

APPENDICES

A-1 Hydraulic Model Summary Table

HEC-RAS Plan 04-02-09 River: Chimes Reach: HEC-RAS-UPSTREAM

Reach	River Sta	Profile	Hydr Depth (ft)	Vel Chnl (ft/s)	Shear Chan (lb/sq ft)	W.S. Elev (ft)	Hydr Depth L (ft)	Vel Left (ft/s)	Shear LOB (lb/sq ft)	Hydr Depth R (ft)	Vel Right (ft/s)	Shear ROB (lb/sq ft)
HEC-RAS-UPSTREAM	1131.62	2 YR-120	2.93	3.57	0.89	241.56						
HEC-RAS-UPSTREAM	1131.62	10 YR-191	3.31	4.00	0.81	242.68	0.14	0.37	0.04	0.30	0.59	0.08
HEC-RAS-UPSTREAM	1131.62	25-YR-194	3.31	4.02	0.82	242.72	0.16	0.40	0.04	0.32	0.61	0.08
HEC-RAS-UPSTREAM	1131.62	100-YR-198	3.32	4.05	0.83	242.77	0.18	0.44	0.05	0.34	0.64	0.09
HEC-RAS-UPSTREAM	1076.9	2 YR-120	3.40	4.35	1.06	241.10						
HEC-RAS-UPSTREAM	1076.9	10 YR-191	2.50	5.16	1.38	242.16	0.24	0.74	0.12	0.44	1.15	0.24
HEC-RAS-UPSTREAM	1076.9	25-YR-194	2.48	5.18	1.40	242.20	0.25	0.78	0.13	0.46	1.18	0.25
HEC-RAS-UPSTREAM	1076.9	100-YR-198	2.45	5.22	1.41	242.25	0.28	0.82	0.15	0.48	1.22	0.26
HEC-RAS-UPSTREAM	984.61	2 YR-120	2.87	5.42	1.69	239.91				0.19	0.81	0.16
HEC-RAS-UPSTREAM	984.61	10 YR-191	2.26	6.81	2.55	240.68				0.45	1.70	0.52
HEC-RAS-UPSTREAM	984.61	25-YR-194	2.25	6.87	2.59	240.70				0.46	1.73	0.54
HEC-RAS-UPSTREAM	984.61	100-YR-198	2.24	6.95	2.64	240.73				0.47	1.78	0.57
HEC-RAS-UPSTREAM	906.27	2 YR-120	2.67	2.83	0.44	239.66						
HEC-RAS-UPSTREAM	906.27	10 YR-191	1.42	3.24	0.53	240.55	0.33	0.57	0.07	0.32	0.56	0.06
HEC-RAS-UPSTREAM	906.27	25-YR-194	1.42	3.25	0.54	240.58	0.35	0.59	0.07	0.34	0.58	0.07
HEC-RAS-UPSTREAM	906.27	100-YR-198	1.42	3.26	0.54	240.62	0.37	0.62	0.07	0.36	0.60	0.07
HEC-RAS-UPSTREAM	827.27	2 YR-120	2.58	2.66	0.39	239.42	0.17	0.34	0.03			
HEC-RAS-UPSTREAM	827.27	10 YR-191	1.39	3.00	0.47	240.33	0.37	0.59	0.07			
HEC-RAS-UPSTREAM	827.27	25-YR-194	1.40	3.01	0.47	240.36	0.39	0.62	0.07			
HEC-RAS-UPSTREAM	827.27	100-YR-198	1.41	3.01	0.47	240.40	0.42	0.65	0.08			
HEC-RAS-UPSTREAM	771.78	2 YR-120	2.60	4.70	1.28	238.88						
HEC-RAS-UPSTREAM	771.78	10 YR-191	1.97	5.61	1.70	239.65				0.41	1.29	0.31
HEC-RAS-UPSTREAM	771.78	25-YR-194	1.96	5.65	1.72	239.68	0.01	0.09		0.42	1.31	0.32
HEC-RAS-UPSTREAM	771.78	100-YR-198	1.93	5.68	1.74	239.72	0.03	0.21	0.02	0.44	1.35	0.33
HEC-RAS-UPSTREAM	714.22	2 YR-120	1.66	7.39	3.45	237.23						
HEC-RAS-UPSTREAM	714.22	10 YR-191	2.02	8.14	3.93	237.91						
HEC-RAS-UPSTREAM	714.22	25-YR-194	2.03	8.14	3.92	237.94						
HEC-RAS-UPSTREAM	714.22	100-YR-198	2.05	8.19	3.96	237.97						
HEC-RAS-UPSTREAM	692.26	2 YR-120	0.86	16.32	20.44	231.59						
HEC-RAS-UPSTREAM	692.26	10 YR-191	1.16	17.48	21.40	231.99						
HEC-RAS-UPSTREAM	692.26	25-YR-194	1.17	17.51	21.43	232.00						
HEC-RAS-UPSTREAM	692.26	100-YR-198	2.96	3.96	0.82	234.94						
HEC-RAS-UPSTREAM	647.11	2 YR-120	3.32	6.69	2.73	232.40						
HEC-RAS-UPSTREAM	647.11	10 YR-191	4.16	7.86	3.62	233.53						
HEC-RAS-UPSTREAM	647.11	25-YR-194	4.19	7.90	3.65	233.57						
HEC-RAS-UPSTREAM	647.11	100-YR-198	4.23	7.96	3.70	233.63						
HEC-RAS-UPSTREAM	611.71	2 YR-120	2.87	6.60	2.73	231.38						
HEC-RAS-UPSTREAM	611.71	10 YR-191	3.24	8.36	4.22	232.08						
HEC-RAS-UPSTREAM	611.71	25-YR-194	3.25	8.42	4.28	232.10						
HEC-RAS-UPSTREAM	611.71	100-YR-198	3.27	8.51	4.36	232.14						
HEC-RAS-UPSTREAM	562.23	2 YR-120	1.58	7.19	3.28	229.56						
HEC-RAS-UPSTREAM	562.23	10 YR-191	2.01	8.11	3.89	230.18						
HEC-RAS-UPSTREAM	562.23	25-YR-194	2.03	8.14	3.91	230.20						
HEC-RAS-UPSTREAM	562.23	100-YR-198	2.05	8.18	3.94	230.23						
HEC-RAS-UPSTREAM	489.13	2 YR-120	2.10	5.14	1.55	228.00						
HEC-RAS-UPSTREAM	489.13	10 YR-191	2.53	5.85	1.90	228.77						
HEC-RAS-UPSTREAM	489.13	25-YR-194	2.55	5.87	1.91	228.80						
HEC-RAS-UPSTREAM	489.13	100-YR-198	2.57	5.90	1.92	228.84						
HEC-RAS-UPSTREAM	478.31	2 YR-120	1.72	7.52	3.53	227.24						
HEC-RAS-UPSTREAM	478.31	10 YR-191	2.13	8.28	4.02	227.95						
HEC-RAS-UPSTREAM	478.31	25-YR-194	2.14	8.30	4.03	227.98						
HEC-RAS-UPSTREAM	478.31	100-YR-198	2.16	8.34	4.06	228.01						
HEC-RAS-UPSTREAM	394.46	2 YR-120	2.01	5.42	1.75	223.91						
HEC-RAS-UPSTREAM	394.46	10 YR-191	2.66	5.80	1.86	224.83						
HEC-RAS-UPSTREAM	394.46	25-YR-194	2.68	5.82	1.86	224.86						
HEC-RAS-UPSTREAM	394.46	100-YR-198	2.71	5.84	1.87	224.90						
HEC-RAS-UPSTREAM	354.75	2 YR-120	2.42	4.38	1.09	223.53						
HEC-RAS-UPSTREAM	354.75	10 YR-191	2.95	4.87	1.28	224.49						
HEC-RAS-UPSTREAM	354.75	25-YR-194	2.97	4.89	1.28	224.52						
HEC-RAS-UPSTREAM	354.75	100-YR-198	3.00	4.92	1.30	224.57						
HEC-RAS-UPSTREAM	342.68	2 YR-120	2.58	4.46	1.14	223.40						
HEC-RAS-UPSTREAM	342.68	10 YR-191	3.12	5.12	1.41	224.33	0.02	0.14				
HEC-RAS-UPSTREAM	342.68	25-YR-194	3.14	5.15	1.43	224.36	0.03	0.21				
HEC-RAS-UPSTREAM	342.68	100-YR-198	3.16	5.19	1.44	224.41	0.05	0.30	0.03			
HEC-RAS-UPSTREAM	293.48	2 YR-120	1.94	7.95	4.03	221.77						
HEC-RAS-UPSTREAM	293.48	10 YR-191	2.36	8.73	4.59	222.56						
HEC-RAS-UPSTREAM	293.48	25-YR-194	2.38	8.75	4.61	222.59						
HEC-RAS-UPSTREAM	293.48	100-YR-198	2.40	8.79	4.63	222.63						
HEC-RAS-UPSTREAM	242.09	2 YR-120	2.32	4.52	1.18	220.00						
HEC-RAS-UPSTREAM	242.09	10 YR-191	2.97	4.86	1.26	221.03						
HEC-RAS-UPSTREAM	242.09	25-YR-194	3.00	4.87	1.27	221.07						
HEC-RAS-UPSTREAM	242.09	100-YR-198	3.03	4.88	1.27	221.12						
HEC-RAS-UPSTREAM	181.74	2 YR-120	2.23	8.54	4.58	217.93						
HEC-RAS-UPSTREAM	181.74	10 YR-191	2.83	9.55	5.40	218.82						
HEC-RAS-UPSTREAM	181.74	25-YR-194	2.85	9.58	5.43	218.86						

HEC-RAS Plan: 04-02-09 River: Chimes Reach: HEC-RAS-UPSTREAM (Continued)

Reach	River Sta	Profile	Hydr Depth (ft)	Vel Chnl (ft/s)	Shear Chan (lb/sq ft)	W.S. Elev (ft)	Hydr Depth L (ft)	Vel Left (ft/s)	Shear LOB (lb/sq ft)	Hydr Depth R (ft)	Vel Right (ft/s)	Shear ROB (lb/sq ft)
HEC-RAS-UPSTREAM	181.74	100-YR-198	2.88	9.62	5.46	218.90						
HEC-RAS-UPSTREAM	144.59	2 YR-120	2.34	8.09	4.19	215.94						
HEC-RAS-UPSTREAM	144.59	10 YR-191	2.90	7.92	3.72	217.21						
HEC-RAS-UPSTREAM	144.59	25-YR-194	2.92	7.92	3.71	217.25						
HEC-RAS-UPSTREAM	144.59	100-YR-198	2.95	7.94	3.72	217.31						
HEC-RAS-UPSTREAM	124.36	2 YR-120	3.97	5.38	1.72	215.79						
HEC-RAS-UPSTREAM	124.36	10 YR-191	4.63	6.72	2.60	216.84						
HEC-RAS-UPSTREAM	124.36	25-YR-194	4.64	6.77	2.64	216.87						
HEC-RAS-UPSTREAM	124.36	100-YR-198	4.62	6.84	2.70	216.91	0.03	0.26				
HEC-RAS-UPSTREAM	67.71	2 YR-120	2.03	8.16	4.23	213.65						
HEC-RAS-UPSTREAM	67.71	10 YR-191	2.43	8.86	4.69	214.50						
HEC-RAS-UPSTREAM	67.71	25-YR-194	2.45	8.88	4.71	214.53						
HEC-RAS-UPSTREAM	67.71	100-YR-198	2.47	8.92	4.73	214.57						
HEC-RAS-UPSTREAM	25.00	2 YR-120	2.53	3.73	0.77	213.55						
HEC-RAS-UPSTREAM	25.00	10 YR-191	3.10	4.20	0.92	214.52						
HEC-RAS-UPSTREAM	25.00	25-YR-194	3.12	4.22	0.93	214.55						
HEC-RAS-UPSTREAM	25.00	100-YR-198	3.15	4.24	0.94	214.60						