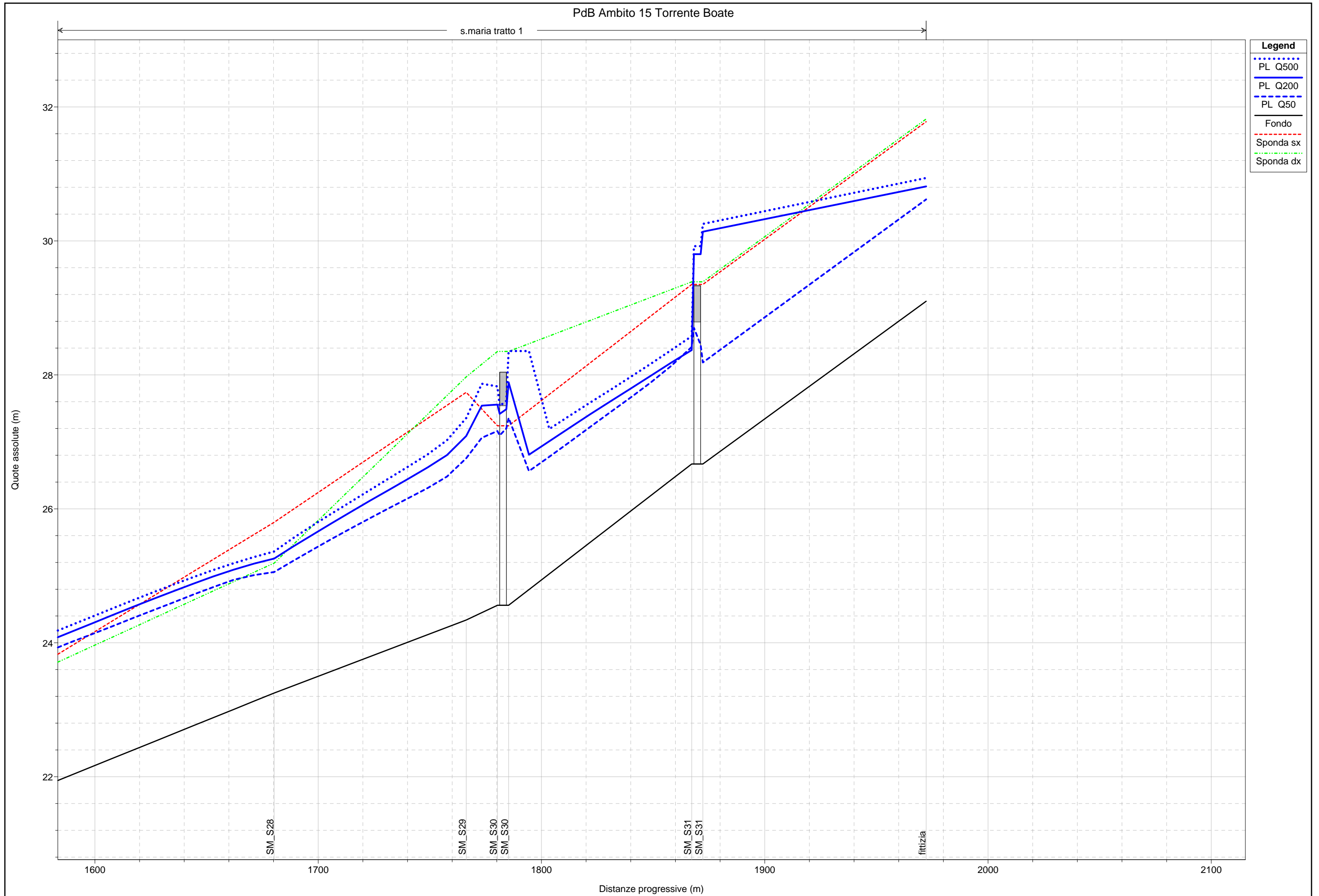


Torrente Santa Maria

Rapallo

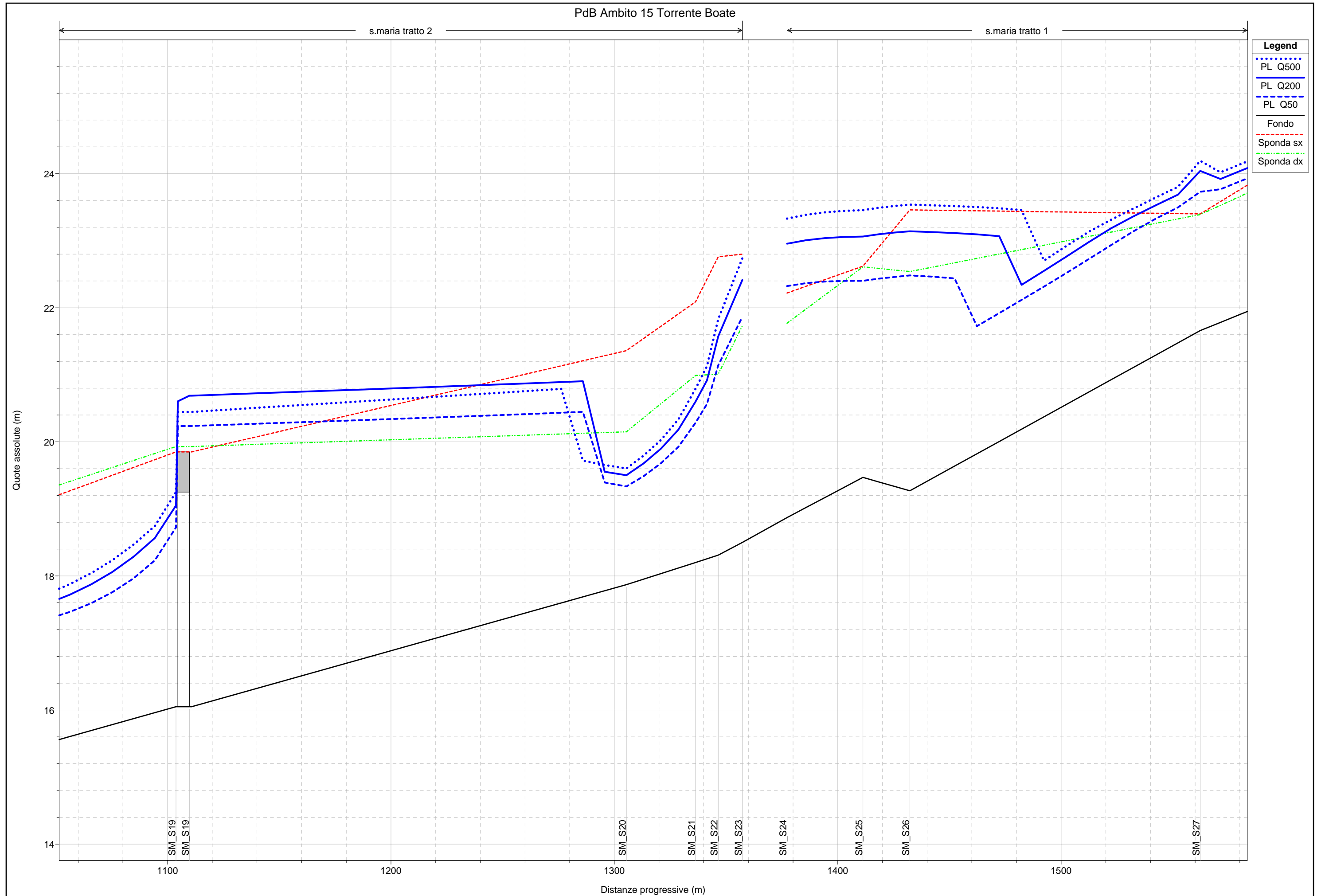
dalla sezione SM-S31 alla SM-S1

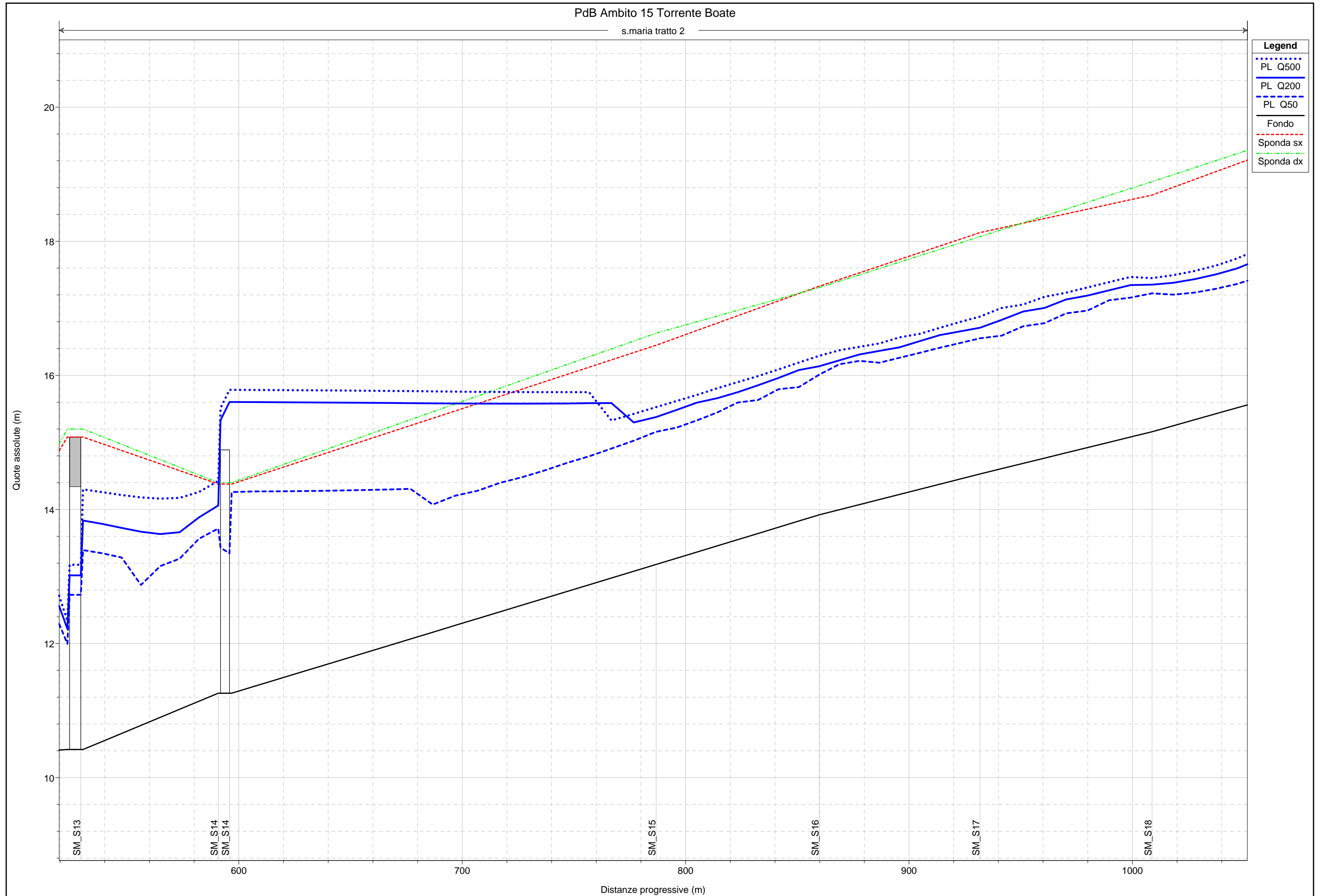
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati



1 cm Horiz. = 15 m 1 cm Vert. = 0.5 m

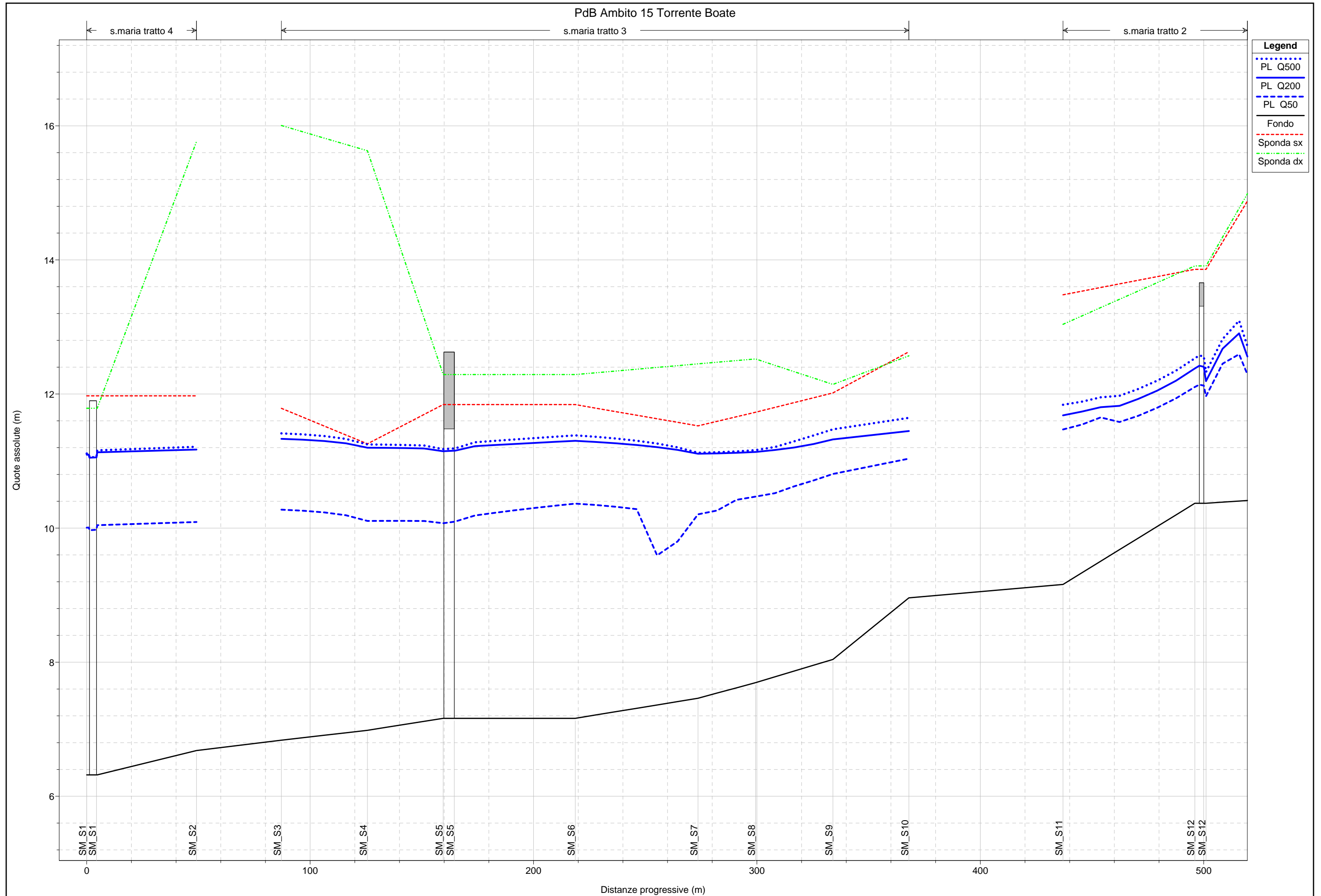
Approvato con D.C.P. n. 24 del 21-03-2007





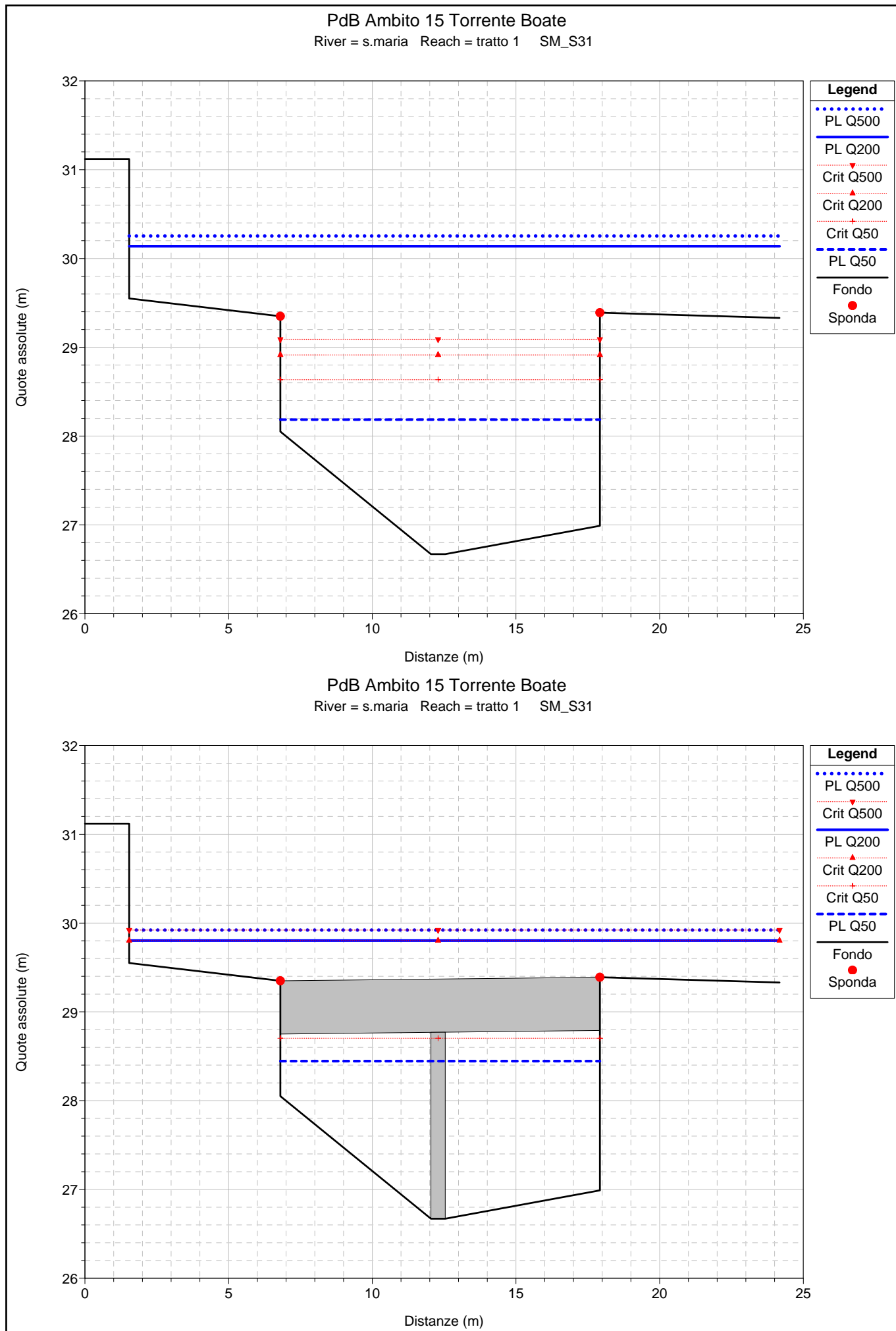
1 cm Horiz. = 15 m 1 cm Vert. = 0.5 m

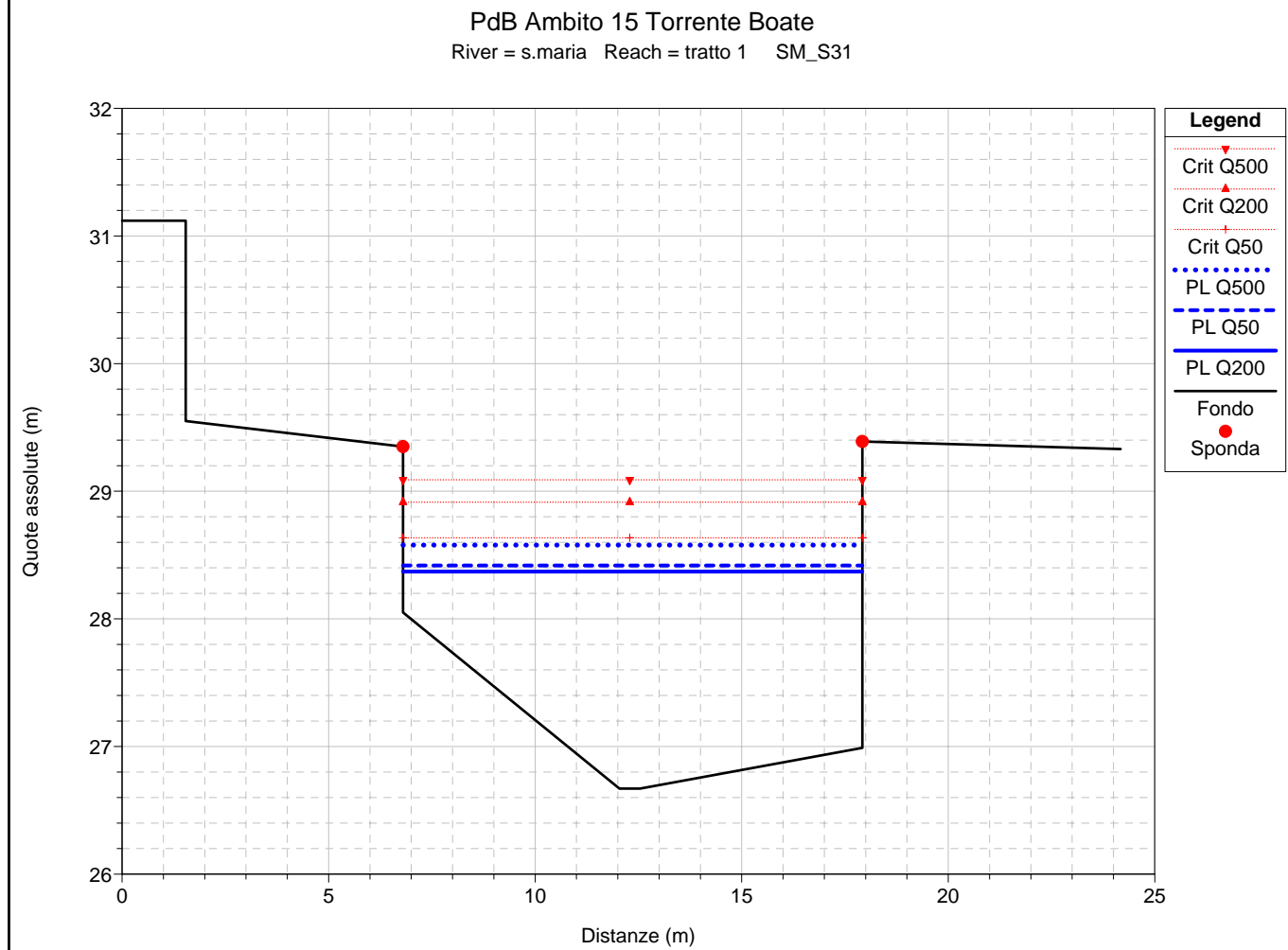
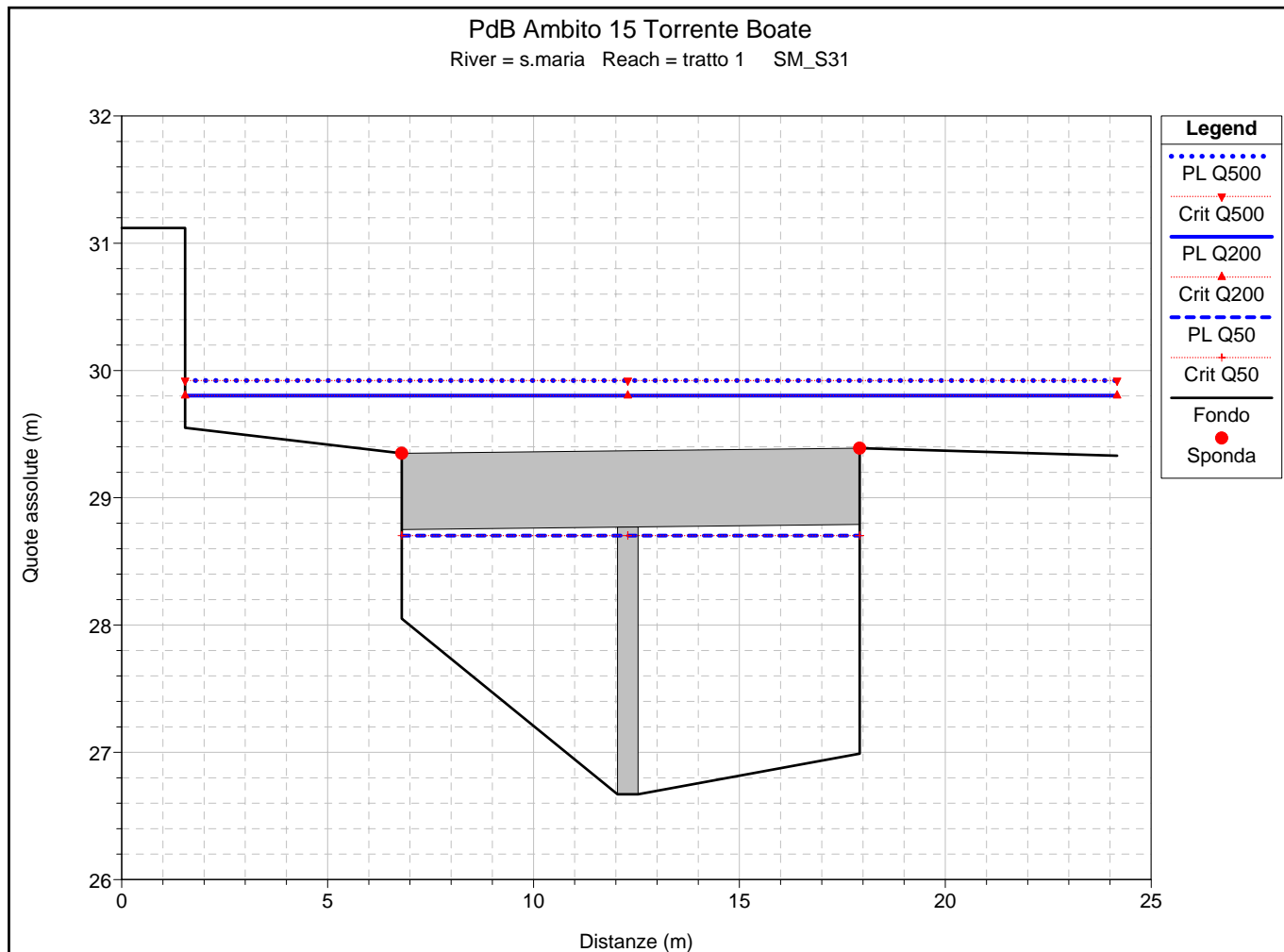
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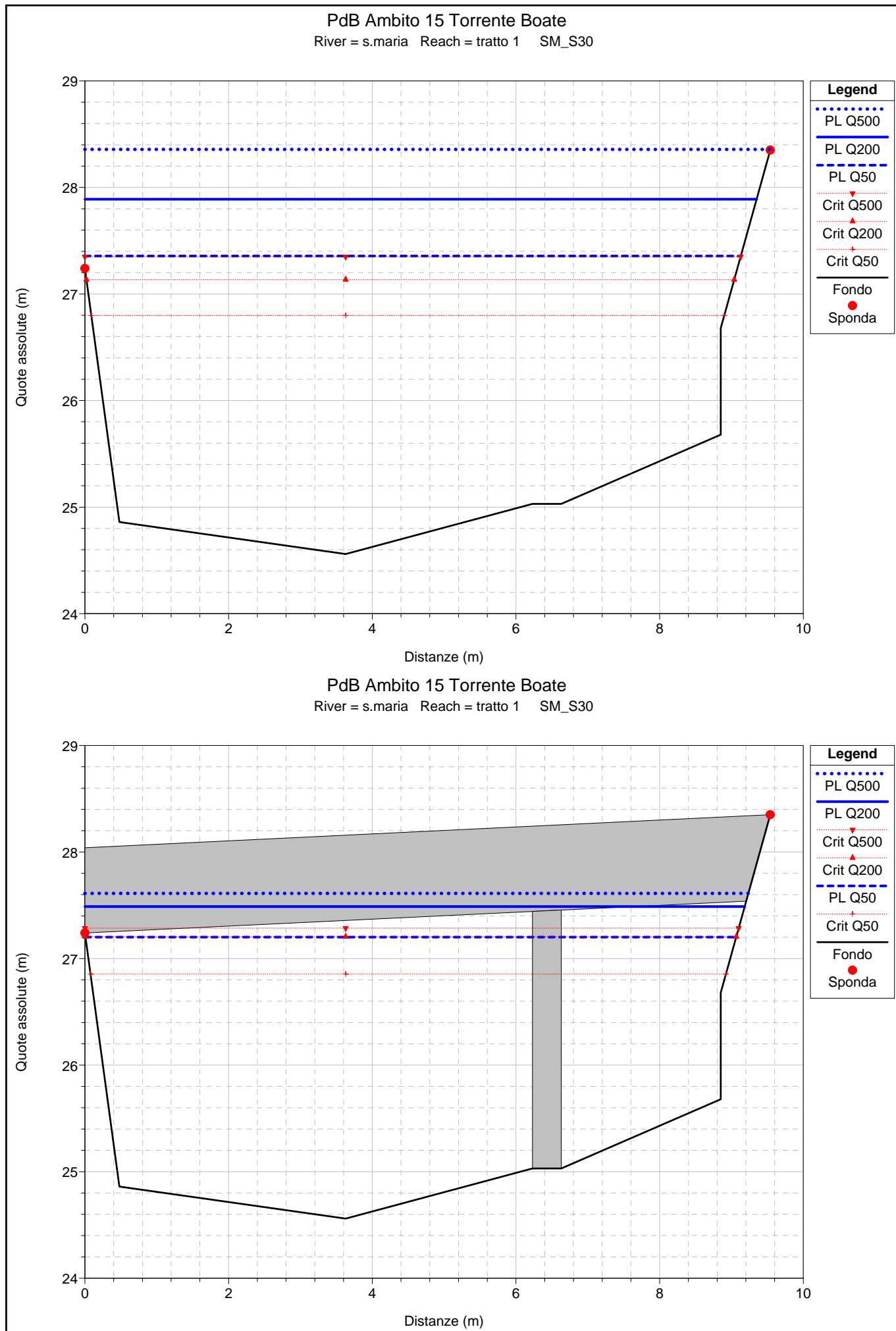


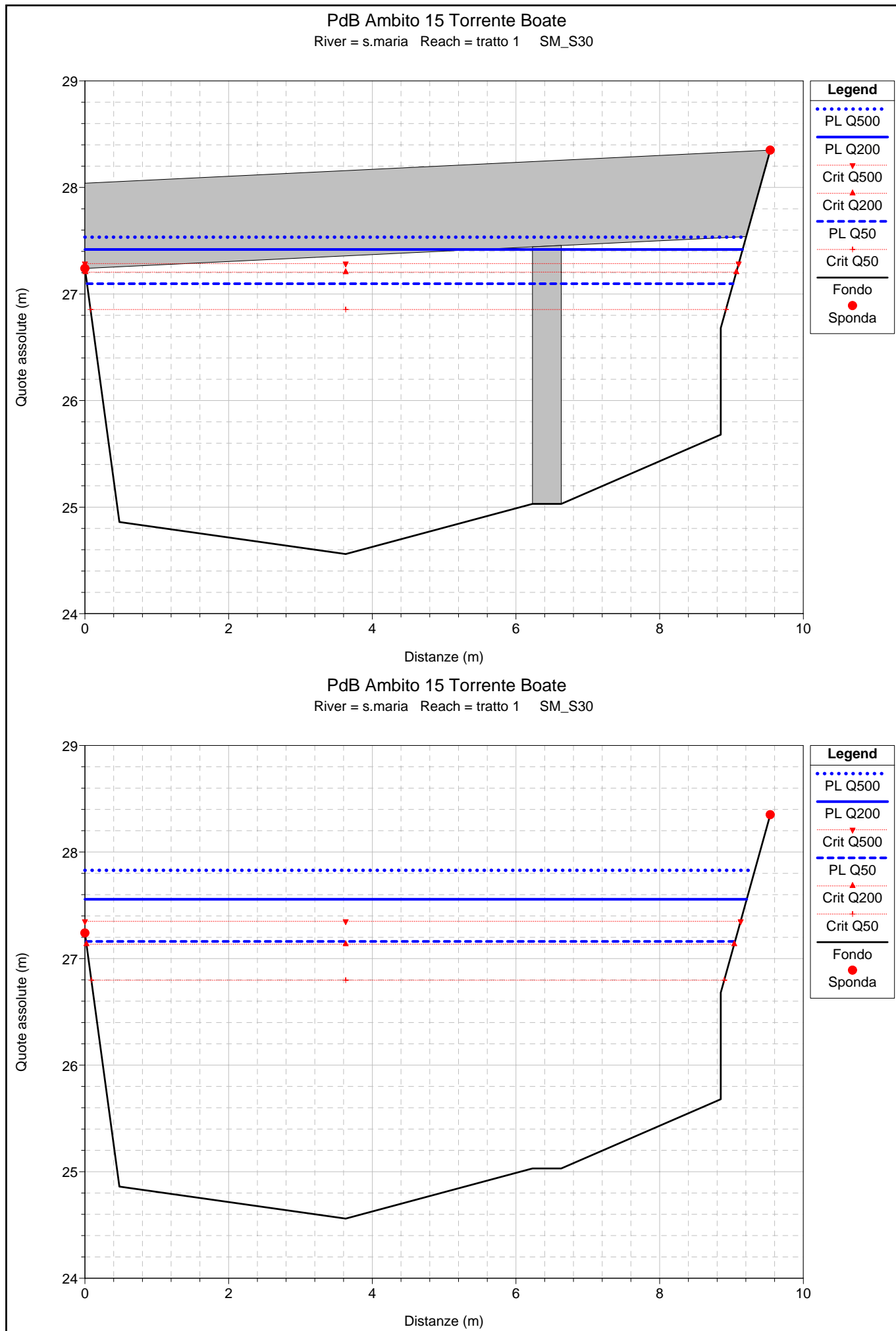
1 cm Horiz. = 15 m 1 cm Vert. = 0.5 m

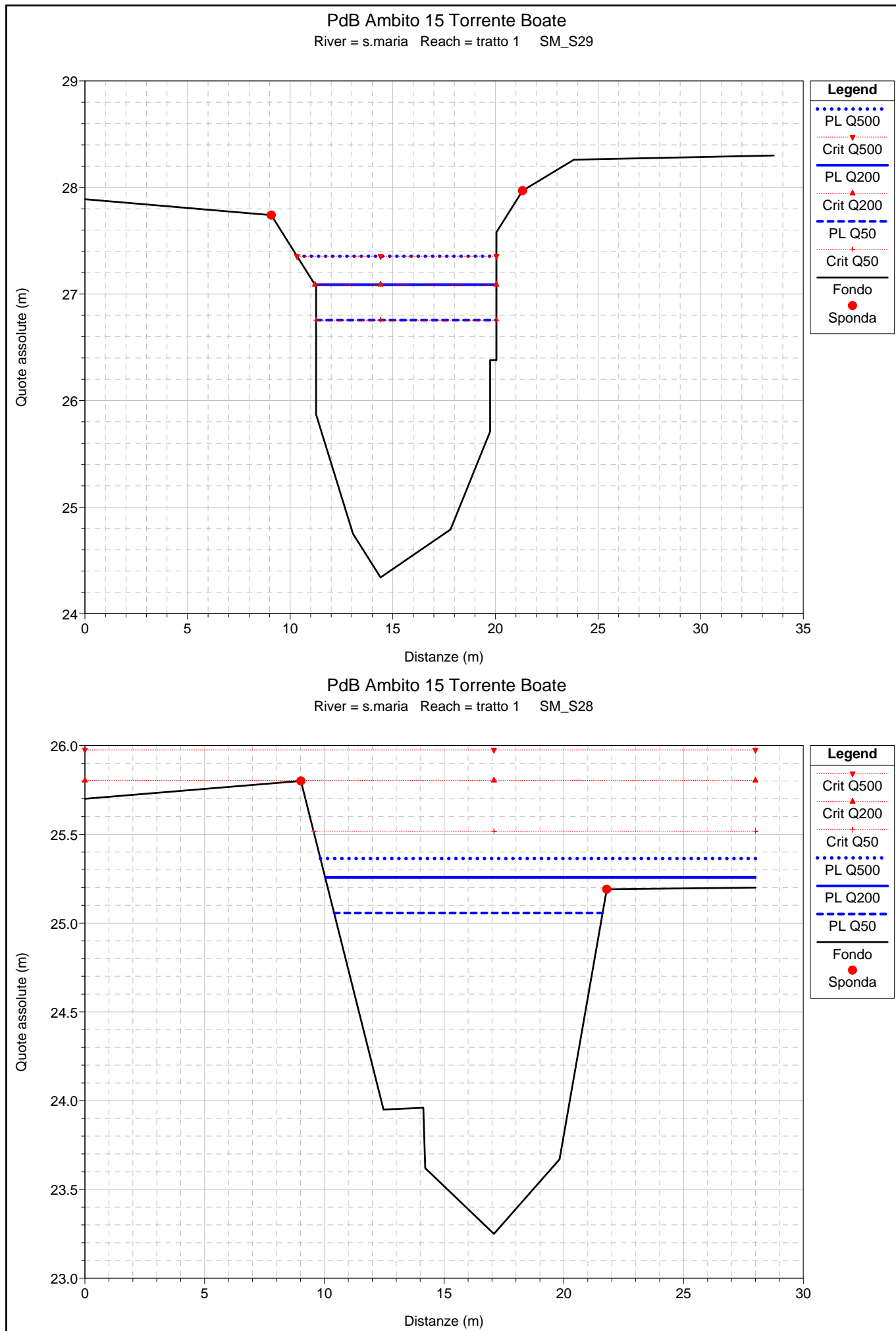
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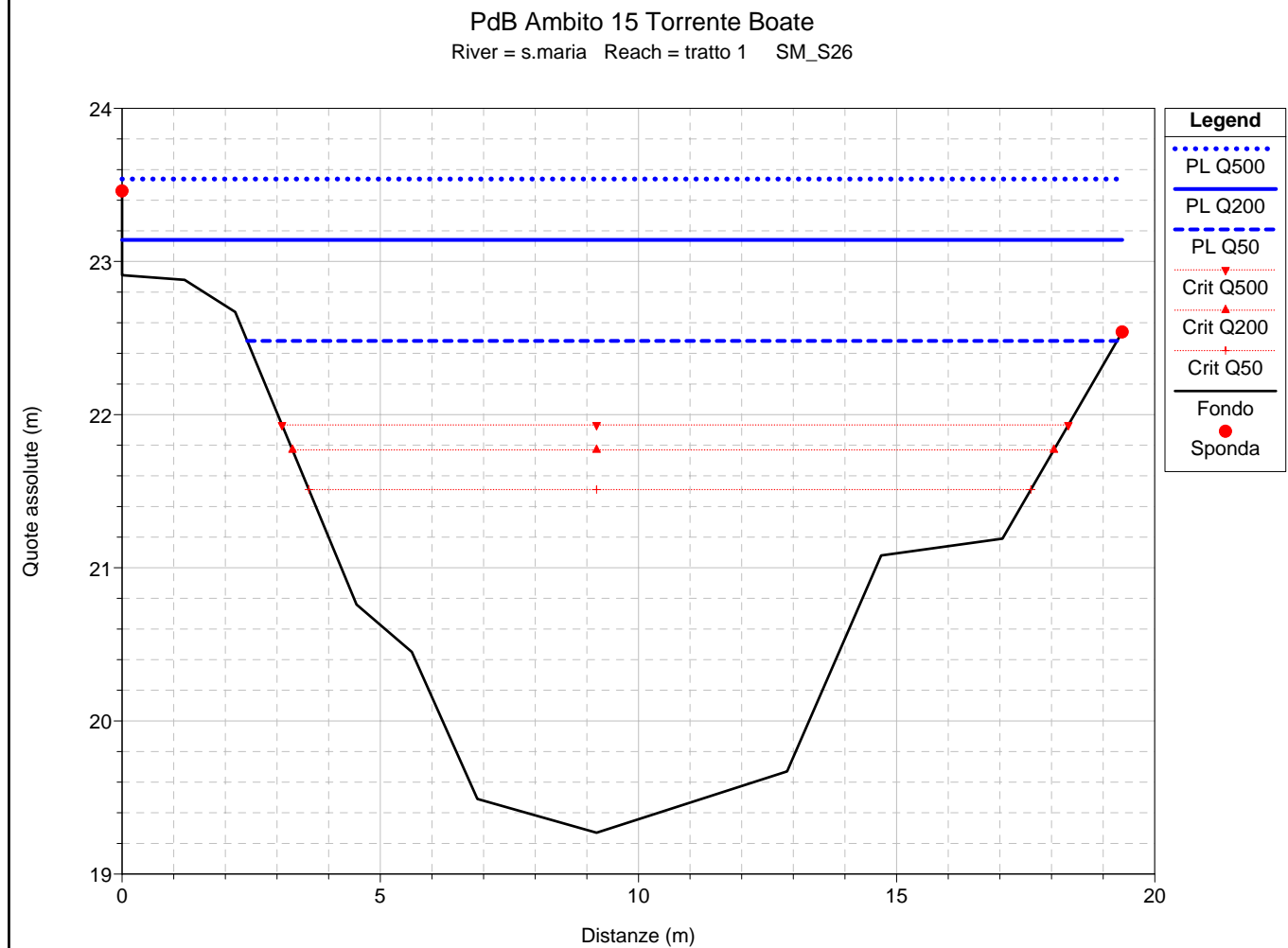
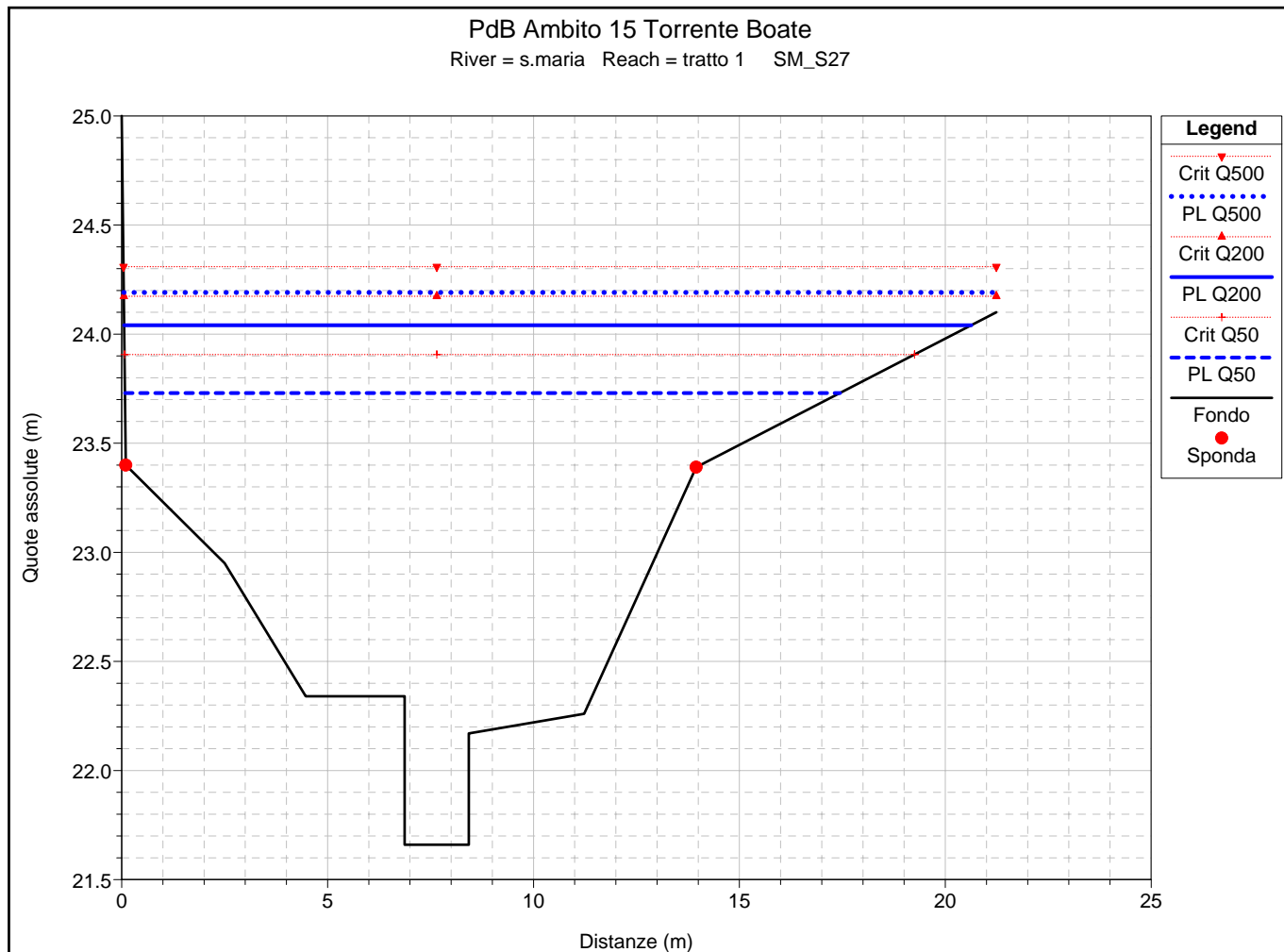


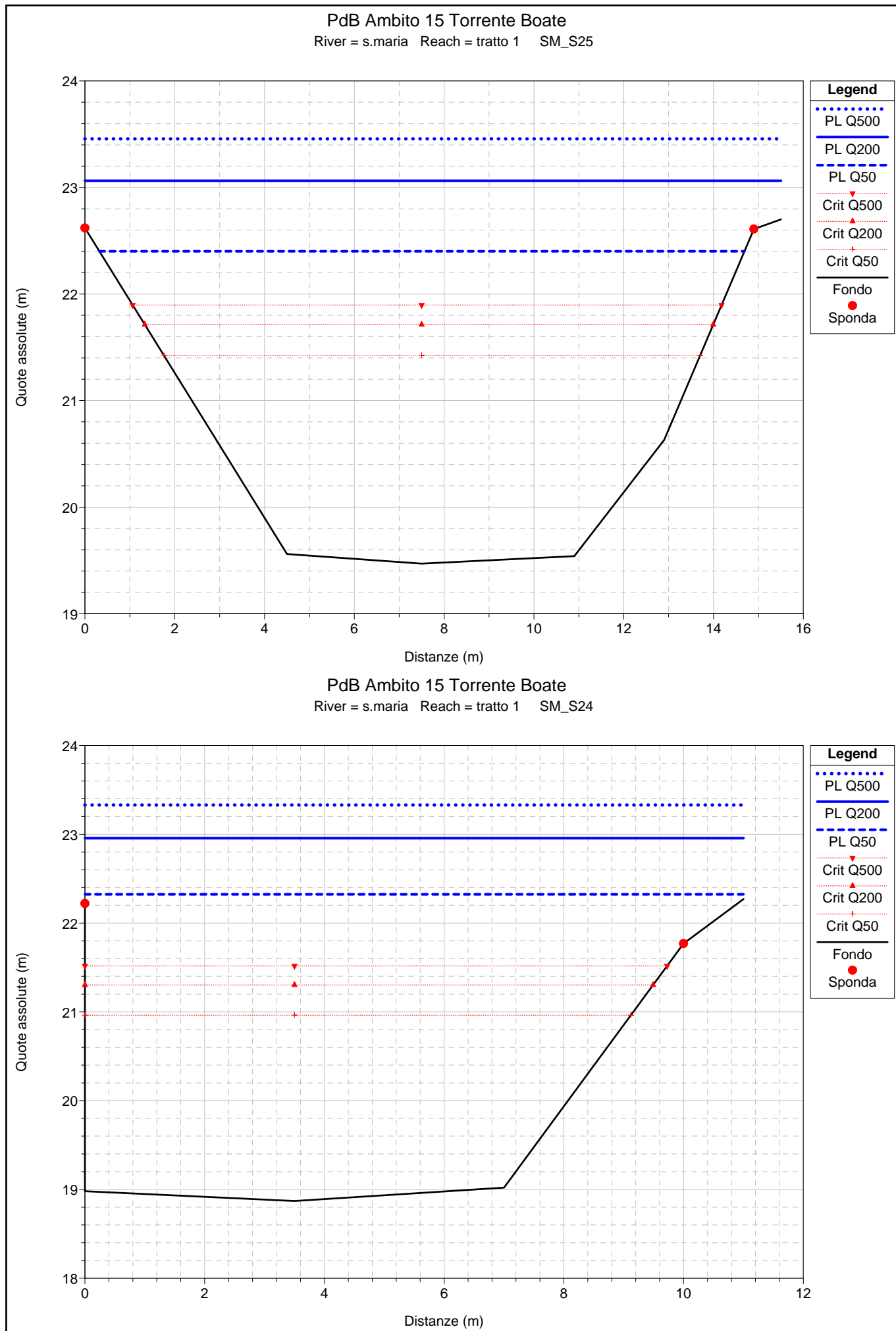


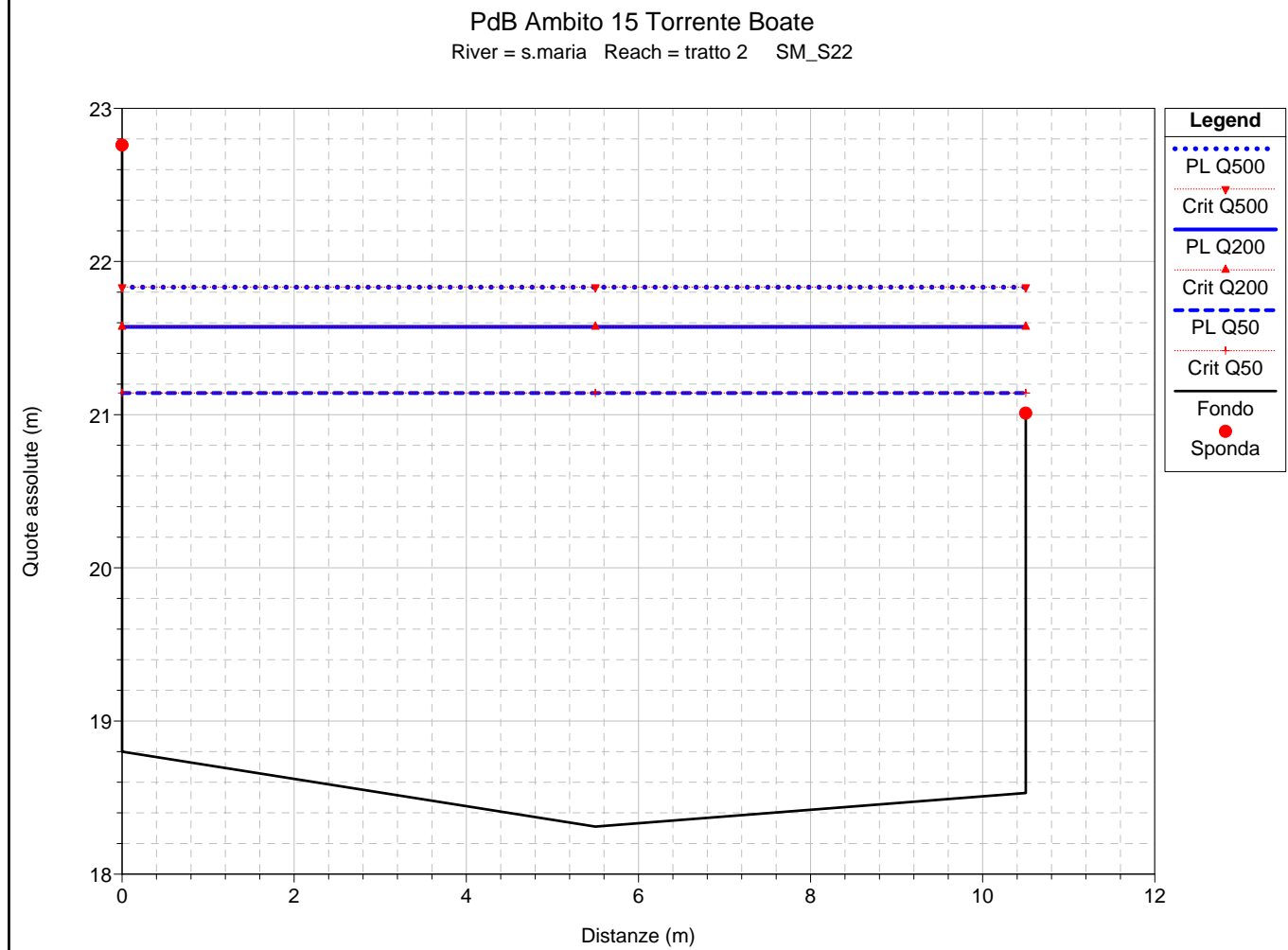
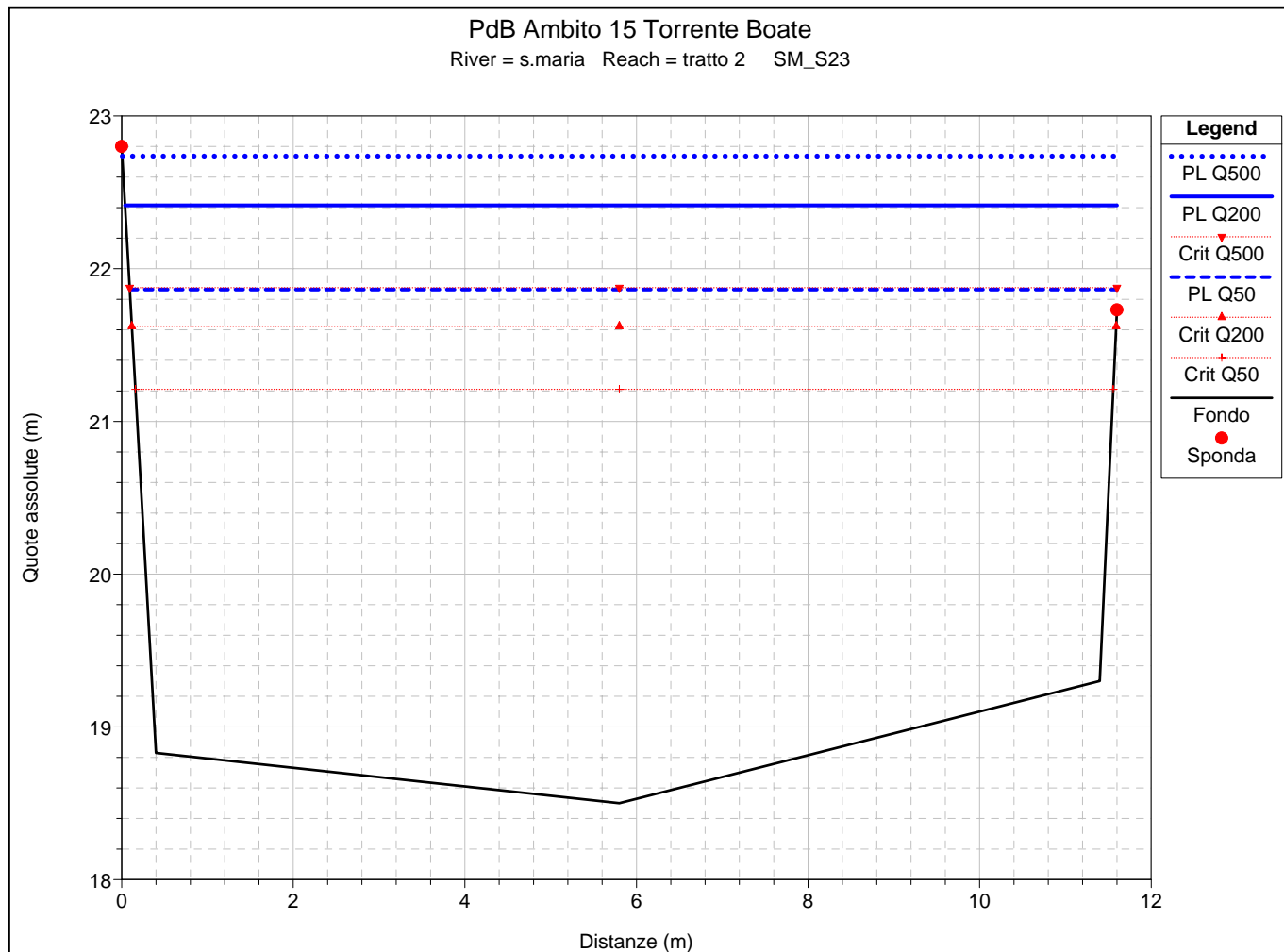


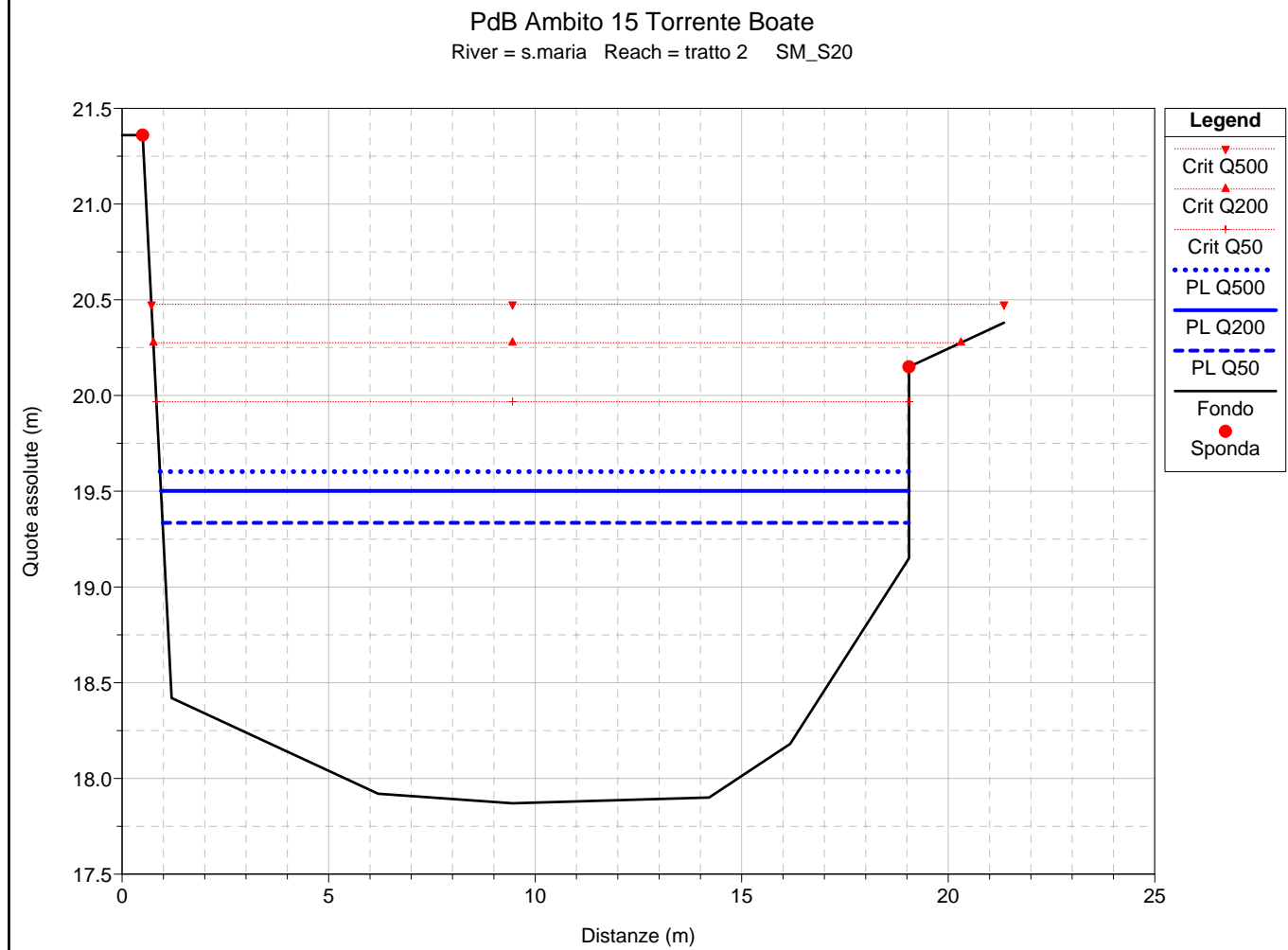
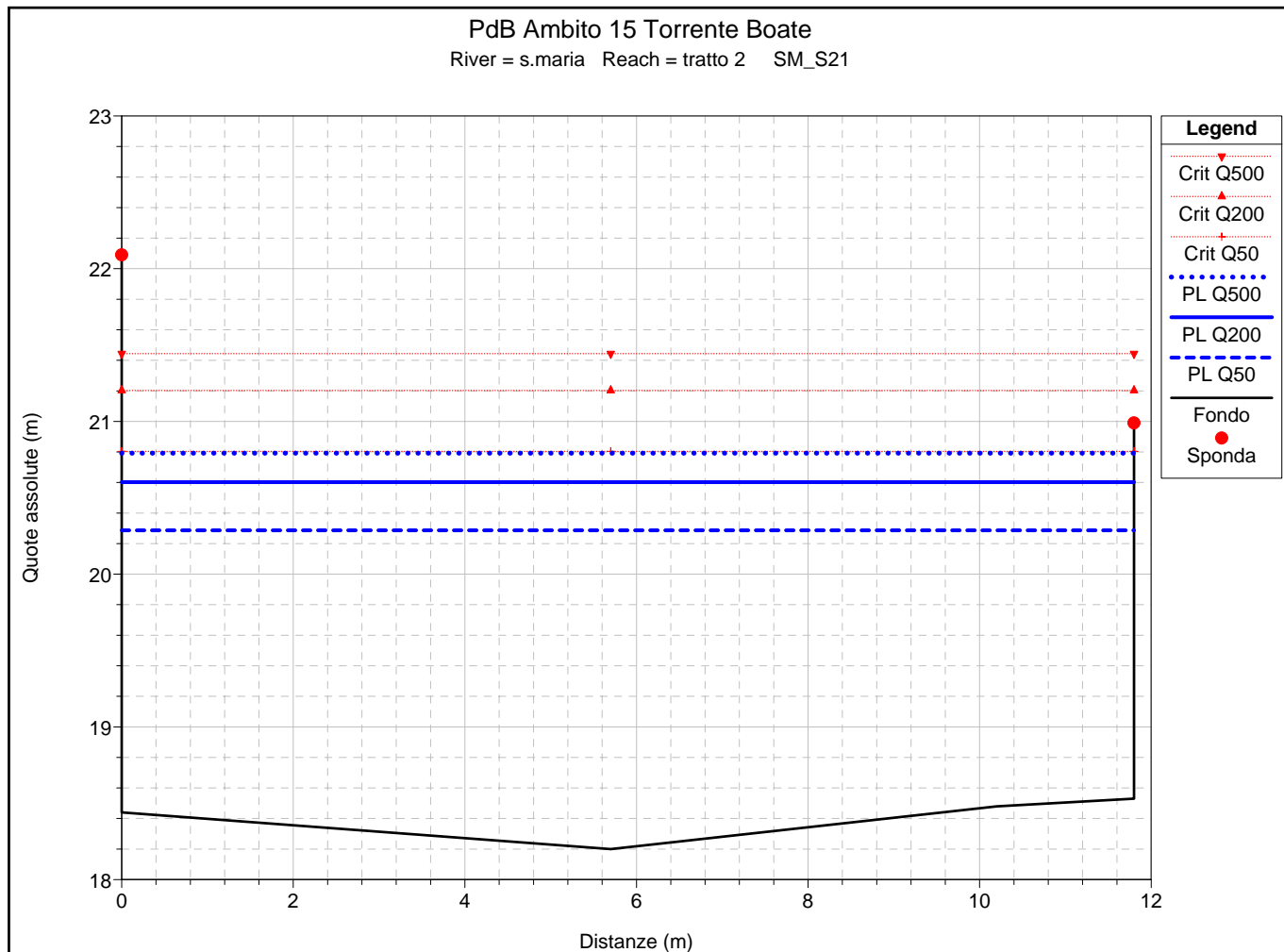


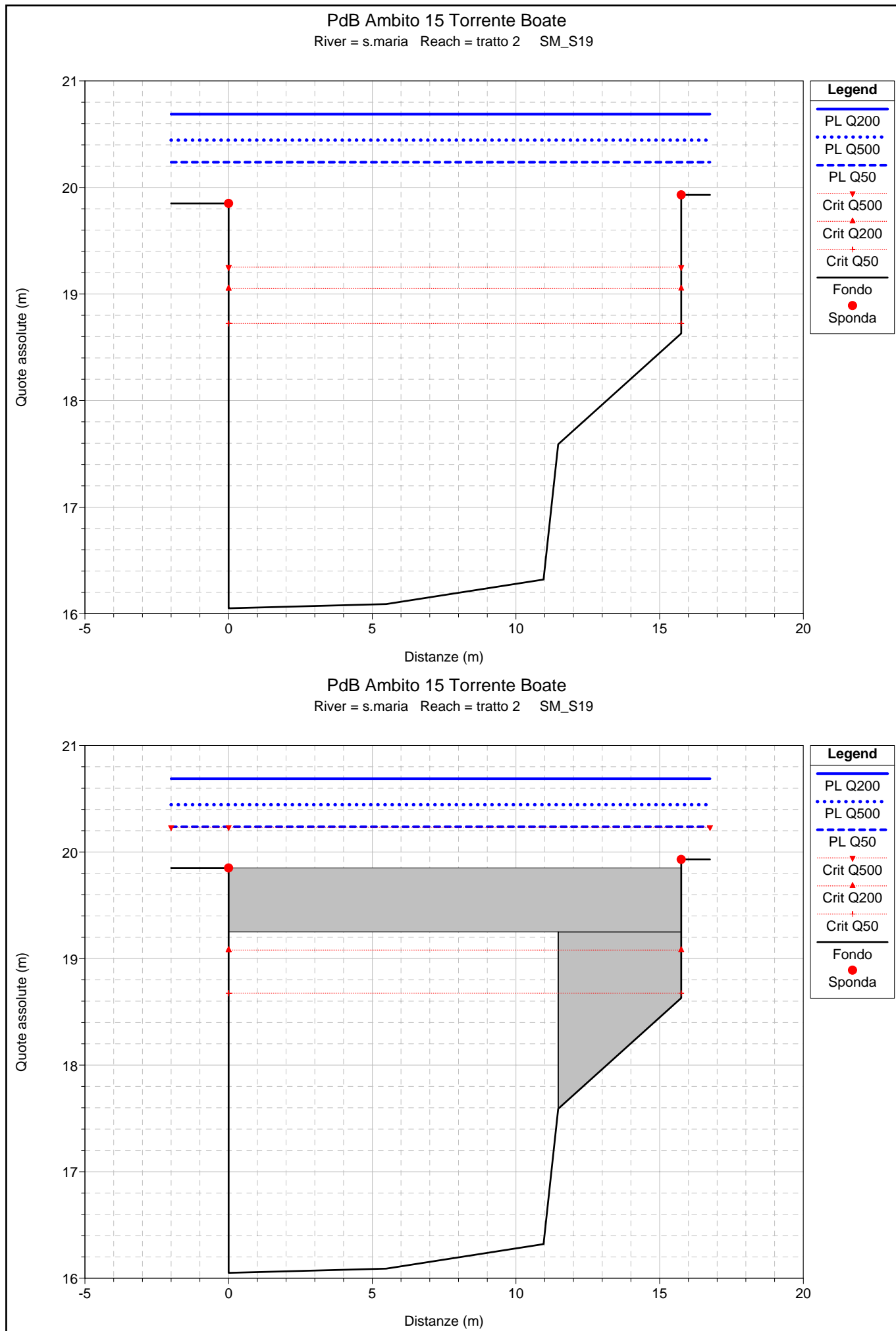




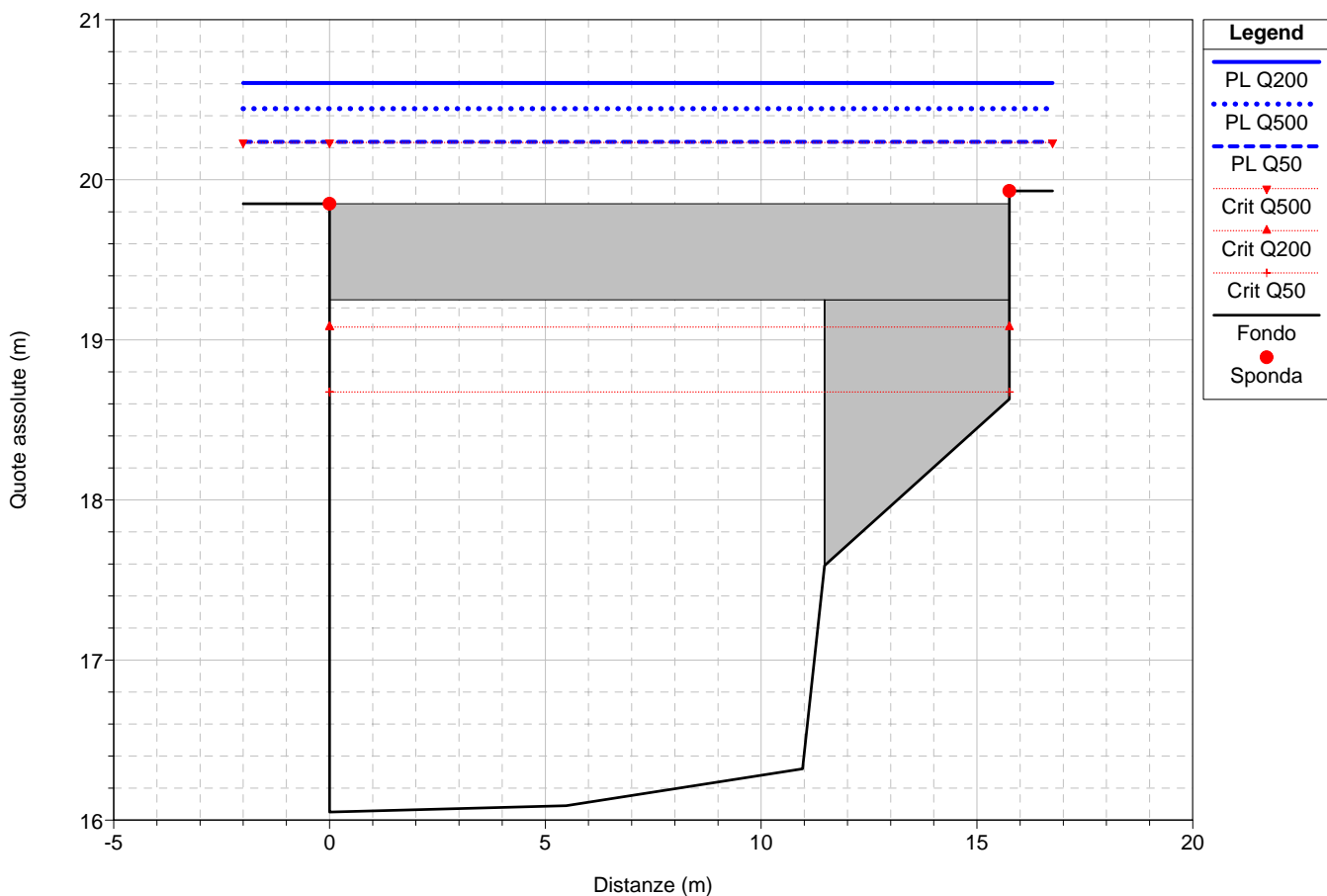




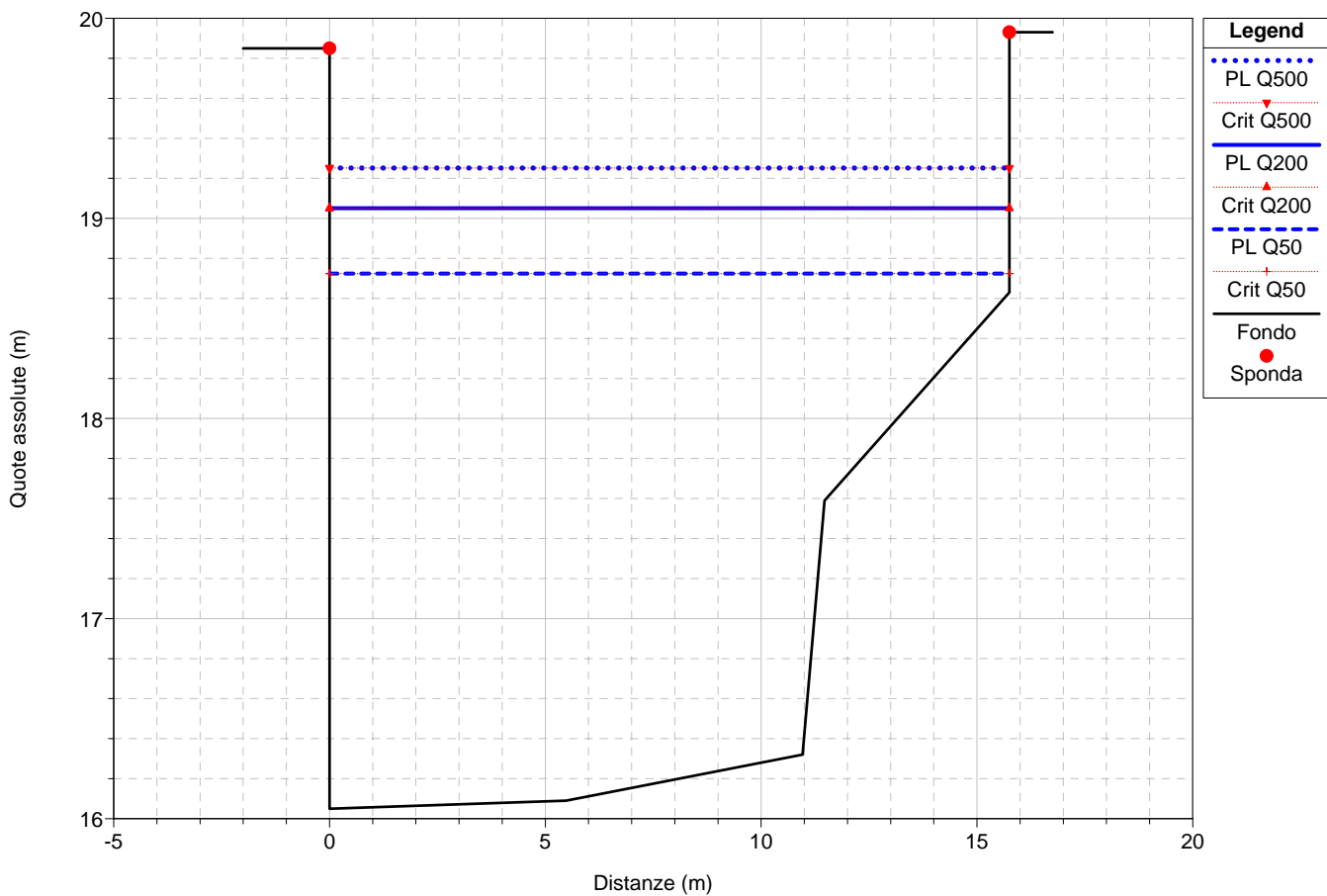


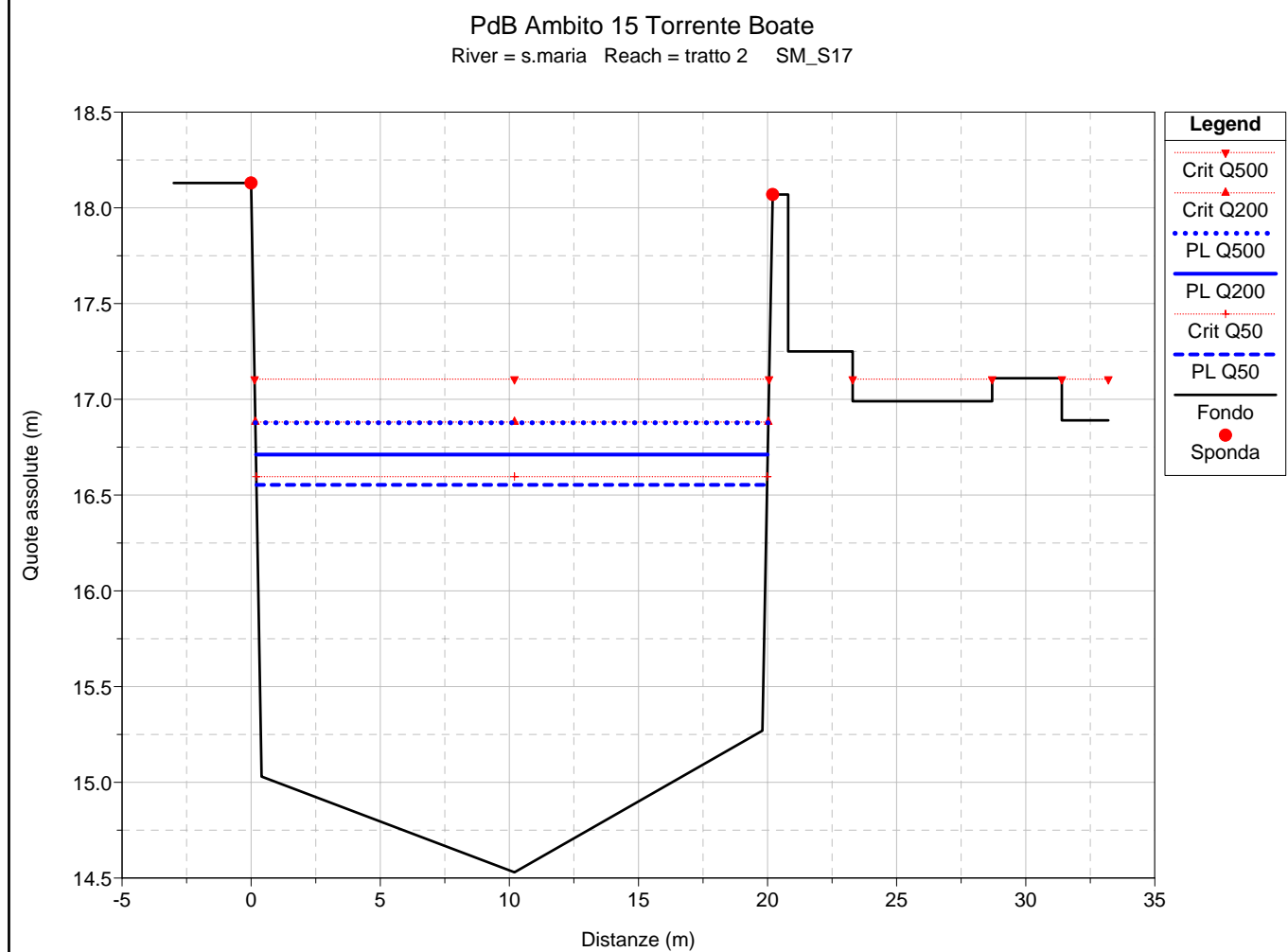
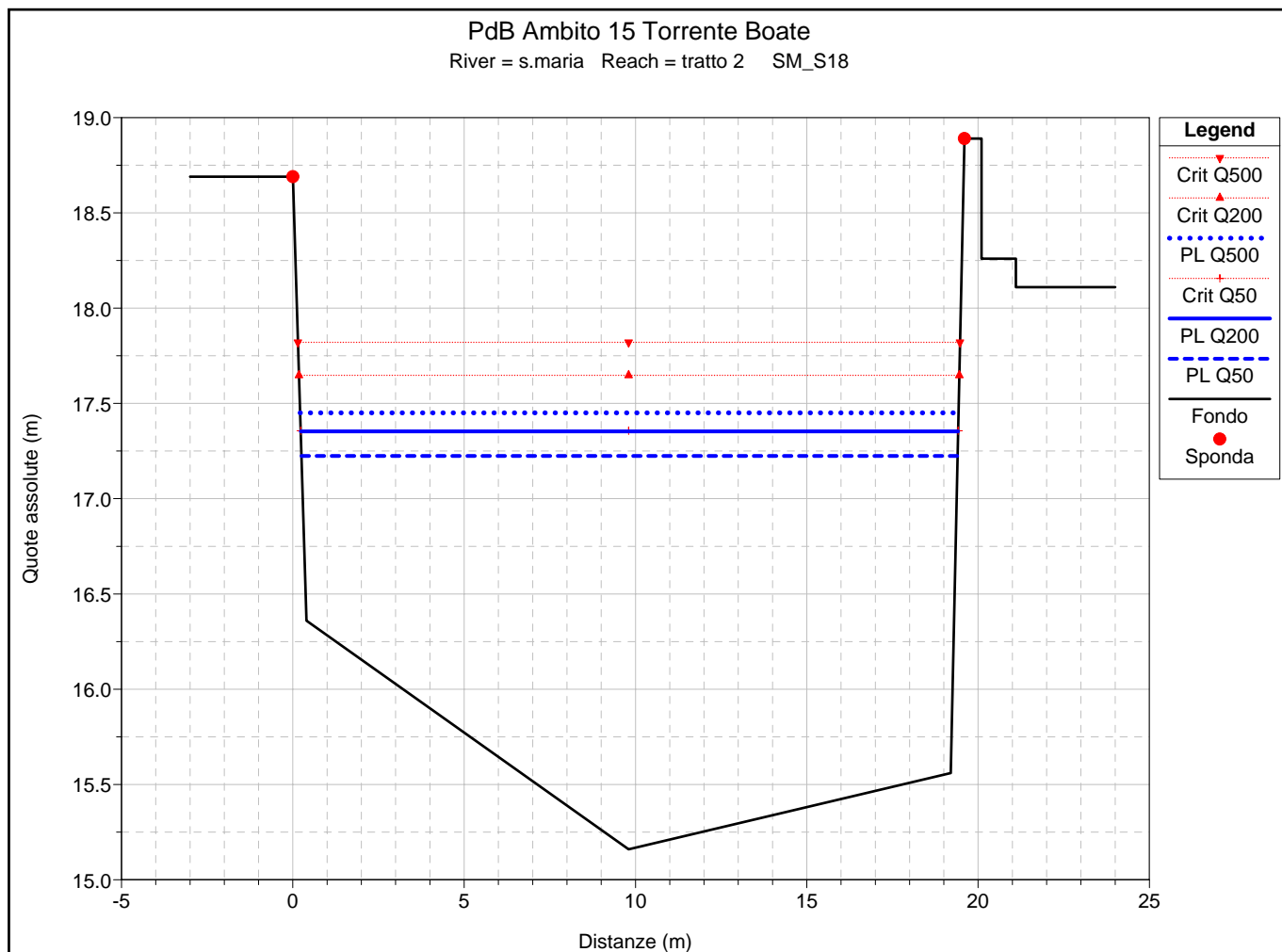


PdB Ambito 15 Torrente Boate
 River = s.maria Reach = tratto 2 SM_S19



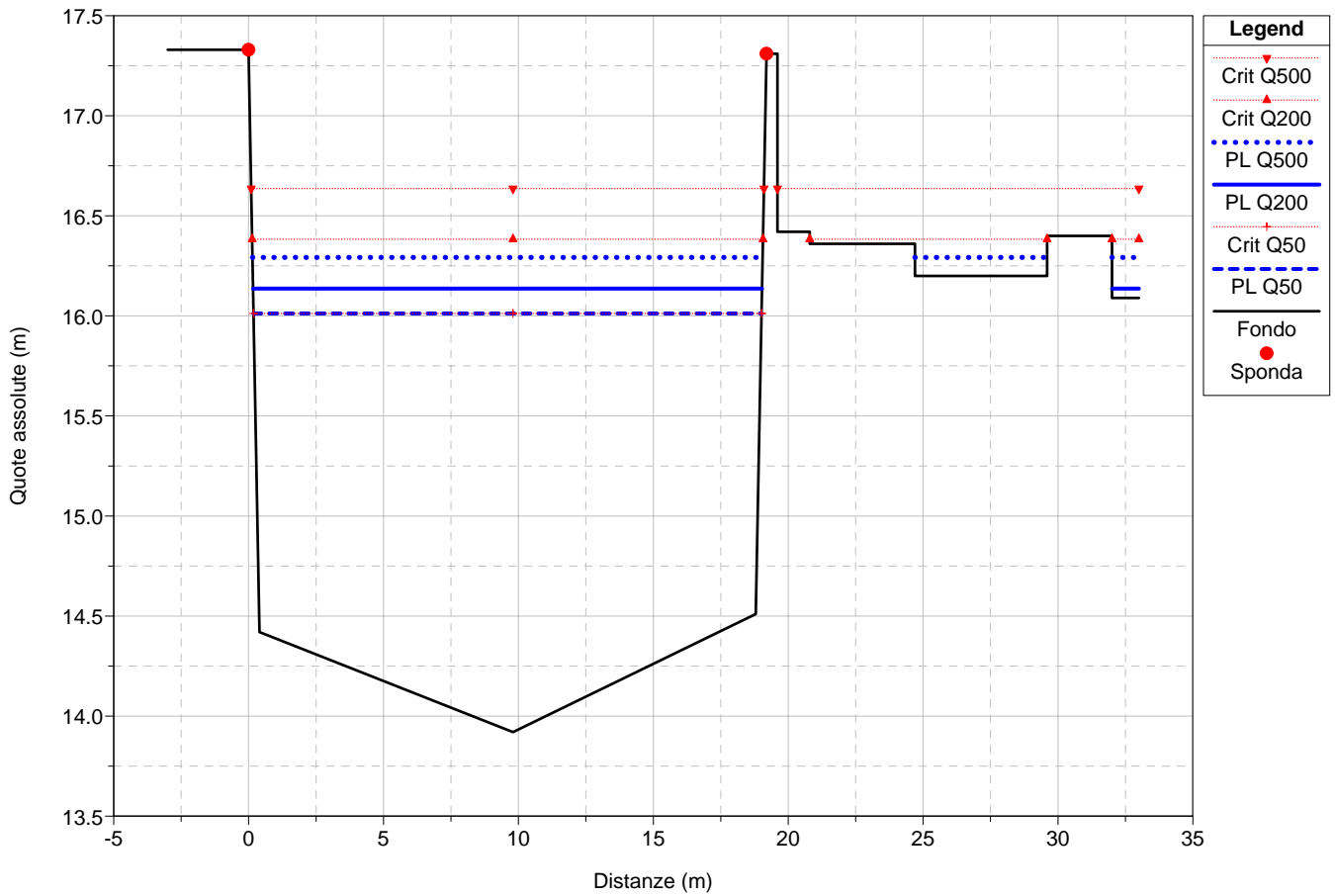
PdB Ambito 15 Torrente Boate
 River = s.maria Reach = tratto 2 SM_S19





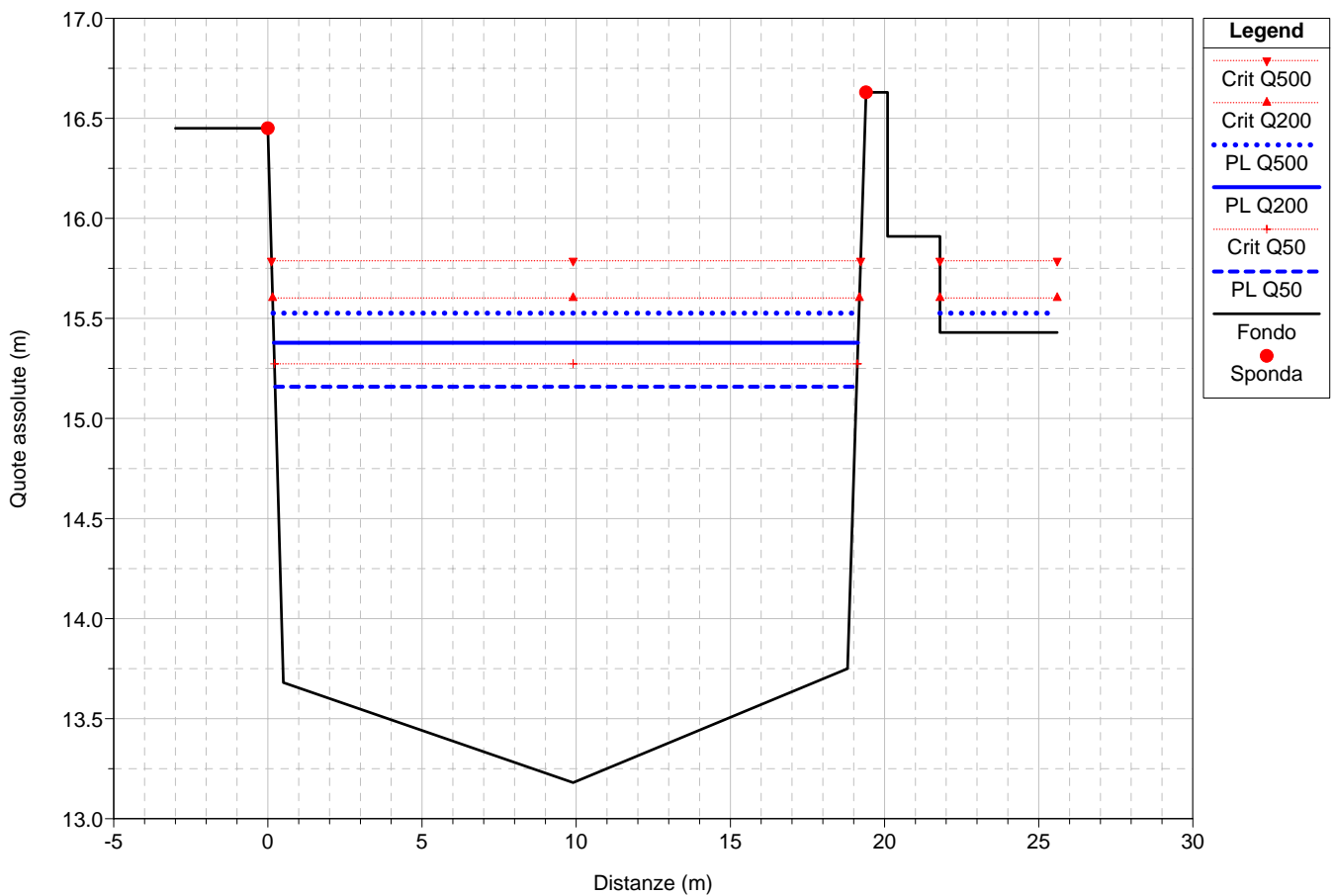
PdB Ambito 15 Torrente Boate

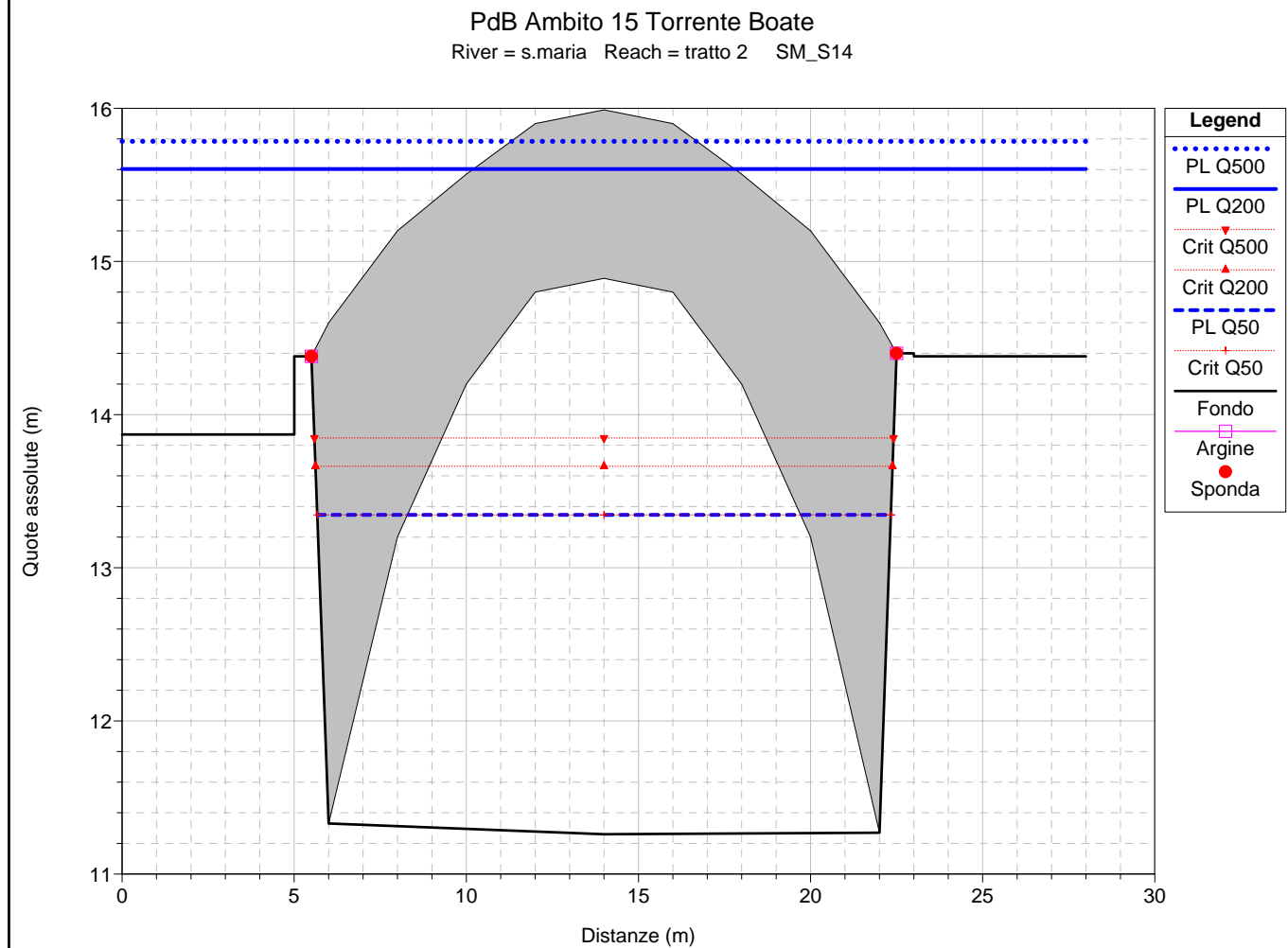
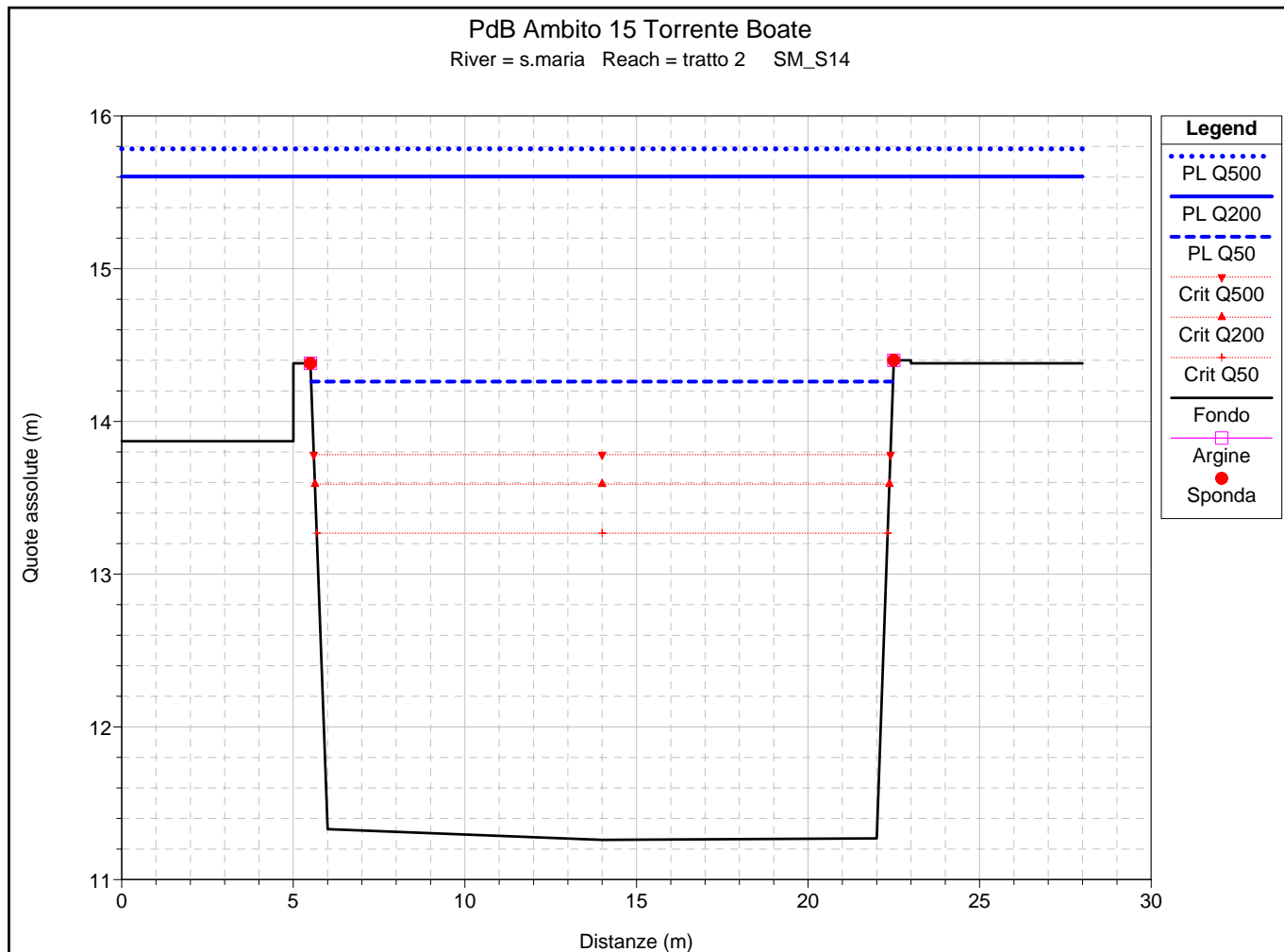
River = s.maria Reach = tratto 2 SM_S16

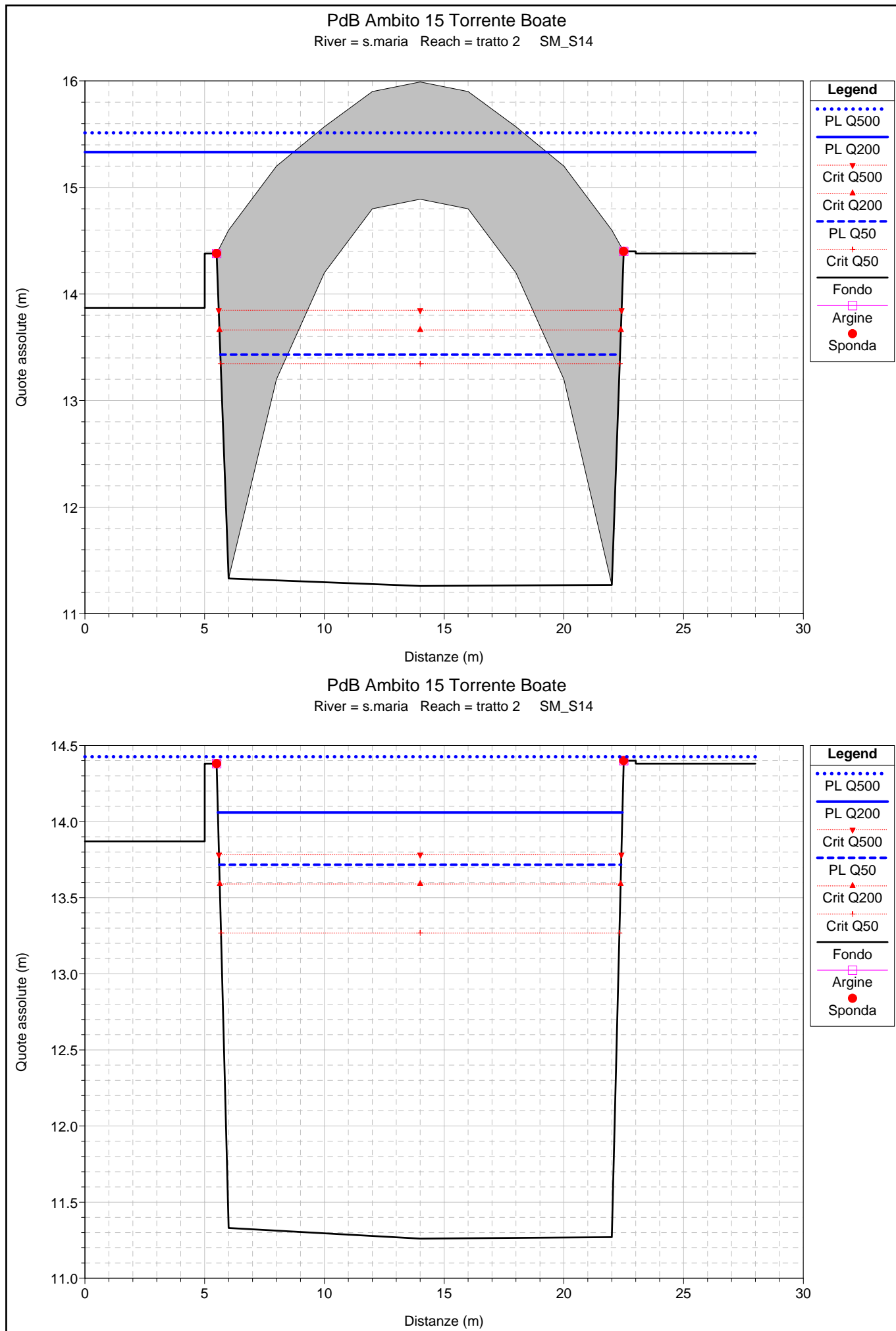


PdB Ambito 15 Torrente Boate

River = s.maria Reach = tratto 2 SM_S15

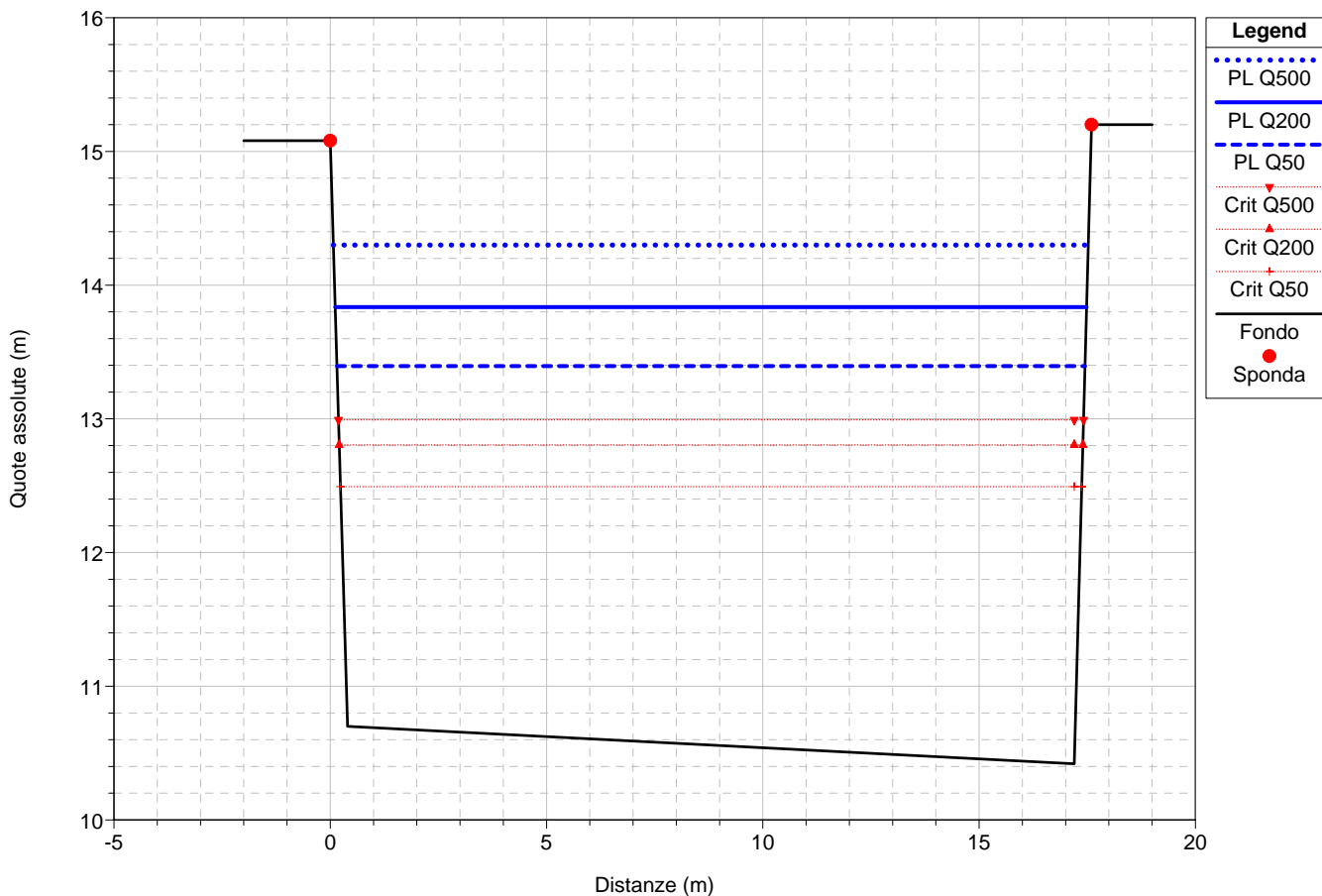






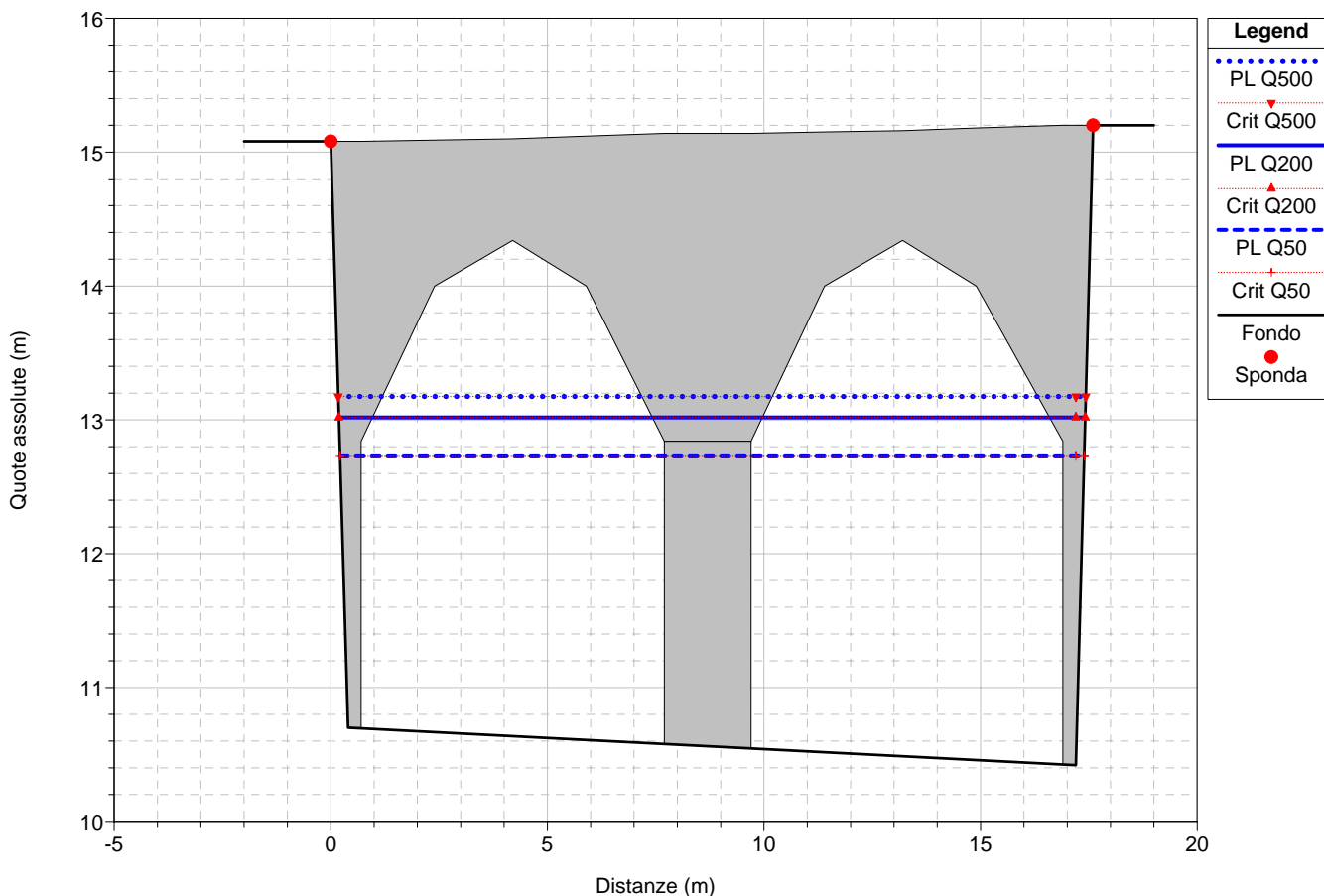
PdB Ambito 15 Torrente Boate

River = s.maria Reach = tratto 2 SM_S13



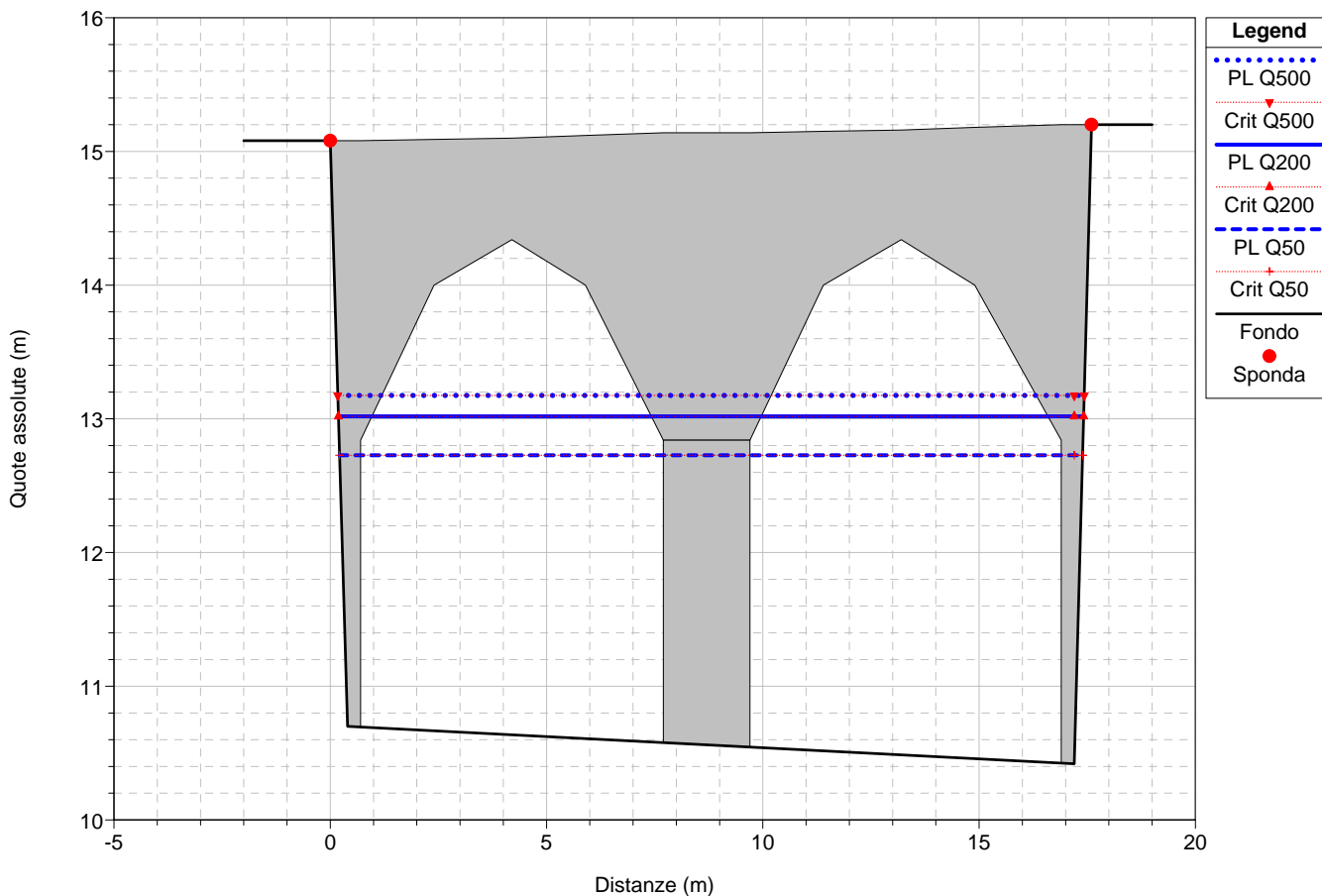
PdB Ambito 15 Torrente Boate

River = s.maria Reach = tratto 2 SM_S13



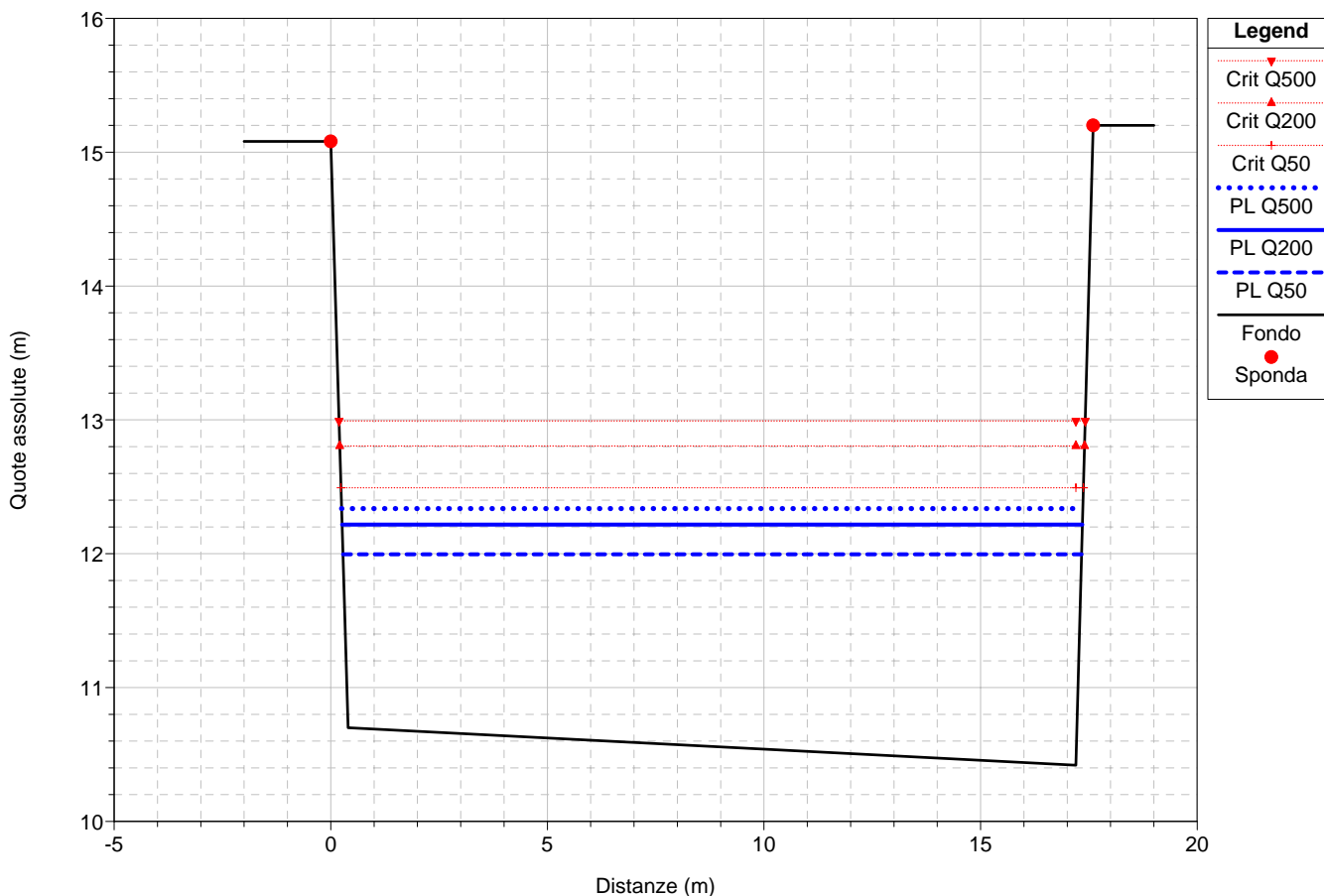
PdB Ambito 15 Torrente Boate

River = s.maria Reach = tratto 2 SM_S13



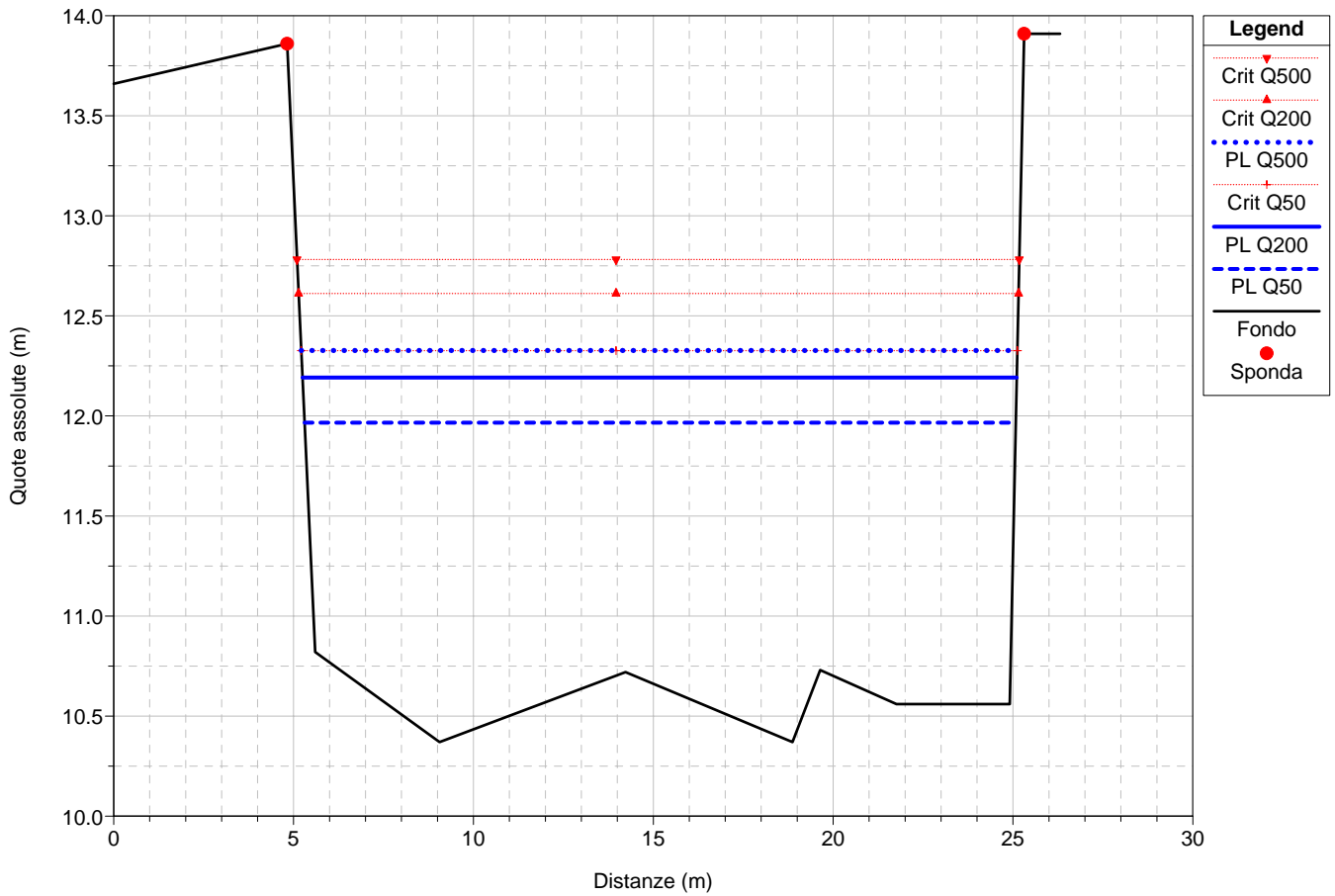
PdB Ambito 15 Torrente Boate

River = s.maria Reach = tratto 2 SM_S13



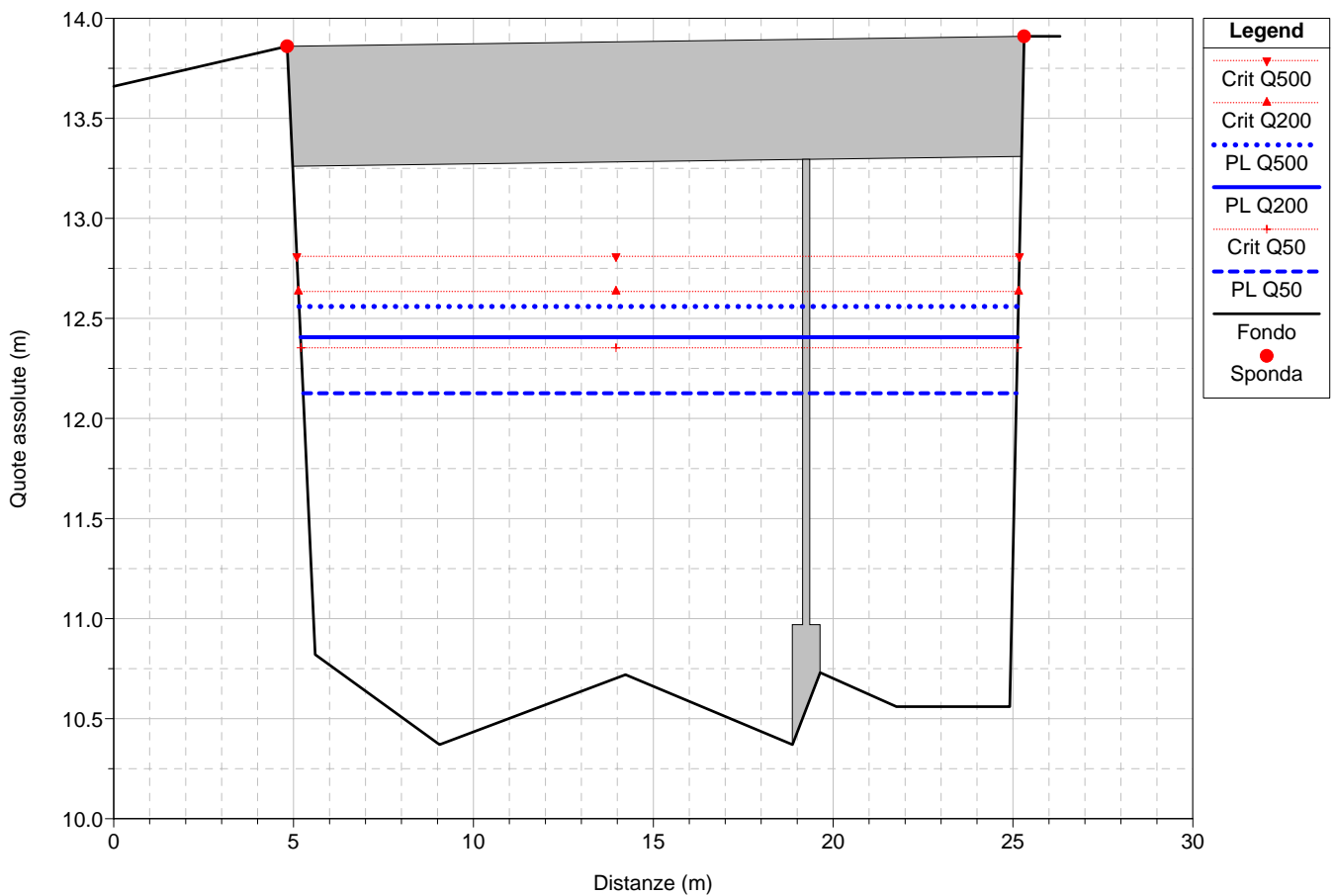
PdB Ambito 15 Torrente Boate

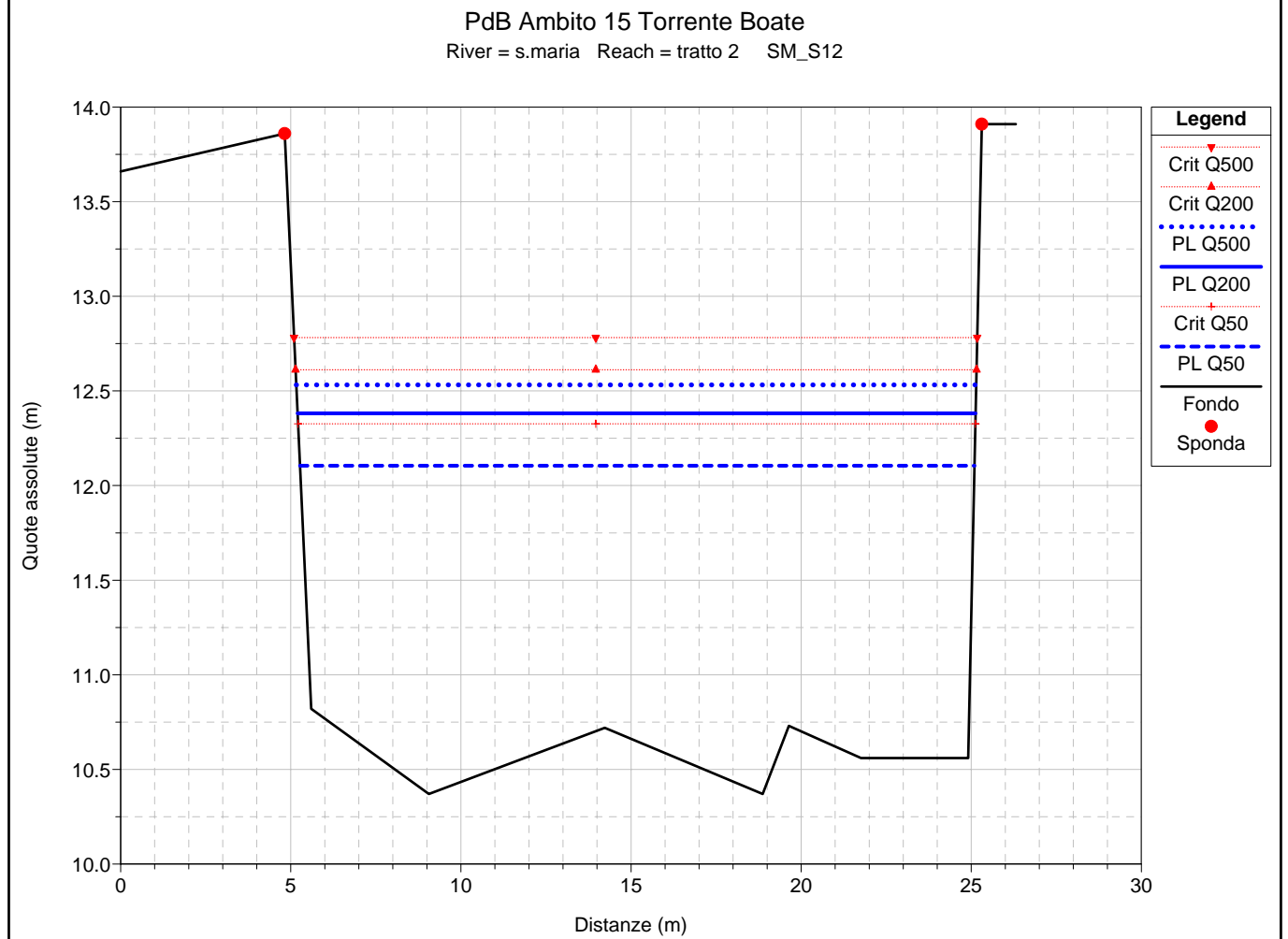
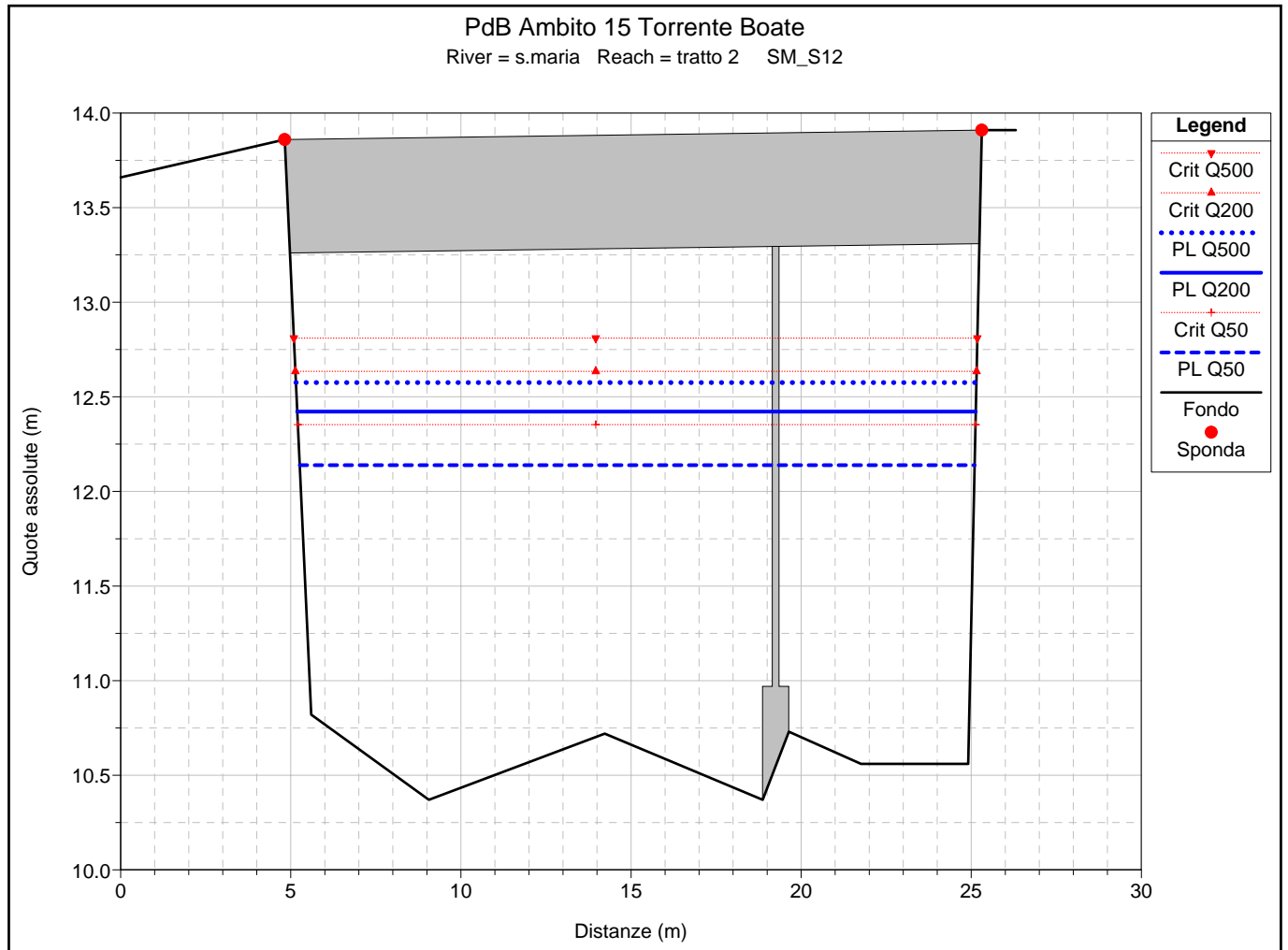
River = s.maria Reach = tratto 2 SM_S12

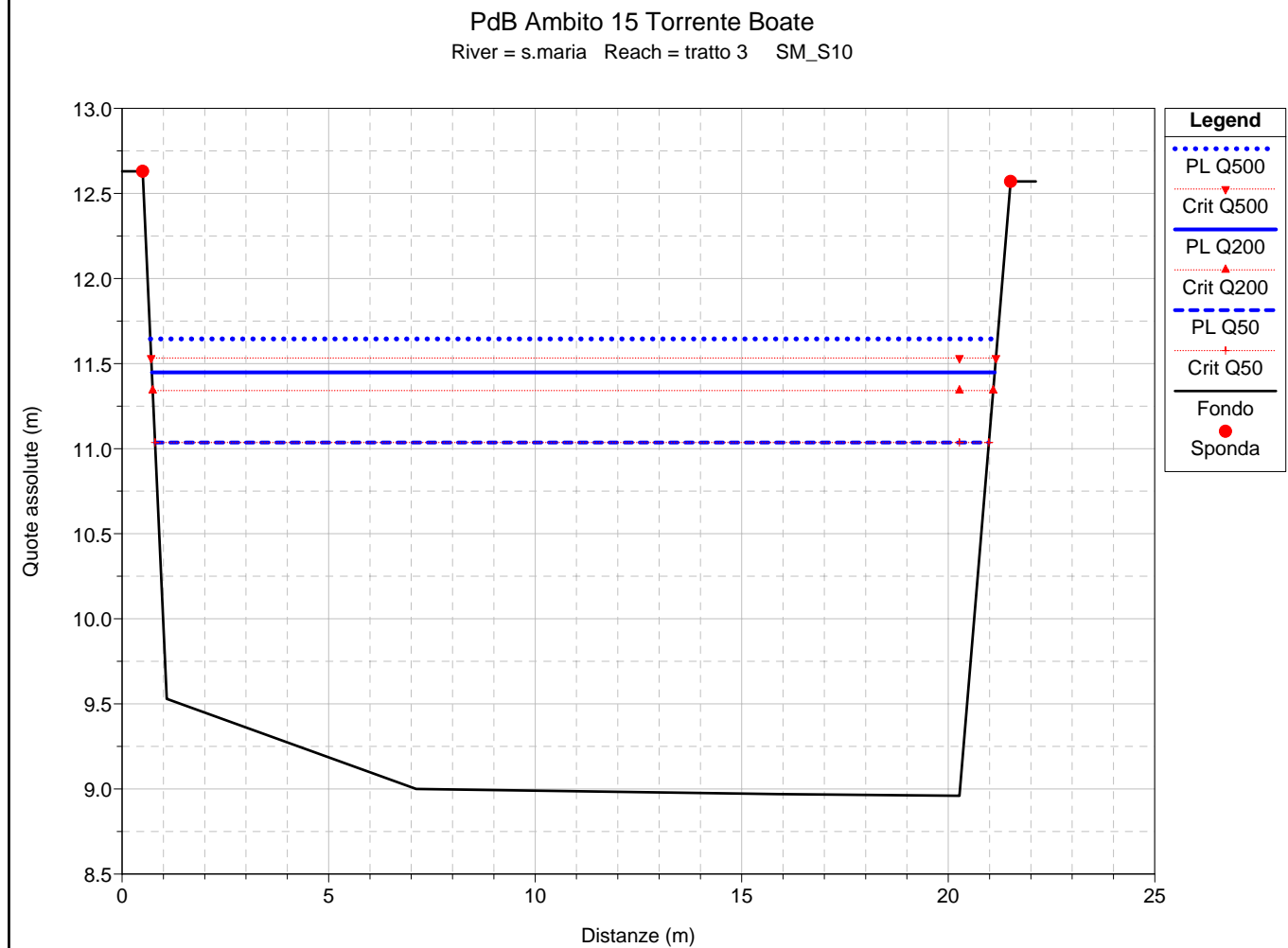
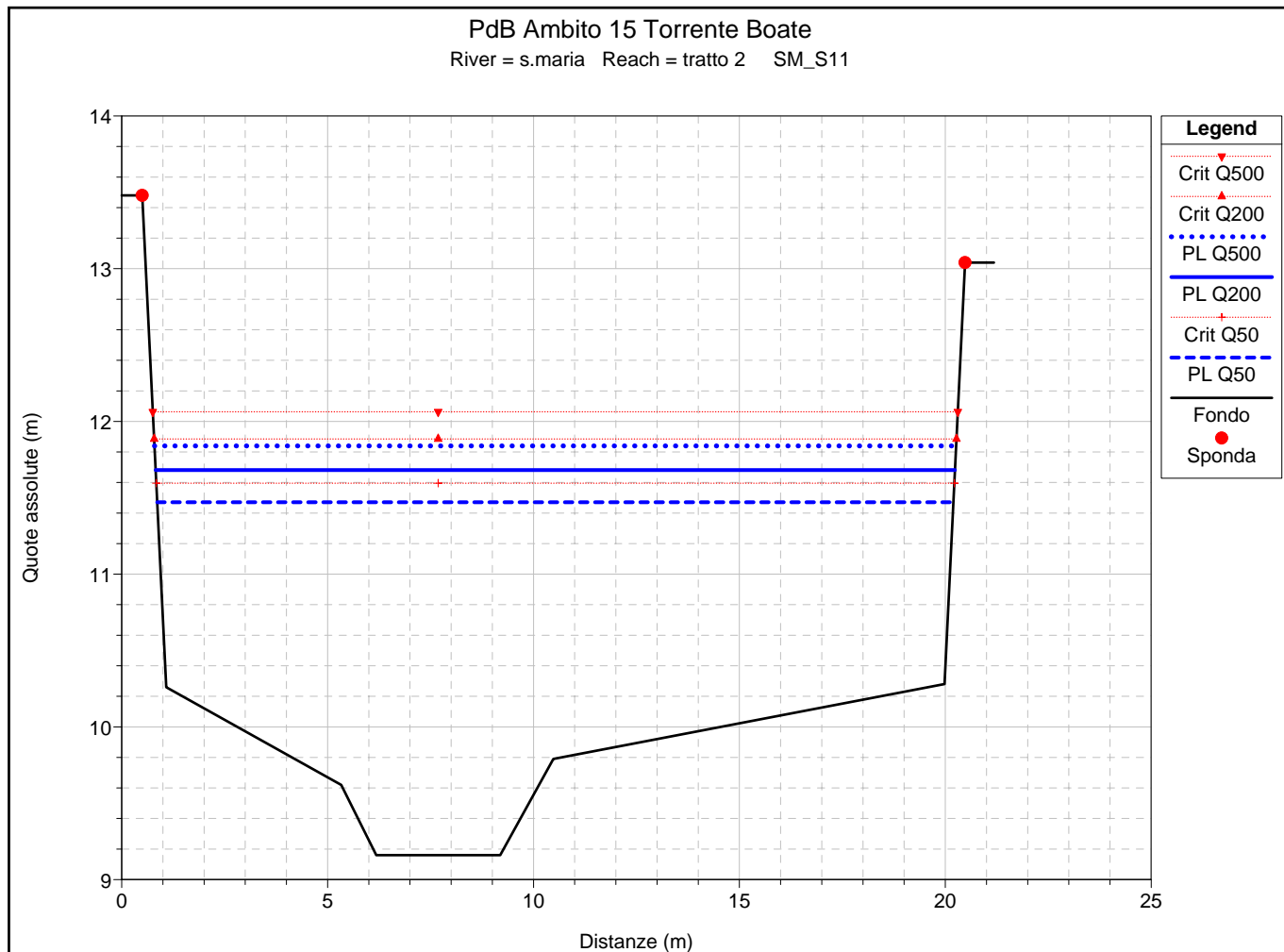


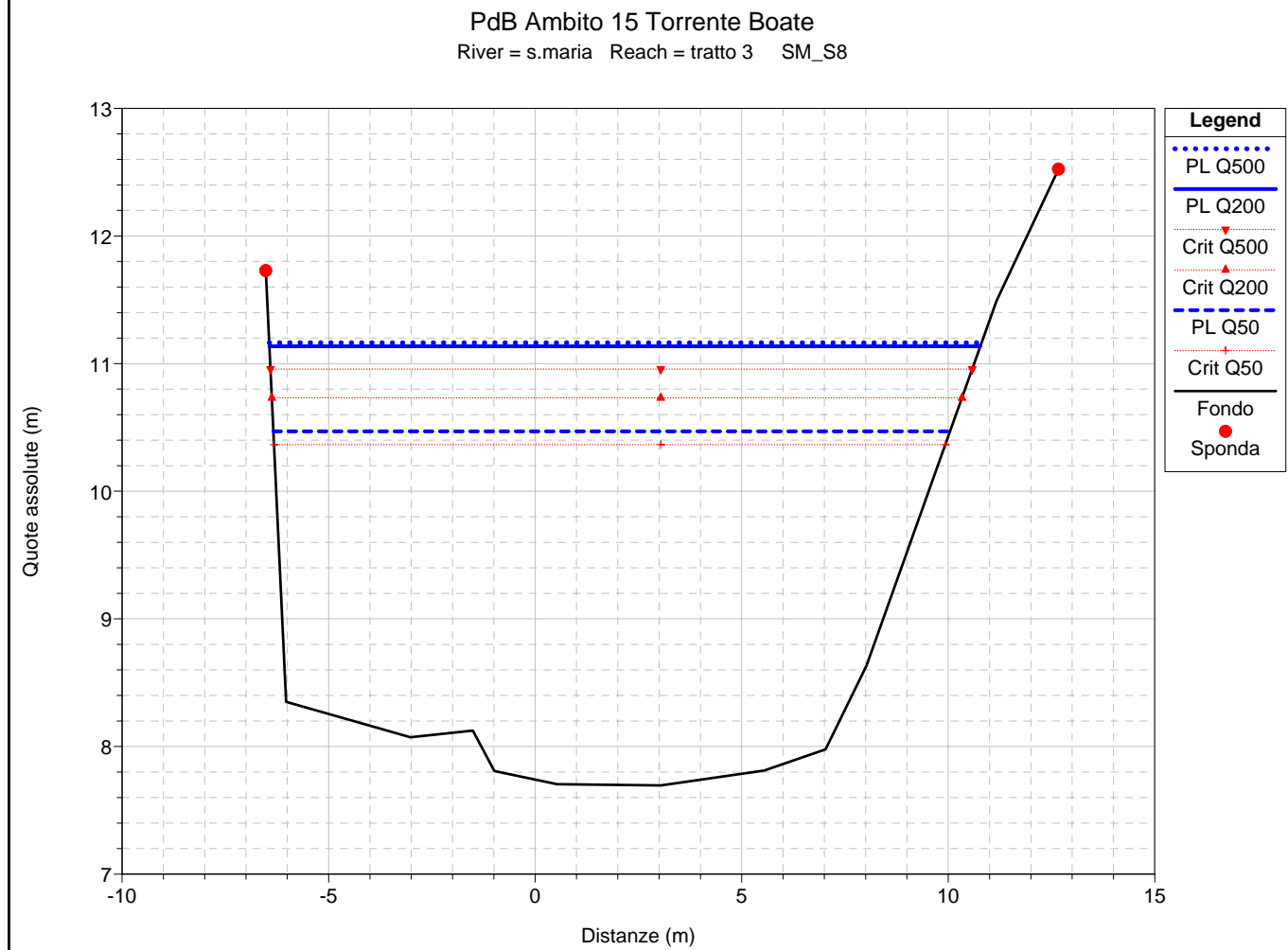
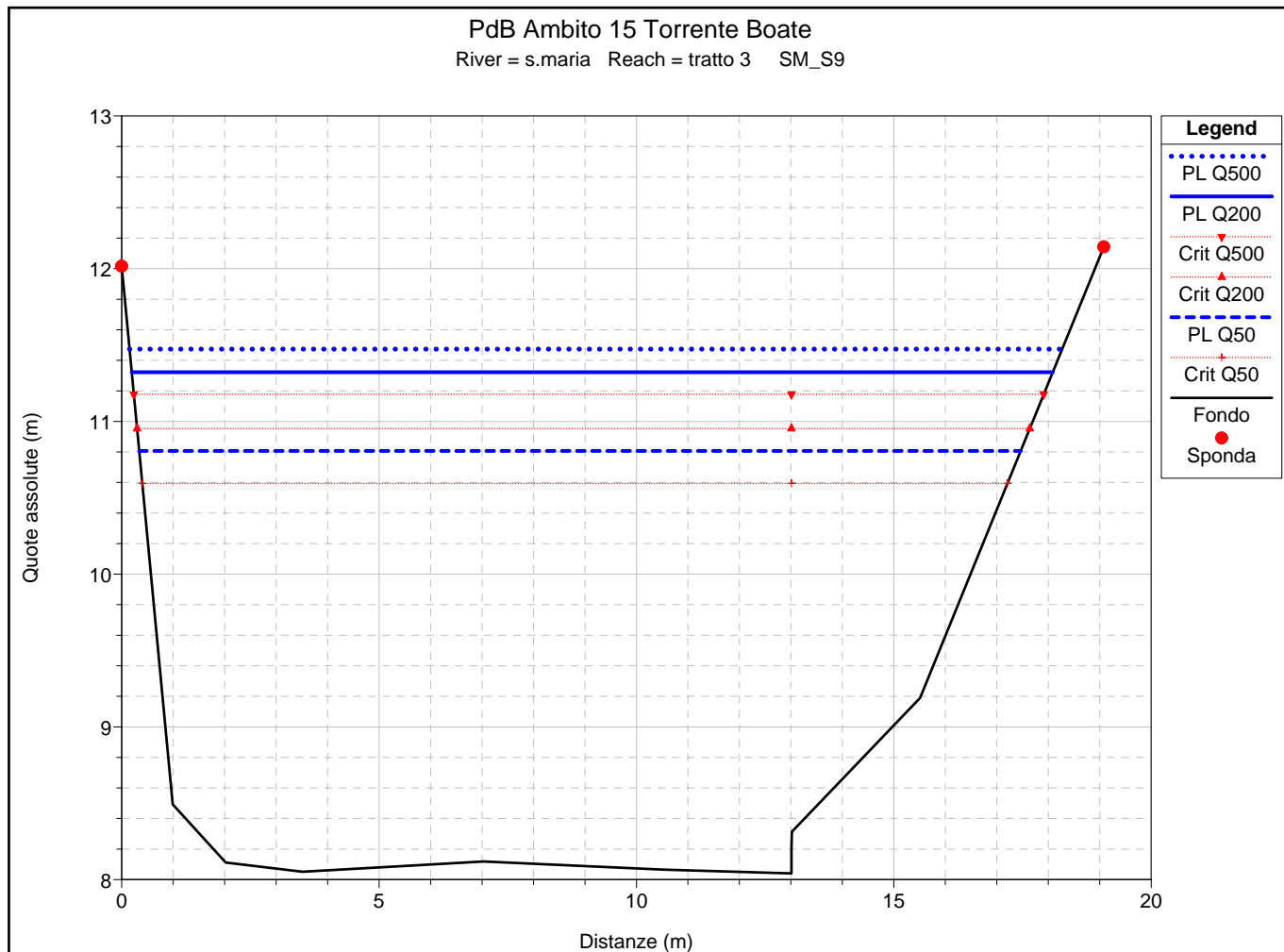
PdB Ambito 15 Torrente Boate

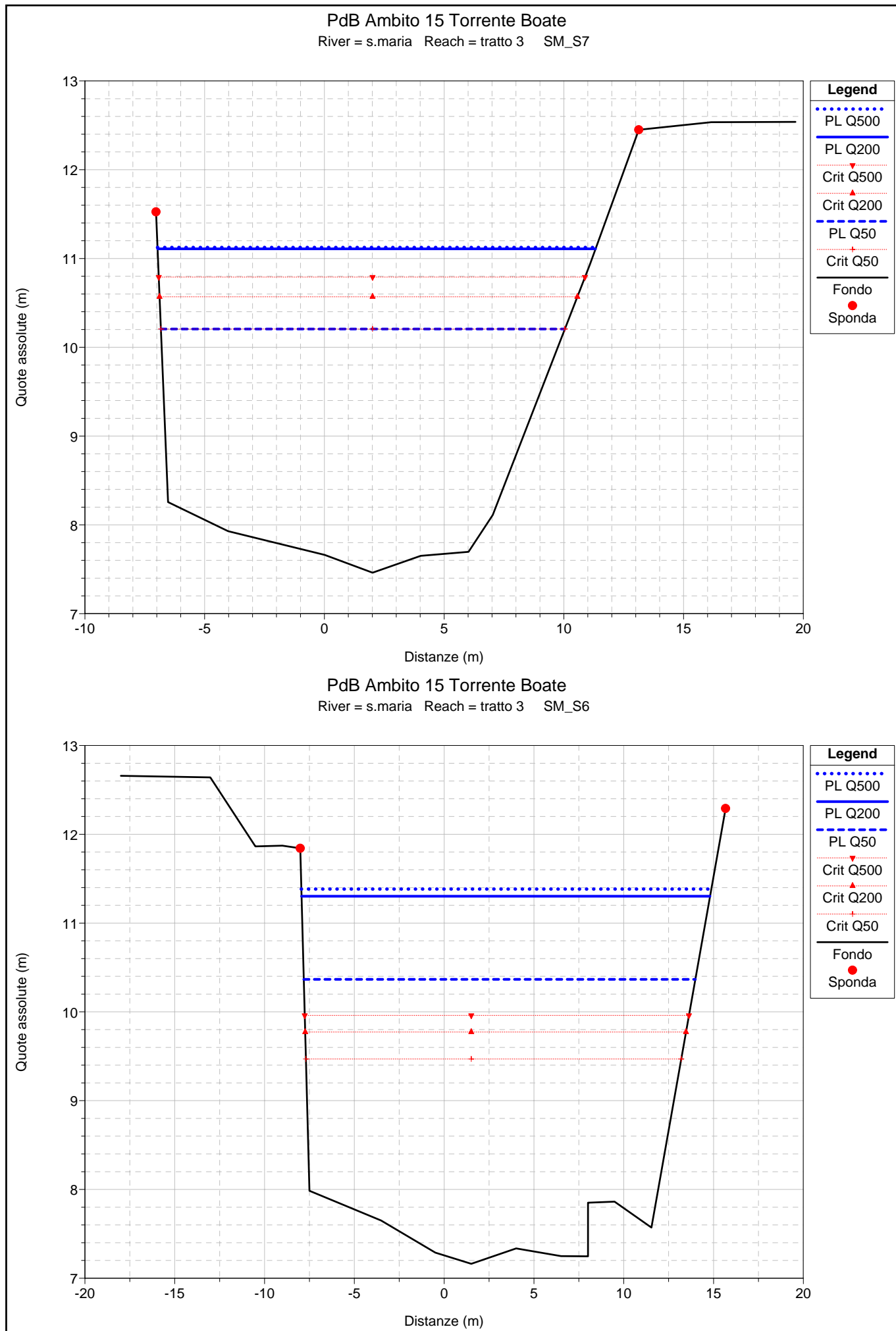
River = s.maria Reach = tratto 2 SM_S12

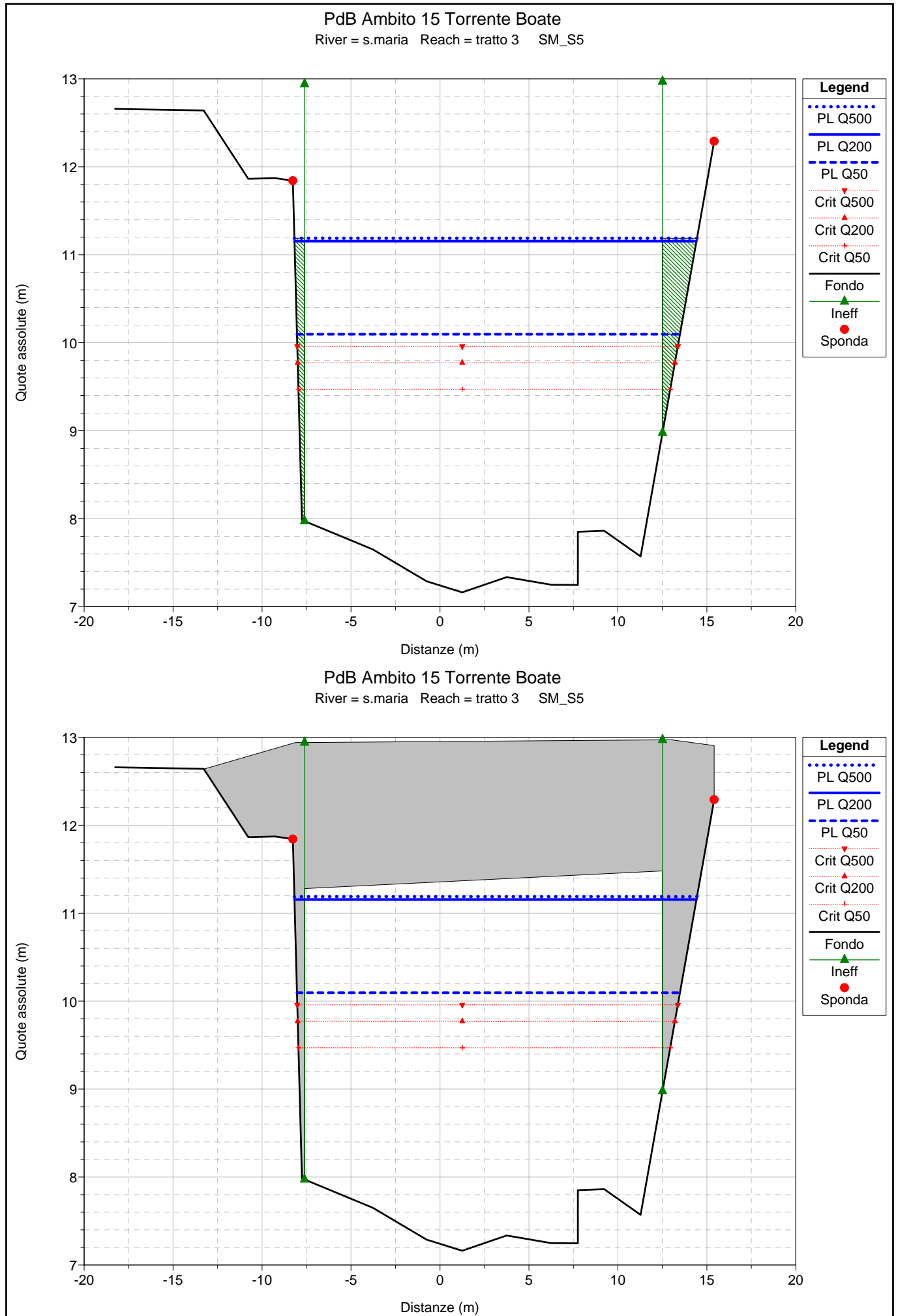


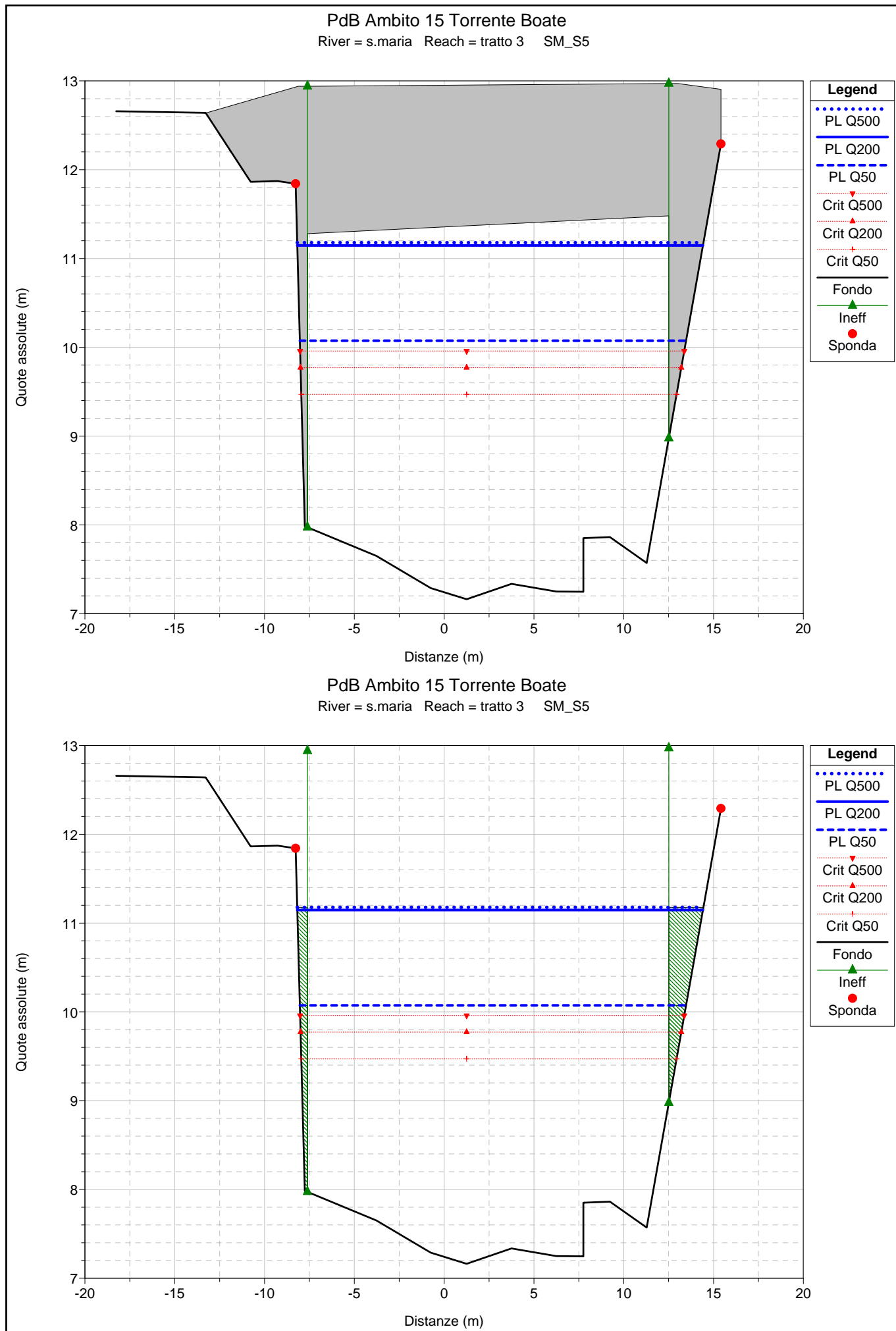


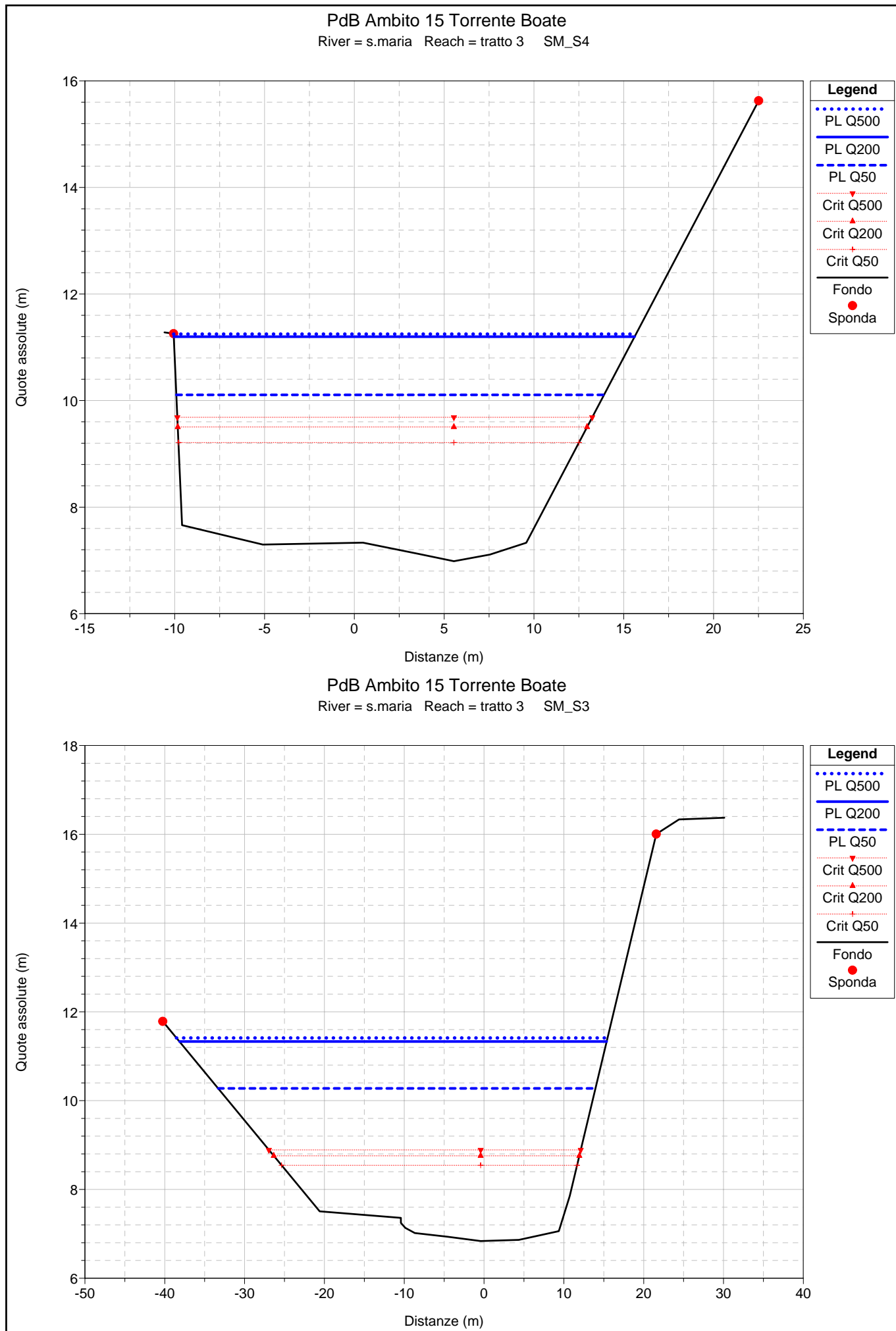


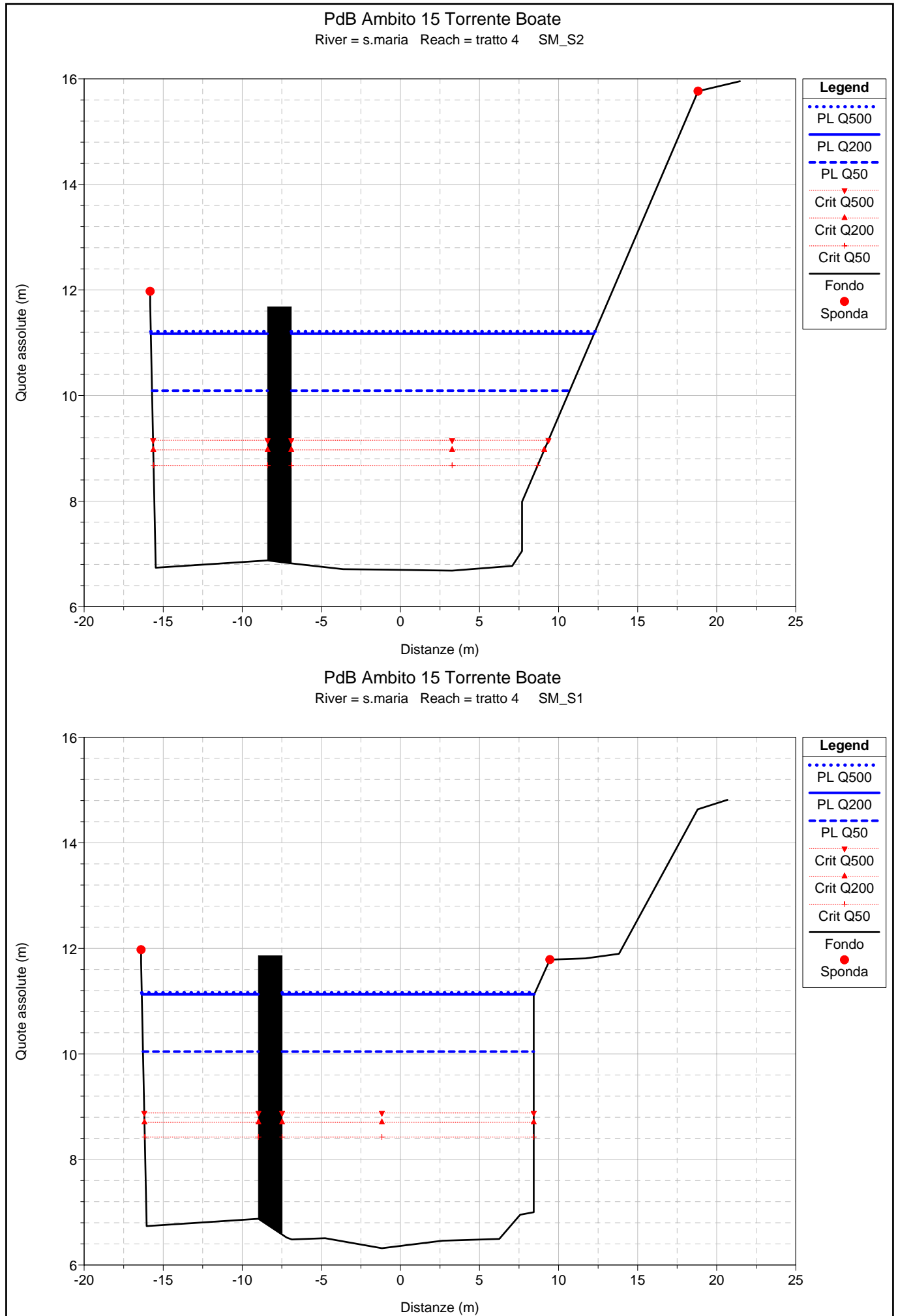




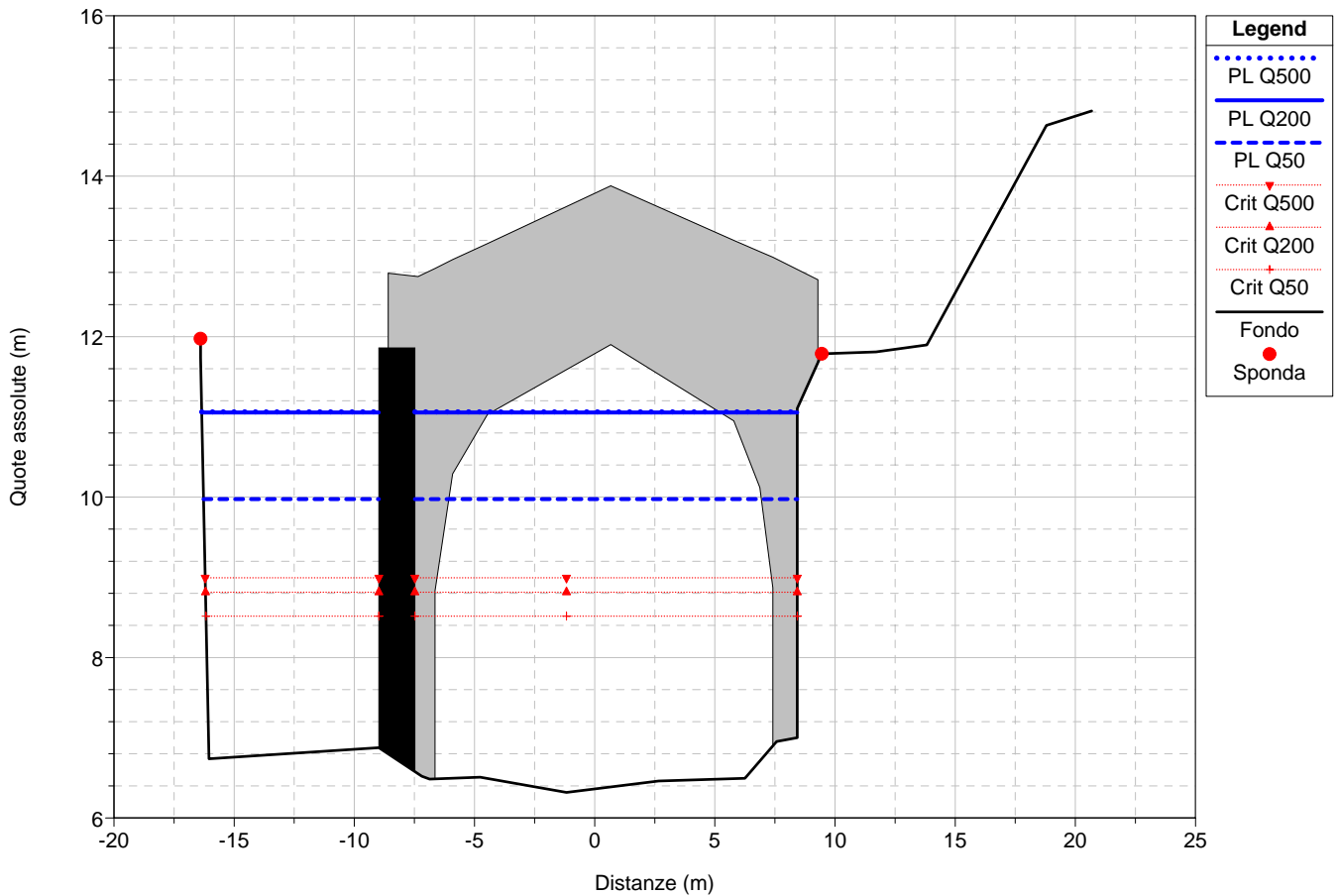




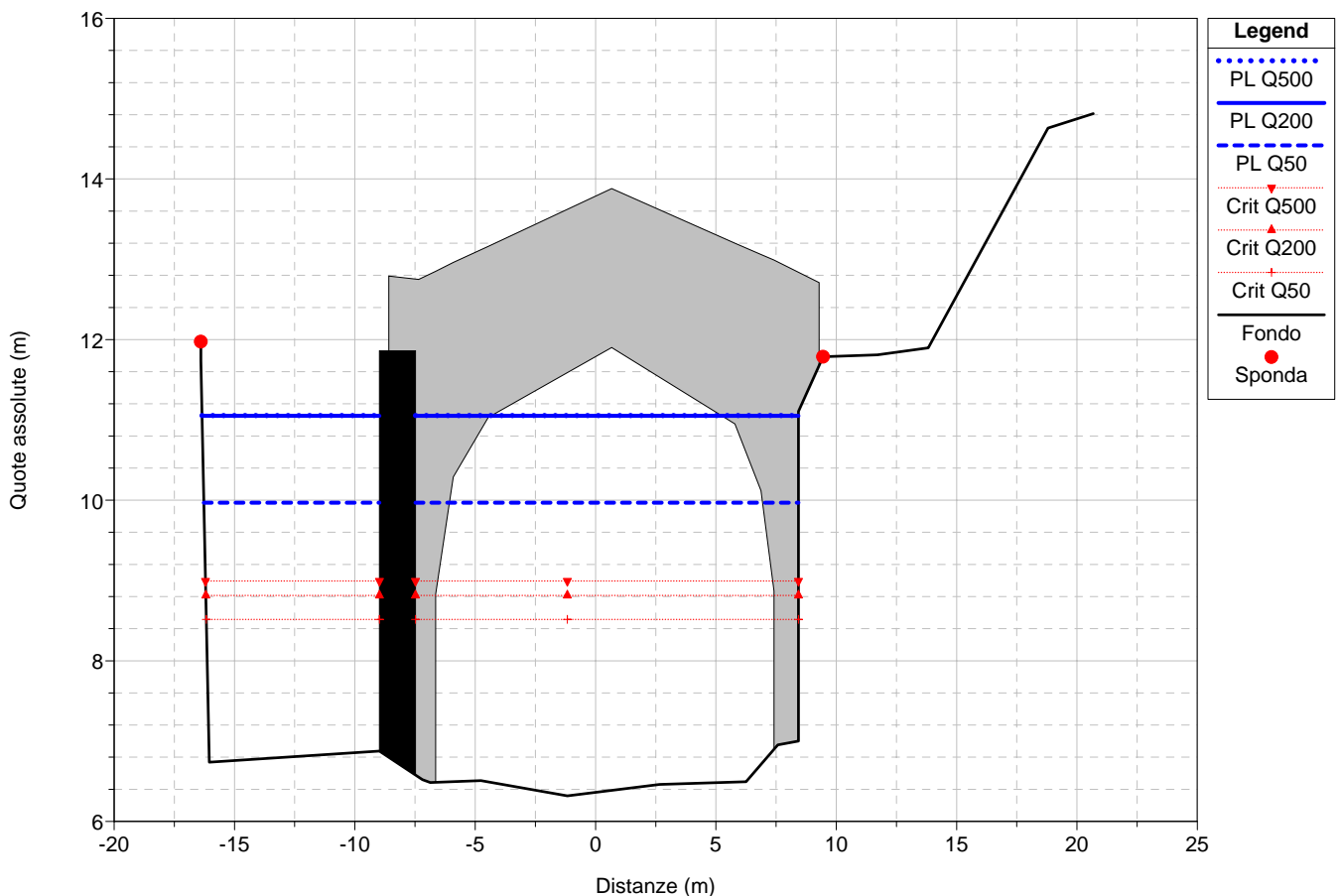


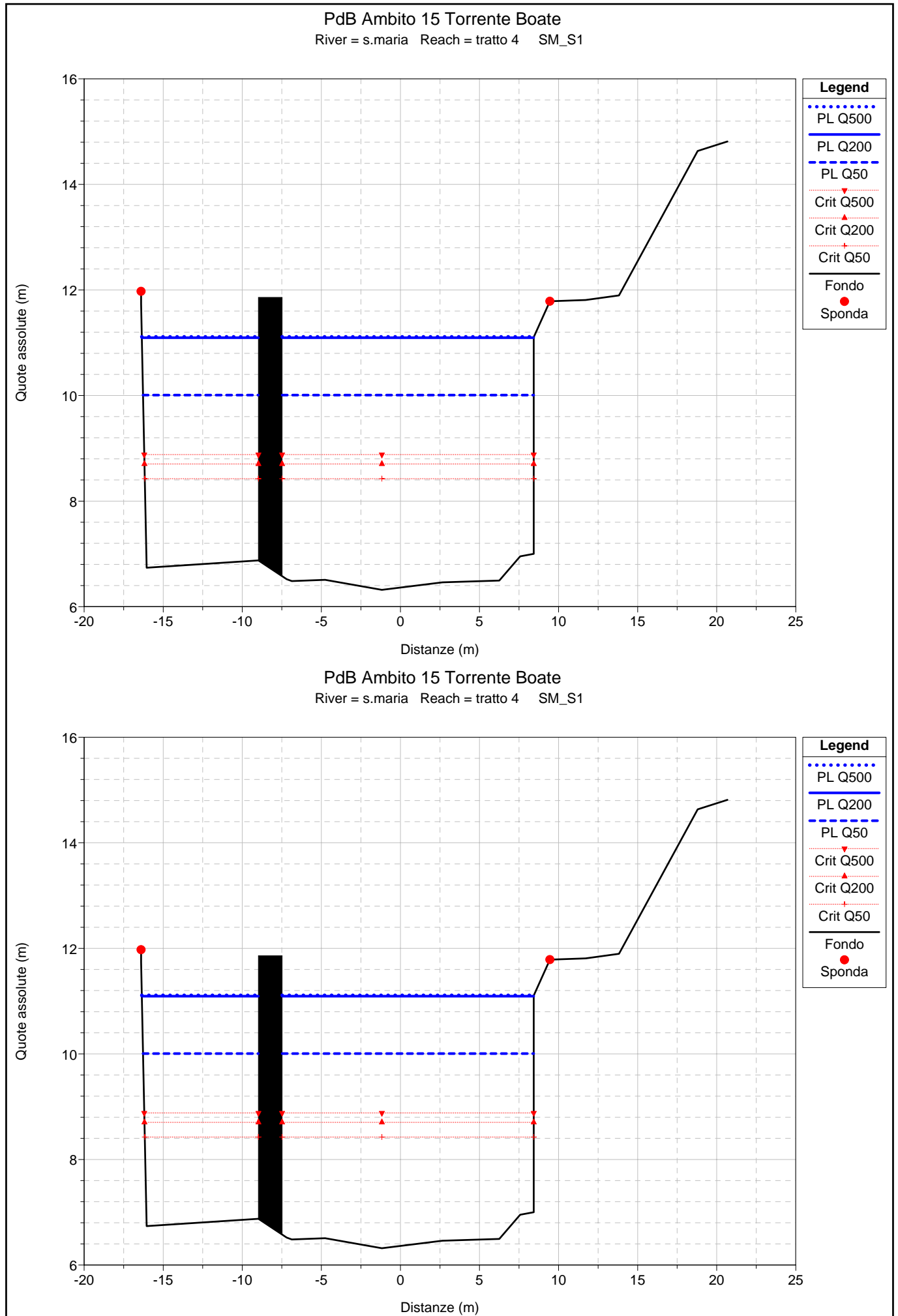


PdB Ambito 15 Torrente Boate
 River = s.maria Reach = tratto 4 SM_S1



PdB Ambito 15 Torrente Boate
 River = s.maria Reach = tratto 4 SM_S1





HEC-RAS Plan: Santa Maria

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
tratto 1	100	fittizia	68.00	29.10	30.62	31.78	1.16	31.82	1.20	31.06	32.15	0.024020	5.47	12.43	11.12	1.65
tratto 1	100	fittizia	87.00	29.10	30.81	31.78	0.97	31.82	1.01	31.34	32.63	0.024010	5.96	14.59	11.12	1.66
tratto 1	100	fittizia	100.00	29.10	30.94	31.78	0.84	31.82	0.88	31.52	32.93	0.024007	6.26	15.98	11.12	1.67
tratto 1	39.1	SM_S31	68.00	26.67	28.18	29.35	1.17	29.39	1.21	28.64	29.72	0.024379	5.50	12.37	11.12	1.66
tratto 1	39.1	SM_S31	87.00	26.67	30.14	29.35	-0.79	29.39	-0.75	28.91	30.41	0.001477	2.37	42.57	22.63	0.43
tratto 1	39.1	SM_S31	100.00	26.67	30.25	29.35	-0.90	29.39	-0.86	29.09	30.57	0.001680	2.59	45.19	22.63	0.46
tratto 1	39.	SM_S31	Bridge													
tratto 1	38.9	SM_S31	68.00	26.67	28.42	29.35	0.93	29.39	0.97	28.64	29.47	0.013585	4.55	14.96	11.12	1.25
tratto 1	38.9	SM_S31	87.00	26.67	28.37	29.35	0.98	29.39	1.02	28.91	30.22	0.024796	6.03	14.43	11.12	1.69
tratto 1	38.9	SM_S31	100.00	26.67	28.58	29.35	0.77	29.39	0.81	29.09	30.40	0.020841	5.97	16.74	11.12	1.55
tratto 1	38.1	SM_S30	68.00	24.56	27.36	27.24	-0.12	28.35	0.99	26.80	27.89	0.004182	3.22	21.10	9.13	0.68
tratto 1	38.1	SM_S30	87.00	24.56	27.89	27.24	-0.65	28.35	0.46	27.13	28.46	0.003803	3.34	26.02	9.35	0.64
tratto 1	38.1	SM_S30	100.00	24.56	28.36	27.24	-1.12	28.35	-0.01	27.35	28.91	0.003260	3.29	30.43	9.54	0.59
tratto 1	38.	SM_S30	Bridge													
tratto 1	37.9	SM_S30	68.00	24.56	27.16	27.24	0.08	28.35	1.19	26.80	27.79	0.005371	3.52	19.32	9.03	0.77
tratto 1	37.9	SM_S30	87.00	24.56	27.56	27.24	-0.32	28.35	0.79	27.13	28.29	0.005417	3.80	22.92	9.21	0.77
tratto 1	37.9	SM_S30	100.00	24.56	27.83	27.24	-0.59	28.35	0.52	27.35	28.62	0.005345	3.93	25.44	9.32	0.76
tratto 1	37.	SM_S29	68.00	24.34	26.75	27.74	0.98	27.97	1.22	26.75	27.67	0.008853	4.24	16.05	8.79	1.00
tratto 1	37.	SM_S29	87.00	24.34	27.09	27.74	0.65	27.97	0.88	27.09	28.16	0.008995	4.59	18.97	8.85	1.00
tratto 1	37.	SM_S29	100.00	24.34	27.35	27.74	0.38	27.97	0.62	27.35	28.46	0.008931	4.66	21.46	9.72	1.00
tratto 1	36.	SM_S28	68.00	23.25	25.06	25.80	0.74	25.19	0.13	25.52	26.38	0.018224	5.09	13.35	11.21	1.49
tratto 1	36.	SM_S28	87.00	23.25	25.26	25.80	0.54	25.19	-0.07	25.80	26.82	0.018662	5.54	16.05	17.97	1.53
tratto 1	36.	SM_S28	100.00	23.25	25.36	25.80	0.44	25.19	-0.17	25.97	27.09	0.019160	5.85	17.97	18.17	1.57
tratto 1	35.	SM_S27	68.00	21.66	23.73	23.40	-0.33	23.39	-0.34	23.91	24.55	0.011406	4.03	17.34	17.36	1.17
tratto 1	35.	SM_S27	87.00	21.66	24.04	23.40	-0.64	23.39	-0.65	24.17	24.84	0.008364	4.02	23.23	20.57	1.04
tratto 1	35.	SM_S27	100.00	21.66	24.19	23.40	-0.79	23.39	-0.80	24.31	25.03	0.007830	4.14	26.40	21.19	1.02
tratto 1	34.	SM_S26	68.00	19.27	22.48	23.46	0.98	22.54	0.06	21.51	22.69	0.001450	2.02	33.73	16.85	0.45
tratto 1	34.	SM_S26	87.00	19.27	23.14	23.46	0.32	22.54	-0.60	21.77	23.33	0.001083	1.90	45.68	19.37	0.40
tratto 1	34.	SM_S26	100.00	19.27	23.54	23.46	-0.08	22.54	-1.00	21.93	23.72	0.000892	1.87	53.38	19.37	0.36
tratto 1	33.	SM_S25	68.00	19.47	22.40	22.62	0.22	22.61	0.21	21.42	22.65	0.001654	2.22	30.66	14.37	0.48
tratto 1	33.	SM_S25	87.00	19.47	23.06	22.62	-0.44	22.61	-0.45	21.71	23.30	0.001173	2.15	40.70	15.50	0.42
tratto 1	33.	SM_S25	100.00	19.47	23.46	22.62	-0.84	22.61	-0.85	21.90	23.69	0.001015	2.15	46.80	15.50	0.39
tratto 1	32.	SM_S24	68.00	18.87	22.32	22.22	-0.10	21.77	-0.55	20.96	22.59	0.001597	2.30	29.81	11.00	0.48
tratto 1	32.	SM_S24	87.00	18.87	22.96	22.22	-0.74	21.77	-1.19	21.30	23.25	0.001435	2.41	36.76	11.00	0.47
tratto 1	32.	SM_S24	100.00	18.87	23.33	22.22	-1.11	21.77	-1.56	21.52	23.65	0.001401	2.51	40.88	11.00	0.47
tratto 2	32	SM_S23	131.00	18.50	21.86	22.80	0.94	21.73	-0.13	21.21	22.59	0.004250	3.79	34.60	11.51	0.70
tratto 2	32	SM_S23	166.00	18.50	22.41	22.80	0.39	21.73	-0.68	21.62	23.25	0.004237	4.05	40.96	11.56	0.69

HEC-RAS Plan: Santa Maria (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
tratto 2	32 SM_S23	Q500	189.00	18.50	22.74	22.80	0.06	21.73	-1.01	21.88	23.65	0.004306	4.23	44.69	11.59	0.69
tratto 2	31. SM_S22	Q50	142.00	18.31	21.14	22.76	1.62	21.01	-0.13	21.14	22.47	0.009336	5.10	27.83	10.50	1.00
tratto 2	31. SM_S22	Q200	178.00	18.31	21.57	22.76	1.19	21.01	-0.56	21.57	23.11	0.009536	5.50	32.36	10.50	1.00
tratto 2	31. SM_S22	Q500	201.00	18.31	21.83	22.76	0.93	21.01	-0.82	21.83	23.50	0.009688	5.73	35.08	10.50	1.00
tratto 2	30. SM_S21	Q50	142.00	18.20	20.29	22.09	1.80	20.99	0.70	20.80	22.26	0.018000	6.22	22.82	11.80	1.43
tratto 2	30. SM_S21	Q200	178.00	18.20	20.60	22.09	1.49	20.99	0.39	21.20	22.89	0.018032	6.71	26.54	11.80	1.43
tratto 2	30. SM_S21	Q500	201.00	18.20	20.79	22.09	1.30	20.99	0.20	21.44	23.28	0.018086	6.98	28.79	11.80	1.43
tratto 2	29. SM_S20	Q50	142.00	17.87	19.33	21.36	2.03	20.15	0.82	19.97	21.46	0.027321	6.46	21.97	18.07	1.87
tratto 2	29. SM_S20	Q200	178.00	17.87	19.50	21.36	1.86	20.15	0.65	20.28	22.09	0.028612	7.12	24.99	18.11	1.94
tratto 2	29. SM_S20	Q500	201.00	17.87	19.60	21.36	1.76	20.15	0.55	20.48	22.46	0.029242	7.50	26.82	18.13	1.97
tratto 2	28. SM_S19	Q50	142.00	16.05	20.24	19.85	-0.39	19.93	-0.31	18.72	20.56	0.001453	2.54	56.77	18.75	0.43
tratto 2	28. SM_S19	Q200	178.00	16.05	20.69	19.85	-0.84	19.93	-0.76	19.05	21.09	0.001512	2.81	65.24	18.75	0.45
tratto 2	28. SM_S19	Q500	201.00	16.05	20.44	19.85	-0.59	19.93	-0.51	19.25	21.03	0.002393	3.39	60.68	18.75	0.56
tratto 2	27.9 SM_S19		Bridge													
tratto 2	27.8 SM_S19	Q50	142.00	16.05	18.72	19.85	1.13	19.93	1.21	18.72	19.73	0.008080	4.45	31.88	15.75	1.00
tratto 2	27.8 SM_S19	Q200	178.00	16.05	19.05	19.85	0.80	19.93	0.88	19.05	20.23	0.008053	4.81	37.03	15.75	1.00
tratto 2	27.8 SM_S19	Q500	201.00	16.05	19.25	19.85	0.60	19.93	0.68	19.25	20.53	0.008027	5.00	40.19	15.75	1.00
tratto 2	27.7 SM_S18	Q50	142.00	15.16	17.22	18.69	1.47	18.89	1.67	17.36	18.26	0.009518	4.51	31.52	19.15	1.12
tratto 2	27.7 SM_S18	Q200	178.00	15.16	17.35	18.69	1.34	18.89	1.54	17.65	18.75	0.011820	5.24	33.99	19.19	1.26
tratto 2	27.7 SM_S18	Q500	201.00	15.16	17.45	18.69	1.24	18.89	1.44	17.82	19.05	0.012763	5.61	35.86	19.21	1.31
tratto 2	27.6 SM_S17	Q50	142.00	14.53	16.55	18.13	1.58	18.07	1.52	16.60	17.47	0.008159	4.24	33.52	19.78	1.04
tratto 2	27.6 SM_S17	Q200	178.00	14.53	16.71	18.13	1.42	18.07	1.36	16.88	17.91	0.009704	4.86	36.65	19.82	1.14
tratto 2	27.6 SM_S17	Q500	201.00	14.53	16.88	18.13	1.25	18.07	1.19	17.11	18.17	0.009466	5.03	39.95	19.87	1.13
tratto 2	27.5 SM_S16	Q50	142.00	13.92	16.01	17.33	1.32	17.31	1.30	16.01	16.91	0.007578	4.20	33.82	18.83	1.00
tratto 2	27.5 SM_S16	Q200	178.00	13.92	16.14	17.33	1.19	17.31	1.17	16.38	17.37	0.009675	4.92	36.21	19.87	1.13
tratto 2	27.5 SM_S16	Q500	201.00	13.92	16.29	17.33	1.04	17.31	1.02	16.64	17.63	0.009658	5.13	39.75	24.81	1.14
tratto 2	27.4 SM_S15	Q50	142.00	13.18	15.16	16.45	1.29	16.63	1.47	15.27	16.18	0.009215	4.48	31.73	18.86	1.10
tratto 2	27.4 SM_S15	Q200	178.00	13.18	15.38	16.45	1.07	16.63	1.25	15.60	16.63	0.009878	4.96	35.88	18.95	1.15
tratto 2	27.4 SM_S15	Q500	201.00	13.18	15.53	16.45	0.92	16.63	1.10	15.79	16.90	0.009961	5.19	39.06	22.80	1.16
tratto 2	27. SM_S14	Q50	142.00	11.26	14.26	14.38	0.12	14.40	0.14	13.27	14.69	0.002247	2.75	49.10	16.96	0.52
tratto 2	27. SM_S14	Q200	178.00	11.26	15.60	14.38	-1.22	14.40	-1.20	13.59	15.86	0.000867	2.30	87.94	28.00	0.36
tratto 2	27. SM_S14	Q500	201.00	11.26	15.78	14.38	-1.40	14.40	-1.38	13.78	16.07	0.000946	2.47	93.01	28.00	0.38
tratto 2	26.9 SM_S14		Bridge													
tratto 2	26.8 SM_S14	Q50	142.00	11.26	13.72	14.38	0.66	14.40	0.68	13.27	14.36	0.004182	3.56	39.93	16.78	0.74
tratto 2	26.8 SM_S14	Q200	178.00	11.26	14.06	14.38	0.32	14.40	0.34	13.59	14.83	0.004374	3.89	45.71	16.89	0.76
tratto 2	26.8 SM_S14	Q500	201.00	11.26	14.43	14.38	-0.05	14.40	-0.03	13.78	15.16	0.003706	3.82	54.97	28.00	0.70

HEC-RAS Plan: Santa Maria (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
tratto 2	26. SM_S13	Q50	142.00	10.42	13.39	15.08	1.69	15.20	1.81	12.49	13.83	0.002442	2.94	48.33	17.30	0.56
tratto 2	26. SM_S13	Q200	178.00	10.42	13.84	15.08	1.24	15.20	1.36	12.81	14.35	0.002476	3.18	55.97	17.37	0.57
tratto 2	26. SM_S13	Q500	201.00	10.42	14.30	15.08	0.78	15.20	0.90	12.99	14.80	0.002121	3.14	64.06	17.45	0.52
tratto 2	25.9 SM_S13		Bridge													
tratto 2	25.8 SM_S13	Q50	142.00	10.42	12.00	15.08	3.08	15.20	3.20	12.49	13.73	0.020192	5.84	24.31	17.05	1.56
tratto 2	25.8 SM_S13	Q200	178.00	10.42	12.22	15.08	2.86	15.20	2.98	12.81	14.26	0.020176	6.34	28.10	17.09	1.58
tratto 2	25.8 SM_S13	Q500	201.00	10.42	12.34	15.08	2.74	15.20	2.86	12.99	14.60	0.020692	6.67	30.13	17.11	1.60
tratto 2	25. SM_S12	Q50	142.00	10.37	11.97	13.86	1.89	13.91	1.94	12.33	13.35	0.015967	5.20	27.29	19.77	1.41
tratto 2	25. SM_S12	Q200	178.00	10.37	12.19	13.86	1.67	13.91	1.72	12.61	13.79	0.015568	5.61	31.76	19.86	1.41
tratto 2	25. SM_S12	Q500	201.00	10.37	12.33	13.86	1.53	13.91	1.58	12.78	14.06	0.015367	5.83	34.46	19.91	1.42
tratto 2	24.9 SM_S12		Bridge													
tratto 2	24.8 SM_S12	Q50	142.00	10.37	12.11	13.86	1.75	13.91	1.80	12.33	13.24	0.011796	4.73	30.04	19.82	1.23
tratto 2	24.8 SM_S12	Q200	178.00	10.37	12.38	13.86	1.48	13.91	1.53	12.61	13.66	0.010949	5.01	35.53	19.93	1.20
tratto 2	24.8 SM_S12	Q500	201.00	10.37	12.53	13.86	1.33	13.91	1.38	12.78	13.92	0.010840	5.22	38.54	19.98	1.20
tratto 2	24. SM_S11	Q50	142.00	9.16	11.47	13.48	2.01	13.04	1.57	11.60	12.49	0.009461	4.48	31.71	19.33	1.12
tratto 2	24. SM_S11	Q200	178.00	9.16	11.68	13.48	1.80	13.04	1.36	11.89	12.94	0.010197	4.97	35.78	19.41	1.17
tratto 2	24. SM_S11	Q500	201.00	9.16	11.84	13.48	1.64	13.04	1.20	12.06	13.20	0.010067	5.17	38.86	19.47	1.17
tratto 3	209 SM_S10	Q50	168.00	8.96	11.04	12.63	1.59	12.57	1.53	11.04	12.00	0.007355	4.34	38.70	20.18	1.00
tratto 3	209 SM_S10	Q200	209.00	8.96	11.45	12.63	1.18	12.57	1.12	11.34	12.45	0.006226	4.44	47.07	20.40	0.93
tratto 3	209 SM_S10	Q500	236.00	8.96	11.64	12.63	0.99	12.57	0.93	11.53	12.73	0.006178	4.62	51.09	20.51	0.93
tratto 3	208 SM_S9	Q50	168.00	8.04	10.81	12.02	1.21	12.14	1.34	10.59	11.70	0.005450	4.20	40.04	17.13	0.88
tratto 3	208 SM_S9	Q200	209.00	8.04	11.32	12.02	0.69	12.14	0.82	10.95	12.25	0.004674	4.26	49.06	17.89	0.82
tratto 3	208 SM_S9	Q500	236.00	8.04	11.47	12.02	0.54	12.14	0.67	11.18	12.53	0.005103	4.56	51.78	18.12	0.86
tratto 3	207 SM_S8	Q50	168.00	7.69	10.47	11.73	1.26	12.52	2.05	10.37	11.48	0.006344	4.46	37.71	16.38	0.94
tratto 3	207 SM_S8	Q200	209.00	7.69	11.14	11.73	0.59	12.52	1.39	10.73	12.07	0.004611	4.27	48.90	17.21	0.81
tratto 3	207 SM_S8	Q500	236.00	7.69	11.16	11.73	0.56	12.52	1.36	10.96	12.33	0.005719	4.78	49.38	17.25	0.90
tratto 3	206 SM_S7	Q50	168.00	7.46	10.21	11.53	1.32	12.45	2.24	10.21	11.29	0.007145	4.61	36.46	16.87	1.00
tratto 3	206 SM_S7	Q200	209.00	7.46	11.11	11.53	0.42	12.45	1.34	10.57	11.92	0.003890	3.99	52.35	18.29	0.75
tratto 3	206 SM_S7	Q500	236.00	7.46	11.12	11.53	0.40	12.45	1.33	10.79	12.15	0.004889	4.49	52.61	18.31	0.84
tratto 3	205 SM_S6	Q50	168.00	7.16	10.37	11.84	1.48	12.29	1.92	9.47	10.79	0.002201	2.88	58.28	21.80	0.56
tratto 3	205 SM_S6	Q200	209.00	7.16	11.30	11.84	0.54	12.29	0.99	9.77	11.66	0.001370	2.64	79.13	22.74	0.45
tratto 3	205 SM_S6	Q500	236.00	7.16	11.38	11.84	0.46	12.29	0.91	9.96	11.82	0.001632	2.91	80.98	22.83	0.49
tratto 3	204.6 SM_S5	Q50	168.00	7.16	10.10	11.84	1.75	12.29	2.19	9.47	10.64	0.002626	3.28	51.30	21.53	0.65
tratto 3	204.6 SM_S5	Q200	209.00	7.16	11.15	11.84	0.69	12.29	1.14	9.77	11.58	0.001278	2.88	72.59	22.60	0.48
tratto 3	204.6 SM_S5	Q500	236.00	7.16	11.19	11.84	0.65	12.29	1.10	9.96	11.72	0.001580	3.22	73.26	22.63	0.54
tratto 3	204.5 SM_S5		Bridge													

HEC-RAS Plan: Santa Maria (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
tratto 3	204.4 SM_S5	Q50	168.00	7.16	10.07	11.84	1.77	12.29	2.22	9.47	10.63	0.002711	3.31	50.81	21.51	0.66
tratto 3	204.4 SM_S5	Q200	209.00	7.16	11.15	11.84	0.70	12.29	1.14	9.77	11.57	0.001288	2.89	72.41	22.59	0.49
tratto 3	204.4 SM_S5	Q500	236.00	7.16	11.18	11.84	0.66	12.29	1.11	9.96	11.71	0.001596	3.23	73.04	22.62	0.54
tratto 3	204 SM_S4	Q50	168.00	6.98	10.11	11.26	1.15	15.63	5.52	9.21	10.50	0.002022	2.77	60.69	23.81	0.55
tratto 3	204 SM_S4	Q200	209.00	6.98	11.20	11.26	0.06	15.63	4.43	9.50	11.49	0.001063	2.38	87.69	25.66	0.41
tratto 3	204 SM_S4	Q500	236.00	6.98	11.25	11.26	0.01	15.63	4.38	9.69	11.61	0.001301	2.65	88.93	25.74	0.46
tratto 3	203 SM_S3	Q50	168.00	6.84	10.28	11.79	1.51	16.01	5.73	8.54	10.37	0.000457	1.40	120.37	47.26	0.47
tratto 3	203 SM_S3	Q200	209.00	6.84	11.33	11.79	0.46	16.01	4.67	8.76	11.40	0.000248	1.20	173.57	53.51	0.38
tratto 3	203 SM_S3	Q500	236.00	6.84	11.41	11.79	0.37	16.01	4.59	8.89	11.50	0.000295	1.33	177.98	54.00	0.41
tratto 4	202 SM_S2	Q50	179.00	6.68	10.09	11.97	1.88	15.77	5.68	8.67	10.37	0.001629	2.36	75.83	24.91	0.43
tratto 4	202 SM_S2	Q200	222.00	6.68	11.17	11.97	0.80	15.77	4.60	8.97	11.40	0.001056	2.14	103.60	26.53	0.35
tratto 4	202 SM_S2	Q500	250.00	6.68	11.21	11.97	0.76	15.77	4.55	9.15	11.50	0.001302	2.39	104.70	26.59	0.38
tratto 4	201.6 SM_S1	Q50	179.00	6.32	10.04	11.97	1.93	11.79	1.74	8.42	10.30	0.001371	2.24	79.74	23.21	0.39
tratto 4	201.6 SM_S1	Q200	222.00	6.32	11.13	11.97	0.84	11.79	0.66	8.70	11.36	0.000982	2.11	105.01	23.32	0.32
tratto 4	201.6 SM_S1	Q500	250.00	6.32	11.16	11.97	0.81	11.79	0.63	8.88	11.45	0.001223	2.37	105.70	23.37	0.35
tratto 4	201.5 SM_S1		Bridge													
tratto 4	201.4 SM_S1	Q50	179.00	6.32	10.01	11.97	1.96	11.79	1.78	8.42	10.27	0.001412	2.27	78.92	23.21	0.39
tratto 4	201.4 SM_S1	Q200	222.00	6.32	11.09	11.97	0.88	11.79	0.69	8.70	11.33	0.001002	2.13	104.19	23.29	0.32
tratto 4	201.4 SM_S1	Q500	250.00	6.32	11.11	11.97	0.86	11.79	0.67	8.88	11.40	0.001257	2.39	104.61	23.30	0.36
tratto 4	201 SM_S1	Q50	179.00	6.32	10.01	11.97	1.97	11.79	1.78	8.42	10.27	0.001414	2.27	78.88	23.21	0.39
tratto 4	201 SM_S1	Q200	222.00	6.32	11.09	11.97	0.88	11.79	0.69	8.70	11.33	0.001003	2.13	104.16	23.29	0.32
tratto 4	201 SM_S1	Q500	250.00	6.32	11.11	11.97	0.86	11.79	0.68	8.88	11.40	0.001258	2.39	104.58	23.30	0.36