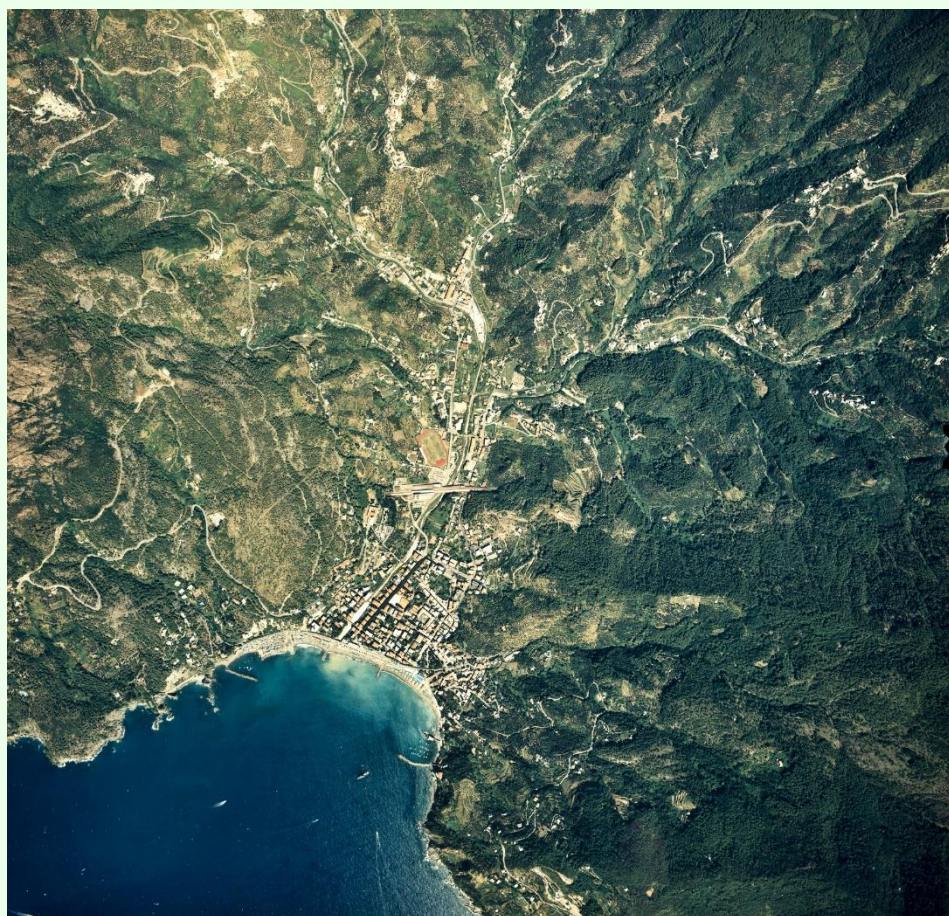


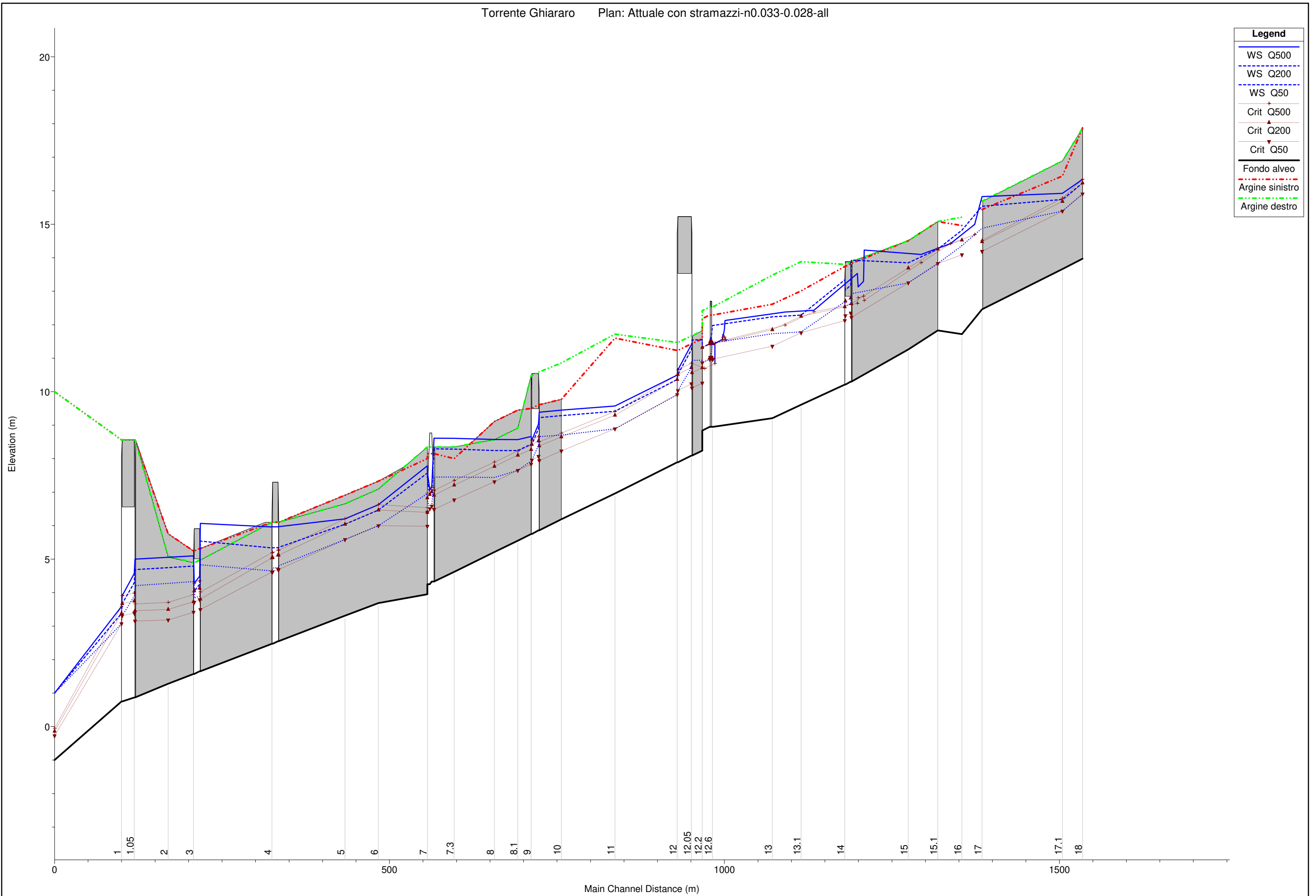
**PIANO DI BACINO STRALCIO
PER LA TUTELA DAL RISCHIO IDROGEOLOGICO
(ai sensi dell'art. 1, comma 1, del D.L. 180/1998 convertito con L. 267/1998)**

AMBITO 18 – Ghiararo



**VERIFICHE IDRAULICHE
TORRENTE GHIARARO E AFFLUENTI
*LEVANTO***

APPROVAZIONE	Delibera del Consiglio Provinciale della Spezia n. 51 del 05/05/2003
ULTIMA MODIFICA DELL'ELABORATO	Decreto del Direttore Generale n. 4387 del 03/08/2020
ENTRATA IN VIGORE	Pubblicazione sul BURL n. 34 del 19/08/2020 – parte II



Legend	
— (Solid Blue)	WS Q500
- - - (Dashed Blue)	WS Q200
... (Dotted Blue)	WS Q50
—▲ (Solid Red)	Crit Q500
- - -▲ (Dashed Red)	Crit Q200
...▲ (Dotted Red)	Crit Q50
— (Solid Black)	Fondo alveo
- - -▲ (Dashed Red)	Argine sinistro
...▲ (Dotted Green)	Argine destro

1 cm Horiz. = 50 m 1 cm Vert. = 1 m

Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
PRINCIPALE2	18	Q500	180.00	179.03	13.97	17.88	17.87	16.34	16.34	17.45	2.20	2.37	4.66	38.43	17.50	1.00
PRINCIPALE2	18	Q200	180.00	165.86	13.97	17.88	17.87	16.23	16.23	17.28	2.09	2.26	4.54	36.52	17.50	1.00
PRINCIPALE2	18	Q50	180.00	128.69	13.97	17.88	17.87	15.91	15.91	16.79	1.76	1.94	4.17	30.83	17.50	1.00
PRINCIPALE2	17.992		Lat Struct													
PRINCIPALE2	17.991		Lat Struct													
PRINCIPALE2	17.1	Q500	150.00	179.03	13.66	16.44	16.89	15.92	15.78	16.78	2.09	2.26	4.09	43.76	20.90	0.90
PRINCIPALE2	17.1	Q200	150.00	165.86	13.66	16.44	16.89	15.74	15.68	16.62	1.91	2.08	4.15	39.93	20.90	0.96
PRINCIPALE2	17.1	Q50	150.00	128.69	13.66	16.44	16.89	15.39	15.39	16.18	1.56	1.73	3.94	32.68	20.90	1.01
PRINCIPALE2	17	Q500	30.00	170.50	12.46	15.44	15.69	15.82	14.52	16.16	3.19	3.36	2.55	66.77	20.91	0.46
PRINCIPALE2	17	Q200	30.00	165.55	12.46	15.44	15.69	15.54	14.48	15.92	2.91	3.08	2.72	60.79	20.91	0.51
PRINCIPALE2	17	Q50	30.00	128.69	12.46	15.44	15.69	14.88	14.19	15.26	2.25	2.42	2.73	47.06	20.91	0.58
PRINCIPALE1	16	Q500	1373.52	286.11	11.72	14.96	15.21	15.00	14.69	15.97	2.74	3.28	4.38	65.37	23.86	0.84
PRINCIPALE1	16	Q200	1354.52	258.26	11.72	14.96	15.21	14.82	14.53	15.73	2.57	3.10	4.22	61.26	23.82	0.84
PRINCIPALE1	16	Q50	1354.52	188.69	11.72	14.96	15.21	14.36	14.09	15.08	2.12	2.64	3.75	50.26	23.71	0.82
PRINCIPALE1	15.1	Q500	1337.52	286.11	11.83	15.08	15.08	14.42	14.42	15.65	2.44	2.59	4.92	58.17	23.83	1.00
PRINCIPALE1	15.1	Q200	1318.52	258.26	11.83	15.08	15.08	14.26	14.26	15.41	2.28	2.43	4.76	54.29	23.79	1.01
PRINCIPALE1	15.1	Q50	1318.52	188.69	11.83	15.08	15.08	13.83	13.83	14.76	1.86	2.00	4.29	44.00	23.70	1.00
PRINCIPALE1	15.0992		Lat Struct													
PRINCIPALE1	15.0991		Lat Struct													
PRINCIPALE1	15	Q500	1293.52	286.11	11.26	14.51	14.51	14.10	13.85	15.12	2.68	2.84	4.47	64.07	23.88	0.87
PRINCIPALE1	15	Q200	1274.52	258.26	11.26	14.51	14.51	13.85	13.69	14.86	2.44	2.59	4.45	58.03	23.83	0.91
PRINCIPALE1	15	Q50	1274.52	188.69	11.26	14.51	14.51	13.25	13.25	14.19	1.85	1.99	4.30	43.92	23.70	1.01
PRINCIPALE1	14.1	Q500	1208.52	276.15	10.30	13.83	13.89	14.23	12.73	14.63	3.70	3.93	2.81	98.40	26.60	0.47
PRINCIPALE1	14.1	Q200	1189.52	258.21	10.30	13.83	13.89	13.93	12.63	14.34	3.40	3.63	2.86	90.35	26.60	0.49
PRINCIPALE1	14.1	Q50	1189.52	188.69	10.30	13.83	13.89	12.93	12.22	13.37	2.43	2.63	2.95	63.86	26.25	0.60
PRINCIPALE1	14.05		Bridge													
PRINCIPALE1	14	Q500	1198.52	276.15	10.21	13.74	13.80	13.53	12.64	14.11	3.10	3.32	3.36	82.19	26.51	0.61
PRINCIPALE1	14	Q200	1179.52	258.21	10.21	13.74	13.80	13.34	12.54	13.91	2.92	3.13	3.35	77.08	26.44	0.63
PRINCIPALE1	14	Q50	1179.52	188.69	10.21	13.74	13.80	12.68	12.13	13.19	2.29	2.47	3.15	59.89	26.19	0.67
PRINCIPALE1	13.1	Q500	1133.52	291.15	9.61	13.01	13.88	12.43	12.39	13.72	2.69	2.82	5.04	57.76	21.50	0.98
PRINCIPALE1	13.1	Q200	1114.52	269.21	9.61	13.01	13.88	12.29	12.25	13.52	2.55	2.68	4.92	54.71	21.47	0.98
PRINCIPALE1	13.1	Q50	1114.52	194.69	9.61	13.01	13.88	11.79	11.76	12.78	2.06	2.18	4.43	43.97	21.38	0.99
PRINCIPALE1	13	Q500	1090.52	291.15	9.21	12.61	13.48	12.38	11.99	13.39	3.03	3.17	4.46	65.26	21.56	0.82
PRINCIPALE1	13	Q200	1071.52	269.21	9.21	12.61	13.48	12.23	11.85	13.19	2.89	3.02	4.33	62.17	21.54	0.81
PRINCIPALE1	13	Q50	1071.52	194.69	9.21	12.61	13.48	11.73	11.36	12.46	2.39	2.52	3.79	51.31	21.44	0.78
PRINCIPALE1	12.7	Q500	1001.82	291.15	8.95	12.29	12.53	12.13	11.56	12.95	3.05	3.18	4.03	72.31	23.69	0.74

HEC-RAS Plan: 0.028-0.033-all (Continued)

Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
PRINCIPALE1	12.7	Q200	982.82	269.21	8.95	12.29	12.53	11.98	11.43	12.76	2.90	3.03	3.92	68.71	23.69	0.73
PRINCIPALE1	12.7	Q50	982.82	194.69	8.95	12.29	12.53	11.46	10.97	12.06	2.38	2.51	3.45	56.38	23.68	0.71
PRINCIPALE1	12.6	Q500	1000.82	291.15	8.95	12.29	12.53	12.12	11.56	12.95	3.05	3.17	4.04	72.15	23.69	0.74
PRINCIPALE1	12.6	Q200	981.82	269.21	8.95	12.29	12.53	11.97	11.43	12.76	2.89	3.02	3.93	68.54	23.69	0.74
PRINCIPALE1	12.6	Q50	981.82	194.69	8.95	12.29	12.53	11.45	10.97	12.06	2.37	2.50	3.46	56.23	23.68	0.72
PRINCIPALE1	12.55		Bridge													
PRINCIPALE1	12.5	Q500	997.82	291.15	8.95	12.29	12.53	11.71	11.56	12.82	2.63	2.76	4.67	62.39	23.69	0.92
PRINCIPALE1	12.5	Q200	978.82	269.21	8.95	12.29	12.53	11.57	11.43	12.63	2.49	2.62	4.56	59.08	23.68	0.92
PRINCIPALE1	12.5	Q50	978.82	194.69	8.95	12.29	12.53	11.08	10.97	11.94	2.01	2.13	4.10	47.53	23.68	0.92
PRINCIPALE1	12.4	Q500	996.82	291.15	8.95	12.29	12.53	11.56	11.56	12.81	2.48	2.61	4.96	58.73	23.68	1.00
PRINCIPALE1	12.4	Q200	977.82	269.21	8.95	12.29	12.53	11.43	11.43	12.62	2.35	2.48	4.83	55.74	23.68	1.01
PRINCIPALE1	12.4	Q50	977.82	194.69	8.95	12.29	12.53	10.97	10.97	11.93	1.90	2.02	4.34	44.90	23.68	1.01
PRINCIPALE1	12.3	Q500	985.82	291.15	8.84	12.18	12.42	11.45	11.45	12.70	2.48	2.61	4.96	58.74	23.68	1.00
PRINCIPALE1	12.3	Q200	966.82	269.21	8.84	12.18	12.42	11.32	11.32	12.51	2.35	2.48	4.83	55.75	23.68	1.00
PRINCIPALE1	12.3	Q50	966.82	194.69	8.84	12.18	12.42	10.86	10.86	11.82	1.90	2.02	4.34	44.91	23.68	1.00
PRINCIPALE1	12.2	Q500	985.81	291.15	8.24	11.58	11.82	10.84	10.84	12.10	2.48	2.60	4.96	58.69	23.68	1.01
PRINCIPALE1	12.2	Q200	966.81	269.21	8.24	11.58	11.82	11.55	10.72	12.20	3.18	3.31	3.57	75.37	23.69	0.64
PRINCIPALE1	12.2	Q50	966.81	194.69	8.24	11.58	11.82	10.94	10.26	11.46	2.57	2.70	3.20	60.93	23.69	0.64
PRINCIPALE1	12.1992		Lat Struct													
PRINCIPALE1	12.1991		Lat Struct													
PRINCIPALE1	12.1	Q500	970.51	291.15	8.11	10.32	10.41		10.70	12.32						0.00
PRINCIPALE1	12.1	Q200	951.51	268.91	8.09	11.43	11.67	11.55	10.57	12.14	3.33	3.46	3.41	78.90	23.69	0.60
PRINCIPALE1	12.1	Q50	951.51	194.69	8.09	11.43	11.67	10.94	10.11	11.40	2.72	2.85	3.02	64.41	23.69	0.59
PRINCIPALE1	12.05		Bridge													
PRINCIPALE1	12	Q500	929.51	291.15	7.89	11.23	11.47	10.49	10.49	11.75	2.48	2.60	4.96	58.69	23.68	1.01
PRINCIPALE1	12	Q200	929.51	268.91	7.89	11.23	11.47	10.37	10.37	11.56	2.35	2.48	4.83	55.66	23.68	1.01
PRINCIPALE1	12	Q50	929.51	194.69	7.89	11.23	11.47	9.91	9.91	10.87	1.89	2.02	4.34	44.86	23.68	1.01
PRINCIPALE1	11	Q500	836.51	291.15	6.96	11.60	11.72	9.57	9.41	10.52	2.33	2.61	4.32	67.41	28.94	0.90
PRINCIPALE1	11	Q200	836.51	268.91	6.96	11.60	11.72	9.42	9.30	10.35	2.18	2.46	4.28	62.85	28.88	0.93
PRINCIPALE1	11	Q50	836.51	194.69	6.96	11.60	11.72	8.89	8.89	9.74	1.67	1.93	4.07	47.81	28.70	1.01
PRINCIPALE1	10	Q500	756.51	291.15	6.19	9.77	10.86	9.45	8.77	10.12	2.91	3.26	3.63	80.28	27.58	0.68
PRINCIPALE1	10	Q200	756.51	268.91	6.19	9.77	10.86	9.28	8.65	9.93	2.75	3.09	3.55	75.77	27.52	0.68
PRINCIPALE1	10	Q50	756.51	194.69	6.19	9.77	10.86	8.70	8.23	9.24	2.19	2.51	3.25	59.82	27.32	0.70
PRINCIPALE1	9.91		Lat Struct													
PRINCIPALE1	9.1	Q500	723.51	291.15	5.86	9.61	10.59	9.39	8.50	10.01	3.17	3.53	3.50	83.08	26.18	0.63
PRINCIPALE1	9.1	Q200	723.51	268.91	5.86	9.61	10.59	9.23	8.38	9.82	3.04	3.37	3.41	78.90	25.93	0.62

HEC-RAS Plan: 0.028-0.033-all (Continued)

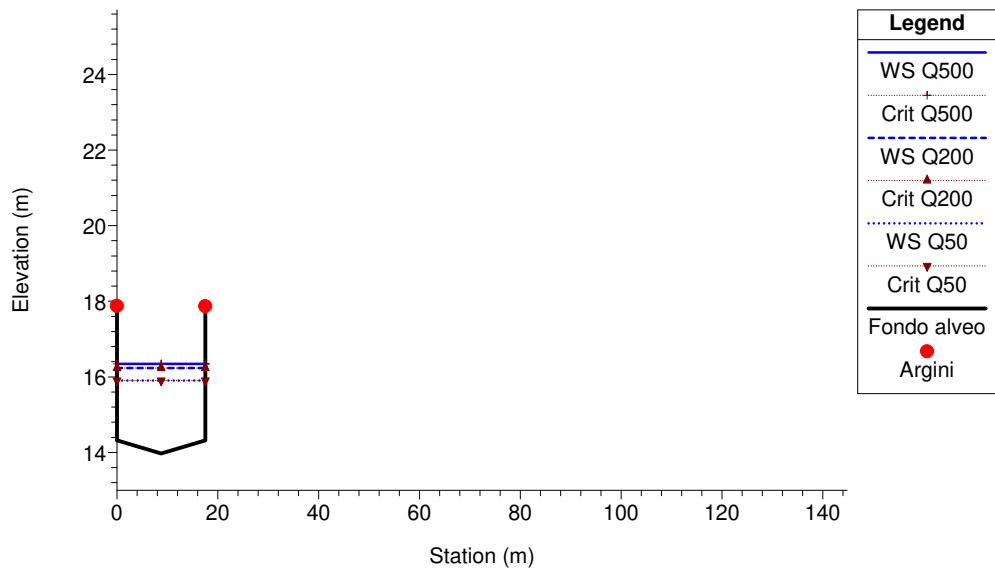
Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
PRINCIPALE1	9.1	Q50	723.51	194.69	5.86	9.61	10.59	8.66	7.94	9.12	2.50	2.80	3.03	64.18	25.70	0.61
PRINCIPALE1	9.05		Bridge													
PRINCIPALE1	9	Q500	711.51	291.15	5.75	9.50	10.48	8.66	8.40	9.62	2.61	2.91	4.34	67.16	25.75	0.86
PRINCIPALE1	9	Q200	711.51	268.91	5.75	9.50	10.48	8.43	8.27	9.41	2.39	2.68	4.39	61.29	25.66	0.91
PRINCIPALE1	9	Q50	711.51	194.69	5.75	9.50	10.48	7.93	7.83	8.75	1.90	2.18	4.02	48.40	25.46	0.93
PRINCIPALE1	8.9992		Lat Struct													
PRINCIPALE1	8.9991		Lat Struct													
PRINCIPALE1	8.1	Q500	691.51	291.10	5.55	9.45	8.91	8.57	8.23	9.52	2.76	3.02	4.32	67.33	24.37	0.83
PRINCIPALE1	8.1	Q200	691.51	268.91	5.55	9.45	8.91	8.24	8.10	9.29	2.45	2.69	4.53	59.39	24.25	0.92
PRINCIPALE1	8.1	Q50	691.51	194.69	5.55	9.45	8.91	7.65	7.65	8.60	1.88	2.10	4.32	45.08	24.02	1.01
PRINCIPALE1	8	Q500	656.51	291.05	5.21	9.11	8.57	8.57	7.90	9.32	3.09	3.36	3.84	75.75	24.51	0.70
PRINCIPALE1	8	Q200	656.51	268.91	5.21	9.11	8.57	8.24	7.77	9.05	2.78	3.03	3.97	67.69	24.38	0.76
PRINCIPALE1	8	Q50	656.51	194.69	5.21	9.11	8.57	7.44	7.31	8.27	2.00	2.23	4.04	48.19	24.07	0.91
PRINCIPALE1	7.3	Q500	596.51	290.99	4.62	8.00	8.35	8.61	7.34	9.10	3.53	3.99	3.12	93.29	26.41	0.53
PRINCIPALE1	7.3	Q200	596.51	267.42	4.62	8.00	8.35	8.28	7.21	8.79	3.21	3.66	3.16	84.74	26.38	0.56
PRINCIPALE1	7.3	Q50	596.51	194.69	4.62	8.00	8.35	7.45	6.77	7.94	2.45	2.83	3.09	62.96	25.73	0.63
PRINCIPALE1	7.2	Q500	566.51	290.94	4.33	8.15	8.35	8.61	7.05	9.03	3.83	4.28	2.88	101.02	26.41	0.47
PRINCIPALE1	7.2	Q200	566.51	264.98	4.33	8.15	8.35	8.29	6.91	8.71	3.51	3.96	2.86	92.66	26.41	0.49
PRINCIPALE1	7.2	Q50	566.51	194.69	4.33	8.15	8.35	7.45	6.48	7.84	2.71	3.12	2.76	70.51	26.02	0.54
PRINCIPALE1	7.15		Bridge													
PRINCIPALE1	7.1	Q500	556.51	290.94	4.25	8.15	8.35	7.62	6.97	8.35	2.93	3.37	3.78	76.96	26.26	0.70
PRINCIPALE1	7.1	Q200	556.51	264.98	4.25	8.15	8.35	7.40	6.83	8.11	2.74	3.15	3.72	71.26	26.04	0.72
PRINCIPALE1	7.1	Q50	556.51	194.69	4.25	8.15	8.35	6.77	6.40	7.41	2.17	2.52	3.54	55.05	25.41	0.77
PRINCIPALE1	7.092		Lat Struct													
PRINCIPALE1	7.091		Lat Struct													
PRINCIPALE1	7	Q500	556.50	290.94	3.95	8.00	8.35	7.78	6.54	8.28	3.53	3.83	3.12	93.29	26.40	0.53
PRINCIPALE1	7	Q200	556.50	264.98	3.95	8.00	8.35	7.57	6.40	8.04	3.32	3.62	3.02	87.65	26.37	0.53
PRINCIPALE1	7	Q50	556.50	194.69	3.95	8.00	8.35	6.95	5.98	7.33	2.73	3.00	2.73	71.44	26.19	0.53
PRINCIPALE1	6	Q500	483.50	290.94	3.69	7.33	7.09	6.63	6.63	7.96	2.63	2.94	5.11	56.89	21.60	1.01
PRINCIPALE1	6	Q200	483.50	264.98	3.69	7.33	7.09	6.47	6.47	7.72	2.48	2.78	4.96	53.40	21.55	1.01
PRINCIPALE1	6	Q50	483.50	194.69	3.69	7.33	7.09	6.00	6.00	7.03	2.03	2.31	4.49	43.37	21.40	1.01
PRINCIPALE1	5	Q500	433.50	290.94	3.31	6.91	6.65	6.20	6.20	7.51	2.58	2.89	5.07	57.44	22.27	1.01
PRINCIPALE1	5	Q200	433.50	264.98	3.31	6.91	6.65	6.04	6.04	7.27	2.43	2.73	4.91	53.91	22.20	1.01
PRINCIPALE1	5	Q50	433.50	194.69	3.31	6.91	6.65	5.59	5.59	6.59	1.99	2.28	4.45	43.77	22.02	1.01
PRINCIPALE1	4.1	Q500	334.50	290.94	2.55	6.10	6.10	5.97	5.27	6.70	3.09	3.42	3.79	76.82	24.85	0.69

HEC-RAS Plan: 0.028-0.033-all (Continued)

Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
PRINCIPALE1	4.1	Q200	334.50	264.98	2.55	6.10	6.10	5.35	5.12	6.30	2.50	2.80	4.31	61.55	24.61	0.87
PRINCIPALE1	4.1	Q50	334.50	194.69	2.55	6.10	6.10	4.80	4.69	5.64	1.97	2.25	4.05	48.02	24.39	0.92
PRINCIPALE1	4.05		Bridge													
PRINCIPALE1	4	Q500	324.50	290.94	2.47	6.10	6.10	5.96	5.19	6.66	3.16	3.49	3.71	78.46	24.85	0.67
PRINCIPALE1	4	Q200	324.50	264.98	2.47	6.10	6.10	5.33	5.04	6.24	2.56	2.86	4.21	62.95	24.61	0.84
PRINCIPALE1	4	Q50	324.50	194.69	2.47	6.10	6.10	4.65	4.61	5.55	1.90	2.18	4.21	46.19	24.34	0.98
PRINCIPALE1	3.9992		Lat Struct													
PRINCIPALE1	3.9991		Lat Struct													
PRINCIPALE1	3.1	Q500	217.50	290.84	1.65	5.32	4.97	6.07	4.02	6.38	4.29	4.42	2.46	118.03	27.51	0.38
PRINCIPALE1	3.1	Q200	217.50	250.51	1.65	5.32	4.97	5.54	3.81	5.84	3.76	3.89	2.42	103.48	27.51	0.40
PRINCIPALE1	3.1	Q50	217.50	194.69	1.65	5.32	4.97	4.83	3.49	5.10	3.06	3.18	2.32	84.05	27.51	0.42
PRINCIPALE1	3.05		Bridge													
PRINCIPALE1	3	Q500	207.50	290.84	1.57	5.24	4.89	5.10	3.94	5.59	3.40	3.53	3.11	93.50	27.51	0.54
PRINCIPALE1	3	Q200	207.50	250.51	1.57	5.24	4.89	4.79	3.73	5.23	3.09	3.22	2.95	85.06	27.51	0.53
PRINCIPALE1	3	Q50	207.50	194.69	1.57	5.24	4.89	4.33	3.41	4.70	2.63	2.76	2.69	72.39	27.51	0.53
PRINCIPALE1	2.992		Lat Struct													
PRINCIPALE1	2.991		Lat Struct													
PRINCIPALE1	2	Q500	169.50	290.82	1.28	5.76	5.09	5.05	3.71	5.50	3.58	3.77	2.94	98.84	27.61	0.50
PRINCIPALE1	2	Q200	169.50	250.51	1.28	5.76	5.09	4.74	3.50	5.14	3.27	3.46	2.77	90.28	27.61	0.49
PRINCIPALE1	2	Q50	169.50	194.69	1.28	5.76	5.09	4.27	3.18	4.60	2.80	2.99	2.52	77.31	27.60	0.48
PRINCIPALE1	1.1	Q500	120.00	290.81	0.87	8.56	8.56	5.00	3.66	5.42	3.51	4.13	2.86	101.72	32.54	0.49
PRINCIPALE1	1.1	Q200	120.00	250.51	0.87	8.56	8.56	4.69	3.46	5.06	3.19	3.82	2.70	92.62	32.41	0.48
PRINCIPALE1	1.1	Q50	120.00	194.69	0.87	8.56	8.56	4.21	3.15	4.52	2.72	3.34	2.47	78.82	32.22	0.48
PRINCIPALE1	1.05		Bridge													
PRINCIPALE1	1	Q500	100.00	290.81	0.75	8.56	8.56	3.59	3.59	4.67	2.17	2.84	4.62	63.00	32.00	1.00
PRINCIPALE1	1	Q200	100.00	250.51	0.75	8.56	8.56	3.38	3.38	4.36	1.97	2.63	4.39	57.03	31.92	1.00
PRINCIPALE1	1	Q50	100.00	194.69	0.75	8.56	8.56	3.07	3.07	3.91	1.66	2.32	4.05	48.09	31.79	1.00
PRINCIPALE1	0.5	Q500		290.81	-1.00	10.00	10.00	1.00	-0.05	1.11	2.00	2.00	1.45	199.99	99.99	0.33
PRINCIPALE1	0.5	Q200		250.51	-1.00	10.00	10.00	1.00	-0.14	1.08	2.00	2.00	1.25	199.99	99.99	0.28
PRINCIPALE1	0.5	Q50		194.69	-1.00	10.00	10.00	1.00	-0.27	1.05	2.00	2.00	0.97	199.99	99.99	0.22

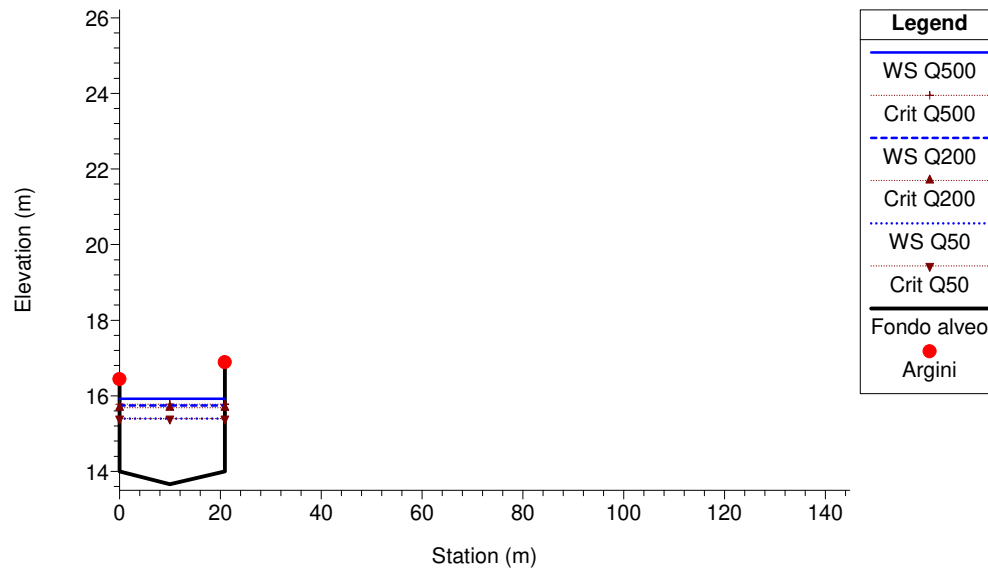
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE2 RS = 18 SEZ. NUM 18 (sez +sez 1 mulino) alfa FOSSO MULINI



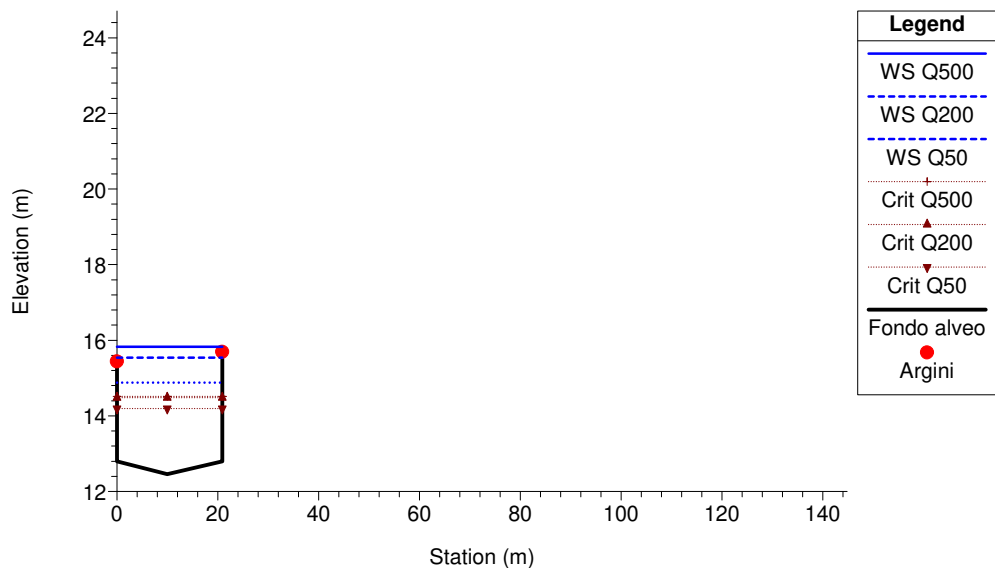
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE2 RS = 17.1 SEZ 17.1 FOSSO MULINI



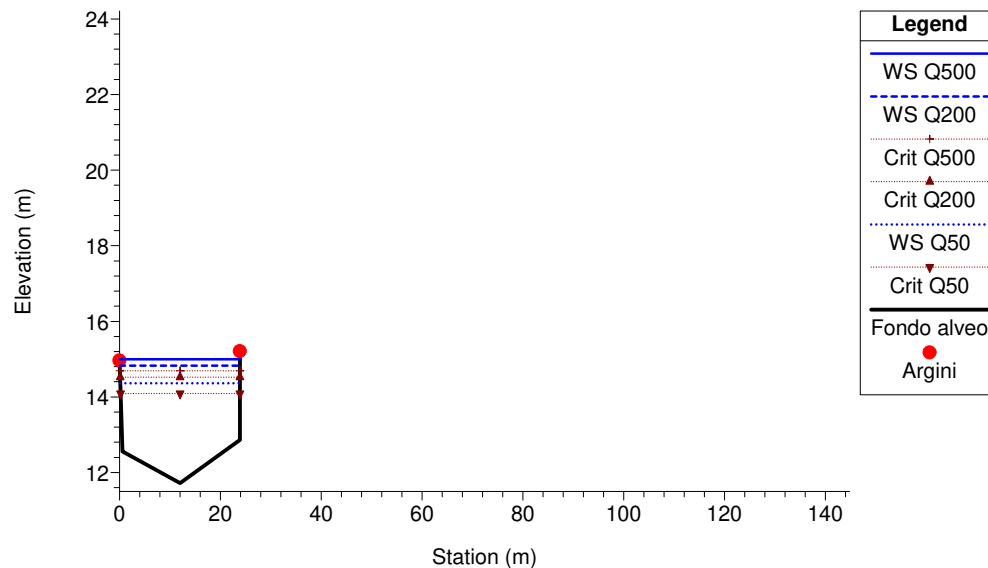
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE2 RS = 17 SEZ 17 FOSSO MULINI



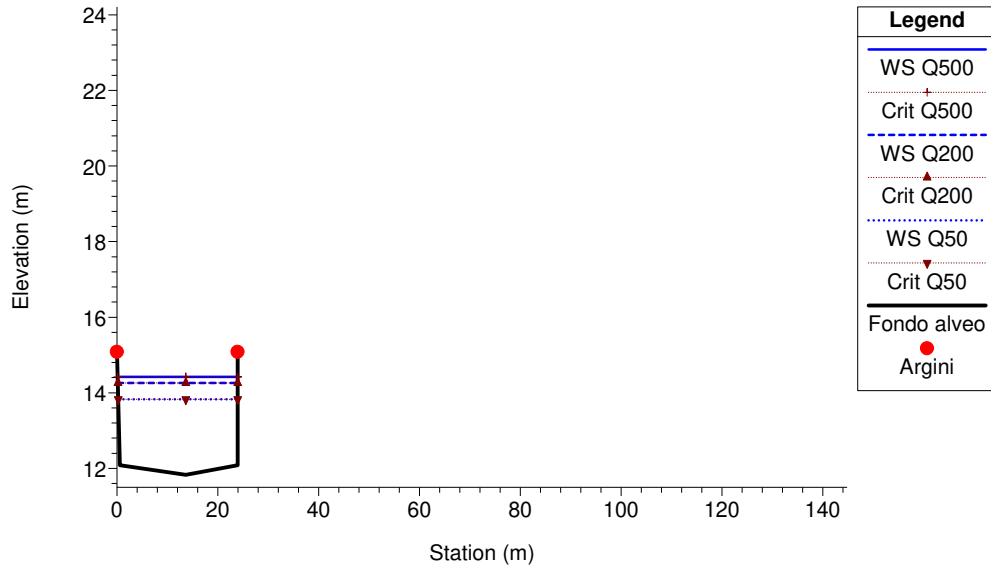
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 16 SEZ. NUM 16 immissione q= 300 FOSSO MULINI



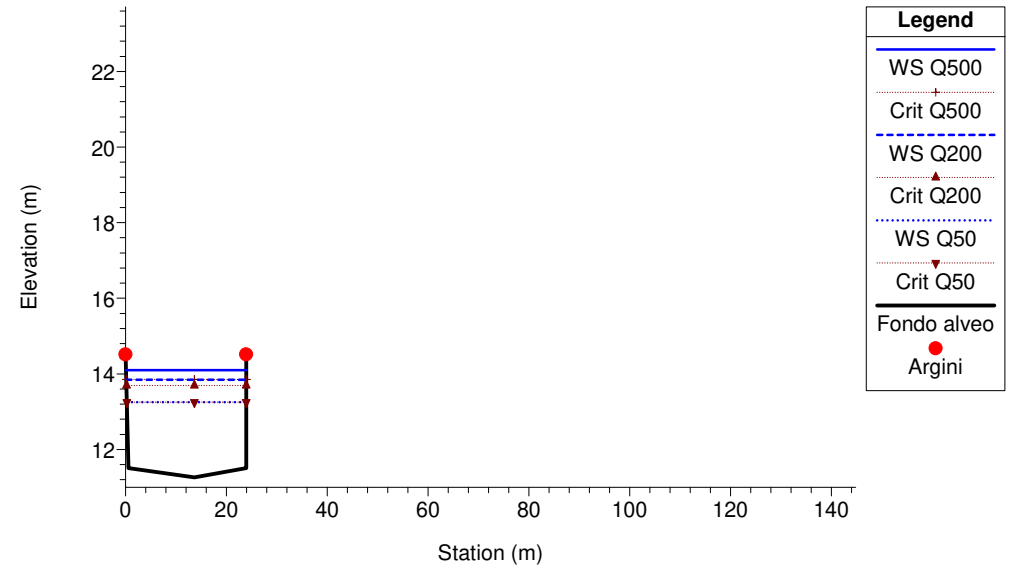
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 15.1 SEZ. NUM 15 (beta) FOSSO MULINI



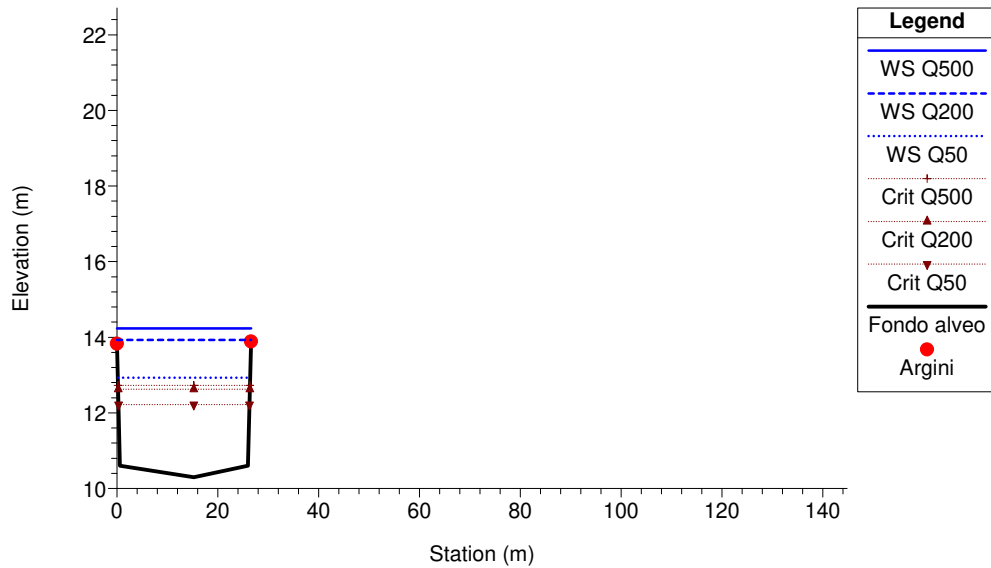
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 15 SEZ. NUM 15 FOSSO MULINI



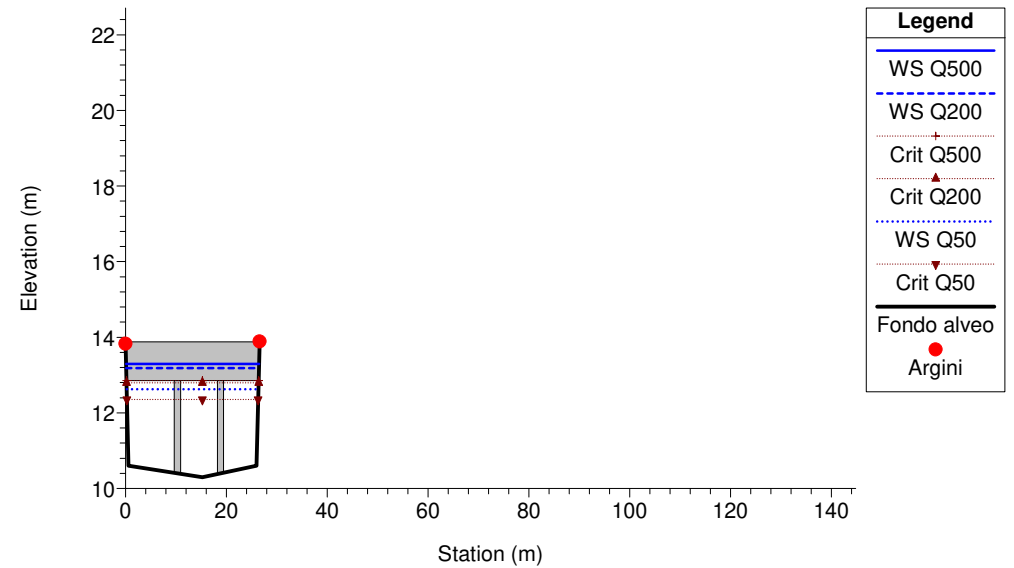
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 14.1 SEZ NUM 14.1 A MONTE DEL PONTE FOSSO MULINI



Torrente Ghiararo

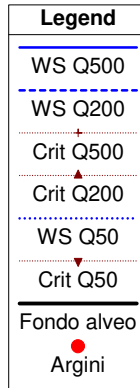
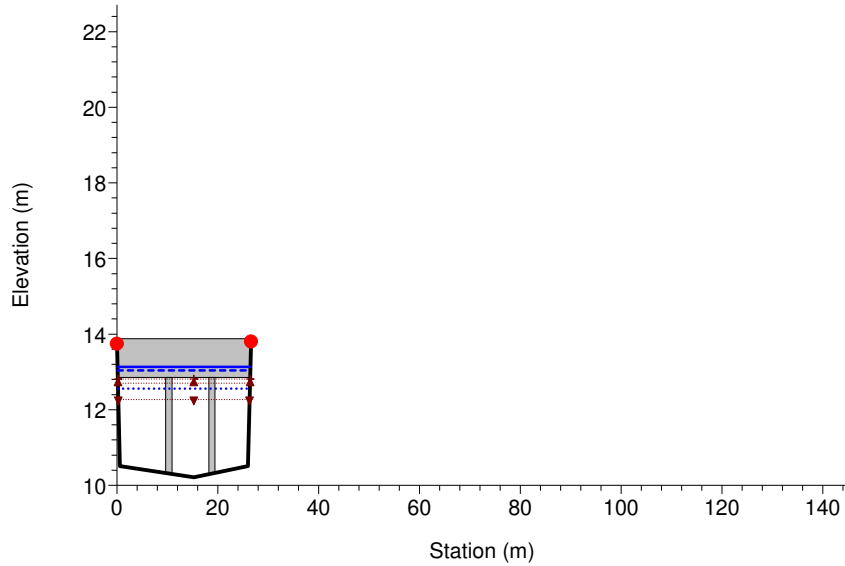
River = GHIARARO Reach = PRINCIPALE1 RS = 14.05 BR ponte 14.05 FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

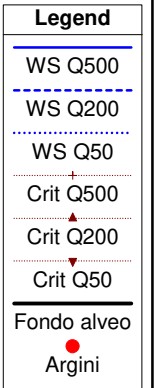
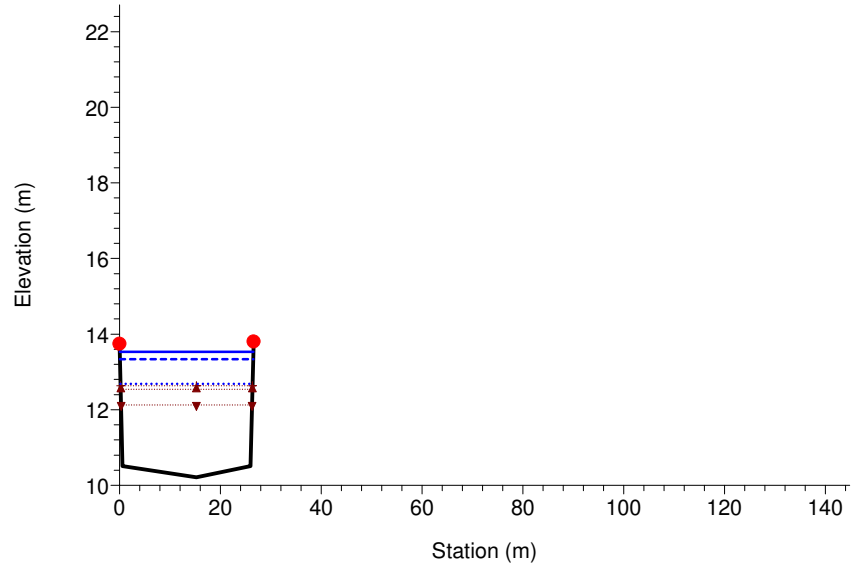
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 14.05 BR ponte 14.05 FOSSO MULINI



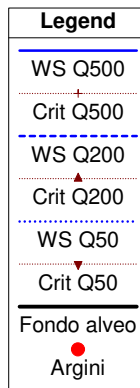
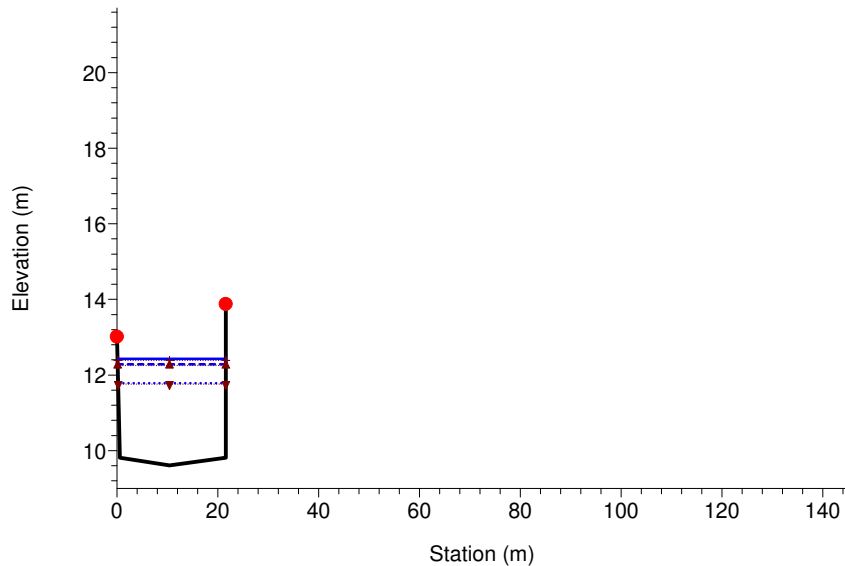
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 14 SEZ NUM 14 A VALLE DEL PONTE (beta) FOSSO MULINI



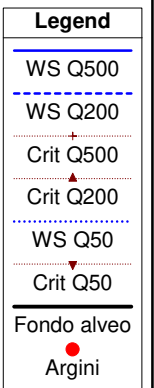
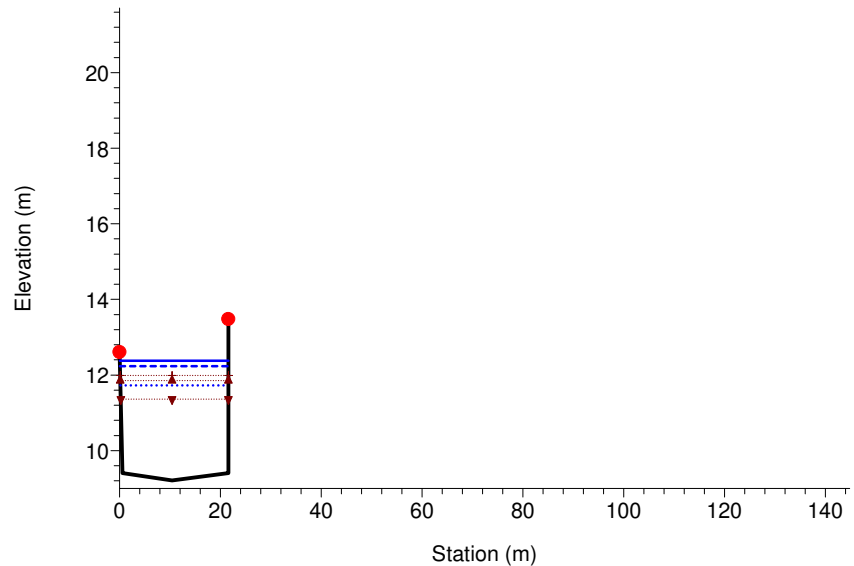
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 13.1 SEZ NUM 13.1 FOSSO MULINI



Torrente Ghiararo

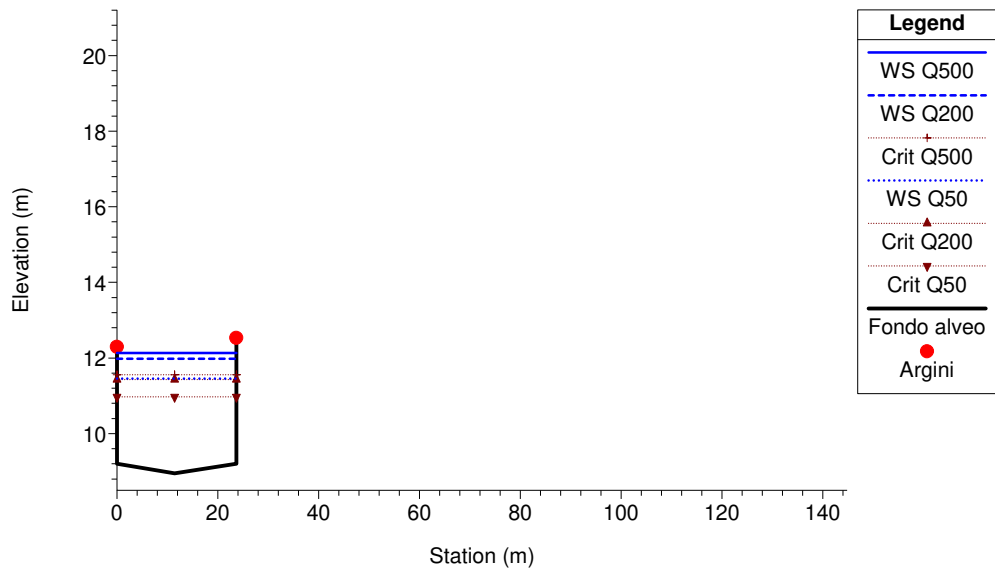
River = GHIARARO Reach = PRINCIPALE1 RS = 13 SEZ NUM 13 FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

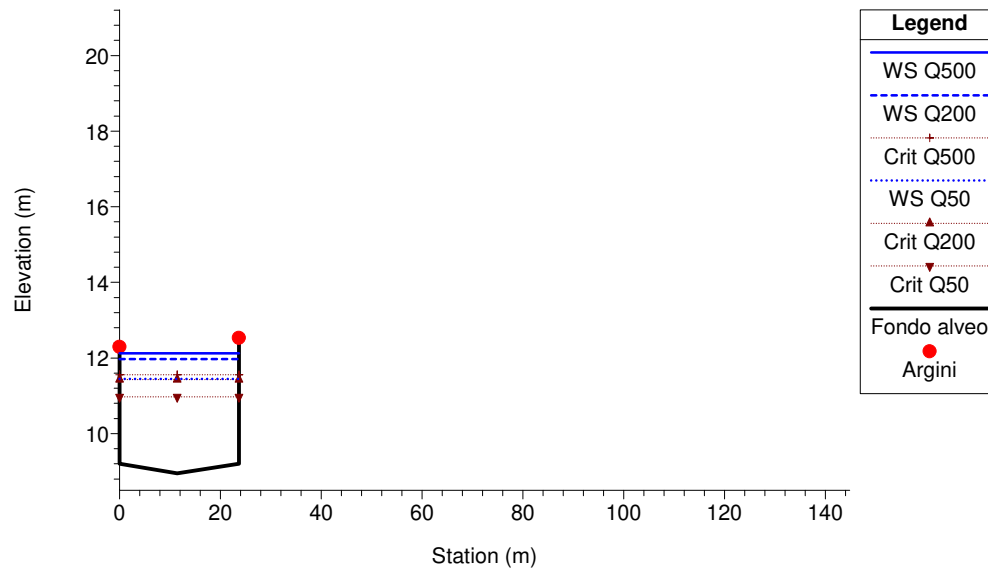
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.7 SEZ 12.7 monte passerella FOSSO MULINI



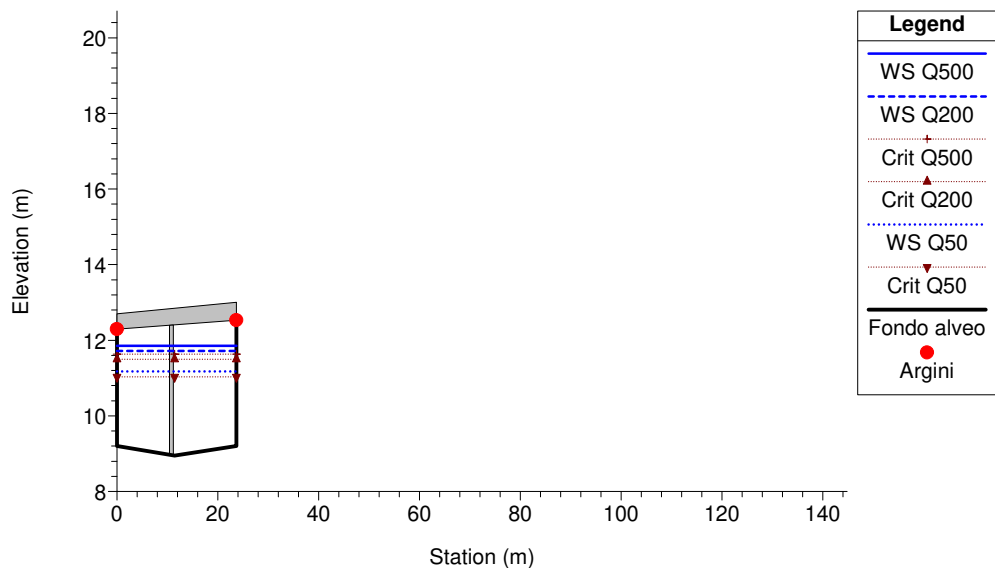
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.6 SEZ 12.6 PASSERELLA FOSSO MULINI



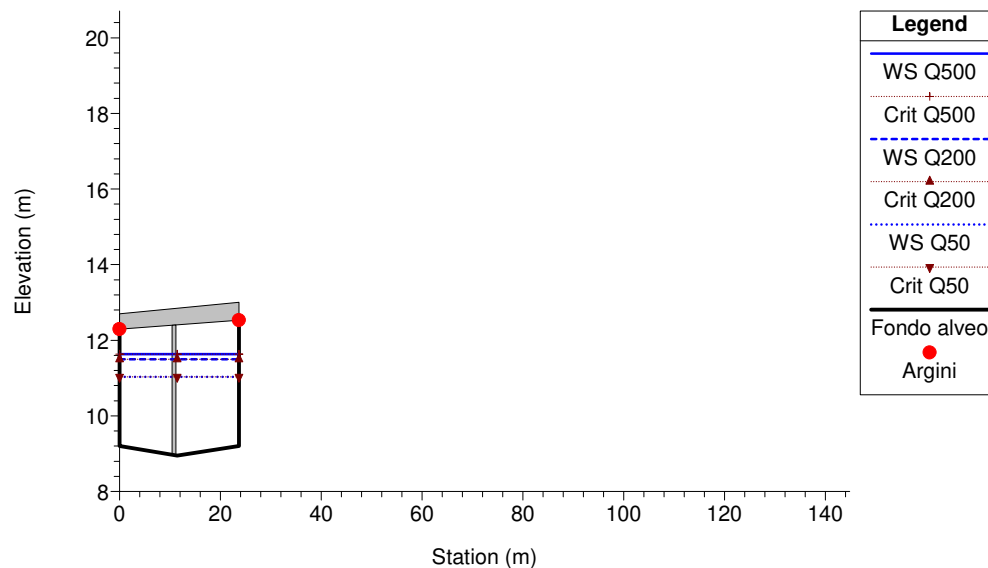
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.55 BR FOSSO MULINI



Torrente Ghiararo

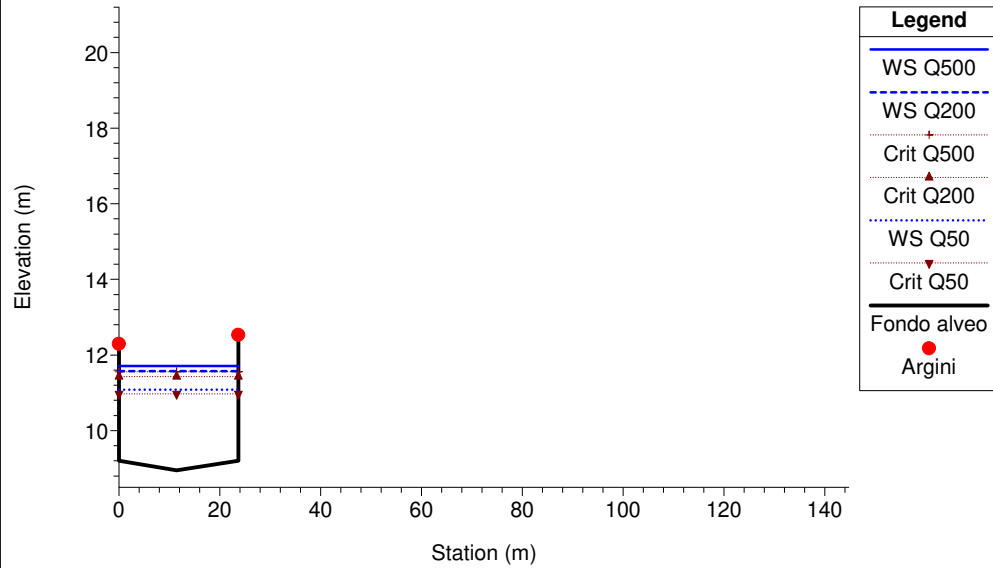
River = GHIARARO Reach = PRINCIPALE1 RS = 12.55 BR FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

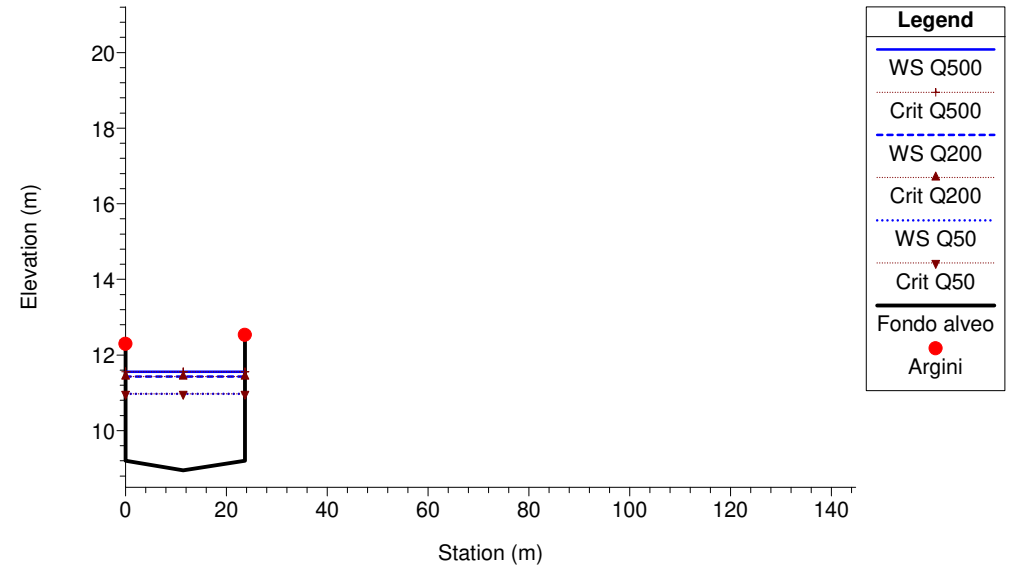
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.5 SEZ 12.5 PASSERELLA FOSSO MULINI



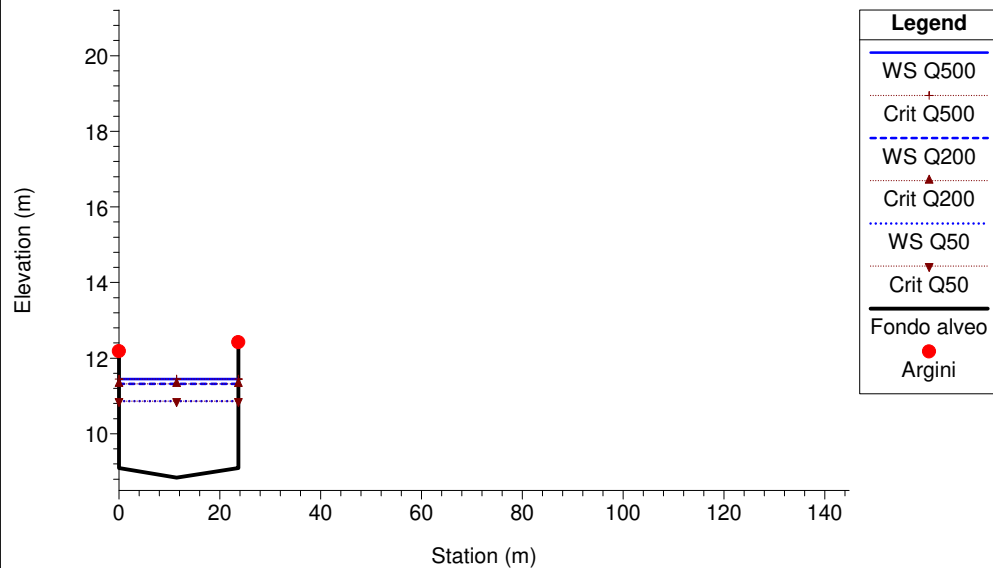
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.4 SEZ 12.4 A VALLE DELLA PASSERELLA SOPRA LA SOGLIA FOSSO MULINI



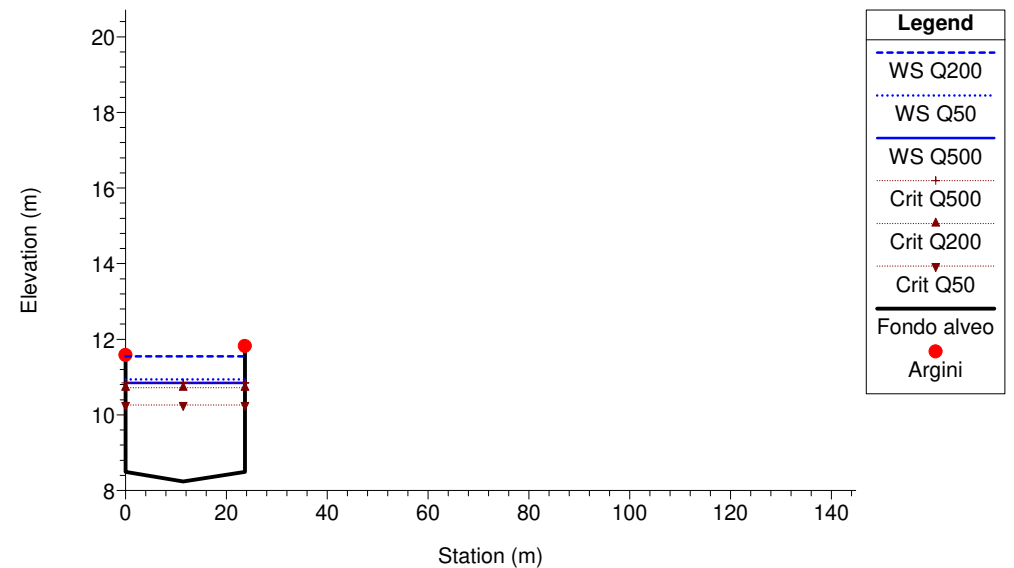
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.3 SEZ 12.3 A MONTE DEL PONTE SOPRA LA SOGLIA FOSSO MULINI



Torrente Ghiararo

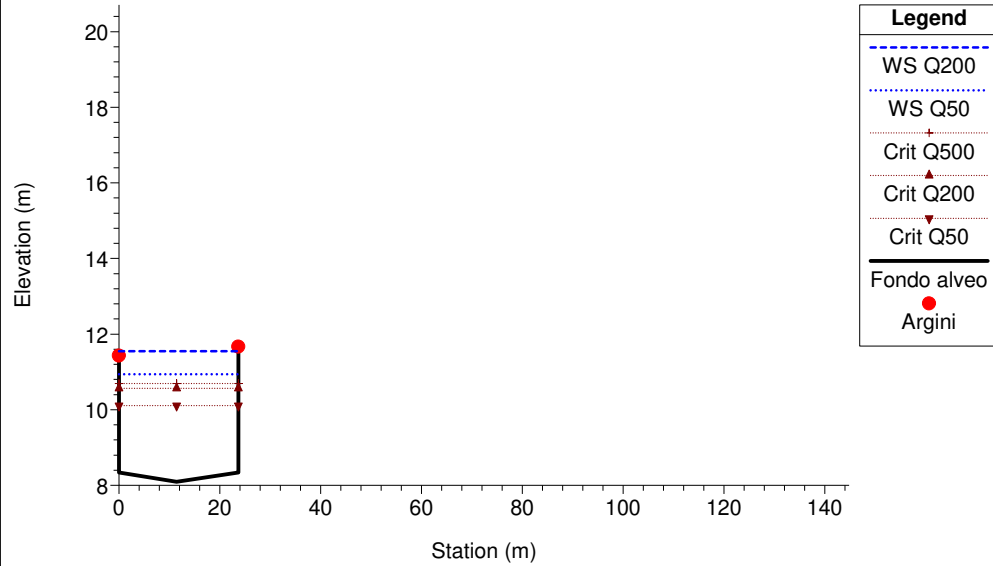
River = GHIARARO Reach = PRINCIPALE1 RS = 12.2 SEZ 12.2 A MONTE DEL PONTE SOTTO LA SOGLIA FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

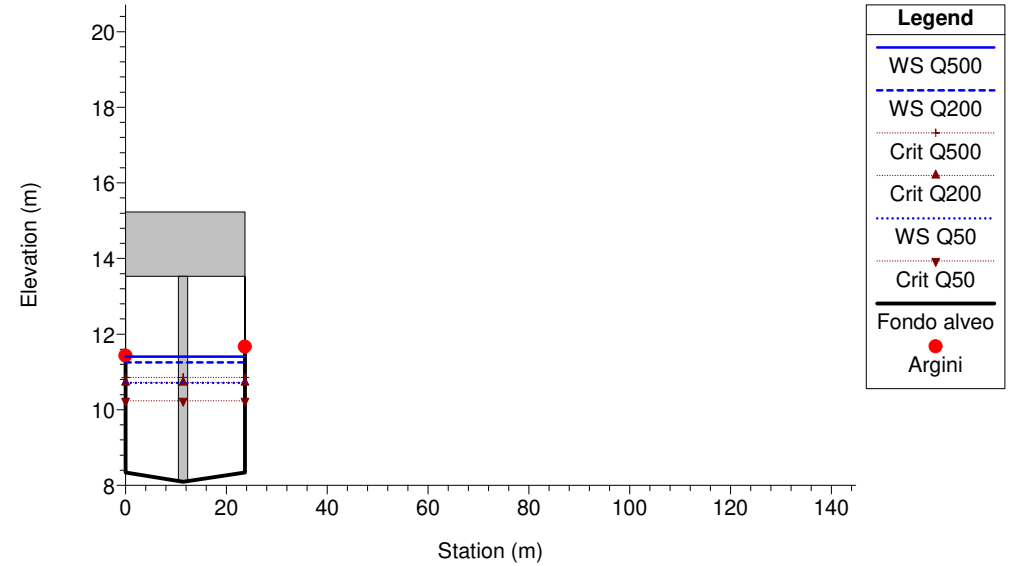
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.1 SEZ 12.1 A MONTE DEL PONTE FOSSO MULINI



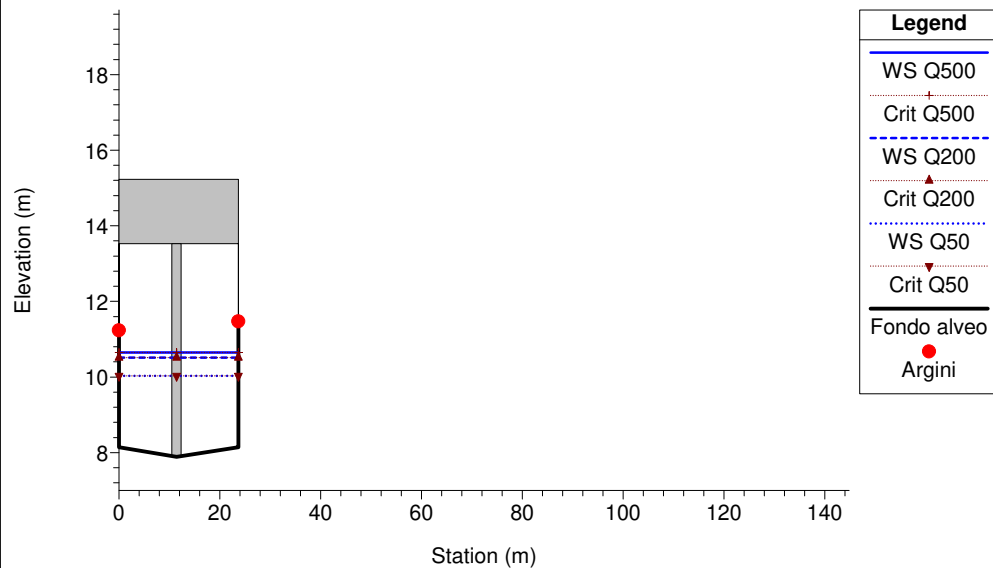
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.05 BR ponte 12.05 FOSSO MULINI



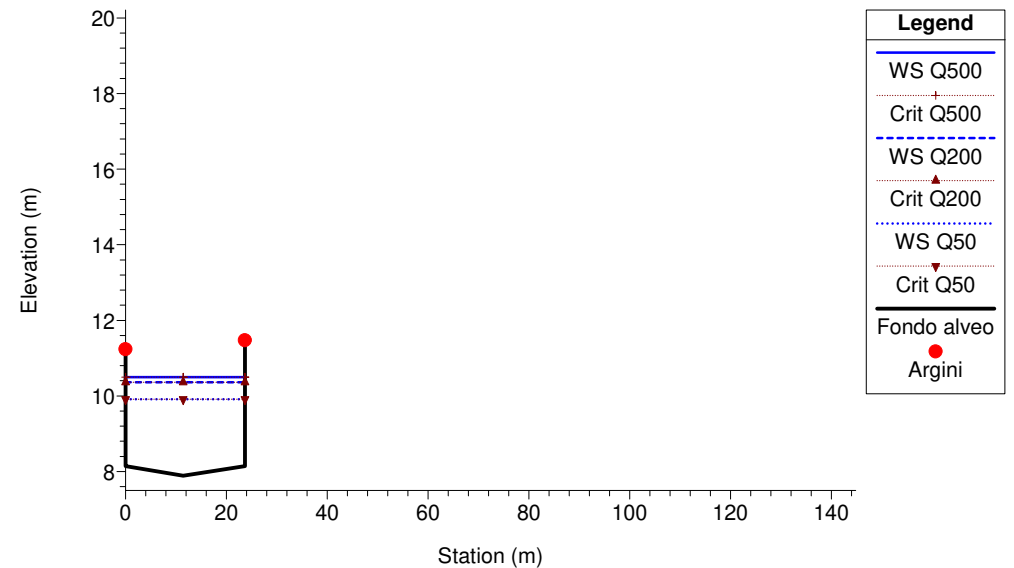
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 12.05 BR ponte 12.05 FOSSO MULINI



Torrente Ghiararo

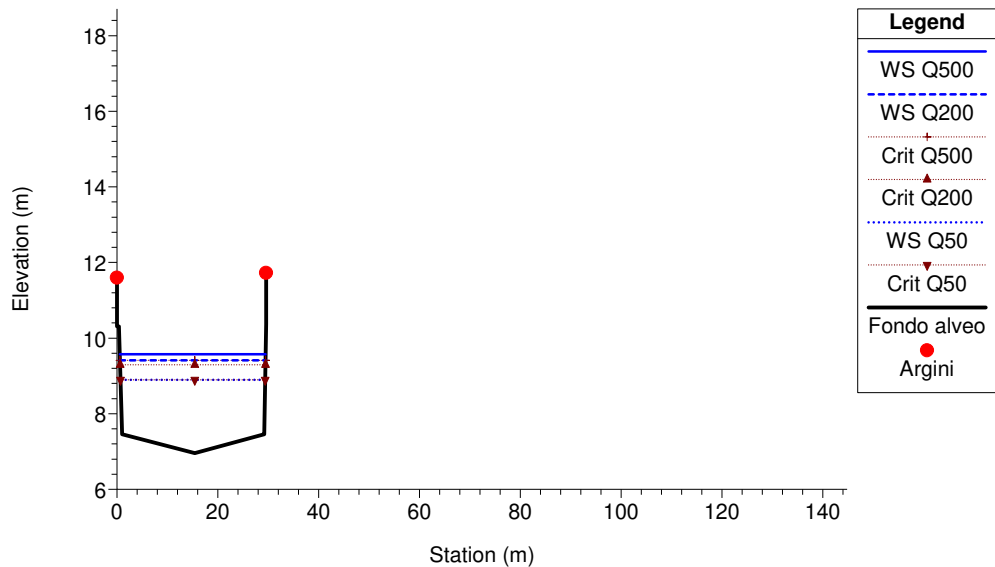
River = GHIARARO Reach = PRINCIPALE1 RS = 12 SEZ 12 A VALLE DEL PONTE FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

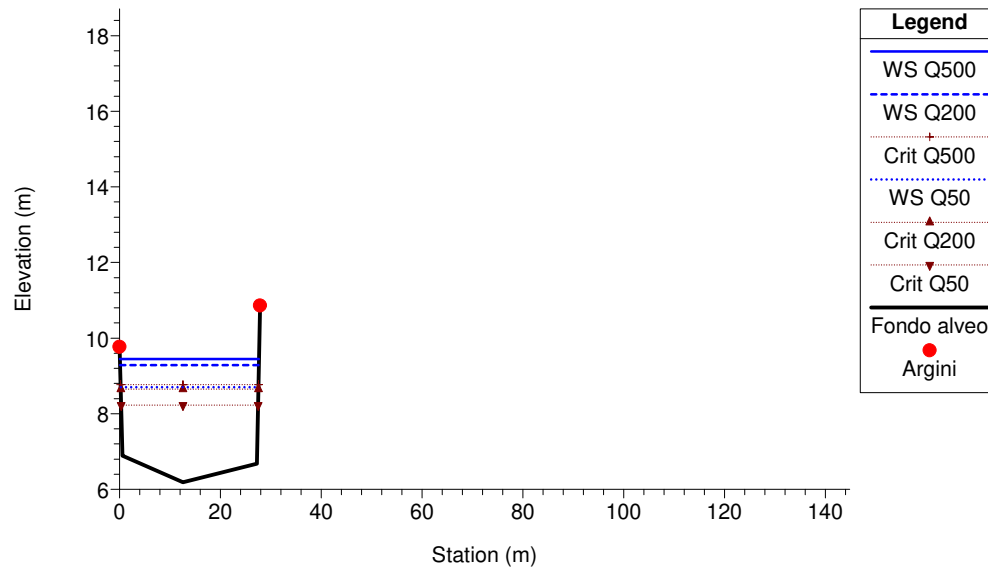
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 11 SEZ 11 FOSSO MULINI



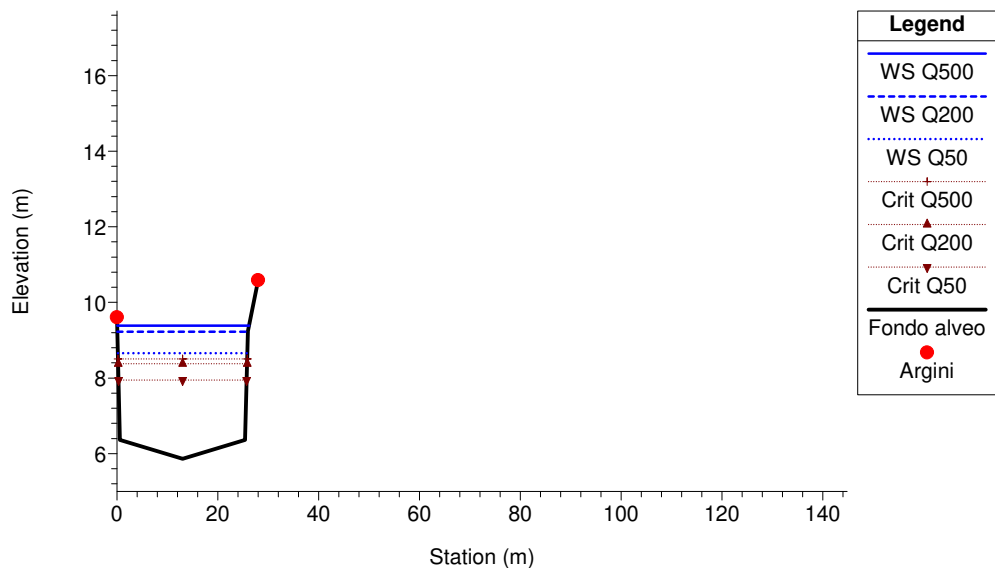
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 10 SEZ 10 immissione q= 300 FOSSO MULINI



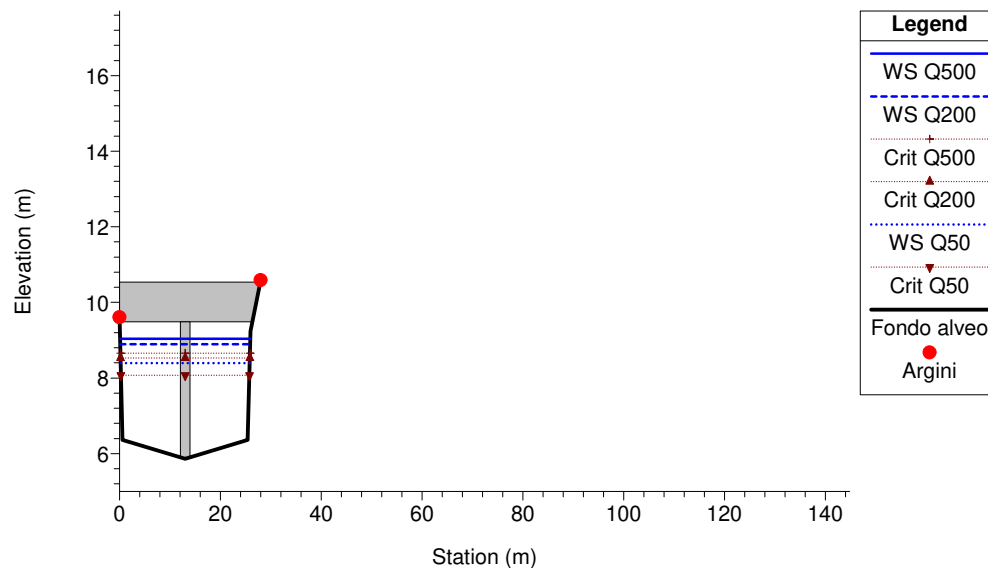
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 9.1 SEZ 9.1 A MONTE DEL PONTE FOSSO MULINI



Torrente Ghiararo

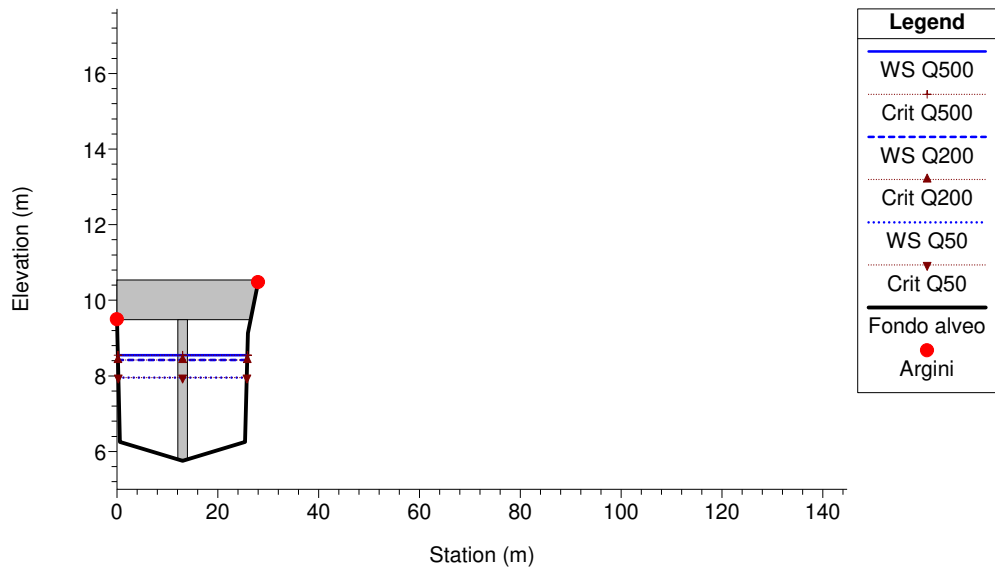
River = GHIARARO Reach = PRINCIPALE1 RS = 9.05 BR ponte 9.05 FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

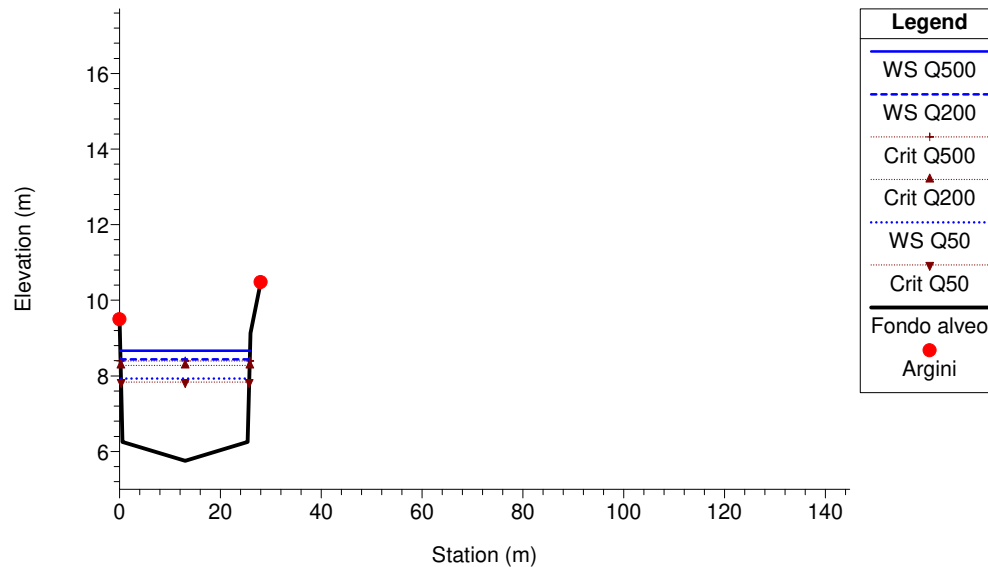
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 9.05 BR ponte 9.05 FOSSO MULINI



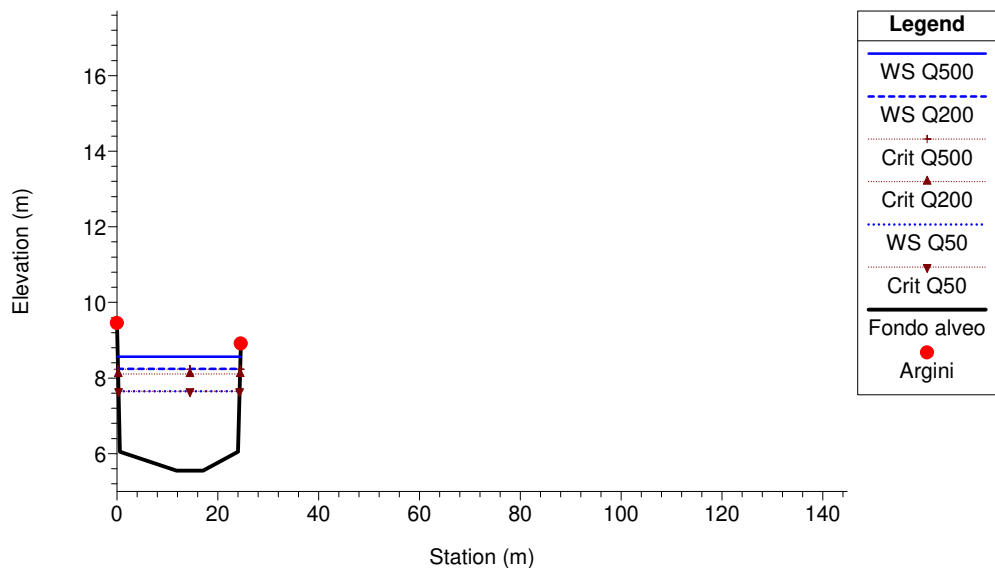
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 9 SEZ 9 A VALLE DEL PONTE FOSSO MULINI



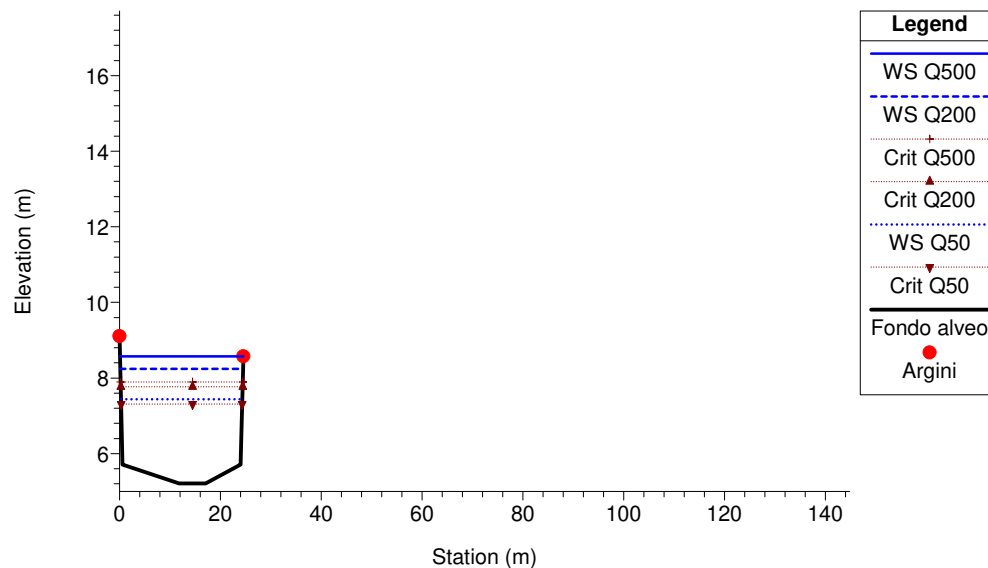
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 8.1 SEZ 8.1 FINE PLATEA FOSSO MULINI



Torrente Ghiararo

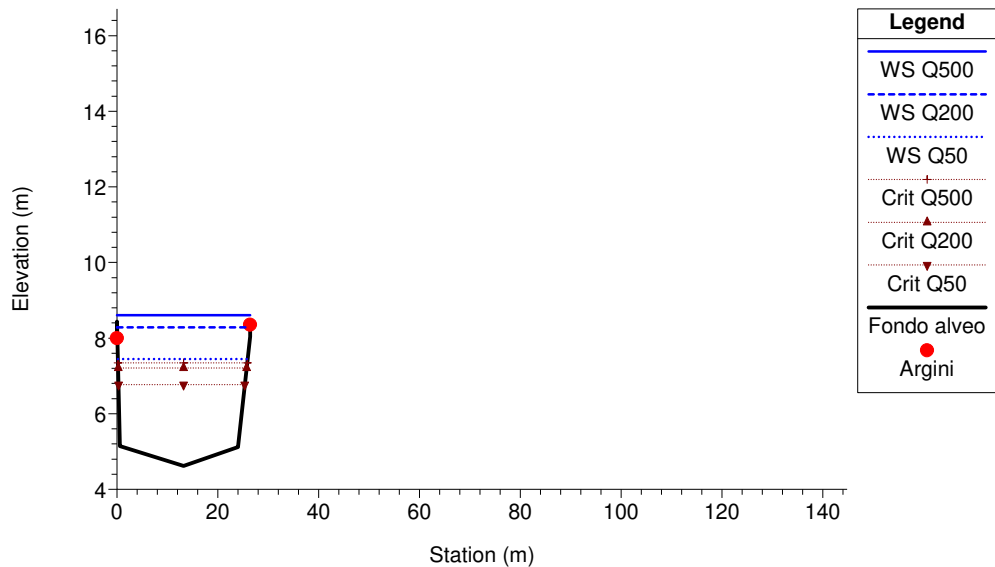
River = GHIARARO Reach = PRINCIPALE1 RS = 8 SEZ 8 FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

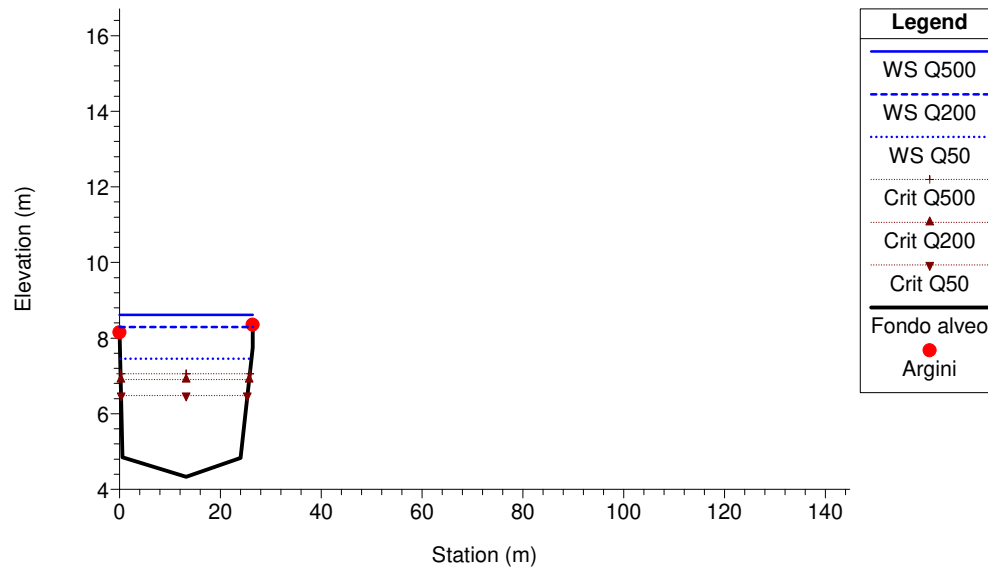
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7.3 SEZ 7.3 A MONTEDEL PONTE FOSSO MULINI



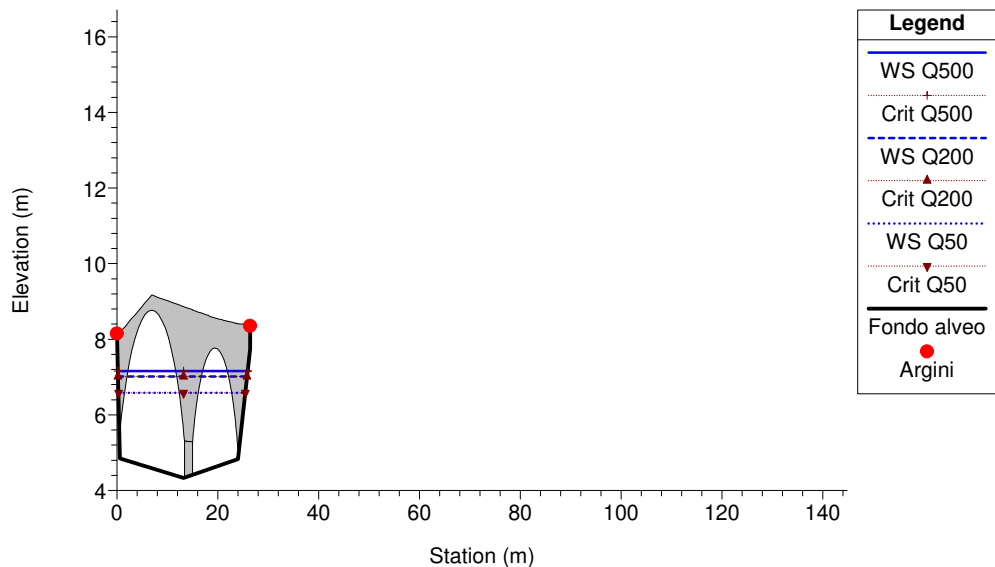
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7.2 SEZ 7.2 A MONTEDEL PONTE FOSSO MULINI



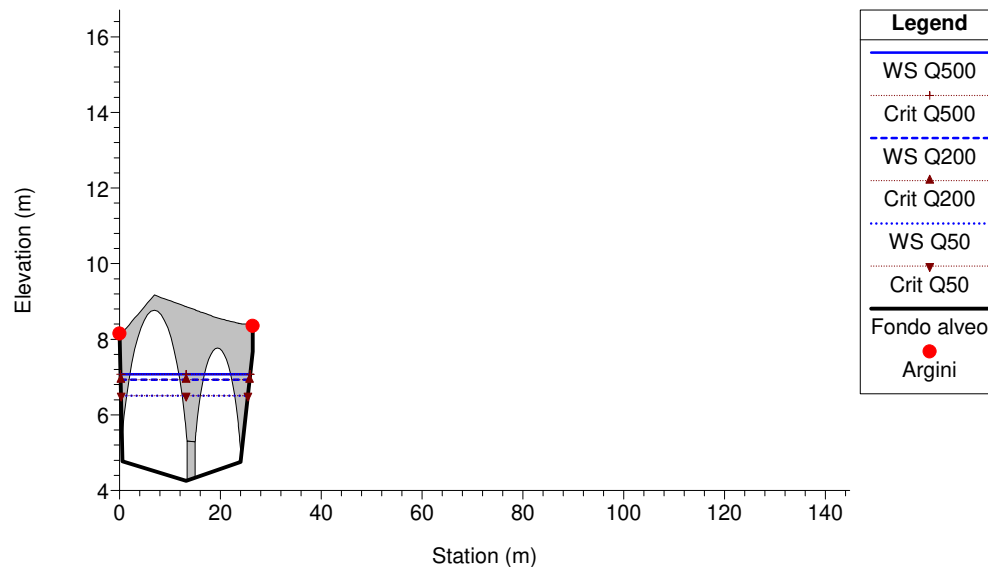
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7.15 BR ponte 7.05 FOSSO MULINI



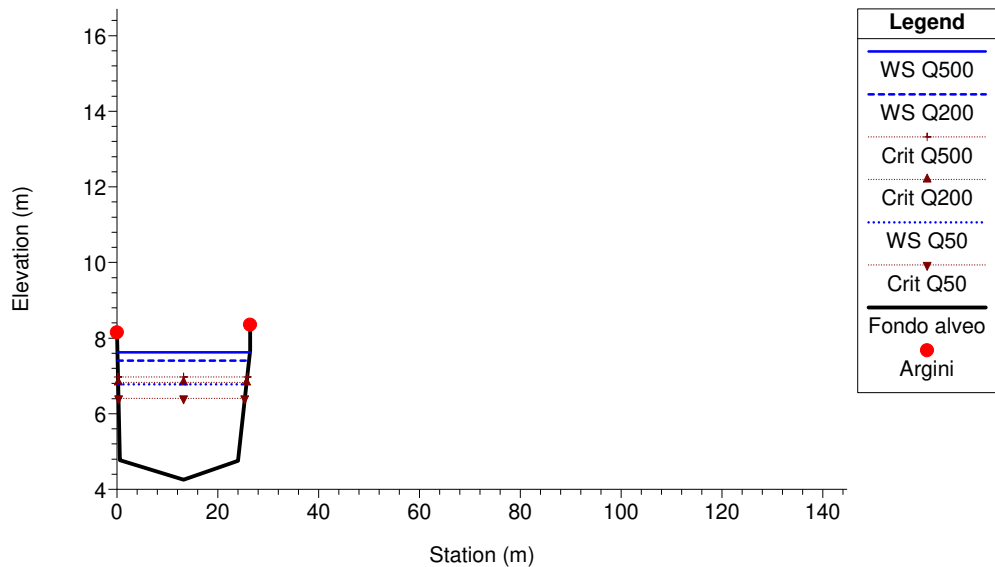
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7.15 BR ponte 7.05 FOSSO MULINI



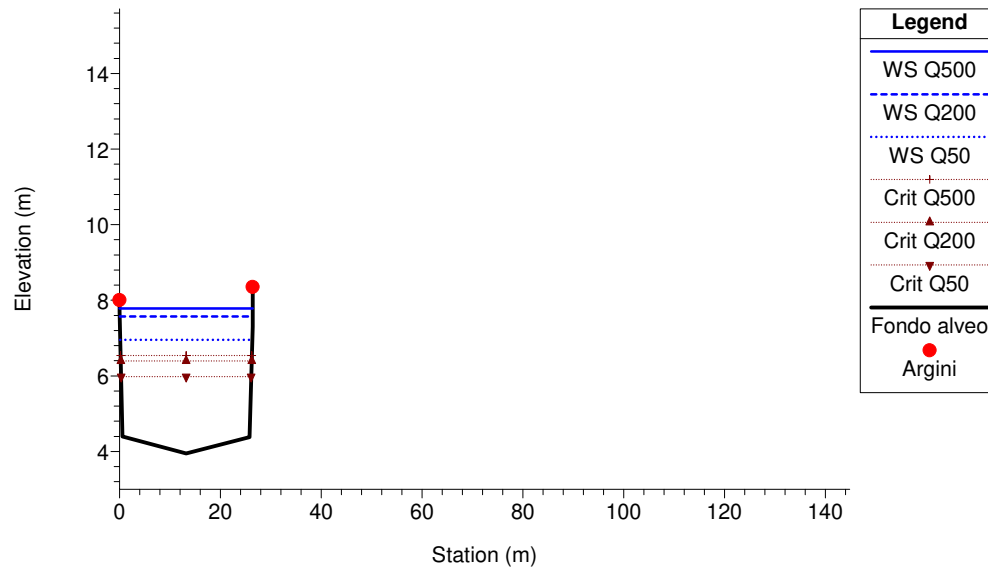
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7.1 SEZ 7 AVALLE DEL PONTE INIZIO PLATEA FOSSO MULINI



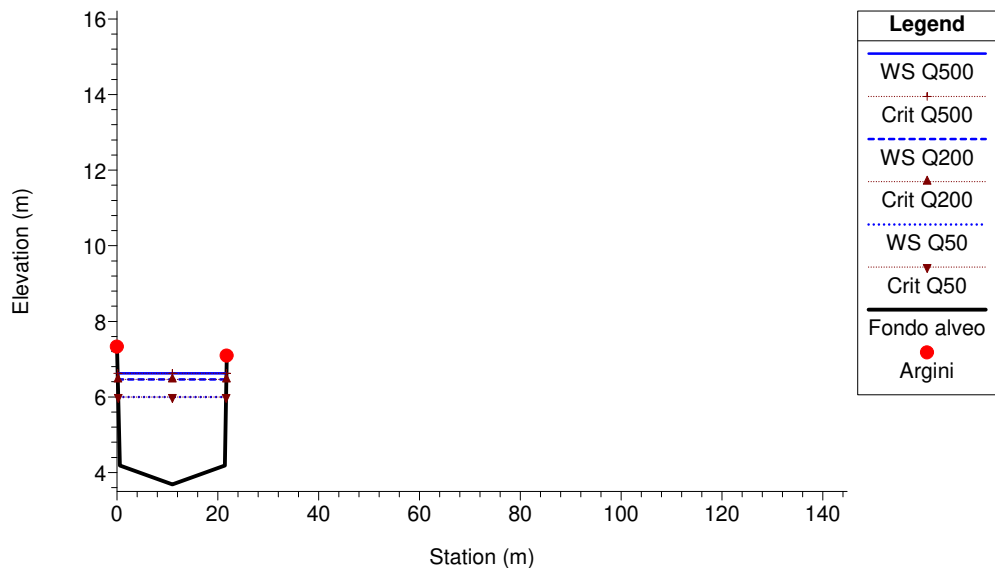
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 7 SEZ 7 A VALLE DEL PONTE SOTTO LA SOGLIA FOSSO MULINI



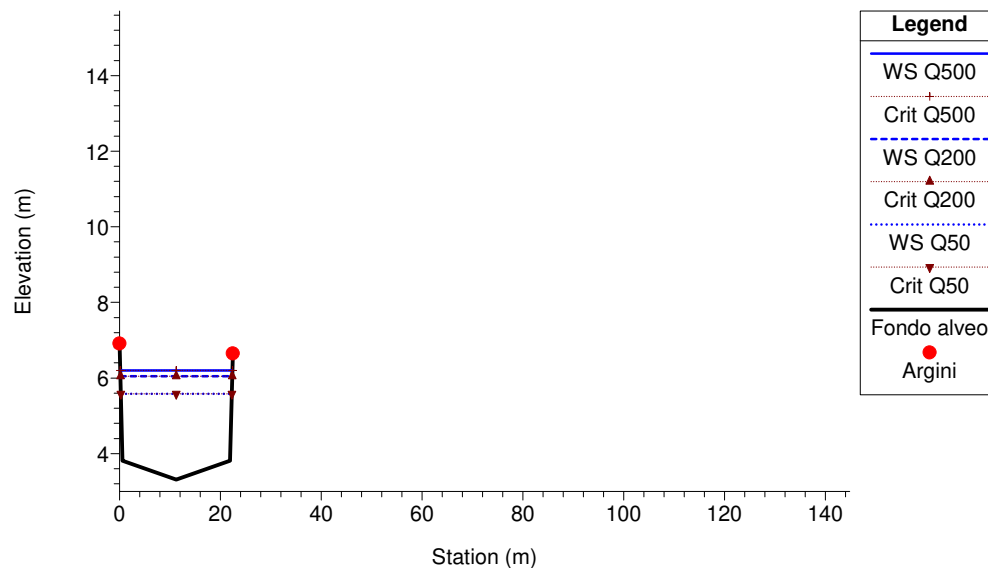
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 6 SEZ 6 FOSSO MULINI



Torrente Ghiararo

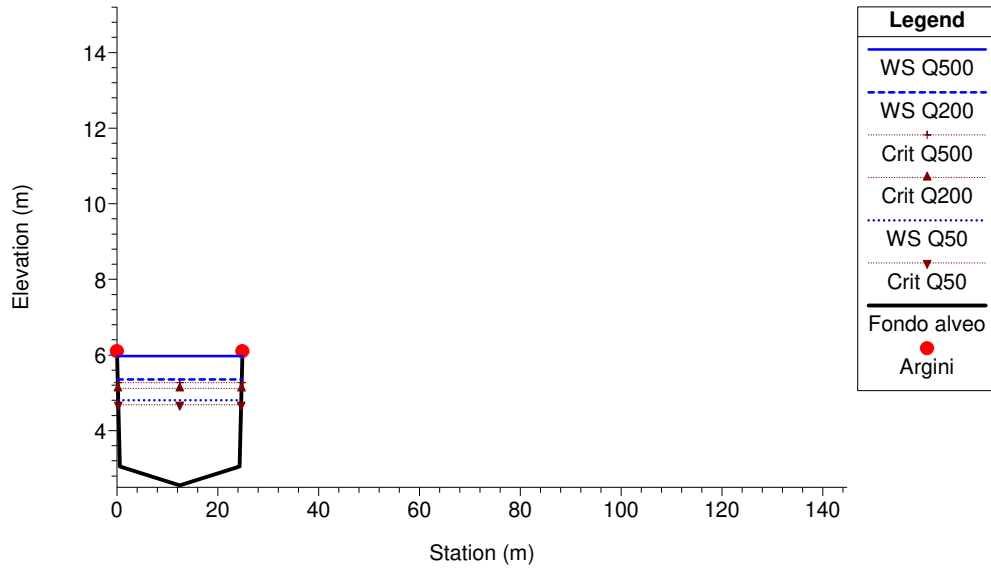
River = GHIARARO Reach = PRINCIPALE1 RS = 5 SEZ NUM 5 FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

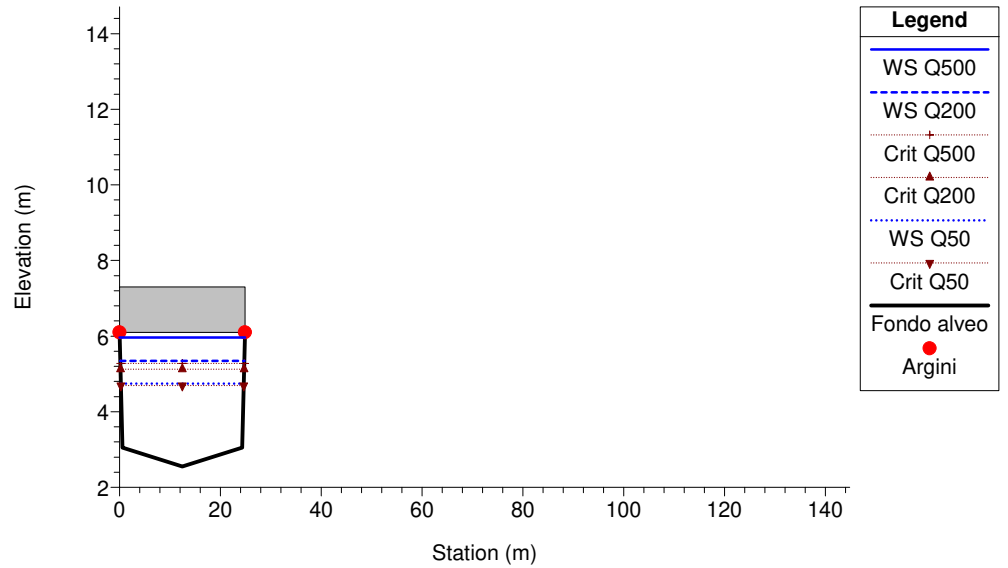
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 4.1 SEZ. NUM 4 AMONTE DEL LA PASSERELLA FOSSO MULINI



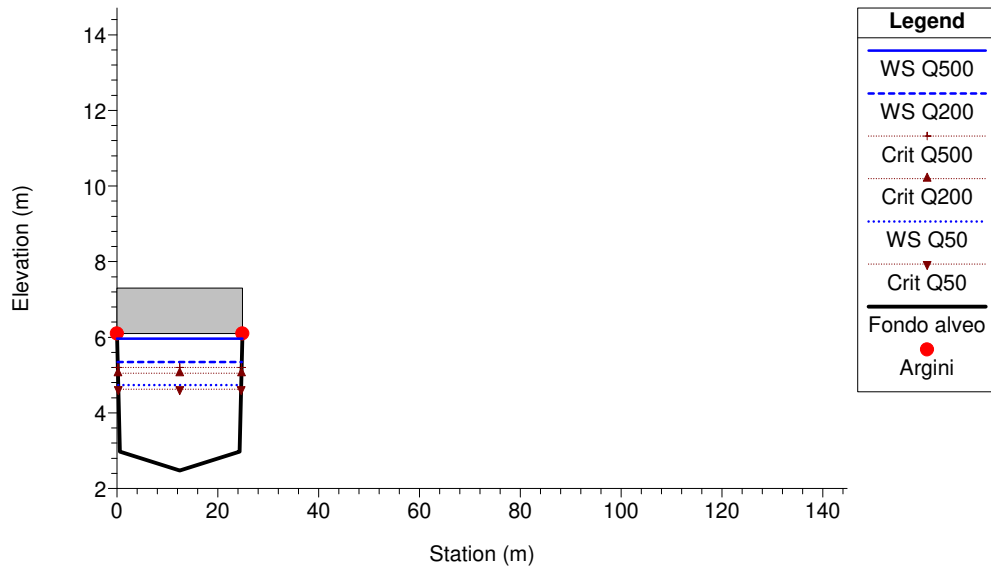
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 4.05 BR ponte sez 4 FOSSO MULINI



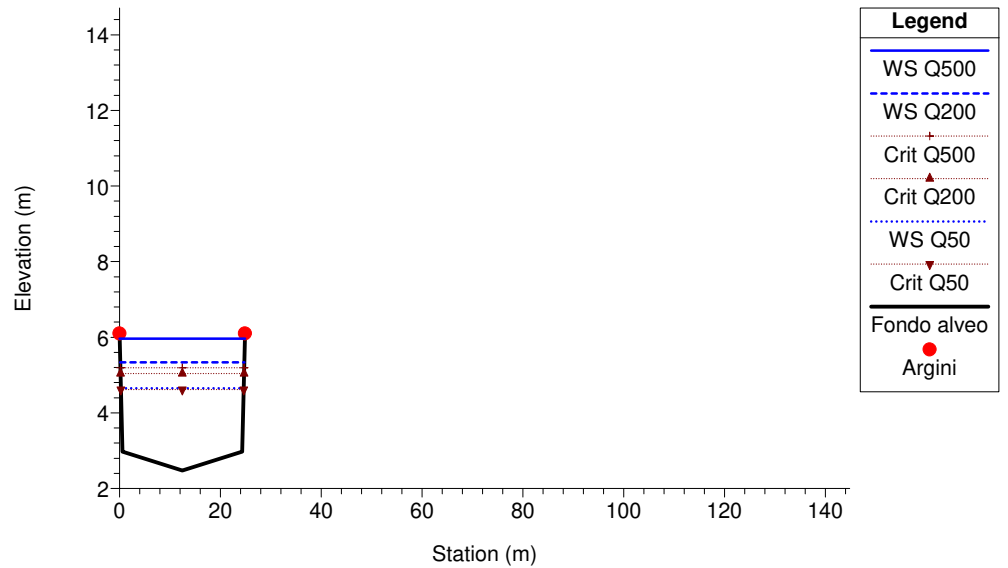
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 4.05 BR ponte sez 4 FOSSO MULINI



Torrente Ghiararo

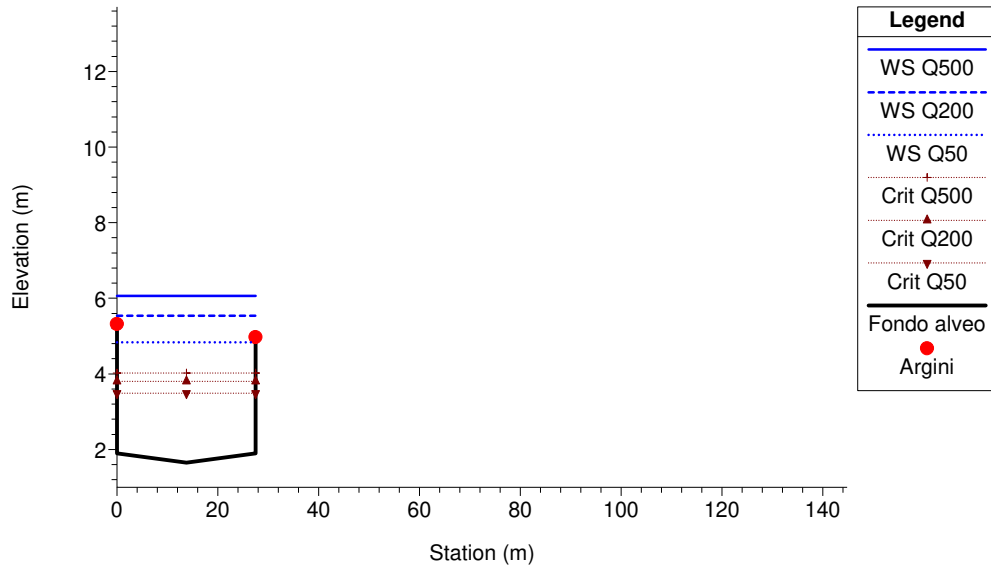
River = GHIARARO Reach = PRINCIPALE1 RS = 4 SEZ. NUM 4 AVALLE DEL LA PASSERELLA FINE PLATE FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

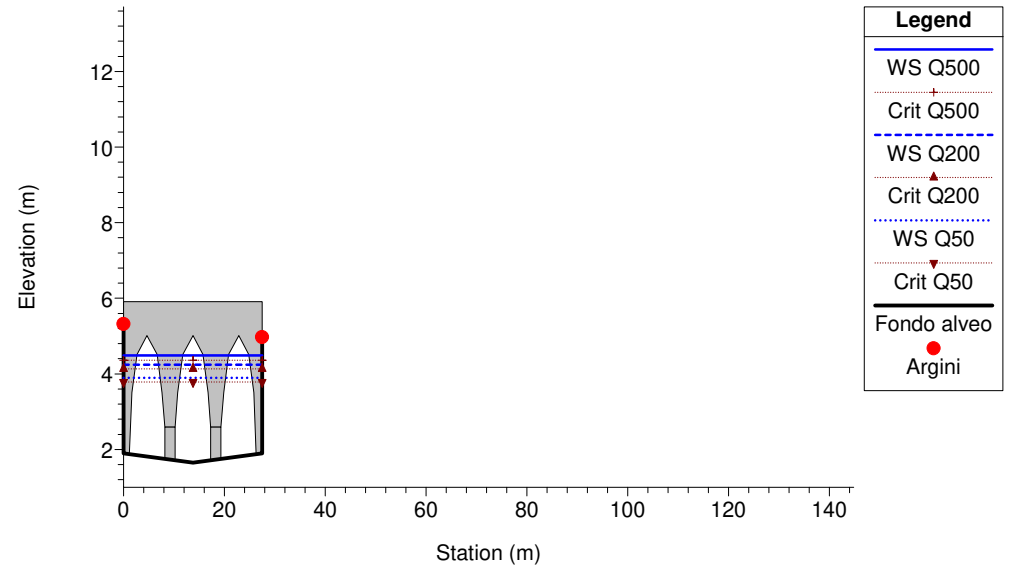
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 3.1 SEZ. NUM 3 A MONTE DEL PONTE FOSSO MULINI



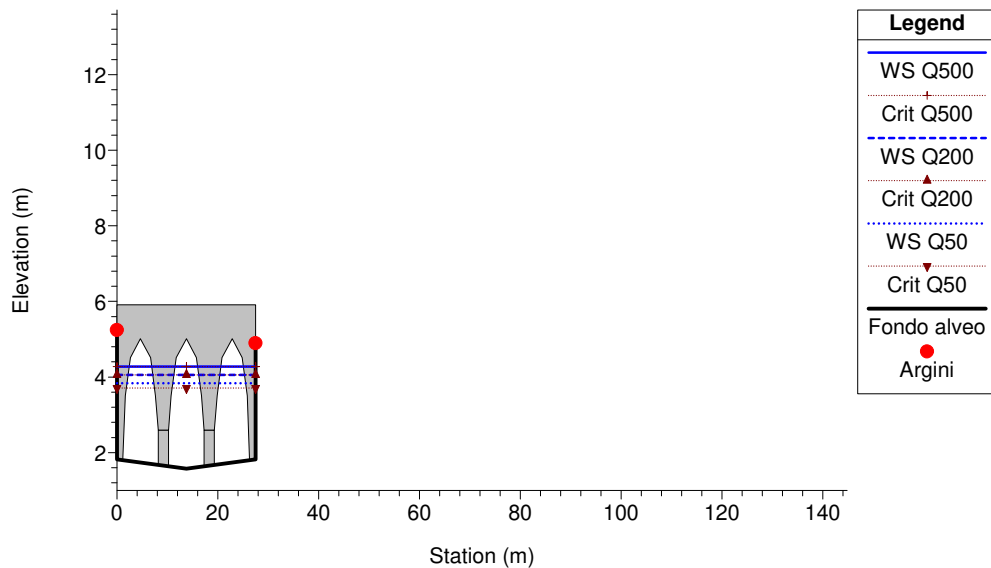
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 3.05 BR FOSSO MULINI



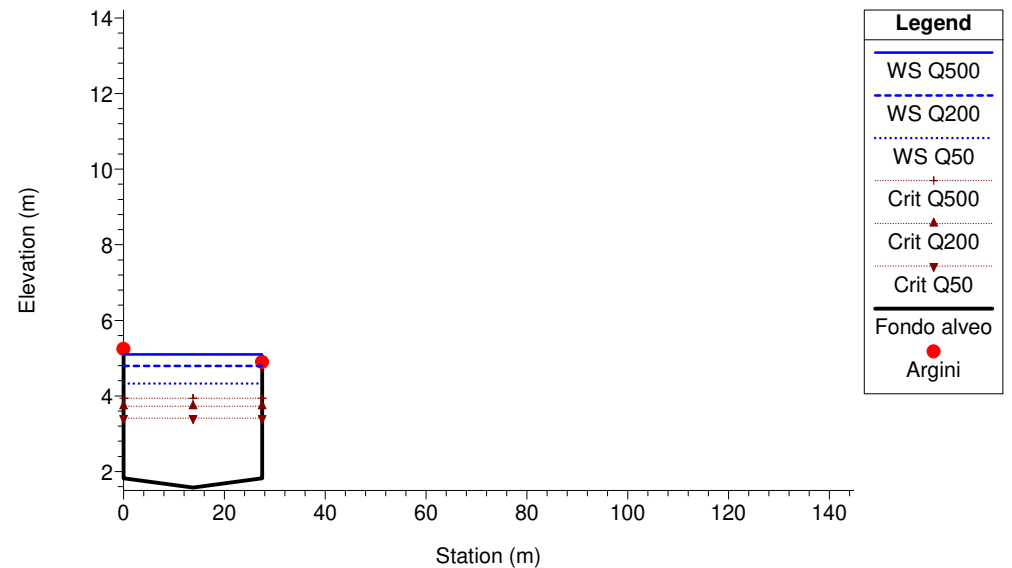
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 3.05 BR FOSSO MULINI



Torrente Ghiararo

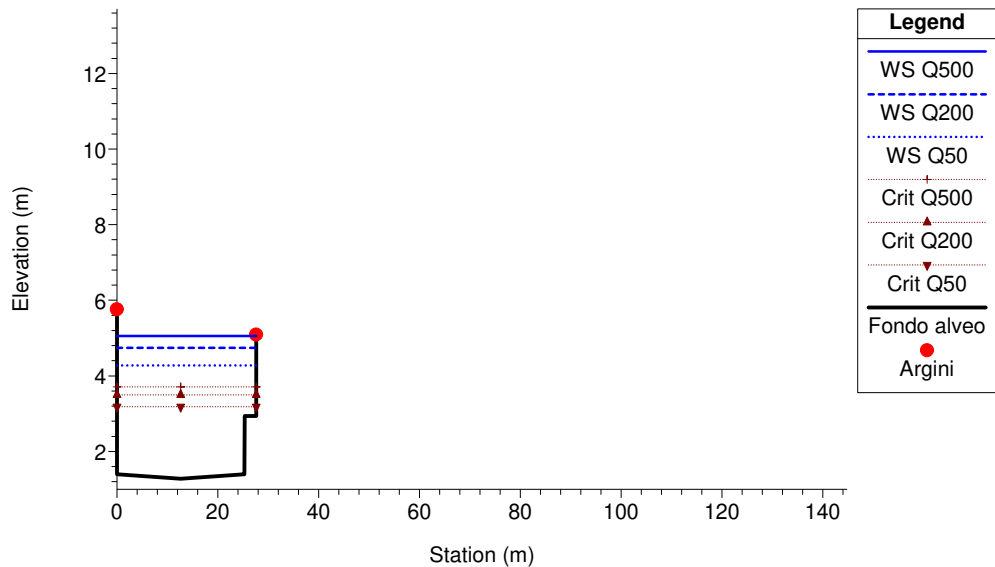
River = GHIARARO Reach = PRINCIPALE1 RS = 3 SEZ. NUM 3 A MONTE DEL PONTE FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

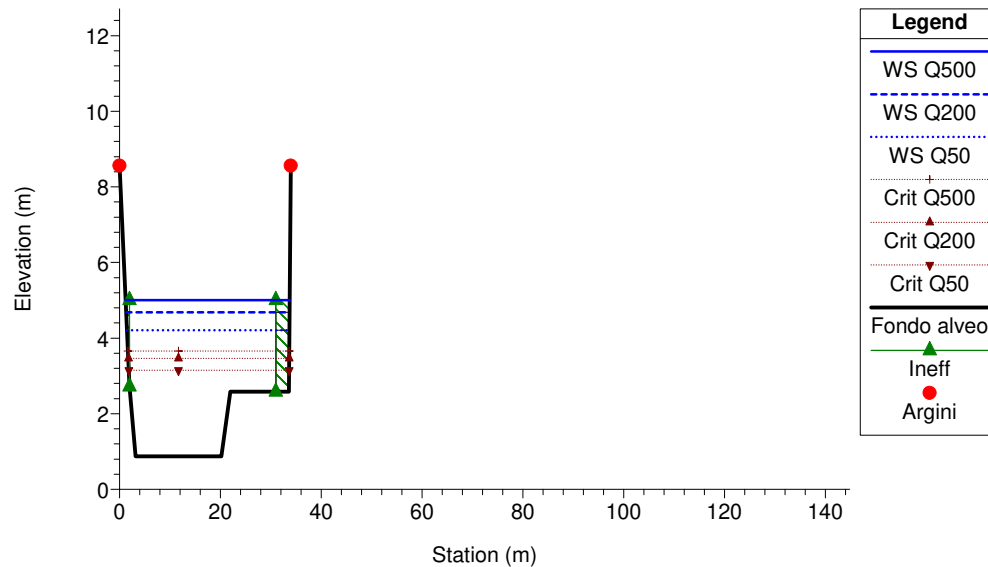
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 2 SECONDA FOSSO MULINI



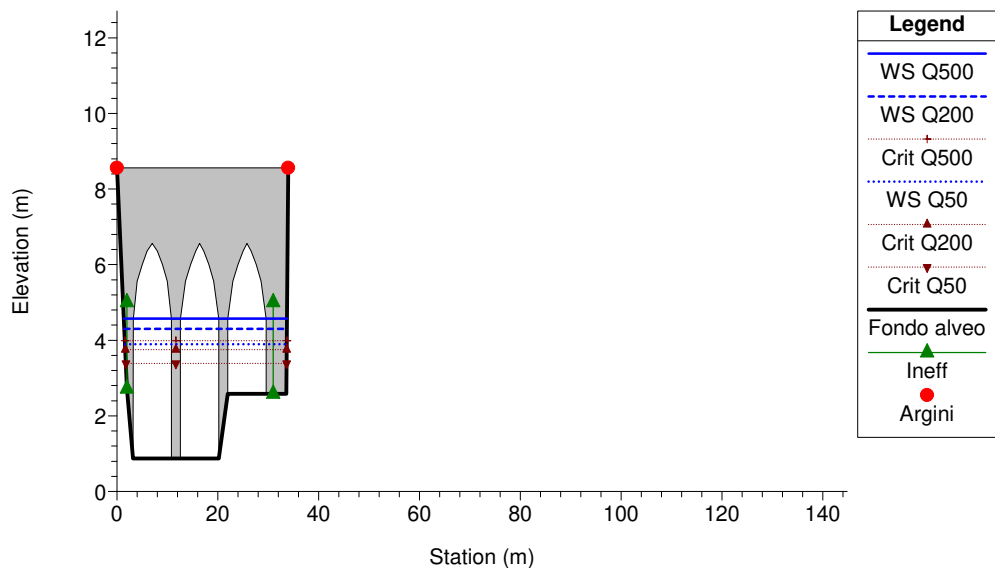
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 1.1 A MONTE DEL PONTE FOSSO MULINI



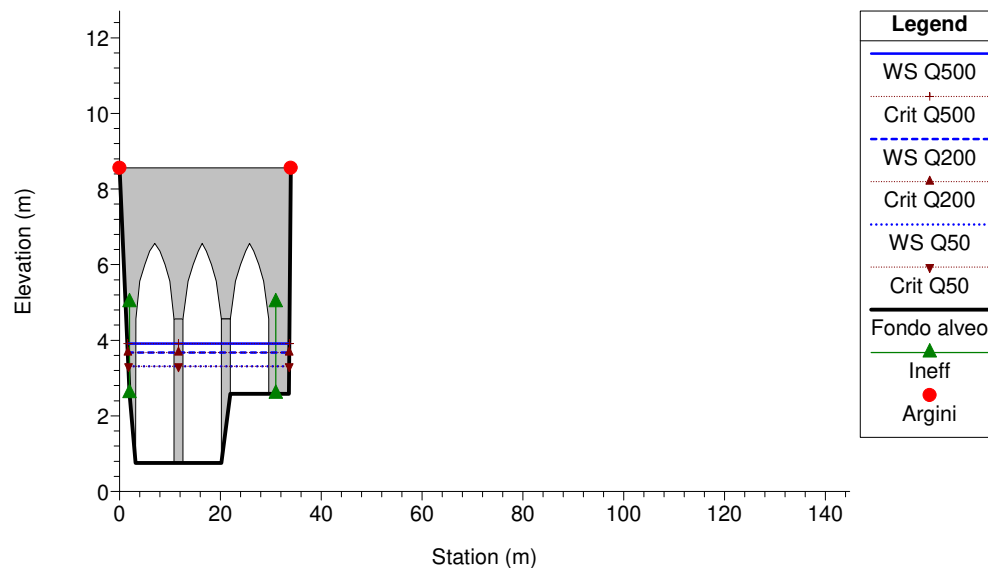
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 1.05 BR ponte ferroviario FOSSO MULINI



Torrente Ghiararo

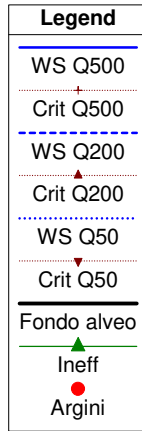
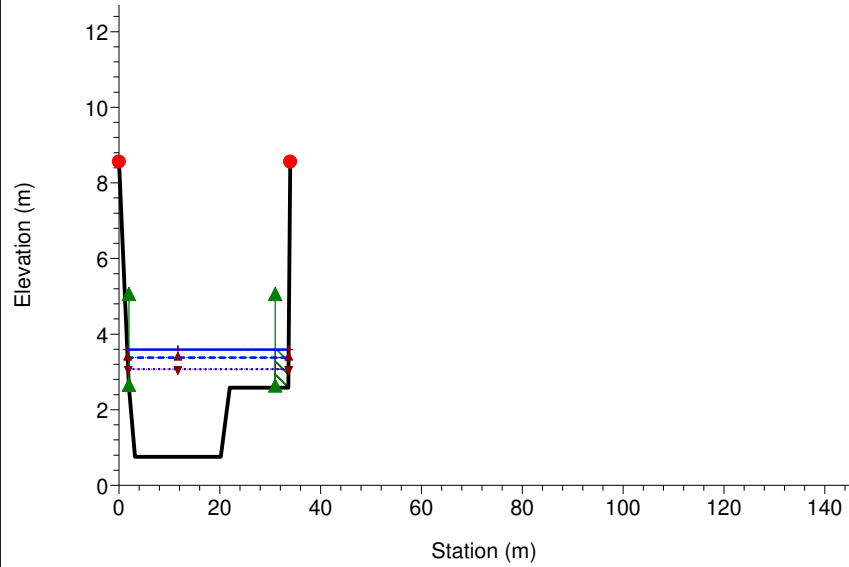
River = GHIARARO Reach = PRINCIPALE1 RS = 1.05 BR ponte ferroviario FOSSO MULINI



1 cm Horiz. = 15 m 1 cm Vert. = 2 m

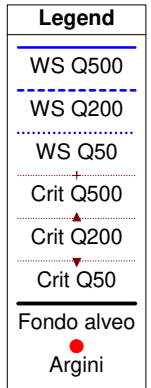
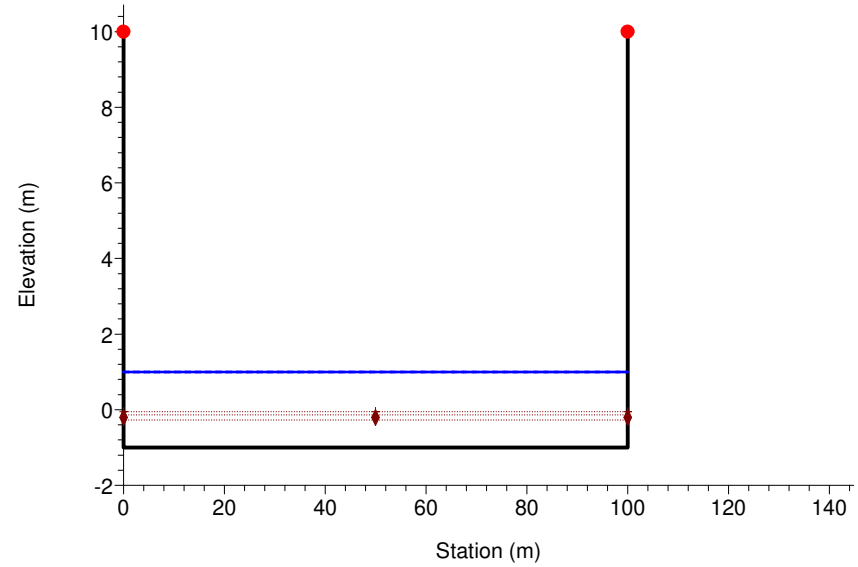
Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 1 SEZIONE FOSSO MULINI

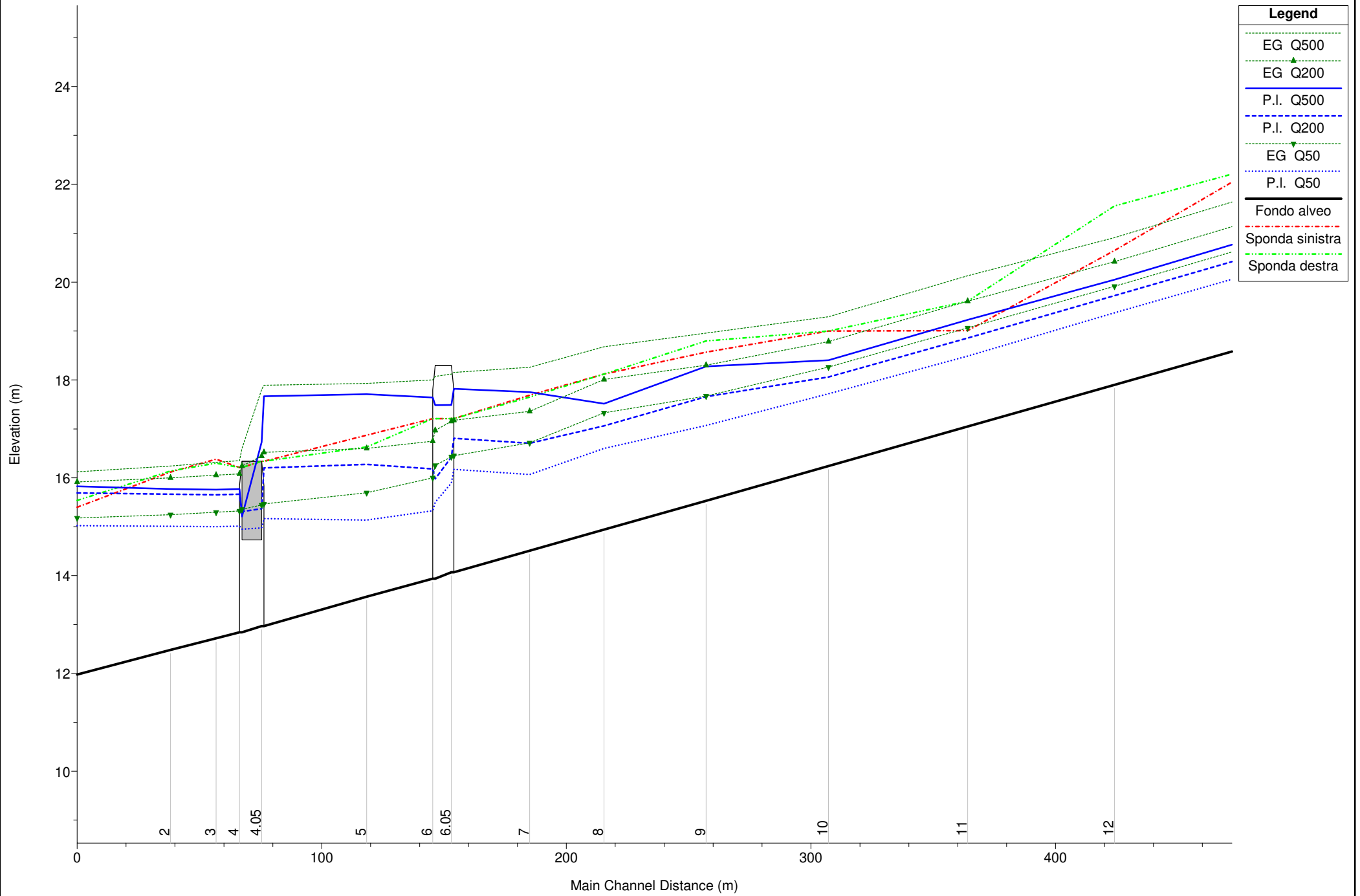


Torrente Ghiararo

River = GHIARARO Reach = PRINCIPALE1 RS = 0.5 SEZ DI CONTROLLO FITTIZIA FOSSO MULINI



Rio Fontana



1 cm Horiz. = 20 m 1 cm Vert. = 1 m

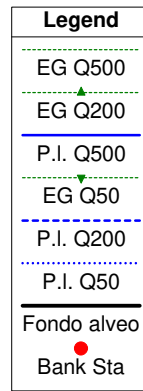
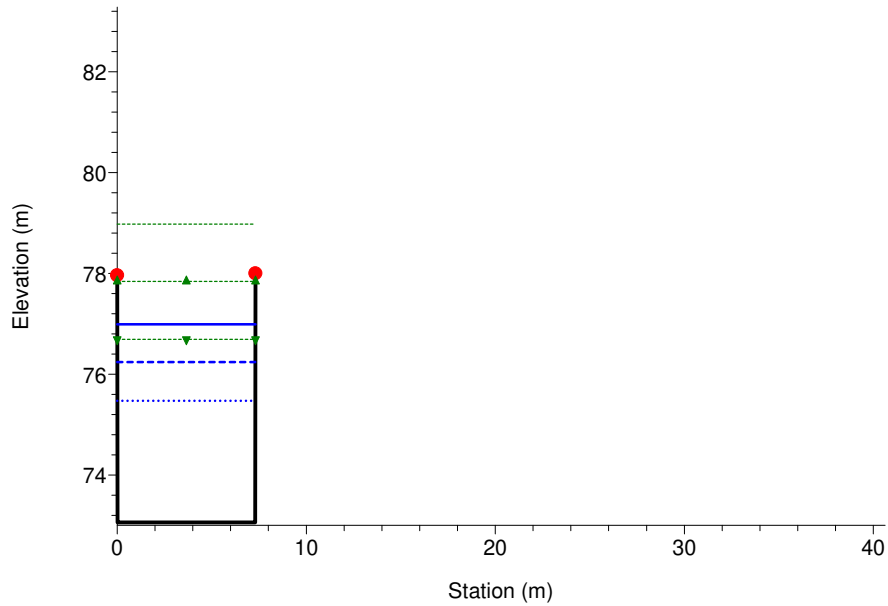
Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	31	Q500	179.00	1907.20	77.96	78.00	73.06	76.99	78.97	3.93	3.93	6.24	28.68	7.31	1.01
principale	31	Q200	130.00	1907.20	77.96	78.00	73.06	76.24	77.84	3.18	3.17	5.61	23.17	7.30	1.01
principale	31	Q50	86.00	1907.20	77.96	78.00	73.06	75.47	76.69	2.41	2.41	4.89	17.59	7.30	1.01
principale	30.1	Q500	179.00	1841.70	70.24	70.24	67.44	72.44	74.86	5.00	4.80	6.90	25.95	5.41	1.01
principale	30.1	Q200	130.00	1841.70	70.24	70.24	67.44	71.53	73.47	4.09	3.89	6.18	21.04	5.41	1.00
principale	30.1	Q50	86.00	1841.70	70.24	70.24	67.44	70.58	72.07	3.14	2.94	5.41	15.91	5.41	1.01
principale	30	Q500	179.00	1834.70	69.67	69.67	66.87	71.87	74.29	5.00	4.80	6.90	25.95	5.41	1.01
principale	30	Q200	130.00	1834.70	69.67	69.67	66.87	70.96	72.90	4.09	3.89	6.18	21.04	5.41	1.00
principale	30	Q50	86.00	1834.70	69.67	69.67	66.87	70.01	71.50	3.14	2.94	5.41	15.91	5.41	1.01
principale	29	Q500	179.00	1794.70	66.54	67.19	63.02	67.04	68.71	4.02	3.33	5.72	31.30	9.41	1.00
principale	29	Q200	130.00	1794.70	66.54	67.19	63.02	66.39	67.75	3.37	2.67	5.17	25.16	9.41	1.01
principale	29	Q50	86.00	1794.70	66.54	67.19	63.02	65.74	66.78	2.72	2.03	4.51	19.08	9.40	1.01
principale	28	Q500	179.00	1694.70	59.50	58.90	54.90	59.69	61.82	4.79	4.26	6.46	27.71	6.51	1.00
principale	28	Q200	130.00	1694.70	59.50	58.90	54.90	58.86	60.59	3.96	3.43	5.83	22.30	6.51	1.01
principale	28	Q50	86.00	1694.70	59.50	58.90	54.90	58.03	59.35	3.13	2.60	5.09	16.91	6.50	1.01
principale	27	Q500	179.00	1594.70	53.15	52.41	47.91	53.22	55.07	5.31	3.27	6.03	29.77	9.11	0.98
principale	27	Q200	130.00	1594.70	53.15	52.41	47.91	52.40	53.97	4.49	3.08	5.55	23.42	7.61	1.01
principale	27	Q50	86.00	1594.70	53.15	52.41	47.91	51.66	52.85	3.75	2.34	4.84	17.76	7.60	1.01
principale	26	Q500	179.00	1494.70	45.57	48.00	40.00	45.43	46.30	5.43	3.41	4.13	43.34	12.70	0.71
principale	26	Q200	130.00	1494.70	45.57	48.00	40.00	45.17	45.71	5.17	3.15	3.25	40.01	12.70	0.58
principale	26	Q50	86.00	1494.70	45.57	48.00	40.00	44.79	45.09	4.79	2.77	2.45	35.11	12.70	0.47
principale	25.1	Q500	179.00	1472.45	49.32	48.52	42.52	45.13	46.14	2.61	2.00	4.46	40.11	20.03	1.01
principale	25.1	Q200	130.00	1472.45	49.32	48.52	42.52	44.73	45.56	2.21	1.63	4.03	32.24	19.75	1.01
principale	25.1	Q50	86.00	1472.45	49.32	48.52	42.52	44.33	44.97	1.81	1.25	3.53	24.35	19.47	1.01
principale	25	Q500	179.00	1472.40	47.80	47.00	41.00	43.61	44.62	2.61	2.00	4.47	40.09	20.03	1.01
principale	25	Q200	130.00	1472.40	47.80	47.00	41.00	43.21	44.04	2.21	1.63	4.04	32.21	19.75	1.01
principale	25	Q50	86.00	1472.40	47.80	47.00	41.00	42.81	43.45	1.81	1.25	3.54	24.30	19.47	1.01
principale	24	Q500	179.00	1416.50	44.19	44.27	39.33	42.01	43.04	2.68	2.01	4.49	39.90	19.86	1.01
principale	24	Q200	130.00	1416.50	44.19	44.27	39.33	41.62	42.45	2.29	1.62	4.04	32.20	19.83	1.01
principale	24	Q50	86.00	1416.50	44.19	44.27	39.33	41.23	41.86	1.90	1.23	3.53	24.40	19.80	1.01
principale	23.1	Q500	179.00	1321.50	41.95	41.95	36.34	40.71	42.16	4.37	3.98	5.35	33.48	8.40	0.86
principale	23.1	Q200	130.00	1321.50	41.95	41.95	36.34	39.95	41.12	3.61	3.23	4.79	27.12	8.40	0.85
principale	23.1	Q50	86.00	1321.50	41.95	41.95	36.34	39.19	40.07	2.85	2.47	4.15	20.73	8.40	0.84
principale	23.05		Bridge												
principale	23	Q500	179.00	1316.50	41.95	41.95	36.34	40.30	42.11	3.96	3.58	5.95	30.07	8.40	1.00
principale	23	Q200	130.00	1316.50	41.95	41.95	36.34	39.61	41.07	3.27	2.89	5.36	24.27	8.40	1.01
principale	23	Q50	86.00	1316.50	41.95	41.95	36.34	38.91	40.02	2.57	2.19	4.67	18.41	8.40	1.01

Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	22	Q500	179.00	1223.00	39.00	39.24	33.55	36.46	37.51	2.91	2.07	4.54	39.40	18.99	1.01
principale	22	Q200	130.00	1223.00	39.00	39.24	33.55	36.01	36.89	2.46	1.76	4.17	31.18	17.73	1.00
principale	22	Q50	86.00	1223.00	39.00	39.24	33.55	35.53	36.24	1.98	1.41	3.73	23.04	16.40	1.01
principale	21	Q500	179.00	1110.00	35.07	35.75	30.18	32.76	33.77	2.58	1.98	4.44	40.31	20.37	1.01
principale	21	Q200	130.00	1110.00	35.07	35.75	30.18	32.37	33.19	2.19	1.62	4.03	32.28	19.91	1.01
principale	21	Q50	86.00	1110.00	35.07	35.75	30.18	31.96	32.60	1.78	1.25	3.54	24.29	19.45	1.01
principale	20.1	Q500	179.00	1016.00	31.26	31.26	28.28	31.02	32.16	2.74	2.74	4.73	37.85	13.81	0.91
principale	20.1	Q200	130.00	1016.00	31.26	31.26	28.28	30.49	31.42	2.21	2.21	4.26	30.54	13.81	0.91
principale	20.1	Q50	86.00	1016.00	31.26	31.26	28.28	29.95	30.66	1.67	1.67	3.74	22.98	13.80	0.93
principale	20.05		Bridge												
principale	20	Q500	179.00	1010.00	31.26	31.26	28.16	30.73	32.03	2.57	2.57	5.04	35.51	13.81	1.00
principale	20	Q200	130.00	1010.00	31.26	31.26	28.16	30.24	31.29	2.08	2.08	4.54	28.66	13.80	1.00
principale	20	Q50	86.00	1010.00	31.26	31.26	28.16	29.74	30.53	1.58	1.58	3.95	21.75	13.80	1.01
principale	19	Q500	179.00	994.10	31.86	34.82	27.84	30.14	31.16	2.30	2.00	4.47	40.08	20.00	1.01
principale	19	Q200	130.00	994.10	31.86	34.82	27.84	29.76	30.58	1.92	1.62	4.02	32.37	20.00	1.01
principale	19	Q50	86.00	994.10	31.86	34.82	27.84	29.36	29.99	1.52	1.23	3.50	24.56	19.99	1.01
principale	18	Q500	179.00	944.10	31.28	31.71	26.82	29.06	30.04	2.24	1.94	4.40	40.72	21.00	1.01
principale	18	Q200	130.00	944.10	31.28	31.71	26.82	28.69	29.48	1.87	1.57	3.95	32.89	20.99	1.01
principale	18	Q50	86.00	944.10	31.28	31.71	26.82	28.31	28.91	1.49	1.19	3.45	24.96	20.99	1.01
principale	17	Q500	179.00	864.10	28.00	30.09	25.20	27.65	28.63	2.45	1.94	4.40	40.70	20.98	1.01
principale	17	Q200	130.00	864.10	28.00	30.09	25.20	27.25	28.06	2.05	1.60	4.00	32.51	20.27	1.01
principale	17	Q50	86.00	864.10	28.00	30.09	25.20	26.84	27.47	1.64	1.25	3.53	24.38	19.54	1.01
principale	16	Q500	179.00	764.10	29.20	27.41	23.18	25.55	26.49	2.37	1.85	4.29	41.70	22.59	1.01
principale	16	Q200	130.00	764.10	29.20	27.41	23.18	25.18	25.95	2.00	1.53	3.89	33.46	21.92	1.00
principale	16	Q50	86.00	764.10	29.20	27.41	23.18	24.79	25.39	1.61	1.17	3.43	25.09	21.39	1.01
principale	15	Q500	179.00	664.10	26.00	26.28	21.16	23.73	24.51	2.57	1.52	3.92	45.65	29.95	1.01
principale	15	Q200	130.00	664.10	26.00	26.28	21.16	23.44	24.07	2.28	1.25	3.51	37.02	29.57	1.00
principale	15	Q50	86.00	664.10	26.00	26.28	21.16	23.11	23.61	1.95	0.97	3.13	27.51	28.50	1.02
principale	14	Q500	179.00	624.10	27.00	24.99	20.45	22.85	23.59	2.40	1.49	3.81	46.98	31.56	1.00
principale	14	Q200	130.00	624.10	27.00	24.99	20.45	22.30	23.08	1.85	1.53	3.91	33.29	21.70	1.01
principale	14	Q50	86.00	624.10	27.00	24.99	20.45	21.92	22.52	1.47	1.18	3.44	25.02	21.22	1.01
principale	13	Q500	179.00	544.10	23.56	22.91	19.32	21.54	22.42	2.22	1.75	4.17	42.88	24.52	1.01
principale	13	Q200	130.00	544.10	23.56	22.91	19.32	21.17	21.91	1.85	1.45	3.80	34.17	23.50	1.01
principale	13	Q50	86.00	544.10	23.56	22.91	19.32	20.80	21.38	1.48	1.14	3.36	25.59	22.45	1.01
principale	12	Q500	179.00	444.10	20.65	21.56	17.90	20.05	20.91	2.15	1.71	4.11	43.56	25.55	1.00
principale	12	Q200	130.00	444.10	20.65	21.56	17.90	19.72	20.42	1.82	1.38	3.69	35.20	25.53	1.00

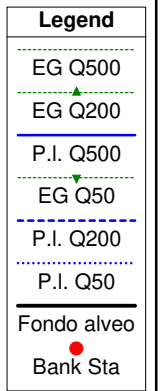
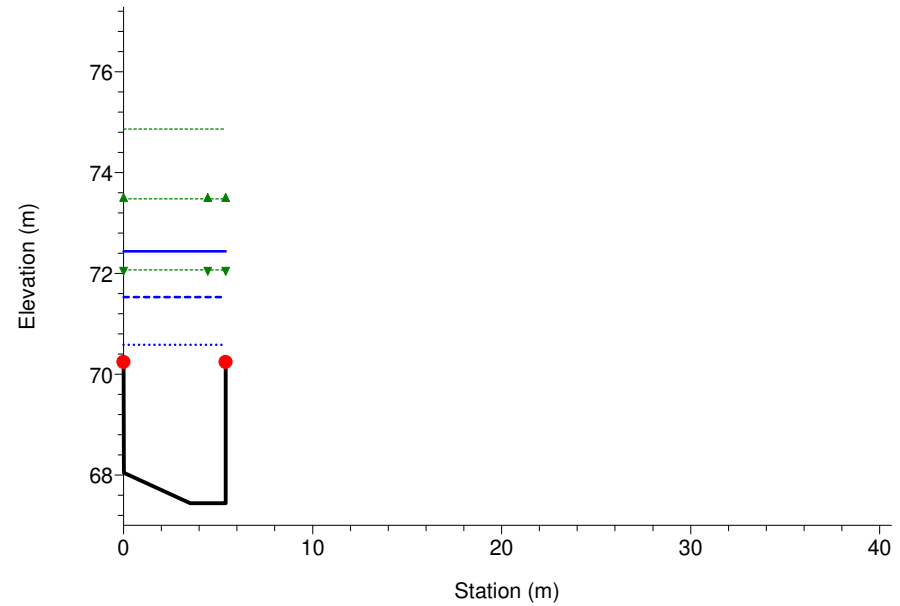
HEC-RAS Plan: Fontana-0.028 River: RAMO FONTANA Reach: principale (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	4	Q500	159.14	86.40	16.21	16.21	12.84	15.77	16.35	2.93	2.93	3.37	47.19	16.11	0.63
principale	4	Q200	130.00	86.40	16.21	16.21	12.84	15.66	16.08	2.82	2.82	2.86	45.45	16.11	0.54
principale	4	Q50	86.00	86.40	16.21	16.21	12.84	15.01	15.32	2.17	2.17	2.46	34.99	16.10	0.53
principale	3.992		Lat Struct												
principale	3.991		Lat Struct												
principale	3	Q500	159.14	76.80	16.38	16.30	12.72	15.76	16.32	3.04	2.93	3.31	48.07	16.39	0.62
principale	3	Q200	130.00	76.80	16.38	16.30	12.72	15.65	16.05	2.93	2.83	2.80	46.36	16.36	0.53
principale	3	Q50	86.00	76.80	16.38	16.30	12.72	15.00	15.30	2.28	2.20	2.41	35.74	16.23	0.52
principale	2.992		Lat Struct												
principale	2.991		Lat Struct												
principale	2	Q500	159.14	58.20	16.12	16.14	12.48	15.77	16.24	3.29	3.20	3.03	52.51	16.40	0.54
principale	2	Q200	130.00	58.20	16.12	16.14	12.48	15.66	16.00	3.18	3.10	2.56	50.73	16.38	0.46
principale	2	Q50	86.00	58.20	16.12	16.14	12.48	15.01	15.25	2.53	2.46	2.15	40.07	16.29	0.44
principale	1.992		Lat Struct												
principale	1.991		Lat Struct												
principale	1	Q500	153.69	20.00	15.40	15.54	11.98	15.82	16.12	3.84	3.56	2.43	63.31	17.80	0.41
principale	1	Q200	128.13	20.00	15.40	15.54	11.98	15.69	15.92	3.71	3.42	2.10	60.93	17.80	0.36
principale	1	Q50	86.00	20.00	15.40	15.54	11.98	15.02	15.18	3.04	2.80	1.75	49.10	17.55	0.33

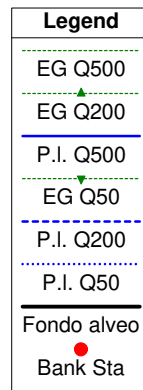
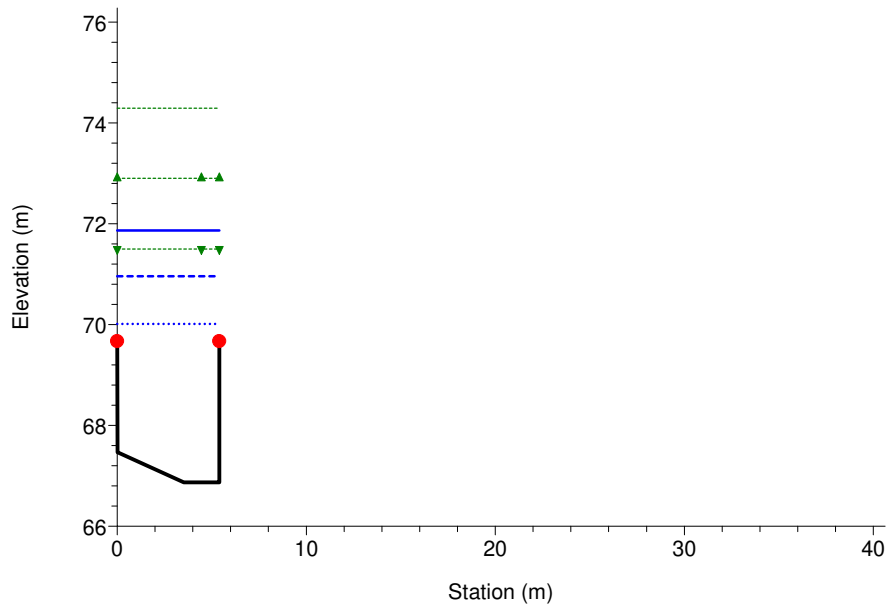
RS = 31 sez 31 immissione q=82
Rio Fontana



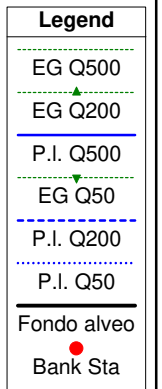
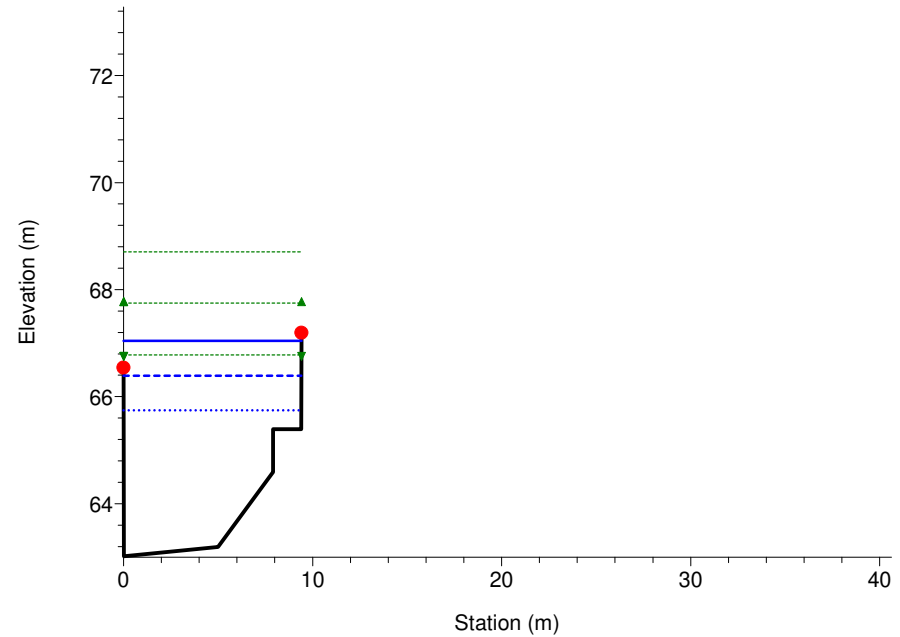
RS = 30.1 sez 30.1 a monte del ponte
Rio Fontana



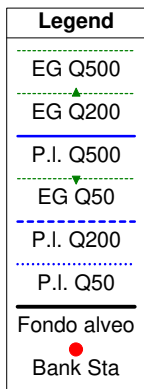
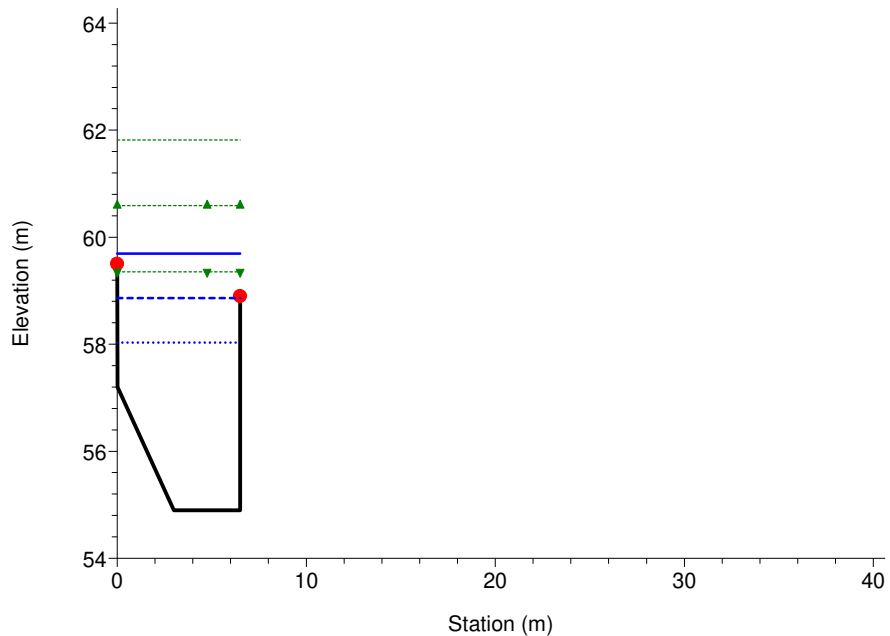
RS = 30 sez 30.1 a monte del ponte
Rio Fontana



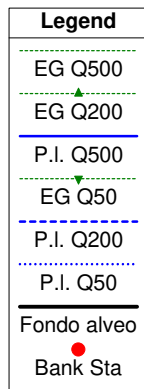
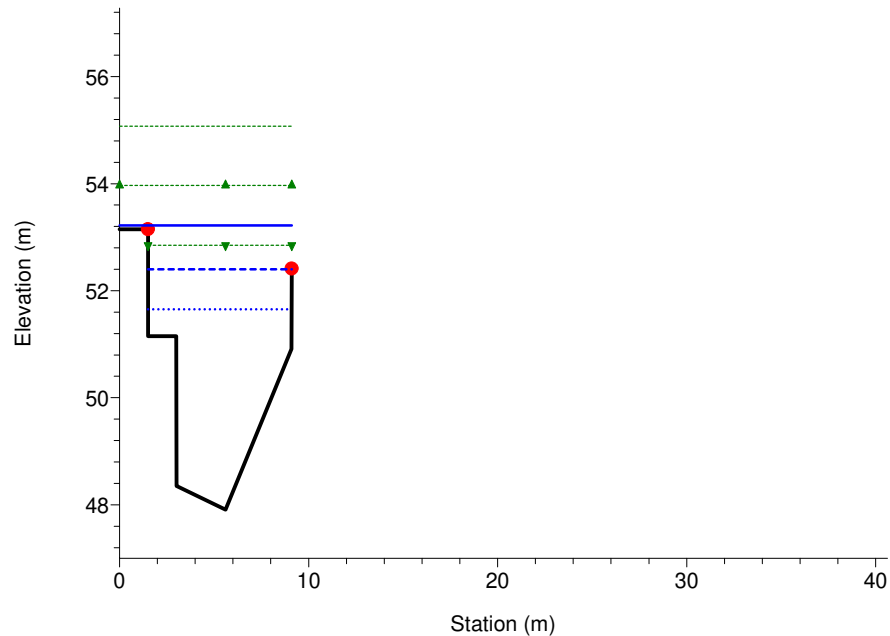
RS = 29 sez 29 Rio Fontana



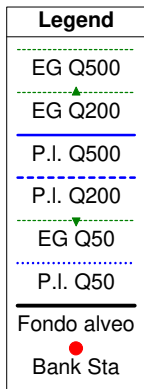
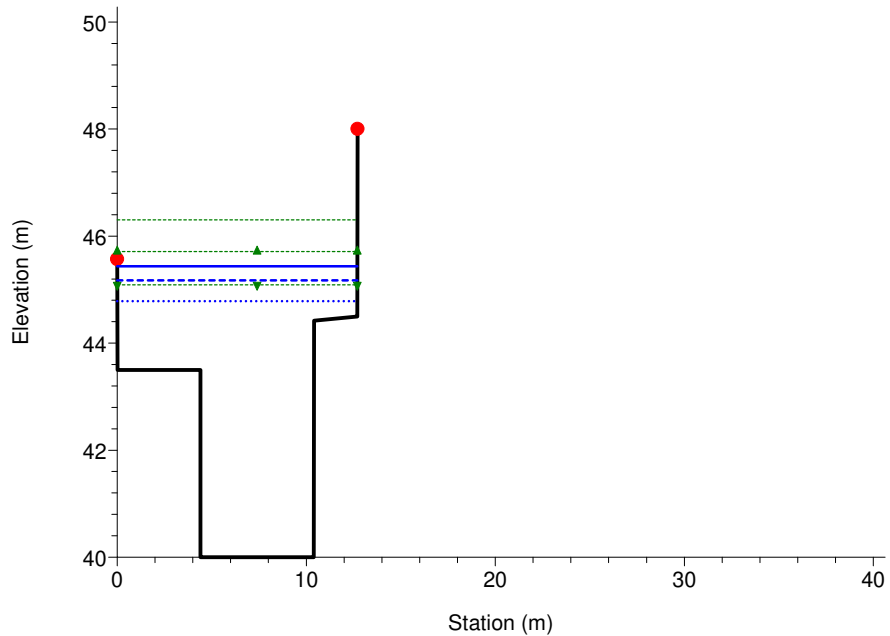
RS = 28 sez 28 Rio Fontana



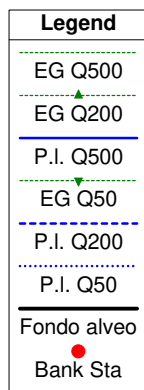
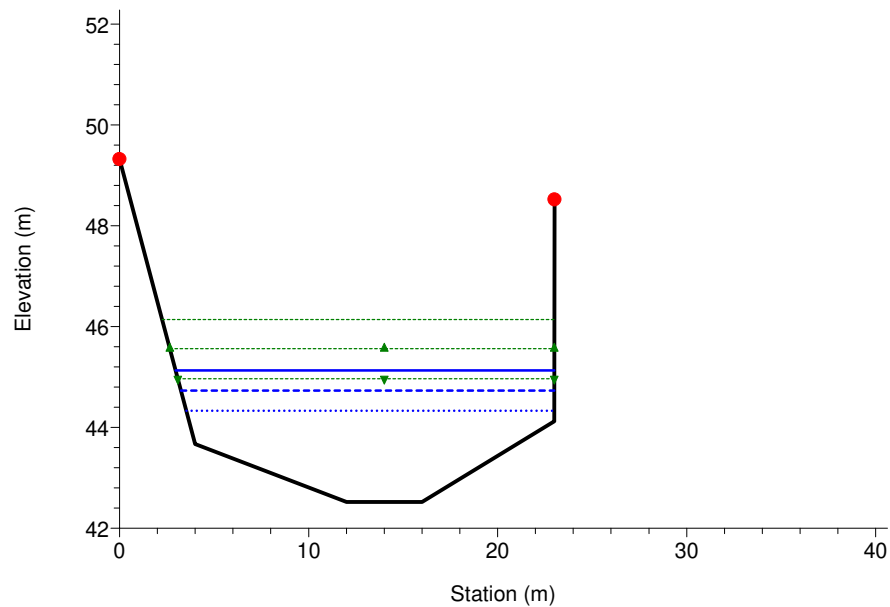
RS = 27 sez 27 Rio Fontana



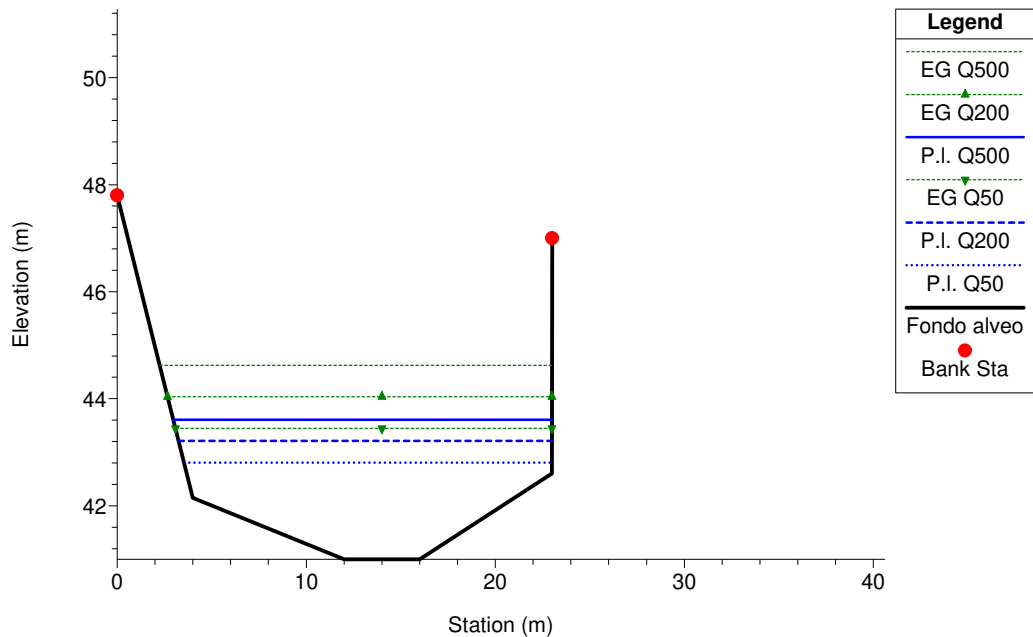
RS = 26 sez 26 Rio Fontana



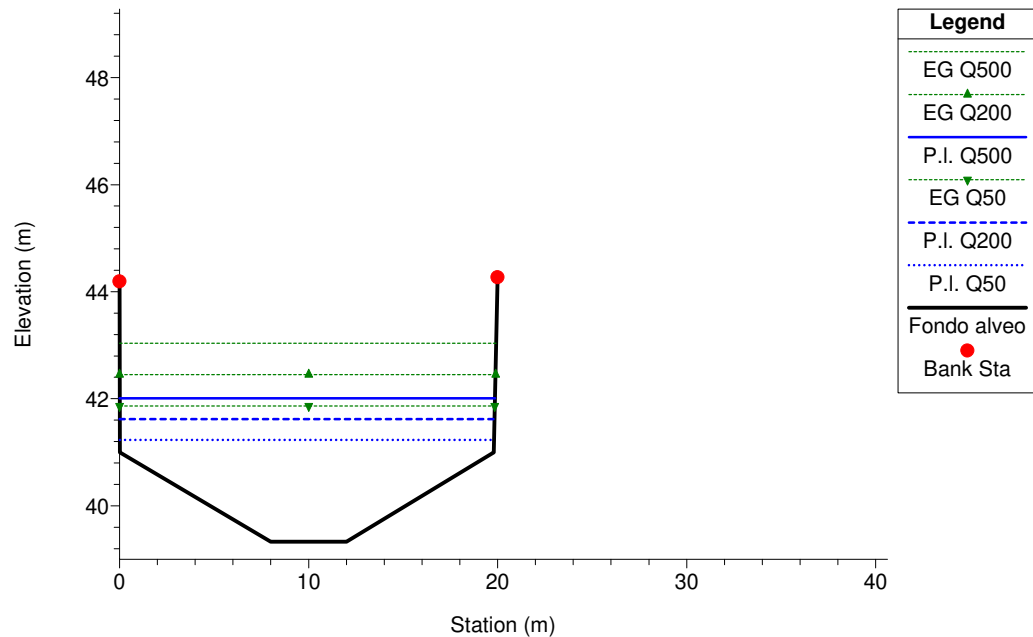
RS = 25.1 sez 25.1
Rio Fontana



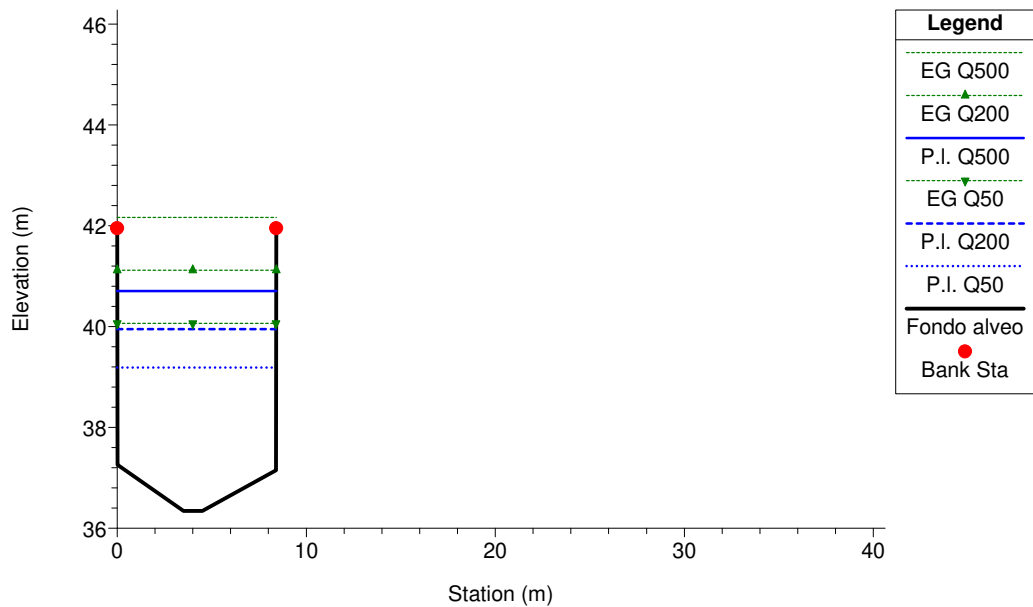
RS = 25 sez 25 Rio Fontana



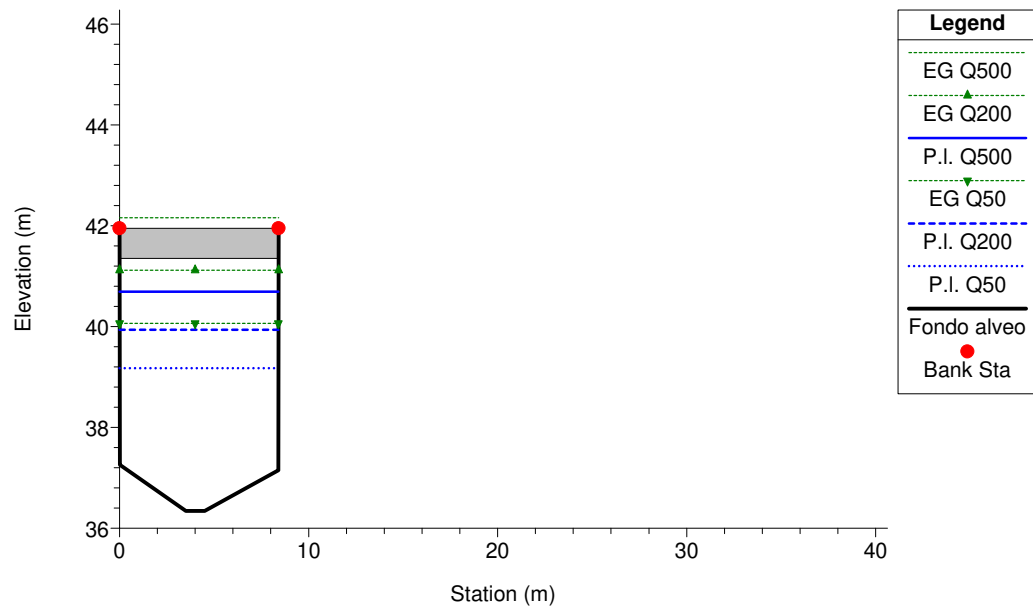
RS = 24 sez 24 Rio Fontana



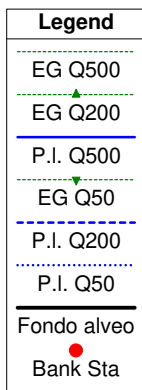
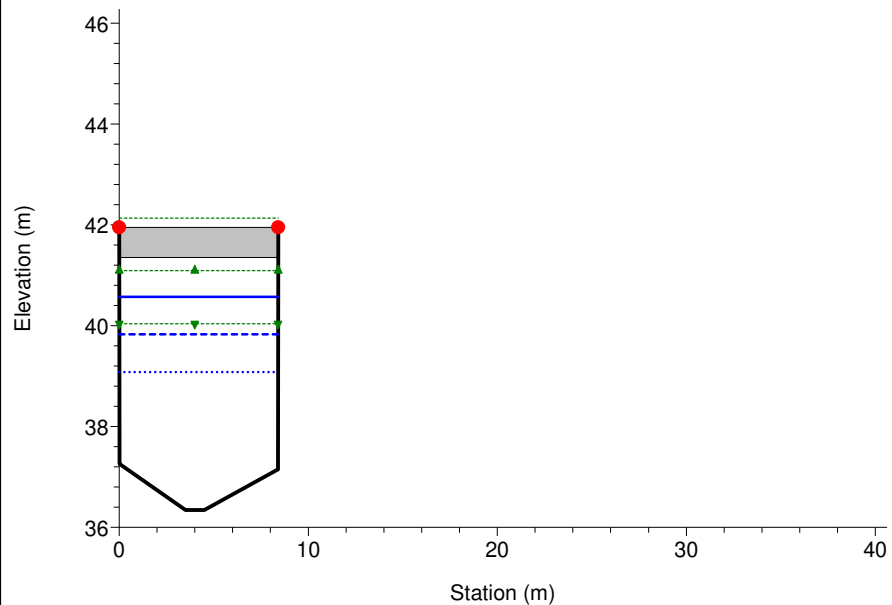
RS = 23.1 sez 23.1 a monte del ponticello metallico
Rio Fontana



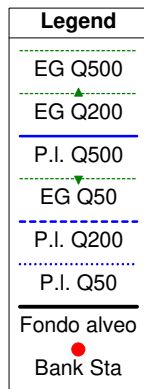
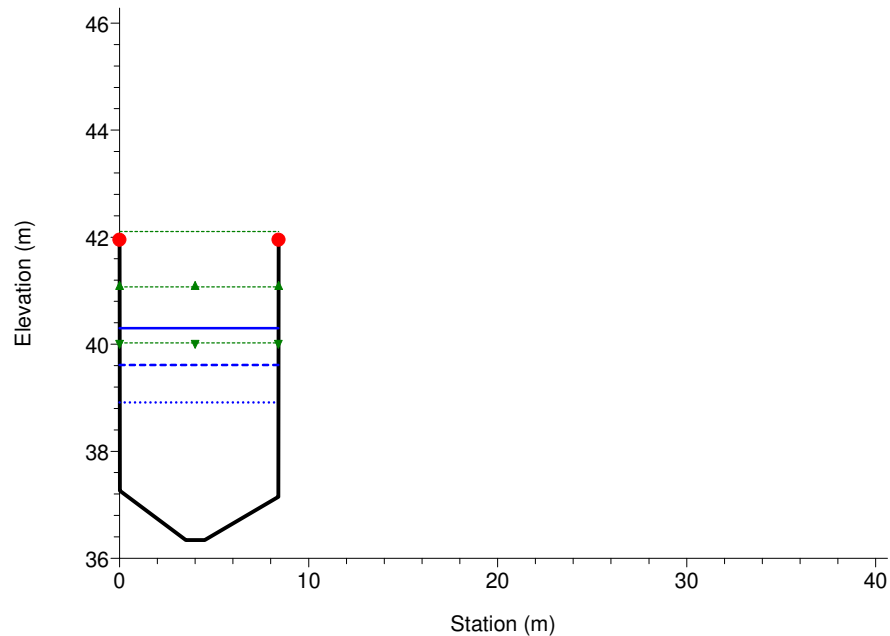
RS = 23.05 BR ponte 23
Rio Fontana



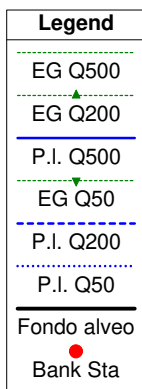
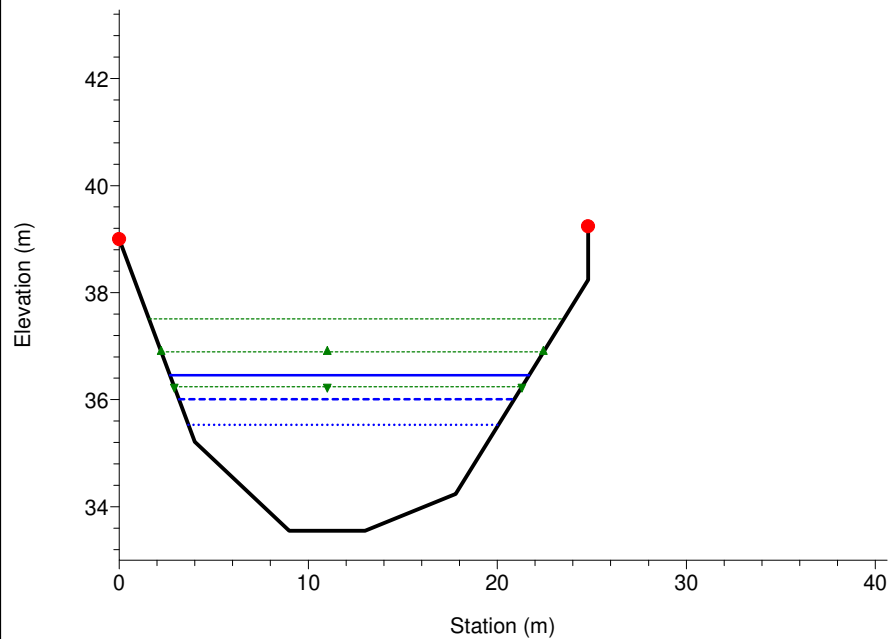
RS = 23.05 BR ponte 23
Rio Fontana



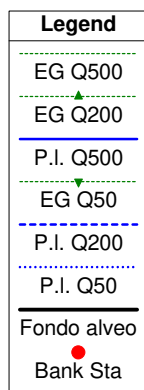
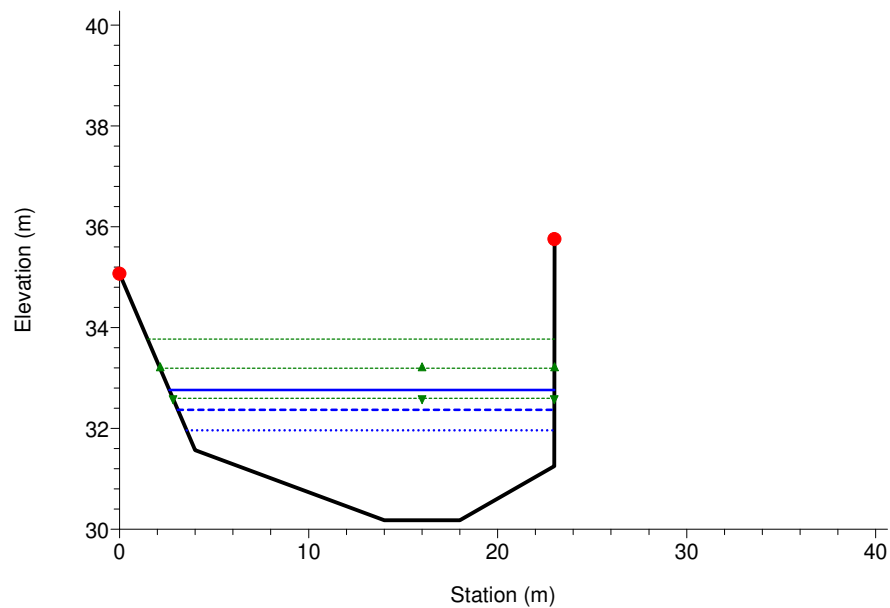
RS = 23 sez 23 Rio Fontana



RS = 22 sez 22 Rio Fontana

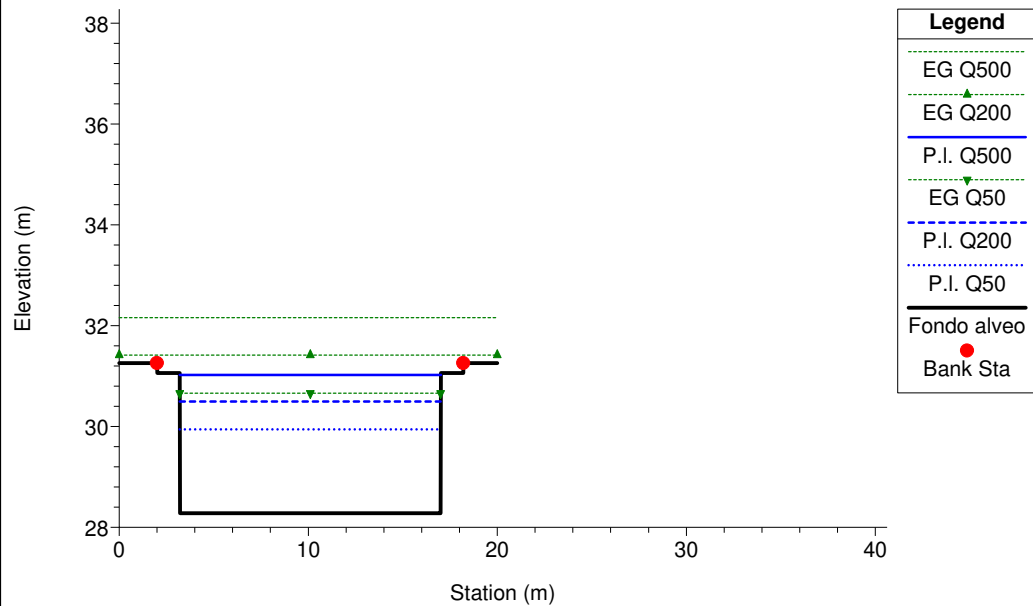


RS = 21 sez 21 immissione q=98.7
Rio Fontana



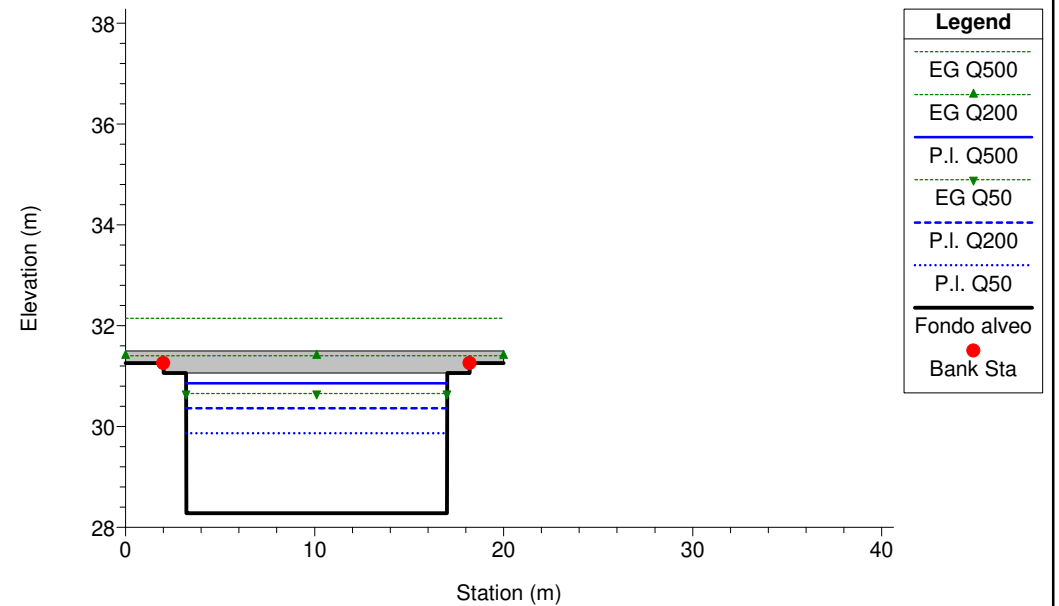
RS = 20.1 sez 20.1 a monte del ponticello

Rio Fontana



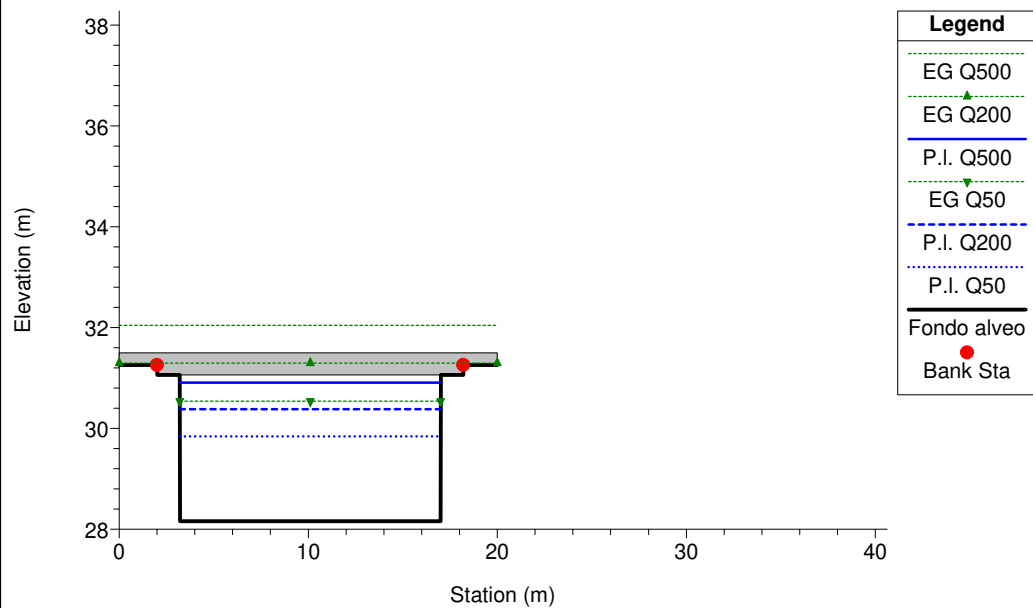
RS = 20.05 BR pont 20.05

Rio Fontana

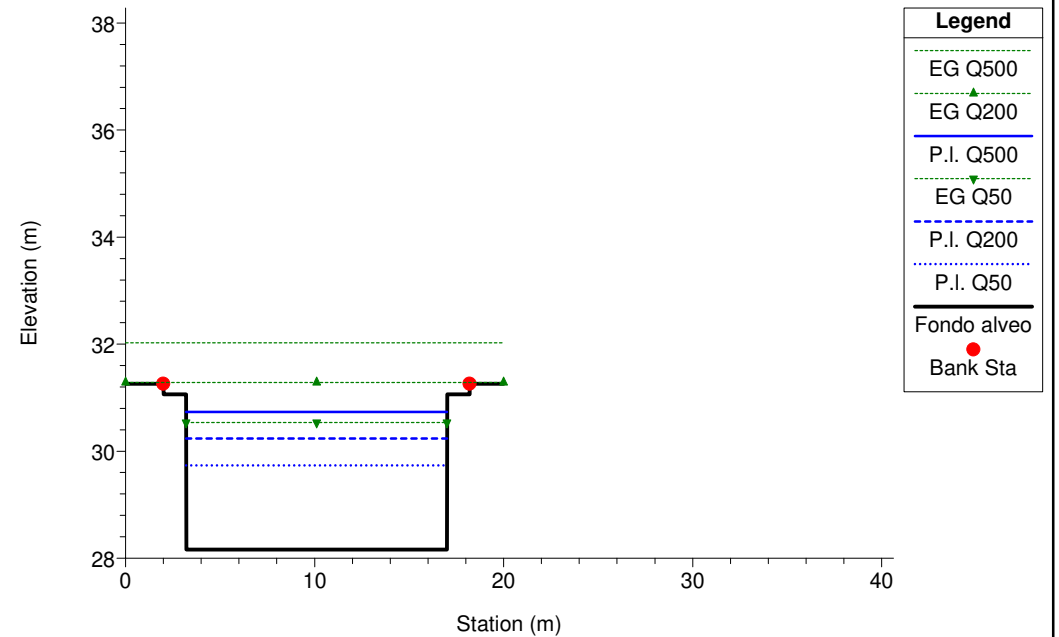


RS = 20.05 BR pont 20.05

Rio Fontana

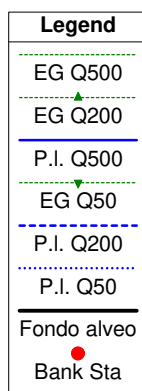
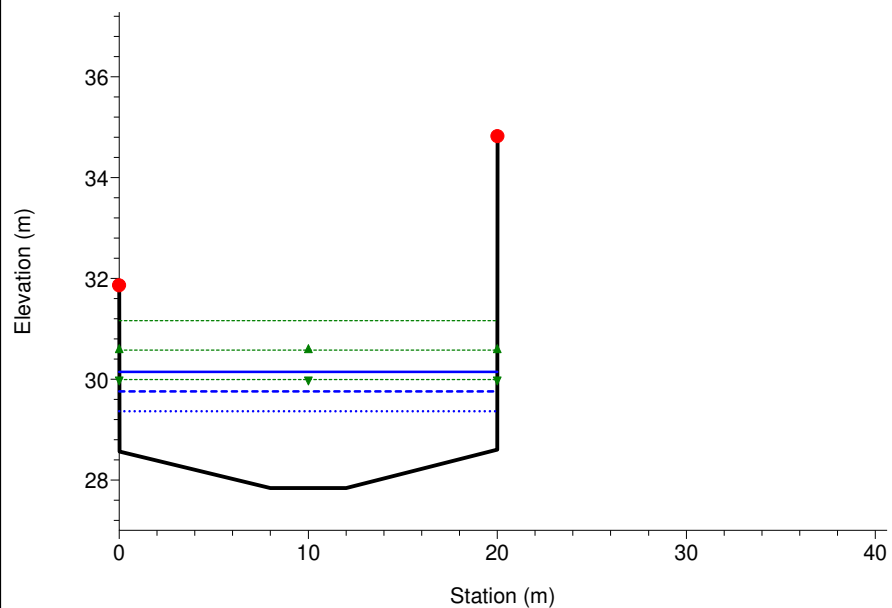


RS = 20 sez 20 Rio Fontana

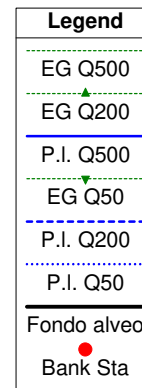
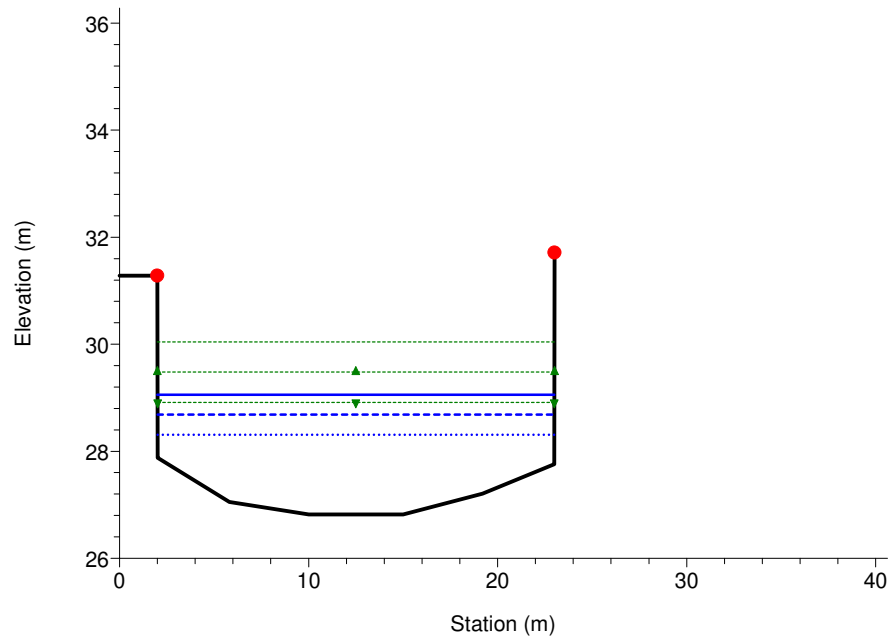


RS = 19 sez 19 immissione q=112.2

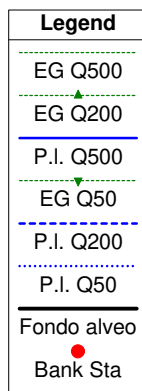
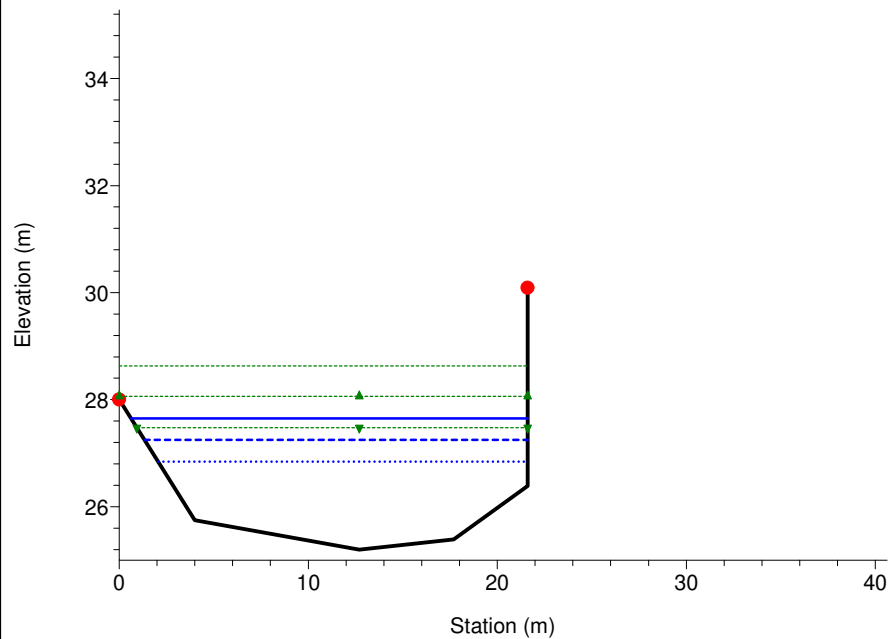
Rio Fontana



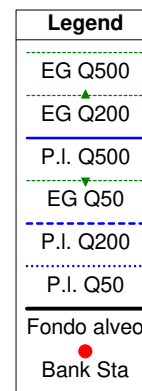
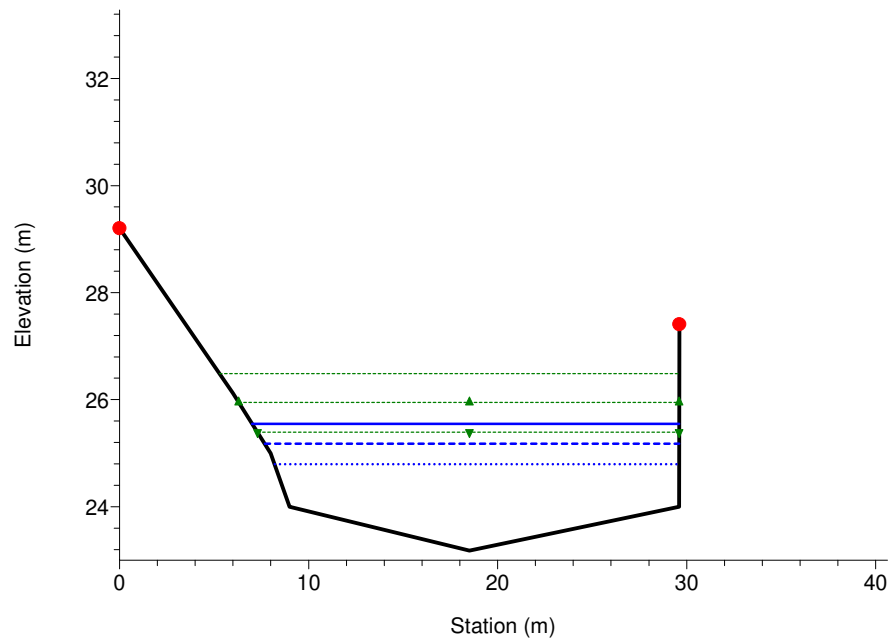
RS = 18 sez 18 Rio Fontana



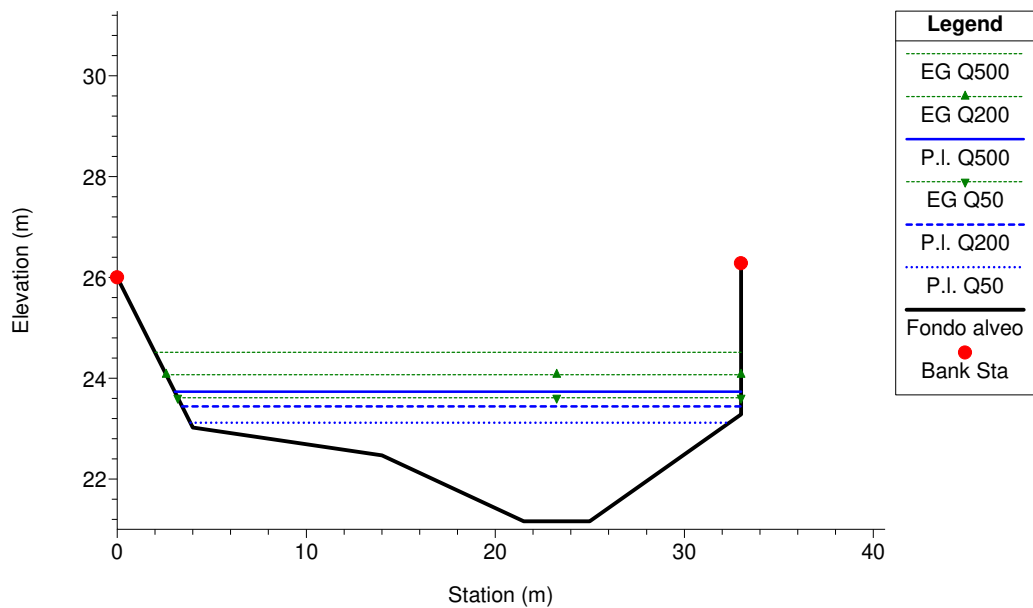
RS = 17 sez 17 Rio Fontana



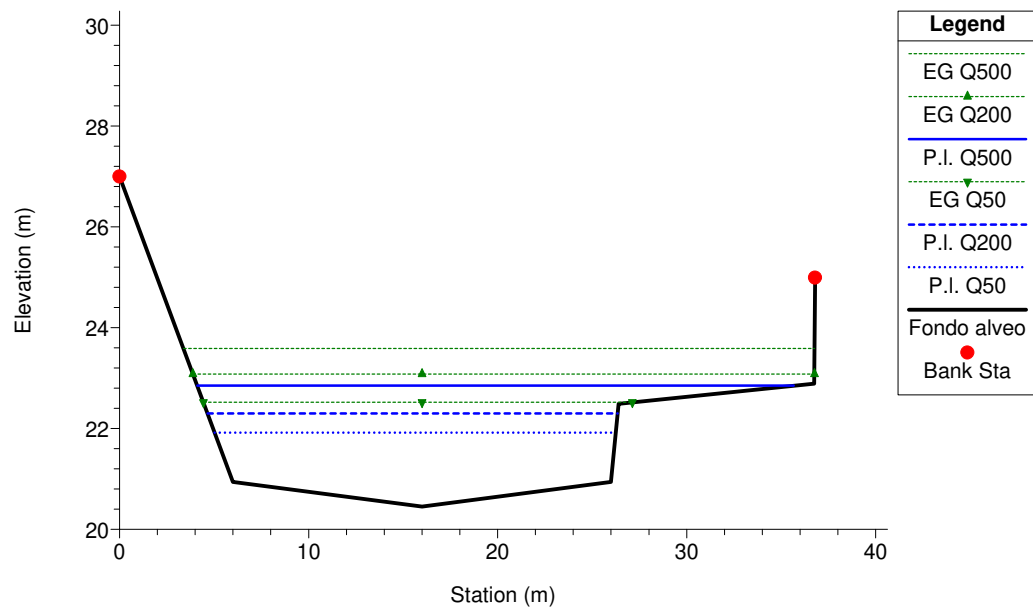
RS = 16 sez 16 Rio Fontana



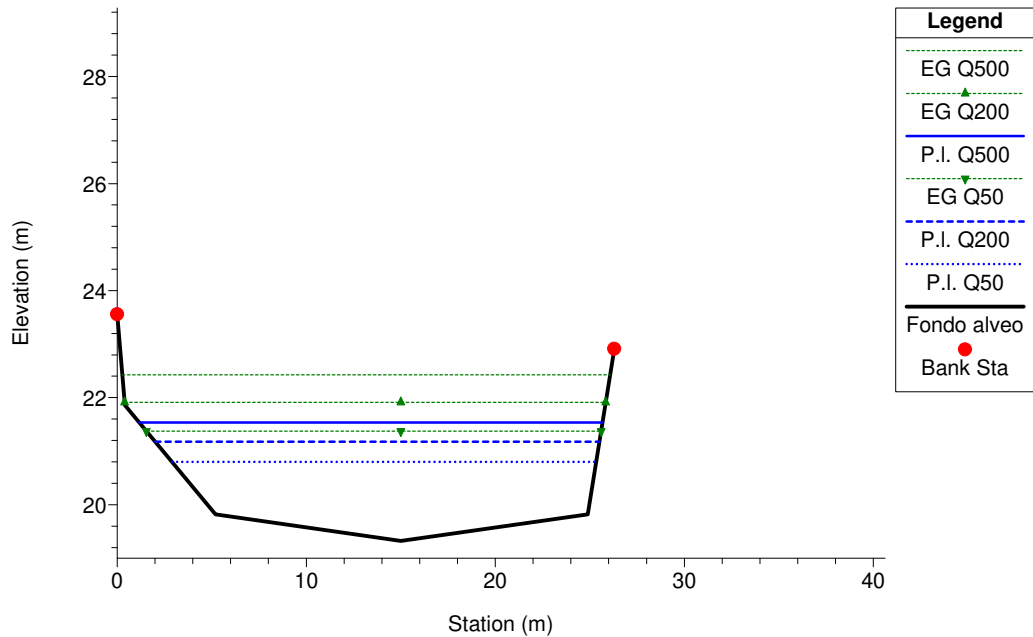
RS = 15 sez 15 monte confl fosso
Rio Fontana



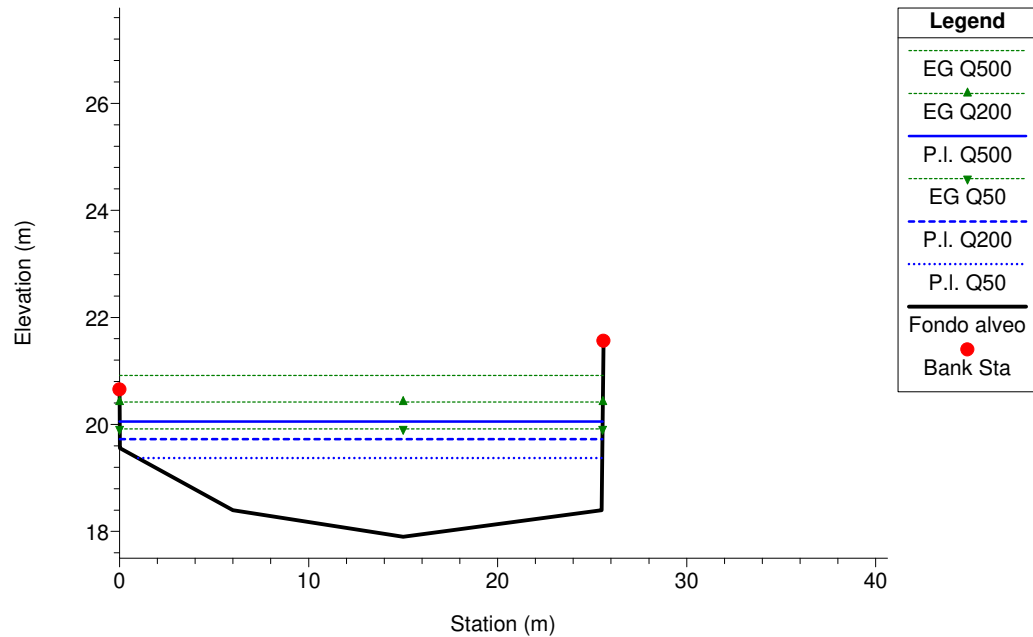
RS = 14 sez 14 (f2)
Rio Fontana



RS = 13 sez 13 Rio Fontana

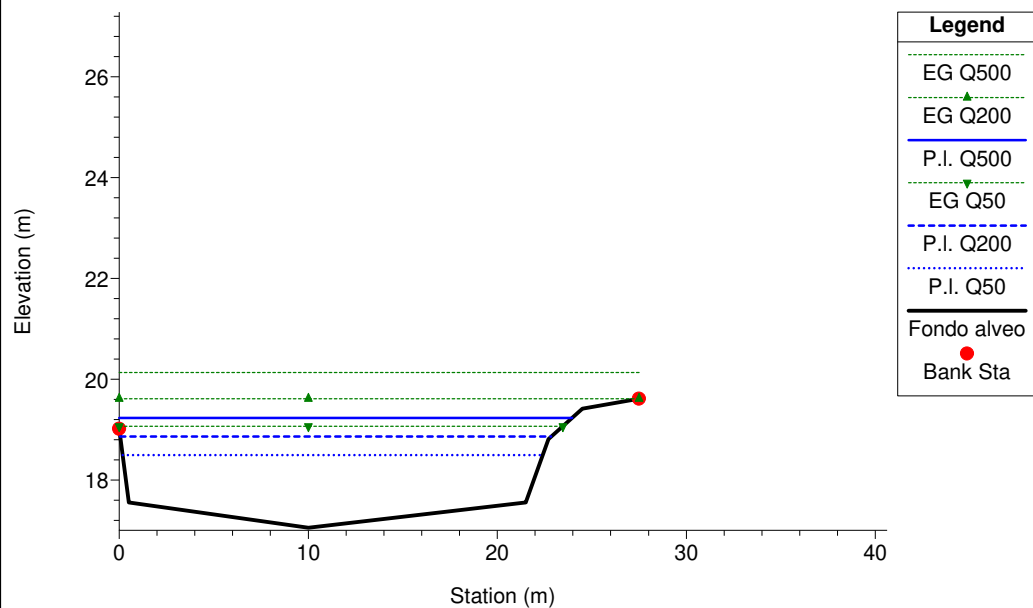


RS = 12 sez 12 Rio Fontana



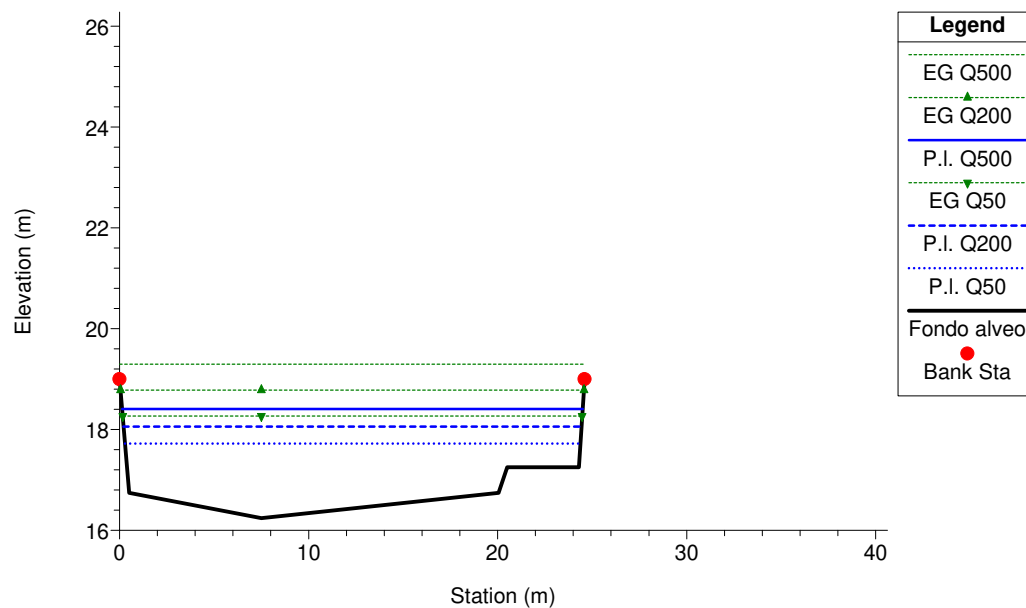
RS = 11 sez 11 immissione q=168

Rio Fontana

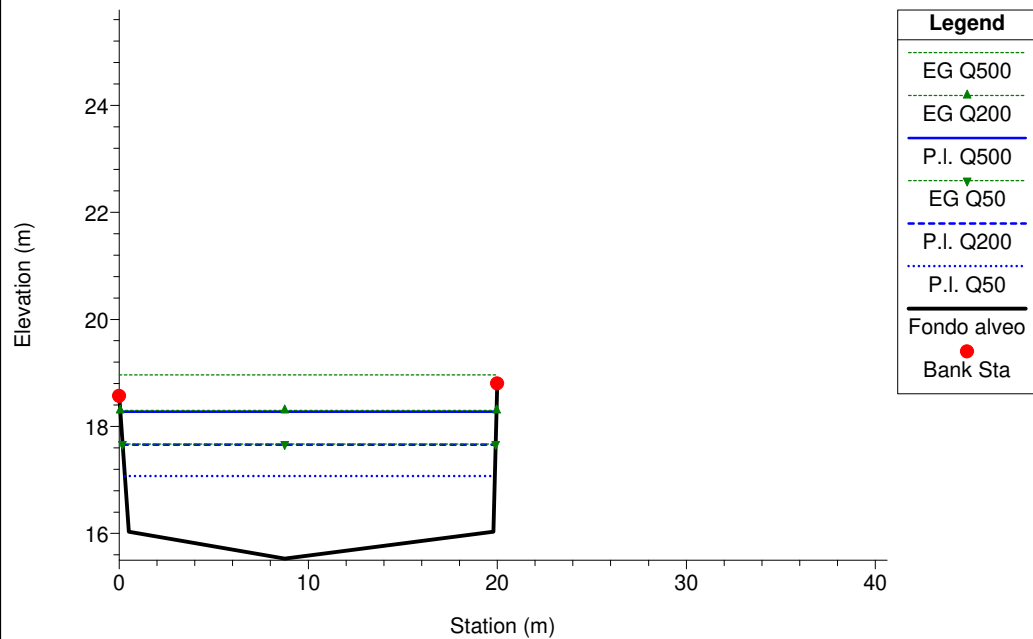


RS = 10 sez num 10

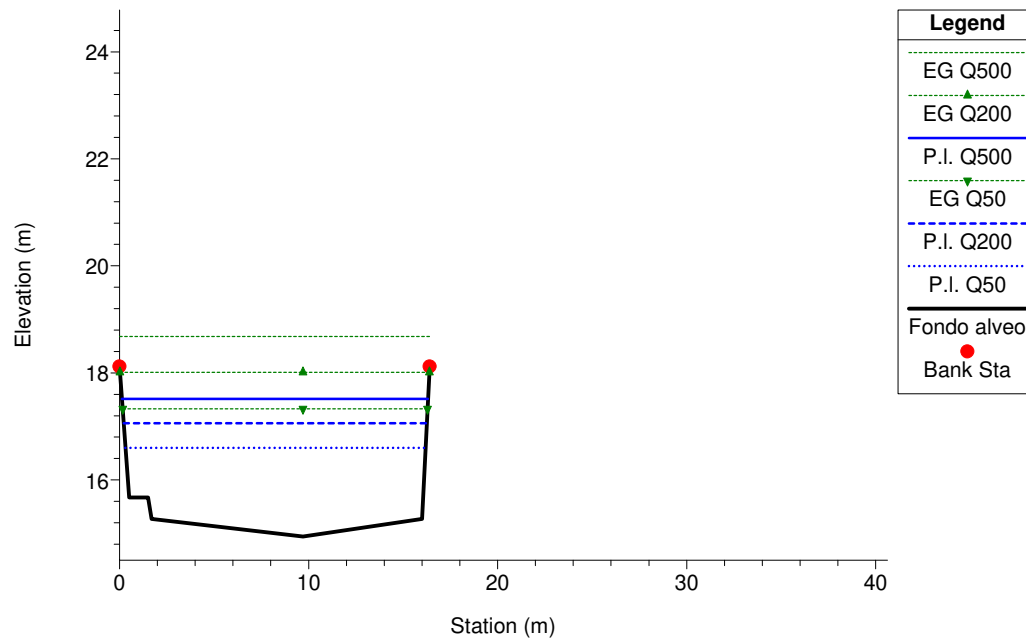
Rio Fontana



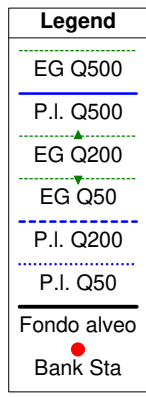
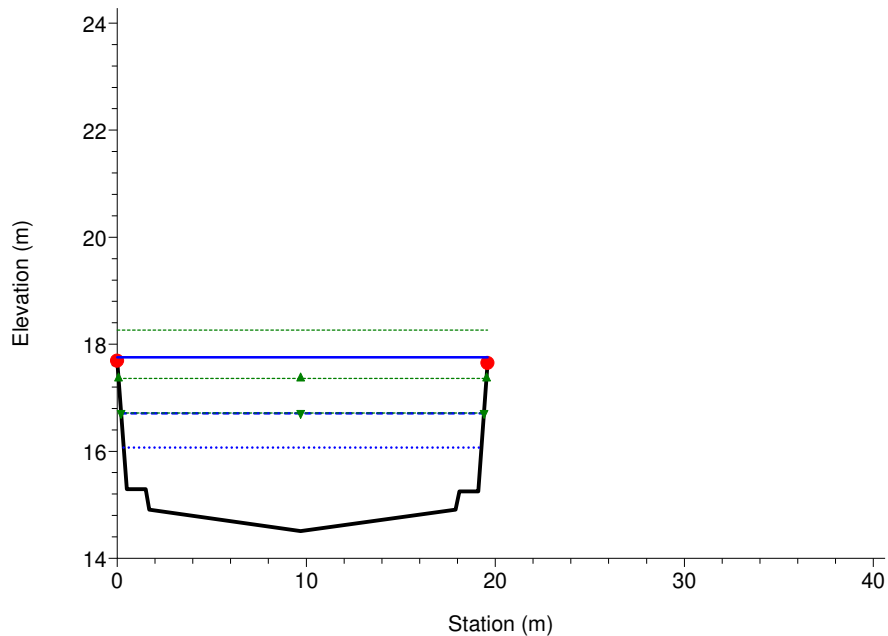
RS = 9 sez num 9 Rio Fontana



RS = 8 sez 8 Rio Fontana

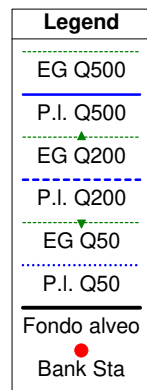
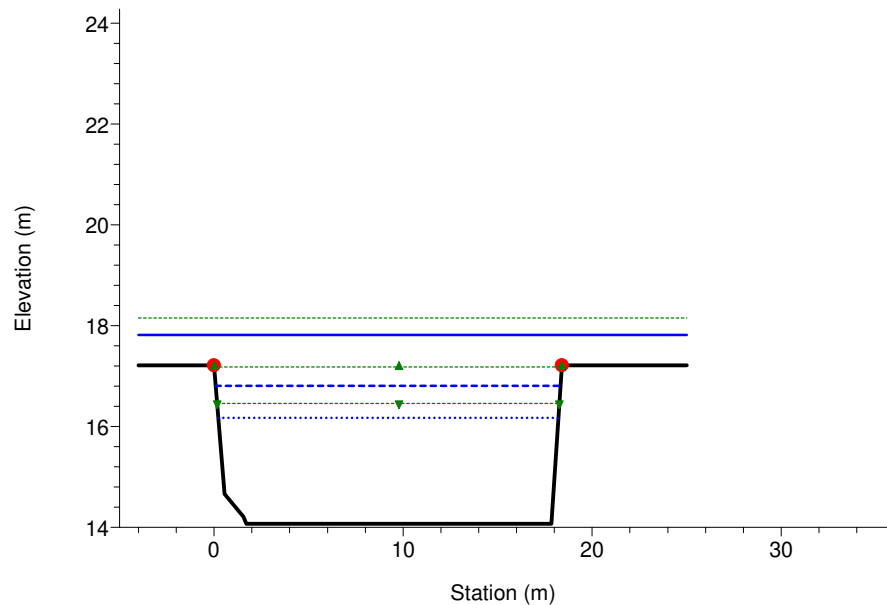


RS = 7 sez 7 Rio Fontana



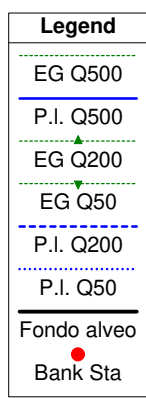
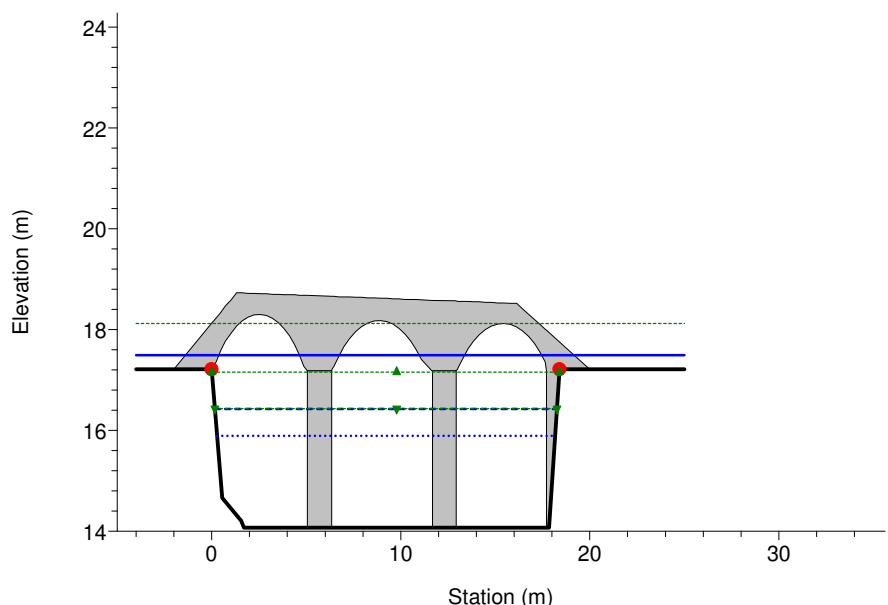
RS = 6.1 sez 6.1 a monte del ponte romano

Rio Fontana



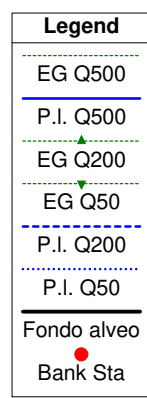
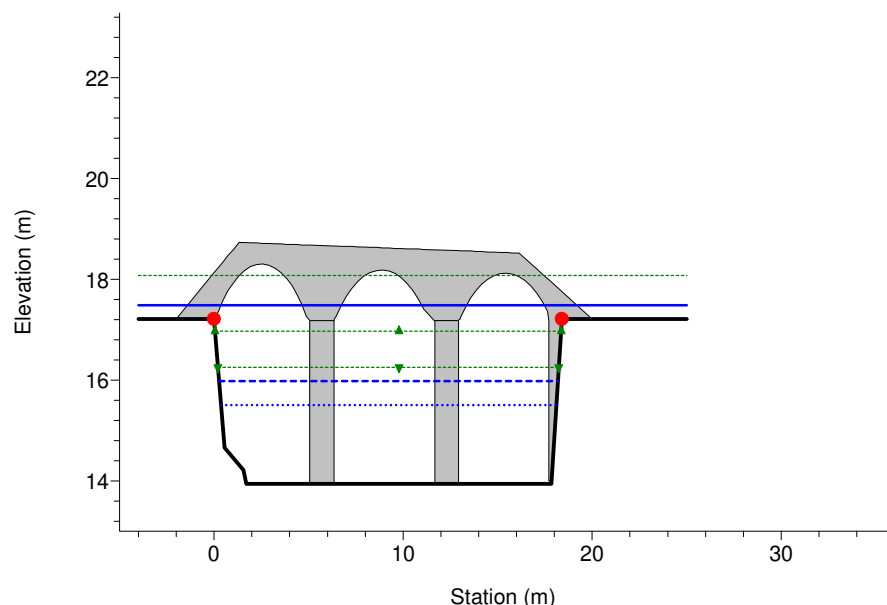
RS = 6.05 BR ponte 6.05

Rio Fontana

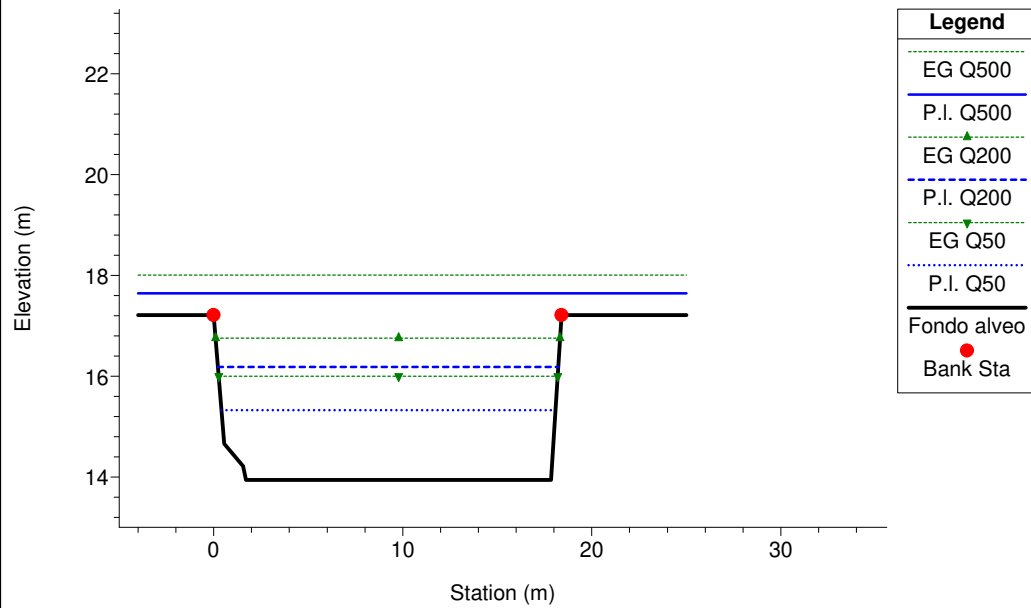


RS = 6.05 BR ponte 6.05

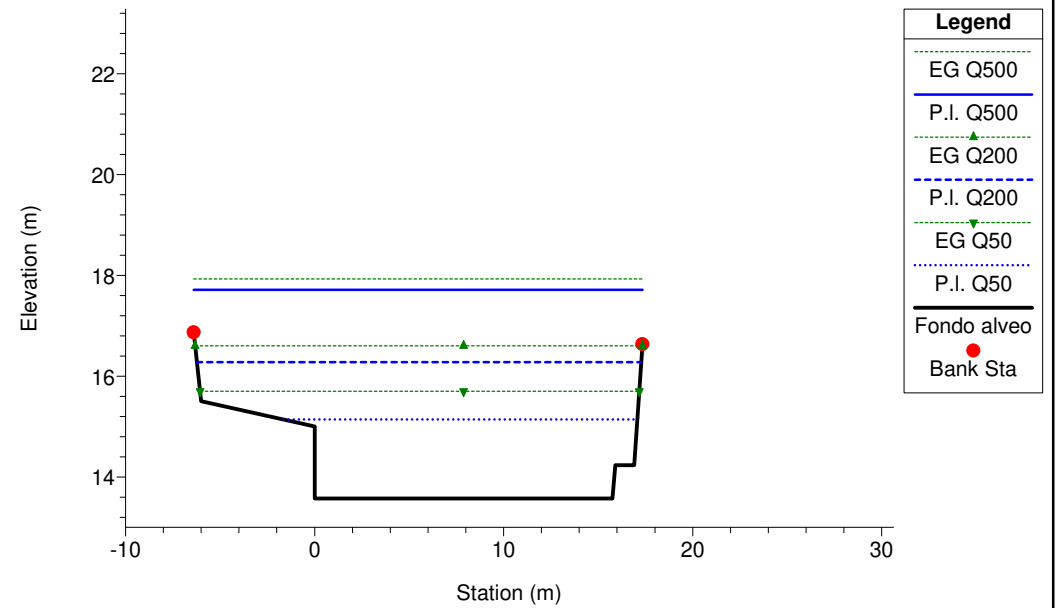
Rio Fontana



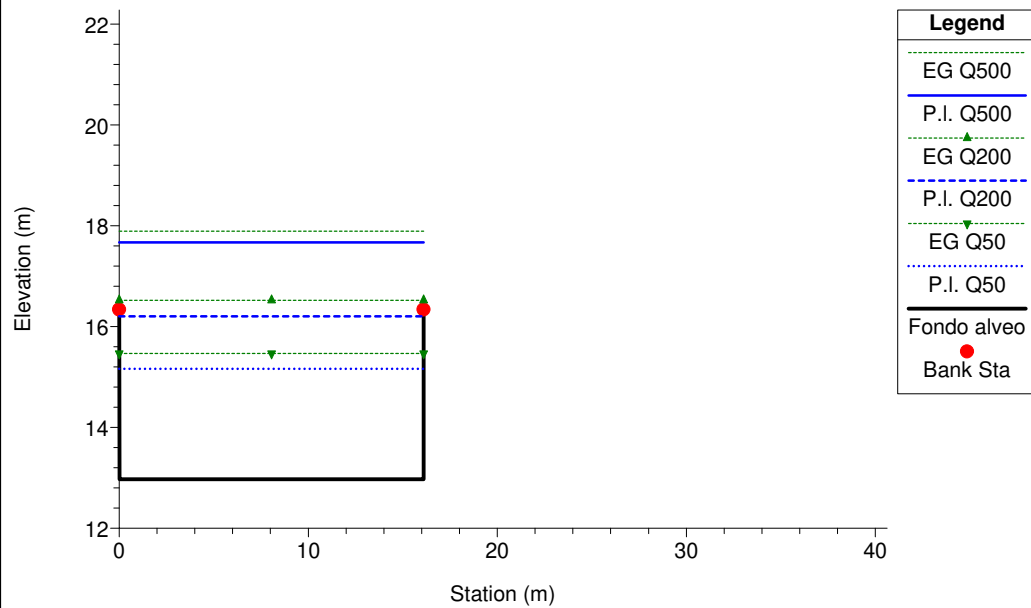
RS = 6 sez 6 a valle del ponte romano
Rio Fontana



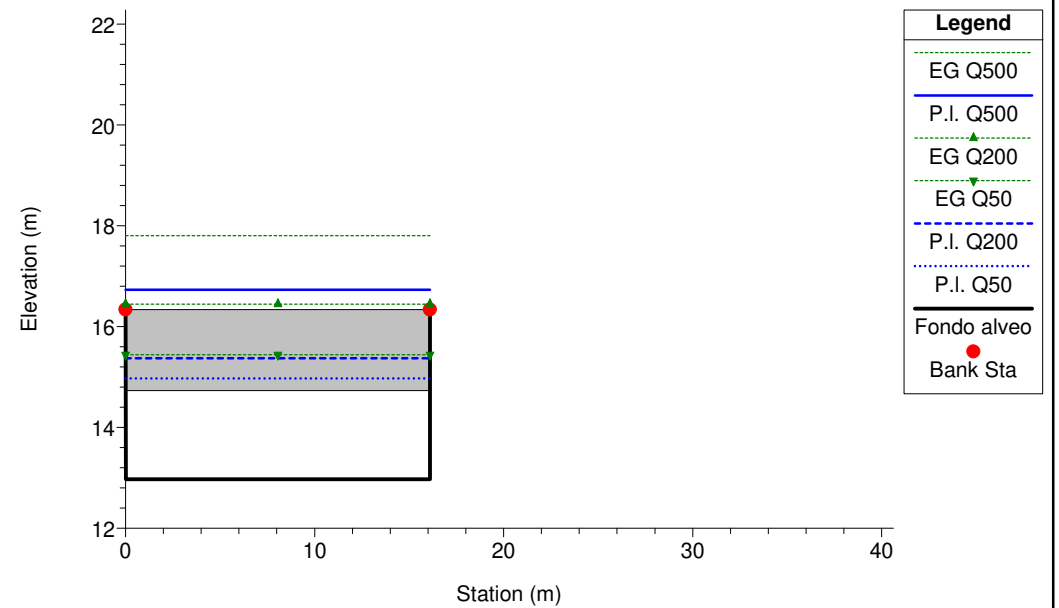
RS = 5 sez 5 controllare quote argini
Rio Fontana



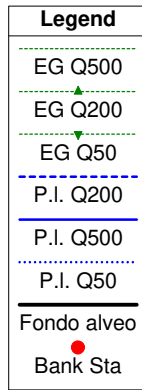
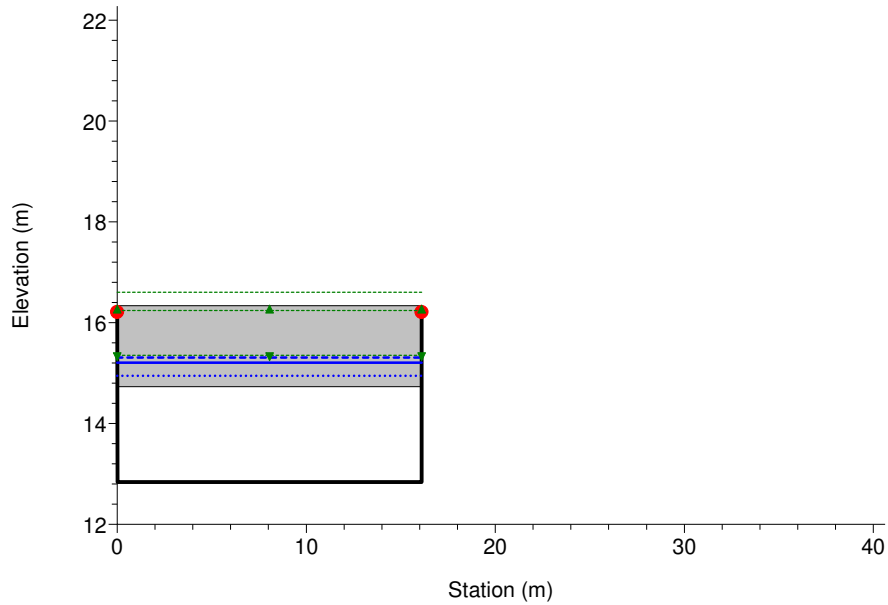
RS = 4.1 sez num 4.1 a monte del ponte
Rio Fontana



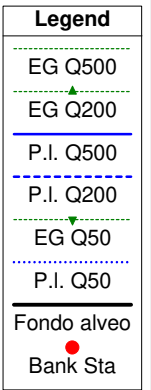
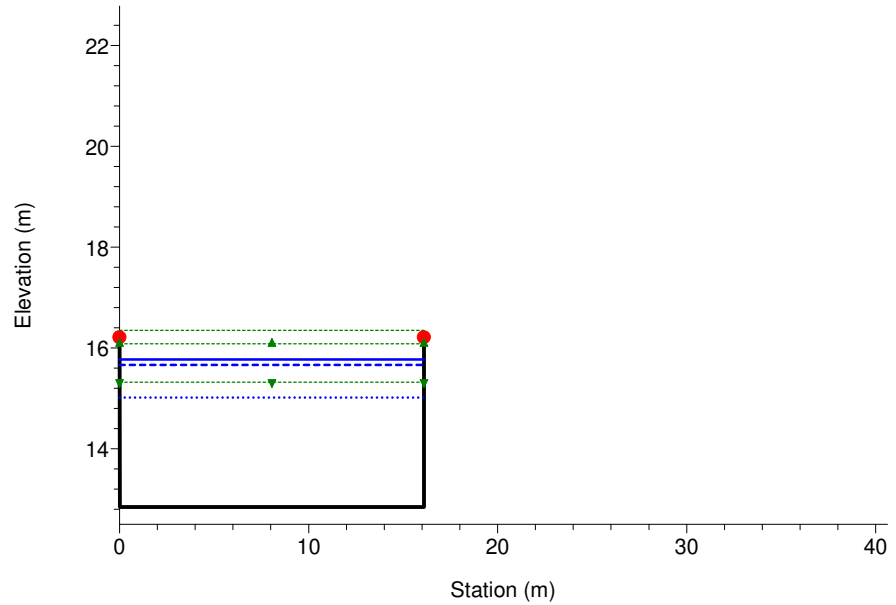
RS = 4.05 BR ponte 4.05
Rio Fontana



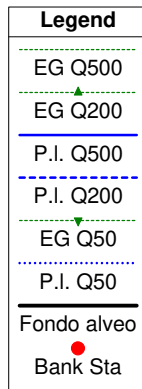
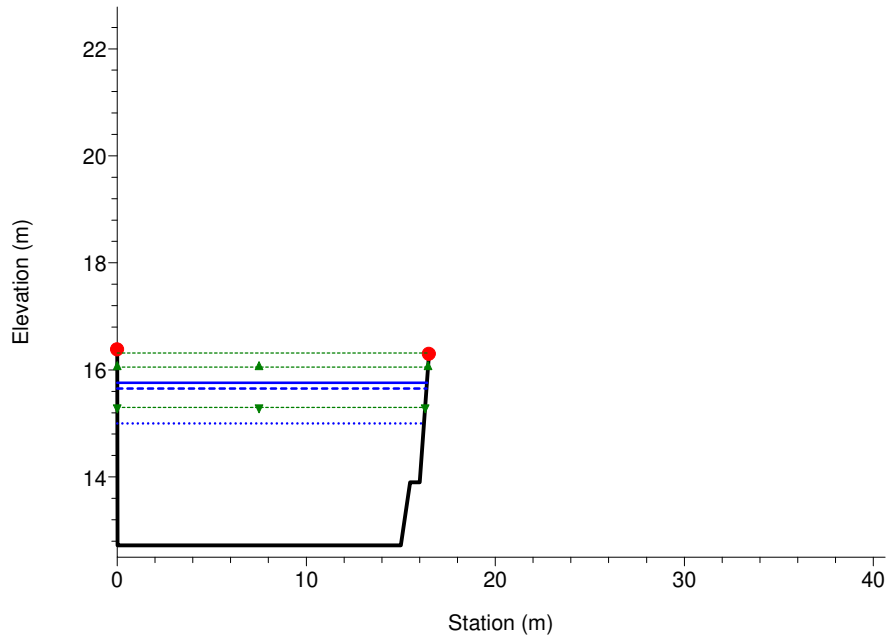
RS = 4.05 BR ponte 4.05
Rio Fontana



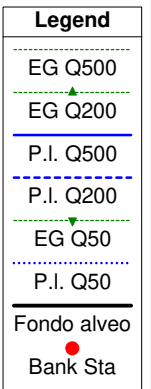
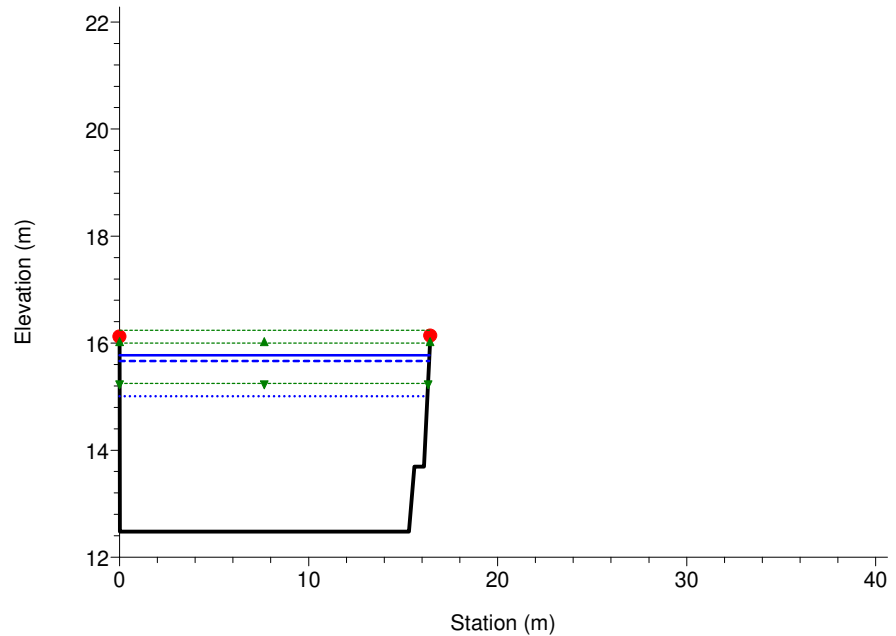
RS = 4 sez num 4 a valle del ponte
Rio Fontana



RS = 3 sez num 3 Rio Fontana

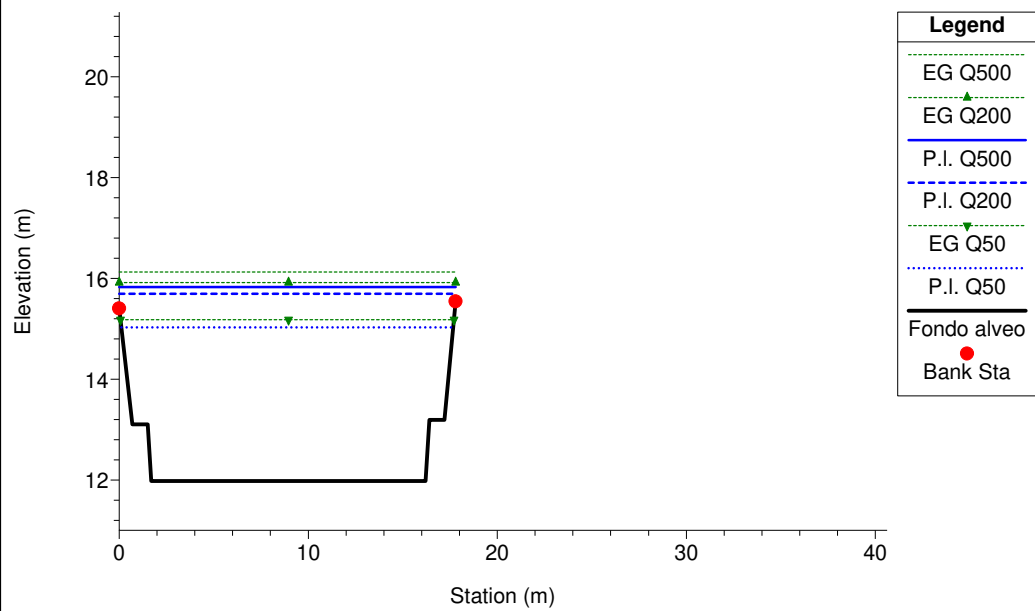


RS = 2 sez num 2 Rio Fontana

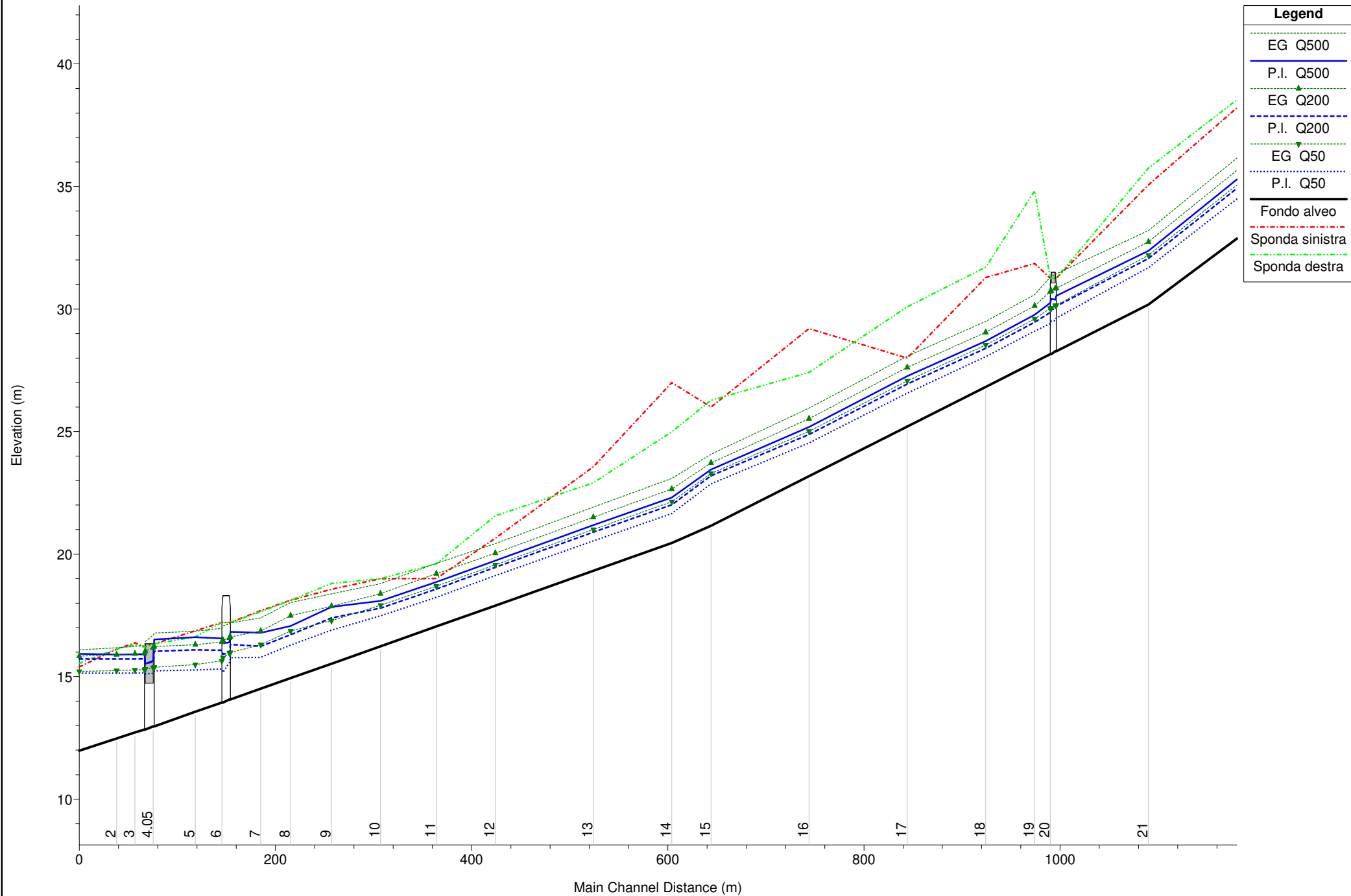


RS = 1 sez. num 1 (f1+f2)

Rio Fontana



Rio Ghiare



1 cm Horiz. = 50 m 1 cm Vert. = 2 m

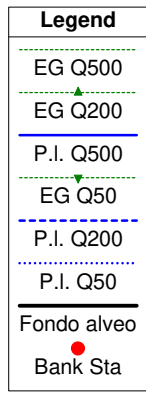
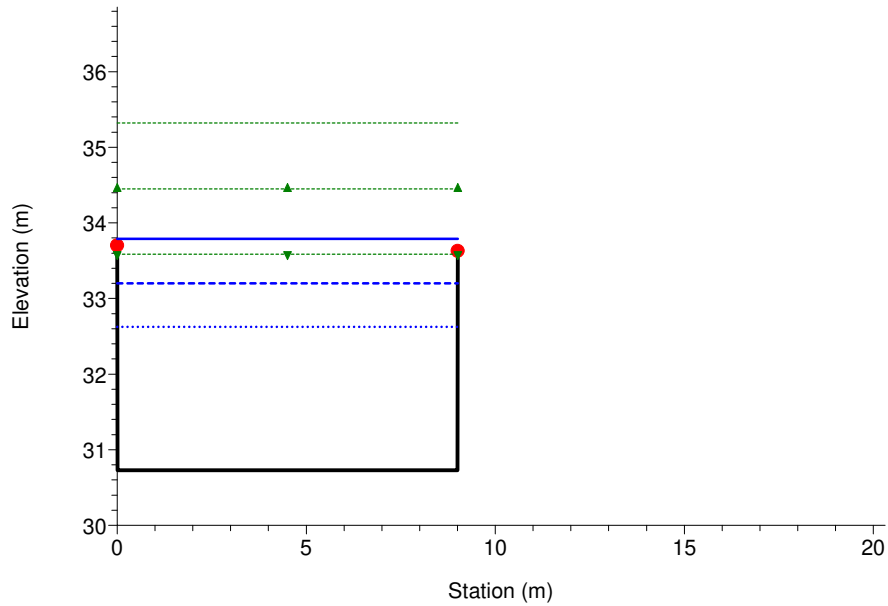
Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	31	Q500	131.00	1907.20	77.96	78.00	73.06	76.25	77.86	3.19	3.19	5.63	23.29	7.30	1.01
principale	31	Q200	96.00	1907.20	77.96	78.00	73.06	75.65	76.97	2.59	2.59	5.07	18.93	7.30	1.01
principale	31	Q50	60.00	1907.20	77.96	78.00	73.06	74.96	75.91	1.90	1.90	4.34	13.84	7.30	1.01
principale	30.1	Q500	131.00	1841.70	70.24	70.24	67.44	71.55	73.50	4.11	3.91	6.19	21.15	5.41	1.00
principale	30.1	Q200	96.00	1841.70	70.24	70.24	67.44	70.81	72.41	3.37	3.17	5.60	17.13	5.41	1.01
principale	30.1	Q50	60.00	1841.70	70.24	70.24	67.44	69.95	71.12	2.51	2.32	4.79	12.52	5.41	1.01
principale	30	Q500	131.00	1834.70	69.67	69.67	66.87	70.98	72.93	4.11	3.91	6.19	21.15	5.41	1.00
principale	30	Q200	96.00	1834.70	69.67	69.67	66.87	70.24	71.84	3.37	3.17	5.60	17.13	5.41	1.01
principale	30	Q50	60.00	1834.70	69.67	69.67	66.87	69.38	70.55	2.51	2.31	4.79	12.52	5.41	1.01
principale	29	Q500	131.00	1794.70	66.54	67.19	63.02	66.40	67.77	3.38	2.69	5.18	25.29	9.41	1.01
principale	29	Q200	96.00	1794.70	66.54	67.19	63.02	65.90	67.01	2.88	2.18	4.67	20.54	9.40	1.01
principale	29	Q50	60.00	1794.70	66.54	67.19	63.02	65.19	66.10	2.17	1.80	4.23	14.20	7.90	1.01
principale	28	Q500	131.00	1694.70	59.50	58.90	54.90	58.88	60.62	3.98	3.45	5.84	22.42	6.51	1.00
principale	28	Q200	96.00	1694.70	59.50	58.90	54.90	58.24	59.65	3.34	2.81	5.25	18.28	6.50	1.00
principale	28	Q50	60.00	1694.70	59.50	58.90	54.90	57.47	58.51	2.57	2.04	4.52	13.28	6.50	1.01
principale	27	Q500	131.00	1594.70	53.15	52.41	47.91	52.42	53.99	4.51	3.09	5.57	23.54	7.61	1.01
principale	27	Q200	96.00	1594.70	53.15	52.41	47.91	51.83	53.12	3.92	2.52	5.02	19.12	7.60	1.01
principale	27	Q50	60.00	1594.70	53.15	52.41	47.91	50.96	52.09	3.05	2.09	4.70	12.76	6.10	1.04
principale	26	Q500	131.00	1494.70	45.57	48.00	40.00	45.24	45.76	5.24	3.22	3.20	40.89	12.70	0.57
principale	26	Q200	96.00	1494.70	45.57	48.00	40.00	44.93	45.27	4.93	2.91	2.60	36.96	12.70	0.49
principale	26	Q50	60.00	1494.70	45.57	48.00	40.00	44.51	44.69	4.51	2.49	1.90	31.59	12.69	0.38
principale	25.1	Q500	131.00	1472.45	49.32	48.52	42.52	44.74	45.57	2.22	1.64	4.04	32.41	19.76	1.01
principale	25.1	Q200	96.00	1472.45	49.32	48.52	42.52	44.43	45.11	1.91	1.34	3.66	26.24	19.54	1.01
principale	25.1	Q50	60.00	1472.45	49.32	48.52	42.52	44.05	44.56	1.53	1.00	3.15	19.02	18.99	1.01
principale	25	Q500	131.00	1472.40	47.80	47.00	41.00	43.22	44.05	2.22	1.64	4.05	32.38	19.76	1.01
principale	25	Q200	96.00	1472.40	47.80	47.00	41.00	42.90	43.59	1.90	1.34	3.67	26.19	19.54	1.01
principale	25	Q50	60.00	1472.40	47.80	47.00	41.00	42.53	43.04	1.53	1.00	3.16	19.00	18.98	1.01
principale	24	Q500	131.00	1416.50	44.19	44.27	39.33	41.63	42.47	2.30	1.63	4.05	32.36	19.83	1.01
principale	24	Q200	96.00	1416.50	44.19	44.27	39.33	41.32	42.00	1.99	1.33	3.65	26.27	19.81	1.01
principale	24	Q50	60.00	1416.50	44.19	44.27	39.33	40.97	41.46	1.64	0.99	3.13	19.18	19.46	1.01
principale	23.1	Q500	131.00	1321.50	41.95	41.95	36.34	40.08	41.18	3.74	3.35	4.65	28.17	8.40	0.81
principale	23.1	Q200	96.00	1321.50	41.95	41.95	36.34	39.47	40.35	3.13	2.75	4.16	23.07	8.40	0.80
principale	23.1	Q50	60.00	1321.50	41.95	41.95	36.34	38.76	39.38	2.42	2.03	3.51	17.09	8.40	0.79
principale	23.05		Bridge												
principale	23	Q500	131.00	1316.50	41.95	41.95	36.34	39.63	41.09	3.29	2.90	5.37	24.40	8.40	1.01
principale	23	Q200	96.00	1316.50	41.95	41.95	36.34	39.08	40.28	2.74	2.36	4.84	19.82	8.40	1.01
principale	23	Q50	60.00	1316.50	41.95	41.95	36.34	38.44	39.32	2.10	1.72	4.15	14.47	8.40	1.01

Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	22	Q500	131.00	1223.00	39.00	39.24	33.55	36.02	36.91	2.47	1.77	4.18	31.35	17.76	1.00
principale	22	Q200	96.00	1223.00	39.00	39.24	33.55	35.65	36.40	2.10	1.49	3.85	24.96	16.72	1.00
principale	22	Q50	60.00	1223.00	39.00	39.24	33.55	35.20	35.78	1.65	1.15	3.38	17.74	15.44	1.01
principale	21	Q500	131.00	1110.00	35.07	35.75	30.18	32.37	33.21	2.19	1.63	4.04	32.44	19.92	1.01
principale	21	Q200	96.00	1110.00	35.07	35.75	30.18	32.06	32.74	1.88	1.34	3.66	26.20	19.56	1.01
principale	21	Q50	60.00	1110.00	35.07	35.75	30.18	31.69	32.19	1.51	1.00	3.15	19.06	19.14	1.01
principale	20.1	Q500	131.00	1016.00	31.26	31.26	28.28	30.53	31.44	2.25	2.25	4.21	31.10	13.81	0.90
principale	20.1	Q200	96.00	1016.00	31.26	31.26	28.28	30.11	30.85	1.83	1.83	3.80	25.29	13.80	0.90
principale	20.1	Q50	60.00	1016.00	31.26	31.26	28.28	29.63	30.16	1.35	1.35	3.21	18.68	13.80	0.88
principale	20.05		Bridge												
principale	20	Q500	131.00	1010.00	31.26	31.26	28.16	30.25	31.30	2.09	2.09	4.55	28.81	13.80	1.00
principale	20	Q200	96.00	1010.00	31.26	31.26	28.16	29.86	30.71	1.70	1.70	4.10	23.40	13.80	1.01
principale	20	Q50	60.00	1010.00	31.26	31.26	28.16	29.40	30.03	1.24	1.24	3.50	17.14	13.80	1.00
principale	19	Q500	131.00	994.10	31.86	34.82	27.84	29.76	30.59	1.92	1.63	4.03	32.54	20.00	1.01
principale	19	Q200	96.00	994.10	31.86	34.82	27.84	29.46	30.13	1.62	1.32	3.63	26.44	19.99	1.01
principale	19	Q50	60.00	994.10	31.86	34.82	27.84	29.10	29.59	1.26	0.97	3.11	19.31	19.99	1.01
principale	18	Q500	131.00	944.10	31.28	31.71	26.82	28.69	29.49	1.87	1.57	3.96	33.06	20.99	1.01
principale	18	Q200	96.00	944.10	31.28	31.71	26.82	28.40	29.05	1.58	1.28	3.57	26.86	20.99	1.01
principale	18	Q50	60.00	944.10	31.28	31.71	26.82	28.05	28.53	1.23	0.94	3.06	19.63	20.99	1.01
principale	17	Q500	131.00	864.10	28.00	30.09	25.20	27.26	28.08	2.06	1.61	4.01	32.68	20.28	1.01
principale	17	Q200	96.00	864.10	28.00	30.09	25.20	26.94	27.62	1.74	1.33	3.65	26.31	19.72	1.01
principale	17	Q50	60.00	864.10	28.00	30.09	25.20	26.56	27.07	1.36	1.00	3.15	19.05	19.05	1.01
principale	16	Q500	131.00	764.10	29.20	27.41	23.18	25.19	25.96	2.01	1.53	3.90	33.63	21.94	1.00
principale	16	Q200	96.00	764.10	29.20	27.41	23.18	24.88	25.53	1.70	1.26	3.55	27.04	21.49	1.01
principale	16	Q50	60.00	764.10	29.20	27.41	23.18	24.54	25.01	1.36	0.93	3.06	19.64	21.14	1.01
principale	15	Q500	131.00	664.10	26.00	26.28	21.16	23.45	24.08	2.29	1.26	3.52	37.22	29.57	1.00
principale	15	Q200	96.00	664.10	26.00	26.28	21.16	23.19	23.72	2.03	1.03	3.23	29.76	28.91	1.01
principale	15	Q50	60.00	664.10	26.00	26.28	21.16	22.86	23.29	1.70	0.84	2.90	20.69	24.57	1.01
principale	14	Q500	131.00	624.10	27.00	24.99	20.45	22.31	23.09	1.86	1.54	3.92	33.46	21.71	1.01
principale	14	Q200	96.00	624.10	27.00	24.99	20.45	22.01	22.65	1.56	1.26	3.56	26.99	21.33	1.01
principale	14	Q50	60.00	624.10	27.00	24.99	20.45	21.66	22.14	1.21	0.94	3.07	19.55	20.89	1.01
principale	13	Q500	131.00	544.10	23.56	22.91	19.32	21.18	21.92	1.86	1.46	3.81	34.36	23.52	1.01
principale	13	Q200	96.00	544.10	23.56	22.91	19.32	20.89	21.51	1.57	1.22	3.47	27.65	22.71	1.00
principale	13	Q50	60.00	544.10	23.56	22.91	19.32	20.54	21.01	1.22	0.91	3.02	19.87	21.73	1.01
principale	12	Q500	131.00	444.10	20.65	21.56	17.90	19.73	20.43	1.83	1.39	3.70	35.37	25.53	1.00
principale	12	Q200	96.00	444.10	20.65	21.56	17.90	19.46	20.04	1.56	1.14	3.37	28.51	25.02	1.01

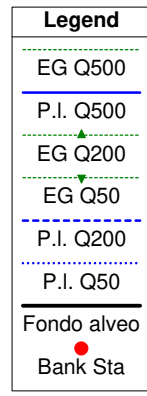
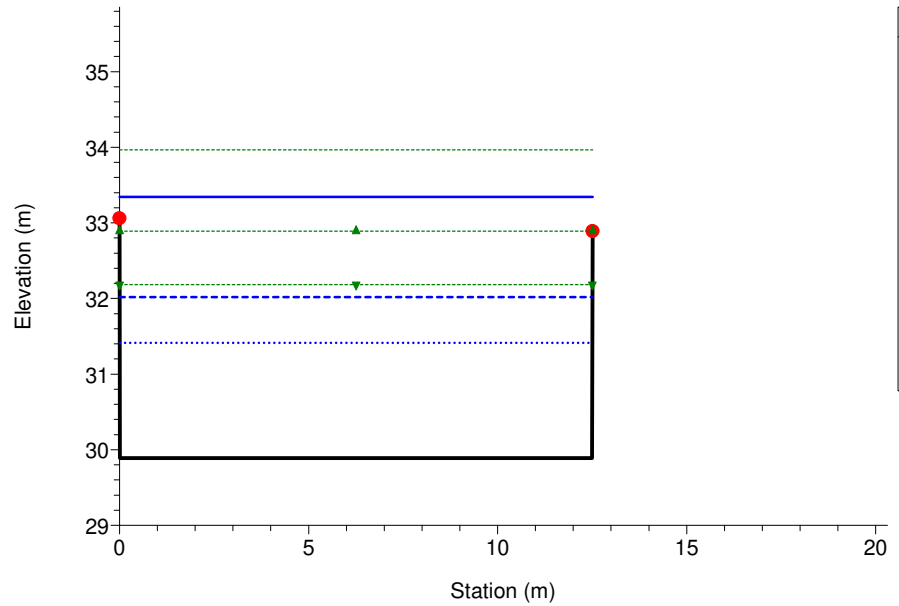
HEC-RAS Plan: ghiare-0.033 River: RAMO FONTANA Reach: principale (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Cum Ch Len (m)	LOB Elev (m)	ROB Elev (m)	Min Ch El (m)	W.S. Elev (m)	E.G. Elev (m)	Max Chl Dpth (m)	Hydr Depth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
principale	4	Q500	128.29	86.40	16.21	16.21	12.84	15.92	16.26	3.08	3.08	2.59	49.56	16.11	0.47
principale	4	Q200	96.00	86.40	16.21	16.21	12.84	15.73	15.95	2.89	2.89	2.06	46.55	16.11	0.39
principale	4	Q50	60.00	86.40	16.21	16.21	12.84	15.16	15.29	2.32	2.31	1.61	37.28	16.10	0.34
principale	3.992		Lat Struct												
principale	3.991		Lat Struct												
principale	3	Q500	128.29	76.80	16.38	16.30	12.72	15.90	16.23	3.18	3.07	2.54	50.46	16.42	0.46
principale	3	Q200	96.00	76.80	16.38	16.30	12.72	15.72	15.93	3.00	2.90	2.02	47.48	16.38	0.38
principale	3	Q50	60.00	76.80	16.38	16.30	12.72	15.15	15.27	2.43	2.34	1.57	38.11	16.26	0.33
principale	2.992		Lat Struct												
principale	2.991		Lat Struct												
principale	2	Q500	128.29	58.20	16.12	16.14	12.48	15.90	16.18	3.42	3.33	2.35	54.59	16.41	0.41
principale	2	Q200	96.00	58.20	16.12	16.14	12.48	15.72	15.89	3.24	3.15	1.86	51.63	16.39	0.33
principale	2	Q50	60.00	58.20	16.12	16.14	12.48	15.15	15.25	2.67	2.59	1.42	42.27	16.31	0.28
principale	1.992		Lat Struct												
principale	1.991		Lat Struct												
principale	1	Q500	117.74	20.00	15.40	15.54	11.98	15.93	16.10	3.95	3.66	1.81	65.18	17.80	0.30
principale	1	Q200	93.33	20.00	15.40	15.54	11.98	15.72	15.84	3.74	3.46	1.52	61.54	17.80	0.26
principale	1	Q50	60.00	20.00	15.40	15.54	11.98	15.14	15.21	3.16	2.91	1.17	51.23	17.62	0.22

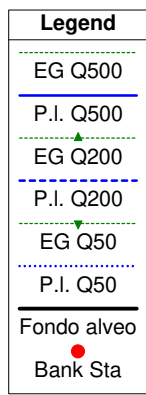
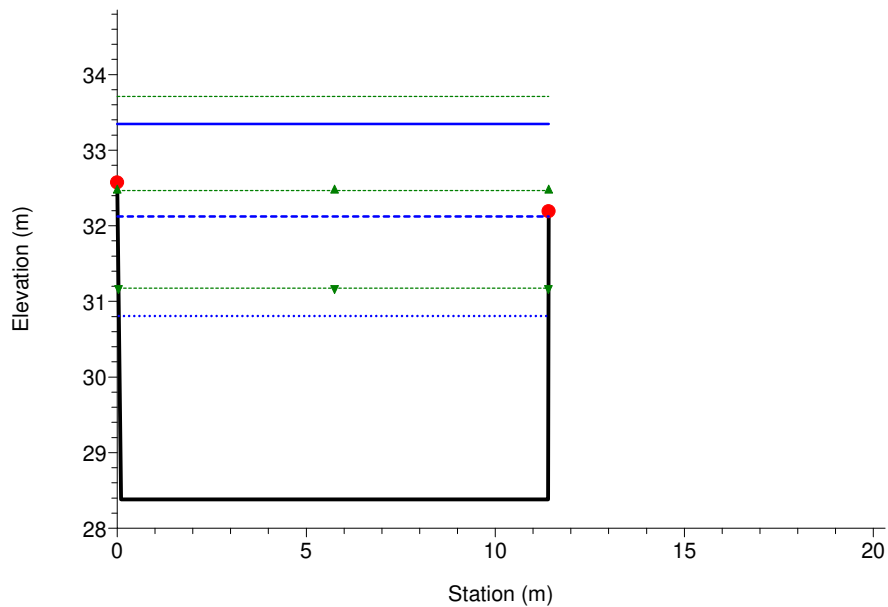
RS = 33 sez num 33 (g2+g3+g4+g5)
Rio Ghiare



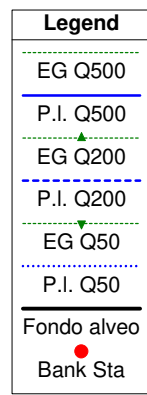
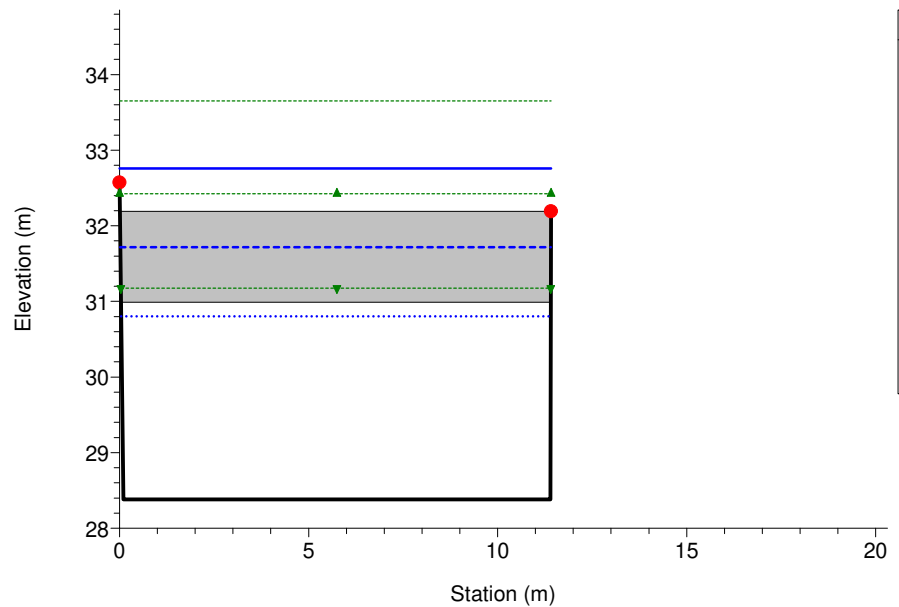
RS = 32 sez num 32
Rio Ghiare



RS = 31.1 sez num 31.1 a monte del ponte
Rio Ghiare

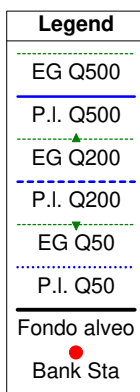
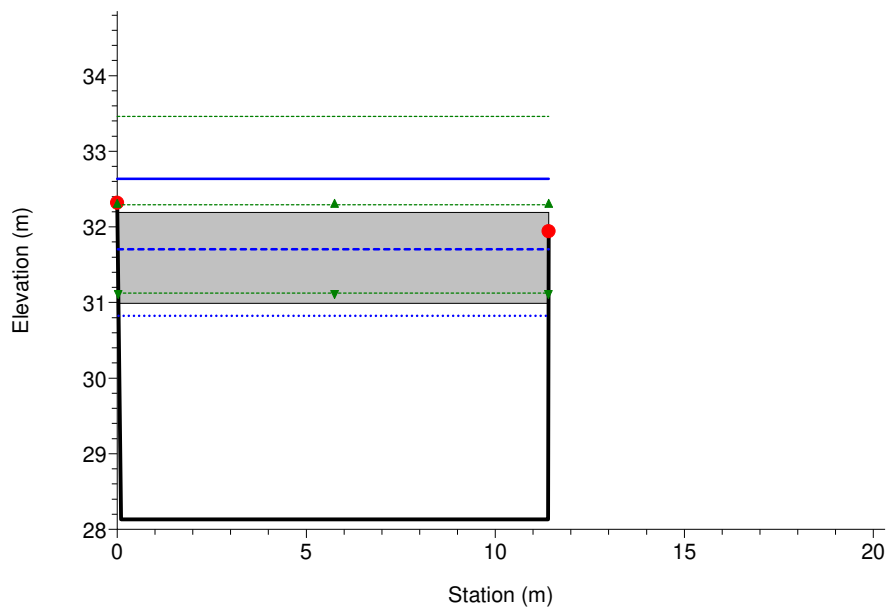


RS = 31.05 BR ponte 31.05
Rio Ghiare



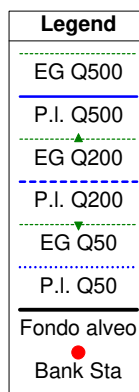
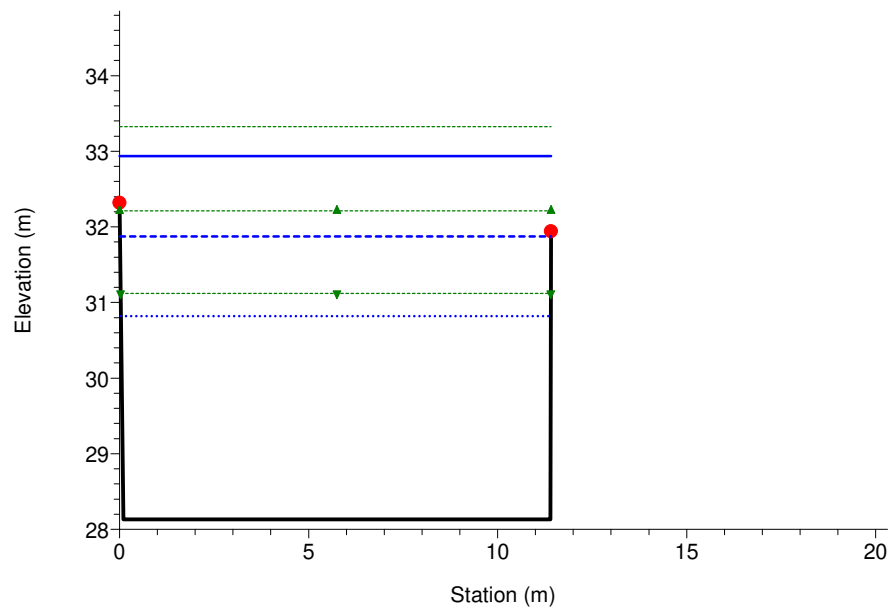
RS = 31.05 BR ponte 31.05

Rio Ghiare



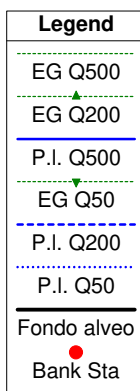
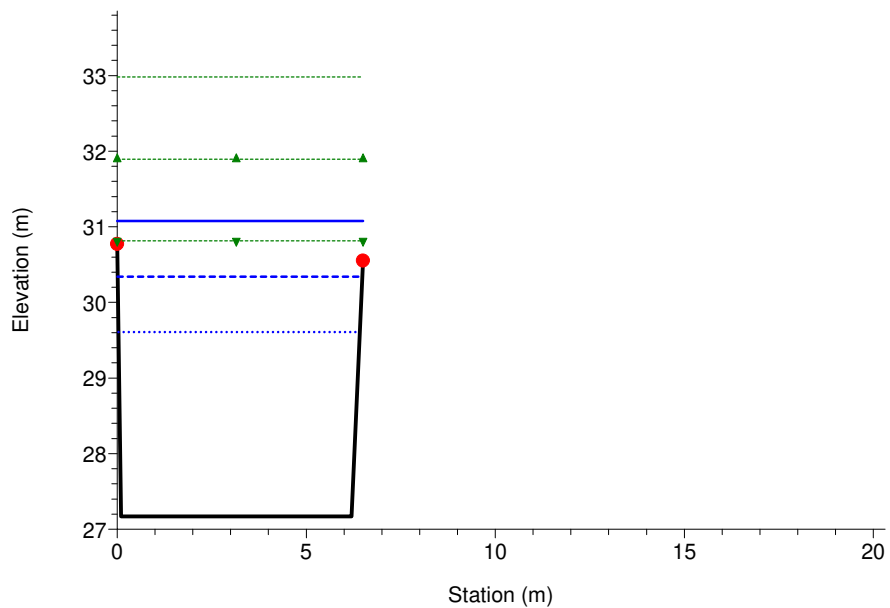
RS = 31 sez num 31 a valle del ponte iimissione q=124

Rio Ghiare



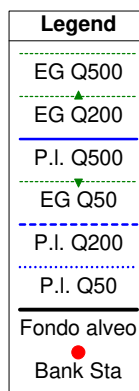
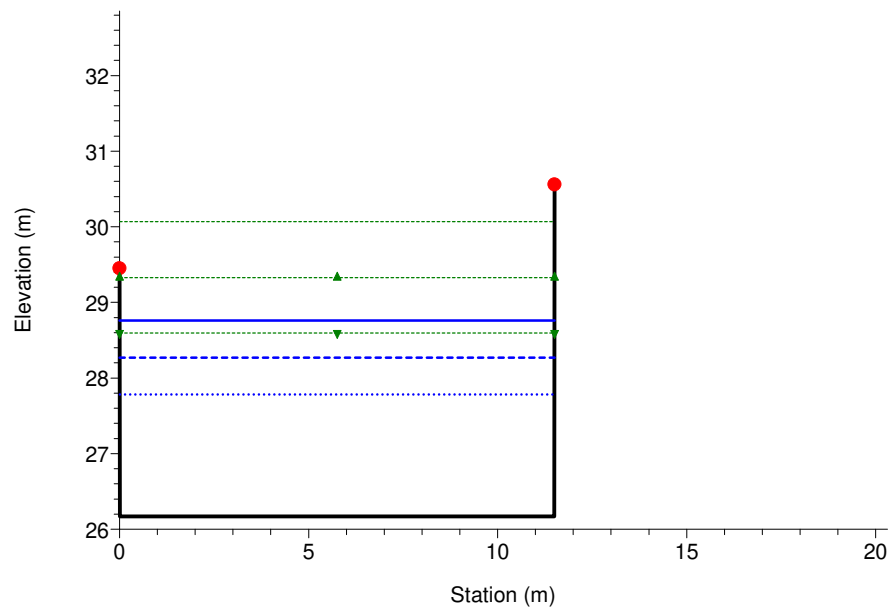
RS = 30 sez num 30

Rio Ghiare

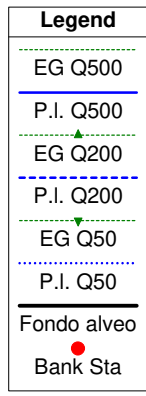
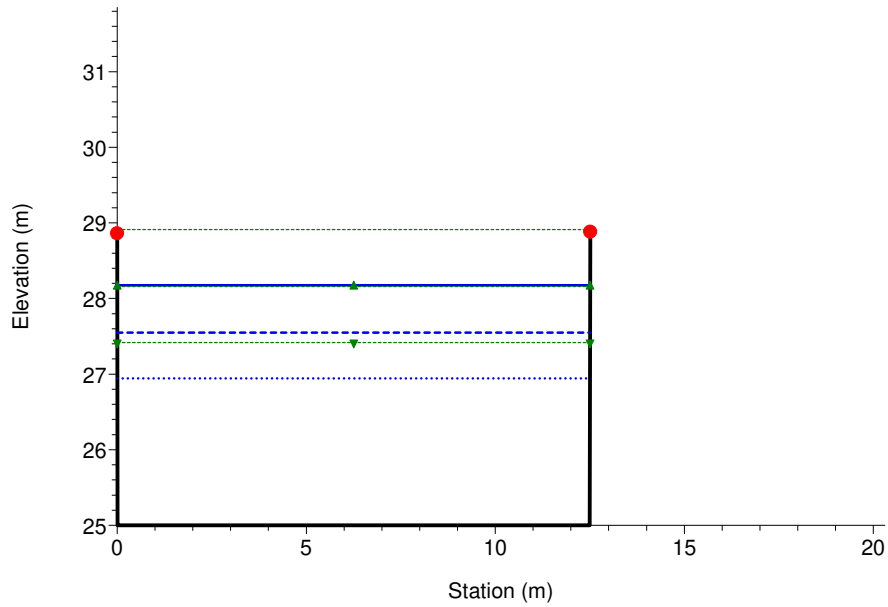


RS = 29 sez. num 29

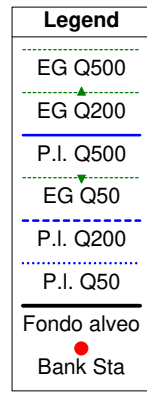
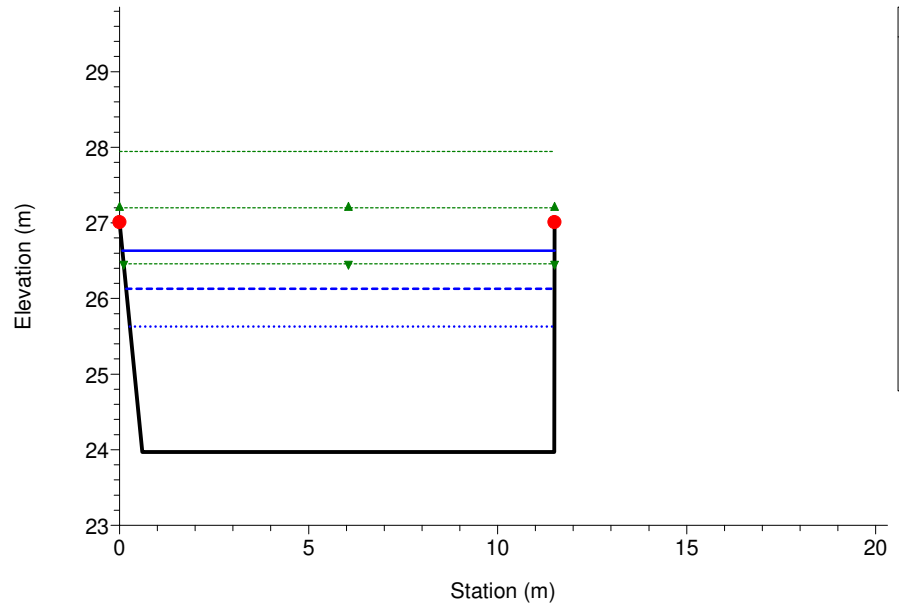
Rio Ghiare



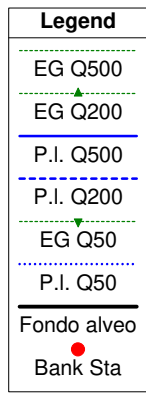
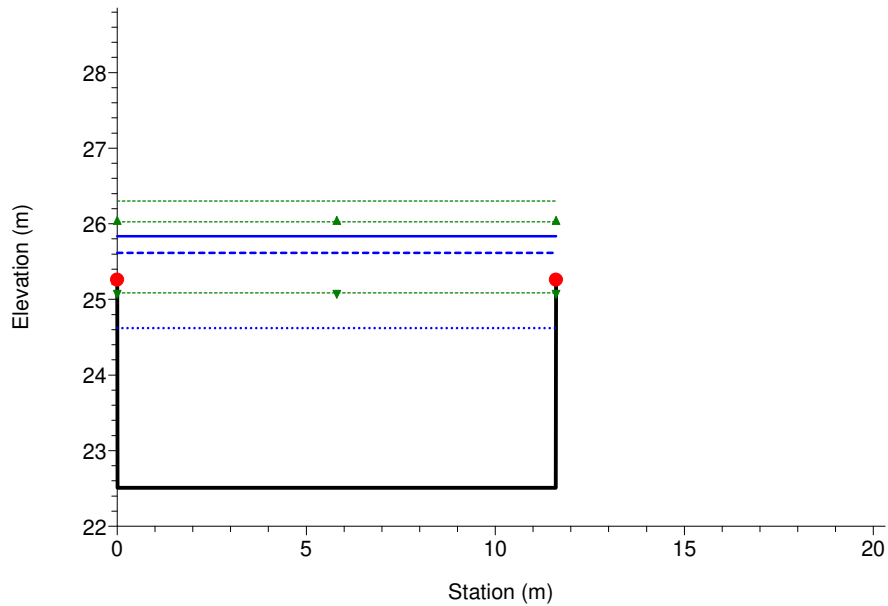
RS = 28 sez num 28
Rio Ghiare



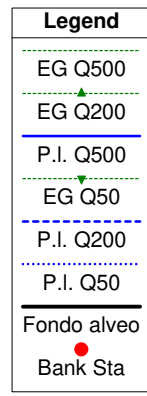
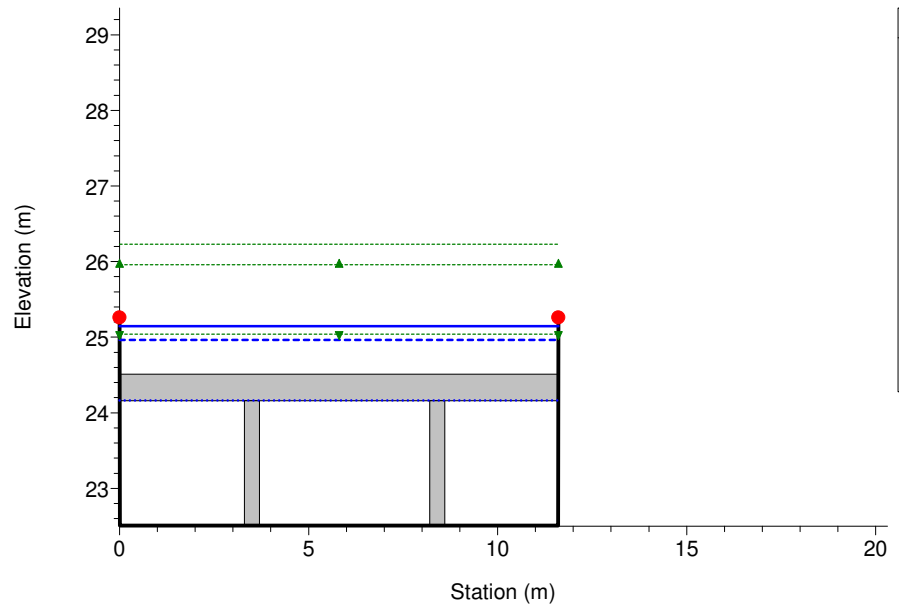
RS = 27 sez num 27
Rio Ghiare



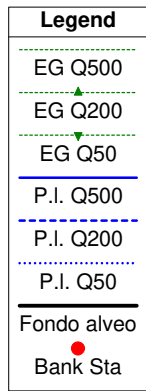
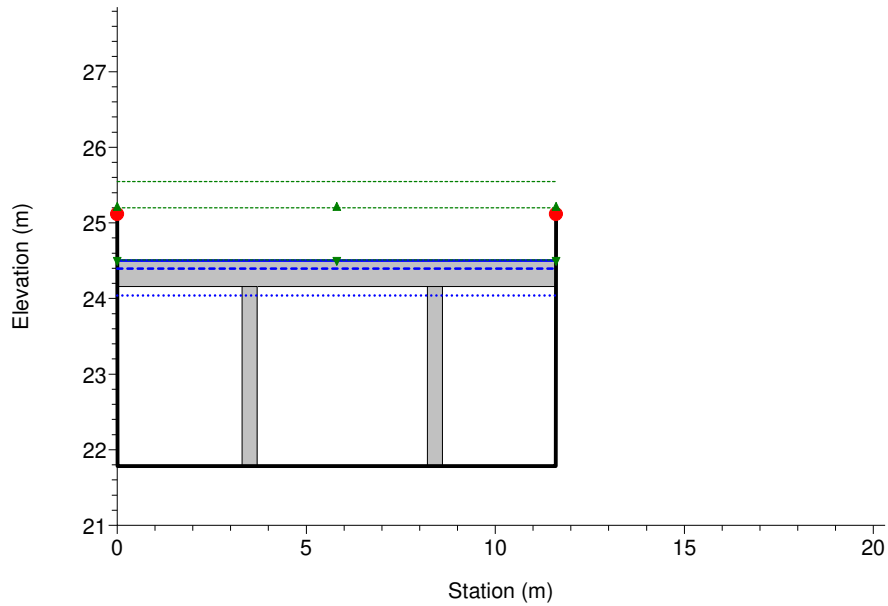
RS = 26.1 sez num 26.1
Rio Ghiare



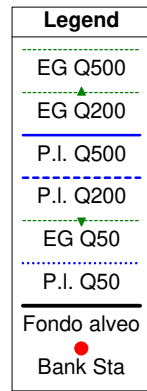
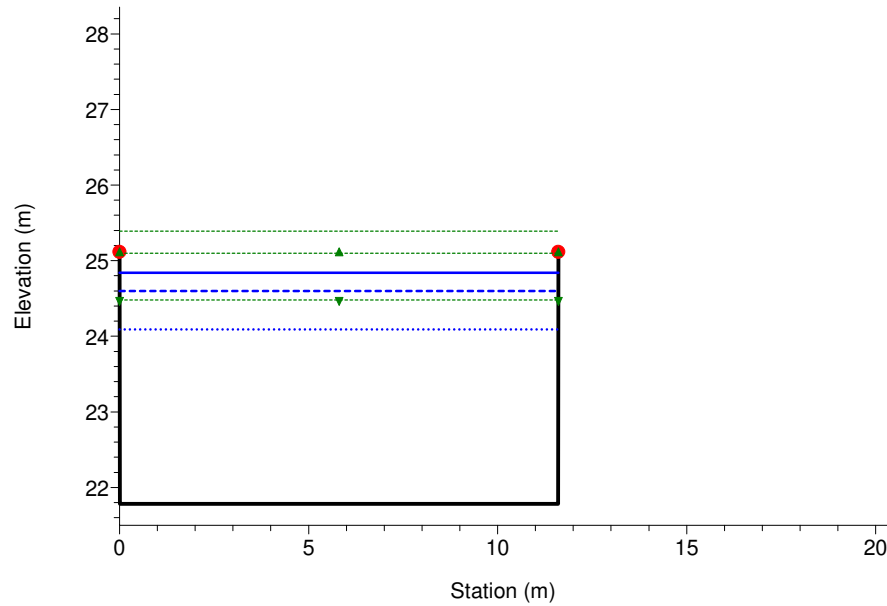
RS = 26.05 BR
Rio Ghiare



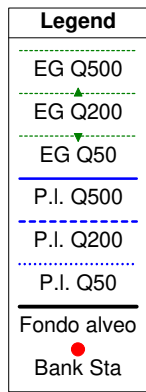
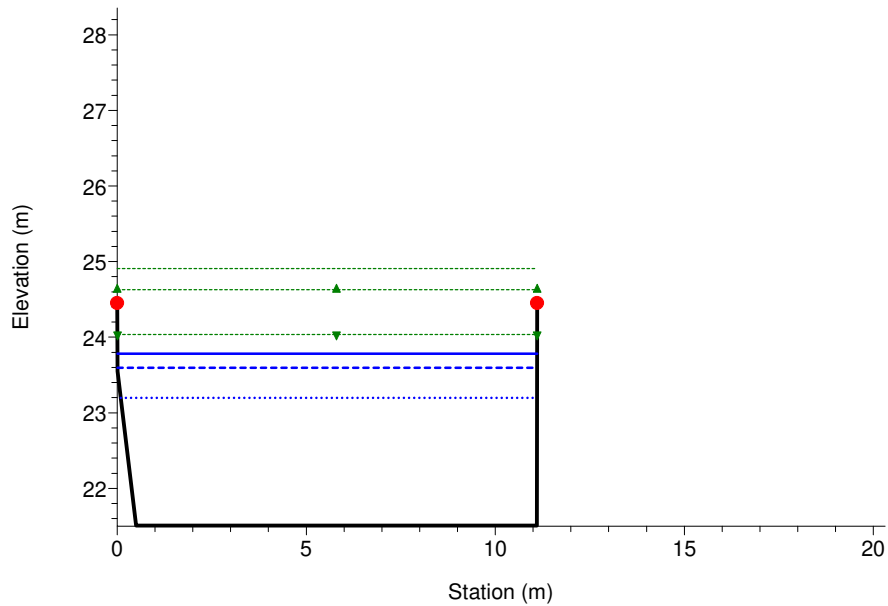
RS = 26.05 BR
Rio Ghiare



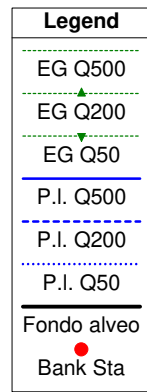
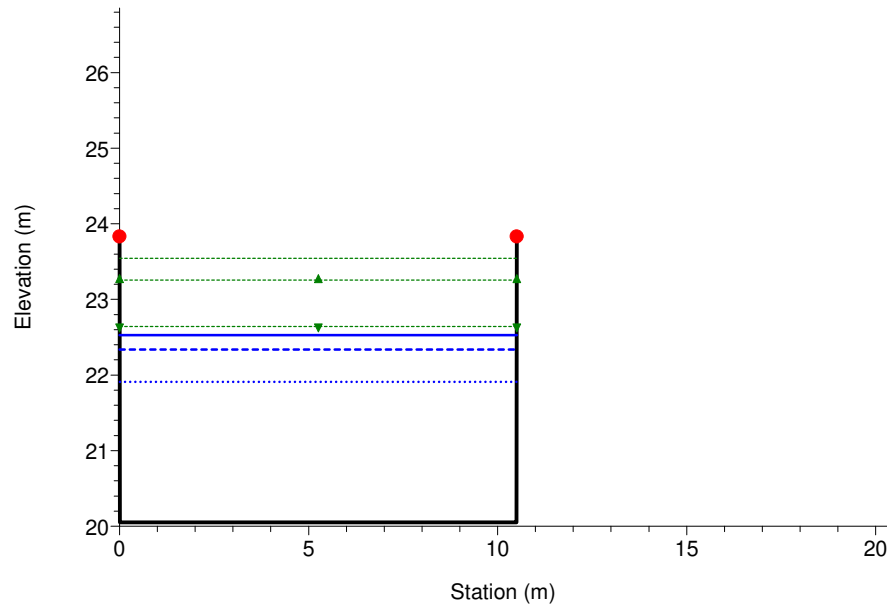
RS = 26 sez num 26 immissione q=13
Rio Ghiare



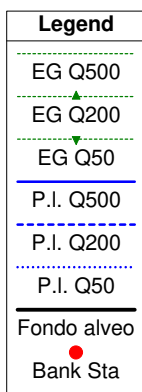
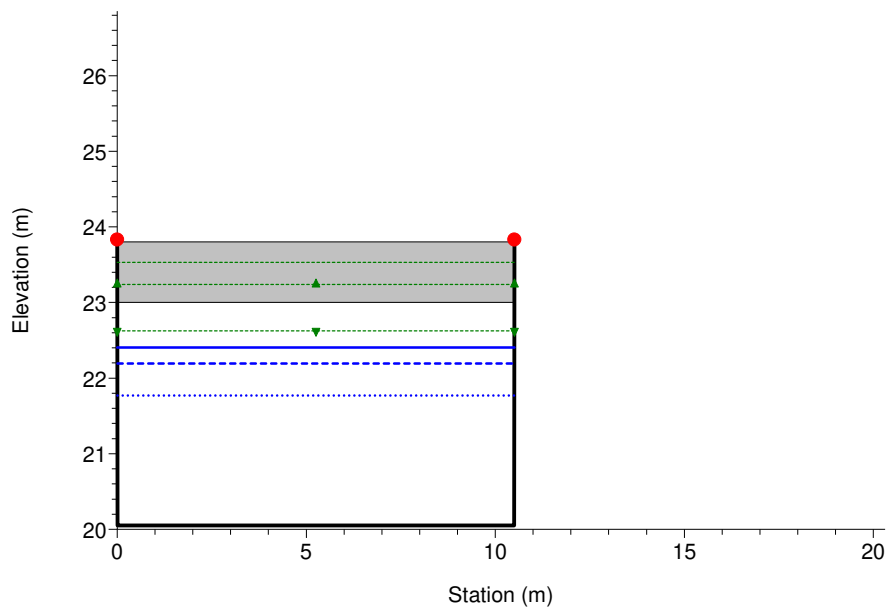
RS = 25 sez num 25
Rio Ghiare



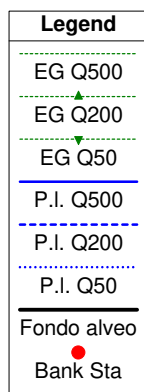
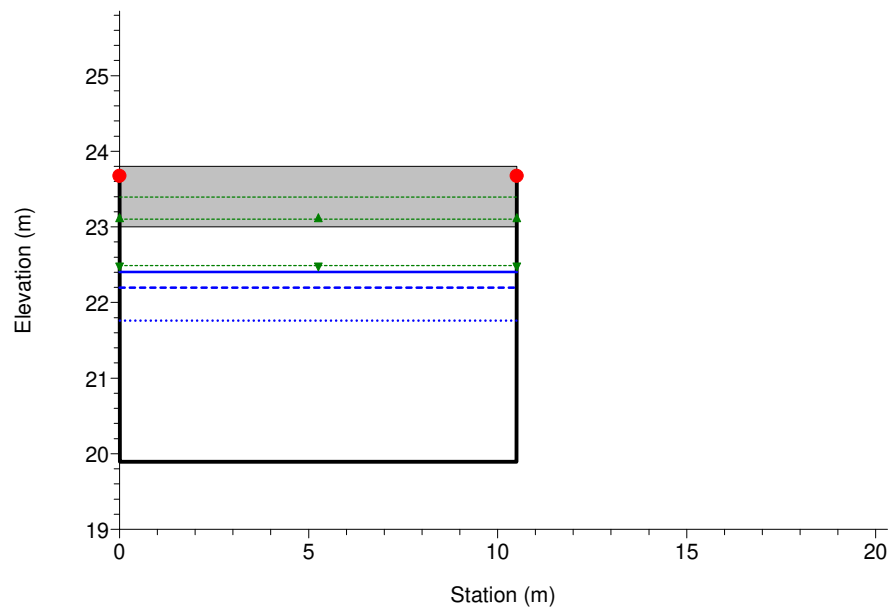
RS = 24.1 sez. num 24.1 a monte del ponte
Rio Ghiare



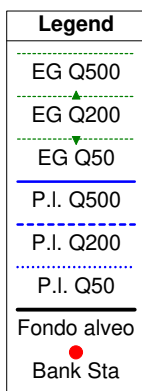
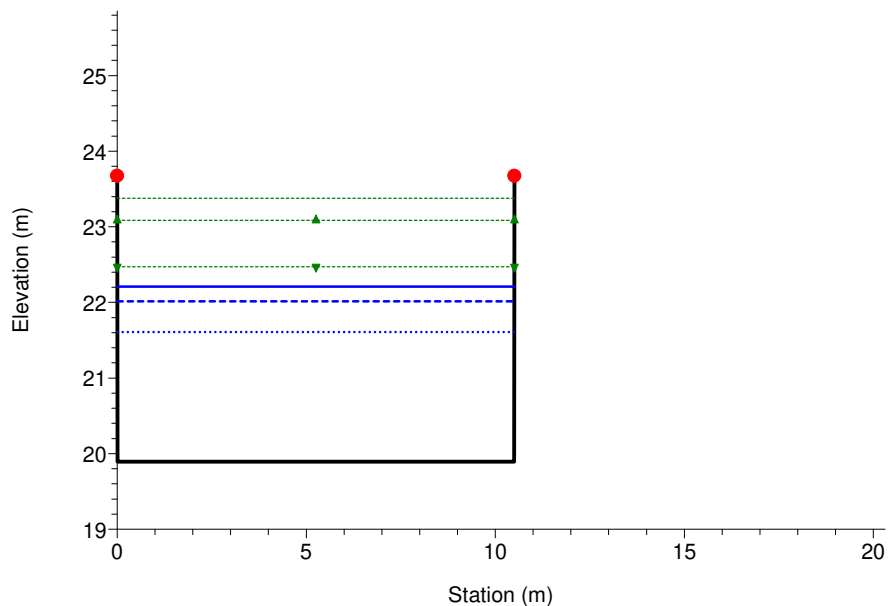
RS = 24.05 BR ponte 24.05
Rio Ghiare



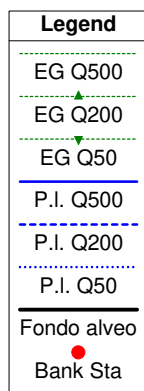
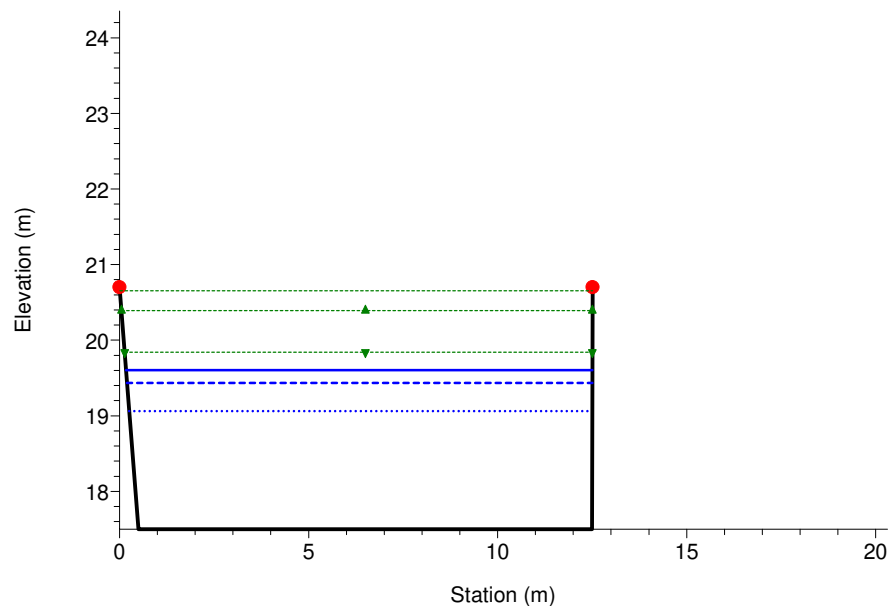
RS = 24.05 BR ponte 24.05
Rio Ghiare



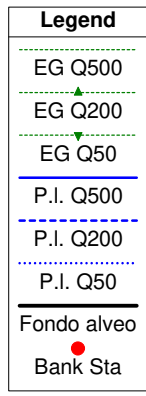
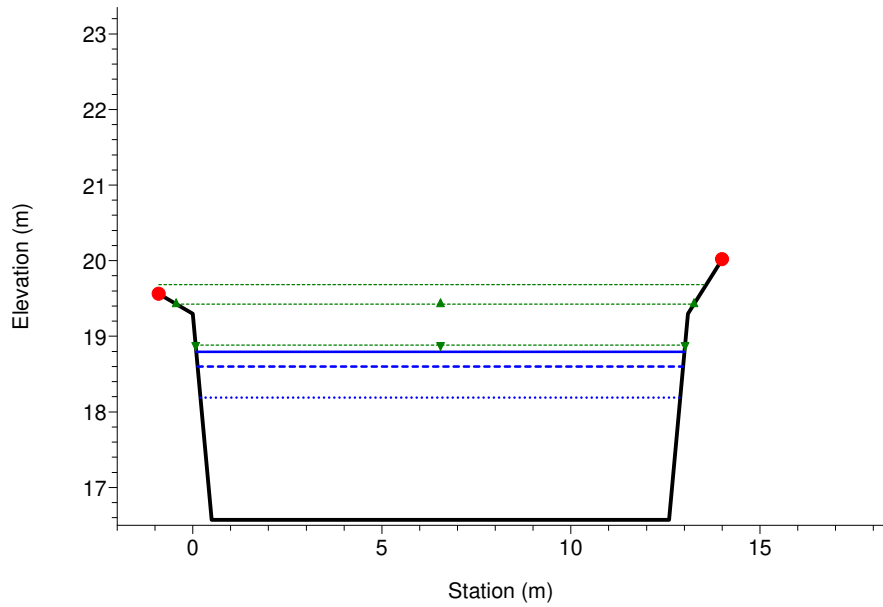
RS = 24 sez. num 24 a valle
Rio Ghiare



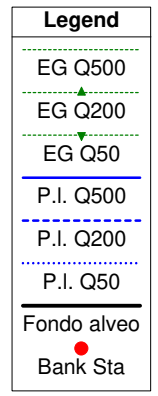
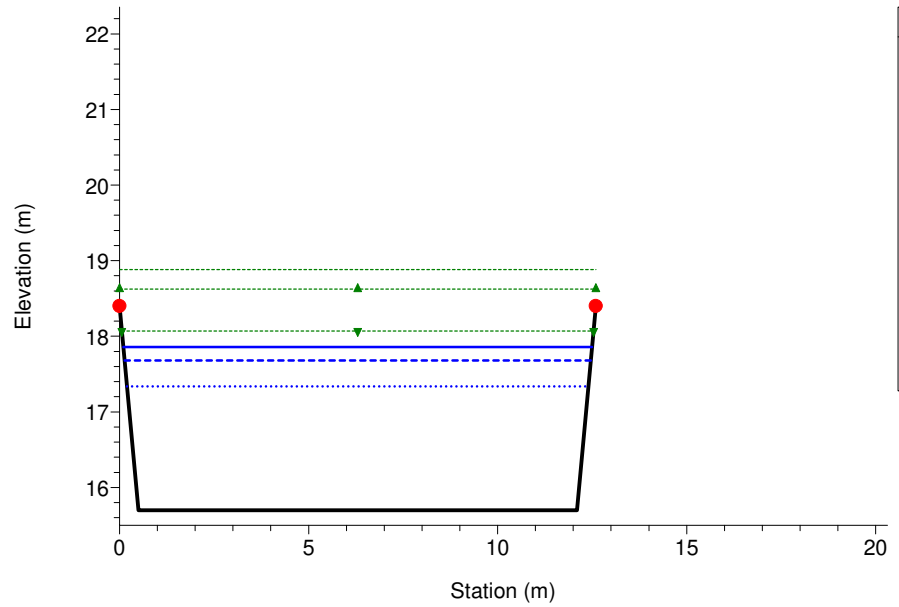
RS = 22 sez. num 22 immissione q=133
Rio Ghiare



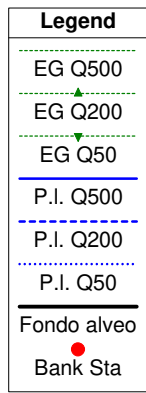
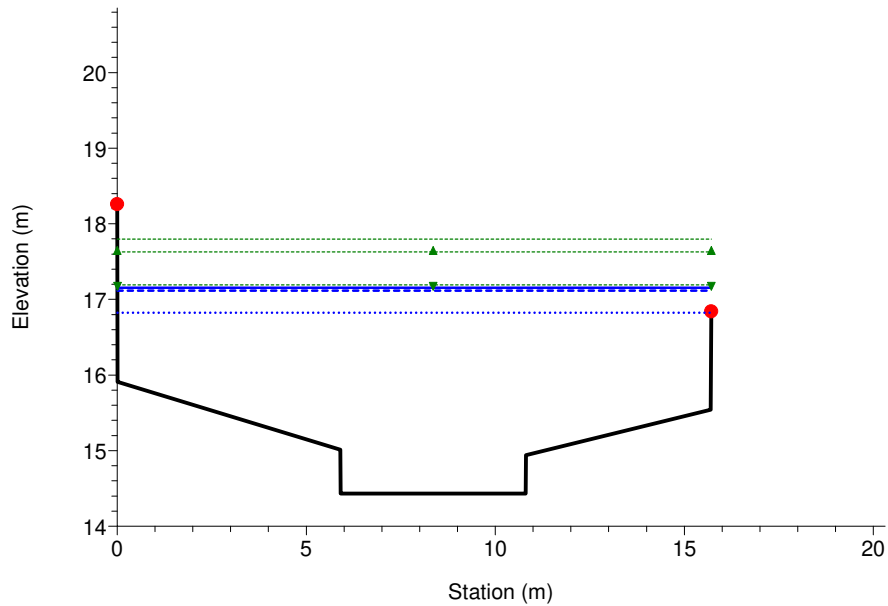
RS = 21 sez. num 21
Rio Ghiare



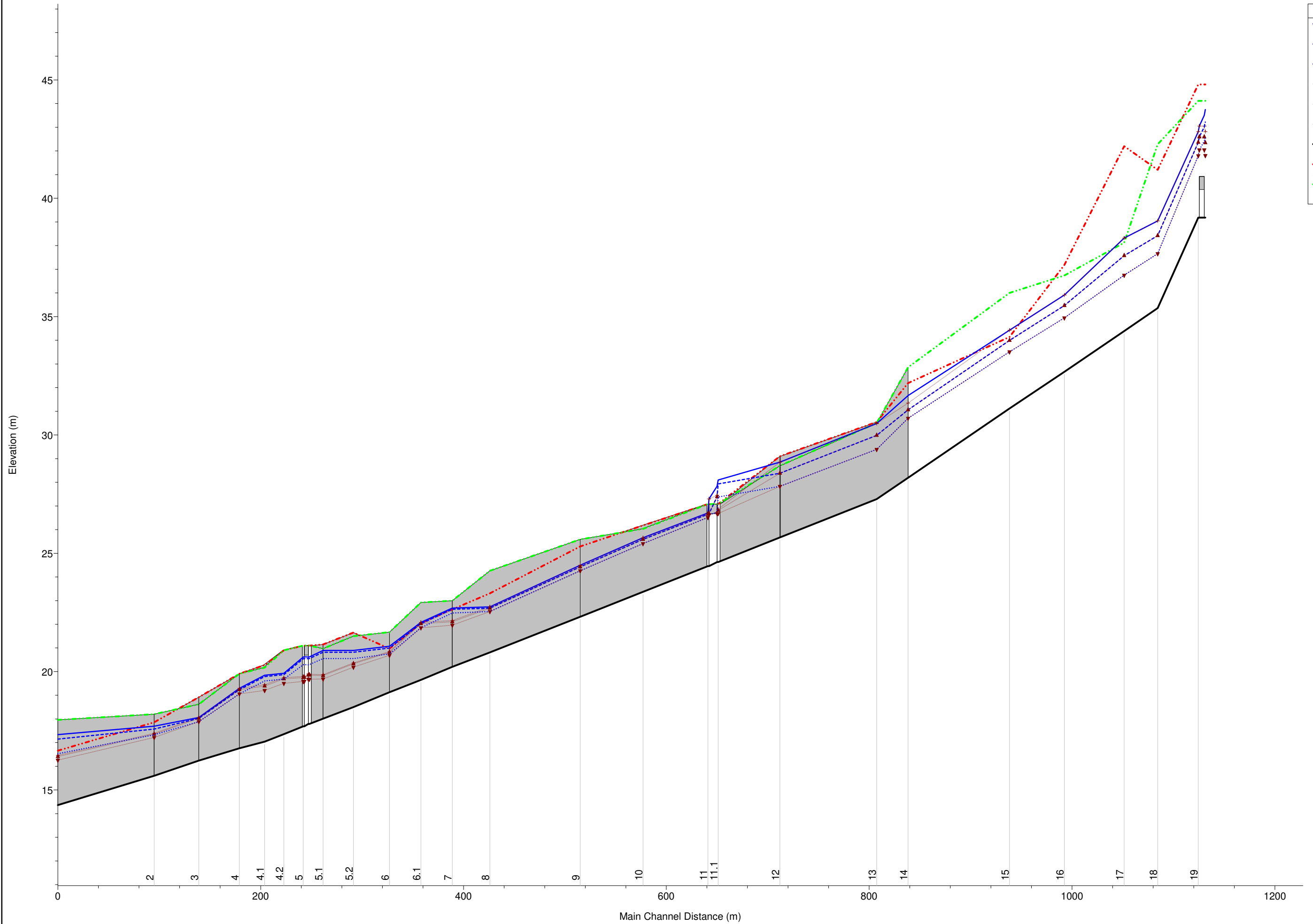
RS = 20 sez num 20 con muri di contenimento
Rio Ghiare



RS = 19 SEZ 19 (g1+quella propagata ro)
Rio Ghiare



Torrente Ghiararo FOSSO MULINI



Legend

- WS Q500
- WS Q200
- WS Q50
- Crit Q500
- Crit Q200
- Crit Q50
- Fondo alveo
- Argine sinistro
- Argine destro

1 cm Horiz. = 35 m 1 cm Vert. = 1.5 m

HEC-RAS Plan: 0.028-0.033-all River: FOSSO DEL MULINO Reach: SECONDARIO MUL

Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
SECONDARIO MUL	19.1	Q500	1167.40	175.00	39.18	44.81	44.12	43.75	42.82	44.33	3.06	4.57	3.39	51.67	16.91	0.62
SECONDARIO MUL	19.1	Q200	1167.40	128.00	39.18	44.81	44.12	43.22	42.35	43.67	2.63	4.04	2.98	42.89	16.28	0.59
SECONDARIO MUL	19.1	Q50	1167.40	80.00	39.18	44.81	44.12	42.58	41.80	42.89	2.11	3.40	2.44	32.80	15.53	0.54
SECONDARIO MUL	19.05		Bridge													
SECONDARIO MUL	19	Q500	1160.40	175.00	39.18	44.81	44.12	42.82	42.82	43.99	2.31	3.64	4.80	36.45	15.81	1.01
SECONDARIO MUL	19	Q200	1160.40	128.00	39.18	44.81	44.12	42.36	42.36	43.33	1.93	3.18	4.35	29.42	15.27	1.00
SECONDARIO MUL	19	Q50	1160.40	80.00	39.18	44.81	44.12	41.80	41.80	42.54	1.44	2.62	3.81	20.99	14.60	1.01
SECONDARIO MUL	18	Q500	1120.40	175.00	35.36	41.20	42.28	39.04	39.04	40.50	2.88	3.68	5.35	32.71	11.36	1.01
SECONDARIO MUL	18	Q200	1120.40	128.00	35.36	41.20	42.28	38.42	38.42	39.67	2.46	3.06	4.94	25.89	10.52	1.01
SECONDARIO MUL	18	Q50	1120.40	80.00	35.36	41.20	42.28	37.66	37.66	38.64	1.93	2.30	4.37	18.30	9.50	1.01
SECONDARIO MUL	17	Q500	1087.40	175.00	34.39	42.20	38.12	38.32	38.32	39.97	3.09	3.93	5.69	30.91	10.01	0.98
SECONDARIO MUL	17	Q200	1087.40	128.00	34.39	42.20	38.12	37.58	37.58	39.00	2.82	3.19	5.29	24.20	8.58	1.01
SECONDARIO MUL	17	Q50	1087.40	80.00	34.39	42.20	38.12	36.75	36.75	37.84	2.15	2.36	4.62	17.32	8.06	1.01
SECONDARIO MUL	16	Q500	1028.40	175.00	32.67	37.18	36.74	35.91	35.91	37.12	2.37	3.24	4.86	36.00	15.20	1.01
SECONDARIO MUL	16	Q200	1028.40	128.00	32.67	37.18	36.74	35.47	35.47	36.45	1.92	2.80	4.39	29.19	15.20	1.01
SECONDARIO MUL	16	Q50	1028.40	80.00	32.67	37.18	36.74	34.95	34.95	35.67	1.40	2.28	3.76	21.27	15.19	1.01
SECONDARIO MUL	15	Q500	974.40	175.00	31.12	34.14	36.00	34.43	34.43	35.51	2.12	3.31	4.61	38.15	18.01	0.99
SECONDARIO MUL	15	Q200	974.40	128.00	31.12	34.14	36.00	33.99	33.99	34.89	1.79	2.87	4.20	30.46	17.00	1.00
SECONDARIO MUL	15	Q50	974.40	80.00	31.12	34.14	36.00	33.51	33.51	34.17	1.31	2.39	3.59	22.28	17.00	1.00
SECONDARIO MUL	14	Q500	874.40	175.00	28.19	32.19	32.86	31.66	31.35	32.13	1.71	3.47	3.01	58.07	34.00	0.74
SECONDARIO MUL	14	Q200	874.40	128.00	28.19	32.19	32.86	31.06	31.06	31.65	1.16	2.87	3.39	37.77	32.48	1.00
SECONDARIO MUL	14	Q50	874.40	80.00	28.19	32.19	32.86	30.71	30.71	31.16	0.90	2.52	2.99	26.78	29.63	1.00
SECONDARIO MUL	13.992		Lat Struct													
SECONDARIO MUL	13.991		Lat Struct													
SECONDARIO MUL	13	Q500	843.40	175.00	27.29	30.55	30.50	30.48	30.48	31.80	2.60	3.19	5.08	34.45	13.24	1.01
SECONDARIO MUL	13	Q200	843.40	128.00	27.29	30.55	30.50	29.98	29.98	31.06	2.13	2.69	4.60	27.85	13.06	1.00
SECONDARIO MUL	13	Q50	843.40	80.00	27.29	30.55	30.50	29.39	29.39	30.19	1.57	2.10	3.96	20.20	12.85	1.01
SECONDARIO MUL	12	Q500	748.00	171.43	25.67	29.10	28.70	28.85	28.85	30.08	2.34	3.18	4.92	34.96	14.94	0.99
SECONDARIO MUL	12	Q200	748.00	128.00	25.67	29.10	28.70	28.38	28.38	29.43	2.04	2.71	4.52	28.30	13.85	1.01
SECONDARIO MUL	12	Q50	748.00	80.00	25.67	29.10	28.70	27.83	27.83	28.59	1.51	2.16	3.87	20.67	13.72	1.01
SECONDARIO MUL	11.992		Lat Struct													
SECONDARIO MUL	11.991		Lat Struct													
SECONDARIO MUL	11.1	Q500	687.00	91.81	24.63	27.08	27.08	28.10	26.87	28.37	2.72	3.47	2.30	40.78	15.00	0.43
SECONDARIO MUL	11.1	Q200	687.00	87.35	24.63	27.08	27.08	27.93	26.81	28.21	2.55	3.30	2.33	38.28	15.00	0.45
SECONDARIO MUL	11.1	Q50	687.00	76.84	24.63	27.08	27.08	27.38	26.68	27.72	2.00	2.75	2.59	29.98	15.00	0.56

HEC-RAS Plan: 0.028-0.033-all River: FOSSO DEL MULINO Reach: SECONDARIO MUL (Continued)

Reach	River Sta	Profile	Cum Ch Len	Q Total	Min Ch El	LOB Elev	ROB Elev	W.S. Elev	Crit W.S.	E.G. Elev	Hydr Depth	Max Chl Dpth	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m)	(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/s)	(m2)	(m)	
SECONDARIO MUL	11.05		Bridge													
SECONDARIO MUL	11	Q500	677.00	91.81	24.46	27.08	27.08	26.71	26.70	27.54	1.67	2.25	4.04	22.72	13.64	1.00
SECONDARIO MUL	11	Q200	677.00	87.35	24.46	27.08	27.08	26.65	26.65	27.46	1.61	2.19	3.99	21.90	13.63	1.00
SECONDARIO MUL	11	Q50	677.00	76.84	24.46	27.08	27.08	26.51	26.51	27.26	1.48	2.05	3.83	20.08	13.61	1.01
SECONDARIO MUL	10.992		Lat Struct													
SECONDARIO MUL	10.991		Lat Struct													
SECONDARIO MUL	10	Q500	613.00	91.81	23.37	26.18	26.03	25.66	25.66	26.74	2.14	2.29	4.61	19.93	9.33	1.01
SECONDARIO MUL	10	Q200	613.00	87.35	23.37	26.18	26.03	25.59	25.59	26.63	2.07	2.22	4.53	19.27	9.31	1.01
SECONDARIO MUL	10	Q50	613.00	76.84	23.37	26.18	26.03	25.41	25.41	26.38	1.91	2.04	4.35	17.66	9.26	1.01
SECONDARIO MUL	9	Q500	551.00	91.81	22.32	25.29	25.59	24.49	24.49	25.51	2.02	2.17	4.47	20.53	10.14	1.00
SECONDARIO MUL	9	Q200	551.00	87.35	22.32	25.29	25.59	24.43	24.43	25.41	1.96	2.11	4.40	19.85	10.12	1.00
SECONDARIO MUL	9	Q50	551.00	76.84	22.32	25.29	25.59	24.26	24.26	25.17	1.81	1.94	4.22	18.20	10.08	1.00
SECONDARIO MUL	8.992		Lat Struct													
SECONDARIO MUL	8.991		Lat Struct													
SECONDARIO MUL	8	Q500	462.00	91.81	20.81	23.31	24.26	22.74	22.74	23.64	1.79	1.93	4.20	21.85	12.22	1.00
SECONDARIO MUL	8	Q200	462.00	87.35	20.81	23.31	24.26	22.68	22.68	23.55	1.73	1.87	4.13	21.13	12.21	1.00
SECONDARIO MUL	8	Q50	462.00	76.84	20.81	23.31	24.26	22.54	22.54	23.34	1.59	1.73	3.96	19.39	12.19	1.00
SECONDARIO MUL	7	Q500	425.00	91.78	20.20	22.63	23.00	22.68	22.16	23.20	2.07	2.48	3.18	28.90	13.95	0.68
SECONDARIO MUL	7	Q200	425.00	87.35	20.20	22.63	23.00	22.63	22.11	23.12	2.02	2.43	3.10	28.20	13.94	0.67
SECONDARIO MUL	7	Q50	425.00	76.84	20.20	22.63	23.00	22.47	21.96	22.91	2.03	2.27	2.94	26.12	12.88	0.66
SECONDARIO MUL	6.992		Lat Struct													
SECONDARIO MUL	6.991		Lat Struct													
SECONDARIO MUL	6.1	Q500	394.00	91.33	19.65	22.05	22.92	22.08	22.08	22.94	1.61	2.43	4.11	22.29	13.83	1.00
SECONDARIO MUL	6.1	Q200	394.00	87.35	19.65	22.05	22.92	22.02	22.02	22.86	1.60	2.37	4.06	21.52	13.46	1.00
SECONDARIO MUL	6.1	Q50	394.00	76.84	19.65	22.05	22.92	21.86	21.86	22.66	1.57	2.21	3.96	19.41	12.36	1.01
SECONDARIO MUL	6	Q500	363.00	90.44	19.13	20.97	21.67	21.07	20.85	21.67	1.70	1.94	3.44	26.33	15.51	0.83
SECONDARIO MUL	6	Q200	363.00	87.30	19.13	20.97	21.67	21.00	20.82	21.61	1.63	1.87	3.46	25.21	15.50	0.85
SECONDARIO MUL	6	Q50	363.00	76.84	19.13	20.97	21.67	20.75	20.69	21.40	1.45	1.62	3.57	21.50	14.81	0.95
SECONDARIO MUL	5.992		Lat Struct													
SECONDARIO MUL	5.991		Lat Struct													
SECONDARIO MUL	5.2	Q500	327.50	90.35	18.50	21.65	21.50	20.90	20.37	21.42	2.27	2.40	3.22	28.10	12.39	0.68
SECONDARIO MUL	5.2	Q200	327.50	87.29	18.50	21.65	21.50	20.82	20.33	21.35	2.19	2.32	3.22	27.15	12.37	0.69
SECONDARIO MUL	5.2	Q50	327.50	76.84	18.50	21.65	21.50	20.55	20.19	21.08	1.94	2.05	3.23	23.82	12.30	0.74

HEC-RAS Plan: 0.028-0.033-all River: FOSSO DEL MULINO Reach: SECONDARIO MUL (Continued)

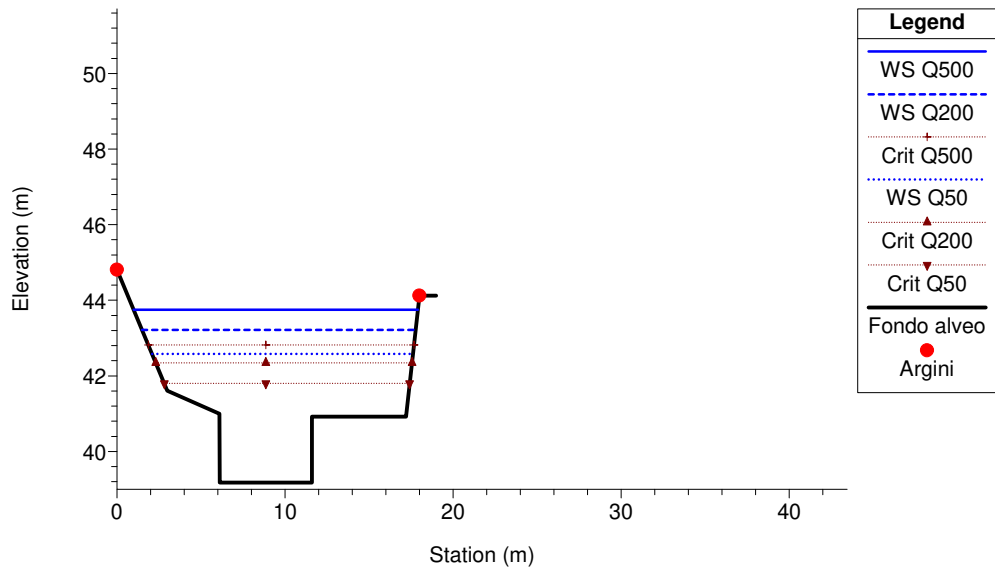
Reach	River Sta	Profile	Cum Ch Len (m)	Q Total (m3/s)	Min Ch El (m)	LOB Elev (m)	ROB Elev (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	Hydr Depth (m)	Max Chl Dpth (m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
SECONDARIO MUL	5.1	Q500	297.50	90.35	18.01	21.15	20.97	20.90	19.87	21.25	2.74	2.89	2.64	34.27	12.51	0.51
SECONDARIO MUL	5.1	Q200	297.50	87.29	18.01	21.15	20.97	20.82	19.83	21.17	2.67	2.81	2.62	33.32	12.49	0.51
SECONDARIO MUL	5.1	Q50	297.50	76.84	18.01	21.15	20.97	20.55	19.69	20.89	2.41	2.54	2.56	29.98	12.43	0.53
SECONDARIO MUL	5.0992		Lat Struct													
SECONDARIO MUL	5.0991		Lat Struct													
SECONDARIO MUL	5.05	Q500	284.00	90.35	17.79	21.10	21.10	20.63	19.89	21.18	2.74	2.84	3.29	27.47	10.04	0.63
SECONDARIO MUL	5.05	Q200	284.00	87.29	17.79	21.10	21.10	20.55	19.85	21.10	2.67	2.76	3.27	26.74	10.03	0.64
SECONDARIO MUL	5.05	Q50	284.00	76.84	17.79	21.10	21.10	20.30	19.68	20.81	2.42	2.51	3.18	24.17	10.00	0.65
SECONDARIO MUL	5.02		Bridge													
SECONDARIO MUL	5	Q500	278.00	90.35	17.69	21.10	21.10	20.62	19.79	21.13	2.83	2.93	3.18	28.38	10.04	0.60
SECONDARIO MUL	5	Q200	278.00	87.29	17.69	21.10	21.10	20.54	19.75	21.05	2.76	2.86	3.16	27.65	10.03	0.61
SECONDARIO MUL	5	Q50	278.00	76.84	17.69	21.10	21.10	20.29	19.58	20.77	2.51	2.60	3.06	25.09	10.00	0.62
SECONDARIO MUL	4.992		Lat Struct													
SECONDARIO MUL	4.991		Lat Struct													
SECONDARIO MUL	4.2	Q500	258.90	90.35	17.36	20.90	20.90	19.93	19.75	20.95	2.53	2.57	4.47	20.21	8.00	0.90
SECONDARIO MUL	4.2	Q200	258.90	87.29	17.36	20.90	20.90	19.87	19.69	20.87	2.47	2.51	4.41	19.78	8.00	0.90
SECONDARIO MUL	4.2	Q50	258.90	76.84	17.36	20.90	20.90	19.68	19.51	20.59	2.28	2.32	4.21	18.25	8.00	0.89
SECONDARIO MUL	4.1	Q500	239.90	90.35	17.04	20.28	20.17	19.85	19.45	20.69	2.69	2.81	4.08	22.16	8.25	0.79
SECONDARIO MUL	4.1	Q200	239.90	87.29	17.04	20.28	20.17	19.79	19.39	20.62	2.64	2.75	4.02	21.73	8.24	0.79
SECONDARIO MUL	4.1	Q50	239.90	76.84	17.04	20.28	20.17	19.61	19.21	20.34	2.46	2.57	3.80	20.19	8.21	0.77
SECONDARIO MUL	4	Q500	215.00	90.35	16.76	19.91	19.91	19.29	19.29	20.40	2.20	2.53	4.66	19.38	8.81	1.00
SECONDARIO MUL	4	Q200	215.00	87.29	16.76	19.91	19.91	19.24	19.24	20.32	2.15	2.48	4.61	18.93	8.80	1.00
SECONDARIO MUL	4	Q50	215.00	76.84	16.76	19.91	19.91	19.06	19.06	20.06	1.98	2.30	4.43	17.36	8.74	1.00
SECONDARIO MUL	3.992		Lat Struct													
SECONDARIO MUL	3.991		Lat Struct													
SECONDARIO MUL	3	Q500	175.00	90.35	16.24	18.92	18.62	18.06	18.06	18.94	1.72	1.82	4.14	21.85	12.67	1.01
SECONDARIO MUL	3	Q200	175.00	87.29	16.24	18.92	18.62	18.02	18.02	18.88	1.69	1.78	4.09	21.35	12.67	1.01
SECONDARIO MUL	3	Q50	175.00	76.84	16.24	18.92	18.62	17.89	17.89	18.67	1.55	1.65	3.92	19.59	12.64	1.01
SECONDARIO MUL	2.992		Lat Struct													
SECONDARIO MUL	2.991		Lat Struct													
SECONDARIO MUL	2	Q500	131.00	90.35	15.60	17.86	18.20	17.69	17.40	18.33	2.03	2.09	3.54	25.52	12.58	0.79
SECONDARIO MUL	2	Q200	131.00	87.29	15.60	17.86	18.20	17.57	17.36	18.25	1.91	1.97	3.64	23.98	12.56	0.84
SECONDARIO MUL	2	Q50	131.00	76.84	15.60	17.86	18.20	17.33	17.22	18.02	1.68	1.73	3.67	20.96	12.51	0.90

HEC-RAS Plan: 0.028-0.033-all River: FOSSO DEL MULINO Reach: SECONDARIO MUL (Continued)

Reach	River Sta	Profile	Cum Ch Len	Q Total	Min Ch El	LOB Elev	ROB Elev	W.S. Elev	Crit W.S.	E.G. Elev	Hydr Depth	Max Chl Dpth	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m)	(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/s)	(m2)	(m)	
SECONDARIO MUL	1.992		Lat Struct													
SECONDARIO MUL	1	Q500	36.00	90.35	14.36	16.66	17.96	17.34	16.46	17.77	2.71	2.98	2.92	30.97	11.41	0.57
SECONDARIO MUL	1	Q200	36.00	87.29	14.36	16.66	17.96	17.15	16.41	17.61	2.52	2.79	3.04	28.76	11.41	0.61
SECONDARIO MUL	1	Q50	36.00	76.84	14.36	16.66	17.96	16.53	16.26	17.17	1.93	2.17	3.53	21.77	11.28	0.81

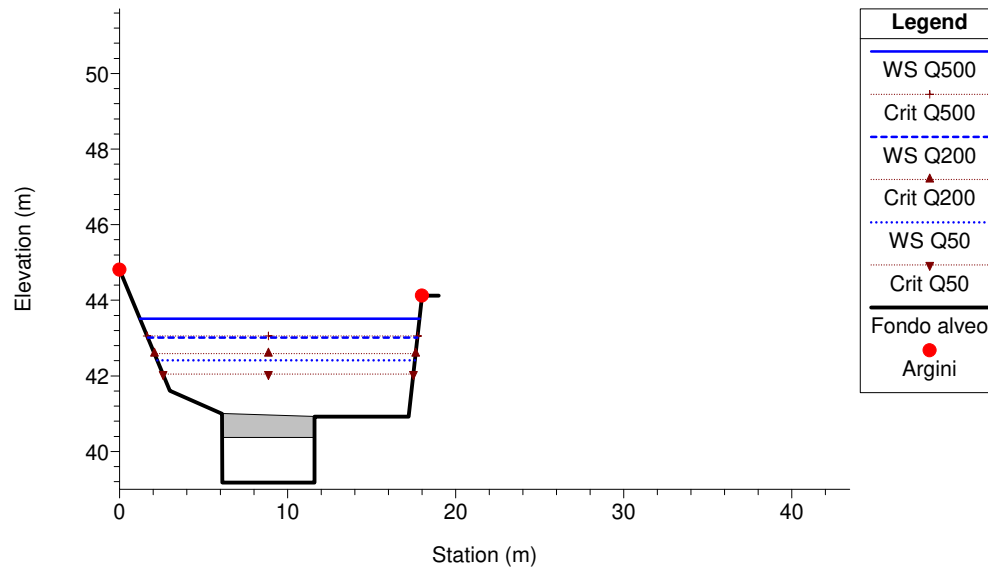
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 19.1 SEZ 19 A MONTE DEL PONTE IN C.A. FOSSO MULINI



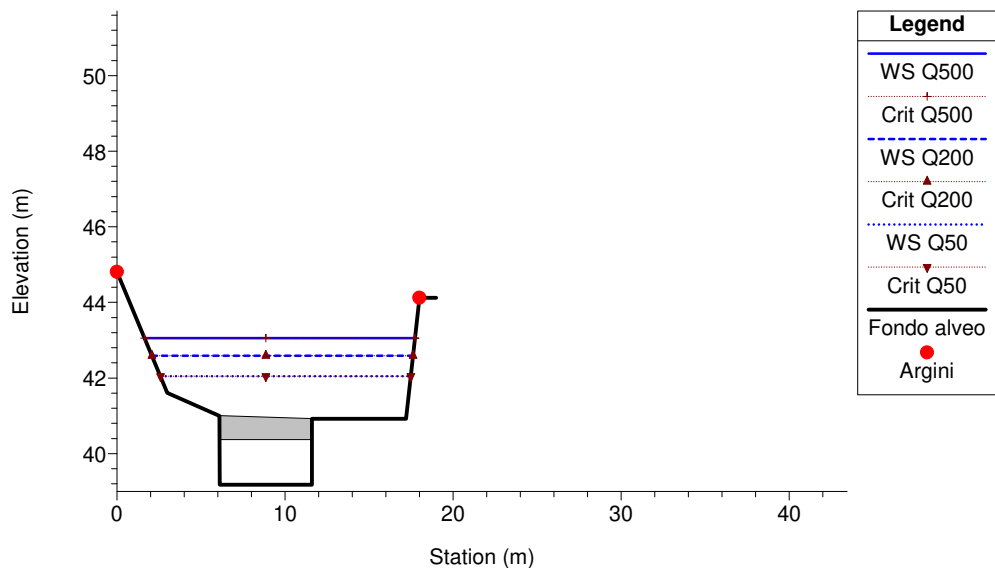
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 19.05 BR PONTE IN C.A. DA SOSTITUIRE FOSSO MULINI



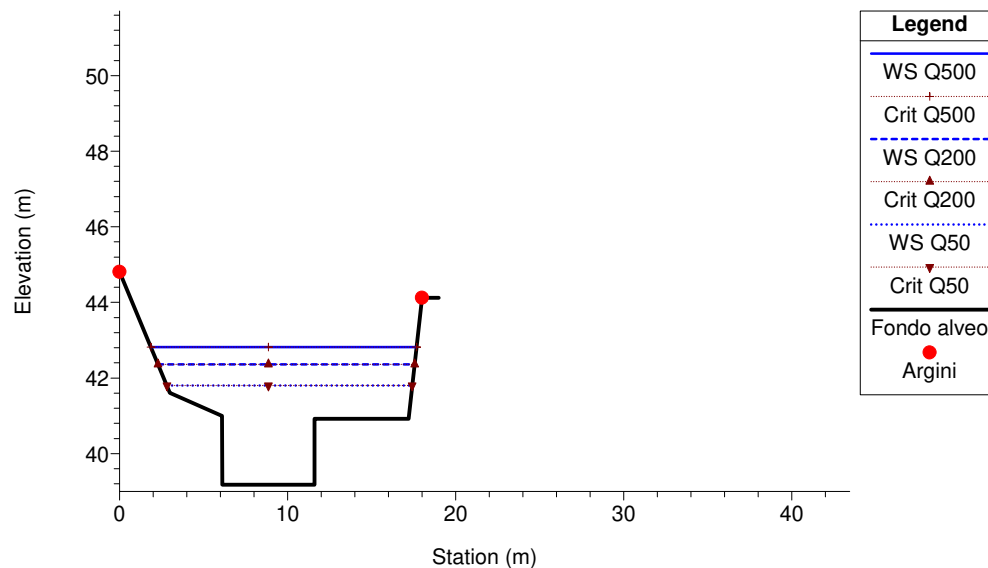
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 19.05 BR PONTE IN C.A. DA SOSTITUIRE FOSSO MULINI



Torrente Ghiararo

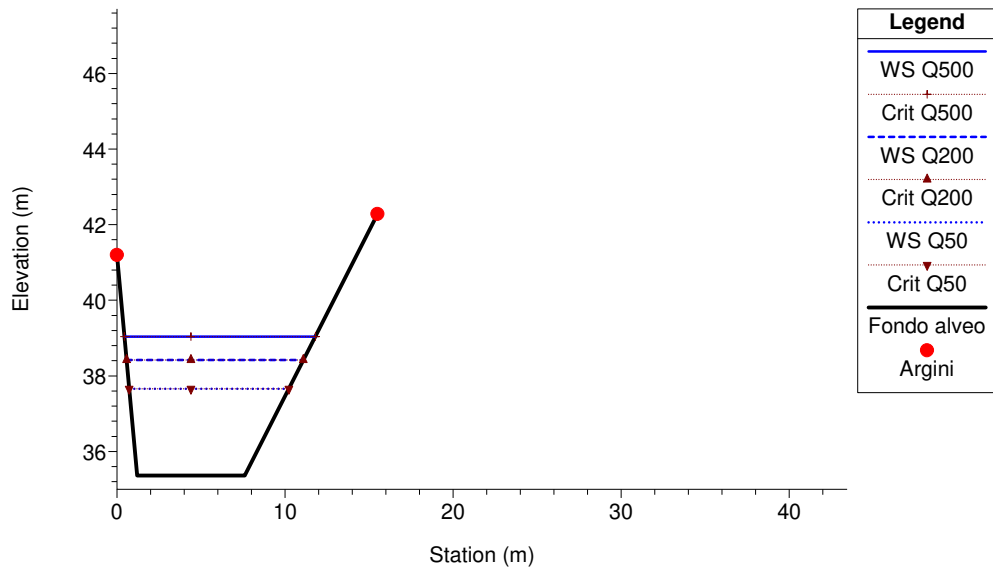
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 19 SEZ 19 A VALLE DEL PONTE IN C.A. FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

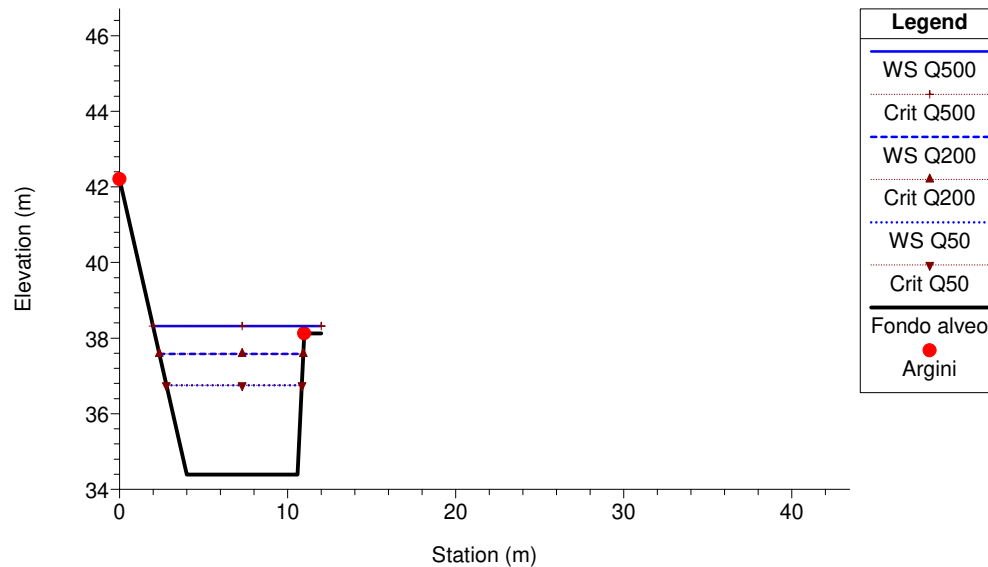
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 18 SEZ 18 FOSSO MULINI



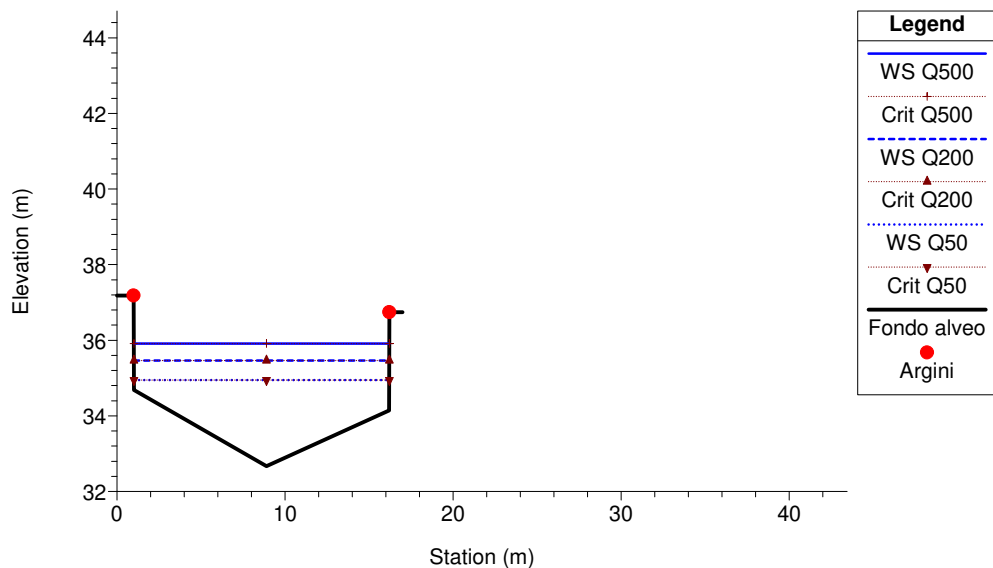
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 17 SEZ 17 (M2) FOSSO MULINI



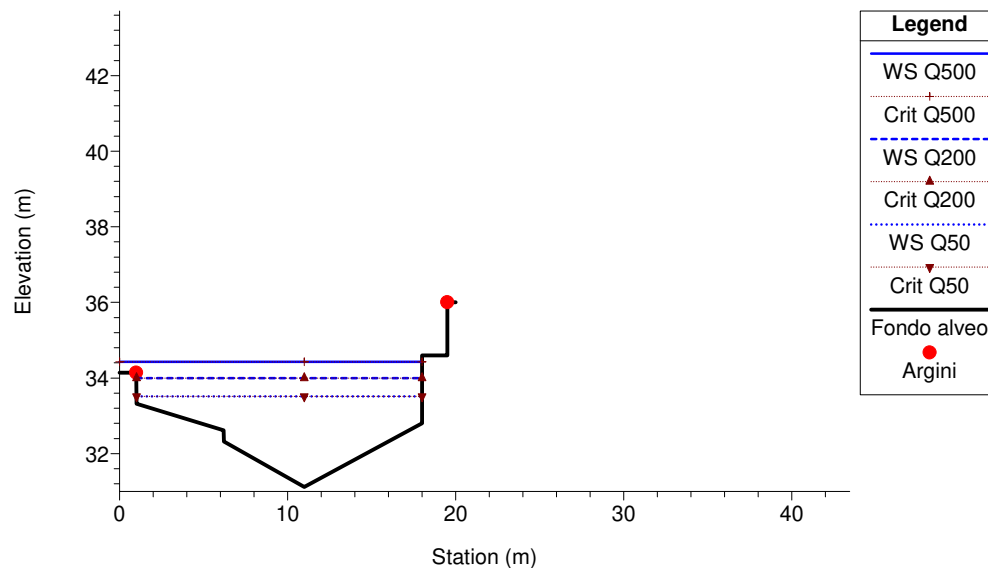
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 16 SEZ 16 (M2+M3) FOSSO MULINI



Torrente Ghiararo

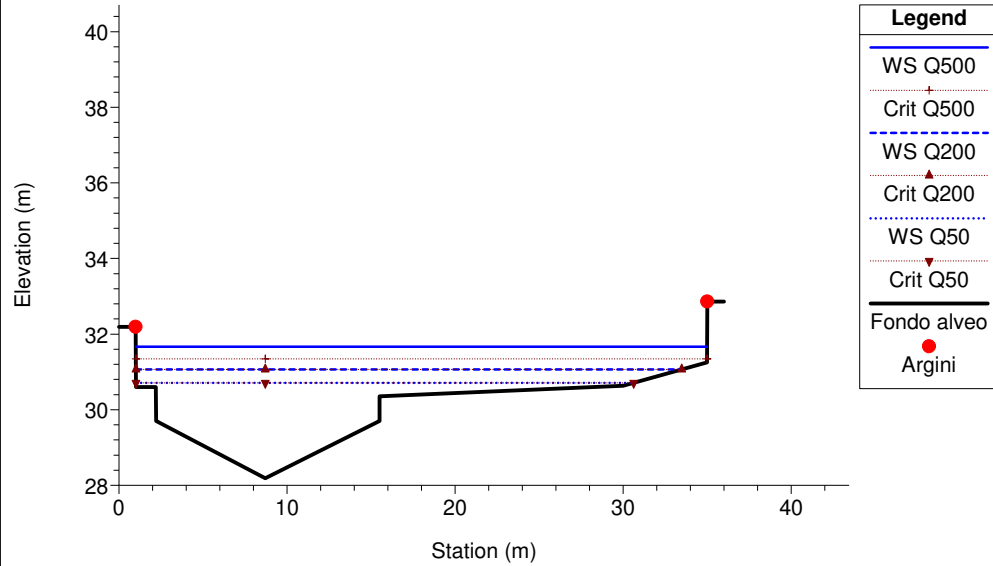
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 15 SEZ 15 FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

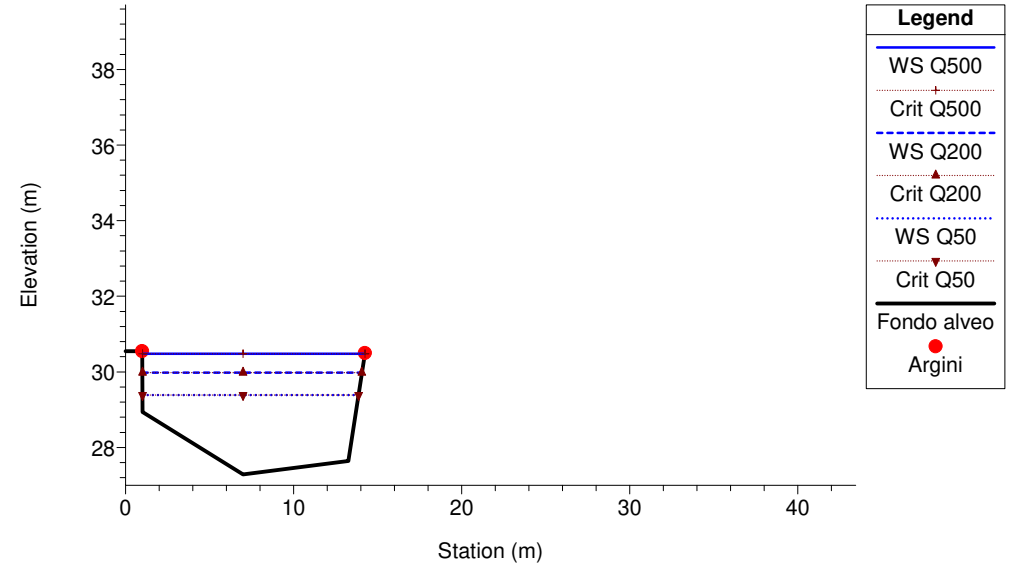
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 14 SEZ 14 FOSSO MULINI



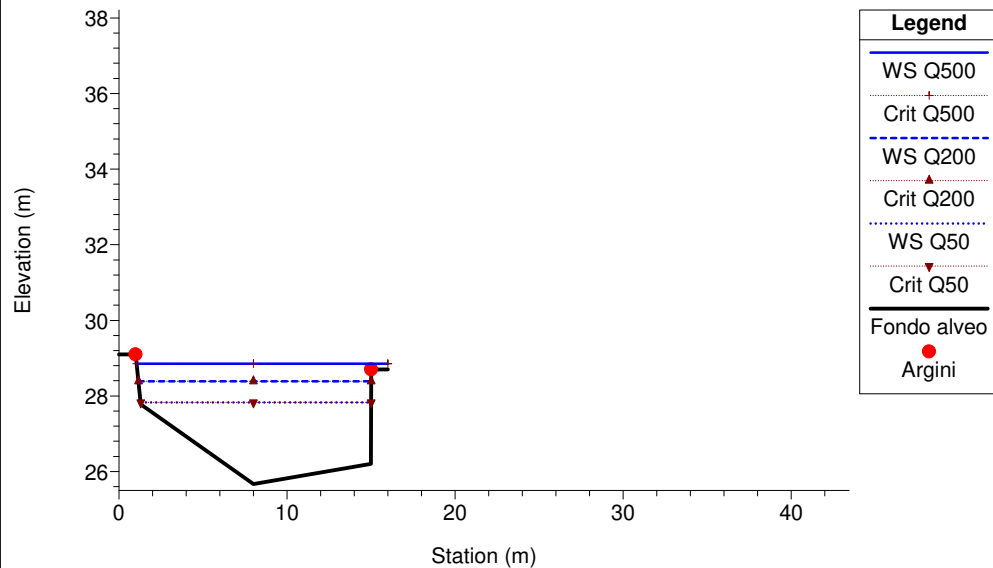
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 13 SEZ 13 FOSSO MULINI



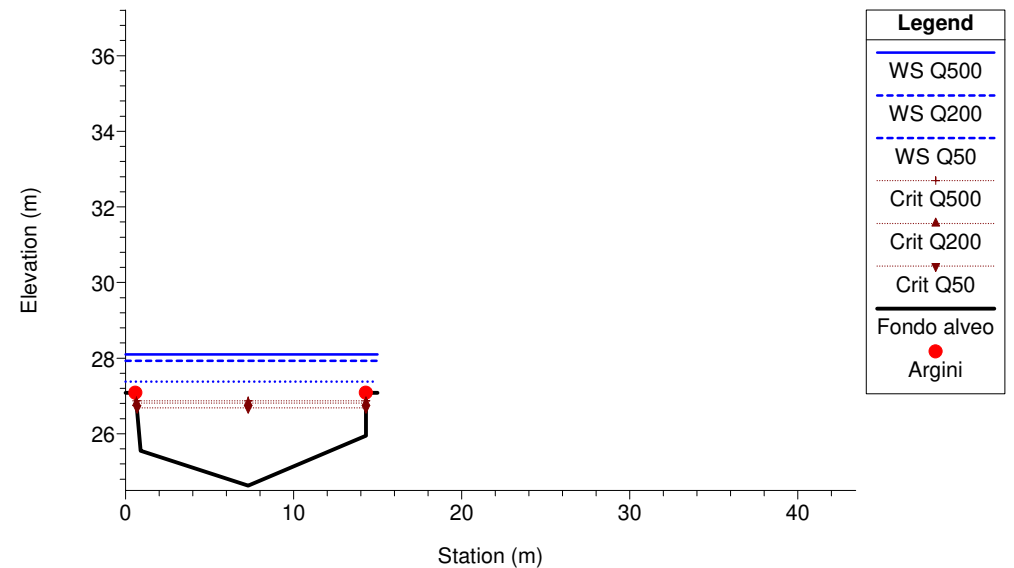
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 12 SEZ 12 FOSSO MULINI



Torrente Ghiararo

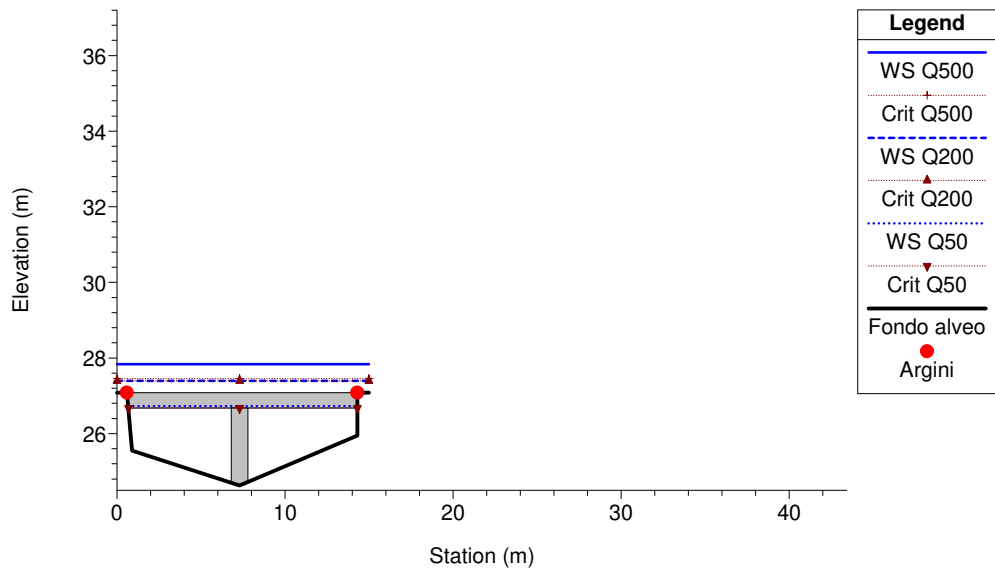
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 11.1 SEZ 11.1 A MONTE DEL PONTE FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

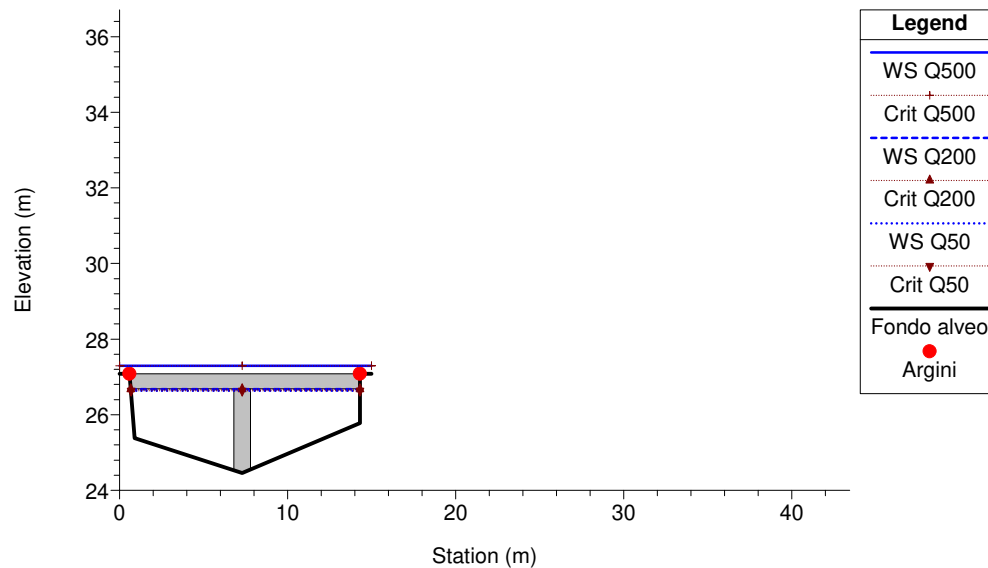
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 11.05 BR PONTE IN C.A. FOSSO MULINI



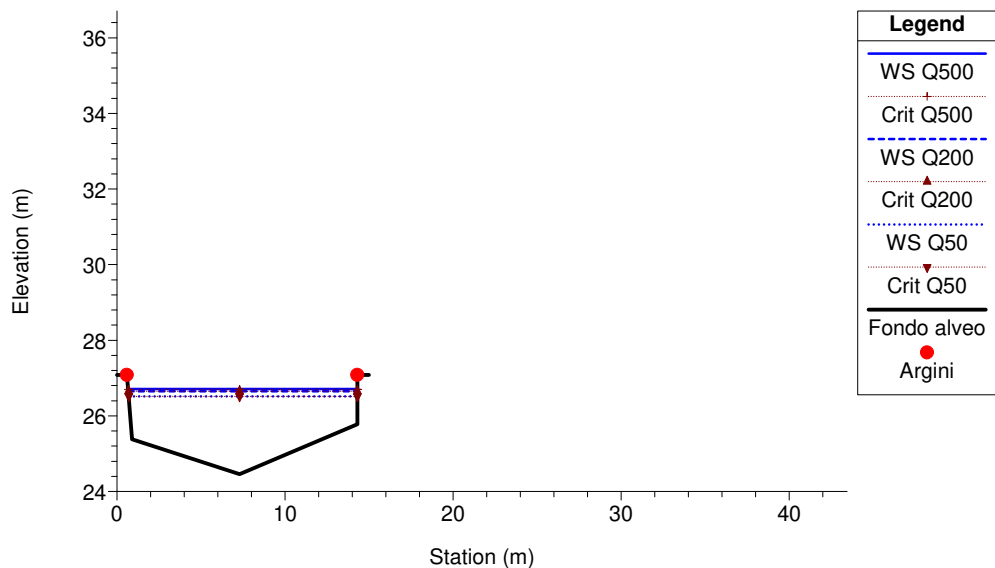
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 11.05 BR PONTE IN C.A. FOSSO MULINI



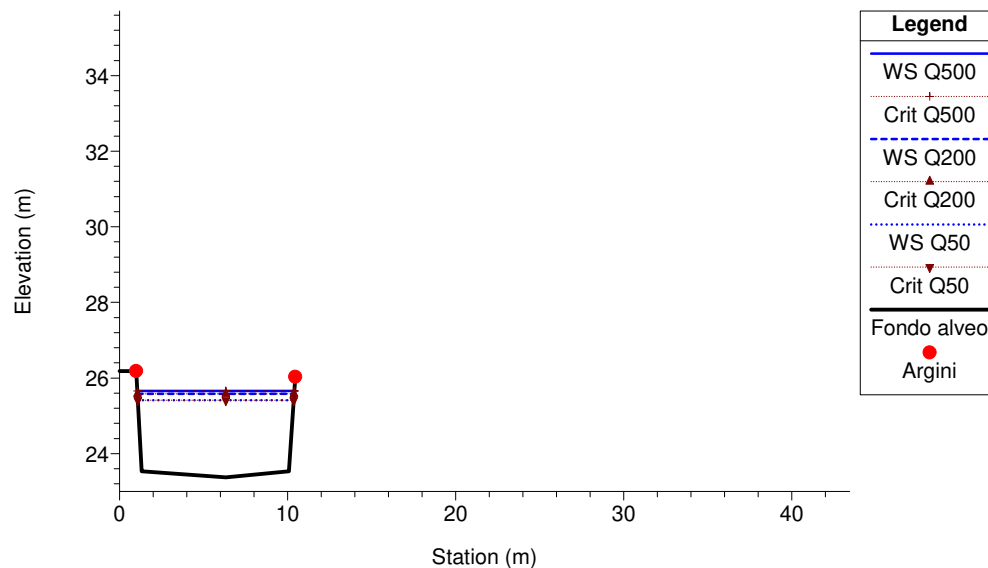
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 11 SEZ 11 A VALLE DEL PONTE FOSSO MULINI



Torrente Ghiararo

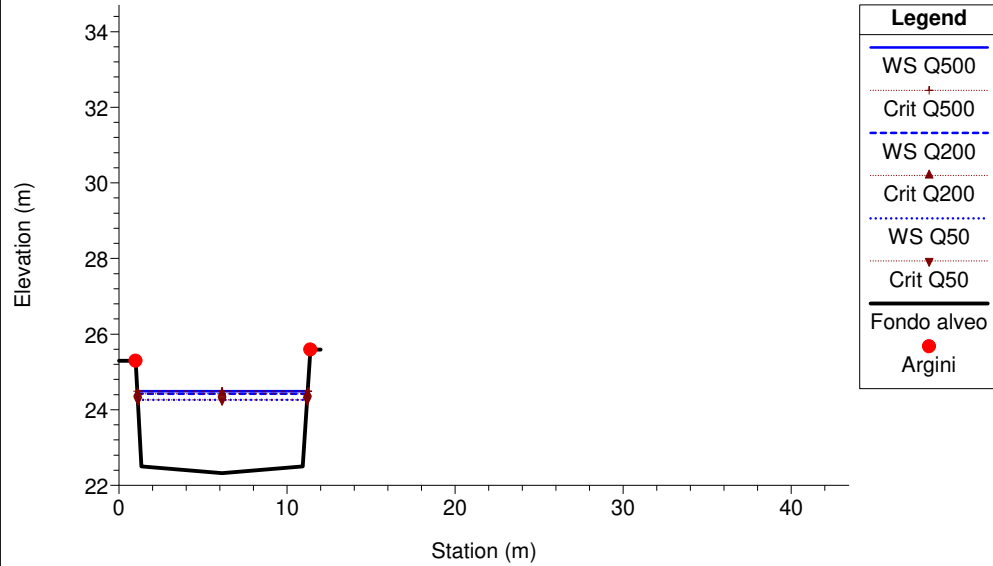
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 10 SEZ 10 FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

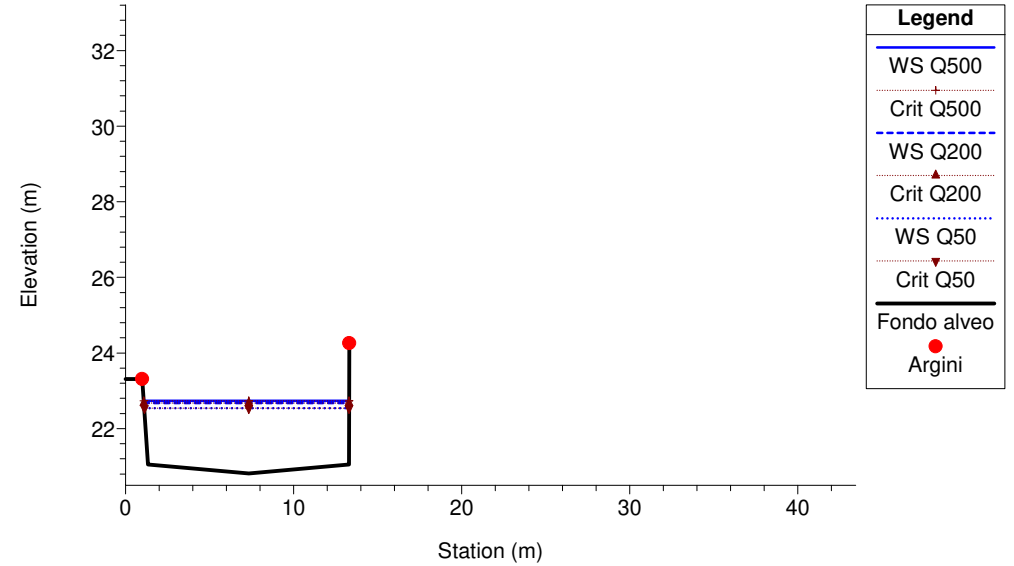
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 9 SEZ NUM 9 FOSSO MULINI



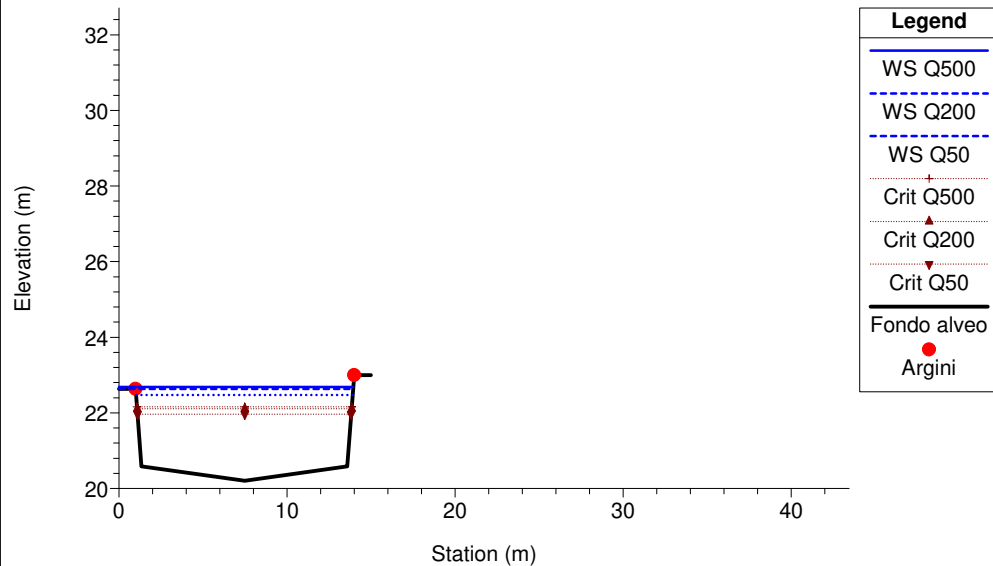
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 8 SEZ NUM 8 FOSSO MULINI



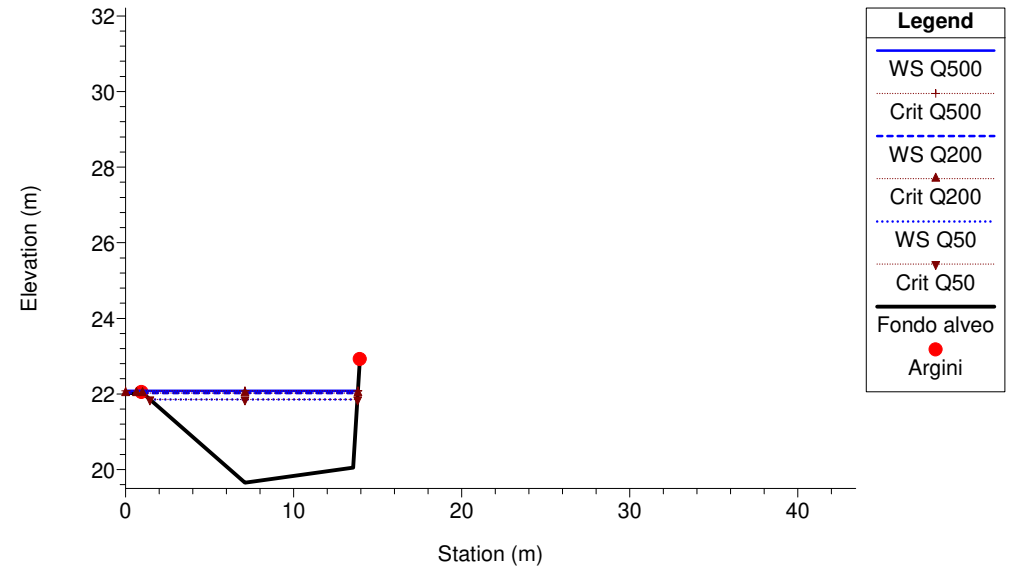
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 7 SEZ NUM 7 FOSSO MULINI



Torrente Ghiararo

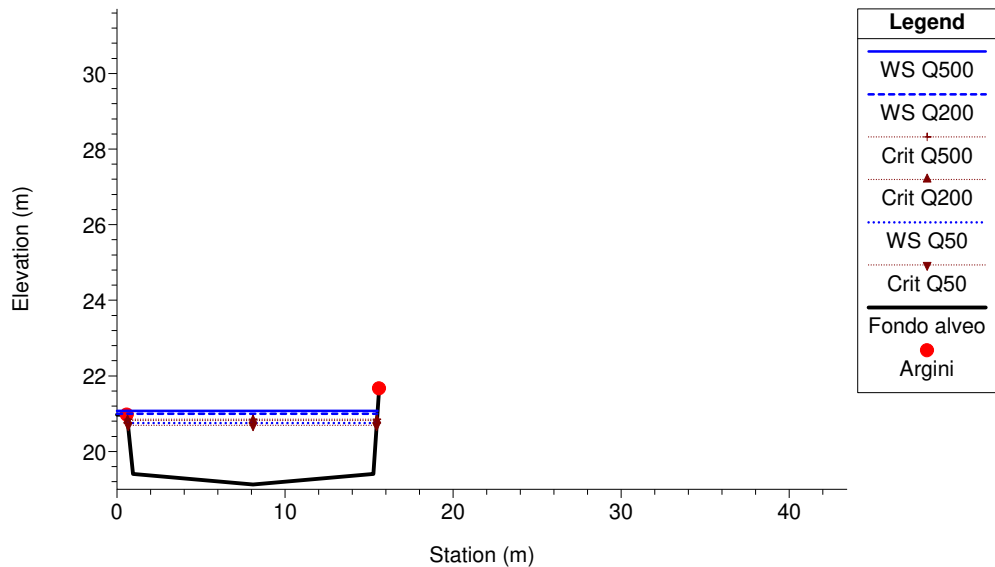
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 6.1 SEZ NUM 6.1 FINE PLATEA FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

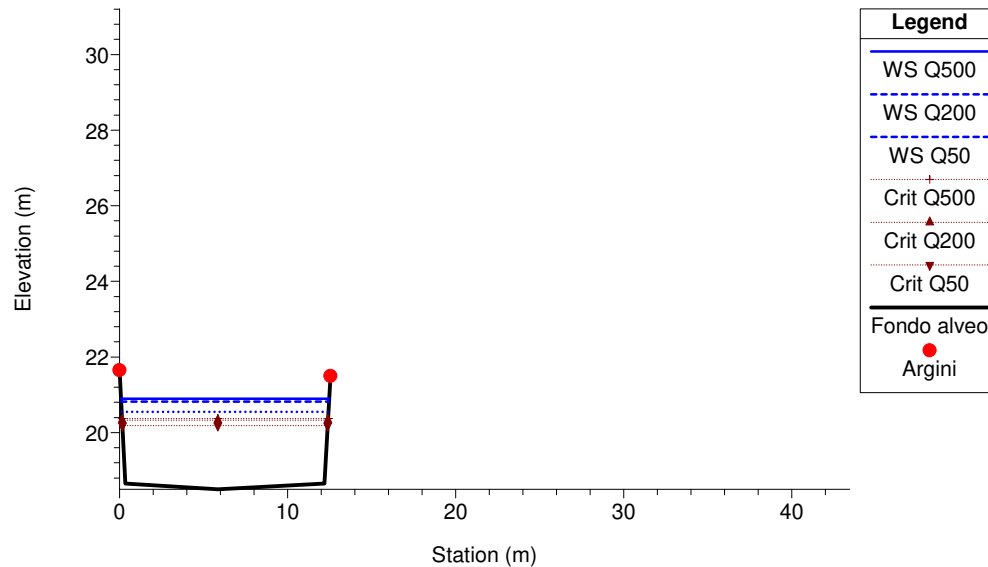
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 6 SEZ NUM 6 FOSSO MULINI



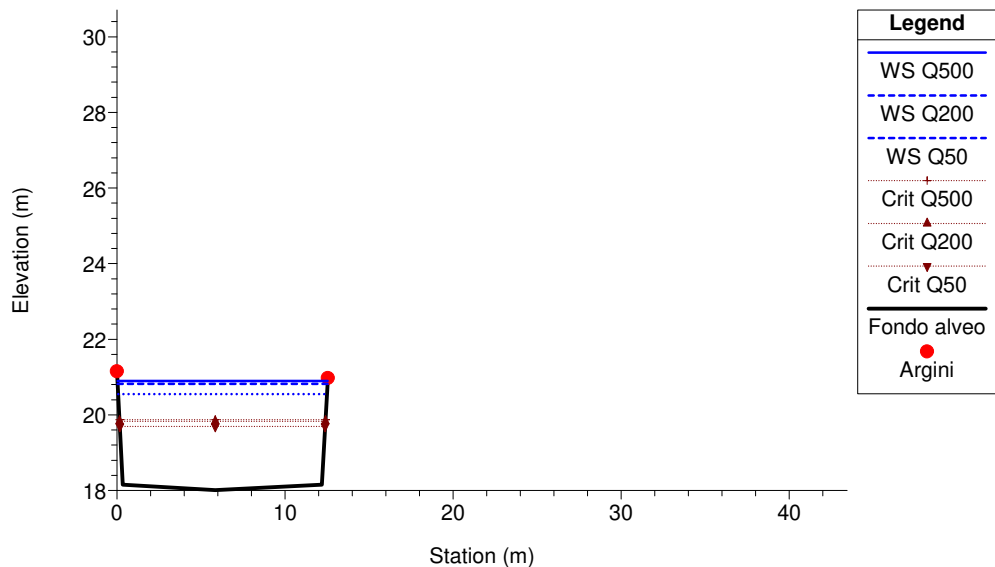
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5.2 SEZ NUM 5.2 FOSSO MULINI



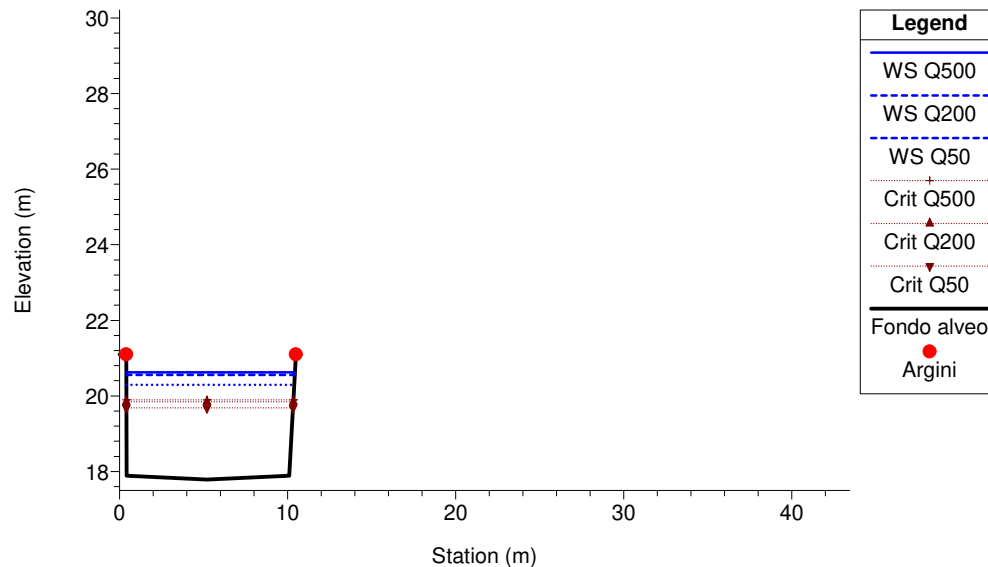
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5.1 SEZ NUM 5.1 FOSSO MULINI



Torrente Ghiararo

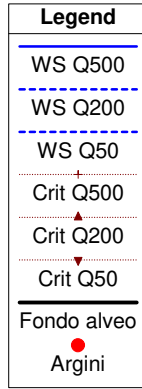
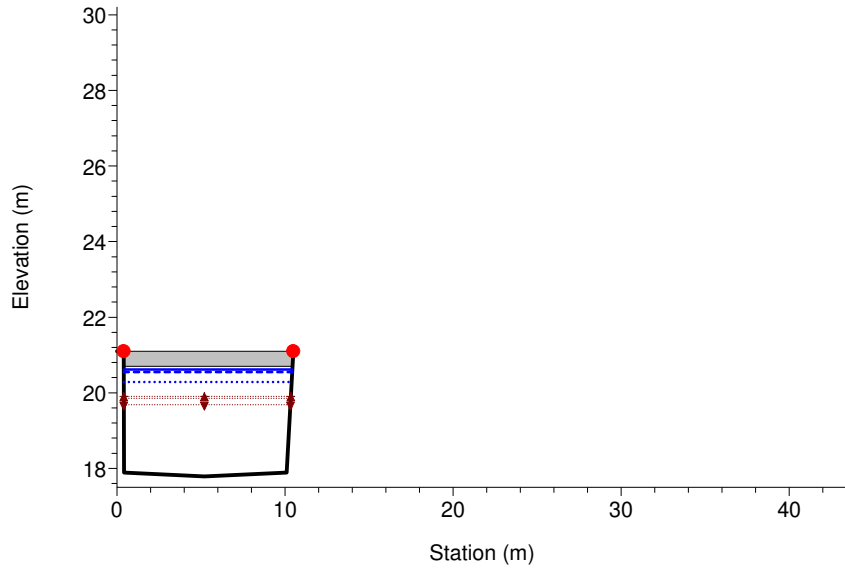
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5.05 SEZ NUM 5 A MONTE DEL PONTE PER MONTALE FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

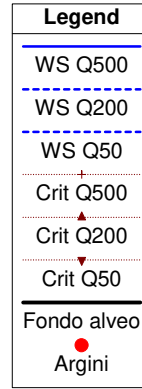
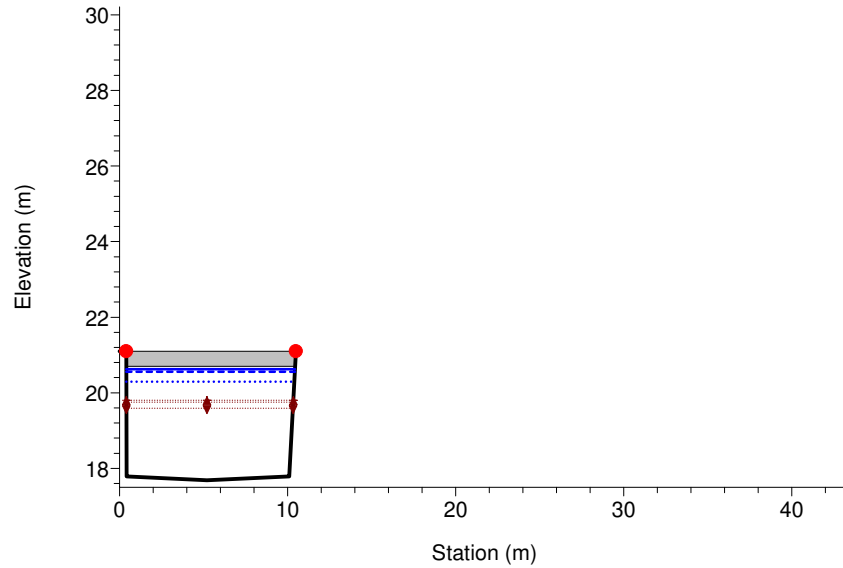
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5.02 BR PONTE PER MONTALE FOSSO MULINI



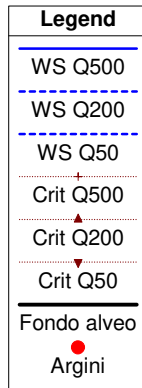
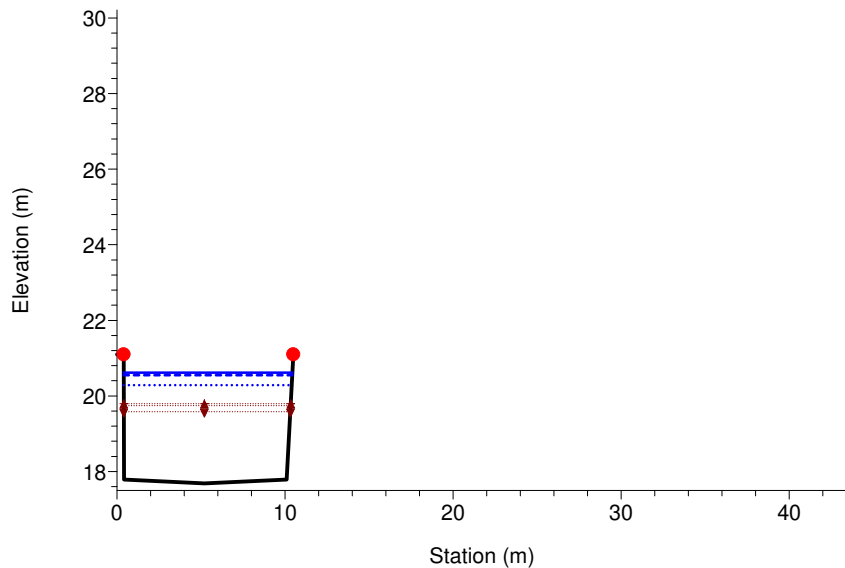
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5.02 BR PONTE PER MONTALE FOSSO MULINI



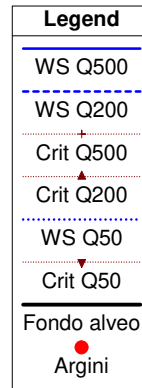
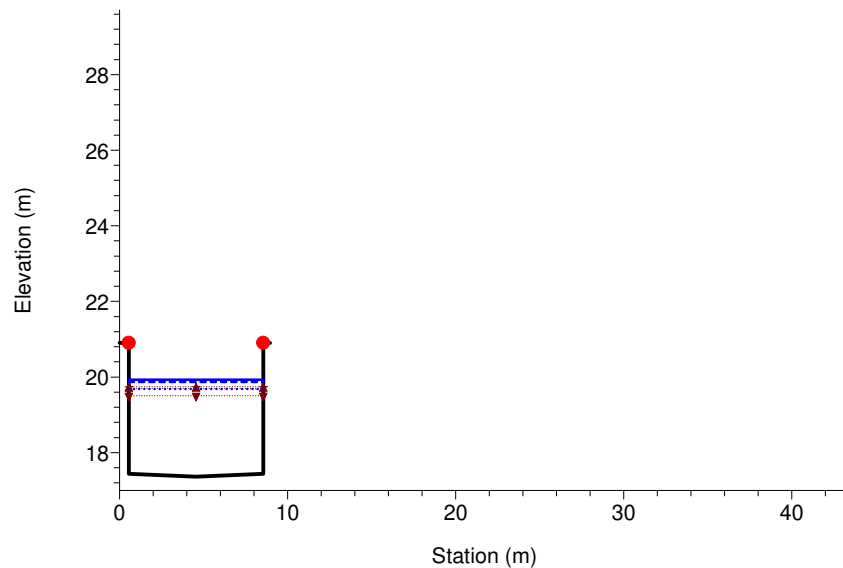
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 5 SEZ NUM 5 A VALLE DEL PONTE PER MONTALE FOSSO MULINI



Torrente Ghiararo

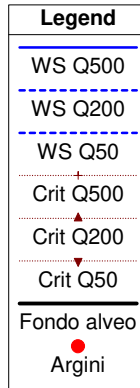
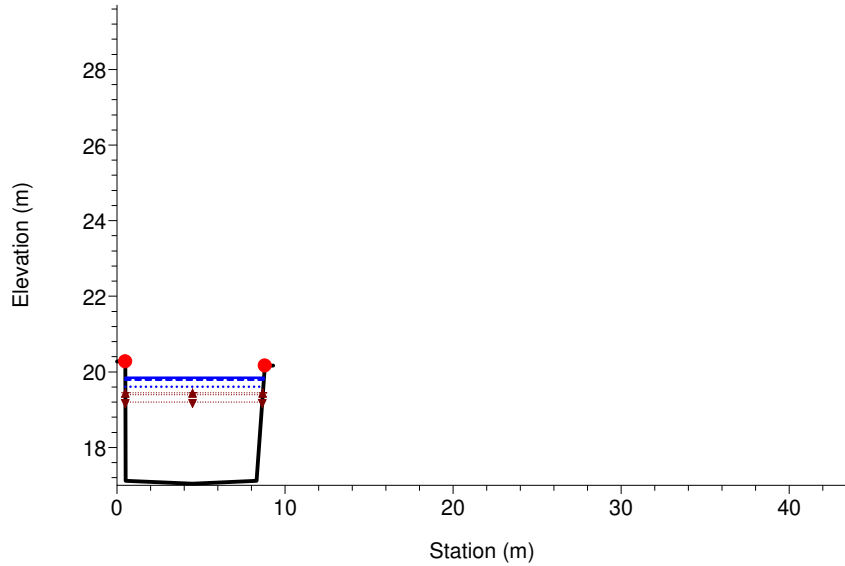
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 4.2 SEZ NUM 4.2 FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

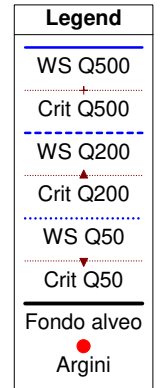
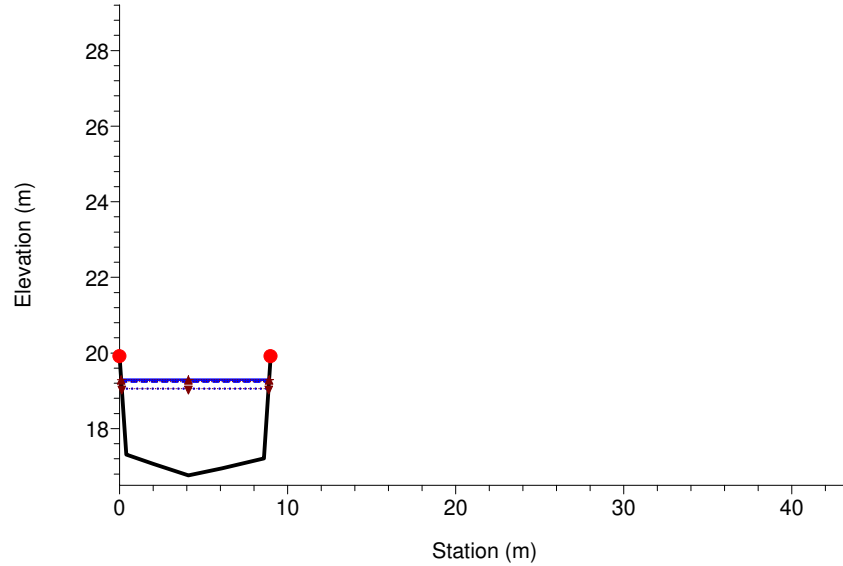
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 4.1 SEZ NUM 4.1 INIZIO PLATEA FOSSO MULINI



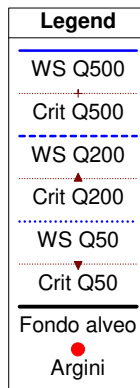
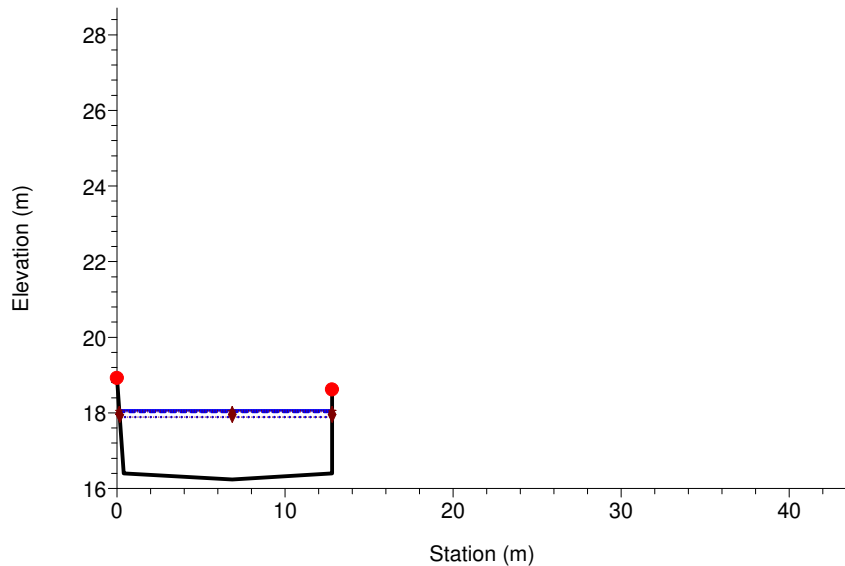
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 4 SEZ NUM 4 FOSSO MULINI



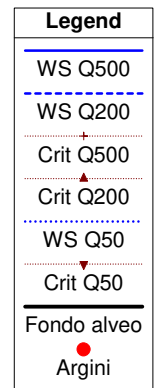
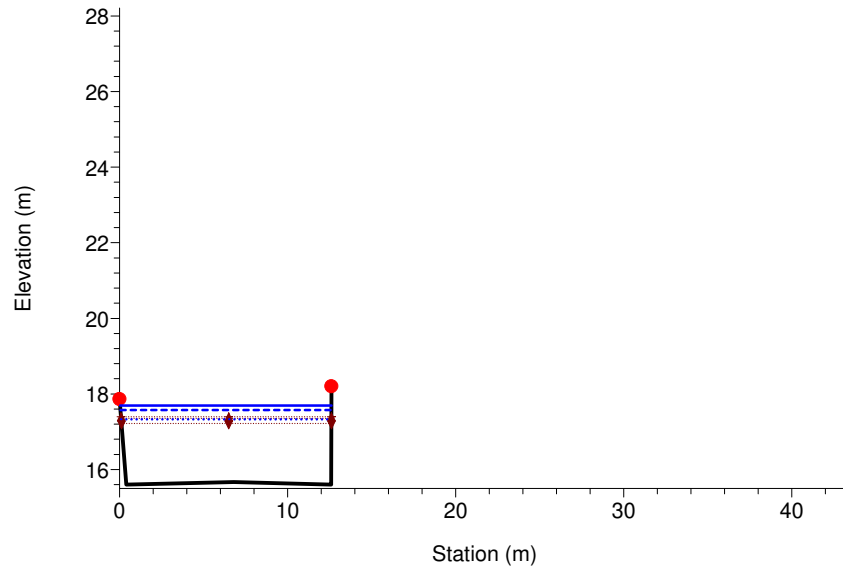
Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 3 SEZ NUM 3 FOSSO MULINI



Torrente Ghiararo

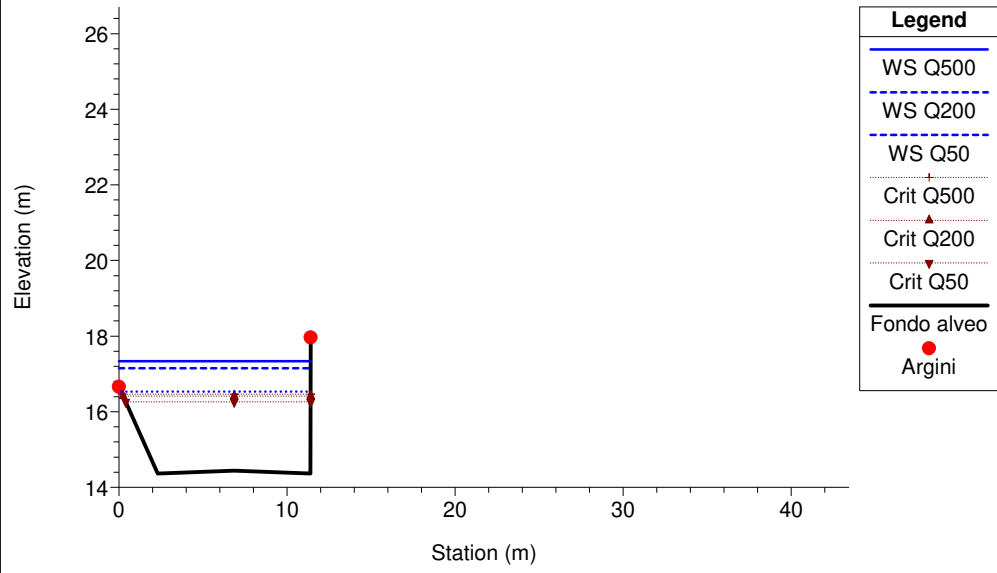
River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 2 SEZ NUM 2 FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m

Torrente Ghiararo

River = FOSSO DEL MULINO Reach = SECONDARIO MUL RS = 1 SEZ. NUM 1 (M1+QUELLA PROPAGATA gamma) FOSSO MULINI



1 cm Horiz. = 4.5 m 1 cm Vert. = 2 m