

HEC-RAS Plan: Plan 01 River: AZRIA Reach: Site1

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
Site1	3200	1%	29.00	143.55	144.03	144.14	144.40	0.040055	2.68	10.81	33.62	1.51
Site1	3200	10%	16.00	143.55	143.92	143.99	144.17	0.040018	2.23	7.17	29.34	1.44
Site1	3100	1%	29.00	138.67	139.19	139.36	139.74	0.054352	3.32	9.05	29.09	1.79
Site1	3100	10%	16.00	138.67	139.07	139.19	139.45	0.056006	2.75	5.88	24.29	1.72
Site1	3000	1%	29.00	135.02	135.56	135.64	135.87	0.028113	2.47	12.31	45.34	1.30
Site1	3000	10%	16.00	135.02	135.45	135.49	135.64	0.026900	1.93	8.35	33.01	1.20
Site1	2900	1%	29.00	131.52	131.92	132.04	132.29	0.046860	2.70	11.18	48.26	1.61
Site1	2900	10%	16.00	131.52	131.83	131.91	132.07	0.049491	2.18	7.46	38.49	1.55
Site1	2800	1%	29.00	128.11	128.58	128.65	128.83	0.026131	2.34	15.02	64.92	1.24
Site1	2800	10%	16.00	128.11	128.48	128.51	128.65	0.024831	1.87	9.56	46.80	1.15
Site1	2700	1%	29.00	125.09	125.64	125.72	125.95	0.031704	2.50	12.23	42.41	1.36
Site1	2700	10%	16.00	125.09	125.53	125.59	125.75	0.034189	2.09	7.82	35.52	1.34
Site1	2600	1%	29.00	122.80	123.53	123.53	123.72	0.016696	1.95	15.12	44.20	1.00
Site1	2600	10%	16.00	122.80	123.38	123.38	123.52	0.018712	1.70	9.43	32.98	1.01
Site1	2500	1%	29.00	121.03	121.72	121.75	121.97	0.018275	2.23	13.67	37.48	1.07
Site1	2500	10%	16.00	121.03	121.57	121.59	121.75	0.019394	1.85	8.72	30.62	1.05
Site1	2400	1%	29.00	119.53	120.11	120.11	120.28	0.013197	1.89	17.67	56.18	0.91
Site1	2400	10%	16.00	119.53	120.01	119.98	120.11	0.010438	1.42	12.39	52.55	0.78
Site1	2300	1%	29.00	118.16	118.97	118.97	119.13	0.010040	2.12	20.16	61.51	0.85
Site1	2300	10%	16.00	118.16	118.79	118.79	118.95	0.012851	1.94	10.58	41.72	0.91
Site1	2200	1%	29.00	116.85	117.39	117.45	117.65	0.023567	2.31	13.75	50.00	1.19
Site1	2200	10%	16.00	116.85	117.30	117.31	117.45	0.017834	1.70	9.72	40.32	1.00
Site1	2100	1%	29.00	114.97	115.87	115.87	116.10	0.011880	2.22	15.38	37.32	0.91
Site1	2100	10%	16.00	114.97	115.66	115.68	115.86	0.018093	2.05	8.44	26.96	1.05
Site1	2000	1%	29.00	113.67	114.40	114.44	114.63	0.018562	2.19	14.75	48.89	1.08
Site1	2000	10%	16.00	113.67	114.31	114.28	114.43	0.011709	1.55	10.98	39.49	0.83
Site1	1900	1%	29.00	112.57	113.14	113.14	113.27	0.013974	1.99	21.34	76.85	0.94
Site1	1900	10%	16.00	112.57	113.04	113.04	113.14	0.014288	1.69	13.63	70.54	0.91
Site1	1800	1%	29.00	111.29	111.79	111.75	111.90	0.010174	1.62	21.53	70.05	0.80
Site1	1800	10%	16.00	111.29	111.69	111.63	111.76	0.008274	1.22	15.02	57.64	0.69
Site1	1700	1%	29.00	110.14	110.89	110.85	111.00	0.008104	1.75	23.73	70.11	0.75
Site1	1700	10%	16.00	110.14	110.75	110.75	110.85	0.009833	1.59	14.12	67.05	0.78
Site1	1600	1%	29.00	108.65	109.70	109.68	110.01	0.011698	2.81	13.42	20.39	0.91
Site1	1600	10%	16.00	108.65	109.53	109.41	109.69	0.007700	2.03	10.01	17.96	0.72
Site1	1500	1%	29.00	108.28	108.94	108.81	109.02	0.007517	1.41	23.91	57.03	0.69
Site1	1500	10%	16.00	108.28	108.77	108.68	108.83	0.008926	1.25	15.08	50.37	0.71
Site1	1400	1%	29.00	107.21	108.03	107.95	108.19	0.008868	1.81	16.39	34.96	0.78
Site1	1400	10%	16.00	107.21	107.86	107.76	107.96	0.008442	1.44	11.13	27.42	0.72
Site1	1300	1%	29.00	106.26	106.90	106.90	107.09	0.014021	2.23	18.21	56.27	0.97
Site1	1300	10%	16.00	106.26	106.77	106.77	106.91	0.013428	1.82	11.64	46.11	0.91
Site1	1200	1%	29.00	105.11	105.69	105.55	105.78	0.004920	1.34	23.78	55.23	0.58
Site1	1200	10%	16.00	105.11	105.54	105.42	105.60	0.004926	1.07	15.76	48.10	0.55
Site1	1100	1%	29.00	104.08	104.82	104.82	105.01	0.013322	2.26	17.85	48.90	0.96
Site1	1100	10%	16.00	104.08	104.68	104.68	104.82	0.013639	1.88	11.34	41.57	0.92
Site1	1000	1%	29.00	102.56	103.36	103.14	103.44	0.003968	1.29	23.43	45.03	0.53
Site1	1000	10%	16.00	102.56	103.19	102.99	103.24	0.003397	0.99	16.33	38.79	0.47
Site1	900	1%	29.00	101.76	102.61	102.61	102.79	0.012133	1.95	17.29	54.89	0.89
Site1	900	10%	16.00	101.76	102.44	102.44	102.60	0.015796	1.77	9.33	35.11	0.96
Site1	800	1%	29.00	100.70	101.57	101.39	101.66	0.004486	1.40	23.01	50.19	0.56
Site1	800	10%	16.00	100.70	101.39	101.22	101.46	0.004275	1.12	15.11	40.44	0.52
Site1	700	1%	29.00	100.02	100.69	100.69	100.90	0.015238	2.04	14.62	37.46	0.98
Site1	700	10%	16.00	100.02	100.54	100.54	100.69	0.017170	1.68	9.58	33.89	0.98
Site1	600	1%	29.00	98.25	99.40	99.34	99.60	0.010159	2.04	15.16	30.01	0.84
Site1	600	10%	16.00	98.25	99.21	99.16	99.35	0.010761	1.68	9.86	26.22	0.82

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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
Site1	500	1%	29.00	97.03	98.06	98.06	98.40	0.014059	2.59	11.19	16.50	1.00
Site1	500	10%	16.00	97.03	97.80	97.80	98.05	0.015721	2.23	7.17	14.42	1.01
Site1	420	1%	29.00	95.06	96.77	96.51	96.96	0.005788	1.92	15.11	17.89	0.67
Site1	420	10%	16.00	95.06	96.46	96.20	96.59	0.005124	1.59	10.08	14.47	0.61
Site1	320	1%	29.00	94.40	95.76	95.76	96.08	0.014322	2.48	11.69	18.67	1.00
Site1	320	10%	16.00	94.40	95.50	95.50	95.75	0.015526	2.21	7.25	14.67	1.00
Site1	200	1%	29.00	92.59	94.40	94.15	94.62	0.006052	2.05	14.16	15.58	0.69
Site1	200	10%	16.00	92.59	94.04	93.81	94.20	0.006057	1.77	9.06	12.46	0.66
Site1	100	1%	29.00	91.78	93.30	93.30	93.72	0.013686	2.88	10.06	12.10	1.01
Site1	100	10%	16.00	91.78	92.95	92.95	93.28	0.014830	2.56	6.26	9.59	1.01
Site1	0	1%	29.00	90.72	92.07	91.85	92.24	0.006002	1.83	15.83	20.68	0.67
Site1	0	10%	16.00	90.72	91.77	91.58	91.90	0.006000	1.57	10.20	16.83	0.64