HEC-RAS Plan: 03 River: LAVAGNA Reach: unico

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	L. Freeboard	R. Freeboard	Mann Wtd Chnl	Vel Head
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		(m)	(m)		(m)
unico	18	50	635.00	99.79	103.81	104.61	107.00	0.012015	7.92	80.19	22.59	1.34	8.39	14.69	0.0286	3.19
unico	18	200	1119.00	99.79	105.45	106.62	109.97	0.012017	9.43	118.72	24.50	1.37	6.75	13.05	0.0286	4.53
unico	17	50	635.00	99.37	105.45	103.95	106.53	0.001818	4.62	137.36	31.60	0.63	7.41	8.35	0.0286	1.09
unico	17	200	1119.00	99.37	104.51	105.82	109.40	0.010439	9.80	114.22	30.44	1.45	8.35	9.29	0.0286	4.89
unico	16.5		Bridge													
unico	16	50	635.00	99.36	105.51	103.55	106.44	0.001384	4.27	148.76	33.95	0.55	8.05	3.49	0.0286	0.93
unico	16	200	1119.00	99.36	107.17	105.42	108.94	0.001913	5.90	189.65	36.59	0.68	6.39	1.83	0.0286	1.77
unico	15	50	635.00	99.30	104.34	104.34	106.26	0.006047	6.14	103.37	27.00	1.00	6.71	4.96	0.0286	1.92
unico	15	200	1119.00	99.30	106.23	106.25	108.77	0.005748	7.06	158.42	31.55	1.01	4.82	3.07	0.0286	2.54
unico	14	50	635.00	98.76	102.75	103.58	105.73	0.012287	7.65	83.01	27.52	1.41	6.82	6.85	0.0286	2.98
unico	14	200	1119.00	98.76	104.22	105.35	108.23	0.011484	8.87	126.17	31.20	1.41	5.35	5.38	0.0286	4.01
unico	13	50	635.00	98.65	103.28	103.28	105.13	0.006067	6.03	105.28	28.54	1.00	6.86	3.07	0.0286	1.85
unico	13	200	1119.00	98.65	105.08	105.08	107.56	0.005719	6.97	160.44	32.61	1.00	5.06	1.26	0.0286	2.48
unico	12	50	635.00	98.70	101.21	102.30	104.77	0.020581	8.36	75.98	33.48	1.77	16.40	5.16	0.0286	3.56
unico	12	200	1119.00	98.70	102.34	103.82	107.15	0.018057	9.72	115.15	35.93	1.73	15.27	4.03	0.0286	4.81
unico	11	50	635.00	97.75	100.61	101.56	103.77	0.018570	7.87	80.67	37.00	1.70	19.17	5.86	0.0286	3.16
unico	11	200	1119.00	97.75	101.53	103.00	106.30	0.019147	9.68	115.59	39.15	1.80	18.25	4.94	0.0286	4.77
unico	10.9	50	635.00	96.93	99.92	101.03	103.56	0.021582	8.45	75.11	34.66	1.83	19.86	6.52	0.0286	3.64
unico	10.9	200	1119.00	96.93	100.89	102.49	106.10	0.021097	10.11	110.68	37.86	1.89	18.89	5.55	0.0286	5.21
unico	10	50	635.00	96.87	101.55	100.77	102.52	0.002990	4.36	145.52	39.13	0.72	14.85	4.63	0.0286	0.97
unico	10	200	1119.00	96.87	104.21	102.22	105.18	0.001749	4.37	255.78	43.87	0.58	12.19	1.97	0.0286	0.98
unico	9.9	50	635.00	96.25	101.75		102.29	0.001365	3.26	194.56	45.42	0.50	14.55	4.77	0.0286	0.54
unico	9.9	200	1119.00	96.25	104.39		105.01	0.000961	3.49	320.53	49.99	0.44	11.91	2.13	0.0286	0.62
unico	9	50	635.00	95.30	101.87		102.23	0.000709	2.66	238.34	44.74	0.37	14.38	4.62	0.0286	0.36
unico	9	200	1119.00	95.30	104.47		104.97	0.000660	3.11	360.12	48.75	0.36	11.78	2.02	0.0286	0.49
unico	8.8	50	635.00	94.70	99.98	99.98	102.02	0.006277	6.32	100.48	24.80	1.00	16.05	4.42	0.0286	2.03
unico	8.8	200	1119.00	94.70	101.93	101.93	104.70	0.006032	7.36	151.96	27.56	1.00	14.10	2.47	0.0286	2.76
unico	8	50	635.00	94.68	99.54	99.78	101.77	0.007422	6.61	96.06	25.57	1.09	16.86	5.09	0.0286	2.23
unico	8	200	1119.00	94.68	101.15	101.66	104.41	0.008019	8.01	139.75	28.63	1.16	15.25	3.48	0.0286	3.27
unico	7.9	50	635.00	94.57	100.20	98.71	100.96	0.001936	3.86	164.36	37.75	0.59	12.65	3.78	0.0286	0.76
unico	7.9	200	1119.00	94.57	102.38	100.33	103.38	0.001771	4.42	253.40	43.67	0.59	10.47	1.60	0.0286	0.99
unico	7	50	635.00	94.40	98.91	98.91	100.72	0.006006	5.95	106.71	29.75	1.00	14.09	3.69	0.0286	1.80
unico	7	200	1119.00	94.40	100.65	100.65	103.11	0.005650	6.94	161.16	32.98	1.00	12.35	1.95	0.0286	2.46
unico	6	50	635.00	92.92	96.19	97.32	99.82	0.018057	8.44	75.24	29.67	1.69	21.31	10.70	0.0286	3.63
unico	6	200	1119.00	92.92	97.47	98.96	102.22	0.016224	9.65	115.94	34.06	1.67	20.03	9.42	0.0286	4.75

HEC-RAS Plan: 03 River: LAVAGNA Reach: unico (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	L. Freeboard	R. Freeboard	Mann Wtd Chnl	Vel Head
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)		(m)	(m)		(m)
unico	5	50	635.00	92.28	95.61	96.52	98.54	0.016027	7.59	83.67	36.35	1.60	14.52	10.75	0.0286	2.93
unico	5	200	1119.00	92.28	100.53	97.92	101.20	0.001088	3.60	310.53	51.90	0.47	9.60	5.83	0.0286	0.66
unico	4	50	635.00	91.94	97.42	96.09	98.23	0.002135	3.99	159.13	37.79	0.62	12.79	8.08	0.0286	0.81
unico	4	200	1119.00	91.94	100.33		101.14	0.001328	3.99	280.36	45.41	0.51	9.88	5.17	0.0286	0.81
unico	3	50	635.00	91.07	96.44	95.82	97.99	0.003205	5.51	115.14	36.56	0.81	6.84	7.98	0.0286	1.55
unico	3	200	1119.00	91.07	98.64	97.71	100.88	0.002786	6.63	168.70	42.71	0.80	4.64	5.78	0.0286	2.24
unico	2.95		Bridge													
unico	2.9	50	635.00	91.07	95.36	95.82	97.96	0.007598	7.15	88.87	33.57	1.19	7.92	9.06	0.0286	2.60
unico	2.9	200	1119.00	91.07	96.99	97.71	100.86	0.006921	8.72	128.39	38.06	1.21	6.29	7.43	0.0286	3.87
unico	2	50	635.00	91.05	95.87	95.87	97.64	0.005950	5.91	107.51	30.43	1.00	4.13	10.13	0.0286	1.78
unico	2	200	1119.00	91.05	96.38	97.63	100.55	0.012512	9.05	123.68	32.09	1.47	3.62	9.62	0.0286	4.17
unico	1	50	635.00	90.76	94.29	94.95	97.05	0.011523	7.36	86.27	27.46	1.33	2.95	11.81	0.0286	2.76
unico	1	200	1119.00	90.76	95.61	96.73	99.79	0.012273	9.06	123.55	28.99	1.40	1.63	10.49	0.0286	4.18