

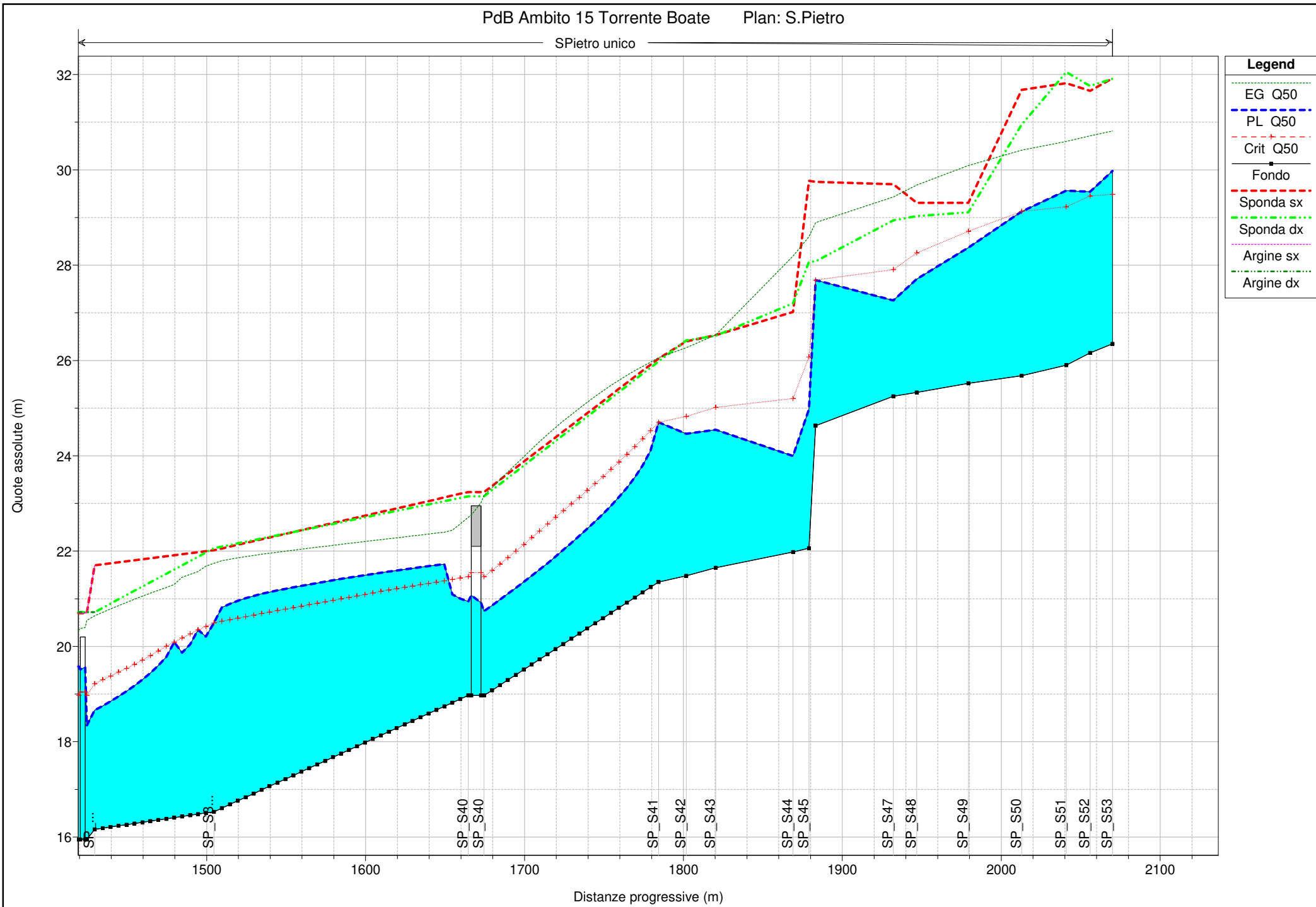
Torrente San Pietro

Rapallo

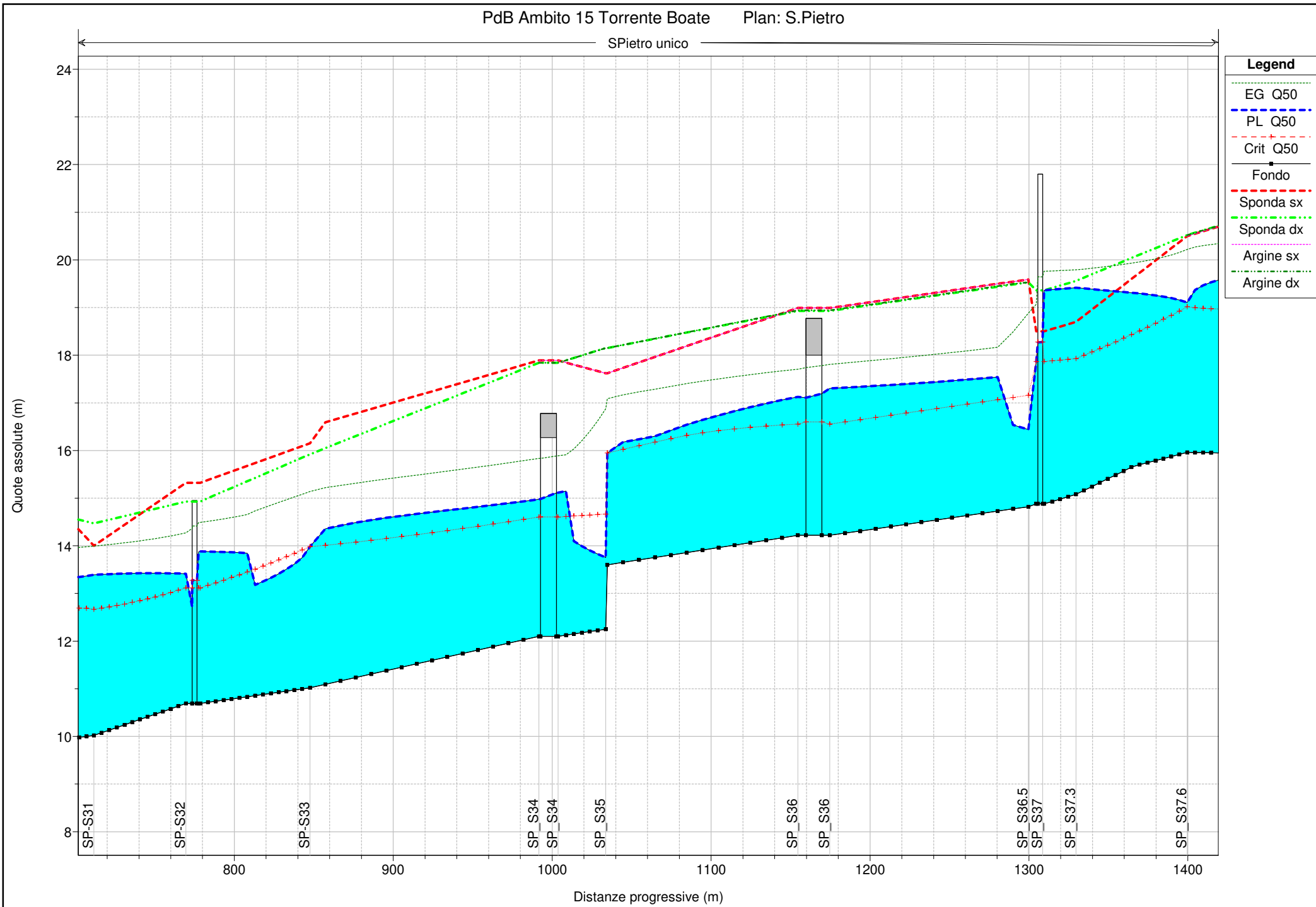
dalla sezione SP-S53 alla SP-S1

- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati

PdB Ambito 15 Torrente Boate Plan: S.Pietro

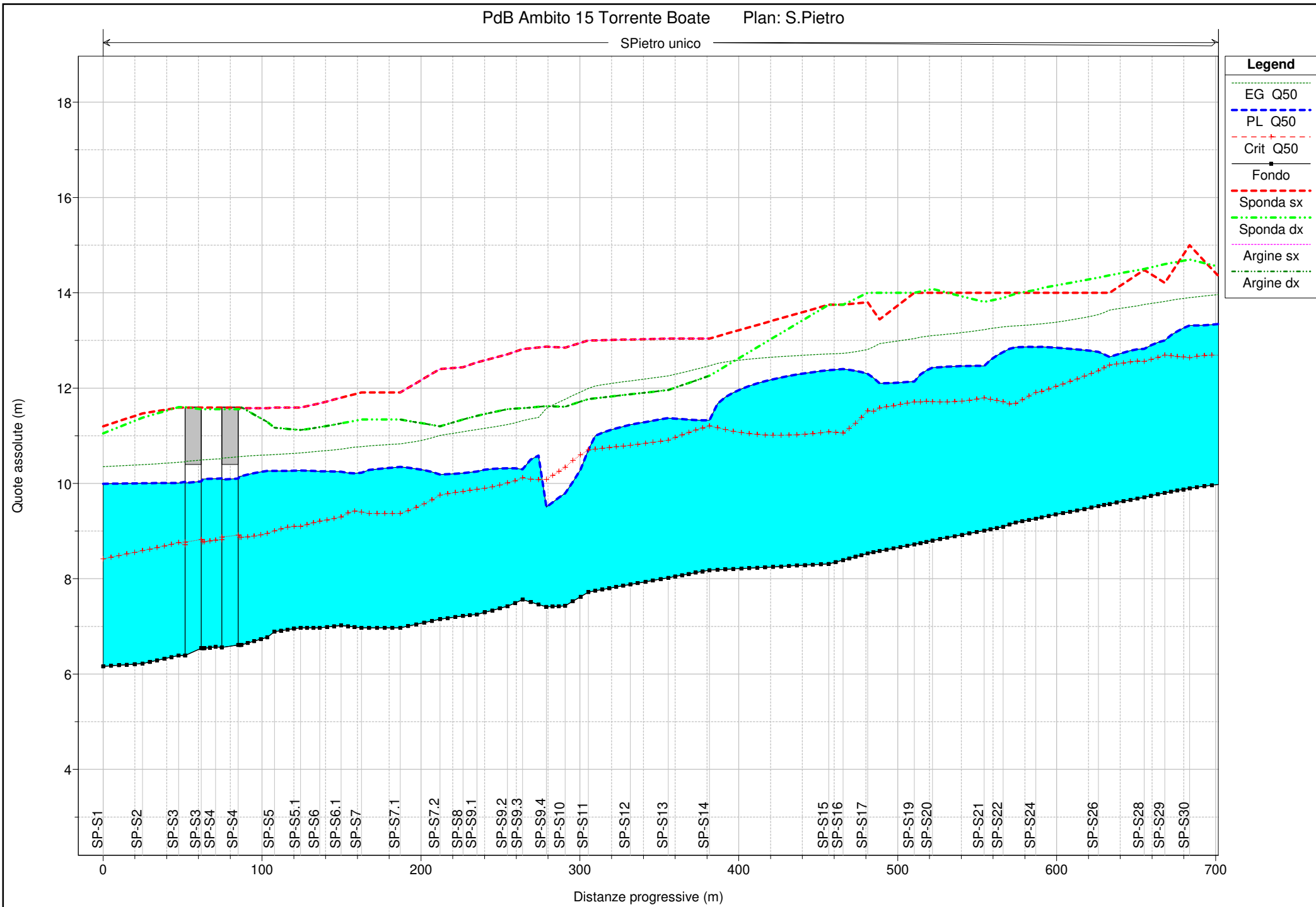


PdB Ambito 15 Torrente Boate Plan: S.Pietro



Legend	
EG Q50	(Green dashed line)
PL Q50	(Blue dashed line)
Crit Q50	(Red dashed line)
Fondo	(Black line with square markers)
Sponda sx	(Red dashed line)
Sponda dx	(Green dashed line)
Argine sx	(Magenta dashed line)
Argine dx	(Green dashed line)

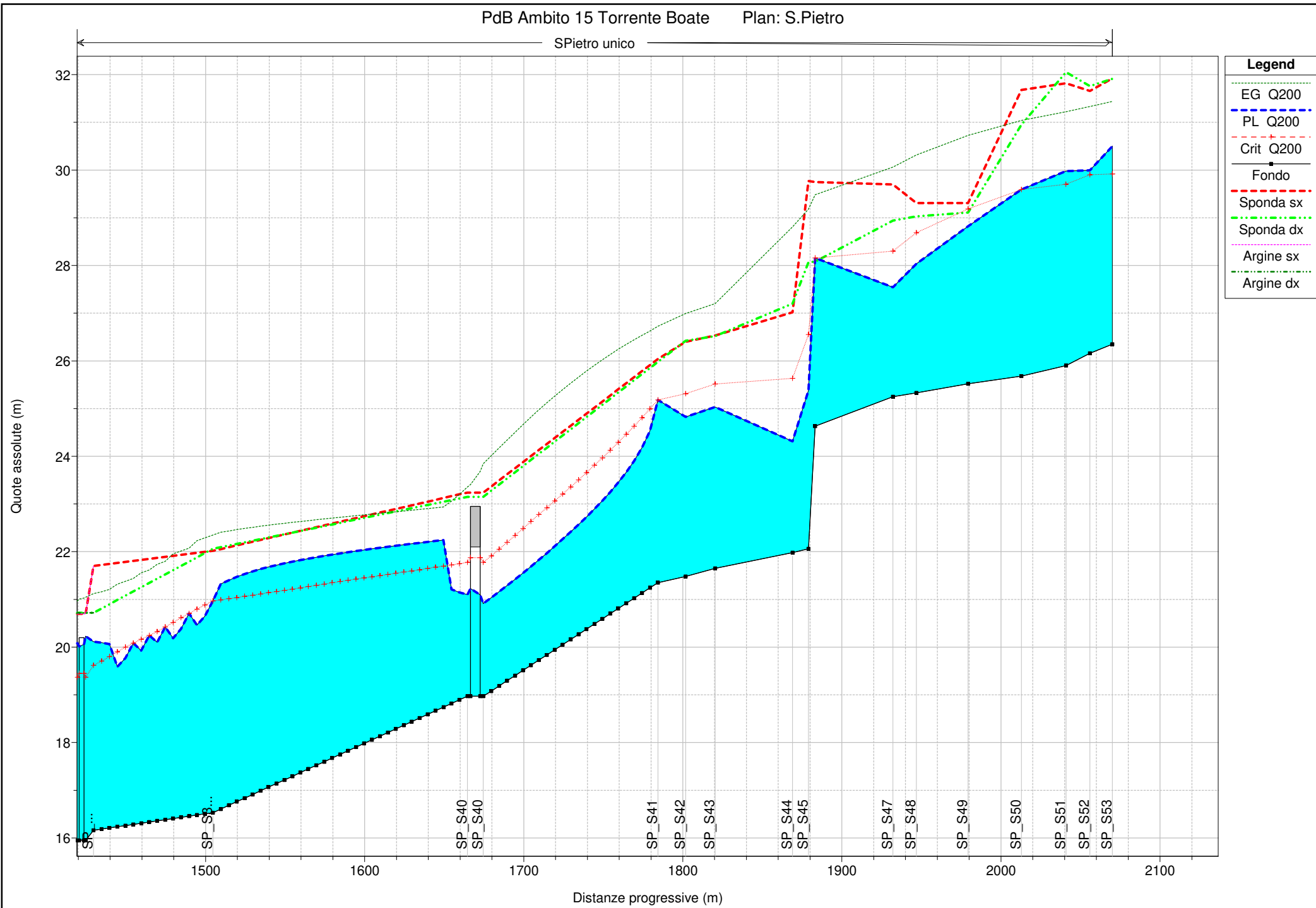
PdB Ambito 15 Torrente Boate Plan: S.Pietro



1 cm Horiz. = 30 m 1 cm Vert. = 1 m

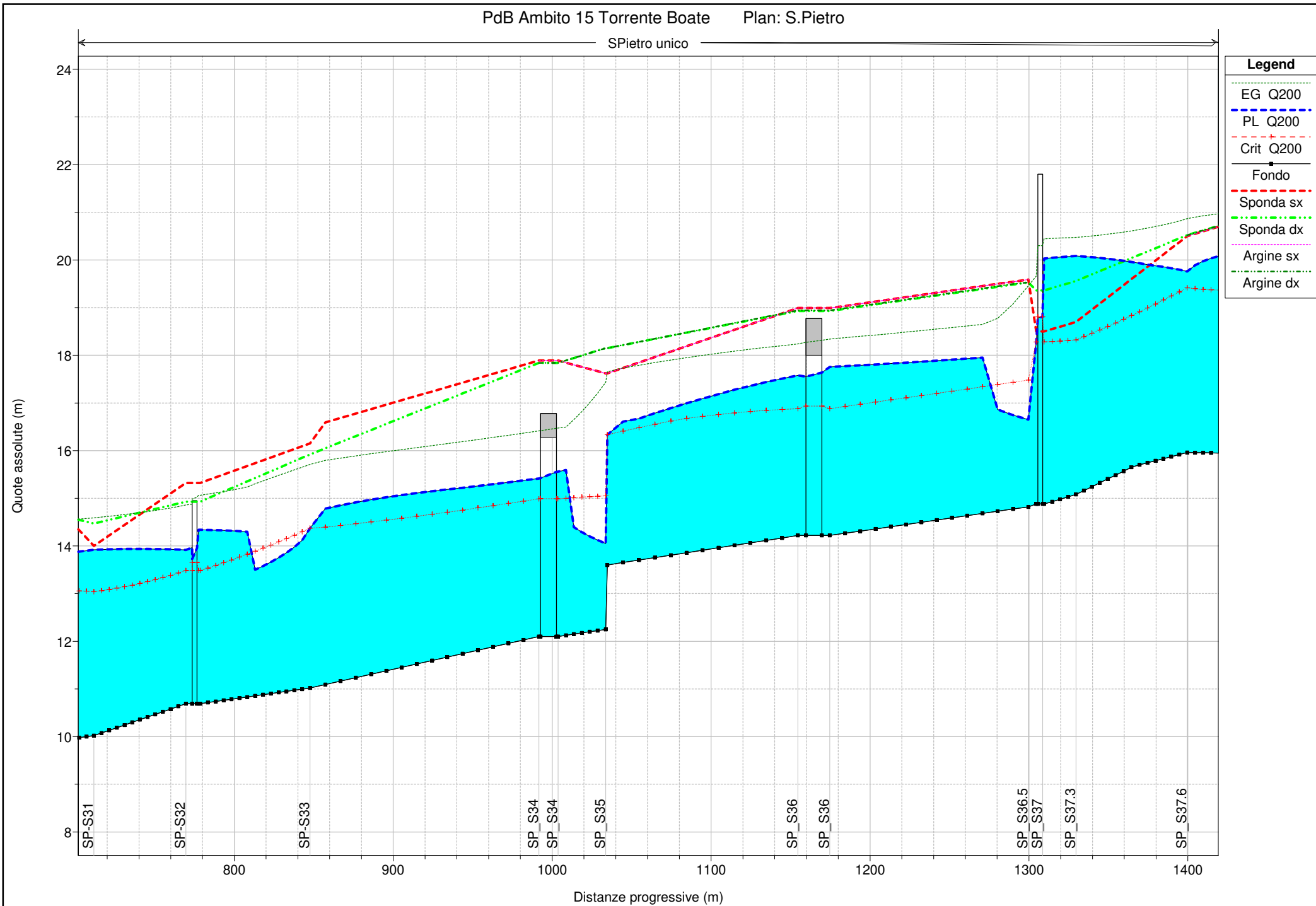
Ultima modifica con D.S.G. n. 38 del 08/06/2023

PdB Ambito 15 Torrente Boate Plan: S.Pietro

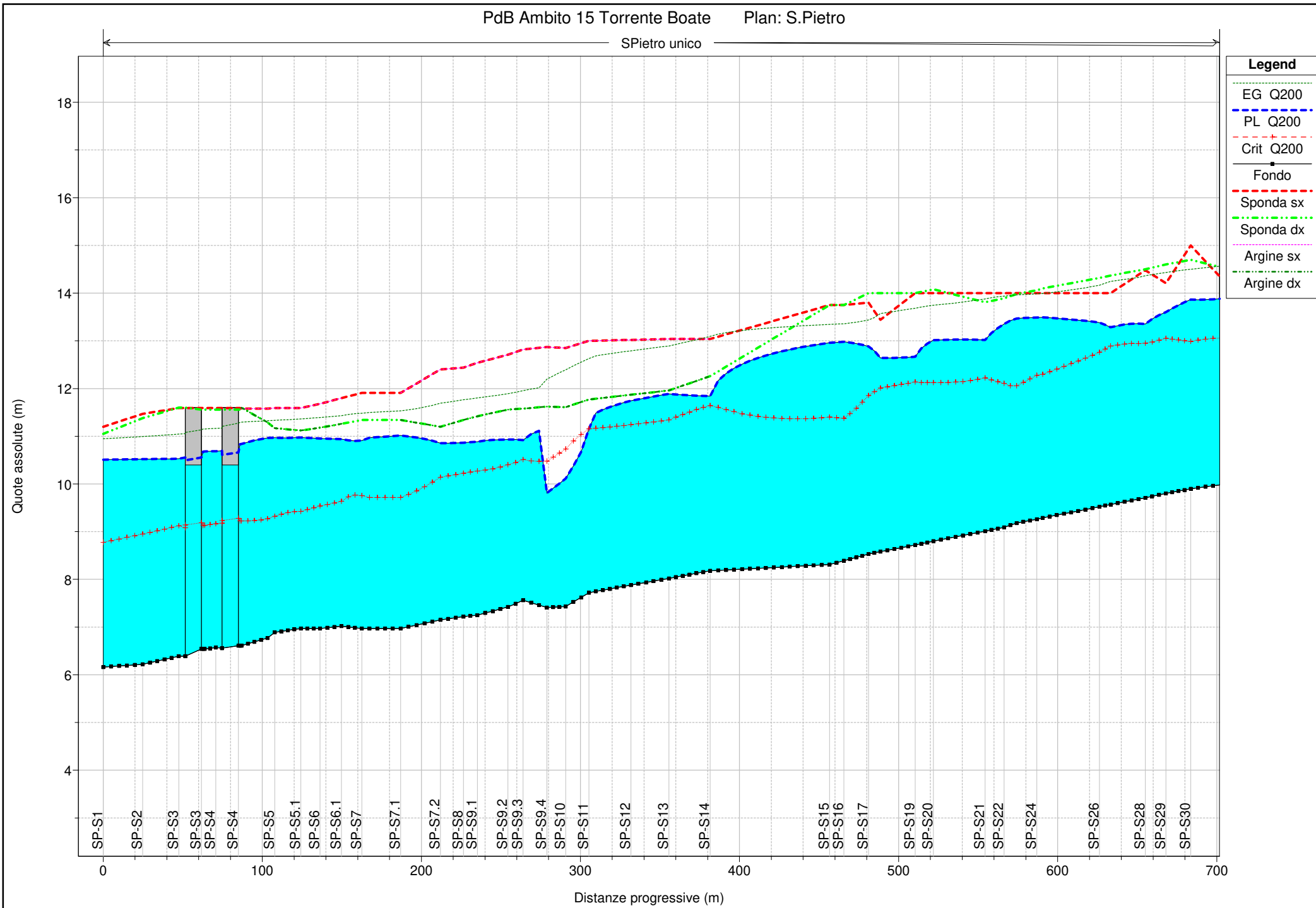


Legend	
EG Q200	Green dotted line
PL Q200	Blue dashed line
Crit Q200	Red dashed line
Fondo	Black line with square markers
Sponda sx	Red dashed line
Sponda dx	Green dashed line
Argine sx	Red dotted line with cross markers
Argine dx	Green dotted line with cross markers

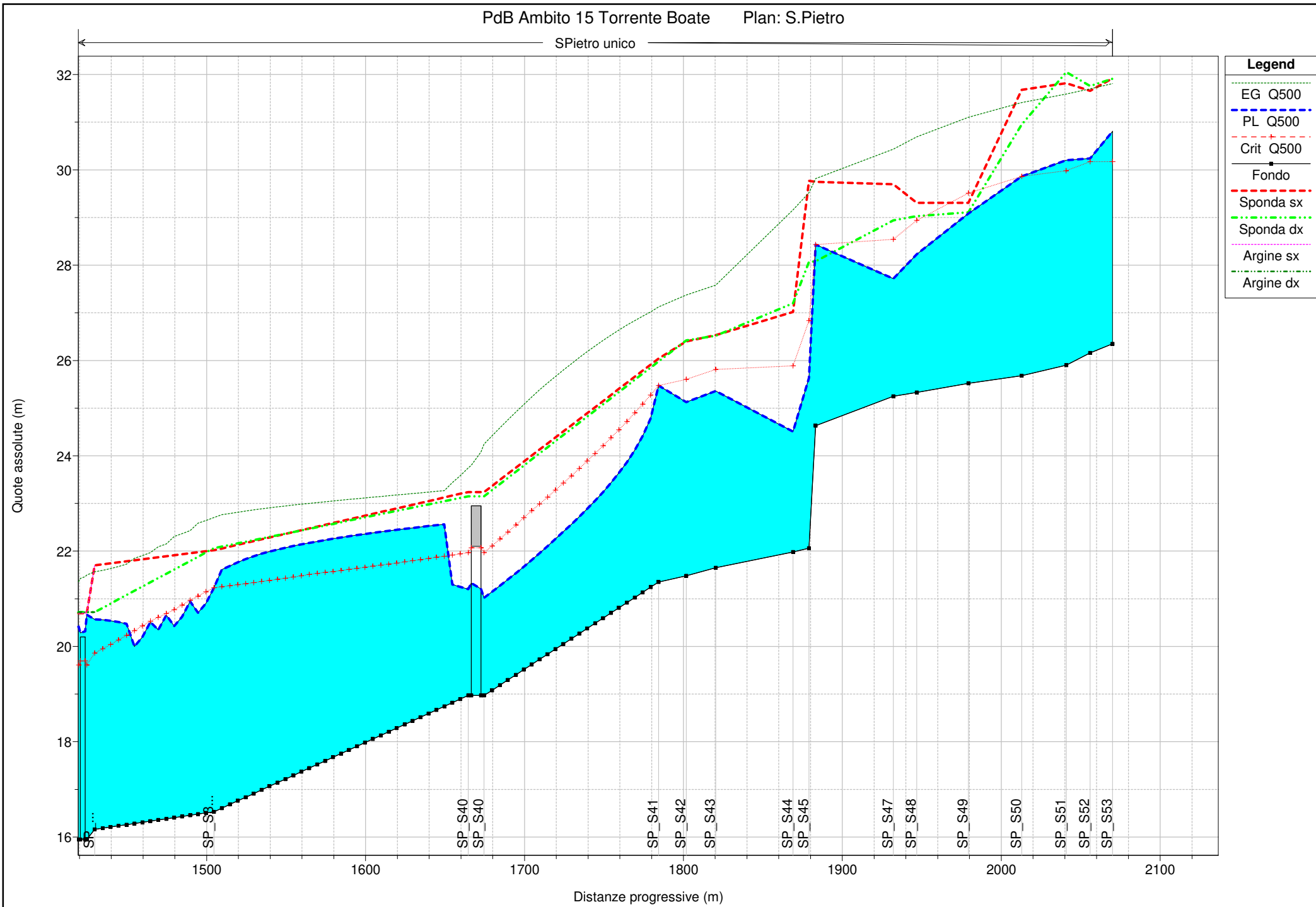
PdB Ambito 15 Torrente Boate Plan: S.Pietro



PdB Ambito 15 Torrente Boate Plan: S.Pietro

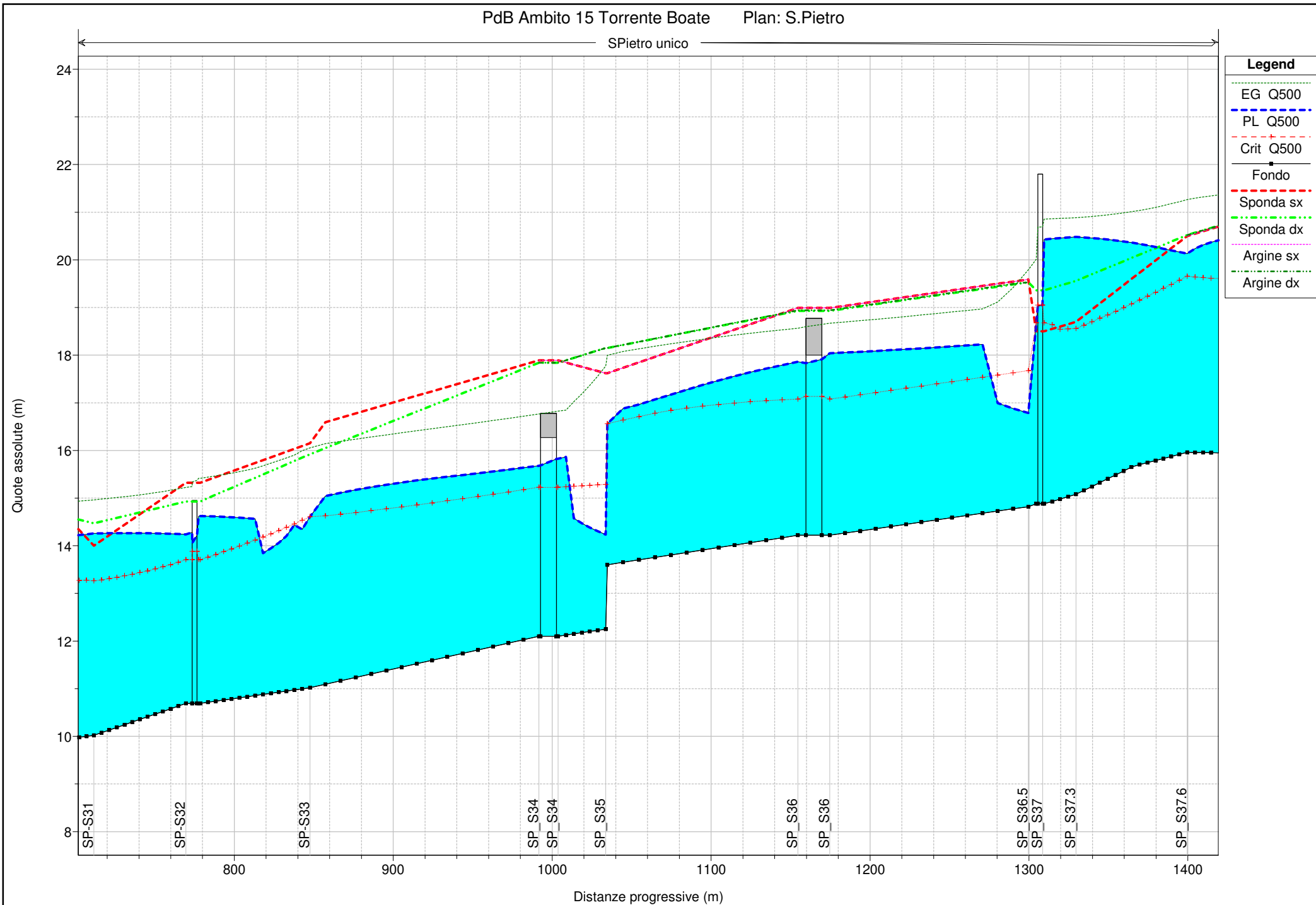


PdB Ambito 15 Torrente Boate Plan: S.Pietro



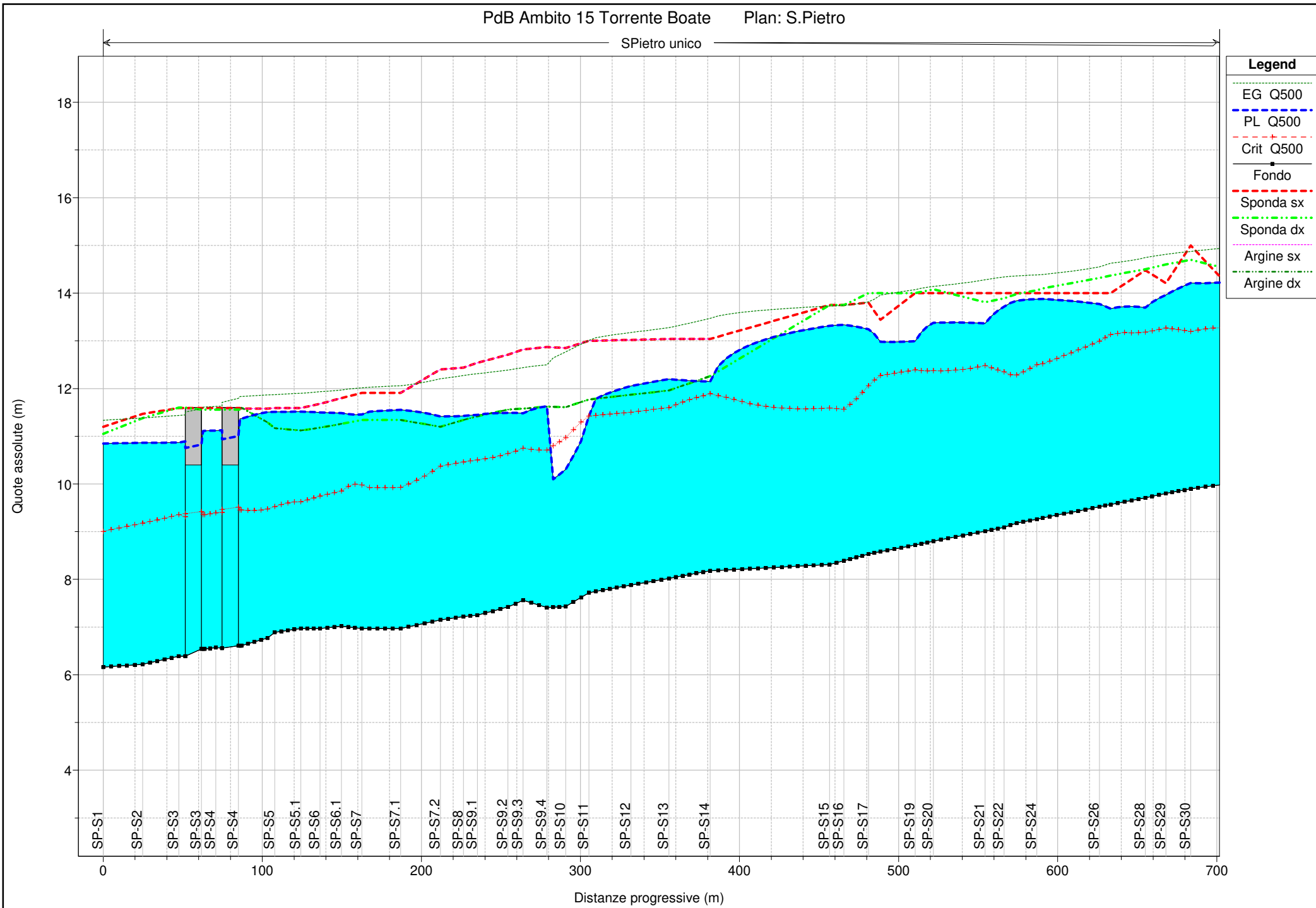
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PL Q500	(Blue dashed line)
Crit Q500	(Red dashed line)
Fondo	(Black line with square markers)
Sponda sx	(Red dashed line)
Sponda dx	(Green dotted line)
Argine sx	(Magenta dotted line)
Argine dx	(Green dotted line)

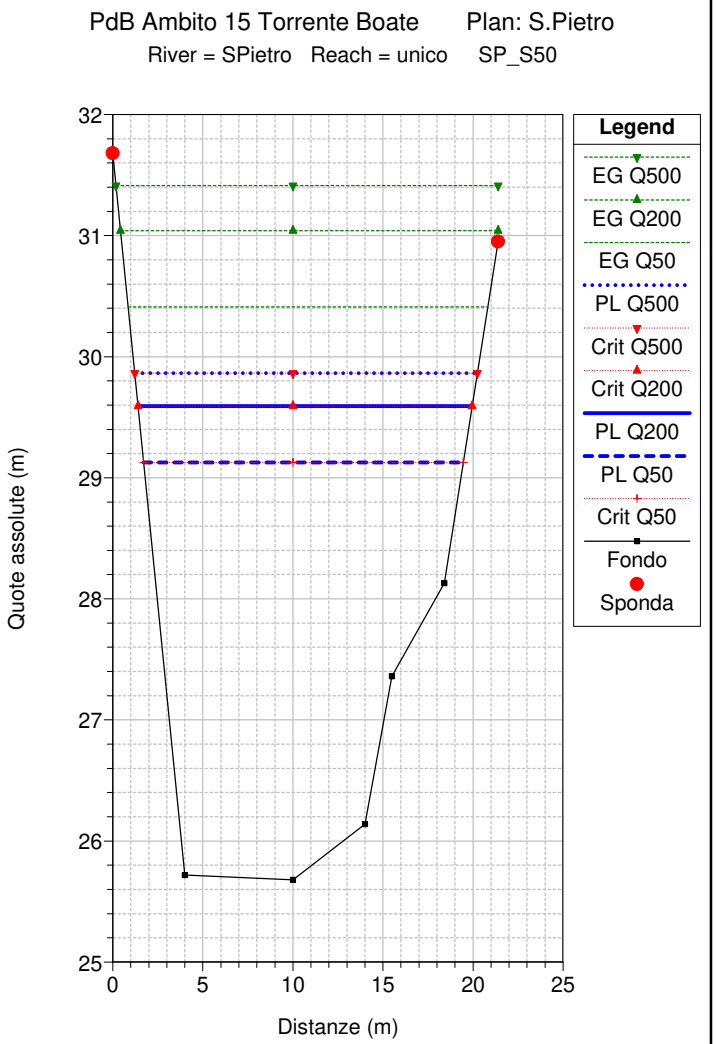
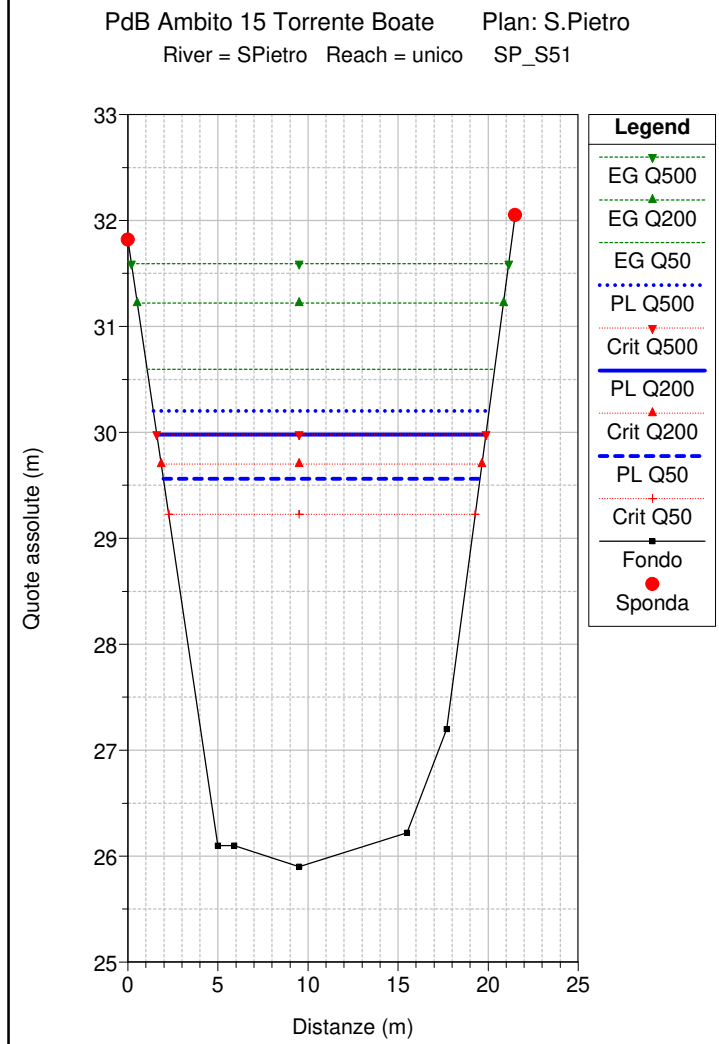
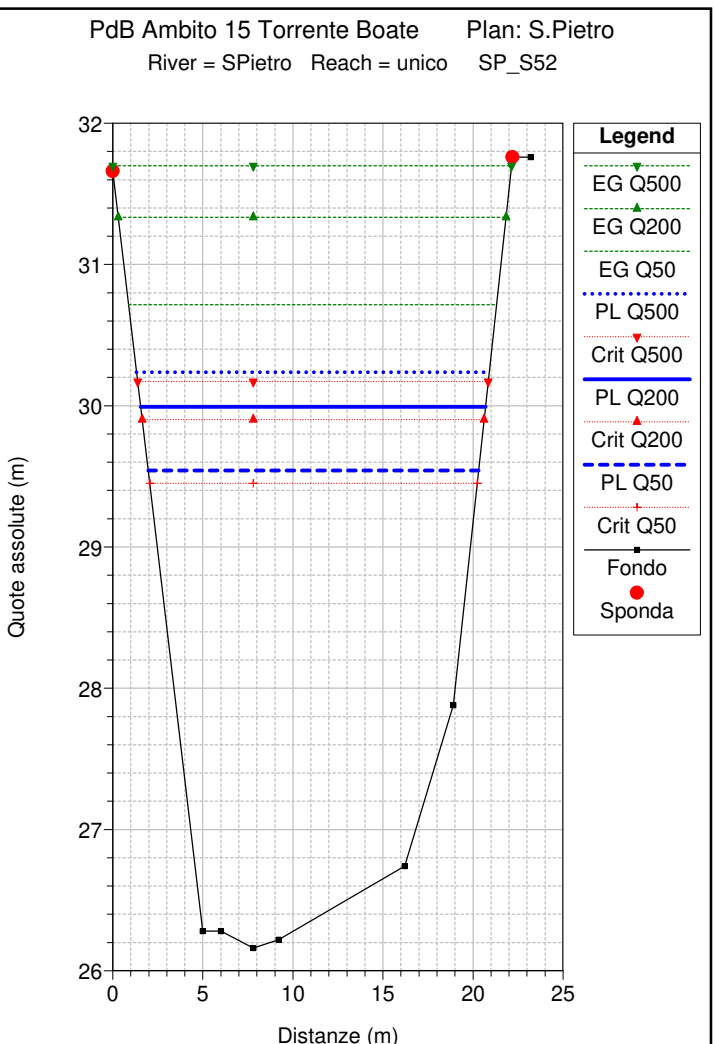
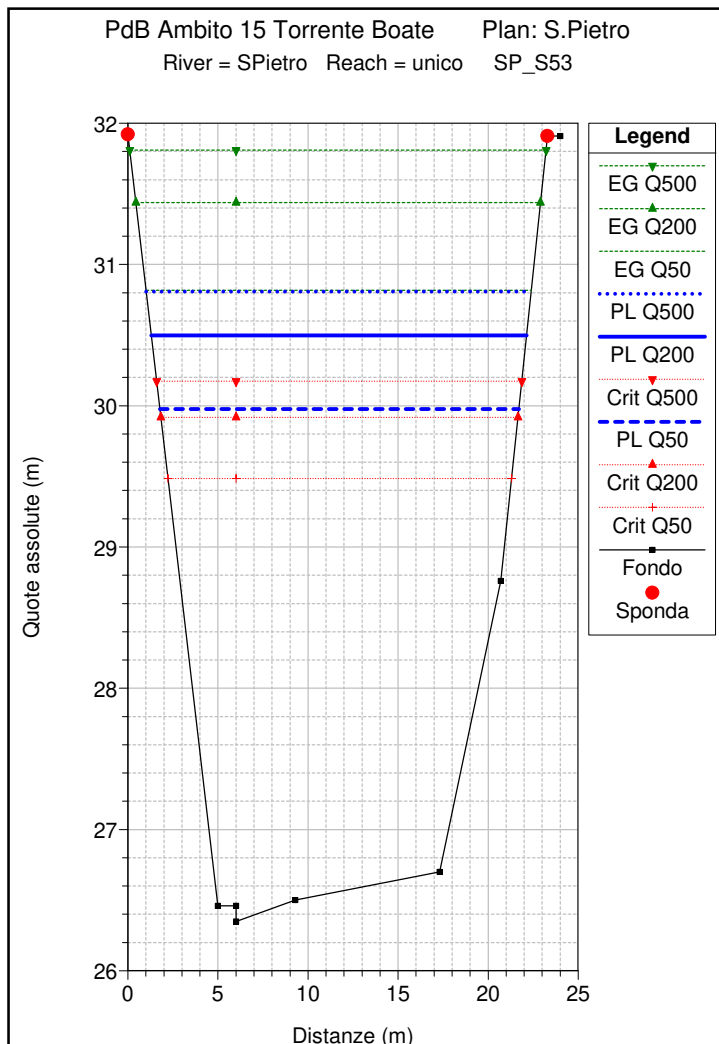
PdB Ambito 15 Torrente Boate Plan: S.Pietro

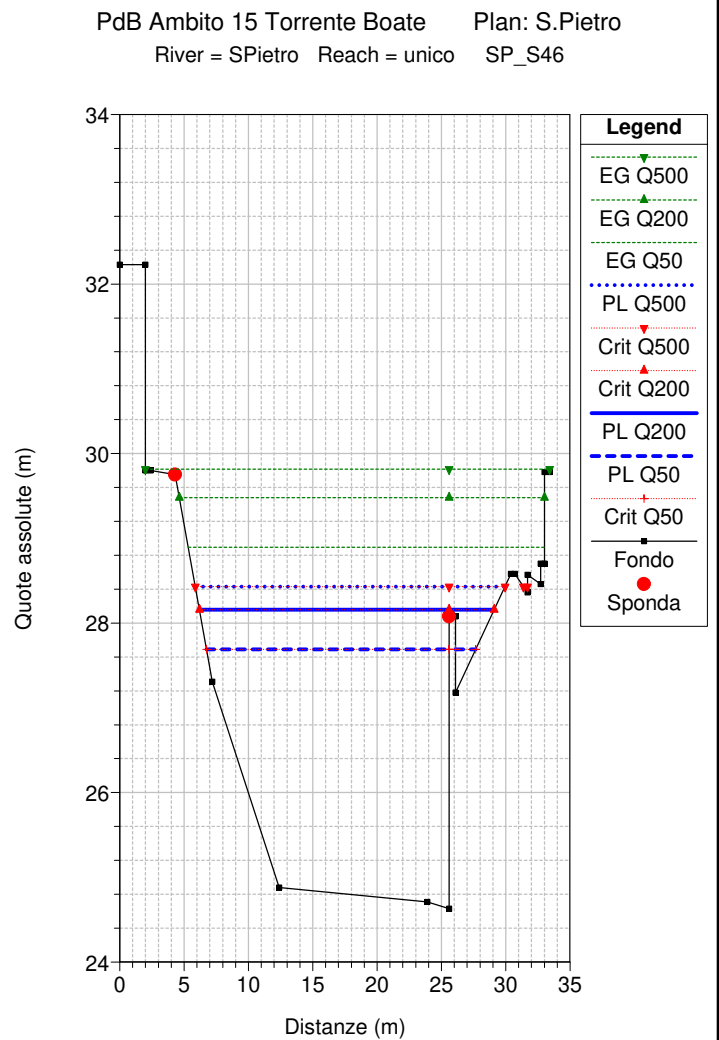
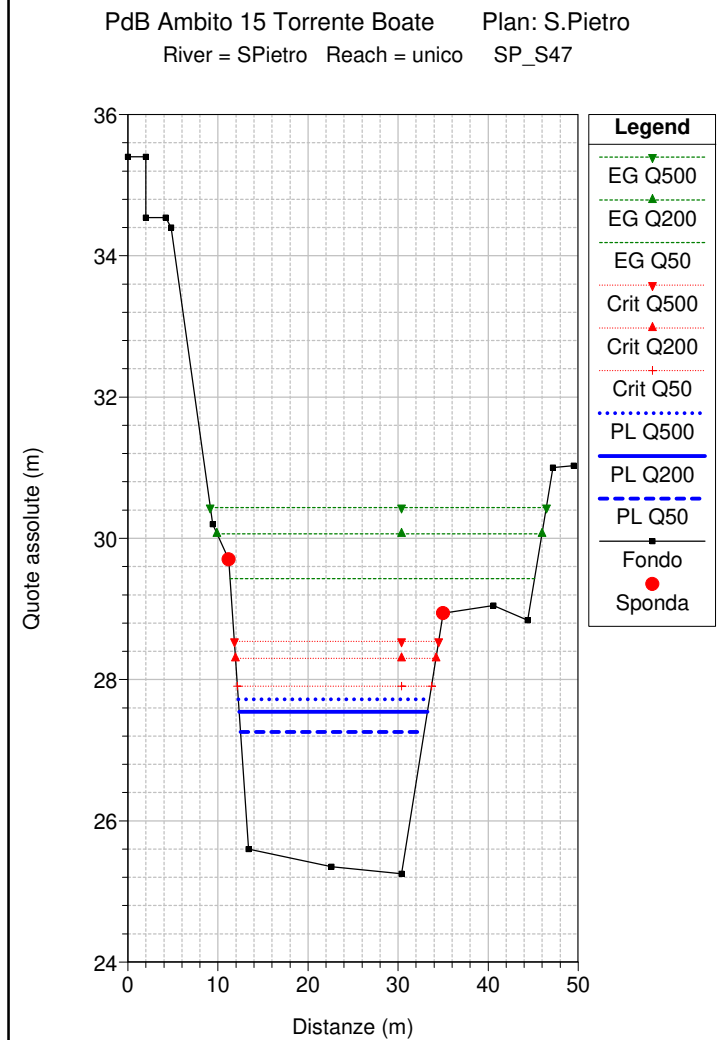
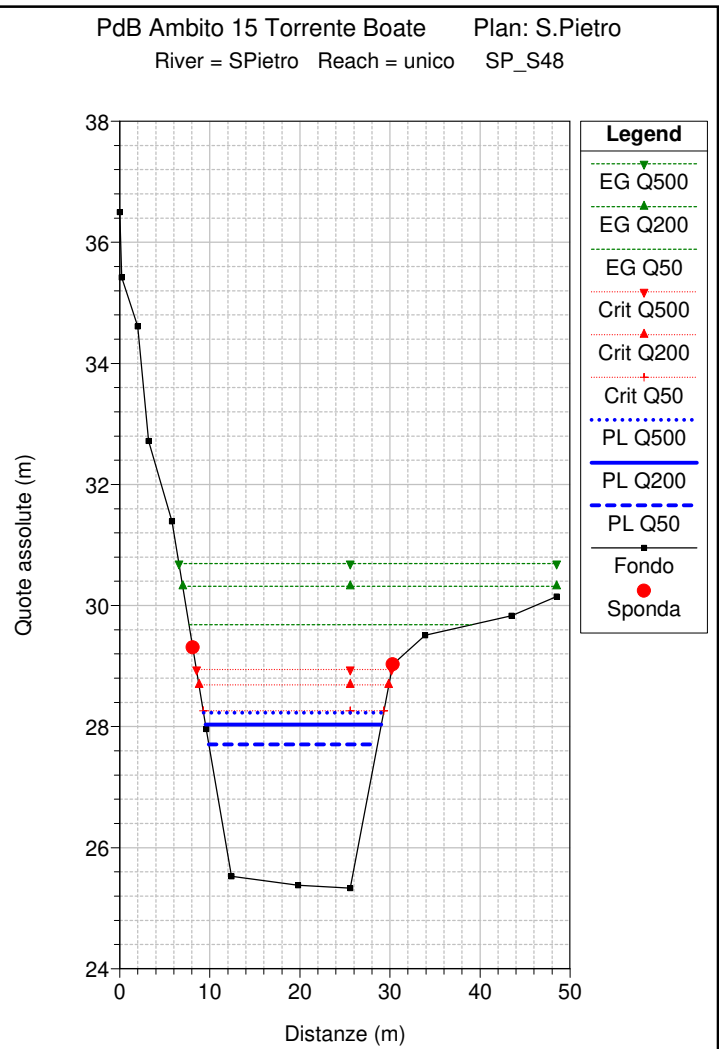
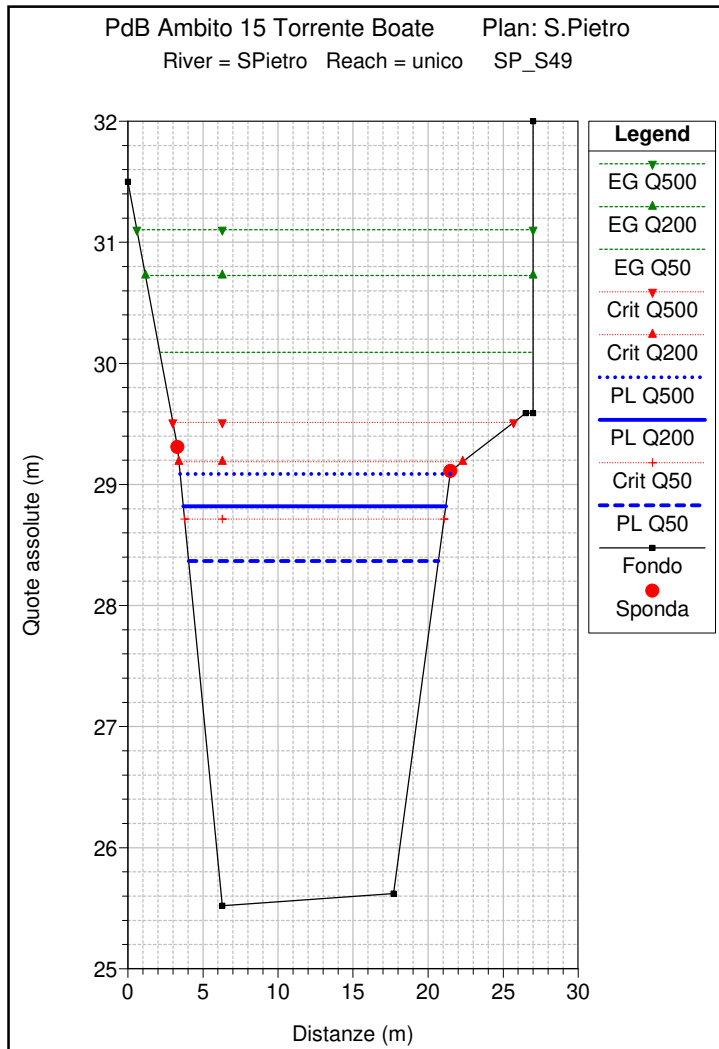


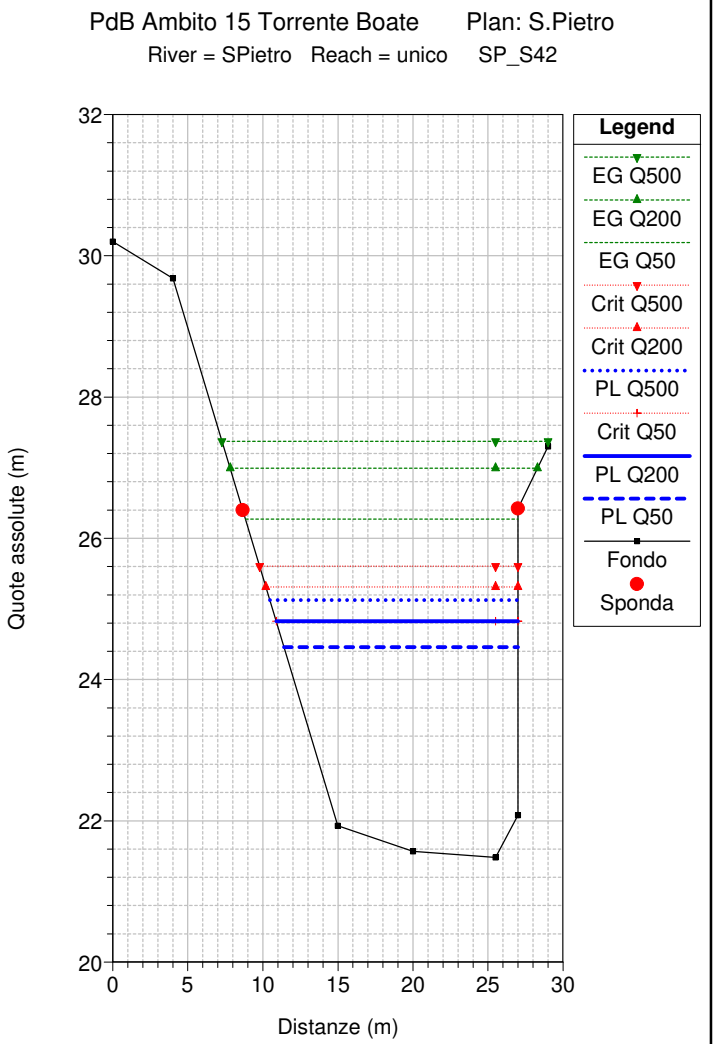
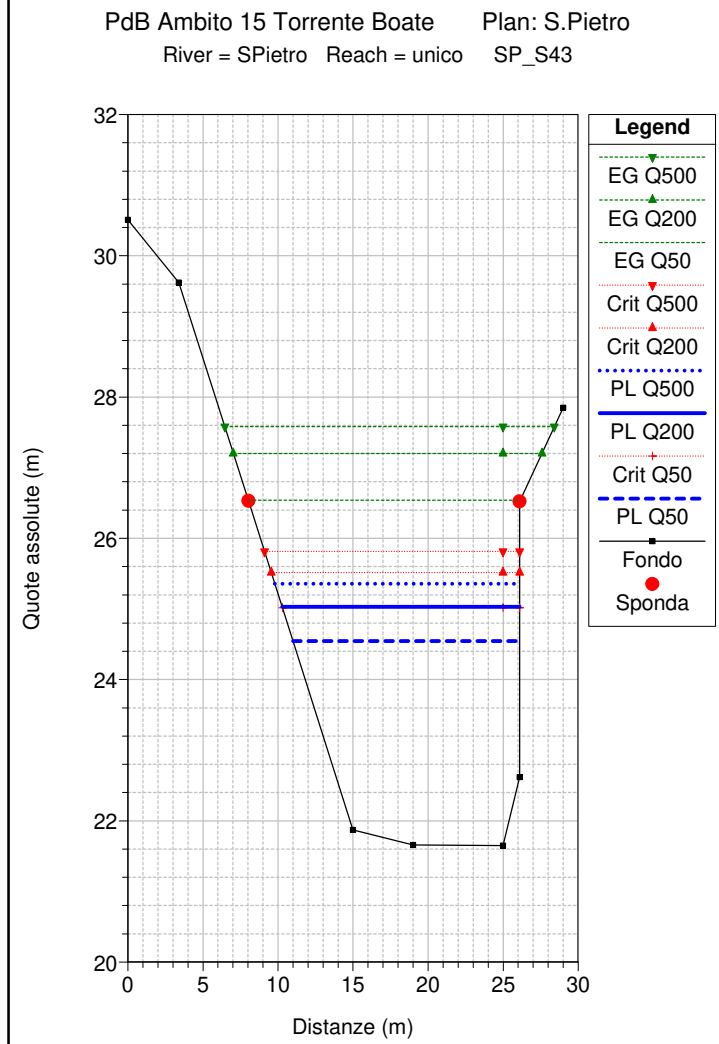
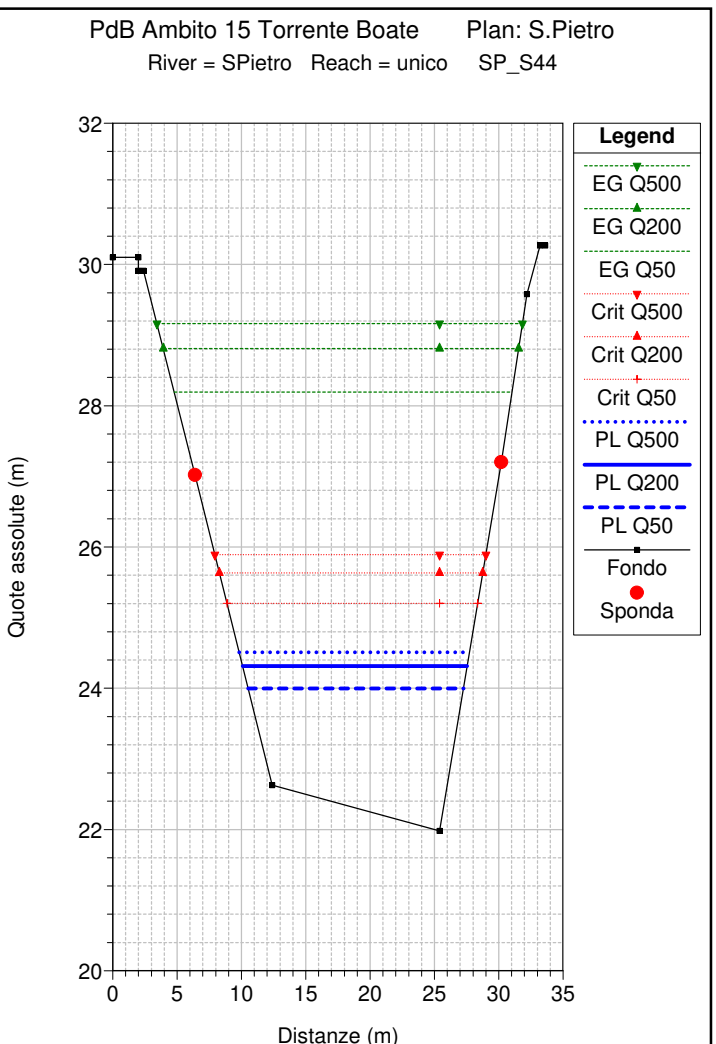
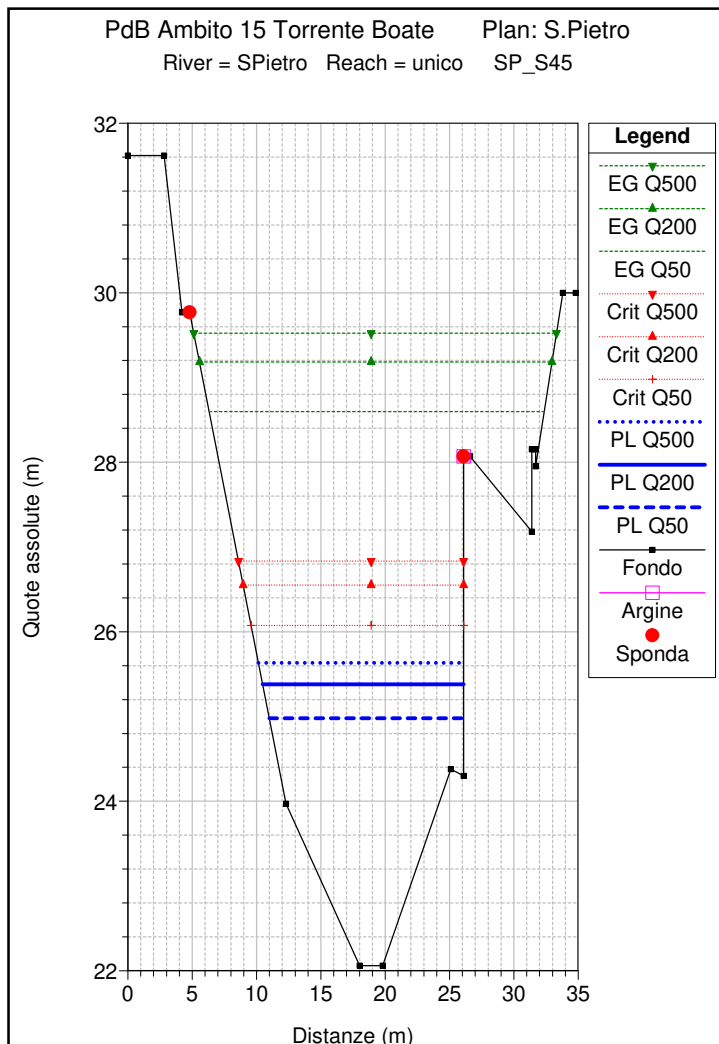
Legend	
EG Q500	(Dotted green line)
PL Q500	(Solid blue line)
Crit Q500	(Dashed red line)
Fondo	(Solid black line)
Sponda sx	(Dashed red line)
Sponda dx	(Dotted green line)
Argine sx	(Dashed red line)
Argine dx	(Dotted green line)

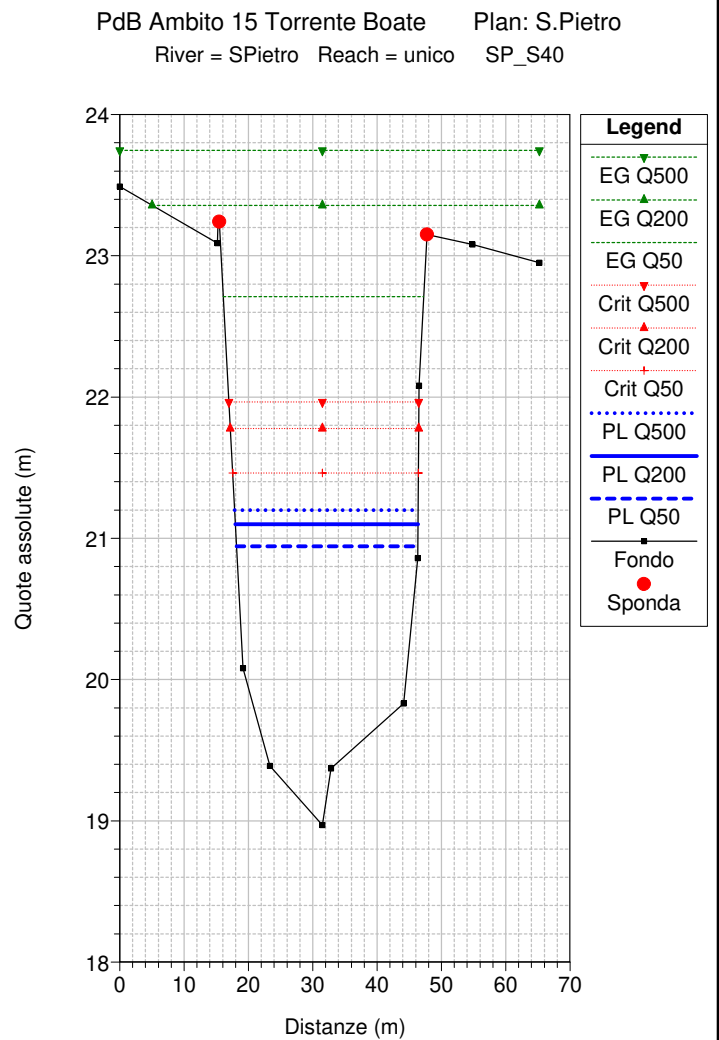
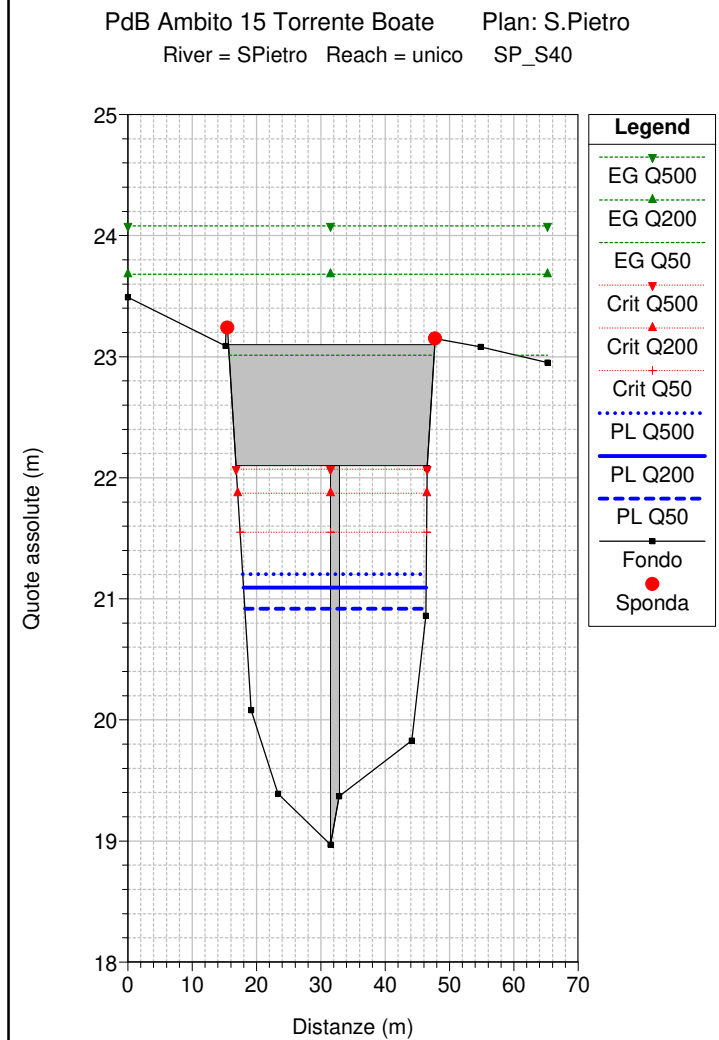
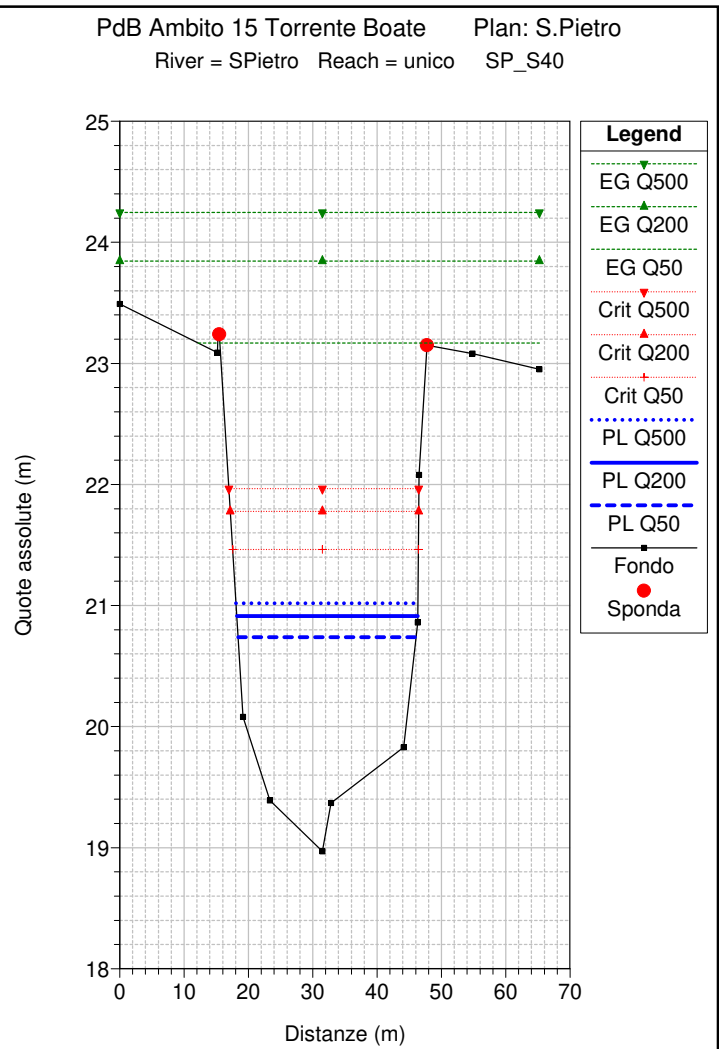
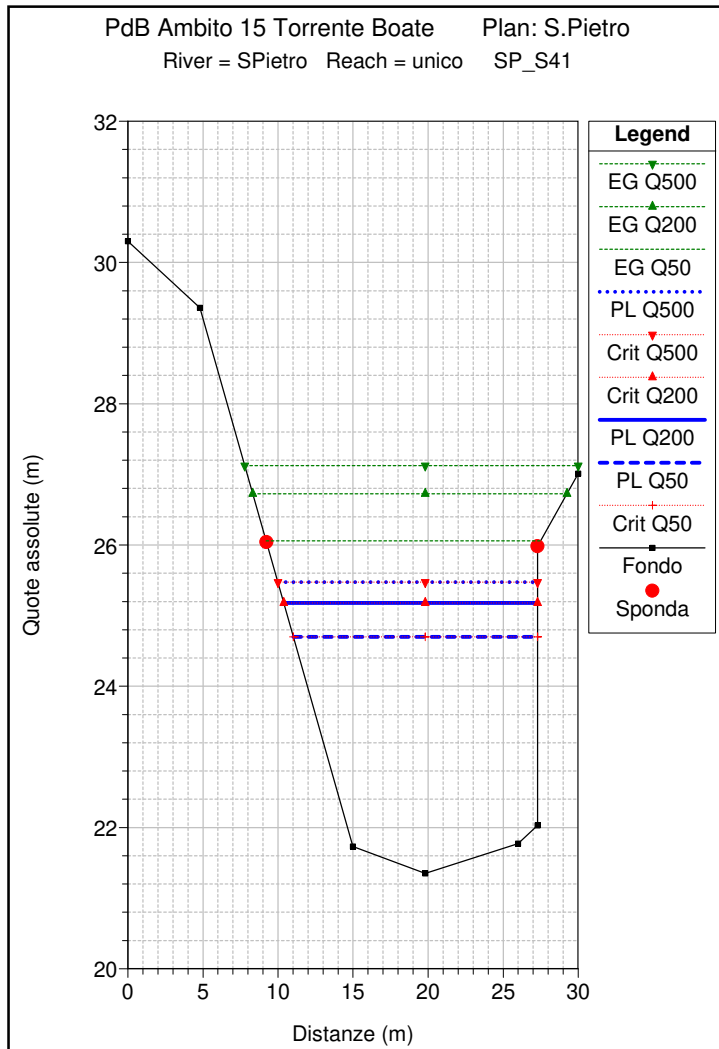
PdB Ambito 15 Torrente Boate Plan: S.Pietro

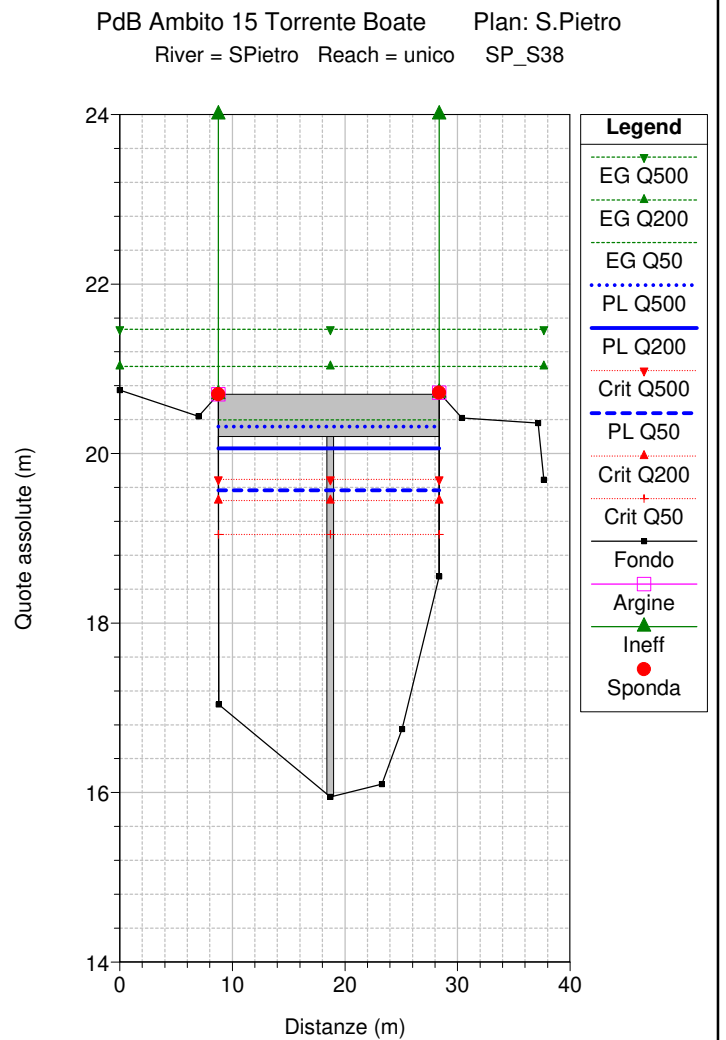
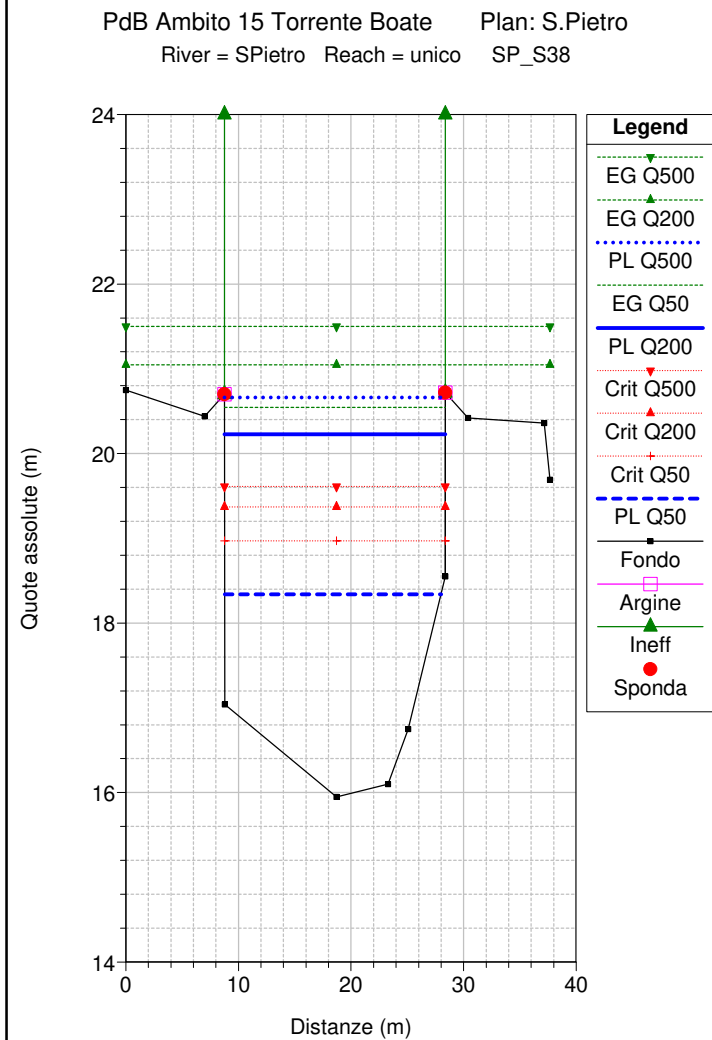
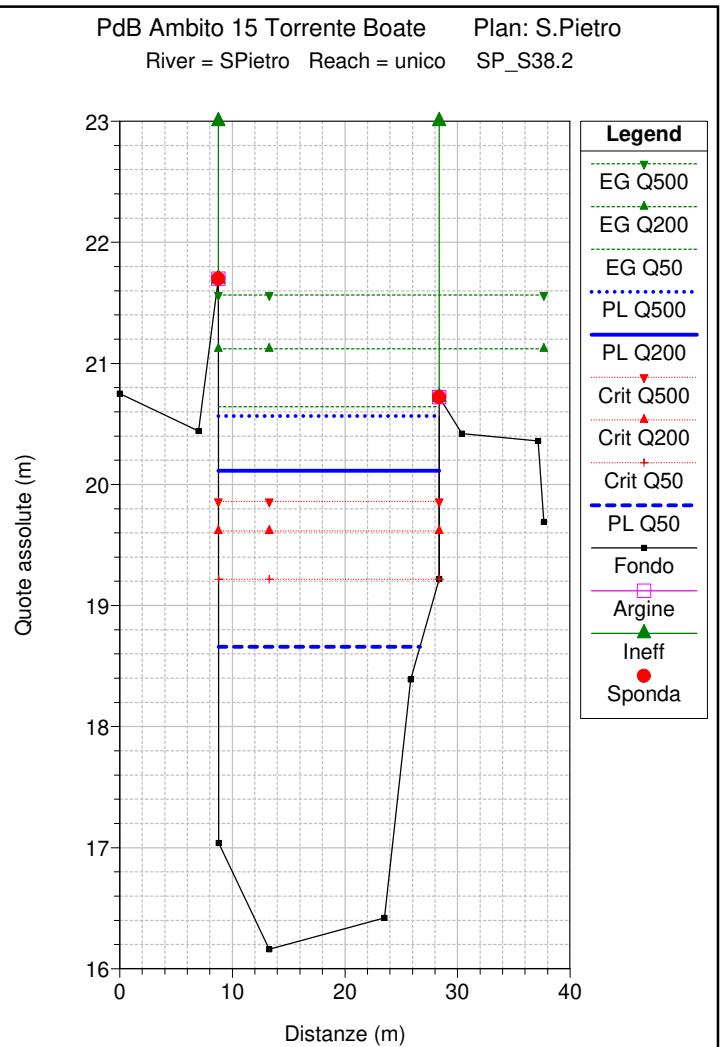
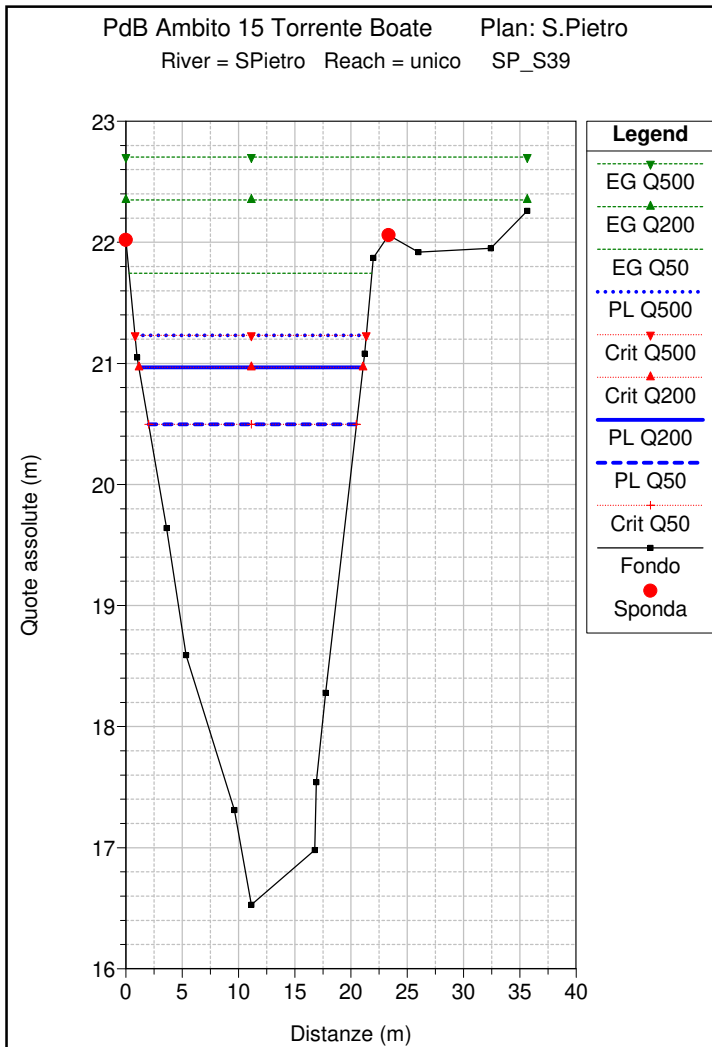


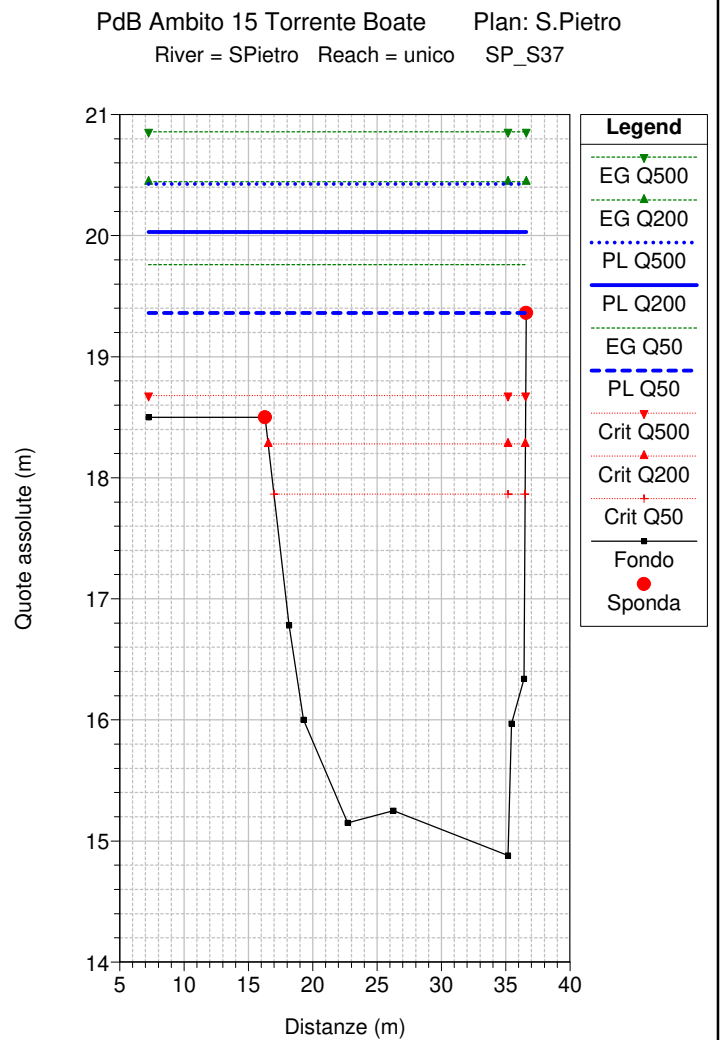
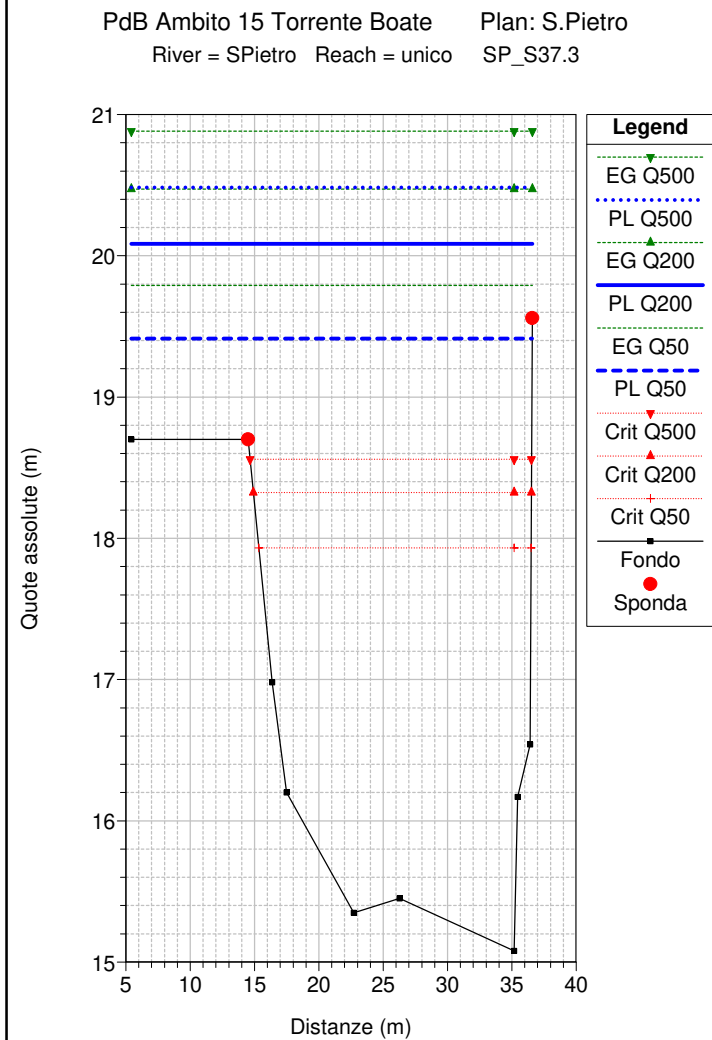
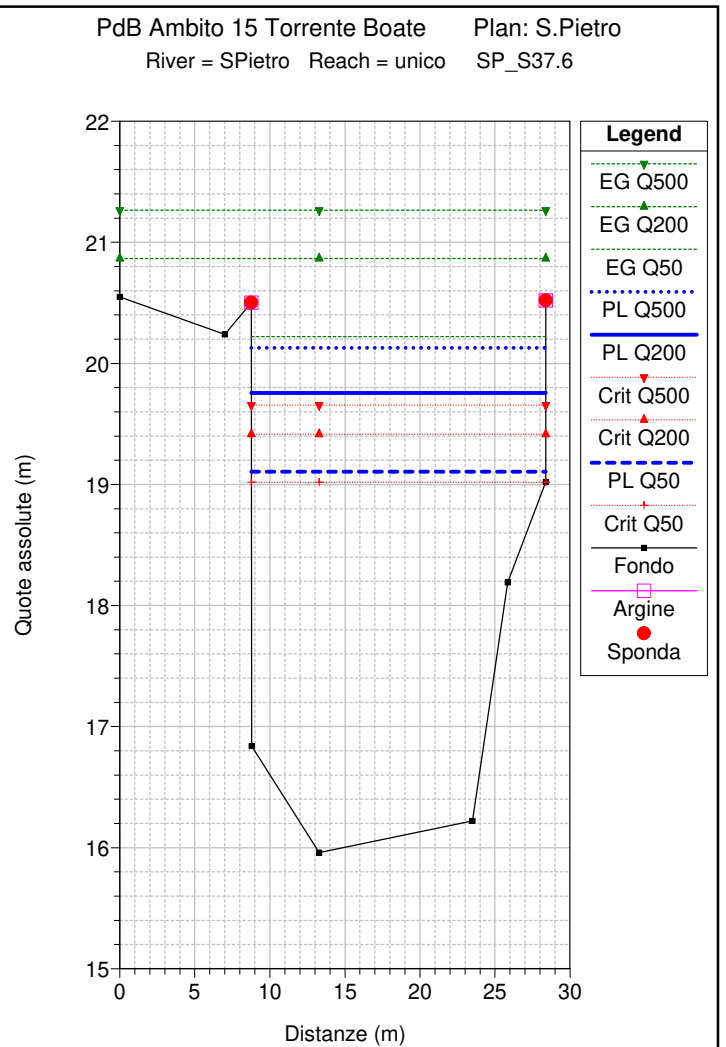
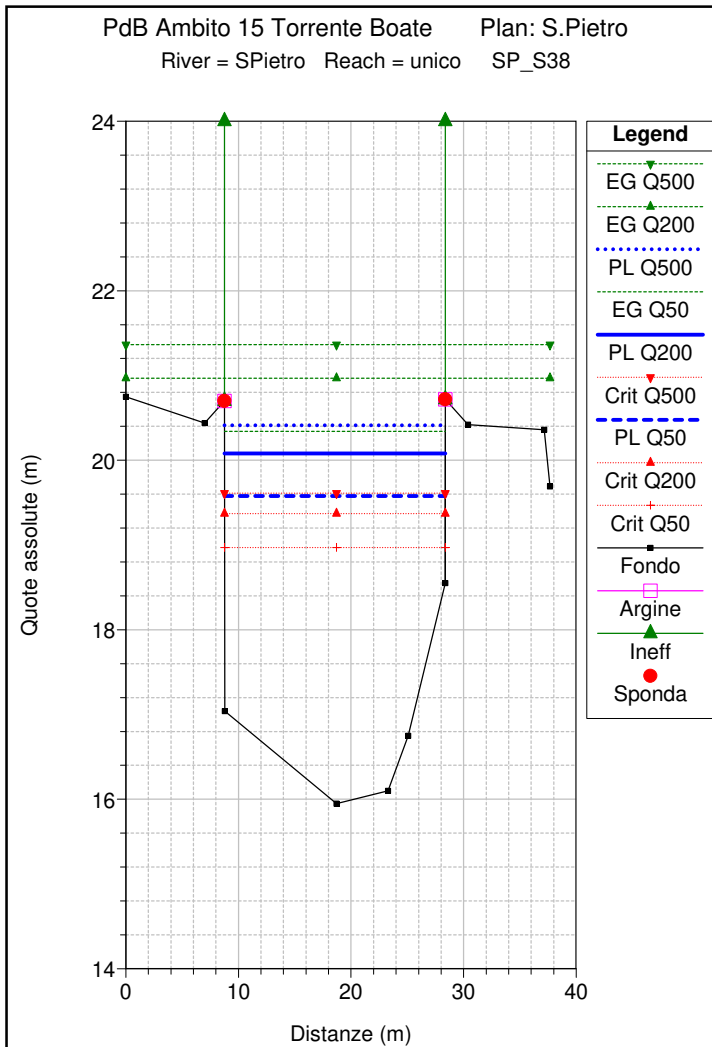


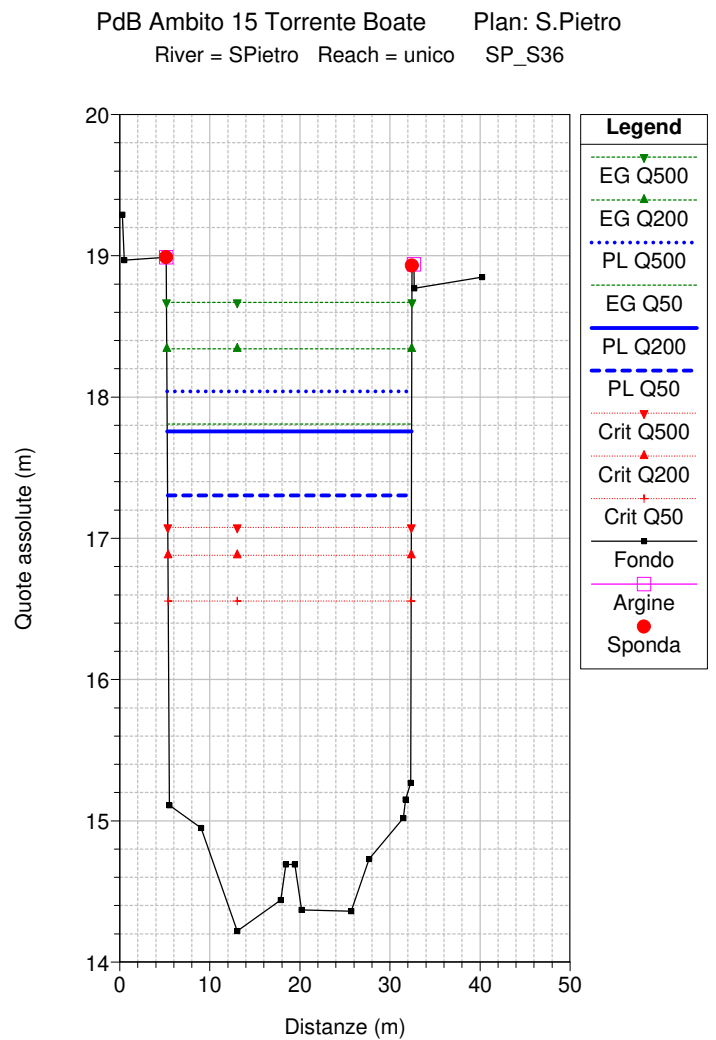
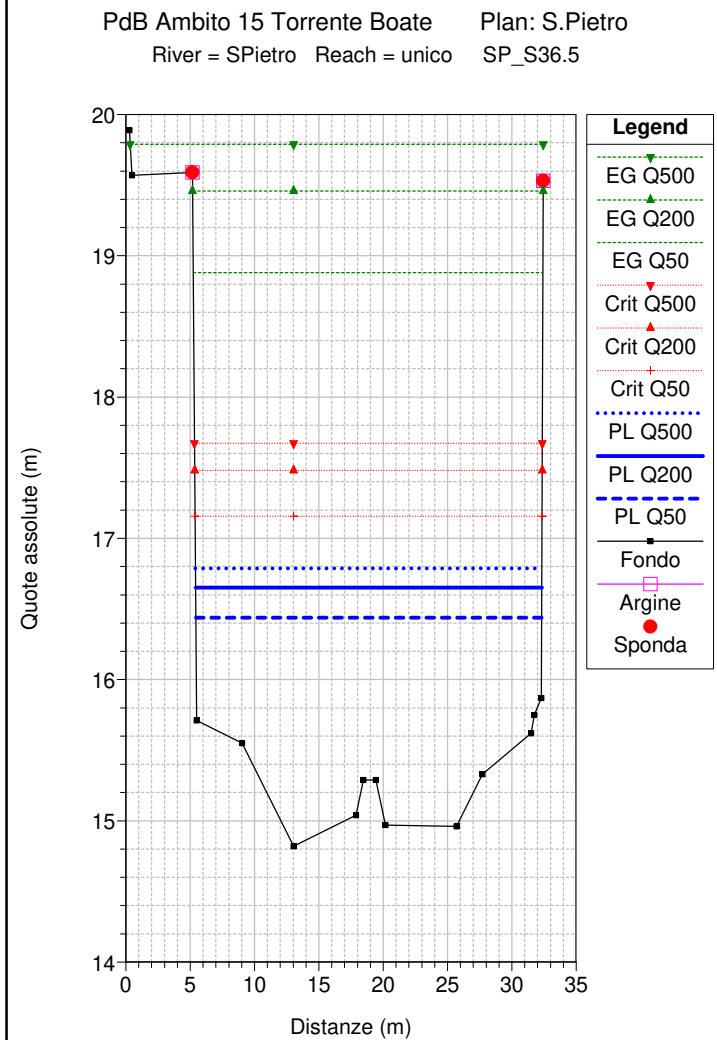
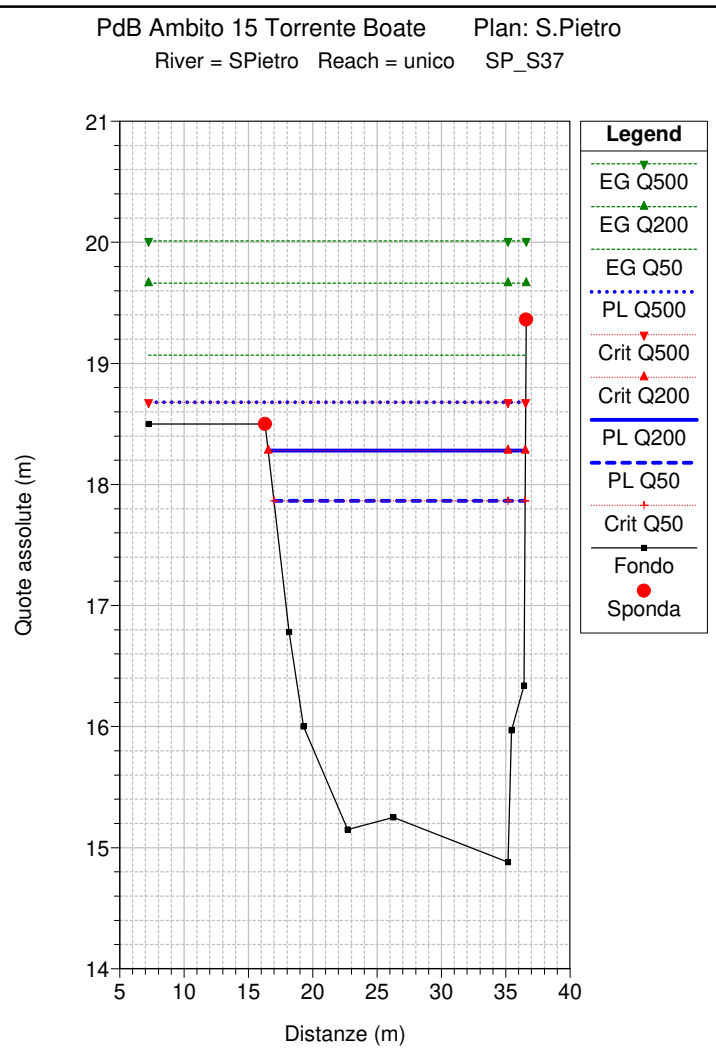
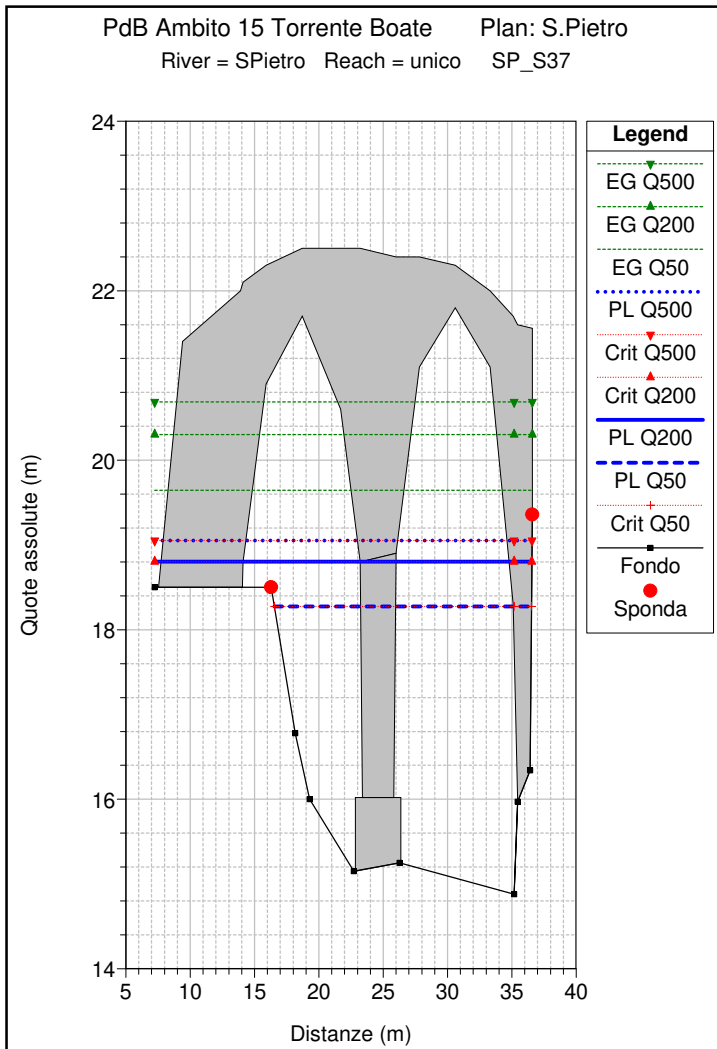


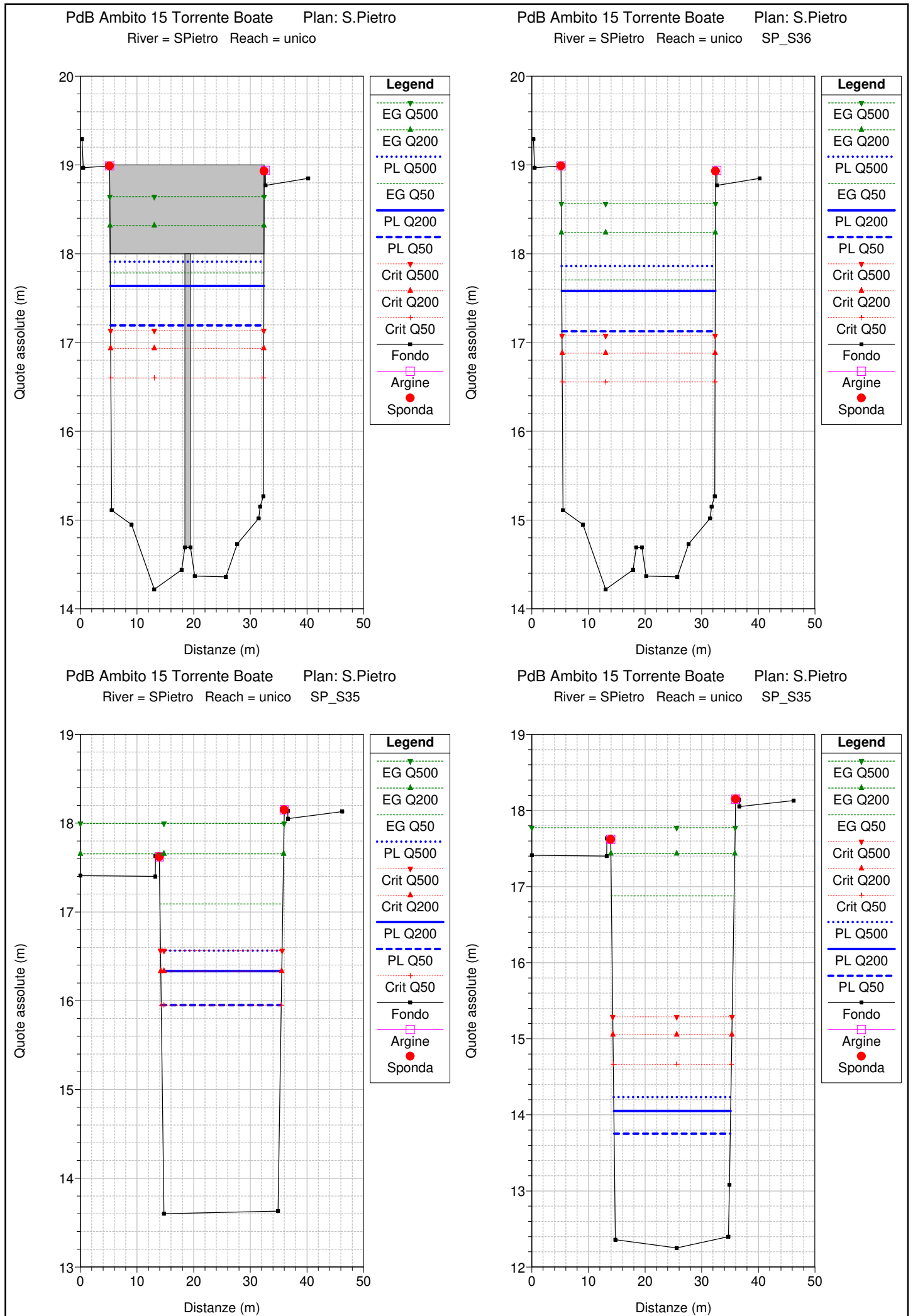


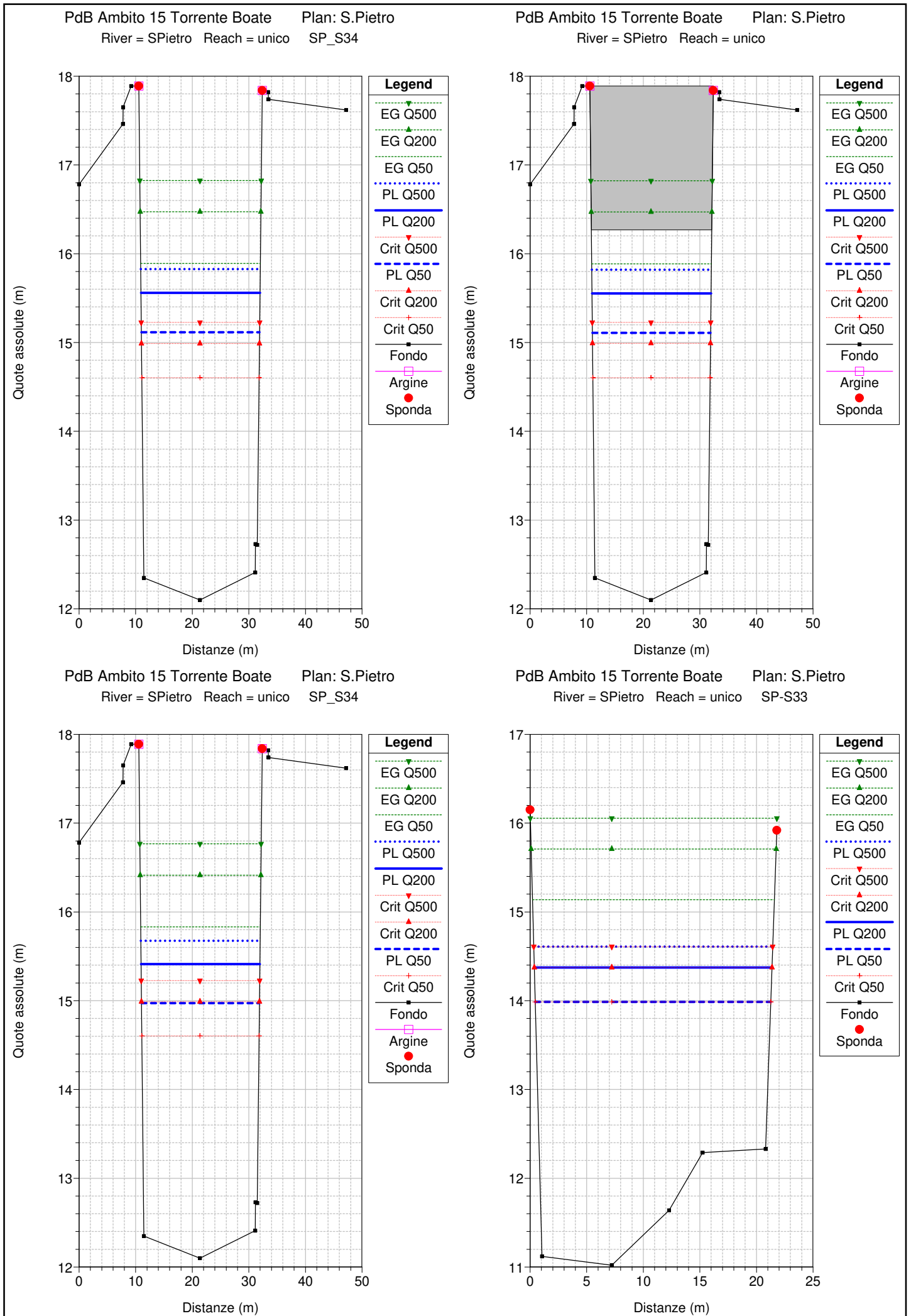


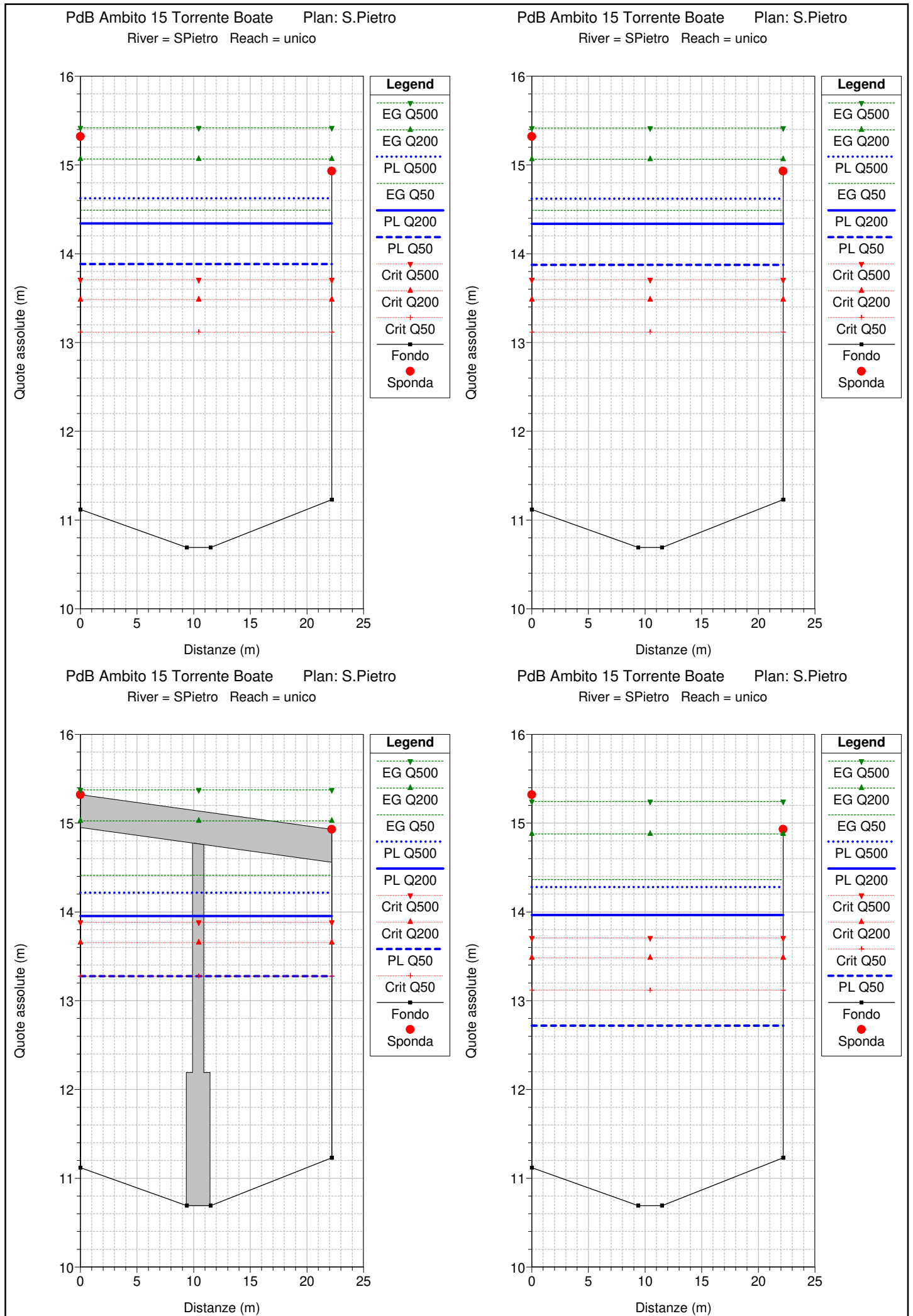


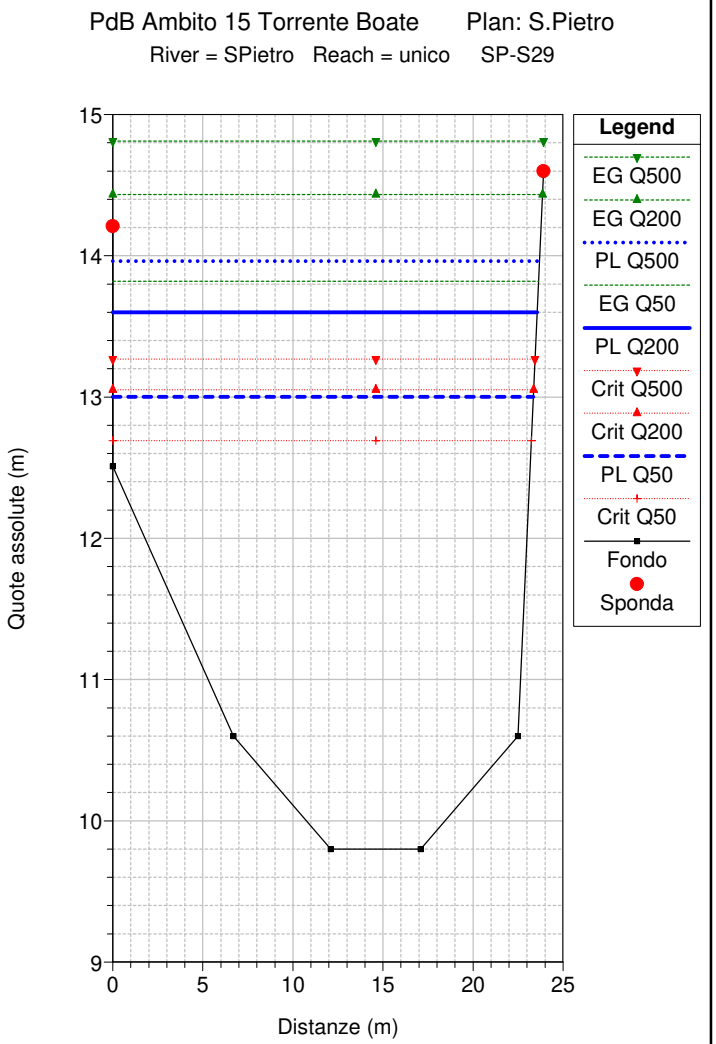
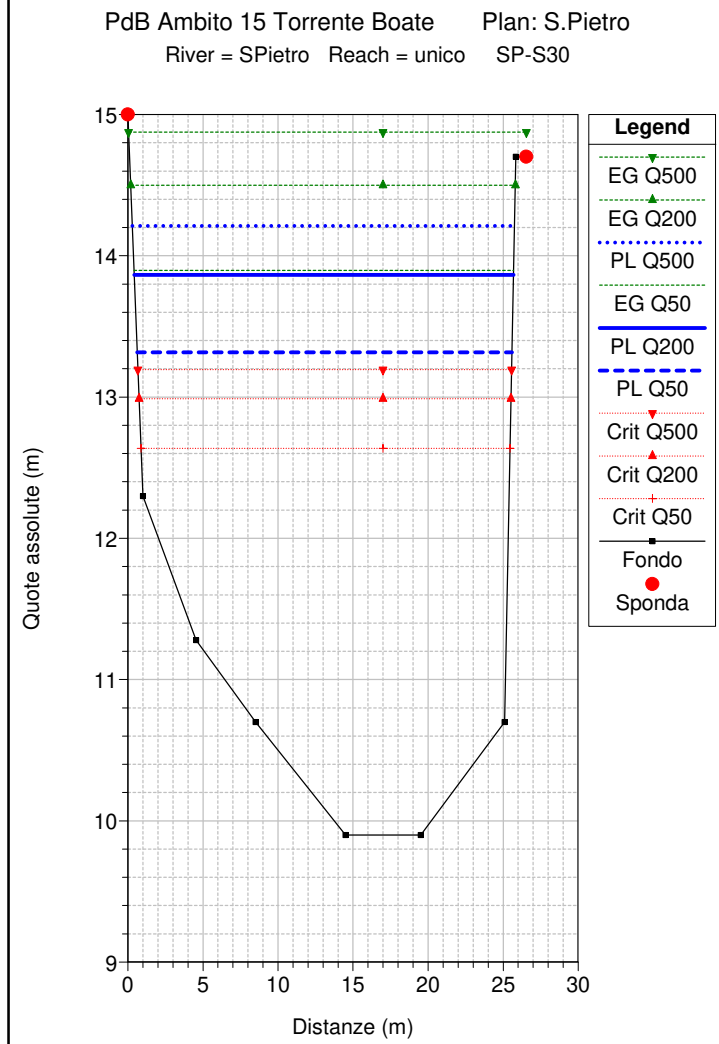
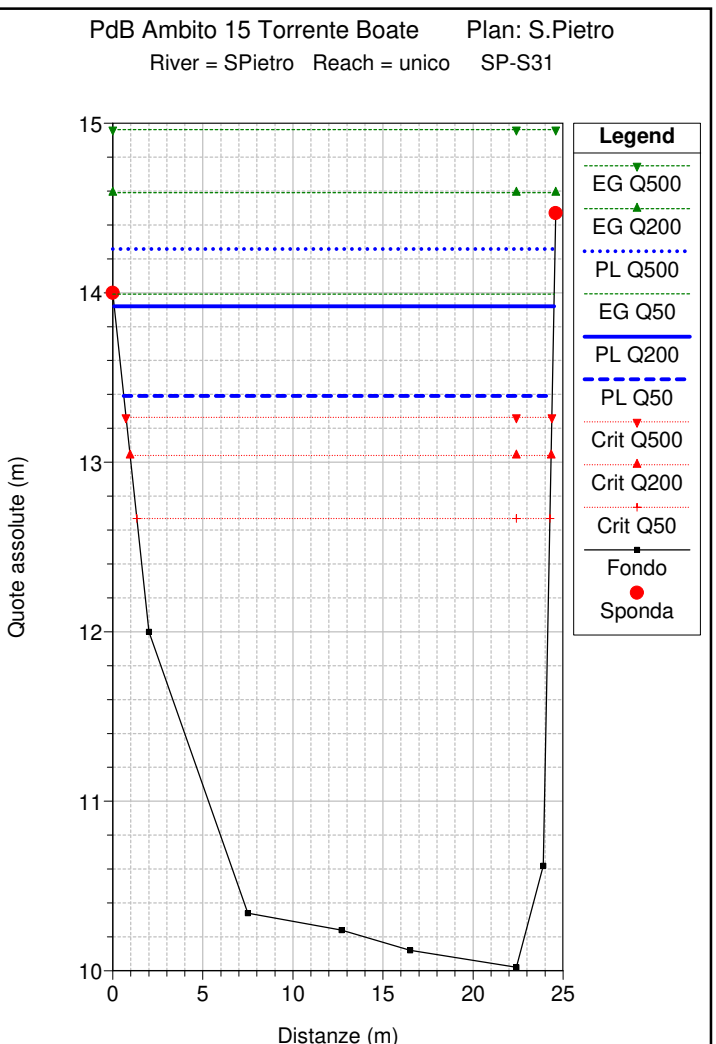
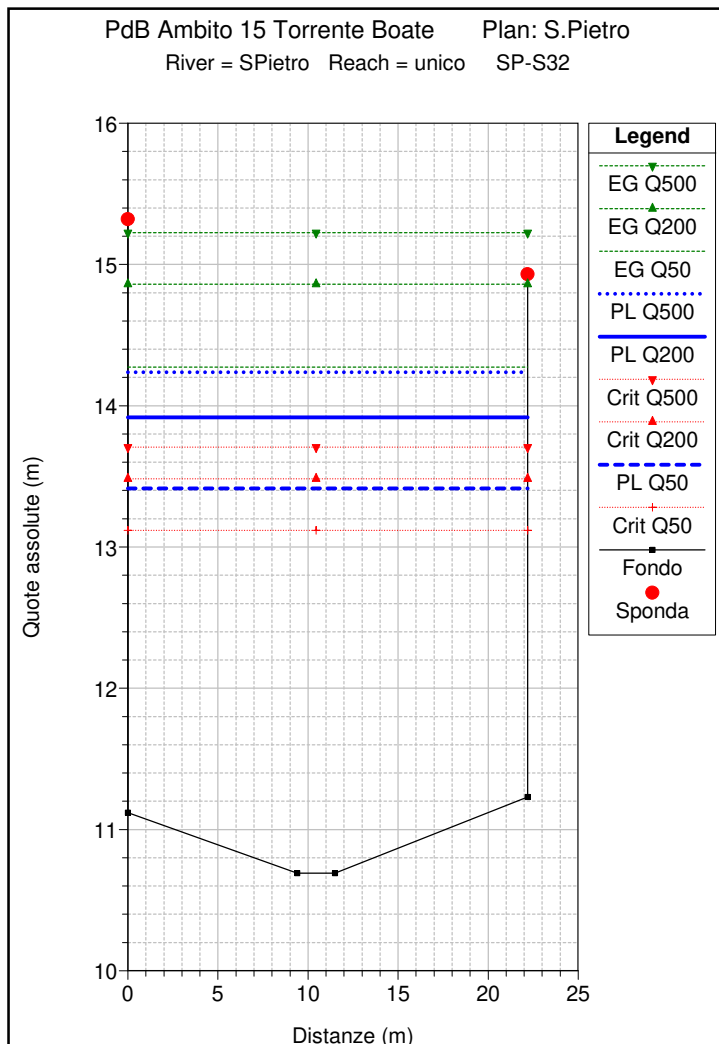


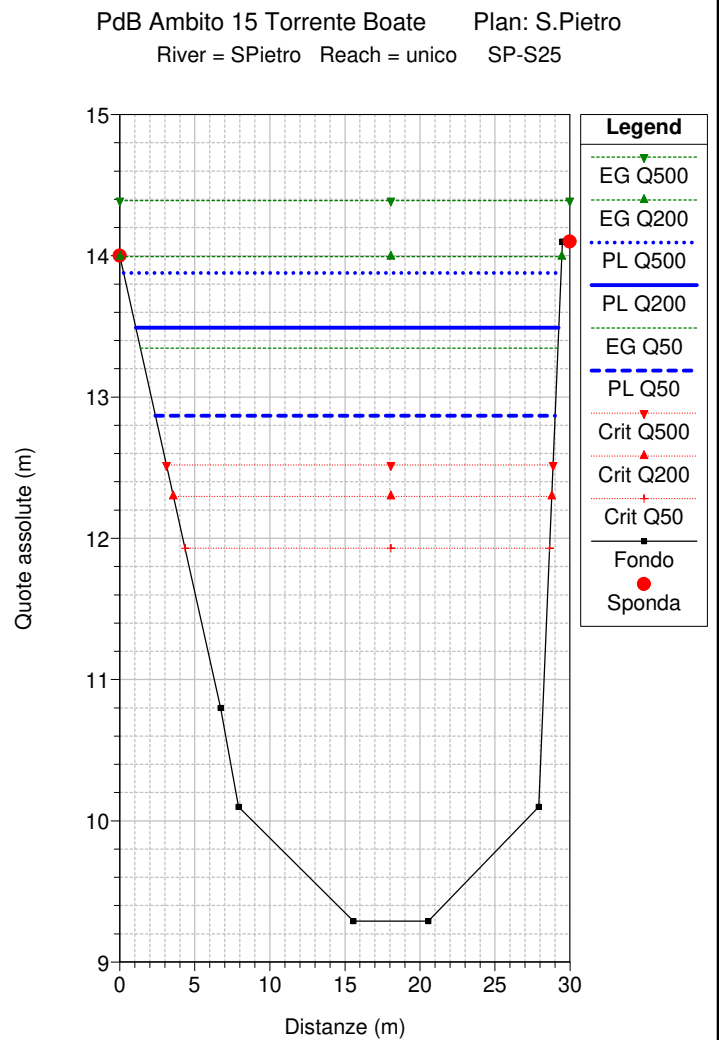
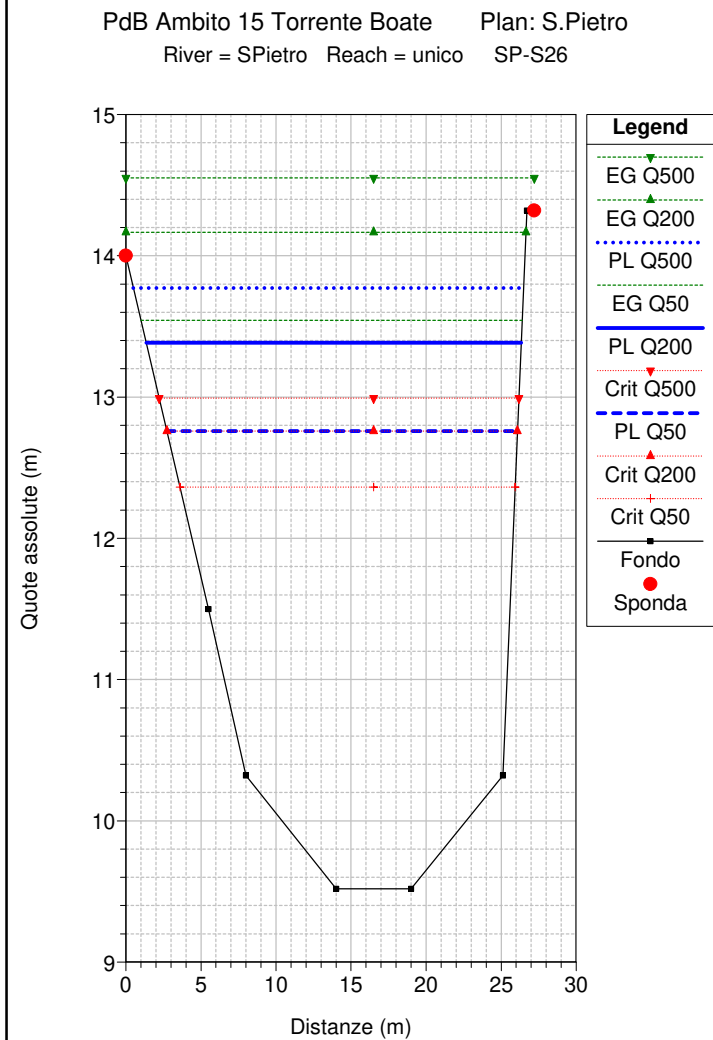
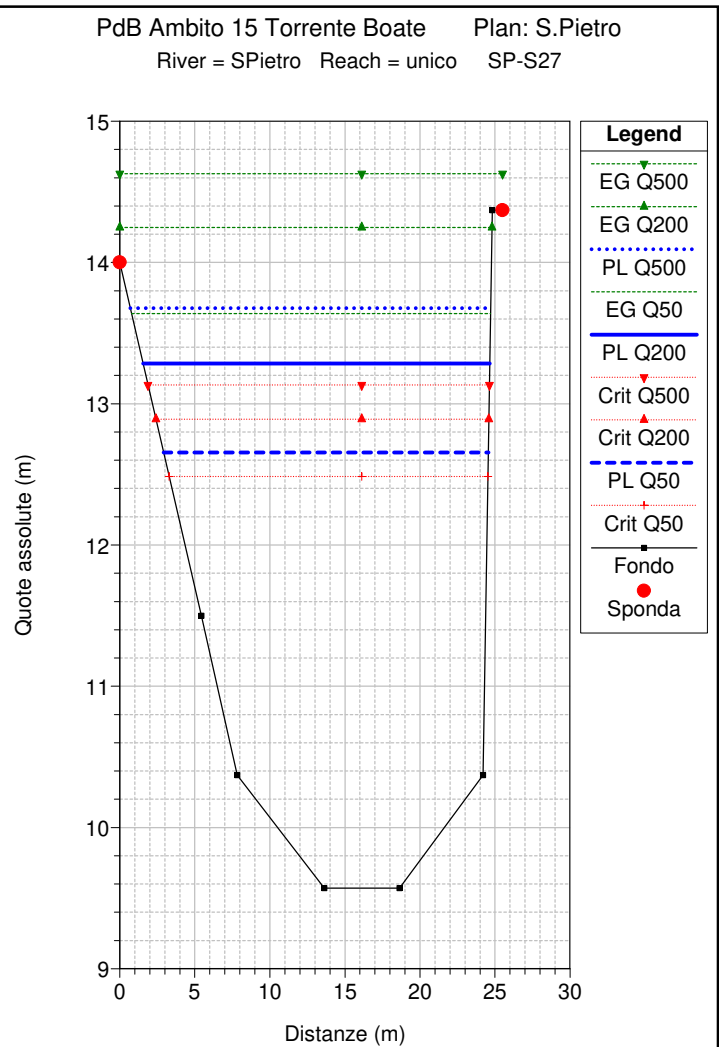
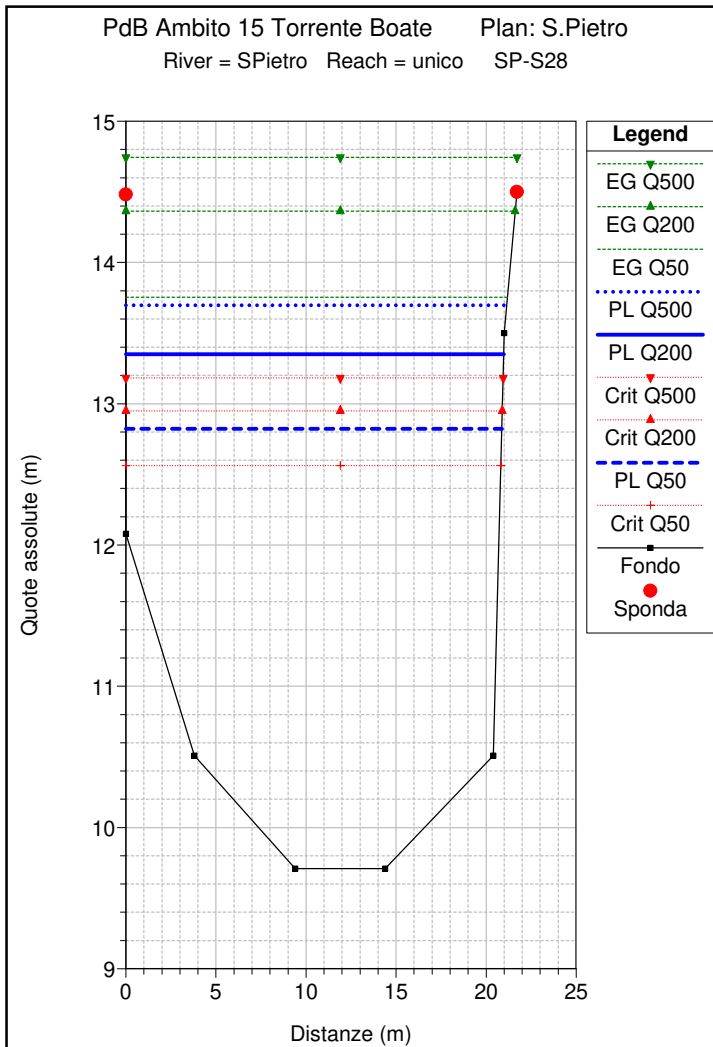


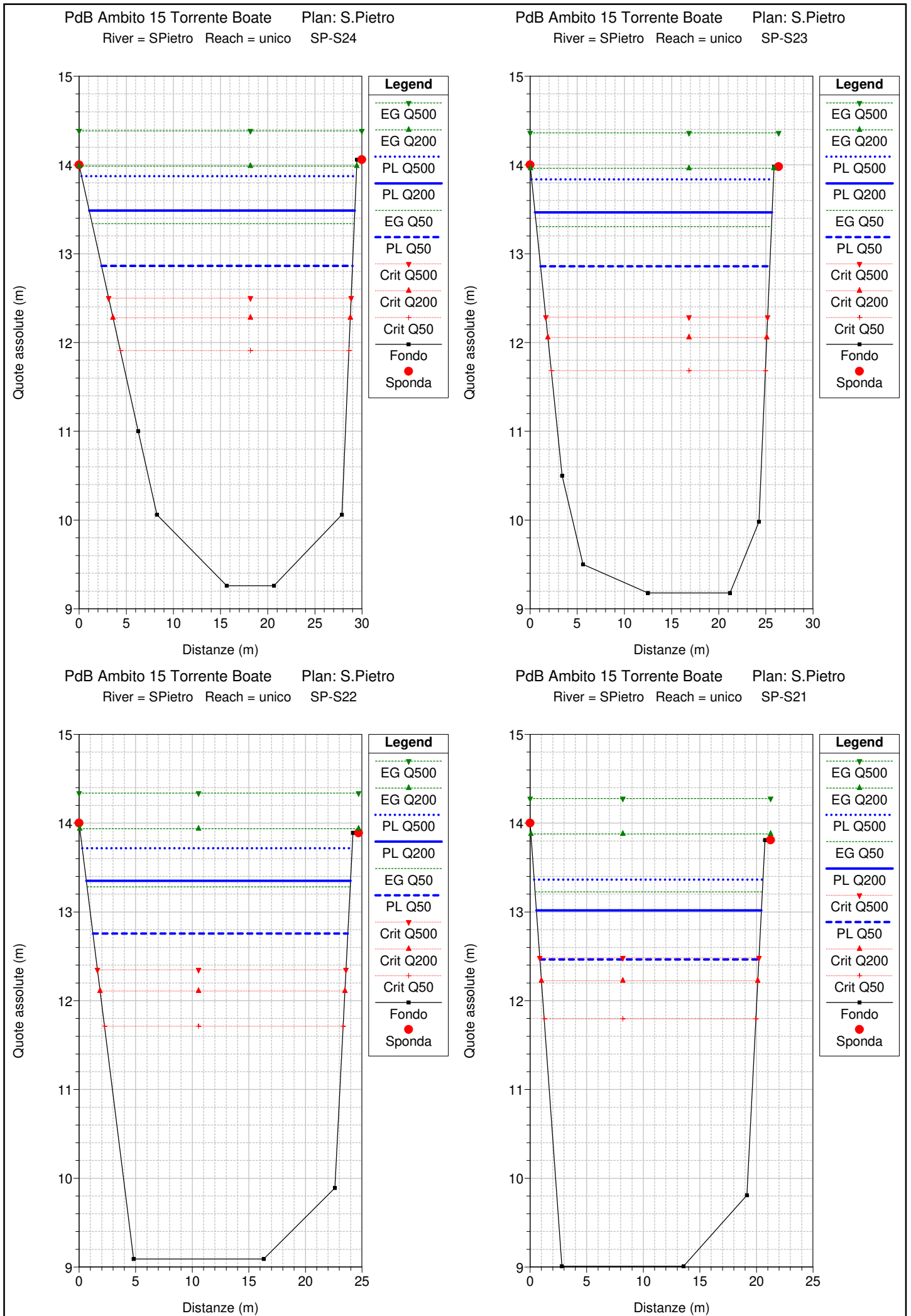


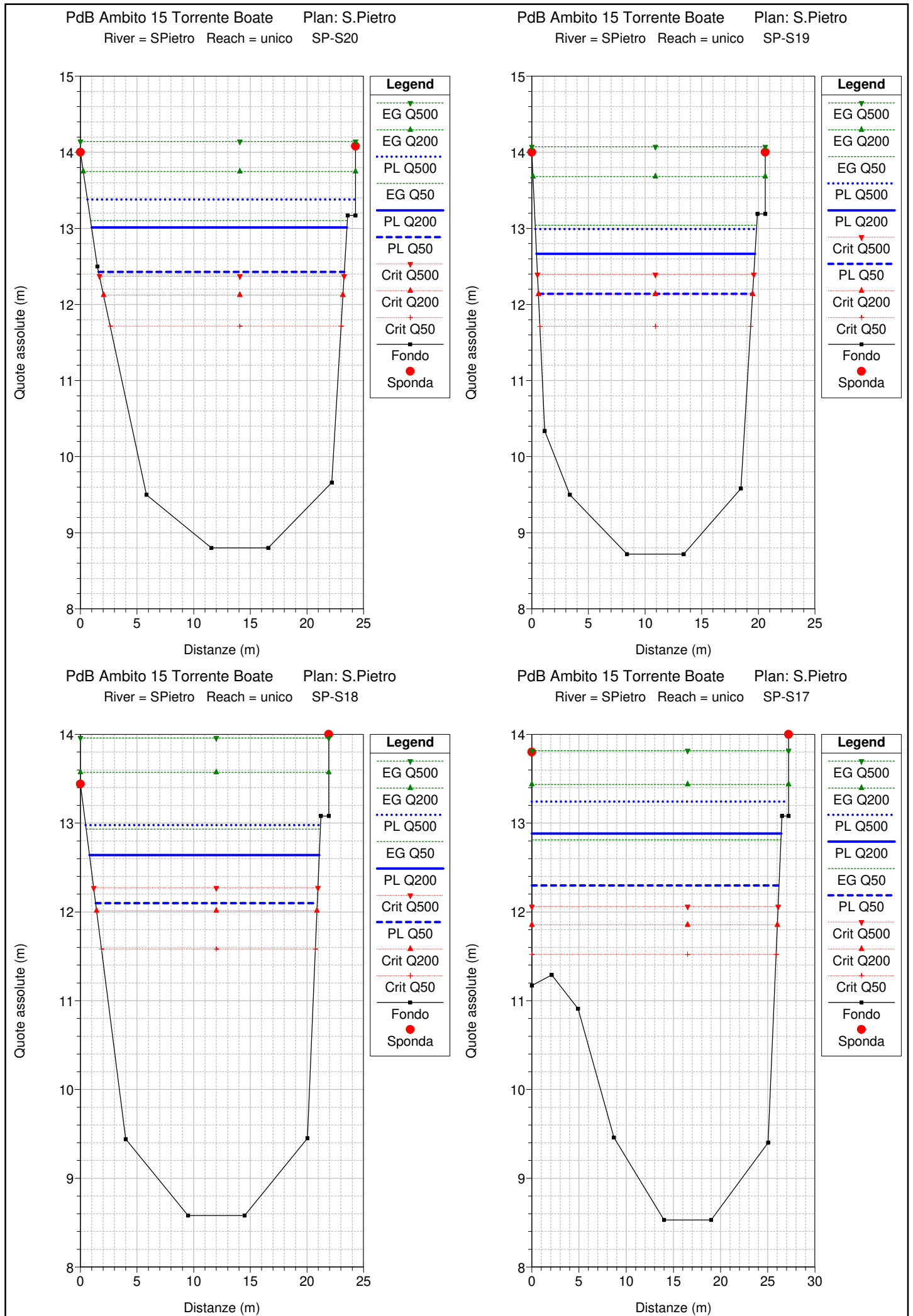


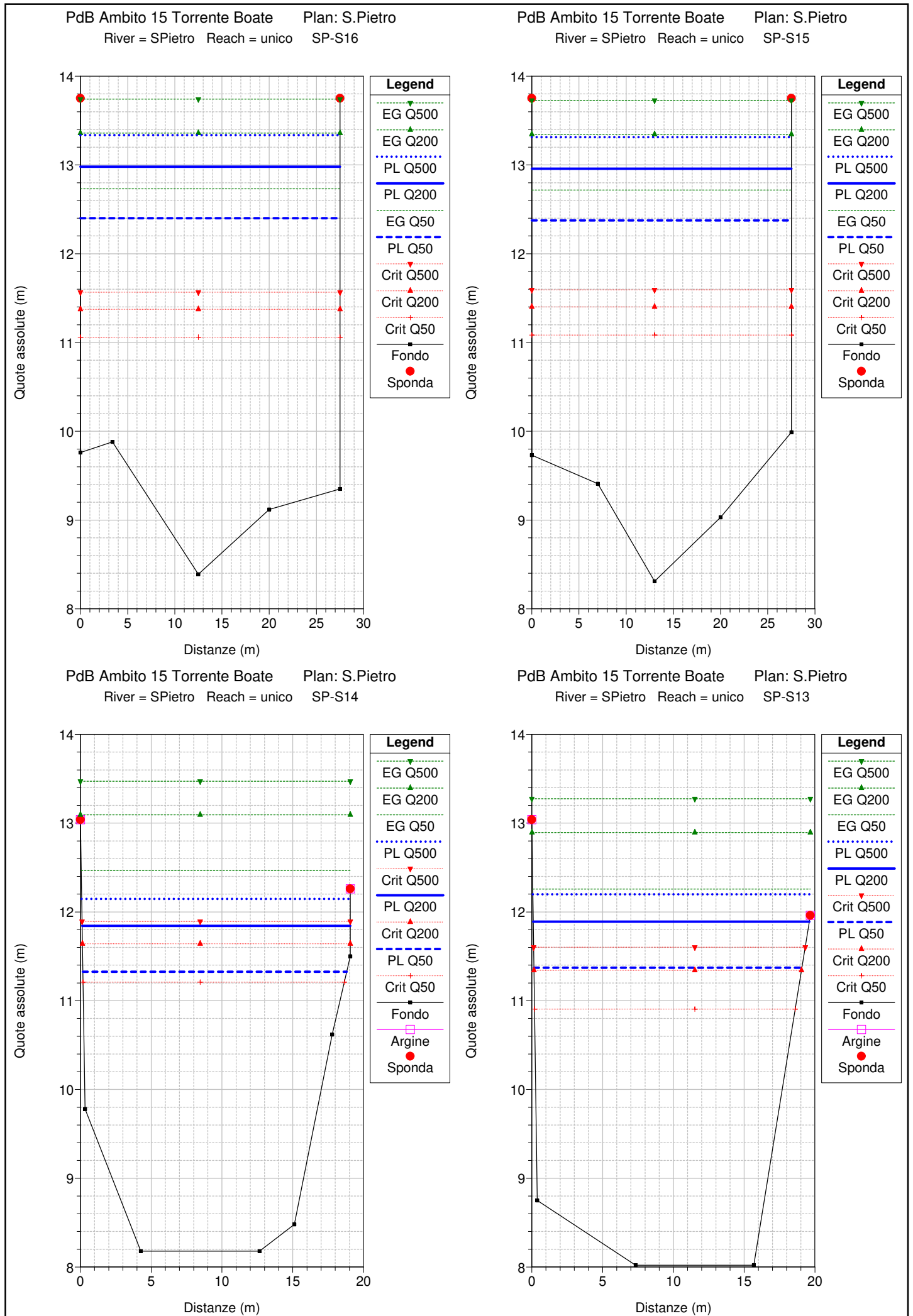


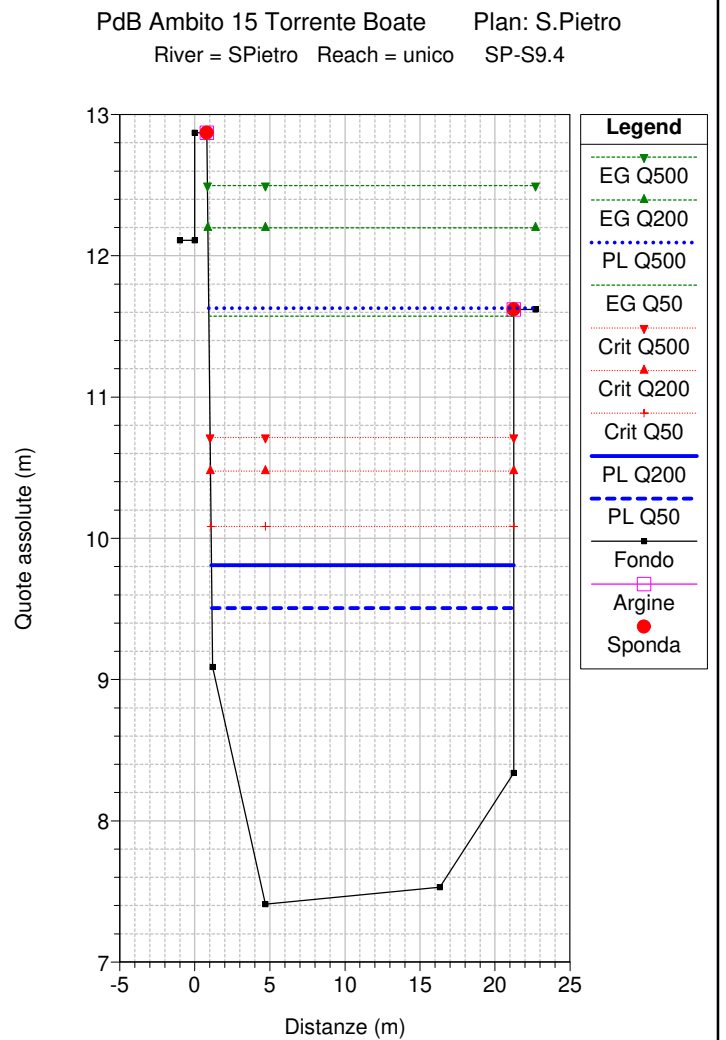
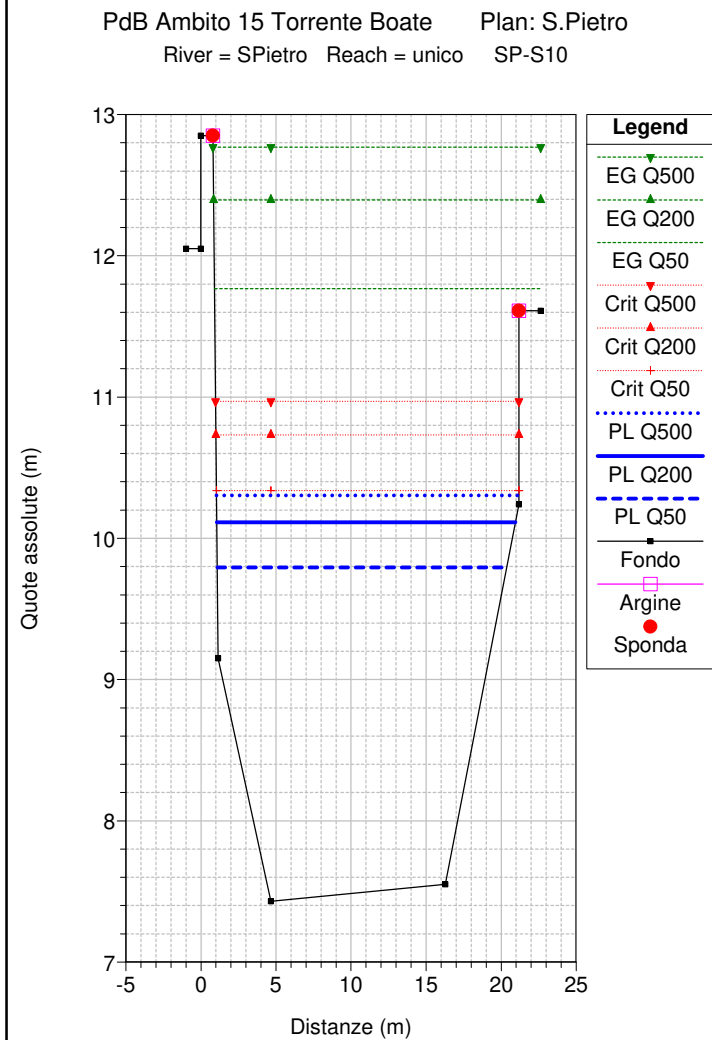
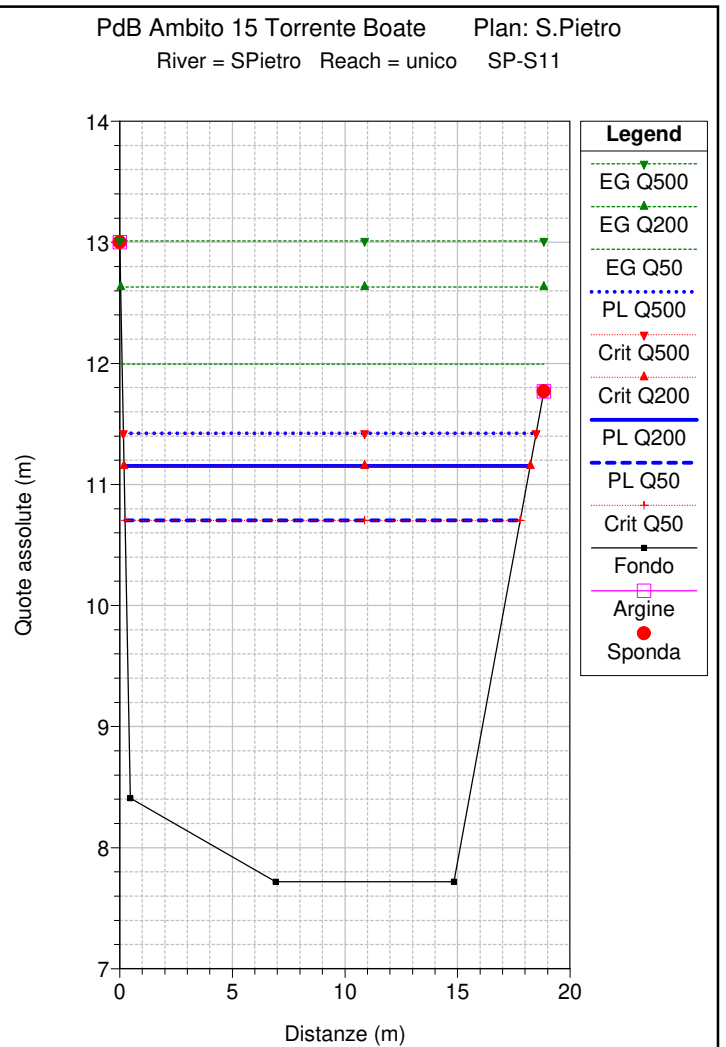
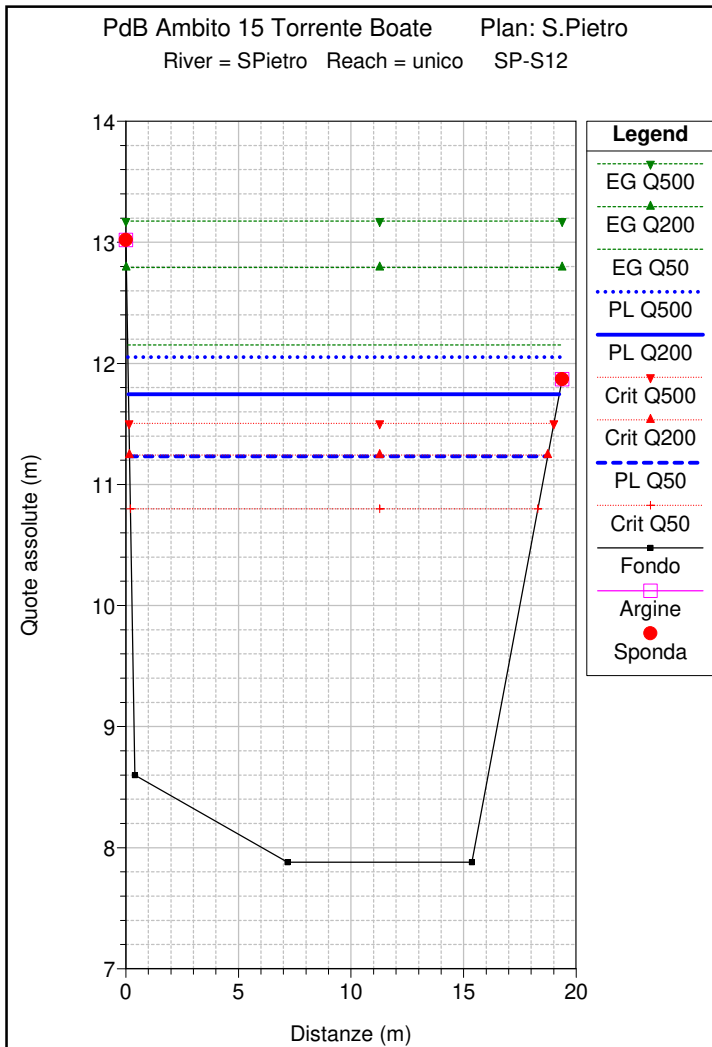


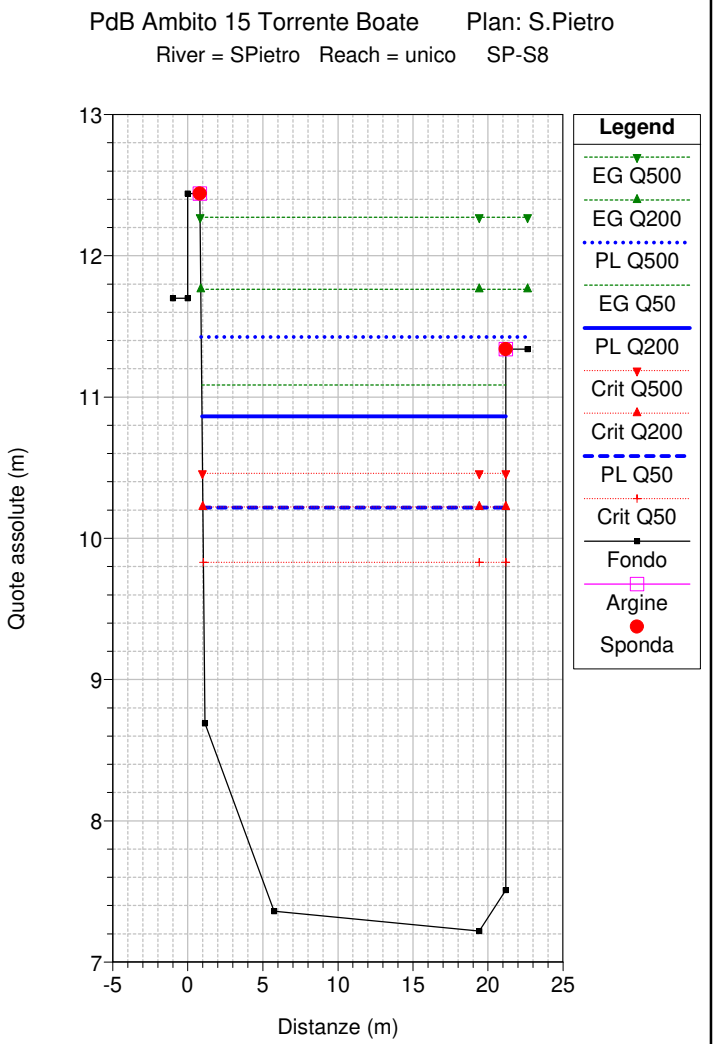
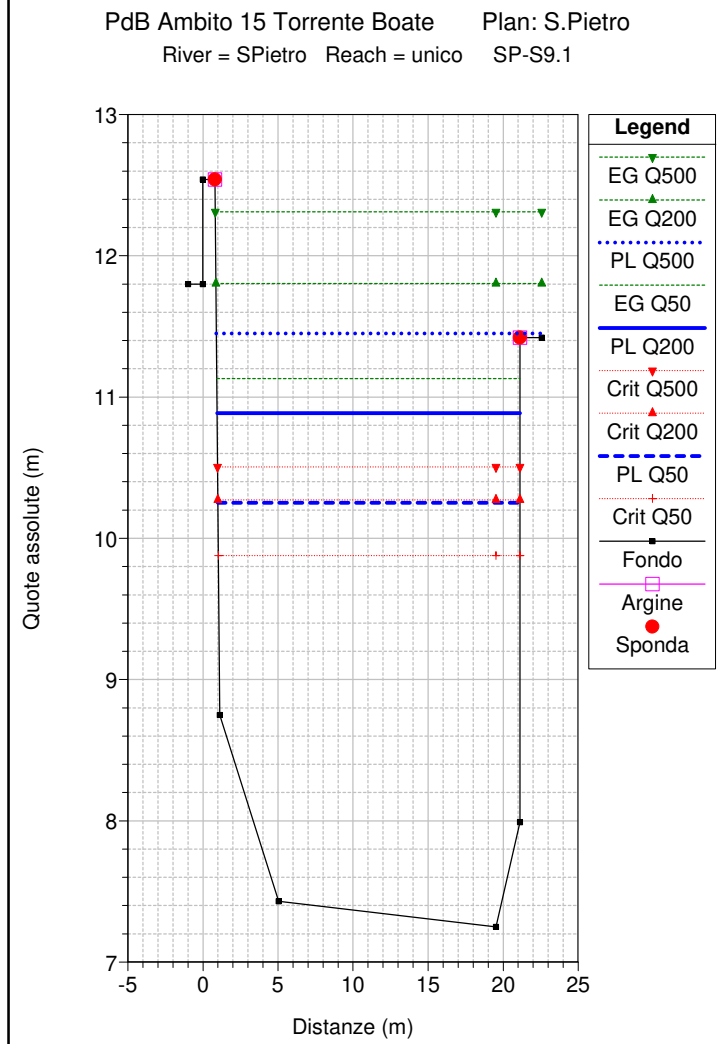
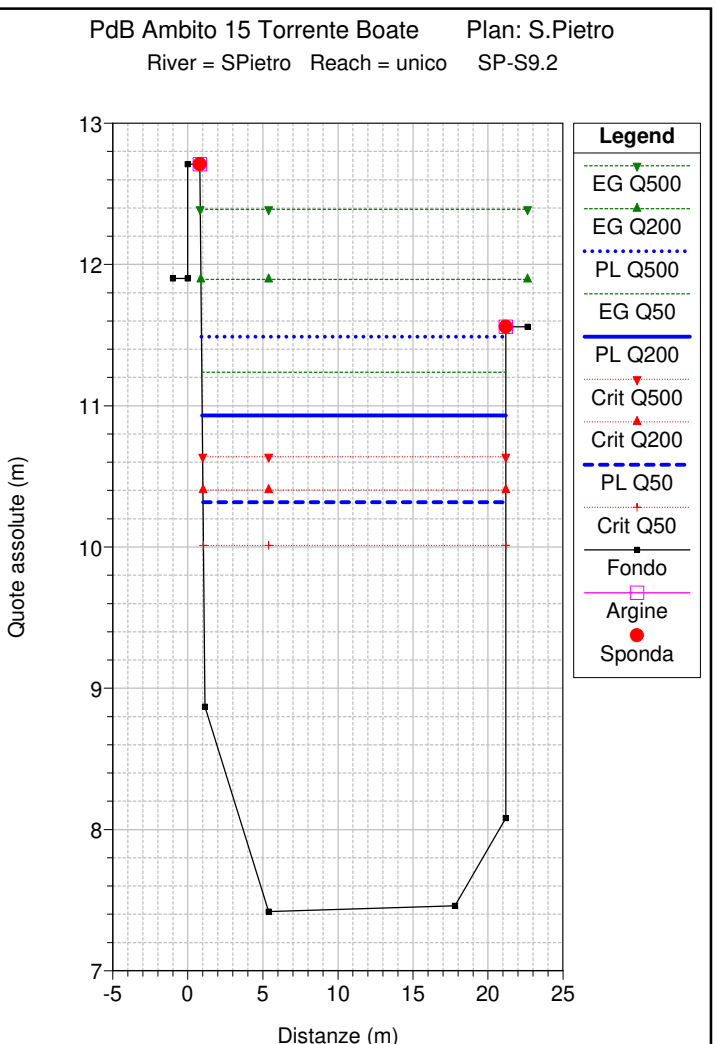
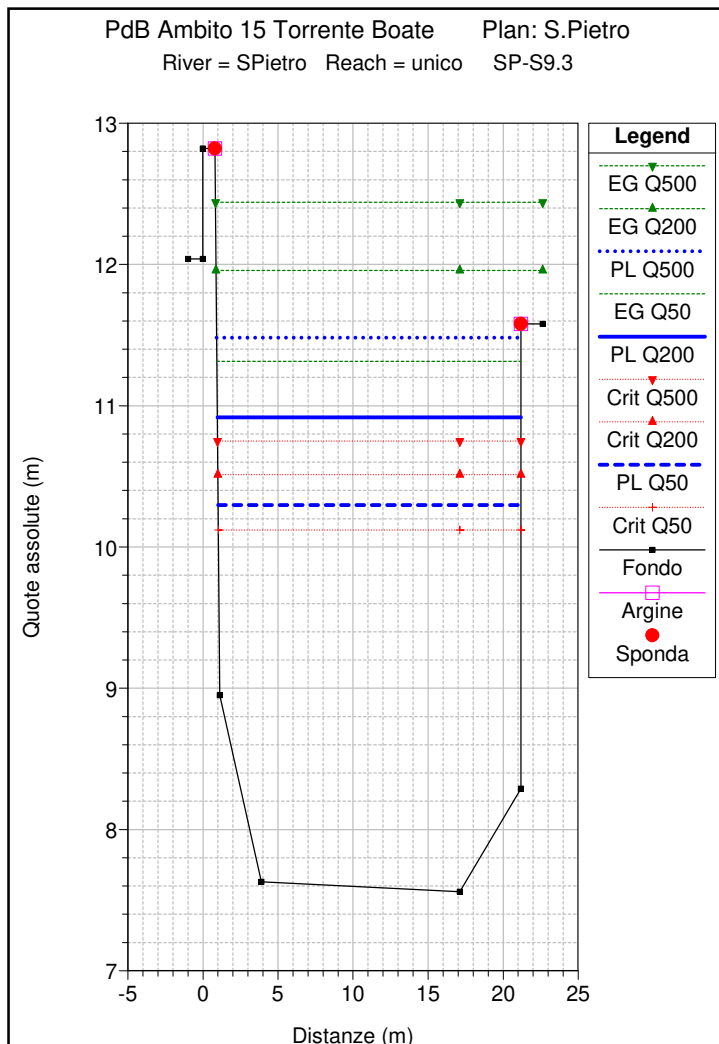


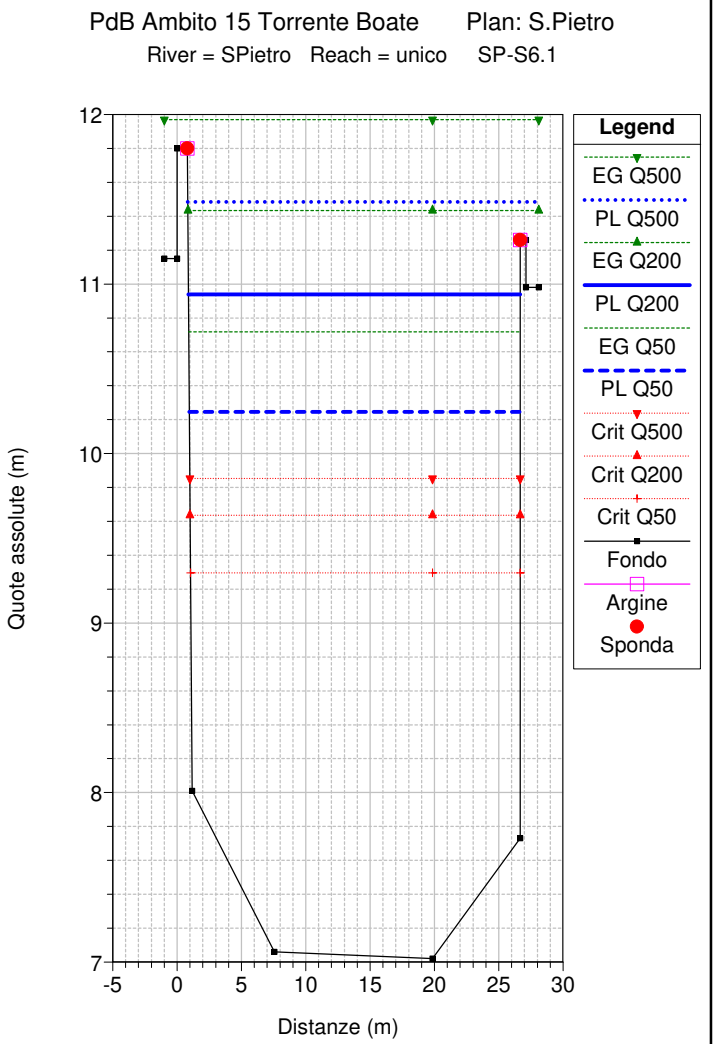
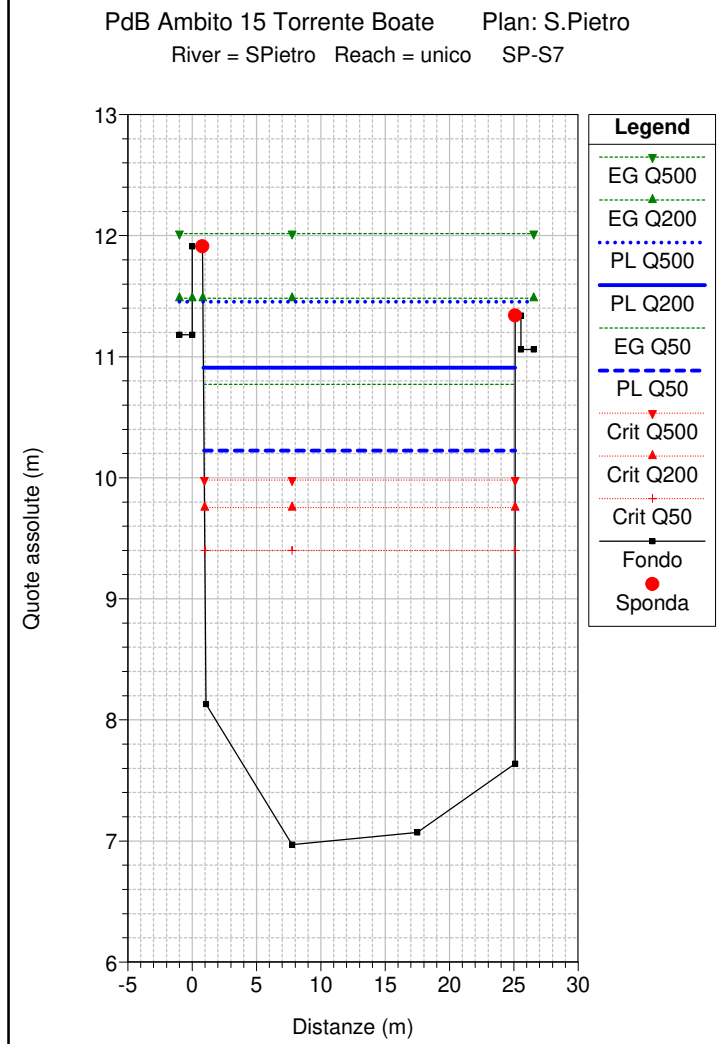
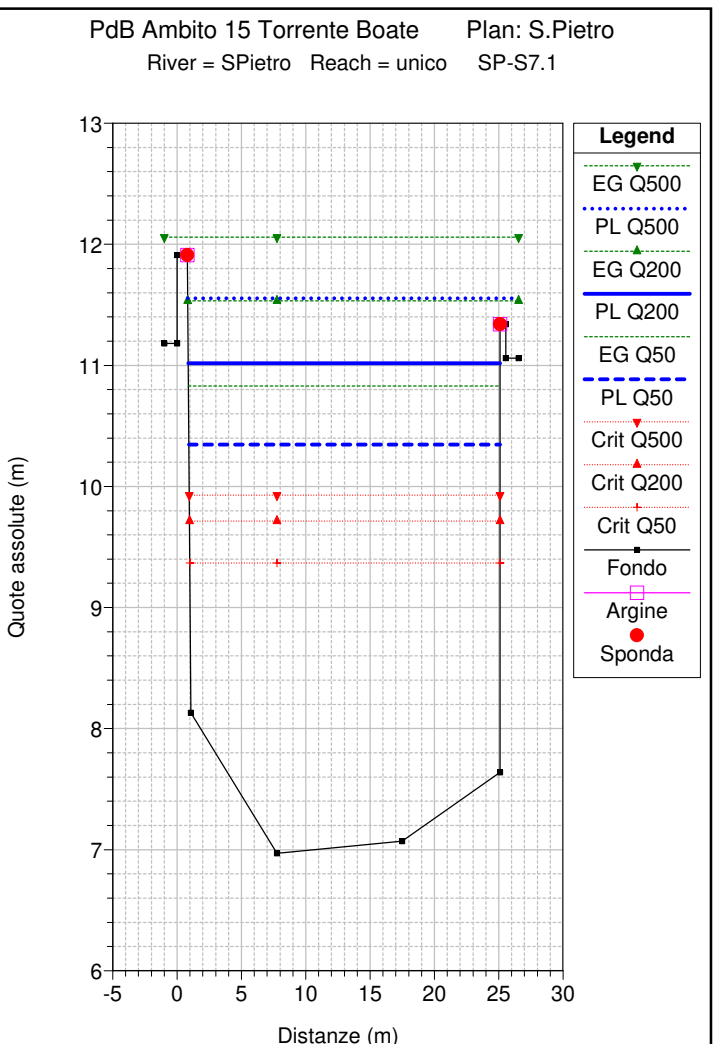
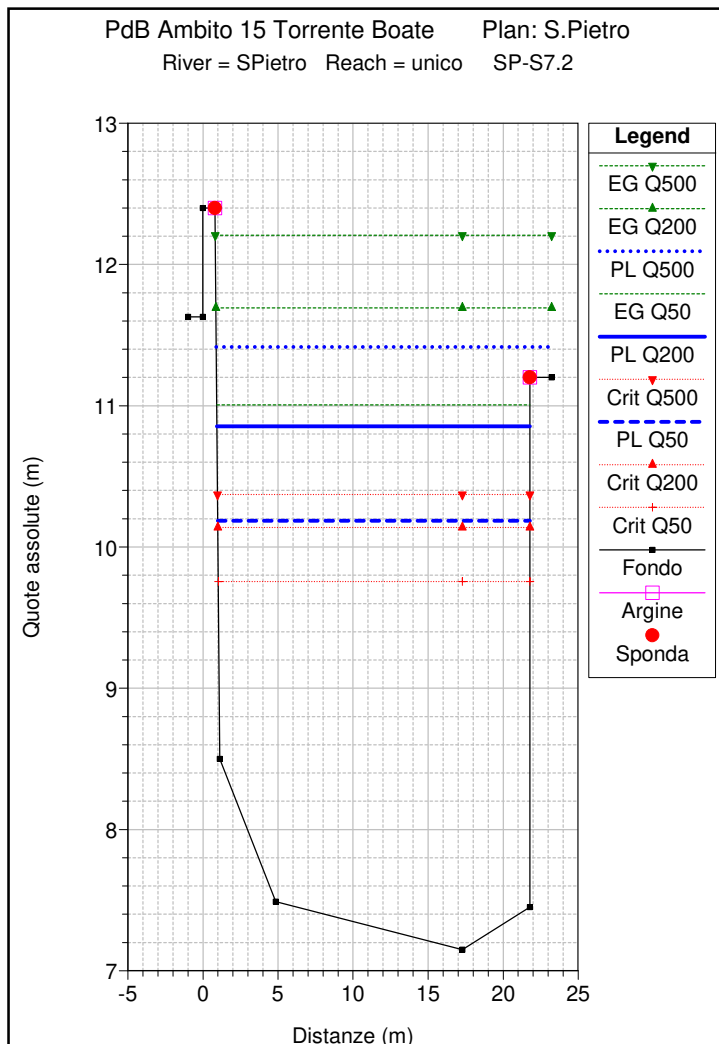


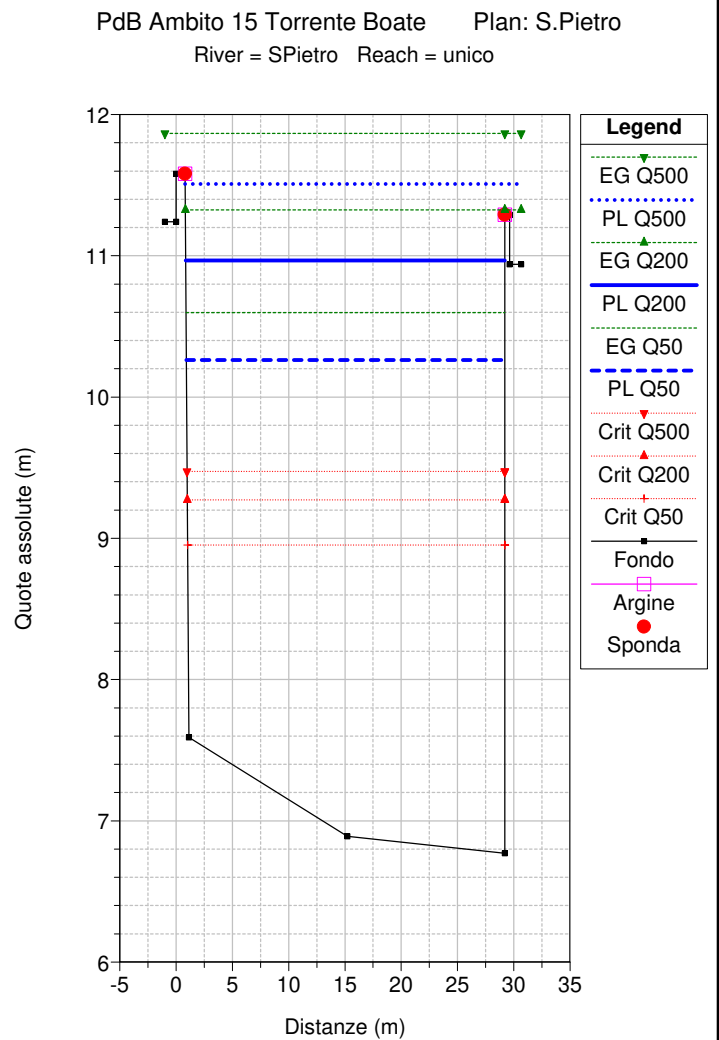
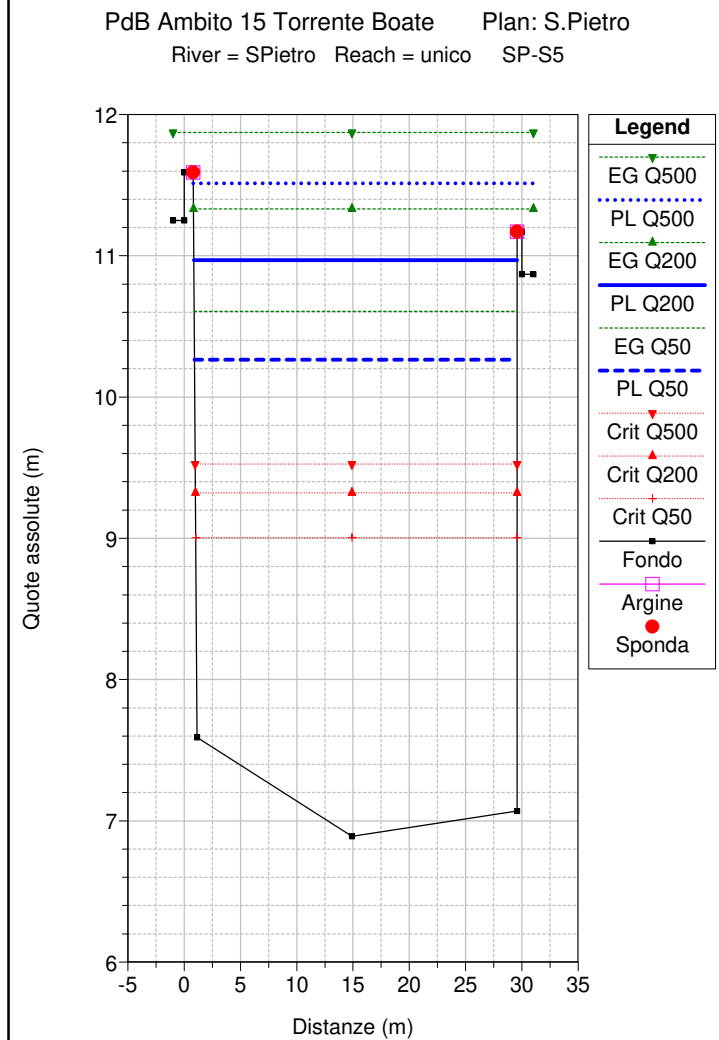
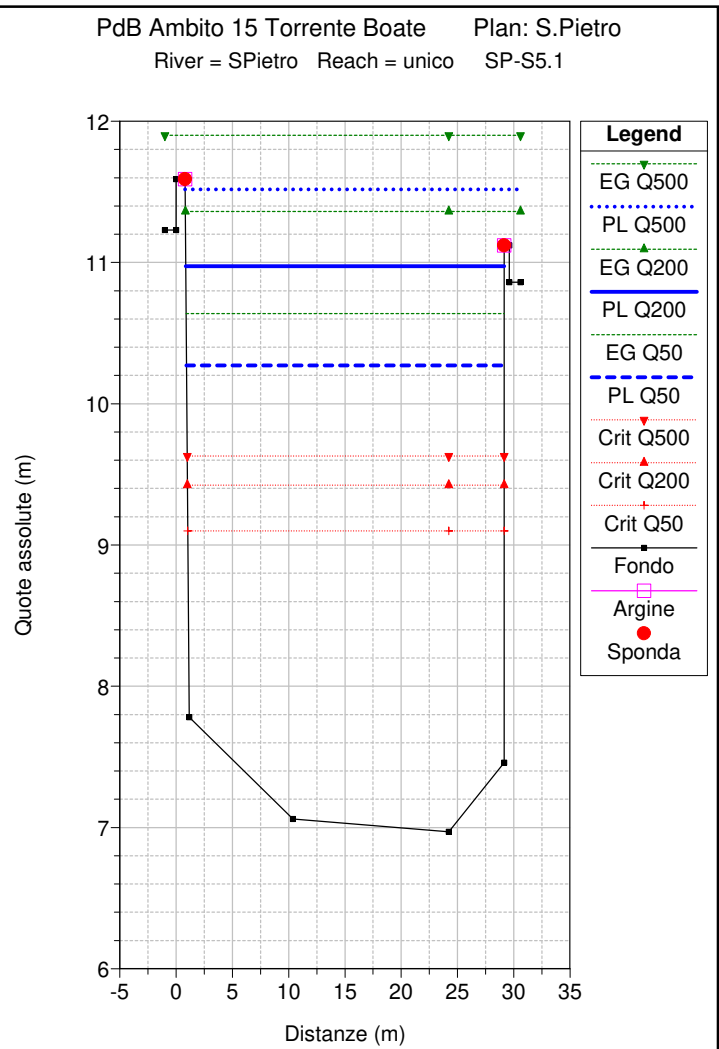
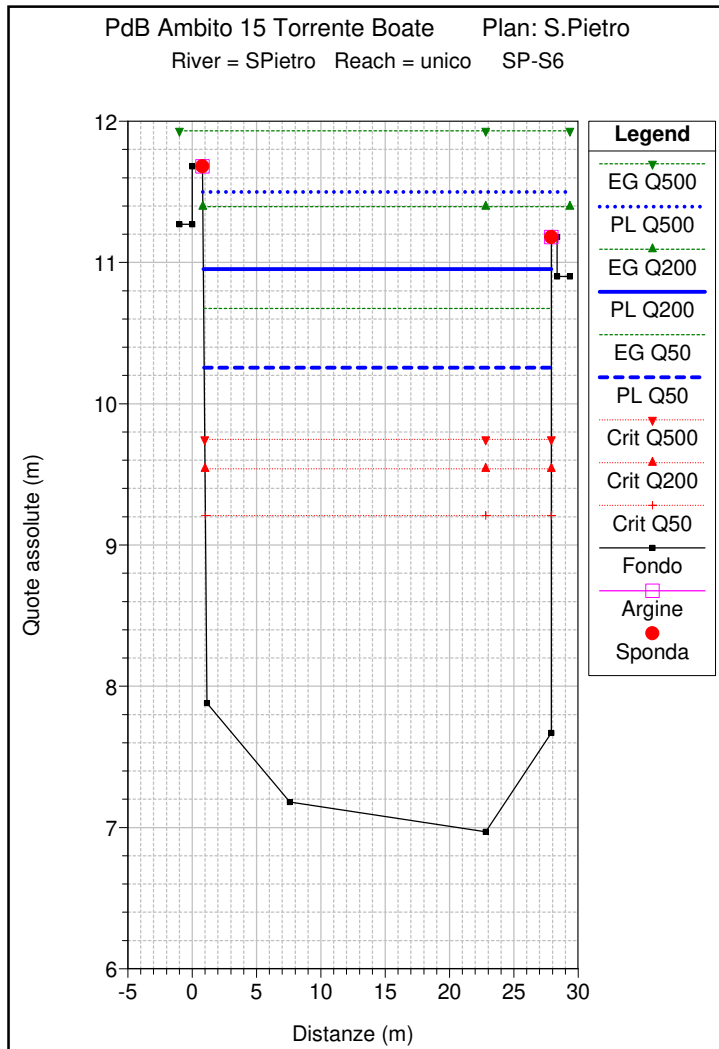


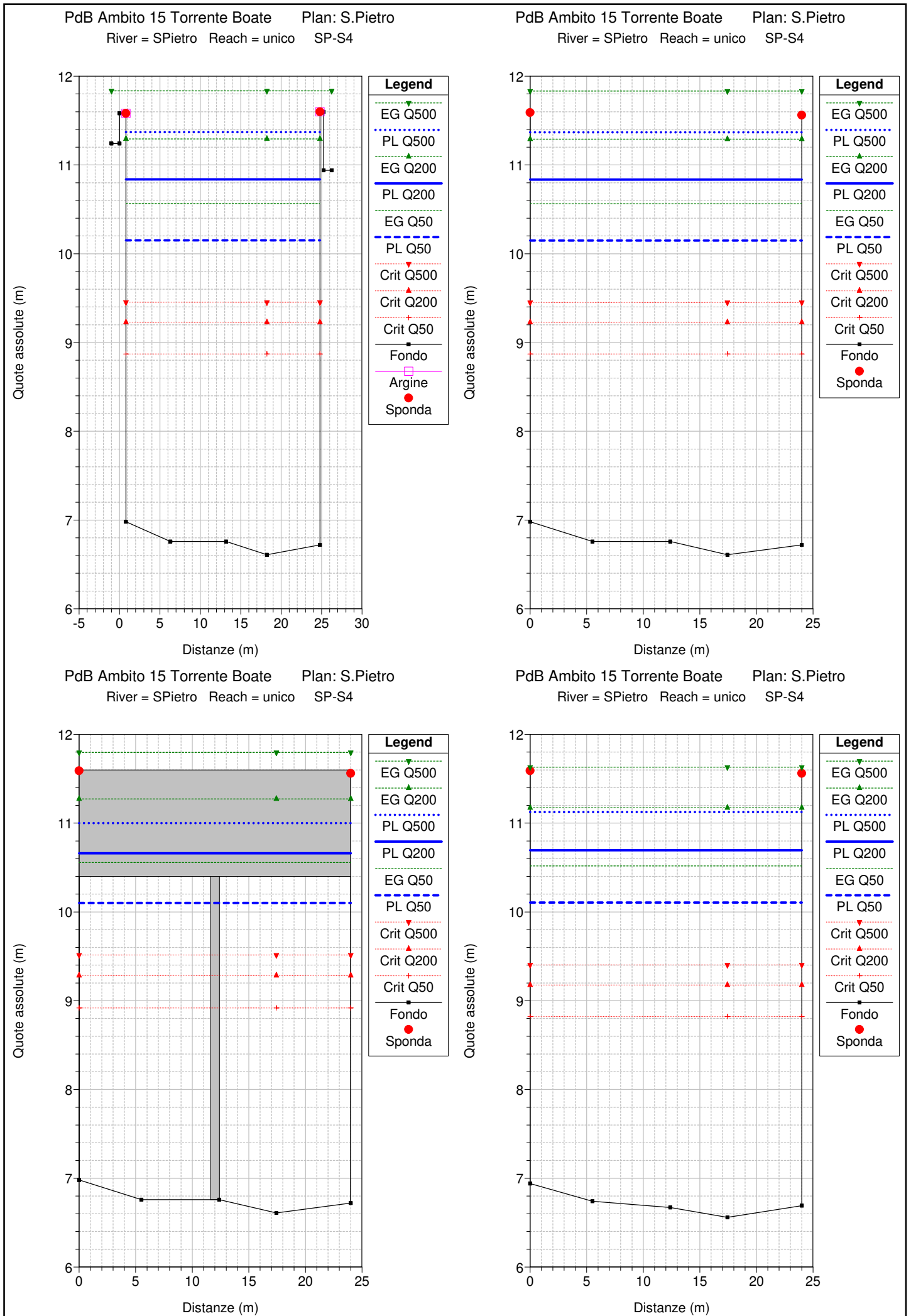


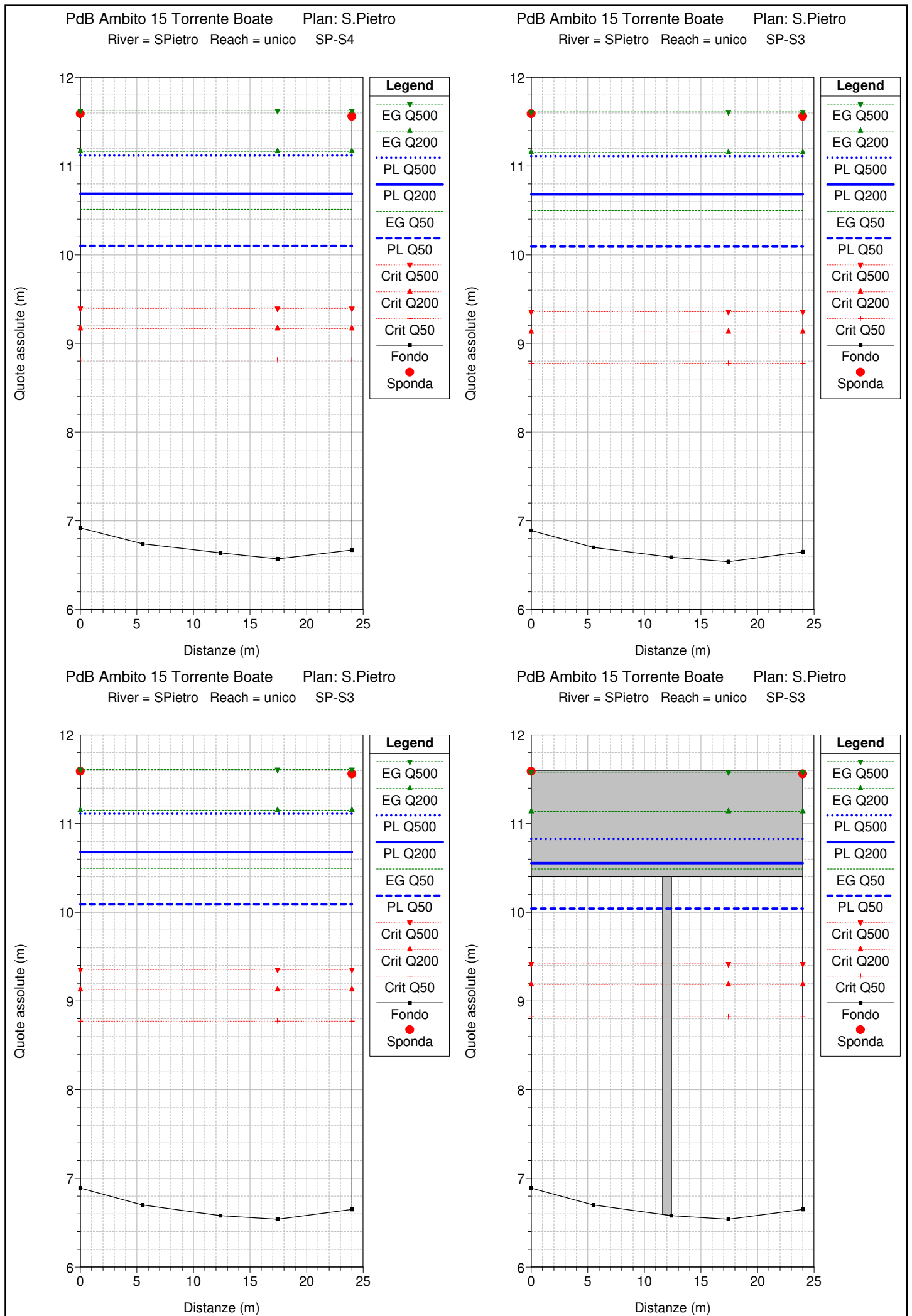


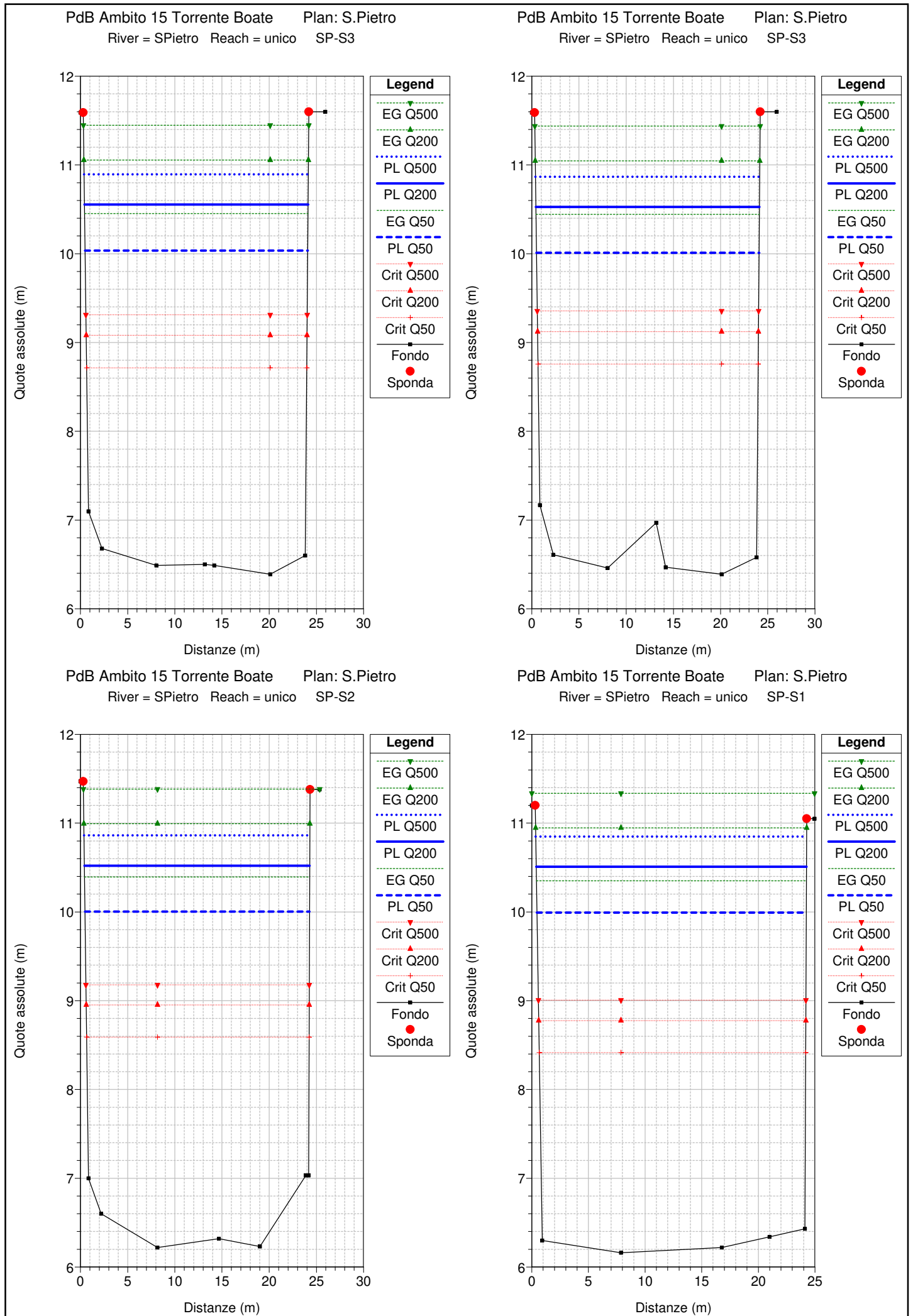












HEC-RAS Plan: San Pietro River: SPietro Reach: unico

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	126 SP_S53	Q50	228.00	26.35	29.98	31.92	1.94	31.91	1.93	29.49	30.82	0.003870	4.06	56.16	19.92	0.77
unico	126 SP_S53	Q200	287.00	26.35	30.50	31.92	1.42	31.91	1.41	29.92	31.44	0.003728	4.30	66.76	20.83	0.77
unico	126 SP_S53	Q500	325.00	26.35	30.81	31.92	1.11	31.91	1.10	30.17	31.81	0.003657	4.43	73.33	21.37	0.76
unico	125 SP_S52	Q50	228.00	26.16	29.54	31.66	2.12	31.76	2.22	29.45	30.72	0.006005	4.80	47.49	18.34	0.95
unico	125 SP_S52	Q200	287.00	26.16	29.99	31.66	1.67	31.76	1.77	29.90	31.33	0.005938	5.13	55.96	19.15	0.96
unico	125 SP_S52	Q500	325.00	26.16	30.24	31.66	1.42	31.76	1.52	30.17	31.70	0.006036	5.35	60.71	19.58	0.97
unico	124 SP_S51	Q50	228.00	25.90	29.56	31.82	2.26	32.05	2.49	29.23	30.59	0.004767	4.50	50.63	17.58	0.85
unico	124 SP_S51	Q200	287.00	25.90	29.98	31.82	1.84	32.05	2.07	29.70	31.22	0.005112	4.94	58.11	18.27	0.88
unico	124 SP_S51	Q500	325.00	25.90	30.20	31.82	1.62	32.05	1.85	29.98	31.59	0.005402	5.22	62.24	18.64	0.91
unico	123 SP_S50	Q50	228.00	25.68	29.13	31.68	2.55	30.95	1.82	29.13	30.41	0.006846	5.02	45.42	17.75	1.00
unico	123 SP_S50	Q200	287.00	25.68	29.59	31.68	2.09	30.95	1.36	29.59	31.04	0.006643	5.33	53.87	18.55	1.00
unico	123 SP_S50	Q500	325.00	25.68	29.86	31.68	1.82	30.95	1.09	29.86	31.41	0.006586	5.51	58.96	19.02	1.00
unico	122 SP_S49	Q50	228.00	25.52	28.37	29.31	0.94	29.11	0.74	28.71	30.09	0.010162	5.82	39.20	16.64	1.21
unico	122 SP_S49	Q200	287.00	25.52	28.82	29.31	0.49	29.11	0.29	29.19	30.73	0.009617	6.12	46.93	17.50	1.19
unico	122 SP_S49	Q500	325.00	25.52	29.09	29.31	0.22	29.11	0.02	29.51	31.10	0.009392	6.29	51.65	18.00	1.19
unico	121 SP_S48	Q50	228.00	25.33	27.71	29.31	1.60	29.03	1.32	28.26	29.68	0.013891	6.22	36.63	18.73	1.42
unico	121 SP_S48	Q200	287.00	25.33	28.03	29.31	1.28	29.03	1.00	28.69	30.32	0.013886	6.69	42.89	19.52	1.44
unico	121 SP_S48	Q500	325.00	25.33	28.23	29.31	1.08	29.03	0.80	28.94	30.69	0.013854	6.95	46.77	19.98	1.45
unico	120 SP_S47	Q50	228.00	25.25	27.26	29.70	2.44	28.94	1.68	27.91	29.43	0.018120	6.53	34.94	20.39	1.59
unico	120 SP_S47	Q200	287.00	25.25	27.54	29.70	2.16	28.94	1.40	28.30	30.06	0.017874	7.03	40.84	20.90	1.61
unico	120 SP_S47	Q500	325.00	25.25	27.72	29.70	1.98	28.94	1.22	28.54	30.44	0.017684	7.30	44.51	21.21	1.61
unico	119 SP_S46	Q50	228.00	24.63	27.69	29.75	2.06	28.08	0.39	27.69	28.89	0.007037	4.87	47.17	20.41	0.99
unico	119 SP_S46	Q200	287.00	24.63	28.16	29.75	1.59	28.08	-0.08	28.16	29.48	0.006544	5.11	57.27	22.91	0.96
unico	119 SP_S46	Q500	325.00	24.63	28.43	29.75	1.32	28.08	-0.35	28.43	29.82	0.006251	5.25	63.70	24.40	0.95
unico	118 SP_S45	Q50	228.00	22.06	24.98	29.77	4.79	28.07	3.09	26.07	28.60	0.029786	8.43	27.06	15.10	2.01
unico	118 SP_S45	Q200	287.00	22.06	25.38	29.77	4.39	28.07	2.69	26.55	29.18	0.025779	8.63	33.24	15.62	1.89
unico	118 SP_S45	Q500	325.00	22.06	25.63	29.77	4.14	28.07	2.44	26.84	29.52	0.023807	8.73	37.21	15.95	1.83
unico	117 SP_S44	Q50	228.00	21.98	24.00	27.02	3.02	27.20	3.20	25.20	28.19	0.041550	9.07	25.13	16.72	2.36
unico	117 SP_S44	Q200	287.00	21.98	24.31	27.02	2.71	27.20	2.89	25.63	28.81	0.036751	9.39	30.57	17.45	2.26
unico	117 SP_S44	Q500	325.00	21.98	24.51	27.02	2.51	27.20	2.69	25.89	29.16	0.034378	9.55	34.02	17.90	2.21
unico	116 SP_S43	Q50	228.00	21.65	24.55	26.53	1.98	26.52	1.97	25.02	26.54	0.012128	6.25	36.48	15.10	1.28
unico	116 SP_S43	Q200	287.00	21.65	25.03	26.53	1.50	26.52	1.49	25.52	27.20	0.011337	6.52	43.99	15.83	1.25
unico	116 SP_S43	Q500	325.00	21.65	25.36	26.53	1.17	26.52	1.16	25.81	27.58	0.010607	6.60	49.24	16.32	1.21
unico	115 SP_S42	Q50	228.00	21.48	24.46	26.40	1.94	26.42	1.96	24.83	26.27	0.010869	5.96	38.26	15.59	1.21
unico	115 SP_S42	Q200	287.00	21.48	24.82	26.40	1.58	26.42	1.60	25.31	26.99	0.011549	6.52	44.03	16.11	1.26
unico	115 SP_S42	Q500	325.00	21.48	25.13	26.40	1.27	26.42	1.29	25.61	27.37	0.010978	6.64	48.96	16.53	1.23
unico	114 SP_S41	Q50	228.00	21.35	24.70	26.04	1.34	25.98	1.28	24.70	26.06	0.007244	5.16	44.19	16.27	1.00
unico	114 SP_S41	Q200	287.00	21.35	25.18	26.04	0.86	25.98	0.80	25.18	26.73	0.007178	5.50	52.16	16.91	1.00
unico	114 SP_S41	Q500	325.00	21.35	25.47	26.04	0.57	25.98	0.51	25.47	27.12	0.007126	5.69	57.13	17.30	1.00

HEC-RAS Plan: San Pietro River: SPietro 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	113.1 SP_S40	Q50	228.00	18.97	20.74	23.24	2.50	23.15	2.41	21.46	23.17	0.030316	6.90	33.03	27.67	2.02
unico	113.1 SP_S40	Q200	287.00	18.97	20.91	23.24	2.33	23.15	2.24	21.78	23.85	0.031412	7.58	37.84	28.13	2.09
unico	113.1 SP_S40	Q500	325.00	18.97	21.02	23.24	2.22	23.15	2.13	21.97	24.25	0.031612	7.96	40.85	28.28	2.11
unico	113 SP_S40		Bridge													
unico	112.9 SP_S40	Q50	228.00	18.97	20.94	23.24	2.30	23.15	2.21	21.46	22.71	0.018421	5.89	38.73	28.18	1.60
unico	112.9 SP_S40	Q200	287.00	18.97	21.10	23.24	2.14	23.15	2.05	21.78	23.36	0.020759	6.65	43.13	28.38	1.72
unico	112.9 SP_S40	Q500	325.00	18.97	21.20	23.24	2.04	23.15	1.95	21.97	23.75	0.021729	7.07	46.00	28.52	1.78
unico	112 SP_S39	Q50	228.00	16.53	20.50	22.02	1.52	22.06	1.56	20.50	21.74	0.006666	4.95	46.09	18.46	1.00
unico	112 SP_S39	Q200	287.00	16.53	20.97	22.02	1.05	22.06	1.09	20.97	22.35	0.006473	5.21	55.12	19.91	1.00
unico	112 SP_S39	Q500	325.00	16.53	21.23	22.02	0.79	22.06	0.83	21.23	22.70	0.006395	5.38	60.46	20.53	1.00
unico	111.2 SP_S38.2	Q50	228.00	16.16	18.66	21.70	3.04	20.72	2.06	19.22	20.64	0.013965	6.24	36.57	17.90	1.39
unico	111.2 SP_S38.2	Q200	287.00	16.16	20.11	21.70	1.59	20.72	0.61	19.62	21.12	0.004252	4.44	64.59	19.61	0.78
unico	111.2 SP_S38.2	Q500	325.00	16.16	20.57	21.70	1.13	20.72	0.15	19.86	21.56	0.003725	4.42	73.47	19.62	0.73
unico	111.1 SP_S38	Q50	228.00	15.95	18.34	20.70	2.36	20.72	2.38	18.97	20.54	0.017460	6.57	34.68	19.22	1.56
unico	111.1 SP_S38	Q200	287.00	15.95	20.23	20.70	0.47	20.72	0.49	19.37	21.05	0.003106	4.01	71.65	19.62	0.67
unico	111.1 SP_S38	Q500	325.00	15.95	20.66	20.70	0.04	20.72	0.06	19.61	21.50	0.002866	4.05	80.18	19.62	0.64
unico	111 SP_S38		Bridge													
unico	110.9 SP_S38	Q50	228.00	15.95	19.58	20.70	1.12	20.72	1.14	18.97	20.34	0.003502	3.87	58.94	19.61	0.71
unico	110.9 SP_S38	Q200	287.00	15.95	20.08	20.70	0.62	20.72	0.64	19.37	20.97	0.003502	4.17	68.80	19.62	0.71
unico	110.9 SP_S38	Q500	325.00	15.95	20.41	20.70	0.29	20.72	0.31	19.61	21.36	0.003442	4.32	75.30	19.62	0.70
unico	110.7 SP_S37.6	Q50	228.00	15.96	19.10	20.50	1.40	20.52	1.42	19.02	20.22	0.006266	4.68	48.73	19.61	0.95
unico	110.7 SP_S37.6	Q200	287.00	15.96	19.76	20.50	0.74	20.52	0.76	19.42	20.87	0.004918	4.67	61.51	19.62	0.84
unico	110.7 SP_S37.6	Q500	325.00	15.96	20.13	20.50	0.37	20.52	0.39	19.66	21.27	0.004515	4.72	68.83	19.62	0.80
unico	110.2 SP_S37.3	Q50	228.00	15.08	19.41	18.70	-0.71	19.56	0.15	17.93	19.79	0.001359	2.75	87.06	31.14	0.46
unico	110.2 SP_S37.3	Q200	287.00	15.08	20.08	18.70	-1.38	19.56	-0.52	18.32	20.47	0.001186	2.83	107.91	31.15	0.43
unico	110.2 SP_S37.3	Q500	325.00	15.08	20.48	18.70	-1.78	19.56	-0.92	18.56	20.88	0.001115	2.88	120.35	31.15	0.42
unico	110.1 SP_S37	Q50	228.00	14.88	19.36	18.50	-0.86	19.36	0.00	17.86	19.76	0.001422	2.84	84.82	29.35	0.47
unico	110.1 SP_S37	Q200	287.00	14.88	20.03	18.50	-1.53	19.36	-0.67	18.28	20.45	0.001265	2.94	104.42	29.35	0.44
unico	110.1 SP_S37	Q500	325.00	14.88	20.43	18.50	-1.93	19.36	-1.07	18.68	20.86	0.001200	3.00	116.08	29.35	0.43
unico	110 SP_S37		Bridge													
unico	109.9 SP_S37	Q50	228.00	14.88	17.86	18.50	0.64	19.36	1.50	17.86	19.07	0.007011	4.86	46.92	19.51	1.00
unico	109.9 SP_S37	Q200	287.00	14.88	18.28	18.50	0.22	19.36	1.08	18.28	19.66	0.006883	5.21	55.14	19.98	1.00
unico	109.9 SP_S37	Q500	325.00	14.88	18.68	18.50	-0.18	19.36	0.68	18.68	20.01	0.005786	5.12	64.80	29.31	0.93
unico	109.5 SP_S36.5	Q50	228.00	14.82	16.44	19.59	3.15	19.53	3.09	17.16	18.88	0.030793	6.92	32.94	26.89	2.00
unico	109.5 SP_S36.5	Q200	287.00	14.82	16.65	19.59	2.94	19.53	2.88	17.48	19.46	0.029173	7.42	38.67	26.91	1.98
unico	109.5 SP_S36.5	Q500	325.00	14.82	16.79	19.59	2.80	19.53	2.74	17.67	19.79	0.027974	7.67	42.35	26.93	1.95
unico	109.1 SP_S36	Q50	228.00	14.22	17.30	18.99	1.69	18.93	1.63	16.56	17.81	0.002535	3.15	72.48	27.07	0.61
unico	109.1 SP_S36	Q200	287.00	14.22	17.76	18.99	1.23	18.93	1.17	16.88	18.34	0.002474	3.39	84.78	27.13	0.61

HEC-RAS Plan: San Pietro River: SPietro 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	109.1 SP_S36	Q500	325.00	14.22	18.04	18.99	0.95	18.93	0.89	17.08	18.67	0.002435	3.52	92.43	27.16	0.61
unico	109		Bridge													
unico	108.9 SP_S36	Q50	228.00	14.22	17.13	18.99	1.86	18.93	1.80	16.56	17.70	0.003136	3.37	67.68	27.05	0.68
unico	108.9 SP_S36	Q200	287.00	14.22	17.58	18.99	1.41	18.93	1.35	16.88	18.24	0.002963	3.59	79.96	27.10	0.67
unico	108.9 SP_S36	Q500	325.00	14.22	17.86	18.99	1.13	18.93	1.07	17.08	18.56	0.002869	3.71	87.61	27.14	0.66
unico	108.1 SP_S35	Q50	228.00	13.60	15.95	17.62	1.67	18.15	2.20	15.95	17.09	0.007268	4.73	48.23	21.18	1.00
unico	108.1 SP_S35	Q200	287.00	13.60	16.33	17.62	1.29	18.15	1.82	16.33	17.65	0.007118	5.09	56.41	21.35	1.00
unico	108.1 SP_S35	Q500	325.00	13.60	16.56	17.62	1.06	18.15	1.59	16.56	18.00	0.007077	5.30	61.33	21.46	1.00
unico	108 SP_S35	Q50	228.00	12.25	13.75	17.62	3.87	18.15	4.40	14.67	16.88	0.034613	7.83	29.13	20.50	2.10
unico	108 SP_S35	Q200	287.00	12.25	14.05	17.62	3.57	18.15	4.10	15.05	17.43	0.030107	8.14	35.24	20.61	1.99
unico	108 SP_S35	Q500	325.00	12.25	14.23	17.62	3.39	18.15	3.92	15.29	17.77	0.028116	8.33	39.00	20.68	1.94
unico	107.1 SP_S34	Q50	228.00	12.10	15.12	17.89	2.77	17.84	2.72	14.60	15.89	0.003943	3.90	58.52	20.88	0.74
unico	107.1 SP_S34	Q200	287.00	12.10	15.56	17.89	2.33	17.84	2.28	14.99	16.47	0.003998	4.23	67.84	21.03	0.75
unico	107.1 SP_S34	Q500	325.00	12.10	15.83	17.89	2.06	17.84	2.01	15.23	16.83	0.004040	4.42	73.46	21.12	0.76
unico	107		Bridge													
unico	106.9 SP_S34	Q50	228.00	12.10	14.97	17.89	2.92	17.84	2.87	14.60	15.83	0.004620	4.10	55.55	20.83	0.80
unico	106.9 SP_S34	Q200	287.00	12.10	15.41	17.89	2.48	17.84	2.43	14.99	16.41	0.004601	4.43	64.74	20.98	0.81
unico	106.9 SP_S34	Q500	325.00	12.10	15.68	17.89	2.21	17.84	2.16	15.23	16.77	0.004615	4.63	70.26	21.07	0.81
unico	33 SP-S33	Q50	228.00	11.02	13.99	16.15	2.16	15.92	1.93	13.99	15.14	0.007235	4.75	47.97	20.81	1.00
unico	33 SP-S33	Q200	287.00	11.02	14.37	16.15	1.78	15.92	1.55	14.37	15.71	0.007102	5.12	56.09	21.00	1.00
unico	33 SP-S33	Q500	325.00	11.02	14.61	16.15	1.54	15.92	1.31	14.61	16.05	0.007043	5.32	61.05	21.11	1.00
unico	32.3	Q50	228.00	10.69	13.88	15.32	1.44	14.93	1.05	13.12	14.49	0.002936	3.46	65.97	22.20	0.64
unico	32.3	Q200	287.00	10.69	14.34	15.32	0.98	14.93	0.59	13.48	15.07	0.003012	3.77	76.14	22.20	0.65
unico	32.3	Q500	325.00	10.69	14.62	15.32	0.70	14.93	0.31	13.71	15.42	0.003043	3.94	82.44	22.20	0.65
unico	32.2	Q50	228.00	10.69	13.88	15.32	1.44	14.93	1.05	13.12	14.49	0.002957	3.46	65.81	22.20	0.64
unico	32.2	Q200	287.00	10.69	14.34	15.32	0.98	14.93	0.59	13.48	15.06	0.003022	3.77	76.06	22.20	0.65
unico	32.2	Q500	325.00	10.69	14.62	15.32	0.70	14.93	0.31	13.71	15.41	0.003052	3.95	82.36	22.20	0.65
unico	32.15		Bridge													
unico	32.1	Q50	228.00	10.69	12.72	15.32	2.60	14.93	2.21	13.12	14.36	0.013659	5.68	40.16	22.20	1.35
unico	32.1	Q200	287.00	10.69	13.97	15.32	1.35	14.93	0.96	13.48	14.88	0.004277	4.23	67.81	22.20	0.77
unico	32.1	Q500	325.00	10.69	14.28	15.32	1.04	14.93	0.65	13.71	15.24	0.004078	4.35	74.78	22.20	0.76
unico	32 SP-S32	Q50	228.00	10.69	13.41	15.32	1.91	14.93	1.52	13.12	14.27	0.004966	4.10	55.57	22.20	0.83
unico	32 SP-S32	Q200	287.00	10.69	13.92	15.32	1.40	14.93	1.01	13.48	14.86	0.004493	4.30	66.73	22.20	0.79
unico	32 SP-S32	Q500	325.00	10.69	14.24	15.32	1.08	14.93	0.69	13.71	15.23	0.004236	4.40	73.85	22.20	0.77
unico	31 SP-S31	Q50	228.00	10.02	13.39	14.00	0.61	14.47	1.08	12.67	13.99	0.002788	3.43	66.42	23.80	0.66
unico	31 SP-S31	Q200	287.00	10.02	13.92	14.00	0.08	14.47	0.55	13.04	14.59	0.002617	3.62	79.18	24.42	0.64
unico	31 SP-S31	Q500	325.00	10.02	14.26	14.00	-0.26	14.47	0.21	13.26	14.96	0.002492	3.72	87.43	24.56	0.63

HEC-RAS Plan: San Pietro River: SPietro Reach: unico (Continued)

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
				(m ³ /s)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m ²)	(m)	
unico	30	SP-S30	Q50	228.00	9.90	13.32	15.00	1.68	14.70	1.38	12.64	13.90	0.002784	3.38	67.52	24.97	0.66
unico	30	SP-S30	Q200	287.00	9.90	13.86	15.00	1.14	14.70	0.84	12.99	14.50	0.002506	3.53	81.28	25.27	0.63
unico	30	SP-S30	Q500	325.00	9.90	14.21	15.00	0.79	14.70	0.49	13.19	14.87	0.002357	3.61	90.08	25.47	0.61
unico	29	SP-S29	Q50	228.00	9.80	13.00	14.21	1.21	14.60	1.60	12.69	13.82	0.004392	4.00	56.98	23.35	0.82
unico	29	SP-S29	Q200	287.00	9.80	13.60	14.21	0.61	14.60	1.00	13.05	14.43	0.003554	4.04	71.01	23.56	0.74
unico	29	SP-S29	Q500	325.00	9.80	13.96	14.21	0.25	14.60	0.64	13.27	14.81	0.003238	4.09	79.53	23.69	0.71
unico	28	SP-S28	Q50	228.00	9.71	12.82	14.48	1.66	14.50	1.68	12.56	13.75	0.004907	4.27	53.37	20.87	0.85
unico	28	SP-S28	Q200	287.00	9.71	13.35	14.48	1.13	14.50	1.15	12.95	14.36	0.004400	4.45	64.42	20.98	0.81
unico	28	SP-S28	Q500	325.00	9.71	13.70	14.48	0.78	14.50	0.80	13.18	14.74	0.004104	4.53	71.71	21.15	0.79
unico	27	SP-S27	Q50	228.00	9.57	12.66	14.00	1.34	14.37	1.71	12.48	13.64	0.005458	4.39	51.95	21.63	0.90
unico	27	SP-S27	Q200	287.00	9.57	13.29	14.00	0.71	14.37	1.08	12.89	14.25	0.004351	4.35	66.04	23.09	0.82
unico	27	SP-S27	Q500	325.00	9.57	13.68	14.00	0.32	14.37	0.69	13.13	14.63	0.003857	4.32	75.25	24.00	0.78
unico	26	SP-S26	Q50	228.00	9.52	12.76	14.00	1.24	14.32	1.56	12.36	13.54	0.004048	3.92	58.15	23.36	0.79
unico	26	SP-S26	Q200	287.00	9.52	13.38	14.00	0.62	14.32	0.94	12.76	14.17	0.003315	3.92	73.23	24.98	0.73
unico	26	SP-S26	Q500	325.00	9.52	13.77	14.00	0.23	14.32	0.55	12.99	14.55	0.002968	3.91	83.13	25.99	0.70
unico	25	SP-S25	Q50	228.00	9.29	12.87	14.00	1.13	14.10	1.23	11.93	13.35	0.002122	3.06	74.39	26.63	0.59
unico	25	SP-S25	Q200	287.00	9.29	13.49	14.00	0.51	14.10	0.61	12.30	13.99	0.001852	3.14	91.49	28.18	0.56
unico	25	SP-S25	Q500	325.00	9.29	13.88	14.00	0.12	14.10	0.22	12.52	14.39	0.001714	3.17	102.57	29.14	0.54
unico	24	SP-S24	Q50	228.00	9.26	12.86	14.00	1.14	14.06	1.20	11.91	13.34	0.002094	3.05	74.66	26.62	0.58
unico	24	SP-S24	Q200	287.00	9.26	13.49	14.00	0.51	14.06	0.57	12.28	13.99	0.001831	3.13	91.78	28.17	0.55
unico	24	SP-S24	Q500	325.00	9.26	13.87	14.00	0.13	14.06	0.19	12.50	14.38	0.001696	3.16	102.86	29.13	0.54
unico	23	SP-S23	Q50	228.00	9.18	12.86	14.00	1.14	13.98	1.12	11.68	13.31	0.001748	2.96	77.01	24.31	0.53
unico	23	SP-S23	Q200	287.00	9.18	13.47	14.00	0.53	13.98	0.51	12.06	13.96	0.001642	3.12	92.01	25.14	0.52
unico	23	SP-S23	Q500	325.00	9.18	13.84	14.00	0.16	13.98	0.14	12.29	14.36	0.001584	3.20	101.47	25.65	0.51
unico	22	SP-S22	Q50	228.00	9.09	12.76	14.00	1.24	13.89	1.13	11.71	13.28	0.002131	3.21	70.93	22.53	0.58
unico	22	SP-S22	Q200	287.00	9.09	13.35	14.00	0.65	13.89	0.54	12.11	13.94	0.002022	3.39	84.57	23.35	0.57
unico	22	SP-S22	Q500	325.00	9.09	13.72	14.00	0.28	13.89	0.17	12.35	14.34	0.001955	3.49	93.25	23.86	0.56
unico	21	SP-S21	Q50	228.00	9.01	12.47	14.00	1.53	13.81	1.34	11.80	13.23	0.003377	3.86	59.00	19.35	0.71
unico	21	SP-S21	Q200	287.00	9.01	13.02	14.00	0.98	13.81	0.79	12.22	13.88	0.003267	4.11	69.84	19.88	0.70
unico	21	SP-S21	Q500	325.00	9.01	13.36	14.00	0.64	13.81	0.45	12.48	14.28	0.003184	4.23	76.78	20.21	0.69
unico	20	SP-S20	Q50	228.00	8.80	12.43	14.00	1.57	14.08	1.65	11.71	13.10	0.002979	3.64	62.69	21.69	0.68
unico	20	SP-S20	Q200	287.00	8.80	13.01	14.00	0.99	14.08	1.07	12.13	13.75	0.002731	3.80	75.62	22.54	0.66
unico	20	SP-S20	Q500	325.00	8.80	13.38	14.00	0.62	14.08	0.70	12.37	14.14	0.002658	3.86	84.12	23.67	0.65
unico	19	SP-S19	Q50	228.00	8.72	12.14	14.00	1.86	14.00	1.86	11.71	13.04	0.004220	4.20	54.25	18.91	0.79
unico	19	SP-S19	Q200	287.00	8.72	12.67	14.00	1.33	14.00	1.33	12.14	13.68	0.004055	4.46	64.28	19.28	0.78
unico	19	SP-S19	Q500	325.00	8.72	12.99	14.00	1.01	14.00	1.01	12.39	14.07	0.003953	4.60	70.61	19.52	0.77
unico	18	SP-S18	Q50	228.00	8.58	12.10	13.44	1.34	14.00	1.90	11.58	12.93	0.003826	4.05	56.34	19.57	0.76
unico	18	SP-S18	Q200	287.00	8.58	12.64	13.44	0.80	14.00	1.36	12.01	13.57	0.003646	4.27	67.14	20.29	0.75
unico	18	SP-S18	Q500	325.00	8.58	12.98	13.44	0.46	14.00	1.02	12.27	13.96	0.003524	4.39	74.09	20.74	0.74

HEC-RAS Plan: San Pietro River: SPietro Reach: unico (Continued)

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	17	SP-S17	Q50	228.00	8.53	12.30	13.80	1.50	14.00	1.70	11.52	12.81	0.002440	3.18	71.80	26.20	0.61
unico	17	SP-S17	Q200	287.00	8.53	12.88	13.80	0.92	14.00	1.12	11.85	13.44	0.002134	3.29	87.19	26.43	0.58
unico	17	SP-S17	Q500	325.00	8.53	13.24	13.80	0.56	14.00	0.76	12.06	13.82	0.002051	3.36	96.81	27.21	0.57
unico	16	SP-S16	Q50	228.00	8.39	12.40	13.75	1.35	13.75	1.35	11.06	12.73	0.001362	2.55	89.55	27.50	0.45
unico	16	SP-S16	Q200	287.00	8.39	12.98	13.75	0.77	13.75	0.77	11.37	13.36	0.001306	2.72	105.54	27.50	0.44
unico	16	SP-S16	Q500	325.00	8.39	13.34	13.75	0.41	13.75	0.41	11.57	13.74	0.001281	2.82	115.31	27.50	0.44
unico	15	SP-S15	Q50	228.00	8.31	12.38	13.75	1.37	13.75	1.37	11.08	12.72	0.001399	2.59	88.16	27.50	0.46
unico	15	SP-S15	Q200	287.00	8.31	12.96	13.75	0.79	13.75	0.79	11.40	13.35	0.001332	2.75	104.19	27.50	0.45
unico	15	SP-S15	Q500	325.00	8.31	13.31	13.75	0.44	13.75	0.44	11.59	13.73	0.001301	2.85	113.98	27.50	0.45
unico	14	SP-S14	Q50	228.00	8.18	11.33	13.04	1.71	12.26	0.93	11.21	12.47	0.005915	4.73	48.20	18.63	0.94
unico	14	SP-S14	Q200	287.00	8.18	11.84	13.04	1.20	12.26	0.42	11.64	13.09	0.005447	4.95	57.95	18.94	0.90
unico	14	SP-S14	Q500	325.00	8.18	12.15	13.04	0.89	12.26	0.11	11.89	13.47	0.005278	5.10	63.71	18.97	0.89
unico	13	SP-S13	Q50	228.00	8.02	11.37	13.04	1.67	11.96	0.59	10.91	12.26	0.004215	4.16	54.74	18.93	0.78
unico	13	SP-S13	Q200	287.00	8.02	11.89	13.04	1.15	11.96	0.07	11.34	12.89	0.004114	4.44	64.68	19.50	0.78
unico	13	SP-S13	Q500	325.00	8.02	12.20	13.04	0.84	11.96	-0.24	11.60	13.27	0.004060	4.60	70.72	19.60	0.77
unico	12	SP-S12	Q50	228.00	7.88	11.23	13.02	1.79	11.87	0.64	10.80	12.15	0.004413	4.25	53.67	18.57	0.80
unico	12	SP-S12	Q200	287.00	7.88	11.75	13.02	1.27	11.87	0.12	11.24	12.79	0.004321	4.53	63.36	19.13	0.79
unico	12	SP-S12	Q500	325.00	7.88	12.05	13.02	0.97	11.87	-0.18	11.50	13.17	0.004272	4.69	69.27	19.28	0.79
unico	11	SP-S11	Q50	228.00	7.72	10.70	13.00	2.30	11.77	1.07	10.70	11.99	0.007077	5.03	45.31	17.55	1.00
unico	11	SP-S11	Q200	287.00	7.72	11.15	13.00	1.85	11.77	0.62	11.15	12.63	0.006968	5.38	53.33	18.04	1.00
unico	11	SP-S11	Q500	325.00	7.72	11.42	13.00	1.58	11.77	0.35	11.42	13.01	0.006938	5.58	58.21	18.34	1.00
unico	10	SP-S10	Q50	228.00	7.43	9.79	12.85	3.06	11.61	1.82	10.34	11.77	0.014310	6.22	36.64	19.28	1.44
unico	10	SP-S10	Q200	287.00	7.43	10.11	12.85	2.74	11.61	1.50	10.73	12.39	0.014246	6.69	42.91	19.90	1.45
unico	10	SP-S10	Q500	325.00	7.43	10.30	12.85	2.55	11.61	1.31	10.97	12.77	0.014160	6.95	46.76	20.15	1.46
unico	9.4	SP-S9.4	Q50	228.00	7.41	9.51	12.87	3.36	11.62	2.11	10.08	11.57	0.016699	6.37	35.80	20.10	1.52
unico	9.4	SP-S9.4	Q200	287.00	7.41	9.81	12.87	3.06	11.62	1.81	10.48	12.20	0.016185	6.84	41.95	20.13	1.51
unico	9.4	SP-S9.4	Q500	325.00	7.41	11.63	12.87	1.24	11.62	-0.01	10.71	12.50	0.003631	4.13	78.73	21.77	0.67
unico	9.3	SP-S9.3	Q50	228.00	7.56	10.30	12.82	2.52	11.58	1.28	10.12	11.32	0.005660	4.47	51.02	20.17	0.90
unico	9.3	SP-S9.3	Q200	287.00	7.56	10.92	12.82	1.90	11.58	0.66	10.51	11.96	0.004615	4.52	63.55	20.23	0.81
unico	9.3	SP-S9.3	Q500	325.00	7.56	11.48	12.82	1.34	11.58	0.10	10.75	12.44	0.003619	4.33	74.97	20.28	0.72
unico	9.2	SP-S9.2	Q50	228.00	7.42	10.32	12.71	2.39	11.56	1.24	10.01	11.24	0.004859	4.25	53.63	20.17	0.83
unico	9.2	SP-S9.2	Q200	287.00	7.42	10.93	12.71	1.78	11.56	0.63	10.40	11.89	0.004113	4.35	66.03	20.22	0.77
unico	9.2	SP-S9.2	Q500	325.00	7.42	11.49	12.71	1.22	11.56	0.07	10.64	12.39	0.003298	4.20	77.34	20.27	0.69
unico	9.1	SP-S9.1	Q50	228.00	7.25	10.25	12.54	2.29	11.42	1.17	9.88	11.13	0.004526	4.16	54.87	20.11	0.80
unico	9.1	SP-S9.1	Q200	287.00	7.25	10.89	12.54	1.65	11.42	0.53	10.27	11.80	0.003817	4.24	67.68	20.17	0.74
unico	9.1	SP-S9.1	Q500	325.00	7.25	11.45	12.54	1.09	11.42	-0.03	10.51	12.31	0.003631	4.11	79.08	21.67	0.66
unico	8	SP-S8	Q50	228.00	7.22	10.22	12.44	2.22	11.34	1.12	9.83	11.09	0.004518	4.13	55.23	20.18	0.80
unico	8	SP-S8	Q200	287.00	7.22	10.86	12.44	1.58	11.34	0.48	10.22	11.76	0.003778	4.20	68.30	20.24	0.73
unico	8	SP-S8	Q500	325.00	7.22	11.43	12.44	1.01	11.34	-0.09	10.46	12.27	0.003646	4.08	79.83	21.74	0.66

HEC-RAS Plan: San Pietro River: SPietro Reach: unico (Continued)

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	7.2	SP-S7.2	Q50	228.00	7.15	10.19	12.40	2.21	11.20	1.01	9.76	11.01	0.004265	4.01	56.85	20.78	0.77
unico	7.2	SP-S7.2	Q200	287.00	7.15	10.85	12.40	1.55	11.20	0.35	10.14	11.69	0.003494	4.06	70.74	20.84	0.70
unico	7.2	SP-S7.2	Q500	325.00	7.15	11.42	12.40	0.98	11.20	-0.22	10.37	12.21	0.003332	3.94	82.78	22.34	0.63
unico	7.1	SP-S7.1	Q50	228.00	6.97	10.35	11.91	1.56	11.34	0.99	9.37	10.83	0.002142	3.08	73.99	24.18	0.56
unico	7.1	SP-S7.1	Q200	287.00	6.97	11.02	11.91	0.89	11.34	0.32	9.71	11.53	0.001862	3.18	90.21	24.23	0.53
unico	7.1	SP-S7.1	Q500	325.00	6.97	11.56	11.91	0.35	11.34	-0.22	9.93	12.06	0.001830	3.14	103.87	25.72	0.49
unico	7	SP-S7	Q50	233.00	6.97	10.22	11.91	1.69	11.34	1.12	9.40	10.77	0.002537	3.28	71.01	24.18	0.61
unico	7	SP-S7	Q200	294.00	6.97	10.91	11.91	1.00	11.34	0.43	9.75	11.48	0.002134	3.36	87.60	24.23	0.56
unico	7	SP-S7	Q500	335.00	6.97	11.45	11.91	0.46	11.34	-0.11	9.98	12.02	0.001805	3.32	101.55	26.72	0.52
unico	6.1	SP-S6.1	Q50	233.00	7.02	10.25	11.80	1.55	11.26	1.01	9.30	10.72	0.002119	3.04	76.53	25.71	0.56
unico	6.1	SP-S6.1	Q200	294.00	7.02	10.94	11.80	0.86	11.26	0.32	9.64	11.43	0.001781	3.12	94.37	25.78	0.52
unico	6.1	SP-S6.1	Q500	335.00	7.02	11.48	11.80	0.32	11.26	-0.22	9.85	11.97	0.001726	3.09	109.07	27.28	0.48
unico	6	SP-S6	Q50	233.00	6.97	10.26	11.68	1.42	11.18	0.92	9.21	10.68	0.001850	2.87	81.22	26.98	0.53
unico	6	SP-S6	Q200	294.00	6.97	10.95	11.68	0.73	11.18	0.23	9.54	11.39	0.001555	2.94	100.09	27.04	0.49
unico	6	SP-S6	Q500	335.00	6.97	11.50	11.68	0.18	11.18	-0.32	9.75	11.93	0.001498	2.91	115.60	28.54	0.45
unico	5.1	SP-S5.1	Q50	233.00	6.97	10.27	11.59	1.32	11.12	0.85	9.10	10.64	0.001584	2.69	86.71	28.23	0.49
unico	5.1	SP-S5.1	Q200	294.00	6.97	10.97	11.59	0.62	11.12	0.15	9.42	11.36	0.001341	2.76	106.54	28.29	0.45
unico	5.1	SP-S5.1	Q500	335.00	6.97	11.52	11.59	0.07	11.12	-0.40	9.63	11.90	0.001296	2.74	122.80	29.79	0.42
unico	5	SP-S5	Q50	233.00	6.89	10.26	11.59	1.33	11.17	0.91	9.00	10.61	0.001450	2.59	90.05	28.64	0.47
unico	5	SP-S5	Q200	294.00	6.89	10.97	11.59	0.62	11.17	0.20	9.32	11.33	0.001240	2.67	110.26	28.71	0.43
unico	5	SP-S5	Q500	335.00	6.89	11.51	11.59	0.08	11.17	-0.34	9.53	11.87	0.001225	2.66	126.67	30.20	0.41
unico	4.5		Q50	233.00	6.77	10.26	11.58	1.32	11.29	1.03	8.95	10.60	0.001406	2.57	90.81	28.28	0.46
unico	4.5		Q200	294.00	6.77	10.97	11.58	0.61	11.29	0.32	9.27	11.33	0.001220	2.66	110.73	28.34	0.43
unico	4.5		Q500	335.00	6.77	11.51	11.58	0.07	11.29	-0.22	9.47	11.87	0.001237	2.66	126.76	29.83	0.40
unico	4.4	SP-S4	Q50	233.00	6.61	10.15	11.58	1.43	11.60	1.45	8.87	10.56	0.001716	2.85	81.78	24.00	0.49
unico	4.4	SP-S4	Q200	294.00	6.61	10.84	11.58	0.74	11.60	0.76	9.23	11.29	0.001572	2.99	98.24	24.00	0.47
unico	4.4	SP-S4	Q500	335.00	6.61	11.37	11.58	0.21	11.60	0.23	9.45	11.83	0.001419	3.02	111.02	24.00	0.45
unico	4.3	SP-S4	Q50	233.00	6.61	10.15	11.59	1.44	11.56	1.41	8.87	10.56	0.001720	2.85	81.73	24.00	0.49
unico	4.3	SP-S4	Q200	294.00	6.61	10.83	11.59	0.76	11.56	0.73	9.23	11.29	0.001575	2.99	98.19	24.00	0.47
unico	4.3	SP-S4	Q500	335.00	6.61	11.37	11.59	0.22	11.56	0.19	9.45	11.83	0.001420	3.02	110.98	24.00	0.45
unico	4.22	SP-S4		Bridge													
unico	4.2	SP-S4	Q50	233.00	6.56	10.11	11.59	1.48	11.56	1.46	8.82	10.52	0.001711	2.85	81.84	24.00	0.49
unico	4.2	SP-S4	Q200	294.00	6.56	10.69	11.59	0.90	11.56	0.87	9.18	11.17	0.001684	3.06	95.97	24.00	0.49
unico	4.2	SP-S4	Q500	335.00	6.56	11.12	11.59	0.47	11.56	0.44	9.40	11.63	0.001611	3.15	106.31	24.00	0.48
unico	4.1	SP-S4	Q50	233.00	6.57	10.10	11.59	1.49	11.56	1.46	8.81	10.51	0.001706	2.84	81.93	24.00	0.49
unico	4.1	SP-S4	Q200	294.00	6.57	10.69	11.59	0.90	11.56	0.87	9.17	11.17	0.001681	3.06	96.07	24.00	0.49
unico	4.1	SP-S4	Q500	335.00	6.57	11.12	11.59	0.47	11.56	0.44	9.39	11.62	0.001608	3.15	106.42	24.00	0.48
unico	3.4	SP-S3	Q50	233.00	6.54	10.09	11.59	1.50	11.56	1.47	8.78	10.50	0.001661	2.82	82.63	24.00	0.49
unico	3.4	SP-S3	Q200	294.00	6.54	10.68	11.59	0.91	11.56	0.88	9.13	11.15	0.001643	3.04	96.77	24.00	0.48

HEC-RAS Plan: San Pietro River: SPietro 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	3.4 SP-S3	Q500	335.00	6.54	11.11	11.59	0.48	11.56	0.45	9.36	11.61	0.001575	3.13	107.13	24.00	0.47
unico	3.3 SP-S3	Q50	233.00	6.54	10.09	11.59	1.50	11.56	1.47	8.77	10.50	0.001660	2.82	82.65	24.00	0.49
unico	3.3 SP-S3	Q200	294.00	6.54	10.68	11.59	0.91	11.56	0.88	9.13	11.15	0.001642	3.04	96.79	24.00	0.48
unico	3.3 SP-S3	Q500	335.00	6.54	11.11	11.59	0.48	11.56	0.45	9.36	11.61	0.001574	3.13	107.15	24.00	0.47
unico	3.22 SP-S3	Bridge														
unico	3.2 SP-S3	Q50	233.00	6.39	10.04	11.59	1.55	11.60	1.56	8.71	10.45	0.001647	2.86	81.51	23.59	0.49
unico	3.2 SP-S3	Q200	294.00	6.39	10.55	11.59	1.04	11.60	1.05	9.08	11.05	0.001722	3.14	93.76	23.70	0.50
unico	3.2 SP-S3	Q500	335.00	6.39	10.89	11.59	0.70	11.60	0.71	9.31	11.45	0.001748	3.29	101.85	23.77	0.51
unico	3.1 SP-S3	Q50	233.00	6.39	10.01	11.59	1.58	11.60	1.59	8.76	10.44	0.001764	2.91	79.94	23.58	0.51
unico	3.1 SP-S3	Q200	294.00	6.39	10.53	11.59	1.06	11.60	1.07	9.12	11.05	0.001831	3.19	92.15	23.69	0.52
unico	3.1 SP-S3	Q500	335.00	6.39	10.87	11.59	0.72	11.60	0.73	9.35	11.44	0.001851	3.34	100.22	23.76	0.52
unico	2 SP-S2	Q50	233.00	6.22	10.00	11.47	1.47	11.38	1.38	8.59	10.39	0.001478	2.77	84.24	23.79	0.47
unico	2 SP-S2	Q200	294.00	6.22	10.52	11.47	0.95	11.38	0.86	8.95	10.99	0.001563	3.04	96.56	23.87	0.48
unico	2 SP-S2	Q500	335.00	6.22	10.86	11.47	0.61	11.38	0.52	9.18	11.38	0.001596	3.20	104.71	23.93	0.49
unico	1 SP-S1	Q50	233.00	6.16	9.99	11.20	1.21	11.05	1.06	8.42	10.35	0.001337	2.65	88.00	23.78	0.44
unico	1 SP-S1	Q200	294.00	6.16	10.51	11.20	0.69	11.05	0.54	8.78	10.95	0.001440	2.93	100.30	23.86	0.46
unico	1 SP-S1	Q500	335.00	6.16	10.85	11.20	0.35	11.05	0.20	9.01	11.34	0.001483	3.09	108.43	23.92	0.46