

HEC-RAS Plan: Plan 04 River: Fiume Tirso Reach: Fiume Tirso

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Diff	Vel Chnl	Top Width	Froude # Chl
			(m3/s)	(m)	(m)		(m/s)	(m)	
Fiume Tirso	19	S1	73.00	7.80	10.47	-2.67	0.85	99.82	0.24
Fiume Tirso	19	S2	180.00	7.80	12.21	-4.41	0.66	114.67	0.12
Fiume Tirso	19	S3	900.00	7.80	16.07	-8.27	1.05	178.04	0.13
Fiume Tirso	18	S1	73.00	3.79	9.90	-6.11	0.34	83.31	0.07
Fiume Tirso	18	S2	180.00	3.79	11.84	-8.05	0.46	94.08	0.07
Fiume Tirso	18	S3	900.00	3.79	15.50	-11.71	1.02	632.10	0.12
Fiume Tirso	17	S1	73.00	5.75	9.12	-3.37	0.46	56.18	0.09
Fiume Tirso	17	S2	180.00	5.75	11.00	-5.25	0.68	59.76	0.10
Fiume Tirso	17	S3	900.00	5.75	14.15	-8.40	0.90	735.83	0.11
Fiume Tirso	16.9	S1	73.00	5.75	9.10	-3.35	0.46	56.16	0.09
Fiume Tirso	16.9	S2	180.00	5.75	10.98	-5.23	0.68	59.71	0.10
Fiume Tirso	16.9	S3	900.00	5.75	14.13	-8.38	0.93	735.75	0.12
Fiume Tirso	16.8		Bridge						
Fiume Tirso	16.7	S1	73.00	5.75	9.08	-3.33	0.47	56.12	0.09
Fiume Tirso	16.7	S2	180.00	5.75	10.95	-5.20	0.68	59.63	0.10
Fiume Tirso	16.7	S3	900.00	5.75	14.10	-8.35	0.96	735.62	0.12
Fiume Tirso	16.6	S1	73.00	5.75	9.07	-3.32	0.47	56.09	0.09
Fiume Tirso	16.6	S2	180.00	5.75	10.93	-5.18	0.69	59.58	0.10
Fiume Tirso	16.6	S3	900.00	5.75	14.07	-8.32	0.98	735.54	0.12
Fiume Tirso	16	S1	73.00	3.68	8.73	-5.05	0.48	50.05	0.09
Fiume Tirso	16	S2	180.00	3.68	10.49	-6.81	0.73	56.65	0.11
Fiume Tirso	16	S3	900.00	3.68	13.37	-9.69	1.22	625.67	0.17
Fiume Tirso	15.9	S1	73.00	3.68	8.72	-5.04	0.48	50.00	0.09
Fiume Tirso	15.9	S2	180.00	3.68	10.47	-6.79	0.74	56.58	0.11
Fiume Tirso	15.9	S3	900.00	3.68	13.32	-9.64	1.27	621.62	0.18
Fiume Tirso	15.8		Bridge						
Fiume Tirso	15.7	S1	73.00	3.68	8.71	-5.03	0.48	49.99	0.09
Fiume Tirso	15.7	S2	180.00	3.68	10.47	-6.79	0.74	56.56	0.11
Fiume Tirso	15.7	S3	900.00	3.68	13.32	-9.64	1.28	621.06	0.18
Fiume Tirso	15.6	S1	73.00	3.68	8.70	-5.02	0.49	49.93	0.09
Fiume Tirso	15.6	S2	180.00	3.68	10.45	-6.77	0.74	56.49	0.11
Fiume Tirso	15.6	S3	900.00	3.68	13.26	-9.58	1.34	617.79	0.19
Fiume Tirso	15	S1	73.00	3.50	8.62	-5.12	0.15	137.63	0.03
Fiume Tirso	15	S2	180.00	3.50	10.31	-6.81	0.23	170.13	0.04
Fiume Tirso	15	S3	900.00	3.50	12.73	-9.23	0.62	603.16	0.08
Fiume Tirso	14	S1	85.00	3.58	8.39	-4.81	0.57	41.97	0.10
Fiume Tirso	14	S2	210.00	3.58	9.88	-6.30	0.94	75.34	0.14
Fiume Tirso	14	S3	1030.00	3.58	11.93	-8.35	0.81	749.06	0.10
Fiume Tirso	13	S1	85.00	4.55	7.66	-3.11	0.95	66.69	0.22
Fiume Tirso	13	S2	210.00	4.55	8.65	-4.10	1.29	81.49	0.25
Fiume Tirso	13	S3	1030.00	4.55	11.25	-6.70	1.62	592.25	0.22
Fiume Tirso	12.9	S1	85.00	4.55	7.53	-2.98	1.03	64.14	0.25
Fiume Tirso	12.9	S2	210.00	4.55	8.50	-3.95	1.39	80.33	0.28
Fiume Tirso	12.9	S3	1030.00	4.55	11.14	-6.59	1.80	591.73	0.25
Fiume Tirso	12.8		Bridge						
Fiume Tirso	12.7	S1	85.00	4.55	7.50	-2.95	1.06	63.42	0.26
Fiume Tirso	12.7	S2	210.00	4.55	8.46	-3.91	1.42	79.99	0.29

HEC-RAS Plan: Plan 04 River: Fiume Tirso Reach: Fiume Tirso (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Diff	Vel Chnl (m/s)	Top Width (m)	Froude # Chl
Fiume Tirso	12.7	S3	1030.00	4.55	11.10	-6.55	1.87	591.54	0.26
Fiume Tirso	12	S1	85.00	4.80	7.33	-2.53	1.98	65.95	0.53
Fiume Tirso	12	S2	210.00	4.80	8.21	-3.41	2.69	70.34	0.57
Fiume Tirso	12	S3	1030.00	4.80	10.97	-6.17	3.18	591.07	0.45
Fiume Tirso	11.9	S1	85.00	4.80	7.29	-2.49	2.06	65.76	0.55
Fiume Tirso	11.9	S2	210.00	4.80	8.17	-3.37	2.75	70.11	0.59
Fiume Tirso	11.9	S3	1030.00	4.80	10.95	-6.15	3.24	590.98	0.46
Fiume Tirso	11.8		Bridge						
Fiume Tirso	11.7	S1	85.00	4.80	7.26	-2.46	2.12	65.14	0.58
Fiume Tirso	11.7	S2	210.00	4.80	8.12	-3.32	2.83	69.83	0.61
Fiume Tirso	11.7	S3	1030.00	4.80	10.87	-6.07	3.44	590.68	0.50
Fiume Tirso	11.6	S1	85.00	4.80	6.94	-2.14	2.93	59.62	0.89
Fiume Tirso	11.6	S2	210.00	4.80	8.00	-3.20	3.04	69.16	0.67
Fiume Tirso	11.6	S3	1030.00	4.80	10.65	-5.85	4.13	589.82	0.61
Fiume Tirso	11	S1	85.00	0.91	6.64	-5.73	0.48	58.62	0.09
Fiume Tirso	11	S2	210.00	0.91	7.68	-6.77	0.87	64.07	0.14
Fiume Tirso	11	S3	1030.00	0.91	9.41	-8.50	2.15	656.36	0.30
Fiume Tirso	10	S1	85.00	2.40	6.55	-4.15	0.50	88.68	0.11
Fiume Tirso	10	S2	210.00	2.40	7.51	-5.11	0.77	184.28	0.16
Fiume Tirso	10	S3	1030.00	2.40	8.90	-6.50	1.65	573.84	0.27
Fiume Tirso	9.9	S1	85.00	2.40	6.55	-4.15	0.50	88.57	0.11
Fiume Tirso	9.9	S2	210.00	2.40	7.51	-5.11	0.77	183.58	0.16
Fiume Tirso	9.9	S3	1030.00	2.40	8.89	-6.49	1.66	573.24	0.27
Fiume Tirso	9.8		Bridge						
Fiume Tirso	9	S1	85.00	2.40	6.55	-4.15	0.51	88.55	0.11
Fiume Tirso	9	S2	210.00	2.40	7.50	-5.10	0.78	154.18	0.16
Fiume Tirso	9	S3	1030.00	2.40	8.88	-6.48	1.70	573.41	0.28
Fiume Tirso	8.8		Bridge						
Fiume Tirso	8.7	S1	85.00	2.40	6.55	-4.15	0.51	88.44	0.11
Fiume Tirso	8.7	S2	210.00	2.40	7.50	-5.10	0.78	153.78	0.16
Fiume Tirso	8.7	S3	1030.00	2.40	8.86	-6.46	1.71	572.66	0.28
Fiume Tirso	8.6	S1	85.00	2.40	6.54	-4.14	0.51	88.32	0.12
Fiume Tirso	8.6	S2	210.00	2.40	7.49	-5.09	0.79	153.42	0.16
Fiume Tirso	8.6	S3	1030.00	2.40	8.85	-6.45	1.72	572.01	0.28
Fiume Tirso	8	S1	85.00	2.21	6.39	-4.18	0.55	168.78	0.10
Fiume Tirso	8	S2	210.00	2.21	7.35	-5.14	0.42	598.59	0.07
Fiume Tirso	8	S3	1030.00	2.21	8.57	-6.36	0.65	631.73	0.09
Fiume Tirso	7.9	S1	85.00	2.21	6.38	-4.17	0.56	161.95	0.10
Fiume Tirso	7.9	S2	210.00	2.21	7.34	-5.13	0.43	597.79	0.07
Fiume Tirso	7.9	S3	1030.00	2.21	8.56	-6.35	0.65	631.65	0.09
Fiume Tirso	7.8		Bridge						
Fiume Tirso	7.7	S1	85.00	2.21	6.37	-4.16	0.56	155.08	0.10
Fiume Tirso	7.7	S2	210.00	2.21	7.26	-5.05	0.48	583.45	0.08
Fiume Tirso	7.7	S3	1030.00	2.21	8.54	-6.33	0.66	631.38	0.09
Fiume Tirso	7.6	S1	85.00	2.21	6.35	-4.14	0.56	146.54	0.10
Fiume Tirso	7.6	S2	210.00	2.21	7.25	-5.04	0.48	582.37	0.08

HEC-RAS Plan: Plan 04 River: Fiume Tirso Reach: Fiume Tirso (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Diff	Vel Chnl (m/s)	Top Width (m)	Froude # Chl
Fiume Tirso	7.6	S3	1030.00	2.21	8.53	-6.32	0.67	631.30	0.10
Fiume Tirso	7	S1	85.00	0.00	5.33	-5.33	0.69	36.15	0.12
Fiume Tirso	7	S2	210.00	0.00	6.51	-6.51	0.80	607.15	0.12
Fiume Tirso	7	S3	1030.00	0.00	7.64	-7.64	0.98	677.74	0.13
Fiume Tirso	6	S1	85.00	0.09	3.50	-3.41	0.99	45.15	0.23
Fiume Tirso	6	S2	210.00	0.09	4.87	-4.78	1.16	92.00	0.21
Fiume Tirso	6	S3	1030.00	0.09	6.43	-6.34	0.99	602.56	0.15
Fiume Tirso	5.9	S1	85.00	0.09	3.42	-3.33	1.04	44.80	0.24
Fiume Tirso	5.9	S2	210.00	0.09	4.81	-4.72	1.20	90.68	0.22
Fiume Tirso	5.9	S3	1030.00	0.09	6.41	-6.32	1.01	601.48	0.15
Fiume Tirso	5.8		Bridge						
Fiume Tirso	5	S1	85.00	0.16	3.40	-3.24	0.83	51.69	0.19
Fiume Tirso	5	S2	210.00	0.16	4.78	-4.62	1.10	123.41	0.21
Fiume Tirso	5	S3	1030.00	0.16	6.38	-6.22	1.05	549.01	0.17
Fiume Tirso	4.8		Bridge						
Fiume Tirso	4.7	S1	85.00	0.16	3.37	-3.21	0.84	51.35	0.19
Fiume Tirso	4.7	S2	210.00	0.16	4.74	-4.58	1.12	104.81	0.21
Fiume Tirso	4.7	S3	1030.00	0.16	6.35	-6.19	1.07	548.32	0.17
Fiume Tirso	4.6	S1	85.00	0.16	3.32	-3.16	0.86	50.93	0.20
Fiume Tirso	4.6	S2	210.00	0.16	4.68	-4.52	1.14	82.82	0.22
Fiume Tirso	4.6	S3	1030.00	0.16	6.32	-6.16	1.10	547.63	0.18
Fiume Tirso	4	S1	85.00	-2.11	1.80	-3.91	0.91	57.67	0.23
Fiume Tirso	4	S2	210.00	-2.11	3.01	-5.12	1.15	90.87	0.25
Fiume Tirso	4	S3	1030.00	-2.11	4.56	-6.67	1.89	832.99	0.32
Fiume Tirso	3.9	S1	85.00	-2.11	1.79	-3.90	0.92	57.51	0.23
Fiume Tirso	3.9	S2	210.00	-2.11	3.00	-5.11	1.15	90.64	0.25
Fiume Tirso	3.9	S3	1030.00	-2.11	4.54	-6.65	1.91	832.87	0.33
Fiume Tirso	3.8		Bridge						
Fiume Tirso	3.7	S1	85.00	-2.11	1.79	-3.90	0.92	57.46	0.23
Fiume Tirso	3.7	S2	210.00	-2.11	3.00	-5.11	1.15	90.56	0.25
Fiume Tirso	3.7	S3	1030.00	-2.11	4.53	-6.64	1.93	832.79	0.33
Fiume Tirso	3.6	S1	85.00	-2.11	1.78	-3.89	0.93	57.30	0.23
Fiume Tirso	3.6	S2	210.00	-2.11	2.99	-5.10	1.16	90.33	0.26
Fiume Tirso	3.6	S3	1030.00	-2.11	4.51	-6.62	1.96	832.65	0.34
Fiume Tirso	3	S1	85.00	-1.70	1.55	-3.25	0.92	40.22	0.20
Fiume Tirso	3	S2	210.00	-1.70	2.56	-4.26	1.52	54.43	0.31
Fiume Tirso	3	S3	1030.00	-1.70	4.05	-5.75	2.04	926.27	0.33
Fiume Tirso	2.9	S1	85.00	-1.70	1.54	-3.24	0.93	40.20	0.20
Fiume Tirso	2.9	S2	210.00	-1.70	2.54	-4.24	1.53	54.22	0.31
Fiume Tirso	2.9	S3	1030.00	-1.70	4.03	-5.73	2.08	926.01	0.34
Fiume Tirso	2.8		Bridge						
Fiume Tirso	2.7	S1	85.00	-1.70	1.54	-3.24	0.93	40.18	0.20
Fiume Tirso	2.7	S2	210.00	-1.70	2.53	-4.23	1.54	54.04	0.31
Fiume Tirso	2.7	S3	1030.00	-1.70	4.02	-5.72	2.11	925.80	0.35
Fiume Tirso	2.6	S1	85.00	-1.70	1.53	-3.23	0.93	40.17	0.20
Fiume Tirso	2.6	S2	210.00	-1.70	2.51	-4.21	1.55	53.83	0.31

HEC-RAS Plan: Plan 04 River: Fiume Tirso Reach: Fiume Tirso (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Diff	Vel Chnl	Top Width	Froude # Chl
			(m3/s)	(m)	(m)		(m/s)	(m)	
Fiume Tirso	2.6	S3	1030.00	-1.70	4.00	-5.70	2.16	925.48	0.36
Fiume Tirso	2	S1	85.00	-1.36	1.27	-2.63	0.49	99.74	0.12
Fiume Tirso	2	S2	210.00	-1.36	2.06	-3.42	0.78	646.06	0.16
Fiume Tirso	2	S3	1030.00	-1.36	3.43	-4.79	1.17	886.98	0.19
Fiume Tirso	1	S1	85.00	-0.29	0.50	-0.79	1.94	82.80	0.85
Fiume Tirso	1	S2	210.00	-0.29	0.90	-1.19	2.54	169.12	0.89
Fiume Tirso	1	S3	1030.00	-0.29	1.89	-2.18	3.69	306.47	0.89