

HEC-RAS Plan: Plan 03 River: tevere Reach: tevere (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
tevere	22	q30	415.28	308.87	312.20	310.83	312.32	0.000902	1.55	267.61	107.88	0.31
tevere	22	q200	666.08	308.87	312.88	311.27	313.07	0.001078	1.95	342.30	111.97	0.36
tevere	22	q500	700.00	308.87	312.96	311.32	313.16	0.001096	1.99	351.32	112.29	0.36
tevere	21	q20	372.54	308.94	310.85	310.85	311.39	0.012001	3.27	114.08	105.68	1.00
tevere	21	q30	415.28	308.94	310.93	310.93	311.51	0.011701	3.38	122.86	105.88	1.00
tevere	21	q200	666.08	308.94	311.36	311.36	312.15	0.010780	3.96	168.17	106.65	1.01
tevere	21	q500	700.00	308.94	311.42	311.42	312.23	0.010470	4.00	175.03	106.87	1.00
tevere	20	q20	372.54	308.37	309.51	309.97	311.15	0.073512	5.67	65.76	104.78	2.28
tevere	20	q30	415.28	308.37	309.57	310.05	311.27	0.068085	5.78	71.87	104.90	2.23
tevere	20	q200	666.08	308.37	311.46	310.49	311.77	0.002244	2.45	271.56	107.12	0.49
tevere	20	q500	700.00	308.37	311.60	310.53	311.91	0.002130	2.44	286.70	109.22	0.48
tevere	19	q20	372.54	305.71	309.79	308.70	309.94	0.001386	1.71	218.28	104.69	0.38
tevere	19	q30	415.28	305.71	309.92	308.79	310.09	0.001425	1.79	231.86	105.54	0.39
tevere	19	q200	666.08	305.71	311.18	309.27	311.34	0.001035	1.78	374.20	135.51	0.34
tevere	19	q500	700.00	305.71	311.34	309.34	311.50	0.000952	1.76	396.95	136.94	0.33
tevere	18	q20	372.54	306.53	308.74	308.48	309.14	0.006065	2.81	132.35	91.04	0.75
tevere	18	q30	415.28	306.53	309.04	308.57	309.38	0.004029	2.59	160.13	91.11	0.62
tevere	18	q200	666.08	306.53	310.91	309.04	311.01	0.000979	1.37	484.75	248.71	0.31
tevere	18	q500	700.00	306.53	311.13	309.10	311.22	0.000771	1.30	539.68	252.37	0.28
tevere	17	q20	372.54	305.92	308.91	307.59	309.05	0.001031	1.64	227.00	91.01	0.33
tevere	17	q30	415.28	305.92	309.17	307.69	309.31	0.000923	1.65	251.01	91.06	0.32
tevere	17	q200	666.08	305.92	310.93	308.17	311.00	0.000584	1.15	577.67	261.81	0.25
tevere	17	q500	700.00	305.92	311.15	308.22	311.21	0.000479	1.10	634.69	264.92	0.23
tevere	16	q20	372.54	305.26	308.83	307.28	308.96	0.000869	1.61	231.06	82.63	0.31
tevere	16	q30	415.28	305.26	309.10	307.38	309.23	0.000801	1.64	253.38	82.68	0.30
tevere	16	q200	666.08	305.26	310.88	307.89	310.94	0.000496	1.08	615.93	272.08	0.23
tevere	16	q500	700.00	305.26	311.11	307.96	311.16	0.000402	1.03	677.48	274.81	0.21
tevere	15	q20	372.54	300.96	307.62	306.09	308.48	0.006331	4.12	91.42	18.24	0.58
tevere	15	q30	415.28	300.96	307.72	306.36	308.75	0.007478	4.51	93.14	18.24	0.63
tevere	15	q200	666.08	300.96	307.77	307.77	310.37	0.018738	7.17	94.04	18.24	1.00
tevere	15	q500	700.00	300.96	307.93	307.93	310.63	0.018954	7.29	97.13	18.24	1.00
tevere	13	q20	372.54	300.95	307.66	305.79	308.40	0.005511	3.82	97.65	18.23	0.53
tevere	13	q30	415.28	300.95	307.76	306.06	308.65	0.006513	4.17	99.54	18.23	0.57
tevere	13	q200	666.08	300.95	306.86	307.45	310.14	0.027079	8.02	83.05	18.23	1.20
tevere	13	q500	700.00	300.95	307.02	307.62	310.40	0.027270	8.14	85.97	18.23	1.20
tevere	12	q20	372.54	302.87	307.49	306.00	307.71	0.002079	2.08	179.43	86.30	0.46
tevere	12	q30	415.28	302.87	307.65	306.16	307.88	0.002100	2.15	193.06	88.76	0.47
tevere	12	q200	666.08	302.87	308.34	307.11	308.67	0.002454	2.57	258.71	102.56	0.52
tevere	12	q500	700.00	302.87	308.41	307.26	308.76	0.002488	2.63	266.06	103.19	0.52
tevere	11	Bridge										
tevere	10	q20	372.54	303.18	307.46	306.20	307.67	0.002413	2.05	182.13	99.95	0.48
tevere	10	q30	415.28	303.18	307.61	306.35	307.84	0.002301	2.10	198.14	101.16	0.48
tevere	10	q200	666.08	303.18	308.31	307.27	308.61	0.002287	2.45	271.45	108.99	0.50
tevere	10	q500	700.00	303.18	308.37	307.32	308.70	0.002309	2.51	278.85	109.00	0.50
tevere	9	q20	372.54	302.38	307.45	305.08	307.59	0.001155	1.69	220.19	89.82	0.34
tevere	9	q30	415.28	302.38	307.60	305.25	307.76	0.001230	1.77	234.51	93.85	0.36
tevere	9	q200	666.08	302.38	308.29	306.43	308.52	0.001744	2.09	319.04	131.26	0.43
tevere	9	q500	700.00	302.38	308.37	306.53	308.60	0.001754	2.13	328.34	131.45	0.43
tevere	8	q20	372.54	300.67	307.18	304.42	307.30	0.001106	1.54	241.92	113.65	0.34
tevere	8	q30	415.28	300.67	307.32	304.59	307.45	0.001203	1.61	257.90	120.83	0.35
tevere	8	q200	666.08	300.67	307.91	305.51	308.11	0.001498	1.98	336.46	136.42	0.40
tevere	8	q500	700.00	300.67	307.98	305.61	308.19	0.001517	2.03	345.63	136.69	0.41
tevere	7	q20	372.54	300.52	306.69	304.16	306.86	0.002296	1.81	205.99	130.43	0.46
tevere	7	q30	415.28	300.52	306.80	304.40	306.98	0.002329	1.89	220.01	132.03	0.47
tevere	7	q200	666.08	300.52	307.25	306.49	307.54	0.002776	2.38	279.82	135.11	0.53
tevere	7	q500	700.00	300.52	307.30	306.54	307.60	0.002820	2.44	287.11	135.30	0.53
tevere	6	q20	372.54	298.99	305.33	303.31	305.51	0.002616	1.88	198.64	131.59	0.49
tevere	6	q30	415.28	298.99	305.44	303.56	305.63	0.002559	1.94	214.16	132.75	0.49
tevere	6	q200	666.08	298.99	305.78	305.19	306.01	0.002684	2.23	328.71	204.96	0.51
tevere	6	q500	700.00	298.99	305.84	305.24	306.08	0.002632	2.25	341.82	205.51	0.51
tevere	5	q20	372.54	297.85	304.00	302.25	304.19	0.002770	1.97	189.50	121.90	0.50
tevere	5	q30	415.28	297.85	304.07	303.07	304.30	0.002959	2.09	198.83	122.76	0.52
tevere	5	q200	666.08	297.85	304.85	303.89	305.03	0.001529	1.91	363.71	160.32	0.40
tevere	5	q500	700.00	297.85	304.91	303.94	305.10	0.001544	1.95	373.85	160.32	0.40
tevere	4	q20	372.54	296.26	301.73	300.03	301.89	0.002747	1.80	207.34	153.14	0.49
tevere	4	q30	415.28	296.26	301.87	300.24	302.03	0.002479	1.82	228.65	153.79	0.48

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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
tevere	4	q200	666.08	296.26	301.62	301.62	302.24	0.011595	3.50	190.49	152.63	1.00
tevere	4	q500	700.00	296.26	301.66	301.66	302.30	0.011522	3.56	196.73	152.82	1.00
tevere	3	q20	372.54	295.06	300.49	298.80	300.64	0.001571	1.76	225.17	129.45	0.39
tevere	3	q30	415.28	295.06	300.46	299.13	300.65	0.002041	1.99	221.88	129.34	0.45
tevere	3	q200	666.08	295.06	301.31	300.09	301.34	0.000226	0.84	861.77	308.51	0.16
tevere	3	q500	700.00	295.06	301.46	300.17	301.49	0.000210	0.83	908.61	308.51	0.15
tevere	2	q20	372.54	294.30	299.49	297.79	299.95	0.002294	3.01	125.87	47.74	0.51
tevere	2	q30	415.28	294.30	299.75	298.03	300.24	0.002296	3.10	138.53	48.77	0.51
tevere	2	q200	666.08	294.30	299.42	299.33	300.96	0.007792	5.50	122.40	47.45	0.93
tevere	2	q500	700.00	294.30	299.52	299.52	301.12	0.007941	5.62	127.01	47.83	0.94
tevere	1	q20	372.54	292.56	296.08	296.08	297.36	0.009596	5.01	74.32	29.05	1.00
tevere	1	q30	415.28	292.56	296.28	296.28	297.65	0.009508	5.18	80.22	29.58	1.00
tevere	1	q200	666.08	292.56	297.80	297.80	298.13	0.002501	3.15	420.15	524.80	0.53
tevere	1	q500	700.00	292.56	297.82	297.83	298.16	0.002652	3.26	427.96	524.80	0.55