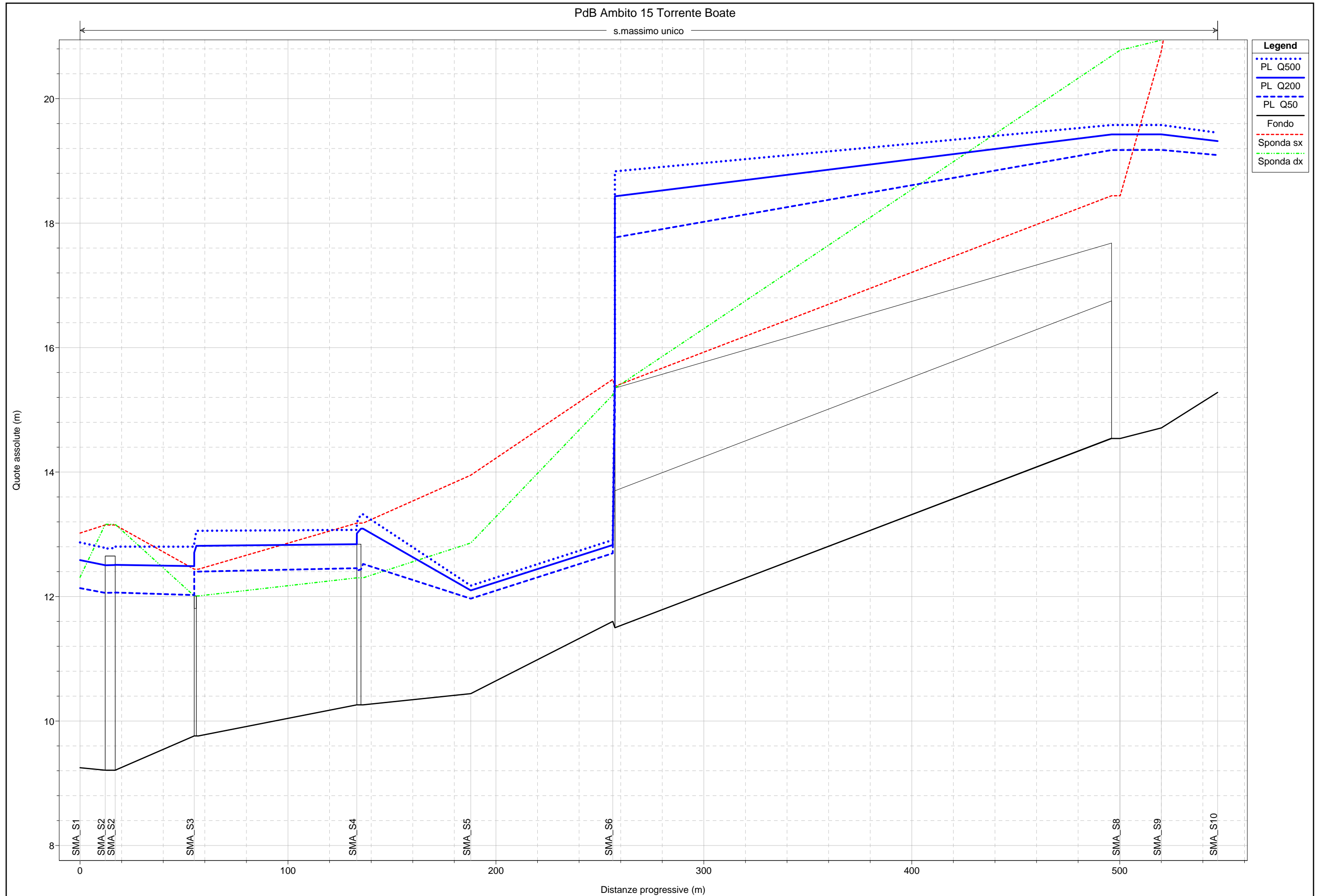


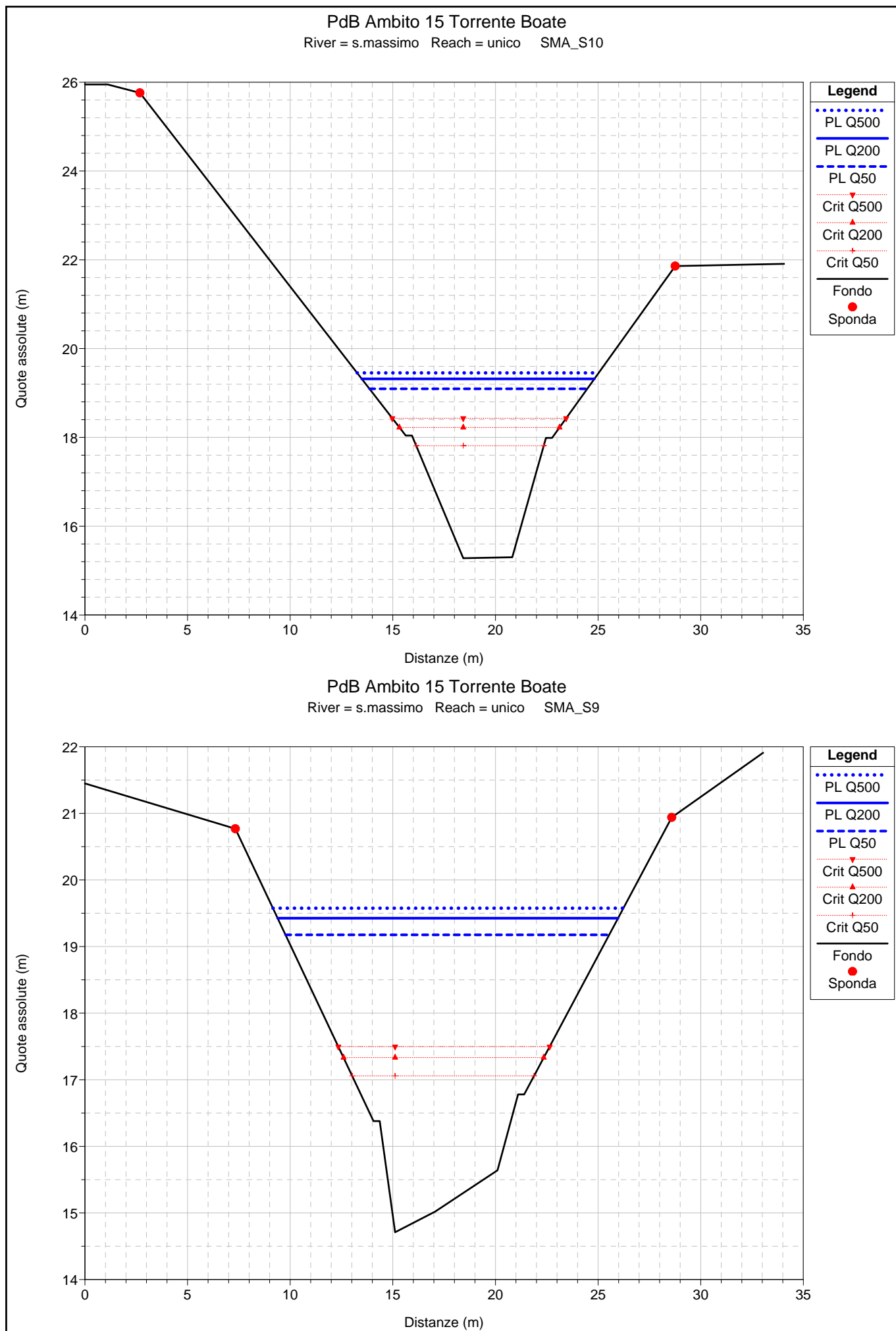
# **Rio San Massimo**

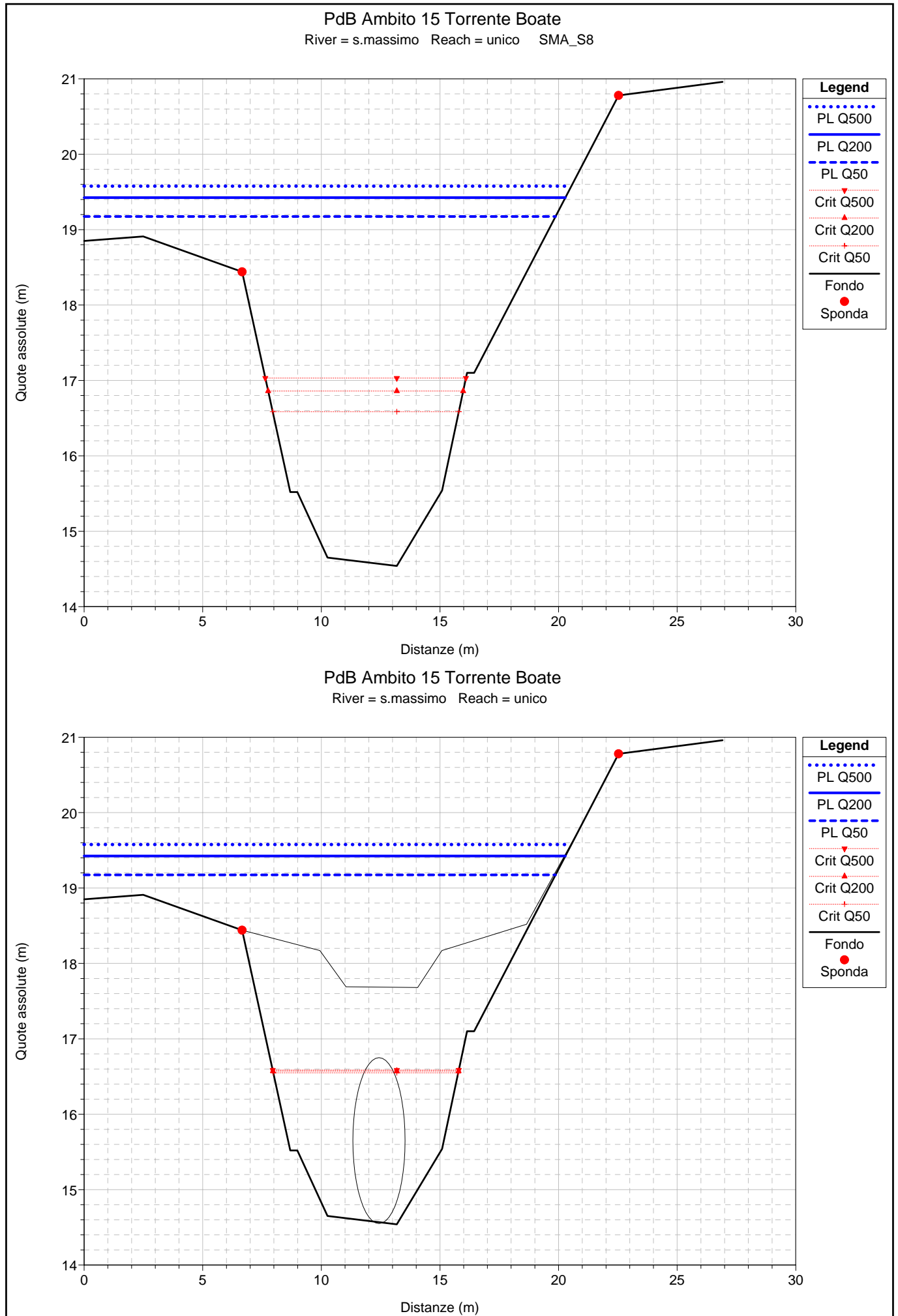
## **Rapallo**

dalla sezione SMA-S10 alla SMA-S1

- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

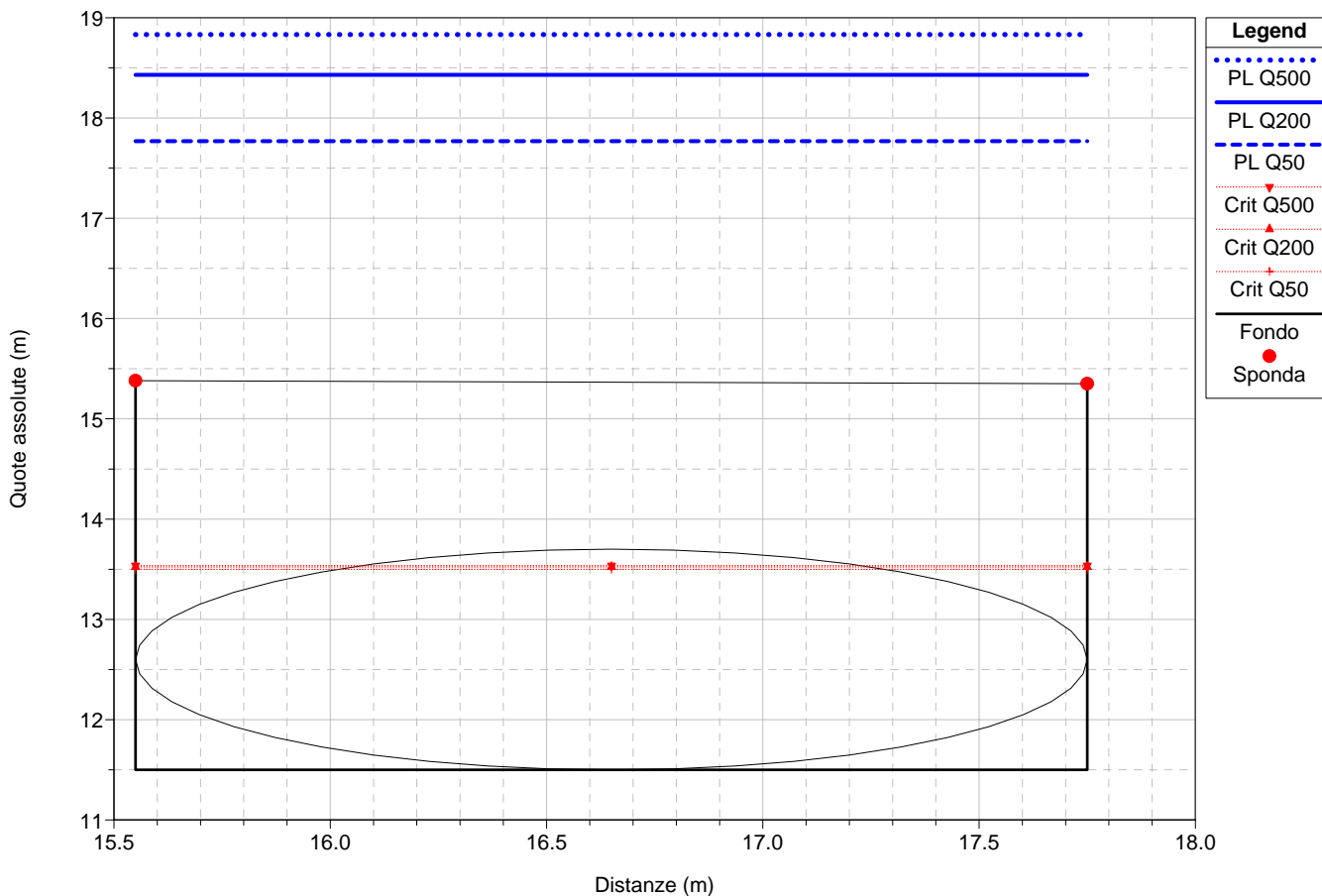






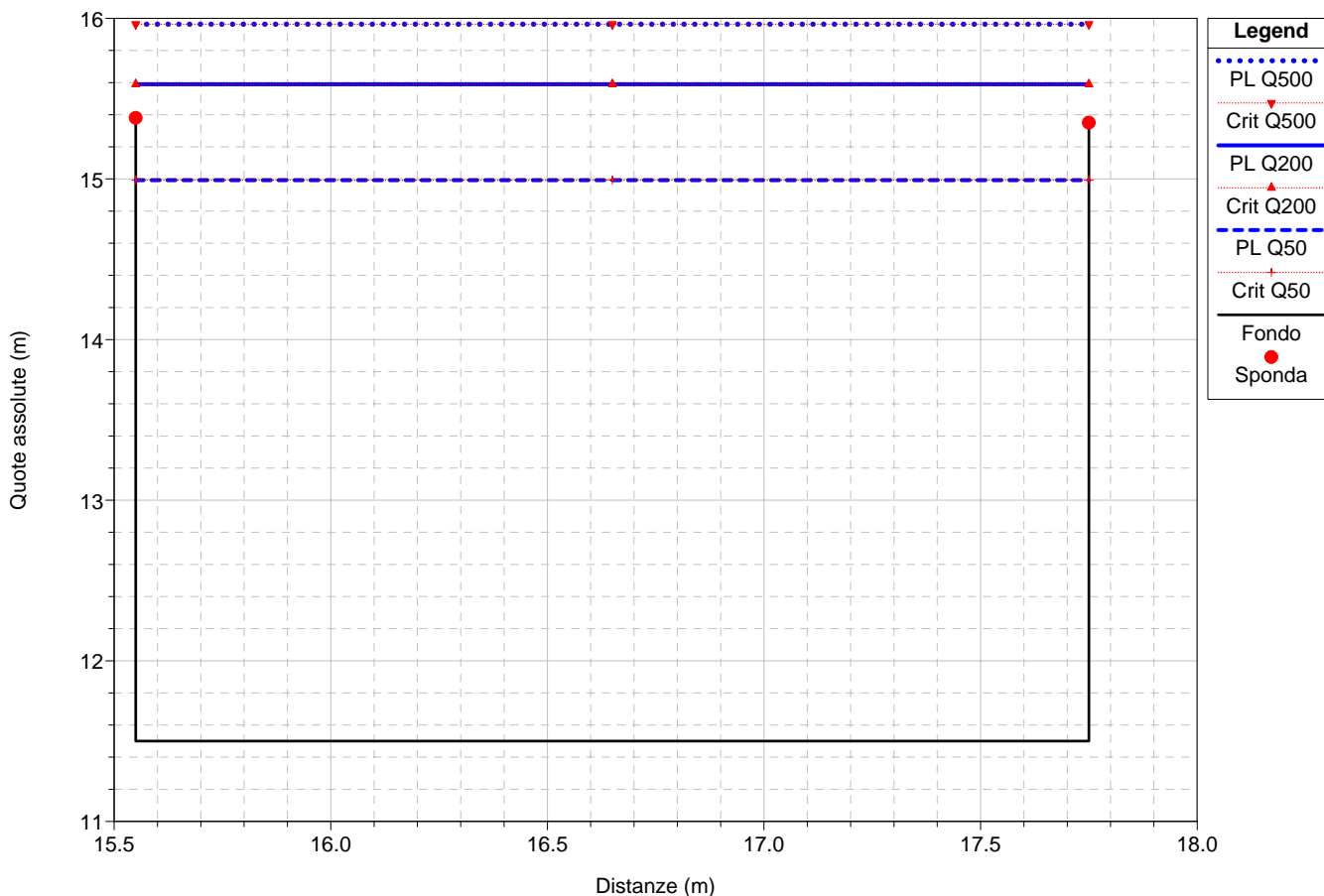
PdB Ambito 15 Torrente Boate

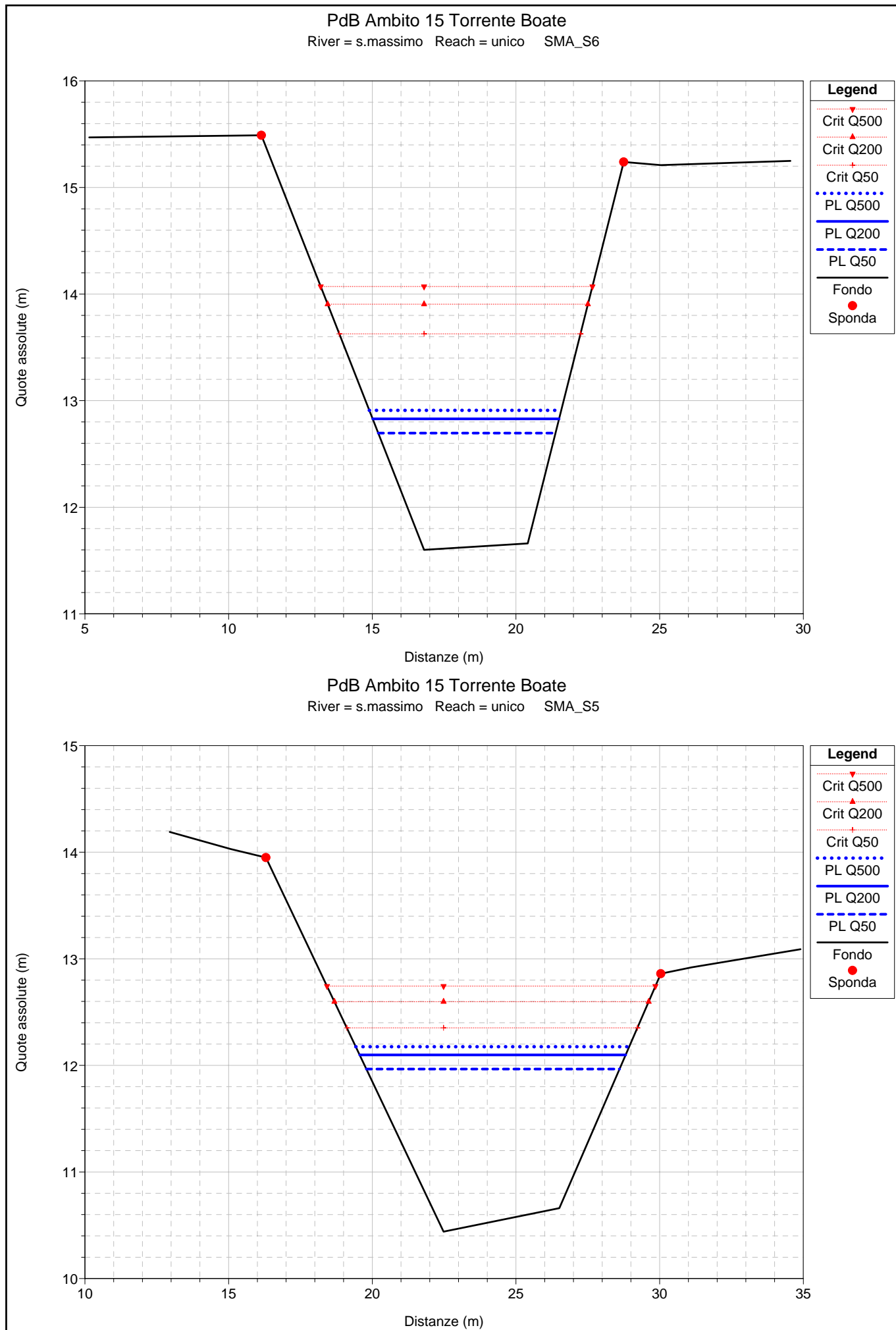
River = s.massimo Reach = unico



PdB Ambito 15 Torrente Boate

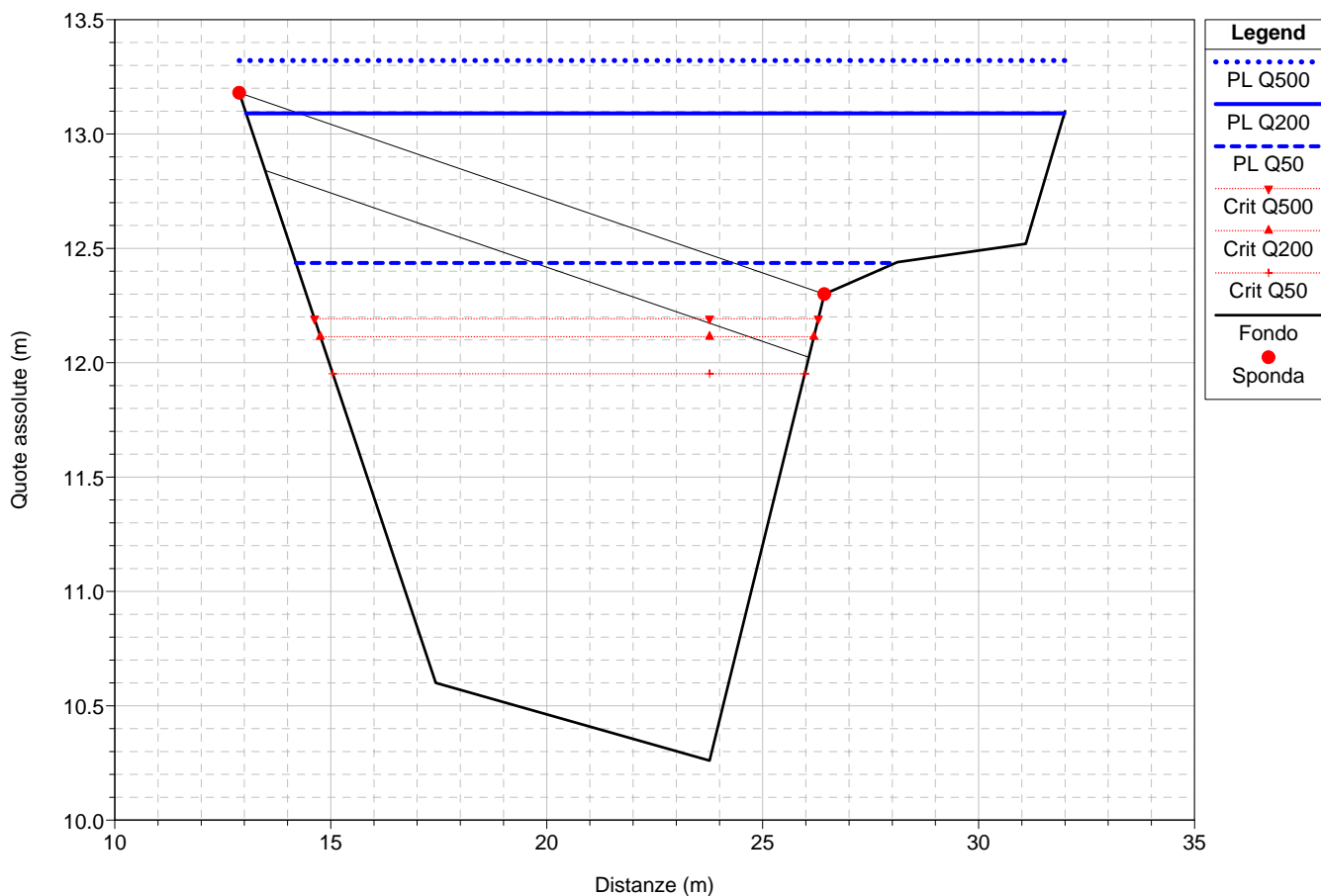
River = s.massimo Reach = unico SMA\_S7





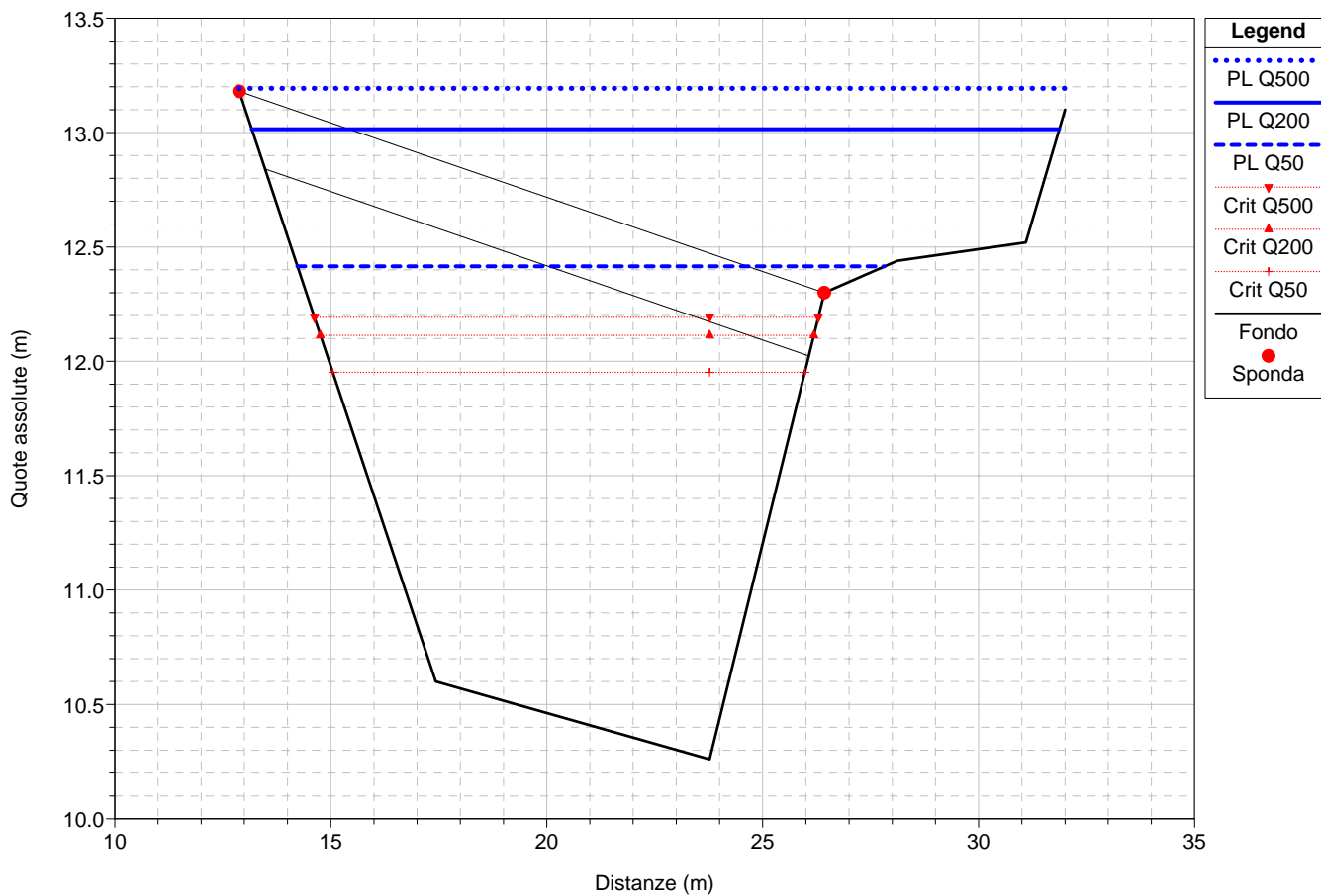
PdB Ambito 15 Torrente Boate

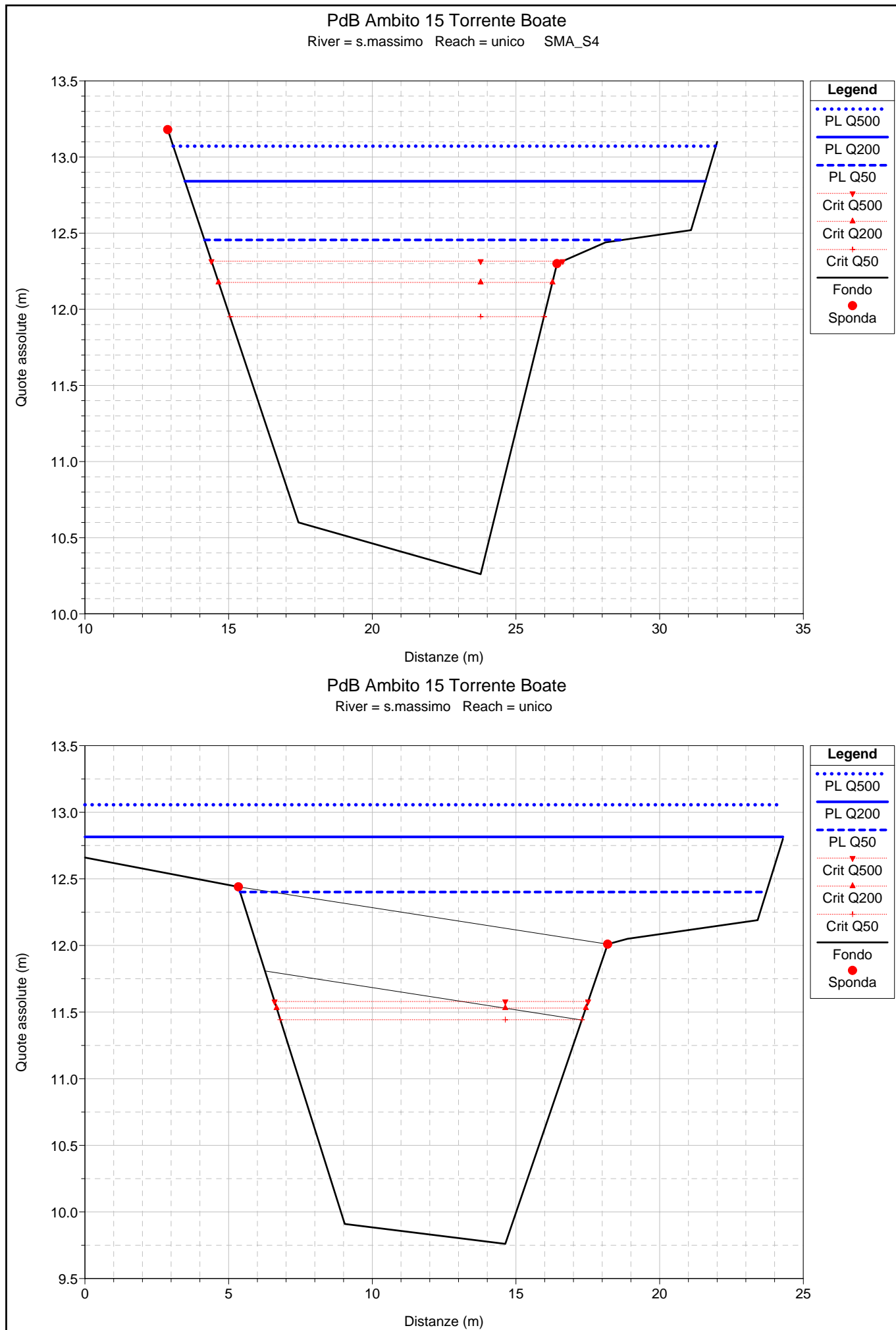
River = s.massimo Reach = unico



PdB Ambito 15 Torrente Boate

River = s.massimo Reach = unico

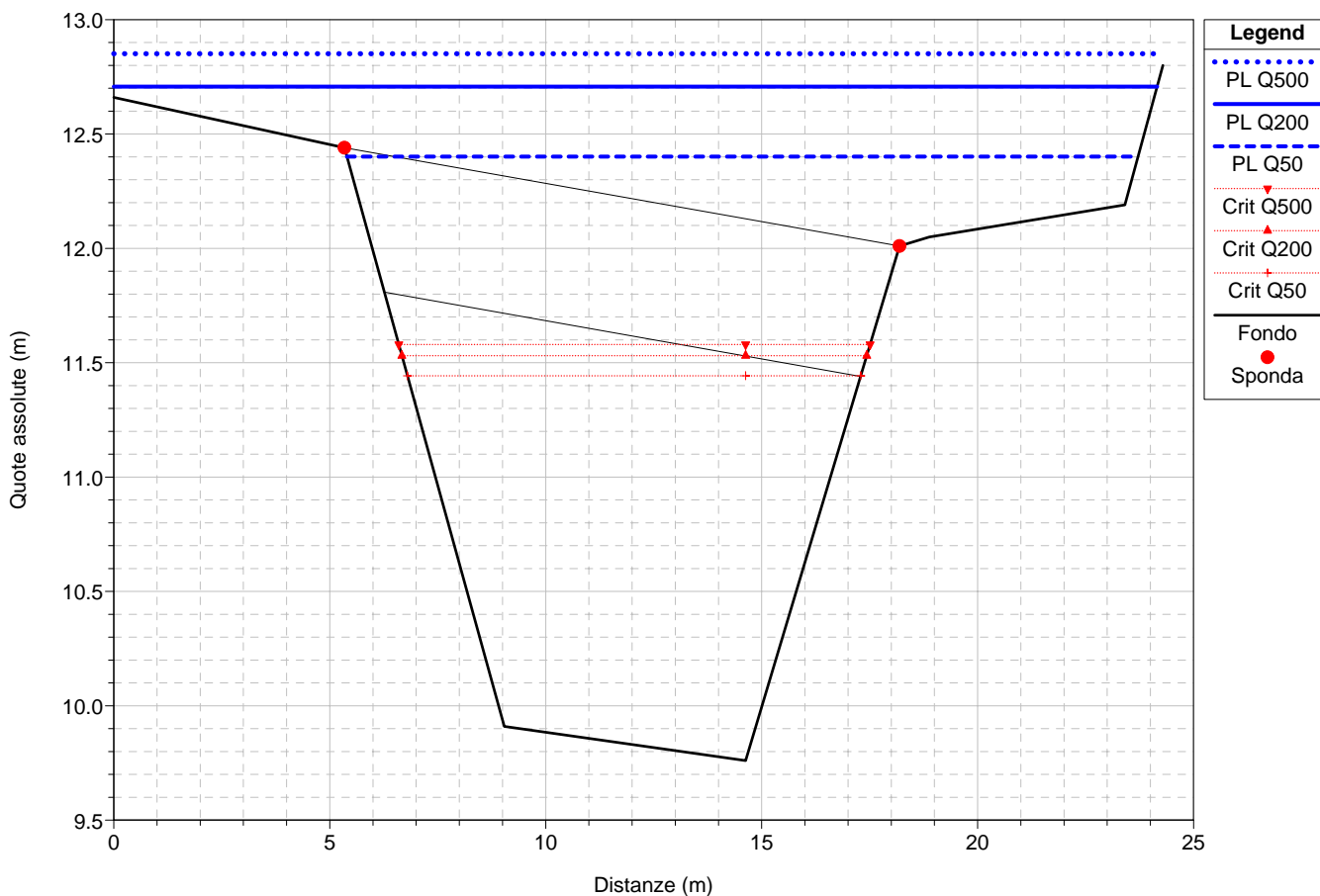






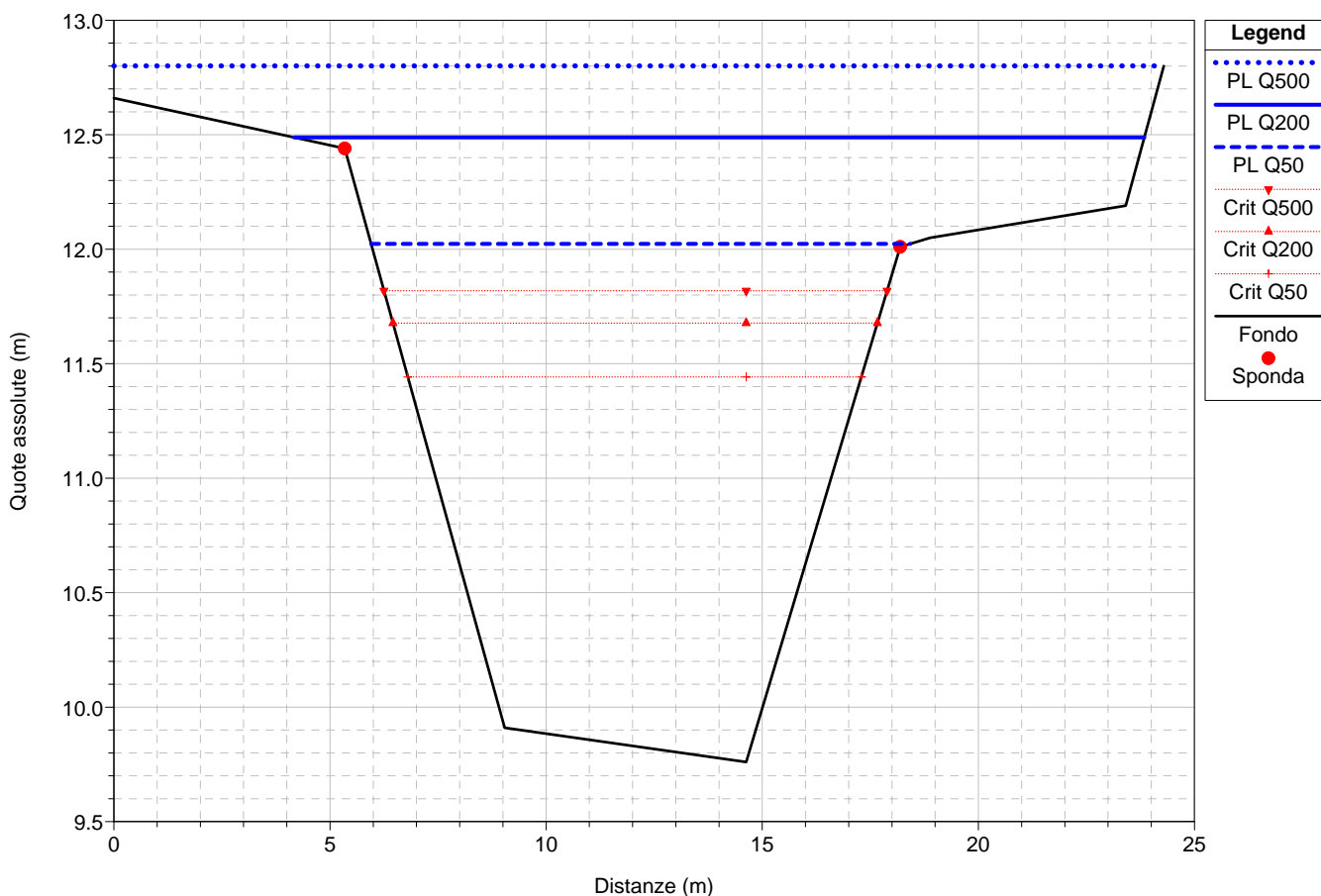
PdB Ambito 15 Torrente Boate

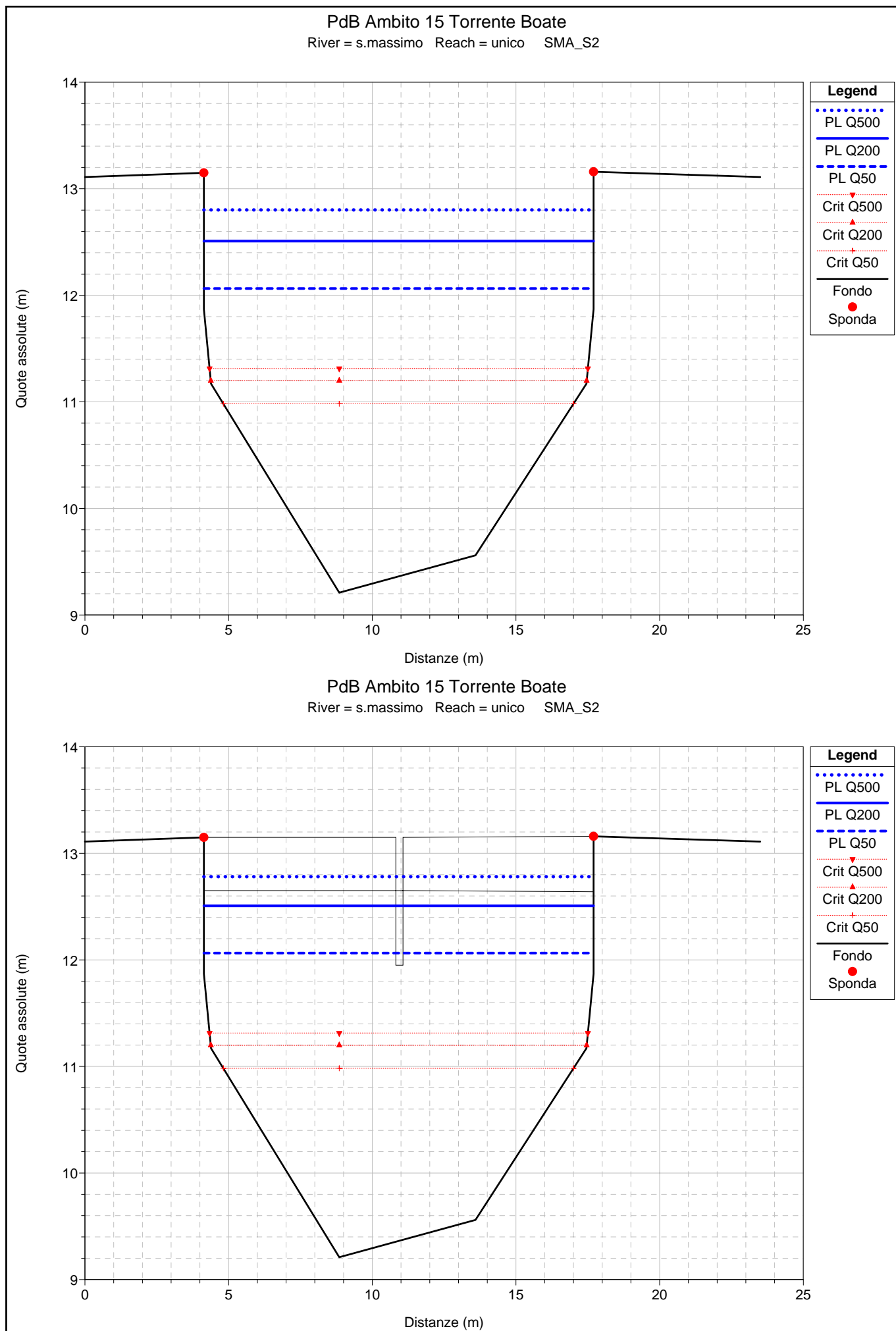
River = s.massimo Reach = unico

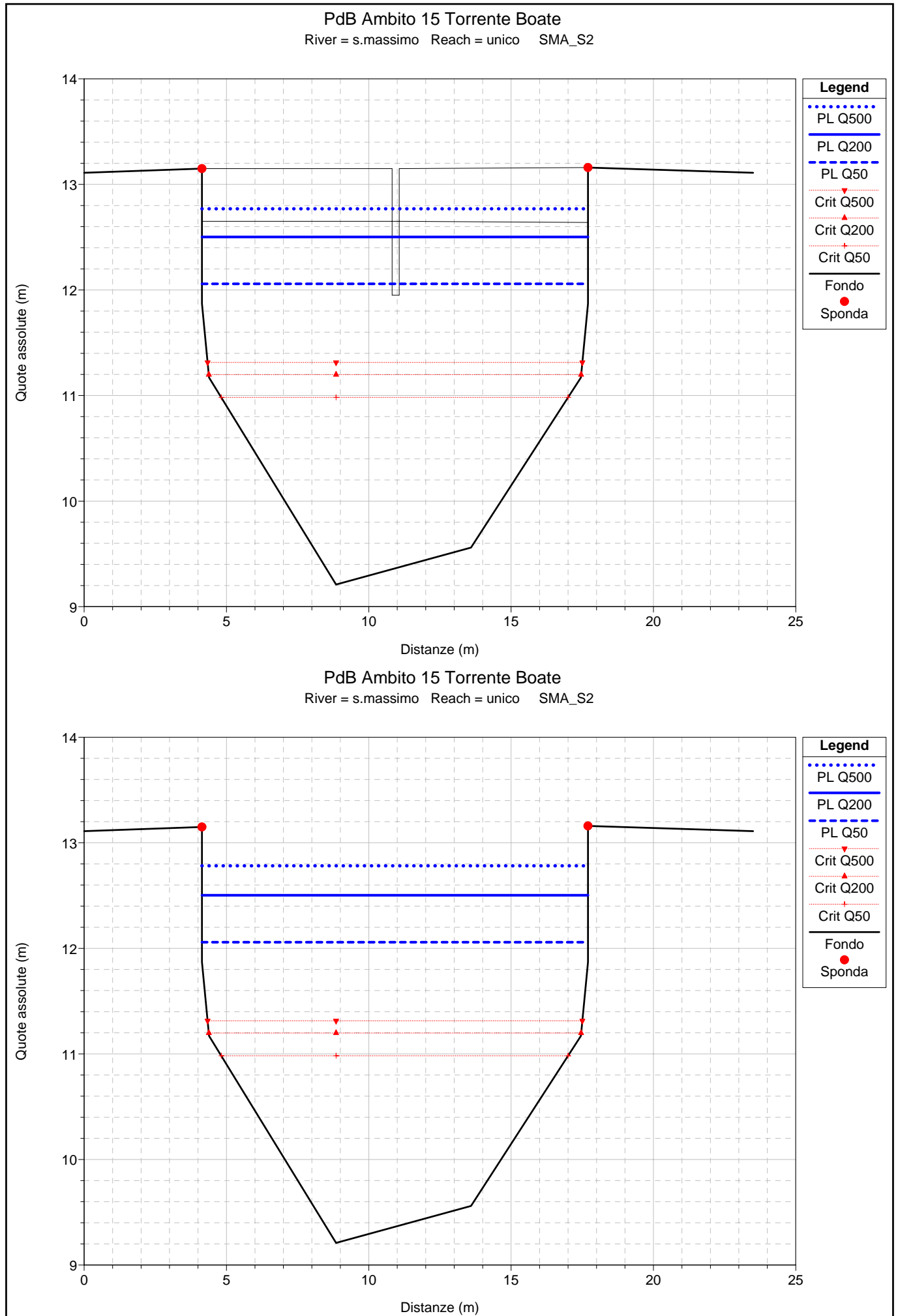


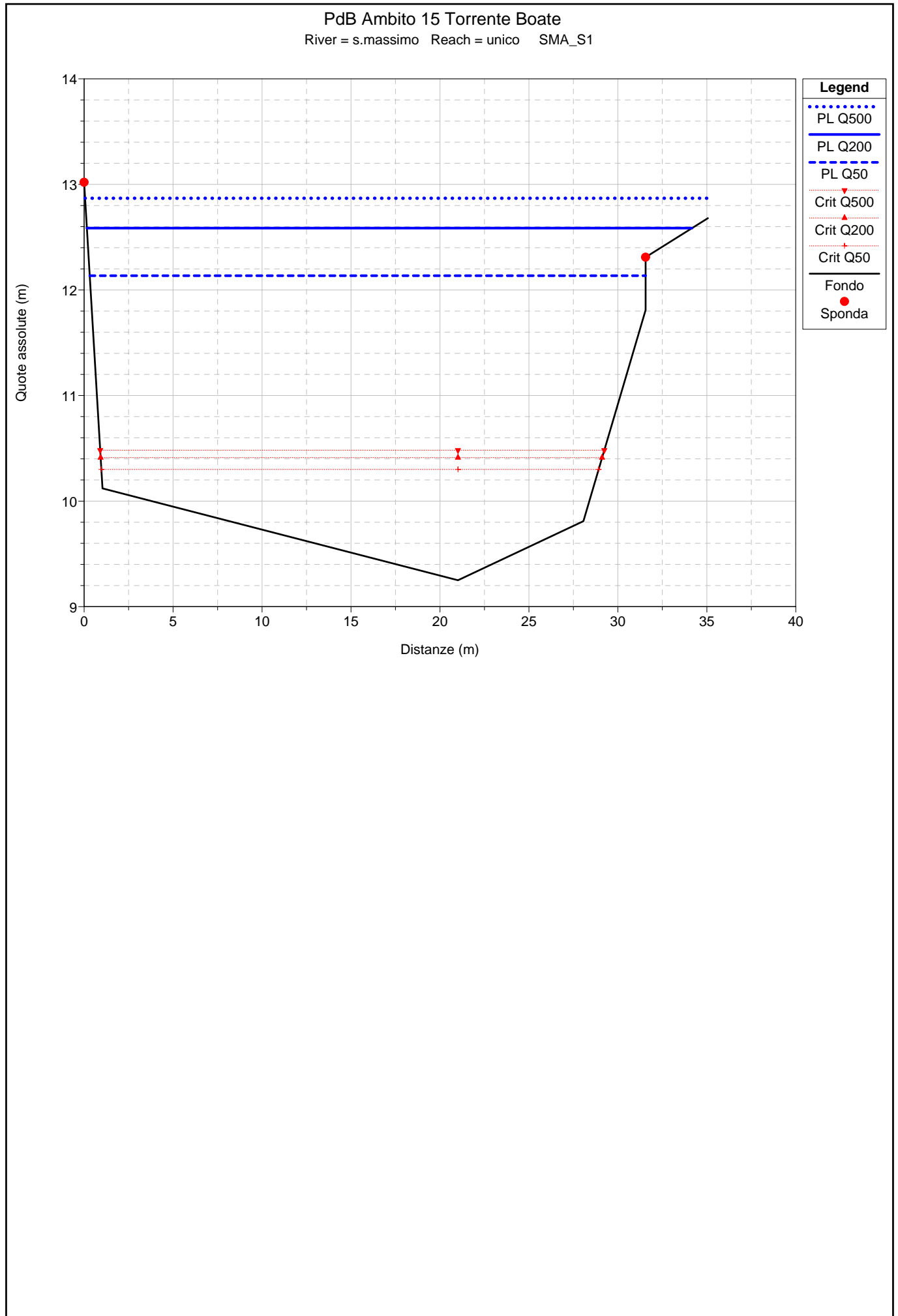
PdB Ambito 15 Torrente Boate

River = s.massimo Reach = unico SMA\_S3









HEC-RAS Plan: AFF River: s.massimo Reach: unico

Reach	River Sta		Profile	Q Total	Min Ch El	W.S. Elev	LOB Elev	L. Freeboard	ROB Elev	R. Freeboard	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
unico	1400	SMA_S10	Q50	45.00	15.28	19.09	25.76	6.67	21.86	2.77	17.81	19.31	0.001868	2.07	21.72	10.61	0.46
unico	1400	SMA_S10	Q200	57.00	15.28	19.32	25.76	6.44	21.86	2.54	18.22	19.60	0.002267	2.36	24.18	11.33	0.52
unico	1400	SMA_S10	Q500	65.00	15.28	19.45	25.76	6.31	21.86	2.41	18.43	19.78	0.002507	2.53	25.73	11.77	0.55
unico	1300	SMA_S9	Q50	45.00	14.71	19.18	20.77	1.59	20.94	1.76	17.06	19.25	0.000422	1.17	38.31	15.77	0.24
unico	1300	SMA_S9	Q200	57.00	14.71	19.43	20.77	1.34	20.94	1.51	17.33	19.52	0.000518	1.35	42.35	16.58	0.27
unico	1300	SMA_S9	Q500	65.00	14.71	19.58	20.77	1.19	20.94	1.36	17.50	19.68	0.000577	1.45	44.88	17.07	0.29
unico	1200	SMA_S8	Q50	45.00	14.54	19.17	18.44	-0.73	20.78	1.61	16.59	19.24	0.000316	1.12	42.02	19.87	0.21
unico	1200	SMA_S8	Q200	57.00	14.54	19.43	18.44	-0.98	20.78	1.35	16.86	19.51	0.000386	1.29	47.04	20.29	0.23
unico	1200	SMA_S8	Q500	65.00	14.54	19.58	18.44	-1.14	20.78	1.20	17.03	19.67	0.000428	1.38	50.13	20.54	0.25
unico	1150			Culvert													
unico	1100	SMA_S7	Q50	45.00	11.50	14.99	15.38	0.39	15.35	0.36	14.99	16.74	0.034124	5.86	7.68	2.20	1.00
unico	1100	SMA_S7	Q200	57.00	11.50	15.59	15.38	-0.21	15.35	-0.24	15.59	17.63	0.038066	6.33	9.00	2.20	1.00
unico	1100	SMA_S7	Q500	65.00	11.50	15.96	15.38	-0.58	15.35	-0.61	15.96	18.20	0.040575	6.62	9.82	2.20	1.00
unico	1000	SMA_S6	Q50	45.00	11.60	12.70	15.49	2.79	15.24	2.54	13.63	16.48	0.085617	8.62	5.22	6.17	2.99
unico	1000	SMA_S6	Q200	57.00	11.60	12.83	15.49	2.66	15.24	2.41	13.90	17.33	0.090056	9.40	6.06	6.49	3.10
unico	1000	SMA_S6	Q500	65.00	11.60	12.91	15.49	2.58	15.24	2.33	14.07	17.86	0.092686	9.86	6.59	6.68	3.17
unico	900	SMA_S5	Q50	45.00	10.44	11.97	13.95	1.98	12.86	0.89	12.35	13.21	0.020393	4.93	9.12	8.81	1.55
unico	900	SMA_S5	Q200	57.00	10.44	12.10	13.95	1.85	12.86	0.76	12.60	13.65	0.023287	5.52	10.32	9.26	1.67
unico	900	SMA_S5	Q500	65.00	10.44	12.18	13.95	1.77	12.86	0.68	12.74	13.94	0.025110	5.89	11.04	9.52	1.74
unico	802		Q50	45.00	10.26	12.52	13.18	0.66	12.30	-0.22	11.95	12.78	0.002422	2.26	20.23	17.06	0.57
unico	802		Q200	57.00	10.26	13.09	13.18	0.09	12.30	-0.79	12.18	13.28	0.001374	1.99	30.44	18.95	0.45
unico	802		Q500	65.00	10.26	13.32	13.18	-0.14	12.30	-1.02	12.32	13.51	0.001224	1.99	34.85	19.12	0.42
unico	801			Bridge													
unico	800	SMA_S4	Q50	45.00	10.26	12.46	13.18	0.72	12.30	-0.16	11.95	12.74	0.002771	2.37	19.15	14.53	0.61
unico	800	SMA_S4	Q200	57.00	10.26	12.84	13.18	0.34	12.30	-0.54	12.18	13.11	0.002117	2.32	25.82	18.12	0.55
unico	800	SMA_S4	Q500	65.00	10.26	13.07	13.18	0.11	12.30	-0.77	12.32	13.33	0.001845	2.29	30.08	18.88	0.52
unico	702		Q50	45.00	9.76	12.40	12.44	0.04	12.01	-0.39	11.44	12.57	0.001270	1.82	25.84	18.32	0.42
unico	702		Q200	57.00	9.76	12.82	12.44	-0.38	12.01	-0.81	11.68	12.97	0.000957	1.80	34.99	24.29	0.38
unico	702		Q500	65.00	9.76	13.06	12.44	-0.62	12.01	-1.05	11.82	13.21	0.000829	1.79	40.84	24.29	0.36
unico	701			Bridge													
unico	700	SMA_S3	Q50	45.00	9.76	12.02	12.44	0.42	12.01	-0.01	11.44	12.29	0.002545	2.30	19.56	12.48	0.58
unico	700	SMA_S3	Q200	57.00	9.76	12.49	12.44	-0.05	12.01	-0.48	11.68	12.73	0.001736	2.18	27.48	19.67	0.50
unico	700	SMA_S3	Q500	65.00	9.76	12.80	12.44	-0.36	12.01	-0.79	11.82	13.01	0.001276	2.06	34.64	24.29	0.44
unico	600	SMA_S2	Q50	45.00	9.21	12.06	13.15	1.09	13.16	1.10	10.98	12.20	0.000947	1.61	27.89	13.56	0.36
unico	600	SMA_S2	Q200	57.00	9.21	12.51	13.15	0.64	13.16	0.65	11.20	12.65	0.000852	1.68	33.92	13.56	0.34
unico	600	SMA_S2	Q500	65.00	9.21	12.80	13.15	0.35	13.16	0.36	11.31	12.95	0.000802	1.72	37.89	13.56	0.33
unico	550	SMA_S2		Bridge													
unico	500	SMA_S2	Q50	45.00	9.21	12.06	13.15	1.09	13.16	1.10	10.98	12.19	0.000955	1.62	27.81	13.56	0.36

HEC-RAS Plan: AFF River: s.massimo Reach: unico (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
unico	500	SMA_S2	Q200	57.00	9.21	12.50	13.15	0.65	13.16	0.66	11.20	12.65	0.000858	1.68	33.84	13.56	0.34
unico	500	SMA_S2	Q500	65.00	9.21	12.78	13.15	0.37	13.16	0.38	11.31	12.93	0.000819	1.73	37.62	13.56	0.33
unico	400	SMA_S1	Q50	45.00	9.25	12.14	13.02	0.88	12.31	0.17	10.30	12.15	0.000107	0.62	72.68	31.25	0.13
unico	400	SMA_S1	Q200	57.00	9.25	12.59	13.02	0.43	12.31	-0.28	10.41	12.61	0.000098	0.66	87.17	34.02	0.13
unico	400	SMA_S1	Q500	65.00	9.25	12.87	13.02	0.15	12.31	-0.56	10.48	12.89	0.000092	0.68	97.02	35.01	0.12