

RAS Model Data

For

Elder and Gerber Creeks – Stand Alone with Laguna Spill

Model Schematic Layout

Input Hydrograph Summary

Summary Output Table

RAS Model Data

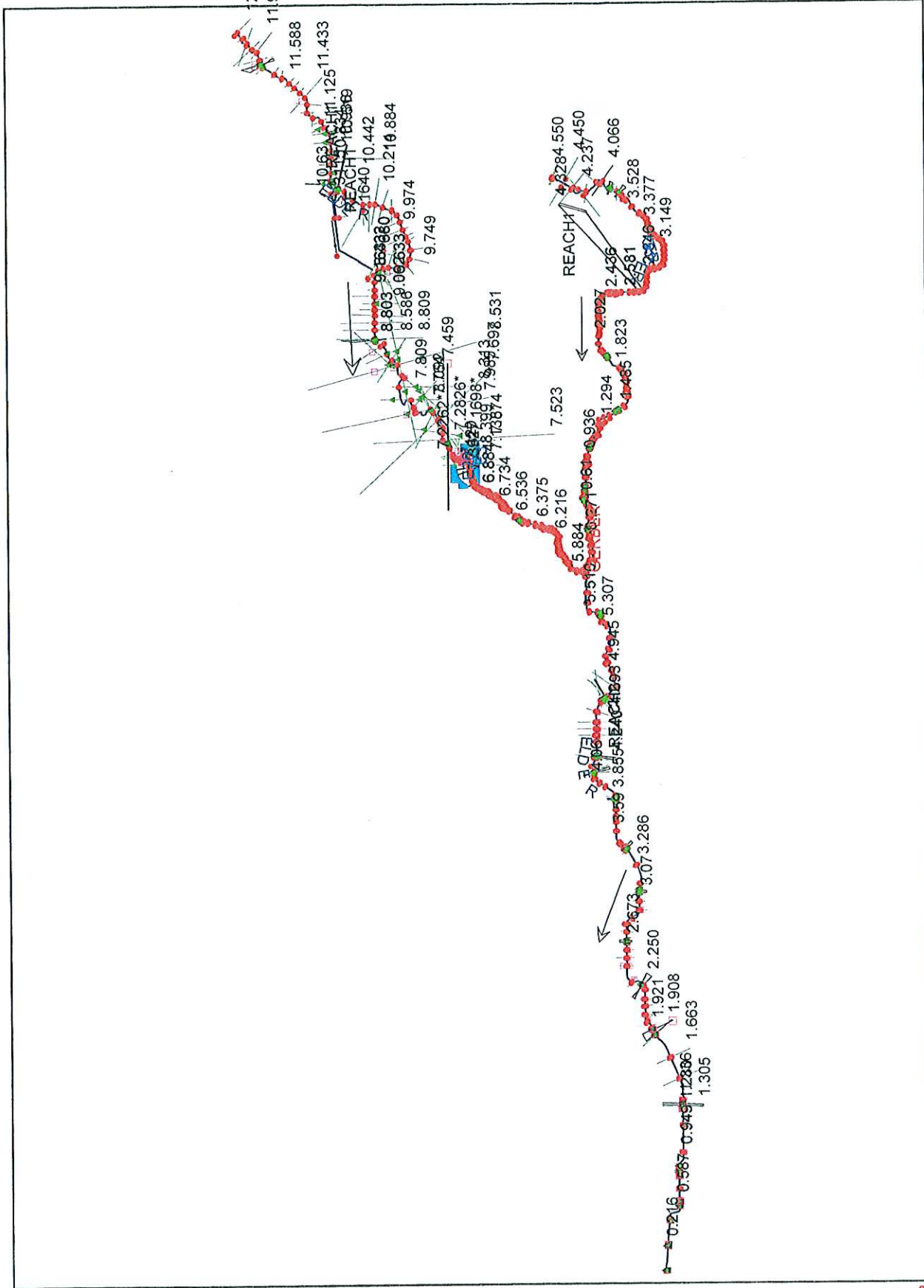
For

Elder and Gerber Creeks – Stand Alone without Laguna Spill

Model Schematic Layout

Input Hydrograph Summary

Summary Output Table



River	Reach	Starts of Location	Ends at Xsect	Type	DSS File	DSS Path
ELDER	REACH1	12.205		Flow Hydrograph	Standalone.dss	/ELDER GE/E1A/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	11.063		Lateral Inflow Hydrograph	ERG-24HR.dss	/ELDER CREEK/R-RE1B/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	10.272		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E1A/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	9.438		Lateral Inflow Hydrograph	dss	/ELDER CRK NU REACH1/680/FLOW/02JUN2000/10MIN/EVCP NOSPILL/
ELDER	REACH1	7.809		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/CE3E/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	12.02	11.944	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E1C/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	6.872	7.809	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E2/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	6.572	6.244	Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E4A/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH1	6.684	5.884	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E5/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	5.359	4.693	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E6/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	5.307	4.693	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7A/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	4.945	4.485	Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7B/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	4.642	4.485	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7C/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	4.391	4.240	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E8/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	4.06	3.855	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E9/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	3.286	3.141	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E10/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	3.01	2.794	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E11/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	2.736	2.354	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E12/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	2.219	1.978	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E13/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	1.280		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/R-E14/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	0.394		Lateral Inflow Hydrograph	ERG-24HR.dss	/FLORIN CREEK/R-CF15/FLOW/31DEC1999/1MIN/100YR-24HR/
ELDER	REACH2	0.019		Friction Slope=0.0015		
ELDER CRK REACH1	3115			Flow Hydrograph	Standalone.dss	
GERBER	REACH1	4.550		Flow Hydrograph	Standalone.dss	/ELDER GE/G2A/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	3.883	2.581	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G2B/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	2.360		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3A/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	2.052		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3B/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	1.931	1.800	Uniform Lateral Inflow Hydrograph	ERG-24HR.dss	/TRANSFER REACH TRANSFER REACH/600/FLOW/31DEC1999/10MIN/100YR-24HR/
GERBER	REACH1	1.823	1.434	Uniform Lateral Inflow Hydrograph	ERG-24HR.dss	/GERBER CREEK/G3D/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	1.402	1.343	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3C/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	1.162	1.013	Uniform Lateral Inflow Hydrograph	ERG-24HR.dss	/CTRR REACH CTRR REACH/200/FLOW/31DEC1999/10MIN/100YR-24HR/
GERBER	REACH1	1.133		Lateral Inflow Hydrograph	ERG-24HR.dss	/GERBER CREEK/G4/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	1.068	0.051	Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G5/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	0.28		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/CE4B/FLOW/31DEC1999/1MIN/100YR-24HR/
GERBER	REACH1	0.31		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E4B3/FLOW/31DEC1999/1MIN/100YR-24HR/

RAS Input Hydro Summary

River	Reach	Starts at Location	Ends at Xsect	Type	DSS File	DSS Path
ELDER	REACH1	12.205		Flow Hydrograph	Standalone.dss	/ELDER GE/E1A/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	11.063		Lateral Inflow Hydrograph	ELC-24HR.dss	/ELDER CREEK/R-E1B/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	10.272		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/RETE1B/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	9.436		Lateral Inflow Hydrograph	dss	/ELDER CRK RD REACH1/680/FLOW/02JAN2000/10MIN/EVCP NOSPILL/
ELDER	REACH1	7.809		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/GE3E/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	11.944		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E1C/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	10.507		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E2/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	6.872		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E4A/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	6.752		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E5/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH1	6.684		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E5B/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	5.359		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E6/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	5.307		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7A/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	4.945		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7B/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	4.642		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E7C/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	4.391		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E8/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	4.06		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E9/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	3.286		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E10/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	3.01		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E11/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	2.736		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E12/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	2.219		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E13/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	1.978		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E14/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	1.280		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/R-E14/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	0.394		Lateral Inflow Hydrograph	ELC-24HR.dss	/FLORIN CREEK/R-CF15/FLOW/31DEC1999/IMIN/100YR-24HR/
ELDER	REACH2	0.019		Friction Slope=0.0015		
ELDER CRK R1	REACH1	3115		Flow Hydrograph	Standalone.dss	
ELDER CRK R1	REACH1	680		Flow Hydrograph	Standalone.dss	
GERBER	REACH1	4.550		Flow Hydrograph	Standalone.dss	/ELDER GE/G2A/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	3.883		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G2B/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	2.360		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3A/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	2.052		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3B/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.823		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3D/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.800		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3E/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.756		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3F/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.485		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3G/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.402		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G3H/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	1.068		Uniform Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/G4B/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	E28		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/E4B/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	E31		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/GC3A1/FLOW/31DEC1999/IMIN/100YR-24HR/
GERBER	REACH1	G43		Lateral Inflow Hydrograph	Standalone.dss	/ELDER GE/GC3A1/FLOW/31DEC1999/IMIN/100YR-24HR/

HEC-RAS Profile: Max WS

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	4.550	Stand10yr	215.70	68.30	70.49		70.52	0.000857	1.46	211.10	273.97	0.21
GERBER	REACH1	4.550	SA with Spil	371.02	68.30	70.80		70.84	0.001096	1.66	297.79	289.31	0.24
GERBER	REACH1	4.550	SA NS 10YR	215.70	68.30	70.49		70.52	0.000852	1.46	211.63	274.06	0.21
GERBER	REACH1	4.550	SA-NOSpill	371.02	68.30	70.80		70.84	0.001096	1.86	297.80	289.31	0.24
GERBER	REACH1	4.540	Stand10yr	214.60	68.30	70.44		70.47	0.000994	1.54	196.94	271.38	0.22
GERBER	REACH1	4.540	SA with Spil	369.80	68.30	70.73		70.78	0.001292	1.97	278.34	285.94	0.26
GERBER	REACH1	4.540	SA NS 10YR	215.19	68.30	70.44		70.47	0.000993	1.54	197.54	271.49	0.22
GERBER	REACH1	4.540	SA-NOSpill	369.80	68.30	70.73		70.78	0.001292	1.97	278.35	285.94	0.26
GERBER	REACH1	4.450	Stand10yr	196.45	67.20	70.22		70.22	0.000035	0.36	549.66	265.55	0.04
GERBER	REACH1	4.450	SA with Spil	349.73	67.20	70.44		70.44	0.000084	0.58	608.08	277.47	0.07
GERBER	REACH1	4.450	SA NS 10YR	198.02	67.20	70.22		70.23	0.000036	0.36	550.20	265.67	0.04
GERBER	REACH1	4.450	SA-NOSpill	349.74	67.20	70.44		70.44	0.000084	0.58	608.08	277.47	0.07
GERBER	REACH1	4.370	Stand10yr	193.55	66.20	70.21		70.21	0.000035	0.46	596.42	1107.53	0.05
GERBER	REACH1	4.370	SA with Spil	342.54	66.20	70.40		70.41	0.000076	0.70	817.09	1137.51	0.07
GERBER	REACH1	4.370	SA NS 10YR	194.65	66.20	70.21		70.21	0.000036	0.46	598.50	1107.81	0.05
GERBER	REACH1	4.370	SA-NOSpill	342.54	66.20	70.40		70.41	0.000076	0.70	817.11	1137.51	0.07
GERBER	REACH1	4.328		Let Struct									
GERBER	REACH1	4.285	Stand10yr	59.58	65.70	70.20		70.20	0.000001	0.06	1149.77	1177.20	0.01
GERBER	REACH1	4.285	SA with Spil	64.18	65.70	70.39		70.39	0.000001	0.06	1375.38	1188.74	0.01
GERBER	REACH1	4.285	SA NS 10YR	59.53	65.70	70.20		70.20	0.000001	0.06	1151.93	1177.31	0.01
GERBER	REACH1	4.285	SA-NOSpill	64.19	65.70	70.39		70.39	0.000001	0.06	1375.40	1188.74	0.01
GERBER	REACH1	4.237	Stand10yr	59.39	65.50	70.20		70.20	0.000013	0.26	298.16	469.51	0.03
GERBER	REACH1	4.237	SA with Spil	63.80	65.50	70.39		70.39	0.000011	0.24	368.42	474.69	0.03
GERBER	REACH1	4.237	SA NS 10YR	59.48	65.50	70.20		70.20	0.000013	0.25	299.02	469.55	0.03
GERBER	REACH1	4.237	SA-NOSpill	63.81	65.50	70.39		70.39	0.000011	0.24	368.43	474.69	0.03
GERBER	REACH1	4.120	Stand10yr	59.27	65.40	70.19		70.19	0.000011	0.25	270.70	262.20	0.03
GERBER	REACH1	4.120	SA with Spil	63.59	65.40	70.38		70.39	0.000009	0.24	322.11	272.39	0.02
GERBER	REACH1	4.120	SA NS 10YR	59.32	65.40	70.19		70.20	0.000011	0.25	271.18	262.29	0.03
GERBER	REACH1	4.120	SA-NOSpill	63.60	65.40	70.38		70.39	0.000009	0.24	322.12	272.39	0.02
GERBER	REACH1	4.066	Stand10yr	59.24	65.50	70.19	65.70	70.19	0.000001	0.07	1035.25	333.89	0.01
GERBER	REACH1	4.066	SA with Spil	63.56	65.50	70.38	65.71	70.38	0.000001	0.07	1099.83	336.94	0.01
GERBER	REACH1	4.066	SA NS 10YR	59.29	65.50	70.19	65.70	70.19	0.000001	0.07	1035.87	333.92	0.01
GERBER	REACH1	4.066	SA-NOSpill	63.56	65.50	70.38	65.71	70.38	0.000001	0.07	1099.83	336.94	0.01
GERBER	REACH1	4.064		Inl Struct									
GERBER	REACH1	3.985	Stand10yr	59.24	66.00	70.19		70.19	0.000002	0.13	708.70	249.83	0.01
GERBER	REACH1	3.985	SA with Spil	63.56	66.00	70.38		70.38	0.000002	0.13	757.06	252.48	0.01
GERBER	REACH1	3.985	SA NS 10YR	59.29	66.00	70.19		70.19	0.000002	0.13	709.17	249.85	0.01
GERBER	REACH1	3.985	SA-NOSpill	63.56	66.00	70.38		70.38	0.000002	0.13	757.06	252.48	0.01
GERBER	REACH1	3.982	Stand10yr	59.24	66.00	70.19		70.19	0.000002	0.13	708.70	249.83	0.01
GERBER	REACH1	3.982	SA with Spil	63.56	66.00	70.38		70.38	0.000002	0.13	757.06	252.48	0.01
GERBER	REACH1	3.982	SA NS 10YR	59.29	66.00	70.19		70.19	0.000002	0.13	709.16	249.85	0.01
GERBER	REACH1	3.982	SA-NOSpill	63.56	66.00	70.38		70.38	0.000002	0.13	757.06	252.48	0.01
GERBER	REACH1	3.974		Culvert									
GERBER	REACH1	3.967	Stand10yr	59.24	66.00	66.63		66.67	0.004651	1.69	39.66	93.29	0.40
GERBER	REACH1	3.967	SA with Spil	63.56	66.00	66.66		66.70	0.004248	1.68	43.10	96.54	0.39
GERBER	REACH1	3.967	SA NS 10YR	59.28	66.00	66.63		66.67	0.004647	1.69	39.69	93.32	0.40
GERBER	REACH1	3.967	SA-NOSpill	63.56	66.00	66.66		66.70	0.004248	1.68	43.10	96.54	0.39
GERBER	REACH1	3.912	Stand10yr	59.24	62.80	65.23		65.39	0.004340	3.16	18.73	11.22	0.43
GERBER	REACH1	3.912	SA with Spil	63.56	62.80	65.30		65.47	0.004462	3.26	19.52	11.42	0.44
GERBER	REACH1	3.912	SA NS 10YR	59.28	62.80	65.23		65.39	0.004341	3.16	18.73	11.22	0.43
GERBER	REACH1	3.912	SA-NOSpill	63.56	62.80	65.30		65.47	0.004451	3.26	19.52	11.42	0.44
GERBER	REACH1	3.893	Stand10yr	59.24	63.30	64.98		65.06	0.002198	2.17	27.26	16.20	0.30
GERBER	REACH1	3.893	SA with Spil	63.55	63.30	65.05		65.13	0.002247	2.24	28.33	16.20	0.30
GERBER	REACH1	3.893	SA NS 10YR	59.28	63.30	64.98		65.06	0.002199	2.17	27.27	16.20	0.30
GERBER	REACH1	3.893	SA-NOSpill	63.55	63.30	65.05		65.13	0.002247	2.24	28.33	16.20	0.30
GERBER	REACH1	3.888		Culvert									
GERBER	REACH1	3.883	Stand10yr	59.19	63.10	64.18	64.49	65.21	0.133231	8.14	7.27	10.48	1.72
GERBER	REACH1	3.883	SA with Spil	61.16	63.10	64.34	64.52	65.06	0.078304	6.82	8.97	11.20	1.34
GERBER	REACH1	3.883	SA NS 10YR	59.23	63.10	64.18	64.49	65.21	0.133101	8.14	7.28	10.48	1.72
GERBER	REACH1	3.883	SA-NOSpill	61.18	63.10	64.35	64.52	65.05	0.075679	6.74	9.08	11.24	1.32
GERBER	REACH1	3.642	Stand10yr	59.30	56.30	58.68		58.69	0.000412	0.77	78.56	39.29	0.10
GERBER	REACH1	3.642	SA with Spil	61.59	56.30	61.07		61.07	0.000035	0.33	187.24	53.59	0.03
GERBER	REACH1	3.642	SA NS 10YR	59.31	56.30	58.69		58.70	0.000408	0.77	76.87	39.34	0.10
GERBER	REACH1	3.642	SA-NOSpill	61.58	56.30	61.07		61.07	0.000035	0.33	187.30	53.60	0.03
GERBER	REACH1	3.604	Stand10yr	62.97	56.20	58.59		58.60	0.000451	0.81	77.79	40.01	0.10
GERBER	REACH1	3.604	SA with Spil	63.98	56.20	61.06		61.06	0.000034	0.33	195.44	55.46	0.03
GERBER	REACH1	3.604	SA NS 10YR	63.07	56.20	58.80		58.81	0.000447	0.81	78.14	40.06	0.10
GERBER	REACH1	3.604	SA-NOSpill	63.96	56.20	61.06		61.06	0.000034	0.33	195.51	55.47	0.03

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	3.566	Stand10yr	65.80	56.00	58.53		58.54	0.000410	0.80	82.45	40.22	0.10
GERBER	REACH1	3.566	SA with Spil	65.77	56.00	61.05		61.05	0.000031	0.32	203.19	55.42	0.03
GERBER	REACH1	3.566	SA NS 10YR	65.98	56.00	58.54		58.55	0.000406	0.80	82.83	40.28	0.10
GERBER	REACH1	3.566	SA-NOSpill	65.74	56.00	61.05		61.06	0.000031	0.32	203.25	55.43	0.03
GERBER	REACH1	3.528	Stand10yr	72.60	55.80	58.35		58.36	0.000487	0.87	83.11	40.28	0.11
GERBER	REACH1	3.528	SA with Spil	70.02	55.80	61.04		61.04	0.000031	0.33	213.40	56.44	0.03
GERBER	REACH1	3.528	SA NS 10YR	72.92	55.80	58.36		58.37	0.000484	0.87	83.54	40.34	0.11
GERBER	REACH1	3.528	SA-NOSpill	69.95	55.80	61.04		61.04	0.000031	0.33	213.46	56.45	0.03
GERBER	REACH1	3.490	Stand10yr	79.39	55.60	58.12		58.14	0.000601	0.97	82.21	40.14	0.12
GERBER	REACH1	3.490	SA with Spil	74.23	55.60	61.03		61.03	0.000030	0.33	224.08	57.57	0.03
GERBER	REACH1	3.490	SA NS 10YR	79.80	55.60	58.14		58.15	0.000597	0.97	82.69	40.22	0.12
GERBER	REACH1	3.490	SA-NOSpill	74.20	55.60	61.03		61.03	0.000030	0.33	224.15	57.57	0.03
GERBER	REACH1	3.452	Stand10yr	83.12	55.50	57.99		58.01	0.000690	1.03	80.92	39.95	0.13
GERBER	REACH1	3.452	SA with Spil	76.62	55.50	61.02		61.02	0.000030	0.33	229.50	58.13	0.03
GERBER	REACH1	3.452	SA NS 10YR	83.59	55.50	58.00		58.02	0.000685	1.03	81.43	40.03	0.13
GERBER	REACH1	3.452	SA-NOSpill	76.59	55.50	61.02		61.02	0.000030	0.33	229.57	58.14	0.03
GERBER	REACH1	3.415	Stand10yr	86.74	55.30	57.85		57.87	0.000689	1.04	83.33	40.31	0.13
GERBER	REACH1	3.415	SA with Spil	79.02	55.30	61.02		61.02	0.000028	0.33	240.89	59.29	0.03
GERBER	REACH1	3.415	SA NS 10YR	87.25	55.30	57.87		57.88	0.000684	1.04	83.89	40.39	0.13
GERBER	REACH1	3.415	SA-NOSpill	78.90	55.30	61.02		61.02	0.000028	0.33	240.97	59.30	0.03
GERBER	REACH1	3.377	Stand10yr	90.24	55.10	57.71		57.73	0.000685	1.05	85.79	40.68	0.13
GERBER	REACH1	3.377	SA with Spil	81.42	55.10	61.01		61.01	0.000026	0.32	252.54	60.46	0.03
GERBER	REACH1	3.377	SA NS 10YR	90.80	55.10	57.73		57.74	0.000680	1.05	86.41	40.77	0.13
GERBER	REACH1	3.377	SA-NOSpill	81.29	55.10	61.01		61.01	0.000026	0.32	252.61	60.47	0.03
GERBER	REACH1	3.339	Stand10yr	93.68	54.90	57.61		57.61	0.000454	0.79	118.78	64.24	0.10
GERBER	REACH1	3.339	SA with Spil	83.71	54.90	61.01		61.01	0.000012	0.22	381.47	90.20	0.02
GERBER	REACH1	3.339	SA NS 10YR	94.25	54.90	57.62		57.63	0.000448	0.79	119.82	64.37	0.10
GERBER	REACH1	3.339	SA-NOSpill	83.68	54.90	61.01		61.01	0.000012	0.22	381.58	90.21	0.02
GERBER	REACH1	3.301	Stand10yr	96.97	54.70	57.51		57.52	0.000471	0.81	119.94	64.22	0.10
GERBER	REACH1	3.301	SA with Spil	86.10	54.70	61.00		61.01	0.000012	0.22	391.67	91.37	0.02
GERBER	REACH1	3.301	SA NS 10YR	97.59	54.70	57.53		57.54	0.000464	0.81	121.06	64.35	0.10
GERBER	REACH1	3.301	SA-NOSpill	85.07	54.70	61.01		61.01	0.000012	0.22	391.79	91.38	0.02
GERBER	REACH1	3.263	Stand10yr	100.16	54.50	57.41		57.43	0.000486	0.83	121.23	64.20	0.11
GERBER	REACH1	3.263	SA with Spil	88.48	54.50	61.00		61.00	0.000011	0.22	401.87	92.26	0.02
GERBER	REACH1	3.263	SA NS 10YR	100.90	54.50	57.43		57.44	0.000478	0.82	122.45	64.35	0.11
GERBER	REACH1	3.263	SA-NOSpill	88.47	54.50	61.00		61.00	0.000011	0.22	401.98	92.27	0.02
GERBER	REACH1	3.225	Stand10yr	103.10	54.40	57.30		57.31	0.000614	1.05	97.82	42.53	0.12
GERBER	REACH1	3.225	SA with Spil	90.88	54.40	61.00		61.00	0.000021	0.31	296.65	64.92	0.03
GERBER	REACH1	3.225	SA NS 10YR	103.91	54.40	57.32		57.33	0.000608	1.05	98.69	42.65	0.12
GERBER	REACH1	3.225	SA-NOSpill	90.70	54.40	61.00		61.00	0.000021	0.31	296.73	64.93	0.03
GERBER	REACH1	3.187	Stand10yr	105.77	54.20	57.18		57.19	0.000583	1.04	101.34	42.99	0.12
GERBER	REACH1	3.187	SA with Spil	93.28	54.20	60.99		61.00	0.000020	0.30	309.22	65.93	0.02
GERBER	REACH1	3.187	SA NS 10YR	106.64	54.20	57.20		57.22	0.000577	1.04	102.27	43.12	0.12
GERBER	REACH1	3.187	SA-NOSpill	93.10	54.20	61.00		61.00	0.000020	0.30	309.30	65.94	0.02
GERBER	REACH1	3.149	Stand10yr	108.23	54.00	57.06		57.08	0.000555	1.03	104.68	43.37	0.12
GERBER	REACH1	3.149	SA with Spil	95.50	54.00	60.99		60.99	0.000019	0.30	321.32	66.94	0.02
GERBER	REACH1	3.149	SA NS 10YR	109.18	54.00	57.08		57.10	0.000550	1.03	105.67	43.51	0.12
GERBER	REACH1	3.149	SA-NOSpill	95.50	54.00	60.99		60.99	0.000019	0.30	321.40	66.95	0.02
GERBER	REACH1	3.112	Stand10yr	110.60	53.80	56.95		56.97	0.000520	1.02	108.70	43.92	0.11
GERBER	REACH1	3.112	SA with Spil	97.90	53.80	60.99		60.99	0.000017	0.29	334.57	68.12	0.02
GERBER	REACH1	3.112	SA NS 10YR	111.63	53.80	56.98		56.99	0.000515	1.02	109.74	44.07	0.11
GERBER	REACH1	3.112	SA-NOSpill	97.70	53.80	60.99		60.99	0.000017	0.29	334.65	68.12	0.02
GERBER	REACH1	3.074	Stand10yr	112.83	53.70	56.85		56.86	0.000545	1.04	108.50	43.97	0.12
GERBER	REACH1	3.074	SA with Spil	100.31	53.70	60.98		60.98	0.000017	0.29	341.96	68.91	0.02
GERBER	REACH1	3.074	SA NS 10YR	113.92	53.70	56.87		56.89	0.000540	1.04	109.57	44.12	0.12
GERBER	REACH1	3.074	SA-NOSpill	100.10	53.70	60.98		60.98	0.000017	0.29	342.05	68.92	0.02
GERBER	REACH1	3.036	Stand10yr	114.92	53.50	56.74		56.76	0.000511	1.03	112.08	44.18	0.11
GERBER	REACH1	3.036	SA with Spil	102.48	53.50	60.98		60.98	0.000016	0.29	352.53	69.27	0.02
GERBER	REACH1	3.036	SA NS 10YR	116.21	53.50	56.77		56.78	0.000508	1.03	113.19	44.33	0.11
GERBER	REACH1	3.036	SA-NOSpill	102.50	53.50	60.98		60.98	0.000016	0.29	352.62	69.28	0.02
GERBER	REACH1	2.998	Stand10yr	117.17	53.30	56.64		56.66	0.000473	1.00	116.70	44.75	0.11
GERBER	REACH1	2.998	SA with Spil	104.89	53.30	60.98		60.98	0.000016	0.29	365.85	70.23	0.02
GERBER	REACH1	2.998	SA NS 10YR	118.52	53.30	56.67		56.68	0.000470	1.01	117.87	44.90	0.11
GERBER	REACH1	2.998	SA-NOSpill	104.91	53.30	60.98		60.98	0.000016	0.29	365.94	70.24	0.02
GERBER	REACH1	2.960	Stand10yr	119.48	53.10	56.55		56.57	0.000441	0.99	121.19	45.25	0.11
GERBER	REACH1	2.960	SA with Spil	107.31	53.10	60.97		60.97	0.000015	0.28	378.71	71.22	0.02
GERBER	REACH1	2.960	SA NS 10YR	120.76	53.10	56.58		56.59	0.000437	0.99	122.40	45.41	0.11
GERBER	REACH1	2.960	SA-NOSpill	107.07	53.10	60.97		60.97	0.000015	0.28	378.81	71.22	0.02
GERBER	REACH1	2.922	Stand10yr	122.00	52.90	56.50		56.50	0.000186	0.60	202.41	83.98	0.07

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/s)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
GERBER	REACH1	2.922	SA with Spil	109.73	52.90	60.97		60.97	0.000005	0.17	662.97	121.87	0.01
GERBER	REACH1	2.922	SA NS 10YR	123.34	52.90	56.52		56.53	0.000184	0.60	204.70	84.21	0.07
GERBER	REACH1	2.922	SA-NOSpill	109.47	52.90	60.97		60.97	0.000005	0.17	663.13	121.88	0.01
GERBER	REACH1	2.884	Stand10yr	124.63	52.80	56.45		56.46	0.000257	0.73	171.80	68.61	0.08
GERBER	REACH1	2.884	SA with Spil	111.82	52.80	60.97		60.97	0.000007	0.19	574.10	109.39	0.01
GERBER	REACH1	2.884	SA NS 10YR	126.02	52.80	56.48		56.48	0.000254	0.73	173.70	68.66	0.08
GERBER	REACH1	2.884	SA-NOSpill	111.86	52.80	60.97		60.97	0.000007	0.19	574.24	109.40	0.01
GERBER	REACH1	2.846	Stand10yr	127.16	52.60	56.38		56.40	0.000354	0.93	136.77	47.32	0.10
GERBER	REACH1	2.846	SA with Spil	114.22	52.60	60.97		60.97	0.000013	0.27	415.67	74.36	0.02
GERBER	REACH1	2.846	SA NS 10YR	128.60	52.60	56.41		56.42	0.000353	0.93	138.10	47.48	0.10
GERBER	REACH1	2.846	SA-NOSpill	114.27	52.60	60.97		60.97	0.000013	0.27	415.77	74.37	0.02
GERBER	REACH1	2.808	Stand10yr	129.77	52.40	56.31		56.33	0.000325	0.91	143.09	48.10	0.09
GERBER	REACH1	2.808	SA with Spil	116.64	52.40	60.96		60.97	0.000012	0.27	430.45	75.53	0.02
GERBER	REACH1	2.808	SA NS 10YR	131.17	52.40	56.34		56.36	0.000323	0.91	144.45	48.27	0.09
GERBER	REACH1	2.808	SA-NOSpill	116.34	52.40	60.97		60.97	0.000012	0.27	430.55	75.53	0.02
GERBER	REACH1	2.771	Stand10yr	132.29	52.20	56.25		56.27	0.000295	0.88	150.38	49.20	0.09
GERBER	REACH1	2.771	SA with Spil	118.67	52.20	60.96		60.96	0.000012	0.26	448.16	77.30	0.02
GERBER	REACH1	2.771	SA NS 10YR	133.82	52.20	56.28		56.29	0.000294	0.88	151.79	49.37	0.09
GERBER	REACH1	2.771	SA-NOSpill	118.75	52.20	60.96		60.96	0.000012	0.26	448.27	77.31	0.02
GERBER	REACH1	2.733	Stand10yr	134.89	52.10	56.19		56.20	0.000322	0.94	143.97	45.41	0.09
GERBER	REACH1	2.733	SA with Spil	121.09	52.10	60.96		60.96	0.000013	0.29	417.24	69.20	0.02
GERBER	REACH1	2.733	SA NS 10YR	136.47	52.10	56.22		56.23	0.000321	0.94	145.28	45.55	0.09
GERBER	REACH1	2.733	SA-NOSpill	121.16	52.10	60.96		60.96	0.000013	0.29	417.34	69.21	0.02
GERBER	REACH1	2.695	Stand10yr	137.55	51.90	56.13		56.14	0.000269	0.86	160.17	50.69	0.09
GERBER	REACH1	2.695	SA with Spil	123.62	51.90	60.96		60.96	0.000011	0.26	475.30	79.97	0.02
GERBER	REACH1	2.695	SA NS 10YR	139.10	51.90	56.16		56.17	0.000268	0.86	161.65	50.87	0.09
GERBER	REACH1	2.695	SA-NOSpill	123.59	51.90	60.96		60.96	0.000011	0.26	475.41	79.98	0.02
GERBER	REACH1	2.657	Stand10yr	273.14	51.70	55.95		55.99	0.000969	1.61	169.35	54.74	0.16
GERBER	REACH1	2.657	SA with Spil	296.57	51.70	60.94		60.95	0.000050	0.56	529.96	89.69	0.04
GERBER	REACH1	2.657	SA NS 10YR	275.84	51.70	55.98		56.02	0.000962	1.61	170.99	54.94	0.16
GERBER	REACH1	2.657	SA-NOSpill	296.57	51.70	60.94		60.95	0.000050	0.56	530.09	89.70	0.04
GERBER	REACH1	2.619	Stand10yr	275.80	51.50	55.75		55.79	0.000983	1.62	169.73	54.84	0.16
GERBER	REACH1	2.619	SA with Spil	298.99	51.50	60.93		60.94	0.000046	0.55	548.07	91.21	0.04
GERBER	REACH1	2.619	SA NS 10YR	278.52	51.50	55.78		55.82	0.000974	1.62	171.45	55.06	0.16
GERBER	REACH1	2.619	SA-NOSpill	298.99	51.50	60.93		60.94	0.000046	0.55	548.20	91.22	0.04
GERBER	REACH1	2.581	Stand10yr	278.42	51.30	55.54	52.76	55.59	0.001058	1.70	164.03	52.32	0.17
GERBER	REACH1	2.581	SA with Spil	301.41	51.30	60.92	52.83	60.93	0.000047	0.56	538.71	86.97	0.04
GERBER	REACH1	2.581	SA NS 10YR	281.19	51.30	55.58	52.77	55.62	0.001047	1.70	165.77	52.54	0.17
GERBER	REACH1	2.581	SA-NOSpill	301.41	51.30	60.92	52.83	60.93	0.000047	0.56	538.84	86.98	0.04
GERBER	REACH1	2.535	Bridge										
GERBER	REACH1	2.518	Stand10yr	278.30	50.90	55.24		55.31	0.001840	2.22	125.28	39.76	0.22
GERBER	REACH1	2.518	SA with Spil	300.76	50.90	56.35		56.39	0.000885	1.74	172.60	45.36	0.16
GERBER	REACH1	2.518	SA NS 10YR	281.04	50.90	55.27		55.35	0.001818	2.22	126.72	39.94	0.22
GERBER	REACH1	2.518	SA-NOSpill	300.76	50.90	56.37		56.42	0.000869	1.73	173.78	45.49	0.16
GERBER	REACH1	2.483	Stand10yr	278.20	50.50	55.06		55.08	0.000565	1.16	240.50	86.18	0.12
GERBER	REACH1	2.483	SA with Spil	300.70	50.50	56.28		56.29	0.000216	0.86	351.23	96.10	0.08
GERBER	REACH1	2.483	SA NS 10YR	280.81	50.50	55.10		55.12	0.000552	1.15	243.88	86.49	0.12
GERBER	REACH1	2.483	SA-NOSpill	300.68	50.50	56.30		56.31	0.000212	0.85	353.69	96.33	0.08
GERBER	REACH1	2.465	Stand10yr	278.06	50.40	55.01		55.03	0.000523	1.11	250.98	90.67	0.12
GERBER	REACH1	2.465	SA with Spil	300.67	50.40	56.26		56.27	0.000194	0.81	370.80	101.61	0.07
GERBER	REACH1	2.465	SA NS 10YR	280.81	50.40	55.05		55.07	0.000511	1.10	254.64	91.03	0.12
GERBER	REACH1	2.465	SA-NOSpill	300.62	50.40	56.29		56.30	0.000190	0.80	373.65	101.85	0.07
GERBER	REACH1	2.436	Stand10yr	277.89	50.10	54.93		54.95	0.000542	1.14	243.27	86.03	0.12
GERBER	REACH1	2.436	SA with Spil	300.63	50.10	56.23		56.24	0.000198	0.83	362.31	97.21	0.08
GERBER	REACH1	2.436	SA NS 10YR	280.45	50.10	54.97		54.99	0.000529	1.14	246.92	86.39	0.12
GERBER	REACH1	2.436	SA-NOSpill	300.55	50.10	56.26		56.27	0.000194	0.82	365.10	97.46	0.07
GERBER	REACH1	2.415	Stand10yr	277.69	49.90	54.87		54.89	0.000518	1.10	251.47	90.20	0.12
GERBER	REACH1	2.415	SA with Spil	300.30	49.90	56.21		56.22	0.000181	0.79	380.04	102.24	0.07
GERBER	REACH1	2.415	SA NS 10YR	280.22	49.90	54.91		54.93	0.000503	1.10	255.43	90.60	0.12
GERBER	REACH1	2.415	SA-NOSpill	300.52	49.90	56.24		56.25	0.000177	0.78	383.03	102.50	0.07
GERBER	REACH1	2.396	Stand10yr	277.22	49.70	54.81		54.84	0.000539	1.25	222.20	68.41	0.12
GERBER	REACH1	2.396	SA with Spil	300.24	49.70	56.18		56.20	0.000226	0.92	325.08	81.79	0.08
GERBER	REACH1	2.396	SA NS 10YR	279.71	49.70	54.86		54.88	0.000528	1.24	225.29	68.85	0.12
GERBER	REACH1	2.396	SA-NOSpill	300.51	49.70	56.21		56.23	0.000222	0.92	327.50	82.08	0.08
GERBER	REACH1	2.360	Stand10yr	276.35	49.30	54.71		54.74	0.000505	1.27	217.93	62.06	0.12
GERBER	REACH1	2.360	SA with Spil	299.71	49.30	56.14		56.15	0.000219	0.95	314.75	73.55	0.08
GERBER	REACH1	2.360	SA NS 10YR	278.78	49.30	54.76		54.78	0.000496	1.26	220.85	62.43	0.12
GERBER	REACH1	2.360	SA-NOSpill	300.05	49.30	56.17		56.18	0.000216	0.95	317.00	73.80	0.08
GERBER	REACH1	2.332	Stand10yr	387.62	49.00	54.51		54.58	0.001265	2.05	188.88	51.37	0.19

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	2.332	SA with Spil	552.99	49.00	55.96		56.02	0.000975	2.05	269.71	60.27	0.17
GERBER	REACH1	2.332	SA NS 10YR	392.62	49.00	54.56		54.62	0.001254	2.05	191.35	51.66	0.19
GERBER	REACH1	2.332	SA-NOSpill	552.84	49.00	55.99		56.06	0.000954	2.03	271.75	60.48	0.17
GERBER	REACH1	2.305	Stand10yr	387.46	48.80	54.39		54.43	0.000837	1.68	231.08	63.02	0.15
GERBER	REACH1	2.305	SA with Spil	552.38	48.80	55.87		55.91	0.000630	1.66	333.10	74.52	0.14
GERBER	REACH1	2.305	SA NS 10YR	392.67	48.80	54.44		54.48	0.000828	1.68	234.19	63.40	0.15
GERBER	REACH1	2.305	SA-NOSpill	552.23	48.80	55.91		55.95	0.000616	1.64	335.78	74.80	0.14
GERBER	REACH1	2.268	Stand10yr	387.19	48.40	54.23		54.27	0.000746	1.62	238.45	62.44	0.15
GERBER	REACH1	2.268	SA with Spil	551.86	48.40	55.75		55.80	0.000569	1.61	341.98	73.69	0.13
GERBER	REACH1	2.268	SA NS 10YR	392.53	48.40	54.28		54.33	0.000739	1.62	241.63	62.82	0.15
GERBER	REACH1	2.268	SA-NOSpill	551.71	48.40	55.79		55.83	0.000556	1.60	344.82	73.98	0.13
GERBER	REACH1	2.220	Stand10yr	387.08	47.90	54.01		54.06	0.000943	1.88	206.40	50.98	0.16
GERBER	REACH1	2.220	SA with Spil	551.44	47.90	55.57		55.63	0.000736	1.88	293.25	59.73	0.15
GERBER	REACH1	2.220	SA NS 10YR	392.32	47.90	54.06		54.11	0.000935	1.88	209.08	51.27	0.16
GERBER	REACH1	2.220	SA-NOSpill	551.31	47.90	55.62		55.67	0.000719	1.86	295.50	59.97	0.15
GERBER	REACH1	2.194	Stand10yr	386.98	47.70	53.92		53.95	0.000587	1.45	266.49	69.16	0.13
GERBER	REACH1	2.194	SA with Spil	551.41	47.70	55.52		55.55	0.000435	1.42	387.60	82.66	0.12
GERBER	REACH1	2.194	SA NS 10YR	392.31	47.70	53.98		54.01	0.000581	1.45	270.21	69.61	0.13
GERBER	REACH1	2.194	SA-NOSpill	551.29	47.70	55.56		55.59	0.000424	1.41	391.26	83.04	0.11
GERBER	REACH1	2.177	Stand10yr	386.98	47.50	53.89		53.91	0.000348	1.30	298.28	60.61	0.10
GERBER	REACH1	2.177	SA with Spil	551.39	47.50	55.49		55.52	0.000308	1.38	400.74	67.54	0.10
GERBER	REACH1	2.177	SA NS 10YR	392.29	47.50	53.94		53.97	0.000347	1.30	301.54	60.84	0.10
GERBER	REACH1	2.177	SA-NOSpill	551.27	47.50	55.53		55.56	0.000301	1.37	403.77	67.73	0.10
GERBER	REACH1	2.172	Stand10yr	386.98	47.50	53.88		53.91	0.000276	1.19	325.74	63.05	0.09
GERBER	REACH1	2.172	SA with Spil	551.38	47.50	55.48		55.51	0.000250	1.28	431.39	69.01	0.09
GERBER	REACH1	2.172	SA NS 10YR	392.29	47.50	53.94		53.96	0.000275	1.19	329.13	63.25	0.09
GERBER	REACH1	2.172	SA-NOSpill	551.26	47.50	55.53		55.55	0.000245	1.27	434.49	69.18	0.09
GERBER	REACH1	2.150	Stand10yr	386.97	47.30	53.85		53.87	0.000347	1.02	377.88	108.69	0.10
GERBER	REACH1	2.150	SA with Spil	551.34	47.30	55.47		55.48	0.000210	0.98	559.80	116.76	0.08
GERBER	REACH1	2.150	SA NS 10YR	392.27	47.30	53.91		53.92	0.000339	1.02	383.80	108.96	0.10
GERBER	REACH1	2.150	SA-NOSpill	551.22	47.30	55.51		55.53	0.000204	0.98	565.11	116.99	0.08
GERBER	REACH1	2.13	Stand10yr	386.97	47.10	53.77		53.81	0.000726	1.71	228.23	52.84	0.15
GERBER	REACH1	2.13	SA with Spil	551.30	47.10	55.40		55.44	0.000579	1.72	319.73	62.07	0.13
GERBER	REACH1	2.13	SA NS 10YR	392.25	47.10	53.82		53.87	0.000721	1.71	229.14	53.15	0.15
GERBER	REACH1	2.13	SA-NOSpill	551.19	47.10	55.44		55.49	0.000565	1.71	322.66	62.34	0.13
GERBER	REACH1	2.116	Stand10yr	386.96	46.90	53.68		53.75	0.001031	2.10	184.04	39.27	0.17
GERBER	REACH1	2.116	SA with Spil	551.28	46.90	55.32		55.39	0.000880	2.18	252.99	45.12	0.16
GERBER	REACH1	2.116	SA NS 10YR	392.24	46.90	53.74		53.81	0.001026	2.11	186.22	39.47	0.17
GERBER	REACH1	2.116	SA-NOSpill	551.18	46.90	55.37		55.44	0.000859	2.16	255.20	45.29	0.16
GERBER	REACH1	2.103	Culvert										
GERBER	REACH1	2.092	Stand10yr	386.96	46.70	53.15		53.25	0.001943	2.53	153.22	41.10	0.23
GERBER	REACH1	2.092	SA with Spil	551.16	46.70	54.18		54.30	0.001965	2.78	198.56	46.56	0.24
GERBER	REACH1	2.092	SA NS 10YR	392.24	46.70	53.19		53.29	0.001942	2.53	154.82	41.30	0.23
GERBER	REACH1	2.092	SA-NOSpill	551.18	46.70	54.23		54.35	0.001906	2.74	200.86	46.82	0.23
GERBER	REACH1	2.052	Stand10yr	386.96	46.40	52.74		52.83	0.001992	2.51	154.25	42.86	0.23
GERBER	REACH1	2.052	SA with Spil	551.07	46.40	53.77		53.89	0.001963	2.73	201.82	48.81	0.24
GERBER	REACH1	2.052	SA NS 10YR	392.21	46.40	52.78		52.87	0.001986	2.51	155.95	43.08	0.23
GERBER	REACH1	2.052	SA-NOSpill	551.15	46.40	53.84		53.95	0.001884	2.69	204.97	49.18	0.23
GERBER	REACH1	2.027	Stand10yr	400.64	46.10	52.44		52.55	0.002185	2.64	151.88	41.87	0.24
GERBER	REACH1	2.027	SA with Spil	583.59	46.10	53.45		53.59	0.002300	2.96	197.21	47.50	0.26
GERBER	REACH1	2.027	SA NS 10YR	406.41	46.10	52.48		52.59	0.002183	2.65	153.55	42.09	0.24
GERBER	REACH1	2.027	SA-NOSpill	584.77	46.10	53.53		53.66	0.002196	2.91	200.94	47.94	0.25
GERBER	REACH1	1.968	Stand10yr	400.49	45.70	51.78		51.88	0.002159	2.51	159.72	47.78	0.24
GERBER	REACH1	1.968	SA with Spil	581.80	45.70	52.78		52.90	0.002156	2.75	211.22	54.82	0.25
GERBER	REACH1	1.968	SA NS 10YR	406.37	45.70	51.82		51.92	0.002150	2.51	161.71	48.07	0.24
GERBER	REACH1	1.968	SA-NOSpill	584.48	45.70	52.90		53.01	0.002002	2.68	217.88	55.66	0.24
GERBER	REACH1	1.914	Stand10yr	400.29	45.20	51.11		51.21	0.002427	2.56	156.47	49.76	0.25
GERBER	REACH1	1.914	SA with Spil	57.34	45.20	52.36		52.36	0.000020	0.25	225.25	62.29	0.02
GERBER	REACH1	1.914	SA NS 10YR	406.35	45.20	51.16		51.26	0.002405	2.56	158.79	50.13	0.25
GERBER	REACH1	1.914	SA-NOSpill	584.25	45.20	52.31		52.42	0.002123	2.63	222.09	61.38	0.24
GERBER	REACH1	1.883	Stand10yr	400.18	44.90	50.72		50.82	0.002452	2.56	156.26	50.14	0.26
GERBER	REACH1	1.883	SA with Spil	57.34	44.90	52.36		52.36	0.000014	0.23	249.30	63.27	0.02
GERBER	REACH1	1.883	SA NS 10YR	406.35	44.90	50.77		50.87	0.002420	2.56	158.84	50.54	0.25
GERBER	REACH1	1.883	SA-NOSpill	584.23	44.90	51.99		52.09	0.001944	2.58	226.33	60.30	0.23
GERBER	REACH1	1.843	Stand10yr	400.07	44.60	50.30	47.44	50.38	0.001725	2.25	177.99	53.45	0.22
GERBER	REACH1	1.843	SA with Spil	57.28	44.60	52.36	45.84	52.36	0.000008	0.19	302.99	68.27	0.02
GERBER	REACH1	1.843	SA NS 10YR	406.27	44.60	50.36	47.46	50.44	0.001697	2.24	181.07	53.86	0.22
GERBER	REACH1	1.843	SA-NOSpill	584.19	44.60	51.67	47.97	51.75	0.001347	2.27	257.49	63.28	0.20
GERBER	REACH1	1.832	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
GERBER	REACH1	1.831	Stand10yr	400.06	44.60	50.23		50.31	0.000815	2.30	174.08	52.92	0.22
GERBER	REACH1	1.831	SA with Spill	57.27	44.80	52.36		52.36	0.000004	0.19	302.96	68.27	0.02
GERBER	REACH1	1.831	SA NS 10YR	406.21	44.60	50.29		50.37	0.000802	2.29	177.09	53.32	0.22
GERBER	REACH1	1.831	SA-NOSpill	584.18	44.60	51.59		51.68	0.000628	2.31	252.94	62.76	0.20
GERBER	REACH1	1.823	Stand10yr	405.73	44.40	49.47		49.53	0.001606	2.00	203.20	70.04	0.21
GERBER	REACH1	1.823	SA with Spill	764.97	44.40	51.95		52.01	0.000833	1.87	408.63	94.54	0.16
GERBER	REACH1	1.823	SA NS 10YR	403.20	44.40	49.59		49.65	0.001421	1.91	211.46	71.25	0.20
GERBER	REACH1	1.823	SA-NOSpill	583.51	44.40	51.13		51.18	0.000853	1.75	333.59	87.22	0.16
GERBER	REACH1	1.800	Stand10yr	412.04	44.20	49.31		49.35	0.001181	1.81	227.73	71.94	0.18
GERBER	REACH1	1.800	SA with Spill	898.18	44.20	51.81		51.88	0.000917	2.07	433.06	92.05	0.17
GERBER	REACH1	1.800	SA NS 10YR	403.73	44.20	49.45		49.49	0.001000	1.70	237.97	73.07	0.17
GERBER	REACH1	1.800	SA-NOSpill	587.96	44.20	51.04		51.08	0.000634	1.61	364.81	85.88	0.14
GERBER	REACH1	1.756	Stand10yr	421.54	43.80	49.03		49.08	0.001230	1.86	226.76	70.90	0.18
GERBER	REACH1	1.756	SA with Spill	898.96	43.80	51.60		51.67	0.000893	2.06	437.32	92.37	0.17
GERBER	REACH1	1.756	SA NS 10YR	411.71	43.80	49.22		49.26	0.000995	1.71	240.36	72.48	0.17
GERBER	REACH1	1.756	SA-NOSpill	610.54	43.80	50.89		50.94	0.000636	1.63	373.75	86.45	0.14
GERBER	REACH1	1.719	Stand10yr	429.71	43.50	48.78		48.84	0.001205	1.92	223.37	65.15	0.18
GERBER	REACH1	1.719	SA with Spill	899.60	43.50	51.42		51.49	0.000895	2.15	417.56	81.83	0.17
GERBER	REACH1	1.719	SA NS 10YR	415.41	43.50	49.02		49.07	0.000923	1.74	239.41	66.68	0.16
GERBER	REACH1	1.719	SA-NOSpill	623.26	43.50	50.76		50.81	0.000627	1.71	365.05	77.67	0.14
GERBER	REACH1	1.687	Stand10yr	436.65	43.20	48.57		48.63	0.001236	1.92	227.85	68.28	0.18
GERBER	REACH1	1.687	SA with Spill	900.32	43.20	51.28		51.35	0.000829	2.04	440.58	88.62	0.16
GERBER	REACH1	1.687	SA NS 10YR	502.23	43.20	48.79		48.85	0.001366	2.07	242.81	69.91	0.20
GERBER	REACH1	1.687	SA-NOSpill	785.08	43.20	50.58		50.65	0.000947	2.06	390.45	83.38	0.17
GERBER	REACH1	1.643	Stand10yr	446.01	42.90	48.28		48.34	0.001221	1.95	228.18	65.53	0.18
GERBER	REACH1	1.643	SA with Spill	901.14	42.90	51.10		51.16	0.000789	2.06	437.17	83.14	0.16
GERBER	REACH1	1.643	SA NS 10YR	506.38	42.90	48.47		48.54	0.001352	2.10	240.59	66.71	0.20
GERBER	REACH1	1.643	SA-NOSpill	792.32	42.90	50.37		50.43	0.000916	2.09	378.21	78.57	0.17
GERBER	REACH1	1.610	Stand10yr	453.21	42.60	48.14		48.18	0.000860	1.49	304.25	83.33	0.14
GERBER	REACH1	1.610	SA with Spill	902.00	42.60	51.02		51.05	0.000426	1.58	572.60	103.41	0.12
GERBER	REACH1	1.610	SA NS 10YR	509.70	42.60	48.32		48.36	0.000727	1.60	318.97	84.55	0.14
GERBER	REACH1	1.610	SA-NOSpill	798.05	42.60	50.27		50.31	0.000497	1.60	497.35	98.19	0.13
GERBER	REACH1	1.570	Stand10yr	461.74	42.30	47.94		48.00	0.001029	1.84	250.85	69.44	0.17
GERBER	REACH1	1.570	SA with Spill	902.95	42.30	50.89		50.94	0.000616	1.86	485.00	89.46	0.14
GERBER	REACH1	1.570	SA NS 10YR	513.60	42.30	48.10		48.16	0.001127	1.96	261.81	70.51	0.18
GERBER	REACH1	1.570	SA-NOSpill	805.05	42.30	50.12		50.18	0.000740	1.93	418.11	84.23	0.15
GERBER	REACH1	1.485	Stand10yr	479.58	41.60	47.50		47.55	0.000955	1.77	271.69	76.09	0.16
GERBER	REACH1	1.485	SA with Spill	904.94	41.60	50.66		50.70	0.000474	1.63	555.17	103.42	0.12
GERBER	REACH1	1.485	SA NS 10YR	521.82	41.60	47.62		47.68	0.001029	1.86	281.07	77.15	0.17
GERBER	REACH1	1.485	SA-NOSpill	819.81	41.60	49.83		49.88	0.000606	1.74	472.27	96.24	0.14
GERBER	REACH1	1.434	Stand10yr	490.35	41.20	47.25		47.29	0.000912	1.76	275.32	73.31	0.16
GERBER	REACH1	1.434	SA with Spill	906.26	41.20	50.54		50.58	0.000399	1.64	553.20	98.23	0.12
GERBER	REACH1	1.434	SA NS 10YR	528.62	41.20	47.35		47.40	0.000981	1.87	282.99	74.10	0.17
GERBER	REACH1	1.434	SA-NOSpill	832.76	41.20	49.67		49.72	0.000560	1.75	475.01	91.75	0.13
GERBER	REACH1	1.417		Culvert									
GERBER	REACH1	1.402	Stand10yr	489.62	41.00	46.76		46.86	0.001298	2.55	191.51	60.84	0.20
GERBER	REACH1	1.402	SA with Spill	905.47	41.00	48.89		49.06	0.001333	3.30	274.76	70.24	0.22
GERBER	REACH1	1.402	SA NS 10YR	527.96	41.00	46.78		46.90	0.001486	2.74	192.41	60.94	0.22
GERBER	REACH1	1.402	SA-NOSpill	628.76	41.00	48.27		48.44	0.001515	3.31	250.75	67.53	0.23
GERBER	REACH1	1.343	Stand10yr	509.58	40.70	46.57		46.59	0.000285	1.01	506.77	134.14	0.09
GERBER	REACH1	1.343	SA with Spill	906.40	40.70	48.76		48.78	0.000211	1.11	814.84	147.53	0.08
GERBER	REACH1	1.343	SA NS 10YR	554.30	40.70	46.57		46.59	0.000339	1.10	506.03	134.11	0.10
GERBER	REACH1	1.343	SA-NOSpill	878.90	40.70	48.10		48.12	0.000291	1.22	718.48	143.48	0.10
GERBER	REACH1	1.294	Stand10yr	509.39	40.50	46.53		46.54	0.000131	0.68	750.60	201.22	0.06
GERBER	REACH1	1.294	SA with Spill	906.37	40.50	48.73		48.74	0.000093	0.75	1208.85	214.68	0.06
GERBER	REACH1	1.294	SA NS 10YR	553.76	40.50	46.52		46.52	0.000157	0.74	747.77	201.14	0.07
GERBER	REACH1	1.294	SA-NOSpill	878.22	40.50	48.06		48.07	0.000129	0.82	1065.37	210.56	0.06
GERBER	REACH1	1.252	Stand10yr	509.38	40.40	46.51		46.51	0.000104	0.60	843.42	226.35	0.06
GERBER	REACH1	1.252	SA with Spill	906.27	40.40	48.72		48.72	0.000073	0.67	1360.23	241.02	0.05
GERBER	REACH1	1.252	SA NS 10YR	553.73	40.40	46.49		46.49	0.000125	0.66	839.13	226.22	0.06
GERBER	REACH1	1.252	SA-NOSpill	878.19	40.40	48.04		48.04	0.000102	0.73	1197.50	236.50	0.06
GERBER	REACH1	1.219	Stand10yr	509.37	40.20	46.46	42.72	46.48	0.000260	0.97	523.84	136.54	0.09
GERBER	REACH1	1.219	SA with Spill	906.26	40.20	48.68	43.19	48.70	0.000202	1.06	854.07	161.22	0.08
GERBER	REACH1	1.219	SA NS 10YR	553.57	40.20	46.44	42.78	46.45	0.000314	1.06	520.12	136.24	0.10
GERBER	REACH1	1.219	SA-NOSpill	877.71	40.20	47.99	43.14	48.01	0.000280	1.18	744.93	153.50	0.09
GERBER	REACH1	1.200		Bridge									
GERBER	REACH1	1.182	Stand10yr	509.34	39.90	46.24		46.29	0.000832	1.79	284.25	69.57	0.16
GERBER	REACH1	1.182	SA with Spill	906.22	39.90	48.47		48.54	0.000700	1.99	455.40	83.31	0.15

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 # CH
GERBER	REACH1	1.182	SA NS 10YR	553.00	39.90	46.16		46.22	0.001032	1.98	279.26	69.13	0.17
GERBER	REACH1	1.182	SA-NOSpill	876.46	39.90	47.71		47.79	0.000982	2.23	393.81	78.64	0.18
GERBER	REACH1	1.133	Stand10yr	519.37	39.60	46.04		46.08	0.000729	1.64	315.76	80.02	0.15
GERBER	REACH1	1.133	SA with Spil	854.74	39.60	48.30		48.36	0.000625	1.84	518.17	98.59	0.14
GERBER	REACH1	1.133	SA NS 10YR	552.54	39.60	45.92		45.97	0.000895	1.80	306.59	79.08	0.16
GERBER	REACH1	1.133	SA-NOSpill	875.08	39.60	47.50		47.56	0.000816	1.98	441.05	91.95	0.16
GERBER	REACH1	1.09	Stand10yr	567.33	39.40	45.84		45.89	0.000870	1.82	312.30	77.87	0.16
GERBER	REACH1	1.09	SA with Spil	998.91	39.40	48.15		48.21	0.000679	1.95	512.08	94.95	0.15
GERBER	REACH1	1.09	SA NS 10YR	552.09	39.40	45.72		45.77	0.000897	1.82	302.99	76.95	0.16
GERBER	REACH1	1.09	SA-NOSpill	873.73	39.40	47.31		47.37	0.000820	2.01	434.89	89.09	0.16
GERBER	REACH1	1.068	Stand10yr	571.64	39.20	45.74		45.79	0.000899	1.73	329.80	90.76	0.16
GERBER	REACH1	1.068	SA with Spil	1021.21	39.20	48.08		48.13	0.000610	1.82	558.67	106.10	0.14
GERBER	REACH1	1.068	SA NS 10YR	551.95	39.20	45.62		45.67	0.000928	1.73	318.74	89.95	0.16
GERBER	REACH1	1.068	SA-NOSpill	873.70	39.20	47.23		47.28	0.000731	1.85	472.06	100.53	0.15
GERBER	REACH1	1.032	Stand10yr	580.39	39.00	45.55		45.60	0.001005	1.80	323.04	91.50	0.17
GERBER	REACH1	1.032	SA with Spil	1057.05	39.00	47.95		48.00	0.000661	1.88	562.03	108.14	0.15
GERBER	REACH1	1.032	SA NS 10YR	553.59	39.00	45.43		45.48	0.001017	1.78	311.75	90.63	0.17
GERBER	REACH1	1.032	SA-NOSpill	876.15	39.00	47.08		47.14	0.000755	1.86	471.33	102.14	0.15
GERBER	REACH1	1.013	Stand10yr	584.77	38.80	45.44		45.51	0.000832	2.12	276.10	74.16	0.16
GERBER	REACH1	1.013	SA with Spil	1074.97	38.80	47.82		47.93	0.000803	2.67	402.00	90.06	0.17
GERBER	REACH1	1.013	SA NS 10YR	554.48	38.80	45.32		45.39	0.000808	2.06	269.75	73.36	0.16
GERBER	REACH1	1.013	SA-NOSpill	877.56	38.80	46.97		47.06	0.000795	2.46	356.98	84.37	0.17
GERBER	REACH1	1.004		Culvert									
GERBER	REACH1	0.997	Stand10yr	583.78	38.70	45.01		45.16	0.001682	3.09	188.69	68.77	0.23
GERBER	REACH1	0.997	SA with Spil	1074.96	38.70	47.07		47.33	0.001941	4.12	260.72	81.12	0.27
GERBER	REACH1	0.997	SA NS 10YR	553.39	38.70	44.93		45.07	0.001593	2.98	185.74	68.27	0.23
GERBER	REACH1	0.997	SA-NOSpill	872.31	38.70	46.40		46.61	0.001748	3.68	237.35	77.12	0.25
GERBER	REACH1	0.994	Stand10yr	584.10	38.70	45.07		45.14	0.000996	1.98	295.42	71.39	0.17
GERBER	REACH1	0.994	SA with Spil	1074.97	38.70	47.21		47.30	0.000956	2.33	462.24	84.63	0.18
GERBER	REACH1	0.994	SA NS 10YR	553.72	38.70	44.98		45.04	0.000952	1.92	289.02	70.83	0.17
GERBER	REACH1	0.994	SA-NOSpill	873.79	38.70	46.51		46.58	0.000919	2.16	404.23	80.28	0.17
GERBER	REACH1	0.936	Stand10yr	586.08	38.50	44.83		44.88	0.000691	1.64	356.58	87.12	0.14
GERBER	REACH1	0.936	SA with Spil	1075.14	38.50	46.99		47.05	0.000641	1.91	562.41	103.40	0.14
GERBER	REACH1	0.936	SA NS 10YR	556.17	38.50	44.75		44.79	0.000658	1.59	349.68	86.52	0.14
GERBER	REACH1	0.936	SA-NOSpill	877.84	38.50	46.30		46.34	0.000623	1.78	491.92	98.13	0.14
GERBER	REACH1	0.895	Stand10yr	587.50	38.40	44.75		44.77	0.000298	1.11	530.32	125.48	0.09
GERBER	REACH1	0.895	SA with Spil	1075.26	38.40	46.92		46.95	0.000277	1.31	822.98	143.57	0.10
GERBER	REACH1	0.895	SA NS 10YR	558.01	38.40	44.67		44.69	0.000283	1.07	520.84	124.85	0.09
GERBER	REACH1	0.895	SA-NOSpill	881.29	38.40	46.22		46.25	0.000269	1.22	724.46	137.75	0.09
GERBER	REACH1	0.872	Stand10yr	586.49	38.40	44.71		44.73	0.000380	1.09	540.34	156.45	0.10
GERBER	REACH1	0.872	SA with Spil	1075.32	38.40	46.90		46.92	0.000286	1.19	802.14	174.34	0.09
GERBER	REACH1	0.872	SA NS 10YR	559.23	38.40	44.63		44.65	0.000387	1.06	528.73	155.84	0.10
GERBER	REACH1	0.872	SA-NOSpill	883.02	38.40	46.19		46.21	0.000276	1.13	781.80	168.60	0.09
GERBER	REACH1	0.844	Stand10yr	589.53	38.30	44.62		44.65	0.000636	1.57	375.43	92.47	0.14
GERBER	REACH1	0.844	SA with Spil	1075.40	38.30	46.81		46.86	0.000569	1.80	597.76	110.31	0.14
GERBER	REACH1	0.844	SA NS 10YR	560.39	38.30	44.55		44.58	0.000603	1.52	369.00	91.90	0.13
GERBER	REACH1	0.844	SA-NOSpill	885.24	38.30	46.11		46.15	0.000562	1.69	522.66	104.62	0.13
GERBER	REACH1	0.769	Stand10yr	592.34	38.10	44.34		44.38	0.000735	1.66	357.03	90.29	0.15
GERBER	REACH1	0.769	SA with Spil	1075.58	38.10	46.57		46.62	0.000622	1.86	579.21	108.97	0.14
GERBER	REACH1	0.769	SA NS 10YR	563.71	38.10	44.28		44.32	0.000692	1.60	352.12	89.84	0.14
GERBER	REACH1	0.769	SA-NOSpill	891.14	38.10	45.87		45.92	0.000626	1.76	505.06	103.12	0.14
GERBER	REACH1	0.702	Stand10yr	594.79	37.90	44.07		44.11	0.000792	1.73	344.32	86.53	0.15
GERBER	REACH1	0.702	SA with Spil	1075.58	37.90	46.34		46.40	0.000648	1.92	560.82	103.25	0.15
GERBER	REACH1	0.702	SA NS 10YR	566.51	37.90	44.03		44.07	0.000738	1.66	341.12	86.25	0.15
GERBER	REACH1	0.702	SA-NOSpill	896.20	37.90	45.64		45.69	0.000661	1.83	489.78	98.47	0.14
GERBER	REACH1	0.693	Stand10yr	594.96	37.90	43.87		44.05	0.002227	3.39	175.51	62.51	0.27
GERBER	REACH1	0.693	SA with Spil	1075.24	37.90	46.08		46.36	0.002157	4.25	252.77	75.44	0.28
GERBER	REACH1	0.693	SA NS 10YR	566.34	37.90	43.85		44.01	0.002046	3.24	174.79	62.38	0.26
GERBER	REACH1	0.693	SA-NOSpill	895.77	37.90	45.41		45.64	0.002071	3.91	229.30	72.14	0.27
GERBER	REACH1	0.679		Culvert									
GERBER	REACH1	0.666	Stand10yr	594.24	37.70	43.51		43.79	0.003612	4.28	138.88	57.94	0.34
GERBER	REACH1	0.666	SA with Spil	1072.62	37.70	45.51		45.98	0.003808	5.51	194.83	69.93	0.37
GERBER	REACH1	0.666	SA NS 10YR	564.55	37.70	43.53		43.78	0.003220	4.05	139.39	58.05	0.32
GERBER	REACH1	0.666	SA-NOSpill	887.68	37.70	44.88		45.27	0.003572	5.01	177.29	66.17	0.35
GERBER	REACH1	0.655	Stand10yr	594.72	37.60	43.56		43.62	0.000988	1.91	311.45	79.25	0.17
GERBER	REACH1	0.655	SA with Spil	1073.71	37.60	45.68		45.76	0.000859	2.17	494.64	93.19	0.17
GERBER	REACH1	0.655	SA NS 10YR	565.34	37.60	43.57		43.62	0.000884	1.81	312.53	79.34	0.16
GERBER	REACH1	0.655	SA-NOSpill	890.89	37.60	45.01		45.07	0.000660	2.06	433.26	88.76	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	0.627	Stand10yr	595.52	37.50	43.43		43.48	0.000901	1.74	342.06	94.02	0.16
GERBER	REACH1	0.627	SA with Spil	1073.36	37.50	45.59		45.64	0.000681	1.90	564.53	109.02	0.15
GERBER	REACH1	0.627	SA NS 10YR	566.00	37.50	43.46		43.50	0.000796	1.64	344.71	94.30	0.15
GERBER	REACH1	0.627	SA-NOSpill	891.25	37.50	44.91		44.96	0.000715	1.81	491.33	106.28	0.15
GERBER	REACH1	0.61	Stand10yr	595.24	37.40	43.41		43.42	0.000227	0.97	614.14	144.50	0.08
GERBER	REACH1	0.61	SA with Spil	1073.26	37.40	45.58		45.60	0.000199	1.14	944.94	158.61	0.08
GERBER	REACH1	0.61	SA NS 10YR	566.62	37.40	43.44		43.45	0.000200	0.92	618.62	144.72	0.08
GERBER	REACH1	0.61	SA-NOSpill	892.83	37.40	44.90		44.91	0.000200	1.07	837.41	155.43	0.08
GERBER	REACH1	0.598	Stand10yr	596.57	37.40	43.34		43.39	0.000874	1.80	331.64	162.28	0.16
GERBER	REACH1	0.598	SA with Spil	1073.30	37.40	45.57		45.59	0.000206	1.10	1040.35	207.66	0.08
GERBER	REACH1	0.598	SA NS 10YR	566.97	37.40	43.38		43.42	0.000767	1.69	334.93	162.94	0.15
GERBER	REACH1	0.598	SA-NOSpill	893.89	37.40	44.89		44.90	0.000226	1.08	898.87	204.77	0.08
GERBER	REACH1	0.586	Stand10yr	597.05	37.30	43.28		43.33	0.000907	1.83	326.73	102.96	0.16
GERBER	REACH1	0.586	SA with Spil	1072.84	37.30	45.52		45.57	0.000583	1.84	632.96	144.44	0.14
GERBER	REACH1	0.586	SA NS 10YR	567.10	37.30	43.33		43.37	0.000791	1.72	330.61	104.01	0.15
GERBER	REACH1	0.586	SA-NOSpill	894.36	37.30	44.83		44.88	0.000641	1.81	534.56	141.35	0.14
GERBER	REACH1	0.567	Stand10yr	597.52	37.20	43.20		43.25	0.000869	1.79	333.23	109.45	0.16
GERBER	REACH1	0.567	SA with Spil	1072.95	37.20	45.46		45.51	0.000539	1.78	653.46	145.51	0.13
GERBER	REACH1	0.567	SA NS 10YR	567.52	37.20	43.25		43.30	0.000751	1.68	338.17	111.06	0.15
GERBER	REACH1	0.567	SA-NOSpill	895.45	37.20	44.77		44.82	0.000595	1.75	553.49	142.47	0.14
GERBER	REACH1	0.555	Stand10yr	598.00	37.10	43.16		43.20	0.000674	1.60	373.91	92.84	0.14
GERBER	REACH1	0.555	SA with Spil	1072.22	37.10	45.42		45.47	0.000542	1.80	596.49	103.39	0.13
GERBER	REACH1	0.555	SA NS 10YR	567.85	37.10	43.22		43.25	0.000580	1.50	379.83	93.13	0.13
GERBER	REACH1	0.555	SA-NOSpill	895.94	37.10	44.73		44.78	0.000547	1.70	526.06	100.17	0.13
GERBER	REACH1	0.539	Stand10yr	598.49	37.10	43.09		43.14	0.000744	1.66	360.80	90.40	0.15
GERBER	REACH1	0.539	SA with Spil	1071.50	37.10	45.37		45.43	0.000563	1.89	566.86	90.40	0.13
GERBER	REACH1	0.539	SA NS 10YR	568.34	37.10	43.17		43.20	0.000633	1.55	367.39	90.40	0.14
GERBER	REACH1	0.539	SA-NOSpill	896.74	37.10	44.68		44.73	0.000572	1.78	504.37	90.40	0.13
GERBER	REACH1	0.527	Stand10yr	598.80	37.00	43.04		43.09	0.000894	1.79	334.20	87.11	0.16
GERBER	REACH1	0.527	SA with Spil	1071.14	37.00	45.33		45.39	0.000682	1.93	555.74	105.85	0.15
GERBER	REACH1	0.527	SA NS 10YR	568.39	37.00	43.12		43.16	0.000758	1.67	341.33	87.78	0.15
GERBER	REACH1	0.527	SA-NOSpill	897.14	37.00	44.64		44.69	0.000704	1.85	484.23	100.18	0.15
GERBER	REACH1	0.486	Stand10yr	600.14	36.80	42.85		42.90	0.000817	1.73	347.01	89.11	0.15
GERBER	REACH1	0.486	SA with Spil	1068.76	36.80	45.20		45.25	0.000612	1.85	577.53	107.72	0.14
GERBER	REACH1	0.486	SA NS 10YR	568.99	36.80	42.97		43.00	0.000677	1.59	357.00	90.00	0.14
GERBER	REACH1	0.486	SA-NOSpill	898.94	36.80	44.50		44.55	0.000635	1.78	504.12	102.17	0.14
GERBER	REACH1	0.459	Stand10yr	601.05	36.70	42.77		42.81	0.000524	1.41	426.35	107.22	0.12
GERBER	REACH1	0.459	SA with Spil	1067.04	36.70	45.14		45.18	0.000392	1.51	704.54	127.74	0.11
GERBER	REACH1	0.459	SA NS 10YR	569.69	36.70	42.90		42.93	0.000430	1.29	439.92	108.31	0.11
GERBER	REACH1	0.459	SA-NOSpill	900.69	36.70	44.44		44.47	0.000408	1.46	616.83	121.65	0.11
GERBER	REACH1	0.434	Stand10yr	601.92	36.50	42.68		42.72	0.000714	1.60	376.51	98.88	0.14
GERBER	REACH1	0.434	SA with Spil	1065.21	36.50	45.07		45.12	0.000504	1.66	641.66	122.37	0.13
GERBER	REACH1	0.434	SA NS 10YR	570.31	36.50	42.82		42.86	0.000578	1.46	390.78	100.31	0.13
GERBER	REACH1	0.434	SA-NOSpill	902.33	36.50	44.37		44.41	0.000536	1.62	557.39	115.72	0.13
GERBER	REACH1	0.367	Stand10yr	604.14	36.20	42.41		42.46	0.000777	1.70	356.01	90.87	0.15
GERBER	REACH1	0.367	SA with Spil	1057.99	36.20	44.89		44.93	0.000535	1.74	607.19	112.31	0.13
GERBER	REACH1	0.367	SA NS 10YR	571.40	36.20	42.61		42.65	0.000603	1.53	374.36	92.60	0.13
GERBER	REACH1	0.367	SA-NOSpill	905.82	36.20	44.17		44.21	0.000576	1.71	528.60	106.07	0.14
GERBER	REACH1	0.346	Stand10yr	604.68	36.10	42.23		42.34	0.001409	2.74	220.44	71.27	0.21
GERBER	REACH1	0.346	SA with Spil	1023.53	36.10	44.70		44.85	0.001087	3.13	326.73	84.00	0.20
GERBER	REACH1	0.346	SA NS 10YR	570.90	36.10	42.47		42.56	0.001079	2.47	230.73	72.70	0.19
GERBER	REACH1	0.346	SA-NOSpill	905.25	36.10	43.98		44.12	0.001186	3.06	295.74	81.77	0.21
GERBER	REACH1	0.338	Culvert										
GERBER	REACH1	0.329	Stand10yr	604.26	35.90	42.06		42.18	0.001587	2.86	211.40	63.55	0.22
GERBER	REACH1	0.329	SA with Spil	1022.72	35.90	44.20		44.38	0.001394	3.39	301.37	76.40	0.22
GERBER	REACH1	0.329	SA NS 10YR	569.12	35.90	42.33		42.43	0.001182	2.55	222.80	65.17	0.20
GERBER	REACH1	0.329	SA-NOSpill	897.23	35.90	43.62		43.78	0.001423	3.24	276.90	72.90	0.22
GERBER	REACH1	0.293	Stand10yr	605.30	35.70	41.94		41.97	0.000579	1.47	410.52	103.47	0.13
GERBER	REACH1	0.293	SA with Spil	1022.79	35.70	44.15		44.19	0.000407	1.58	647.94	110.94	0.12
GERBER	REACH1	0.293	SA NS 10YR	569.67	35.70	42.25		42.27	0.000406	1.29	442.74	104.52	0.11
GERBER	REACH1	0.293	SA-NOSpill	898.60	35.70	43.55		43.59	0.000436	1.54	582.05	108.92	0.12
GERBER	REACH1	0.271	Stand10yr	605.89	35.60	41.85		41.89	0.000723	1.67	363.01	89.71	0.15
GERBER	REACH1	0.271	SA with Spil	1022.76	35.60	44.09		44.13	0.000538	1.75	582.85	106.94	0.13
GERBER	REACH1	0.271	SA NS 10YR	569.95	35.60	42.19		42.22	0.000508	1.45	393.51	92.30	0.12
GERBER	REACH1	0.271	SA-NOSpill	898.07	35.60	43.48		43.53	0.000573	1.73	519.71	102.29	0.14
GERBER	REACH1	0.216	Stand10yr	607.44	35.30	41.65		41.69	0.000676	1.64	371.48	90.13	0.14
GERBER	REACH1	0.216	SA with Spil	1022.73	35.30	43.94		43.98	0.000499	1.71	597.87	107.67	0.13
GERBER	REACH1	0.216	SA NS 10YR	570.60	35.30	42.05		42.08	0.000457	1.40	408.06	93.19	0.12
GERBER	REACH1	0.216	SA-NOSpill	896.69	35.30	43.32		43.37	0.000529	1.68	533.31	102.97	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	0.155	Stand10yr	609.22	35.00	41.42		41.47	0.000720	1.69	360.44	87.07	0.15
GERBER	REACH1	0.155	SA with Spill	1022.46	35.00	43.77		43.82	0.000515	1.74	585.94	104.77	0.13
GERBER	REACH1	0.155	SA NS 10YR	571.06	35.00	41.90		41.93	0.000461	1.42	402.85	90.67	0.12
GERBER	REACH1	0.155	SA-NOSpill	891.65	35.00	43.15		43.20	0.000541	1.71	522.22	100.09	0.13
GERBER	REACH1	0.093	Stand10yr	611.05	34.60	41.21		41.25	0.000583	1.58	387.51	88.53	0.13
GERBER	REACH1	0.093	SA with Spill	1022.05	34.60	43.62		43.67	0.000427	1.65	620.52	104.87	0.12
GERBER	REACH1	0.093	SA NS 10YR	571.92	34.60	41.77		41.80	0.000360	1.31	437.76	92.30	0.11
GERBER	REACH1	0.093	SA-NOSpill	884.07	34.60	43.00		43.04	0.000436	1.59	556.04	100.61	0.12
GERBER	REACH1	0.051	Stand10yr	612.25	34.40	41.09		41.13	0.000571	1.57	389.70	88.09	0.13
GERBER	REACH1	0.051	SA with Spill	1021.71	34.40	43.53		43.57	0.000415	1.64	624.82	104.34	0.12
GERBER	REACH1	0.051	SA NS 10YR	572.55	34.40	41.69		41.72	0.000343	1.29	444.23	92.11	0.10
GERBER	REACH1	0.051	SA-NOSpill	877.20	34.40	42.90		42.94	0.000415	1.56	560.55	100.16	0.12
GERBER	REACH1	0.000	Stand10yr	611.94	34.00	40.97		41.00	0.000401	1.31	468.31	107.24	0.11
GERBER	REACH1	0.000	SA with Spill	1020.67	34.00	43.45		43.48	0.000265	1.37	745.60	113.10	0.09
GERBER	REACH1	0.000	SA NS 10YR	571.91	34.00	41.63		41.64	0.000229	1.06	539.72	110.36	0.08
GERBER	REACH1	0.000	SA-NOSpill	869.01	34.00	42.82		42.85	0.000265	1.29	674.54	113.10	0.09
ELDER	REACH1	12.205	Stand10yr	260.08	89.50	91.68		91.74	0.002595	2.00	129.80	119.06	0.34
ELDER	REACH1	12.205	SA with Spill	453.86	89.50	92.22		92.30	0.002422	2.24	202.24	148.61	0.34
ELDER	REACH1	12.205	SA NS 10YR	260.08	89.50	91.68		91.74	0.002595	2.00	129.80	119.06	0.34
ELDER	REACH1	12.205	SA-NOSpill	453.86	89.50	92.22		92.30	0.002426	2.25	202.12	148.57	0.34
ELDER	REACH1	12.144	Stand10yr	258.40	88.36	90.91		90.98	0.002107	2.17	123.26	110.09	0.32
ELDER	REACH1	12.144	SA with Spill	452.30	88.36	91.52		91.62	0.001819	2.55	197.56	131.28	0.31
ELDER	REACH1	12.144	SA NS 10YR	258.41	88.36	90.91		90.98	0.002108	2.17	123.24	110.09	0.32
ELDER	REACH1	12.144	SA-NOSpill	452.68	88.36	91.52		91.62	0.001833	2.56	197.13	131.20	0.32
ELDER	REACH1	12.072	Stand10yr	240.14	87.50	90.32		90.38	0.001108	1.59	151.86	112.76	0.23
ELDER	REACH1	12.072	SA with Spill	446.70	87.50	91.03		91.08	0.001033	1.92	249.78	177.63	0.24
ELDER	REACH1	12.072	SA NS 10YR	240.14	87.50	90.32		90.36	0.001112	1.59	151.70	112.67	0.23
ELDER	REACH1	12.072	SA-NOSpill	442.85	87.50	91.02		91.08	0.001025	1.91	248.78	176.84	0.24
ELDER	REACH1	12.02	Stand10yr	230.81	86.52	90.09		90.13	0.000585	1.80	239.29	281.55	0.19
ELDER	REACH1	12.02	SA with Spill	434.88	86.52	90.83		90.86	0.000483	1.80	466.80	335.66	0.18
ELDER	REACH1	12.02	SA NS 10YR	230.81	86.52	90.09		90.13	0.000588	1.80	238.64	281.38	0.19
ELDER	REACH1	12.02	SA-NOSpill	431.33	86.52	90.83		90.86	0.000481	1.89	464.53	335.17	0.18
ELDER	REACH1	11.944	Stand10yr	441.74	85.50	89.99		90.00	0.000183	1.14	743.33	424.11	0.11
ELDER	REACH1	11.944	SA with Spill	895.86	85.50	90.71		90.73	0.000275	1.59	1062.10	452.95	0.14
ELDER	REACH1	11.944	SA NS 10YR	440.78	85.50	89.99		90.00	0.000183	1.14	742.18	423.89	0.11
ELDER	REACH1	11.944	SA-NOSpill	887.07	85.50	90.71		90.72	0.000272	1.58	1059.25	452.74	0.14
ELDER	REACH1	11.883	Stand10yr	440.61	85.50	89.96		89.96	0.000064	0.67	1189.10	578.58	0.06
ELDER	REACH1	11.883	SA with Spill	874.40	85.50	90.66		90.67	0.000109	0.99	1664.37	696.17	0.09
ELDER	REACH1	11.883	SA NS 10YR	440.46	85.50	89.95		89.96	0.000065	0.67	1187.47	578.36	0.06
ELDER	REACH1	11.883	SA-NOSpill	847.01	85.50	90.65		90.66	0.000102	0.96	1661.03	696.05	0.08
ELDER	REACH1	11.848	Stand10yr	440.43	82.50	89.91		89.94	0.000229	1.33	332.23	552.98	0.12
ELDER	REACH1	11.848	SA with Spill	867.18	82.50	90.64		90.65	0.000053	0.72	2440.81	1198.50	0.06
ELDER	REACH1	11.848	SA NS 10YR	440.24	82.50	89.91		89.94	0.000230	1.33	331.98	552.89	0.12
ELDER	REACH1	11.848	SA-NOSpill	785.55	82.50	90.65		90.65	0.000044	0.65	2442.31	1198.55	0.05
ELDER	REACH1	11.835	Culvert										
ELDER	REACH1	11.822	Stand10yr	440.41	82.50	87.18		87.62	0.003369	5.36	82.13	78.17	0.44
ELDER	REACH1	11.822	SA with Spill	993.54	82.50	88.27		88.55	0.003403	4.80	362.30	375.48	0.45
ELDER	REACH1	11.822	SA NS 10YR	440.20	82.50	87.18		87.62	0.003368	5.36	82.12	78.14	0.44
ELDER	REACH1	11.822	SA-NOSpill	982.79	82.50	88.25		88.54	0.003400	4.79	357.87	372.34	0.45
ELDER	REACH1	11.724	Stand10yr	440.15	83.19	86.16		86.24	0.001598	2.65	252.46	201.80	0.30
ELDER	REACH1	11.724	SA with Spill	959.04	83.19	87.10		87.21	0.001732	3.44	471.83	253.54	0.33
ELDER	REACH1	11.724	SA NS 10YR	439.96	83.19	86.16		86.24	0.001598	2.65	252.37	201.76	0.30
ELDER	REACH1	11.724	SA-NOSpill	957.42	83.19	87.10		87.21	0.001739	3.44	470.59	253.39	0.33
ELDER	REACH1	11.659	Stand10yr	440.07	82.38	85.66		85.72	0.001390	2.53	271.80	181.86	0.28
ELDER	REACH1	11.659	SA with Spill	946.02	82.38	86.47		86.59	0.001918	3.59	441.31	234.55	0.35
ELDER	REACH1	11.659	SA NS 10YR	439.88	82.38	85.66		85.72	0.001390	2.53	271.74	181.84	0.28
ELDER	REACH1	11.659	SA-NOSpill	943.27	82.38	86.46		86.58	0.001924	3.59	439.85	234.33	0.35
ELDER	REACH1	11.588	Stand10yr	439.81	81.30	84.85		85.01	0.003075	3.88	218.22	233.44	0.42
ELDER	REACH1	11.588	SA with Spill	935.61	81.30	85.71		85.85	0.002583	4.28	448.98	304.05	0.40
ELDER	REACH1	11.588	SA NS 10YR	439.63	81.30	84.85		85.01	0.003075	3.88	218.12	233.41	0.42
ELDER	REACH1	11.588	SA-NOSpill	926.43	81.30	85.70		85.84	0.002577	4.27	445.79	303.22	0.40
ELDER	REACH1	11.538	Stand10yr	439.58	80.77	84.32		84.37	0.001440	2.81	317.89	256.32	0.29
ELDER	REACH1	11.538	SA with Spill	922.88	80.77	85.24		85.30	0.001386	3.31	581.58	315.53	0.30
ELDER	REACH1	11.538	SA NS 10YR	439.40	80.77	84.31		84.37	0.001440	2.81	317.77	256.29	0.29
ELDER	REACH1	11.538	SA-NOSpill	912.83	80.77	85.23		85.29	0.001379	3.30	577.85	314.77	0.30
ELDER	REACH1	11.482	Stand10yr	439.46	80.23	83.82		83.90	0.001810	3.19	269.53	183.96	0.33
ELDER	REACH1	11.482	SA with Spill	912.93	80.23	84.65		84.77	0.002382	4.31	454.12	258.76	0.39
ELDER	REACH1	11.482	SA NS 10YR	439.29	80.23	83.82		83.89	0.001810	3.19	269.46	183.94	0.33
ELDER	REACH1	11.482	SA-NOSpill	903.97	80.23	84.64		84.75	0.002374	4.30	451.14	257.81	0.39

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	11.433	Stand10yr	439.10	79.88	83.23		83.31	0.002738	3.70	248.94	194.08	0.39
ELDER	REACH1	11.433	SA with Spill	859.07	79.88	83.90		84.01	0.003019	4.50	387.17	217.46	0.43
ELDER	REACH1	11.433	SA NS 10YR	438.91	79.88	83.23		83.31	0.002738	3.70	248.87	194.07	0.39
ELDER	REACH1	11.433	SA-NOSpill	859.10	79.88	83.90		84.01	0.003024	4.50	386.97	217.42	0.43
ELDER	REACH1	11.376	Stand10yr	437.66	79.20	82.67		82.71	0.001154	2.42	466.38	532.74	0.26
ELDER	REACH1	11.376	SA with Spill	851.17	79.20	83.39		83.41	0.000781	2.33	880.18	628.22	0.22
ELDER	REACH1	11.376	SA NS 10YR	437.49	79.20	82.67		82.71	0.001154	2.42	466.15	532.69	0.26
ELDER	REACH1	11.376	SA-NOSpill	850.17	79.20	83.39		83.41	0.000781	2.33	879.16	628.01	0.22
ELDER	REACH1	11.313	Stand10yr	437.11	78.70	82.38		82.41	0.000724	1.97	446.83	342.63	0.21
ELDER	REACH1	11.313	SA with Spill	847.86	78.70	83.15		83.18	0.000699	2.27	718.53	365.23	0.21
ELDER	REACH1	11.313	SA NS 10YR	436.93	78.70	82.38		82.41	0.000724	1.97	446.66	342.61	0.21
ELDER	REACH1	11.313	SA-NOSpill	847.32	78.70	83.15		83.18	0.000700	2.27	717.88	365.17	0.21
ELDER	REACH1	11.252	Stand10yr	436.92	78.41	82.10		82.15	0.001045	2.37	345.62	257.17	0.25
ELDER	REACH1	11.252	SA with Spill	846.71	78.41	82.85		82.91	0.001127	2.88	556.75	297.19	0.27
ELDER	REACH1	11.252	SA NS 10YR	436.73	78.41	82.10		82.15	0.001045	2.37	345.50	257.14	0.25
ELDER	REACH1	11.252	SA-NOSpill	845.40	78.41	82.85		82.91	0.001126	2.88	556.22	297.12	0.27
ELDER	REACH1	11.175	Stand10yr	436.51	77.70	81.40		81.55	0.002566	3.63	209.76	197.81	0.39
ELDER	REACH1	11.175	SA with Spill	841.30	77.70	82.09		82.27	0.002830	4.44	376.27	291.45	0.42
ELDER	REACH1	11.175	SA NS 10YR	436.32	77.70	81.40		81.54	0.002565	3.63	209.71	197.79	0.39
ELDER	REACH1	11.175	SA-NOSpill	840.03	77.70	82.09		82.27	0.002831	4.44	375.71	291.34	0.42
ELDER	REACH1	11.125	Stand10yr	435.77	77.27	80.94		81.01	0.001300	2.65	305.68	300.24	0.28
ELDER	REACH1	11.125	SA with Spill	834.19	77.27	81.56		81.67	0.001482	3.23	474.24	383.12	0.31
ELDER	REACH1	11.125	SA NS 10YR	435.48	77.27	80.94		81.01	0.001298	2.65	305.69	300.24	0.28
ELDER	REACH1	11.125	SA-NOSpill	832.37	77.27	81.56		81.67	0.001461	3.23	473.64	382.83	0.31
ELDER	REACH1	11.063	Stand10yr	433.98	76.84	80.47		80.58	0.001654	3.04	263.50	548.13	0.32
ELDER	REACH1	11.063	SA with Spill	823.02	76.84	81.12		81.22	0.001591	3.42	463.47	656.37	0.32
ELDER	REACH1	11.063	SA NS 10YR	434.03	76.84	80.47		80.58	0.001653	3.04	263.61	548.16	0.32
ELDER	REACH1	11.063	SA-NOSpill	821.76	76.84	81.11		81.22	0.001593	3.42	462.68	655.87	0.32
ELDER	REACH1	10.995	Stand10yr	513.70	76.40	80.00		80.05	0.001095	2.49	355.98	221.97	0.26
ELDER	REACH1	10.995	SA with Spill	894.83	76.40	80.61		80.69	0.001290	3.07	537.71	509.93	0.29
ELDER	REACH1	10.995	SA NS 10YR	513.94	76.40	80.00		80.05	0.001095	2.49	356.08	221.99	0.26
ELDER	REACH1	10.995	SA-NOSpill	892.56	76.40	80.61		80.69	0.001289	3.07	536.91	509.42	0.29
ELDER	REACH1	10.936	Stand10yr	513.00	76.10	79.79		79.81	0.000421	1.59	576.04	313.75	0.16
ELDER	REACH1	10.936	SA with Spill	889.40	76.10	80.33		80.36	0.000770	2.40	799.26	501.77	0.22
ELDER	REACH1	10.936	SA NS 10YR	513.16	76.10	79.79		79.81	0.000421	1.59	576.19	313.75	0.16
ELDER	REACH1	10.936	SA-NOSpill	887.07	76.10	80.32		80.36	0.000769	2.39	798.00	501.46	0.22
ELDER	REACH1	10.884	Stand10yr	512.47	75.80	79.67		79.69	0.000429	1.68	642.38	425.86	0.16
ELDER	REACH1	10.884	SA with Spill	886.14	75.80	80.14		80.17	0.000639	2.24	857.33	526.26	0.20
ELDER	REACH1	10.884	SA NS 10YR	512.66	75.80	79.67		79.69	0.000429	1.68	642.56	425.90	0.16
ELDER	REACH1	10.884	SA-NOSpill	884.39	75.80	80.13		80.16	0.000639	2.24	856.05	526.12	0.20
ELDER	REACH1	10.834	Stand10yr	512.14	75.60	79.56		79.58	0.000416	1.53	579.75	374.48	0.16
ELDER	REACH1	10.834	SA with Spill	884.67	75.60	79.96		79.99	0.000669	2.12	735.21	407.62	0.21
ELDER	REACH1	10.834	SA NS 10YR	512.35	75.60	79.56		79.58	0.000416	1.53	579.90	374.51	0.16
ELDER	REACH1	10.834	SA-NOSpill	882.84	75.60	79.95		79.99	0.000668	2.11	734.28	407.43	0.21
ELDER	REACH1	10.775	Stand10yr	511.87	75.45	79.48		79.48	0.000172	1.10	805.49	374.49	0.10
ELDER	REACH1	10.775	SA with Spill	883.87	75.45	79.81		79.83	0.000350	1.67	937.06	410.64	0.15
ELDER	REACH1	10.775	SA NS 10YR	512.17	75.45	79.48		79.48	0.000172	1.10	805.61	374.53	0.10
ELDER	REACH1	10.775	SA-NOSpill	881.69	75.45	79.81		79.83	0.000349	1.66	936.23	410.46	0.15
ELDER	REACH1	10.717	Stand10yr	511.80	75.25	79.43		79.44	0.000139	1.10	921.20	398.80	0.10
ELDER	REACH1	10.717	SA with Spill	883.54	75.25	79.71		79.73	0.000299	1.69	1037.31	417.33	0.14
ELDER	REACH1	10.717	SA NS 10YR	512.09	75.25	79.43		79.44	0.000139	1.10	921.32	398.82	0.10
ELDER	REACH1	10.717	SA-NOSpill	881.43	75.25	79.71		79.73	0.000298	1.68	1036.58	417.15	0.14
ELDER	REACH1	10.691	Stand10yr	511.79	74.00	79.42		79.42	0.000074	0.86	1050.84	1060.88	0.07
ELDER	REACH1	10.691	SA with Spill	883.43	74.00	79.69		79.70	0.000167	1.35	1157.39	1084.28	0.11
ELDER	REACH1	10.691	SA NS 10YR	512.05	74.00	79.42		79.42	0.000074	0.86	1050.95	1060.91	0.07
ELDER	REACH1	10.691	SA-NOSpill	881.40	74.00	79.68		79.70	0.000166	1.34	1156.73	1084.15	0.11
ELDER	REACH1	10.689											
ELDER	REACH1	10.686	Stand10yr	510.88	74.00	78.33		78.35	0.000379	1.62	869.92	952.80	0.16
ELDER	REACH1	10.686	SA with Spill	882.89	74.00	78.58		78.60	0.000602	2.14	1103.44	976.27	0.20
ELDER	REACH1	10.686	SA NS 10YR	511.24	74.00	78.33		78.35	0.000379	1.62	870.40	952.85	0.16
ELDER	REACH1	10.686	SA-NOSpill	880.99	74.00	78.57		78.60	0.000601	2.14	1102.24	976.15	0.20
ELDER	REACH1	10.63											
ELDER	REACH1	10.619	Stand10yr	481.31	71.00	78.26		78.26	0.000031	0.54	1411.74	677.57	0.05
ELDER	REACH1	10.619	SA with Spill	845.39	71.00	78.45		78.46	0.000077	0.88	1540.94	684.13	0.07
ELDER	REACH1	10.619	SA NS 10YR	481.61	71.00	78.26		78.26	0.000031	0.54	1412.08	677.59	0.05
ELDER	REACH1	10.619	SA-NOSpill	843.39	71.00	78.45		78.45	0.000077	0.88	1540.29	684.09	0.07
ELDER	REACH1	10.613											
ELDER	REACH1	10.607	Stand10yr	481.15	71.00	74.78		75.04	0.002074	4.11	117.20	71.38	0.37

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 # CH
ELDER	REACH1	10.607	SA with Spill	845.01	71.00	75.31		75.93	0.004129	6.32	133.65	103.50	0.54
ELDER	REACH1	10.607	SA NS 10YR	481.43	71.00	74.78		75.04	0.002075	4.11	117.22	71.42	0.37
ELDER	REACH1	10.607	SA-NOSpill	842.77	71.00	75.31		75.93	0.004112	6.31	133.59	103.41	0.54
ELDER	REACH1	10.562	Stand10yr	481.03	70.10	74.65		74.71	0.000692	2.38	373.28	248.30	0.21
ELDER	REACH1	10.562	SA with Spill	844.51	70.10	75.14		75.24	0.001076	3.20	505.76	292.89	0.27
ELDER	REACH1	10.562	SA NS 10YR	481.36	70.10	74.65		74.71	0.000692	2.38	373.48	248.34	0.21
ELDER	REACH1	10.562	SA-NOSpill	842.50	70.10	75.14		75.24	0.001074	3.20	505.13	292.62	0.27
ELDER	REACH1	10.507	Stand10yr	480.93	70.50	74.39		74.51	0.001653	3.25	311.93	421.43	0.32
ELDER	REACH1	10.507	SA with Spill	843.69	70.50	74.88		74.99	0.001718	3.64	546.45	516.38	0.33
ELDER	REACH1	10.507	SA NS 10YR	481.25	70.50	74.39		74.51	0.001653	3.25	312.21	421.55	0.32
ELDER	REACH1	10.507	SA-NOSpill	841.71	70.50	74.88		74.99	0.001718	3.63	545.40	516.06	0.33
ELDER	REACH1	10.442	Stand10yr	484.03	70.48	73.80		73.90	0.002005	3.27	342.20	423.14	0.34
ELDER	REACH1	10.442	SA with Spill	847.17	70.48	74.29		74.38	0.001958	3.59	576.80	530.17	0.35
ELDER	REACH1	10.442	SA NS 10YR	484.40	70.48	73.80		73.90	0.002005	3.27	342.46	423.22	0.34
ELDER	REACH1	10.442	SA-NOSpill	845.40	70.48	74.29		74.37	0.001958	3.59	575.78	529.98	0.35
ELDER	REACH1	10.361	Stand10yr	488.02	70.32	73.21		73.24	0.001005	2.19	509.90	481.25	0.24
ELDER	REACH1	10.361	SA with Spill	851.41	70.32	73.68		73.71	0.001104	2.56	752.91	556.37	0.26
ELDER	REACH1	10.361	SA NS 10YR	488.43	70.32	73.21		73.24	0.001005	2.19	510.17	481.34	0.24
ELDER	REACH1	10.361	SA-NOSpill	849.90	70.32	73.68		73.71	0.001104	2.56	751.90	556.13	0.26
ELDER	REACH1	10.312	Stand10yr	490.28	70.20	72.82		72.87	0.002015	2.43	414.75	507.98	0.32
ELDER	REACH1	10.312	SA with Spill	854.43	70.20	73.36		73.40	0.001384	2.41	708.98	576.15	0.28
ELDER	REACH1	10.312	SA NS 10YR	490.72	70.20	72.82		72.87	0.002014	2.43	415.08	508.06	0.32
ELDER	REACH1	10.312	SA-NOSpill	852.99	70.20	73.36		73.40	0.001385	2.41	707.95	575.93	0.28
ELDER	REACH1	10.272	Stand10yr	492.17	69.63	72.39		72.44	0.002026	2.76	354.00	313.25	0.33
ELDER	REACH1	10.272	SA with Spill	856.79	69.63	73.04		73.09	0.001610	2.89	573.29	366.79	0.31
ELDER	REACH1	10.272	SA NS 10YR	492.61	69.63	72.39		72.44	0.002026	2.76	354.23	313.31	0.33
ELDER	REACH1	10.272	SA-NOSpill	855.44	69.63	73.04		73.09	0.001609	2.89	572.70	366.65	0.31
ELDER	REACH1	10.214	Stand10yr	570.53	68.78	71.77		71.83	0.002135	3.05	352.21	274.82	0.35
ELDER	REACH1	10.214	SA with Spill	1050.09	68.78	72.44		72.53	0.002259	3.69	591.09	416.78	0.37
ELDER	REACH1	10.214	SA NS 10YR	570.97	68.78	71.77		71.83	0.002135	3.05	352.42	274.90	0.35
ELDER	REACH1	10.214	SA-NOSpill	1048.89	68.78	72.44		72.52	0.002260	3.69	590.47	416.59	0.37
ELDER	REACH1	10.141	Stand10yr	573.64	67.65	71.04		71.12	0.001876	2.79	355.40	315.11	0.32
ELDER	REACH1	10.141	SA with Spill	1056.14	67.65	71.72		71.81	0.001739	3.19	587.54	364.87	0.33
ELDER	REACH1	10.141	SA NS 10YR	574.11	67.65	71.04		71.12	0.001875	2.79	355.67	315.17	0.32
ELDER	REACH1	10.141	SA-NOSpill	1054.78	67.65	71.72		71.81	0.001739	3.19	586.99	364.76	0.33
ELDER	REACH1	10.09	Stand10yr	575.88	66.80	70.49		70.64	0.002072	3.66	304.19	280.45	0.36
ELDER	REACH1	10.09	SA with Spill	1060.67	66.80	71.20		71.35	0.002090	4.20	528.38	353.46	0.37
ELDER	REACH1	10.09	SA NS 10YR	576.34	66.80	70.50		70.64	0.002071	3.66	304.45	280.56	0.36
ELDER	REACH1	10.09	SA-NOSpill	1059.32	66.80	71.20		71.35	0.002089	4.19	527.91	353.33	0.37
ELDER	REACH1	10.034	Stand10yr	578.40	66.41	69.84		69.97	0.002383	3.71	302.28	251.99	0.38
ELDER	REACH1	10.034	SA with Spill	1064.87	66.41	70.44		70.61	0.002573	4.68	519.03	425.98	0.44
ELDER	REACH1	10.034	SA NS 10YR	578.94	66.41	69.84		69.97	0.002384	3.71	302.49	252.10	0.38
ELDER	REACH1	10.034	SA-NOSpill	1063.55	66.41	70.44		70.61	0.002572	4.68	518.55	425.83	0.44
ELDER	REACH1	9.974	Stand10yr	581.02	66.02	69.41		69.43	0.000773	2.09	649.32	545.01	0.22
ELDER	REACH1	9.974	SA with Spill	1068.45	66.02	69.90		69.93	0.000963	2.59	928.36	593.07	0.25
ELDER	REACH1	9.974	SA NS 10YR	581.54	66.02	69.41		69.43	0.000773	2.09	649.74	545.09	0.22
ELDER	REACH1	9.974	SA-NOSpill	1067.50	66.02	69.90		69.93	0.000963	2.59	927.76	592.97	0.25
ELDER	REACH1	9.919	Stand10yr	582.90	65.50	68.80		68.92	0.003070	4.06	358.13	453.74	0.42
ELDER	REACH1	9.919	SA with Spill	1068.35	65.50	69.38		69.47	0.002314	4.00	659.88	542.59	0.38
ELDER	REACH1	9.919	SA NS 10YR	583.55	65.50	68.80		68.92	0.003068	4.06	358.70	454.74	0.42
ELDER	REACH1	9.919	SA-NOSpill	1067.23	65.50	69.38		69.47	0.002313	4.00	659.43	542.51	0.38
ELDER	REACH1	9.878	Stand10yr	583.27	65.13	68.31		68.37	0.001820	2.98	437.76	408.27	0.32
ELDER	REACH1	9.878	SA with Spill	1065.65	65.13	69.00		69.06	0.001501	3.16	750.69	500.70	0.31
ELDER	REACH1	9.878	SA NS 10YR	584.05	65.13	68.31		68.37	0.001817	2.98	438.49	408.51	0.32
ELDER	REACH1	9.878	SA-NOSpill	1064.66	65.13	69.00		69.05	0.001501	3.16	750.33	500.60	0.31
ELDER	REACH1	9.813	Stand10yr	584.58	64.02	67.89		67.93	0.000592	1.90	579.56	497.61	0.19
ELDER	REACH1	9.813	SA with Spill	1065.33	64.02	68.65		68.69	0.000534	2.09	1062.75	702.53	0.19
ELDER	REACH1	9.813	SA NS 10YR	585.70	64.02	67.90		67.93	0.000591	1.90	580.65	497.97	0.19
ELDER	REACH1	9.813	SA-NOSpill	1064.49	64.02	68.65		68.69	0.000534	2.09	1062.29	702.44	0.19
ELDER	REACH1	9.749	Stand10yr	586.35	63.84	67.50		67.58	0.001589	2.93	378.75	304.31	0.31
ELDER	REACH1	9.749	SA with Spill	1066.27	63.84	68.27		68.36	0.001534	3.39	713.20	644.14	0.32
ELDER	REACH1	9.749	SA NS 10YR	587.41	63.84	67.50		67.58	0.001587	2.93	379.49	304.63	0.31
ELDER	REACH1	9.749	SA-NOSpill	1065.95	63.84	68.27		68.36	0.001535	3.39	712.77	643.95	0.32
ELDER	REACH1	9.701	Stand10yr	587.55	63.10	67.20		67.24	0.000879	2.09	478.11	378.88	0.23
ELDER	REACH1	9.701	SA with Spill	1068.31	63.10	67.98		68.04	0.000794	2.37	813.06	470.37	0.23
ELDER	REACH1	9.701	SA NS 10YR	588.85	63.10	67.20		67.24	0.000879	2.09	479.09	379.18	0.23
ELDER	REACH1	9.701	SA-NOSpill	1067.63	63.10	67.98		68.03	0.000794	2.37	812.74	470.29	0.23
ELDER	REACH1	9.633	Stand10yr	590.20	62.68	66.85		66.91	0.000978	2.51	469.25	369.01	0.25
ELDER	REACH1	9.633	SA with Spill	1072.38	62.68	67.68		67.74	0.000847	2.72	804.08	438.18	0.24
ELDER	REACH1	9.633	SA NS 10YR	591.52	62.68	66.85		66.91	0.000977	2.51	470.28	369.21	0.25

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	9.633	SA-NOSpill	1071.85	62.68	67.68		67.74	0.000847	2.72	803.83	438.13	0.24
ELDER	REACH1	9.566	Stand10yr	592.88	62.13	66.07		66.29	0.003097	4.26	211.86	163.28	0.43
ELDER	REACH1	9.566	SA with Spill	1077.63	62.13	66.73		67.06	0.003946	5.50	345.63	239.31	0.51
ELDER	REACH1	9.566	SA NS 10YR	594.21	62.13	66.07		66.29	0.003103	4.26	212.14	163.46	0.44
ELDER	REACH1	9.566	SA-NOSpill	1077.24	62.13	66.73		67.06	0.003946	5.50	345.48	239.24	0.51
ELDER	REACH1	9.524	Stand10yr	594.69	61.85	65.74		65.76	0.000557	1.94	618.62	433.90	0.20
ELDER	REACH1	9.524	SA with Spill	1081.43	61.85	66.29		66.33	0.001078	2.79	998.92	1022.60	0.26
ELDER	REACH1	9.524	SA NS 10YR	596.08	61.85	65.74		65.76	0.000559	1.94	619.05	433.97	0.20
ELDER	REACH1	9.524	SA-NOSpill	1081.03	61.85	66.28		66.33	0.001080	2.79	998.00	1021.98	0.26
ELDER	REACH1	9.486	Stand10yr	596.26	61.30	64.57		64.95	0.009242	5.40	155.88	480.87	0.70
ELDER	REACH1	9.486	SA with Spill	1082.25	61.30	65.22		65.63	0.007685	6.02	290.93	739.62	0.67
ELDER	REACH1	9.486	SA NS 10YR	597.61	61.30	64.57		64.96	0.009228	5.40	156.33	482.07	0.70
ELDER	REACH1	9.486	SA-NOSpill	1081.61	61.30	65.22		65.63	0.007681	6.01	290.84	739.18	0.67
ELDER	REACH1	9.438	Stand10yr	596.39	59.80	63.52		63.63	0.001192	2.82	279.64	177.67	0.27
ELDER	REACH1	9.438	SA with Spill	1078.61	59.80	64.33		64.49	0.001415	3.57	492.39	841.85	0.31
ELDER	REACH1	9.438	SA NS 10YR	597.85	59.80	63.52		63.63	0.001191	2.82	280.36	178.00	0.27
ELDER	REACH1	9.438	SA-NOSpill	1077.79	59.80	64.33		64.49	0.001415	3.56	491.97	841.71	0.31
ELDER	REACH1	9.221	Stand10yr	632.91	59.40	63.37		63.39	0.000285	1.57	778.06	359.20	0.14
ELDER	REACH1	9.221	SA with Spill	1117.85	59.40	64.14		64.17	0.000513	2.37	1141.85	881.88	0.19
ELDER	REACH1	9.221	SA NS 10YR	634.53	59.40	63.37		63.39	0.000285	1.57	779.54	359.54	0.14
ELDER	REACH1	9.221	SA-NOSpill	1114.06	59.40	64.14		64.17	0.000510	2.37	1141.32	881.84	0.19
ELDER	REACH1	9.163	Stand10yr	634.41	58.30	63.04		63.18	0.001409	3.23	286.11	261.93	0.30
ELDER	REACH1	9.163	SA with Spill	1120.25	58.30	63.71		63.90	0.001736	4.02	509.69	400.71	0.34
ELDER	REACH1	9.163	SA NS 10YR	636.10	58.30	63.04		63.19	0.001408	3.23	287.19	262.78	0.30
ELDER	REACH1	9.163	SA-NOSpill	1116.82	58.30	63.71		63.90	0.001718	4.00	510.94	401.35	0.34
ELDER	REACH1	9.116	Stand10yr	635.48	57.40	62.69		62.80	0.001606	2.92	377.79	415.80	0.31
ELDER	REACH1	9.116	SA with Spill	1122.91	57.40	63.39		63.48	0.001360	3.11	698.33	510.98	0.29
ELDER	REACH1	9.116	SA NS 10YR	637.37	57.40	62.70		62.80	0.001597	2.91	380.15	416.57	0.31
ELDER	REACH1	9.116	SA-NOSpill	1103.86	57.40	63.40		63.49	0.001291	3.04	703.91	512.49	0.29
ELDER	REACH1	9.062	Stand10yr	635.58	56.40	61.66		62.00	0.004394	4.67	136.09	49.77	0.50
ELDER	REACH1	9.062	SA with Spill	1115.10	56.40	62.70		62.94	0.002787	4.47	459.50	923.05	0.42
ELDER	REACH1	9.062	SA NS 10YR	637.66	56.40	61.67		62.01	0.004393	4.67	136.44	49.84	0.50
ELDER	REACH1	9.062	SA-NOSpill	1113.72	56.40	62.70		62.94	0.002784	4.47	459.13	922.82	0.42
ELDER	REACH1	9.019	Stand10yr	633.77	55.60	61.19		61.35	0.001231	3.22	196.86	48.41	0.28
ELDER	REACH1	9.019	SA with Spill	1108.14	55.60	62.05	59.32	62.38	0.002115	4.60	261.69	442.75	0.38
ELDER	REACH1	9.019	SA NS 10YR	636.38	55.60	61.20		61.36	0.001235	3.23	197.19	48.44	0.28
ELDER	REACH1	9.019	SA-NOSpill	1111.97	55.60	62.09		62.41	0.002054	4.55	278.66	445.59	0.37
ELDER	REACH1	8.977	Stand10yr	633.07	55.51	61.02		61.11	0.000881	2.82	410.07	347.57	0.24
ELDER	REACH1	8.977	SA with Spill	1107.08	55.51	61.89		61.97	0.000849	3.02	812.60	566.24	0.24
ELDER	REACH1	8.977	SA NS 10YR	635.84	55.51	61.02		61.12	0.000881	2.82	412.49	349.43	0.24
ELDER	REACH1	8.977	SA-NOSpill	1106.13	55.51	61.88		61.97	0.000852	3.03	810.51	565.40	0.24
ELDER	REACH1	8.925	Stand10yr	633.28	55.37	60.82		60.89	0.000637	2.36	470.68	441.72	0.20
ELDER	REACH1	8.925	SA with Spill	1108.26	55.37	61.70		61.76	0.000573	2.49	939.89	623.21	0.20
ELDER	REACH1	8.925	SA NS 10YR	636.17	55.37	60.83		60.90	0.000636	2.36	473.82	443.14	0.20
ELDER	REACH1	8.925	SA-NOSpill	1106.37	55.37	61.70		61.76	0.000575	2.49	937.31	622.36	0.20
ELDER	REACH1	8.873	Stand10yr	633.84	55.28	60.61		60.70	0.000820	2.53	397.95	377.80	0.23
ELDER	REACH1	8.873	SA with Spill	1111.14	55.28	61.52		61.59	0.000709	2.65	769.55	454.13	0.22
ELDER	REACH1	8.873	SA NS 10YR	637.08	55.28	60.62		60.70	0.000820	2.53	400.72	378.33	0.23
ELDER	REACH1	8.873	SA-NOSpill	1109.69	55.28	61.51		61.59	0.000712	2.65	767.42	448.42	0.22
ELDER	REACH1	8.809	Stand10yr	635.55	55.14	60.19		60.33	0.001414	3.02	264.01	381.80	0.29
ELDER	REACH1	8.809	SA with Spill	1115.68	55.14	61.23		61.33	0.000899	2.89	707.02	477.72	0.24
ELDER	REACH1	8.809	SA NS 10YR	638.76	55.14	60.20		60.34	0.001412	3.02	267.02	382.43	0.29
ELDER	REACH1	8.809	SA-NOSpill	1114.08	55.14	61.23		61.32	0.000904	2.90	704.11	477.11	0.25
ELDER	REACH1	8.803	Stand10yr	635.76	54.90	60.20	56.61	60.29	0.000557	2.35	329.75	384.68	0.18
ELDER	REACH1	8.803	SA with Spill	1116.10	54.90	61.21	57.39	61.30	0.000581	2.70	759.03	492.80	0.19
ELDER	REACH1	8.803	SA NS 10YR	639.05	54.90	60.21	56.61	60.29	0.000559	2.36	332.59	385.24	0.18
ELDER	REACH1	8.803	SA-NOSpill	1114.49	54.90	61.20	57.39	61.29	0.000583	2.70	756.05	490.71	0.19
ELDER	REACH1	8.788	Bridge										
ELDER	REACH1	8.788	Stand10yr	635.69	54.90	60.05		60.15	0.000637	2.47	257.56	363.32	0.19
ELDER	REACH1	8.788	SA with Spill	1116.10	54.90	60.96		61.08	0.000750	2.98	645.15	442.55	0.21
ELDER	REACH1	8.788	SA NS 10YR	638.89	54.90	60.06		60.16	0.000640	2.48	258.01	365.83	0.19
ELDER	REACH1	8.788	SA-NOSpill	1114.49	54.90	60.96		61.07	0.000754	2.99	642.31	442.07	0.21
ELDER	REACH1	8.724	Stand10yr	637.22	54.05	59.92		59.95	0.000493	1.51	423.27	170.84	0.17
ELDER	REACH1	8.724	SA with Spill	1118.68	54.05	60.82		60.87	0.000469	1.78	782.61	481.73	0.17
ELDER	REACH1	8.724	SA NS 10YR	640.40	54.05	59.92		59.96	0.000494	1.51	424.77	171.31	0.17
ELDER	REACH1	8.724	SA-NOSpill	1117.45	54.05	60.81		60.86	0.000472	1.79	779.22	480.70	0.17
ELDER	REACH1	8.645	Stand10yr	633.80	53.00	58.78		59.19	0.003765	5.26	156.80	464.42	0.48
ELDER	REACH1	8.645	SA with Spill	1112.07	53.00	59.49		60.02	0.004659	6.55	286.03	548.53	0.54
ELDER	REACH1	8.645	SA NS 10YR	636.93	53.00	58.79		59.20	0.003776	5.27	157.62	465.10	0.48

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 # CH1
ELDER	REACH1	8.645	SA-NOSpill	1110.69	53.00	59.48		60.02	0.004658	6.54	285.89	548.45	0.54
ELDER	REACH1	8.586	Stand10yr	630.98	52.80	58.35		58.40	0.000504	1.78	388.39	556.16	0.18
ELDER	REACH1	8.586	SA with Spil	1096.64	52.80	58.89		58.97	0.000782	2.46	594.74	968.74	0.22
ELDER	REACH1	8.586	SA NS 10YR	633.51	52.80	58.36		58.40	0.000505	1.78	389.82	560.46	0.18
ELDER	REACH1	8.586	SA-NOSpill	1093.71	52.80	58.88		58.97	0.000780	2.46	594.04	967.69	0.22
ELDER	REACH1	8.531	Stand10yr	626.64	52.60	58.13		58.20	0.000961	2.54	624.50	1667.11	0.24
ELDER	REACH1	8.531	SA with Spil	1081.28	52.60	58.72		58.75	0.000591	2.22	1278.03	3571.55	0.20
ELDER	REACH1	8.531	SA NS 10YR	629.19	52.60	58.14		58.20	0.000949	2.53	631.85	1668.94	0.24
ELDER	REACH1	8.531	SA-NOSpill	1065.50	52.60	58.72		58.75	0.000574	2.18	1278.49	3571.75	0.19
ELDER	REACH1	8.432	Stand10yr	621.79	52.20	57.80		57.83	0.000718	2.25	577.56	339.53	0.21
ELDER	REACH1	8.432	SA with Spil	988.98	52.20	58.42		58.45	0.000864	2.73	1177.31	3075.51	0.23
ELDER	REACH1	8.432	SA NS 10YR	623.79	52.20	57.81		57.84	0.000710	2.24	581.06	339.99	0.20
ELDER	REACH1	8.432	SA-NOSpill	1043.92	52.20	58.37		58.41	0.001110	3.07	1116.72	2975.53	0.26
ELDER	REACH1	8.399	Stand10yr	614.18	52.15	57.88		57.74	0.000999	2.55	439.12	297.83	0.25
ELDER	REACH1	8.399	SA with Spil	989.90	52.15	58.30		58.36	0.000922	2.75	881.54	2321.94	0.24
ELDER	REACH1	8.399	SA NS 10YR	616.06	52.15	57.89		57.75	0.000987	2.54	442.63	299.30	0.24
ELDER	REACH1	8.399	SA-NOSpill	1031.24	52.15	58.22		58.30	0.001191	3.08	786.09	2288.22	0.28
ELDER	REACH1	8.313	Stand10yr	571.56	52.04	57.43		57.47	0.000490	2.03	781.97	1411.41	0.18
ELDER	REACH1	8.313	SA with Spil	987.53	52.04	58.10		58.12	0.000331	1.85	1403.61	2028.08	0.15
ELDER	REACH1	8.313	SA NS 10YR	574.57	52.04	57.45		57.48	0.000476	2.01	795.39	1414.96	0.18
ELDER	REACH1	8.313	SA-NOSpill	1026.66	52.04	57.96		57.98	0.000481	2.18	1262.56	1526.50	0.18
ELDER	REACH1	8.092	Stand10yr	553.98	51.60	57.14		57.15	0.000188	1.27	1219.44	1850.59	0.11
ELDER	REACH1	8.092	SA with Spil	931.31	51.60	57.92		57.92	0.000086	0.96	2603.85	2075.23	0.08
ELDER	REACH1	8.092	SA NS 10YR	559.50	51.60	57.16		57.17	0.000182	1.26	1242.62	1857.10	0.11
ELDER	REACH1	8.092	SA-NOSpill	1031.65	51.60	57.63		57.64	0.000236	1.53	1727.23	1992.59	0.12
ELDER	REACH1	8.029	Stand10yr	555.29	51.33	56.73		56.32	0.006510	6.15	90.25	29.45	0.61
ELDER	REACH1	8.029	SA with Spil	1321.91	51.33	56.34		56.71	0.005959	6.53	539.90	1266.77	0.60
ELDER	REACH1	8.029	SA NS 10YR	561.09	51.33	56.74		56.34	0.006571	6.19	90.60	30.08	0.61
ELDER	REACH1	8.029	SA-NOSpill	1124.96	51.33	56.24		56.63	0.005948	6.40	461.23	1246.53	0.59
ELDER	REACH1	7.985	Stand10yr	556.18	51.13	55.11		55.12	0.000326	1.32	892.57	819.00	0.14
ELDER	REACH1	7.985	SA with Spil	1275.99	51.13	55.71		55.74	0.000501	1.87	1427.59	936.42	0.18
ELDER	REACH1	7.985	SA NS 10YR	562.13	51.13	55.11		55.13	0.000327	1.33	898.08	820.29	0.14
ELDER	REACH1	7.985	SA-NOSpill	1107.06	51.13	55.61		55.63	0.000458	1.75	1327.32	915.55	0.17
ELDER	REACH1	7.809	Stand10yr	557.36	50.55	54.99		54.99	0.000308	1.15	912.66	1955.86	0.13
ELDER	REACH1	7.809	SA with Spil	1252.11	50.55	55.51		55.53	0.000646	1.90	1268.74	2484.47	0.19
ELDER	REACH1	7.809	SA NS 10YR	563.29	50.55	54.99		55.00	0.000311	1.16	916.39	1961.54	0.13
ELDER	REACH1	7.809	SA-NOSpill	1105.91	50.55	55.42		55.44	0.000676	1.76	1204.14	2390.82	0.16
ELDER	REACH1	7.764	Stand10yr	581.30	50.36	54.77		54.83	0.001256	2.89	612.77	1758.39	0.27
ELDER	REACH1	7.764	SA with Spil	1292.26	50.36	55.20		55.27	0.001637	3.57	1055.21	1883.61	0.32
ELDER	REACH1	7.764	SA NS 10YR	587.93	50.36	54.77		54.84	0.001265	2.91	617.08	1759.23	0.27
ELDER	REACH1	7.764	SA-NOSpill	1152.72	50.36	55.12		55.19	0.001595	3.48	977.91	1877.01	0.31
ELDER	REACH1	7.697	Stand10yr	581.11	50.16	54.30		54.35	0.001672	2.21	664.92	1815.78	0.29
ELDER	REACH1	7.697	SA with Spil	1247.75	50.16	54.82		54.84	0.000836	1.86	1698.44	2189.30	0.22
ELDER	REACH1	7.697	SA NS 10YR	587.74	50.16	54.30		54.35	0.001659	2.21	675.01	1816.91	0.29
ELDER	REACH1	7.697	SA-NOSpill	1141.69	50.16	54.73		54.76	0.000943	1.92	1514.82	2122.09	0.23
ELDER	REACH1	7.617	Stand10yr	579.31	49.88	53.45		53.60	0.002835	3.87	332.05	482.92	0.41
ELDER	REACH1	7.617	SA with Spil	1214.00	49.88	54.08		54.24	0.003139	4.67	1062.28	2649.73	0.44
ELDER	REACH1	7.617	SA NS 10YR	586.12	49.88	53.46		53.61	0.002826	3.87	337.03	486.94	0.41
ELDER	REACH1	7.617	SA-NOSpill	1126.05	49.88	54.01		54.24	0.004122	5.27	863.65	2630.79	0.51
ELDER	REACH1	7.574	Stand10yr	575.46	49.72	53.11		53.12	0.000452	1.50	900.73	1509.81	0.16
ELDER	REACH1	7.574	SA with Spil	1192.57	49.72	53.69		53.70	0.000537	1.86	1540.16	2011.55	0.18
ELDER	REACH1	7.574	SA NS 10YR	582.68	49.72	53.12		53.13	0.000452	1.50	911.02	1518.40	0.16
ELDER	REACH1	7.574	SA-NOSpill	1120.21	49.72	53.63		53.65	0.000530	1.83	1477.20	1988.82	0.18
ELDER	REACH1	7.523	Stand10yr	574.40	49.61	53.03		53.03	0.000190	1.00	1598.65	1670.28	0.10
ELDER	REACH1	7.523	SA with Spil	1190.61	49.61	53.59		53.60	0.000190	1.13	2567.52	1751.59	0.11
ELDER	REACH1	7.523	SA NS 10YR	581.54	49.61	53.04		53.04	0.000188	1.00	1616.53	1671.67	0.10
ELDER	REACH1	7.523	SA-NOSpill	1118.09	49.61	53.54		53.55	0.000186	1.11	2480.82	1743.82	0.11
ELDER	REACH1	7.459	Stand10yr	574.15	49.00	53.00	52.27	53.01	0.000265	1.13	1208.63	1166.51	0.12
ELDER	REACH1	7.459	SA with Spil	1188.11	49.00	53.56	52.49	53.57	0.000304	1.36	1934.02	1458.54	0.14
ELDER	REACH1	7.459	SA NS 10YR	581.41	49.00	53.01	52.27	53.02	0.000264	1.13	1221.35	1167.83	0.12
ELDER	REACH1	7.459	SA-NOSpill	1117.63	49.00	53.51	52.47	53.52	0.000297	1.33	1863.49	1426.78	0.13
ELDER	REACH1	7.457	Bridge										
ELDER	REACH1	7.454	Stand10yr	574.05	49.00	52.99		52.99	0.000240	1.07	1254.20	1171.36	0.12
ELDER	REACH1	7.454	SA with Spil	1188.11	49.00	53.55		53.56	0.000282	1.32	1990.92	1484.25	0.13
ELDER	REACH1	7.454	SA NS 10YR	581.32	49.00	53.00		53.01	0.000239	1.07	1266.96	1172.67	0.12
ELDER	REACH1	7.454	SA-NOSpill	1117.29	49.00	53.50		53.51	0.000275	1.29	1919.30	1452.56	0.13
ELDER	REACH1	7.392	Stand10yr	573.71	48.59	52.87		52.89	0.000561	1.79	761.27	768.56	0.18
ELDER	REACH1	7.392	SA with Spil	1179.49	48.59	53.41		53.44	0.000692	2.22	1174.40	771.30	0.21
ELDER	REACH1	7.392	SA NS 10YR	580.99	48.59	52.88		52.91	0.000558	1.79	770.04	768.52	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	REACH1	7.392	SA-NOSpill	1114.60	48.59	53.36		53.39	0.000675	2.18	1140.11	771.08	0.21
ELDER	REACH1	7.339	Stand10yr	573.80	48.05	52.70		52.72	0.000546	1.70	684.66	495.51	0.18
ELDER	REACH1	7.339	SA with Spill	1169.97	48.05	53.13		53.17	0.000992	2.51	900.20	500.46	0.24
ELDER	REACH1	7.339	SA NS 10YR	580.85	48.05	52.71		52.73	0.000546	1.70	690.44	495.68	0.18
ELDER	REACH1	7.339	SA-NOSpill	1030.51	48.05	53.11		53.14	0.000802	2.25	888.12	499.89	0.22
ELDER	REACH1	7.3202*	Stand10yr	573.58	47.97	52.67		52.69	0.000567	1.94	609.79	483.71	0.20
ELDER	REACH1	7.3202*	SA with Spill	1169.38	47.97	53.13		53.14	0.000324	1.48	1668.56	1100.68	0.14
ELDER	REACH1	7.3202*	SA NS 10YR	580.85	47.97	52.68		52.71	0.000567	1.94	615.48	485.81	0.20
ELDER	REACH1	7.3202*	SA-NOSpill	1029.41	47.97	53.10		53.11	0.000262	1.33	1642.97	1092.37	0.13
ELDER	REACH1	7.3014*	Stand10yr	573.58	47.88	52.63		52.67	0.000728	2.08	577.39	552.41	0.21
ELDER	REACH1	7.3014*	SA with Spill	1169.03	47.88	53.11		53.13	0.000320	1.52	1680.48	1090.00	0.14
ELDER	REACH1	7.3014*	SA NS 10YR	580.83	47.88	52.64		52.68	0.000727	2.08	583.96	457.00	0.21
ELDER	REACH1	7.3014*	SA-NOSpill	1028.10	47.88	53.09		53.10	0.000257	1.35	1657.71	1084.65	0.13
ELDER	REACH1	7.2826*	Stand10yr	573.57	47.80	52.53		52.64	0.001660	3.17	362.49	442.92	0.32
ELDER	REACH1	7.2826*	SA with Spill	1153.31	47.80	53.10		53.11	0.000306	1.52	1688.77	1055.66	0.14
ELDER	REACH1	7.2826*	SA NS 10YR	580.82	47.80	52.54		52.65	0.001653	3.17	368.09	445.79	0.31
ELDER	REACH1	7.2826*	SA-NOSpill	1107.68	47.80	53.06		53.07	0.000303	1.50	1644.65	1047.10	0.14
ELDER	REACH1	7.2638*	Stand10yr	573.56	47.71	52.37		52.55	0.002336	3.75	272.36	358.77	0.37
ELDER	REACH1	7.2638*	SA with Spill	1145.95	47.71	53.09		53.10	0.000295	1.53	1684.96	1020.66	0.14
ELDER	REACH1	7.2638*	SA NS 10YR	580.81	47.71	52.39		52.57	0.002322	3.75	277.50	359.29	0.37
ELDER	REACH1	7.2638*	SA-NOSpill	1107.58	47.71	53.05		53.07	0.000295	1.52	1646.30	1013.19	0.14
ELDER	REACH1	7.245*	Stand10yr	573.56	47.63	52.20		52.40	0.002594	3.91	240.94	307.06	0.39
ELDER	REACH1	7.245*	SA with Spill	1141.95	47.63	53.08		53.09	0.000288	1.54	1674.03	980.24	0.14
ELDER	REACH1	7.245*	SA NS 10YR	580.81	47.63	52.21		52.42	0.002570	3.91	246.18	307.50	0.39
ELDER	REACH1	7.245*	SA-NOSpill	1107.56	47.63	53.04		53.05	0.000289	1.54	1636.87	975.49	0.14
ELDER	REACH1	7.2262*	Stand10yr	573.55	47.55	52.01		52.23	0.002861	4.05	214.91	285.59	0.41
ELDER	REACH1	7.2262*	SA with Spill	1187.72	47.55	53.03		53.04	0.000333	1.68	1612.91	934.36	0.15
ELDER	REACH1	7.2262*	SA NS 10YR	580.81	47.55	52.02		52.25	0.002864	4.06	218.56	285.83	0.41
ELDER	REACH1	7.2262*	SA-NOSpill	1107.54	47.55	52.91		53.10	0.002260	4.29	485.14	324.52	0.38
ELDER	REACH1	7.2074*	Stand10yr	573.55	47.46	51.84		52.03	0.002615	3.82	210.52	140.55	0.39
ELDER	REACH1	7.2074*	SA with Spill	1187.63	47.46	52.87		53.08	0.002459	4.54	475.41	296.57	0.40
ELDER	REACH1	7.2074*	SA NS 10YR	580.80	47.46	51.85		52.04	0.002624	3.84	212.49	140.82	0.40
ELDER	REACH1	7.2074*	SA-NOSpill	1107.53	47.46	52.77		52.98	0.002471	4.47	444.98	289.86	0.40
ELDER	REACH1	7.1886*	Stand10yr	573.54	47.38	51.63		51.83	0.002844	3.90	199.54	123.51	0.41
ELDER	REACH1	7.1886*	SA with Spill	1187.63	47.38	52.67		52.94	0.003018	4.95	385.30	210.00	0.44
ELDER	REACH1	7.1886*	SA NS 10YR	580.80	47.38	51.65		51.85	0.002857	3.92	201.18	123.70	0.41
ELDER	REACH1	7.1886*	SA-NOSpill	1107.51	47.38	52.56		52.83	0.003033	4.87	363.12	210.00	0.44
ELDER	REACH1	7.1698*	Stand10yr	573.50	47.29	51.37		51.60	0.003446	4.14	179.81	106.43	0.45
ELDER	REACH1	7.1698*	SA with Spill	1187.60	47.29	52.33		52.74	0.004462	5.76	310.92	190.93	0.53
ELDER	REACH1	7.1698*	SA NS 10YR	580.80	47.29	51.39		51.62	0.003473	4.17	181.02	106.54	0.45
ELDER	REACH1	7.1698*	SA-NOSpill	1107.48	47.29	52.22		52.63	0.004495	5.68	289.98	188.82	0.53
ELDER	REACH1	7.151	Stand10yr	570.13	47.21	50.71		51.16	0.008660	5.60	121.82	87.46	0.68
ELDER	REACH1	7.151	SA with Spill	1167.64	47.21	51.55		52.28	0.009733	7.42	197.59	92.99	0.76
ELDER	REACH1	7.151	SA NS 10YR	580.78	47.21	50.85		51.24	0.006913	5.23	134.57	88.40	0.61
ELDER	REACH1	7.151	SA-NOSpill	1107.44	47.21	51.56		52.21	0.008647	7.01	198.48	93.06	0.72
ELDER	REACH1	7.15	Lat Struct										
ELDER	REACH1	7.1445*	Stand10yr	281.72	47.18	50.81		50.86	0.001220	2.13	198.23	174.94	0.26
ELDER	REACH1	7.1445*	SA with Spill	710.25	47.18	51.80		51.88	0.001344	2.87	373.98	180.00	0.29
ELDER	REACH1	7.1445*	SA NS 10YR	321.43	47.18	50.93		50.99	0.001223	2.21	219.33	175.63	0.26
ELDER	REACH1	7.1445*	SA-NOSpill	675.90	47.18	51.76		51.84	0.001277	2.76	367.91	180.00	0.28
ELDER	REACH1	7.138*	Stand10yr	281.71	47.15	50.69		50.76	0.001612	2.30	184.22	192.47	0.29
ELDER	REACH1	7.138*	SA with Spill	710.29	47.15	51.69		51.77	0.001448	2.87	381.29	200.00	0.29
ELDER	REACH1	7.138*	SA NS 10YR	321.43	47.15	50.82		50.88	0.001551	2.35	208.22	193.70	0.29
ELDER	REACH1	7.138*	SA-NOSpill	675.82	47.15	51.66		51.74	0.001369	2.77	375.69	200.00	0.29
ELDER	REACH1	7.1315*	Stand10yr	281.70	47.11	50.45		50.57	0.003507	3.03	127.90	186.81	0.42
ELDER	REACH1	7.1315*	SA with Spill	710.24	47.11	51.54		51.65	0.001953	3.17	342.75	200.00	0.34
ELDER	REACH1	7.1315*	SA NS 10YR	321.42	47.11	50.61		50.72	0.002911	2.94	158.28	190.10	0.38
ELDER	REACH1	7.1315*	SA-NOSpill	675.40	47.11	51.52		51.62	0.001820	3.05	339.16	200.00	0.33
ELDER	REACH1	7.125	Stand10yr	281.70	47.08	49.57		50.05	0.011985	5.53	50.98	31.21	0.76
ELDER	REACH1	7.125	SA with Spill	710.03	47.08	51.01		51.36	0.007330	5.22	196.15	192.87	0.63
ELDER	REACH1	7.125	SA NS 10YR	321.32	47.08	49.75		50.25	0.011642	5.66	56.76	32.77	0.76
ELDER	REACH1	7.125	SA-NOSpill	669.33	47.08	51.17		51.41	0.004625	4.35	228.03	200.00	0.50
ELDER	REACH1	7.120	Stand10yr	281.70	46.70	49.16		49.32	0.006137	3.13	90.05	43.07	0.38
ELDER	REACH1	7.120	SA with Spill	708.08	46.70	50.23		50.64	0.010704	5.10	138.94	48.03	0.53
ELDER	REACH1	7.120	SA NS 10YR	321.03	46.70	49.38		49.54	0.005945	3.23	99.41	44.21	0.38
ELDER	REACH1	7.120	SA-NOSpill	663.59	46.70	50.72		50.98	0.005828	4.08	162.56	49.15	0.40
ELDER	REACH1	7.119	Lat Struct										
ELDER	REACH1	7.10425*	Stand10yr	281.69	46.05	48.59		48.76	0.007279	3.28	85.81	43.63	0.41

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	7.10425*	SA with Spil	512.06	46.05	49.89		50.08	0.004935	3.48	147.27	51.00	0.36
ELDER	REACH1	7.10425*	SA NS 10YR	327.33	46.05	48.80		48.99	0.007230	3.44	95.16	44.83	0.42
ELDER	REACH1	7.10425*	SA-NOSpill	664.80	46.05	50.23		50.48	0.005975	4.03	164.81	52.53	0.40
ELDER	REACH1	7.0885*	Stand10yr	281.68	45.40	47.94		48.12	0.008159	3.39	83.18	44.00	0.43
ELDER	REACH1	7.0885*	SA with Spil	524.40	45.40	49.53		49.70	0.004107	3.26	160.65	53.27	0.33
ELDER	REACH1	7.0885*	SA NS 10YR	329.63	45.40	48.15		48.34	0.008159	3.57	92.45	45.21	0.44
ELDER	REACH1	7.0885*	SA-NOSpill	676.00	45.40	49.74		49.98	0.005631	3.94	172.12	54.50	0.39
ELDER	REACH1	7.07275*	Stand10yr	281.58	44.75	47.31		47.48	0.007248	3.25	86.66	44.56	0.41
ELDER	REACH1	7.07275*	SA with Spil	523.29	44.75	49.29		49.41	0.002685	2.81	186.45	56.25	0.27
ELDER	REACH1	7.07275*	SA NS 10YR	329.46	44.75	47.51		47.70	0.007381	3.44	95.74	45.75	0.42
ELDER	REACH1	7.07275*	SA-NOSpill	677.08	44.75	49.38		49.58	0.004153	3.53	191.68	56.80	0.34
ELDER	REACH1	7.057	Stand10yr	281.45	44.10	46.89		47.00	0.004052	2.68	104.98	46.43	0.31
ELDER	REACH1	7.057	SA with Spil	522.88	44.10	49.15		49.24	0.001561	2.32	225.09	59.88	0.21
ELDER	REACH1	7.057	SA NS 10YR	329.13	44.10	47.07		47.21	0.004408	2.90	113.51	47.51	0.33
ELDER	REACH1	7.057	SA-NOSpill	675.49	44.10	49.16		49.30	0.002598	3.00	225.30	59.90	0.27
ELDER	REACH1	7.04066*	Stand10yr	281.33	43.43	46.64		46.72	0.002505	2.27	123.84	48.93	0.25
ELDER	REACH1	7.04066*	SA with Spil	522.46	43.43	49.06		49.12	0.001044	2.01	259.78	63.42	0.18
ELDER	REACH1	7.04066*	SA NS 10YR	328.78	43.43	46.79		46.89	0.002886	2.50	131.33	49.84	0.27
ELDER	REACH1	7.04066*	SA-NOSpill	674.33	43.43	49.00		49.10	0.001818	2.64	255.71	63.04	0.23
ELDER	REACH1	7.02433*	Stand10yr	281.24	42.77	46.49		46.55	0.001464	1.88	149.24	52.07	0.20
ELDER	REACH1	7.02433*	SA with Spil	522.43	42.77	49.00		49.05	0.000709	1.75	298.71	67.21	0.15
ELDER	REACH1	7.02433*	SA NS 10YR	328.51	42.77	46.62		46.69	0.001764	2.11	155.83	52.83	0.22
ELDER	REACH1	7.02433*	SA-NOSpill	673.12	42.77	48.89		48.97	0.001264	2.31	291.21	66.54	0.19
ELDER	REACH1	7.008	Stand10yr	281.20	42.10	46.41		46.45	0.000853	1.56	180.29	55.59	0.15
ELDER	REACH1	7.008	SA with Spil	522.01	42.10	48.96		49.00	0.000488	1.53	341.70	71.08	0.12
ELDER	REACH1	7.008	SA NS 10YR	328.28	42.10	46.52		46.57	0.001060	1.76	186.28	56.24	0.17
ELDER	REACH1	7.008	SA-NOSpill	673.09	42.10	48.82		48.88	0.000883	2.03	331.42	70.19	0.16
ELDER	REACH1	6.98	Lat Struct										
ELDER	REACH1	6.97906*	Stand10yr	302.31	41.50	46.36		46.39	0.000593	1.40	216.42	59.85	0.13
ELDER	REACH1	6.97906*	SA with Spil	640.12	41.50	48.90		48.94	0.000518	1.65	388.03	75.20	0.13
ELDER	REACH1	6.97906*	SA NS 10YR	351.76	41.50	46.45		46.49	0.000746	1.58	222.05	60.42	0.15
ELDER	REACH1	6.97906*	SA-NOSpill	689.97	41.50	48.76		48.82	0.000648	1.83	377.95	74.38	0.14
ELDER	REACH1	6.978	Stand10yr	302.31	40.90	46.33		46.35	0.000367	1.18	257.28	64.27	0.10
ELDER	REACH1	6.978	SA with Spil	687.47	40.90	48.86		48.90	0.000426	1.57	439.22	79.46	0.12
ELDER	REACH1	6.978	SA NS 10YR	351.67	40.90	46.41		46.44	0.000468	1.34	262.83	64.78	0.12
ELDER	REACH1	6.978	SA-NOSpill	689.91	40.90	48.73		48.77	0.000458	1.61	429.11	78.69	0.12
ELDER	REACH1	6.960	Lat Struct										
ELDER	REACH1	6.95819*	Stand10yr	505.22	40.50	46.24		46.29	0.000743	1.70	297.56	73.01	0.15
ELDER	REACH1	6.95819*	SA with Spil	1058.23	40.50	48.75		48.82	0.000749	2.12	499.76	88.16	0.16
ELDER	REACH1	6.95819*	SA NS 10YR	533.06	40.50	46.33		46.38	0.000778	1.75	303.97	73.54	0.15
ELDER	REACH1	6.95819*	SA-NOSpill	1038.87	40.50	48.62		48.69	0.000769	2.13	488.64	87.39	0.16
ELDER	REACH1	6.956	Stand10yr	595.43	40.10	46.20		46.24	0.000500	1.53	388.03	82.12	0.12
ELDER	REACH1	6.956	SA with Spil	1143.06	40.10	48.72		48.77	0.000495	1.86	613.47	95.22	0.13
ELDER	REACH1	6.956	SA NS 10YR	610.55	40.10	46.29		46.33	0.000497	1.54	395.53	82.67	0.12
ELDER	REACH1	6.956	SA-NOSpill	1111.30	40.10	48.60		48.65	0.000495	1.85	601.64	94.85	0.13
ELDER	REACH1	6.946	Culvert										
ELDER	REACH1	6.927	Stand10yr	595.25	39.90	45.93		45.99	0.001029	1.96	304.37	77.01	0.17
ELDER	REACH1	6.927	SA with Spil	1138.39	39.90	48.30		48.37	0.000897	2.25	505.06	92.81	0.17
ELDER	REACH1	6.927	SA NS 10YR	610.55	39.90	46.02		46.08	0.001016	1.96	311.15	77.59	0.17
ELDER	REACH1	6.927	SA-NOSpill	1108.23	39.90	48.18		48.26	0.000902	2.24	494.42	92.04	0.17
ELDER	REACH1	6.903	Stand10yr	595.18	39.70	45.82		45.87	0.000842	1.77	336.79	85.67	0.16
ELDER	REACH1	6.903	SA with Spil	1136.97	39.70	48.21		48.27	0.000720	2.02	563.12	104.12	0.15
ELDER	REACH1	6.903	SA NS 10YR	610.55	39.70	45.91		45.96	0.000831	1.77	344.47	86.36	0.16
ELDER	REACH1	6.903	SA-NOSpill	1108.20	39.70	48.09		48.15	0.000727	2.01	551.08	103.23	0.15
ELDER	REACH1	6.884	Stand10yr	595.12	39.60	45.77		45.80	0.000524	1.42	418.23	103.51	0.12
ELDER	REACH1	6.884	SA with Spil	1135.56	39.60	48.17		48.21	0.000454	1.65	689.93	123.03	0.12
ELDER	REACH1	6.884	SA NS 10YR	610.54	39.60	45.86		45.89	0.000517	1.43	427.60	104.25	0.12
ELDER	REACH1	6.884	SA-NOSpill	1108.12	39.60	48.05		48.10	0.000459	1.64	675.60	122.08	0.12
ELDER	REACH1	6.872	Stand10yr	595.12	39.50	45.75		45.77	0.000441	1.31	454.55	112.14	0.11
ELDER	REACH1	6.872	SA with Spil	1135.54	39.50	48.15		48.19	0.000380	1.51	749.75	132.63	0.11
ELDER	REACH1	6.872	SA NS 10YR	610.54	39.50	45.84		45.86	0.000435	1.31	464.76	112.95	0.11
ELDER	REACH1	6.872	SA-NOSpill	1108.06	39.50	48.03		48.07	0.000386	1.51	734.22	132.23	0.11
ELDER	REACH1	6.858	Stand10yr	610.46	39.40	45.70		45.74	0.000525	1.43	425.45	104.31	0.13
ELDER	REACH1	6.858	SA with Spil	1170.08	39.40	48.11		48.15	0.000465	1.67	700.77	124.58	0.12
ELDER	REACH1	6.858	SA NS 10YR	628.49	39.40	45.79		45.83	0.000523	1.45	434.92	105.07	0.13
ELDER	REACH1	6.858	SA-NOSpill	1141.86	39.40	47.99		48.03	0.000470	1.66	686.06	123.58	0.12
ELDER	REACH1	6.847	Stand10yr	610.46	39.30	45.66		45.70	0.000697	1.62	377.61	95.55	0.14
ELDER	REACH1	6.847	SA with Spil	1170.06	39.30	48.07		48.12	0.000601	1.84	634.87	117.96	0.14

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 #	Chi
ELDER	REACH1	6.847	SA NS 10YR	628.43	39.30	45.75		45.79	0.000593	1.63	386.31	96.40		0.14
ELDER	REACH1	6.847	SA-NOSpill	1141.85	39.30	47.95		48.00	0.000609	1.84	620.90	116.85		0.14
ELDER	REACH1	6.824	Stand10yr	610.35	39.10	45.62		45.64	0.000315	1.10	553.32	137.39		0.10
ELDER	REACH1	6.824	SA with Spil	1169.96	39.10	48.04		48.07	0.000265	1.28	911.04	157.73		0.09
ELDER	REACH1	6.824	SA NS 10YR	628.43	39.10	45.71		45.73	0.000312	1.11	565.90	138.15		0.10
ELDER	REACH1	6.824	SA-NOSpill	1141.80	39.10	47.92		47.95	0.000268	1.28	892.18	156.73		0.09
ELDER	REACH1	6.807	Stand10yr	610.34	39.00	45.59		45.61	0.000391	1.10	557.31	163.64		0.10
ELDER	REACH1	6.807	SA with Spil	1168.57	39.00	48.02		48.04	0.000253	1.19	978.15	181.93		0.09
ELDER	REACH1	6.807	SA NS 10YR	628.42	39.00	45.68		45.70	0.000381	1.10	572.40	164.33		0.10
ELDER	REACH1	6.807	SA-NOSpill	1141.75	39.00	47.90		47.92	0.000259	1.19	956.28	181.03		0.09
ELDER	REACH1	6.795	Stand10yr	610.25	39.00	45.57		45.58	0.000272	1.04	588.22	143.52		0.09
ELDER	REACH1	6.795	SA with Spil	1168.55	39.00	48.01		48.03	0.000230	1.22	951.24	162.38		0.09
ELDER	REACH1	6.795	SA NS 10YR	628.37	39.00	45.66		45.68	0.000270	1.04	601.49	144.23		0.09
ELDER	REACH1	6.795	SA-NOSpill	1141.29	39.00	47.89		47.91	0.000233	1.21	941.69	161.45		0.09
ELDER	REACH1	6.782	Stand10yr	610.24	38.90	45.51		45.55	0.000539	1.62	376.73	88.70		0.14
ELDER	REACH1	6.782	SA with Spil	1168.51	38.90	47.95		48.00	0.000590	1.90	615.15	107.24		0.14
ELDER	REACH1	6.782	SA NS 10YR	628.36	38.90	45.60		45.65	0.000537	1.63	384.93	89.40		0.14
ELDER	REACH1	6.782	SA-NOSpill	1141.29	38.90	47.83		47.88	0.000598	1.90	602.22	106.32		0.14
ELDER	REACH1	6.774	Stand10yr	610.16	38.80	45.47	41.61	45.52	0.000850	1.92	318.11	71.11		0.16
ELDER	REACH1	6.774	SA with Spil	1167.27	38.80	47.89	42.54	47.97	0.000832	2.31	508.14	83.98		0.17
ELDER	REACH1	6.774	SA NS 10YR	628.36	38.80	45.56	41.65	45.62	0.000851	1.94	324.65	71.60		0.16
ELDER	REACH1	6.774	SA-NOSpill	1141.28	38.80	47.77	42.50	47.85	0.000842	2.30	495.99	83.33		0.17
ELDER	REACH1	6.764	Bridge											
ELDER	REACH1	6.752	Stand10yr	609.99	38.60	44.04		44.89	0.000855	1.84	330.81	79.48		0.16
ELDER	REACH1	6.752	SA with Spil	1165.94	38.60	47.11		47.18	0.000825	2.21	527.11	93.45		0.16
ELDER	REACH1	6.752	SA NS 10YR	628.28	38.60	44.92		44.98	0.000856	1.86	337.62	80.00		0.16
ELDER	REACH1	6.752	SA-NOSpill	1140.83	38.60	46.99		47.07	0.000838	2.21	516.33	92.74		0.17
ELDER	REACH1	6.745	Stand10yr	610.04	38.60	44.83		44.86	0.000698	1.54	396.79	108.89		0.14
ELDER	REACH1	6.745	SA with Spil	1166.01	38.60	47.11		47.16	0.000578	1.72	678.57	136.77		0.14
ELDER	REACH1	6.745	SA NS 10YR	628.33	38.60	44.91		44.95	0.000694	1.55	406.20	109.98		0.14
ELDER	REACH1	6.745	SA-NOSpill	1140.92	38.60	47.00		47.04	0.000591	1.72	662.69	135.48		0.14
ELDER	REACH1	6.734	Stand10yr	610.13	38.50	44.79		44.82	0.000640	1.55	394.81	100.00		0.14
ELDER	REACH1	6.734	SA with Spil	1164.73	38.50	47.07		47.13	0.000541	1.84	633.86	107.54		0.13
ELDER	REACH1	6.734	SA NS 10YR	628.42	38.50	44.87		44.91	0.000637	1.56	403.44	100.66		0.14
ELDER	REACH1	6.734	SA-NOSpill	1140.57	38.50	46.96		47.01	0.000552	1.84	621.28	107.31		0.13
ELDER	REACH1	6.697	Stand10yr	610.20	38.40	44.79		44.80	0.000118	0.73	838.98	187.28		0.08
ELDER	REACH1	6.697	SA with Spil	1164.86	38.40	47.09		47.11	0.000116	0.90	1287.98	203.26		0.08
ELDER	REACH1	6.697	SA NS 10YR	628.50	38.40	44.88		44.89	0.000118	0.73	855.20	187.88		0.08
ELDER	REACH1	6.697	SA-NOSpill	1141.18	38.40	46.98		46.99	0.000118	0.90	1264.15	202.45		0.08
ELDER	REACH1	6.684	Stand10yr	610.22	38.30	44.77		44.79	0.000328	1.18	517.20	119.39		0.10
ELDER	REACH1	6.684	SA with Spil	1165.01	38.30	47.06		47.09	0.000384	1.40	833.54	168.33		0.11
ELDER	REACH1	6.684	SA NS 10YR	628.60	38.30	44.85		44.88	0.000328	1.19	527.52	120.08		0.10
ELDER	REACH1	6.684	SA-NOSpill	1140.90	38.30	46.94		46.97	0.000389	1.40	813.87	165.11		0.11
ELDER	REACH1	6.665	Stand10yr	610.46	38.30	44.69		44.74	0.000710	1.65	369.04	91.31		0.15
ELDER	REACH1	6.665	SA with Spil	1164.16	38.30	46.98		47.04	0.000646	1.95	598.28	107.17		0.15
ELDER	REACH1	6.665	SA NS 10YR	628.83	38.30	44.78		44.82	0.000709	1.67	376.92	92.02		0.15
ELDER	REACH1	6.665	SA-NOSpill	1141.40	38.30	46.86		46.92	0.000662	1.95	585.56	106.66		0.15
ELDER	REACH1	6.635	Stand10yr	610.70	38.20	44.58		44.62	0.000731	1.74	351.37	81.96		0.15
ELDER	REACH1	6.635	SA with Spil	1163.55	38.20	46.86		46.93	0.000716	2.10	554.31	95.46		0.15
ELDER	REACH1	6.635	SA NS 10YR	629.21	38.20	44.66		44.71	0.000733	1.76	358.41	82.46		0.15
ELDER	REACH1	6.635	SA-NOSpill	1141.75	38.20	46.74		46.81	0.000732	2.10	542.73	94.74		0.15
ELDER	REACH1	6.581	Stand10yr	611.24	38.00	44.36		44.40	0.000790	1.77	344.84	82.76		0.15
ELDER	REACH1	6.581	SA with Spil	1162.13	38.00	46.65		46.72	0.000742	2.11	551.68	97.22		0.16
ELDER	REACH1	6.581	SA NS 10YR	629.93	38.00	44.44		44.49	0.000791	1.79	351.92	83.29		0.15
ELDER	REACH1	6.581	SA-NOSpill	1142.26	38.00	46.53		46.60	0.000765	2.12	539.28	96.42		0.16
ELDER	REACH1	6.558	Stand10yr	611.45	37.90	44.28		44.32	0.000595	1.55	395.01	94.28		0.13
ELDER	REACH1	6.558	SA with Spil	1161.30	37.90	46.59		46.65	0.000552	1.84	632.57	109.68		0.13
ELDER	REACH1	6.558	SA NS 10YR	630.21	37.90	44.37		44.41	0.000597	1.56	403.08	94.93		0.13
ELDER	REACH1	6.558	SA-NOSpill	1142.36	37.90	46.46		46.52	0.000573	1.85	618.26	109.29		0.14
ELDER	REACH1	6.536	Stand10yr	611.73	37.80	44.19		44.24	0.000793	1.78	344.07	167.90		0.15
ELDER	REACH1	6.536	SA with Spil	1160.51	37.80	46.50		46.57	0.000748	2.10	553.71	200.11		0.16
ELDER	REACH1	6.536	SA NS 10YR	630.52	37.80	44.28		44.33	0.000795	1.80	351.11	169.06		0.15
ELDER	REACH1	6.536	SA-NOSpill	1142.95	37.80	46.37		46.44	0.000777	2.11	540.45	198.39		0.16
ELDER	REACH1	6.522	Stand10yr	611.84	37.80	44.14		44.18	0.000782	1.73	353.48	87.72		0.15
ELDER	REACH1	6.522	SA with Spil	1159.51	37.80	46.46		46.52	0.000704	2.01	578.09	131.63		0.15
ELDER	REACH1	6.522	SA NS 10YR	630.70	37.80	44.22		44.27	0.000783	1.75	360.95	88.39		0.15
ELDER	REACH1	6.522	SA-NOSpill	1142.82	37.80	46.32		46.38	0.000734	2.03	563.68	129.96		0.15
ELDER	REACH1	6.504	Stand10yr	612.02	37.70	44.08		44.11	0.000637	1.49	410.58	110.09		0.14
ELDER	REACH1	6.504	SA with Spil	1159.93	37.70	46.42		46.46	0.000510	1.65	701.12	135.64		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 # CH
ELDER	REACH1	6.504	SA NS 10YR	630.93	37.70	44.16		44.20	0.000636	1.50	420.00	111.16	0.14
ELDER	REACH1	6.504	SA-NOSpill	1143.30	37.70	46.28		46.32	0.000539	1.68	682.27	135.13	0.13
ELDER	REACH1	6.470	Stand10yr	612.39	37.60	43.93		43.99	0.000814	1.81	338.70	80.69	0.16
ELDER	REACH1	6.470	SA with Spil	1158.26	37.60	46.28		46.35	0.000748	2.12	545.07	94.97	0.16
ELDER	REACH1	6.470	SA NS 10YR	631.39	37.60	44.02		44.07	0.000817	1.83	345.54	81.23	0.16
ELDER	REACH1	6.470	SA-NOSpill	1143.72	37.60	46.13		46.20	0.000786	2.15	531.24	94.38	0.16
ELDER	REACH1	6.416	Stand10yr	613.01	37.40	43.70		43.75	0.000831	1.83	335.74	79.93	0.16
ELDER	REACH1	6.416	SA with Spil	1155.93	37.40	46.06		46.13	0.000746	2.14	541.38	92.94	0.16
ELDER	REACH1	6.416	SA NS 10YR	632.12	37.40	43.78		43.84	0.000835	1.85	342.43	80.44	0.16
ELDER	REACH1	6.416	SA-NOSpill	1144.23	37.40	45.90		45.98	0.000792	2.17	526.65	92.29	0.16
ELDER	REACH1	6.375	Stand10yr	613.47	37.20	43.53		43.58	0.000774	1.70	361.51	91.81	0.15
ELDER	REACH1	6.375	SA with Spil	1154.55	37.20	45.93		45.99	0.000637	1.90	606.11	110.85	0.14
ELDER	REACH1	6.375	SA NS 10YR	632.68	37.20	43.62		43.66	0.000776	1.71	369.16	92.56	0.15
ELDER	REACH1	6.375	SA-NOSpill	1144.82	37.20	45.76		45.82	0.000686	1.95	587.42	109.78	0.15
ELDER	REACH1	6.344	Stand10yr	613.82	37.10	43.40		43.45	0.000836	1.80	340.80	83.17	0.16
ELDER	REACH1	6.344	SA with Spil	1153.03	37.10	45.81		45.88	0.000708	2.05	561.24	98.47	0.15
ELDER	REACH1	6.344	SA NS 10YR	633.10	37.10	43.48		43.53	0.000840	1.82	347.46	83.75	0.16
ELDER	REACH1	6.344	SA-NOSpill	1145.18	37.10	45.63		45.70	0.000766	2.11	543.72	97.59	0.16
ELDER	REACH1	6.309	Stand10yr	614.25	37.00	43.24		43.29	0.000805	1.76	349.84	86.87	0.15
ELDER	REACH1	6.309	SA with Spil	1152.76	37.00	45.69		45.75	0.000654	1.97	584.32	103.50	0.15
ELDER	REACH1	6.309	SA NS 10YR	633.58	37.00	43.33		43.38	0.000809	1.77	356.96	87.49	0.15
ELDER	REACH1	6.309	SA-NOSpill	1145.67	37.00	45.50		45.56	0.000716	2.03	564.69	102.82	0.15
ELDER	REACH1	6.287	Stand10yr	614.50	37.00	43.14		43.20	0.000872	1.82	337.20	83.94	0.16
ELDER	REACH1	6.287	SA with Spil	1151.14	37.00	45.61		45.67	0.000706	2.04	565.23	101.39	0.15
ELDER	REACH1	6.287	SA NS 10YR	633.86	37.00	43.23		43.28	0.000876	1.84	344.02	84.51	0.16
ELDER	REACH1	6.287	SA-NOSpill	1145.83	37.00	45.41		45.48	0.000774	2.10	545.26	99.99	0.16
ELDER	REACH1	6.267	Stand10yr	614.74	36.90	43.05		43.10	0.000888	1.86	331.30	81.21	0.16
ELDER	REACH1	6.267	SA with Spil	1150.56	36.90	45.53		45.59	0.000723	2.08	552.28	97.12	0.15
ELDER	REACH1	6.267	SA NS 10YR	634.14	36.90	43.13		43.18	0.000893	1.88	337.85	81.73	0.16
ELDER	REACH1	6.267	SA-NOSpill	1145.96	36.90	45.32		45.39	0.000796	2.15	532.38	95.87	0.16
ELDER	REACH1	6.244	Stand10yr	615.02	36.80	42.93		42.99	0.000968	1.98	310.47	72.97	0.17
ELDER	REACH1	6.244	SA with Spil	1150.06	36.80	45.42		45.50	0.000799	2.28	504.58	81.36	0.16
ELDER	REACH1	6.244	SA NS 10YR	634.42	36.80	43.01		43.07	0.000976	2.01	316.28	73.35	0.17
ELDER	REACH1	6.244	SA-NOSpill	1146.54	36.80	45.21		45.29	0.000883	2.35	487.02	80.85	0.17
ELDER	REACH1	6.216	Stand10yr	615.14	36.80	42.79		42.84	0.000987	1.92	320.83	81.09	0.17
ELDER	REACH1	6.216	SA with Spil	1149.29	36.80	45.32		45.39	0.000740	2.10	547.17	96.29	0.16
ELDER	REACH1	6.216	SA NS 10YR	634.49	36.80	42.87		42.92	0.000992	1.94	327.23	81.62	0.17
ELDER	REACH1	6.216	SA-NOSpill	1146.47	36.80	45.09		45.16	0.000832	2.18	525.13	95.44	0.16
ELDER	REACH1	6.188	Stand10yr	615.26	36.70	42.63		42.69	0.001099	2.03	303.30	75.83	0.18
ELDER	REACH1	6.188	SA with Spil	1147.52	36.70	45.19		45.27	0.000810	2.23	515.61	87.60	0.16
ELDER	REACH1	6.188	SA NS 10YR	635.29	36.70	42.72		42.76	0.000779	1.73	310.22	76.35	0.15
ELDER	REACH1	6.188	SA-NOSpill	1146.42	36.70	44.95		45.03	0.000924	2.32	494.04	87.40	0.17
ELDER	REACH1	6.166	Stand10yr	615.35	36.60	42.52		42.57	0.000951	1.77	346.85	96.60	0.16
ELDER	REACH1	6.166	SA with Spil	1146.71	36.60	45.14		45.19	0.000576	1.83	626.05	112.10	0.14
ELDER	REACH1	6.166	SA NS 10YR	635.80	36.60	42.65		42.68	0.000656	1.49	358.74	97.90	0.14
ELDER	REACH1	6.166	SA-NOSpill	1146.31	36.60	44.88		44.94	0.000659	1.92	597.30	112.04	0.15
ELDER	REACH1	6.147	Stand10yr	615.41	36.50	42.42		42.47	0.001009	1.88	326.70	86.33	0.17
ELDER	REACH1	6.147	SA with Spil	1145.91	36.50	45.07		45.13	0.000647	2.01	569.90	94.30	0.14
ELDER	REACH1	6.147	SA NS 10YR	636.25	36.50	42.57		42.61	0.000678	1.58	340.26	87.07	0.14
ELDER	REACH1	6.147	SA-NOSpill	1146.51	36.50	44.80		44.87	0.000748	2.10	544.59	94.30	0.15
ELDER	REACH1	6.124	Stand10yr	615.50	36.40	42.31		42.36	0.000878	1.74	353.34	95.00	0.16
ELDER	REACH1	6.124	SA with Spil	1146.10	36.40	45.01		45.06	0.000537	1.80	635.51	110.40	0.13
ELDER	REACH1	6.124	SA NS 10YR	636.79	36.40	42.50		42.54	0.000578	1.44	371.82	96.78	0.13
ELDER	REACH1	6.124	SA-NOSpill	1146.47	36.40	44.73		44.79	0.000625	1.90	604.93	109.50	0.14
ELDER	REACH1	6.106	Stand10yr	615.58	36.30	42.28		42.30	0.000329	1.14	540.34	132.08	0.10
ELDER	REACH1	6.106	SA with Spil	1146.23	36.30	45.00		45.02	0.000225	1.25	913.69	142.69	0.09
ELDER	REACH1	6.106	SA NS 10YR	637.22	36.30	42.48		42.50	0.000215	0.95	567.39	132.87	0.08
ELDER	REACH1	6.106	SA-NOSpill	1146.66	36.30	44.72		44.74	0.000259	1.31	873.75	141.59	0.09
ELDER	REACH1	6.087	Stand10yr	615.61	36.20	42.24		42.27	0.000387	1.26	490.46	116.27	0.11
ELDER	REACH1	6.087	SA with Spil	1145.51	36.20	44.97		45.00	0.000277	1.39	821.82	126.78	0.10
ELDER	REACH1	6.087	SA NS 10YR	637.65	36.20	42.46		42.48	0.000252	1.04	515.86	117.11	0.09
ELDER	REACH1	6.087	SA-NOSpill	1146.85	36.20	44.68		44.72	0.000318	1.46	785.81	125.68	0.10
ELDER	REACH1	6.070	Stand10yr	615.68	36.20	42.18		42.22	0.000596	1.55	396.39	94.06	0.13
ELDER	REACH1	6.070	SA with Spil	1145.66	36.20	44.92		44.97	0.000419	1.73	663.60	99.40	0.12
ELDER	REACH1	6.070	SA NS 10YR	638.07	36.20	42.42		42.45	0.000384	1.28	418.85	94.76	0.11
ELDER	REACH1	6.070	SA-NOSpill	1147.04	36.20	44.63		44.68	0.000484	1.81	634.60	99.40	0.13
ELDER	REACH1	6.039	Stand10yr	615.68	36.00	42.03		42.09	0.001030	1.94	317.71	81.66	0.17
ELDER	REACH1	6.039	SA with Spil	1145.10	36.00	44.82		44.88	0.000641	2.06	555.74	87.60	0.14
ELDER	REACH1	6.039	SA NS 10YR	638.74	36.00	42.33		42.36	0.000629	1.58	341.93	82.55	0.14
ELDER	REACH1	6.039	SA-NOSpill	1147.34	36.00	44.51		44.58	0.000753	2.17	528.68	87.60	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	6.013	Stand10yr	615.54	35.99	41.63		41.91	0.001515	2.32	264.90	68.89	0.21
ELDER	REACH1	6.013	SA with Spil	1143.75	35.90	44.68		44.77	0.000908	2.40	475.84	76.70	0.17
ELDER	REACH1	6.013	SA NS 10YR	539.30	35.90	42.21		42.26	0.000880	1.85	291.26	70.64	0.16
ELDER	REACH1	6.013	SA-NOSpill	1147.48	35.90	44.35		44.45	0.001086	2.55	450.31	76.70	0.19
ELDER	REACH1	5.993	Culvert										
ELDER	REACH1	5.993	Stand10yr	614.76	35.70	41.52		41.61	0.001995	2.36	260.93	82.60	0.23
ELDER	REACH1	5.993	SA with Spil	1124.79	35.70	43.86		43.94	0.001153	2.33	483.58	102.10	0.19
ELDER	REACH1	5.993	SA NS 10YR	539.24	35.70	42.01		42.06	0.001027	1.78	302.66	88.57	0.17
ELDER	REACH1	5.993	SA-NOSpill	1146.81	35.70	43.52		43.62	0.001523	2.55	448.87	102.10	0.21
ELDER	REACH1	5.978	Stand10yr	614.41	35.60	41.40		41.47	0.001586	2.15	285.84	87.65	0.21
ELDER	REACH1	5.978	SA with Spil	1120.69	35.60	43.79		43.86	0.000944	2.12	528.51	111.30	0.17
ELDER	REACH1	5.978	SA NS 10YR	539.52	35.60	41.95		41.99	0.000786	1.61	335.99	94.25	0.15
ELDER	REACH1	5.978	SA-NOSpill	1146.75	35.60	43.42		43.51	0.001268	2.35	487.94	110.39	0.20
ELDER	REACH1	5.927	Stand10yr	612.04	35.30	41.06		41.11	0.001051	1.85	328.48	91.61	0.17
ELDER	REACH1	5.927	SA with Spil	1107.81	35.30	43.59		43.64	0.000667	1.87	591.17	116.09	0.15
ELDER	REACH1	5.927	SA NS 10YR	540.57	35.30	41.79		41.82	0.000477	1.36	398.16	98.70	0.12
ELDER	REACH1	5.927	SA-NOSpill	1146.61	35.30	43.14		43.21	0.000916	2.12	540.83	111.81	0.17
ELDER	REACH1	5.884	Stand10yr	302.24	34.80	41.00		41.01	0.000197	0.83	363.65	96.87	0.08
ELDER	REACH1	5.884	SA with Spil	816.62	34.80	43.51		43.53	0.000292	1.28	636.60	118.10	0.10
ELDER	REACH1	5.884	SA NS 10YR	541.48	34.80	41.70		41.72	0.000387	1.25	433.19	103.95	0.11
ELDER	REACH1	5.884	SA-NOSpill	1146.58	34.80	42.96		43.02	0.000793	2.00	572.76	115.89	0.16
ELDER	REACH1	5.845	Stand10yr	302.23	34.40	40.97		40.98	0.000157	0.78	389.88	97.26	0.07
ELDER	REACH1	5.845	SA with Spil	814.95	34.40	43.45		43.48	0.000253	1.24	657.55	114.60	0.09
ELDER	REACH1	5.845	SA NS 10YR	541.18	34.40	41.63		41.65	0.000326	1.19	455.78	103.53	0.10
ELDER	REACH1	5.845	SA-NOSpill	669.17	34.40	42.82		42.84	0.000241	1.14	586.23	112.41	0.09
ELDER	REACH2	5.779	Stand10yr	914.17	33.80	40.97		41.03	0.000927	2.02	451.72	101.02	0.17
ELDER	REACH2	5.779	SA with Spil	1835.62	33.80	43.45		43.55	0.000916	2.55	720.88	110.30	0.18
ELDER	REACH2	5.779	SA NS 10YR	1113.09	33.80	41.63		41.70	0.000928	2.14	519.96	106.93	0.17
ELDER	REACH2	5.779	SA-NOSpill	1538.18	33.80	42.82		42.91	0.000888	2.36	651.57	110.30	0.17
ELDER	REACH2	5.665	Stand10yr	913.69	33.30	40.40		40.46	0.000959	2.04	448.87	102.12	0.17
ELDER	REACH2	5.665	SA with Spil	1834.93	33.30	42.90		43.00	0.000920	2.55	720.71	110.40	0.18
ELDER	REACH2	5.665	SA NS 10YR	1112.41	33.30	41.06		41.13	0.000950	2.15	518.20	107.97	0.17
ELDER	REACH2	5.665	SA-NOSpill	1537.68	33.30	42.29		42.38	0.000882	2.35	653.58	110.40	0.17
ELDER	REACH2	5.591	Stand10yr	913.51	33.00	40.02		40.09	0.000982	2.05	444.78	101.63	0.17
ELDER	REACH2	5.591	SA with Spil	1834.30	33.00	42.54		42.64	0.000928	2.55	719.13	110.70	0.18
ELDER	REACH2	5.591	SA NS 10YR	1112.29	33.00	40.68		40.76	0.000971	2.16	514.22	107.77	0.17
ELDER	REACH2	5.591	SA-NOSpill	1537.46	33.00	41.95		42.03	0.000884	2.35	653.63	110.70	0.17
ELDER	REACH2	5.510	Stand10yr	913.45	32.60	39.75		39.85	0.000132	2.46	370.78	72.61	0.19
ELDER	REACH2	5.510	SA with Spil	1833.99	32.60	42.24		42.41	0.000156	3.29	557.52	77.10	0.22
ELDER	REACH2	5.510	SA NS 10YR	1112.21	32.60	40.41		40.52	0.000136	2.66	418.90	73.92	0.20
ELDER	REACH2	5.510	SA-NOSpill	1537.37	32.60	41.68		41.82	0.000140	2.99	514.04	76.45	0.20
ELDER	REACH2	5.450	Stand10yr	913.43	32.30	39.72		39.81	0.000114	2.37	385.38	70.24	0.18
ELDER	REACH2	5.450	SA with Spil	1833.98	32.30	42.20		42.36	0.000147	3.24	565.46	75.20	0.21
ELDER	REACH2	5.450	SA NS 10YR	1112.20	32.30	40.38		40.48	0.000121	2.58	431.81	71.55	0.18
ELDER	REACH2	5.450	SA-NOSpill	1537.37	32.30	41.64		41.77	0.000130	2.94	523.69	74.08	0.19
ELDER	REACH2	5.428	Stand10yr	913.43	32.20	39.71	35.39	39.80	0.000099	2.44	375.04	70.61	0.17
ELDER	REACH2	5.428	SA with Spil	1833.98	32.20	42.16	36.59	42.35	0.000130	3.50	524.56	75.51	0.21
ELDER	REACH2	5.428	SA NS 10YR	1112.19	32.20	40.36	35.67	40.47	0.000105	2.68	414.71	71.91	0.18
ELDER	REACH2	5.428	SA-NOSpill	1537.36	32.20	41.61	36.23	41.76	0.000114	3.13	491.02	74.41	0.19
ELDER	REACH2	5.414	Bridge										
ELDER	REACH2	5.402	Stand10yr	913.43	32.00	39.45		39.54	0.000838	2.35	387.89	88.25	0.17
ELDER	REACH2	5.402	SA with Spil	1833.85	32.00	41.87		42.05	0.001104	3.38	542.63	103.87	0.20
ELDER	REACH2	5.402	SA NS 10YR	1112.19	32.00	40.10		40.21	0.000886	2.59	429.27	92.40	0.18
ELDER	REACH2	5.402	SA-NOSpill	1537.33	32.00	41.34		41.48	0.000963	3.02	508.54	100.36	0.19
ELDER	REACH2	5.359	Stand10yr	913.41	31.70	39.29		39.35	0.000849	2.08	438.90	87.12	0.16
ELDER	REACH2	5.359	SA with Spil	1833.71	31.70	41.69		41.81	0.001053	2.75	666.30	101.91	0.19
ELDER	REACH2	5.359	SA NS 10YR	1112.18	31.70	39.93		40.01	0.000888	2.24	496.30	91.08	0.17
ELDER	REACH2	5.359	SA-NOSpill	1537.33	31.70	41.17		41.27	0.000929	2.50	614.33	98.72	0.18
ELDER	REACH2	5.307	Stand10yr	934.21	31.60	39.06		39.12	0.000839	2.00	466.77	98.20	0.16
ELDER	REACH2	5.307	SA with Spil	1842.83	31.60	41.43		41.54	0.000919	2.57	718.33	109.50	0.18
ELDER	REACH2	5.307	SA NS 10YR	1135.17	31.60	39.69		39.76	0.000863	2.14	530.99	103.31	0.17
ELDER	REACH2	5.307	SA-NOSpill	1583.11	31.60	40.93		41.02	0.000873	2.39	662.94	109.23	0.17
ELDER	REACH2	5.195	Stand10yr	936.22	31.20	38.58		38.63	0.000792	1.91	489.66	105.51	0.16
ELDER	REACH2	5.195	SA with Spil	1843.46	31.20	40.92		41.02	0.000841	2.47	746.33	111.30	0.17
ELDER	REACH2	5.195	SA NS 10YR	1137.42	31.20	39.21		39.27	0.000791	2.04	557.05	108.08	0.16
ELDER	REACH2	5.195	SA-NOSpill	1587.94	31.20	40.44		40.52	0.000789	2.29	693.12	111.30	0.16
ELDER	REACH2	5.113	Stand10yr	937.88	30.90	38.20		38.27	0.000906	2.02	463.27	101.72	0.17
ELDER	REACH2	5.113	SA with Spil	1843.95	30.90	40.52		40.63	0.000963	2.57	717.21	113.10	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	5.113	SA NS 10YR	1139.21	30.90	38.83		38.90	0.00924	2.15	528.77	107.31	0.17
ELDER	REACH2	5.113	SA-NOSpill	1591.40	30.90	40.07		40.16	0.00910	2.39	665.73	113.10	0.17
ELDER	REACH2	5.056	Stand10yr	939.03	30.70	37.93		37.99	0.00895	1.97	476.18	107.98	0.17
ELDER	REACH2	5.056	SA with Spil	1844.42	30.70	40.25		40.34	0.00920	2.47	745.23	120.80	0.18
ELDER	REACH2	5.056	SA NS 10YR	1140.44	30.70	38.56		38.62	0.00906	2.09	545.45	114.29	0.17
ELDER	REACH2	5.056	SA-NOSpill	1593.82	30.70	39.80		39.89	0.00865	2.30	692.13	120.04	0.17
ELDER	REACH2	5.009	Stand10yr	939.99	30.60	37.68		37.75	0.01051	2.14	439.52	99.30	0.18
ELDER	REACH2	5.009	SA with Spil	1844.70	30.60	39.97		40.09	0.01102	2.71	681.68	110.10	0.19
ELDER	REACH2	5.009	SA NS 10YR	1141.47	30.60	38.30		38.38	0.01054	2.27	502.69	103.77	0.18
ELDER	REACH2	5.009	SA-NOSpill	1595.90	30.60	39.55		39.65	0.01015	2.51	635.82	108.51	0.18
ELDER	REACH2	4.998	Stand10yr	940.22	30.50	37.66		37.70	0.00951	1.72	547.95	120.74	0.14
ELDER	REACH2	4.998	SA with Spil	1844.80	30.50	39.96		40.04	0.00990	2.19	841.38	132.05	0.15
ELDER	REACH2	4.998	SA NS 10YR	1141.71	30.50	38.28		38.33	0.00953	1.83	624.88	125.34	0.14
ELDER	REACH2	4.998	SA-NOSpill	1596.40	30.50	39.54		39.61	0.00935	2.03	786.17	130.37	0.15
ELDER	REACH2	4.945	Stand10yr	941.32	30.30	37.40		37.47	0.01030	2.10	448.79	102.95	0.18
ELDER	REACH2	4.945	SA with Spil	1845.16	30.30	39.89		39.80	0.01027	2.65	695.78	108.70	0.18
ELDER	REACH2	4.945	SA NS 10YR	1142.92	30.30	38.02		38.09	0.01037	2.22	514.36	108.70	0.18
ELDER	REACH2	4.945	SA-NOSpill	1598.62	30.30	39.29		39.38	0.00945	2.45	652.71	108.70	0.18
ELDER	REACH2	4.887	Stand10yr	957.27	30.10	37.13		37.19	0.00773	1.89	505.42	106.42	0.15
ELDER	REACH2	4.887	SA with Spil	1851.20	30.10	39.42		39.51	0.00827	2.45	755.98	110.40	0.16
ELDER	REACH2	4.887	SA NS 10YR	1160.28	30.10	37.75		37.81	0.00784	2.03	571.91	109.25	0.16
ELDER	REACH2	4.887	SA-NOSpill	1633.32	30.10	39.04		39.12	0.00773	2.29	713.72	110.40	0.16
ELDER	REACH2	4.810	Stand10yr	958.83	30.50	36.66		36.75	0.01361	2.48	386.08	84.42	0.20
ELDER	REACH2	4.810	SA with Spil	1851.73	30.50	38.88		39.03	0.01548	3.14	590.31	99.82	0.23
ELDER	REACH2	4.810	SA NS 10YR	1161.95	30.50	37.26		37.37	0.01401	2.65	438.08	88.60	0.21
ELDER	REACH2	4.810	SA-NOSpill	1635.16	30.50	38.54		38.67	0.01419	2.94	556.84	97.47	0.22
ELDER	REACH2	4.795	Stand10yr	959.11	30.50	36.56		36.67	0.00782	2.73	351.76	81.15	0.23
ELDER	REACH2	4.795	SA with Spil	1851.79	30.50	38.79		38.94	0.00776	3.18	663.93	240.31	0.24
ELDER	REACH2	4.795	SA NS 10YR	1162.27	30.50	37.15		37.28	0.00838	2.89	402.74	89.90	0.24
ELDER	REACH2	4.795	SA-NOSpill	1635.50	30.50	38.45		38.59	0.00779	3.05	583.06	229.05	0.24
ELDER	REACH2	4.713	Stand10yr	960.84	29.84	36.28		36.40	0.00463	2.76	347.56	81.55	0.24
ELDER	REACH2	4.713	SA with Spil	1852.96	29.84	38.49		38.67	0.00475	3.35	568.81	148.12	0.25
ELDER	REACH2	4.713	SA NS 10YR	1164.10	29.84	36.86		36.99	0.00482	2.94	396.57	87.60	0.24
ELDER	REACH2	4.713	SA-NOSpill	1638.60	29.84	38.16		38.31	0.00458	3.16	522.86	128.30	0.24
ELDER	REACH2	4.693	Stand10yr	961.38	29.90	36.16	33.54	36.33	0.00759	3.39	283.86	71.10	0.30
ELDER	REACH2	4.693	SA with Spil	1852.82	29.90	38.34	34.75	38.60	0.00740	4.09	452.47	83.10	0.31
ELDER	REACH2	4.693	SA NS 10YR	1164.67	29.90	36.73	33.85	36.93	0.00749	3.58	325.54	74.25	0.30
ELDER	REACH2	4.693	SA-NOSpill	1639.19	29.90	38.03	34.49	38.25	0.00686	3.84	426.34	81.36	0.30
ELDER	REACH2	4.684	Bridge										
ELDER	REACH2	4.671	Stand10yr	961.38	29.90	35.92		36.12	0.00906	3.60	267.07	69.80	0.32
ELDER	REACH2	4.671	SA with Spil	1852.72	29.90	38.11		38.39	0.00839	4.28	432.88	81.80	0.33
ELDER	REACH2	4.671	SA NS 10YR	1164.65	29.90	36.50		36.72	0.00876	3.78	308.45	72.98	0.32
ELDER	REACH2	4.671	SA-NOSpill	1638.33	29.90	37.81		38.06	0.00771	4.00	409.09	80.19	0.31
ELDER	REACH2	4.642	Stand10yr	961.37	30.00	35.89		36.01	0.00495	2.75	349.43	87.16	0.24
ELDER	REACH2	4.642	SA with Spil	1852.72	30.00	38.13		38.28	0.00508	3.19	586.58	174.14	0.25
ELDER	REACH2	4.642	SA NS 10YR	1164.65	30.00	36.48		36.61	0.00509	2.89	403.00	95.38	0.25
ELDER	REACH2	4.642	SA-NOSpill	1638.61	30.00	37.82		37.96	0.00477	3.01	544.47	115.62	0.24
ELDER	REACH2	4.564	Stand10yr	972.79	28.70	35.45		35.70	0.00996	4.08	238.68	54.07	0.34
ELDER	REACH2	4.564	SA with Spil	1856.96	28.70	37.54		37.91	0.01373	4.85	382.97	85.90	0.40
ELDER	REACH2	4.564	SA NS 10YR	1176.58	28.70	35.98		36.27	0.01138	4.37	269.14	60.66	0.37
ELDER	REACH2	4.564	SA-NOSpill	1657.43	28.70	37.29		37.61	0.01233	4.58	361.84	81.38	0.38
ELDER	REACH2	4.485	Stand10yr	985.27	28.60	34.87		35.14	0.01658	4.21	233.80	75.40	0.42
ELDER	REACH2	4.485	SA with Spil	1860.75	28.60	37.09		37.37	0.01163	4.30	432.82	104.24	0.37
ELDER	REACH2	4.485	SA NS 10YR	1189.59	28.60	35.43		35.71	0.01533	4.28	277.67	82.46	0.41
ELDER	REACH2	4.485	SA-NOSpill	1677.90	28.60	36.86		37.12	0.01097	4.10	409.28	101.23	0.36
ELDER	REACH2	4.437	Stand10yr	985.26	28.40	34.75		34.87	0.00460	2.78	354.01	81.99	0.24
ELDER	REACH2	4.437	SA with Spil	1860.67	28.40	36.99		37.16	0.00494	3.30	563.05	106.37	0.25
ELDER	REACH2	4.437	SA NS 10YR	1189.57	28.40	35.32		35.45	0.00478	2.96	401.84	87.27	0.24
ELDER	REACH2	4.437	SA-NOSpill	1677.48	28.40	36.77		36.92	0.00446	3.11	539.85	103.58	0.24
ELDER	REACH2	4.391	Stand10yr	985.25	28.30	34.62		34.75	0.00502	2.91	338.26	77.74	0.25
ELDER	REACH2	4.391	SA with Spil	1860.59	28.30	36.91		37.05	0.00478	3.11	876.77	497.55	0.25
ELDER	REACH2	4.391	SA NS 10YR	1189.55	28.30	35.18		35.33	0.00516	3.11	382.72	81.38	0.25
ELDER	REACH2	4.391	SA-NOSpill	1677.42	28.30	36.68		36.82	0.00463	3.03	764.75	482.56	0.24
ELDER	REACH2	4.343	Stand10yr	992.25	28.20	34.48		34.62	0.00561	2.98	333.17	80.75	0.26
ELDER	REACH2	4.343	SA with Spil	1863.61	28.20	36.71		36.90	0.00568	3.48	535.21	103.52	0.27
ELDER	REACH2	4.343	SA NS 10YR	1197.15	28.20	35.04		35.19	0.00569	3.16	379.42	85.18	0.26
ELDER	REACH2	4.343	SA-NOSpill	1690.80	28.20	36.51		36.67	0.00514	3.28	514.68	100.86	0.26
ELDER	REACH2	4.240	Stand10yr	1000.16	28.10	33.94	31.54	34.18	0.01041	3.93	254.30	64.05	0.35
ELDER	REACH2	4.240	SA with Spil	1867.10	28.10	36.19	32.79	36.44	0.01143	4.02	540.45	554.89	0.36

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 # CH
ELDER	REACH2	4.240	SA NS 10YR	1205.76	28.10	34.43	31.86	34.71	0.001205	4.20	286.83	73.05	0.37
ELDER	REACH2	4.240	SA-NOSpill	1705.78	28.10	35.98	32.57	36.22	0.001159	3.95	432.27	118.46	0.36
ELDER	REACH2	4.239	Bridge										
ELDER	REACH2	4.229	Stand10yr	1000.10	28.10	33.75		34.01	0.001199	4.13	242.04	62.98	0.37
ELDER	REACH2	4.229	SA with Spil	1867.04	28.10	35.45		35.83	0.001800	4.98	374.91	100.57	0.45
ELDER	REACH2	4.229	SA NS 10YR	1205.70	28.10	34.22		34.53	0.001240	4.42	272.67	65.64	0.38
ELDER	REACH2	4.229	SA-NOSpill	1705.78	28.10	35.18		35.55	0.001734	4.50	348.42	93.15	0.45
ELDER	REACH2	4.221	Stand10yr	1000.10	28.00	33.87		33.97	0.000395	2.52	396.94	95.83	0.22
ELDER	REACH2	4.221	SA with Spil	1867.07	28.00	35.62		35.77	0.000554	3.19	584.51	127.54	0.26
ELDER	REACH2	4.221	SA NS 10YR	1205.70	28.00	34.37		34.48	0.000418	2.70	445.81	100.95	0.23
ELDER	REACH2	4.221	SA-NOSpill	1705.78	28.00	35.34		35.49	0.000509	3.10	550.73	117.93	0.25
ELDER	REACH2	4.156	Stand10yr	1000.08	28.00	33.76		33.84	0.000343	2.36	423.71	101.50	0.20
ELDER	REACH2	4.156	SA with Spil	1867.05	28.00	35.46		35.60	0.000455	3.03	615.80	125.20	0.24
ELDER	REACH2	4.156	SA NS 10YR	1205.69	28.00	34.25		34.35	0.000369	2.54	474.78	107.50	0.21
ELDER	REACH2	4.156	SA-NOSpill	1705.77	28.00	35.19		35.33	0.000437	2.92	583.28	121.37	0.24
ELDER	REACH2	4.112	Stand10yr	1000.07	28.00	33.32	31.46	33.63	0.001690	4.47	223.76	67.61	0.43
ELDER	REACH2	4.112	SA with Spil	1867.04	28.00	34.92	32.78	35.38	0.001655	5.49	340.30	672.79	0.45
ELDER	REACH2	4.112	SA NS 10YR	1205.68	28.00	33.78	31.82	34.13	0.001707	4.70	256.34	72.25	0.44
ELDER	REACH2	4.112	SA-NOSpill	1705.76	28.00	34.67	32.96	35.11	0.001654	5.29	322.40	666.09	0.45
ELDER	REACH2	4.105	Bridge										
ELDER	REACH2	4.097	Stand10yr	1000.07	28.00	29.92	31.46	35.08	0.004520	19.92	50.21	34.95	2.93
ELDER	REACH2	4.097	SA with Spil	1866.58	28.00	30.67	32.78	39.31	0.053388	23.58	79.14	42.00	3.03
ELDER	REACH2	4.097	SA NS 10YR	1205.67	28.00	30.13	31.82	36.91	0.053675	20.90	57.68	36.89	2.95
ELDER	REACH2	4.097	SA-NOSpill	1705.21	28.00	31.31	32.56	35.18	0.018906	15.78	108.05	48.04	1.85
ELDER	REACH2	4.06	Stand10yr	1000.07	21.50	27.49		27.65	0.000301	3.25	307.48	63.73	0.26
ELDER	REACH2	4.06	SA with Spil	1866.07	21.50	29.67		29.93	0.000339	4.09	455.82	72.51	0.29
ELDER	REACH2	4.06	SA NS 10YR	1205.65	21.50	28.10		28.29	0.000308	3.47	347.35	66.20	0.27
ELDER	REACH2	4.06	SA-NOSpill	1703.97	21.50	29.44		29.68	0.000313	3.88	439.68	71.60	0.28
ELDER	REACH2	4.009	Stand10yr	1006.14	21.30	27.41		27.57	0.000287	3.22	312.77	63.52	0.26
ELDER	REACH2	4.009	SA with Spil	1868.61	21.30	29.58		29.84	0.000327	4.07	459.36	71.70	0.28
ELDER	REACH2	4.009	SA NS 10YR	1212.46	21.30	28.02		28.21	0.000295	3.44	352.30	65.83	0.26
ELDER	REACH2	4.009	SA-NOSpill	1717.41	21.30	29.36		29.59	0.000306	3.87	443.42	70.85	0.27
ELDER	REACH2	3.958	Stand10yr	1012.15	21.10	27.34		27.50	0.000274	3.19	317.57	62.92	0.25
ELDER	REACH2	3.958	SA with Spil	1871.04	21.10	29.49		29.75	0.000318	4.05	461.57	70.61	0.28
ELDER	REACH2	3.958	SA NS 10YR	1219.25	21.10	27.95		28.13	0.000284	3.42	356.47	65.09	0.26
ELDER	REACH2	3.958	SA-NOSpill	1730.72	21.10	29.27		29.50	0.000300	3.88	445.83	69.81	0.27
ELDER	REACH2	3.855	Stand10yr	1024.00	20.70	27.19		27.35	0.000255	3.15	324.60	60.91	0.24
ELDER	REACH2	3.855	SA with Spil	1876.12	20.70	29.32		29.58	0.000310	4.06	461.56	67.86	0.27
ELDER	REACH2	3.855	SA NS 10YR	1232.60	20.70	27.79		27.97	0.000270	3.41	361.65	62.86	0.25
ELDER	REACH2	3.855	SA-NOSpill	1756.95	20.70	29.09		29.33	0.000300	3.94	446.18	67.12	0.27
ELDER	REACH2	3.842	Stand10yr	1024.00	20.70	27.17		27.33	0.000293	3.24	316.25	63.98	0.26
ELDER	REACH2	3.842	SA with Spil	1876.12	20.70	29.31		29.56	0.000352	4.00	468.94	79.44	0.29
ELDER	REACH2	3.842	SA NS 10YR	1232.60	20.70	27.77		27.95	0.000308	3.47	355.59	67.36	0.27
ELDER	REACH2	3.842	SA-NOSpill	1756.95	20.70	29.08		29.31	0.000343	3.90	450.82	77.86	0.29
ELDER	REACH2	3.832	Stand10yr	1023.90	20.60	27.13	23.56	27.31	0.000329	3.44	297.73	60.29	0.27
ELDER	REACH2	3.832	SA with Spil	1876.04	20.60	29.25	24.94	29.54	0.000379	4.32	434.70	69.14	0.30
ELDER	REACH2	3.832	SA NS 10YR	1232.60	20.60	27.73	23.93	27.94	0.000342	3.69	334.37	62.76	0.28
ELDER	REACH2	3.832	SA-NOSpill	1756.94	20.60	29.02	24.76	29.29	0.000368	4.19	419.18	68.19	0.30
ELDER	REACH2	3.825	Bridge										
ELDER	REACH2	3.816	Stand10yr	1023.80	20.60	27.04		27.23	0.000346	3.50	292.46	59.92	0.28
ELDER	REACH2	3.816	SA with Spil	1875.95	20.60	29.14		29.44	0.000398	4.39	427.07	68.67	0.31
ELDER	REACH2	3.816	SA NS 10YR	1232.50	20.60	27.63		27.85	0.000350	3.75	328.36	62.36	0.29
ELDER	REACH2	3.816	SA-NOSpill	1756.94	20.60	28.91		29.20	0.000386	4.27	411.90	67.74	0.30
ELDER	REACH2	3.808	Stand10yr	1023.80	20.50	26.98		27.22	0.000471	3.89	263.33	58.09	0.32
ELDER	REACH2	3.808	SA with Spil	1875.95	20.50	29.06		29.42	0.000504	4.77	393.09	66.53	0.35
ELDER	REACH2	3.808	SA NS 10YR	1232.50	20.50	27.56		27.83	0.000478	4.14	297.96	60.46	0.33
ELDER	REACH2	3.808	SA-NOSpill	1756.90	20.50	28.84		29.18	0.000491	4.64	378.57	65.64	0.34
ELDER	REACH2	3.746	Stand10yr	1023.68	20.40	26.82		27.06	0.000478	3.91	261.73	57.84	0.32
ELDER	REACH2	3.746	SA with Spil	1875.86	20.40	28.89		29.25	0.000513	4.81	389.95	66.13	0.35
ELDER	REACH2	3.746	SA NS 10YR	1232.39	20.40	27.40		27.67	0.000486	4.16	296.01	60.17	0.33
ELDER	REACH2	3.746	SA-NOSpill	1756.92	20.40	28.68		29.02	0.000500	4.67	375.83	65.27	0.34
ELDER	REACH2	3.698	Stand10yr	1023.59	20.30	26.71		26.94	0.000471	3.89	263.35	58.13	0.32
ELDER	REACH2	3.698	SA with Spil	1875.78	20.30	28.76		29.12	0.000509	4.79	391.64	66.45	0.35
ELDER	REACH2	3.698	SA NS 10YR	1232.38	20.30	27.28		27.55	0.000460	4.14	297.69	60.47	0.33
ELDER	REACH2	3.698	SA-NOSpill	1756.90	20.30	28.55		28.89	0.000495	4.65	377.70	65.60	0.34
ELDER	REACH2	3.657	Stand10yr	1023.58	20.10	26.61		26.84	0.000462	3.86	265.14	58.29	0.32
ELDER	REACH2	3.657	SA with Spil	1875.77	20.10	28.66		29.01	0.000504	4.77	393.19	66.62	0.35
ELDER	REACH2	3.657	SA NS 10YR	1232.37	20.10	27.18		27.45	0.000472	4.12	299.43	60.63	0.33

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 # CH
ELDER	REACH2	3.657	SA-NOSpill	1756.89	20.10	28.45		28.78	0.000489	4.63	379.44	65.78	0.34
ELDER	REACH2	3.59	Stand10yr	1023.50	20.00	26.45		26.68	0.000456	3.85	285.66	57.99	0.32
ELDER	REACH2	3.59	SA with Spill	1875.70	20.00	28.48		28.83	0.000506	4.79	391.62	66.08	0.35
ELDER	REACH2	3.59	SA NS 10YR	1232.30	20.00	27.02		27.28	0.000469	4.11	299.48	60.27	0.33
ELDER	REACH2	3.59	SA-NOSpill	1756.88	20.00	28.28		28.61	0.000489	4.64	378.40	65.28	0.34
ELDER	REACH2	3.496	Stand10yr	1023.49	19.70	26.21	23.20	26.45	0.000453	3.93	260.19	54.27	0.32
ELDER	REACH2	3.496	SA with Spill	1875.63	19.70	28.18	24.53	28.57	0.000539	5.02	373.77	60.94	0.36
ELDER	REACH2	3.496	SA NS 10YR	1232.28	19.70	26.77	23.56	27.05	0.000476	4.24	290.96	56.15	0.33
ELDER	REACH2	3.496	SA-NOSpill	1756.79	19.70	28.00	24.36	28.38	0.000516	4.85	352.45	60.31	0.35
ELDER	REACH2	3.490	Bridge										
ELDER	REACH2	3.483	Stand10yr	1023.45	19.60	26.06		26.30	0.000469	3.96	258.55	54.83	0.32
ELDER	REACH2	3.483	SA with Spill	1875.57	19.60	27.99		28.39	0.000560	5.06	370.96	61.57	0.36
ELDER	REACH2	3.483	SA NS 10YR	1176.27	19.60	26.61		26.87	0.000447	4.06	289.47	56.77	0.32
ELDER	REACH2	3.483	SA-NOSpill	1756.68	19.60	27.81		28.18	0.000535	4.88	359.94	60.94	0.35
ELDER	REACH2	3.442	Stand10yr	1023.44	19.50	26.10	22.68	26.22	0.000248	2.83	362.12	81.67	0.24
ELDER	REACH2	3.442	SA with Spill	1875.61	19.50	28.10	23.82	28.29	0.000271	3.48	538.37	94.48	0.28
ELDER	REACH2	3.442	SA NS 10YR	1176.26	19.50	26.66	22.91	26.79	0.000231	2.87	409.44	85.20	0.23
ELDER	REACH2	3.442	SA-NOSpill	1756.79	19.50	27.91	23.67	28.09	0.000261	3.38	520.43	93.14	0.25
ELDER	REACH2	3.431	Bridge										
ELDER	REACH2	3.420	Stand10yr	1023.40	19.50	25.98		26.11	0.000267	2.90	352.75	80.94	0.24
ELDER	REACH2	3.420	SA with Spill	1875.51	19.50	27.98		28.17	0.000288	3.56	526.52	93.60	0.26
ELDER	REACH2	3.420	SA NS 10YR	1176.26	19.50	26.56		26.69	0.000245	2.94	400.56	84.57	0.24
ELDER	REACH2	3.420	SA-NOSpill	1756.79	19.50	27.79		27.98	0.000277	3.45	509.22	92.28	0.26
ELDER	REACH2	3.419	Stand10yr	1023.40	19.50	25.98		26.11	0.000268	2.87	356.86	83.66	0.24
ELDER	REACH2	3.419	SA with Spill	1875.51	19.50	27.98		28.17	0.000285	3.47	540.06	99.39	0.26
ELDER	REACH2	3.419	SA NS 10YR	1176.26	19.50	26.56		26.69	0.000246	2.89	406.57	88.18	0.24
ELDER	REACH2	3.419	SA-NOSpill	1756.79	19.50	27.80		27.97	0.000276	3.37	521.60	97.95	0.26
ELDER	REACH2	3.286	Stand10yr	1023.39	18.90	25.36		25.73	0.000872	4.91	208.63	52.01	0.43
ELDER	REACH2	3.286	SA with Spill	1875.40	18.90	27.21		27.77	0.000947	5.97	314.17	61.74	0.47
ELDER	REACH2	3.286	SA NS 10YR	1175.69	18.90	25.99		26.36	0.000756	4.84	242.77	55.28	0.41
ELDER	REACH2	3.286	SA-NOSpill	1755.30	18.90	27.07		27.59	0.000894	5.74	305.63	61.00	0.45
ELDER	REACH2	3.141	Stand10yr	1037.44	18.30	24.43		24.90	0.001278	5.47	189.70	53.93	0.51
ELDER	REACH2	3.141	SA with Spill	1882.72	18.30	26.39		26.97	0.001132	6.06	310.43	68.96	0.50
ELDER	REACH2	3.141	SA NS 10YR	1253.01	18.30	25.11		25.58	0.001145	5.50	227.98	59.25	0.49
ELDER	REACH2	3.141	SA-NOSpill	1788.27	18.30	26.26		26.80	0.001116	5.95	300.27	67.76	0.50
ELDER	REACH2	3.092	Stand10yr	1037.44	18.30	24.46	21.37	24.67	0.000383	3.64	285.07	59.52	0.29
ELDER	REACH2	3.092	SA with Spill	1882.72	18.30	26.43	22.60	26.76	0.000448	4.61	408.73	66.73	0.33
ELDER	REACH2	3.092	SA NS 10YR	1252.95	18.30	25.14	21.71	25.37	0.000378	3.84	326.21	61.90	0.29
ELDER	REACH2	3.092	SA-NOSpill	1788.25	18.30	26.28	22.48	26.59	0.000433	4.48	398.90	66.10	0.32
ELDER	REACH2	3.081	Bridge										
ELDER	REACH2	3.071	Stand10yr	1037.44	18.30	24.36		24.57	0.000410	3.72	278.66	59.14	0.30
ELDER	REACH2	3.071	SA with Spill	1882.68	18.30	26.28		26.63	0.000479	4.72	398.95	66.11	0.34
ELDER	REACH2	3.071	SA NS 10YR	1252.98	18.30	25.03		25.27	0.000401	3.92	319.63	61.52	0.30
ELDER	REACH2	3.071	SA-NOSpill	1788.25	18.30	26.14		26.47	0.000461	4.58	390.04	65.53	0.33
ELDER	REACH2	3.07	Stand10yr	1037.42	18.20	23.95		24.60	0.001800	6.44	161.13	46.02	0.61
ELDER	REACH2	3.07	SA with Spill	1882.59	18.20	25.81		26.64	0.001676	7.31	257.48	57.45	0.61
ELDER	REACH2	3.07	SA NS 10YR	1252.98	18.20	24.65		25.29	0.001578	6.43	194.72	50.38	0.58
ELDER	REACH2	3.07	SA-NOSpill	1788.16	18.20	25.70		26.49	0.001616	7.12	251.23	56.81	0.60
ELDER	REACH2	3.01	Stand10yr	1037.41	18.00	23.85		24.19	0.000742	4.63	224.26	53.99	0.40
ELDER	REACH2	3.01	SA with Spill	1882.59	18.00	25.76		26.25	0.000788	5.62	335.23	62.62	0.43
ELDER	REACH2	3.01	SA NS 10YR	1252.87	18.00	24.58		24.93	0.000676	4.73	264.73	57.27	0.39
ELDER	REACH2	3.01	SA-NOSpill	1788.03	18.00	25.65		26.11	0.000753	5.45	328.31	62.12	0.42
ELDER	REACH2	2.944	Stand10yr	1040.76	17.20	23.22		23.79	0.001524	6.09	171.03	46.84	0.56
ELDER	REACH2	2.944	SA with Spill	1884.38	17.20	25.10		25.86	0.001466	6.98	270.06	58.37	0.57
ELDER	REACH2	2.944	SA NS 10YR	1270.90	17.20	24.00		24.57	0.001316	6.06	209.60	51.64	0.53
ELDER	REACH2	2.944	SA-NOSpill	1794.87	17.20	25.02		25.73	0.001391	6.76	265.54	57.89	0.56
ELDER	REACH2	2.861	Stand10yr	1044.97	16.85	22.64		23.17	0.001302	5.82	179.45	46.45	0.52
ELDER	REACH2	2.861	SA with Spill	1854.04	16.85	24.54		25.23	0.001256	6.69	277.17	56.51	0.53
ELDER	REACH2	2.861	SA NS 10YR	1293.64	16.85	23.48		24.01	0.001146	5.88	220.00	50.90	0.50
ELDER	REACH2	2.861	SA-NOSpill	1803.66	16.85	24.48		25.15	0.001233	6.59	273.53	56.19	0.53
ELDER	REACH2	2.794	Stand10yr	1048.37	16.50	22.73		22.83	0.000212	2.51	417.77	101.53	0.22
ELDER	REACH2	2.794	SA with Spill	1858.47	16.50	24.76		24.89	0.000196	2.91	638.86	117.02	0.22
ELDER	REACH2	2.794	SA NS 10YR	1311.98	16.50	23.60		23.70	0.000188	2.58	508.60	108.32	0.21
ELDER	REACH2	2.794	SA-NOSpill	1810.79	16.50	24.68		24.81	0.000194	2.87	630.16	116.46	0.22
ELDER	REACH2	2.736	Stand10yr	1048.32	16.38	22.36		22.71	0.000751	4.70	223.27	52.96	0.40
ELDER	REACH2	2.736	SA with Spill	1857.15	16.38	24.29		24.78	0.000751	5.60	331.89	59.80	0.42
ELDER	REACH2	2.736	SA NS 10YR	1311.16	16.38	23.23		23.60	0.000674	4.85	270.41	56.03	0.39
ELDER	REACH2	2.736	SA-NOSpill	1810.68	16.38	24.23		24.70	0.000737	5.52	328.16	59.58	0.41

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	2.673	Stand10yr	1052.55	16.00	22.10	19.72	22.46	0.000731	4.82	218.44	48.35	0.40
ELDER	REACH2	2.673	SA with Spill	1863.00	16.00	23.97	21.06	24.51	0.000802	5.94	313.71	53.53	0.43
ELDER	REACH2	2.673	SA NS 10YR	1332.28	16.00	22.95	20.23	23.35	0.000701	5.11	260.56	50.73	0.40
ELDER	REACH2	2.673	SA-NOSpill	1820.30	16.00	23.91	20.99	24.44	0.000787	5.85	310.65	53.37	0.43
ELDER	REACH2	2.665	Bridge										
ELDER	REACH2	2.656	Stand10yr	1052.55	16.00	21.91		22.30	0.000826	5.02	209.50	47.82	0.42
ELDER	REACH2	2.656	SA with Spill	1863.00	16.00	23.73		24.32	0.000904	6.19	300.93	52.88	0.46
ELDER	REACH2	2.656	SA NS 10YR	1332.28	16.00	22.76		23.20	0.000779	5.30	251.18	50.22	0.42
ELDER	REACH2	2.656	SA-NOSpill	1820.19	16.00	23.68		24.26	0.000884	6.10	298.35	52.74	0.45
ELDER	REACH2	2.603	Stand10yr	1055.40	15.90	21.70		22.07	0.000790	4.93	214.34	47.94	0.41
ELDER	REACH2	2.603	SA with Spill	1867.97	15.90	23.48		24.06	0.000898	5.12	305.11	53.72	0.45
ELDER	REACH2	2.603	SA NS 10YR	1351.36	15.90	22.53		22.97	0.000779	5.29	255.58	50.65	0.41
ELDER	REACH2	2.603	SA-NOSpill	1828.96	15.90	23.44		24.00	0.000882	6.04	302.59	53.56	0.45
ELDER	REACH2	2.546	Stand10yr	1060.28	15.68	21.31		21.78	0.001143	5.54	191.55	48.72	0.49
ELDER	REACH2	2.546	SA with Spill	1871.96	15.68	23.08		23.75	0.001153	6.58	284.32	55.53	0.51
ELDER	REACH2	2.546	SA NS 10YR	1370.81	15.68	22.14		22.67	0.001089	5.87	233.66	52.29	0.49
ELDER	REACH2	2.546	SA-NOSpill	1837.80	15.68	23.03		23.69	0.001140	6.52	281.82	55.38	0.51
ELDER	REACH2	2.487	Stand10yr	1064.30	16.00	21.02		21.43	0.001065	5.17	205.89	55.71	0.47
ELDER	REACH2	2.487	SA with Spill	1874.71	16.00	22.87		23.42	0.000954	5.93	316.35	63.61	0.47
ELDER	REACH2	2.487	SA NS 10YR	1391.11	16.00	21.87		22.34	0.000973	5.45	255.11	59.26	0.46
ELDER	REACH2	2.487	SA-NOSpill	1846.99	16.00	22.82		23.36	0.000954	5.90	313.04	63.38	0.47
ELDER	REACH2	2.354	Stand10yr	1073.24	14.88	20.50		20.80	0.000727	4.42	243.07	62.89	0.40
ELDER	REACH2	2.354	SA with Spill	1890.55	14.88	22.43		22.82	0.000685	5.01	377.66	77.27	0.40
ELDER	REACH2	2.354	SA NS 10YR	1435.77	14.88	21.36		21.71	0.000727	4.79	299.68	68.50	0.40
ELDER	REACH2	2.354	SA-NOSpill	1867.45	14.88	22.39		22.77	0.000684	4.99	374.29	76.85	0.40
ELDER	REACH2	2.269	Stand10yr	1073.22	14.80	20.22	17.51	20.50	0.000589	4.28	250.74	53.00	0.35
ELDER	REACH2	2.269	SA with Spill	1889.28	14.80	22.06	18.71	22.52	0.000661	5.42	348.42	53.00	0.37
ELDER	REACH2	2.269	SA NS 10YR	1435.74	14.80	21.04	18.07	21.41	0.000643	4.88	294.08	53.00	0.37
ELDER	REACH2	2.269	SA-NOSpill	1867.44	14.80	22.02	18.68	22.47	0.000658	5.39	346.31	53.00	0.37
ELDER	REACH2	2.258	Bridge										
ELDER	REACH2	2.250	Stand10yr	1073.05	14.90	19.22		19.69	0.001143	5.47	196.12	48.26	0.48
ELDER	REACH2	2.250	SA with Spill	1914.57	14.90	21.01		21.69	0.001195	6.60	290.10	53.00	0.50
ELDER	REACH2	2.250	SA NS 10YR	1432.01	14.90	20.07		20.62	0.001200	5.96	240.38	53.00	0.49
ELDER	REACH2	2.250	SA-NOSpill	1867.15	14.90	20.94		21.60	0.001184	6.52	286.28	53.00	0.49
ELDER	REACH2	2.219	Stand10yr	1073.04	13.60	19.18		19.52	0.000897	4.67	229.70	63.91	0.43
ELDER	REACH2	2.219	SA with Spill	1915.50	13.60	21.09		21.52	0.000773	5.31	360.55	73.42	0.42
ELDER	REACH2	2.219	SA NS 10YR	1431.98	13.60	20.08		20.46	0.000814	4.95	289.03	68.26	0.42
ELDER	REACH2	2.219	SA-NOSpill	1867.15	13.60	21.01		21.44	0.000769	5.26	354.69	73.01	0.42
ELDER	REACH2	2.149	Stand10yr	1079.09	13.26	18.89		19.20	0.000810	4.50	238.91	65.30	0.41
ELDER	REACH2	2.149	SA with Spill	1918.81	13.26	20.85		21.25	0.000684	5.12	375.10	73.86	0.40
ELDER	REACH2	2.149	SA NS 10YR	1441.36	13.26	19.81		20.17	0.000732	4.79	300.92	69.07	0.40
ELDER	REACH2	2.149	SA-NOSpill	1871.36	13.26	20.77		21.17	0.000682	5.07	369.13	73.48	0.40
ELDER	REACH2	2.098	Stand10yr	1076.59	12.91	18.64		18.98	0.000863	4.62	232.97	64.13	0.43
ELDER	REACH2	2.098	SA with Spill	1920.42	12.91	20.65		21.07	0.000706	5.18	370.81	73.40	0.41
ELDER	REACH2	2.098	SA NS 10YR	1448.14	12.91	19.59		19.96	0.000776	4.90	295.38	68.40	0.42
ELDER	REACH2	2.098	SA-NOSpill	1874.35	12.91	20.57		20.98	0.000704	5.14	364.86	72.95	0.40
ELDER	REACH2	2.036	Stand10yr	1078.42	12.57	18.29		18.66	0.001037	4.91	219.45	63.25	0.46
ELDER	REACH2	2.036	SA with Spill	1921.91	12.57	20.39		20.83	0.000757	5.30	362.51	72.95	0.42
ELDER	REACH2	2.036	SA NS 10YR	1456.49	12.57	19.27		19.68	0.000884	5.13	284.00	67.78	0.44
ELDER	REACH2	2.036	SA-NOSpill	1877.62	12.57	20.31		20.74	0.000758	5.27	356.49	72.57	0.42
ELDER	REACH2	1.978	Stand10yr	1080.03	12.13	18.11		18.40	0.000669	4.34	249.03	61.98	0.38
ELDER	REACH2	1.978	SA with Spill	1923.99	12.13	20.25		20.62	0.000576	4.91	391.68	71.65	0.37
ELDER	REACH2	1.978	SA NS 10YR	1464.11	12.13	19.11		19.45	0.000633	4.68	313.01	66.38	0.38
ELDER	REACH2	1.978	SA-NOSpill	1880.89	12.13	20.16		20.53	0.000575	4.88	385.71	71.23	0.37
ELDER	REACH2	1.921	Stand10yr	1079.87	12.00	18.05		18.27	0.000211	3.77	286.12	65.50	0.32
ELDER	REACH2	1.921	SA with Spill	1924.54	12.00	20.21		20.51	0.000199	4.38	439.67	76.52	0.32
ELDER	REACH2	1.921	SA NS 10YR	1464.09	12.00	19.06		19.32	0.000211	4.13	354.78	70.73	0.32
ELDER	REACH2	1.921	SA-NOSpill	1880.89	12.00	20.12		20.42	0.000198	4.34	433.23	76.10	0.32
ELDER	REACH2	1.908	Stand10yr	1080.02	10.80	18.10	14.22	18.26	0.000109	3.15	343.38	59.87	0.23
ELDER	REACH2	1.908	SA with Spill	1924.53	10.80	20.24	15.35	20.49	0.000131	4.05	475.12	63.12	0.26
ELDER	REACH2	1.908	SA NS 10YR	1464.63	10.80	19.10	14.76	19.31	0.000123	3.62	404.16	61.62	0.25
ELDER	REACH2	1.908	SA-NOSpill	1880.88	10.80	20.16	15.29	20.41	0.000129	4.00	469.87	63.05	0.26
ELDER	REACH2	1.893	Bridge										
ELDER	REACH2	1.865	Stand10yr	1079.00	10.70	17.45		17.64	0.000147	3.47	310.73	58.91	0.27
ELDER	REACH2	1.865	SA with Spill	1915.93	10.70	19.72		20.01	0.000154	4.27	448.88	62.77	0.28
ELDER	REACH2	1.865	SA NS 10YR	1459.20	10.70	18.53		18.76	0.000153	3.89	374.86	60.79	0.28
ELDER	REACH2	1.865	SA-NOSpill	1879.87	10.70	19.64		19.92	0.000153	4.24	443.63	62.70	0.28

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	1.864	Stand10yr	1078.87	10.50	17.35		17.64	0.000237	4.33	249.01	48.30	0.34
ELDER	REACH2	1.864	SA with Spil	1914.18	10.50	19.58		20.01	0.000256	5.25	364.54	55.44	0.36
ELDER	REACH2	1.864	SA NS 10YR	1458.36	10.50	18.40		18.76	0.000253	4.84	301.35	51.66	0.35
ELDER	REACH2	1.864	SA-NOSpill	1879.62	10.50	19.50		19.92	0.000255	5.22	359.99	55.18	0.36
ELDER	REACH2	1.663	Stand10yr	1078.20	8.80	16.81		17.16	0.000664	4.77	226.12	46.45	0.38
ELDER	REACH2	1.663	SA with Spil	1910.29	8.80	19.00		19.50	0.000704	5.64	338.82	56.42	0.41
ELDER	REACH2	1.663	SA NS 10YR	1454.09	8.80	17.82		18.25	0.000713	5.29	275.05	51.02	0.40
ELDER	REACH2	1.663	SA-NOSpill	1878.27	8.80	18.92		19.41	0.000707	5.62	334.04	56.03	0.41
ELDER	REACH2	1.495	Stand10yr	1077.39	8.50	16.21		16.57	0.000680	4.82	223.69	46.04	0.39
ELDER	REACH2	1.495	SA with Spil	1907.20	8.50	18.35		18.85	0.000735	5.74	332.16	55.48	0.41
ELDER	REACH2	1.495	SA NS 10YR	1450.14	8.50	17.15		17.60	0.000750	5.39	268.98	50.20	0.41
ELDER	REACH2	1.495	SA-NOSpill	1876.90	8.50	18.25		18.77	0.000742	5.74	327.14	55.07	0.41
ELDER	REACH2	1.336	Stand10yr	1076.83	7.50	15.85		16.10	0.000427	4.02	267.71	50.45	0.31
ELDER	REACH2	1.336	SA with Spil	1905.75	7.50	17.95		18.34	0.000496	5.00	380.87	57.34	0.34
ELDER	REACH2	1.336	SA NS 10YR	1447.94	7.50	16.75		17.08	0.000490	4.60	314.43	53.41	0.33
ELDER	REACH2	1.336	SA-NOSpill	1876.08	7.50	17.86		18.24	0.000500	5.00	375.40	57.03	0.34
ELDER	REACH2	1.305	Stand10yr	1076.95	6.50	15.91	10.76	16.05	0.000199	3.00	358.69	58.88	0.21
ELDER	REACH2	1.305	SA with Spil	1906.16	6.50	18.05	12.17	18.28	0.000266	3.84	496.76	70.35	0.25
ELDER	REACH2	1.305	SA NS 10YR	1448.54	6.50	16.83	11.43	17.02	0.000246	3.49	415.11	63.81	0.24
ELDER	REACH2	1.305	SA-NOSpill	1876.31	6.50	17.95	12.12	18.18	0.000267	3.83	490.02	69.83	0.25
ELDER	REACH2	1.292	Bridge										
ELDER	REACH2	1.281	Stand10yr	1076.83	6.50	15.84		15.98	0.000205	3.04	354.47	58.49	0.22
ELDER	REACH2	1.281	SA with Spil	1905.75	6.50	17.93		18.17	0.000277	3.90	488.82	69.74	0.26
ELDER	REACH2	1.281	SA NS 10YR	1447.95	6.50	16.73		16.93	0.000255	3.54	409.01	63.30	0.25
ELDER	REACH2	1.281	SA-NOSpill	1875.84	6.50	17.84		18.07	0.000279	3.89	482.14	69.22	0.26
ELDER	REACH2	1.280	Stand10yr	1076.71	7.10	15.78		15.98	0.000315	3.60	298.80	53.06	0.27
ELDER	REACH2	1.280	SA with Spil	1905.33	7.10	17.84		18.17	0.000390	4.59	414.67	59.33	0.31
ELDER	REACH2	1.280	SA NS 10YR	1447.31	7.10	16.66		16.93	0.000374	4.18	346.53	55.73	0.30
ELDER	REACH2	1.280	SA-NOSpill	1875.84	7.10	17.74		18.07	0.000393	4.59	408.99	59.04	0.31
ELDER	REACH2	1.263	Stand10yr	1247.32	7.10	15.66		15.89	0.000353	3.80	326.27	59.85	0.29
ELDER	REACH2	1.263	SA with Spil	2079.20	7.10	17.77		18.08	0.000379	4.48	464.40	69.56	0.31
ELDER	REACH2	1.263	SA NS 10YR	1617.83	7.10	16.56		16.83	0.000387	4.22	383.51	63.99	0.30
ELDER	REACH2	1.263	SA-NOSpill	2049.73	7.10	17.67		17.98	0.000384	4.48	457.57	69.11	0.31
ELDER	REACH2	1.148	Stand10yr	1246.94	6.90	15.32		15.63	0.000506	4.42	282.07	52.63	0.34
ELDER	REACH2	1.148	SA with Spil	2078.33	6.90	17.38		17.80	0.000540	5.22	398.09	60.42	0.36
ELDER	REACH2	1.148	SA NS 10YR	1616.61	6.90	16.17		16.55	0.000560	4.93	327.84	55.83	0.36
ELDER	REACH2	1.148	SA-NOSpill	2049.24	6.90	17.27		17.70	0.000549	5.23	391.84	60.02	0.36
ELDER	REACH2	0.949	Stand10yr	1246.61	6.50	14.82		15.11	0.000476	4.36	285.99	52.16	0.33
ELDER	REACH2	0.949	SA with Spil	2077.90	6.50	16.81		17.24	0.000528	5.23	397.05	59.06	0.36
ELDER	REACH2	0.949	SA NS 10YR	1616.07	6.50	15.59		15.96	0.000549	4.94	327.12	54.82	0.36
ELDER	REACH2	0.949	SA-NOSpill	2048.81	6.50	16.70		17.13	0.000540	5.25	390.26	58.67	0.36
ELDER	REACH2	0.835	Stand10yr	1246.52	6.00	14.52		14.82	0.000485	4.39	284.03	52.73	0.33
ELDER	REACH2	0.835	SA with Spil	2077.64	6.00	16.48		16.91	0.000550	5.26	394.63	59.91	0.36
ELDER	REACH2	0.835	SA NS 10YR	1615.66	6.00	15.23		15.62	0.000582	5.01	322.65	55.34	0.37
ELDER	REACH2	0.835	SA-NOSpill	2048.66	6.00	16.36		16.78	0.000563	5.29	387.20	59.45	0.37
ELDER	REACH2	0.804	Stand10yr	1246.52	6.00	14.55	10.45	14.75	0.000302	3.82	344.41	60.06	0.27
ELDER	REACH2	0.804	SA with Spil	2077.64	6.00	16.54	11.70	16.84	0.000348	4.41	471.11	67.40	0.29
ELDER	REACH2	0.804	SA NS 10YR	1615.63	6.00	15.28	11.04	15.55	0.000359	4.15	389.16	62.75	0.29
ELDER	REACH2	0.804	SA-NOSpill	2048.74	6.00	16.41	11.66	16.72	0.000356	4.43	462.76	66.94	0.30
ELDER	REACH2	0.797	Bridge										
ELDER	REACH2	0.789	Stand10yr	1246.52	6.00	14.49		14.70	0.000310	3.66	340.97	59.85	0.27
ELDER	REACH2	0.789	SA with Spil	2077.49	6.00	16.35		16.67	0.000375	4.53	458.70	66.72	0.30
ELDER	REACH2	0.789	SA NS 10YR	1615.41	6.00	15.20		15.47	0.000372	4.20	384.26	62.45	0.30
ELDER	REACH2	0.789	SA-NOSpill	2048.86	6.00	16.30		16.61	0.000373	4.50	454.91	66.51	0.30
ELDER	REACH2	0.788	Stand10yr	1246.46	5.90	14.36		14.70	0.000571	4.69	265.53	49.32	0.36
ELDER	REACH2	0.788	SA with Spil	2077.49	5.90	16.16		16.67	0.000687	5.76	369.51	56.32	0.40
ELDER	REACH2	0.788	SA NS 10YR	1615.41	5.90	15.02		15.47	0.000692	5.40	299.16	51.91	0.40
ELDER	REACH2	0.788	SA-NOSpill	2048.57	5.90	16.10		16.61	0.000684	5.73	357.43	56.11	0.40
ELDER	REACH2	0.76	Stand10yr	1246.46	5.90	14.30		14.62	0.000529	4.53	275.23	51.13	0.34
ELDER	REACH2	0.76	SA with Spil	2077.32	5.90	16.09		16.57	0.000639	5.56	373.43	58.53	0.39
ELDER	REACH2	0.76	SA NS 10YR	1615.13	5.90	14.95		15.38	0.000643	5.22	309.47	53.73	0.38
ELDER	REACH2	0.76	SA-NOSpill	2048.57	5.90	16.04		16.51	0.000636	5.53	370.23	58.29	0.39
ELDER	REACH2	0.671	Stand10yr	1246.45	5.60	14.13		14.40	0.000417	4.15	300.01	53.28	0.31
ELDER	REACH2	0.671	SA with Spil	2077.29	5.60	15.88		16.30	0.000523	5.21	398.45	59.21	0.35
ELDER	REACH2	0.671	SA NS 10YR	1615.08	5.60	14.74		15.10	0.000521	4.85	333.12	55.35	0.35
ELDER	REACH2	0.671	SA-NOSpill	2048.47	5.60	15.82		16.24	0.000520	5.18	395.28	59.03	0.35
ELDER	REACH2	0.587	Stand10yr	1246.45	5.40	13.69		14.13	0.000812	5.29	235.64	47.80	0.42
ELDER	REACH2	0.587	SA with Spil	2076.94	5.40	15.31		15.97	0.000998	6.52	318.67	55.02	0.48
ELDER	REACH2	0.587	SA NS 10YR	1613.52	5.40	14.14		14.75	0.001067	6.26	257.78	49.83	0.48

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	0.587	SA-NOSpill	2048.18	5.40	15.26		15.91	0.000993	6.48	315.92	54.80	0.48
ELDER	REACH2	0.574	Stand10yr	1246.45	5.30	13.89		14.08	0.000276	3.46	360.61	63.03	0.25
ELDER	REACH2	0.574	SA with Spil	2077.09	5.30	15.61		15.91	0.000354	4.38	474.54	69.75	0.30
ELDER	REACH2	0.574	SA NS 10YR	1614.25	5.30	14.43		14.69	0.000357	4.09	395.10	65.14	0.29
ELDER	REACH2	0.574	SA-NOSpill	2048.36	5.30	15.55		15.85	0.000352	4.35	470.83	69.54	0.29
ELDER	REACH2	0.569	Stand10yr	1246.45	5.50	13.87	10.06	14.07	0.000308	3.59	346.73	61.28	0.27
ELDER	REACH2	0.569	SA with Spil	2076.93	5.50	15.58	11.18	15.90	0.000413	4.53	458.03	70.29	0.31
ELDER	REACH2	0.569	SA NS 10YR	1614.25	5.50	14.40	10.59	14.68	0.000396	4.25	379.58	62.82	0.30
ELDER	REACH2	0.569	SA-NOSpill	2048.28	5.50	15.52	11.15	15.84	0.000412	4.51	454.28	70.27	0.31
ELDER	REACH2	0.556	Bridge										
ELDER	REACH2	0.543	Stand10yr	1246.45	5.50	13.76		13.97	0.000326	3.67	340.04	60.96	0.27
ELDER	REACH2	0.543	SA with Spil	2076.93	5.50	15.40		15.74	0.000449	4.66	445.88	70.21	0.33
ELDER	REACH2	0.543	SA NS 10YR	1613.92	5.50	14.24		14.53	0.000428	4.37	369.48	62.33	0.32
ELDER	REACH2	0.543	SA-NOSpill	2048.18	5.50	15.35		15.68	0.000448	4.63	442.26	70.19	0.33
ELDER	REACH2	0.394	Stand10yr	1246.40	4.80	13.61		13.76	0.000205	3.10	402.15	65.08	0.22
ELDER	REACH2	0.394	SA with Spil	2076.48	4.80	15.19		15.45	0.000289	4.08	509.01	70.10	0.27
ELDER	REACH2	0.394	SA NS 10YR	1570.62	4.80	14.04		14.25	0.000267	3.65	430.63	66.43	0.25
ELDER	REACH2	0.394	SA-NOSpill	2048.07	4.80	15.14		15.40	0.000287	4.05	505.47	69.93	0.27
ELDER	REACH2	0.388	Stand10yr	1902.00	4.80	13.12		13.53	0.000604	5.13	370.87	63.53	0.37
ELDER	REACH2	0.388	SA with Spil	2811.75	4.80	14.65		15.20	0.000660	5.95	471.59	68.38	0.40
ELDER	REACH2	0.388	SA NS 10YR	2166.16	4.80	13.60		14.05	0.000623	5.40	401.49	65.05	0.38
ELDER	REACH2	0.388	SA-NOSpill	2780.28	4.80	14.60		15.15	0.000659	5.94	468.25	68.22	0.40
ELDER	REACH2	0.216	Stand10yr	1901.93	4.30	12.49		12.94	0.000696	5.42	350.74	61.35	0.40
ELDER	REACH2	0.216	SA with Spil	2811.62	4.30	13.92		14.55	0.000782	6.36	442.16	66.05	0.43
ELDER	REACH2	0.216	SA NS 10YR	2165.96	4.30	12.93		13.44	0.000725	5.72	378.48	62.81	0.41
ELDER	REACH2	0.216	SA-NOSpill	2780.17	4.30	13.87		14.50	0.000780	6.33	439.07	65.90	0.43
ELDER	REACH2	0.2	Stand10yr	1901.92	4.30	12.41		12.88	0.000721	5.49	348.40	61.12	0.41
ELDER	REACH2	0.2	SA with Spil	2811.61	4.30	13.84		14.48	0.000810	6.44	436.71	65.78	0.44
ELDER	REACH2	0.2	SA NS 10YR	2165.96	4.30	12.86		13.38	0.000751	5.79	373.79	62.57	0.42
ELDER	REACH2	0.2	SA-NOSpill	2780.17	4.30	13.79		14.43	0.000808	6.41	433.66	65.63	0.44
ELDER	REACH2	0.019	Stand10yr	1901.88	5.50	11.07	9.50	11.82	0.001500	6.97	272.99	59.86	0.57
ELDER	REACH2	0.019	SA with Spil	2811.54	5.50	12.42	10.55	13.38	0.001500	7.89	356.51	64.43	0.59
ELDER	REACH2	0.019	SA NS 10YR	2165.88	5.50	11.49	9.82	12.31	0.001500	7.26	298.21	61.28	0.58
ELDER	REACH2	0.019	SA-NOSpill	2780.16	5.50	12.37	10.53	13.33	0.001500	7.86	353.77	64.29	0.58