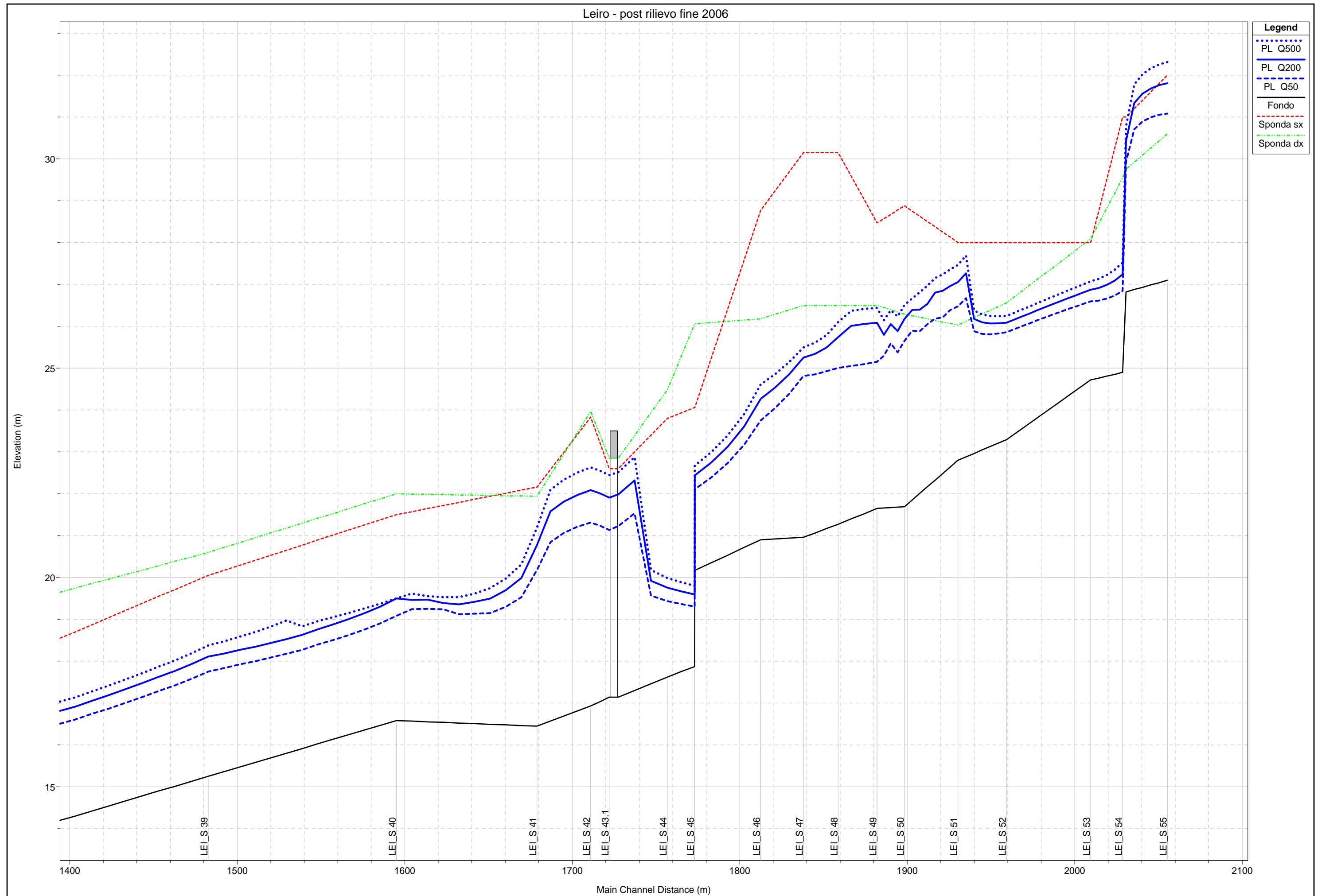
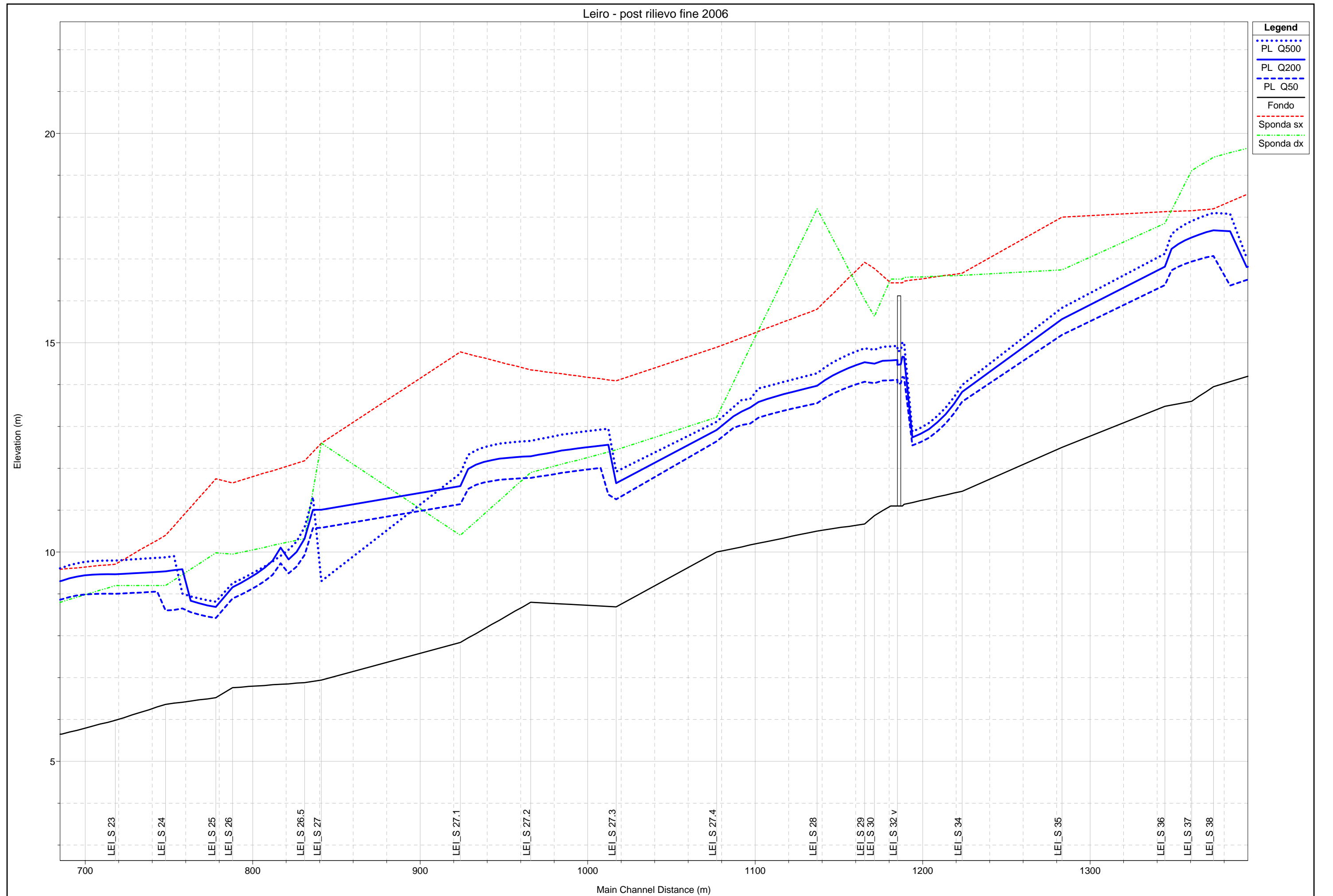


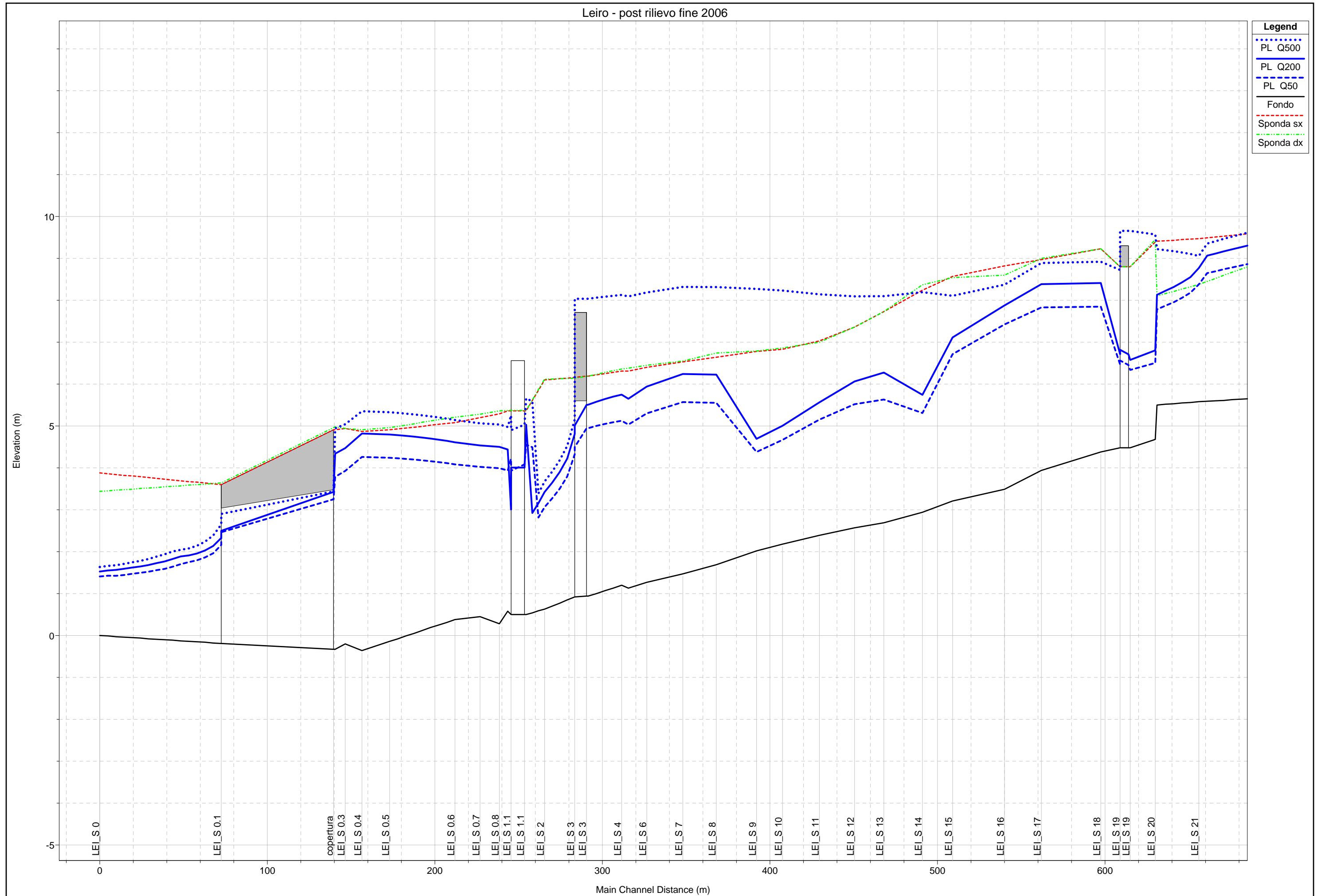
# **Torrente Leiro**

dalla sez. LEI\_S55 alla LEI\_S1

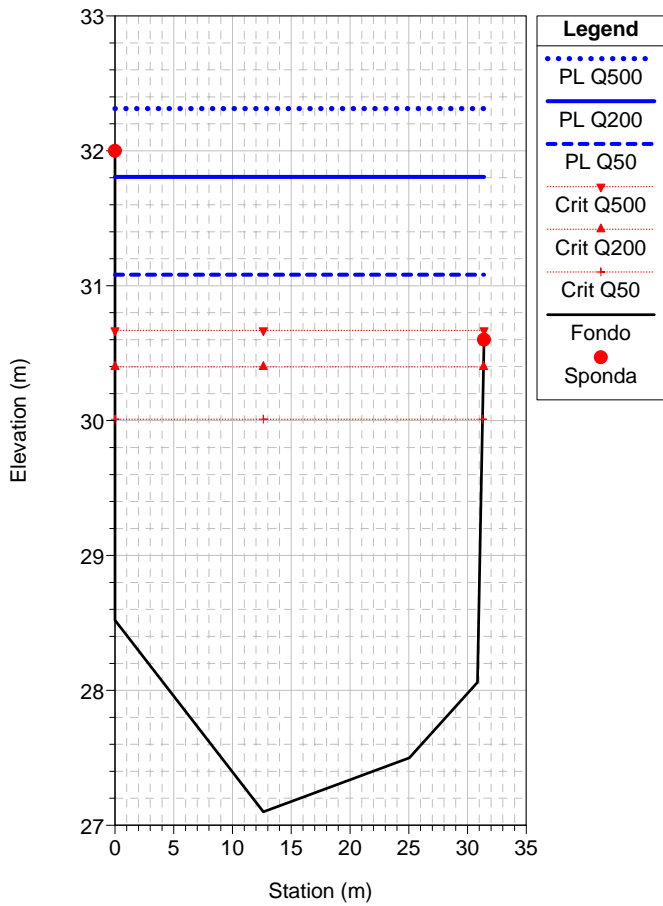
- Profili di corrente
- Sezioni idrauliche
- Tabelle dei risultati



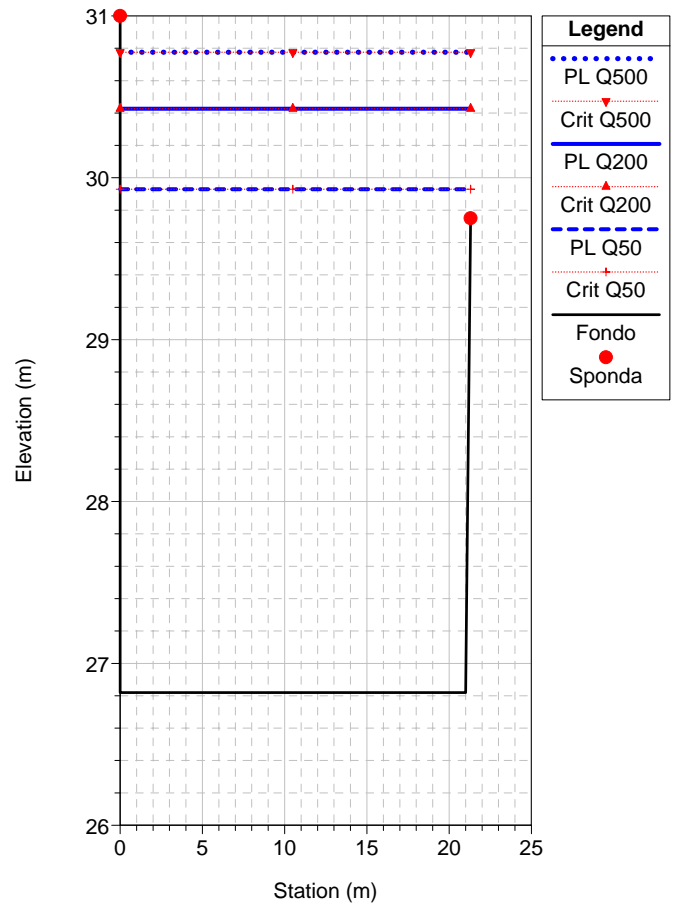




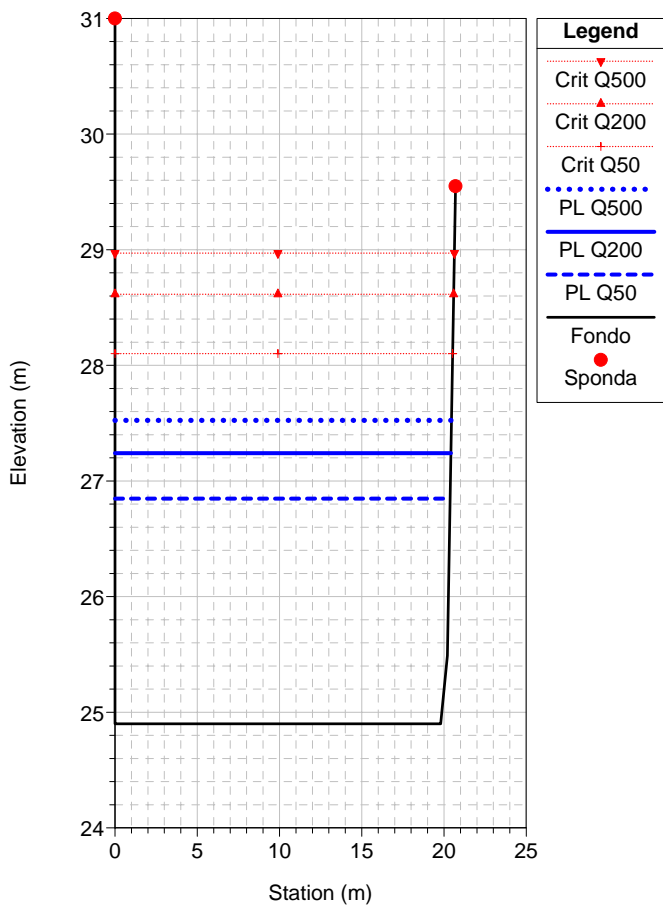
Leiro - post rilievo fine 2006  
LEI\_S 55



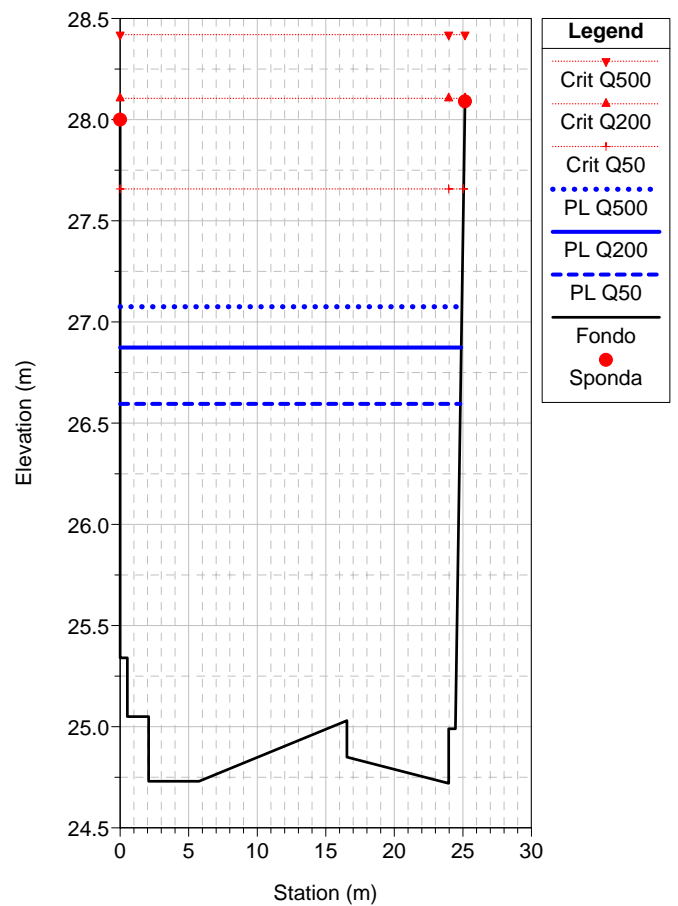
Leiro - post rilievo fine 2006

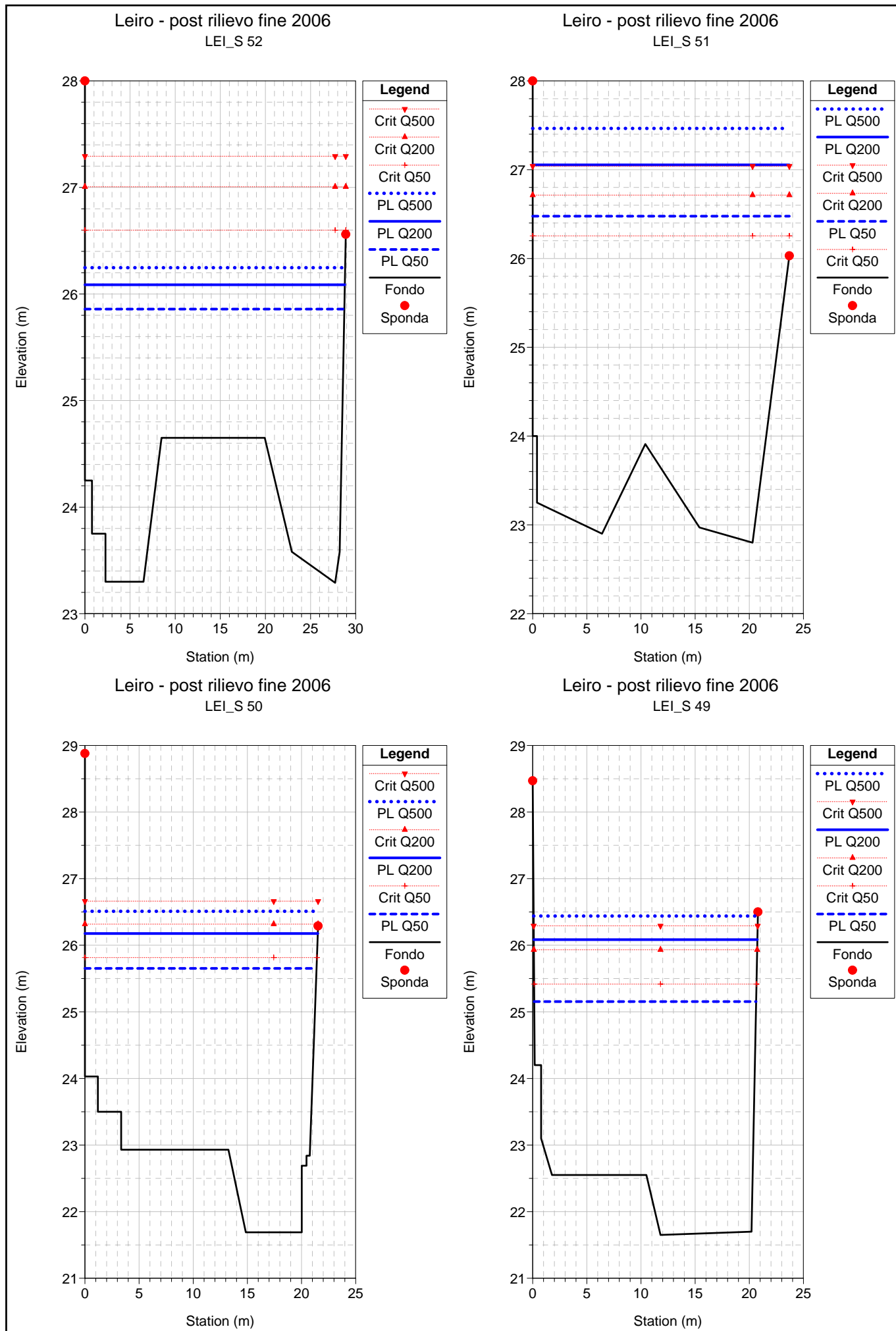


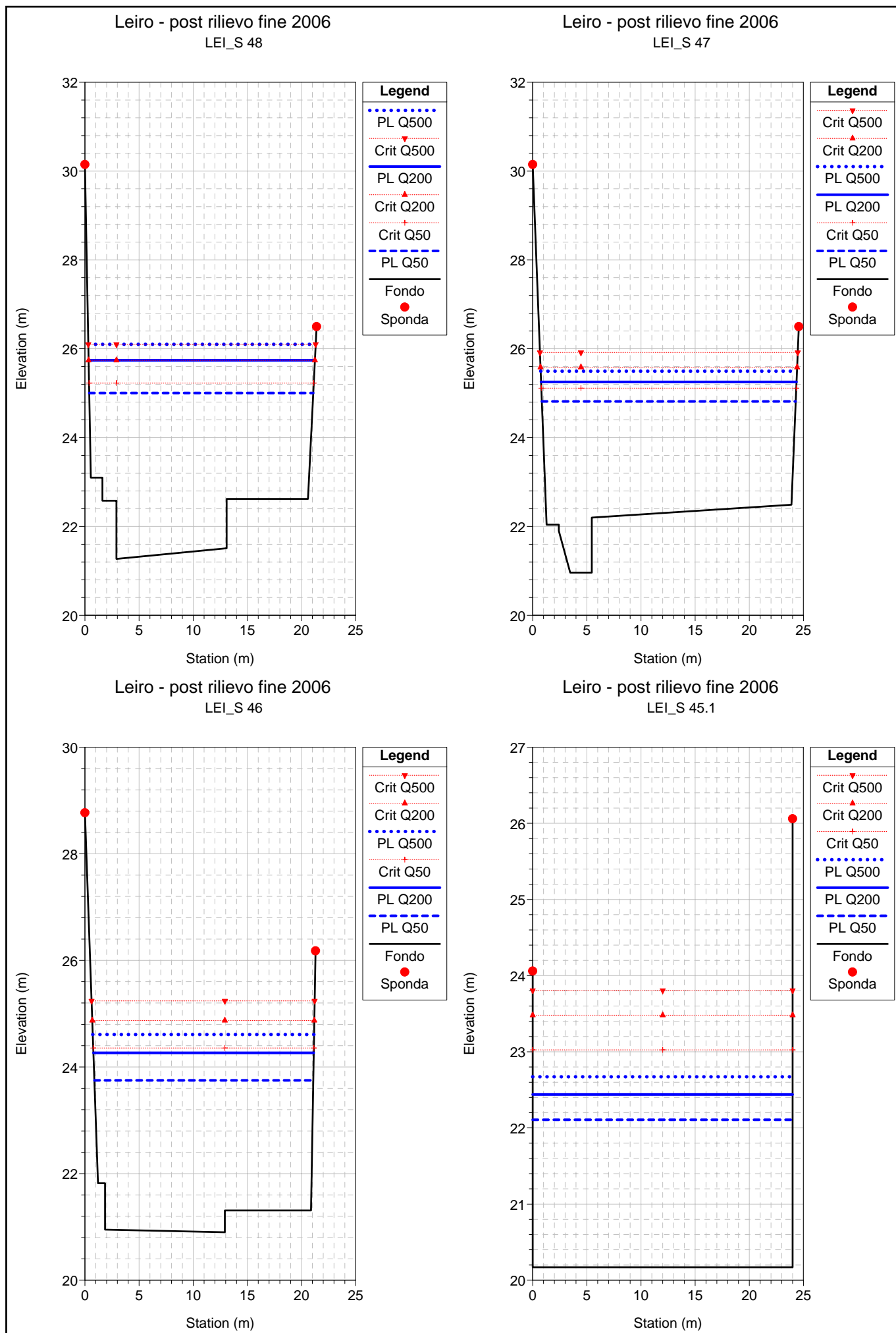
Leiro - post rilievo fine 2006  
LEI\_S 54

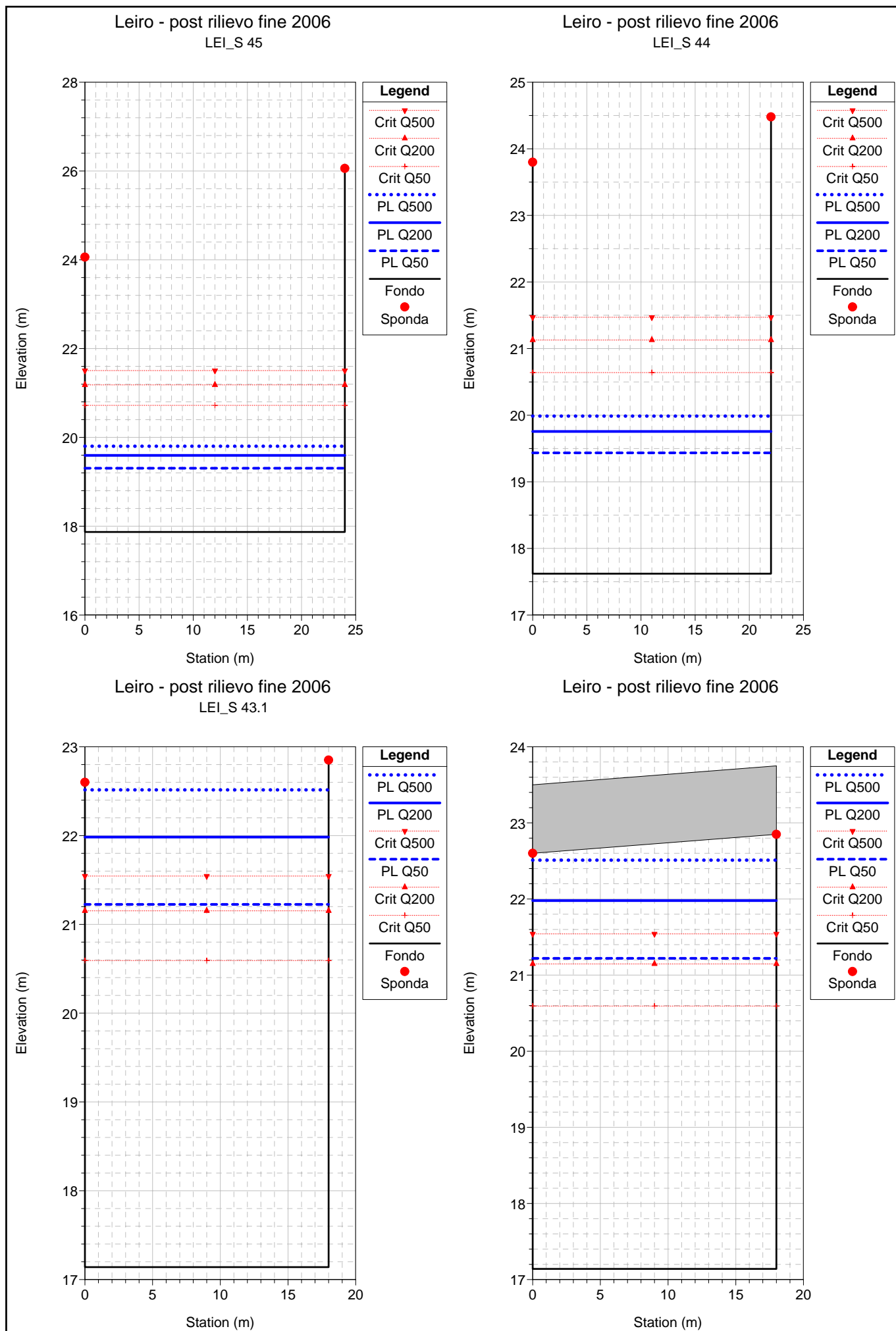


Leiro - post rilievo fine 2006  
LEI\_S 53

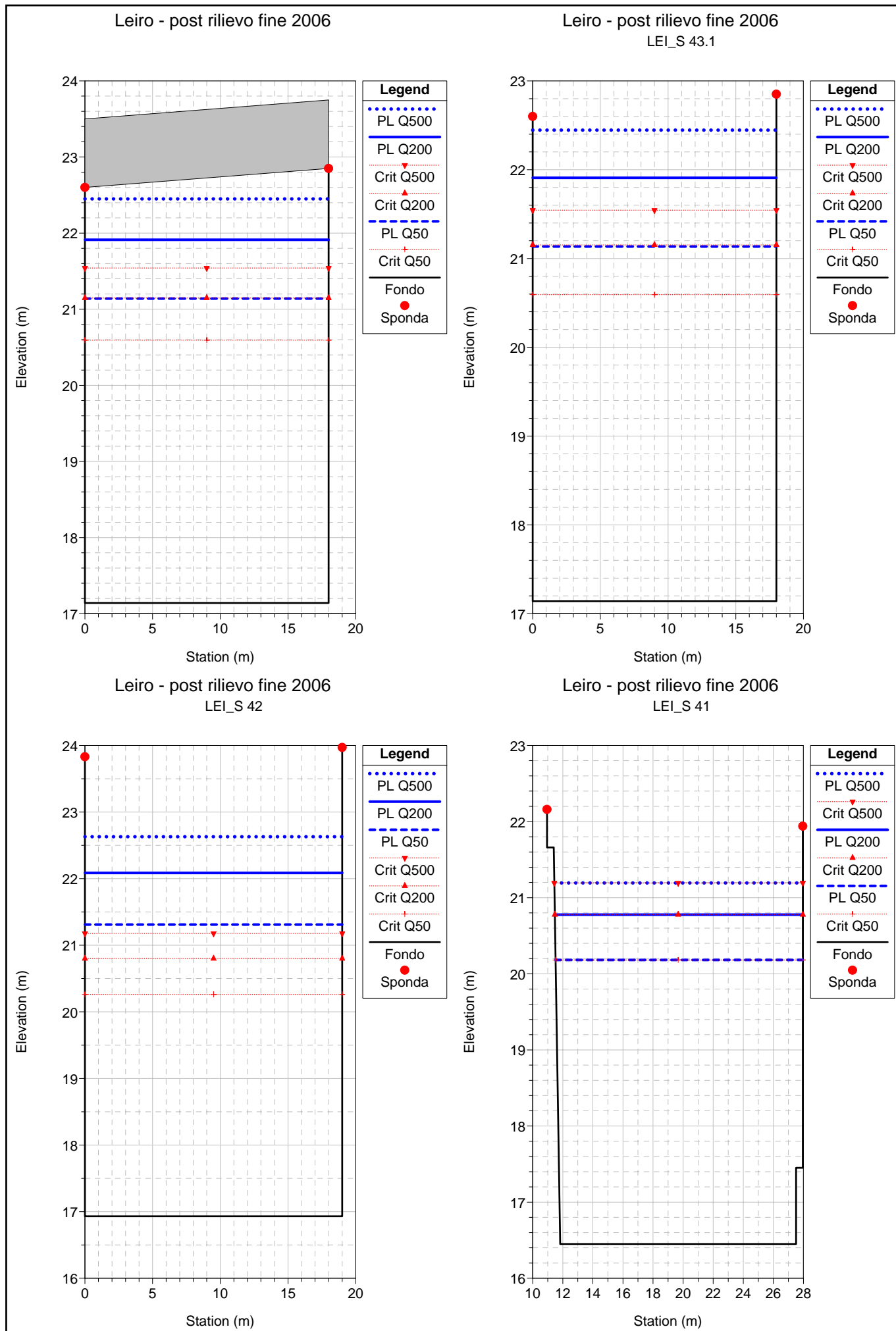


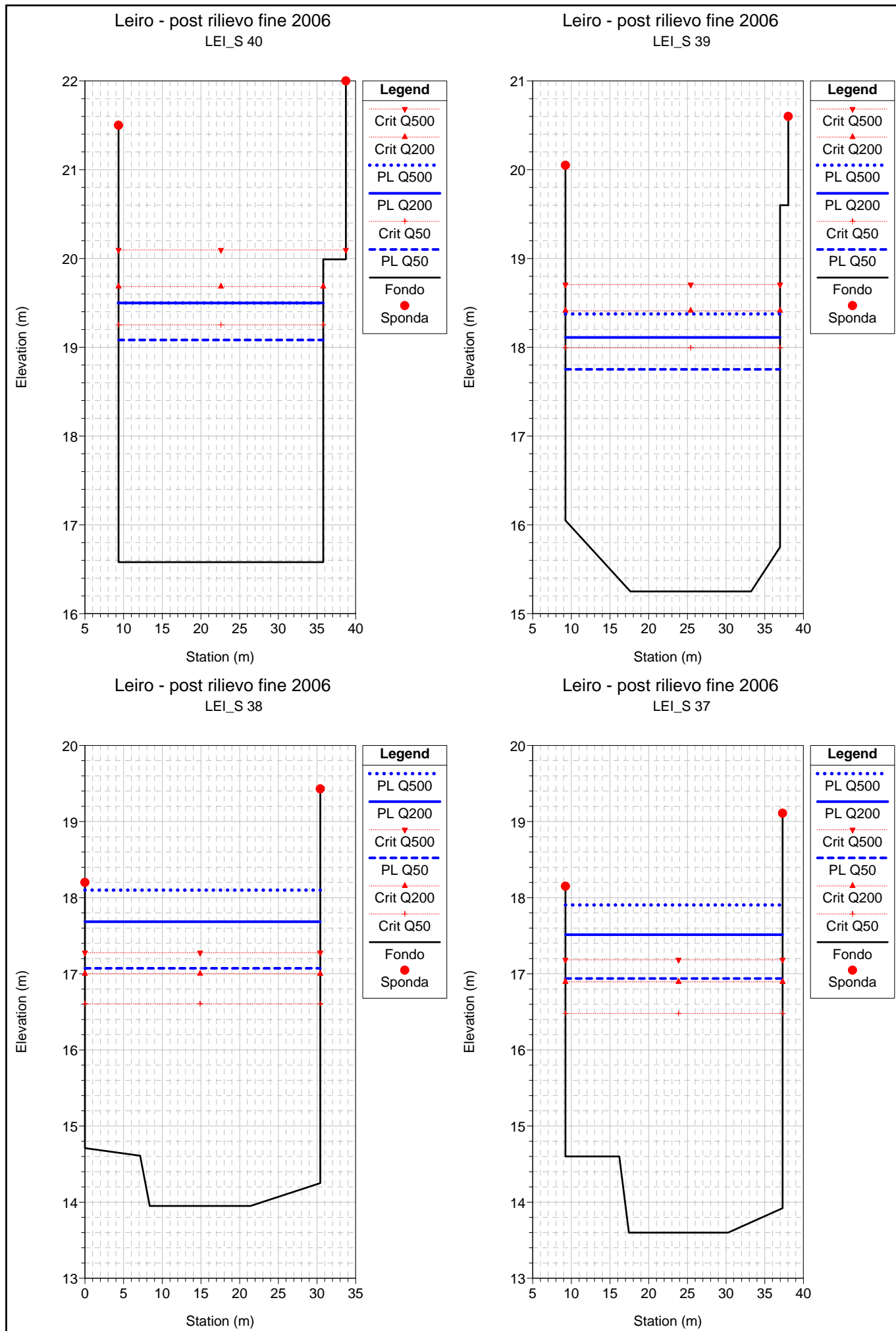


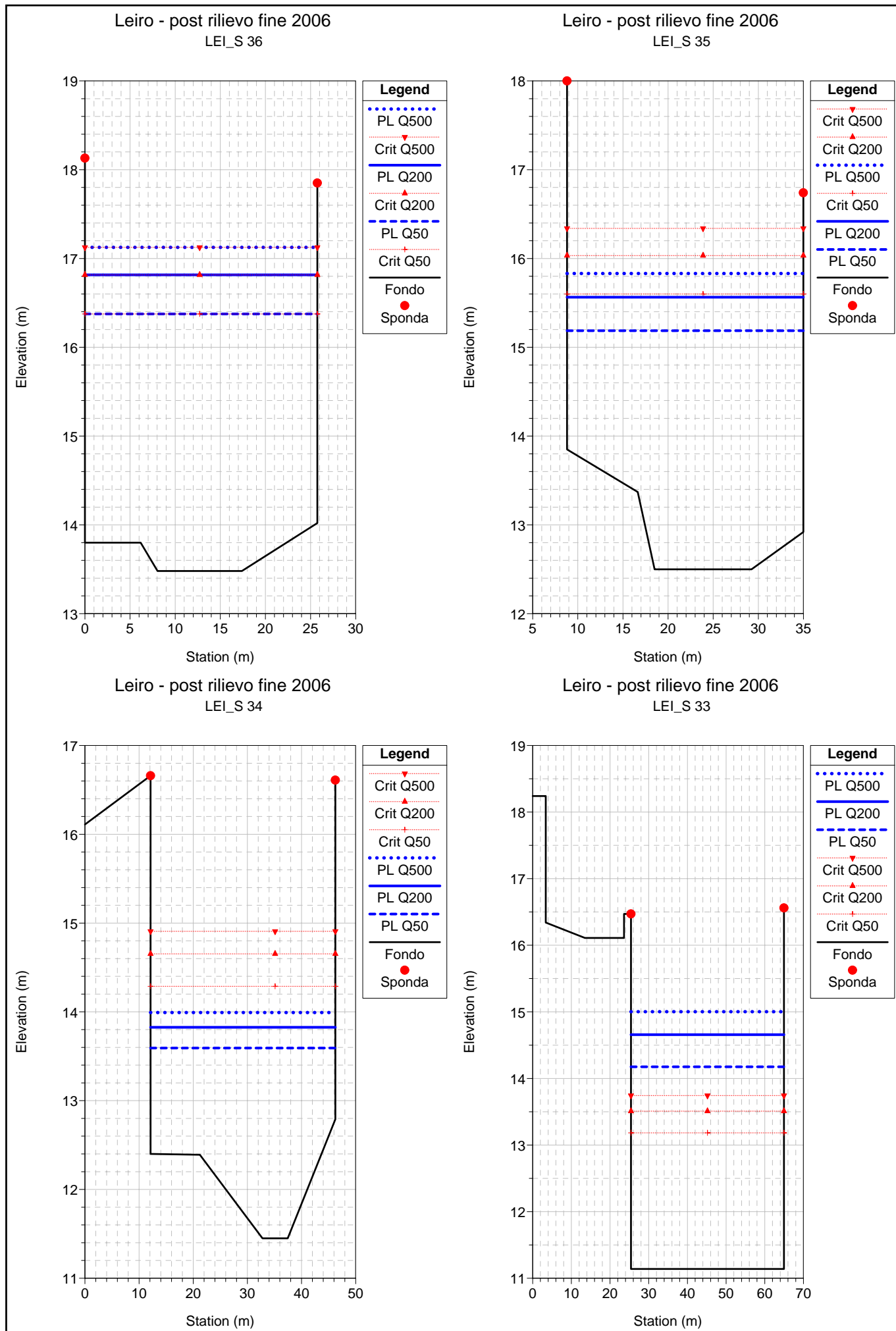


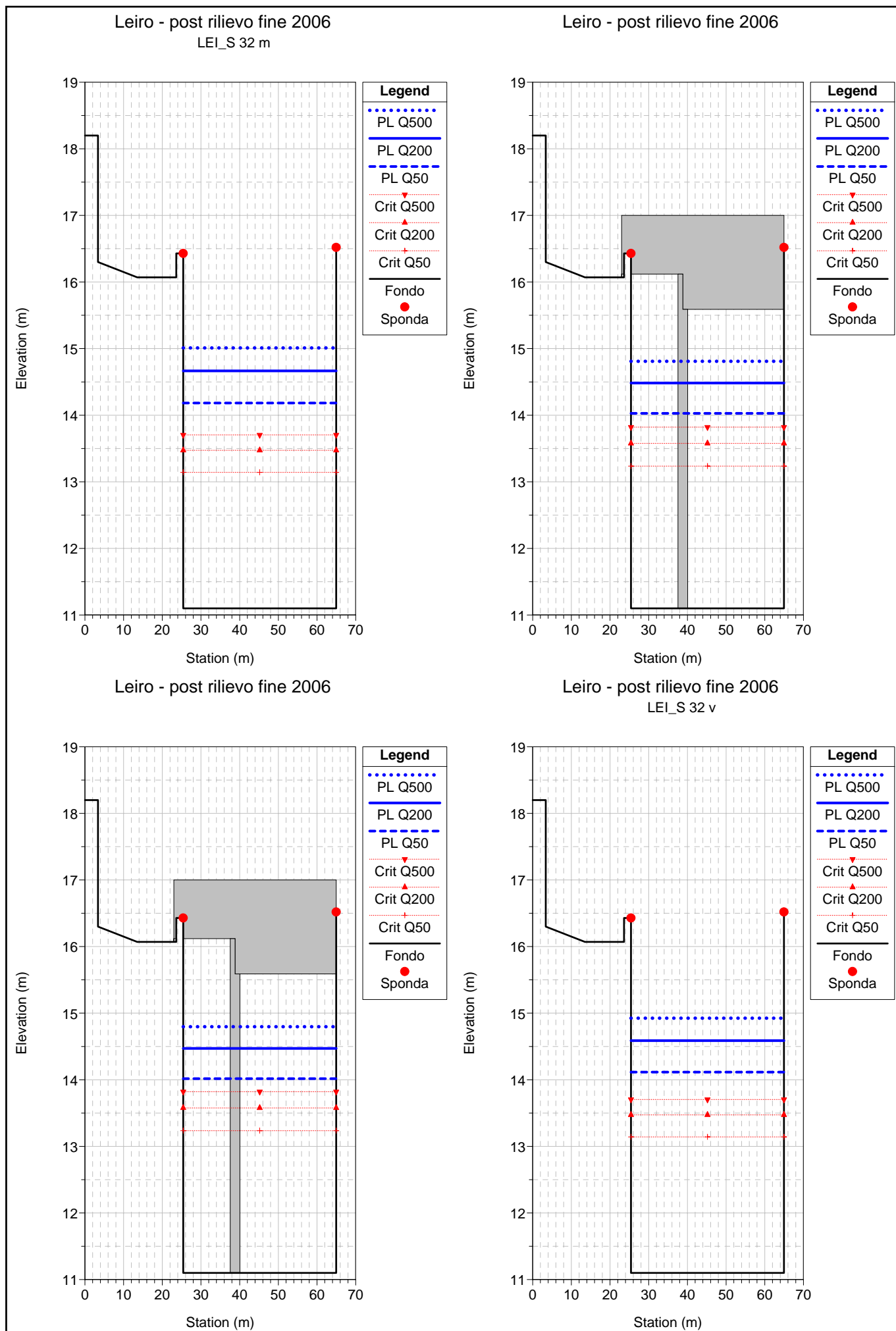




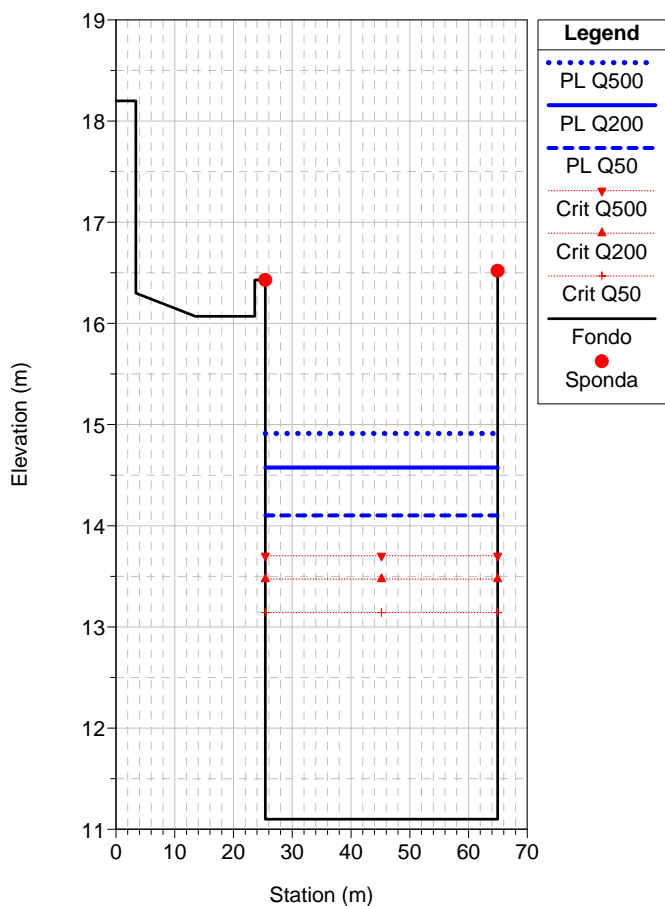






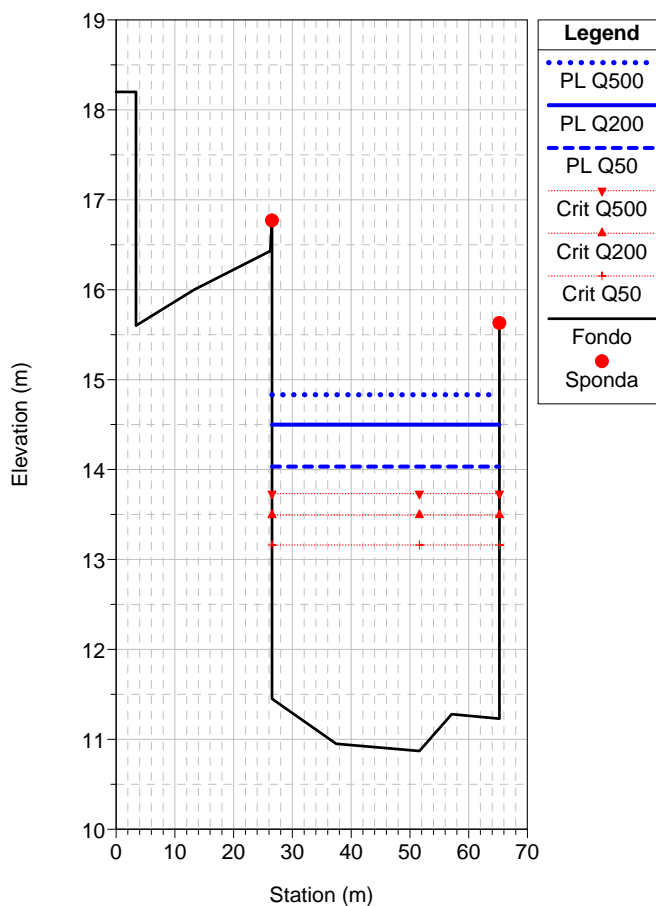


Leiro - post rilievo fine 2006



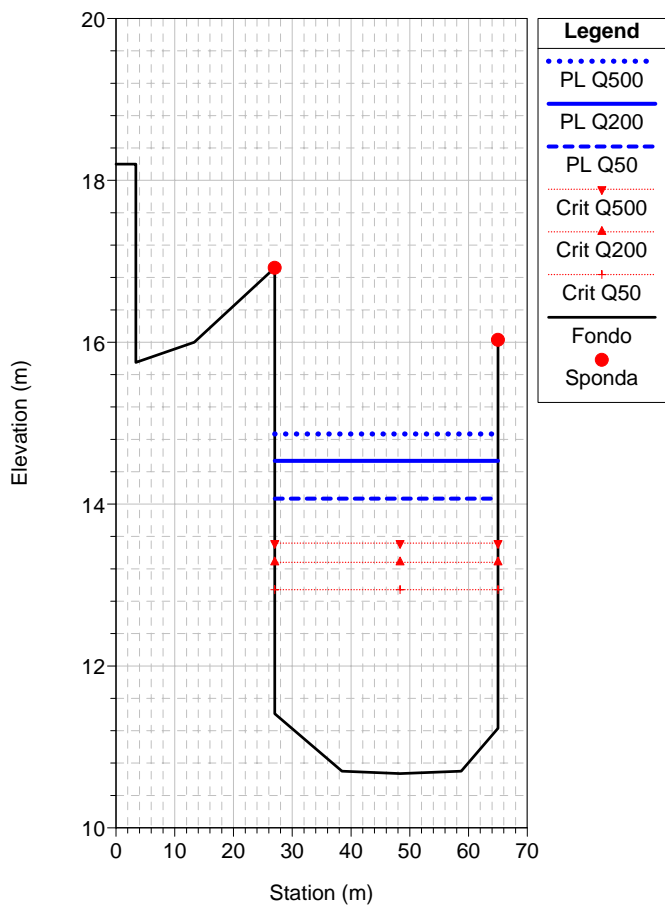
Leiro - post rilievo fine 2006

LEI\_S 30



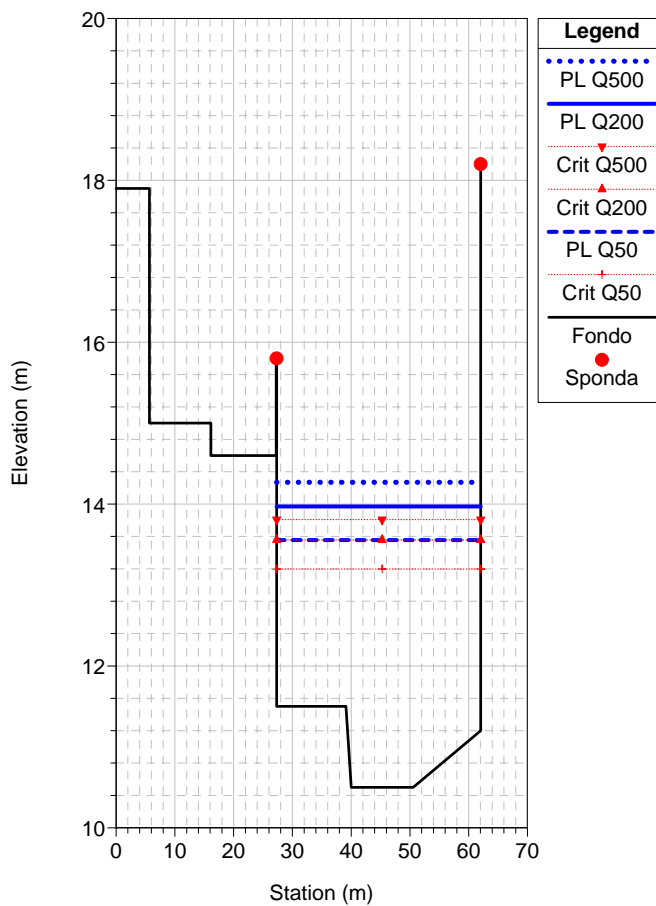
Leiro - post rilievo fine 2006

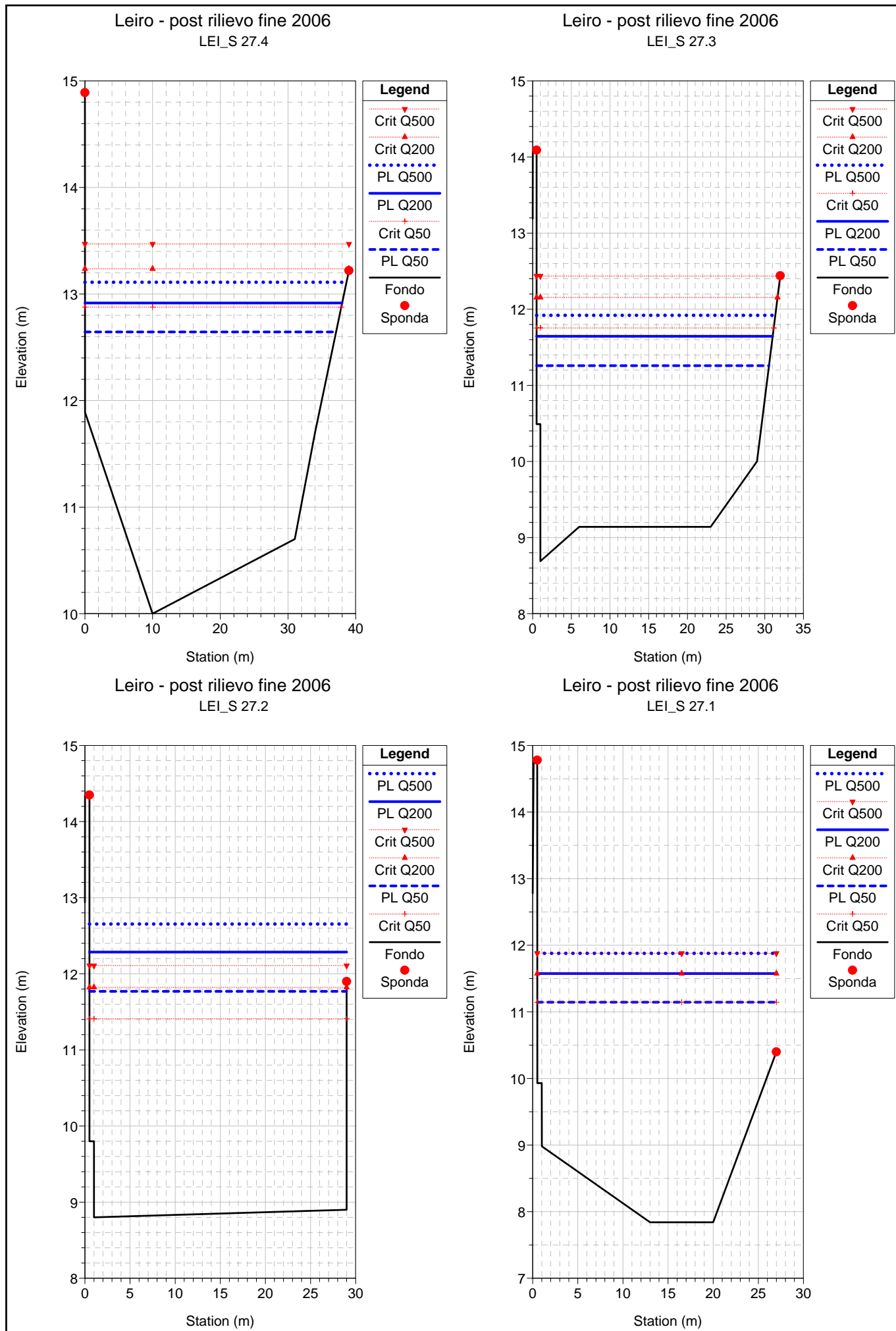
LEI\_S 29

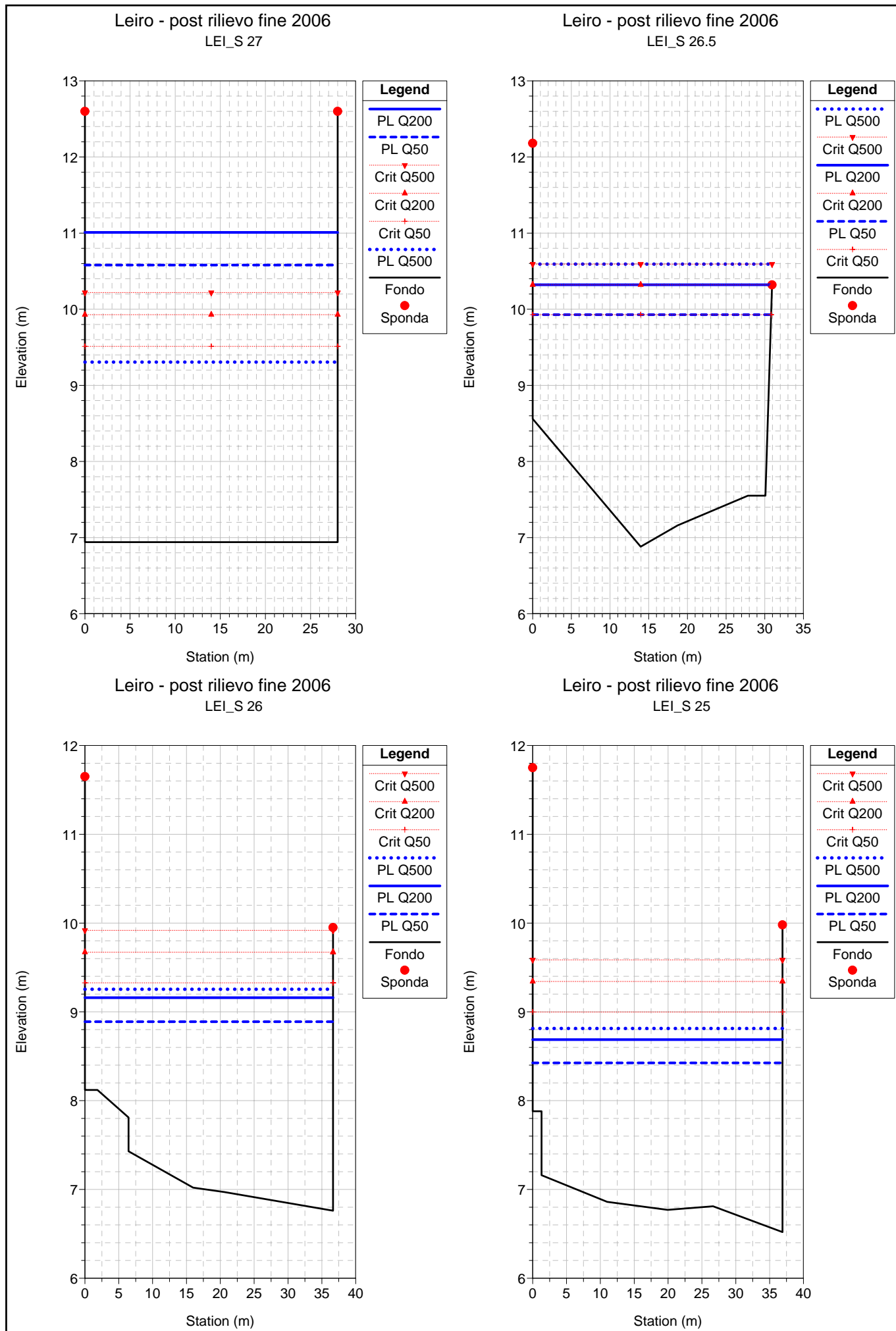


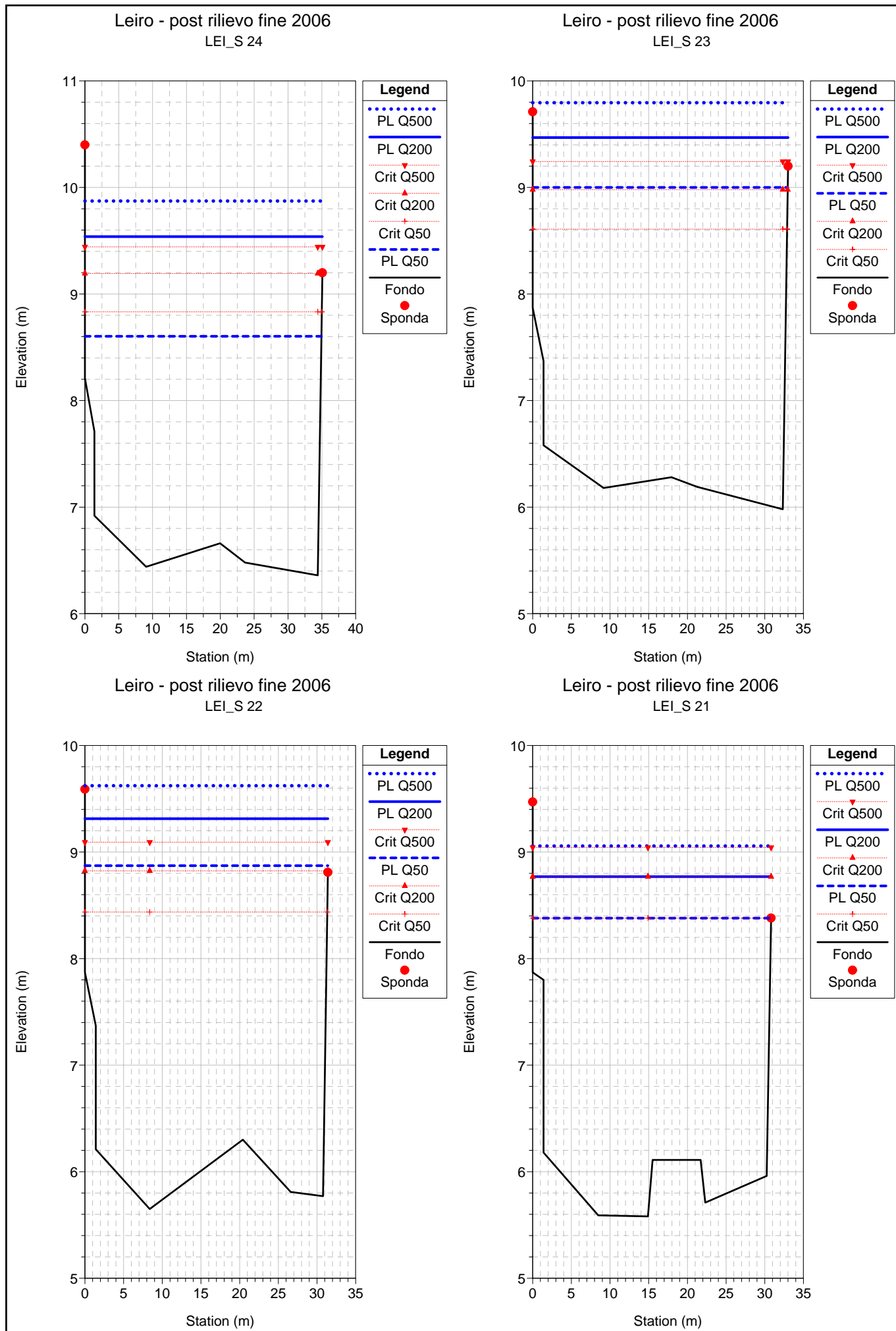
Leiro - post rilievo fine 2006

LEI\_S 28

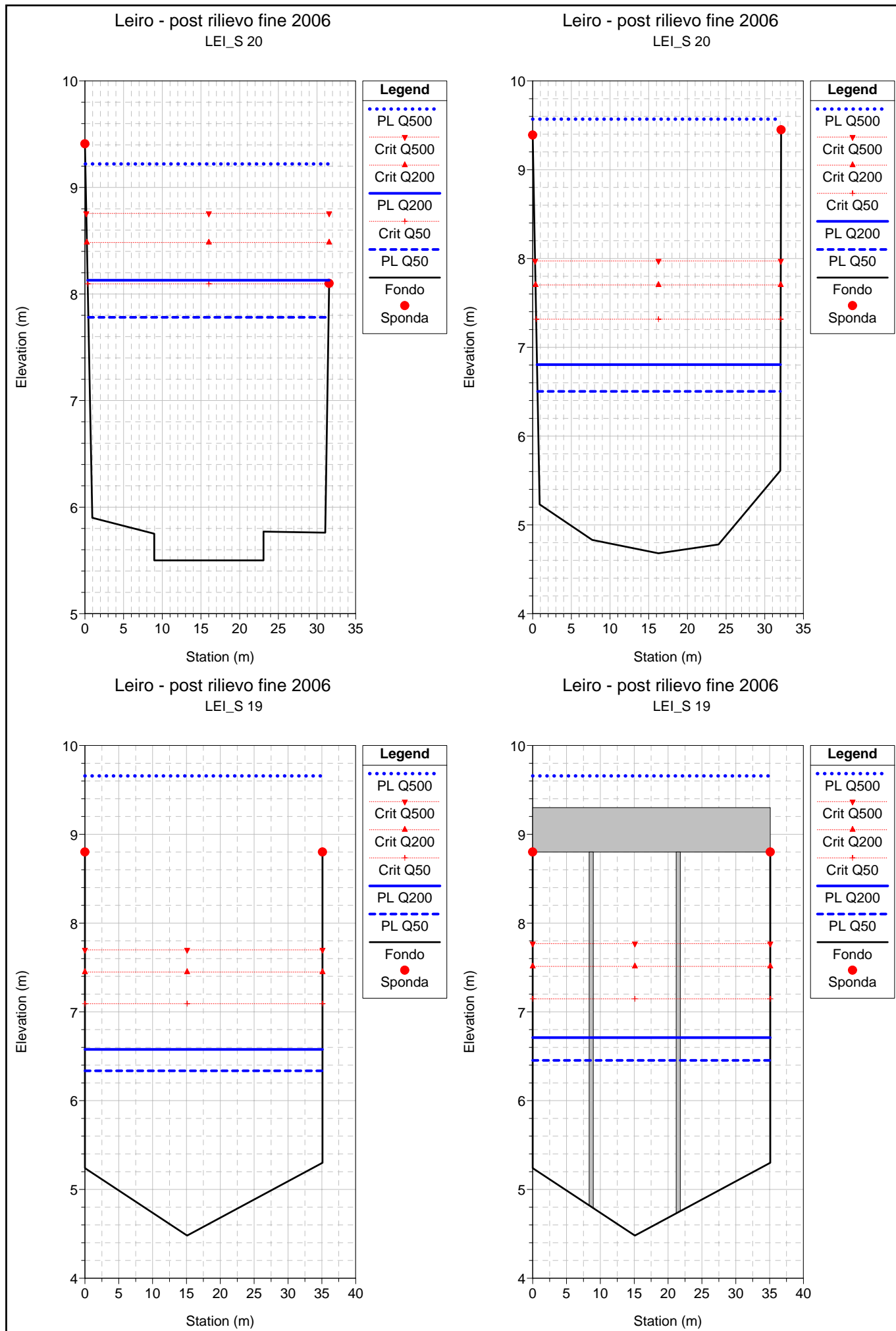




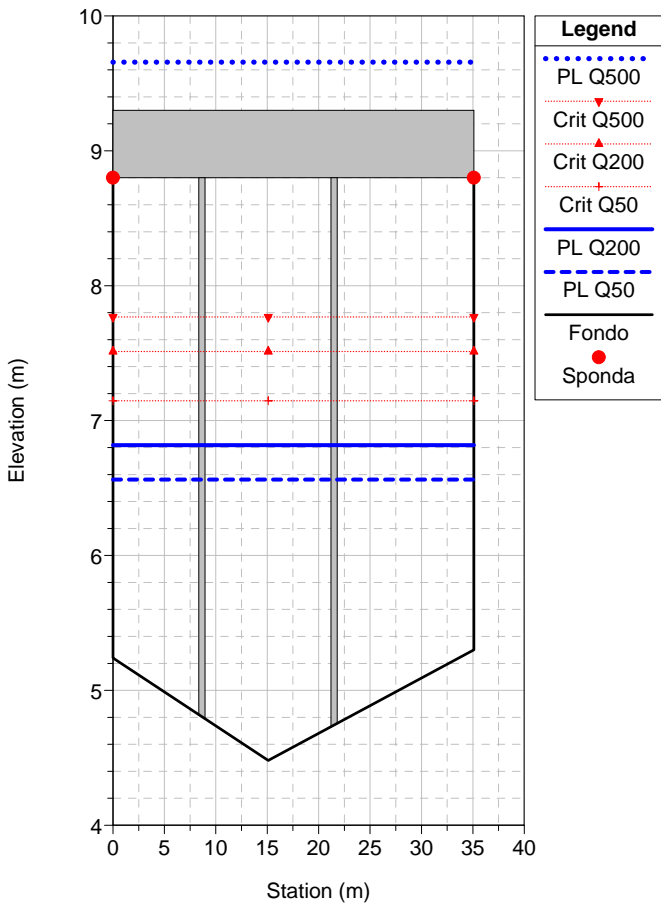




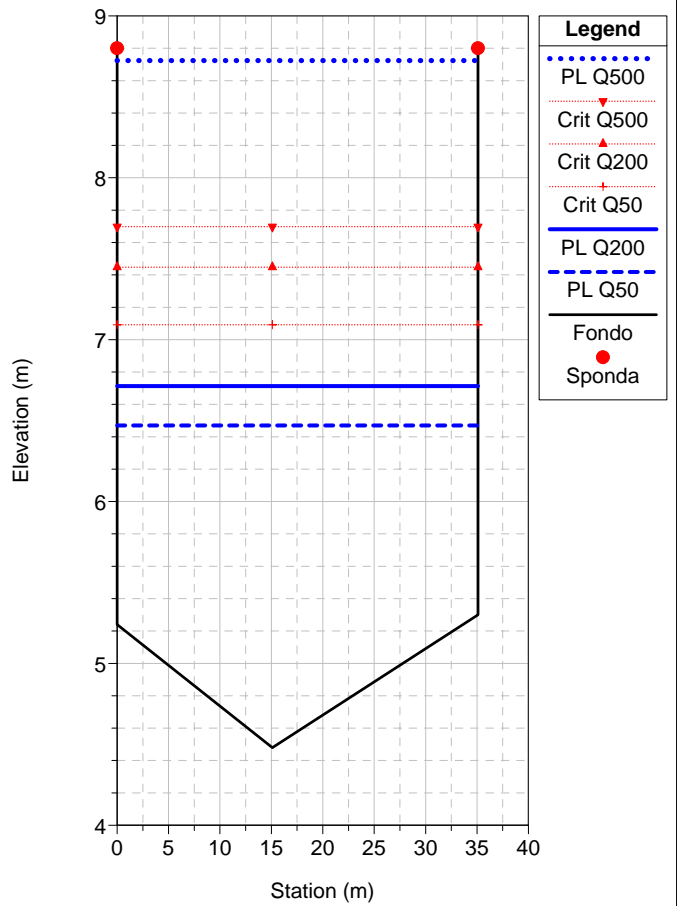




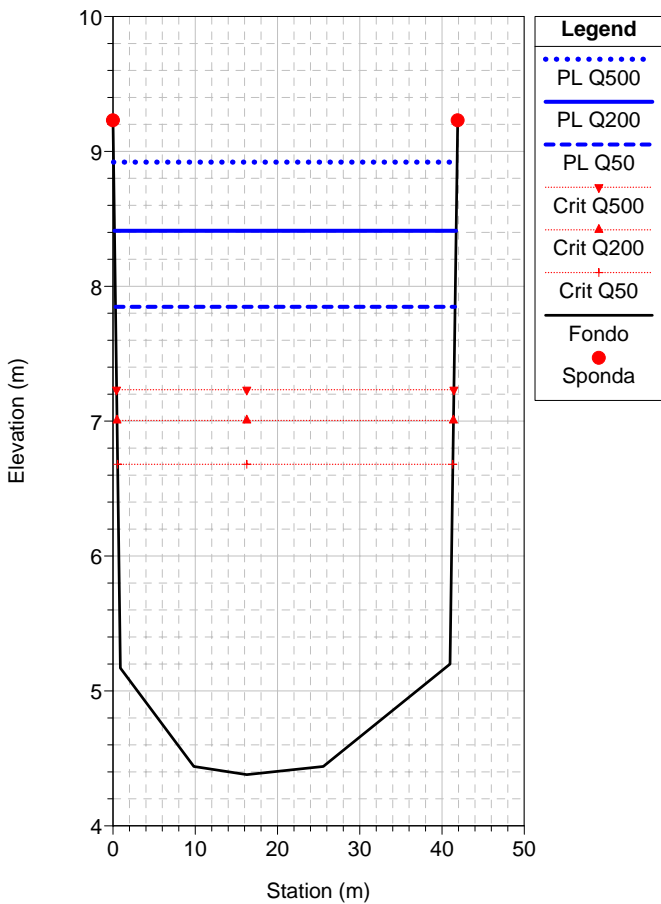
Leiro - post rilievo fine 2006  
LEI\_S 19



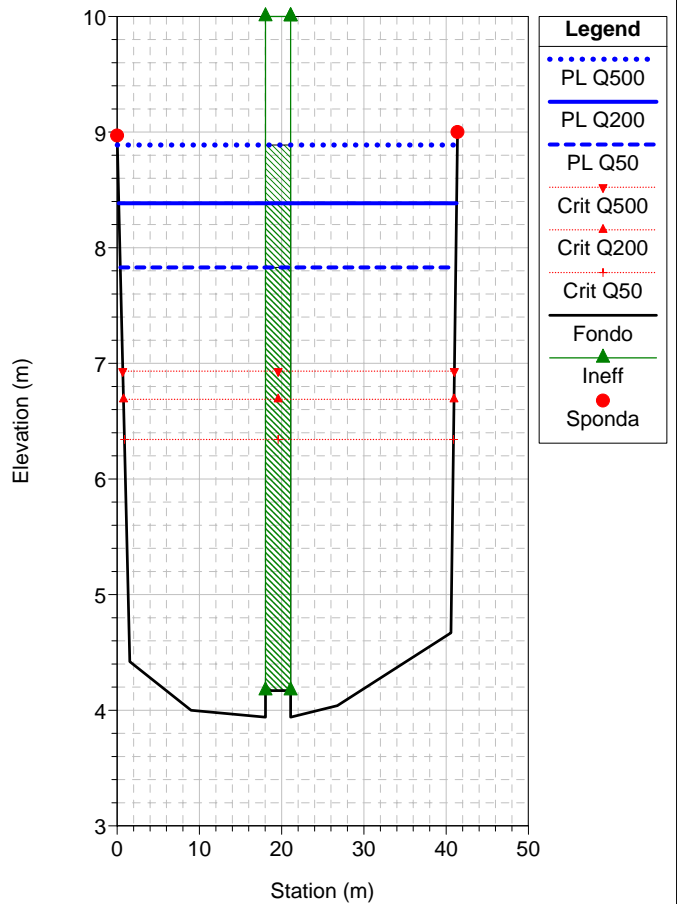
Leiro - post rilievo fine 2006  
LEI\_S 19



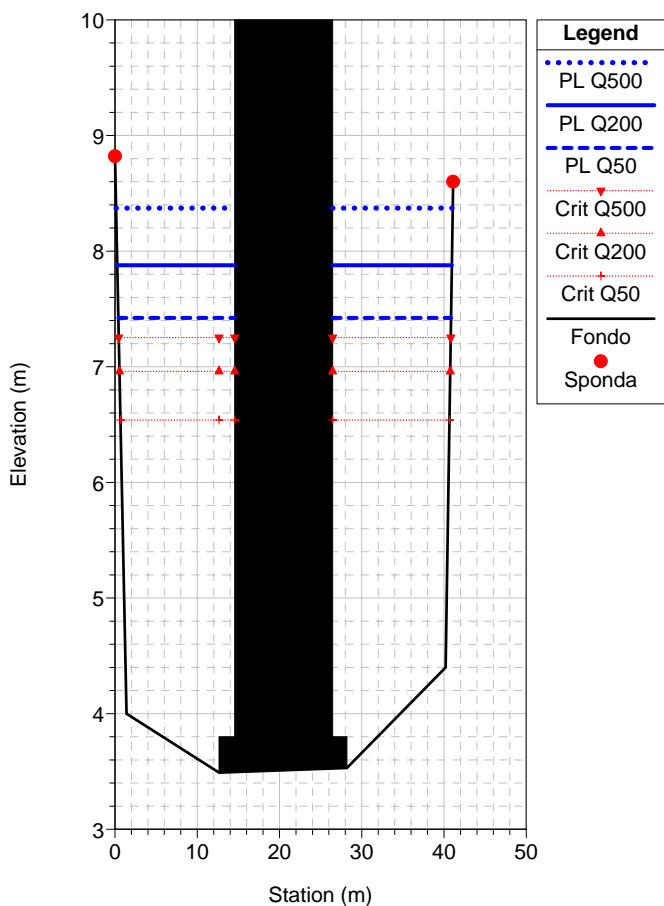
Leiro - post rilievo fine 2006  
LEI\_S 18



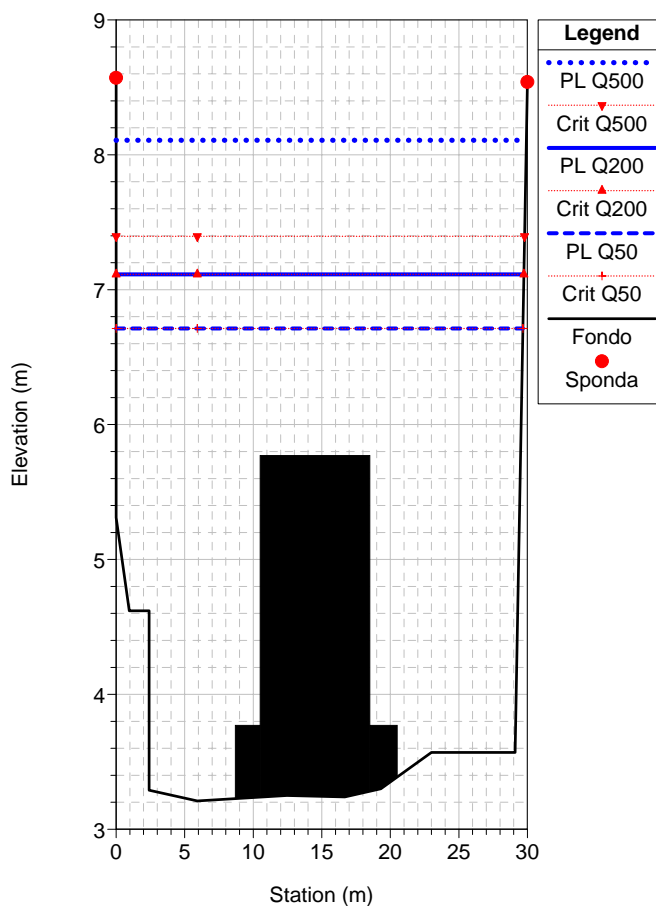
Leiro - post rilievo fine 2006  
LEI\_S 17



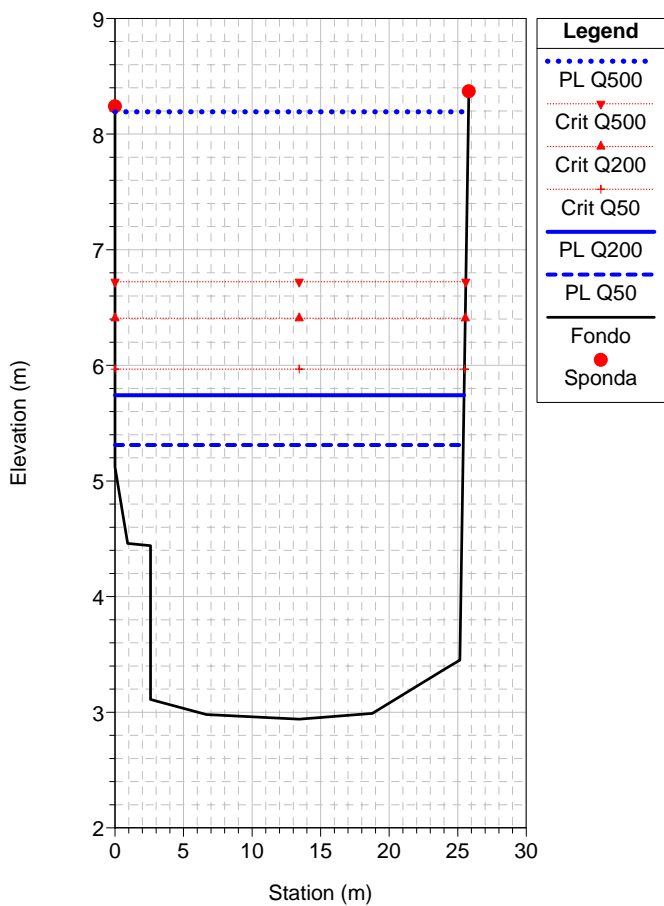
Leiro - post rilievo fine 2006  
LEI\_S 16



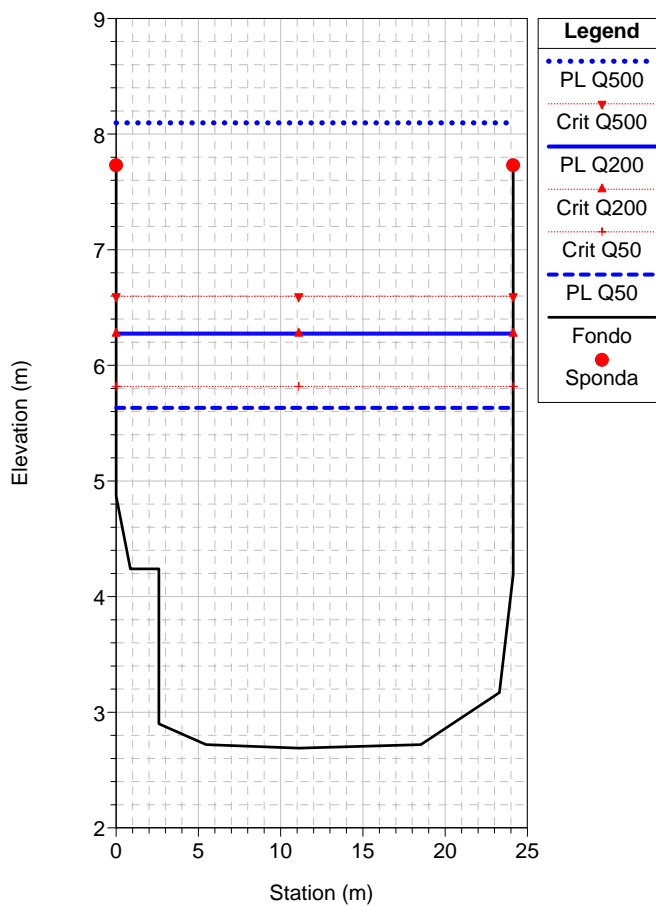
Leiro - post rilievo fine 2006  
LEI\_S 15

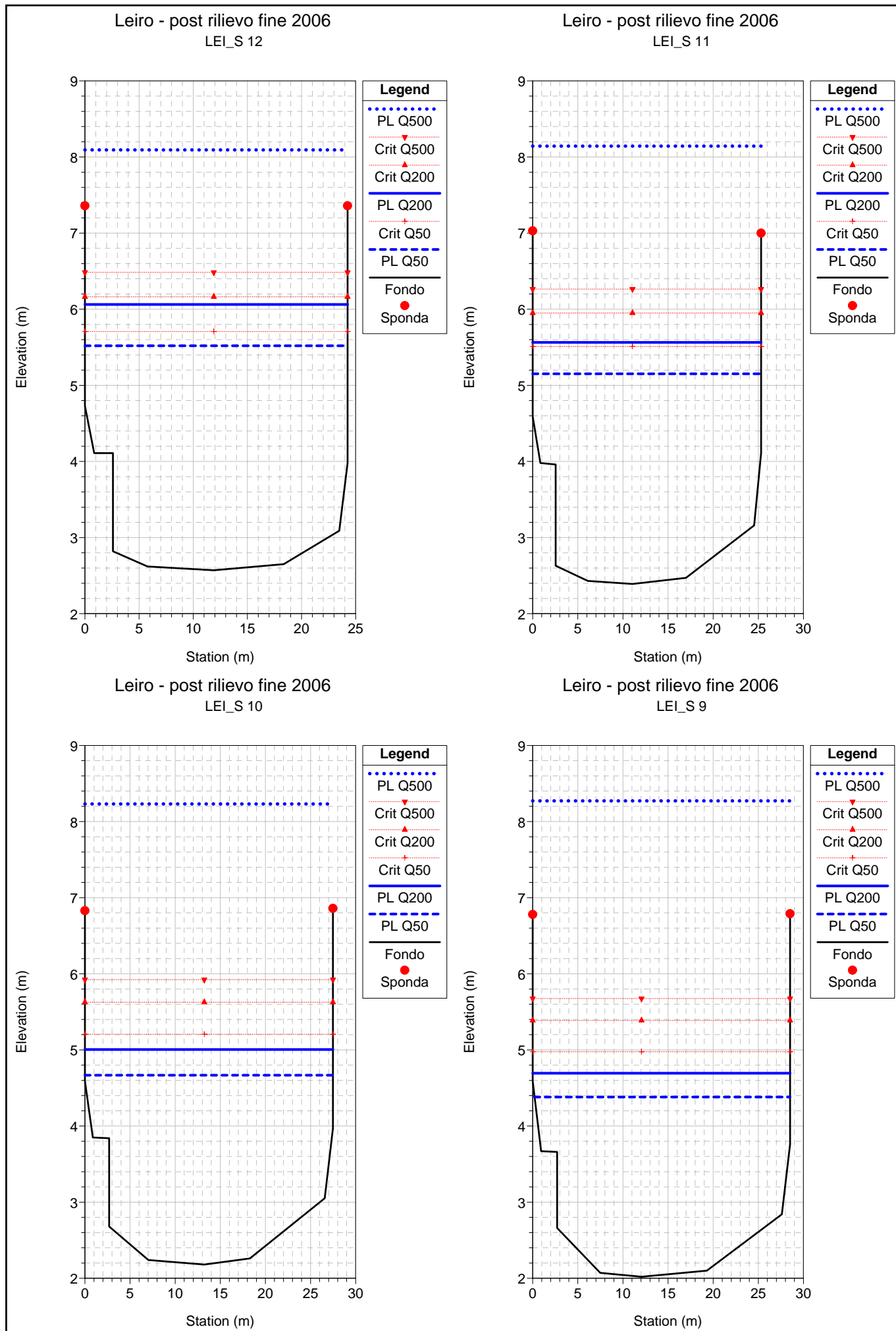


Leiro - post rilievo fine 2006  
LEI\_S 14

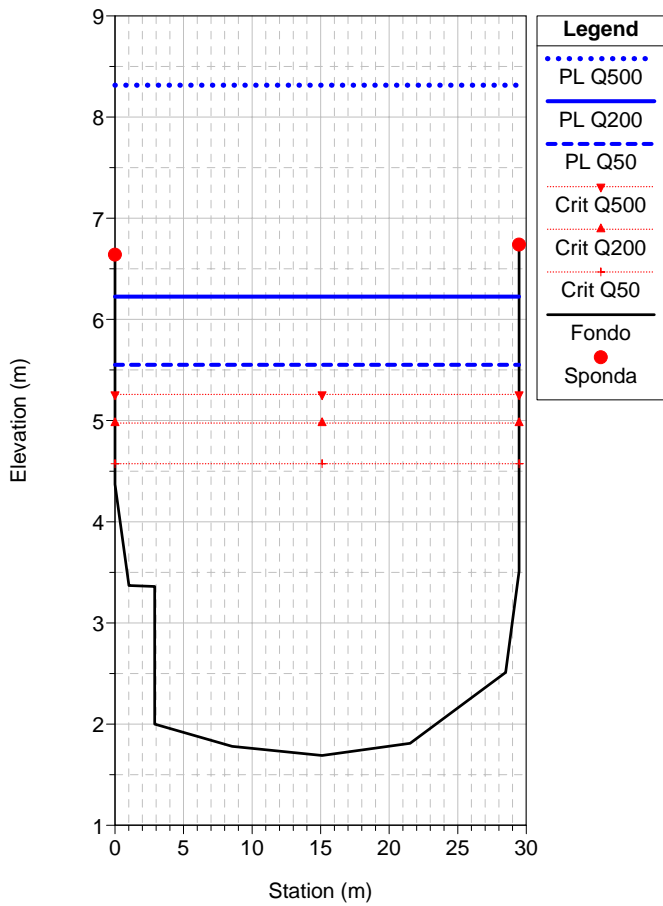


Leiro - post rilievo fine 2006  
LEI\_S 13

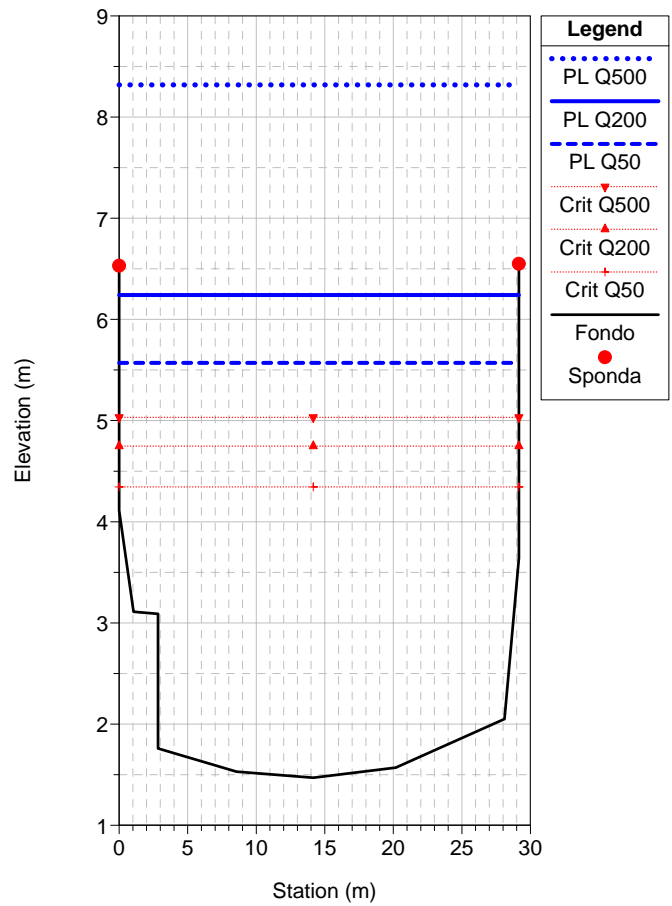




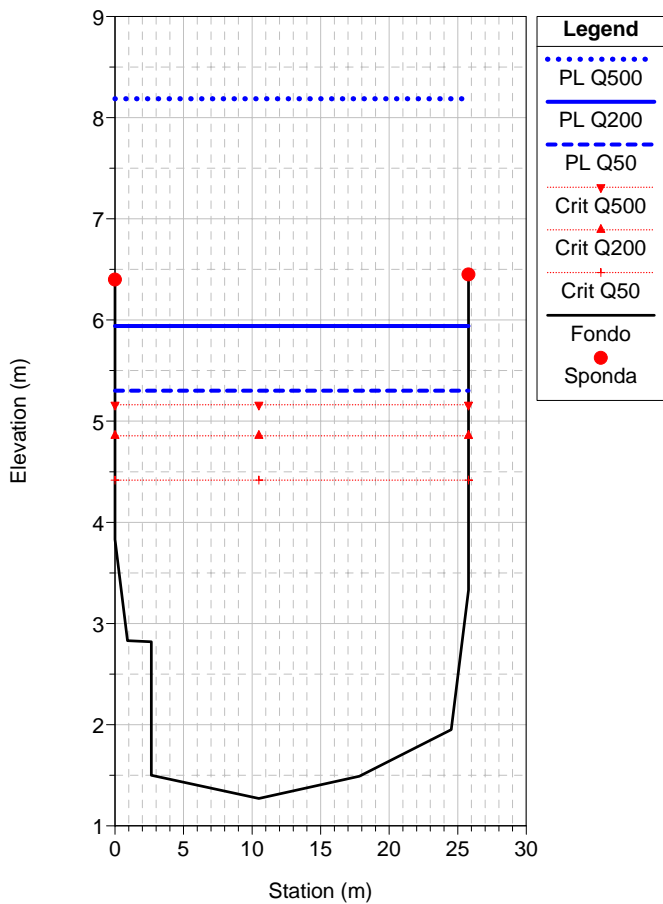
Leiro - post rilievo fine 2006  
LEI\_S 8



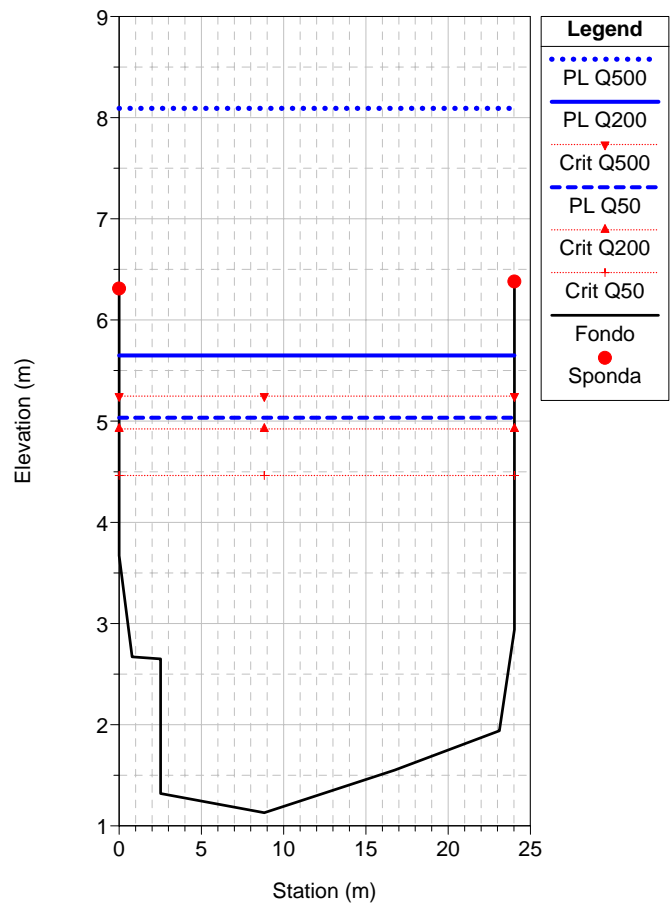
Leiro - post rilievo fine 2006  
LEI\_S 7



Leiro - post rilievo fine 2006  
LEI\_S 6

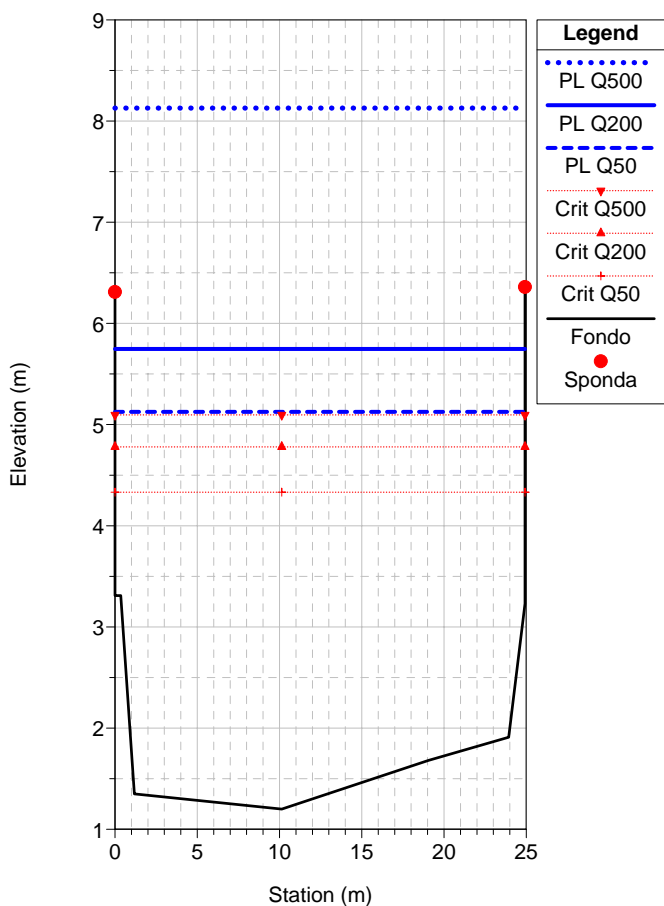


Leiro - post rilievo fine 2006  
LEI\_S 5



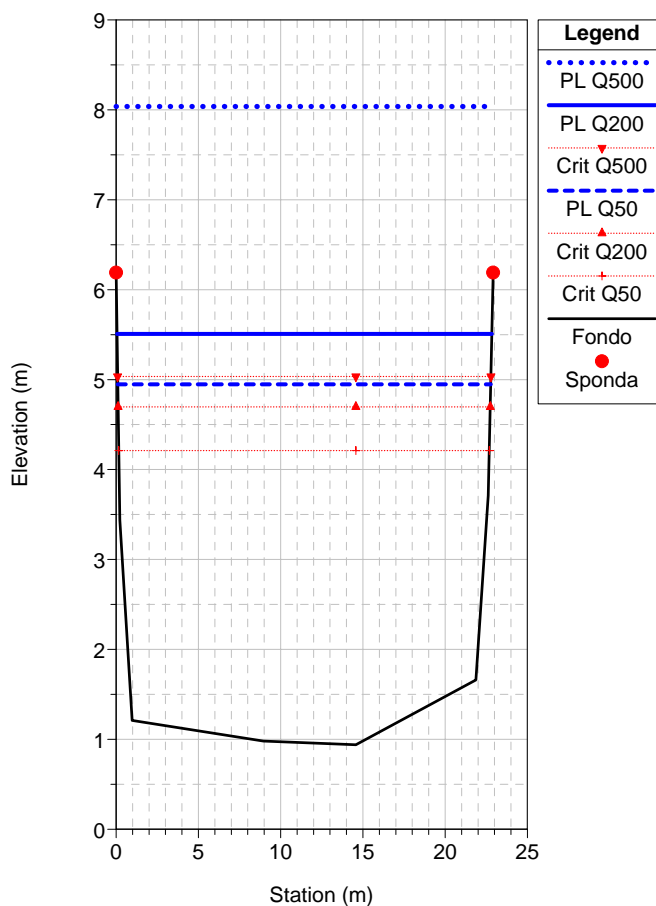
Leiro - post rilievo fine 2006

LEI\_S 4



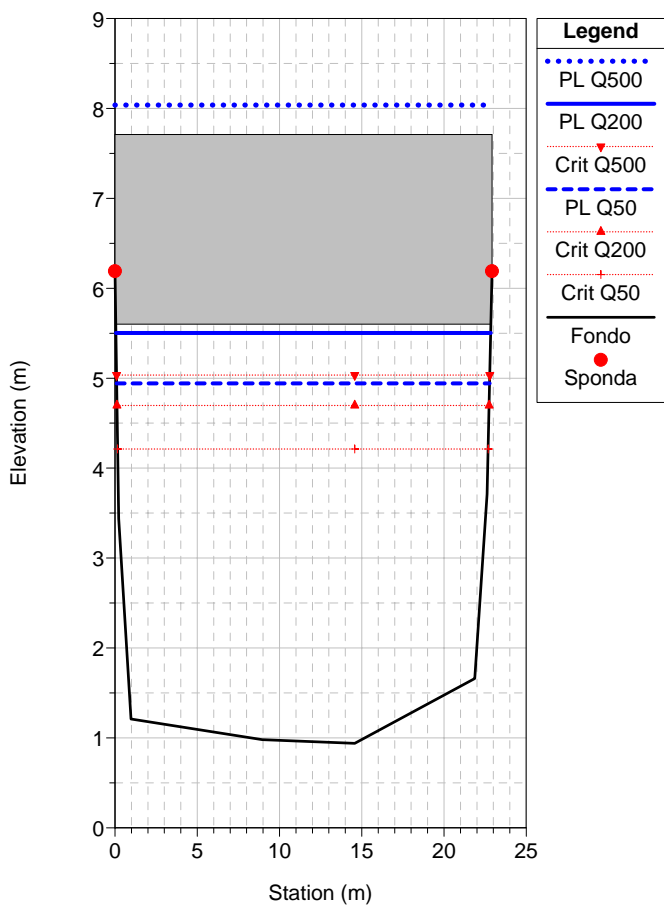
Leiro - post rilievo fine 2006

LEI\_S 3.1



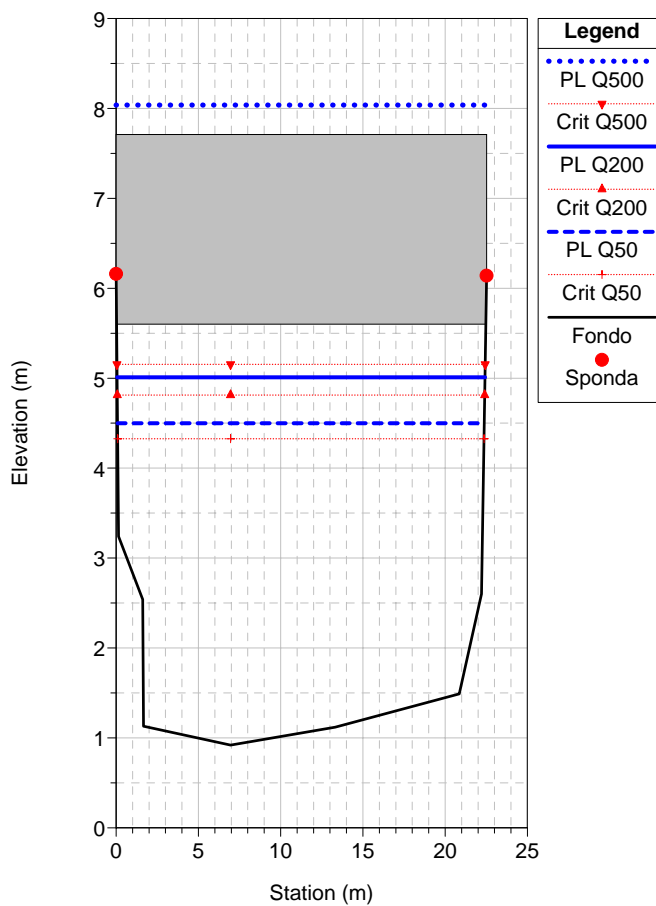
Leiro - post rilievo fine 2006

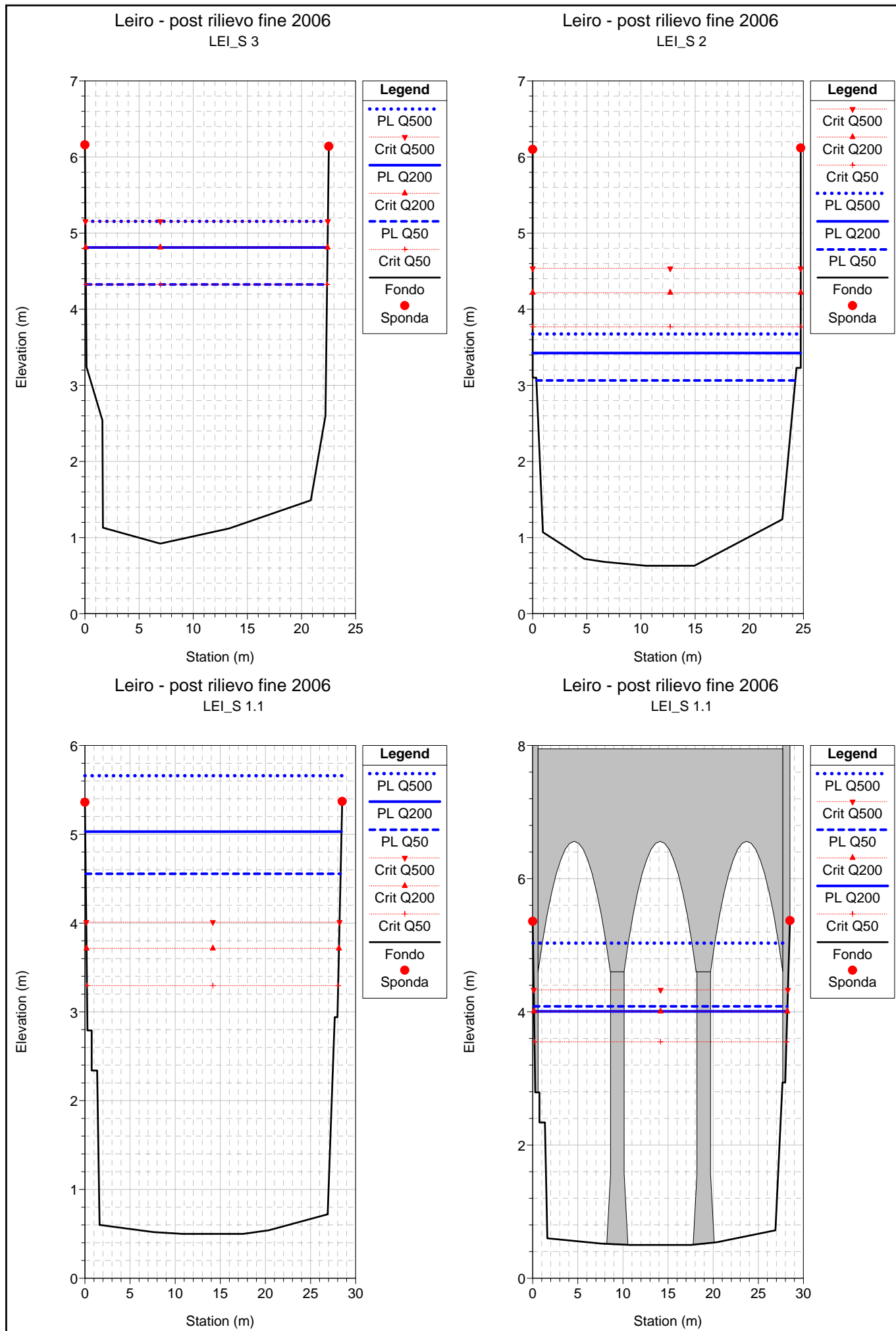
LEI\_S 3



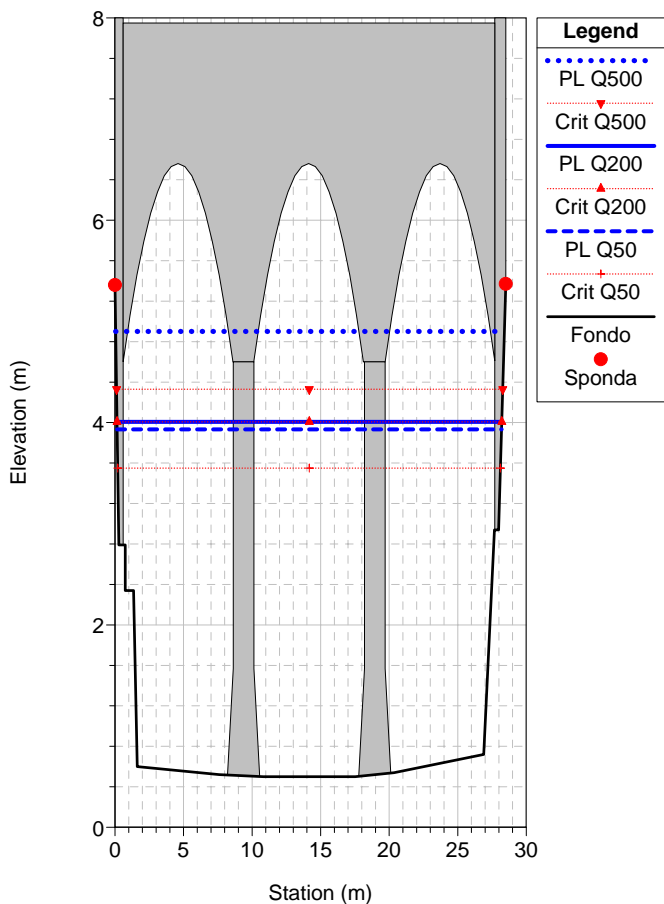
Leiro - post rilievo fine 2006

LEI\_S 3

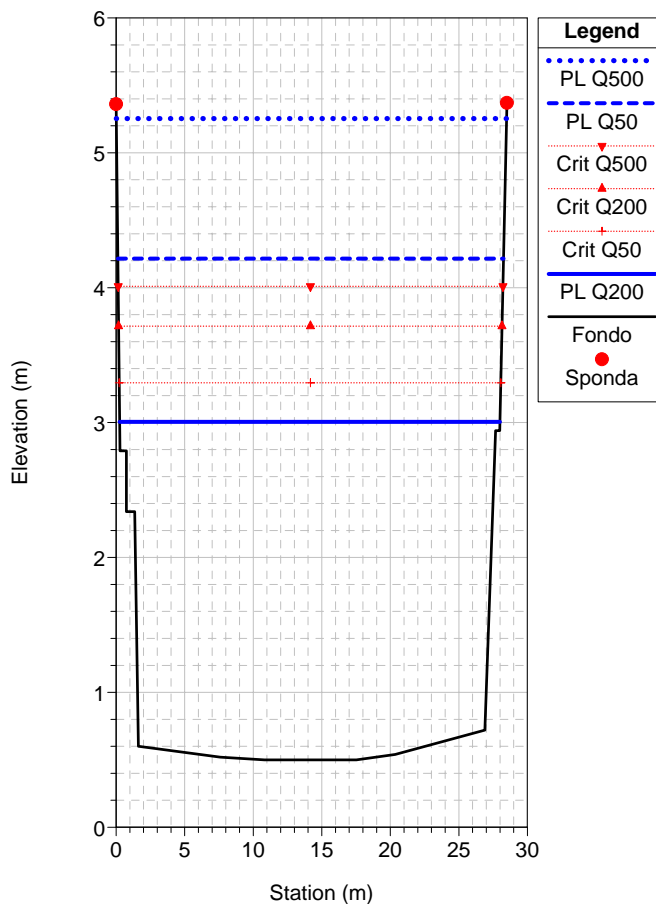




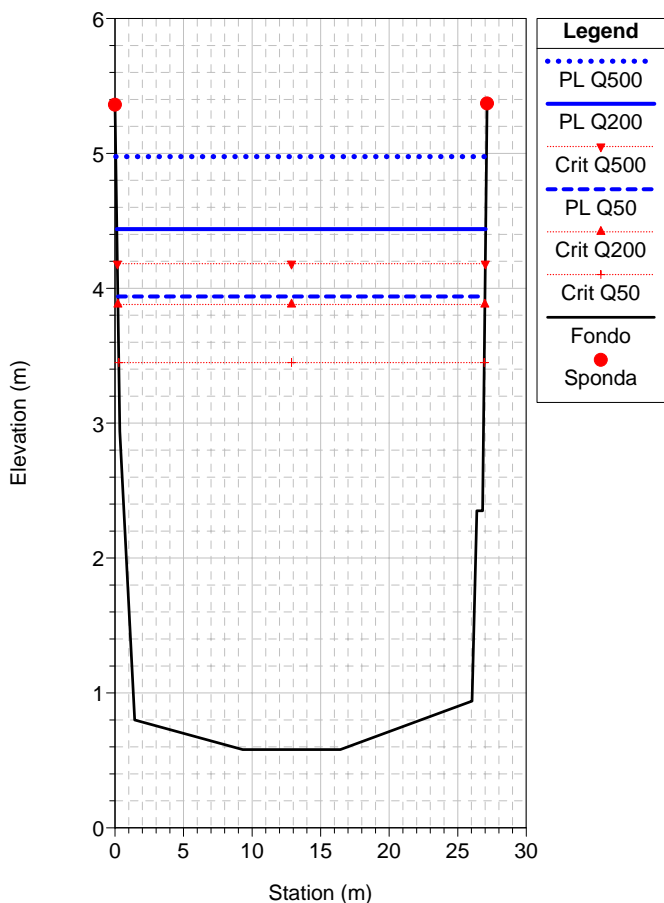
Leiro - post rilievo fine 2006  
LEI\_S 1.1



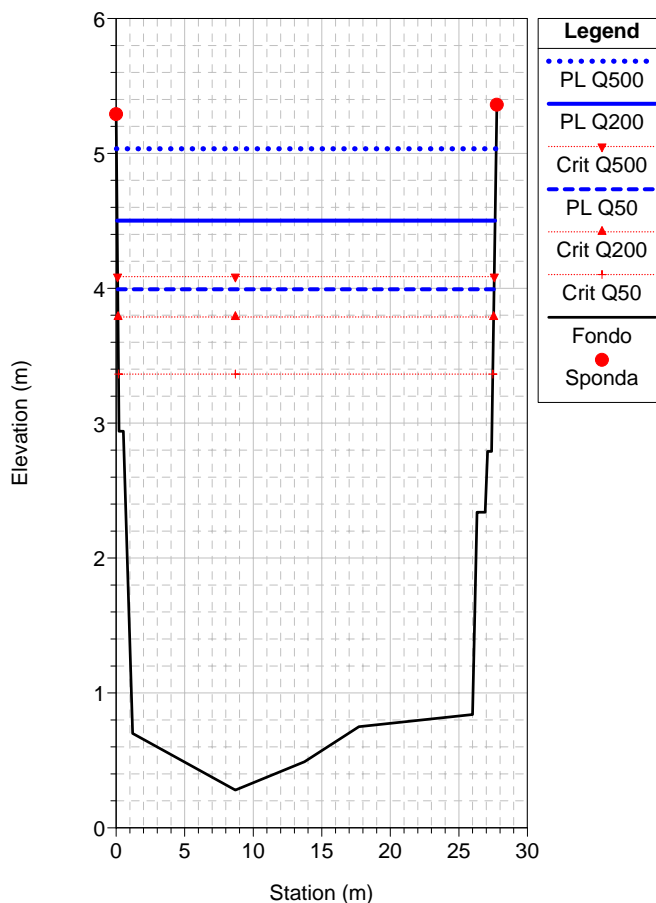
Leiro - post rilievo fine 2006  
LEI\_S 1.1



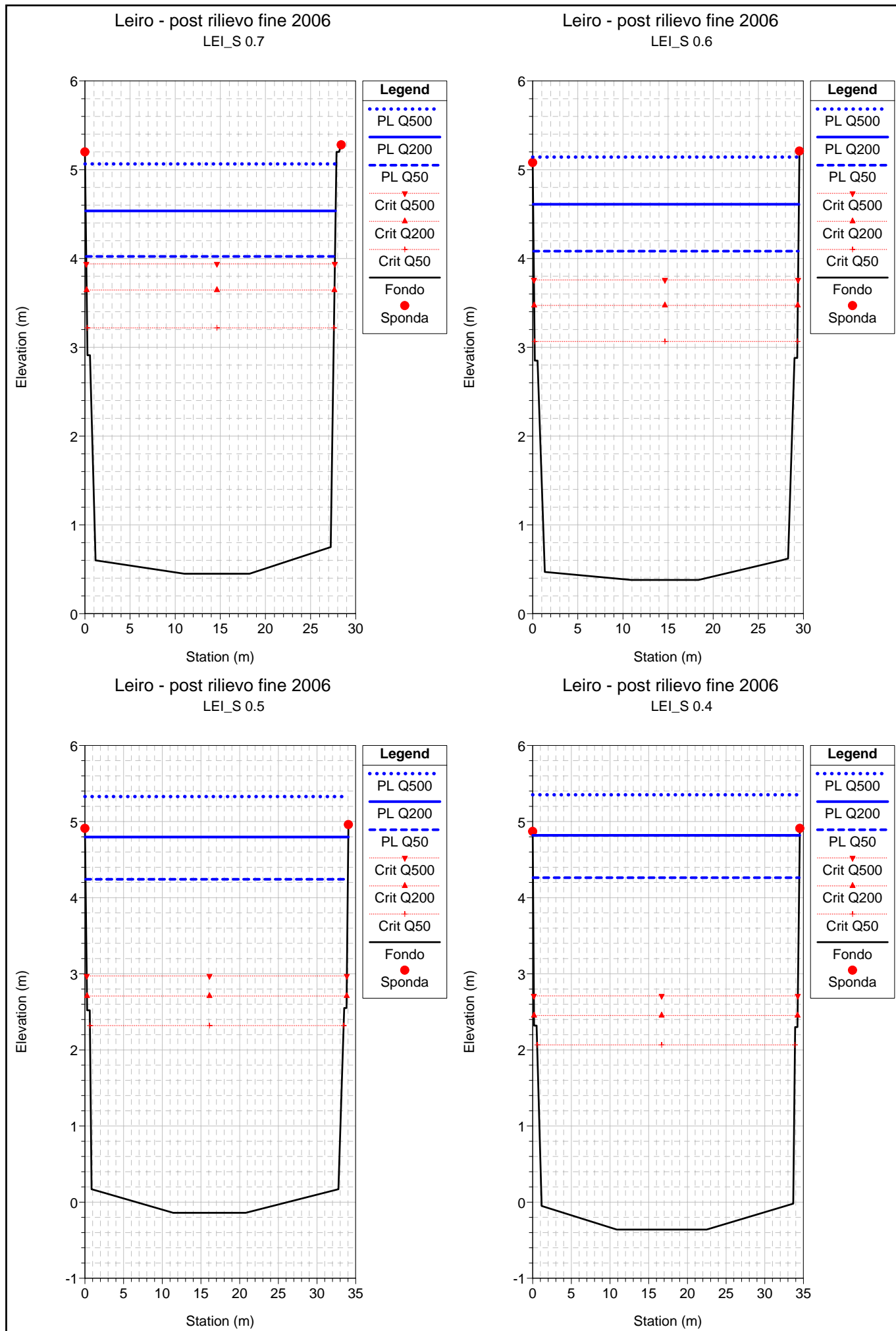
Leiro - post rilievo fine 2006  
LEI\_S 0.9

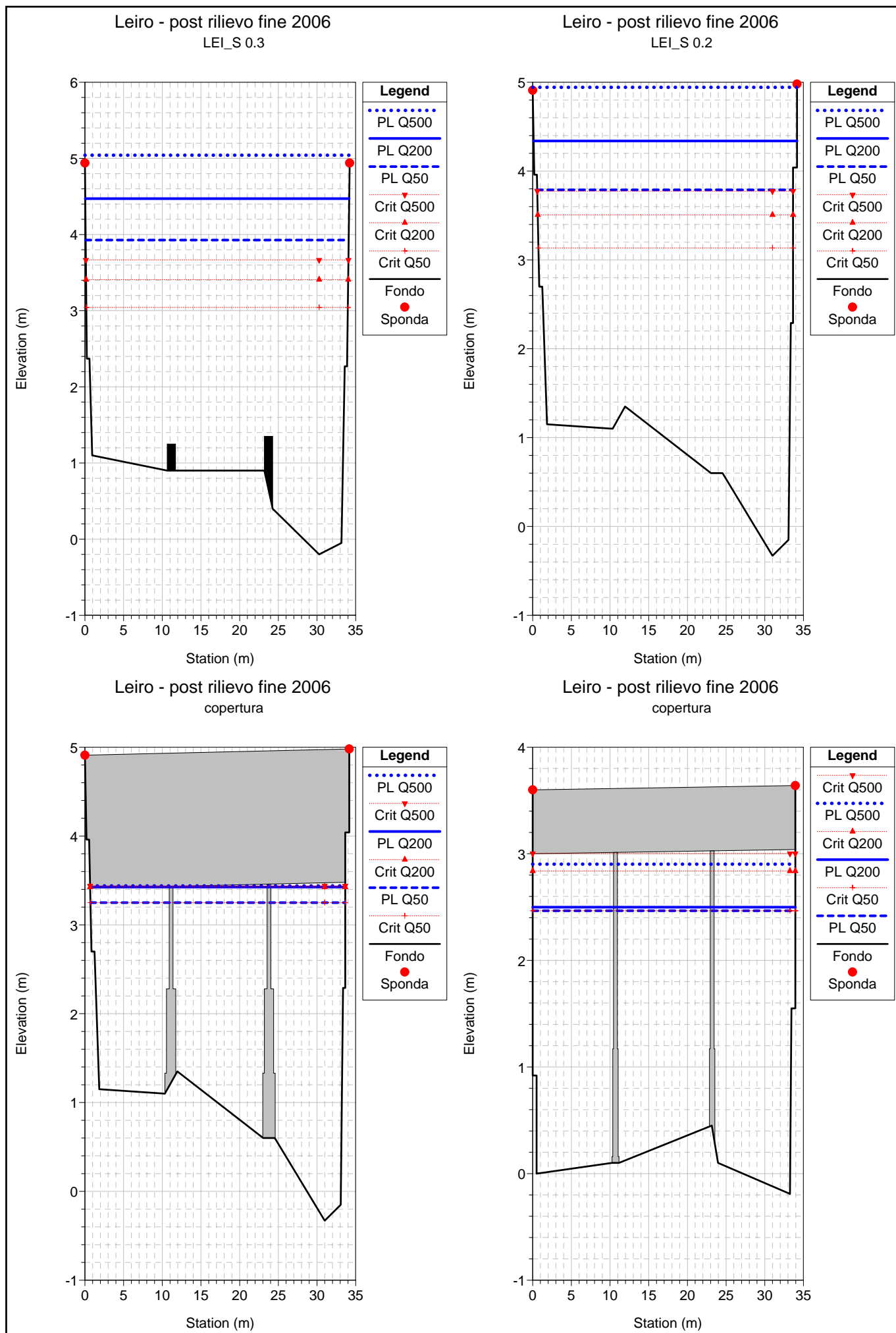


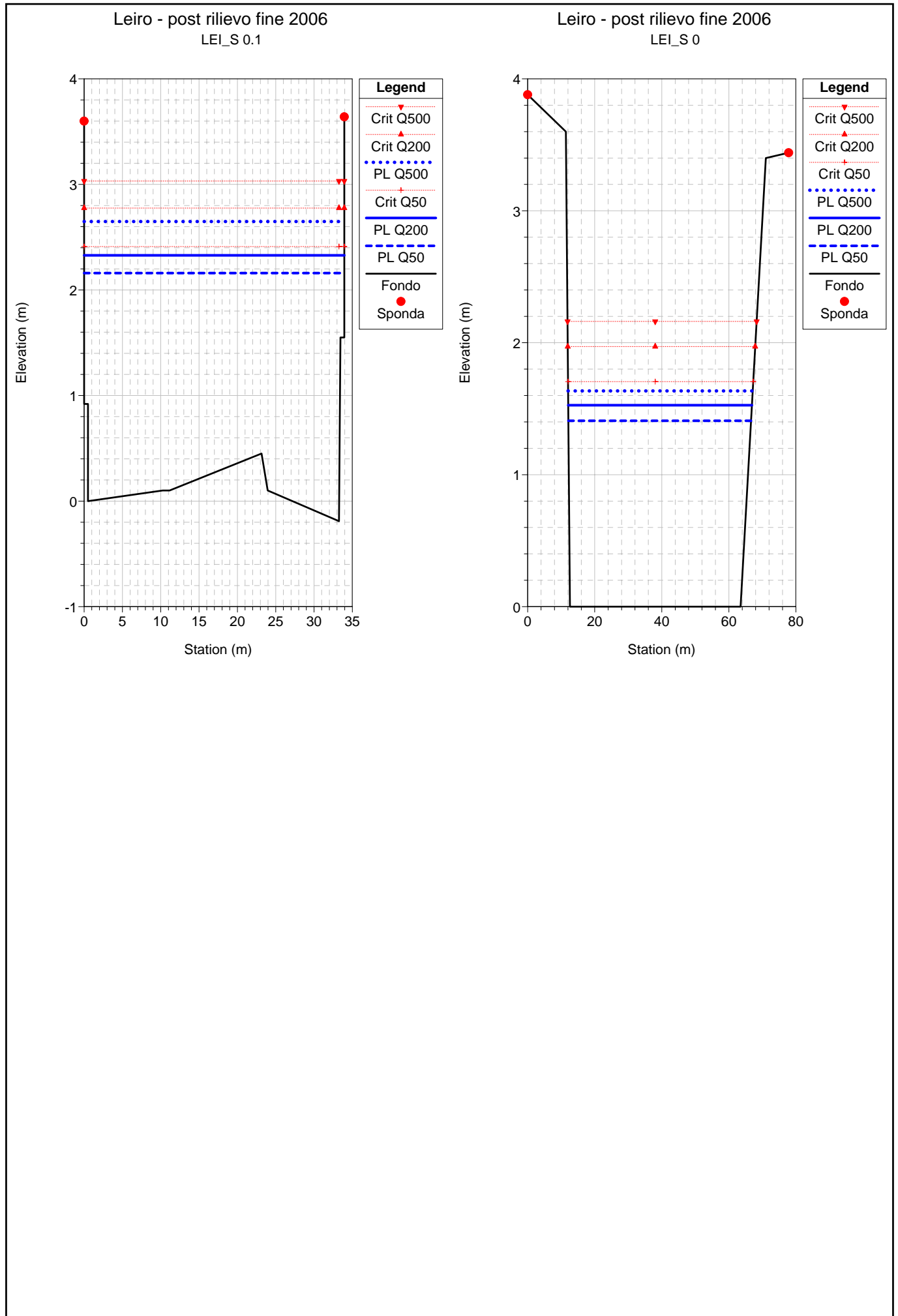
Leiro - post rilievo fine 2006  
LEI\_S 0.8











HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro

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
Leiro	78. LEI_S 55	Q50	362.00	27.10	31.08	32.00	0.92	30.60	-0.48	30.01	31.65	0.002361	3.34	108.37	31.41	0.57
Leiro	78. LEI_S 55	Q200	453.00	27.10	31.81	32.00	0.19	30.60	-1.21	30.40	32.41	0.002061	3.45	131.17	31.41	0.54
Leiro	78. LEI_S 55	Q500	521.00	27.10	32.31	32.00	-0.31	30.60	-1.71	30.67	32.95	0.001928	3.54	147.08	31.41	0.52
Leiro	77.1	Q50	362.00	26.82	29.93	31.00	1.07	29.75	-0.18	29.93	31.47	0.008408	5.50	65.79	21.30	1.00
Leiro	77.1	Q200	453.00	26.82	30.43	31.00	0.57	29.75	-0.68	30.43	32.22	0.008399	5.93	76.37	21.30	1.00
Leiro	77.1	Q500	521.00	26.82	30.78	31.00	0.22	29.75	-1.03	30.78	32.74	0.008418	6.22	83.82	21.30	1.00
Leiro	76.9 LEI_S 54	Q50	362.00	24.90	26.85	31.00	4.15	29.55	2.70	28.10	31.16	0.039085	9.20	39.33	20.37	2.11
Leiro	76.9 LEI_S 54	Q200	453.00	24.90	27.24	31.00	3.76	29.55	2.31	28.61	31.90	0.034412	9.56	47.36	20.42	2.00
Leiro	76.9 LEI_S 54	Q500	521.00	24.90	27.52	31.00	3.48	29.55	2.03	28.97	32.42	0.031983	9.81	53.13	20.45	1.94
Leiro	76. LEI_S 53	Q50	362.00	24.72	26.60	28.00	1.40	28.09	1.49	27.66	30.22	0.036900	8.43	42.94	24.82	2.05
Leiro	76. LEI_S 53	Q200	453.00	24.72	26.87	28.00	1.13	28.09	1.22	28.11	31.08	0.036060	9.09	49.86	24.88	2.05
Leiro	76. LEI_S 53	Q500	521.00	24.72	27.08	28.00	0.92	28.09	1.01	28.42	31.67	0.035271	9.49	54.89	24.92	2.04
Leiro	75. LEI_S 52	Q50	362.00	23.29	25.86	28.00	2.14	26.56	0.70	26.60	28.38	0.025483	7.04	51.43	28.74	1.68
Leiro	75. LEI_S 52	Q200	453.00	23.29	26.09	28.00	1.91	26.56	0.47	27.01	29.20	0.027240	7.81	57.98	28.79	1.76
Leiro	75. LEI_S 52	Q500	521.00	23.29	26.25	28.00	1.75	26.56	0.31	27.29	29.77	0.028245	8.32	62.61	28.83	1.80
Leiro	74. LEI_S 51	Q50	362.00	22.80	26.48	28.00	1.52	26.03	-0.45	26.25	27.71	0.006295	4.93	73.47	23.70	0.89
Leiro	74. LEI_S 51	Q200	453.00	22.80	27.05	28.00	0.95	26.03	-1.02	26.71	28.43	0.005874	5.20	87.17	23.70	0.87
Leiro	74. LEI_S 51	Q500	521.00	22.80	27.47	28.00	0.53	26.03	-1.44	27.04	28.94	0.005658	5.38	96.91	23.70	0.85
Leiro	73. LEI_S 50	Q50	362.00	21.69	25.65	28.88	3.23	26.29	0.64	25.82	27.37	0.010383	5.80	62.38	21.39	1.08
Leiro	73. LEI_S 50	Q200	453.00	21.69	26.18	28.88	2.70	26.29	0.11	26.32	28.10	0.009833	6.15	73.63	21.50	1.06
Leiro	73. LEI_S 50	Q500	521.00	21.69	26.51	28.88	2.37	26.29	-0.22	26.66	28.63	0.009831	6.45	80.82	21.53	1.06
Leiro	72. LEI_S 49	Q50	362.00	21.65	25.15	28.47	3.32	26.50	1.35	25.42	27.04	0.010996	6.08	59.56	20.49	1.14
Leiro	72. LEI_S 49	Q200	453.00	21.65	26.08	28.47	2.39	26.50	0.42	25.93	27.77	0.007463	5.76	78.70	20.65	0.94
Leiro	72. LEI_S 49	Q500	521.00	21.65	26.44	28.47	2.03	26.50	0.06	26.29	28.31	0.007588	6.06	86.02	20.71	0.95
Leiro	71. LEI_S 48	Q50	362.00	21.27	25.01	30.15	5.14	26.50	1.49	25.23	26.82	0.011109	5.97	60.61	20.69	1.11
Leiro	71. LEI_S 48	Q200	453.00	21.27	25.74	30.15	4.41	26.50	0.76	25.74	27.56	0.008829	5.97	75.87	20.90	1.00
Leiro	71. LEI_S 48	Q500	521.00	21.27	26.10	30.15	4.05	26.50	0.40	26.10	28.09	0.008798	6.24	83.43	21.00	1.00
Leiro	70. LEI_S 47	Q50	362.00	20.96	24.81	30.15	5.34	26.50	1.69	25.11	26.61	0.012057	5.94	60.98	23.44	1.17
Leiro	70. LEI_S 47	Q200	453.00	20.96	25.25	30.15	4.90	26.50	1.25	25.58	27.31	0.011672	6.36	71.28	23.59	1.17
Leiro	70. LEI_S 47	Q500	521.00	20.96	25.50	30.15	4.65	26.50	1.00	25.92	27.83	0.012192	6.77	77.01	23.66	1.20
Leiro	69. LEI_S 46	Q50	362.00	20.90	23.75	28.77	5.02	26.18	2.43	24.36	26.17	0.016247	6.90	52.47	20.21	1.37
Leiro	69. LEI_S 46	Q200	453.00	20.90	24.27	28.77	4.50	26.18	1.91	24.87	26.90	0.014626	7.20	62.95	20.34	1.31
Leiro	69. LEI_S 46	Q500	521.00	20.90	24.61	28.77	4.16	26.18	1.57	25.24	27.44	0.014094	7.45	69.95	20.43	1.28
Leiro	68.01 LEI_S 45.1	Q50	362.00	20.17	22.11	24.06	1.95	26.06	3.95	23.02	25.20	0.027590	7.79	46.49	24.00	1.79
Leiro	68.01 LEI_S 45.1	Q200	453.00	20.17	22.44	24.06	1.62	26.06	3.62	23.48	25.96	0.026302	8.32	54.46	24.00	1.76
Leiro	68.01 LEI_S 45.1	Q500	521.00	20.17	22.67	24.06	1.39	26.06	3.39	23.81	26.51	0.025692	8.68	60.04	24.00	1.75
Leiro	68. LEI_S 45	Q50	362.00	17.87	19.30	24.06	4.76	26.06	6.76	20.72	24.94	0.071500	10.51	34.43	24.00	2.80
Leiro	68. LEI_S 45	Q200	453.00	17.87	19.59	24.06	4.47	26.06	6.47	21.18	25.70	0.062419	10.95	41.38	24.00	2.66

HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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
Leiro	68. LEI_S 45	Q500	521.00	17.87	19.80	24.06	4.26	26.06	6.26	21.51	26.24	0.057772	11.25	46.33	24.00	2.58
Leiro	67. LEI_S 44	Q50	362.00	17.62	19.43	23.80	4.37	24.48	5.05	20.64	23.62	0.041014	9.07	39.91	22.00	2.15
Leiro	67. LEI_S 44	Q200	453.00	17.62	19.76	23.80	4.04	24.48	4.72	21.13	24.49	0.038532	9.64	46.99	22.00	2.11
Leiro	67. LEI_S 44	Q500	521.00	17.62	19.99	23.80	3.81	24.48	4.49	21.47	25.09	0.037032	10.00	52.07	22.00	2.08
Leiro	66.3 LEI_S 43.1	Q50	362.00	17.14	21.23	22.60	1.37	22.85	1.62	20.59	22.46	0.005500	4.92	73.54	18.00	0.78
Leiro	66.3 LEI_S 43.1	Q200	453.00	17.14	21.98	22.60	0.62	22.85	0.87	21.15	23.36	0.005267	5.20	87.17	18.00	0.75
Leiro	66.3 LEI_S 43.1	Q500	521.00	17.14	22.51	22.60	0.09	22.85	0.34	21.54	23.99	0.005176	5.39	96.74	18.00	0.74
Leiro	66.2	Bridge														
Leiro	66.1 LEI_S 43.1	Q50	362.00	17.14	21.13	22.60	1.47	22.85	1.72	20.59	22.43	0.005873	5.03	71.90	18.00	0.80
Leiro	66.1 LEI_S 43.1	Q200	453.00	17.14	21.91	22.60	0.69	22.85	0.94	21.15	23.33	0.005508	5.28	85.82	18.00	0.77
Leiro	66.1 LEI_S 43.1	Q500	521.00	17.14	22.45	22.60	0.15	22.85	0.40	21.54	23.96	0.005370	5.46	95.50	18.00	0.76
Leiro	65. LEI_S 42	Q50	362.00	16.93	21.31	23.83	2.52	23.97	2.66	20.26	22.27	0.003939	4.35	83.22	19.00	0.66
Leiro	65. LEI_S 42	Q200	453.00	16.93	22.09	23.83	1.74	23.97	1.88	20.80	23.18	0.003850	4.62	97.97	19.00	0.65
Leiro	65. LEI_S 42	Q500	521.00	16.93	22.63	23.83	1.20	23.97	1.34	21.18	23.81	0.003828	4.81	108.30	19.00	0.64
Leiro	64. LEI_S 41	Q50	362.00	16.45	20.18	22.16	1.98	21.94	1.76	20.18	22.02	0.009286	6.00	60.31	16.44	1.00
Leiro	64. LEI_S 41	Q200	453.00	16.45	20.78	22.16	1.38	21.94	1.16	20.78	22.90	0.009392	6.46	70.13	16.49	1.00
Leiro	64. LEI_S 41	Q500	521.00	16.45	21.19	22.16	0.97	21.94	0.75	21.19	23.53	0.009509	6.77	77.00	16.52	1.00
Leiro	63. LEI_S 40	Q50	362.00	16.58	19.08	21.50	2.42	22.00	2.92	19.25	20.61	0.009978	5.47	66.20	26.45	1.10
Leiro	63. LEI_S 40	Q200	453.00	16.58	19.50	21.50	2.00	22.00	2.50	19.68	21.25	0.009691	5.87	77.20	26.45	1.10
Leiro	63. LEI_S 40	Q500	521.00	16.58	19.50	21.50	2.00	22.00	2.50	20.10	21.82	0.012802	6.75	77.24	26.45	1.26
Leiro	62. LEI_S 39	Q50	362.00	15.25	17.75	20.05	2.30	20.60	2.85	17.99	19.33	0.010573	5.56	65.11	27.74	1.16
Leiro	62. LEI_S 39	Q200	453.00	15.25	18.11	20.05	1.94	20.60	2.49	18.41	19.97	0.010620	6.04	75.06	27.74	1.17
Leiro	62. LEI_S 39	Q500	521.00	15.25	18.38	20.05	1.67	20.60	2.22	18.71	20.41	0.010514	6.32	82.41	27.74	1.17
Leiro	61. LEI_S 38	Q50	362.00	13.95	17.07	18.20	1.13	19.43	2.36	16.61	17.93	0.004556	4.10	88.19	30.43	0.77
Leiro	61. LEI_S 38	Q200	453.00	13.95	17.68	18.20	0.52	19.43	1.75	17.00	18.60	0.003940	4.24	106.81	30.43	0.72
Leiro	61. LEI_S 38	Q500	521.00	13.95	18.10	18.20	0.10	19.43	1.33	17.28	19.07	0.003697	4.36	119.45	30.43	0.70
Leiro	60. LEI_S 37	Q50	362.00	13.60	16.94	18.15	1.21	19.11	2.17	16.48	17.86	0.004773	4.26	84.99	28.07	0.78
Leiro	60. LEI_S 37	Q200	453.00	13.60	17.51	18.15	0.64	19.11	1.60	16.89	18.54	0.004371	4.48	101.18	28.07	0.75
Leiro	60. LEI_S 37	Q500	521.00	13.60	17.90	18.15	0.25	19.11	1.21	17.18	19.00	0.004229	4.65	112.12	28.07	0.74
Leiro	59. LEI_S 36	Q50	362.00	13.48	16.38	18.13	1.75	17.85	1.47	16.38	17.74	0.008015	5.17	70.04	25.75	1.00
Leiro	59. LEI_S 36	Q200	453.00	13.48	16.82	18.13	1.31	17.85	1.03	16.82	18.40	0.007908	5.57	81.36	25.75	1.00
Leiro	59. LEI_S 36	Q500	521.00	13.48	17.13	18.13	1.00	17.85	0.72	17.13	18.86	0.007858	5.83	89.34	25.75	1.00
Leiro	58. LEI_S 35	Q50	362.00	12.50	15.19	18.00	2.81	16.74	1.55	15.60	17.06	0.013255	6.07	59.67	26.19	1.28
Leiro	58. LEI_S 35	Q200	453.00	12.50	15.56	18.00	2.44	16.74	1.18	16.03	17.73	0.012888	6.52	69.52	26.19	1.28
Leiro	58. LEI_S 35	Q500	521.00	12.50	15.83	18.00	2.17	16.74	0.91	16.34	18.19	0.012664	6.81	76.54	26.19	1.27
Leiro	57. LEI_S 34	Q50	362.00	11.45	13.59	16.66	3.07	16.61	3.02	14.29	15.95	0.025042	6.81	53.17	34.12	1.74
Leiro	57. LEI_S 34	Q200	453.00	11.45	13.83	16.66	2.83	16.61	2.78	14.65	16.62	0.025029	7.41	61.15	34.12	1.77

HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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
Leiro	57. LEI_S 34	Q500	521.00	11.45	13.99	16.66	2.67	16.61	2.62	14.91	17.09	0.024940	7.80	66.81	34.12	1.78
Leiro	56. LEI_S 33	Q50	362.00	11.14	14.18	16.47	2.29	16.56	2.38	13.18	14.64	0.002250	3.01	120.10	39.57	0.55
Leiro	56. LEI_S 33	Q200	453.00	11.14	14.66	16.47	1.81	16.56	1.90	13.51	15.20	0.002216	3.25	139.20	39.57	0.55
Leiro	56. LEI_S 33	Q500	521.00	11.14	15.00	16.47	1.47	16.56	1.56	13.74	15.59	0.002190	3.41	152.82	39.57	0.55
Leiro	55.2 LEI_S 32 m	Q50	362.00	11.10	14.18	16.43	2.25	16.52	2.34	13.14	14.63	0.002142	2.97	122.00	39.57	0.54
Leiro	55.2 LEI_S 32 m	Q200	453.00	11.10	14.67	16.43	1.76	16.52	1.85	13.47	15.19	0.002123	3.21	141.11	39.57	0.54
Leiro	55.2 LEI_S 32 m	Q500	521.00	11.10	15.01	16.43	1.42	16.52	1.51	13.70	15.59	0.002107	3.37	154.73	39.57	0.54
Leiro	55.15		Bridge													
Leiro	55.1 LEI_S 32 v	Q50	362.00	11.10	14.12	16.43	2.31	16.52	2.40	13.14	14.58	0.002297	3.03	119.33	39.57	0.56
Leiro	55.1 LEI_S 32 v	Q200	453.00	11.10	14.59	16.43	1.84	16.52	1.93	13.47	15.14	0.002275	3.28	138.03	39.57	0.56
Leiro	55.1 LEI_S 32 v	Q500	521.00	11.10	14.92	16.43	1.51	16.52	1.60	13.70	15.53	0.002257	3.44	151.34	39.57	0.56
Leiro	54.	Q50	362.00	11.10	14.10	16.43	2.33	16.52	2.42	13.14	14.58	0.002329	3.05	118.80	39.57	0.56
Leiro	54.	Q200	453.00	11.10	14.58	16.43	1.85	16.52	1.94	13.47	15.13	0.002302	3.29	137.51	39.57	0.56
Leiro	54.	Q500	521.00	11.10	14.91	16.43	1.52	16.52	1.61	13.70	15.52	0.002281	3.45	150.83	39.57	0.56
Leiro	53. LEI_S 30	Q50	362.00	10.87	14.03	16.77	2.74	15.63	1.60	13.16	14.55	0.002564	3.18	113.92	38.69	0.59
Leiro	53. LEI_S 30	Q200	453.00	10.87	14.50	16.77	2.27	15.63	1.13	13.49	15.10	0.002527	3.43	132.00	38.69	0.59
Leiro	53. LEI_S 30	Q500	521.00	10.87	14.83	16.77	1.94	15.63	0.80	13.73	15.49	0.002499	3.60	144.89	38.69	0.59
Leiro	52. LEI_S 29	Q50	362.00	10.67	14.07	16.92	2.85	16.03	1.96	12.94	14.51	0.001976	2.95	122.55	38.00	0.53
Leiro	52. LEI_S 29	Q200	453.00	10.67	14.53	16.92	2.39	16.03	1.50	13.28	15.07	0.002028	3.23	140.29	38.00	0.54
Leiro	52. LEI_S 29	Q500	521.00	10.67	14.87	16.92	2.05	16.03	1.16	13.52	15.46	0.002054	3.41	152.91	38.00	0.54
Leiro	51. LEI_S 28	Q50	362.00	10.50	13.55	15.80	2.25	18.20	4.65	13.20	14.38	0.004906	4.03	89.81	34.72	0.80
Leiro	51. LEI_S 28	Q200	453.00	10.50	13.97	15.80	1.83	18.20	4.23	13.56	14.93	0.004806	4.35	104.25	34.72	0.80
Leiro	51. LEI_S 28	Q500	521.00	10.50	14.27	15.80	1.53	18.20	3.93	13.81	15.32	0.004722	4.54	114.65	34.72	0.80
Leiro	50.4 LEI_S 27.4	Q50	362.00	10.00	12.64	14.89	2.25	13.22	0.58	12.88	13.97	0.010315	5.10	70.94	37.10	1.18
Leiro	50.4 LEI_S 27.4	Q200	453.00	10.00	12.92	14.89	1.97	13.22	0.30	13.24	14.50	0.010762	5.58	81.13	37.99	1.22
Leiro	50.4 LEI_S 27.4	Q500	521.00	10.00	13.11	14.89	1.78	13.22	0.11	13.47	14.87	0.010923	5.88	88.61	38.63	1.24
Leiro	50.3 LEI_S 27.3	Q50	362.00	8.69	11.26	14.09	2.83	12.44	1.18	11.75	13.16	0.015508	6.11	59.22	30.05	1.39
Leiro	50.3 LEI_S 27.3	Q200	453.00	8.69	11.65	14.09	2.44	12.44	0.79	12.16	13.72	0.013848	6.39	70.93	30.52	1.34
Leiro	50.3 LEI_S 27.3	Q500	521.00	8.69	11.92	14.09	2.17	12.44	0.52	12.44	14.12	0.012948	6.56	79.36	30.86	1.31
Leiro	50.2 LEI_S 27.2	Q50	362.00	8.80	11.77	14.35	2.58	11.90	0.13	11.41	12.74	0.005335	4.38	82.73	28.50	0.82
Leiro	50.2 LEI_S 27.2	Q200	453.00	8.80	12.29	14.35	2.06	11.90	-0.39	11.82	13.39	0.005034	4.65	97.46	28.50	0.80
Leiro	50.2 LEI_S 27.2	Q500	521.00	8.80	12.65	14.35	1.70	11.90	-0.75	12.11	13.84	0.004872	4.83	107.92	28.50	0.79
Leiro	50.1 LEI_S 27.1	Q50	362.00	7.84	11.14	14.78	3.64	10.40	-0.74	11.14	12.48	0.007492	5.12	70.69	26.49	1.00
Leiro	50.1 LEI_S 27.1	Q200	453.00	7.84	11.58	14.78	3.20	10.40	-1.18	11.58	13.13	0.007393	5.52	82.12	26.49	1.00
Leiro	50.1 LEI_S 27.1	Q500	521.00	7.84	11.88	14.78	2.90	10.40	-1.48	11.88	13.58	0.007352	5.78	90.16	26.49	1.00
Leiro	50. LEI_S 27	Q50	362.00	6.94	10.58	12.60	2.02	12.60	2.02	9.51	11.22	0.002759	3.55	101.92	28.00	0.59
Leiro	50. LEI_S 27	Q200	453.00	6.94	11.01	12.60	1.59	12.60	1.59	9.93	11.82	0.003075	3.97	113.96	28.00	0.63

HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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
Leiro	50. LEI_S 27	Q500	521.00	6.94	9.31	12.60	3.30	12.60	3.30	10.22	12.46	0.021771	7.87	66.22	28.00	1.63
Leiro	42 LEI_S 26.5	Q50	362.00	6.88	9.93	12.18	2.25	10.32	0.39	9.93	11.14	0.005228	4.87	74.37	30.82	1.00
Leiro	42 LEI_S 26.5	Q200	453.00	6.88	10.32	12.18	1.86	10.32	0.00	10.32	11.72	0.005106	5.24	86.48	30.94	1.00
Leiro	42 LEI_S 26.5	Q500	521.00	6.88	10.59	12.18	1.59	10.32	-0.27	10.59	12.13	0.005061	5.49	94.89	30.94	1.00
Leiro	41 LEI_S 26	Q50	362.00	6.76	8.89	11.65	2.76	9.95	1.06	9.33	10.58	0.011369	5.76	62.79	36.66	1.41
Leiro	41 LEI_S 26	Q200	453.00	6.76	9.16	11.65	2.49	9.95	0.79	9.67	11.14	0.011123	6.23	72.70	36.66	1.41
Leiro	41 LEI_S 26	Q500	521.00	6.76	9.25	11.65	2.40	9.95	0.69	9.92	11.64	0.012653	6.84	76.21	36.66	1.51
Leiro	40 LEI_S 25	Q50	362.00	6.52	8.42	11.75	3.33	9.98	1.56	9.00	10.42	0.015025	6.26	57.82	36.90	1.60
Leiro	40 LEI_S 25	Q200	453.00	6.52	8.69	11.75	3.06	9.98	1.29	9.34	10.98	0.014272	6.71	67.53	36.90	1.58
Leiro	40 LEI_S 25	Q500	521.00	6.52	8.81	11.75	2.94	9.98	1.17	9.59	11.47	0.015273	7.22	72.14	36.90	1.65
Leiro	39 LEI_S 24	Q50	362.00	6.36	8.60	10.40	1.80	9.20	0.60	8.83	9.98	0.007553	5.20	69.57	34.94	1.18
Leiro	39 LEI_S 24	Q200	453.00	6.36	9.54	10.40	0.86	9.20	-0.34	9.19	10.54	0.003487	4.43	102.33	35.08	0.83
Leiro	39 LEI_S 24	Q500	521.00	6.36	9.87	10.40	0.53	9.20	-0.67	9.44	10.94	0.003284	4.57	114.06	35.08	0.81
Leiro	38 LEI_S 23	Q50	362.00	5.98	9.00	9.71	0.71	9.20	0.20	8.61	9.84	0.003257	4.07	89.02	32.97	0.79
Leiro	38 LEI_S 23	Q200	453.00	5.98	9.47	9.71	0.24	9.20	-0.27	8.98	10.43	0.003093	4.34	104.46	33.01	0.78
Leiro	38 LEI_S 23	Q500	521.00	5.98	9.80	9.71	-0.09	9.20	-0.60	9.24	10.84	0.003016	4.52	115.24	33.01	0.77
Leiro	37 LEI_S 22	Q50	362.00	5.65	8.87	9.59	0.72	8.81	-0.06	8.44	9.73	0.003188	4.09	88.44	31.41	0.78
Leiro	37 LEI_S 22	Q200	453.00	5.65	9.31	9.59	0.28	8.81	-0.50	8.82	10.31	0.003173	4.43	102.31	31.41	0.78
Leiro	37 LEI_S 22	Q500	521.00	5.65	9.62	9.59	-0.03	8.81	-0.81	9.09	10.72	0.003172	4.65	112.01	31.41	0.79
Leiro	36 LEI_S 21	Q50	362.00	5.58	8.38	9.47	1.09	8.38	0.00	8.38	9.59	0.005471	4.87	74.35	30.82	1.00
Leiro	36 LEI_S 21	Q200	453.00	5.58	8.77	9.47	0.70	8.38	-0.39	8.77	10.17	0.005357	5.25	86.34	30.82	1.00
Leiro	36 LEI_S 21	Q500	521.00	5.58	9.06	9.47	0.41	8.38	-0.68	9.04	10.58	0.005224	5.47	95.22	30.82	0.99
Leiro	35 LEI_S 20	Q50	362.00	5.50	7.78	9.41	1.63	8.10	0.32	8.10	9.37	0.008422	5.58	64.90	31.06	1.23
Leiro	35 LEI_S 20	Q200	453.00	5.50	8.13	9.41	1.28	8.10	-0.03	8.48	9.95	0.008101	5.98	75.74	31.22	1.23
Leiro	35 LEI_S 20	Q500	521.00	5.50	9.22	9.41	0.19	8.10	-1.12	8.76	10.36	0.003353	4.74	109.98	31.52	0.81
Leiro	34 LEI_S 20	Q50	362.00	4.68	6.50	9.39	2.89	9.45	2.95	7.32	9.24	0.019878	7.33	49.41	31.41	1.86
Leiro	34 LEI_S 20	Q200	453.00	4.68	6.80	9.39	2.59	9.45	2.65	7.70	9.82	0.017776	7.69	58.87	31.48	1.80
Leiro	34 LEI_S 20	Q500	521.00	4.68	9.57	9.39	-0.18	9.45	-0.12	7.97	10.21	0.001369	3.55	146.84	32.11	0.53
Leiro	33.1 LEI_S 19	Q50	362.00	4.48	6.34	8.80	2.46	8.80	2.46	7.09	8.88	0.020431	7.07	51.22	35.09	1.87
Leiro	33.1 LEI_S 19	Q200	453.00	4.48	6.58	8.80	2.22	8.80	2.22	7.45	9.51	0.019577	7.59	59.65	35.09	1.86
Leiro	33.1 LEI_S 19	Q500	521.00	4.48	9.66	8.80	-0.86	8.80	-0.86	7.70	10.15	0.001010	3.11	167.72	35.09	0.45
Leiro	33 LEI_S 19	Bridge														
Leiro	32.9 LEI_S 19	Q50	362.00	4.48	6.47	8.80	2.33	8.80	2.33	7.09	8.61	0.015401	6.48	55.91	35.09	1.64
Leiro	32.9 LEI_S 19	Q200	453.00	4.48	6.71	8.80	2.09	8.80	2.09	7.45	9.23	0.015291	7.03	64.43	35.09	1.66
Leiro	32.9 LEI_S 19	Q500	521.00	4.48	8.72	8.80	0.08	8.80	0.08	7.70	9.48	0.001965	3.86	134.98	35.09	0.63
Leiro	32 LEI_S 18	Q50	362.00	4.38	7.85	9.23	1.38	9.23	1.38	6.68	8.25	0.001212	2.79	129.55	41.28	0.50
Leiro	32 LEI_S 18	Q200	453.00	4.38	8.41	9.23	0.82	9.23	0.82	7.01	8.86	0.001130	2.96	152.88	41.53	0.49

HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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
Leiro	32 LEI_S 18	Q500	521.00	4.38	8.92	9.23	0.31	9.23	0.31	7.23	9.38	0.000999	2.99	174.05	41.76	0.47
Leiro	31 LEI_S 17	Q50	362.00	3.94	7.83	8.97	1.14	9.00	1.17	6.34	8.20	0.000997	2.69	134.58	40.78	0.45
Leiro	31 LEI_S 17	Q200	453.00	3.94	8.38	8.97	0.59	9.00	0.62	6.69	8.82	0.000996	2.91	155.61	41.07	0.46
Leiro	31 LEI_S 17	Q500	521.00	3.94	8.89	8.97	0.08	9.00	0.11	6.93	9.34	0.000922	2.98	174.83	41.33	0.45
Leiro	30 LEI_S 16	Q50	362.00	3.49	7.42	8.82	1.40	8.60	1.18	6.54	8.13	0.002758	3.73	97.17	28.55	0.64
Leiro	30 LEI_S 16	Q200	453.00	3.49	7.88	8.82	0.94	8.60	0.72	6.96	8.74	0.003011	4.11	110.19	28.78	0.67
Leiro	30 LEI_S 16	Q500	521.00	3.49	8.37	8.82	0.45	8.60	0.23	7.25	9.26	0.002818	4.18	124.49	29.03	0.65
Leiro	29 LEI_S 15	Q50	362.00	3.21	6.71	8.57	1.86	8.54	1.83	6.71	7.95	0.006789	4.93	73.46	29.67	1.00
Leiro	29 LEI_S 15	Q200	453.00	3.21	7.11	8.57	1.46	8.54	1.43	7.11	8.55	0.006620	5.31	85.36	29.74	1.00
Leiro	29 LEI_S 15	Q500	521.00	3.21	8.11	8.57	0.46	8.54	0.43	7.40	9.15	0.003453	4.53	115.02	29.92	0.74
Leiro	28 LEI_S 14	Q50	362.00	2.94	5.31	8.24	2.93	8.37	3.06	5.97	7.67	0.012802	6.81	53.15	25.41	1.50
Leiro	28 LEI_S 14	Q200	453.00	2.94	5.74	8.24	2.50	8.37	2.63	6.41	8.28	0.011150	7.06	64.13	25.46	1.42
Leiro	28 LEI_S 14	Q500	521.00	2.94	8.19	8.24	0.05	8.37	0.18	6.72	9.05	0.001859	4.10	126.95	25.79	0.59
Leiro	27 LEI_S 13	Q50	362.00	2.69	5.63	7.73	2.10	7.73	2.10	5.82	7.26	0.006728	5.65	64.10	24.13	1.11
Leiro	27 LEI_S 13	Q200	453.00	2.69	6.27	7.73	1.46	7.73	1.46	6.27	7.92	0.005429	5.69	79.61	24.13	1.00
Leiro	27 LEI_S 13	Q500	521.00	2.69	8.10	7.73	-0.37	7.73	-0.37	6.60	9.00	0.001934	4.21	123.61	24.13	0.59
Leiro	26 LEI_S 12	Q50	362.00	2.57	5.52	7.36	1.84	7.36	1.84	5.71	7.14	0.006766	5.65	64.10	24.25	1.11
Leiro	26 LEI_S 12	Q200	453.00	2.57	6.06	7.36	1.30	7.36	1.30	6.16	7.81	0.005971	5.86	77.28	24.25	1.05
Leiro	26 LEI_S 12	Q500	521.00	2.57	8.09	7.36	-0.73	7.36	-0.73	6.49	8.96	0.001812	4.12	126.53	24.25	0.58
Leiro	25 LEI_S 11	Q50	362.00	2.39	5.15	7.03	1.88	7.00	1.85	5.51	6.97	0.008308	5.97	60.63	25.31	1.23
Leiro	25 LEI_S 11	Q200	453.00	2.39	5.56	7.03	1.47	7.00	1.44	5.95	7.63	0.007958	6.38	71.06	25.31	1.21
Leiro	25 LEI_S 11	Q500	521.00	2.39	8.14	7.03	-1.11	7.00	-1.14	6.27	8.89	0.001485	3.82	136.33	25.31	0.53
Leiro	24 LEI_S 10	Q50	362.00	2.18	4.67	6.83	2.16	6.86	2.19	5.21	6.74	0.010908	6.37	56.79	27.48	1.42
Leiro	24 LEI_S 10	Q200	453.00	2.18	5.01	6.83	1.82	6.86	1.86	5.63	7.40	0.010622	6.86	66.07	27.48	1.41
Leiro	24 LEI_S 10	Q500	521.00	2.18	8.23	6.83	-1.40	6.86	-1.37	5.92	8.81	0.001061	3.37	154.75	27.48	0.45
Leiro	23 LEI_S 9	Q50	362.00	2.02	4.38	6.78	2.40	6.79	2.41	4.98	6.55	0.012066	6.52	55.49	28.31	1.49
Leiro	23 LEI_S 9	Q200	453.00	2.02	4.69	6.78	2.09	6.79	2.10	5.39	7.21	0.011854	7.03	64.41	28.52	1.49
Leiro	23 LEI_S 9	Q500	521.00	2.02	8.27	6.78	-1.49	6.79	-1.48	5.67	8.77	0.000871	3.13	166.45	28.52	0.41
Leiro	22 LEI_S 8	Q50	362.00	1.69	5.55	6.64	1.09	6.74	1.19	4.57	6.19	0.001881	3.55	102.08	29.48	0.61
Leiro	22 LEI_S 8	Q200	453.00	1.69	6.23	6.64	0.42	6.74	0.51	4.98	6.93	0.001713	3.71	121.94	29.48	0.58
Leiro	22 LEI_S 8	Q500	521.00	1.69	8.32	6.64	-1.68	6.74	-1.58	5.26	8.73	0.000670	2.84	183.57	29.48	0.36
Leiro	21 LEI_S 7	Q50	362.00	1.47	5.57	6.53	0.96	6.55	0.98	4.34	6.13	0.001534	3.33	108.81	29.16	0.55
Leiro	21 LEI_S 7	Q200	453.00	1.47	6.24	6.53	0.29	6.55	0.31	4.75	6.88	0.001456	3.53	128.36	29.16	0.54
Leiro	21 LEI_S 7	Q500	521.00	1.47	8.32	6.53	-1.79	6.55	-1.77	5.03	8.71	0.000613	2.76	188.93	29.16	0.35
Leiro	20 LEI_S 6	Q50	362.00	1.27	5.30	6.40	1.10	6.45	1.15	4.42	6.07	0.002254	3.90	92.92	25.79	0.66
Leiro	20 LEI_S 6	Q200	453.00	1.27	5.94	6.40	0.46	6.45	0.51	4.86	6.81	0.002158	4.14	109.43	25.79	0.64
Leiro	20 LEI_S 6	Q500	521.00	1.27	8.19	6.40	-1.79	6.45	-1.74	5.16	8.68	0.000822	3.11	167.34	25.79	0.39



HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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	
Leiro	19	LEI_S 5	Q50	362.00	1.13	5.03	6.31	1.28	6.38	1.35	4.46	6.02	0.003133	4.41	82.17	24.03	0.76
Leiro	19	LEI_S 5	Q200	453.00	1.13	5.65	6.31	0.66	6.38	0.73	4.92	6.76	0.002982	4.67	96.96	24.03	0.74
Leiro	19	LEI_S 5	Q500	521.00	1.13	8.09	6.31	-1.78	6.38	-1.71	5.25	8.66	0.000990	3.35	155.66	24.03	0.42
Leiro	18	LEI_S 4	Q50	362.00	1.20	5.13	6.31	1.18	6.36	1.23	4.33	5.97	0.002484	4.06	89.08	24.92	0.69
Leiro	18	LEI_S 4	Q200	453.00	1.20	5.75	6.31	0.56	6.36	0.61	4.78	6.70	0.002403	4.33	104.59	24.92	0.67
Leiro	18	LEI_S 4	Q500	521.00	1.20	8.13	6.31	-1.82	6.36	-1.77	5.10	8.64	0.000856	3.18	163.89	24.92	0.40
Leiro	17	LEI_S 3.1	Q50	362.00	0.94	4.95	6.19	1.24	6.19	1.24	4.21	5.90	0.002753	4.33	83.63	22.67	0.72
Leiro	17	LEI_S 3.1	Q200	453.00	0.94	5.51	6.19	0.68	6.19	0.68	4.70	6.63	0.002831	4.70	96.37	22.78	0.73
Leiro	17	LEI_S 3.1	Q500	521.00	0.94	8.04	6.19	-1.85	6.19	-1.85	5.03	8.62	0.000965	3.38	154.28	22.92	0.42
Leiro	16.5	LEI_S 3	Bridge														
Leiro	16	LEI_S 3	Q50	362.00	0.92	4.33	6.16	1.83	6.14	1.81	4.33	5.82	0.005450	5.42	66.74	22.27	1.00
Leiro	16	LEI_S 3	Q200	453.00	0.92	4.81	6.16	1.35	6.14	1.33	4.81	6.55	0.005419	5.84	77.59	22.33	1.00
Leiro	16	LEI_S 3	Q500	521.00	0.92	5.15	6.16	1.01	6.14	0.99	5.15	7.06	0.005410	6.11	85.25	22.38	1.00
Leiro	15	LEI_S 2	Q50	362.00	0.63	3.06	6.10	3.04	6.12	3.06	3.77	5.55	0.012433	6.99	51.80	23.91	1.52
Leiro	15	LEI_S 2	Q200	453.00	0.63	3.42	6.10	2.68	6.12	2.70	4.22	6.27	0.012393	7.47	60.63	24.75	1.52
Leiro	15	LEI_S 2	Q500	521.00	0.63	3.67	6.10	2.43	6.12	2.45	4.54	6.77	0.012135	7.80	66.82	24.75	1.51
Leiro	14.1	LEI_S 1.1	Q50	362.00	0.50	4.55	5.36	0.81	5.37	0.82	3.29	5.13	0.001578	3.38	107.26	28.24	0.55
Leiro	14.1	LEI_S 1.1	Q200	453.00	0.50	5.03	5.36	0.33	5.37	0.34	3.71	5.75	0.001729	3.75	120.71	28.40	0.58
Leiro	14.1	LEI_S 1.1	Q500	521.00	0.50	5.66	5.36	-0.30	5.37	-0.29	4.01	6.38	0.001510	3.76	138.64	28.51	0.54
Leiro	14	LEI_S 1.1	Bridge														
Leiro	13.9	LEI_S 1.1	Q50	362.00	0.50	4.22	5.36	1.14	5.37	1.15	3.29	4.91	0.002097	3.71	97.69	28.13	0.63
Leiro	13.9	LEI_S 1.1	Q200	453.00	0.50	3.01	5.36	2.35	5.37	2.36	3.71	5.57	0.012228	7.09	63.91	27.74	1.49
Leiro	13.9	LEI_S 1.1	Q500	521.00	0.50	5.25	5.36	0.11	5.37	0.12	4.01	6.11	0.001959	4.10	127.09	28.47	0.62
Leiro	13	LEI_S 0.9	Q50	362.00	0.58	3.94	5.36	1.42	5.37	1.43	3.45	4.89	0.003142	4.31	83.97	26.78	0.78
Leiro	13	LEI_S 0.9	Q200	453.00	0.58	4.44	5.36	0.92	5.37	0.93	3.88	5.54	0.003130	4.65	97.40	26.91	0.78
Leiro	13	LEI_S 0.9	Q500	521.00	0.58	4.98	5.36	0.38	5.37	0.39	4.18	6.08	0.002723	4.66	111.90	27.04	0.73
Leiro	12	LEI_S 0.8	Q50	362.00	0.28	3.99	5.29	1.30	5.36	1.37	3.36	4.84	0.002754	4.08	88.64	27.45	0.73
Leiro	12	LEI_S 0.8	Q200	453.00	0.28	4.50	5.29	0.79	5.36	0.86	3.79	5.49	0.002755	4.41	102.66	27.57	0.73
Leiro	12	LEI_S 0.8	Q500	521.00	0.28	5.03	5.29	0.26	5.36	0.33	4.09	6.04	0.002431	4.44	117.39	27.70	0.69
Leiro	11	LEI_S 0.7	Q50	362.00	0.45	4.02	5.20	1.18	5.28	1.26	3.22	4.79	0.002345	3.87	93.58	27.56	0.67
Leiro	11	LEI_S 0.7	Q200	453.00	0.45	4.54	5.20	0.66	5.28	0.74	3.64	5.44	0.002393	4.21	107.71	27.69	0.68
Leiro	11	LEI_S 0.7	Q500	521.00	0.45	5.06	5.20	0.14	5.28	0.22	3.94	5.99	0.002154	4.26	122.40	27.83	0.65
Leiro	10	LEI_S 0.6	Q50	362.00	0.38	4.08	5.08	1.00	5.21	1.13	3.07	4.72	0.001841	3.52	102.71	29.34	0.60
Leiro	10	LEI_S 0.6	Q200	453.00	0.38	4.61	5.08	0.47	5.21	0.60	3.47	5.36	0.001878	3.83	118.22	29.45	0.61
Leiro	10	LEI_S 0.6	Q500	521.00	0.38	5.14	5.08	-0.06	5.21	0.07	3.76	5.91	0.001706	3.89	133.89	29.55	0.58
Leiro	9	LEI_S 0.5	Q50	362.00	-0.14	4.24	4.91	0.67	4.96	0.72	2.32	4.58	0.000798	2.58	140.56	33.91	0.40
Leiro	9	LEI_S 0.5	Q200	453.00	-0.14	4.80	4.91	0.11	4.96	0.16	2.71	5.21	0.000851	2.84	159.40	34.03	0.42

HEC-RAS Plan: 02\_Sedim-cop River: Leiro Reach: Leiro (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
Leiro	9 LEI_S 0.5	Q500	521.00	-0.14	5.33	4.91	-0.42	4.96	-0.37	2.97	5.77	0.000813	2.93	177.51	34.06	0.41
Leiro	8 LEI_S 0.4	Q50	362.00	-0.36	4.26	4.87	0.61	4.91	0.65	2.07	4.55	0.000646	2.39	151.29	34.42	0.36
Leiro	8 LEI_S 0.4	Q200	453.00	-0.36	4.82	4.87	0.05	4.91	0.09	2.45	5.18	0.000703	2.66	170.51	34.53	0.38
Leiro	8 LEI_S 0.4	Q500	521.00	-0.36	5.35	4.87	-0.48	4.91	-0.44	2.71	5.74	0.000683	2.76	188.88	34.54	0.38
Leiro	7 LEI_S 0.3	Q50	362.00	-0.20	3.93	4.94	1.01	4.94	1.01	3.04	4.51	0.002062	3.39	106.80	34.00	0.61
Leiro	7 LEI_S 0.3	Q200	453.00	-0.20	4.47	4.94	0.47	4.94	0.47	3.41	5.14	0.001962	3.62	125.31	34.12	0.60
Leiro	7 LEI_S 0.3	Q500	521.00	-0.20	5.04	4.94	-0.10	4.94	-0.10	3.67	5.70	0.001660	3.60	144.81	34.22	0.56
Leiro	6 LEI_S 0.2	Q50	362.00	-0.33	3.79	4.91	1.12	4.98	1.19	3.13	4.49	0.002512	3.71	97.57	33.06	0.69
Leiro	6 LEI_S 0.2	Q200	453.00	-0.33	4.34	4.91	0.57	4.98	0.64	3.51	5.11	0.002355	3.90	116.11	34.05	0.67
Leiro	6 LEI_S 0.2	Q500	521.00	-0.33	4.94	4.91	-0.03	4.98	0.04	3.77	5.68	0.001879	3.81	136.72	34.17	0.61
Leiro	5.5 copertura	Bridge														
Leiro	5 LEI_S 0.1	Q50	362.00	-0.19	2.16	3.60	1.44	3.64	1.48	2.41	3.59	0.008145	5.30	68.27	33.95	1.19
Leiro	5 LEI_S 0.1	Q200	453.00	-0.19	2.33	3.60	1.27	3.64	1.31	2.78	4.24	0.009875	6.12	73.98	33.95	1.32
Leiro	5 LEI_S 0.1	Q500	521.00	-0.19	2.65	3.60	0.95	3.64	0.99	3.03	4.57	0.008447	6.14	84.87	33.95	1.24
Leiro	1 LEI_S 0	Q50	362.00	0.00	1.41	3.88	2.47	3.44	2.03	1.71	2.62	0.010167	4.88	74.21	54.49	1.33
Leiro	1 LEI_S 0	Q200	453.00	0.00	1.53	3.88	2.35	3.44	1.91	1.97	3.13	0.012173	5.62	80.67	54.79	1.48
Leiro	1 LEI_S 0	Q500	521.00	0.00	1.63	3.88	2.25	3.44	1.81	2.16	3.48	0.012825	6.02	86.60	55.06	1.53