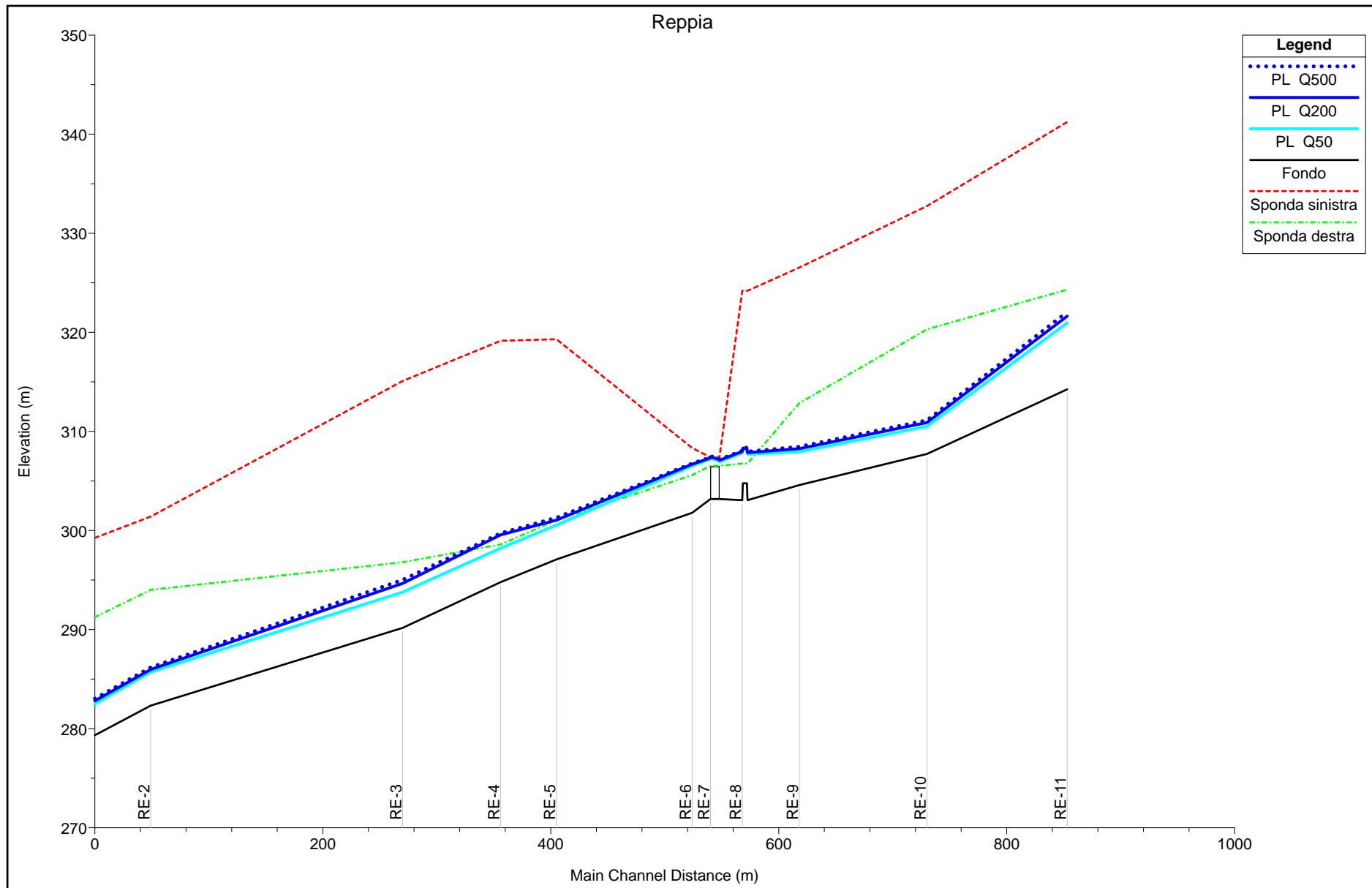


Torrente Reppia

VERIFICHE IDRAULICHE



HEC-RAS Plan: reppia River: Reppia Reach: Reppia

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (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
Reppia	11	Q50	283.20	314.25	341.23	20.29	324.31	3.37	320.94	320.94	323.00	0.011140	6.35	44.62	11.04	1.01
Reppia	11	Q200	348.80	314.25	341.23	19.59	324.31	2.67	321.64	321.64	323.88	0.010989	6.63	52.57	11.90	1.01
Reppia	11	Q500	391.80	314.25	341.23	19.17	324.31	2.25	322.06	322.06	324.41	0.010873	6.79	57.68	12.42	1.01
Reppia	10	Q50	283.20	307.72	332.75	22.25	320.31	9.81	310.50	312.70	319.40	0.079948	13.22	21.42	10.47	2.95
Reppia	10	Q200	348.80	307.72	332.75	21.86	320.31	9.42	310.89	313.28	320.34	0.074075	13.62	25.61	11.11	2.86
Reppia	10	Q500	391.80	307.72	332.75	21.62	320.31	9.18	311.13	313.64	320.90	0.071110	13.85	28.29	11.51	2.82
Reppia	9	Q50	283.20	304.58	326.54	18.60	312.85	4.91	307.94	309.36	312.55	0.033835	9.52	29.76	13.15	2.02
Reppia	9	Q200	348.80	304.58	326.54	18.28	312.85	4.59	308.26	309.90	313.60	0.035038	10.23	34.09	13.69	2.07
Reppia	9	Q500	391.80	304.58	326.54	18.08	312.85	4.39	308.46	310.23	314.23	0.035612	10.64	36.83	14.02	2.09
Reppia	8.3	Q50	283.20	303.06	324.20	16.50	306.76	-0.94	307.70	308.62	310.87	0.022801	8.27	39.01	24.79	1.63
Reppia	8.3	Q200	348.80	303.06	324.20	16.34	306.76	-1.10	307.86	308.98	311.78	0.027139	9.28	42.94	24.98	1.79
Reppia	8.3	Q500	391.80	303.06	324.20	16.24	306.76	-1.20	307.96	309.19	312.34	0.029636	9.86	45.40	25.10	1.88
Reppia	8.2	Q50	283.20	304.76	324.20	16.04	306.76	-1.40	308.16	308.91	310.66	0.020519	7.59	42.50	25.35	1.60
Reppia	8.2	Q200	348.80	304.76	324.20	15.93	306.76	-1.51	308.27	309.25	311.58	0.026027	8.74	45.22	25.48	1.81
Reppia	8.2	Q500	391.80	304.76	324.20	15.85	306.76	-1.59	308.35	309.44	312.15	0.028987	9.37	47.20	25.57	1.92
Reppia	8.1	Q50	283.20	304.76	324.20	15.98	306.76	-1.46	308.22	308.91	310.53	0.018535	7.30	44.03	25.42	1.53
Reppia	8.1	Q200	348.80	304.76	324.20	15.88	306.76	-1.56	308.32	309.25	311.43	0.023925	8.47	46.55	25.54	1.74
Reppia	8.1	Q500	391.80	304.76	324.20	15.80	306.76	-1.64	308.40	309.44	311.99	0.026810	9.10	48.49	25.63	1.85
Reppia	8	Q50	283.20	303.06	324.20	16.36	306.76	-1.08	307.84	308.62	310.49	0.018480	7.63	42.41	24.95	1.48
Reppia	8	Q200	348.80	303.06	324.20	16.23	306.76	-1.21	307.97	308.98	311.39	0.023014	8.71	45.75	25.12	1.66
Reppia	8	Q500	391.80	303.06	324.20	16.14	306.76	-1.30	308.06	309.19	311.95	0.025627	9.32	47.96	25.22	1.75
Reppia	7.5	Q50	283.20	303.18	307.40	0.48	306.53	-0.39	306.92	307.81	310.03	0.023230	8.18	40.29	27.03	1.40
Reppia	7.5	Q200	348.80	303.18	307.40	0.31	306.53	-0.56	307.09	308.10	310.84	0.028494	9.13	44.81	27.44	1.56
Reppia	7.5	Q500	391.80	303.18	307.40	0.22	306.53	-0.65	307.18	308.27	311.33	0.033503	9.69	47.26	28.40	1.71
Reppia	7.1		Bridge													
Reppia	7	Q50	283.20	303.18	307.40	0.18	306.53	-0.69	307.22	307.81	309.26	0.016825	6.80	48.52	28.88	1.22
Reppia	7	Q200	348.80	303.18	307.40	0.07	306.53	-0.80	307.33	308.10	309.96	0.022904	7.76	51.74	30.08	1.44
Reppia	7	Q500	391.80	303.18	307.40	0.00	306.53	-0.87	307.40	308.27	310.40	0.026802	8.30	53.88	30.85	1.58
Reppia	6	Q50	283.20	301.78	308.33	1.80	305.59	-0.94	306.53	307.26	308.95	0.016775	7.34	46.59	34.62	1.42
Reppia	6	Q200	348.80	301.78	308.33	1.65	305.59	-1.09	306.68	307.53	309.59	0.019772	8.17	51.84	34.83	1.55
Reppia	6	Q500	391.80	301.78	308.33	1.56	305.59	-1.18	306.77	307.70	310.00	0.021593	8.66	54.95	34.95	1.62
Reppia	5	Q50	283.20	297.08	319.30	18.76	301.05	0.51	300.54	302.22	305.76	0.038720	10.13	27.97	11.79	2.10
Reppia	5	Q200	348.80	297.08	319.30	18.25	301.05	0.00	301.05	302.58	306.33	0.033904	10.18	34.27	12.79	1.98
Reppia	5	Q500	391.80	297.08	319.30	18.01	301.05	-0.24	301.29	302.80	306.67	0.032265	10.34	39.87	24.88	1.95
Reppia	4	Q50	283.20	294.79	319.15	20.93	298.59	0.37	298.22	299.30	303.74	0.042674	10.41	27.20	12.28	2.23
Reppia	4	Q200	348.80	294.79	319.15	19.59	298.59	-0.97	299.56	299.56	300.53	0.005945	4.87	83.88	38.71	0.88

HEC-RAS Plan: reppia River: Reppia Reach: Reppia (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (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
Reppia	4	Q500	391.80	294.79	319.15	19.43	298.59	-1.13	299.72	299.72	300.77	0.006088	5.04	90.08	38.92	0.89
Reppia	3	Q50	283.20	290.17	315.09	21.32	296.80	3.03	293.77	295.58	299.82	0.047476	10.89	25.99	11.35	2.30
Reppia	3	Q200	348.80	290.17	315.09	20.44	296.80	2.15	294.65	296.14	299.22	0.028390	9.46	36.86	13.33	1.82
Reppia	3	Q500	391.80	290.17	315.09	20.07	296.80	1.78	295.02	296.48	299.48	0.025553	9.36	41.85	14.15	1.74
Reppia	2	Q50	283.20	282.32	301.40	15.69	294.01	8.30	285.71	287.19	290.45	0.035187	9.64	29.37	12.74	2.03
Reppia	2	Q200	348.80	282.32	301.40	15.43	294.01	8.04	285.97	287.74	291.74	0.039568	10.64	32.79	13.32	2.16
Reppia	2	Q500	391.80	282.32	301.40	15.22	294.01	7.83	286.18	288.06	292.35	0.039865	11.00	35.63	13.79	2.18
Reppia	1	Q50	283.20	279.33	299.26	16.77	291.25	8.76	282.49	284.20	288.37	0.046286	10.74	26.37	12.21	2.33
Reppia	1	Q200	348.80	279.33	299.26	16.45	291.25	8.44	282.81	284.75	289.53	0.047388	11.48	30.38	12.81	2.38
Reppia	1	Q500	391.80	279.33	299.26	16.24	291.25	8.23	283.02	285.08	290.13	0.046928	11.81	33.17	13.21	2.38

