

RAS Model Data

For

Elder and Gerber Creeks – Post with Laguna Spill

Model Schematic Layout

Input Hydrograph Summary

Summary Output Table

RAS Input Hydrograph Summary

River	Reach	Starts or Location	Ends at Xsect	Type	DSS File	DSS Path
ELPER	REACH1	12.205		Flow Hydrograph	hcalc.dss	/ELDER GE/E1A/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	12.02	11.944	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E1C/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	10.507	7.809	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E2/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	10.272		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/RE/ELB/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	9.438		Lateral Inflow Hydrograph	EF6-24HR.dss	/ELDER CRK RD
ELDER	REACH1	7.809		Lateral Inflow Hydrograph	hcalc.dss	REACH1/680/FLOW/01JAN2000/10MIN/EGSOMR100R/
ELDER	REACH1	7.784	7.120	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/CE3E/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	7.697	6.978	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/RE/AB2H/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	7.057	6.978	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/RE/AB3/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	6.903	6.774	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/RE/AB4H/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	6.287	6.070	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/NV3/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH1	11.063		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/R-RE/AB/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	5.359		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E6/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	5.307		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7A/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	4.945		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7B/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	4.642	4.485	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7C/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	4.391	4.240	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7D/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	4.06	3.655	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7E/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	3.286	3.141	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7F/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	3.02	2.794	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7G/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	2.736	2.354	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7H/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	2.29	1.978	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7I/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	1.280		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/E7J/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	0.394		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/R-E13/FLOW/01JAN2000/1MIN/100YR-24HR/
ELDER	REACH2	0.019		Lateral Inflow Hydrograph	hcalc.dss	/FLORIN C/R-CF15/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	CRK R/REACH1	3115		Flow Hydrograph	hcalc.dss	
ELDER	CRK R/REACH1	680		Friction Slope=0.0015	hcalc.dss	
GERBER	REACH1	4.550		Flow Hydrograph	hcalc.dss	/ELDER GE/G2A/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	3.883	2.581	Uniform Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/G2B/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	2.360		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/RG3A/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	2.052		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/G3B/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	1.831	1.800	Uniform Lateral Inflow Hydrograph	EF6-24HR.dss	/TRANSFER REACH TRANSFER
GERBER	REACH1	1.823	1.434	Uniform Lateral Inflow Hydrograph	EF6-24HR.dss	REACH/600/FLOW/01JAN2000/10MIN/100YR-24HR/
GERBER	REACH1	1.343	1.294	Uniform Lateral Inflow Hydrograph	hcalc.dss	/GERBER CREEK/G3D/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	1.162	1.013	Uniform Lateral Inflow Hydrograph	EF6-24HR.dss	/ELDER GE/RNOLTE/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	1.133		Lateral Inflow Hydrograph	EF6-24HR.dss	/CTRR REACH CTRR
GERBER	REACH1	1.068	0.051	Uniform Lateral Inflow Hydrograph	hcalc.dss	REACH/200/FLOW/01JAN2000/10MIN/100YR-24HR/
GERBER	REACH1	G41		Lateral Inflow Hydrograph	hcalc.dss	/GERBER CREEK/G4/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	E26		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/G5/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	E24B		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/NOITE/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	E31		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/EAR/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	G46		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/EB310/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	E28		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/CG46/FLOW/01JAN2000/1MIN/100YR-24HR/
GERBER	REACH1	E28		Lateral Inflow Hydrograph	hcalc.dss	/ELDER GE/CE/BL0/FLOW/01JAN2000/1MIN/100YR-24HR/

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/r)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	4.550	Post 10yr	216.74	68.30	70.49		70.52	0.000855	1.46	212.18	274.16	0.21
GERBER	REACH1	4.550	weirs	372.27	68.30	70.80		70.84	0.001098	1.87	298.42	289.42	0.24
GERBER	REACH1	4.540	Post 10yr	216.91	68.30	70.44		70.47	0.000993	1.54	198.07	271.55	0.22
GERBER	REACH1	4.540	weirs	371.11	68.30	70.73		70.78	0.001294	1.98	278.94	286.04	0.26
GERBER	REACH1	4.450	Post 10yr	198.83	67.20	70.23		70.23	0.000036	0.36	550.62	265.75	0.04
GERBER	REACH1	4.450	weirs	350.47	67.20	70.44		70.44	0.000084	0.58	608.62	277.58	0.07
GERBER	REACH1	4.370	Post 10yr	195.40	66.20	70.21		70.21	0.000036	0.46	600.15	1108.04	0.05
GERBER	REACH1	4.370	weirs	344.58	66.20	70.41		70.41	0.000077	0.70	819.17	1137.79	0.07
GERBER	REACH1	4.328		Lat Struct									
GERBER	REACH1	4.285	Post 10yr	59.50	65.70	70.20		70.20	0.000001	0.06	1153.66	1177.40	0.01
GERBER	REACH1	4.285	weirs	84.10	65.70	70.39		70.39	0.000001	0.06	1377.50	1188.85	0.01
GERBER	REACH1	4.237	Post 10yr	59.34	65.50	70.20		70.20	0.000013	0.26	299.71	469.60	0.03
GERBER	REACH1	4.237	weirs	63.84	65.50	70.39		70.39	0.000011	0.24	389.28	474.74	0.03
GERBER	REACH1	4.120	Post 10yr	59.18	65.40	70.20		70.20	0.000011	0.25	271.59	262.38	0.03
GERBER	REACH1	4.120	weirs	63.44	65.40	70.39		70.39	0.000009	0.24	322.62	272.49	0.02
GERBER	REACH1	4.066	Post 10yr	59.17	65.50	70.19	65.70	70.19	0.000001	0.07	1036.39	333.95	0.01
GERBER	REACH1	4.066	weirs	63.46	65.50	70.39	65.71	70.39	0.000001	0.07	1100.46	336.97	0.01
GERBER	REACH1	4.064		Int Struct									
GERBER	REACH1	3.985	Post 10yr	59.17	66.00	70.19		70.19	0.000002	0.13	707.84	249.78	0.01
GERBER	REACH1	3.985	weirs	63.46	66.00	70.38		70.38	0.000002	0.13	755.92	252.42	0.01
GERBER	REACH1	3.982	Post 10yr	59.17	66.00	70.19		70.19	0.000002	0.13	707.84	249.78	0.01
GERBER	REACH1	3.982	weirs	63.46	66.00	70.38		70.38	0.000002	0.13	755.92	252.42	0.01
GERBER	REACH1	3.974		Culvert									
GERBER	REACH1	3.967	Post 10yr	59.17	66.00	66.62		66.67	0.004657	1.89	39.60	93.23	0.40
GERBER	REACH1	3.967	weirs	63.46	66.00	66.66		66.70	0.004258	1.68	43.02	96.46	0.39
GERBER	REACH1	3.912	Post 10yr	59.16	62.80	65.23		65.38	0.004337	3.16	18.71	11.22	0.43
GERBER	REACH1	3.912	weirs	63.45	62.80	65.30		65.46	0.004459	3.25	19.50	11.42	0.44
GERBER	REACH1	3.893	Post 10yr	59.16	63.30	64.98		65.05	0.002197	2.17	27.24	16.20	0.30
GERBER	REACH1	3.893	weirs	63.45	63.30	65.05		65.13	0.002246	2.24	28.30	16.20	0.30
GERBER	REACH1	3.888		Culvert									
GERBER	REACH1	3.883	Post 10yr	59.08	63.10	64.18	64.49	65.21	0.133970	8.15	7.25	10.47	1.73
GERBER	REACH1	3.883	weirs	63.27	63.10	64.23	64.55	65.26	0.126754	8.16	7.75	10.69	1.69
GERBER	REACH1	3.642	Post 10yr	57.39	56.30	58.83		58.84	0.000311	0.70	82.46	40.18	0.09
GERBER	REACH1	3.642	weirs	61.88	56.30	59.33		59.33	0.000189	0.60	103.21	43.17	0.07
GERBER	REACH1	3.604	Post 10yr	63.16	56.20	58.76		58.77	0.000356	0.75	84.58	41.06	0.09
GERBER	REACH1	3.604	weirs	71.49	56.20	59.28		59.29	0.000232	0.67	106.86	44.33	0.08
GERBER	REACH1	3.566	Post 10yr	67.49	56.00	58.71		58.72	0.000337	0.75	89.77	41.30	0.09
GERBER	REACH1	3.566	weirs	78.69	56.00	59.25		59.25	0.000237	0.70	112.85	44.54	0.08
GERBER	REACH1	3.528	Post 10yr	77.65	55.80	58.55		58.56	0.000421	0.85	91.52	41.51	0.10
GERBER	REACH1	3.528	weirs	95.65	55.80	59.13		59.14	0.000319	0.82	116.45	44.97	0.09
GERBER	REACH1	3.490	Post 10yr	87.67	55.80	58.36		58.37	0.000534	0.98	91.65	41.53	0.11
GERBER	REACH1	3.490	weirs	112.50	55.80	58.97		58.99	0.000421	0.95	118.46	45.24	0.10
GERBER	REACH1	3.452	Post 10yr	93.21	55.50	58.24		58.25	0.000620	1.03	90.84	41.41	0.12
GERBER	REACH1	3.452	weirs	121.88	55.50	58.88		58.89	0.000491	1.03	118.65	45.26	0.11
GERBER	REACH1	3.415	Post 10yr	98.64	55.30	58.11		58.13	0.000631	1.05	93.85	41.85	0.12
GERBER	REACH1	3.415	weirs	131.20	55.30	58.77		58.79	0.000514	1.07	123.01	45.84	0.11
GERBER	REACH1	3.377	Post 10yr	103.99	55.10	57.98		58.00	0.000642	1.07	96.80	42.27	0.13
GERBER	REACH1	3.377	weirs	140.44	55.10	58.66		58.68	0.000535	1.10	127.24	46.39	0.12
GERBER	REACH1	3.339	Post 10yr	109.31	54.90	57.88		57.89	0.000404	0.80	136.74	66.34	0.10
GERBER	REACH1	3.339	weirs	149.67	54.90	58.59		58.60	0.000304	0.81	165.59	71.74	0.09
GERBER	REACH1	3.301	Post 10yr	114.62	54.70	57.80		57.81	0.000427	0.83	138.49	66.43	0.10
GERBER	REACH1	3.301	weirs	158.89	54.70	58.52		58.53	0.000326	0.84	188.84	72.08	0.09
GERBER	REACH1	3.263	Post 10yr	119.93	54.50	57.71		57.72	0.000448	0.85	140.28	66.43	0.10
GERBER	REACH1	3.263	weirs	168.12	54.50	58.45		58.47	0.000347	0.88	192.12	72.32	0.09
GERBER	REACH1	3.225	Post 10yr	125.21	54.40	57.59		57.61	0.000639	1.13	110.44	44.29	0.13

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	3.225	weirs	177.35	54.40	58.35		58.37	0.000581	1.22	145.85	48.89	0.12
GERBER	REACH1	3.187	Post 10yr	130.46	54.20	57.46		57.48	0.000638	1.15	113.68	44.68	0.13
GERBER	REACH1	3.187	weirs	186.57	54.20	58.23		58.25	0.000585	1.25	149.80	49.30	0.13
GERBER	REACH1	3.149	Post 10yr	135.69	54.00	57.33		57.35	0.000643	1.17	116.42	44.97	0.13
GERBER	REACH1	3.149	weirs	195.78	54.00	58.10		58.13	0.000616	1.28	153.03	49.61	0.13
GERBER	REACH1	3.112	Post 10yr	140.87	53.80	57.20		57.22	0.000642	1.18	119.56	45.38	0.13
GERBER	REACH1	3.112	weirs	204.98	53.80	57.97		58.00	0.000632	1.31	156.60	50.04	0.13
GERBER	REACH1	3.074	Post 10yr	146.02	53.70	57.06		57.08	0.000719	1.24	117.92	45.25	0.14
GERBER	REACH1	3.074	weirs	214.18	53.70	57.83		57.86	0.000714	1.38	154.85	49.93	0.14
GERBER	REACH1	3.036	Post 10yr	151.13	53.50	56.91		56.93	0.000734	1.26	119.64	45.18	0.14
GERBER	REACH1	3.036	weirs	223.38	53.50	57.68		57.71	0.000750	1.43	156.34	49.76	0.14
GERBER	REACH1	2.998	Post 10yr	156.20	53.30	56.76		56.79	0.000740	1.28	122.03	45.44	0.14
GERBER	REACH1	2.998	weirs	232.57	53.30	57.53		57.56	0.000780	1.47	158.53	49.94	0.15
GERBER	REACH1	2.960	Post 10yr	161.23	53.10	56.61		56.63	0.000755	1.30	123.82	45.59	0.14
GERBER	REACH1	2.960	weirs	225.83	53.10	57.37		57.41	0.000710	1.41	160.49	50.06	0.14
GERBER	REACH1	2.922	Post 10yr	166.30	52.90	56.51		56.52	0.000338	0.82	203.82	84.12	0.09
GERBER	REACH1	2.922	weirs	231.92	52.90	57.29		57.30	0.000279	0.85	272.05	90.73	0.09
GERBER	REACH1	2.884	Post 10yr	171.38	52.80	56.42		56.44	0.000501	1.01	170.01	68.38	0.11
GERBER	REACH1	2.884	weirs	238.28	52.80	57.22		57.23	0.000421	1.05	227.16	75.54	0.11
GERBER	REACH1	2.846	Post 10yr	176.47	52.60	56.29		56.31	0.000752	1.33	132.19	46.74	0.14
GERBER	REACH1	2.846	weirs	243.91	52.60	57.09		57.12	0.000685	1.42	171.81	51.50	0.14
GERBER	REACH1	2.808	Post 10yr	181.56	52.40	56.13		56.16	0.000760	1.35	134.38	47.02	0.14
GERBER	REACH1	2.808	weirs	249.49	52.40	56.95		56.98	0.000680	1.43	175.00	51.86	0.14
GERBER	REACH1	2.771	Post 10yr	186.65	52.20	55.98		56.01	0.000763	1.36	137.03	47.55	0.14
GERBER	REACH1	2.771	weirs	255.20	52.20	56.82		56.85	0.000671	1.43	179.04	52.56	0.14
GERBER	REACH1	2.744		Lat Struct									
GERBER	REACH1	2.733	Post 10yr	191.74	52.10	55.80		55.83	0.000940	1.51	126.60	43.46	0.16
GERBER	REACH1	2.733	weirs	213.83	52.10	56.71		56.74	0.000518	1.27	168.50	48.03	0.12
GERBER	REACH1	2.695	Post 10yr	186.82	51.90	55.62		55.65	0.000896	1.46	134.80	47.56	0.15
GERBER	REACH1	2.695	weirs	267.29	51.90	56.57		56.60	0.000698	1.46	183.01	53.35	0.14
GERBER	REACH1	2.657	Post 10yr	201.90	51.70	55.44		55.47	0.000859	1.42	142.49	51.18	0.15
GERBER	REACH1	2.657	weirs	273.31	51.70	56.44		56.47	0.000636	1.39	197.07	58.17	0.13
GERBER	REACH1	2.619	Post 10yr	206.95	51.50	55.26		55.30	0.000880	1.44	143.83	51.42	0.15
GERBER	REACH1	2.619	weirs	279.06	51.50	56.31		56.34	0.000624	1.39	201.49	58.77	0.13
GERBER	REACH1	2.581	Post 10yr	211.93	51.30	55.08	52.52	55.11	0.000952	1.51	140.30	49.32	0.16
GERBER	REACH1	2.581	weirs	283.57	51.30	56.18	52.77	56.21	0.000642	1.43	198.62	56.42	0.13
GERBER	REACH1	2.535		Bridge									
GERBER	REACH1	2.518	Post 10yr	211.53	50.80	54.82		54.88	0.001561	1.94	109.18	37.65	0.20
GERBER	REACH1	2.518	weirs	225.22	50.90	56.01		56.04	0.000637	1.43	157.65	43.67	0.13
GERBER	REACH1	2.483	Post 10yr	211.10	50.50	54.66		54.68	0.000510	1.02	206.94	82.93	0.11
GERBER	REACH1	2.483	weirs	225.11	50.50	55.96		55.97	0.000158	0.70	321.12	93.51	0.07
GERBER	REACH1	2.465	Post 10yr	210.67	50.40	54.62		54.63	0.000470	0.98	216.09	87.23	0.11
GERBER	REACH1	2.465	weirs	224.98	50.40	55.94		55.95	0.000141	0.66	339.45	98.86	0.06
GERBER	REACH1	2.436	Post 10yr	210.22	50.10	54.54		54.56	0.000473	1.00	211.00	82.74	0.11
GERBER	REACH1	2.436	weirs	224.78	50.10	55.92		55.93	0.000141	0.67	333.13	94.60	0.06
GERBER	REACH1	2.415	Post 10yr	208.65	49.90	54.49		54.51	0.000449	0.96	218.25	86.82	0.11
GERBER	REACH1	2.415	weirs	224.62	49.90	55.91		55.91	0.000129	0.64	349.91	99.55	0.06
GERBER	REACH1	2.396	Post 10yr	208.84	49.70	54.45		54.47	0.000418	1.06	197.95	64.86	0.11
GERBER	REACH1	2.396	weirs	224.26	49.70	55.89		55.90	0.000154	0.74	301.66	78.94	0.07
GERBER	REACH1	2.378		Lat Struct									
GERBER	REACH1	2.360	Post 10yr	207.23	49.30	54.37		54.39	0.000372	1.05	197.36	59.33	0.10
GERBER	REACH1	2.360	weirs	223.61	49.30	55.86		55.87	0.000146	0.76	294.67	71.32	0.07
GERBER	REACH1	2.332	Post 10yr	344.38	49.00	54.17		54.23	0.001299	2.01	171.59	49.26	0.19
GERBER	REACH1	2.332	weirs	521.12	49.00	55.67		55.74	0.001035	2.06	252.52	58.49	0.18
GERBER	REACH1	2.305	Post 10yr	343.97	48.80	54.04		54.08	0.000851	1.64	209.58	60.32	0.16

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	2.305	weirs	519.86	48.80	55.57		55.62	0.000669	1.87	311.38	72.23	0.14
GERBER	REACH1	2.268	Post 10yr	343.53	48.40	53.88		53.92	0.000760	1.58	216.92	59.84	0.15
GERBER	REACH1	2.268	weirs	518.70	48.40	55.45		55.49	0.000602	1.62	320.02	71.46	0.13
GERBER	REACH1	2.220	Post 10yr	343.19	47.90	53.65		53.70	0.000946	1.82	188.75	49.01	0.16
GERBER	REACH1	2.220	weirs	517.79	47.90	55.26		55.32	0.000773	1.88	274.95	58.00	0.15
GERBER	REACH1	2.194	Post 10yr	343.14	47.70	53.57		53.60	0.000596	1.42	242.45	66.15	0.13
GERBER	REACH1	2.194	weirs	517.64	47.70	55.20		55.23	0.000460	1.43	361.97	80.00	0.12
GERBER	REACH1	2.177	Post 10yr	343.10	47.50	53.53		53.56	0.000338	1.24	277.06	59.07	0.10
GERBER	REACH1	2.177	weirs	517.57	47.50	55.17		55.20	0.000315	1.36	379.64	66.17	0.10
GERBER	REACH1	2.172	Post 10yr	343.10	47.50	53.53		53.55	0.000266	1.13	303.62	61.73	0.09
GERBER	REACH1	2.172	weirs	517.57	47.50	55.17		55.19	0.000255	1.28	409.78	67.84	0.09
GERBER	REACH1	2.150	Post 10yr	343.09	47.30	53.50		53.51	0.000381	1.01	339.34	106.90	0.10
GERBER	REACH1	2.150	weirs	517.52	47.30	55.15		55.16	0.000227	0.99	522.95	115.17	0.08
GERBER	REACH1	2.13	Post 10yr	343.08	47.10	53.41		53.46	0.000720	1.65	207.74	50.62	0.14
GERBER	REACH1	2.13	weirs	517.49	47.10	55.08		55.12	0.000605	1.72	300.17	60.26	0.14
GERBER	REACH1	2.116	Post 10yr	343.08	46.90	53.33		53.39	0.001001	2.01	170.41	38.01	0.17
GERBER	REACH1	2.116	weirs	517.49	46.90	55.00		55.07	0.000908	2.17	238.69	43.97	0.16
GERBER	REACH1	2.103	Culvert										
GERBER	REACH1	2.092	Post 10yr	343.08	46.70	52.91		53.00	0.001813	2.39	143.75	39.87	0.22
GERBER	REACH1	2.092	weirs	517.34	46.70	54.00		54.12	0.001943	2.72	190.24	45.60	0.23
GERBER	REACH1	2.052	Post 10yr	343.06	46.40	52.53		52.62	0.001824	2.35	145.72	41.70	0.22
GERBER	REACH1	2.052	weirs	517.28	46.40	53.60		53.71	0.001942	2.68	193.30	47.80	0.23
GERBER	REACH1	2.027	Post 10yr	369.91	46.10	52.24		52.34	0.002170	2.58	143.48	40.74	0.24
GERBER	REACH1	2.027	weirs	554.31	46.10	53.27		53.41	0.002337	2.94	188.64	46.49	0.26
GERBER	REACH1	1.968	Post 10yr	369.38	45.70	51.57		51.67	0.002168	2.46	150.12	46.35	0.24
GERBER	REACH1	1.968	weirs	552.68	45.70	52.58		52.70	0.002246	2.76	200.19	53.39	0.25
GERBER	REACH1	1.914	Post 10yr	368.62	45.20	50.90		51.00	0.002473	2.52	146.05	48.07	0.26
GERBER	REACH1	1.914	weirs	89.67	45.20	52.50		52.50	0.000045	0.36	234.07	64.76	0.04
GERBER	REACH1	1.883	Post 10yr	367.88	44.90	50.50		50.60	0.002516	2.53	145.30	48.35	0.26
GERBER	REACH1	1.883	weirs	89.66	44.90	52.50		52.50	0.000032	0.35	257.95	64.36	0.03
GERBER	REACH1	1.843	Post 10yr	366.79	44.60	50.07	47.34	50.15	0.001762	2.21	165.72	51.77	0.22
GERBER	REACH1	1.843	weirs	89.64	44.60	52.49	46.15	52.49	0.000019	0.29	312.13	69.23	0.02
GERBER	REACH1	1.832	Bridge										
GERBER	REACH1	1.831	Post 10yr	366.63	44.60	50.01		50.09	0.000827	2.26	162.41	51.30	0.22
GERBER	REACH1	1.831	weirs	89.64	44.60	52.49		52.49	0.000008	0.29	312.08	69.23	0.02
GERBER	REACH1	1.823	Post 10yr	366.17	44.40	49.25		49.31	0.001631	1.95	187.63	67.69	0.21
GERBER	REACH1	1.823	weirs	794.39	44.40	52.09		52.14	0.000815	1.86	421.55	94.80	0.16
GERBER	REACH1	1.800	Post 10yr	372.19	44.20	49.08		49.13	0.001191	1.76	211.48	70.10	0.18
GERBER	REACH1	1.800	weirs	926.98	44.20	51.95		52.02	0.000900	2.08	445.99	93.17	0.17
GERBER	REACH1	1.756	Post 10yr	381.36	43.80	48.79		48.84	0.001243	1.81	210.50	68.97	0.18
GERBER	REACH1	1.756	weirs	927.45	43.80	51.75		51.81	0.000875	2.06	450.70	93.57	0.17
GERBER	REACH1	1.719	Post 10yr	389.43	43.50	48.54		48.60	0.001212	1.87	208.25	63.67	0.18
GERBER	REACH1	1.719	weirs	927.43	43.50	51.57		51.64	0.000878	2.16	429.68	82.75	0.17
GERBER	REACH1	1.687	Post 10yr	396.27	43.20	48.33		48.39	0.001253	1.87	211.81	66.50	0.18
GERBER	REACH1	1.687	weirs	927.59	43.20	51.43		51.50	0.000810	2.04	454.01	89.75	0.16
GERBER	REACH1	1.643	Post 10yr	405.58	42.90	48.04		48.10	0.001241	1.91	212.42	64.01	0.18
GERBER	REACH1	1.643	weirs	928.06	42.90	51.25		51.32	0.000771	2.06	450.12	84.11	0.16
GERBER	REACH1	1.610	Post 10yr	413.62	42.60	47.89		47.93	0.000674	1.46	283.82	81.60	0.14
GERBER	REACH1	1.610	weirs	928.60	42.60	51.17		51.21	0.000417	1.58	588.94	104.50	0.12
GERBER	REACH1	1.570	Post 10yr	423.28	42.30	47.69		47.74	0.001062	1.81	233.48	67.72	0.17
GERBER	REACH1	1.570	weirs	929.33	42.30	51.05		51.10	0.000602	1.86	499.38	90.55	0.14
GERBER	REACH1	1.485	Post 10yr	443.43	41.60	47.22		47.27	0.001020	1.77	250.86	73.68	0.17
GERBER	REACH1	1.485	weirs	930.97	41.60	50.82		50.87	0.000461	1.63	572.47	104.86	0.12
GERBER	REACH1	1.434	Post 10yr	456.03	41.20	46.95		47.00	0.000992	1.80	253.71	71.03	0.17
GERBER	REACH1	1.434	weirs	932.07	41.20	50.71		50.75	0.000386	1.64	568.40	98.86	0.11

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	1.417											
				Culvert									
GERBER	REACH1	1.402	Post 10yr	450.88	41.00	46.49		46.59	0.001323	2.49	181.25	59.68	0.20
GERBER	REACH1	1.402	weirs	924.23	41.00	48.97		49.14	0.001337	3.33	277.92	70.60	0.22
GERBER	REACH1	1.343	Post 10yr	448.05	40.70	46.31		46.32	0.000276	0.95	471.55	132.52	0.09
GERBER	REACH1	1.343	weirs	923.89	40.70	48.84		48.86	0.000210	1.12	827.08	148.04	0.08
GERBER	REACH1	1.294	Post 10yr	447.46	40.50	46.27		46.27	0.000128	0.84	697.86	199.02	0.06
GERBER	REACH1	1.294	weirs	923.76	40.50	48.82		48.83	0.000092	0.75	1226.74	215.19	0.06
GERBER	REACH1	1.252	Post 10yr	447.22	40.40	46.24		46.25	0.000101	0.57	784.23	224.61	0.05
GERBER	REACH1	1.252	weirs	922.36	40.40	48.80		48.81	0.000072	0.87	1380.38	241.57	0.05
GERBER	REACH1	1.235		Let Struct									
GERBER	REACH1	1.219	Post 10yr	447.09	40.20	46.20	42.65	46.22	0.000246	0.91	488.73	133.65	0.08
GERBER	REACH1	1.219	weirs	925.29	40.20	48.77	43.21	48.78	0.000201	1.07	867.55	162.15	0.08
GERBER	REACH1	1.200		Bridge									
GERBER	REACH1	1.182	Post 10yr	446.82	39.90	45.99		46.03	0.000762	1.87	267.38	88.06	0.15
GERBER	REACH1	1.182	weirs	925.05	39.90	48.56		48.62	0.000699	2.00	462.31	83.82	0.15
GERBER	REACH1	1.133	Post 10yr	456.68	39.60	45.81		45.85	0.000664	1.53	297.89	78.15	0.14
GERBER	REACH1	1.133	weirs	973.16	39.60	48.39		48.44	0.000622	1.85	526.45	89.27	0.14
GERBER	REACH1	1.09	Post 10yr	525.35	39.40	45.61		45.66	0.000879	1.78	294.61	76.11	0.16
GERBER	REACH1	1.09	weirs	1016.75	39.40	48.23		48.29	0.000672	1.95	520.17	95.30	0.15
GERBER	REACH1	1.068	Post 10yr	529.42	39.20	45.51		45.55	0.000938	1.71	308.79	89.22	0.16
GERBER	REACH1	1.068	weirs	1036.83	39.20	48.16		48.21	0.000602	1.83	568.83	106.67	0.14
GERBER	REACH1	1.032	Post 10yr	538.12	39.00	45.31		45.36	0.001067	1.79	300.94	89.80	0.17
GERBER	REACH1	1.032	weirs	1074.42	39.00	48.04		48.09	0.000650	1.88	571.58	108.75	0.14
GERBER	REACH1	1.013	Post 10yr	542.31	38.90	45.20		45.27	0.000839	2.06	263.17	72.53	0.16
GERBER	REACH1	1.013	weirs	1092.16	38.90	47.91		48.02	0.000798	2.69	406.68	90.65	0.17
GERBER	REACH1	1.004		Culvert									
GERBER	REACH1	0.997	Post 10yr	540.12	38.70	44.81		44.95	0.001834	2.97	181.65	67.57	0.23
GERBER	REACH1	0.997	weirs	1091.02	38.70	47.15		47.42	0.001929	4.14	263.50	81.60	0.27
GERBER	REACH1	0.994	Post 10yr	540.72	38.70	44.87		44.92	0.000887	1.93	280.68	70.10	0.17
GERBER	REACH1	0.994	weirs	1091.28	38.70	47.29		47.38	0.000945	2.33	468.17	85.14	0.17
GERBER	REACH1	0.936	Post 10yr	542.06	38.50	44.63		44.67	0.000684	1.60	338.72	85.56	0.14
GERBER	REACH1	0.936	weirs	1091.23	38.50	47.08		47.14	0.000633	1.91	571.21	104.04	0.14
GERBER	REACH1	0.895	Post 10yr	543.55	38.40	44.54		44.56	0.000295	1.08	504.54	123.75	0.09
GERBER	REACH1	0.895	weirs	1091.33	38.40	47.01		47.04	0.000273	1.31	835.38	144.29	0.10
GERBER	REACH1	0.872	Post 10yr	544.55	38.40	44.50		44.52	0.000394	1.07	507.98	154.75	0.10
GERBER	REACH1	0.872	weirs	1091.44	38.40	46.98		47.00	0.000260	1.19	917.31	175.05	0.09
GERBER	REACH1	0.844	Post 10yr	545.46	38.30	44.41		44.44	0.000631	1.53	356.42	90.78	0.14
GERBER	REACH1	0.844	weirs	1091.50	38.30	46.90		46.95	0.000560	1.80	607.49	111.02	0.14
GERBER	REACH1	0.769	Post 10yr	548.19	38.10	44.13		44.17	0.000732	1.62	338.63	88.57	0.15
GERBER	REACH1	0.769	weirs	1091.73	38.10	46.66		46.71	0.000611	1.85	589.27	109.75	0.14
GERBER	REACH1	0.702	Post 10yr	550.58	37.90	43.86		43.91	0.000788	1.88	326.80	84.88	0.15
GERBER	REACH1	0.702	weirs	1092.01	37.90	46.44		46.50	0.000633	1.91	570.82	103.60	0.14
GERBER	REACH1	0.693	Post 10yr	550.45	37.90	43.88		43.84	0.002174	3.26	168.73	61.30	0.26
GERBER	REACH1	0.693	weirs	1092.01	37.90	46.18		46.46	0.002128	4.26	258.16	75.73	0.28
GERBER	REACH1	0.679		Culvert									
GERBER	REACH1	0.666	Post 10yr	548.20	37.70	43.35		43.61	0.003426	4.08	134.44	56.99	0.33
GERBER	REACH1	0.666	weirs	1091.78	37.70	45.60		46.07	0.003777	5.53	197.39	70.48	0.37
GERBER	REACH1	0.655	Post 10yr	549.05	37.60	43.39		43.44	0.000956	1.84	298.09	78.13	0.17
GERBER	REACH1	0.655	weirs	1091.90	37.60	45.78		45.85	0.000844	2.17	503.58	93.61	0.16
GERBER	REACH1	0.627	Post 10yr	549.24	37.50	43.26		43.31	0.000873	1.68	328.58	92.36	0.16
GERBER	REACH1	0.627	weirs	1091.97	37.50	45.69		45.74	0.000666	1.90	575.22	109.41	0.15
GERBER	REACH1	0.61	Post 10yr	550.07	37.40	43.24		43.26	0.000218	0.93	590.20	143.27	0.08
GERBER	REACH1	0.61	weirs	1092.06	37.40	45.68		45.70	0.000196	1.14	980.59	159.02	0.08
GERBER	REACH1	0.598	Post 10yr	550.10	37.40	43.18		43.22	0.000838	1.73	318.02	159.53	0.16
GERBER	REACH1	0.598	weirs	1092.12	37.40	45.67		45.69	0.000201	1.10	1060.92	208.07	0.08

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Cntl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	0.586	Post 10yr	550.12	37.30	43.12		43.17	0.000867	1.75	313.47	99.35	0.16
GERBER	REACH1	0.586	weirs	1092.18	37.30	45.62		45.67	0.000568	1.83	647.44	144.89	0.14
GERBER	REACH1	0.587	Post 10yr	550.45	37.20	43.04		43.09	0.000828	1.72	320.10	105.12	0.15
GERBER	REACH1	0.567	weirs	1092.26	37.20	45.57		45.61	0.000525	1.78	668.25	145.95	0.13
GERBER	REACH1	0.555	Post 10yr	550.73	37.10	43.00		43.04	0.000643	1.53	359.64	92.12	0.14
GERBER	REACH1	0.555	weirs	1092.32	37.10	45.53		45.58	0.000535	1.80	607.04	103.87	0.13
GERBER	REACH1	0.539	Post 10yr	550.90	37.10	42.94		42.98	0.000714	1.59	347.11	90.40	0.14
GERBER	REACH1	0.539	weirs	1092.37	37.10	45.48		45.53	0.000556	1.90	576.10	90.40	0.13
GERBER	REACH1	0.527	Post 10yr	551.15	37.00	42.89		42.93	0.000846	1.72	321.35	85.90	0.16
GERBER	REACH1	0.527	weirs	1092.43	37.00	45.44		45.49	0.000672	1.93	566.70	106.69	0.15
GERBER	REACH1	0.486	Post 10yr	551.27	36.80	42.72		42.76	0.000764	1.65	334.84	88.02	0.15
GERBER	REACH1	0.486	weirs	1092.62	36.80	45.30		45.35	0.000606	1.86	588.89	108.56	0.14
GERBER	REACH1	0.459	Post 10yr	551.88	36.70	42.64		42.67	0.000467	1.34	412.24	106.07	0.12
GERBER	REACH1	0.458	weirs	1092.75	36.70	45.25		45.28	0.000390	1.52	718.10	128.66	0.11
GERBER	REACH1	0.434	Post 10yr	552.13	36.50	42.56		42.59	0.000660	1.52	364.21	87.63	0.14
GERBER	REACH1	0.434	weirs	1092.87	36.50	45.18		45.22	0.000499	1.67	654.70	122.84	0.13
GERBER	REACH1	0.367	Post 10yr	552.67	36.20	42.31		42.35	0.000700	1.59	346.91	90.00	0.14
GERBER	REACH1	0.367	weirs	1093.20	36.20	44.99		45.04	0.000541	1.77	619.18	113.23	0.13
GERBER	REACH1	0.346	Post 10yr	551.28	36.10	42.15		42.25	0.001232	2.54	217.13	70.81	0.20
GERBER	REACH1	0.346	weirs	1093.27	36.10	44.79		44.96	0.001193	3.31	330.57	84.00	0.21
GERBER	REACH1	0.338		Culvert									
GERBER	REACH1	0.328	Post 10yr	548.32	35.90	42.01		42.12	0.001349	2.62	209.39	63.26	0.21
GERBER	REACH1	0.328	weirs	1093.21	35.90	44.21		44.42	0.001584	3.62	301.86	76.47	0.24
GERBER	REACH1	0.293	Post 10yr	547.38	35.70	41.91		41.93	0.000484	1.34	407.47	103.38	0.12
GERBER	REACH1	0.293	weirs	1093.36	35.70	44.16		44.20	0.000464	1.69	848.52	110.96	0.12
GERBER	REACH1	.284		Lat Strud									
GERBER	REACH1	0.271	Post 10yr	546.60	35.60	41.84		41.87	0.000594	1.51	361.71	89.60	0.13
GERBER	REACH1	0.271	weirs	1090.61	35.60	44.08		44.14	0.000613	1.87	582.46	106.91	0.14
GERBER	REACH1	0.216	Post 10yr	544.00	35.30	41.67		41.71	0.000533	1.46	373.82	90.33	0.13
GERBER	REACH1	0.216	weirs	1088.72	35.30	43.91		43.96	0.000573	1.83	595.14	107.47	0.14
GERBER	REACH1	0.155	Post 10yr	539.36	35.00	41.50		41.54	0.000534	1.47	367.44	87.68	0.13
GERBER	REACH1	0.155	weirs	1085.44	35.00	43.72		43.78	0.000566	1.87	580.63	104.39	0.14
GERBER	REACH1	0.093	Post 10yr	535.01	34.60	41.35		41.38	0.000408	1.34	399.83	89.48	0.11
GERBER	REACH1	0.093	weirs	1081.17	34.60	43.55		43.60	0.000496	1.76	612.67	104.36	0.13
GERBER	REACH1	0.051	Post 10yr	532.14	34.40	41.27		41.30	0.000384	1.31	405.62	89.28	0.11
GERBER	REACH1	0.051	weirs	1078.00	34.40	43.44		43.49	0.000482	1.75	615.46	103.74	0.13
GERBER	REACH1	0.000	Post 10yr	528.18	34.00	41.19		41.21	0.000257	1.07	492.20	108.29	0.09
GERBER	REACH1	0.000	weirs	1074.32	34.00	43.35		43.38	0.000309	1.46	733.92	113.10	0.10
ELDER	REACH1	12.205	Post 10yr	260.92	89.50	91.68		91.75	0.002595	2.01	130.12	119.20	0.34
ELDER	REACH1	12.205	weirs	452.74	89.50	92.25		92.32	0.002291	2.20	206.12	150.03	0.33
ELDER	REACH1	12.144	Post 10yr	258.87	88.36	90.92		90.99	0.002092	2.16	123.75	110.25	0.32
ELDER	REACH1	12.144	weirs	450.46	88.36	91.55		91.64	0.001717	2.50	201.25	132.02	0.31
ELDER	REACH1	12.072	Post 10yr	239.77	87.50	90.33		90.37	0.001077	1.57	153.30	113.58	0.23
ELDER	REACH1	12.072	weirs	434.41	87.50	91.03		91.08	0.000969	1.86	250.51	178.26	0.23
ELDER	REACH1	12.02	Post 10yr	231.74	86.52	90.12		90.15	0.000563	1.77	245.04	283.05	0.18
ELDER	REACH1	12.02	weirs	402.91	86.52	90.84		90.87	0.000410	1.75	469.19	336.19	0.16
ELDER	REACH1	11.944	Post 10yr	442.85	85.50	90.01		90.02	0.000178	1.13	753.67	428.34	0.11
ELDER	REACH1	11.944	weirs	862.75	85.50	90.72		90.74	0.000253	1.53	1064.97	453.16	0.13
ELDER	REACH1	11.883	Post 10yr	442.21	85.50	89.98		89.98	0.000063	0.67	1203.69	580.48	0.06
ELDER	REACH1	11.883	weirs	822.09	85.50	90.67		90.67	0.000095	0.93	1669.02	666.34	0.08
ELDER	REACH1	11.848	Post 10yr	442.11	82.50	89.94		89.96	0.000226	1.32	334.50	553.75	0.12
ELDER	REACH1	11.848	weirs	841.98	82.50	90.64		90.64	0.000051	0.70	2432.02	1198.24	0.06
ELDER	REACH1	11.835		Culvert									
ELDER	REACH1	11.822	Post 10yr	442.09	82.50	87.18		87.63	0.003380	5.36	82.24	78.46	0.44
ELDER	REACH1	11.822	weirs	988.47	82.50	88.26		88.54	0.003395	4.79	360.64	374.30	0.45

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	11.724	Post 10yr	441.83	83.19	86.17		86.24	0.001599	2.65	253.27	202.15	0.30
ELDER	REACH1	11.724	weirs	1082.69	83.19	87.15		87.28	0.002057	3.78	484.49	255.04	0.36
ELDER	REACH1	11.859	Post 10yr	441.77	82.38	85.66		85.73	0.001392	2.53	272.42	182.02	0.28
ELDER	REACH1	11.859	weirs	981.37	82.38	86.49		86.61	0.002010	3.68	445.77	235.24	0.36
ELDER	REACH1	11.588	Post 10yr	441.50	81.30	84.85		85.01	0.003071	3.88	219.10	233.75	0.42
ELDER	REACH1	11.588	weirs	995.34	81.30	85.73		85.89	0.002817	4.49	455.75	305.80	0.42
ELDER	REACH1	11.538	Post 10yr	441.29	80.77	84.32		84.38	0.001440	2.81	318.94	256.58	0.29
ELDER	REACH1	11.538	weirs	932.49	80.77	85.25		85.32	0.001366	3.32	586.13	316.46	0.30
ELDER	REACH1	11.482	Post 10yr	441.18	80.23	83.83		83.90	0.001812	3.20	270.22	184.09	0.33
ELDER	REACH1	11.482	weirs	921.60	80.23	84.67		84.78	0.002361	4.32	457.74	259.91	0.39
ELDER	REACH1	11.433	Post 10yr	440.80	79.88	83.23		83.31	0.002739	3.71	249.58	194.19	0.39
ELDER	REACH1	11.433	weirs	907.63	79.88	83.91		84.04	0.003311	4.72	389.62	217.86	0.45
ELDER	REACH1	11.376	Post 10yr	439.43	79.20	82.68		82.71	0.001150	2.42	468.31	533.23	0.28
ELDER	REACH1	11.376	weirs	856.83	79.20	83.40		83.42	0.000775	2.33	886.96	629.60	0.22
ELDER	REACH1	11.313	Post 10yr	438.83	78.70	82.38		82.41	0.000723	1.97	448.27	342.75	0.21
ELDER	REACH1	11.313	weirs	855.16	78.70	83.16		83.19	0.000699	2.28	722.69	365.56	0.21
ELDER	REACH1	11.252	Post 10yr	438.66	78.41	82.10		82.15	0.001045	2.37	346.72	257.44	0.25
ELDER	REACH1	11.252	weirs	853.55	78.41	82.86		82.93	0.001126	2.89	560.13	297.63	0.27
ELDER	REACH1	11.175	Post 10yr	438.29	77.70	81.40		81.55	0.002568	3.63	210.53	198.26	0.39
ELDER	REACH1	11.175	weirs	849.13	77.70	82.10		82.29	0.002825	4.44	379.47	292.07	0.42
ELDER	REACH1	11.125	Post 10yr	437.39	77.27	80.94		81.01	0.001299	2.66	306.62	300.71	0.28
ELDER	REACH1	11.125	weirs	841.81	77.27	81.99		81.68	0.001464	3.24	476.95	384.42	0.31
ELDER	REACH1	11.063	Post 10yr	435.82	76.84	80.47		80.58	0.001854	3.04	264.67	548.46	0.32
ELDER	REACH1	11.063	weirs	830.83	76.84	81.13		81.23	0.001595	3.43	466.34	658.21	0.32
ELDER	REACH1	10.995	Post 10yr	515.63	76.40	80.00		80.06	0.001097	2.50	356.74	222.10	0.26
ELDER	REACH1	10.995	weirs	901.25	76.40	80.62		80.70	0.001292	3.08	540.38	511.59	0.29
ELDER	REACH1	10.936	Post 10yr	514.80	76.10	79.79		79.81	0.000422	1.60	576.89	313.80	0.16
ELDER	REACH1	10.936	weirs	895.54	76.10	80.33		80.37	0.000771	2.40	803.29	502.78	0.22
ELDER	REACH1	10.884	Post 10yr	514.26	75.80	79.68		79.69	0.000430	1.69	643.58	426.10	0.16
ELDER	REACH1	10.884	weirs	892.79	75.80	80.14		80.17	0.000640	2.25	861.45	526.73	0.20
ELDER	REACH1	10.834	Post 10yr	513.93	75.60	79.56		79.58	0.000417	1.54	580.68	374.69	0.16
ELDER	REACH1	10.834	weirs	891.31	75.60	79.96		80.00	0.000672	2.12	738.17	408.23	0.21
ELDER	REACH1	10.775	Post 10yr	513.68	75.45	79.48		79.49	0.000173	1.10	806.30	374.71	0.10
ELDER	REACH1	10.775	weirs	890.40	75.45	79.82		79.84	0.000353	1.68	939.73	411.23	0.15
ELDER	REACH1	10.717	Post 10yr	513.60	75.25	79.43		79.44	0.000140	1.10	921.99	398.92	0.10
ELDER	REACH1	10.717	weirs	890.16	75.25	79.72		79.74	0.000302	1.70	1039.68	417.93	0.14
ELDER	REACH1	10.691	Post 10yr	513.59	74.00	79.42		79.42	0.000074	0.86	1051.58	1061.07	0.07
ELDER	REACH1	10.691	weirs	890.05	74.00	79.69		79.70	0.000168	1.35	1159.56	1084.72	0.11
ELDER	REACH1	10.689		Culvert									
ELDER	REACH1	10.686	Post 10yr	512.64	74.00	78.34		78.35	0.000379	1.62	872.53	953.06	0.16
ELDER	REACH1	10.686	weirs	889.72	74.00	78.58		78.61	0.000605	2.15	1107.37	976.66	0.20
ELDER	REACH1	10.63		Lat Strucl									
ELDER	REACH1	10.619	Post 10yr	482.95	71.00	78.26		78.26	0.000031	0.54	1413.61	877.67	0.05
ELDER	REACH1	10.619	weirs	851.99	71.00	78.45		78.46	0.000078	0.88	1543.13	684.24	0.07
ELDER	REACH1	10.613		Culvert									
ELDER	REACH1	10.607	Post 10yr	482.75	71.00	74.78		75.05	0.002080	4.11	117.32	71.58	0.37
ELDER	REACH1	10.607	weirs	851.49	71.00	75.32		75.95	0.004167	6.36	133.89	103.95	0.54
ELDER	REACH1	10.562	Post 10yr	482.68	70.10	74.65		74.71	0.000693	2.38	374.25	248.53	0.21
ELDER	REACH1	10.562	weirs	851.22	70.10	75.15		75.25	0.001083	3.22	507.92	293.79	0.27
ELDER	REACH1	10.507	Post 10yr	482.57	70.50	74.39		74.51	0.001652	3.25	313.28	422.03	0.32
ELDER	REACH1	10.507	weirs	850.44	70.50	74.89		75.00	0.001721	3.64	550.11	517.47	0.33
ELDER	REACH1	10.442	Post 10yr	485.74	70.48	73.81		73.90	0.002006	3.28	343.30	423.48	0.34
ELDER	REACH1	10.442	weirs	854.02	70.48	74.30		74.38	0.001955	3.59	580.78	530.87	0.35
ELDER	REACH1	10.361	Post 10yr	489.74	70.32	73.21		73.24	0.001006	2.19	510.99	481.62	0.24
ELDER	REACH1	10.361	weirs	858.70	70.32	73.69		73.72	0.001105	2.57	757.43	557.42	0.26

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	10.312	Post 10yr	491.97	70.20	72.83		72.87	0.002010	2.43	416.13	508.32	0.32
ELDER	REACH1	10.312	weirs	861.76	70.20	73.37		73.41	0.001381	2.41	713.89	577.17	0.28
ELDER	REACH1	10.272	Post 10yr	493.86	69.63	72.39		72.44	0.002023	2.76	355.09	313.51	0.33
ELDER	REACH1	10.272	weirs	864.21	69.63	73.05		73.10	0.001613	2.90	576.40	367.53	0.31
ELDER	REACH1	10.214	Post 10yr	572.89	68.78	71.77		71.84	0.002135	3.05	353.22	275.22	0.35
ELDER	REACH1	10.214	weirs	1057.91	68.78	72.45		72.53	0.002267	3.70	594.70	417.90	0.37
ELDER	REACH1	10.141	Post 10yr	575.86	67.65	71.04		71.12	0.001874	2.79	356.63	315.39	0.32
ELDER	REACH1	10.141	weirs	1064.10	67.65	71.73		71.82	0.001740	3.20	590.76	365.52	0.33
ELDER	REACH1	10.09	Post 10yr	578.08	66.80	70.50		70.54	0.002071	3.67	305.34	280.89	0.36
ELDER	REACH1	10.09	weirs	1068.60	66.80	71.21		71.36	0.002095	4.21	531.26	354.23	0.37
ELDER	REACH1	10.034	Post 10yr	580.67	66.41	69.85		69.98	0.002366	3.72	303.18	252.42	0.38
ELDER	REACH1	10.034	weirs	1072.86	66.41	70.45		70.62	0.002973	4.69	522.35	427.00	0.44
ELDER	REACH1	9.974	Post 10yr	583.28	66.02	69.41		69.44	0.000773	2.09	651.06	545.32	0.22
ELDER	REACH1	9.974	weirs	1076.75	66.02	69.91		69.94	0.000965	2.59	932.86	593.81	0.25
ELDER	REACH1	9.919	Post 10yr	585.22	65.50	68.80		68.92	0.003069	4.07	359.84	456.75	0.42
ELDER	REACH1	9.919	weirs	1076.52	65.50	69.39		69.48	0.002306	4.00	664.50	543.42	0.38
ELDER	REACH1	9.878	Post 10yr	585.69	65.13	68.32		68.37	0.001815	2.98	439.62	408.88	0.32
ELDER	REACH1	9.878	weirs	1073.95	65.13	69.01		69.06	0.001501	3.17	755.29	501.88	0.31
ELDER	REACH1	9.813	Post 10yr	587.31	64.02	67.90		67.94	0.000581	1.90	582.17	498.46	0.19
ELDER	REACH1	9.813	weirs	1073.83	64.02	68.66		68.70	0.000534	2.10	1069.44	703.76	0.19
ELDER	REACH1	9.749	Post 10yr	588.99	63.84	67.51		67.58	0.001587	2.93	380.46	305.05	0.31
ELDER	REACH1	9.749	weirs	1074.41	63.84	68.28		68.37	0.001527	3.39	719.89	647.13	0.32
ELDER	REACH1	9.701	Post 10yr	590.40	63.10	67.20		67.25	0.000878	2.09	480.38	379.57	0.23
ELDER	REACH1	9.701	weirs	1075.30	63.10	68.00		68.05	0.000791	2.37	818.54	471.72	0.23
ELDER	REACH1	9.633	Post 10yr	592.95	62.68	66.86		66.92	0.000974	2.51	471.77	369.50	0.25
ELDER	REACH1	9.633	weirs	1079.29	62.68	67.69		67.75	0.000846	2.73	808.67	439.03	0.24
ELDER	REACH1	9.566	Post 10yr	595.71	62.13	66.08		66.30	0.003045	4.24	214.76	185.21	0.43
ELDER	REACH1	9.566	weirs	1084.64	62.13	66.74		67.06	0.003977	5.52	346.48	239.70	0.51
ELDER	REACH1	9.524	Post 10yr	597.38	61.85	65.76		65.79	0.000633	1.92	629.38	435.85	0.20
ELDER	REACH1	9.524	weirs	1088.46	61.85	66.28		66.33	0.001094	2.81	998.27	1022.17	0.27
ELDER	REACH1	9.486	Post 10yr	599.11	61.30	64.56		64.96	0.009587	5.48	153.91	478.11	0.71
ELDER	REACH1	9.486	weirs	1089.20	61.30	65.24		65.65	0.007505	5.98	295.71	761.34	0.66
ELDER	REACH1	9.438	Post 10yr	598.98	59.80	63.45		63.57	0.001304	2.91	268.64	172.69	0.29
ELDER	REACH1	9.438	weirs	1086.36	59.80	64.38		64.53	0.001348	3.51	510.08	847.92	0.30
ELDER	REACH1	9.221	Post 10yr	601.67	59.40	63.30		63.32	0.000280	1.54	753.52	353.54	0.14
ELDER	REACH1	9.221	weirs	1163.27	59.40	64.19		64.23	0.000510	2.38	1187.48	885.03	0.19
ELDER	REACH1	9.163	Post 10yr	603.07	58.30	62.97		63.11	0.001390	3.17	269.75	248.76	0.30
ELDER	REACH1	9.163	weirs	1168.64	58.30	63.76		63.95	0.001767	4.09	528.63	410.31	0.35
ELDER	REACH1	9.116	Post 10yr	603.95	57.40	62.61		62.72	0.001743	2.97	342.51	404.06	0.32
ELDER	REACH1	9.116	weirs	1168.79	57.40	63.43		63.52	0.001373	3.15	720.05	516.83	0.30
ELDER	REACH1	9.062	Post 10yr	603.88	56.40	61.58		61.91	0.004277	4.57	132.26	49.03	0.49
ELDER	REACH1	9.062	weirs	1157.05	56.40	62.77		63.00	0.002627	4.40	493.44	943.94	0.40
ELDER	REACH1	9.019	Post 10yr	603.39	55.60	61.13		61.28	0.001163	3.11	193.95	48.13	0.27
ELDER	REACH1	9.019	weirs	1149.45	55.60	62.14		62.47	0.002099	4.83	300.54	448.87	0.38
ELDER	REACH1	8.977	Post 10yr	603.63	55.51	60.96		61.05	0.000852	2.75	391.02	323.81	0.23
ELDER	REACH1	8.977	weirs	1150.54	55.51	61.95		62.04	0.000837	3.02	851.75	581.69	0.24
ELDER	REACH1	8.925	Post 10yr	604.51	55.37	60.77		60.84	0.000626	2.32	447.79	431.23	0.20
ELDER	REACH1	8.925	weirs	1152.41	55.37	61.77		61.82	0.000571	2.50	979.28	636.17	0.20
ELDER	REACH1	8.873	Post 10yr	608.10	55.28	60.56		60.64	0.000807	2.49	379.51	374.27	0.23
ELDER	REACH1	8.873	weirs	1155.43	55.28	61.58		61.65	0.000707	2.67	800.46	530.29	0.22
ELDER	REACH1	8.809	Post 10yr	607.79	55.14	60.15		60.29	0.001364	2.94	250.21	378.93	0.29
ELDER	REACH1	8.809	weirs	1159.60	55.14	61.30		61.39	0.000886	2.90	738.60	484.30	0.24
ELDER	REACH1	8.803	Post 10yr	808.01	54.90	60.17	56.57	60.25	0.000526	2.27	316.83	382.15	0.17
ELDER	REACH1	8.803	weirs	1160.03	54.90	61.28	57.46	61.36	0.000591	2.74	791.67	515.24	0.19
ELDER	REACH1	8.798		Bridge									

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	8.788	Post 10yr	606.44	54.90	59.97		60.06	0.000610	2.39	253.32	50.00	0.19
ELDER	REACH1	8.788	weirs	1159.97	54.90	61.02		61.14	0.000759	3.02	671.21	446.98	0.22
ELDER	REACH1	8.724	Post 10yr	607.87	54.05	59.83		59.87	0.000485	1.49	409.29	166.38	0.17
ELDER	REACH1	8.724	weirs	1163.17	54.05	60.88		60.93	0.000472	1.81	810.43	490.07	0.17
ELDER	REACH1	8.645	Post 10yr	601.31	53.00	58.70		59.10	0.003722	5.18	145.77	454.88	0.47
ELDER	REACH1	8.645	weirs	1157.52	53.00	59.54		60.08	0.004744	6.56	296.55	553.73	0.55
ELDER	REACH1	8.586	Post 10yr	595.25	52.80	58.28		58.33	0.000486	1.72	367.68	488.88	0.17
ELDER	REACH1	8.586	weirs	1134.78	52.80	58.92		59.01	0.000801	2.51	610.15	986.31	0.23
ELDER	REACH1	8.531	Post 10yr	593.98	52.60	58.07		58.15	0.001042	2.61	558.55	1650.64	0.25
ELDER	REACH1	8.531	weirs	1117.91	52.60	58.75		58.79	0.000588	2.22	1317.63	3588.78	0.20
ELDER	REACH1	8.432	Post 10yr	589.90	52.20	57.75		57.78	0.000704	2.20	560.66	337.32	0.20
ELDER	REACH1	8.432	weirs	1057.55	52.20	58.46		58.49	0.000870	2.76	1232.80	3134.98	0.23
ELDER	REACH1	8.399	Post 10yr	583.18	52.15	57.63		57.69	0.000966	2.48	425.44	292.02	0.24
ELDER	REACH1	8.399	weirs	1056.26	52.15	58.34		58.40	0.000965	2.83	927.16	2339.35	0.25
ELDER	REACH1	8.313	Post 10yr	556.65	52.04	57.38		57.41	0.000535	2.10	734.19	1398.72	0.19
ELDER	REACH1	8.313	weirs	1053.50	52.04	58.13		58.15	0.000358	1.93	1428.61	2029.65	0.16
ELDER	REACH1	8.092	Post 10yr	532.08	51.60	57.05		57.06	0.000216	1.34	1128.80	1825.12	0.12
ELDER	REACH1	8.092	weirs	985.27	51.60	57.93		57.93	0.000055	0.77	3540.97	2078.54	0.06
ELDER	REACH1	8.029	Post 10yr	533.75	51.33	55.68		56.24	0.006274	6.00	88.94	28.25	0.60
ELDER	REACH1	8.029	weirs	1368.24	51.33	56.37		56.73	0.005889	6.52	560.36	1272.02	0.59
ELDER	REACH1	7.985	Post 10yr	534.42	51.13	55.08		55.09	0.000318	1.30	873.05	814.40	0.14
ELDER	REACH1	7.985	weirs	1325.42	51.13	55.75		55.77	0.000509	1.90	1459.68	943.52	0.18
ELDER	REACH1	7.809	Post 10yr	535.52	50.55	54.97		54.97	0.000298	1.12	899.65	1935.99	0.13
ELDER	REACH1	7.809	weirs	1304.20	50.55	55.53		55.56	0.000672	1.95	1280.43	2515.17	0.20
ELDER	REACH1	7.764	Post 10yr	558.90	50.36	54.75		54.82	0.001222	2.85	598.29	1755.57	0.27
ELDER	REACH1	7.764	weirs	1338.28	50.36	55.22		55.29	0.001647	3.59	1080.59	1885.77	0.32
ELDER	REACH1	7.697	Post 10yr	558.78	50.16	54.28		54.33	0.001715	2.23	630.97	1811.96	0.30
ELDER	REACH1	7.697	weirs	1318.42	50.16	54.84		54.86	0.000864	1.90	1750.62	2208.02	0.22
ELDER	REACH1	7.617	Post 10yr	556.08	49.88	53.42		53.57	0.002824	3.83	317.57	471.03	0.41
ELDER	REACH1	7.617	weirs	1247.90	49.88	54.16		54.26	0.002243	4.00	1261.54	2668.60	0.38
ELDER	REACH1	7.574	Post 10yr	551.13	49.72	53.08		53.10	0.000442	1.47	874.61	1486.18	0.18
ELDER	REACH1	7.574	weirs	1188.72	49.72	53.88		53.90	0.000348	1.56	1785.74	2058.85	0.15
ELDER	REACH1	7.523	Post 10yr	549.93	49.61	53.00		53.00	0.000189	0.99	1556.05	1666.98	0.10
ELDER	REACH1	7.523	weirs	1181.91	49.61	53.82		53.83	0.000118	0.93	2977.10	1787.83	0.09
ELDER	REACH1	7.459	Post 10yr	549.84	49.00	52.97	52.26	52.98	0.000261	1.11	1179.26	1163.47	0.12
ELDER	REACH1	7.459	weirs	1180.65	49.00	53.80	52.48	53.81	0.000293	1.40	2355.92	2354.49	0.14
ELDER	REACH1	7.457		Bridge									
ELDER	REACH1	7.454	Post 10yr	549.41	49.00	52.96		52.97	0.000235	1.06	1224.41	1168.28	0.12
ELDER	REACH1	7.454	weirs	1180.65	49.00	53.79		53.80	0.000264	1.34	2454.04	2387.21	0.13
ELDER	REACH1	7.392	Post 10yr	549.02	48.59	52.85		52.87	0.000546	1.76	743.96	768.44	0.18
ELDER	REACH1	7.392	weirs	1178.47	48.59	53.69		53.71	0.000412	1.81	1395.03	773.18	0.16
ELDER	REACH1	7.339	Post 10yr	548.90	48.05	52.68		52.70	0.000517	1.65	677.14	495.29	0.17
ELDER	REACH1	7.339	weirs	1178.02	48.05	53.54		53.56	0.000534	1.99	1104.59	504.34	0.18
ELDER	REACH1	7.3202'	Post 10yr	548.89	47.97	52.65		52.68	0.000632	1.88	597.86	452.42	0.19
ELDER	REACH1	7.3202'	weirs	1177.82	47.97	53.51		53.54	0.000654	2.26	989.47	465.00	0.20
ELDER	REACH1	7.3014'	Post 10yr	548.88	47.88	52.62		52.65	0.000684	2.01	570.98	547.17	0.20
ELDER	REACH1	7.3014'	weirs	1177.81	47.88	53.48		53.52	0.000603	2.22	1132.12	728.58	0.20
ELDER	REACH1	7.2826'	Post 10yr	548.85	47.80	52.53		52.63	0.001536	3.05	360.55	442.06	0.30
ELDER	REACH1	7.2826'	weirs	1177.80	47.80	53.42		53.50	0.001162	3.13	825.01	587.35	0.27
ELDER	REACH1	7.2638'	Post 10yr	548.84	47.71	52.39		52.55	0.002073	3.54	277.52	359.29	0.35
ELDER	REACH1	7.2638'	weirs	1177.77	47.71	53.33		53.45	0.001615	3.73	663.30	473.31	0.33
ELDER	REACH1	7.245'	Post 10yr	548.84	47.63	52.25		52.41	0.002156	3.60	255.78	308.31	0.36
ELDER	REACH1	7.245'	weirs	1177.65	47.63	53.23		53.38	0.001795	3.95	592.96	397.95	0.34
ELDER	REACH1	7.2262'	Post 10yr	548.81	47.55	52.10		52.27	0.002229	3.64	239.26	287.18	0.37
ELDER	REACH1	7.2262'	weirs	1177.64	47.55	53.13		53.29	0.001882	4.04	559.03	352.33	0.35
ELDER	REACH1	7.2074'	Post 10yr	548.82	47.46	51.97		52.12	0.001953	3.40	229.48	143.00	0.34

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	7.2074*	weirs	1177.62	47.46	53.02		53.19	0.001979	4.17	519.83	306.37	0.36
ELDER	REACH1	7.1886*	Post 10yr	548.81	47.38	51.84		51.98	0.001924	3.36	225.07	126.36	0.34
ELDER	REACH1	7.1886*	weirs	1177.54	47.38	52.86		53.08	0.002290	4.46	427.03	210.00	0.39
ELDER	REACH1	7.1698*	Post 10yr	548.81	47.29	51.69		51.84	0.001990	3.39	214.03	109.60	0.35
ELDER	REACH1	7.1698*	weirs	1177.53	47.29	52.66		52.94	0.002898	4.93	374.04	196.86	0.44
ELDER	REACH1	7.151	Post 10yr	548.81	47.21	51.52		51.68	0.002239	3.53	194.77	92.79	0.36
ELDER	REACH1	7.151	weirs	1177.32	47.21	52.31		52.74	0.004392	5.81	291.26	167.46	0.53
ELDER	REACH1	7.15		Lat Struct									
ELDER	REACH1	7.1445*	Post 10yr	513.46	47.18	51.48		51.54	0.001139	2.46	316.53	179.08	0.28
ELDER	REACH1	7.1445*	weirs	1023.82	47.18	52.36		52.46	0.001361	3.23	475.14	180.00	0.30
ELDER	REACH1	7.138*	Post 10yr	513.45	47.15	51.39		51.45	0.001253	2.48	320.16	200.00	0.27
ELDER	REACH1	7.138*	weirs	1023.81	47.15	52.26		52.36	0.001378	3.15	494.98	200.00	0.30
ELDER	REACH1	7.1315*	Post 10yr	513.45	47.11	51.26		51.34	0.001705	2.76	285.88	200.00	0.31
ELDER	REACH1	7.1315*	weirs	1023.79	47.11	52.13		52.24	0.001710	3.38	459.54	200.00	0.33
ELDER	REACH1	7.125	Post 10yr	513.45	47.08	50.60		50.99	0.009731	5.23	125.48	153.08	0.70
ELDER	REACH1	7.125	weirs	1023.73	47.08	51.89		52.08	0.002996	4.19	370.98	200.00	0.42
ELDER	REACH1	7.120	Post 10yr	513.44	46.70	50.09		50.33	0.006534	3.88	132.34	47.71	0.41
ELDER	REACH1	7.120	weirs	1023.73	46.70	51.13		51.62	0.009657	5.60	182.97	49.80	0.51
ELDER	REACH1	7.119		Lat Struct									
ELDER	REACH1	7.10425*	Post 10yr	513.42	46.05	49.49		49.74	0.007595	4.04	127.16	48.71	0.44
ELDER	REACH1	7.10425*	weirs	809.85	46.05	50.61		50.99	0.007867	4.91	185.18	53.56	0.47
ELDER	REACH1	7.0885*	Post 10yr	513.42	45.40	48.80		49.07	0.008454	4.16	123.42	49.03	0.46
ELDER	REACH1	7.0885*	weirs	889.90	45.40	50.00		50.35	0.007750	4.78	186.16	55.98	0.46
ELDER	REACH1	7.07275*	Post 10yr	513.39	44.75	48.10		48.37	0.008444	4.15	123.69	49.23	0.46
ELDER	REACH1	7.07275*	weirs	889.17	44.75	49.41		49.74	0.007014	4.60	193.09	56.94	0.44
ELDER	REACH1	7.057	Post 10yr	513.30	44.10	47.53		47.75	0.006375	3.78	135.74	50.22	0.41
ELDER	REACH1	7.057	weirs	887.00	44.10	48.96		49.23	0.005203	4.15	213.66	58.74	0.38
ELDER	REACH1	7.04066*	Post 10yr	512.91	43.43	47.05		47.25	0.005348	3.55	144.30	51.37	0.37
ELDER	REACH1	7.04066*	weirs	886.27	43.43	48.59		48.82	0.004193	3.84	230.72	60.62	0.35
ELDER	REACH1	7.02433*	Post 10yr	512.90	42.77	46.68		46.84	0.004071	3.23	158.83	53.17	0.33
ELDER	REACH1	7.02433*	weirs	883.10	42.77	48.31		48.50	0.003189	3.48	254.00	63.07	0.31
ELDER	REACH1	7.008	Post 10yr	512.87	42.10	46.42		46.54	0.002829	2.84	180.50	55.61	0.28
ELDER	REACH1	7.008	weirs	879.57	42.10	48.11		48.26	0.002326	3.10	283.69	65.93	0.26
ELDER	REACH1	6.98		Lat Struct									
ELDER	REACH1	6.97906*	Post 10yr	554.17	41.50	46.21		46.32	0.002242	2.67	207.58	58.96	0.25
ELDER	REACH1	6.97906*	weirs	919.39	41.50	47.93		48.06	0.001855	2.89	318.24	69.37	0.24
ELDER	REACH1	6.978	Post 10yr	553.45	40.90	46.09		46.17	0.001457	2.28	242.29	62.85	0.21
ELDER	REACH1	6.978	weirs	916.02	40.90	47.84		47.94	0.001303	2.54	361.10	73.32	0.20
ELDER	REACH1	6.960		Lat Struct									
ELDER	REACH1	6.95819*	Post 10yr	552.74	40.50	46.04		46.10	0.001023	1.95	283.35	71.83	0.17
ELDER	REACH1	6.95819*	weirs	915.06	40.50	47.80		47.87	0.000921	2.19	418.75	82.42	0.17
ELDER	REACH1	6.956	Post 10yr	567.10	40.10	46.02		46.06	0.000505	1.52	373.50	81.04	0.12
ELDER	REACH1	6.956	weirs	956.08	40.10	47.78		47.83	0.000547	1.82	524.90	91.68	0.13
ELDER	REACH1	6.946		Culvert									
ELDER	REACH1	6.927	Post 10yr	563.79	39.90	45.76		45.82	0.001049	1.94	291.09	75.85	0.17
ELDER	REACH1	6.927	weirs	940.05	39.90	47.39		47.47	0.000999	2.22	424.09	86.77	0.18
ELDER	REACH1	6.926		Lat Struct									
ELDER	REACH1	6.903	Post 10yr	573.34	39.70	45.64		45.69	0.000893	1.78	321.31	84.26	0.16
ELDER	REACH1	6.903	weirs	949.31	39.70	47.29		47.35	0.000830	2.02	470.61	97.01	0.16
ELDER	REACH1	6.884	Post 10yr	573.27	39.60	45.59		45.62	0.000557	1.44	399.11	102.00	0.13
ELDER	REACH1	6.884	weirs	948.55	39.60	47.24		47.28	0.000521	1.64	579.21	115.48	0.13
ELDER	REACH1	6.872	Post 10yr	573.34	39.50	45.56		45.59	0.000469	1.32	433.63	110.48	0.12
ELDER	REACH1	6.872	weirs	947.73	39.50	47.22		47.25	0.000438	1.51	629.23	125.19	0.12
ELDER	REACH1	6.858	Post 10yr	573.42	39.40	45.52		45.55	0.000530	1.41	406.17	102.74	0.13

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	6.858	weirs	946.94	39.40	47.18		47.22	0.000499	1.81	588.47	116.74	0.13
ELDER	REACH1	6.847	Post 10yr	573.32	39.30	45.47		45.51	0.000703	1.59	359.97	93.82	0.14
ELDER	REACH1	6.847	weirs	945.21	39.30	47.13		47.18	0.000651	1.79	528.81	109.28	0.14
ELDER	REACH1	6.824	Post 10yr	573.45	39.10	45.43		45.45	0.000321	1.09	527.68	135.81	0.10
ELDER	REACH1	6.824	weirs	944.53	39.10	47.10		47.13	0.000286	1.23	766.62	149.85	0.10
ELDER	REACH1	6.807	Post 10yr	573.54	39.00	45.40		45.42	0.000412	1.09	526.48	162.22	0.11
ELDER	REACH1	6.807	weirs	943.83	39.00	47.08		47.10	0.000294	1.17	809.99	174.85	0.10
ELDER	REACH1	6.795	Post 10yr	573.60	39.00	45.38		45.39	0.000278	1.02	561.11	142.05	0.09
ELDER	REACH1	6.795	weirs	943.11	39.00	47.06		47.08	0.000247	1.16	811.44	155.08	0.09
ELDER	REACH1	6.782	Post 10yr	573.55	38.90	45.32		45.36	0.000642	1.59	360.08	87.26	0.14
ELDER	REACH1	6.782	weirs	941.60	38.90	47.00		47.05	0.000622	1.82	517.40	100.06	0.14
ELDER	REACH1	6.774	Post 10yr	573.48	38.80	45.28	41.53	45.33	0.000849	1.88	304.79	70.11	0.16
ELDER	REACH1	6.774	weirs	940.81	38.80	46.95	42.17	47.02	0.000859	2.19	429.47	78.98	0.17
ELDER	REACH1	6.764		Bridge									
ELDER	REACH1	6.752	Post 10yr	573.37	38.60	44.66		44.71	0.000856	1.81	316.86	78.39	0.16
ELDER	REACH1	6.752	weirs	936.64	38.60	46.22		46.28	0.000851	2.10	446.88	88.01	0.16
ELDER	REACH1	6.745	Post 10yr	573.37	38.60	44.65		44.68	0.000707	1.52	377.62	106.63	0.14
ELDER	REACH1	6.745	weirs	936.63	38.60	46.22		46.27	0.000634	1.67	561.16	126.60	0.14
ELDER	REACH1	6.734	Post 10yr	573.37	38.50	44.61		44.65	0.000646	1.52	377.12	98.65	0.14
ELDER	REACH1	6.734	weirs	936.62	38.50	46.18		46.23	0.000581	1.74	538.87	105.80	0.14
ELDER	REACH1	6.697	Post 10yr	573.36	38.40	44.62		44.62	0.000119	0.71	805.57	186.04	0.06
ELDER	REACH1	6.697	weirs	936.60	38.40	46.20		46.21	0.000118	0.84	1108.82	197.04	0.06
ELDER	REACH1	6.684	Post 10yr	573.36	38.30	44.59		44.61	0.000327	1.16	486.01	117.99	0.10
ELDER	REACH1	6.684	weirs	936.57	38.30	46.17		46.19	0.000371	1.35	693.94	143.87	0.11
ELDER	REACH1	6.665	Post 10yr	573.25	38.30	44.52		44.56	0.000711	1.62	352.93	89.83	0.14
ELDER	REACH1	6.665	weirs	935.63	38.30	46.09		46.14	0.000691	1.86	504.36	102.87	0.15
ELDER	REACH1	6.635	Post 10yr	573.15	38.20	44.40		44.44	0.000728	1.70	336.94	80.91	0.15
ELDER	REACH1	6.635	weirs	926.37	38.20	45.97		46.03	0.000721	1.97	471.24	90.18	0.15
ELDER	REACH1	6.581	Post 10yr	573.05	38.00	44.18		44.23	0.000788	1.73	330.38	81.65	0.15
ELDER	REACH1	6.581	weirs	923.78	38.00	45.76		45.82	0.000754	1.98	466.94	91.57	0.15
ELDER	REACH1	6.558	Post 10yr	573.05	37.90	44.11		44.14	0.000591	1.51	378.55	92.93	0.13
ELDER	REACH1	6.558	weirs	921.90	37.90	45.69		45.74	0.000569	1.72	535.31	105.07	0.13
ELDER	REACH1	6.539		Lat Struct									
ELDER	REACH1	6.536	Post 10yr	573.04	37.80	44.02		44.06	0.000786	1.74	329.74	165.50	0.15
ELDER	REACH1	6.536	weirs	907.61	37.80	45.60		45.66	0.000729	1.94	467.91	187.33	0.15
ELDER	REACH1	6.522	Post 10yr	573.03	37.80	43.96		44.01	0.000777	1.69	338.30	86.34	0.15
ELDER	REACH1	6.522	weirs	921.85	37.80	45.55		45.61	0.000724	1.90	485.70	98.94	0.15
ELDER	REACH1	6.504	Post 10yr	573.02	37.70	43.90		43.94	0.000637	1.46	391.52	107.90	0.14
ELDER	REACH1	6.504	weirs	921.83	37.70	45.51		45.55	0.000567	1.59	580.59	127.97	0.13
ELDER	REACH1	6.470	Post 10yr	572.99	37.60	43.76		43.81	0.000804	1.76	324.87	79.59	0.15
ELDER	REACH1	6.470	weirs	920.94	37.60	45.37		45.43	0.000763	2.00	460.93	89.62	0.16
ELDER	REACH1	6.416	Post 10yr	572.87	37.40	43.53		43.58	0.000816	1.78	322.34	78.89	0.15
ELDER	REACH1	6.416	weirs	918.12	37.40	45.15		45.21	0.000764	2.00	458.23	88.89	0.16
ELDER	REACH1	6.375	Post 10yr	572.84	37.20	43.37		43.41	0.000762	1.65	346.38	90.32	0.15
ELDER	REACH1	6.375	weirs	917.13	37.20	45.01		45.06	0.000674	1.81	506.55	105.03	0.15
ELDER	REACH1	6.344	Post 10yr	572.74	37.10	43.23		43.28	0.000817	1.75	327.14	82.02	0.15
ELDER	REACH1	6.344	weirs	916.13	37.10	44.88		44.94	0.000737	1.94	472.18	93.68	0.15
ELDER	REACH1	6.309	Post 10yr	572.72	37.00	43.09		43.13	0.000785	1.70	336.11	85.65	0.15
ELDER	REACH1	6.309	weirs	915.12	37.00	44.75		44.81	0.000689	1.87	489.70	98.38	0.15
ELDER	REACH1	6.287	Post 10yr	572.71	37.00	42.99		43.04	0.000848	1.77	324.16	82.83	0.16
ELDER	REACH1	6.287	weirs	914.15	37.00	44.67		44.73	0.000734	1.93	473.41	94.75	0.15
ELDER	REACH1	6.267	Post 10yr	572.70	36.90	42.90		42.95	0.000860	1.80	318.93	80.22	0.16
ELDER	REACH1	6.267	weirs	913.23	36.90	44.58		44.65	0.000747	1.97	463.92	91.14	0.15
ELDER	REACH1	6.244	Post 10yr	573.79	36.80	42.78		42.84	0.000936	1.92	299.53	72.27	0.17
ELDER	REACH1	6.244	weirs	913.45	36.80	44.48		44.55	0.000820	2.13	429.28	79.18	0.16

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH1	6.216	Post 10yr	575.24	36.80	42.64		42.69	0.000961	1.86	309.08	80.10	0.17
ELDER	REACH1	6.216	weirs	789.77	36.80	44.39		44.44	0.000581	1.72	459.87	91.95	0.14
ELDER	REACH1	6.188	Post 10yr	576.66	36.70	42.48		42.54	0.001072	1.97	292.59	75.03	0.18
ELDER	REACH1	6.188	weirs	786.77	36.70	44.30		44.35	0.000618	1.89	438.19	84.83	0.14
ELDER	REACH1	6.166	Post 10yr	577.74	36.60	42.38		42.43	0.000937	1.73	333.33	95.10	0.16
ELDER	REACH1	6.166	weirs	784.65	36.60	44.25		44.29	0.000456	1.49	527.52	109.43	0.12
ELDER	REACH1	6.147	Post 10yr	578.71	36.50	42.28		42.33	0.000998	1.84	314.69	85.67	0.17
ELDER	REACH1	6.147	weirs	781.94	36.50	44.20		44.24	0.000493	1.60	488.05	94.30	0.12
ELDER	REACH1	6.124	Post 10yr	579.86	36.40	42.17		42.22	0.000868	1.70	340.21	93.71	0.16
ELDER	REACH1	6.124	weirs	780.62	36.40	44.15		44.19	0.000404	1.44	542.25	107.57	0.11
ELDER	REACH1	6.106	Post 10yr	580.77	36.30	42.14		42.16	0.000328	1.11	521.92	131.53	0.10
ELDER	REACH1	6.106	weirs	781.11	36.30	44.14		44.16	0.000161	0.98	793.12	139.35	0.07
ELDER	REACH1	6.087	Post 10yr	581.70	36.20	42.10		42.13	0.000383	1.23	474.31	115.73	0.11
ELDER	REACH1	6.087	weirs	781.21	36.20	44.12		44.14	0.000195	1.09	715.98	123.52	0.08
ELDER	REACH1	6.070	Post 10yr	582.58	36.20	42.04		42.08	0.000592	1.52	383.39	93.65	0.13
ELDER	REACH1	6.070	weirs	780.02	36.20	44.09		44.12	0.000296	1.34	581.11	99.40	0.10
ELDER	REACH1	6.039	Post 10yr	582.50	36.00	41.89		41.95	0.001023	1.90	306.58	80.79	0.17
ELDER	REACH1	6.039	weirs	775.80	36.00	44.02		44.06	0.000450	1.60	485.92	87.60	0.12
ELDER	REACH1	6.013	Post 10yr	457.27	35.90	41.72		41.77	0.000905	1.77	257.65	68.23	0.16
ELDER	REACH1	6.013	weirs	770.18	35.90	43.93		43.98	0.000617	1.84	418.04	76.47	0.14
ELDER	REACH1	6.001		Culvert									
ELDER	REACH1	5.993	Post 10yr	454.92	35.70	41.56		41.61	0.001054	1.72	264.37	83.11	0.17
ELDER	REACH1	5.993	weirs	738.41	35.70	43.58		43.63	0.000602	1.62	455.64	102.10	0.14
ELDER	REACH1	5.978	Post 10yr	453.57	35.60	41.50		41.54	0.000793	1.54	295.01	88.89	0.15
ELDER	REACH1	5.978	weirs	734.84	35.60	43.55		43.58	0.000479	1.46	501.73	111.04	0.12
ELDER	REACH1	5.927	Post 10yr	450.22	35.30	41.34		41.37	0.000456	1.27	355.14	94.38	0.12
ELDER	REACH1	5.927	weirs	725.02	35.30	43.45		43.48	0.000308	1.26	575.62	114.79	0.10
ELDER	REACH1	5.884	Post 10yr	447.72	34.80	41.26		41.28	0.000359	1.15	388.38	99.45	0.10
ELDER	REACH1	5.884	weirs	719.37	34.80	43.39		43.41	0.000242	1.15	623.27	117.64	0.09
ELDER	REACH1	5.845	Post 10yr	446.02	34.40	41.19		41.21	0.000294	1.08	411.68	99.38	0.09
ELDER	REACH1	5.845	weirs	715.83	34.40	43.35		43.37	0.000206	1.11	645.73	114.24	0.08
ELDER	REACH2	5.779	Post 10yr	974.19	33.80	41.19		41.26	0.000918	2.05	474.34	103.01	0.17
ELDER	REACH2	5.779	weirs	1790.15	33.80	43.35		43.45	0.000917	2.52	709.49	110.30	0.18
ELDER	REACH2	5.665	Post 10yr	973.08	33.30	40.63		40.70	0.000942	2.06	472.59	104.26	0.17
ELDER	REACH2	5.665	weirs	1790.13	33.30	42.80		42.89	0.000922	2.52	709.21	110.40	0.18
ELDER	REACH2	5.591	Post 10yr	972.44	33.00	40.26		40.33	0.000958	2.07	469.28	103.83	0.17
ELDER	REACH2	5.591	weirs	1790.12	33.00	42.43		42.53	0.000931	2.53	707.48	110.70	0.18
ELDER	REACH2	5.510	Post 10yr	972.10	32.80	40.00		40.09	0.000130	2.50	388.42	73.09	0.19
ELDER	REACH2	5.510	weirs	1790.11	32.80	42.14		42.30	0.000156	3.26	549.48	77.10	0.22
ELDER	REACH2	5.450	Post 10yr	972.00	32.30	39.96		40.06	0.000114	2.42	402.47	70.73	0.18
ELDER	REACH2	5.450	weirs	1790.10	32.30	42.09		42.25	0.000146	3.21	557.65	74.99	0.21
ELDER	REACH2	5.428	Post 10yr	971.99	32.20	39.95	35.48	40.04	0.000099	2.49	389.76	71.09	0.17
ELDER	REACH2	5.428	weirs	1790.06	32.20	42.05	36.53	42.24	0.000129	3.45	518.29	75.31	0.21
ELDER	REACH2	5.414		Bridge									
ELDER	REACH2	5.402	Post 10yr	971.92	32.00	39.69		39.78	0.000835	2.41	403.14	89.78	0.17
ELDER	REACH2	5.402	weirs	1790.10	32.00	41.78		41.95	0.001090	3.33	536.80	103.20	0.20
ELDER	REACH2	5.359	Post 10yr	971.83	31.70	39.53		39.60	0.000840	2.11	460.16	88.80	0.16
ELDER	REACH2	5.359	weirs	1790.06	31.70	41.60		41.72	0.001043	2.72	657.08	101.35	0.19
ELDER	REACH2	5.307	Post 10yr	998.38	31.60	39.30		39.36	0.000832	2.03	490.92	100.16	0.16
ELDER	REACH2	5.307	weirs	1798.06	31.60	41.35		41.45	0.000913	2.54	708.61	109.50	0.18
ELDER	REACH2	5.195	Post 10yr	1015.25	31.20	38.82		38.88	0.000798	1.97	515.13	106.49	0.16
ELDER	REACH2	5.195	weirs	1803.18	31.20	40.83		40.93	0.000839	2.45	736.58	111.30	0.17
ELDER	REACH2	5.113	Post 10yr	1014.80	30.90	38.44		38.51	0.000920	2.08	487.54	103.83	0.17
ELDER	REACH2	5.113	weirs	1803.08	30.90	40.44		40.54	0.000962	2.55	707.39	113.10	0.18
ELDER	REACH2	5.056	Post 10yr	1014.50	30.70	38.17		38.23	0.000904	2.02	501.66	110.35	0.17
ELDER	REACH2	5.056	weirs	1803.04	30.70	40.16		40.25	0.000920	2.45	734.75	120.80	0.18

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH2	5.009	Post 10yr	1014.37	30.60	37.91		37.99	0.001060	2.19	462.68	101.34	0.18
ELDER	REACH2	5.009	weirs	1803.03	30.60	39.89		40.00	0.001097	2.68	672.25	109.78	0.19
ELDER	REACH2	4.998	Post 10yr	1014.36	30.50	37.89		37.94	0.000658	1.76	576.20	123.10	0.14
ELDER	REACH2	4.998	weirs	1803.03	30.50	39.88		39.95	0.000667	2.17	830.01	131.71	0.15
ELDER	REACH2	4.945	Post 10yr	1014.24	30.30	37.63		37.70	0.001035	2.15	472.67	105.14	0.18
ELDER	REACH2	4.945	weirs	1803.02	30.30	39.60		39.71	0.001023	2.63	686.61	108.70	0.18
ELDER	REACH2	4.887	Post 10yr	1032.61	30.10	37.36		37.42	0.000781	1.95	529.71	107.46	0.15
ELDER	REACH2	4.887	weirs	1807.56	30.10	39.34		39.43	0.000819	2.42	746.89	110.40	0.16
ELDER	REACH2	4.810	Post 10yr	1032.51	30.50	36.88		36.98	0.001381	2.55	404.81	85.95	0.21
ELDER	REACH2	4.810	weirs	1807.48	30.50	38.80		38.95	0.001528	3.10	582.79	99.30	0.23
ELDER	REACH2	4.795	Post 10yr	1032.44	30.50	36.78		36.90	0.000805	2.79	369.74	84.13	0.23
ELDER	REACH2	4.795	weirs	1807.48	30.50	38.71		38.86	0.000782	3.16	645.42	237.67	0.24
ELDER	REACH2	4.713	Post 10yr	1032.41	29.84	36.49		36.62	0.000470	2.83	365.06	83.76	0.24
ELDER	REACH2	4.713	weirs	1807.45	29.84	38.42		38.59	0.000474	3.31	557.70	143.58	0.25
ELDER	REACH2	4.693	Post 10yr	1032.40	29.90	36.37	33.66	36.55	0.000753	3.45	298.93	72.26	0.30
ELDER	REACH2	4.693	weirs	1807.45	29.90	38.27	34.69	38.52	0.000732	4.05	446.38	82.70	0.31
ELDER	REACH2	4.684		Bridge									
ELDER	REACH2	4.671	Post 10yr	1032.38	29.90	36.13		36.34	0.000892	3.66	282.02	70.96	0.32
ELDER	REACH2	4.671	weirs	1807.45	29.90	38.04		38.32	0.000828	4.23	427.46	81.43	0.33
ELDER	REACH2	4.642	Post 10yr	1032.37	30.00	36.11		36.23	0.000497	2.80	368.49	89.74	0.24
ELDER	REACH2	4.642	weirs	1807.45	30.00	38.06		38.21	0.000507	3.16	574.76	170.23	0.25
ELDER	REACH2	4.564	Post 10yr	1045.37	28.70	35.64		35.91	0.001053	4.19	249.36	56.47	0.35
ELDER	REACH2	4.564	weirs	1810.93	28.70	37.48		37.84	0.001342	4.79	378.11	84.88	0.40
ELDER	REACH2	4.485	Post 10yr	1059.48	28.60	35.07		35.35	0.001619	4.28	248.96	77.78	0.42
ELDER	REACH2	4.485	weirs	1814.74	28.60	37.04		37.32	0.001140	4.24	428.01	103.63	0.37
ELDER	REACH2	4.437	Post 10yr	1059.46	28.40	34.95		35.08	0.000470	2.86	370.70	83.87	0.24
ELDER	REACH2	4.437	weirs	1814.74	28.40	36.95		37.11	0.000480	3.25	558.40	105.82	0.25
ELDER	REACH2	4.391	Post 10yr	1059.44	28.30	34.82		34.96	0.000511	2.99	353.78	79.03	0.25
ELDER	REACH2	4.391	weirs	1814.71	28.30	36.86		37.00	0.000471	3.08	854.57	494.16	0.24
ELDER	REACH2	4.343	Post 10yr	1068.21	28.20	34.87		34.82	0.000571	3.06	349.08	82.30	0.26
ELDER	REACH2	4.343	weirs	1817.04	28.20	36.87		36.85	0.000549	3.42	531.51	103.04	0.27
ELDER	REACH2	4.240	Post 10yr	1078.19	28.10	34.12	31.66	34.37	0.001068	4.06	285.71	65.04	0.35
ELDER	REACH2	4.240	weirs	1819.73	28.10	36.17	32.72	36.41	0.001110	3.95	528.98	553.50	0.36
ELDER	REACH2	4.239		Bridge									
ELDER	REACH2	4.229	Post 10yr	1078.14	28.10	33.91		34.20	0.001233	4.27	252.68	63.91	0.38
ELDER	REACH2	4.229	weirs	1819.71	28.10	35.37		35.75	0.001779	4.95	367.49	98.55	0.45
ELDER	REACH2	4.221	Post 10yr	1078.14	28.00	34.05		34.15	0.000408	2.60	414.01	97.43	0.22
ELDER	REACH2	4.221	weirs	1819.74	28.00	35.54		35.70	0.000541	3.16	574.98	124.90	0.26
ELDER	REACH2	4.156	Post 10yr	1078.12	28.00	33.93		34.02	0.000356	2.44	441.41	103.18	0.21
ELDER	REACH2	4.156	weirs	1819.72	28.00	35.39		35.53	0.000449	3.00	606.83	124.16	0.24
ELDER	REACH2	4.112	Post 10yr	1078.10	28.00	33.47	31.60	33.80	0.001735	4.60	234.34	69.15	0.44
ELDER	REACH2	4.112	weirs	1819.71	28.00	34.85	32.72	35.31	0.001647	5.42	335.59	671.03	0.45
ELDER	REACH2	4.105		Bridge									
ELDER	REACH2	4.097	Post 10yr	1078.08	28.00	30.01	31.60	36.36	0.053575	20.23	53.29	35.75	2.92
ELDER	REACH2	4.097	weirs	1819.69	28.00	30.63	32.72	39.17	0.053557	23.45	77.61	41.68	3.03
ELDER	REACH2	4.06	Post 10yr	1078.00	21.50	27.75		27.92	0.000300	3.32	324.37	64.79	0.26
ELDER	REACH2	4.06	weirs	1819.66	21.50	29.58		29.81	0.000339	4.06	447.74	72.06	0.29
ELDER	REACH2	4.009	Post 10yr	1085.81	21.30	27.67		27.84	0.000287	3.29	329.54	64.51	0.26
ELDER	REACH2	4.009	weirs	1821.51	21.30	29.47		29.72	0.000327	4.04	451.41	71.28	0.28
ELDER	REACH2	3.958	Post 10yr	1093.54	21.10	27.60		27.76	0.000276	3.27	334.07	63.85	0.25
ELDER	REACH2	3.958	weirs	1823.33	21.10	29.38		29.64	0.000317	4.02	453.79	70.22	0.28
ELDER	REACH2	3.855	Post 10yr	1108.97	20.70	27.45		27.61	0.000260	3.26	340.26	61.74	0.24
ELDER	REACH2	3.855	weirs	1826.86	20.70	29.21		29.46	0.000308	4.02	454.23	67.51	0.27
ELDER	REACH2	3.842	Post 10yr	1108.96	20.70	27.42		27.60	0.000298	3.33	332.79	65.30	0.26
ELDER	REACH2	3.842	weirs	1826.86	20.70	29.20		29.44	0.000351	3.97	460.26	78.69	0.29

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH2	3.832	Post 10yr	1108.96	20.60	27.38	23.71	27.58	0.000334	3.54	313.20	61.34	0.28
ELDER	REACH2	3.832	weirs	1826.86	20.60	29.14	24.87	29.42	0.000377	4.28	427.24	68.68	0.30
ELDER	REACH2	3.825		Bridge									
ELDER	REACH2	3.816	Post 10yr	1108.86	20.60	27.29		27.49	0.000351	3.60	307.62	60.96	0.28
ELDER	REACH2	3.816	weirs	1826.82	20.60	29.03		29.32	0.000398	4.35	419.68	68.22	0.31
ELDER	REACH2	3.808	Post 10yr	1108.73	20.50	27.23		27.48	0.000473	3.99	277.96	59.10	0.32
ELDER	REACH2	3.808	weirs	1826.81	20.50	28.96		29.30	0.000503	4.73	385.96	66.09	0.35
ELDER	REACH2	3.746	Post 10yr	1108.72	20.40	27.07		27.32	0.000480	4.01	276.26	58.84	0.33
ELDER	REACH2	3.746	weirs	1826.80	20.40	28.78		29.14	0.000513	4.77	382.87	65.70	0.35
ELDER	REACH2	3.698	Post 10yr	1108.61	20.30	26.95		27.20	0.000473	3.99	277.94	59.14	0.32
ELDER	REACH2	3.698	weirs	1826.77	20.30	28.66		29.01	0.000509	4.75	384.54	66.02	0.35
ELDER	REACH2	3.657	Post 10yr	1108.60	20.10	26.86		27.10	0.000465	3.96	279.73	59.29	0.32
ELDER	REACH2	3.657	weirs	1826.77	20.10	28.55		28.90	0.000503	4.73	386.08	66.19	0.35
ELDER	REACH2	3.59	Post 10yr	1108.58	20.00	26.69		26.94	0.000460	3.96	280.10	58.97	0.32
ELDER	REACH2	3.59	weirs	1826.76	20.00	28.37		28.72	0.000505	4.75	384.58	65.65	0.35
ELDER	REACH2	3.496	Post 10yr	1108.54	19.70	26.45	23.35	26.71	0.000461	4.05	273.41	55.08	0.32
ELDER	REACH2	3.496	weirs	1826.75	19.70	28.08	24.46	28.46	0.000537	4.97	367.39	60.58	0.36
ELDER	REACH2	3.480		Bridge									
ELDER	REACH2	3.483	Post 10yr	1108.53	19.60	26.30		26.55	0.000477	4.08	271.62	55.66	0.33
ELDER	REACH2	3.483	weirs	1826.77	19.60	27.89		28.28	0.000558	5.01	364.60	61.21	0.36
ELDER	REACH2	3.442	Post 10yr	1108.52	19.50	26.34	22.81	26.47	0.000249	2.90	382.25	83.22	0.24
ELDER	REACH2	3.442	weirs	1826.76	19.50	28.00	23.76	28.18	0.000271	3.46	528.25	93.74	0.26
ELDER	REACH2	3.431		Bridge									
ELDER	REACH2	3.420	Post 10yr	1108.52	19.50	26.23		26.37	0.000268	2.97	372.79	82.50	0.25
ELDER	REACH2	3.420	weirs	1826.76	19.50	27.87		28.06	0.000288	3.54	516.54	92.85	0.26
ELDER	REACH2	3.419	Post 10yr	1108.52	19.50	26.23		26.36	0.000268	2.94	377.64	85.55	0.25
ELDER	REACH2	3.419	weirs	1826.76	19.50	27.88		28.06	0.000286	3.45	529.44	98.55	0.26
ELDER	REACH2	3.286	Post 10yr	1108.33	18.90	25.59		25.98	0.000871	5.01	221.03	53.22	0.43
ELDER	REACH2	3.286	weirs	1826.50	18.90	27.11		27.65	0.000951	5.94	307.65	61.18	0.47
ELDER	REACH2	3.141	Post 10yr	1126.00	18.30	24.68		25.15	0.001257	5.54	203.20	55.97	0.51
ELDER	REACH2	3.141	weirs	1830.97	18.30	26.28		26.85	0.001146	6.05	302.55	68.03	0.51
ELDER	REACH2	3.092	Post 10yr	1125.99	18.30	24.71	21.51	24.93	0.000389	3.75	299.91	60.39	0.30
ELDER	REACH2	3.092	weirs	1830.67	18.30	26.31	22.53	26.64	0.000446	4.56	401.19	66.25	0.33
ELDER	REACH2	3.081		Bridge									
ELDER	REACH2	3.071	Post 10yr	1125.99	18.30	24.60		24.83	0.000416	3.84	293.23	60.00	0.31
ELDER	REACH2	3.071	weirs	1830.97	18.30	26.17		26.51	0.000476	4.67	391.92	65.65	0.34
ELDER	REACH2	3.07	Post 10yr	1125.99	18.20	24.19		24.85	0.001773	6.54	172.21	47.50	0.61
ELDER	REACH2	3.07	weirs	1830.95	18.20	25.71		26.53	0.001691	7.28	251.41	56.83	0.61
ELDER	REACH2	3.01	Post 10yr	1125.98	18.00	24.10		24.45	0.000741	4.74	237.65	55.08	0.40
ELDER	REACH2	3.01	weirs	1830.95	18.00	25.65		26.13	0.000789	5.57	328.45	62.13	0.43
ELDER	REACH2	2.944	Post 10yr	1130.00	17.20	23.46		24.06	0.001503	6.18	182.76	48.35	0.56
ELDER	REACH2	2.944	weirs	1831.80	17.20	24.99		25.74	0.001478	6.95	263.58	57.68	0.57
ELDER	REACH2	2.861	Post 10yr	1135.04	16.85	22.89		23.44	0.001290	5.93	181.31	47.80	0.52
ELDER	REACH2	2.861	weirs	1832.93	16.85	24.41		25.12	0.001323	6.80	269.73	55.85	0.54
ELDER	REACH2	2.794	Post 10yr	1139.07	16.50	23.00		23.10	0.000208	2.56	445.27	103.66	0.22
ELDER	REACH2	2.794	weirs	1833.81	16.50	24.63		24.76	0.000205	2.94	623.95	116.05	0.22
ELDER	REACH2	2.736	Post 10yr	1139.03	16.38	22.62		22.98	0.000744	4.80	237.10	53.88	0.40
ELDER	REACH2	2.736	weirs	1833.77	16.38	24.15		24.65	0.000789	5.67	323.34	59.29	0.43
ELDER	REACH2	2.673	Post 10yr	1144.49	16.00	22.35	19.90	22.73	0.000736	4.96	230.77	49.06	0.40
ELDER	REACH2	2.673	weirs	1835.26	16.00	23.82	21.01	24.38	0.000839	6.00	305.66	53.12	0.44
ELDER	REACH2	2.655		Bridge									
ELDER	REACH2	2.656	Post 10yr	1144.49	16.00	22.16		22.57	0.000831	5.17	221.37	48.52	0.43
ELDER	REACH2	2.656	weirs	1835.21	16.00	23.56		24.17	0.000956	6.28	292.07	52.42	0.47
ELDER	REACH2	2.603	Post 10yr	1149.43	15.90	21.94		22.34	0.000803	5.09	226.04	48.76	0.42

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH2	2.603	weirs	1836.60	15.90	23.30		23.90	0.000950	6.21	295.57	53.13	0.46
ELDER	REACH2	2.546	Post 10yr	1154.43	15.68	21.54		22.04	0.001146	5.68	203.27	49.78	0.50
ELDER	REACH2	2.546	weirs	1837.97	15.68	22.86		23.57	0.001255	6.74	272.58	54.80	0.53
ELDER	REACH2	2.487	Post 10yr	1158.59	16.00	21.27		21.70	0.001043	5.27	219.85	56.74	0.47
ELDER	REACH2	2.487	weirs	1839.40	16.00	22.63		23.21	0.001057	6.11	301.08	62.55	0.49
ELDER	REACH2	2.354	Post 10yr	1171.08	14.88	20.76		21.07	0.000720	4.51	259.74	64.60	0.40
ELDER	REACH2	2.354	weirs	1842.48	14.88	22.16		22.57	0.000750	5.16	356.93	74.59	0.42
ELDER	REACH2	2.289	Post 10yr	1171.05	14.80	20.47	17.67	20.78	0.000596	4.43	264.21	53.00	0.35
ELDER	REACH2	2.289	weirs	1842.47	14.80	21.76	18.64	22.24	0.000724	5.54	332.72	53.00	0.39
ELDER	REACH2	2.258		Bridge									
ELDER	REACH2	2.250	Post 10yr	1170.93	14.90	19.47		19.96	0.001182	5.62	208.53	50.48	0.49
ELDER	REACH2	2.250	weirs	1842.02	14.90	20.82		21.50	0.001231	6.57	280.22	53.00	0.50
ELDER	REACH2	2.219	Post 10yr	1170.92	13.60	19.44		19.79	0.000869	4.75	246.36	65.18	0.43
ELDER	REACH2	2.219	weirs	1842.02	13.60	20.89		21.33	0.000804	5.32	345.95	72.39	0.43
ELDER	REACH2	2.149	Post 10yr	1173.46	13.26	19.16		19.48	0.000778	4.57	256.78	66.41	0.41
ELDER	REACH2	2.149	weirs	1842.43	13.26	20.64		21.05	0.000712	5.12	359.70	72.87	0.41
ELDER	REACH2	2.098	Post 10yr	1175.20	12.91	18.93		19.27	0.000822	4.66	251.26	65.38	0.42
ELDER	REACH2	2.098	weirs	1842.61	12.91	20.43		20.85	0.000738	5.19	354.94	72.27	0.41
ELDER	REACH2	2.036	Post 10yr	1177.29	12.57	18.60		18.97	0.000957	4.92	239.20	64.67	0.45
ELDER	REACH2	2.036	weirs	1842.94	12.57	20.16		20.60	0.000798	5.33	345.77	71.88	0.43
ELDER	REACH2	1.978	Post 10yr	1179.17	12.13	18.43		18.73	0.000635	4.38	269.18	63.40	0.37
ELDER	REACH2	1.978	weirs	1843.24	12.13	20.01		20.39	0.000598	4.92	374.91	70.46	0.38
ELDER	REACH2	1.921	Post 10yr	1179.15	12.00	18.37		18.60	0.000205	3.83	307.82	67.24	0.32
ELDER	REACH2	1.921	weirs	1843.23	12.00	19.97		20.27	0.000206	4.37	421.47	75.31	0.33
ELDER	REACH2	1.908	Post 10yr	1179.15	10.80	18.43	14.37	18.59	0.000110	3.25	362.84	60.44	0.23
ELDER	REACH2	1.908	weirs	1843.23	10.80	20.00	15.25	20.25	0.000132	4.00	460.32	62.92	0.26
ELDER	REACH2	1.893		Bridge									
ELDER	REACH2	1.885	Post 10yr	1177.85	10.70	17.85		18.05	0.000140	3.52	334.46	59.61	0.26
ELDER	REACH2	1.885	weirs	1842.89	10.70	19.46		19.74	0.000159	4.26	432.11	62.41	0.29
ELDER	REACH2	1.864	Post 10yr	1177.62	10.50	17.75		18.05	0.000228	4.39	268.52	49.58	0.33
ELDER	REACH2	1.864	weirs	1842.79	10.50	19.31		19.74	0.000266	5.27	349.65	54.57	0.37
ELDER	REACH2	1.663	Post 10yr	1176.20	8.80	17.24		17.59	0.000626	4.77	246.50	48.41	0.37
ELDER	REACH2	1.663	weirs	1842.48	8.80	18.69		19.20	0.000756	5.74	321.16	54.98	0.42
ELDER	REACH2	1.495	Post 10yr	1174.37	8.50	16.69		17.04	0.000624	4.77	246.21	48.15	0.37
ELDER	REACH2	1.495	weirs	1769.83	8.50	18.00		18.50	0.000741	5.65	313.32	53.96	0.41
ELDER	REACH2	1.336	Post 10yr	1172.63	7.50	16.37		16.61	0.000388	3.99	294.16	52.15	0.30
ELDER	REACH2	1.336	weirs	1769.58	7.50	17.60		17.98	0.000496	4.90	361.13	56.20	0.34
ELDER	REACH2	1.305	Post 10yr	1173.18	6.50	16.42	10.94	16.57	0.000190	3.01	389.71	61.64	0.21
ELDER	REACH2	1.305	weirs	1769.64	6.50	17.69	11.96	17.91	0.000262	3.75	472.27	68.45	0.25
ELDER	REACH2	1.292		Bridge									
ELDER	REACH2	1.281	Post 10yr	1172.64	6.50	16.35		16.50	0.000196	3.04	385.42	61.26	0.21
ELDER	REACH2	1.281	weirs	1769.57	6.50	17.58		17.81	0.000273	3.81	464.83	67.87	0.26
ELDER	REACH2	1.280	Post 10yr	1172.35	7.10	16.30		16.50	0.000290	3.59	326.76	54.64	0.26
ELDER	REACH2	1.280	weirs	1769.53	7.10	17.50		17.81	0.000388	4.49	394.42	58.28	0.30
ELDER	REACH2	1.263	Post 10yr	1342.83	7.10	16.20		16.41	0.000315	3.72	361.00	62.33	0.27
ELDER	REACH2	1.263	weirs	1943.11	7.10	17.41		17.72	0.000384	4.41	440.14	67.97	0.31
ELDER	REACH2	1.148	Post 10yr	1341.61	6.90	15.90		16.19	0.000438	4.29	313.05	54.82	0.32
ELDER	REACH2	1.148	weirs	1942.93	6.90	17.02		17.43	0.000550	5.16	376.87	59.07	0.36
ELDER	REACH2	0.949	Post 10yr	1339.72	6.50	15.48		15.75	0.000397	4.17	321.20	54.45	0.30
ELDER	REACH2	0.949	weirs	1942.75	6.50	16.45		16.86	0.000540	5.17	375.62	57.80	0.36
ELDER	REACH2	0.835	Post 10yr	1338.75	6.00	15.24		15.51	0.000398	4.14	322.99	55.36	0.30
ELDER	REACH2	0.835	weirs	1942.65	6.00	16.11		16.53	0.000565	5.22	372.30	58.53	0.36
ELDER	REACH2	0.804	Post 10yr	1338.75	6.00	15.27	10.61	15.45	0.000248	3.44	388.63	62.72	0.24
ELDER	REACH2	0.804	weirs	1942.66	6.00	16.16	11.51	16.45	0.000355	4.36	445.81	66.00	0.30
ELDER	REACH2	0.797		Bridge									

HEC-RAS Profile: Max WS (Continued)

River	Reach	River Sta	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
ELDER	REACH2	0.789	Post 10yr	1338.44	6.00	15.22		15.41	0.000253	3.47	385.44	62.53	0.25
ELDER	REACH2	0.789	weirs	1942.62	6.00	16.08		16.38	0.000366	4.41	440.80	65.72	0.30
ELDER	REACH2	0.788	Post 10yr	1337.79	5.90	15.10		15.41	0.000456	4.41	303.44	52.23	0.32
ELDER	REACH2	0.788	weirs	1942.58	5.90	15.89		16.38	0.000673	5.62	345.93	55.31	0.40
ELDER	REACH2	0.76	Post 10yr	1337.78	5.90	15.06		15.34	0.000419	4.24	315.34	54.18	0.31
ELDER	REACH2	0.76	weirs	1942.56	5.90	15.83		16.29	0.000625	5.42	358.30	57.43	0.38
ELDER	REACH2	0.671	Post 10yr	1337.10	5.60	14.93		15.17	0.000327	3.89	343.91	56.00	0.28
ELDER	REACH2	0.671	weirs	1942.51	5.60	15.62		16.02	0.000509	5.07	383.46	58.34	0.35
ELDER	REACH2	0.587	Post 10yr	1334.99	5.40	14.62		14.97	0.000574	4.74	281.89	51.95	0.36
ELDER	REACH2	0.587	weirs	1942.36	5.40	15.07		15.70	0.000976	6.35	305.69	53.96	0.47
ELDER	REACH2	0.574	Post 10yr	1336.03	5.30	14.77		14.93	0.000209	3.20	417.77	66.49	0.22
ELDER	REACH2	0.574	weirs	1942.42	5.30	15.36		15.64	0.000344	4.25	457.06	68.76	0.29
ELDER	REACH2	0.569	Post 10yr	1336.02	5.50	14.76	10.19	14.93	0.000234	3.32	402.27	64.96	0.24
ELDER	REACH2	0.569	weirs	1942.42	5.50	15.32	11.02	15.63	0.000409	4.41	440.32	70.17	0.31
ELDER	REACH2	0.556		Bridge									
ELDER	REACH2	0.543	Post 10yr	1335.00	5.50	14.67		14.85	0.000238	3.36	396.84	63.62	0.24
ELDER	REACH2	0.543	weirs	1942.38	5.50	15.16		15.48	0.000423	4.53	429.03	67.54	0.32
ELDER	REACH2	0.394	Post 10yr	1334.62	4.80	14.57		14.69	0.000154	2.87	465.81	68.11	0.19
ELDER	REACH2	0.394	weirs	1942.32	4.80	14.96		15.20	0.000277	3.94	493.05	69.37	0.26
ELDER	REACH2	0.388	Post 10yr	2014.23	4.80	14.19		14.51	0.000413	4.58	440.25	56.91	0.31
ELDER	REACH2	0.388	weirs	2667.49	4.60	14.43		14.96	0.000652	5.84	456.46	67.67	0.40
ELDER	REACH2	0.216	Post 10yr	2014.12	4.30	13.80		14.13	0.000423	4.64	434.17	65.65	0.32
ELDER	REACH2	0.216	weirs	2667.44	4.30	13.71		14.31	0.000770	6.23	428.37	65.36	0.43
ELDER	REACH2	0.2	Post 10yr	2014.12	4.30	13.76		14.10	0.000430	4.67	431.56	65.52	0.32
ELDER	REACH2	0.2	weirs	2667.44	4.30	13.63		14.25	0.000798	6.30	423.09	65.10	0.44
ELDER	REACH2	0.019	Post 10yr	2014.10	5.50	13.29	9.63	13.65	0.000500	4.87	413.88	67.40	0.35
ELDER	REACH2	0.019	weirs	2667.43	5.50	12.22	10.40	13.15	0.001500	7.76	343.84	63.76	0.59