

RAS Model Data

For

Elder and Gerber Creeks – Interim Ultimate

Model Schematic Layout

Input Hydrograph Summary

Summary Output Table

RAS Input Hyd. .aph Summary

River	Reach	Starts or Location	Ends at Xsect	Type	DSS File	DSS Path
River	Reach1	1.3	1.14	Flow Hydrograph	ElderTrib-ult.dss	/VINTAGE/E3/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	1.21		Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/E3A/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	1.175*		Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/VE/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	1.14	1.05	Uniform Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/VE/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	0.99	0.62	Uniform Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/VE/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	0.93		Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/E3D/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	0.75		Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/E3C/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	.55	.15	Uniform Lateral Inflow Hydrograph	ElderTrib-ult.dss	/VINTAGE/E3E/FLOW/31DEC1999/1MIN/100YR-24HR/
River	Reach1	0.00		Stage Hydrograph	FVCP.dss	/ELDER REACH1/8.195/STAGE/01JAN2000/5MIN/100YR EXT/

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
Reach1	1.3	10-yr	55.21	67.96	68.88		68.90	0.002534	1.13	48.98	104.61	0.29
Reach1	1.3	100-yr	99.67	67.96	69.12		69.15	0.002496	1.32	75.30	127.43	0.30
Reach1	1.3	UII2 100yr	99.72	67.96	69.12		69.15	0.002496	1.32	75.34	127.54	0.30
Reach1	1.27*	10-yr	55.16	67.55	68.48		68.50	0.002376	1.14	48.24	96.12	0.28
Reach1	1.27*	100-yr	99.54	67.55	68.73		68.76	0.002355	1.34	74.44	116.47	0.29
Reach1	1.27*	UII2 100yr	99.58	67.55	68.73		68.76	0.002364	1.34	74.32	116.29	0.30
Reach1	1.24*	10-yr	55.10	67.14	68.10		68.12	0.002265	1.14	48.18	92.59	0.28
Reach1	1.24*	100-yr	99.50	67.14	68.37		68.40	0.002034	1.32	75.50	108.17	0.28
Reach1	1.24*	UII2 100yr	99.54	67.14	68.37		68.40	0.002088	1.33	74.85	107.91	0.28
Reach1	1.21	10-yr	55.07	66.73	67.79		67.81	0.001652	1.05	52.63	91.17	0.24
Reach1	1.21	100-yr	99.15	66.73	68.09		68.12	0.001439	1.21	81.63	101.94	0.24
Reach1	1.21	UII2 100yr	99.28	66.73	68.09		68.11	0.001473	1.22	81.09	101.85	0.24
Reach1	1.175*	10-yr	75.20	66.06	67.33		67.36	0.002952	1.45	52.04	85.83	0.33
Reach1	1.175*	100-yr	136.49	66.06	67.66		67.70	0.002694	1.60	85.55	113.57	0.32
Reach1	1.175*	UII2 100yr	136.46	66.06	67.66		67.70	0.002667	1.59	85.86	113.81	0.32
Reach1	1.14	10-yr	81.13	65.39	66.77		66.80	0.002694	1.55	52.24	72.17	0.32
Reach1	1.14	100-yr	144.16	65.39	67.11		67.16	0.002835	1.76	81.98	97.68	0.34
Reach1	1.14	UII2 100yr	143.79	65.39	67.15		67.19	0.002485	1.67	85.87	99.76	0.32
Reach1	1.13		Lat Struct									
Reach1	1.122*	10-yr	80.21	65.20	66.50		66.54	0.003058	1.61	49.76	71.52	0.34
Reach1	1.122*	100-yr	133.79	65.20	66.87		66.92	0.002558	1.65	81.24	98.89	0.32
Reach1	1.122*	UII2 100yr	144.31	65.20	66.91		66.95	0.002729	1.71	84.28	101.61	0.33
Reach1	1.11	10-yr	81.07	64.81	66.39		66.40	0.000899	0.91	88.65	119.07	0.19
Reach1	1.11	100-yr	133.65	64.81	66.75		66.76	0.000756	0.98	135.95	143.93	0.18
Reach1	1.11	UII2 100yr	145.13	64.81	66.81		66.83	0.000756	1.00	145.76	151.30	0.18
Reach1	1.104*	10-yr	81.95	65.01	66.19		66.24	0.004745	1.83	44.70	73.65	0.41
Reach1	1.104*	100-yr	135.08	65.01	66.47		66.53	0.004371	1.98	68.05	93.60	0.41
Reach1	1.104*	UII2 100yr	145.79	65.01	66.67		66.71	0.002614	1.65	88.12	108.32	0.32
Reach1	1.068*	10-yr	82.80	64.62	65.91		65.93	0.002546	1.26	65.74	119.28	0.30
Reach1	1.068*	100-yr	135.95	64.62	66.23		66.25	0.001679	1.27	107.25	141.03	0.26
Reach1	1.068*	UII2 100yr	146.64	64.62	66.60		66.61	0.000598	0.89	164.90	170.15	0.16
Reach1	1.05	10-yr	65.01	64.43	65.37		65.43	0.009890	1.88	34.59	95.26	0.55
Reach1	1.05	100-yr	137.97	64.43	65.58		65.66	0.011323	2.33	59.14	130.37	0.61
Reach1	1.05	UII2 100yr	68.43	64.43	65.46		65.50	0.006216	1.54	44.53	117.13	0.44
Reach1	0.99	10-yr	83.83	58.90	60.19		60.31	0.004733	2.72	30.87	27.76	0.45
Reach1	0.99	100-yr	137.93	58.90	61.73		61.77	0.000780	1.71	80.46	36.95	0.20
Reach1	0.99	UII2 100yr	106.52	58.90	61.62		61.65	0.000533	1.39	76.72	36.34	0.17
Reach1	0.97	10-yr	83.83	58.30	60.14		60.19	0.001370	1.79	46.89	31.03	0.26
Reach1	0.97	100-yr	137.93	58.30	61.71		61.74	0.000385	1.34	103.23	40.49	0.15
Reach1	0.97	UII2 100yr	107.86	58.30	61.62		61.63	0.000263	1.09	99.28	39.90	0.12
Reach1	.94	10-yr	83.82	57.60	60.12		60.14	0.000440	1.21	69.35	35.10	0.15
Reach1	.94	100-yr	137.91	57.60	61.69		61.70	0.000194	1.05	131.77	44.51	0.11
Reach1	.94	UII2 100yr	111.85	57.60	61.59		61.60	0.000139	0.88	127.68	43.96	0.09
Reach1	0.85	10-yr	60.46	56.40	59.92		59.96	0.001195	1.49	40.59	13.04	0.15
Reach1	0.85	100-yr	113.36	56.40	60.93		61.00	0.002219	2.05	55.32	17.97	0.21
Reach1	0.85	UII2 100yr	123.48	56.40	61.37		61.43	0.001820	1.95	63.43	19.19	0.19
Reach1	0.83	10-yr	60.55	56.30	59.93		59.94	0.000059	0.54	112.24	41.80	0.06
Reach1	0.83	100-yr	113.40	56.30	60.88		60.88	0.000085	0.73	154.38	47.47	0.07
Reach1	0.83	UII2 100yr	126.65	56.30	61.39		61.40	0.000069	0.71	179.64	50.56	0.07
Reach1	.78	10-yr	85.35	55.90	59.91		59.91	0.000080	0.67	128.23	44.03	0.07
Reach1	.78	100-yr	165.60	55.90	60.83		60.84	0.000135	0.97	171.49	49.57	0.09
Reach1	.78	UII2 100yr	193.81	55.90	61.35		61.36	0.000124	0.98	197.97	52.68	0.09
Reach1	0.75	10-yr	85.18	55.60	59.90		59.90	0.000061	0.60	141.29	45.78	0.06
Reach1	0.75	100-yr	167.39	55.60	60.81		60.83	0.000110	0.90	185.80	51.28	0.08
Reach1	0.75	UII2 100yr	198.55	55.60	61.33		61.35	0.000106	0.93	213.21	283.96	0.08
Reach1	0.63		Lat Struct									
Reach1	0.62	10-yr	138.53	54.90	59.85		59.87	0.000465	1.24	111.99	219.81	0.15
Reach1	0.62	100-yr	207.06	54.90	60.77		60.80	0.000297	1.25	167.28	700.93	0.13
Reach1	0.62	UII2 100yr	284.77	54.90	61.30		61.31	0.000360	1.03	271.46	720.26	0.10

HEC-RAS River: River Reach: Reach1 Profile: Max WS (Continued)

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
Reach1	0.61		Culvert									
Reach1	.60	10-yr	137.52	54.90	59.27		59.32	0.001268	1.70	80.66	426.24	0.24
Reach1	.60	100-yr	206.15	54.90	59.51		59.59	0.001806	2.21	93.37	500.72	0.30
Reach1	.60	UII2 100yr	281.98	54.70	59.00		59.05	0.001412	1.80	157.05	118.20	0.19
Reach1	.55	10-yr	134.72	55.00	58.88		58.90	0.001825	1.40	138.64	914.58	0.26
Reach1	.55	100-yr	200.91	55.00	58.98		59.01	0.002325	1.71	185.93	1219.64	0.30
Reach1	.55	UII2 100yr	280.28	54.45	58.69		58.72	0.001040	1.32	217.83	121.35	0.16
Reach1	.50	10-yr	132.16	55.00	58.14		58.21	0.003487	2.24	79.30	379.99	0.38
Reach1	.50	100-yr	175.76	55.00	58.63		58.65	0.000595	1.18	225.24	1427.73	0.17
Reach1	.50	UII2 100yr	286.69	54.20	58.40		58.43	0.001160	1.35	214.03	112.99	0.17
Reach1	.44	10-yr	127.85	54.50	58.05		58.05	0.000136	0.56	399.82	1827.62	0.08
Reach1	.44	100-yr	161.54	54.50	58.55		58.55	0.000028	0.31	811.55	2202.91	0.04
Reach1	.44	UII2 100yr	294.69	53.80	58.09		58.11	0.000841	1.20	250.05	137.64	0.14
Reach1	.36	10-yr	131.06	54.50	57.88		57.91	0.002614	1.68	99.24	516.02	0.32
Reach1	.36	100-yr	174.65	54.50	58.00		58.04	0.002487	1.78	121.55	567.30	0.32
Reach1	.36	UII2 100yr	303.52	53.57	57.69		57.73	0.001013	1.59	193.92	74.16	0.16
Reach1	.15	10-yr	138.02	53.71	55.73		55.76	0.001502	1.59	128.38	539.40	0.26
Reach1	.15	100-yr	91.60	53.71	56.40		56.40	0.000036	0.33	465.55	1582.78	0.04
Reach1	.15	UII2 100yr	42.70	52.59	56.40		56.40	0.000020	0.20	217.91	102.25	0.02
Reach1	0.00	10-yr	137.80	52.67	54.73	54.43	54.75	0.001530	1.55	142.35	393.64	0.26
Reach1	0.00	100-yr	43.97	52.67	56.39	53.70	56.39	0.000000	0.03	2299.93	1982.75	0.00
Reach1	0.00	UII2 100yr	26.40	52.00	56.39	52.37	56.39	0.000001	0.08	390.85	1982.75	0.01