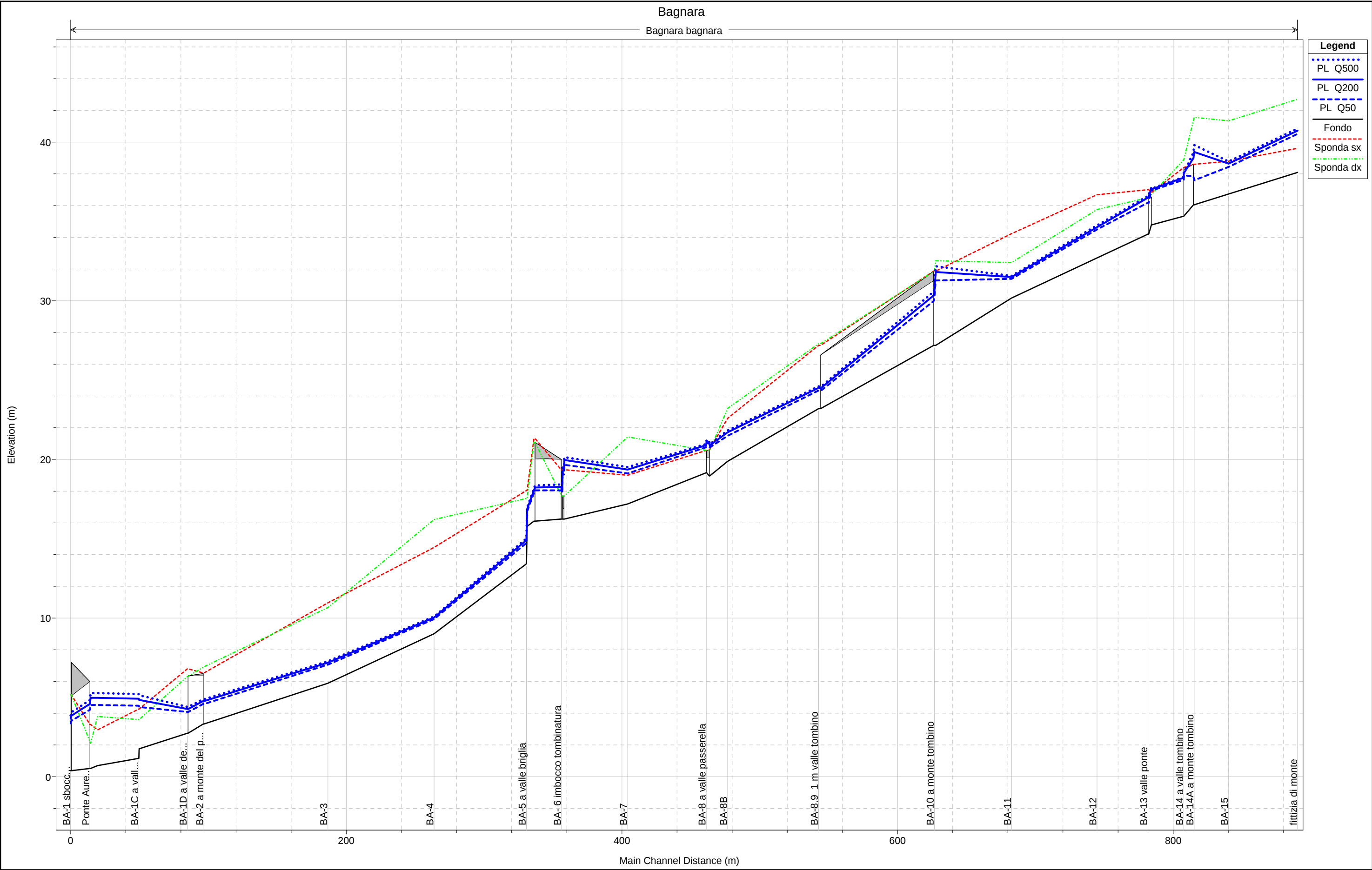
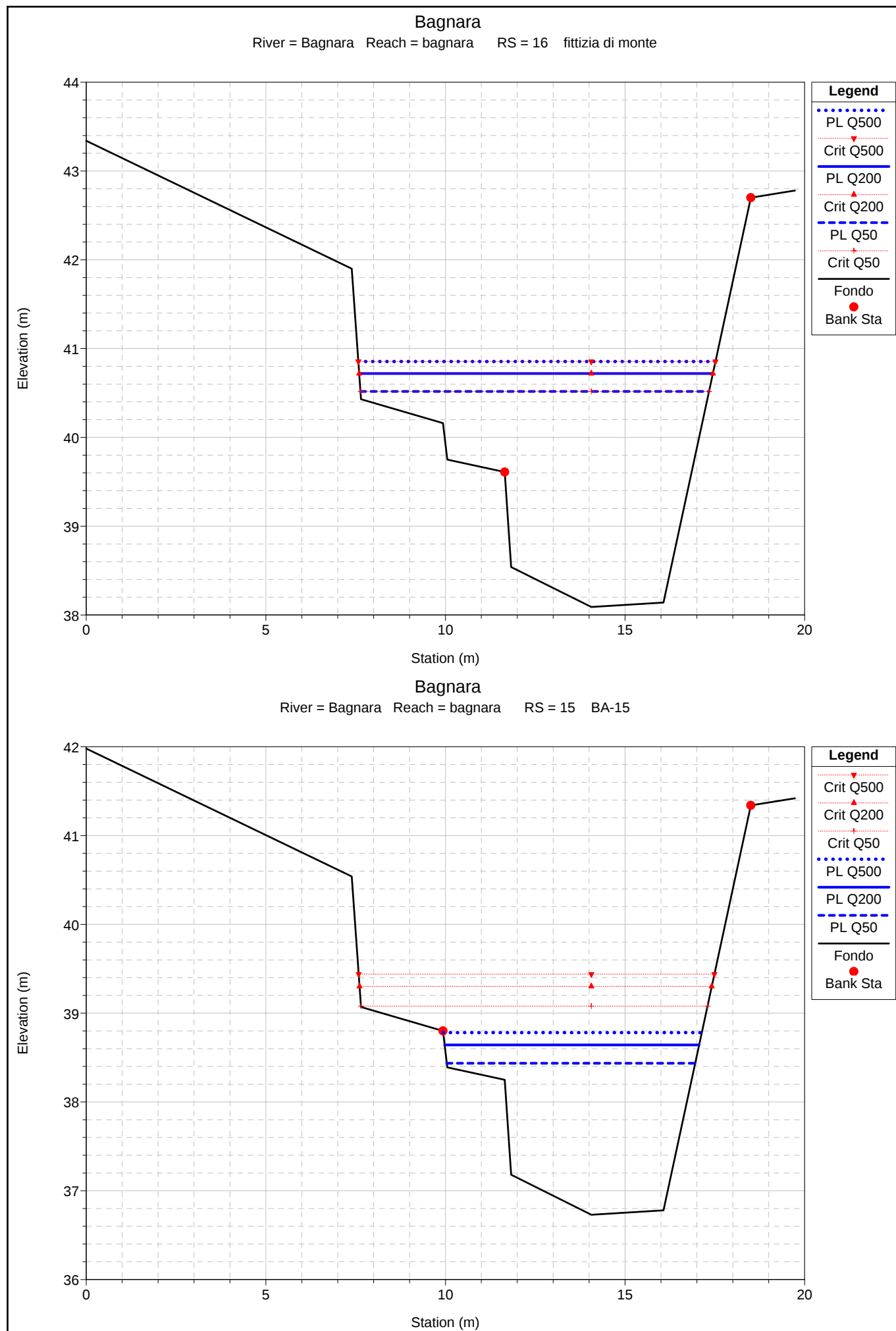


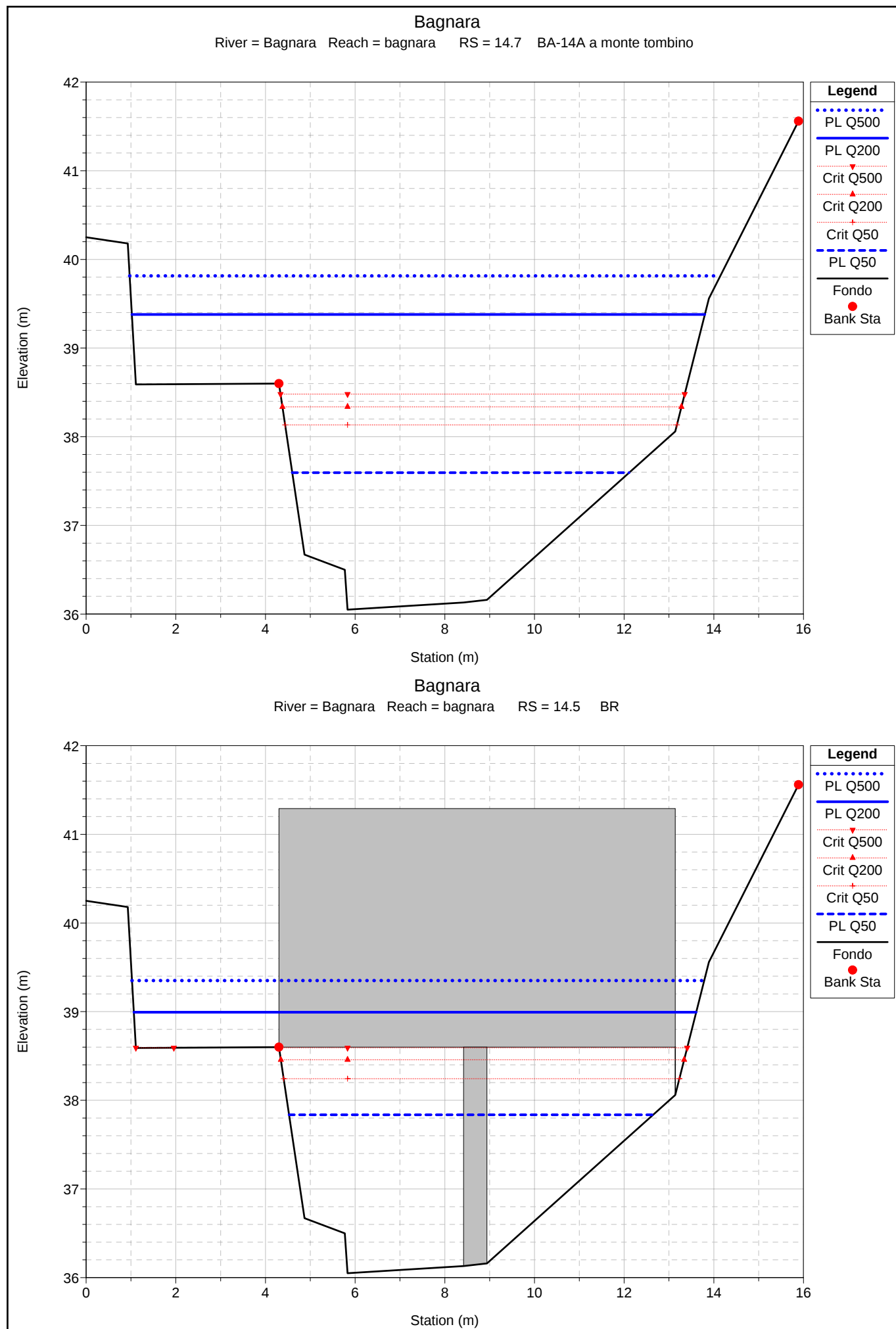
Rio Bagnara

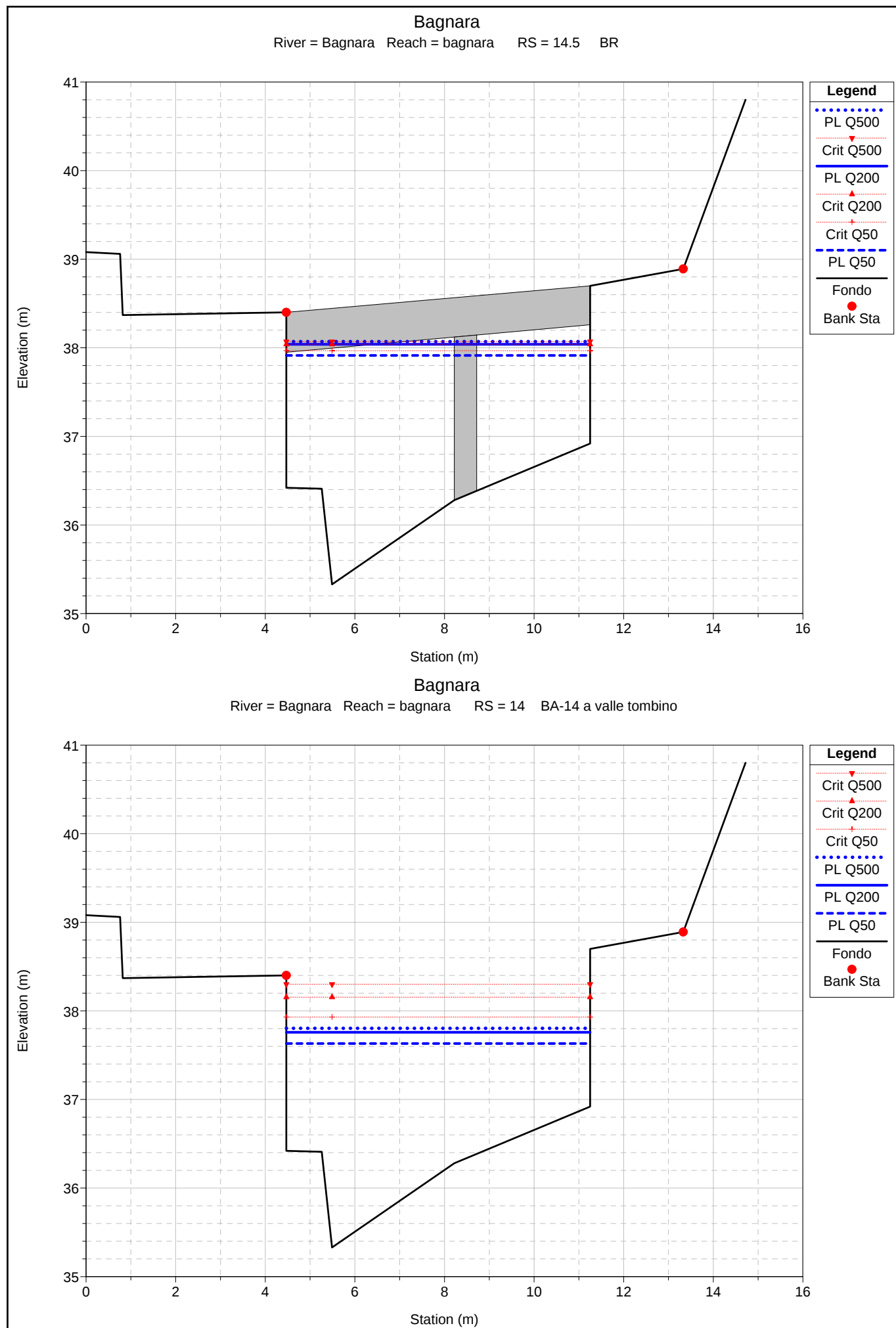
dalla sezione BA15 alla BA1

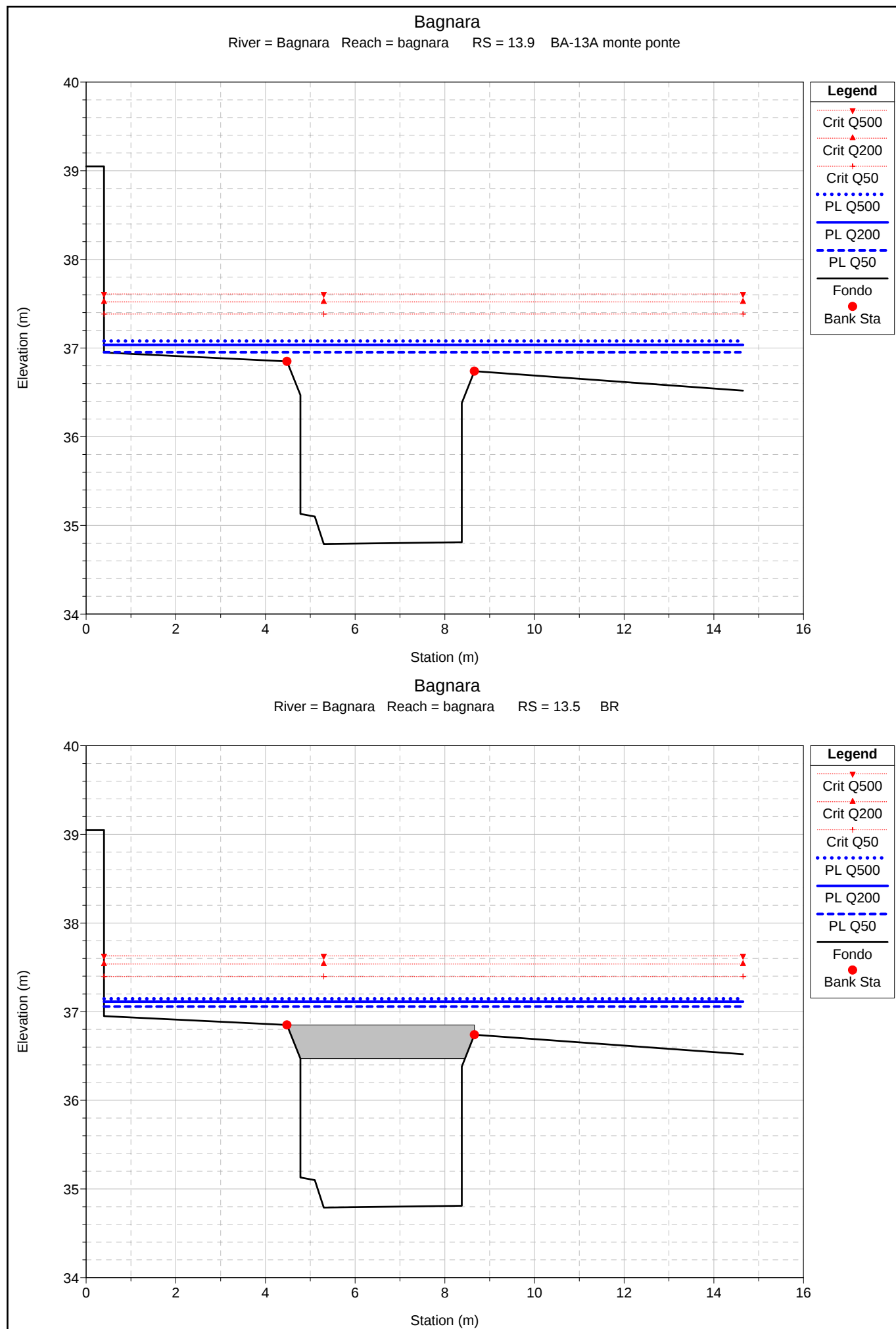
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

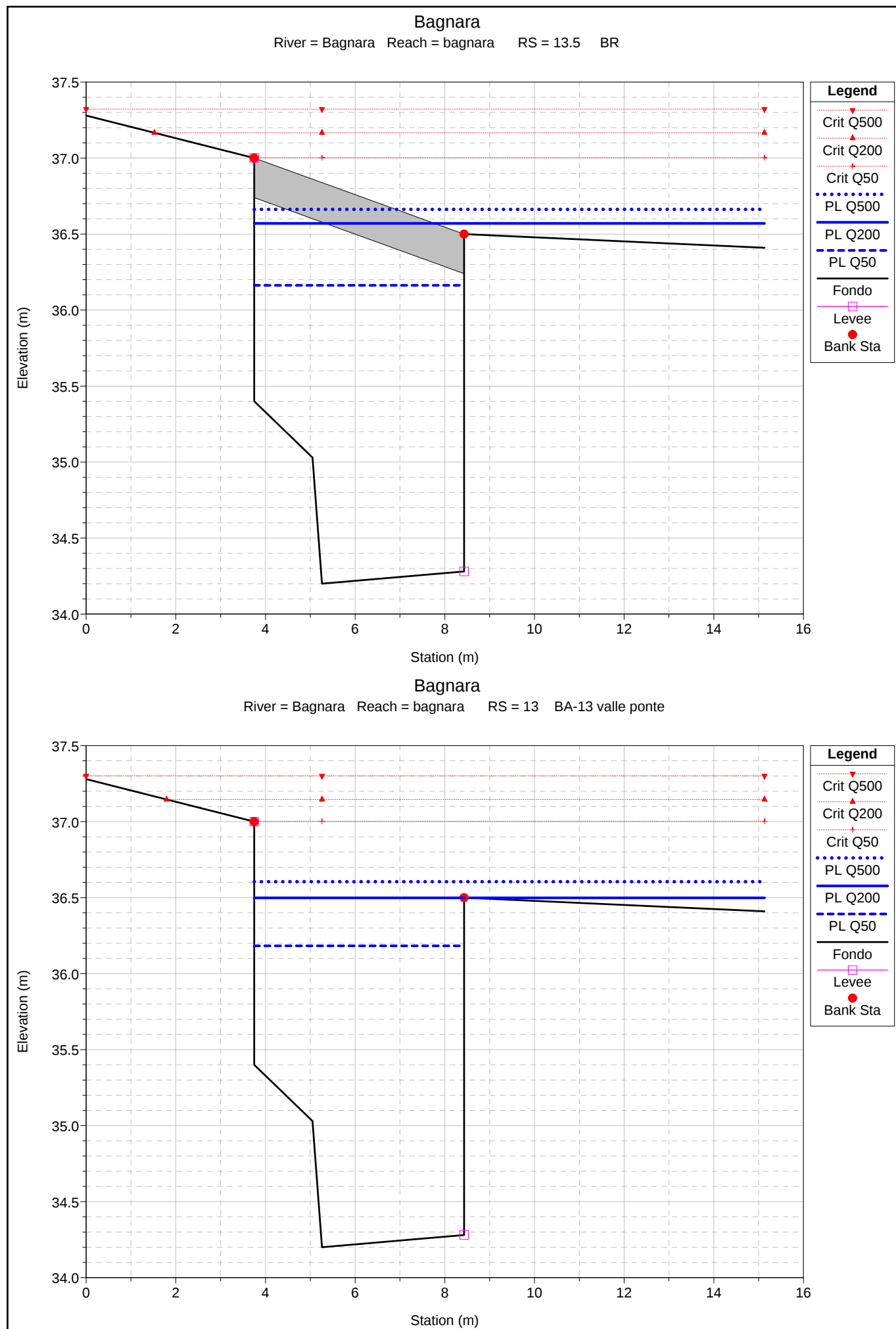


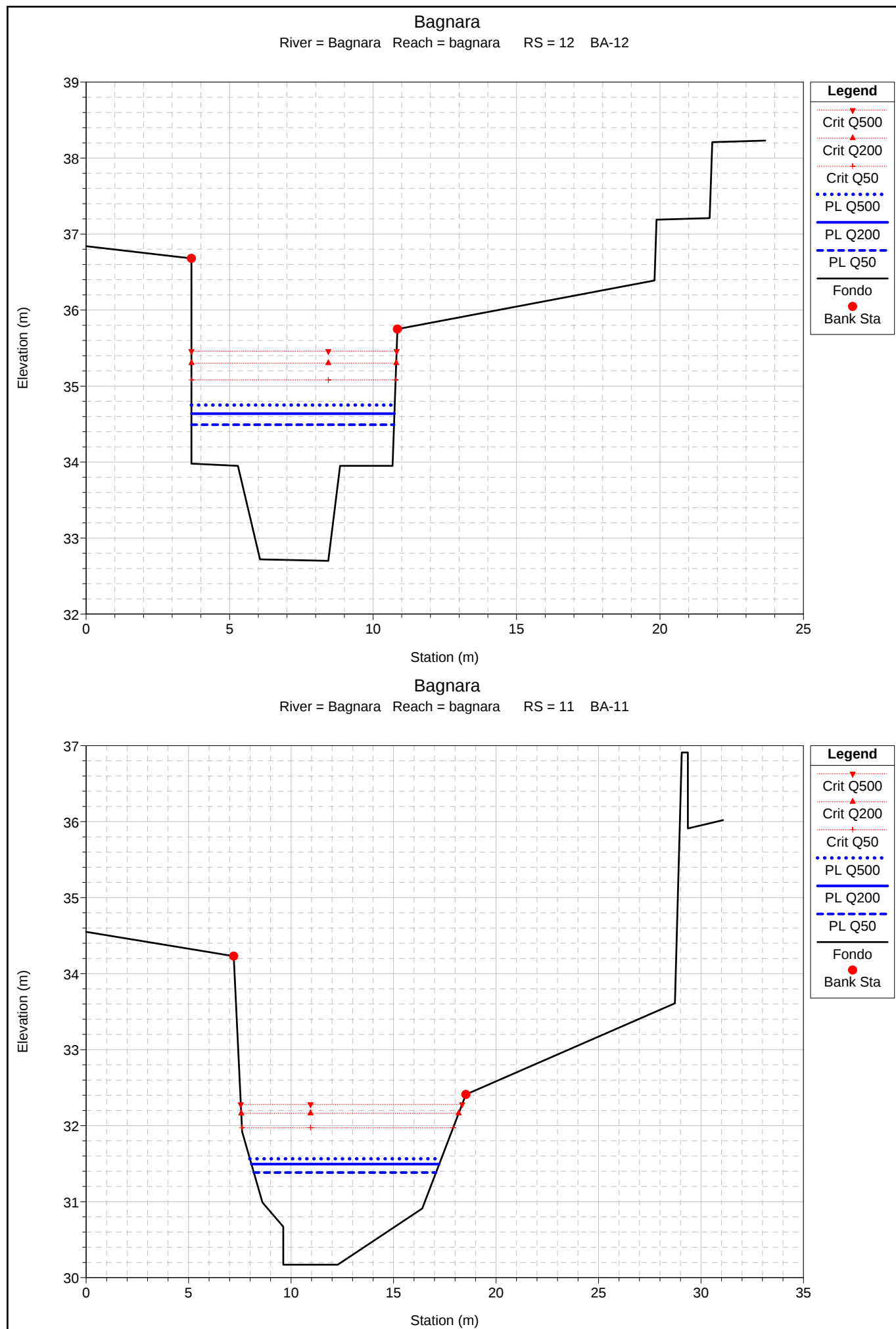


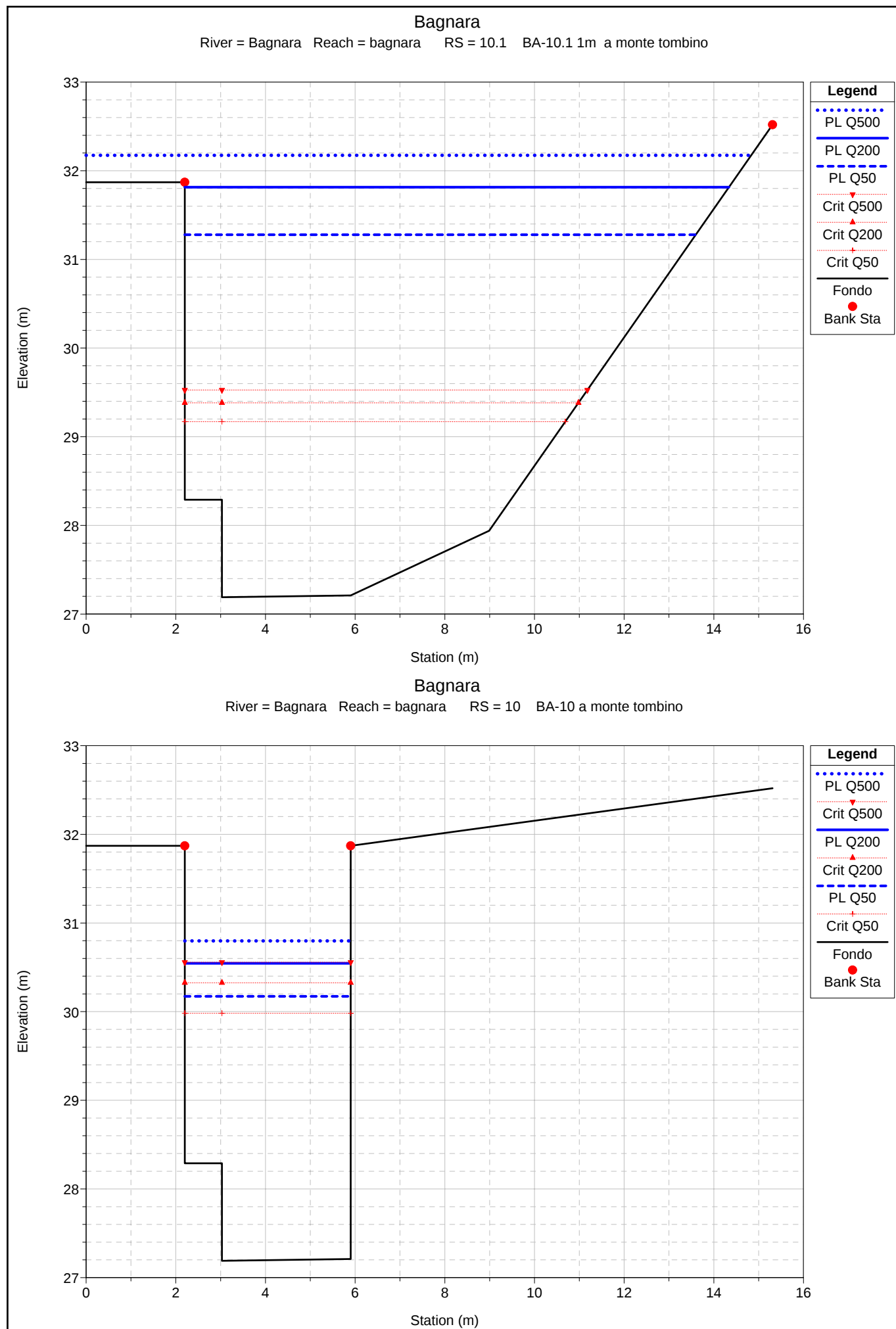


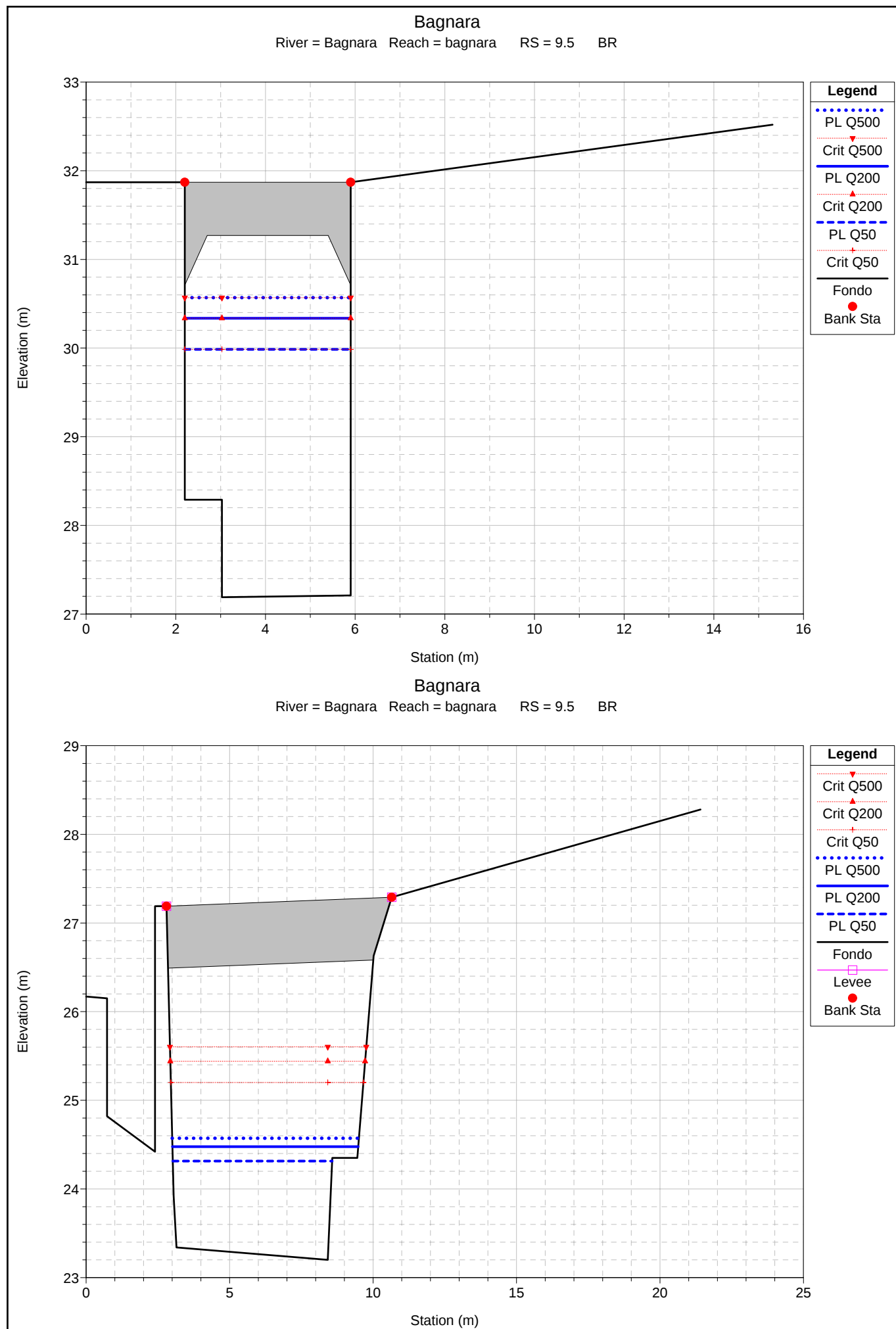


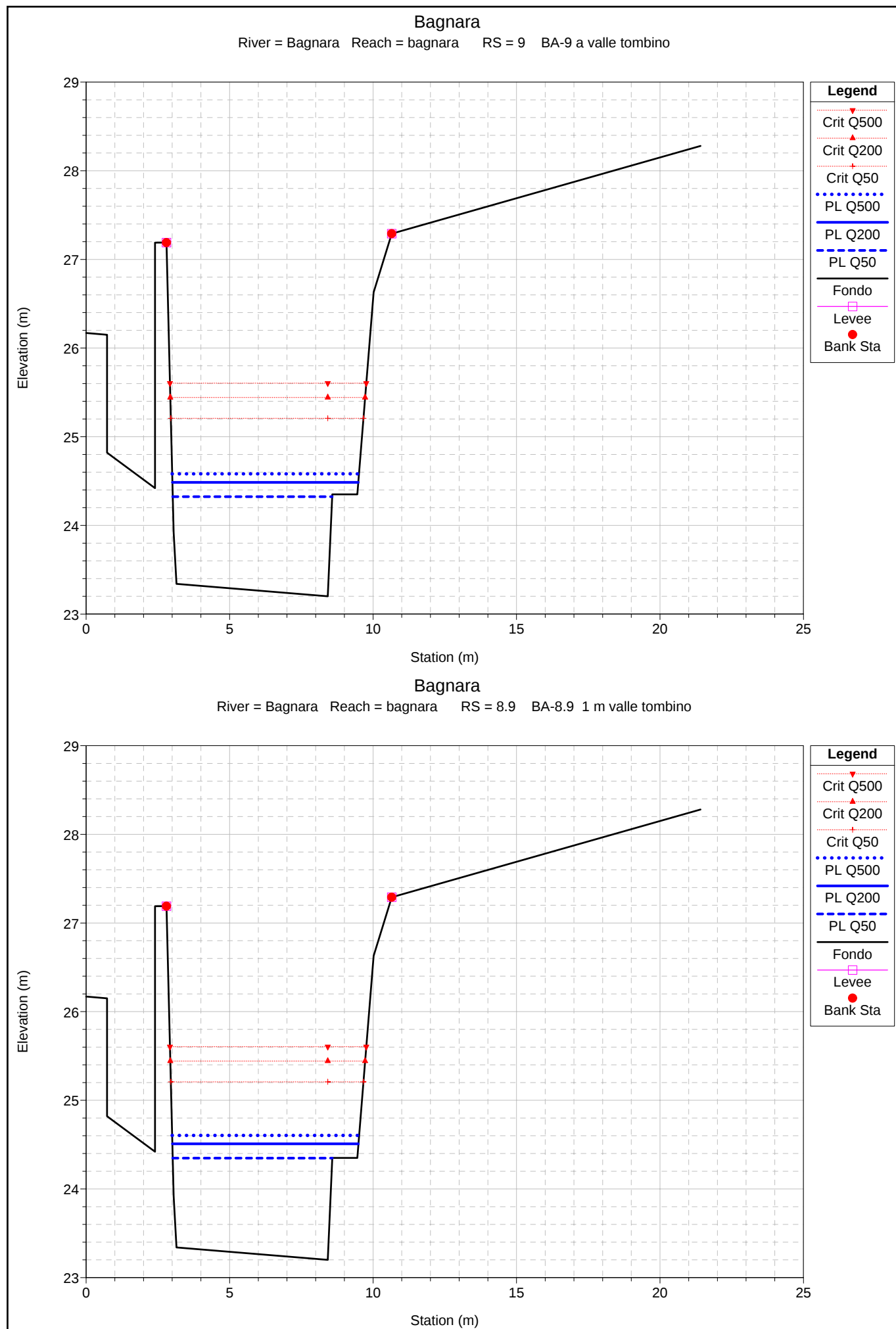


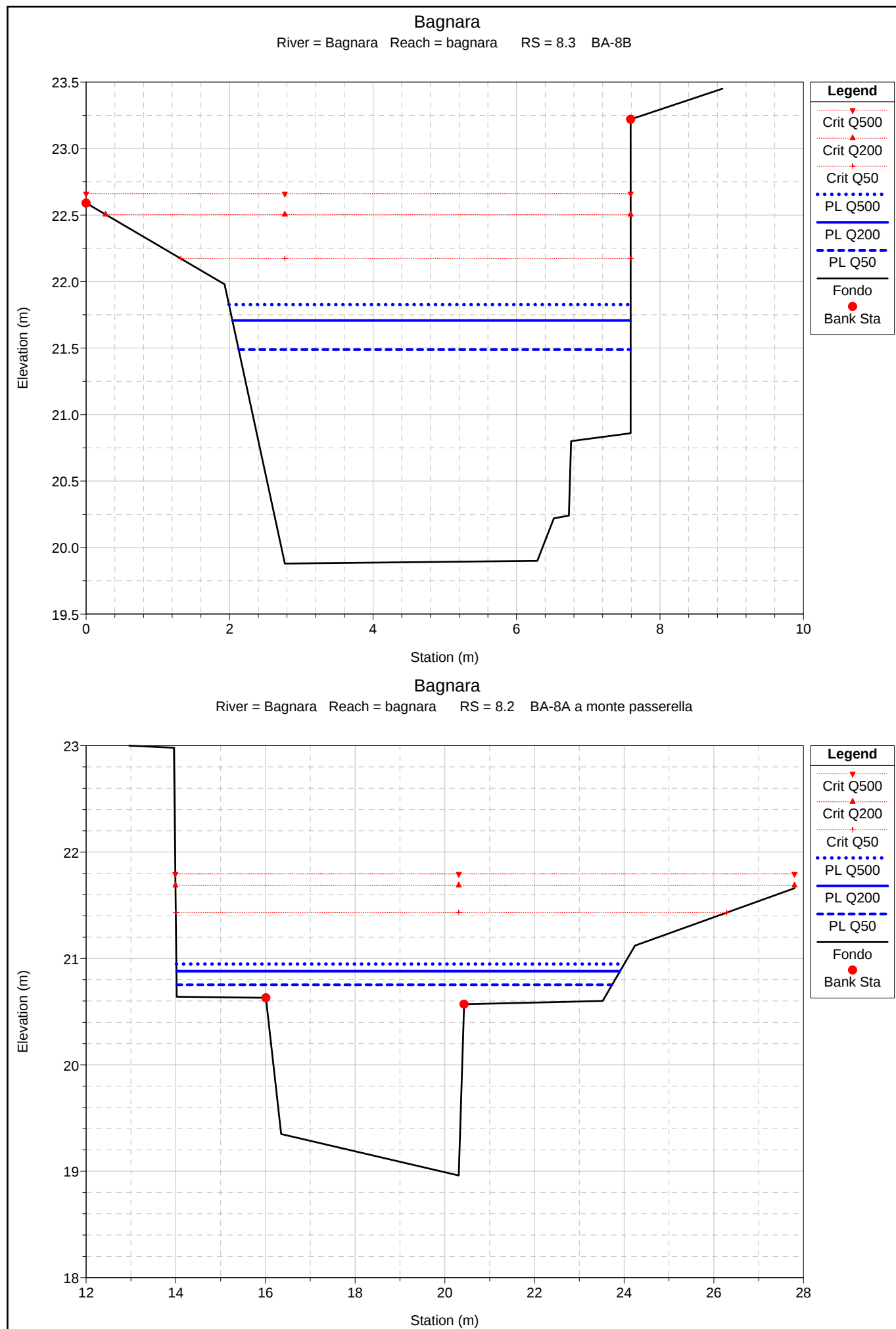


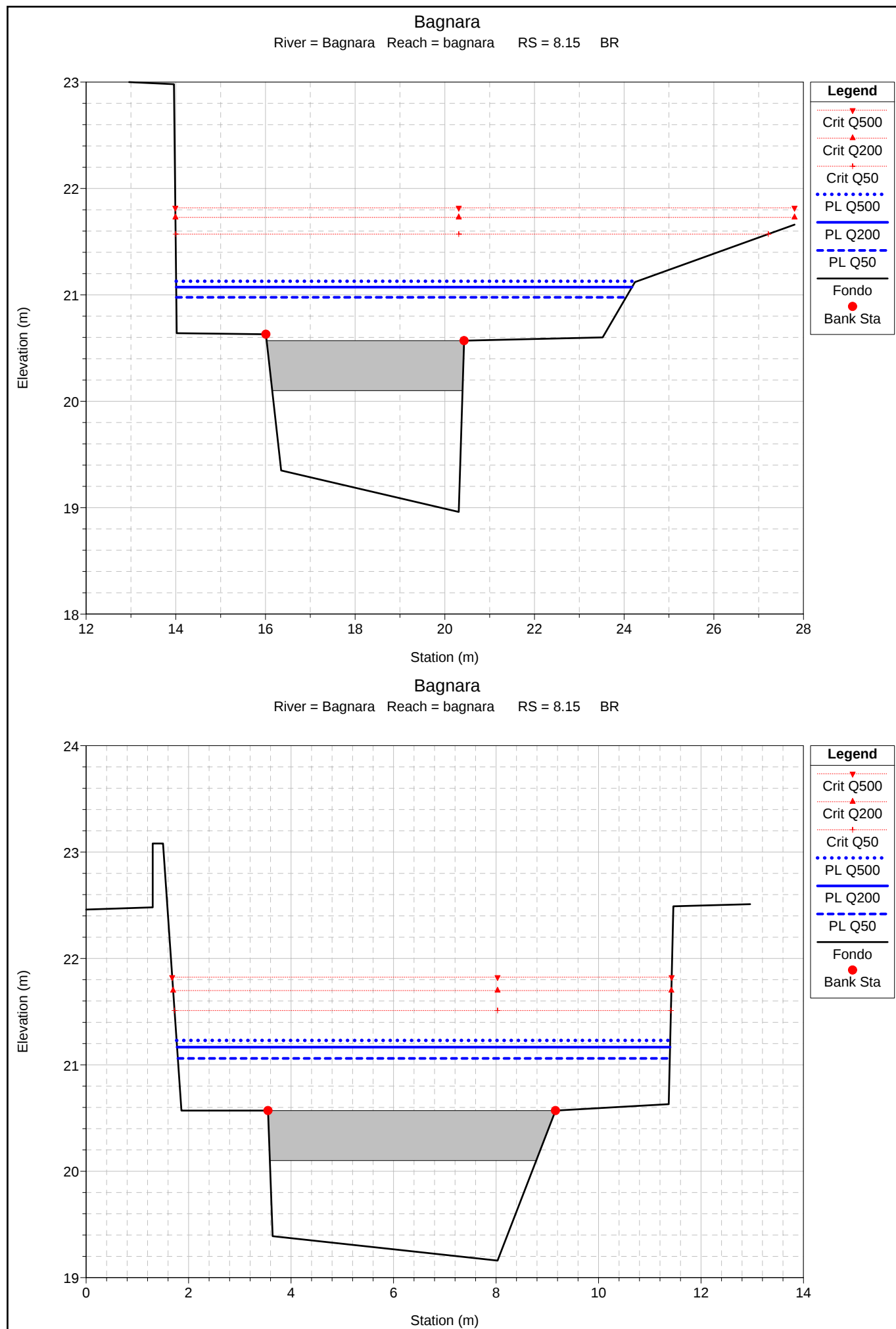


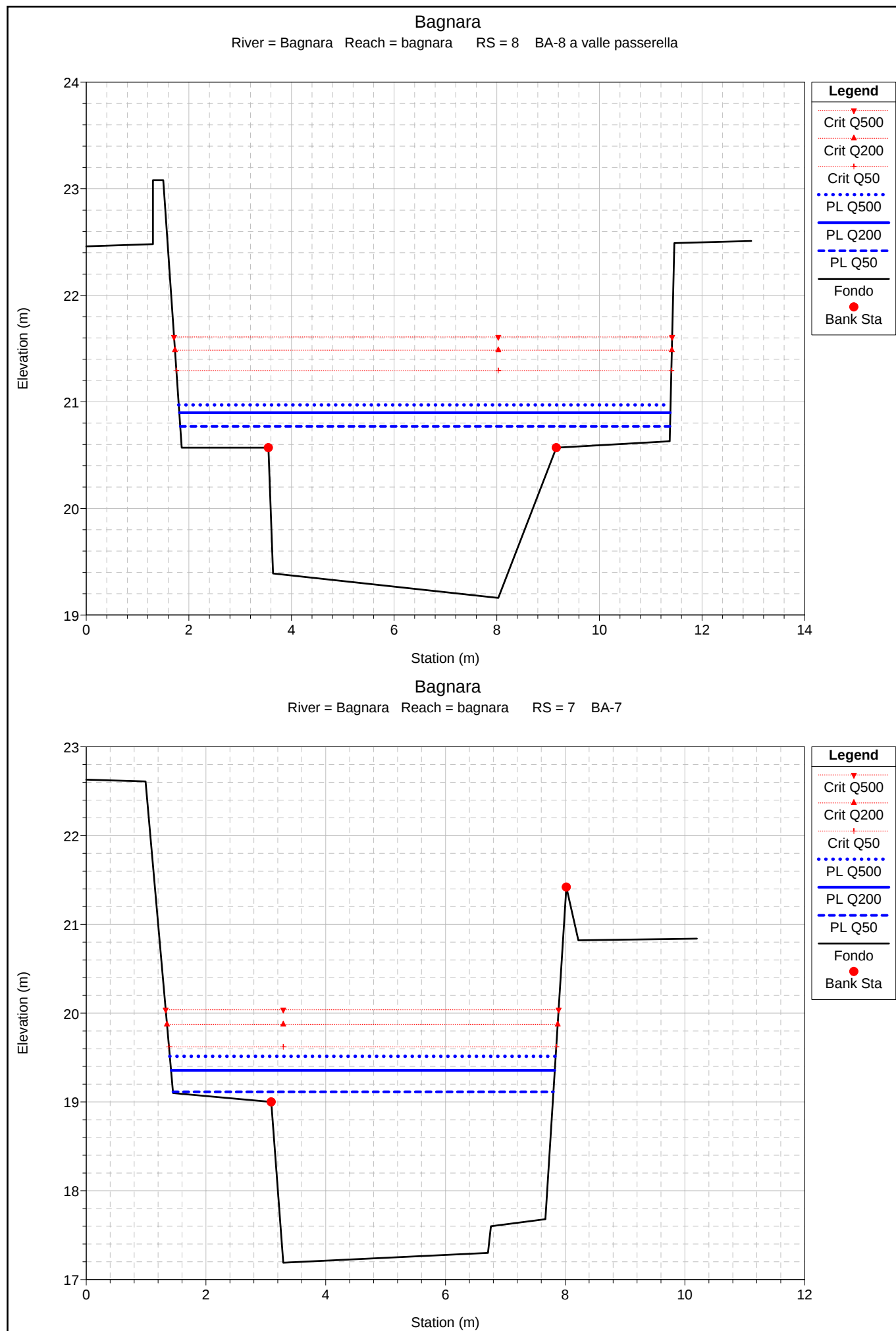


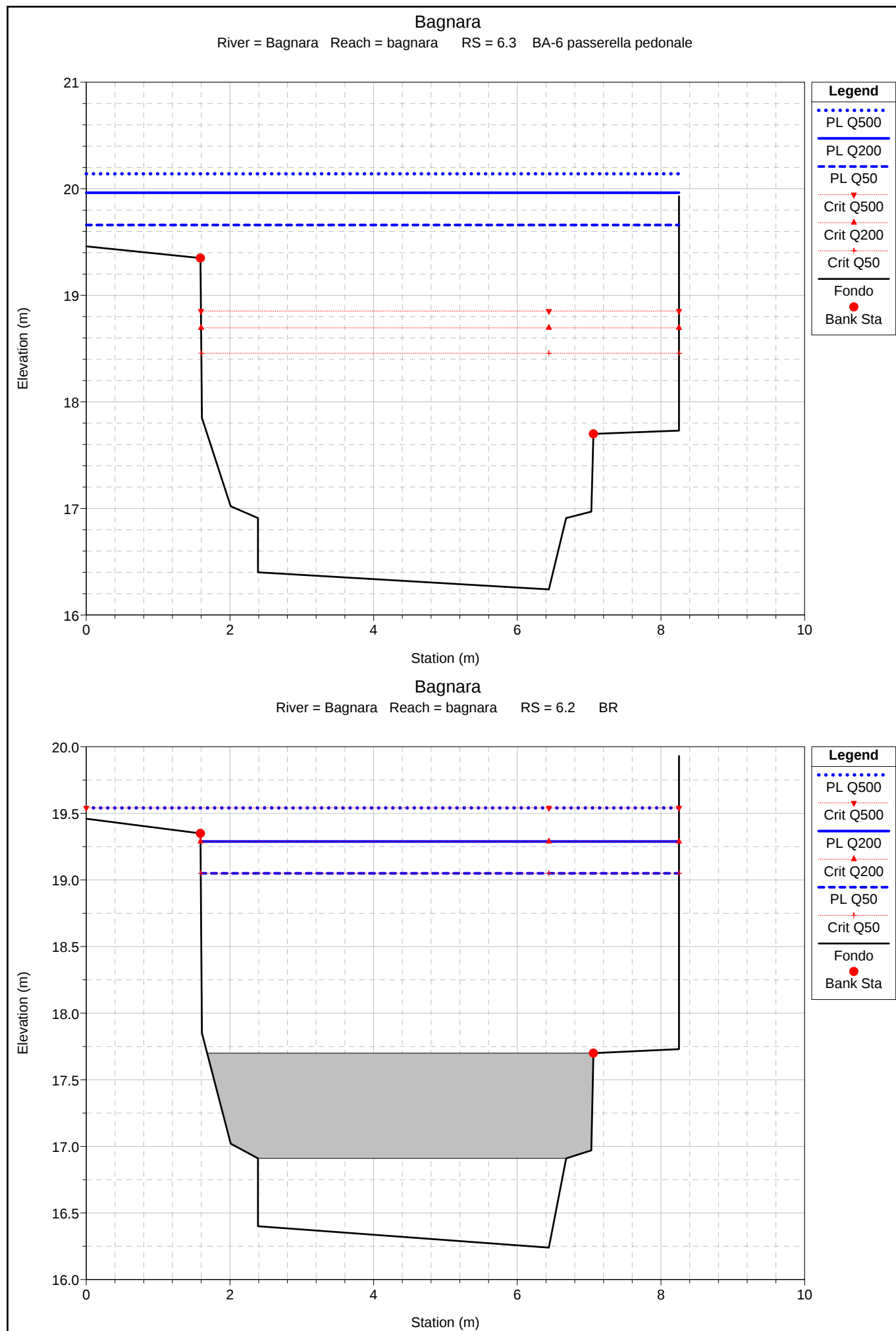


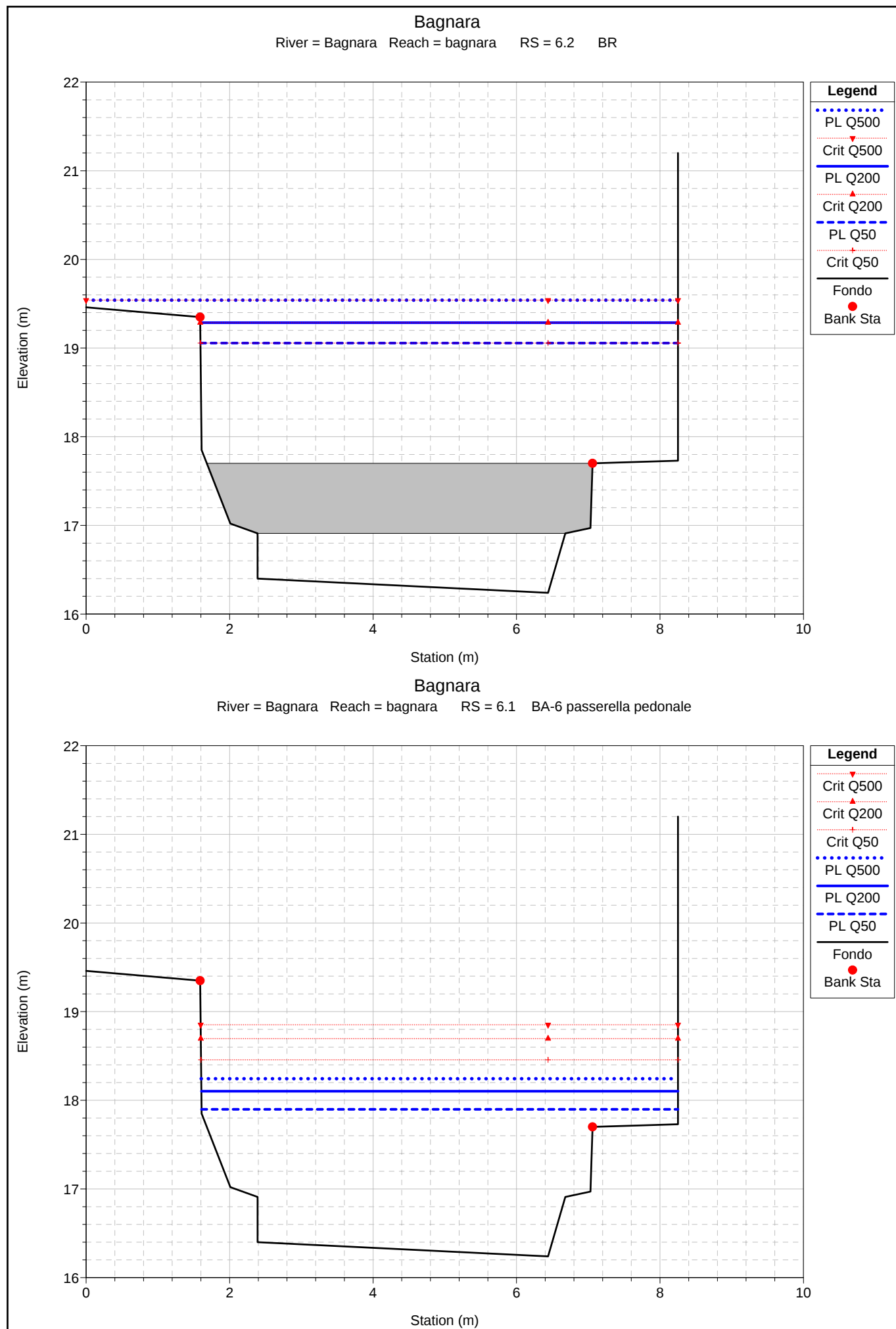


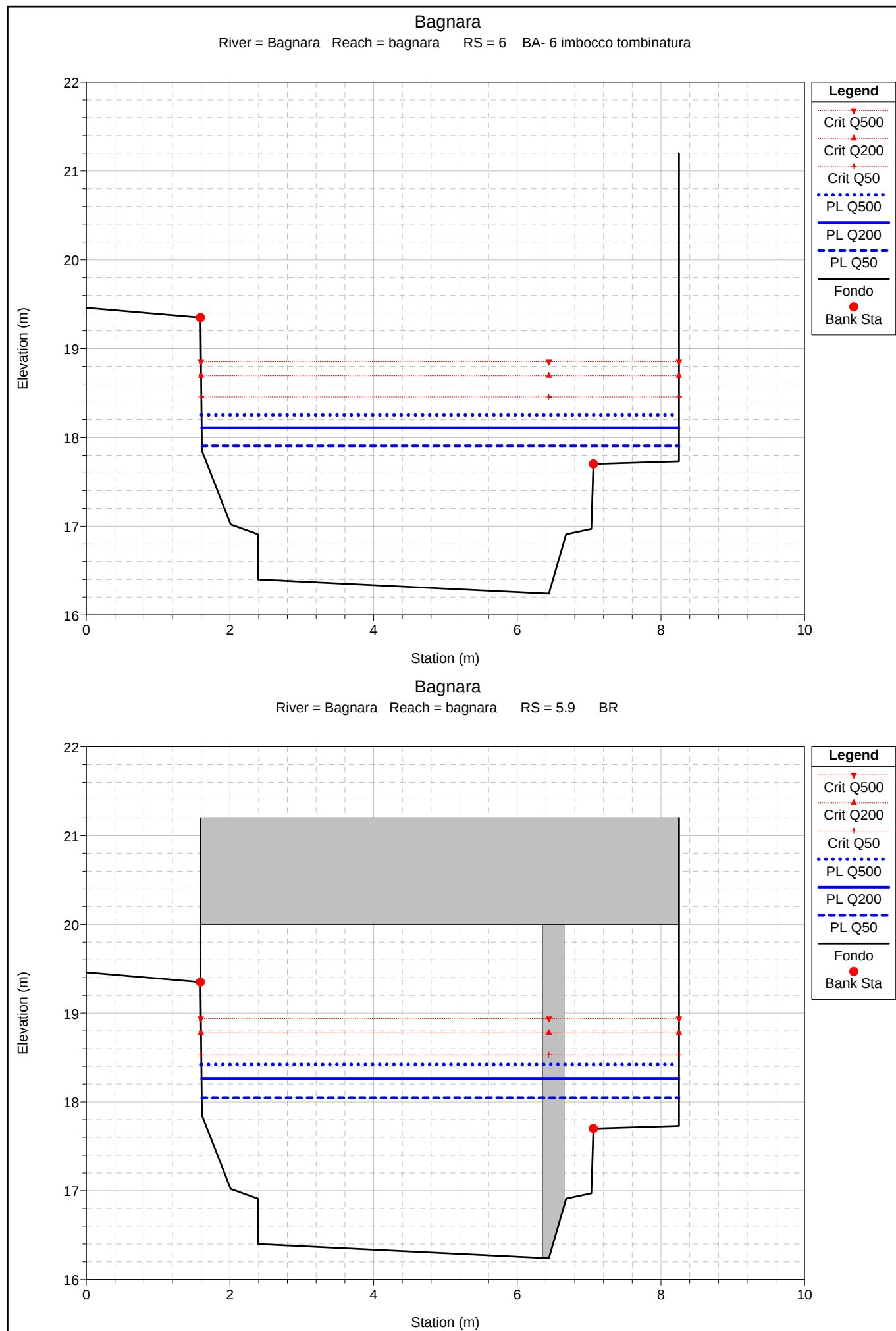


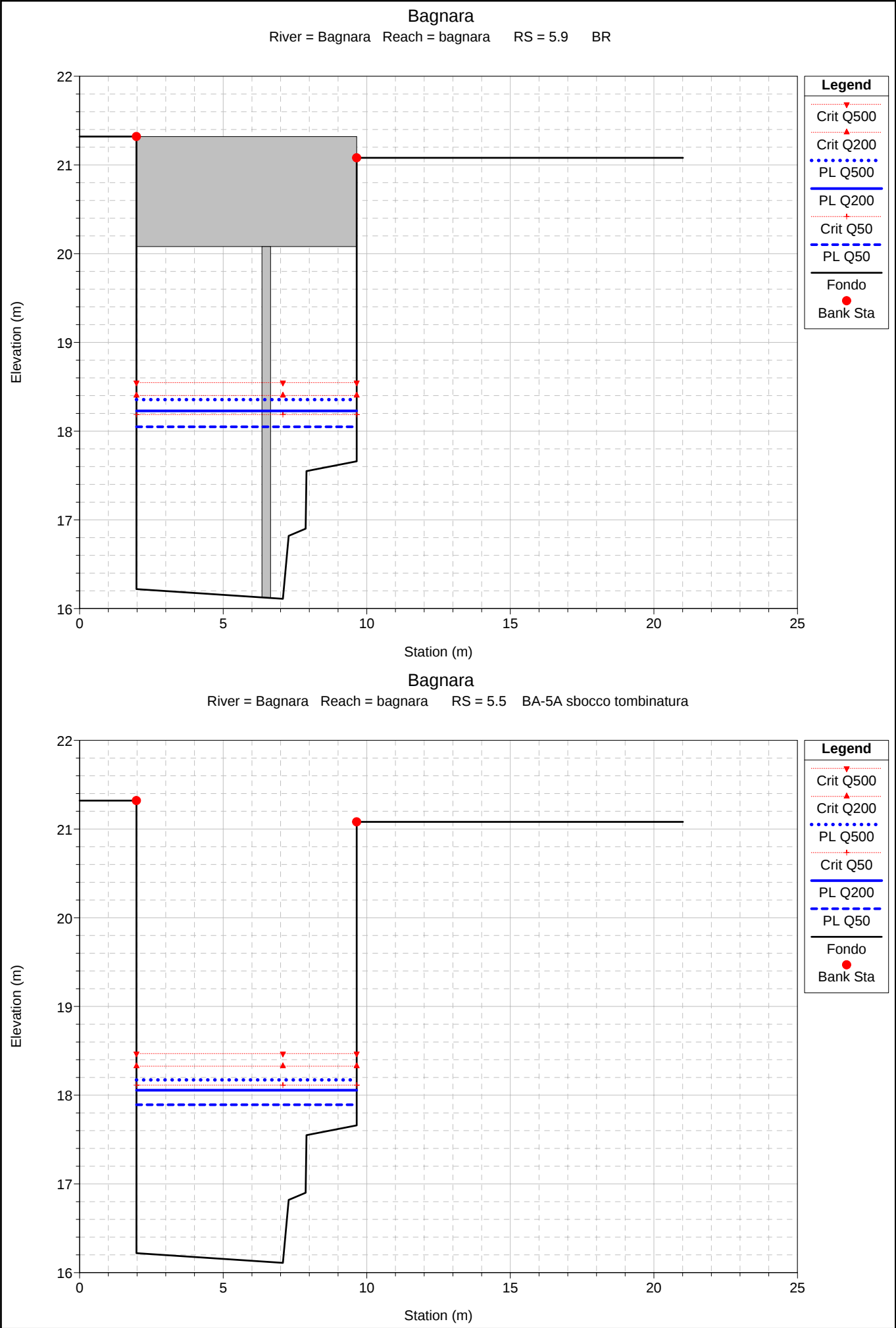


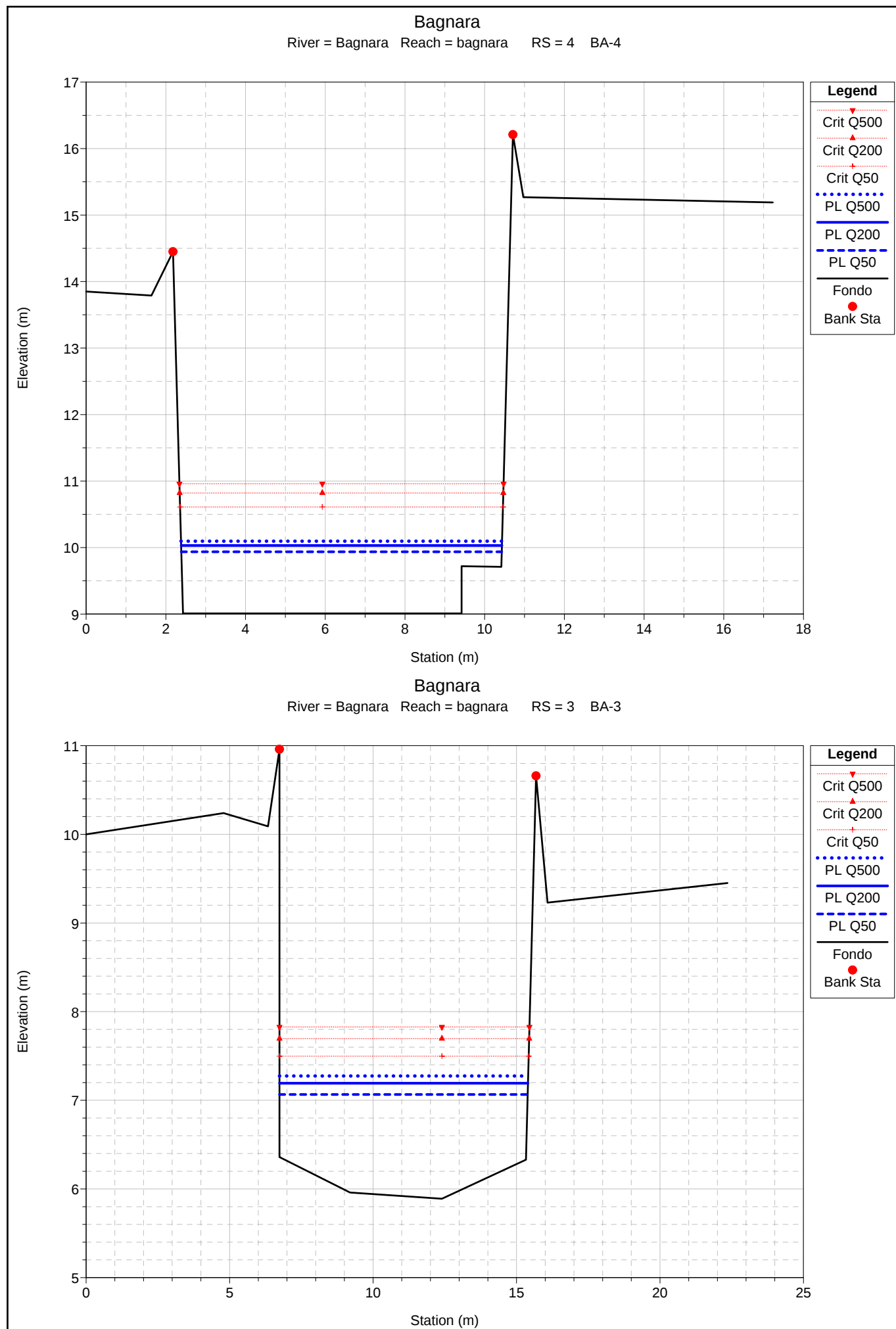


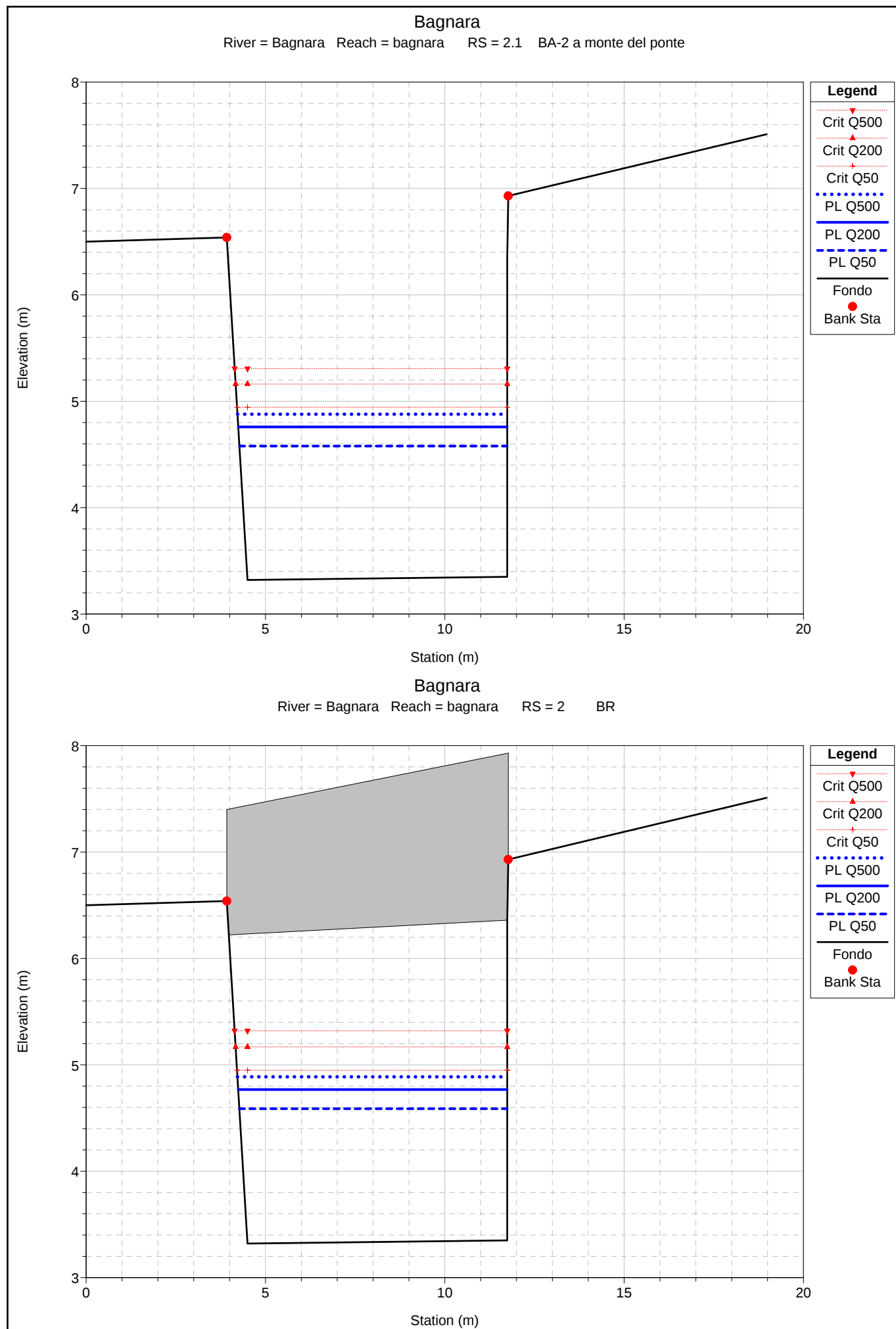


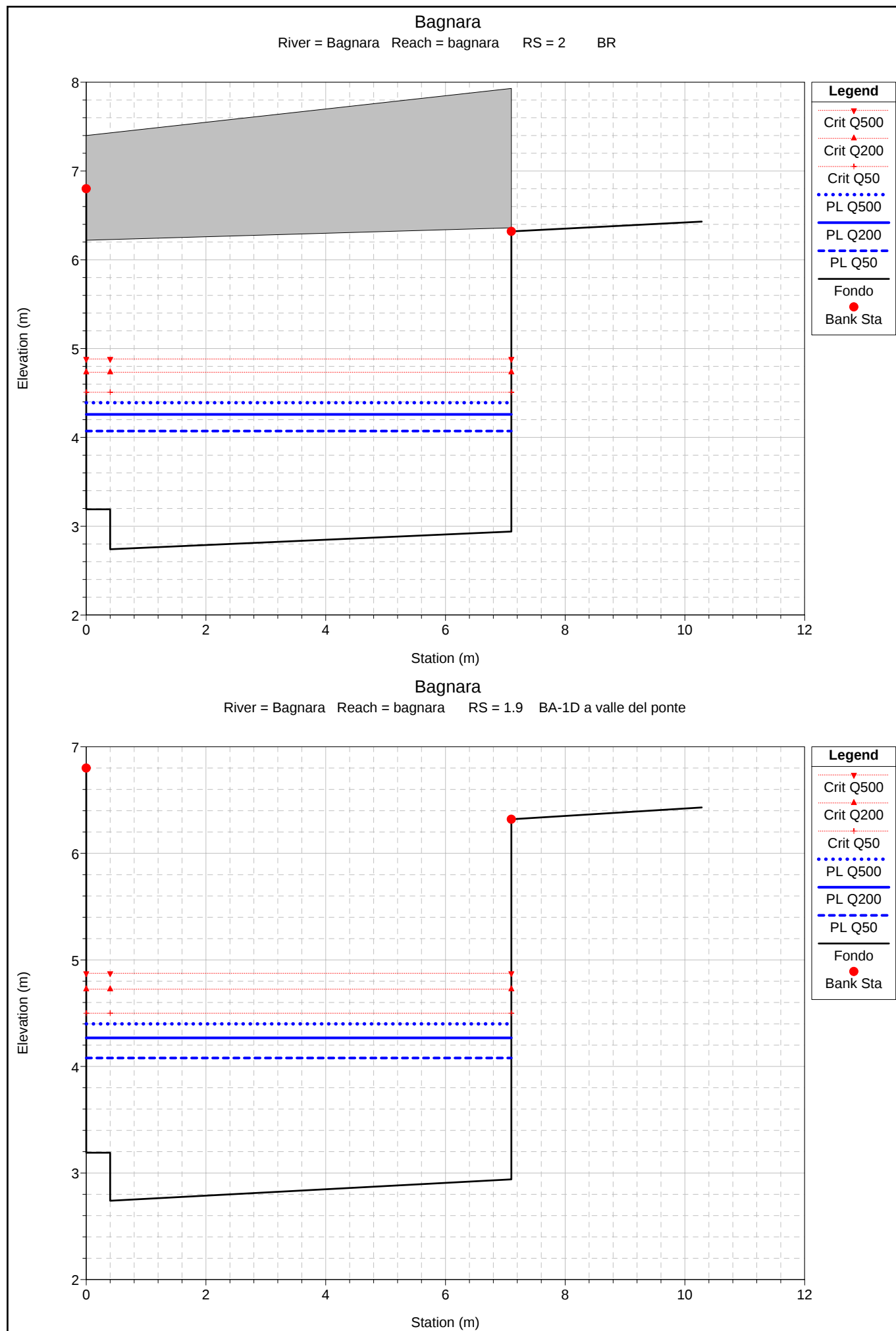


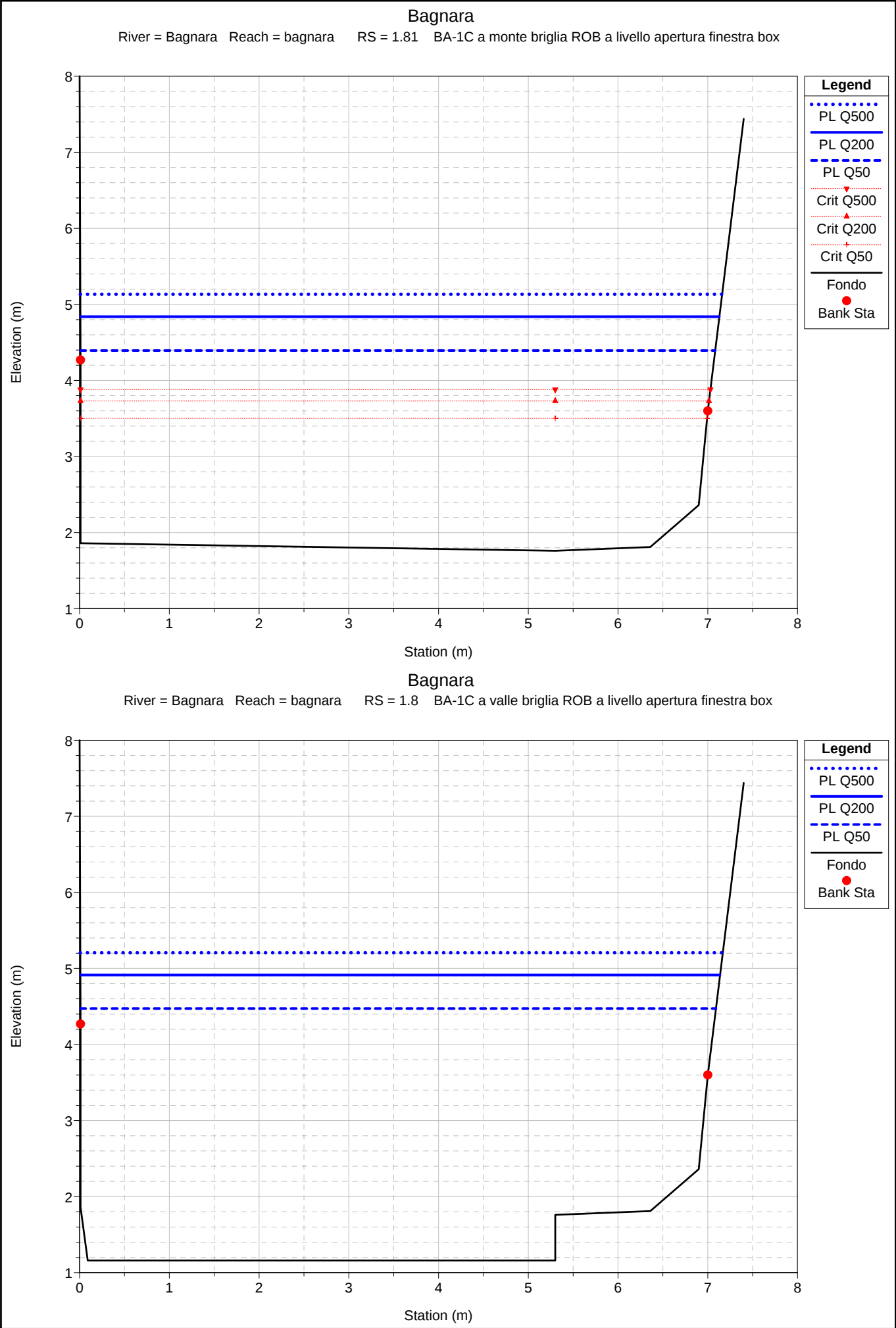


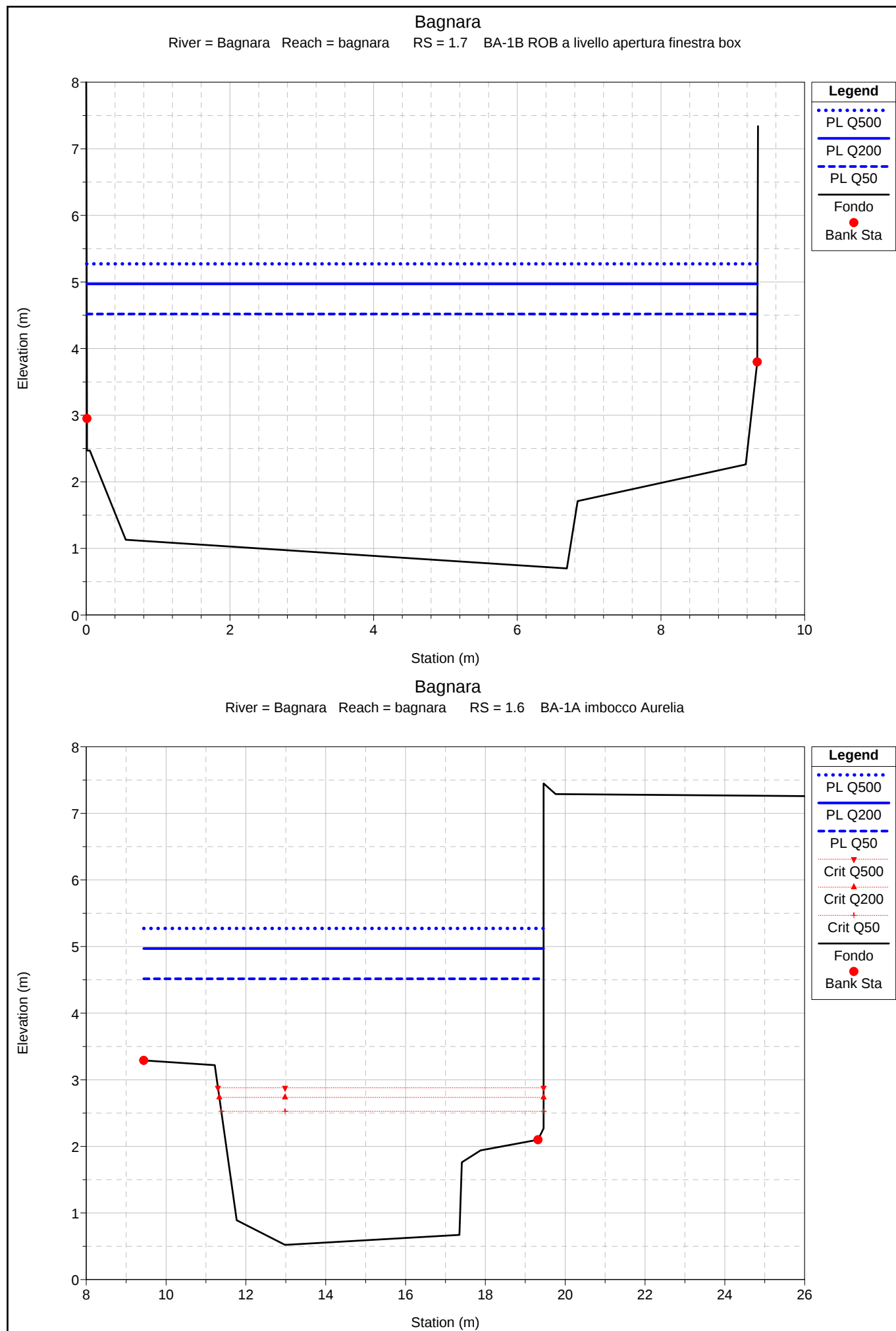


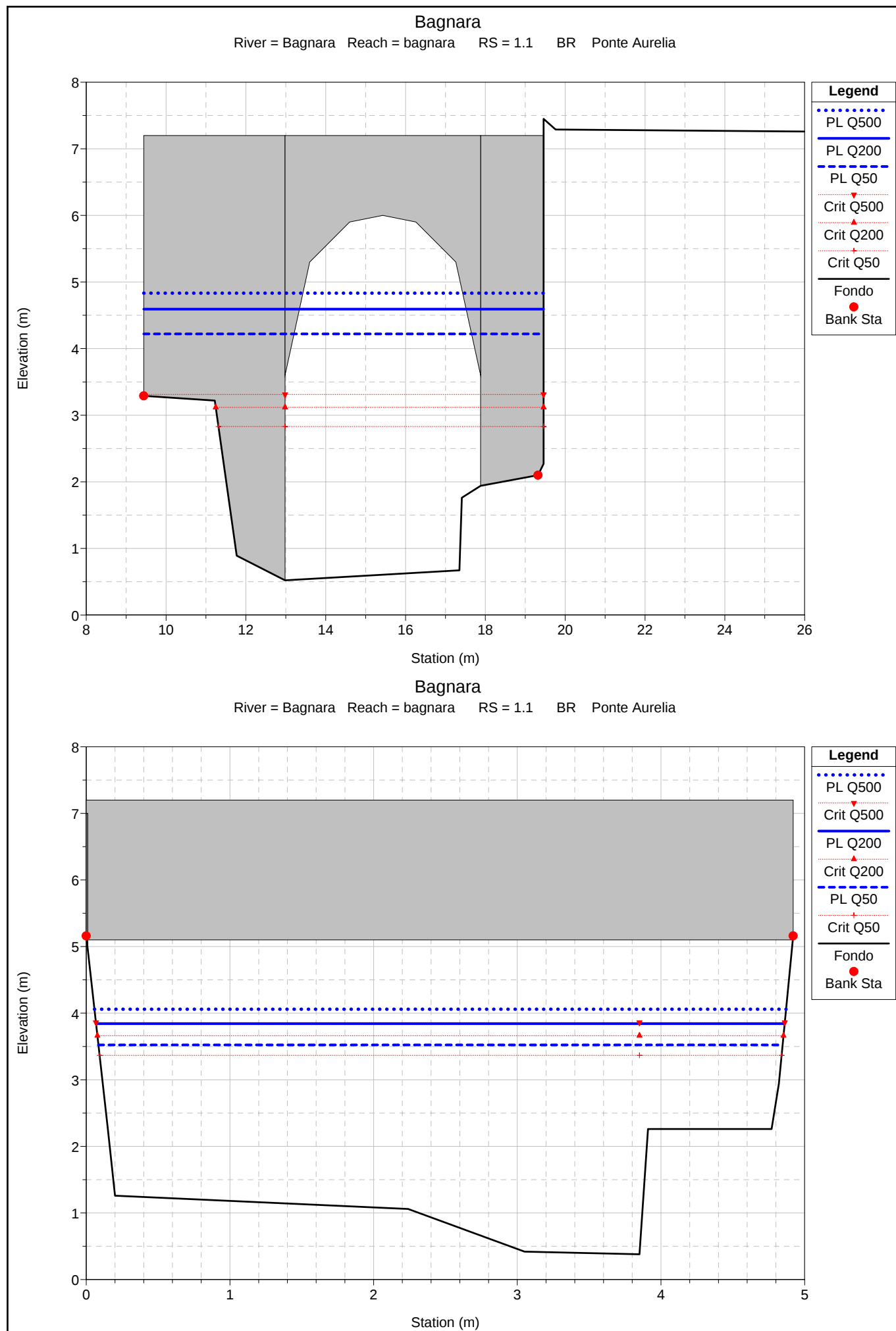


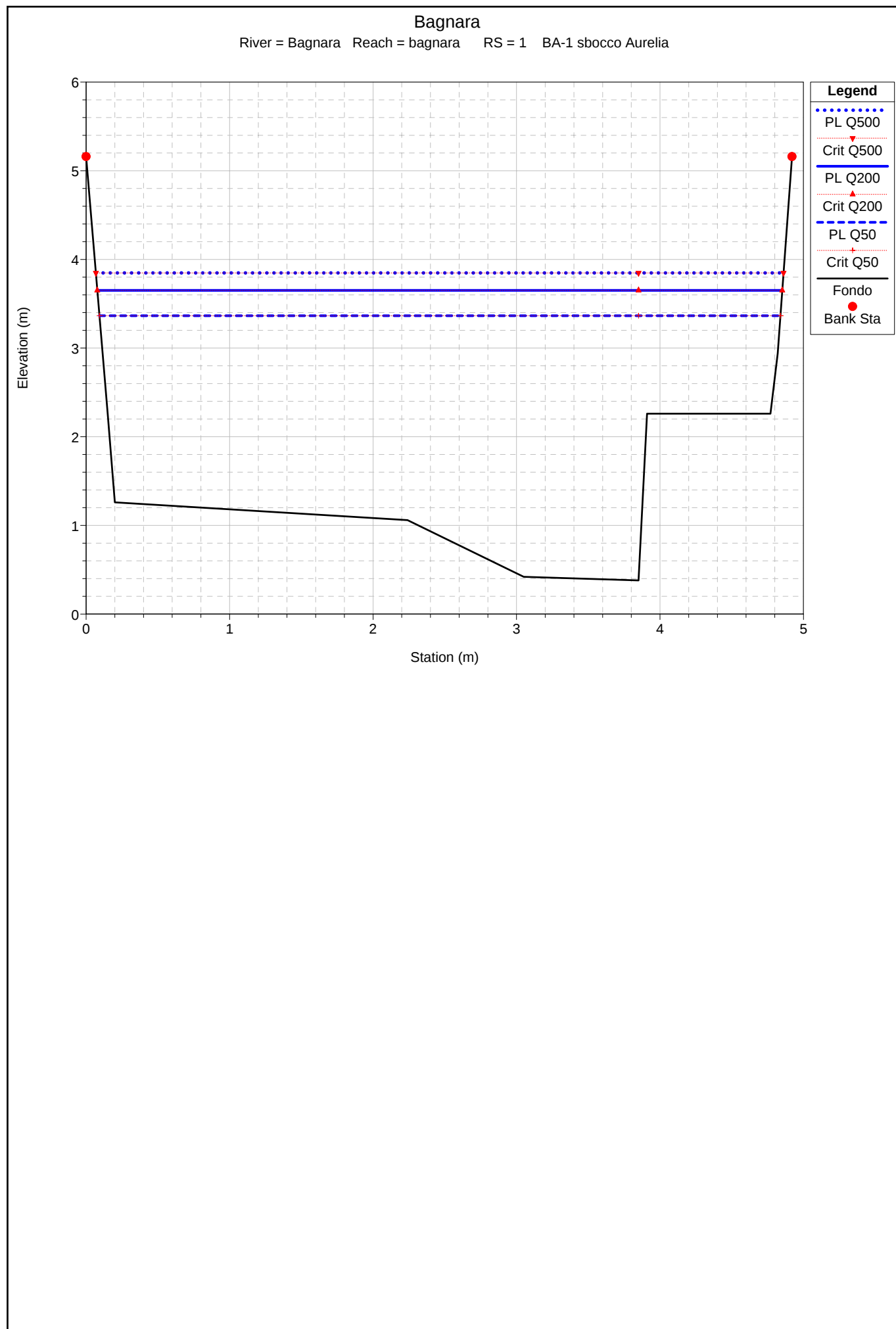












HEC-RAS Plan: Bagnadef River: Bagnara Reach: bagnara

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
bagnara	16	Q50	47.00	38.09	40.52	39.61	-0.91	42.70	2.18	40.52	41.21	0.008090	3.80	13.42	9.70	0.85
bagnara	16	Q200	57.00	38.09	40.72	39.61	-1.11	42.70	1.98	40.72	41.49	0.008350	4.04	15.39	9.85	0.87
bagnara	16	Q500	64.00	38.09	40.85	39.61	-1.24	42.70	1.85	40.85	41.67	0.008432	4.17	16.73	9.94	0.88
bagnara	15	Q50	47.00	36.73	38.44	38.80	0.36	41.34	2.90	39.08	40.32	0.040187	6.08	7.73	6.92	1.84
bagnara	15	Q200	57.00	36.73	38.64	38.80	0.16	41.34	2.70	39.30	40.61	0.035645	6.21	9.17	7.09	1.74
bagnara	15	Q500	64.00	36.73	38.78	38.80	0.02	41.34	2.56	39.44	40.80	0.033302	6.30	10.16	7.20	1.69
bagnara	14.7	Q50	47.00	36.05	37.59	38.60	1.01	41.56	3.97	38.13	39.34	0.035386	5.85	8.04	7.51	1.80
bagnara	14.7	Q200	57.00	36.05	39.38	38.60	-0.78	41.56	2.18	38.34	39.63	0.001978	2.27	26.40	12.78	0.46
bagnara	14.7	Q500	64.00	36.05	39.81	38.60	-1.21	41.56	1.75	38.48	40.03	0.001460	2.11	32.04	13.17	0.40
bagnara	14.5	Bridge														
bagnara	14	Q50	47.00	35.33	37.63	38.40	0.77	38.89	1.26	37.93	38.88	0.023144	4.96	9.48	6.78	1.34
bagnara	14	Q200	57.00	35.33	37.76	38.40	0.64	38.89	1.13	38.16	39.31	0.026346	5.51	10.34	6.78	1.42
bagnara	14	Q500	64.00	35.33	37.80	38.40	0.60	38.89	1.09	38.30	39.65	0.030532	6.01	10.64	6.78	1.53
bagnara	13.9	Q50	47.00	34.79	36.95	36.85	-0.10	36.74	-0.21	37.38	38.32	0.025353	5.40	9.97	14.25	1.26
bagnara	13.9	Q200	57.00	34.79	37.04	36.85	-0.19	36.74	-0.30	37.52	38.67	0.029489	5.99	11.15	14.25	1.37
bagnara	13.9	Q500	64.00	34.79	37.08	36.85	-0.23	36.74	-0.34	37.61	38.92	0.032853	6.42	11.78	14.25	1.45
bagnara	13.5	Bridge														
bagnara	13	Q50	47.00	34.20	36.18	37.00	0.82	36.50	0.32	37.00	38.06	0.034950	6.07	7.75	4.68	1.51
bagnara	13	Q200	57.00	34.20	36.50	37.00	0.50	36.50	0.00	37.15	38.42	0.031547	6.16	9.51	11.25	1.40
bagnara	13	Q500	64.00	34.20	36.61	37.00	0.39	36.50	-0.10	37.30	38.65	0.032408	6.41	10.73	11.38	1.42
bagnara	12	Q50	47.00	32.70	34.49	36.68	2.19	35.75	1.26	35.08	36.51	0.050127	6.29	7.47	7.06	1.95
bagnara	12	Q200	57.00	32.70	34.64	36.68	2.04	35.75	1.11	35.30	36.93	0.050049	6.71	8.49	7.07	1.96
bagnara	12	Q500	64.00	32.70	34.75	36.68	1.93	35.75	1.00	35.46	37.16	0.048036	6.88	9.30	7.09	1.92
bagnara	11	Q50	47.00	30.17	31.38	34.23	2.85	32.41	1.03	31.97	33.38	0.050547	6.27	7.50	8.89	2.18
bagnara	11	Q200	57.00	30.17	31.49	34.23	2.74	32.41	0.92	32.16	33.78	0.051385	6.71	8.50	9.16	2.22
bagnara	11	Q500	64.00	30.17	31.56	34.23	2.67	32.41	0.85	32.28	34.05	0.052080	6.99	9.15	9.34	2.25
bagnara	10.1	Q50	47.00	27.19	31.28	31.87	0.59	32.52	1.24	29.17	31.38	0.000711	1.41	33.31	11.40	0.26
bagnara	10.1	Q200	57.00	27.19	31.81	31.87	0.06	32.52	0.71	29.38	31.92	0.000655	1.44	39.62	12.14	0.25
bagnara	10.1	Q500	64.00	27.19	32.17	31.87	-0.30	32.52	0.35	29.53	32.28	0.000604	1.45	44.74	14.83	0.25
bagnara	10	Q50	47.00	27.19	30.17	31.87	1.70	31.87	1.70	29.98	31.28	0.018371	4.66	10.09	3.70	0.90
bagnara	10	Q200	57.00	27.19	30.54	31.87	1.33	31.87	1.33	30.33	31.80	0.019473	4.97	11.47	3.70	0.90
bagnara	10	Q500	64.00	27.19	30.80	31.87	1.07	31.87	1.07	30.56	32.15	0.020139	5.16	12.41	3.70	0.90
bagnara	9.5	Bridge														
bagnara	9	Q50	47.00	23.20	24.32	27.19	2.87	27.29	2.97	25.21	27.76	0.085719	8.22	5.72	5.56	2.59
bagnara	9	Q200	57.00	23.20	24.49	27.19	2.70	27.29	2.80	25.44	28.13	0.089045	8.46	6.74	6.48	2.65

HEC-RAS Plan: Bagnadef River: Bagnara Reach: bagnara (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
bagnara	9	Q500	64.00	23.20	24.58	27.19	2.61	27.29	2.71	25.60	28.43	0.086190	8.69	7.36	6.51	2.61
bagnara	8.9	Q50	47.00	23.20	24.35	27.19	2.84	27.29	2.94	25.21	27.64	0.080205	8.04	5.85	5.56	2.50
bagnara	8.9	Q200	57.00	23.20	24.51	27.19	2.68	27.29	2.78	25.44	28.00	0.083408	8.27	6.89	6.48	2.56
bagnara	8.9	Q500	64.00	23.20	24.60	27.19	2.59	27.29	2.69	25.60	28.30	0.081171	8.52	7.51	6.52	2.53
bagnara	8.3	Q50	47.00	19.88	21.49	22.59	1.10	23.22	1.73	22.17	23.59	0.041061	6.43	7.31	5.46	1.77
bagnara	8.3	Q200	57.00	19.88	21.71	22.59	0.88	23.22	1.51	22.50	23.99	0.039147	6.69	8.52	5.55	1.72
bagnara	8.3	Q500	64.00	19.88	21.83	22.59	0.76	23.22	1.39	22.66	24.30	0.039891	6.97	9.19	5.60	1.74
bagnara	8.2	Q50	47.00	18.96	20.75	20.63	-0.12	20.57	-0.18	21.43	23.04	0.043280	6.79	7.47	9.71	1.76
bagnara	8.2	Q200	57.00	18.96	20.88	20.63	-0.25	20.57	-0.31	21.69	23.42	0.044662	7.28	8.72	9.89	1.81
bagnara	8.2	Q500	64.00	18.96	20.95	20.63	-0.32	20.57	-0.38	21.79	23.71	0.046891	7.66	9.40	9.99	1.87
bagnara	8.15	Bridge														
bagnara	8	Q50	47.00	19.16	20.77	20.57	-0.20	20.57	-0.20	21.29	22.54	0.030616	5.97	8.37	9.55	1.63
bagnara	8	Q200	57.00	19.16	20.90	20.57	-0.33	20.57	-0.33	21.49	22.92	0.031600	6.44	9.60	9.57	1.68
bagnara	8	Q500	64.00	19.16	20.97	20.57	-0.40	20.57	-0.40	21.61	23.19	0.032923	6.79	10.30	9.58	1.73
bagnara	7	Q50	47.00	17.19	19.11	19.00	-0.11	21.42	2.31	19.62	20.81	0.028999	5.78	8.22	6.36	1.41
bagnara	7	Q200	57.00	17.19	19.36	19.00	-0.36	21.42	2.06	19.87	21.18	0.027558	6.03	9.77	6.41	1.38
bagnara	7	Q500	64.00	17.19	19.51	19.00	-0.51	21.42	1.91	20.04	21.40	0.026742	6.17	10.78	6.45	1.36
bagnara	6.3	Q50	47.00	16.24	19.66	19.35	-0.31	17.70	-1.96	18.46	19.97	0.002491	2.53	19.94	8.25	0.46
bagnara	6.3	Q200	57.00	16.24	19.96	19.35	-0.61	17.70	-2.26	18.70	20.33	0.002636	2.77	22.44	8.25	0.48
bagnara	6.3	Q500	64.00	16.24	20.14	19.35	-0.79	17.70	-2.44	18.85	20.55	0.002774	2.94	23.91	8.25	0.49
bagnara	6.2	Bridge														
bagnara	6.1	Q50	47.00	16.24	17.90	19.35	1.45	17.70	-0.20	18.46	19.80	0.034548	6.13	7.82	6.64	1.66
bagnara	6.1	Q200	57.00	16.24	18.10	19.35	1.25	17.70	-0.40	18.70	20.15	0.032488	6.40	9.18	6.64	1.62
bagnara	6.1	Q500	64.00	16.24	18.24	19.35	1.11	17.70	-0.54	18.85	20.38	0.031090	6.55	10.12	6.65	1.58
bagnara	6	Q50	47.00	16.24	17.91	19.35	1.44	17.70	-0.21	18.46	19.78	0.033981	6.10	7.87	6.64	1.64
bagnara	6	Q200	57.00	16.24	18.11	19.35	1.24	17.70	-0.41	18.70	20.14	0.032015	6.37	9.23	6.64	1.60
bagnara	6	Q500	64.00	16.24	18.25	19.35	1.10	17.70	-0.55	18.85	20.36	0.030663	6.52	10.17	6.65	1.57
bagnara	5.9	Bridge														
bagnara	5.5	Q50	47.00	16.11	17.89	21.32	3.43	21.08	3.19	18.11	18.97	0.020286	4.59	10.23	7.67	1.27
bagnara	5.5	Q200	57.00	16.11	18.06	21.32	3.26	21.08	3.02	18.33	19.31	0.021135	4.97	11.48	7.67	1.30
bagnara	5.5	Q500	64.00	16.11	18.17	21.32	3.15	21.08	2.91	18.47	19.54	0.021349	5.17	12.37	7.67	1.30
bagnara	5.1	Q50	47.00	15.78	16.72	18.04	1.32	17.54	0.82	17.34	18.72	0.050848	6.26	7.50	8.36	2.11
bagnara	5.1	Q200	57.00	15.78	16.86	18.04	1.18	17.54	0.68	17.51	19.06	0.047819	6.57	8.68	8.40	2.06
bagnara	5.1	Q500	64.00	15.78	16.96	18.04	1.08	17.54	0.58	17.68	19.28	0.047808	6.76	9.47	8.75	2.07

HEC-RAS Plan: Bagnadef River: Bagnara Reach: bagnara (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
bagnara	5	Q50	47.00	13.42	14.73	18.04	3.31	17.54	2.81	15.69	18.51	0.099579	8.61	5.46	5.74	2.82
bagnara	5	Q200	57.00	13.42	14.90	18.04	3.14	17.54	2.64	16.01	18.85	0.089519	8.80	6.48	5.94	2.69
bagnara	5	Q500	64.00	13.42	15.02	18.04	3.02	17.54	2.52	16.14	19.09	0.084789	8.94	7.16	6.08	2.63
bagnara	4	Q50	47.00	9.01	9.94	14.45	4.51	16.21	6.27	10.61	12.43	0.073315	6.99	6.72	8.04	2.44
bagnara	4	Q200	57.00	9.01	10.03	14.45	4.42	16.21	6.18	10.82	12.99	0.077293	7.62	7.48	8.05	2.52
bagnara	4	Q500	64.00	9.01	10.10	14.45	4.35	16.21	6.11	10.96	13.35	0.079236	8.00	8.00	8.06	2.56
bagnara	3	Q50	47.00	5.89	7.07	10.96	3.89	10.66	3.59	7.50	8.55	0.032077	5.40	8.70	8.65	1.72
bagnara	3	Q200	57.00	5.89	7.19	10.96	3.77	10.66	3.47	7.70	8.92	0.032829	5.82	9.79	8.66	1.75
bagnara	3	Q500	64.00	5.89	7.27	10.96	3.69	10.66	3.39	7.83	9.16	0.033442	6.09	10.51	8.67	1.77
bagnara	2.1	Q50	47.00	3.32	4.58	6.54	1.96	6.93	2.35	4.94	5.92	0.025837	5.14	9.15	7.47	1.48
bagnara	2.1	Q200	57.00	3.32	4.76	6.54	1.78	6.93	2.17	5.16	6.26	0.025251	5.43	10.50	7.50	1.47
bagnara	2.1	Q500	64.00	3.32	4.88	6.54	1.66	6.93	2.05	5.31	6.49	0.025002	5.62	11.39	7.52	1.46
bagnara	2	Bridge														
bagnara	1.9	Q50	47.00	2.74	4.08	6.80	2.72	6.32	2.24	4.50	5.58	0.030334	5.43	8.66	7.10	1.57
bagnara	1.9	Q200	57.00	2.74	4.27	6.80	2.53	6.32	2.05	4.72	5.92	0.029090	5.70	10.00	7.10	1.53
bagnara	1.9	Q500	64.00	2.74	4.40	6.80	2.40	6.32	1.92	4.87	6.15	0.028185	5.85	10.93	7.10	1.51
bagnara	1.81	Q50	47.00	1.76	4.39	4.27	-0.12	3.60	-0.79	3.50	4.75	0.003204	2.64	17.85	7.07	0.53
bagnara	1.81	Q200	57.00	1.76	4.84	4.27	-0.57	3.60	-1.24	3.73	5.22	0.002754	2.72	21.01	7.12	0.50
bagnara	1.81	Q500	64.00	1.76	5.13	4.27	-0.86	3.60	-1.53	3.88	5.53	0.002535	2.78	23.12	7.15	0.49
bagnara	1.8	Q50	47.00	1.16	4.47	4.27	-0.20	3.60	-0.87		4.71	0.001891	2.16	21.82	7.08	0.39
bagnara	1.8	Q200	57.00	1.16	4.91	4.27	-0.64	3.60	-1.31		5.18	0.001789	2.29	24.96	7.13	0.39
bagnara	1.8	Q500	64.00	1.16	5.21	4.27	-0.94	3.60	-1.61		5.49	0.001731	2.38	27.05	7.16	0.39
bagnara	1.7	Q50	47.00	0.70	4.52	2.95	-1.57	3.80	-0.72		4.64	0.000711	1.55	30.24	9.34	0.28
bagnara	1.7	Q200	57.00	0.70	4.97	2.95	-2.02	3.80	-1.17		5.11	0.000677	1.65	34.47	9.34	0.27
bagnara	1.7	Q500	64.00	0.70	5.27	2.95	-2.32	3.80	-1.47		5.42	0.000657	1.72	37.27	9.34	0.27
bagnara	1.6	Q50	47.00	0.52	4.52	3.29	-1.23	2.10	-2.42	2.53	4.64	0.000769	1.54	30.73	10.02	0.28
bagnara	1.6	Q200	57.00	0.52	4.97	3.29	-1.68	2.10	-2.87	2.73	5.11	0.000745	1.63	35.28	10.02	0.28
bagnara	1.6	Q500	64.00	0.52	5.27	3.29	-1.98	2.10	-3.17	2.88	5.42	0.000735	1.69	38.30	10.02	0.28
bagnara	1.1	Bridge														
bagnara	1	Q50	47.00	0.38	3.36	5.16	1.80	5.16	1.80	3.36	4.44	0.018088	4.60	10.22	4.75	1.00
bagnara	1	Q200	57.00	0.38	3.65	5.16	1.51	5.16	1.51	3.65	4.88	0.018893	4.92	11.59	4.77	1.01
bagnara	1	Q500	64.00	0.38	3.85	5.16	1.31	5.16	1.31	3.85	5.18	0.019285	5.11	12.53	4.79	1.01