

Appendix B

HEC-RAS Results – Table of Hydraulic Parameters

Plot 1

HEC-RAS Plan: a1-p1 River: OWENS RIVER 1 Reach: 1 Profile: 43 (Base)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	9342.32	43 (Base)	0.001127	3772.86	0.01	42.89	0.09	0.09	1.31	0.03	0.12	32.86	3.20	0.25	2.25	0.27	1.35
1	9259.41	43 (Base)	0.000340	3772.82	0.33	42.66	0.01	0.04	0.83	0.01	7.95	51.48	0.77	1.21	2.97	0.08	1.78
1	9075.26	43 (Base)	0.000518	3772.74	0.02	42.97	0.01	0.01	0.99	0.08	1.82	43.44	0.09	0.11	2.63	2.18	1.39
1	8930.71	43 (Base)	0.001389	3772.62	0.33	41.64	1.03	0.05	1.31	0.13	6.88	31.77	7.96	0.41	1.92	0.52	0.96
1	8802.55	43 (Base)	0.001231	3772.45	0.49	42.29	0.22	0.09	1.36	0.09	5.28	31.18	2.35	0.52	2.21	0.50	1.34
1	8662.94	43 (Base)	0.000765	3772.32	0.04	42.94	0.02	0.02	1.15	0.02	2.20	37.20	1.05	0.16	2.50	0.11	1.05
1	8482.36	43 (Base)	0.001383	3772.12	0.01	42.98	0.01	0.11	1.43	0.13	0.12	30.07	0.07	1.75	2.19	2.32	2.19
1	8379.25	43 (Base)	0.001021	3772.01	0.24	42.71	0.05	0.05	1.27	0.04	4.58	33.70	1.30	0.40	2.29	0.22	1.23
1	8235.2	43 (Base)	0.000132	3771.98		42.95	0.05		0.65	0.02		66.29	2.96		4.03	0.84	3.46
1	8099.49	43 (Base)	0.000898	3771.93	0.43	42.50	0.06	0.06	1.10	0.05	6.73	38.66	1.25	0.70	2.16	0.17	1.33
1	8024.3	43 (Base)	0.000566	3771.87	0.07	42.91	0.01	0.03	1.12	0.07	2.31	38.46	0.16	0.44	2.97	0.38	2.20
1	7943.76	43 (Base)	0.000492	3771.83	0.01	42.98	0.01	0.07	0.98	0.06	0.14	44.03	0.10	0.23	3.21	1.48	3.08
1	7868.65	43 (Base)	0.000949	3771.78	0.01	42.81	0.19	0.08	1.06	0.05	0.10	40.24	3.51	0.13	1.87	0.74	1.62
1	7776.58	43 (Base)	0.001156	3771.67	0.19	42.81		0.05	1.34		3.70	32.05		0.56	2.28		1.72
1	7626.22	43 (Base)	0.001013	3771.50	0.17	42.82	0.01	0.05	1.50	0.01	3.79	28.61	0.47	0.48	2.96	0.08	1.40
1	7473.27	43 (Base)	0.001154	3771.34	0.08	42.91	0.01	0.03	1.41	0.08	2.39	30.45	0.16	0.34	2.88	1.26	1.86
1	7395.79	43 (Base)	0.000615	3771.28	0.09	42.90	0.00	0.03	1.19	0.01	3.36	36.04	0.43	0.39	3.33	0.10	1.69
1	7217.59	43 (Base)	0.001423	3771.10	0.03	42.97	0.00	0.05	1.57	0.16	0.65	27.36	0.00	0.26	2.47	2.88	2.06
1	7130.21	43 (Base)	0.001335	3770.99	0.00	42.87	0.13	0.01	1.43	0.04	0.25	30.00	3.27	0.04	2.36	0.37	1.19
1	7007.88	43 (Base)	0.000686	3770.88		42.98	0.02		1.12	0.03		38.52	0.54		2.60	0.15	2.11
1	6905.42	43 (Base)	0.000363	3770.84	0.02	42.94	0.03	0.07	0.91	0.02	0.29	47.30	1.48	0.33	3.10	0.23	2.16
1	6798.15	43 (Base)	0.000456	3770.79	0.17	42.83		0.04	0.96		3.90	44.70		0.69	2.86		2.28
1	6675.62	43 (Base)	0.000777	3770.71	0.04	42.95	0.01	0.02	1.15	0.08	2.22	37.42	0.09	0.18	2.55	0.19	1.46
1	6529.52	43 (Base)	0.001382	3770.54		43.00	0.00		1.68	0.05		25.64	0.03		2.89	0.05	1.45
1	6300.67	43 (Base)	0.000490	3770.39	0.00	42.87	0.12	0.04	0.98	0.04	0.07	43.92	2.97	0.76	2.82	0.99	2.52
1	6194.98	43 (Base)	0.001654	3770.27	0.00	43.00	0.00	0.01	1.58	0.13	0.16	27.14	0.02	0.05	2.34	1.88	1.81
1	6087.23	43 (Base)	0.001120	3770.14	0.03	42.97		0.03	1.29		1.13	33.31		0.16	2.37		1.62
1	5994.37	43 (Base)	0.001060	3770.03	0.01	42.88	0.11	0.02	1.43	0.05	0.37	30.07	2.37	0.20	2.70	0.22	1.38
1	5882.8	43 (Base)	0.001328	3769.89	0.45	42.24	0.31	0.09	1.62	0.05	4.88	26.07	6.20	1.07	2.87	0.47	1.39
1	5748.83	43 (Base)	0.000686	3769.78	0.01	42.93	0.06	0.02	1.18	0.04	0.27	36.53	1.75	0.34	2.77	0.19	1.67
1	5625.68	43 (Base)	0.000565	3769.70		43.00	0.00		1.10	0.04		39.15	0.02		3.39	0.17	3.35
1	5504.82	43 (Base)	0.001468	3769.58	0.24	42.76		0.05	1.40		4.53	30.57		0.53	2.22		1.58
1	5388.57	43 (Base)	0.000156	3769.56	0.05	42.94	0.01	0.01	0.58	0.04	3.60	73.78	0.20	0.36	3.00	0.59	2.23
1	5252.36	43 (Base)	0.000446	3769.51	0.03	42.96	0.01	0.02	1.02	0.05	1.46	42.11	0.21	0.63	3.17	1.40	2.78
1	5165.86	43 (Base)	0.000306	3769.49		43.00	0.00		0.76	0.03		56.91	0.05		2.74	0.83	2.74
1	5107.77	43 (Base)	0.000084	3769.48	0.04	42.95	0.00	0.01	0.46	0.01	4.13	92.56	0.04	0.24	3.71	0.51	2.29
1	5030.74	43 (Base)	0.000126	3769.47	0.67	42.24	0.09	0.04	0.70	0.02	17.83	60.68	4.52	1.32	4.66	0.84	2.61
1	4955.94	43 (Base)	0.000582	3769.45	0.39	42.53	0.08	0.03	0.98	0.13	12.85	43.21	0.65	0.43	2.47	0.56	1.17
1	4871.47	43 (Base)	0.000997	3769.37	0.00	42.87	0.13	0.06	1.31	0.04	0.07	32.75	3.23	0.41	2.56	0.32	1.56
1	4801.66	43 (Base)	0.000310	3769.34		42.53	0.47		0.84	0.03		50.36	14.66		3.06	0.68	1.71
1	4733.38	43 (Base)	0.000546	3769.31	0.04	41.47	1.49	0.02	1.15	0.06	1.84	36.19	23.62	0.15	3.18	1.56	1.59
1	4658.93	43 (Base)	0.000895	3769.25	0.02	42.84	0.14	0.01	1.20	0.18	1.70	35.81	0.77	0.06	2.39	0.75	0.88
1	4586.28	43 (Base)	0.000286	3769.23	0.62	42.37	0.01	0.04	0.93	0.07	16.84	45.57	0.09	1.05	3.78	2.75	2.22
1	4507.84	43 (Base)	0.000272	3769.20	0.49	42.49	0.02	0.04	0.87	0.02	11.07	48.57	1.38	1.10	3.59	0.41	2.26
1	4449.9	43 (Base)	0.000280	3769.19	0.25	42.66	0.10	0.02	0.95	0.02	10.78	44.86	5.43	0.41	3.99	0.28	1.07
1	4394.07	43 (Base)	0.000977	3769.13	0.13	42.71	0.16	0.03	1.54	0.04	4.25	27.80	4.06	0.30	3.23	0.48	1.15
1	4320	43 (Base)	0.000521	3769.10		43.00	0.00		0.99	0.05		43.46		0.01	2.65	1.04	2.65
1	4270.18	43 (Base)	0.000730	3769.06	0.04	42.96		0.02	1.22		1.72	35.16		0.27	2.86		1.97
1	4127.22	43 (Base)	0.000449	3768.99	0.00	43.00	0.00	0.05	0.86	0.02	0.01	50.02	0.00	1.14	2.61	0.05	2.60
1	3962.42	43 (Base)	0.000697	3768.88	0.67	41.89	0.44	0.06	1.23	0.06	11.32	34.18	7.59	1.11	2.94	1.15	1.87
1	3772.37	43 (Base)	0.001175	3768.70	1.18	41.82	0.00	0.09	1.56	0.09	12.73	26.77	0.02	1.49	3.28	1.29	2.36
1	3558.63	43 (Base)	0.000952	3768.48	2.23	40.61	0.15	0.13	1.49	0.05	17.43	27.34	3.12	2.94	3.11	0.67	2.47
1	3233.95	43 (Base)	0.000943	3768.17	0.00	42.98	0.02	0.00	1.23	0.01	0.07	35.01	1.44	0.01	2.36	0.08	0.93
1	3092.25	43 (Base)	0.001402	3768.00	1.30	41.46	0.23	0.13	1.52	0.06	10.17	27.26	4.07	2.05	2.38	0.42	1.59
1	2956.08	43 (Base)	0.000675	3767.88	2.93	40.06	0.00	0.33	1.18	0.00	8.97	34.09	0.12	1.77	2.99	0.01	1.52
1	2827.73	43 (Base)	0.000704	3767.79	0.26	42.73	0.01	0.06	1.19	0.01	4.62	36.03	1.15	0.38	2.74	0.10	1.12
1	2723.32	43 (Base)	0.000975	3767.70	0.15	42.41	0.44	0.03	1.34	0.06	4.68	31.73	7.24	0.30	2.62	0.78	1.18

HEC-RAS Plan: a1-p1 River: OWENS RIVER 1 Reach: 1 Profile: 43 (Base) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	2529.93	43 (Base)	0.000608	3767.56	0.48	41.93	0.59	0.06	1.16	0.05	7.90	36.13	12.00	0.94	3.00	0.75	1.53
1	2413.75	43 (Base)	0.000809	3767.48	0.01	42.98	0.00	0.08	1.11	0.06	0.16	38.75	0.06	1.59	2.59	0.11	2.48
1	2304.25	43 (Base)	0.000539	3767.41	0.08	42.92		0.02	1.11		3.31	38.77		0.21	3.17		1.49
1	2149.59	43 (Base)	0.000658	3767.31	0.07	42.80	0.13	0.03	1.14	0.04	2.40	37.61	3.31	0.35	2.74	0.38	1.47
1	2050.57	43 (Base)	0.000454	3767.26	0.18	42.58	0.25	0.03	1.03	0.03	5.53	41.23	7.36	0.62	3.27	0.67	1.66
1	1915.14	43 (Base)	0.000825	3767.17	0.00	42.88	0.11	0.07	1.16	0.03	0.06	36.93	3.31	0.19	2.45	0.23	1.35
1	1771.79	43 (Base)	0.000737	3767.06	0.31	42.47	0.22	0.06	1.24	0.04	5.47	34.16	5.58	0.71	2.88	0.68	1.63
1	1645.71	43 (Base)	0.000452	3766.99	0.37	42.49	0.14	0.04	1.05	0.03	9.61	40.40	4.14	0.78	3.42	0.71	1.81
1	1533.92	43 (Base)	0.000991	3766.91	0.21	42.65	0.13	0.04	1.35	0.04	5.17	31.50	3.78	0.48	2.75	0.36	1.25
1	1419.74	43 (Base)	0.000744	3766.81	0.05	42.90	0.05	0.03	1.24	0.02	1.63	34.55	2.36	0.33	2.84	0.21	1.35
1	1319.17	43 (Base)	0.000815	3766.73	0.78	41.91	0.31	0.08	1.32	0.08	9.71	31.69	4.06	0.67	3.33	0.72	1.53
1	1201.15	43 (Base)	0.000654	3766.65	0.33	42.26	0.41	0.05	1.25	0.06	6.23	33.69	6.48	1.01	3.17	0.83	1.88
1	1077.94	43 (Base)	0.000554	3766.58	0.16	42.68	0.15	0.03	1.19	0.03	4.89	35.76	4.53	0.51	3.31	0.49	1.53
1	934.88	43 (Base)	0.000449	3766.51	0.00	42.80	0.20	0.05	0.95	0.03	0.08	44.95	6.84	0.15	3.08	0.53	1.85
1	778.66	43 (Base)	0.000253	3766.46	0.36	42.33	0.31	0.03	0.89	0.03	11.49	47.71	9.21	0.93	3.93	0.75	1.86
1	647.09	43 (Base)	0.000335	3766.42	0.03	42.82	0.15	0.08	0.78	0.02	0.36	55.23	9.02	0.32	2.63	0.26	1.15
1	518.17	43 (Base)	0.000545	3766.37	0.04	42.42	0.54	0.09	0.96	0.05	0.47	44.00	10.86	0.24	2.50	0.92	1.76
1	375.84	43 (Base)	0.000901	3766.26	12.43	29.82	0.75	0.32	1.50	0.07	38.82	19.86	10.37	1.43	3.26	1.13	1.63

HEC-RAS Plan: a1-p1 River: OWENS RIVER 1 Reach: 1 Profile: 160 (Habitat)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	9342.32	160 (Habitat)	0.000787	3775.51	14.00	131.11	14.89	0.29	1.83	0.25	48.07	71.54	60.37	1.88	4.90	2.51	2.80
1	9259.41	160 (Habitat)	0.000470	3775.47	3.49	145.14	11.38	0.12	1.49	0.22	29.30	97.36	50.97	2.91	5.61	2.22	3.53
1	9075.26	160 (Habitat)	0.000529	3775.37	9.62	137.94	12.44	0.16	1.59	0.17	61.78	86.89	73.00	2.34	5.26	2.06	2.83
1	8930.71	160 (Habitat)	0.000730	3775.28	11.70	128.97	19.33	0.19	1.70	0.33	62.92	75.91	59.23	2.69	4.59	2.57	3.15
1	8802.55	160 (Habitat)	0.000744	3775.18	27.34	125.80	6.86	0.31	1.80	0.29	88.44	69.76	23.37	1.84	4.95	2.37	2.52
1	8662.94	160 (Habitat)	0.000441	3775.12	24.24	114.18	21.57	0.23	1.45	0.26	105.01	78.90	81.96	2.09	5.30	2.25	2.62
1	8482.36	160 (Habitat)	0.000924	3774.97	14.79	140.84	4.37	0.31	2.04	0.18	47.35	69.16	24.13	2.00	5.03	1.51	2.63
1	8379.25	160 (Habitat)	0.000687	3774.90	17.48	136.40	6.12	0.26	1.79	0.24	67.59	76.16	26.01	2.20	5.18	2.50	3.04
1	8235.2	160 (Habitat)	0.000263	3774.85	3.10	148.24	8.66	0.10	1.30	0.18	30.46	114.24	48.58	1.46	6.80	1.84	3.02
1	8099.49	160 (Habitat)	0.000505	3774.80	6.25	130.66	17.86	0.16	1.45	0.28	39.67	90.12	64.58	2.89	5.03	1.66	2.76
1	8024.3	160 (Habitat)	0.000668	3774.73	3.88	143.24	7.65	0.17	1.90	0.24	22.34	75.41	31.78	2.54	5.83	2.10	3.51
1	7943.76	160 (Habitat)	0.000653	3774.68	2.58	142.75	9.44	0.31	1.72	0.22	8.23	83.09	43.17	1.69	6.06	2.20	3.52
1	7868.65	160 (Habitat)	0.000507	3774.65	4.21	146.96	3.60	0.30	1.44	0.15	14.24	101.78	23.47	1.62	4.74	2.48	3.51
1	7776.58	160 (Habitat)	0.000744	3774.58	6.38	135.17	13.22	0.21	1.85	0.33	30.52	72.96	40.18	2.72	5.17	2.02	3.18
1	7626.22	160 (Habitat)	0.000998	3774.42	17.61	133.03	4.13	0.32	2.34	0.18	54.38	56.73	23.61	2.14	5.88	2.51	3.03
1	7473.27	160 (Habitat)	0.001168	3774.25	6.55	138.48	9.74	0.22	2.26	0.30	30.04	61.27	32.85	2.61	5.79	2.42	3.48
1	7395.79	160 (Habitat)	0.000825	3774.19	9.97	141.06	3.73	0.23	2.09	0.18	44.23	67.42	20.43	2.39	6.24	1.99	3.34
1	7217.59	160 (Habitat)	0.001065	3774.01	8.19	135.56	11.02	0.34	2.28	0.28	24.11	59.48	49.46	1.53	5.38	2.36	2.78
1	7130.21	160 (Habitat)	0.000961	3773.93	5.36	139.97	9.43	0.20	2.08	0.23	27.12	67.32	41.05	2.21	5.30	2.54	3.29
1	7007.88	160 (Habitat)	0.000629	3773.84	4.33	146.12	4.32	0.16	1.77	0.22	27.61	82.41	19.30	1.69	5.56	2.25	3.25
1	6905.42	160 (Habitat)	0.000450	3773.80	2.37	145.98	6.41	0.27	1.58	0.20	8.68	92.39	32.55	1.93	6.06	2.29	3.94
1	6798.15	160 (Habitat)	0.000501	3773.74	5.02	146.24	3.51	0.18	1.61	0.27	27.79	90.91	13.15	2.57	5.80	1.60	3.80
1	6675.62	160 (Habitat)	0.000671	3773.66	8.46	143.40	2.91	0.18	1.78	0.31	48.13	80.64	9.29	2.69	5.50	1.55	3.58
1	6529.52	160 (Habitat)	0.001269	3773.49	10.72	133.51	10.54	0.28	2.56	0.28	38.70	52.24	37.02	2.24	5.78	2.41	3.07
1	6300.67	160 (Habitat)	0.000480	3773.36	10.27	140.91	3.59	0.24	1.56	0.12	41.95	90.21	30.38	1.98	5.79	2.72	3.39
1	6194.98	160 (Habitat)	0.001138	3773.24	5.29	139.74	9.75	0.31	2.27	0.25	17.05	61.59	38.38	2.23	5.31	2.38	3.31
1	6087.23	160 (Habitat)	0.000842	3773.15	8.08	145.94	0.75	0.24	1.93	0.11	33.39	75.68	6.98	2.38	5.37	0.97	3.29
1	5994.37	160 (Habitat)	0.000937	3773.05	4.50	140.95	9.31	0.22	2.21	0.23	20.66	63.72	40.58	2.25	5.72	2.80	3.59
1	5882.8	160 (Habitat)	0.001230	3772.91	8.25	134.95	11.57	0.30	2.52	0.22	27.61	53.54	53.34	2.33	5.89	2.94	3.44
1	5748.83	160 (Habitat)	0.000626	3772.82	3.58	141.30	9.89	0.31	1.84	0.24	11.41	76.75	41.82	2.06	5.82	2.64	3.76
1	5625.68	160 (Habitat)	0.000790	3772.73	6.80	147.50	0.47	0.14	1.97	0.20	47.18	74.70	2.39	2.22	6.34	1.26	3.56
1	5504.82	160 (Habitat)	0.000978	3772.62	7.68	145.99	1.10	0.20	1.98	0.19	37.70	73.68	5.89	2.92	5.17	0.98	3.54
1	5388.57	160 (Habitat)	0.000183	3772.61	4.57	149.95	0.25	0.10	1.01	0.09	45.08	148.74	2.62	2.66	6.05	2.11	4.59
1	5252.36	160 (Habitat)	0.000468	3772.55	10.79	134.92	8.10	0.27	1.64	0.16	39.50	82.45	49.70	2.20	6.20	1.88	2.98
1	5165.86	160 (Habitat)	0.000274	3772.53	9.45	141.15	3.21	0.24	1.17	0.12	38.66	120.14	26.99	2.14	5.78	1.36	3.16
1	5107.77	160 (Habitat)	0.00127	3772.53	10.36	143.32	5.46	0.13	0.85	0.07	81.44	168.51	83.16	2.87	6.75	2.16	3.63
1	5030.74	160 (Habitat)	0.000242	3772.50	13.62	134.57	10.95	0.17	1.35	0.08	79.24	100.05	139.93	2.92	7.69	2.65	3.44
1	4955.94	160 (Habitat)	0.000447	3772.47	15.23	141.14	2.77	0.13	1.47	0.27	116.77	96.06	10.23	3.03	5.49	1.85	3.62
1	4871.47	160 (Habitat)	0.000866	3772.38	1.00	145.92	12.23	0.24	2.05	0.22	4.21	71.26	56.24	1.16	5.58	1.71	2.67
1	4801.66	160 (Habitat)	0.000351	3772.37	4.82	142.28	12.05	0.14	1.42	0.13	34.13	100.14	91.45	2.11	6.08	3.12	3.64
1	4733.38	160 (Habitat)	0.000554	3772.32	23.03	127.00	9.11	0.30	1.80	0.13	75.90	70.54	70.31	2.86	6.20	4.46	4.04
1	4658.93	160 (Habitat)	0.000633	3772.28	16.80	140.76	1.58	0.16	1.74	0.28	103.65	81.11	5.73	2.50	5.42	2.54	3.25
1	4586.28	160 (Habitat)	0.000438	3772.24	10.05	139.41	9.68	0.13	1.70	0.13	75.02	81.97	75.94	3.23	6.79	2.53	3.57
1	4507.84	160 (Habitat)	0.000380	3772.22	16.87	138.68	3.59	0.20	1.55	0.09	83.27	89.37	40.05	2.29	6.60	2.08	3.08
1	4449.9	160 (Habitat)	0.000412	3772.19	11.63	131.69	15.82	0.12	1.67	0.14	96.02	78.63	113.29	3.14	6.99	2.26	3.13
1	4394.07	160 (Habitat)	0.001237	3772.08	11.76	141.78	5.60	0.22	2.66	0.17	54.67	53.20	32.78	2.82	6.18	3.04	3.62
1	4320	160 (Habitat)	0.000496	3772.07	10.23	146.93	1.98	0.12	1.59	0.10	85.65	92.22	19.08	2.85	5.62	1.54	3.35
1	4270.18	160 (Habitat)	0.000737	3772.02	3.95	141.18	14.88	0.16	1.97	0.23	24.33	71.72	63.76	2.75	5.81	2.16	3.15
1	4127.22	160 (Habitat)	0.000436	3771.96	8.73	150.41	0.85	0.14	1.41	0.21	63.88	106.95	4.12	2.22	5.59	1.52	3.45
1	3962.42	160 (Habitat)	0.000810	3771.83	8.91	143.87	7.22	0.18	2.10	0.20	49.22	68.49	36.69	3.08	5.88	2.68	3.74
1	3772.37	160 (Habitat)	0.001589	3771.57	10.48	138.89	10.63	0.22	2.76	0.23	48.42	50.24	46.29	3.48	6.16	2.38	3.49
1	3558.63	160 (Habitat)	0.001228	3771.29	16.41	134.80	8.79	0.20	2.59	0.31	80.96	52.02	28.72	2.84	5.93	2.12	3.18
1	3233.95	160 (Habitat)	0.000750	3771.01	8.74	142.85	8.42	0.23	1.85	0.14	37.97	77.09	60.39	1.76	5.19	2.53	2.91
1	3092.25	160 (Habitat)	0.000804	3770.90	28.05	118.59	13.36	0.28	1.96	0.26	98.59	60.52	51.34	2.30	5.28	2.22	2.72
1	2956.08	160 (Habitat)	0.000769	3770.79	15.58	132.41	12.01	0.52	1.97	0.21	30.19	67.19	57.51	3.12	5.90	2.15	3.24
1	2827.73	160 (Habitat)	0.000694	3770.69	12.34	141.63	6.03	0.23	1.91	0.14	53.80	74.27	42.58	2.43	5.64	2.59	3.30
1	2723.32	160 (Habitat)	0.000809	3770.61	15.93	134.49	9.58	0.23	2.01	0.22	69.12	67.07	44.03	2.69	5.53	2.76	3.35
1	2529.93	160 (Habitat)	0.000707	3770.47	9.54	139.76	10.71	0.24	1.97	0.17	40.09	71.12	64.20	3.18	5.91	3.19	3.92
1	2413.75	160 (Habitat)	0.000740	3770.39	11.28	144.43	4.29	0.18	1.75	0.39	63.35	82.37	11.12	2.55	5.50	2.10	3.48
1	2304.25	160 (Habitat)	0.000753	3770.29	10.90	148.82	0.28	0.19	2.01	0.10	58.57	74.13	2.89	2.53	6.02	0.54	3.32

HEC-RAS Plan: a1-p1 River: OWENS RIVER 1 Reach: 1 Profile: 160 (Habitat) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	2149.59	160 (Habitat)	0.000678	3770.19	7.79	143.76	8.45	0.22	1.86	0.22	35.02	77.12	38.52	2.44	5.61	2.63	3.52
1	2050.57	160 (Habitat)	0.000656	3770.12	6.10	145.95	7.96	0.16	1.89	0.16	38.64	77.30	48.38	2.90	6.13	2.89	3.85
1	1915.14	160 (Habitat)	0.000734	3770.03	1.50	146.29	12.21	0.28	1.83	0.22	5.34	79.87	54.42	1.44	5.31	2.61	3.53
1	1771.79	160 (Habitat)	0.000903	3769.89	8.62	146.90	4.48	0.24	2.17	0.14	35.65	67.66	31.67	2.62	5.71	2.80	3.67
1	1645.71	160 (Habitat)	0.000726	3769.80	8.45	146.16	5.39	0.16	1.99	0.19	51.34	73.54	28.66	2.94	6.22	2.46	3.75
1	1533.92	160 (Habitat)	0.001059	3769.69	7.84	141.23	10.93	0.19	2.23	0.24	40.87	63.34	45.37	2.83	5.52	2.39	3.33
1	1419.74	160 (Habitat)	0.000852	3769.58	8.06	142.88	9.06	0.29	2.09	0.20	27.56	68.29	44.99	2.54	5.60	2.40	3.37
1	1319.17	160 (Habitat)	0.001114	3769.48	19.58	133.33	7.10	0.31	2.31	0.28	62.56	57.76	25.03	2.34	6.08	2.50	3.15
1	1201.15	160 (Habitat)	0.000909	3769.36	11.58	139.36	9.06	0.21	2.23	0.26	54.95	62.45	34.34	2.99	5.88	2.91	3.72
1	1077.94	160 (Habitat)	0.000837	3769.25	11.39	140.77	7.84	0.24	2.18	0.21	47.94	64.66	37.05	2.29	5.99	2.46	3.20
1	934.88	160 (Habitat)	0.000663	3769.16	5.51	146.37	8.11	0.32	1.75	0.11	17.26	83.66	71.49	1.46	5.73	2.31	3.00
1	778.66	160 (Habitat)	0.000536	3769.07	8.15	143.65	8.20	0.14	1.81	0.17	56.73	79.31	49.13	2.44	6.54	2.67	3.44
1	647.09	160 (Habitat)	0.000404	3769.02	2.74	147.59	9.67	0.26	1.35	0.09	10.46	109.70	102.60	1.72	5.23	2.71	3.43
1	518.17	160 (Habitat)	0.000563	3768.95	11.07	140.76	8.17	0.21	1.57	0.16	51.66	89.48	51.90	1.50	5.09	2.49	2.65
1	375.84	160 (Habitat)	0.000900	3768.84	72.75	78.90	8.35	0.58	2.22	0.20	126.43	35.61	42.18	3.24	5.85	2.46	3.28

Plot 2

HEC-RAS Plan: a2-p1 River: Owens River Reach: 1 Profile: Base (49)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	12904.09	Base (49)	0.000564	3759.80	0.01	48.99	0.00	0.06	1.14	0.00	0.09	42.87	0.17	1.45	3.13	0.02	1.90
1	12807.04	Base (49)	0.000807	3759.73	0.06	48.93	0.01	0.03	1.28	0.01	2.50	38.21	0.62	0.26	2.80	0.10	1.40
1	12752.87	Base (49)	0.000471	3759.70		48.83	0.17		1.06	0.03		46.00	5.02		3.28	0.66	2.36
1	12682.96	Base (49)	0.000785	3759.65	0.08	48.87	0.06	0.03	1.27	0.03	2.26	38.42	1.67	0.48	2.82	0.21	1.61
1	12568.02	Base (49)	0.000647	3759.57	0.14	48.84	0.03	0.04	1.22	0.02	3.55	39.99	1.22	0.53	3.07	0.25	1.81
1	12423.47	Base (49)	0.000251	3759.53	17.71	30.14	1.15	0.36	0.75	0.35	49.64	40.26	3.25	2.08	3.31	1.15	2.40
1	12304	Base (49)	0.001595	3759.43	0.14	48.76	0.09	0.04	1.55	0.04	3.85	31.53	2.40	0.27	2.21	0.26	0.99
1	12191.99	Base (49)	0.001338	3759.26		49.00	0.00		1.66	0.01		29.54	0.08		2.84	0.02	2.09
1	12026.19	Base (49)	0.001209	3759.06	0.02	48.92	0.06	0.11	1.45	0.04	0.19	33.77	1.60	1.92	2.51	0.21	1.67
1	11907.94	Base (49)	0.000630	3758.97		49.00	0.00		0.96	0.03		51.23	0.02		2.31	0.04	2.25
1	11766.3	Base (49)	0.001153	3758.83	0.05	48.95	0.00	0.13	1.51	0.11	0.37	32.32	0.01	2.96	2.75	1.90	2.75
1	11553.63	Base (49)	0.000471	3758.69	0.29	48.53	0.18	0.04	1.20	0.05	6.46	40.52	3.71	1.11	3.82	1.19	2.59
1	11429.49	Base (49)	0.000853	3758.60	0.00	49.00	0.00	0.06	1.42	0.09	0.05	34.56	0.01	0.13	3.20	2.99	3.09
1	11327.12	Base (49)	0.000528	3758.54	0.01	48.95	0.04	0.02	1.02	0.05	0.65	47.94	0.92	0.33	2.74	0.48	2.31
1	11238.88	Base (49)	0.000242	3758.52	0.01	48.87	0.12	0.03	0.73	0.02	0.24	67.21	5.97	0.17	2.98	0.42	1.92
1	11139.46	Base (49)	0.000291	3758.49	0.28	48.54	0.18	0.03	0.87	0.03	8.53	56.06	6.44	0.81	3.40	0.64	1.92
1	11069.76	Base (49)	0.000338	3758.46	0.06	48.93	0.01	0.02	1.03	0.01	2.71	47.55	1.07	0.48	3.92	0.10	1.77
1	10959.03	Base (49)	0.000689	3758.40	0.35	47.95	0.70	0.07	1.24	0.05	5.13	38.80	13.38	1.60	2.97	0.89	1.83
1	10797.8	Base (49)	0.001008	3758.26	1.07	47.47	0.46	0.09	1.44	0.06	12.47	33.04	7.50	1.45	2.79	0.86	1.82
1	10707.97	Base (49)	0.001187	3758.16	0.47	48.06	0.47	0.05	1.51	0.06	9.76	31.75	7.66	0.54	2.80	0.76	1.24
1	10606.82	Base (49)	0.001062	3758.05	0.02	48.97	0.01	0.13	1.31	0.09	0.13	37.29	0.10	2.62	2.43	0.17	2.35
1	10511.83	Base (49)	0.001274	3757.94		49.00	0.00		1.30	0.11		37.75	0.00		2.07	1.65	2.07
1	10423.02	Base (49)	0.000828	3757.85	1.89	46.93	0.18	0.07	1.33	0.04	26.69	35.27	4.17	1.24	2.91	0.65	1.65
1	10323.03	Base (49)	0.001593	3757.72	0.12	48.88	0.00	0.05	1.66	0.06	2.45	29.46	0.04	0.42	2.62	0.07	1.81
1	10261.49	Base (49)	0.000585	3757.68	0.05	48.52	0.43	0.11	1.05	0.06	0.40	46.17	7.69	0.43	2.71	1.18	2.22
1	10180.72	Base (49)	0.000278	3757.66	0.13	48.66	0.20	0.04	0.84	0.04	3.60	58.21	5.67	1.16	3.30	0.81	2.43
1	10053.01	Base (49)	0.001030	3757.57	1.53	46.94	0.53	0.07	1.56	0.08	21.84	30.18	6.78	1.06	3.12	1.27	1.65
1	9953.6	Base (49)	0.000861	3757.47	1.31	44.60	3.09	0.07	1.59	0.10	18.67	27.98	31.71	1.22	3.70	1.99	2.02
1	9854.39	Base (49)	0.000517	3757.42	0.11	48.82	0.07	0.05	1.11	0.02	2.43	44.06	2.78	1.13	3.15	0.39	2.12
1	9774.31	Base (49)	0.001369	3757.33	0.38	48.15	0.46	0.07	1.60	0.06	5.37	30.03	8.07	1.00	2.62	0.63	1.44
1	9680.08	Base (49)	0.000749	3757.25	0.01	47.13	1.87	0.06	1.25	0.07	0.10	37.85	26.15	0.34	2.89	1.38	1.98
1	9524.11	Base (49)	0.000563	3757.16	1.25	46.70	1.05	0.05	1.14	0.05	26.41	41.06	21.29	0.90	3.05	0.97	1.38
1	9366.41	Base (49)	0.000785	3757.05	0.75	48.22	0.02	0.06	1.15	0.04	12.83	40.79	0.57	1.00	2.51	0.50	1.80
1	9145.95	Base (49)	0.000721	3756.88	1.57	47.40	0.04	0.07	1.13	0.08	21.15	41.79	0.47	1.50	2.64	1.51	2.10
1	9000.14	Base (49)	0.003031	3756.69	0.01	48.96	0.04	0.12	1.24	0.10	0.06	39.46	0.36	0.11	0.98	0.83	0.97
1	8890.85	Base (49)	0.000594	3756.57		48.83	0.17		0.88	0.04		55.56	4.50		2.01	0.76	1.79
1	8808.63	Base (49)	0.007449	3756.45		47.71	1.29		0.95	0.66		49.99	1.94		1.19	0.95	1.18
1	8657.86	Base (49)	0.000084	3756.42	0.01	48.96	0.02	0.01	0.38	0.01	1.16	130.16	3.38	0.31	2.47	0.13	1.64
1	8580.95	Base (49)	0.001249	3756.39	1.44	33.73	13.83	0.12	0.92	0.12	12.42	36.60	114.92	1.72	4.53	1.95	2.21
1	8480.95	Base (49)	0.002311	3756.22	1.64	42.91	4.45	0.15	1.22	0.20	11.17	35.16	22.11	1.65	4.35	2.90	3.04
1	8408.07	Base (49)	0.000256	3756.18	10.34	37.44	1.22	0.31	0.98	0.03	33.01	38.18	40.98	3.14	4.40	0.80	1.59
1	8282.62	Base (49)	0.000376	3756.13	0.88	44.13	3.99	0.06	1.20	0.06	15.07	36.73	70.13	1.80	4.49	1.61	2.03
1	8153.24	Base (49)	0.007752	3755.98	15.68	30.98	2.34	0.23	1.88	0.24	68.26	16.50	9.63	1.38	3.23	1.56	1.55
1	8042.82	Base (49)	0.001961	3755.62	7.13	39.70	2.17	0.11	1.09	0.14	65.05	36.30	15.03	1.26	3.96	1.69	1.67
1	7903.41	Base (49)	0.014188	3755.04	19.55	19.68	9.77	0.33	0.64	0.45	59.14	30.91	21.93	1.50	4.03	2.21	1.97
1	7761.02	Base (49)	0.000252	3754.92	1.93	46.50	0.57	0.04	0.92	0.03	45.20	50.67	19.78	1.44	4.11	0.80	1.69
1	7656.59	Base (49)	0.000308	3754.89	0.00	48.57	0.43	0.07	0.95	0.03	0.00	51.14	13.37	2.78	3.70	0.81	2.12
1	7502.26	Base (49)	0.000827	3754.78	0.40	46.95	1.66	0.17	1.74	0.07	2.38	27.04	24.69	4.76	4.41	1.17	1.96
1	7281	Base (49)	0.001494	3754.53	4.87	43.09	1.04	0.10	2.09	0.11	50.79	20.64	9.69	1.27	3.63	1.58	1.57
1	7189.72	Base (49)	0.000661	3754.46	1.24	47.51	0.25	0.05	1.39	0.05	23.35	34.16	4.51	0.96	3.75	1.22	1.67
1	7056.02	Base (49)	0.000384	3754.40	0.84	47.42	0.74	0.03	1.16	0.04	28.29	40.84	17.00	0.61	4.18	1.03	1.18
1	6978.9	Base (49)	0.000374	3754.37	2.79	45.70	0.51	0.04	1.08	0.03	72.22	42.29	17.52	0.91	3.83	0.59	1.10
1	6870.73	Base (49)	0.001245	3754.26	2.06	45.56	1.37	0.10	1.95	0.07	21.62	23.41	20.86	1.49	3.78	0.43	0.95
1	6707.56	Base (49)	0.001636	3754.02	1.64	39.43	7.93	0.08	2.36	0.15	19.52	16.70	52.00	0.97	4.12	1.22	1.32
1	6568.69	Base (49)	0.000309	3753.97	1.25	46.84	0.91	0.04	0.99	0.05	35.42	47.29	18.19	0.93	3.89	1.10	1.51
1	6465.87	Base (49)	0.000676	3753.91	3.26	43.25	2.49	0.05	1.45	0.07	63.65	29.88	35.15	0.87	3.98	1.40	1.22
1	6367.59	Base (49)	0.000263	3753.88	0.38	40.11	8.51	0.06	1.17	0.06	6.40	34.40	131.67	1.06	6.05	2.42	2.61

HEC-RAS Plan: a2-p1 River: Owens River Reach: 1 Profile: Base (49) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	6215.28	Base (49)	0.000517	3753.81	0.43	46.60	1.97	0.04	1.31	0.05	11.21	35.55	40.30	0.73	4.01	1.00	1.35
1	6019.34	Base (49)	0.000128	3753.78	1.68	46.70	0.62	0.04	0.72	0.04	46.15	65.28	14.02	1.89	4.63	2.53	2.85
1	5871.26	Base (49)	0.000419	3753.74	1.95	44.67	2.38	0.06	1.13	0.06	35.00	39.65	39.94	1.47	3.74	1.47	1.86
1	5761.13	Base (49)	0.024762	3753.60	4.22	38.96	5.82	0.40	0.84	0.20	10.65	46.40	28.57	1.34	4.08	0.45	1.04
1	5574.26	Base (49)	0.000475	3753.31	0.53	47.04	1.43	0.06	1.21	0.06	9.20	38.96	24.12	1.45	3.78	1.49	2.20
1	5423.23	Base (49)	0.000239	3753.27	1.65	45.43	1.92	0.03	0.88	0.04	51.03	51.51	47.27	0.99	3.95	1.41	1.52
1	5074	Base (49)	0.000084	3753.23	0.61	48.14	0.25	0.02	0.64	0.02	30.89	75.29	13.61	1.00	5.35	0.93	2.01
1	4922.26	Base (49)	0.003036	3753.19	41.32	7.66	0.02	0.24	0.24	0.16	171.72	31.63	0.11	2.73	3.75	0.18	2.83
1	4848.46	Base (49)	0.000740	3753.06	1.40	47.58	0.02	0.05	1.50	0.02	30.84	31.78	0.80	0.72	4.10	0.16	1.14
1	4734.85	Base (49)	0.000385	3753.01		44.98	4.02		1.18	0.06		38.25	70.90		4.44	1.60	2.06
1	4645.1	Base (49)	0.000118	3753.00	0.36	45.57	3.07	0.03	0.76	0.05	11.90	59.77	63.39	1.66	5.41	3.12	3.51
1	4472.94	Base (49)	0.000052	3752.99	0.87	47.40	0.74	0.02	0.50	0.02	35.88	94.67	37.32	2.02	5.32	1.48	2.77
1	4315.1	Base (49)	0.000041	3752.98	0.33	29.69	18.99	0.01	0.47	0.13	24.93	63.56	146.85	0.96	5.69	3.55	3.00
1	4275.1	Base (49)	0.000008	3752.98	0.15	48.70	0.15	0.01	0.20	0.01	25.23	240.41	16.79	0.98	5.39	2.11	3.60
1	3926.46	Base (49)	0.000126	3752.97	1.74	46.70	0.56	0.03	0.72	0.03	62.54	64.59	19.43	1.27	4.74	1.38	1.90
1	3850	Base (49)	0.001140	3752.91	5.14	41.91	1.95	0.07	1.75	0.08	72.72	23.38	23.48	0.99	3.54	0.87	1.12
1	3665.66	Base (49)	0.001677	3752.84	2.93	44.49	1.58	0.06	2.06	0.09	46.17	21.59	18.10	0.63	3.27	0.97	0.88
1	3539.16	Base (49)	0.000319	3752.59	0.76	46.25	2.00	0.04	1.03	0.05	17.22	44.70	43.60	1.28	4.07	1.33	1.85
1	3368.75	Base (49)	0.000527	3752.51	0.23	44.19	4.58	0.04	1.36	0.06	6.08	32.39	77.25	0.71	4.29	1.34	1.57
1	3226.91	Base (49)	0.000704	3752.41	2.03	46.90	0.08	0.05	1.62	0.02	37.85	28.97	3.45	0.82	4.43	0.11	0.83
1	3029.41	Base (49)	0.013648	3752.07	1.07	47.22	0.70	0.07	0.56	0.08	16.41	84.73	9.09	0.13	3.37	0.17	0.54
1	2854.58	Base (49)	0.000450	3751.82	2.09	44.54	2.38	0.08	1.29	0.08	24.98	34.65	28.45	2.57	4.32	2.28	2.91
1	2718.22	Base (49)	0.002728	3751.71	30.45	8.21	10.34	0.22	0.26	0.18	135.86	32.19	56.59	2.56	3.52	2.10	2.52
1	2579.71	Base (49)	0.002265	3751.29	2.23	39.79	6.98	0.10	2.45	0.10	22.66	16.25	68.80	0.97	3.38	1.01	1.12
1	2378.27	Base (49)	0.001122	3751.00	4.47	42.57	1.96	0.09	1.62	0.06	48.06	26.26	35.17	1.53	3.16	0.70	1.22
1	2220.59	Base (49)	0.000723	3750.87	1.13	43.46	4.41	0.08	1.36	0.08	13.37	31.96	57.18	1.84	3.31	1.57	1.92
1	1991.48	Base (49)	0.000298	3750.78	3.15	45.10	0.75	0.04	0.96	0.04	71.63	46.84	16.88	1.32	3.87	1.23	1.69
1	1904.97	Base (49)	0.000729	3750.71	2.04	46.96		0.06	1.54		31.69	30.42		1.21	3.98		1.83
1	1817.44	Base (49)	0.000890	3750.65	5.76	36.24	7.01	0.11	1.62	0.10	54.68	22.35	69.94	2.15	3.71	1.98	2.20
1	1707.8	Base (49)	0.002542	3750.43	2.47	43.03	3.50	0.16	2.56	0.09	15.52	16.80	38.39	1.87	3.33	0.81	1.17
1	1437.01	Base (49)	0.001032	3750.04	2.16	43.37	3.47	0.11	1.85	0.07	19.92	23.49	48.53	1.78	4.19	0.84	1.23
1	1245.65	Base (49)	0.000357	3749.95	3.35	42.42	3.23	0.05	1.05	0.05	70.43	40.31	60.06	1.28	3.85	1.57	1.65
1	1038.68	Base (49)	0.000955	3749.80	2.23	45.57	1.20	0.05	1.86	0.07	46.45	24.50	16.70	0.61	4.41	1.07	0.90
1	841.15	Base (49)	0.001865	3749.54	4.85	31.61	12.54	0.10	2.35	0.15	48.94	13.44	81.70	1.09	3.73	2.07	1.64
1	602.25	Base (49)	0.000992	3749.24	7.31	38.72	2.96	0.11	1.71	0.10	65.06	22.65	30.41	2.11	3.71	1.72	2.16
1	471.87	Base (49)	0.000229	3749.20	5.00	43.71	0.29	0.05	0.76	0.08	91.28	57.64	3.52	2.13	3.37	0.41	2.22
1	373.24	Base (49)	0.000468	3749.15	3.57	42.24	3.18	0.08	1.29	0.06	47.53	32.68	53.45	2.05	4.23	1.47	1.98
1	262.36	Base (49)	0.001000	3749.06	0.53	37.87	10.60	0.06	1.87	0.10	8.28	20.23	102.54	0.81	4.19	1.80	1.82

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	12904.09	Habitat (120)	0.000681	3761.63	1.74	115.97	2.29	0.14	1.71	0.12	12.23	67.94	19.61	1.04	4.96	1.58	2.63
1	12807.04	Habitat (120)	0.000815	3761.55	3.24	113.33	3.43	0.14	1.80	0.08	23.99	63.05	45.62	1.72	4.63	1.11	1.93
1	12752.87	Habitat (120)	0.000621	3761.52	0.84	116.91	2.25	0.11	1.63	0.08	7.67	71.51	26.79	1.19	5.09	1.78	2.98
1	12682.96	Habitat (120)	0.000778	3761.46	3.34	111.35	5.31	0.13	1.76	0.22	25.89	63.15	24.66	1.40	4.63	1.49	2.34
1	12568.02	Habitat (120)	0.000768	3761.37	3.30	114.93	1.77	0.15	1.81	0.13	21.96	63.48	13.58	1.41	4.87	1.43	2.59
1	12423.47	Habitat (120)	0.000280	3761.33	48.37	65.79	5.84	0.50	1.06	0.68	97.33	62.25	8.59	3.35	5.12	2.79	3.79
1	12304	Habitat (120)	0.001105	3761.23	5.28	109.64	5.08	0.15	1.92	0.19	35.00	57.23	26.66	1.71	4.01	1.52	2.27
1	12191.99	Habitat (120)	0.001238	3761.08	11.66	107.66	0.69	0.26	2.22	0.10	44.72	48.57	7.07	1.44	4.65	1.72	2.20
1	12026.19	Habitat (120)	0.000974	3760.91	2.67	110.55	6.79	0.10	1.88	0.12	27.17	58.76	57.40	1.11	4.36	1.16	1.63
1	11907.94	Habitat (120)	0.000474	3760.86	2.01	114.77	3.23	0.09	1.23	0.23	23.15	92.99	13.92	1.60	4.20	1.13	2.66
1	11766.3	Habitat (120)	0.001101	3760.71	1.29	114.06	4.66	0.14	2.10	0.15	8.91	54.42	31.35	1.41	4.63	1.45	2.38
1	11553.63	Habitat (120)	0.000692	3760.54	2.75	113.54	3.70	0.10	1.89	0.16	27.15	60.10	23.43	2.04	5.67	1.21	2.56
1	11429.49	Habitat (120)	0.001026	3760.42	4.75	113.57	1.68	0.10	2.10	0.18	47.39	54.15	9.24	1.34	5.02	1.16	2.05
1	11327.12	Habitat (120)	0.000560	3760.36	0.48	117.98	1.54	0.09	1.48	0.18	5.41	79.84	8.56	1.84	4.55	1.14	3.35
1	11238.88	Habitat (120)	0.000254	3760.35	6.14	111.12	2.74	0.18	1.03	0.08	34.72	108.36	35.29	1.20	4.81	2.05	2.60
1	11139.46	Habitat (120)	0.000385	3760.30	3.25	113.91	2.84	0.10	1.33	0.10	32.41	85.92	29.07	1.97	5.21	1.83	3.02
1	11069.76	Habitat (120)	0.000518	3760.26	1.73	113.54	4.73	0.08	1.64	0.13	21.48	69.33	36.07	1.50	5.71	1.51	2.51
1	10959.03	Habitat (120)	0.000793	3760.18	2.27	112.42	5.31	0.13	1.81	0.13	17.19	62.01	42.15	1.56	4.74	2.42	2.92
1	10797.8	Habitat (120)	0.001004	3760.03	9.00	107.08	3.91	0.17	1.99	0.15	51.46	53.90	25.85	1.54	4.56	2.15	2.30
1	10707.97	Habitat (120)	0.001240	3759.92	5.41	110.41	4.19	0.13	2.14	0.13	41.73	51.61	31.01	2.29	4.56	2.05	2.78
1	10606.82	Habitat (120)	0.000940	3759.82	4.83	114.42	0.75	0.11	1.78	0.24	43.92	64.36	3.07	1.58	4.20	0.87	2.38
1	10511.83	Habitat (120)	0.000861	3759.74	0.00	114.11	5.89	0.01	1.62	0.09	0.02	70.51	66.56	0.98	3.87	1.20	1.86
1	10423.02	Habitat (120)	0.000889	3759.65	9.29	108.48	2.23	0.14	1.90	0.13	67.70	57.08	17.66	2.73	4.70	2.05	3.13
1	10323.03	Habitat (120)	0.001400	3759.52	2.59	109.52	7.89	0.17	2.20	0.15	15.16	49.71	51.72	1.72	4.41	1.53	2.16
1	10261.49	Habitat (120)	0.000597	3759.49	0.92	114.95	4.13	0.24	1.49	0.09	3.85	76.99	43.90	1.34	4.51	1.27	2.29
1	10180.72	Habitat (120)	0.000372	3759.46	1.62	116.37	2.01	0.06	1.29	0.10	26.52	89.99	20.42	1.64	5.10	2.00	3.11
1	10053.01	Habitat (120)	0.001239	3759.33	8.82	108.32	2.86	0.14	2.30	0.13	62.93	47.15	22.03	2.46	4.88	2.10	2.89
1	9953.6	Habitat (120)	0.001242	3759.20	7.58	101.17	11.25	0.16	2.47	0.18	48.08	40.98	61.61	2.55	5.42	3.27	3.33
1	9854.39	Habitat (120)	0.000689	3759.13	2.20	116.04	1.76	0.11	1.71	0.10	20.23	67.97	16.95	1.28	4.86	1.79	2.68
1	9774.31	Habitat (120)	0.001365	3759.03	5.42	110.13	4.45	0.16	2.23	0.14	33.13	49.37	31.12	1.32	4.32	2.14	2.22
1	9680.08	Habitat (120)	0.000881	3758.94	2.17	110.02	7.81	0.10	1.83	0.13	20.89	59.97	58.98	1.10	4.57	2.96	2.69
1	9524.11	Habitat (120)	0.000613	3758.84	10.76	101.34	6.00	0.12	1.59	0.10	88.92	63.72	59.21	2.03	4.73	2.55	2.63
1	9366.41	Habitat (120)	0.000786	3758.72	4.40	112.74	0.96	0.11	1.66	0.20	40.22	67.88	4.74	1.82	4.19	1.23	2.68
1	9145.95	Habitat (120)	0.000734	3758.56	5.79	108.32	5.89	0.11	1.59	0.06	53.89	68.25	103.41	2.16	4.31	0.92	1.47
1	9000.14	Habitat (120)	0.000508	3758.48	0.96	113.37	5.68	0.21	1.02	0.08	4.54	111.63	68.95	1.01	2.77	1.45	2.00
1	8890.85	Habitat (120)	0.000371	3758.43	3.55	114.95	1.49	0.05	1.07	0.08	71.93	106.98	17.63	1.18	3.87	2.10	2.02
1	8808.63	Habitat (120)	0.001272	3758.39	17.34	98.91	3.75	0.22	0.75	0.43	78.18	131.71	8.64	1.11	3.12	1.74	1.86
1	8657.86	Habitat (120)	0.000069	3758.36	1.00	116.75	2.25	0.07	0.50	0.04	14.37	232.55	57.78	1.62	4.42	1.97	3.35
1	8580.95	Habitat (120)	0.001386	3758.34	7.61	64.45	47.94	0.25	1.23	0.21	30.57	52.31	232.42	2.74	6.47	3.74	3.87
1	8480.95	Habitat (120)	0.002643	3758.13	9.15	84.34	26.51	0.32	1.67	0.20	28.32	50.64	131.93	2.63	6.27	2.14	2.62
1	8408.07	Habitat (120)	0.000368	3758.08	25.06	81.66	13.28	0.45	1.49	0.09	55.71	54.66	147.80	4.17	6.30	2.43	3.11
1	8282.62	Habitat (120)	0.000572	3758.00	3.99	97.24	18.77	0.12	1.87	0.12	32.61	52.04	155.07	3.04	6.36	3.29	3.63
1	8153.24	Habitat (120)	0.005230	3757.84	55.48	54.23	10.29	0.34	2.09	0.42	163.30	25.98	24.75	3.10	5.09	2.52	3.17
1	8042.82	Habitat (120)	0.001916	3757.52	34.11	75.54	10.35	0.20	1.40	0.28	166.50	53.77	36.86	3.05	5.87	2.60	3.30
1	7903.41	Habitat (120)	0.007666	3757.06	65.60	28.44	25.95	0.45	0.61	0.56	145.53	46.37	46.35	3.19	6.05	3.18	3.51
1	7761.02	Habitat (120)	0.000335	3756.91	10.07	103.61	6.32	0.09	1.38	0.09	114.20	75.16	73.96	3.04	6.09	2.49	3.31
1	7656.59	Habitat (120)	0.000383	3756.86	2.13	110.57	7.30	0.12	1.41	0.07	18.20	78.47	98.39	1.57	5.67	2.13	2.73
1	7502.26	Habitat (120)	0.000974	3756.73	9.42	93.76	16.82	0.11	2.41	0.18	87.37	38.98	92.34	1.79	6.36	1.87	2.09
1	7281	Habitat (120)	0.001550	3756.44	25.07	88.82	6.11	0.19	2.82	0.19	134.48	31.52	32.64	2.84	5.54	2.13	2.91
1	7189.72	Habitat (120)	0.000730	3756.37	18.77	99.23	2.01	0.12	1.92	0.14	157.30	51.59	14.06	2.16	5.67	2.16	2.52
1	7056.02	Habitat (120)	0.000507	3756.30	11.54	101.79	6.67	0.09	1.71	0.12	124.87	59.43	54.49	2.26	6.08	2.45	2.73
1	6978.9	Habitat (120)	0.000384	3756.28	21.82	90.75	7.43	0.09	1.43	0.09	246.99	63.32	84.24	2.57	5.73	1.94	2.62
1	6870.73	Habitat (120)	0.001088	3756.17	8.80	84.09	27.11	0.16	2.39	0.21	54.05	35.21	131.12	2.76	5.69	2.04	2.45
1	6707.56	Habitat (120)	0.001250	3755.98	12.31	66.03	41.66	0.18	2.68	0.21	67.24	24.68	199.32	2.46	6.08	2.43	2.57
1	6568.69	Habitat (120)	0.000384	3755.92	10.46	102.56	6.98	0.09	1.45	0.13	119.05	70.93	55.18	2.31	5.83	2.59	2.88
1	6465.87	Habitat (120)	0.000653	3755.85	25.63	82.51	11.86	0.12	1.85	0.13	213.18	44.48	88.16	2.69	5.92	3.02	2.98
1	6367.59	Habitat (120)	0.000469	3755.80	2.95	84.75	32.30	0.15	1.87	0.13	19.75	45.31	241.72	2.50	7.97	4.01	4.15
1	6215.28	Habitat (120)	0.000661	3755.70	4.84	100.34	14.82	0.11	1.92	0.12	43.62	52.32	122.39	2.30	5.89	2.64	2.94
1	6019.34	Habitat (120)	0.000229	3755.65	8.09	109.67	2.24	0.07	1.20	0.07	119.84	91.65	31.95	2.94	6.50	3.02	3.72
1	5871.26	Habitat (120)	0.000531	3755.59	9.69	98.12	12.20	0.11	1.66	0.13	84.25	59.23	95.71	2.86	5.59	2.86	3.25

HEC-RAS Plan: a2-p1 River: Owens River Reach: 1 Profile: Habitat (120) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Vel Left (ft/s)	Vel Chnl (ft/s)	Vel Right (ft/s)	Flow Area L (sq ft)	Flow Area Ch (sq ft)	Flow Area R (sq ft)	Hydr Depth L (ft)	Hydr Depth C (ft)	Hydr Depth R (ft)	Hydr Depth (ft)
1	5761.13	Habitat (120)	0.006232	3755.47	11.48	36.67	71.86	0.40	0.54	0.41	28.54	67.68	174.59	2.55	5.94	1.93	2.39
1	5574.26	Habitat (120)	0.000514	3755.20	3.84	96.22	19.94	0.10	1.65	0.14	39.90	58.46	138.49	2.11	5.67	1.71	2.15
1	5423.23	Habitat (120)	0.000309	3755.15	11.75	98.88	9.36	0.08	1.30	0.08	153.64	76.04	113.07	2.69	5.83	3.11	3.22
1	5074	Habitat (120)	0.000162	3755.08	5.83	109.82	4.35	0.06	1.08	0.08	93.62	101.39	55.00	2.61	7.20	2.10	3.28
1	4922.26	Habitat (120)	0.002652	3755.03	104.10	13.91	1.99	0.34	0.30	0.49	303.44	47.11	4.06	4.03	5.58	1.10	4.05
1	4848.46	Habitat (120)	0.001072	3754.83	13.66	104.22	2.13	0.12	2.29	0.17	109.27	45.52	12.63	2.33	5.87	1.52	2.66
1	4734.85	Habitat (120)	0.000624	3754.76	0.87	99.53	19.60	0.09	1.87	0.12	9.80	53.32	158.01	1.26	6.19	2.86	3.08
1	4645.1	Habitat (120)	0.000260	3754.74	2.21	107.65	10.14	0.08	1.36	0.08	26.78	78.98	119.52	2.69	7.15	3.44	4.04
1	4472.94	Habitat (120)	0.000114	3754.72	3.96	112.02	4.03	0.06	0.89	0.05	70.30	125.44	82.14	3.19	7.05	3.01	4.14
1	4315.1	Habitat (120)	0.000083	3754.71	2.79	65.67	51.53	0.04	0.79	0.24	72.40	82.82	219.09	2.48	7.42	5.17	4.52
1	4275.1	Habitat (120)	0.000019	3754.71	1.36	118.02	0.62	0.02	0.37	0.02	72.72	317.39	31.35	2.49	7.11	3.52	5.09
1	3926.46	Habitat (120)	0.000237	3754.67	10.08	106.88	3.04	0.07	1.22	0.07	148.47	87.79	44.31	2.88	6.45	2.94	3.50
1	3850	Habitat (120)	0.000938	3754.62	25.60	73.28	21.12	0.13	2.11	0.24	200.52	34.66	86.65	2.64	5.25	2.28	2.67
1	3665.66	Habitat (120)	0.001169	3754.41	23.49	76.58	19.93	0.13	2.30	0.25	178.36	33.32	79.73	2.35	5.04	2.10	2.42
1	3539.16	Habitat (120)	0.000435	3754.34	5.89	98.12	15.99	0.08	1.53	0.07	76.96	63.94	214.51	2.02	5.83	1.97	2.25
1	3368.75	Habitat (120)	0.000780	3754.22	3.63	94.02	22.35	0.09	2.08	0.13	38.75	45.31	177.49	1.51	6.01	2.98	2.81
1	3226.91	Habitat (120)	0.000778	3754.11	14.89	84.87	20.24	0.12	2.12	0.20	119.30	40.11	102.86	2.41	6.13	1.20	1.85
1	3029.41	Habitat (120)	0.003133	3753.88	51.92	46.29	21.79	0.20	0.36	0.20	255.04	130.19	109.09	1.86	5.18	1.92	2.26
1	2854.58	Habitat (120)	0.000799	3753.56	5.23	104.43	10.35	0.07	2.15	0.15	71.67	48.62	69.73	1.18	6.06	2.46	1.95
1	2718.22	Habitat (120)	0.002329	3753.43	77.76	14.71	27.53	0.32	0.31	0.26	241.48	47.90	106.51	3.76	5.24	3.42	3.79
1	2579.71	Habitat (120)	0.001875	3753.05	12.07	72.93	35.00	0.18	2.95	0.18	65.76	24.74	191.61	2.58	5.15	2.65	2.75
1	2378.27	Habitat (120)	0.000970	3752.82	17.31	84.32	18.37	0.15	2.04	0.13	112.25	41.33	137.75	2.85	4.97	2.16	2.61
1	2220.59	Habitat (120)	0.000811	3752.68	4.44	95.11	20.45	0.13	1.92	0.13	34.92	49.41	159.33	2.53	5.11	2.34	2.66
1	1991.48	Habitat (120)	0.000393	3752.56	17.36	97.61	5.03	0.10	1.42	0.11	181.85	68.50	46.34	2.62	5.65	2.41	2.94
1	1904.97	Habitat (120)	0.000875	3752.48	17.02	94.47	8.51	0.16	2.13	0.09	109.23	44.36	91.11	1.59	5.62	1.63	1.85
1	1817.44	Habitat (120)	0.000897	3752.42	29.14	69.64	21.22	0.12	2.11	0.16	243.85	32.99	135.06	1.23	5.48	3.52	1.69
1	1707.8	Habitat (120)	0.001963	3752.22	19.98	77.49	22.53	0.24	3.00	0.18	85.00	25.84	126.02	0.85	5.12	2.49	1.52
1	1437.01	Habitat (120)	0.000706	3751.96	7.71	67.30	44.99	0.17	1.96	0.21	45.47	34.26	212.66	2.95	6.11	2.29	2.57
1	1245.65	Habitat (120)	0.000338	3751.88	26.59	81.26	12.15	0.11	1.34	0.09	235.14	60.51	135.22	2.17	5.77	3.40	2.72
1	1038.68	Habitat (120)	0.000962	3751.73	26.45	83.58	9.97	0.13	2.38	0.19	196.36	35.19	53.64	2.48	6.33	2.72	2.73
1	841.15	Habitat (120)	0.001403	3751.50	29.09	55.47	35.44	0.19	2.70	0.22	154.68	20.52	162.54	2.22	5.70	3.86	2.92
1	602.25	Habitat (120)	0.001049	3751.21	25.33	81.14	13.52	0.19	2.34	0.19	132.55	34.72	72.63	3.52	5.68	2.86	3.46
1	471.87	Habitat (120)	0.000221	3751.19	19.56	93.19	7.24	0.10	1.02	0.23	201.41	91.67	32.17	3.21	5.35	2.05	3.40
1	373.24	Habitat (120)	0.000593	3751.12	13.09	89.89	17.02	0.14	1.88	0.13	95.40	47.89	132.68	3.79	6.20	3.22	3.73
1	262.36	Habitat (120)	0.001001	3751.02	5.12	71.93	42.94	0.17	2.42	0.19	30.97	29.73	226.53	2.37	6.15	3.48	3.46

Plot 3

HEC-RAS Plan: a3-p1 River: Owens River Reach: 1 Profile: Base (59)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	10345.05	Base (59)	0.002374	3687.72	0.19	302.99	2.55
1	10252.61	Base (59)	0.002257	3687.51	0.18	323.99	2.23
1	10179	Base (59)	0.001368	3687.38	0.15	393.87	2.25
1	10117.39	Base (59)	0.000570	3687.33	0.11	551.13	3.02
1	10055.29	Base (59)	0.001062	3687.28	0.14	430.73	2.75
1	9907.34	Base (59)	0.000986	3687.13	0.15	383.40	3.21
1	9653.77	Base (59)	0.000687	3686.92	0.17	342.71	4.80
1	9456.39	Base (59)	0.000216	3686.85	0.20	299.91	3.91
1	9370.45	Base (59)	0.001005	3686.82	0.17	349.27	3.87
1	9234.86	Base (59)	0.000977	3686.68	0.17	349.48	3.34
1	9118.41	Base (59)	0.001229	3686.55	0.17	340.91	3.35
1	8962.41	Base (59)	0.000563	3686.43	0.16	379.02	3.81
1	8765.35	Base (59)	0.001708	3686.25	0.17	345.59	2.70
1	8583.15	Base (59)	0.000603	3686.08	0.15	404.00	3.03
1	8485.9	Base (59)	0.001573	3685.99	0.16	358.89	2.41
1	8397.9	Base (59)	0.000104	3685.97	0.13	453.77	2.38
1	8326.99	Base (59)	0.000026	3685.96	0.11	545.22	2.62
1	8193.74	Base (59)	0.000082	3685.95	0.21	277.87	2.47
1	8095.53	Base (59)	0.000944	3685.94	0.15	382.71	3.57
1	7992.21	Base (59)	0.001885	3685.80	0.19	315.66	2.77
1	7860.07	Base (59)	0.001082	3685.62	0.15	386.11	3.17
1	7760.22	Base (59)	0.000463	3685.55	0.13	448.08	4.59
1	7644	Base (59)	0.000974	3685.47	0.16	380.54	3.62
1	7493.9	Base (59)	0.000153	3685.43	0.09	654.80	5.80
1	7398.17	Base (59)	0.000581	3685.40	0.11	533.44	3.08
1	7220.75	Base (59)	0.001030	3685.27	0.13	443.30	2.60
1	7043.86	Base (59)	0.000542	3685.14	0.11	549.90	3.31
1	6907.28	Base (59)	0.000528	3685.06	0.11	536.64	3.28
1	6817.56	Base (59)	0.000465	3685.02	0.13	450.08	3.76
1	6690.62	Base (59)	0.000779	3684.94	0.15	393.05	3.92
1	6547.68	Base (59)	0.000468	3684.86	0.14	416.00	3.59
1	6298.46	Base (59)	0.000517	3684.74	0.13	465.75	3.27
1	6075.29	Base (59)	0.001228	3684.57	0.15	381.27	2.80
1	5908.97	Base (59)	0.000838	3684.40	0.13	443.45	2.67
1	5702.04	Base (59)	0.000847	3684.22	0.15	393.66	3.52
1	5576.48	Base (59)	0.001411	3684.09	0.27	218.27	3.76

HEC-RAS Plan: a3-p1 River: Owens River Reach: 1 Profile: Base (59) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	5148.34	Base (59)	0.000527	3683.74	0.13	454.69	3.29
1	5008.83	Base (59)	0.001577	3683.62	0.20	293.47	3.25
1	4934.71	Base (59)	0.003489	3683.46	0.26	223.75	2.90
1	4732.05	Base (59)	0.001841	3682.95	0.20	290.43	3.16
1	4635.85	Base (59)	0.001335	3682.80	0.20	293.05	3.00
1	4483.6	Base (59)	0.001182	3682.61	0.19	315.31	2.84
1	4315.19	Base (59)	0.000672	3682.47	0.15	385.42	3.49
1	4179.03	Base (59)	0.000613	3682.38	0.20	296.30	2.91
1	4013.67	Base (59)	0.000862	3682.26	0.15	384.04	2.96
1	3733.68	Base (59)	0.001460	3681.95	0.17	340.09	3.02
1	3621.79	Base (59)	0.000360	3681.88	0.11	561.40	4.23
1	3391.24	Base (59)	0.001101	3681.74	0.16	370.38	3.10
1	3190.55	Base (59)	0.000655	3681.58	0.13	443.05	3.76
1	2835.22	Base (59)	0.000930	3681.30	0.19	310.85	3.09
1	2671.17	Base (59)	0.000480	3681.19	0.12	497.21	4.08
1	2495.31	Base (59)	0.000748	3681.09	0.14	414.32	3.81
1	2371.09	Base (59)	0.000042	3681.07	0.12	475.44	4.49
1	2170.7	Base (59)	0.000082	3681.06	0.13	441.68	4.20
1	2046.11	Base (59)	0.000805	3681.04	0.15	398.35	3.68
1	1867.07	Base (59)	0.000473	3680.93	0.13	454.80	4.49
1	1551.71	Base (59)	0.000691	3680.75	0.13	437.84	3.34
1	1391.56	Base (59)	0.000790	3680.63	0.15	393.84	4.01
1	1141.59	Base (59)	0.000328	3680.51	0.11	541.71	4.33
1	977.95	Base (59)	0.001689	3680.41	0.19	305.90	2.74
1	844.29	Base (59)	0.000856	3680.25	0.16	367.18	4.04
1	680.05	Base (59)	0.000526	3680.14	0.12	497.58	3.65
1	543.08	Base (59)	0.000327	3680.09	0.09	673.77	3.19
1	230.24	Base (59)	0.000246	3680.00	0.10	601.63	5.12

HEC-RAS Plan: a3-p1 River: Owens River Reach: 1 Profile: Habitat (116)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	10345.05	Habitat (116)	0.001869	3689.23	0.24	492.89	3.67
1	10252.61	Habitat (116)	0.001583	3689.07	0.21	555.86	3.68
1	10179	Habitat (116)	0.001014	3688.98	0.17	691.28	3.63
1	10117.39	Habitat (116)	0.000544	3688.94	0.14	846.58	4.58
1	10055.29	Habitat (116)	0.000857	3688.89	0.17	695.05	4.05
1	9907.34	Habitat (116)	0.000817	3688.77	0.19	605.66	4.23
1	9653.77	Habitat (116)	0.001067	3688.53	0.25	464.44	5.87
1	9456.39	Habitat (116)	0.000292	3688.43	0.27	430.85	4.87
1	9370.45	Habitat (116)	0.001246	3688.39	0.23	498.00	5.04
1	9234.86	Habitat (116)	0.000965	3688.24	0.22	521.17	4.62
1	9118.41	Habitat (116)	0.001268	3688.11	0.22	516.56	3.95
1	8962.41	Habitat (116)	0.000785	3687.96	0.21	551.12	3.80
1	8765.35	Habitat (116)	0.001481	3687.75	0.21	546.35	3.97
1	8583.15	Habitat (116)	0.000612	3687.59	0.18	627.81	3.56
1	8485.9	Habitat (116)	0.001116	3687.51	0.18	638.12	2.87
1	8397.9	Habitat (116)	0.000059	3687.49	0.15	763.86	3.55
1	8326.99	Habitat (116)	0.000028	3687.49	0.13	892.84	3.69
1	8193.74	Habitat (116)	0.000100	3687.48	0.24	491.12	3.07
1	8095.53	Habitat (116)	0.001032	3687.46	0.21	564.26	4.52
1	7992.21	Habitat (116)	0.001615	3687.33	0.23	507.78	3.69
1	7860.07	Habitat (116)	0.001063	3687.15	0.20	585.29	4.29
1	7760.22	Habitat (116)	0.000720	3687.07	0.19	602.81	5.65
1	7644	Habitat (116)	0.001177	3686.96	0.21	543.80	4.79
1	7493.9	Habitat (116)	0.000297	3686.88	0.14	830.37	4.83
1	7398.17	Habitat (116)	0.000658	3686.84	0.15	784.86	4.49
1	7220.75	Habitat (116)	0.000883	3686.71	0.15	731.64	3.05
1	7043.86	Habitat (116)	0.000632	3686.58	0.14	804.93	4.40
1	6907.28	Habitat (116)	0.000576	3686.50	0.14	811.92	3.76
1	6817.56	Habitat (116)	0.000591	3686.44	0.18	630.23	3.58
1	6690.62	Habitat (116)	0.001019	3686.35	0.21	550.50	4.33
1	6547.68	Habitat (116)	0.000507	3686.25	0.18	638.91	3.54
1	6298.46	Habitat (116)	0.000515	3686.12	0.17	701.34	3.33
1	6075.29	Habitat (116)	0.001108	3685.96	0.19	598.00	3.36
1	5908.97	Habitat (116)	0.000721	3685.81	0.16	703.45	3.46
1	5702.04	Habitat (116)	0.001033	3685.63	0.21	553.31	4.80
1	5576.48	Habitat (116)	0.002094	3685.45	0.39	298.96	4.93

HEC-RAS Plan: a3-p1 River: Owens River Reach: 1 Profile: Habitat (116) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	5148.34	Habitat (116)	0.000633	3685.00	0.18	632.81	4.37
1	5008.83	Habitat (116)	0.001550	3684.87	0.25	414.37	4.10
1	4934.71	Habitat (116)	0.003073	3684.71	0.32	328.79	3.73
1	4732.05	Habitat (116)	0.001665	3684.27	0.25	424.40	4.00
1	4635.85	Habitat (116)	0.001041	3684.14	0.24	435.67	3.81
1	4483.6	Habitat (116)	0.000836	3684.00	0.22	480.18	3.94
1	4315.19	Habitat (116)	0.000327	3683.92	0.13	785.94	2.68
1	4179.03	Habitat (116)	0.000500	3683.86	0.22	476.30	2.28
1	4013.67	Habitat (116)	0.000733	3683.76	0.19	605.78	3.98
1	3733.68	Habitat (116)	0.001325	3683.49	0.21	544.19	2.91
1	3621.79	Habitat (116)	0.000490	3683.41	0.15	772.31	5.39
1	3391.24	Habitat (116)	0.001042	3683.25	0.20	582.84	3.73
1	3190.55	Habitat (116)	0.001043	3683.04	0.18	644.82	3.64
1	2835.22	Habitat (116)	0.000937	3682.69	0.25	462.34	4.13
1	2671.17	Habitat (116)	0.000707	3682.55	0.17	669.56	5.08
1	2495.31	Habitat (116)	0.001078	3682.40	0.21	562.07	4.82
1	2371.09	Habitat (116)	0.000081	3682.38	0.19	616.25	5.57
1	2170.7	Habitat (116)	0.000144	3682.35	0.19	595.53	3.53
1	2046.11	Habitat (116)	0.001154	3682.32	0.21	543.60	4.54
1	1867.07	Habitat (116)	0.000721	3682.15	0.19	607.77	4.50
1	1551.71	Habitat (116)	0.001003	3681.89	0.19	597.66	3.95
1	1391.56	Habitat (116)	0.001418	3681.70	0.23	500.81	4.80
1	1141.59	Habitat (116)	0.000645	3681.47	0.17	667.39	4.86
1	977.95	Habitat (116)	0.003473	3681.26	0.27	425.50	2.64
1	844.29	Habitat (116)	0.002055	3680.91	0.27	427.88	4.58
1	680.05	Habitat (116)	0.001345	3680.64	0.20	567.35	3.91
1	543.08	Habitat (116)	0.000837	3680.50	0.15	761.34	3.53
1	230.24	Habitat (116)	0.000823	3680.24	0.18	629.62	5.31

Plot 4

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 49 (Base)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	11988.83	49 (Base)	0.000005	3625.01	0.08	603.00	4.75
1	11864.58	49 (Base)	0.000005	3625.01	0.08	602.91	4.75
1	11787.8	49 (Base)	0.000010	3625.01	0.21	234.52	3.25
1	11663.31	49 (Base)	0.000020	3625.01	0.23	217.11	2.93
1	11543.72	49 (Base)	0.007921	3625.00	0.41	120.26	1.48
1	11473.72	49 (Base)	0.016095	3624.23	0.53	91.62	2.67
1	11336.28	49 (Base)	0.000048	3624.21	0.23	209.71	1.88
1	11184.94	49 (Base)	0.000021	3624.20	0.24	204.35	2.92
1	11084.32	49 (Base)	0.000024	3624.20	0.22	221.41	3.13
1	10910.19	49 (Base)	0.004432	3624.19	0.27	183.88	2.49
1	10760.19	49 (Base)	0.006250	3623.92	0.30	164.86	2.30
1	10709.95	49 (Base)	0.000181	3623.84	0.42	117.25	1.94
1	10625.81	49 (Base)	0.000038	3623.84	0.27	182.63	1.91
1	10522.69	49 (Base)	0.000018	3623.83	0.19	253.26	2.57
1	10415.65	49 (Base)	0.000007	3623.83	0.16	308.01	3.27
1	10123.57	49 (Base)	0.002796	3623.82	0.22	221.81	2.54
1	10073.57	49 (Base)	0.003411	3623.67	0.24	208.42	2.42
1	9992.64	49 (Base)	0.000052	3623.65	0.25	193.32	2.28
1	9722.44	49 (Base)	0.000007	3623.65	0.19	260.24	3.28
1	9539.44	49 (Base)	0.000109	3623.65	0.17	282.90	2.01
1	9385.89	49 (Base)	0.001419	3623.61	0.19	258.61	3.62
1	9235.89	49 (Base)	0.001759	3623.37	0.20	242.09	3.55
1	9132.63	49 (Base)	0.000009	3623.37	0.16	297.49	4.03
1	8976.25	49 (Base)	0.000223	3623.35	0.21	232.29	2.53
1	8841.61	49 (Base)	0.000010	3623.35	0.18	279.86	4.12
1	8693.83	49 (Base)	0.000967	3623.35	0.16	305.38	3.06
1	8593.83	49 (Base)	0.001063	3623.25	0.17	295.45	3.07
1	8515.65	49 (Base)	0.000056	3623.23	0.27	181.37	1.44
1	8415.65	49 (Base)	0.000057	3623.23	0.26	186.22	1.48
1	8330.71	49 (Base)	0.000041	3623.22	0.29	168.68	4.57
1	8217.29	49 (Base)	0.000307	3623.21	0.26	186.81	2.21
1	8167.29	49 (Base)	0.005376	3623.17	0.26	183.81	2.18
1	8039.96	49 (Base)	0.000012	3623.17	0.12	405.25	5.01
1	7739.96	49 (Base)	0.000013	3623.16	0.12	404.95	5.00
1	7639.96	49 (Base)	0.000013	3623.16	0.12	404.85	5.00
1	7469.77	49 (Base)	0.000109	3623.16	0.19	254.81	1.78

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 49 (Base) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	7369.77	49 (Base)	0.003323	3623.13	0.20	250.54	1.77
1	7282.96	49 (Base)	0.000012	3623.12	0.18	270.34	2.88
1	7167.1	49 (Base)	0.000003	3623.12	0.12	411.73	5.10
1	6986.32	49 (Base)	0.000158	3623.11	0.35	139.71	4.96
1	6729.92	49 (Base)	0.000006	3623.11	0.14	352.10	3.25
1	6679.92	49 (Base)	0.000551	3623.11	0.14	352.00	3.25
1	6399.92	49 (Base)	0.000006	3623.10	0.14	351.39	3.24
1	5793.02	49 (Base)	0.000001	3623.10	0.07	681.16	5.69
1	5437.65	49 (Base)	0.002215	3623.10	0.16	309.33	1.71
1	5237.56	49 (Base)	0.002573	3622.63	0.19	260.60	2.29
1	5105.43	49 (Base)	0.000006	3622.62	0.10	498.42	6.02
1	5005.43	49 (Base)	0.003133	3622.62	0.23	216.99	2.62
1	4955.43	49 (Base)	0.003947	3622.45	0.24	202.46	2.44
1	4547.25	49 (Base)	0.001000	3621.72	0.14	349.99	2.90
1	4208.87	49 (Base)	0.001809	3621.28	0.17	284.83	2.04
1	3916.97	49 (Base)	0.120471	3619.61	0.69	70.43	0.82
1	3729.46	49 (Base)	0.002185	3618.24	0.58	82.82	1.24
1	3576.24	49 (Base)	0.000679	3618.11	0.42	116.19	1.49
1	3386.06	49 (Base)	0.004145	3617.88	0.27	178.58	2.46
1	2999.82	49 (Base)	0.000025	3617.84	0.28	171.96	3.24
1	2783.26	49 (Base)	0.000021	3617.84	0.20	243.02	3.41
1	2560.03	49 (Base)	0.000520	3617.83	0.15	319.69	4.05
1	2404.32	49 (Base)	0.000013	3617.82	0.21	225.19	3.57
1	2238.44	49 (Base)	0.000067	3617.81	0.22	218.59	2.92
1	1999.19	49 (Base)	0.000012	3617.81	0.23	209.69	4.86
1	1884.04	49 (Base)	0.000011	3617.81	0.19	259.89	4.03
1	1705.92	49 (Base)	0.000012	3617.81	0.19	262.87	4.17
1	1580.03	49 (Base)	0.000034	3617.80	0.23	215.03	3.17
1	1428.98	49 (Base)	0.000018	3617.80	0.23	217.05	3.21
1	1265.47	49 (Base)	0.000052	3617.79	0.28	174.53	2.14
1	1112.1	49 (Base)	0.000692	3617.77	0.18	271.03	5.27
1	1006.3	49 (Base)	0.005151	3617.62	0.38	127.69	3.86
1	849.99	49 (Base)	0.002291	3617.10	0.23	209.92	3.15
1	659.56	49 (Base)	0.000075	3617.06	0.35	139.61	1.91
1	468.85	49 (Base)	0.005918	3617.01	0.33	149.33	2.14
1	298.88	49 (Base)	0.000012	3617.01	0.17	284.53	4.34

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 49 (Base) (Continued)

Reach	River Sta	Profile	E.G. Slope	W.S. Elev	Vel Total	Flow Area	Hydr Depth
			(ft/ft)	(ft)	(ft/s)	(sq ft)	(ft)
1	188.68	49 (Base)	0.001428	3617.00	0.20	242.56	2.42

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 75 (Habitat)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	11988.83	75 (Habitat)	0.000009	3625.74	0.11	697.15	5.32
1	11864.58	75 (Habitat)	0.000009	3625.74	0.11	696.99	5.32
1	11787.8	75 (Habitat)	0.000017	3625.74	0.26	290.14	3.30
1	11663.31	75 (Habitat)	0.000029	3625.73	0.27	277.87	2.85
1	11543.72	75 (Habitat)	0.006099	3625.72	0.42	180.25	2.11
1	11473.72	75 (Habitat)	0.015761	3625.07	0.57	130.83	1.61
1	11336.28	75 (Habitat)	0.000057	3625.04	0.24	306.39	2.54
1	11184.94	75 (Habitat)	0.000028	3625.04	0.28	264.46	3.55
1	11084.32	75 (Habitat)	0.000033	3625.03	0.25	301.57	2.82
1	10910.19	75 (Habitat)	0.003974	3625.01	0.30	247.36	3.09
1	10760.19	75 (Habitat)	0.005061	3624.79	0.33	229.68	2.94
1	10709.95	75 (Habitat)	0.000202	3624.69	0.38	180.79	2.14
1	10625.81	75 (Habitat)	0.000042	3624.69	0.26	270.40	2.46
1	10522.69	75 (Habitat)	0.000021	3624.69	0.20	340.44	3.25
1	10415.65	75 (Habitat)	0.000010	3624.69	0.18	393.10	3.66
1	10123.57	75 (Habitat)	0.002447	3624.67	0.25	299.72	3.11
1	10073.57	75 (Habitat)	0.002820	3624.54	0.26	287.18	3.03
1	9992.64	75 (Habitat)	0.000068	3624.52	0.28	271.17	2.88
1	9722.44	75 (Habitat)	0.000011	3624.52	0.22	333.62	3.83
1	9539.44	75 (Habitat)	0.000121	3624.51	0.17	408.62	2.71
1	9385.89	75 (Habitat)	0.001341	3624.47	0.21	326.45	3.64
1	9235.89	75 (Habitat)	0.001623	3624.25	0.23	307.52	3.76
1	9132.63	75 (Habitat)	0.000011	3624.25	0.17	396.06	2.96
1	8976.25	75 (Habitat)	0.000253	3624.22	0.21	323.10	3.04
1	8841.61	75 (Habitat)	0.000016	3624.23	0.21	357.52	3.63
1	8693.83	75 (Habitat)	0.001048	3624.22	0.19	393.38	3.88
1	8593.83	75 (Habitat)	0.001148	3624.11	0.20	382.26	3.78
1	8515.65	75 (Habitat)	0.000060	3624.09	0.23	295.90	2.05
1	8415.65	75 (Habitat)	0.000060	3624.09	0.23	300.57	2.09
1	8330.71	75 (Habitat)	0.000042	3624.08	0.24	258.04	1.76
1	8217.29	75 (Habitat)	0.000191	3624.07	0.24	263.60	2.81
1	8167.29	75 (Habitat)	0.002849	3624.05	0.24	261.70	2.80
1	8039.96	75 (Habitat)	0.000013	3624.05	0.13	484.73	4.23
1	7739.96	75 (Habitat)	0.000016	3624.04	0.14	484.20	4.25
1	7639.96	75 (Habitat)	0.000016	3624.04	0.14	484.01	4.25
1	7469.77	75 (Habitat)	0.000088	3624.03	0.18	406.34	2.03

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 75 (Habitat) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	7369.77	75 (Habitat)	0.001746	3624.01	0.19	402.00	2.01
1	7282.96	75 (Habitat)	0.000016	3624.00	0.20	372.96	0.76
1	7167.1	75 (Habitat)	0.000004	3624.00	0.15	492.93	4.97
1	6986.32	75 (Habitat)	0.000195	3623.99	0.14	542.85	0.84
1	6729.92	75 (Habitat)	0.000010	3623.99	0.14	529.36	0.86
1	6679.92	75 (Habitat)	0.000838	3623.99	0.14	528.49	0.86
1	6399.92	75 (Habitat)	0.000010	3623.98	0.14	523.12	0.85
1	5793.02	75 (Habitat)	0.000001	3623.98	0.08	891.28	1.31
1	5437.65	75 (Habitat)	0.001543	3623.98	0.15	489.89	2.12
1	5237.56	75 (Habitat)	0.001727	3623.65	0.12	647.30	1.01
1	5105.43	75 (Habitat)	0.000010	3623.64	0.08	914.64	1.31
1	5005.43	75 (Habitat)	0.002493	3623.64	0.12	631.36	0.90
1	4955.43	75 (Habitat)	0.004142	3623.48	0.14	519.52	0.74
1	4547.25	75 (Habitat)	0.001460	3622.54	0.13	593.22	1.72
1	4208.87	75 (Habitat)	0.002270	3621.94	0.17	451.52	1.37
1	3916.97	75 (Habitat)	0.054041	3620.14	0.61	118.62	1.25
1	3729.46	75 (Habitat)	0.001776	3619.10	0.49	146.63	1.79
1	3576.24	75 (Habitat)	0.000726	3618.96	0.39	185.20	2.19
1	3386.06	75 (Habitat)	0.003684	3618.73	0.30	243.01	3.09
1	2999.82	75 (Habitat)	0.000033	3618.69	0.33	220.71	3.52
1	2783.26	75 (Habitat)	0.000026	3618.68	0.23	312.99	3.59
1	2560.03	75 (Habitat)	0.000645	3618.67	0.19	387.56	4.67
1	2404.32	75 (Habitat)	0.000016	3618.66	0.26	283.05	3.76
1	2238.44	75 (Habitat)	0.000101	3618.64	0.25	285.15	2.97
1	1999.19	75 (Habitat)	0.000019	3618.64	0.30	245.95	5.56
1	1884.04	75 (Habitat)	0.000015	3618.64	0.24	313.44	4.86
1	1705.92	75 (Habitat)	0.000019	3618.63	0.24	316.48	4.43
1	1580.03	75 (Habitat)	0.000047	3618.63	0.28	272.02	3.89
1	1428.98	75 (Habitat)	0.000024	3618.63	0.27	278.01	3.29
1	1265.47	75 (Habitat)	0.000067	3618.62	0.30	246.04	2.65
1	1112.1	75 (Habitat)	0.001368	3618.59	0.21	356.56	2.65
1	1006.3	75 (Habitat)	0.009423	3618.28	0.41	185.18	1.05
1	849.99	75 (Habitat)	0.004403	3617.31	0.33	224.13	3.31
1	659.56	75 (Habitat)	0.000148	3617.23	0.49	152.11	2.05
1	468.85	75 (Habitat)	0.011956	3617.14	0.47	158.08	2.26
1	298.88	75 (Habitat)	0.000027	3617.12	0.26	292.19	4.40

HEC-RAS Plan: a4-pi River: Owens River Reach: 1 Profile: 75 (Habitat) (Continued)

Reach	River Sta	Profile	E.G. Slope	W.S. Elev	Vel Total	Flow Area	Hydr Depth
			(ft/ft)	(ft)	(ft/s)	(sq ft)	(ft)
1	188.68	75 (Habitat)	0.002924	3617.11	0.30	253.79	2.49

Plot 5

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 48 (Base)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	13259.26	48 (Base)	0.008718	3612.05	0.40	121.15	2.03
1	13055.26	48 (Base)	0.000019	3612.04	0.23	209.48	2.99
1	12952.45	48 (Base)	0.000016	3612.03	0.19	257.02	3.00
1	12553.35	48 (Base)	0.001719	3612.01	0.22	218.17	3.62
1	12433.9	48 (Base)	0.002181	3611.78	0.23	211.95	3.10
1	12245.39	48 (Base)	0.001793	3611.41	0.23	207.07	4.09
1	12073.6	48 (Base)	0.007289	3610.86	0.36	135.21	2.63
1	11955.72	48 (Base)	0.000018	3610.85	0.28	170.77	5.33
1	11748.38	48 (Base)	0.000045	3610.84	0.35	135.97	3.63
1	11613.59	48 (Base)	0.001949	3610.83	0.23	204.61	3.69
1	11417.53	48 (Base)	0.000065	3610.79	0.37	128.42	2.28
1	11236.93	48 (Base)	0.000023	3610.78	0.23	213.10	3.87
1	11132.47	48 (Base)	0.001539	3610.78	0.22	218.18	3.81
1	10963.13	48 (Base)	0.000142	3610.71	0.59	81.19	1.52
1	10859.37	48 (Base)	0.000030	3610.71	0.30	161.26	3.12
1	10631.79	48 (Base)	0.000168	3610.69	0.34	137.26	2.27
1	10395.56	48 (Base)	0.001412	3610.61	0.18	256.47	3.01
1	10241.39	48 (Base)	0.002772	3610.31	0.25	184.08	3.21
1	10100.9	48 (Base)	0.008552	3609.67	0.30	153.13	1.80
1	10028.08	48 (Base)	0.000056	3609.66	0.38	121.54	1.72
1	9940.17	48 (Base)	0.000101	3609.65	0.45	104.05	1.98
1	9773.7	48 (Base)	0.000224	3609.62	0.86	53.75	2.63
1	9592.91	48 (Base)	0.001689	3609.54	0.23	205.34	3.35
1	9483.75	48 (Base)	0.007435	3609.20	0.31	150.81	1.68
1	9238	48 (Base)	0.000053	3609.15	0.41	117.60	1.57
1	9110.83	48 (Base)	0.000025	3609.15	0.30	161.93	3.53
1	8950.41	48 (Base)	0.000058	3609.14	0.38	126.66	2.21
1	8775.41	48 (Base)	0.002258	3609.11	0.22	213.83	3.14
1	8658.07	48 (Base)	0.000128	3609.07	0.48	100.88	1.76
1	8508.08	48 (Base)	0.002035	3609.02	0.19	246.19	2.86
1	8187.24	48 (Base)	0.001682	3608.43	0.22	219.58	3.92
1	8101.82	48 (Base)	0.005865	3608.19	0.29	163.81	2.09
1	8052.67	48 (Base)	0.003707	3607.96	0.25	195.77	2.23
1	7950.84	48 (Base)	0.000009	3607.96	0.20	245.13	3.79
1	7894.83	48 (Base)	0.001432	3607.95	0.30	161.86	2.61
1	7790.52	48 (Base)	0.003294	3607.74	0.26	182.32	3.01

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 48 (Base) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	7625.87	48 (Base)	0.002251	3607.29	0.26	187.19	3.38
1	7448.74	48 (Base)	0.001196	3606.99	0.57	82.86	1.68
1	7280.9	48 (Base)	0.000078	3606.97	0.44	108.22	2.97
1	7194.17	48 (Base)	0.000624	3606.93	0.49	96.35	1.96
1	7072.27	48 (Base)	0.000751	3606.84	0.78	60.96	0.78
1	6994.25	48 (Base)	0.000201	3606.83	0.68	69.74	3.35
1	6805.39	48 (Base)	0.003203	3606.73	0.36	133.85	2.37
1	6705.39	48 (Base)	0.006475	3606.29	0.44	109.43	2.06
1	6641.75	48 (Base)	0.000385	3606.21	0.66	72.83	2.28
1	6591.75	48 (Base)	0.000392	3606.19	0.66	72.21	2.26
1	6501.97	48 (Base)	0.001815	3606.14	0.35	136.64	1.98
1	6360.07	48 (Base)	0.000149	3606.09	0.44	110.20	2.46
1	5987.62	48 (Base)	0.000181	3606.03	0.42	114.77	2.70
1	5834.83	48 (Base)	0.002170	3605.88	1.22	39.27	0.97
1	5714.41	48 (Base)	0.000038	3605.92	0.31	152.93	3.49
1	5536.82	48 (Base)	0.000903	3605.87	0.33	143.98	2.77
1	5446.22	48 (Base)	0.000349	3605.83	0.77	62.17	0.87
1	5345.44	48 (Base)	0.000479	3605.79	0.57	84.11	1.01
1	5241.79	48 (Base)	0.007435	3605.67	0.39	122.47	2.74
1	5147.54	48 (Base)	0.000134	3605.63	0.37	130.49	2.24
1	5067.41	48 (Base)	0.000225	3605.61	0.49	98.34	1.49
1	4857.57	48 (Base)	0.000162	3605.57	0.48	99.83	1.79
1	4759.61	48 (Base)	0.004618	3605.53	0.32	148.40	3.02
1	4663.43	48 (Base)	0.014078	3604.81	0.42	114.30	1.89
1	4573.64	48 (Base)	0.000276	3604.72	0.74	65.20	2.77
1	4329.41	48 (Base)	0.007461	3604.54	0.30	161.18	1.98
1	4062.83	48 (Base)	0.000140	3604.42	0.57	83.77	3.14
1	3937.75	48 (Base)	0.000206	3604.40	0.52	91.57	2.70
1	3774.51	48 (Base)	0.010066	3604.30	0.39	123.22	2.54
1	3469.2	48 (Base)	0.000031	3604.27	0.21	229.57	1.86
1	3245.96	48 (Base)	0.000461	3604.24	0.39	122.02	2.65
1	2950	48 (Base)	0.003296	3603.96	0.27	178.55	3.06
1	2850.31	48 (Base)	0.000038	3603.94	0.31	155.00	2.66
1	2677.58	48 (Base)	0.000048	3603.93	0.36	132.06	2.98
1	2530.69	48 (Base)	0.000039	3603.92	0.36	133.25	2.46
1	2422.87	48 (Base)	0.000049	3603.92	0.38	127.31	3.65

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 48 (Base) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	2285.19	48 (Base)	0.000132	3603.90	0.49	97.84	2.52
1	2110.05	48 (Base)	0.003990	3603.84	0.33	144.10	2.54
1	1726.26	48 (Base)	0.000031	3603.80	0.24	202.90	4.53
1	1619.03	48 (Base)	0.000076	3603.79	0.42	115.01	2.30
1	1387.8	48 (Base)	0.000507	3603.70	0.52	92.57	1.88
1	1275.39	48 (Base)	0.005517	3603.60	0.32	147.93	2.94
1	1156.57	48 (Base)	0.017189	3602.53	0.39	122.56	1.56
1	993.73	48 (Base)	0.001234	3602.03	0.21	226.04	4.70
1	670	48 (Base)	0.000295	3601.85	0.69	69.31	2.18
1	540.11	48 (Base)	0.049263	3601.72	0.62	77.44	1.44
1	471.75	48 (Base)	0.000119	3601.69	0.53	91.03	3.16
1	322.27	48 (Base)	0.011553	3601.64	0.41	115.85	2.44
1	190	48 (Base)	0.000032	3601.62	0.30	160.80	3.39

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 75 (Habitat)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	13259.26	75 (Habitat)	0.007396	3612.97	0.42	180.58	2.57
1	13055.26	75 (Habitat)	0.000023	3612.95	0.26	293.27	2.79
1	12952.45	75 (Habitat)	0.000021	3612.95	0.22	337.46	3.72
1	12553.35	75 (Habitat)	0.002030	3612.92	0.27	276.82	3.90
1	12433.9	75 (Habitat)	0.002385	3612.66	0.27	275.64	3.58
1	12245.39	75 (Habitat)	0.002462	3612.20	0.30	248.75	4.50
1	12073.6	75 (Habitat)	0.009369	3611.46	0.45	166.77	3.07
1	11955.72	75 (Habitat)	0.000033	3611.44	0.39	192.88	4.02
1	11748.38	75 (Habitat)	0.000068	3611.43	0.46	161.75	3.28
1	11613.59	75 (Habitat)	0.002996	3611.41	0.32	237.96	3.99
1	11417.53	75 (Habitat)	0.000093	3611.35	0.46	163.41	2.40
1	11236.93	75 (Habitat)	0.000040	3611.34	0.31	245.27	4.07
1	11132.47	75 (Habitat)	0.002469	3611.33	0.30	251.49	3.86
1	10963.13	75 (Habitat)	0.000215	3611.23	0.67	111.81	1.72
1	10859.37	75 (Habitat)	0.000052	3611.23	0.38	195.12	2.62
1	10631.79	75 (Habitat)	0.000169	3611.20	0.34	169.23	2.65
1	10395.56	75 (Habitat)	0.001255	3611.12	0.19	303.37	3.17
1	10241.39	75 (Habitat)	0.002456	3610.86	0.26	216.67	3.55
1	10100.9	75 (Habitat)	0.003974	3610.43	0.26	220.04	2.38
1	10028.08	75 (Habitat)	0.000049	3610.41	0.32	178.23	2.24
1	9940.17	75 (Habitat)	0.000083	3610.41	0.39	145.93	2.49
1	9773.7	75 (Habitat)	0.000190	3610.38	0.59	96.38	1.09
1	9592.91	75 (Habitat)	0.001291	3610.31	0.22	256.18	3.70
1	9483.75	75 (Habitat)	0.002486	3610.12	0.24	236.08	2.49
1	9238	75 (Habitat)	0.000071	3610.08	0.40	188.38	2.40
1	9110.83	75 (Habitat)	0.000035	3610.07	0.36	206.46	4.07
1	8950.41	75 (Habitat)	0.000081	3610.06	0.41	181.70	2.89
1	8775.41	75 (Habitat)	0.002363	3610.02	0.27	279.06	3.69
1	8658.07	75 (Habitat)	0.000169	3609.96	0.48	156.08	2.33
1	8508.08	75 (Habitat)	0.002022	3609.91	0.23	323.58	3.62
1	8187.24	75 (Habitat)	0.002200	3609.23	0.28	266.38	4.37
1	8101.82	75 (Habitat)	0.005270	3608.95	0.33	226.27	2.68
1	8052.67	75 (Habitat)	0.003116	3608.76	0.28	270.00	2.75
1	7950.84	75 (Habitat)	0.000015	3608.75	0.25	300.37	4.05
1	7894.83	75 (Habitat)	0.001357	3608.75	0.35	213.19	3.17
1	7790.52	75 (Habitat)	0.003583	3608.53	0.32	232.49	3.53

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 75 (Habitat) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	7625.87	75 (Habitat)	0.002834	3608.01	0.33	228.45	3.81
1	7448.74	75 (Habitat)	0.000641	3607.78	0.53	130.16	2.16
1	7280.9	75 (Habitat)	0.000103	3607.75	0.48	144.25	2.78
1	7194.17	75 (Habitat)	0.000621	3607.71	0.50	137.85	2.24
1	7072.27	75 (Habitat)	0.000700	3607.62	0.55	125.57	1.43
1	6994.25	75 (Habitat)	0.000219	3607.61	0.73	94.00	1.89
1	6805.39	75 (Habitat)	0.002372	3607.52	0.38	180.75	2.85
1	6705.39	75 (Habitat)	0.004162	3607.20	0.47	161.19	2.66
1	6641.75	75 (Habitat)	0.000450	3607.12	0.65	114.70	2.21
1	6591.75	75 (Habitat)	0.000457	3607.09	0.66	113.51	2.19
1	6501.97	75 (Habitat)	0.001076	3607.05	0.37	203.47	2.64
1	6360.07	75 (Habitat)	0.000149	3607.00	0.45	166.38	2.75
1	5987.62	75 (Habitat)	0.000191	3606.94	0.47	159.92	2.93
1	5834.83	75 (Habitat)	0.002094	3606.77	0.90	83.37	1.51
1	5714.41	75 (Habitat)	0.000044	3606.82	0.38	195.44	3.86
1	5536.82	75 (Habitat)	0.001042	3606.75	0.37	200.24	2.81
1	5446.22	75 (Habitat)	0.000361	3606.72	0.57	131.61	1.61
1	5345.44	75 (Habitat)	0.000366	3606.69	0.46	162.13	1.78
1	5241.79	75 (Habitat)	0.007473	3606.59	0.45	166.33	3.29
1	5147.54	75 (Habitat)	0.000151	3606.54	0.39	193.23	2.58
1	5067.41	75 (Habitat)	0.000238	3606.52	0.46	163.89	2.10
1	4857.57	75 (Habitat)	0.000197	3606.48	0.49	152.57	2.51
1	4759.61	75 (Habitat)	0.004979	3606.43	0.38	195.88	3.44
1	4663.43	75 (Habitat)	0.010535	3605.76	0.43	174.94	2.57
1	4573.64	75 (Habitat)	0.000336	3605.65	0.72	103.36	2.01
1	4329.41	75 (Habitat)	0.005431	3605.45	0.32	237.99	2.68
1	4062.83	75 (Habitat)	0.000146	3605.33	0.64	117.75	2.39
1	3937.75	75 (Habitat)	0.000214	3605.31	0.57	131.77	2.64
1	3774.51	75 (Habitat)	0.009017	3605.21	0.44	168.95	3.21
1	3469.2	75 (Habitat)	0.000032	3605.17	0.22	343.43	2.68
1	3245.96	75 (Habitat)	0.000433	3605.14	0.44	170.26	3.06
1	2950	75 (Habitat)	0.003518	3604.87	0.32	234.15	3.70
1	2850.31	75 (Habitat)	0.000046	3604.85	0.36	210.33	3.33
1	2677.58	75 (Habitat)	0.000059	3604.83	0.43	173.92	3.61
1	2530.69	75 (Habitat)	0.000050	3604.82	0.41	184.91	3.08
1	2422.87	75 (Habitat)	0.000063	3604.82	0.42	177.08	2.82

HEC-RAS Plan: a5-p1 River: OWENS RIVER Reach: 1 Profile: 75 (Habitat) (Continued)

Reach	River Sta	Profile	E.G. Slope (ft/ft)	W.S. Elev (ft)	Vel Total (ft/s)	Flow Area (sq ft)	Hydr Depth (ft)
1	2285.19	75 (Habitat)	0.000154	3604.80	0.53	137.61	2.77
1	2110.05	75 (Habitat)	0.003988	3604.73	0.37	197.03	3.16
1	1726.26	75 (Habitat)	0.000049	3604.67	0.30	243.08	5.16
1	1619.03	75 (Habitat)	0.000101	3604.66	0.46	159.41	3.02
1	1387.8	75 (Habitat)	0.000696	3604.54	0.54	135.36	2.53
1	1275.39	75 (Habitat)	0.005619	3604.41	0.39	190.10	3.48
1	1156.57	75 (Habitat)	0.006220	3603.71	0.33	219.59	2.52
1	993.73	75 (Habitat)	0.001306	3603.31	0.25	292.78	5.25
1	670	75 (Habitat)	0.000196	3603.17	0.63	116.48	2.91
1	540.11	75 (Habitat)	0.012263	3603.09	0.47	157.15	2.55
1	471.75	75 (Habitat)	0.000087	3603.07	0.42	174.88	2.54
1	322.27	75 (Habitat)	0.005887	3603.03	0.39	188.53	3.32
1	190	75 (Habitat)	0.000028	3603.02	0.31	233.41	4.31