59	0.07	1.72	0.01	0.23	0.79	5.64	32.12
Junction 2	3891.055	10 YR	248.72	248.63	0.09	1.65	0.02	0.38	1.08	8.06	34.35
Junction 2	3891.055	25 YR	248.81	248.68	0.13	1.58	0.03	0.63	1.50	11.55	36.94
Junction 2	3891.055	50 YR	248.87	248.72	0.15	1.37	0.04	0.89	1.80	14.47	39.19
Junction 2	3891.055	100 Yr	248.93	248.77	0.16	1.16	0.04	1.21	2.10	17.56	40.45
Junction 2	3891.055	Regulatory	249.66	249.47	0.18	0.14	0.05	7.87	6.06	68.21	60.83
Junction 2	3593.722	2 YR	246.75	246.73	0.02	0.90	0.01	1.74	0.94	0.46	25.33
Junction 2	3593.722	5 YR	246.93	246.90	0.02	0.78	0.02	3.68	1.76	1.22	30.70
Junction 2	3593.722	10 YR	247.05	247.02	0.03	0.69	0.03	5.32	2.36	1.84	34.43
Junction 2	3593.722	25 YR	247.19	247.16	0.03	0.56	0.03	7.84	3.13	2.70	38.27
Junction 2	3593.722	50 YR	247.32	247.29	0.03	0.48	0.03	10.03	3.71	3.42	41.66
Junction 2	3593.722	100 Yr	247.45	247.42	0.03	0.39	0.03	12.45	4.25	4.17	45.15
Junction 2	3593.722	Regulatory	249.46	249.45	0.01	0.06	0.14	55.80	8.51	17.83	249.40
Junction 2	3445.696	2 YR	245.84	245.69	0.15			0.86	1.36	1.37	12.19
Junction 2	3445.696	5 YR	246.13	245.87	0.25			1.84	2.57	3.03	21.25
Junction 2	3445.696	10 YR	246.32	246.00	0.32			2.61	3.64	4.35	30.41
Junction 2	3445.696	25 YR	246.60	246.27	0.33			3.73	5.19	6.31	47.06
Junction 2	3445.696	50 YR	246.81	246.45	0.36			4.66	6.49	7.93	51.63
Junction 2	3445.696	100 Yr	247.03	246.66	0.37			5.66	7.87	9.68	57.16
Junction 2	3445.696	Regulatory	249.26	247.88	1.38			21.24	29.51	36.77	91.68
Junction 2	3430.690		Culvert								
Junction 2	3408.654	2 YR	245.74	245.70	0.05	0.16	0.00	0.42	2.73	0.44	11.01
Junction 2	3408.654	5 YR	246.02	245.93	0.10	0.21	0.02	0.95	5.44	1.04	13.88
Junction 2	3408.654	10 YR	246.21	246.06	0.14	0.24	0.04	1.40	7.64	1.55	16.96
Junction 2	3408.654	25 YR	246.44	246.23	0.21	0.26	0.09	2.07	10.85	2.31	22.58
Junction 2	3408.654	50 YR	246.61	246.34	0.27	0.29	0.13	2.63	13.50	2.95	26.38
Junction 2	3408.654	100 Yr	246.78	246.44	0.34	0.30	0.18	3.24	16.33	3.65	29.60
Junction 2	3408.654	Regulatory	247.52	247.37	0.14	0.25	0.07	28.09	26.15	33.27	99.70
Junction 2	3370.597	2 YR	245.58	245.53	0.05	0.67	0.01	1.98	1.36	0.24	14.10
Junction 2	3370.597	5 YR	245.79	245.72	0.07	0.64	0.01	4.39	2.32	0.72	17.88
Junction 2	3370.597	10 YR	245.93	245.84	0.09	0.65	0.01	6.42	2.98	1.19	20.30
Junction 2	3370.597	25 YR	246.09	245.99	0.10	0.66	0.01	9.43	3.83	1.97	23.25
Junction 2	3370.597	50 YR	246.20	246.09	0.11	0.66	0.01	11.95	4.48	2.64	25.21
Junction 2	3370.597	100 Yr	246.30	246.18	0.12	0.67	0.01	14.68	5.13	3.40	27.22
Junction 2	3370.597	Regulatory	247.19	246.93	0.26	0.45	0.02	56.96	13.33	17.23	46.61
Junction 2	3285.540	2 YR	244.90	244.76	0.14	0.31	0.04	1.11	2.29	0.18	10.28
Junction 2	3285.540	5 YR	245.15	244.99	0.16	0.31	0.04	2.84	4.04	0.55	16.89
Junction 2	3285.540	10 YR	245.27	245.08	0.19	0.32	0.05	4.60	5.16	0.83	18.57
Junction 2	3285.540	25 YR	245.41	245.19	0.22	0.33	0.06	7.27	6.70	1.27	20.49
Junction 2	3285.540	50 YR	245.52	245.28	0.24	0.33	0.06	9.59	7.84	1.65	21.96
Junction 2	3285.540	100 Yr	245.62	245.35	0.27	0.33	0.07	12.11	9.02	2.08	23.27
Junction 2	3285.540	Regulatory	246.72	246.54	0.18	0.28	0.04	57.40	19.22	10.90	53.32
Junction 2	3129.259	2 YR	244.15	244.13	0.01	0.29	0.00	0.45	1.80	1.33	31.56
Junction 2	3129.259	5 YR	244.44	244.42	0.02	0.37	0.01	1.15	3.18	3.11	41.51
Junction 2	3129.259	10 YR	244.62	244.60	0.02	0.39	0.02	1.78	4.16	4.65	47.29
Junction 2	3129.259	25 YR	244.82	244.80	0.03	0.41	0.02	2.78	5.47	6.98	54.05

HEC-RAS Plan: Poten- Fut-Regu (Continued)

Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)
Junction 2	3129.259	50 YR	244.97	244.94	0.03	0.43	0.02	3.66	6.46	8.96	58.82
Junction 2	3129.259	100 Yr	245.11	245.08	0.03	0.44	0.03	4.63	7.45	11.13	63.47
Junction 2	3129.259	Regulatory	246.40	246.34	0.06	0.52	0.05	14.26	20.99	52.27	176.06
Junction 2	2938.530	2 YR	243.85	243.79	0.06	1.23	0.01	1.37	1.99	0.23	48.21
Junction 2	2938.530	5 YR	244.06	243.93	0.13	1.22	0.04	2.82	4.00	0.62	59.54
Junction 2	2938.530	10 YR	244.21	244.03	0.18	1.27	0.05	4.03	5.51	1.04	67.96
Junction 2	2938.530	25 YR	244.39	244.16	0.23	1.34	0.07	5.87	7.55	1.81	71.46
Junction 2	2938.530	50 YR	244.52	244.24	0.28	1.38	0.08	7.44	9.20	2.44	73.59
Junction 2	2938.530	100 Yr	244.64	244.31	0.33	1.43	0.09	9.16	10.92	3.12	75.49
Junction 2	2938.530	Regulatory	245.83	245.24	0.59	1.10	0.17	41.71	31.80	14.00	99.71







MAP 2**RAS STA. 3430.69**

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	245.85	245.78	-0.07	245.87	245.82	-0.05
5 YR	246.19	246.05	-0.14	246.15	246.1	-0.05
10 YR	246.54	246.33	-0.21	246.3	246.26	-0.04
25 YR	247.53	246.65	-0.88	246.5	246.44	-0.06
50 YR	247.76	246.94	-0.82	246.69	246.56	-0.13
100 YR	247.63	247.22	-0.41	246.9	246.67	-0.23
Regional	247.88	247.88	0	247.45	247.37	-0.08

LOC 4**RAS STA. 5592.374**

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	254.02	253.79	-0.23	253.82	253.76	-0.06
5 YR	254.48	254.07	-0.41	254.16	253.96	-0.2
10 YR	255.1	254.24	-0.86	254.43	254.08	-0.35
25 YR	255.13	254.44	-0.69	254.76	254.21	-0.55
50 YR	255.39	254.59	-0.8	255	254.36	-0.64
100 YR	256.01	254.74	-1.27	255.25	254.51	-0.74
Regional	256.31	255.73	-0.58	255.25	255.25	0

LOC 1**RAS STA. 6614.672**

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	244.78	244.78	0	244.74	244.74	0
5 YR	245.16	245.16	0	245.04	245.04	0
10 YR	245.56	245.56	0	245.19	245.19	0
25 YR	245.83	245.83	0	245.5	245.5	0
50 YR	245.93	245.93	0	245.81	245.81	0
100 YR	246.13	246.13	0	246	246	0
Regional	247.82	247.79	-0.03	247.48	247.46	-0.02

LOC 3
RAS STA. 550

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	260.18	257.68	-2.5	257.62	257.34	-0.28
5 YR	260.17	258.07	-2.1	258.03	257.56	-0.47
10 YR	260.06	258.4	-1.66	258.45	257.74	-0.71
25 YR	259.68	258.74	-0.94	258.86	257.89	-0.97
50 YR	259.5	258.99	-0.51	258.99	257.99	-1
100 YR	260.44	259.91	-0.53	258.99	258.21	-0.78
Regional	260.44	259.91	-0.53	258.99	258.21	-0.78

MAP 1
RAS STA. 4525.098

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	241.42	241.42	0	240.89	240.89	0
5 YR	241.46	241.46	0	241.32	241.32	0
10 YR	241.55	241.55	0	241.39	241.39	0
25 YR	241.67	241.67	0	241.5	241.5	0
50 YR	241.75	241.75	0	241.58	241.58	0
100 YR	241.8	241.8	0	241.64	241.64	0
Regional	242.98	243.07	0.09	242.93	243.01	0.08

LOC 2
RAS STA. 1924.424

Profile	WSE Upstream (m)		Change in WSE (m)	WSE Downstream (m)		Change in WSE (m)
	Existing	Proposed		Existing	Proposed	
2 YR	252.41	251.81	-0.6	252.11	251.81	-0.3
5 YR	252.94	251.94	-1	252.32	251.93	-0.39
10 YR	252.93	252.01	-0.92	252.43	252	-0.43
25 YR	252.88	252.09	-0.79	252.56	252.08	-0.48
50 YR	252.81	252.15	-0.66	252.62	252.13	-0.49
100 YR	252.69	252.2	-0.49	252.65	252.18	-0.47
Regional	253.04	252.46	-0.58	252.41	252.42	0.01