

HEC-RAS Plan: Plan 01 River: Shaalavim Reach: Alignment - (1)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Alignment - (1)	4400	100Yr	22.00	187.66	188.54	188.54	188.72	0.011735	2.90	14.56	34.84	1.02
Alignment - (1)	4400	10Yr	8.00	187.66	188.25	188.25	188.39	0.012984	2.29	6.06	22.14	0.99
Alignment - (1)	4300	100Yr	22.00	185.97	186.61	186.61	186.84	0.018577	2.72	11.11	25.16	1.19
Alignment - (1)	4300	10Yr	8.00	185.97	186.38	186.36	186.49	0.019607	1.91	5.64	21.85	1.11
Alignment - (1)	4200	100Yr	22.00	184.35	185.10	185.10	185.31	0.011952	2.62	13.44	33.57	1.00
Alignment - (1)	4200	10Yr	8.00	184.35	184.84	184.84	184.97	0.012174	1.93	6.13	22.90	0.93
Alignment - (1)	4100	100Yr	22.00	182.98	183.71	183.69	183.82	0.010185	2.45	19.13	60.27	0.92
Alignment - (1)	4100	10Yr	8.00	182.98	183.55	183.55	183.62	0.008164	1.84	9.87	51.73	0.79
Alignment - (1)	4000	100Yr	22.00	181.78	182.32	182.32	182.49	0.017779	2.68	13.64	39.07	1.16
Alignment - (1)	4000	10Yr	8.00	181.78	182.11	182.11	182.22	0.019128	2.01	6.43	30.04	1.11
Alignment - (1)	3900	100Yr	22.00	179.74	180.45	180.36	180.55	0.006935	1.94	20.37	61.46	0.75
Alignment - (1)	3900	10Yr	8.00	179.74	180.20		180.26	0.006130	1.35	8.80	32.02	0.66
Alignment - (1)	3800	100Yr	22.00	178.81	179.25	179.25	179.41	0.021892	2.38	13.41	43.02	1.22
Alignment - (1)	3800	10Yr	8.00	178.81	179.08	179.08	179.17	0.024996	1.73	6.60	37.46	1.19
Alignment - (1)	3700	100Yr	22.00	177.19	178.24		178.34	0.005190	2.17	19.05	37.07	0.70
Alignment - (1)	3700	10Yr	8.00	177.19	177.89	177.84	177.98	0.006624	1.84	7.81	24.80	0.73
Alignment - (1)	3600	100Yr	22.00	176.30	177.28	177.28	177.60	0.010521	2.88	10.29	16.85	0.97
Alignment - (1)	3600	10Yr	8.00	176.30	176.89	176.89	177.09	0.012197	2.13	4.64	12.57	0.95
Alignment - (1)	3500	100Yr	22.00	174.90	175.53	175.53	175.74	0.014604	2.50	12.00	27.54	1.06
Alignment - (1)	3500	10Yr	8.00	174.90	175.28	175.28	175.41	0.016818	1.84	5.79	23.39	1.04
Alignment - (1)	3400	100Yr	22.00	172.86	173.68	173.68	173.92	0.012350	2.64	11.60	23.38	1.01
Alignment - (1)	3400	10Yr	8.00	172.86	173.40	173.40	173.54	0.012547	1.90	5.65	19.63	0.94
Alignment - (1)	3300	100Yr	22.00	171.05	171.72	171.72	171.94	0.015209	2.58	11.88	27.34	1.09
Alignment - (1)	3300	10Yr	8.00	171.05	171.48	171.48	171.60	0.017158	1.89	5.72	22.44	1.05
Alignment - (1)	3200	100Yr	22.00	169.43	170.07	170.07	170.27	0.015058	2.60	13.72	39.12	1.08
Alignment - (1)	3200	10Yr	8.00	169.43	169.85	169.85	169.97	0.015166	1.89	6.30	27.51	1.00
Alignment - (1)	3100	100Yr	22.00	167.47	168.58	168.57	168.75	0.007037	2.60	17.40	42.57	0.81
Alignment - (1)	3100	10Yr	8.00	167.47	168.26	168.17	168.37	0.006043	1.88	7.11	19.86	0.71
Alignment - (1)	3000	100Yr	22.00	166.97	167.67	167.67	167.87	0.010978	2.43	13.56	33.15	0.95
Alignment - (1)	3000	10Yr	8.00	166.97	167.42	167.42	167.56	0.011649	1.83	6.11	25.15	0.90
Alignment - (1)	2900	100Yr	22.00	164.30	165.80	165.80	166.19	0.011437	2.79	8.07	11.64	0.98
Alignment - (1)	2900	10Yr	8.00	164.30	165.31	165.31	165.56	0.014202	2.22	3.60	7.15	1.00
Alignment - (1)	2800	100Yr	22.00	162.17	163.58	163.44	163.80	0.007048	2.06	10.69	14.98	0.76
Alignment - (1)	2800	10Yr	8.00	162.17	163.18		163.28	0.005740	1.45	5.51	10.77	0.65
Alignment - (1)	2700	100Yr	22.00	161.89	162.60	162.56	162.78	0.015586	2.93	12.78	28.37	1.13
Alignment - (1)	2700	10Yr	8.00	161.89	162.36	162.31	162.45	0.013206	2.02	6.63	22.56	0.97
Alignment - (1)	2600	100Yr	22.00	160.23	160.79	160.79	160.99	0.020727	2.70	11.79	29.62	1.23
Alignment - (1)	2600	10Yr	8.00	160.23	160.57	160.57	160.68	0.024642	1.99	5.75	26.10	1.22
Alignment - (1)	2500	100Yr	22.00	158.31	159.07	159.07	159.29	0.012607	2.71	12.83	28.89	1.03
Alignment - (1)	2500	10Yr	8.00	158.31	158.81	158.80	158.94	0.012470	1.98	6.05	21.60	0.94
Alignment - (1)	2400	100Yr	22.00	156.97	157.77	157.77	158.06	0.011336	2.63	10.52	19.33	0.98
Alignment - (1)	2400	10Yr	8.00	156.97	157.43	157.43	157.60	0.014335	1.96	4.75	14.67	0.99
Alignment - (1)	2300	100Yr	22.00	154.99	156.10	156.10	156.43	0.009489	2.67	9.75	16.55	0.91
Alignment - (1)	2300	10Yr	8.00	154.99	155.68	155.68	155.90	0.013557	2.06	4.04	10.51	0.98
Alignment - (1)	2200	100Yr	22.00	153.75	154.60	154.59	154.78	0.014195	2.71	13.72	34.78	1.07
Alignment - (1)	2200	10Yr	8.00	153.75	154.40	154.40	154.50	0.011935	1.93	7.11	30.09	0.92
Alignment - (1)	2100	100Yr	22.00	151.90	152.49	152.32	152.82	0.028515	3.15	11.10	41.87	1.44
Alignment - (1)	2100	10Yr	8.00	151.90	152.31	152.31	152.53	0.028209	2.31	4.52	21.22	1.33
Alignment - (1)	2000	100Yr	22.00	150.27	151.26	151.25	151.47	0.007483	2.25	13.47	31.32	0.80
Alignment - (1)	2000	10Yr	8.00	150.27	150.97		151.08	0.006250	1.51	6.14	18.77	0.68
Alignment - (1)	1900	100Yr	22.00	149.89	150.79		150.89	0.004220	1.76	18.86	33.80	0.61
Alignment - (1)	1900	10Yr	8.00	149.89	150.43		150.49	0.005140	1.35	8.41	24.18	0.61
Alignment - (1)	1800	100Yr	22.00	148.84	150.11	150.11	150.34	0.006783	2.49	13.62	28.52	0.79
Alignment - (1)	1800	10Yr	8.00	148.84	149.76	149.66	149.91	0.006408	1.81	5.32	14.56	0.71
Alignment - (1)	1700	100Yr	22.00	148.25	149.22	149.22	149.43	0.007698	2.38	14.37	34.56	0.83

HEC-RAS Plan: Plan 01 River: Shaalavim Reach: Alignment - (1) (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Alignment - (1)	1700	10Yr	8.00	148.25	148.79	148.79	148.98	0.014707	2.07	4.58	13.14	1.02
Alignment - (1)	1600	100Yr	22.00	145.08	145.92	145.92	146.10	0.014213	2.20	13.08	34.67	1.01
Alignment - (1)	1600	10Yr	8.00	145.08	145.72	145.72	145.82	0.013637	1.62	6.49	30.36	0.93
Alignment - (1)	1500	100Yr	22.00	141.59	142.36	142.36	142.50	0.009595	2.29	16.98	50.08	0.89
Alignment - (1)	1500	10Yr	8.00	141.59	142.11	142.11	142.22	0.010837	1.81	7.19	32.29	0.88
Alignment - (1)	1400	100Yr	22.00	139.24	139.80	139.80	139.97	0.016139	2.49	13.64	38.90	1.10
Alignment - (1)	1400	10Yr	8.00	139.24	139.60	139.60	139.70	0.016611	1.82	6.60	31.26	1.03
Alignment - (1)	1300	100Yr	22.00	137.37	138.13	138.13	138.29	0.009524	2.05	15.52	52.06	0.86
Alignment - (1)	1300	10Yr	8.00	137.37	137.85	137.85	137.98	0.016451	1.73	5.45	22.60	1.01
Alignment - (1)	1200	100Yr	22.00	135.51	136.25	136.25	136.39	0.011488	2.55	16.03	52.59	0.98
Alignment - (1)	1200	10Yr	8.00	135.51	136.00	136.00	136.12	0.013785	2.06	6.42	27.27	0.99
Alignment - (1)	1100	100Yr	22.00	133.89	134.48	134.48	134.62	0.015371	2.56	15.54	49.96	1.09
Alignment - (1)	1100	10Yr	8.00	133.89	134.27	134.27	134.37	0.018052	2.04	6.77	33.01	1.09
Alignment - (1)	900	100Yr	22.00	130.63	131.15	131.15	131.34	0.012663	2.15	13.06	34.40	0.97
Alignment - (1)	900	10Yr	8.00	130.63	130.95	130.94	131.05	0.012875	1.52	6.46	29.35	0.90
Alignment - (1)	800	100Yr	22.00	129.34	129.94	129.94	130.11	0.011817	2.13	14.38	42.22	0.94
Alignment - (1)	800	10Yr	8.00	129.34	129.75	129.75	129.85	0.011106	1.53	6.91	36.04	0.85
Alignment - (1)	700	100Yr	22.00	127.69	128.50	128.42	128.64	0.007132	2.07	15.59	31.50	0.77
Alignment - (1)	700	10Yr	8.00	127.69	128.24	128.19	128.32	0.006531	1.47	7.86	27.29	0.69
Alignment - (1)	600	100Yr	22.00	126.91	127.46	127.46	127.62	0.015950	2.52	14.60	43.73	1.10
Alignment - (1)	600	10Yr	8.00	126.91	127.28	127.28	127.37	0.014724	1.85	7.37	36.94	0.99
Alignment - (1)	500	100Yr	22.00	124.57	125.66	125.63	125.80	0.005258	2.19	19.38	51.77	0.70
Alignment - (1)	500	10Yr	8.00	124.57	125.33	125.21	125.45	0.005560	1.73	6.61	23.42	0.67
Alignment - (1)	300	100Yr	22.00	122.71	123.94	123.94	124.31	0.011060	2.68	8.50	12.94	0.97
Alignment - (1)	300	10Yr	8.00	122.71	123.51	123.51	123.74	0.014743	2.09	3.82	8.74	1.01
Alignment - (1)	200	100Yr	22.00	120.23	120.83		120.89	0.004819	1.35	23.78	70.95	0.60
Alignment - (1)	200	10Yr	8.00	120.23	120.58	120.57	120.65	0.012205	1.36	7.80	51.74	0.85
Alignment - (1)	100	100Yr	22.00	118.67	119.15	119.14	119.67	0.063815	3.93	9.39	55.44	2.07
Alignment - (1)	100	10Yr	8.00	118.67	119.08	119.08	119.20	0.017633	1.79	6.28	32.06	1.05
Alignment - (1)	0	100Yr	22.00	116.39	117.15	117.15	117.42	0.010811	2.39	10.47	21.20	0.94
Alignment - (1)	0	10Yr	8.00	116.39	116.84	116.84	117.00	0.014013	1.78	4.63	16.24	0.96