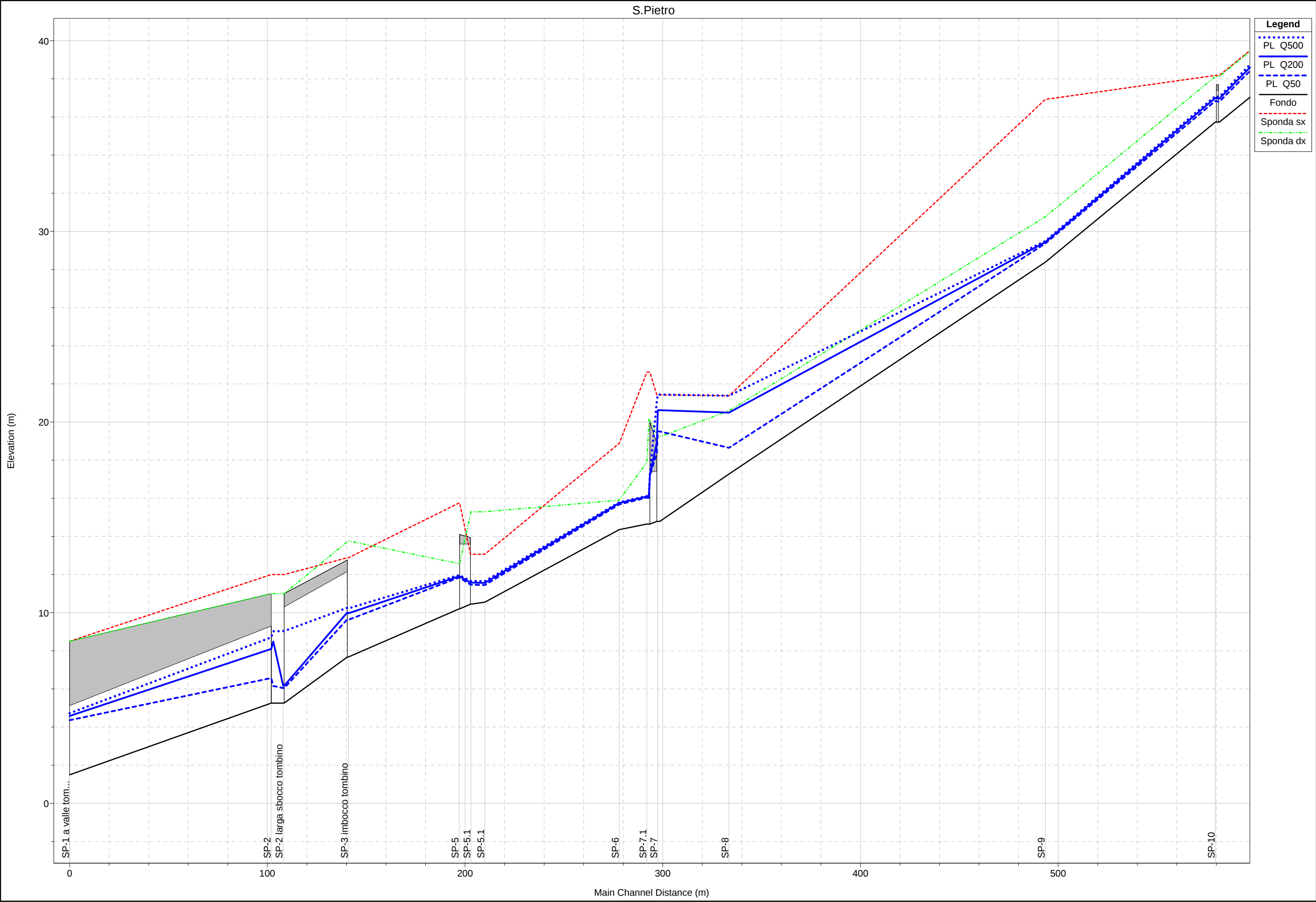
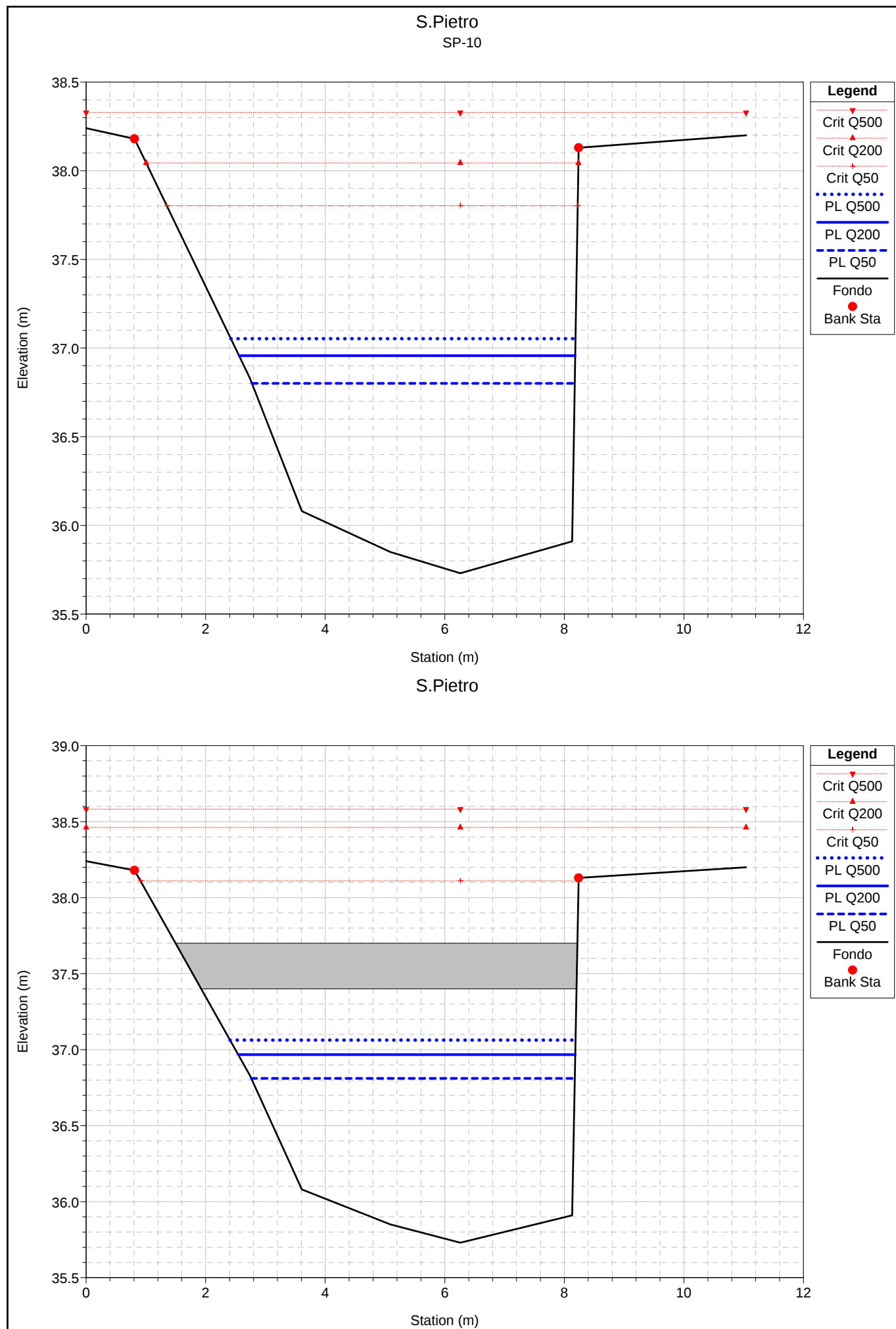


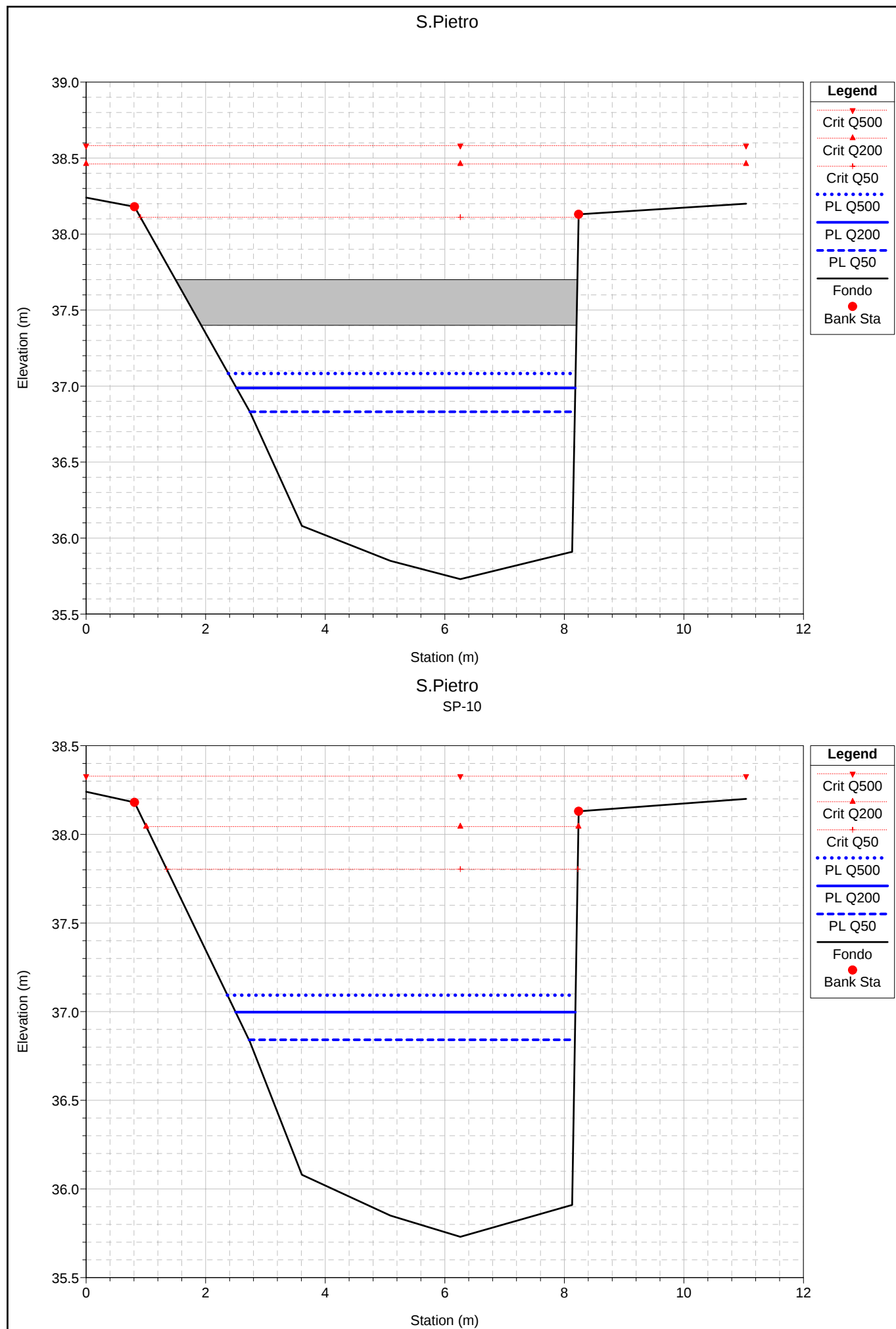
Rio San Pietro

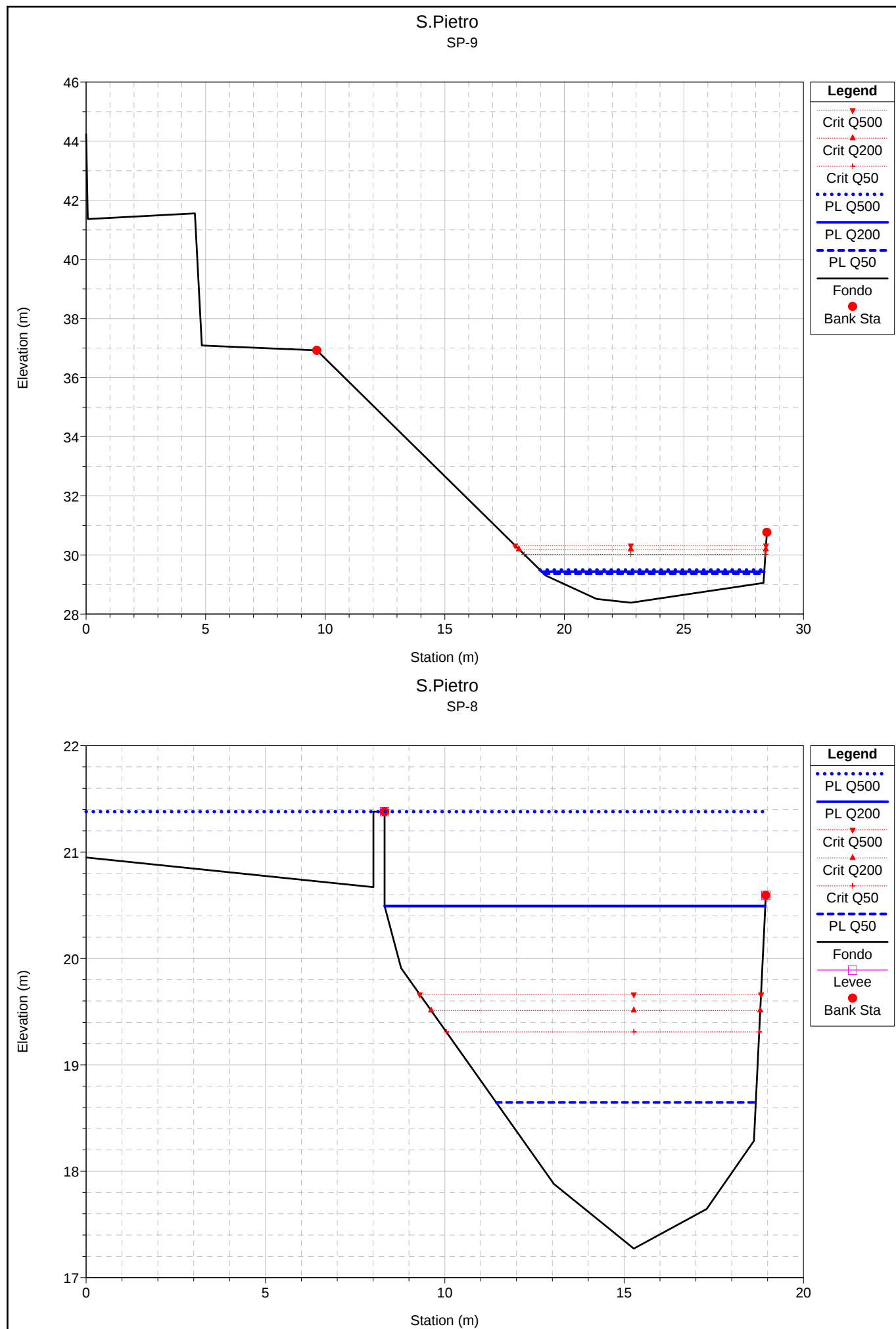
dalla sezione SP10 alla SP1

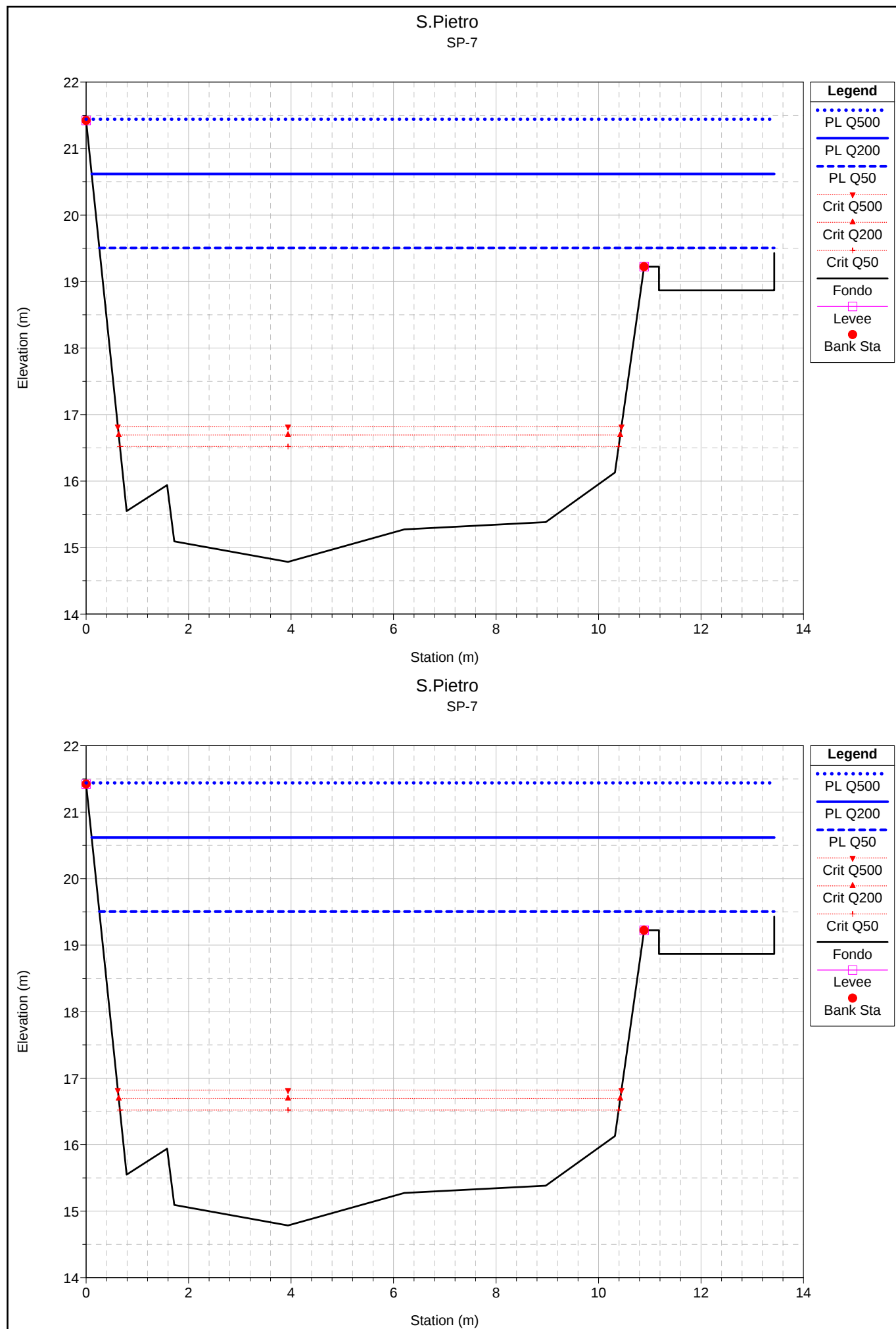
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

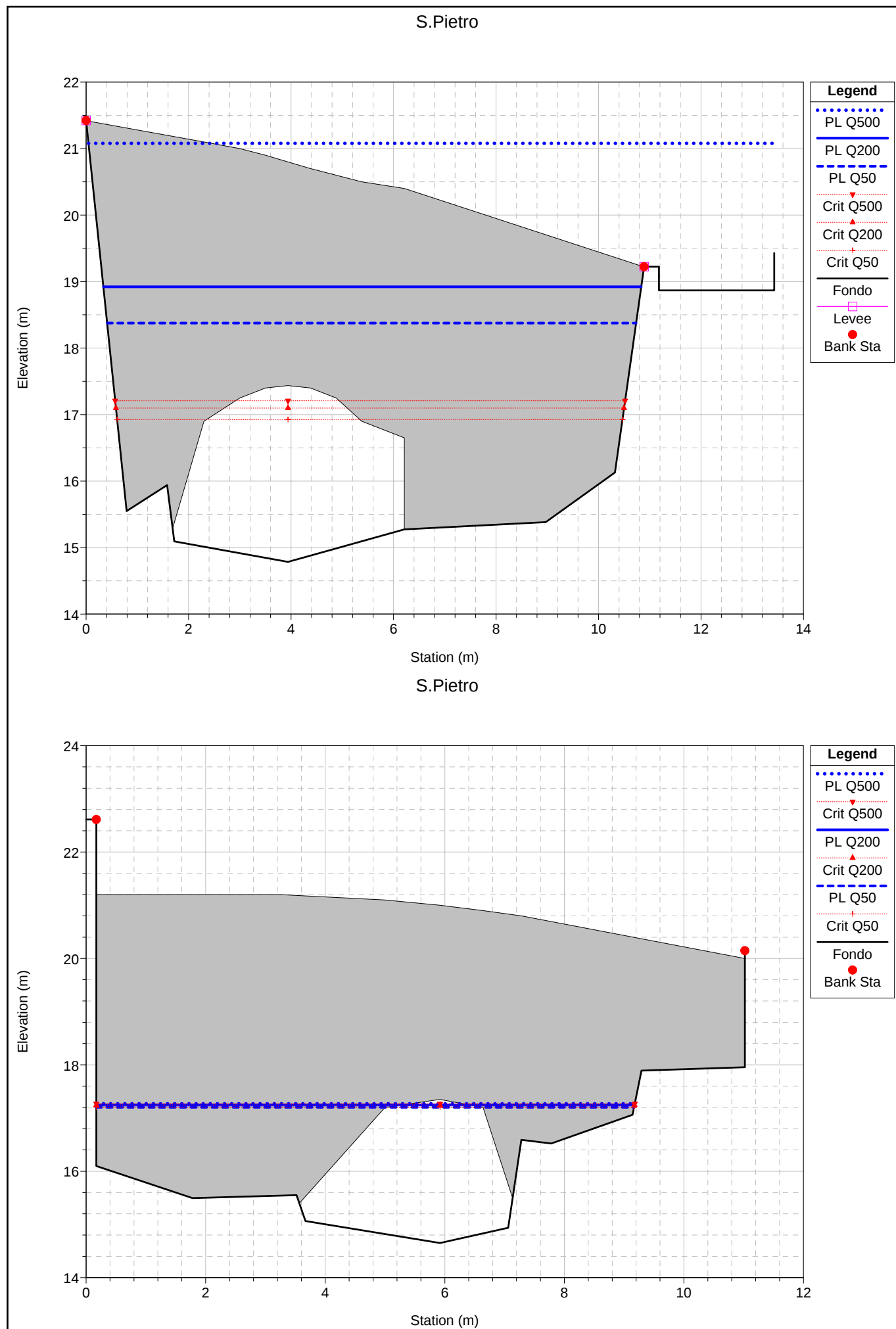


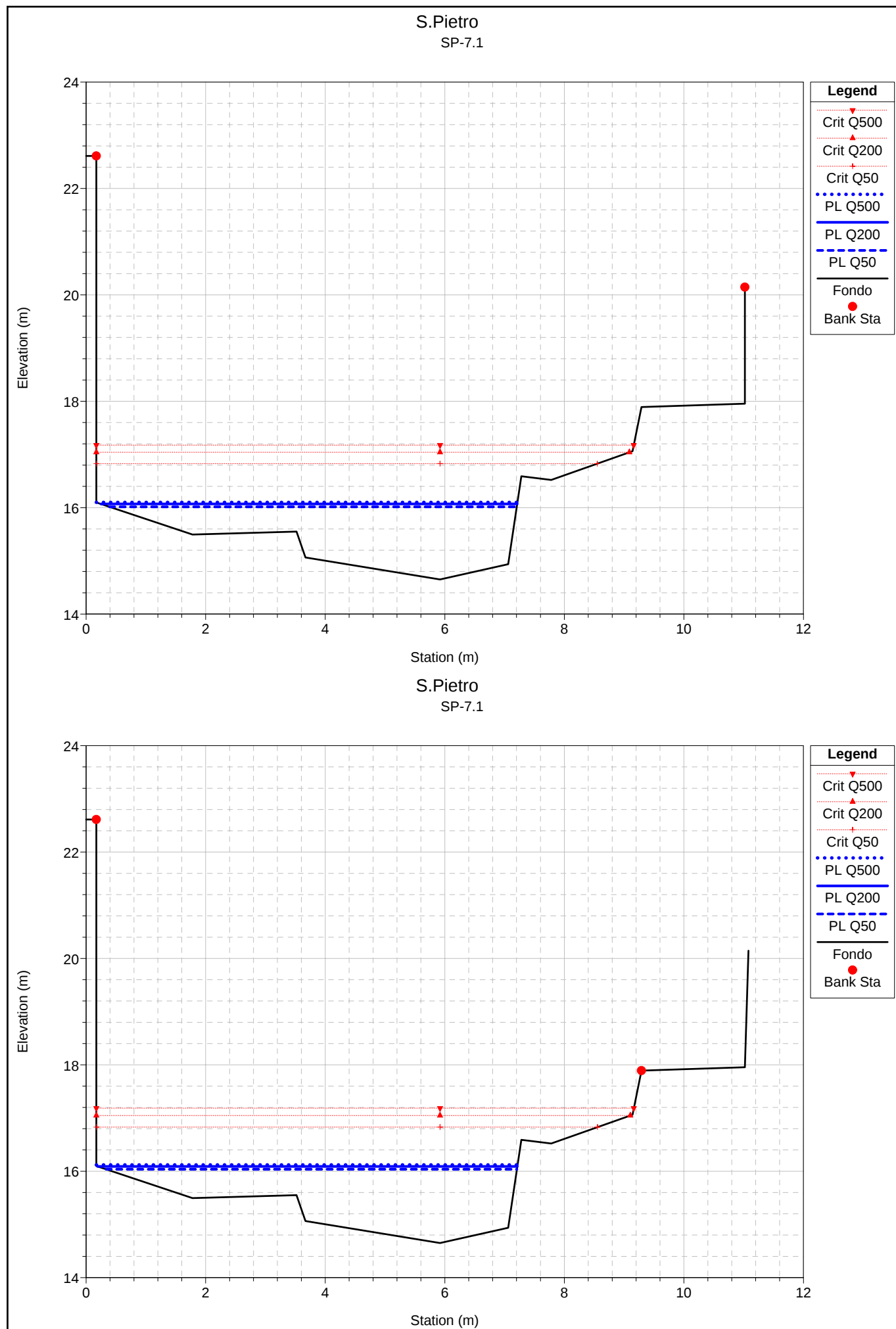


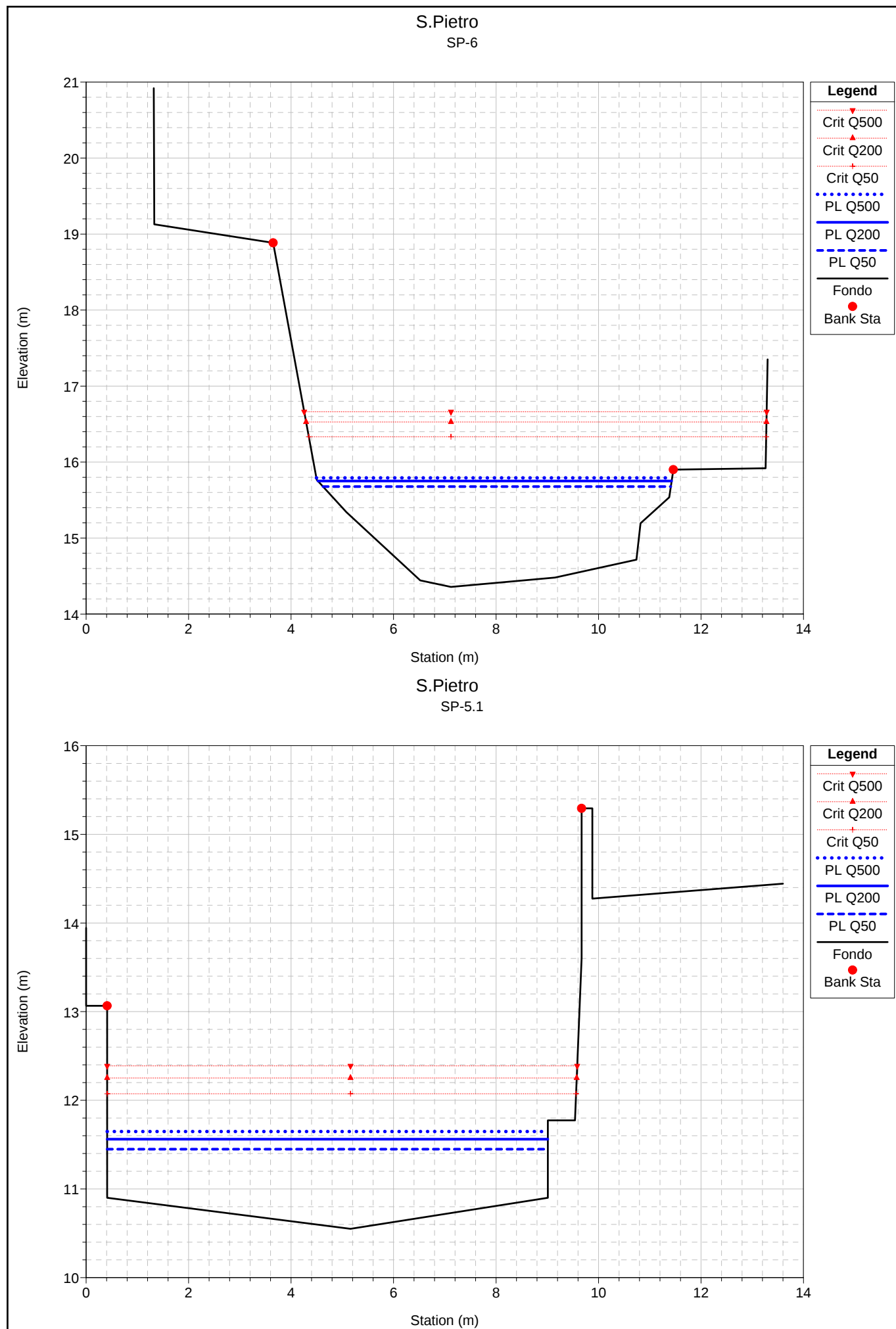


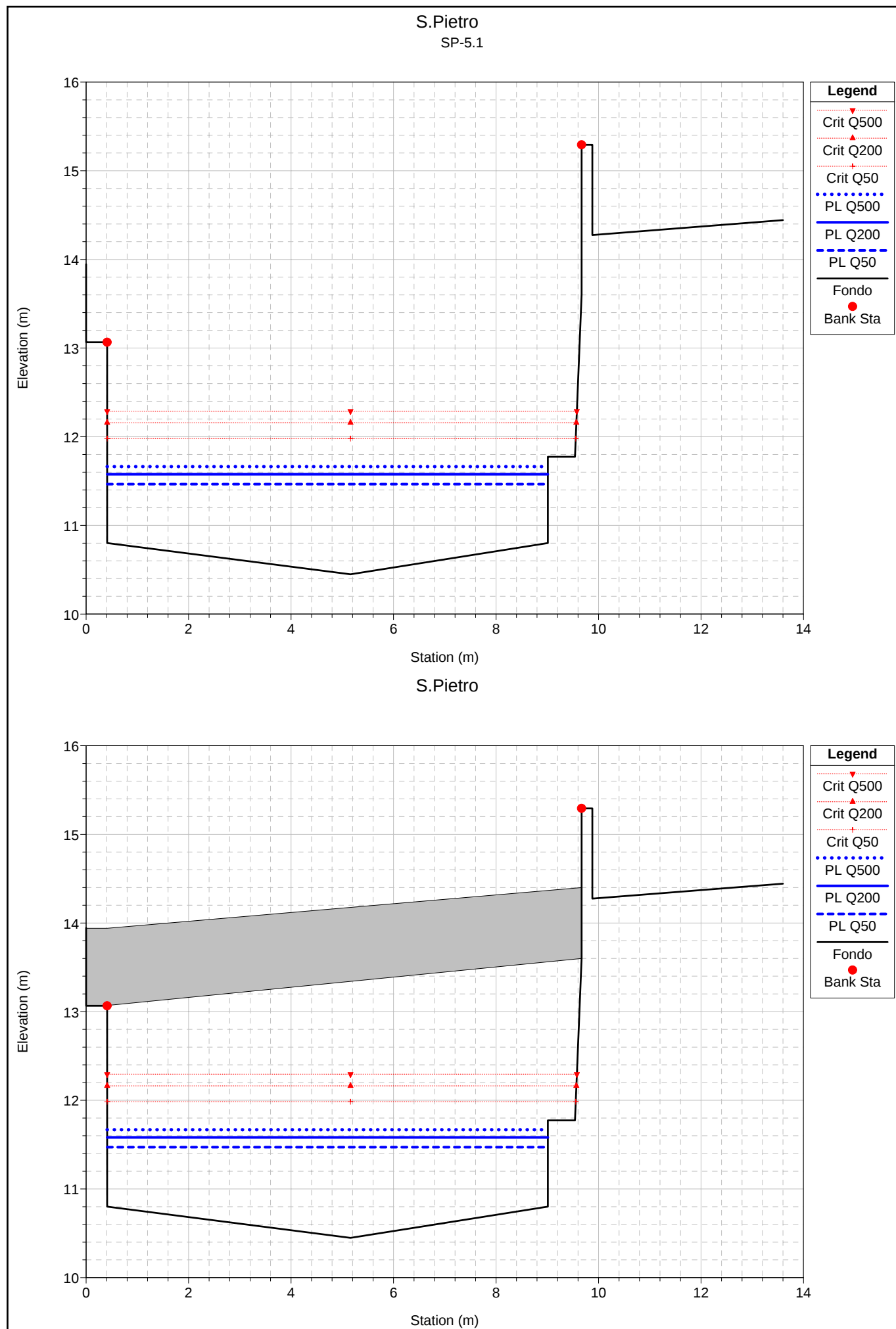


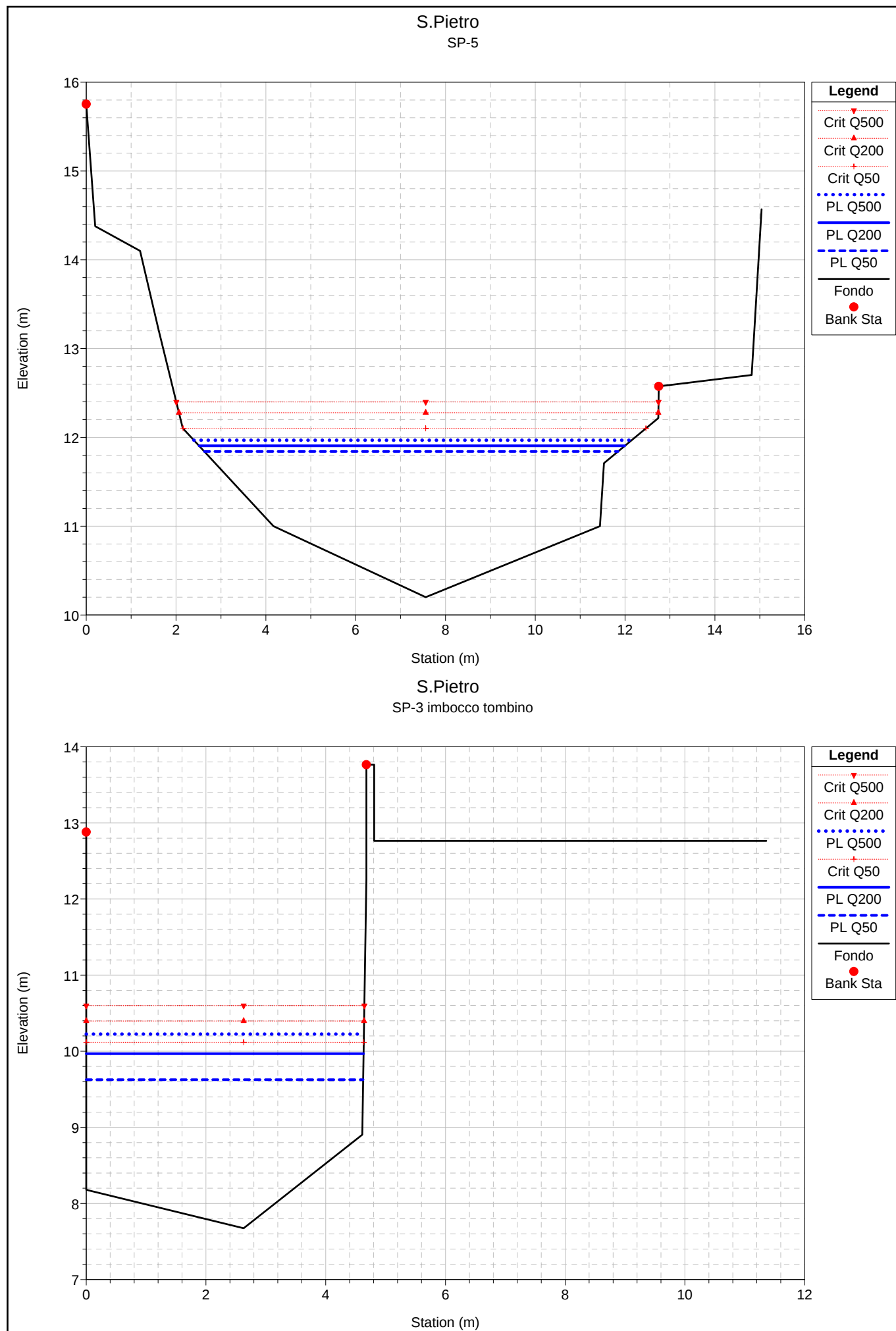


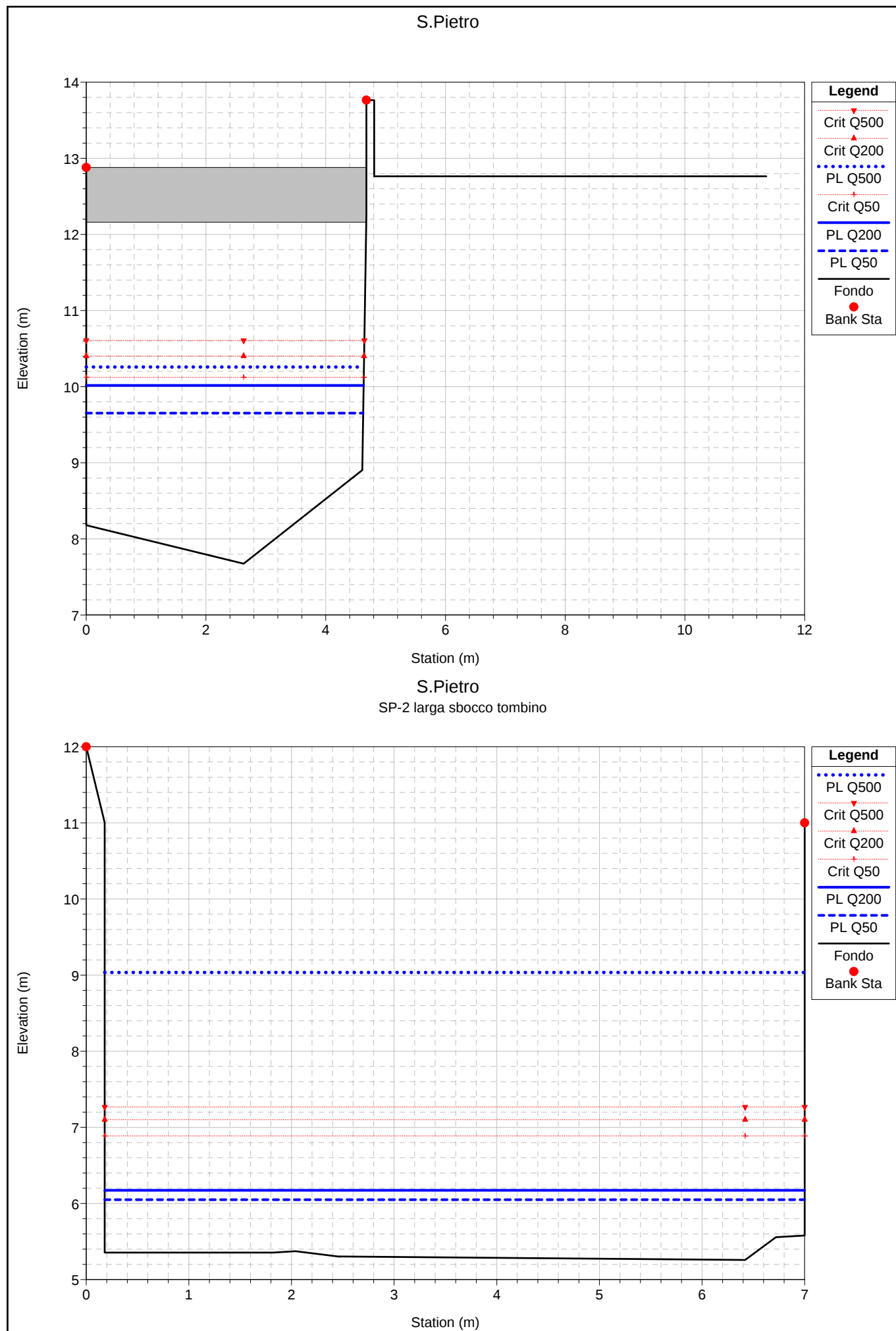


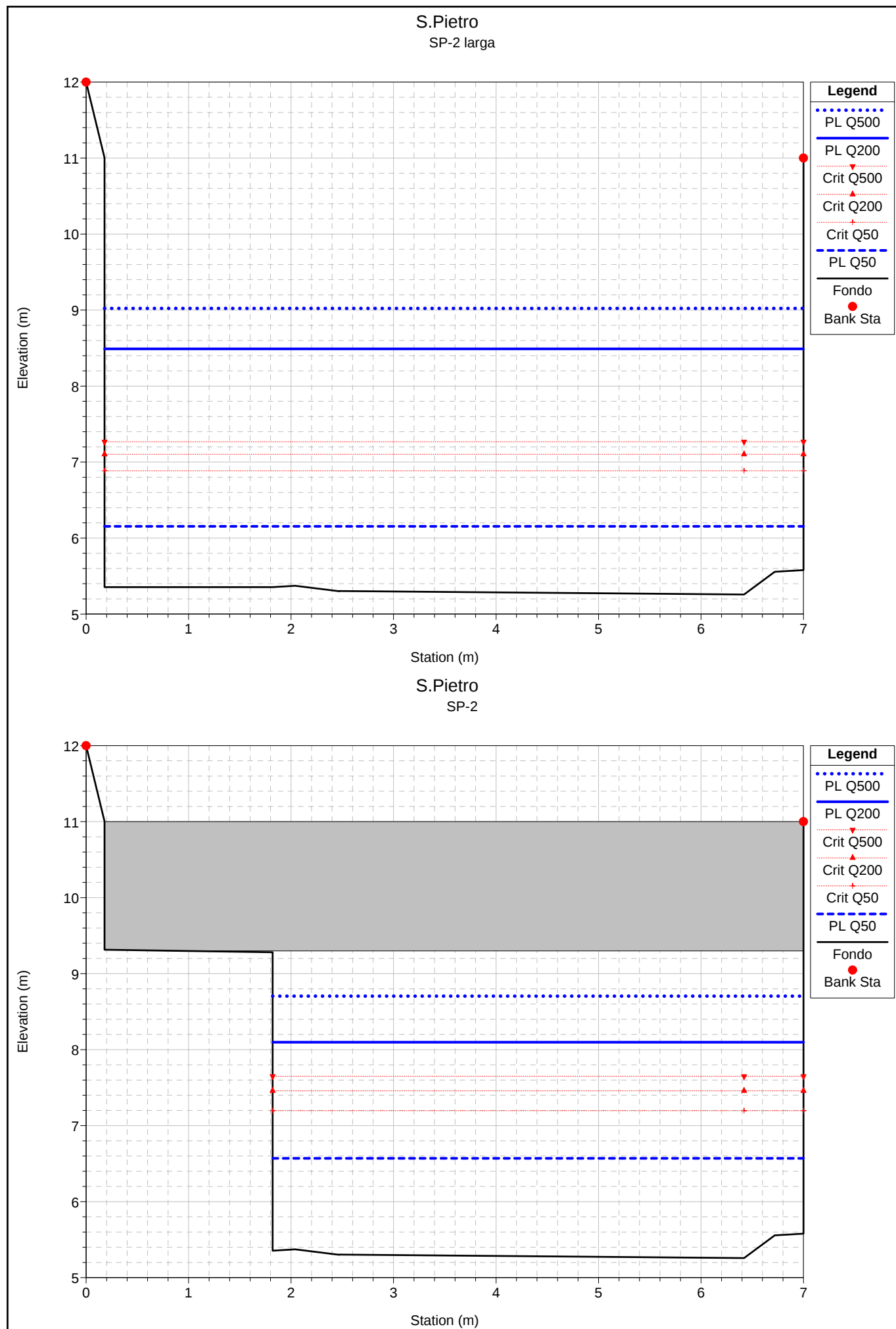


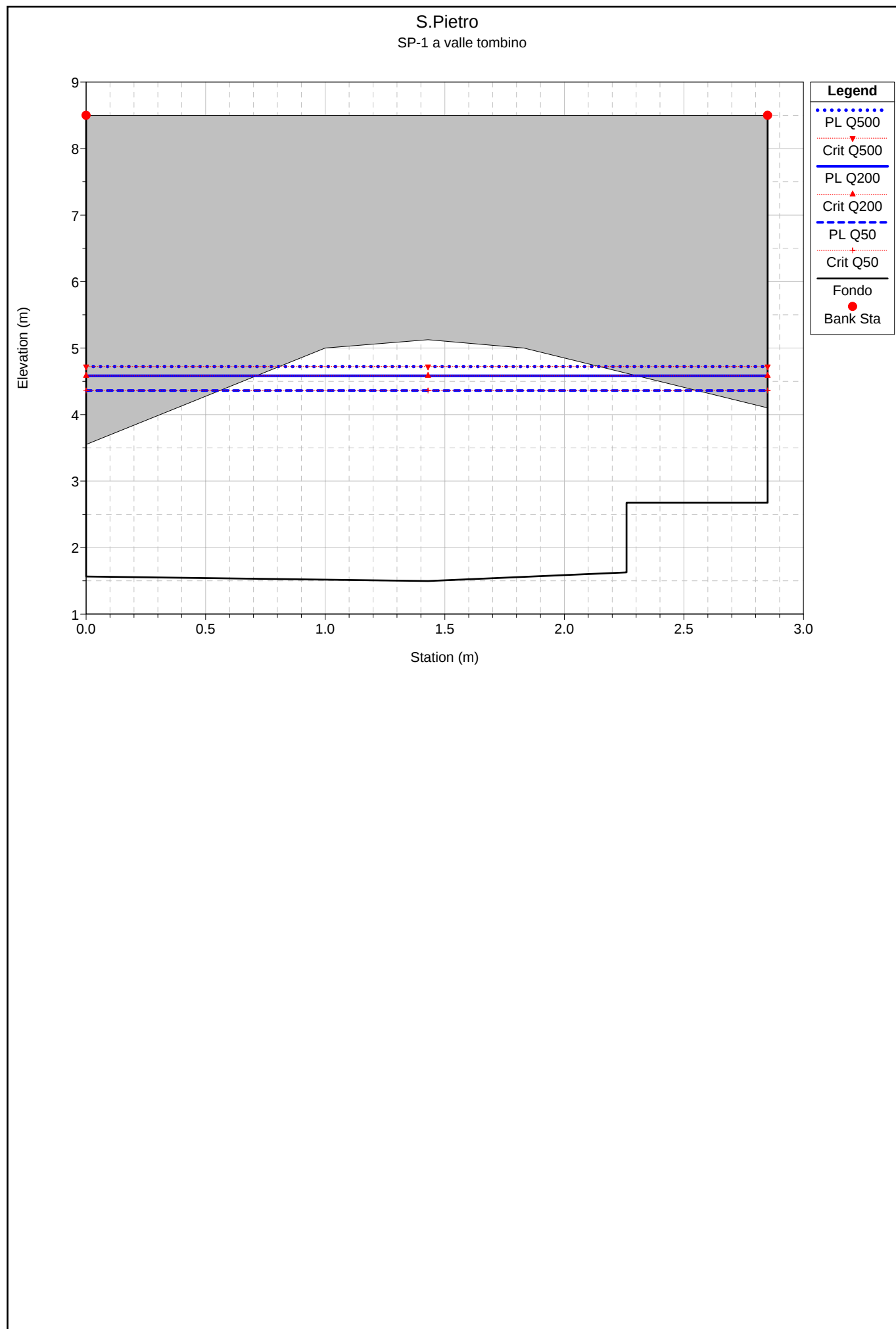












HEC-RAS Plan: S.Pietrodef River: S.Pietro Reach: S.Pietro

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
S.Pietro	11	Q50	42.00	39.93	42.00	42.38	0.38	42.33	0.33	42.00	42.78	0.011405	3.92	10.73	6.88	1.00
S.Pietro	11	Q200	51.00	39.93	42.24	42.38	0.14	42.33	0.09	42.24	43.10	0.011298	4.11	12.42	7.23	1.00
S.Pietro	11	Q500	58.00	39.93	42.53	42.38	-0.15	42.33	-0.20	42.53	43.32	0.008908	3.96	15.07	11.04	0.90
S.Pietro	10.5	Q50	42.00	35.73	36.80	38.18	1.38	38.13	1.33	37.80	41.09	0.122369	9.18	4.57	5.40	3.18
S.Pietro	10.5	Q200	51.00	35.73	36.96	38.18	1.22	38.13	1.17	38.04	41.44	0.110447	9.38	5.43	5.62	3.05
S.Pietro	10.5	Q500	58.00	35.73	37.05	38.18	1.13	38.13	1.08	38.33	41.84	0.109077	9.70	5.98	5.77	3.04
S.Pietro	10.1	Bridge														
S.Pietro	10	Q50	42.00	35.73	36.84	38.18	1.34	38.13	1.29	37.80	40.75	0.106956	8.76	4.79	5.45	2.98
S.Pietro	10	Q200	51.00	35.73	37.00	38.18	1.18	38.13	1.13	38.04	41.13	0.098324	9.01	5.66	5.68	2.88
S.Pietro	10	Q500	58.00	35.73	37.09	38.18	1.09	38.13	1.04	38.33	41.53	0.098000	9.33	6.21	5.82	2.88
S.Pietro	9	Q50	42.00	28.38	29.36	36.92	7.56	30.76	1.40	30.02	31.96	0.089480	7.14	5.88	9.21	2.85
S.Pietro	9	Q200	51.00	28.38	29.44	36.92	7.49	30.76	1.33	30.19	32.52	0.094569	7.78	6.55	9.31	2.96
S.Pietro	9	Q500	58.00	28.38	29.49	36.92	7.43	30.76	1.27	30.32	32.90	0.095599	8.17	7.10	9.39	3.00
S.Pietro	8	Q50	42.00	17.27	18.65	21.38	2.73	20.59	1.95	19.31	20.89	0.054138	6.64	6.33	7.24	2.27
S.Pietro	8	Q200	51.00	17.27	20.49	21.38	0.89	20.59	0.10	19.51	20.74	0.002096	2.19	23.28	10.61	0.47
S.Pietro	8	Q500	58.00	17.27	21.38	21.38	0.00	20.59	-0.79	19.66	21.52	0.000928	1.69	37.29	18.95	0.31
S.Pietro	7.6	Q50	42.00	14.78	19.51	21.42	1.92	19.22	-0.28	16.52	19.55	0.000268	0.98	44.03	13.17	0.16
S.Pietro	7.6	Q200	51.00	14.78	20.62	21.42	0.80	19.22	-1.40	16.69	20.66	0.000179	0.90	58.79	13.32	0.13
S.Pietro	7.6	Q500	58.00	14.78	21.44	21.42	-0.02	19.22	-2.22	16.82	21.48	0.000144	0.87	69.78	13.43	0.12
S.Pietro	7.5	Q50	42.00	14.78	19.50	21.42	1.92	19.22	-0.28	16.52	19.55	0.000268	0.98	44.03	13.17	0.16
S.Pietro	7.5	Q200	51.00	14.78	20.62	21.42	0.80	19.22	-1.40	16.69	20.66	0.000179	0.90	58.79	13.32	0.13
S.Pietro	7.5	Q500	58.00	14.78	21.44	21.42	-0.02	19.22	-2.22	16.82	21.48	0.000144	0.87	69.78	13.43	0.12
S.Pietro	7	Bridge														
S.Pietro	6.9	Q50	42.00	14.65	16.02	22.61	6.60	20.15	4.13	16.83	19.09	0.095940	7.77	5.41	6.81	2.78
S.Pietro	6.9	Q200	51.00	14.65	16.07	22.61	6.54	20.15	4.07	17.04	20.03	0.116847	8.82	5.78	6.97	3.09
S.Pietro	6.9	Q500	58.00	14.65	16.10	22.61	6.51	20.15	4.05	17.18	20.88	0.136973	9.69	5.99	7.04	3.35
S.Pietro	6.8	Q50	42.00	14.65	16.04	22.61	6.57	17.89	1.85	16.83	18.95	0.088835	7.56	5.56	6.87	2.68
S.Pietro	6.8	Q200	51.00	14.65	16.09	22.61	6.52	17.89	1.80	17.05	19.86	0.109004	8.60	5.93	7.02	2.99
S.Pietro	6.8	Q500	58.00	14.65	16.12	22.61	6.49	17.89	1.77	17.19	20.68	0.127619	9.47	6.13	7.05	3.24
S.Pietro	6	Q50	42.00	14.36	15.68	18.89	3.21	15.90	0.22	16.33	17.82	0.048430	6.48	6.48	6.79	2.12
S.Pietro	6	Q200	51.00	14.36	15.75	18.89	3.13	15.90	0.15	16.53	18.47	0.057401	7.30	6.99	6.90	2.32
S.Pietro	6	Q500	58.00	14.36	15.79	18.89	3.09	15.90	0.11	16.66	19.04	0.066115	7.98	7.27	6.94	2.49
S.Pietro	5.1	Q50	42.00	10.55	11.45	13.07	1.62	15.29	3.84	12.07	13.77	0.074343	6.75	6.22	8.60	2.53
S.Pietro	5.1	Q200	51.00	10.55	11.56	13.07	1.50	15.29	3.73	12.25	14.12	0.069868	7.09	7.19	8.60	2.48
S.Pietro	5.1	Q500	58.00	10.55	11.65	13.07	1.42	15.29	3.65	12.39	14.37	0.066562	7.31	7.93	8.60	2.43

HEC-RAS Plan: S.Pietrodef River: S.Pietro Reach: S.Pietro (Continued)

Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	LOB Elev (m)	L. Freeboard (m)	ROB Elev (m)	R. Freeboard (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
S.Pietro	5.05	Q50	42.00	10.45	11.47	13.07	1.60	15.29	3.83	11.98	13.18	0.046411	5.80	7.24	8.60	2.02
S.Pietro	5.05	Q200	51.00	10.45	11.58	13.07	1.49	15.29	3.72	12.16	13.55	0.046630	6.23	8.19	8.60	2.04
S.Pietro	5.05	Q500	58.00	10.45	11.66	13.07	1.40	15.29	3.63	12.29	13.81	0.046209	6.49	8.93	8.60	2.03
S.Pietro	5.01	Bridge														
S.Pietro	5	Q50	42.00	10.20	11.84	15.75	3.91	12.58	0.73	12.10	12.79	0.017928	4.31	9.74	9.21	1.34
S.Pietro	5	Q200	51.00	10.20	11.91	15.75	3.85	12.58	0.67	12.28	13.15	0.022547	4.94	10.33	9.48	1.51
S.Pietro	5	Q500	58.00	10.20	11.97	15.75	3.78	12.58	0.61	12.40	13.40	0.024979	5.30	10.95	9.75	1.60
S.Pietro	3.1	Q50	42.00	7.67	9.63	12.88	3.25	13.76	4.14	10.12	11.40	0.031662	5.90	7.12	4.63	1.52
S.Pietro	3.1	Q200	51.00	7.67	9.97	12.88	2.91	13.76	3.80	10.40	11.72	0.026985	5.86	8.70	4.63	1.36
S.Pietro	3.1	Q500	58.00	7.67	10.22	12.88	2.66	13.76	3.54	10.60	11.97	0.024750	5.86	9.90	4.64	1.28
S.Pietro	3	Bridge														
S.Pietro	2.9	Q50	42.00	5.26	6.05	12.00	5.95	11.00	4.95	6.89	9.71	0.124691	8.47	4.96	6.82	3.17
S.Pietro	2.9	Q200	51.00	5.26	6.17	12.00	5.83	11.00	4.83	7.10	10.11	0.113403	8.79	5.80	6.82	3.04
S.Pietro	2.9	Q500	58.00	5.26	9.04	12.00	2.96	11.00	1.96	7.27	9.30	0.002161	2.29	25.32	6.82	0.38
S.Pietro	2.1	Q50	42.00	5.26	6.15	12.00	5.85	11.00	4.85	6.89	8.95	0.082321	7.40	5.67	6.82	2.59
S.Pietro	2.1	Q200	51.00	5.26	8.49	12.00	3.51	11.00	2.51	7.10	8.77	0.002549	2.36	21.60	6.82	0.42
S.Pietro	2.1	Q500	58.00	5.26	9.02	12.00	2.98	11.00	1.98	7.27	9.29	0.002181	2.30	25.23	6.82	0.38
S.Pietro	2	Q50	42.00	5.26	6.57	9.30	2.73	9.30	2.73	7.20	8.69	0.045239	6.44	6.52	5.18	1.83
S.Pietro	2	Q200	51.00	5.26	8.10	9.30	1.20	9.30	1.20	7.46	8.73	0.007420	3.53	14.44	5.18	0.68
S.Pietro	2	Q500	58.00	5.26	8.70	9.30	0.60	9.30	0.60	7.65	9.26	0.005756	3.30	17.58	5.18	0.57
S.Pietro	0.9	Q50	42.00	1.50	4.36	3.55	-0.81	4.10	-0.26	4.36	6.14	0.041272	5.91	7.10	1.99	1.00
S.Pietro	0.9	Q200	51.00	1.50	4.58	3.55	-1.03	4.10	-0.48	4.58	6.94	0.055504	6.80	7.50	1.59	1.00
S.Pietro	0.9	Q500	58.00	1.50	4.72	3.55	-1.17	4.10	-0.62	4.72	7.61	0.069248	7.53	7.70	1.34	1.00