

TORRENTE IMPERO

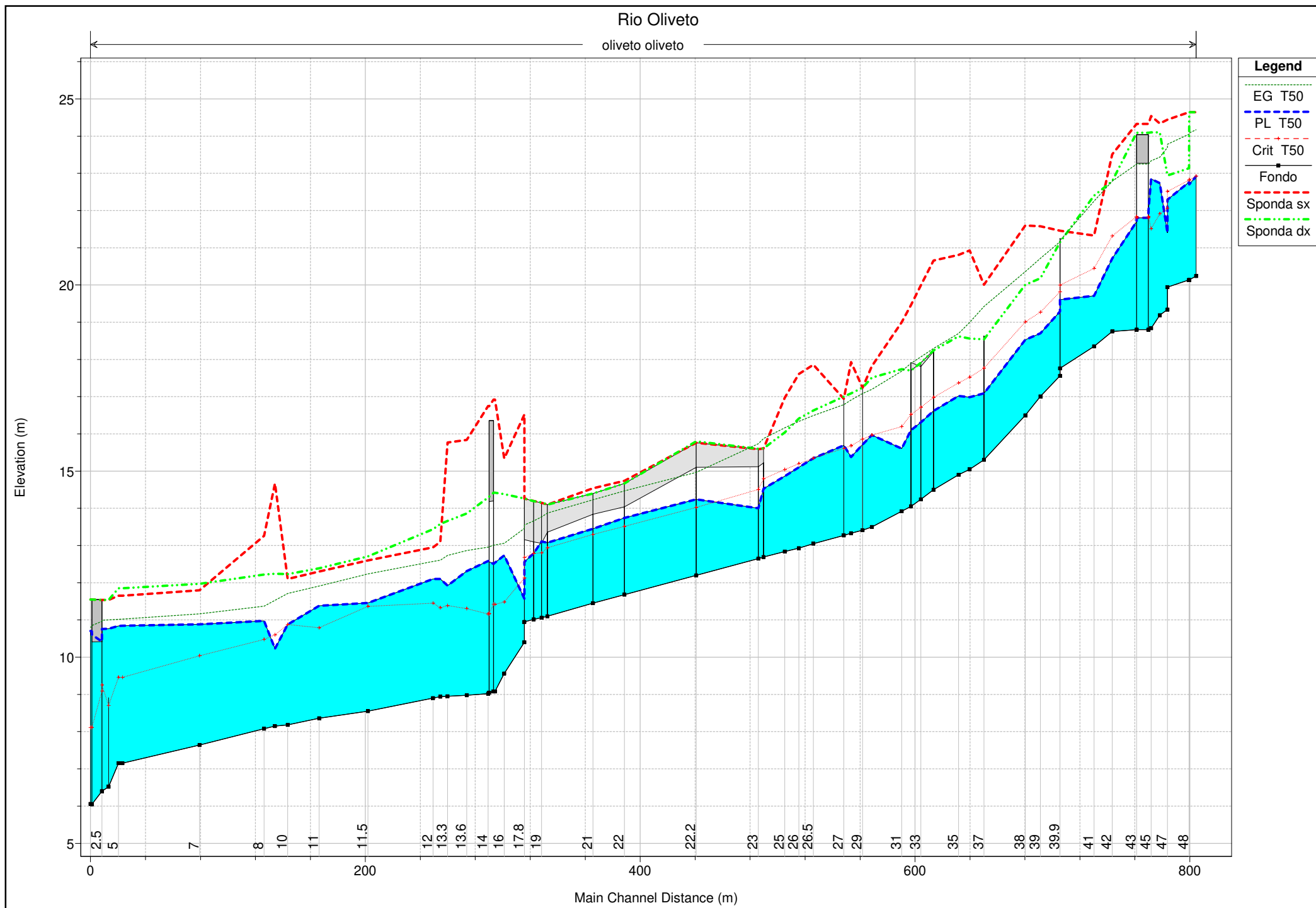
Ambito di Bacino n.6 - IMPERO

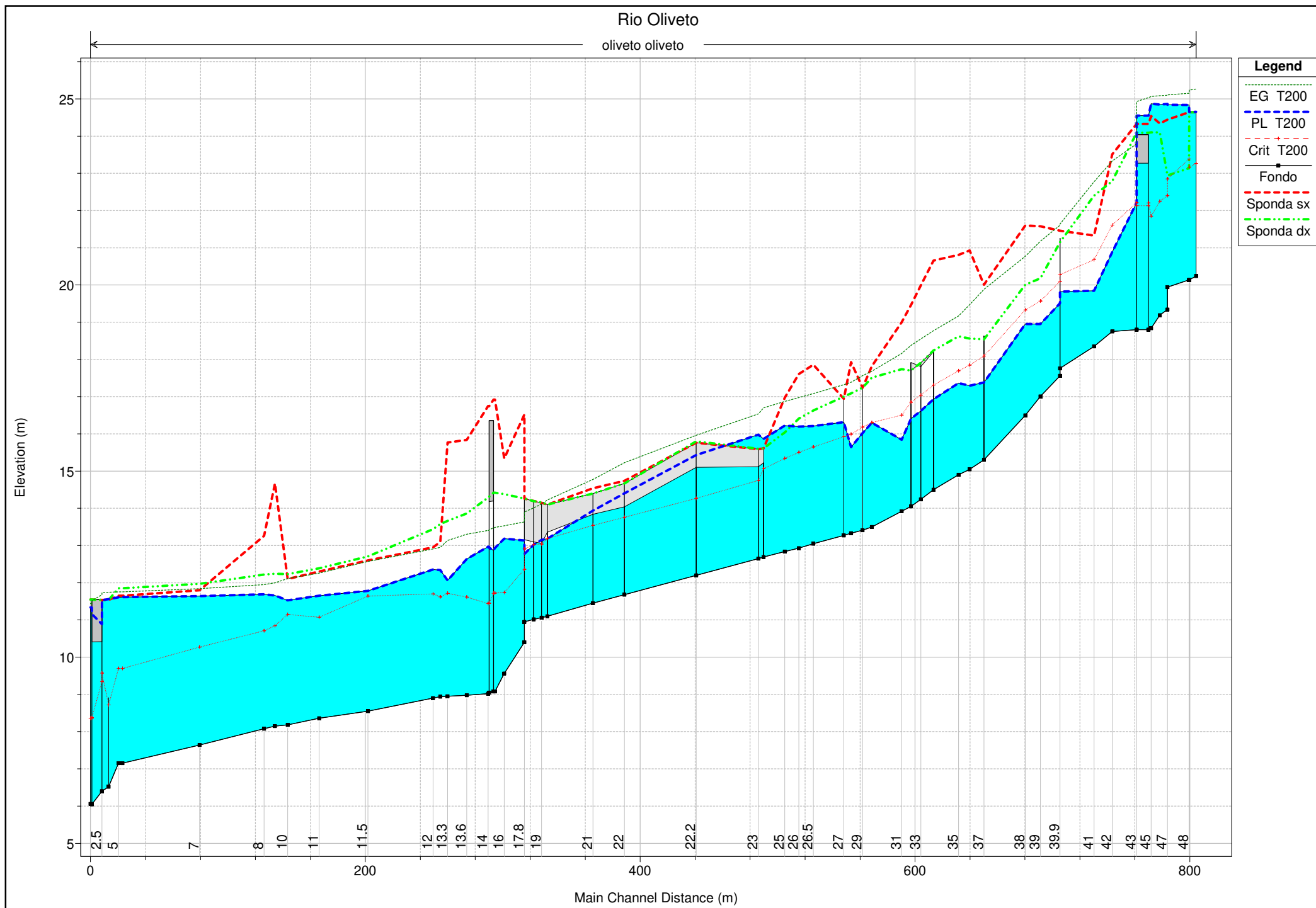
**PIANO DI BACINO STRALCIO
PER LA TUTELA DAL RISCHIO IDROGEOLOGICO**
(ai sensi dell'art. 1, comma 1, del D.L. 180/1998 convertito in L. 267/1998)

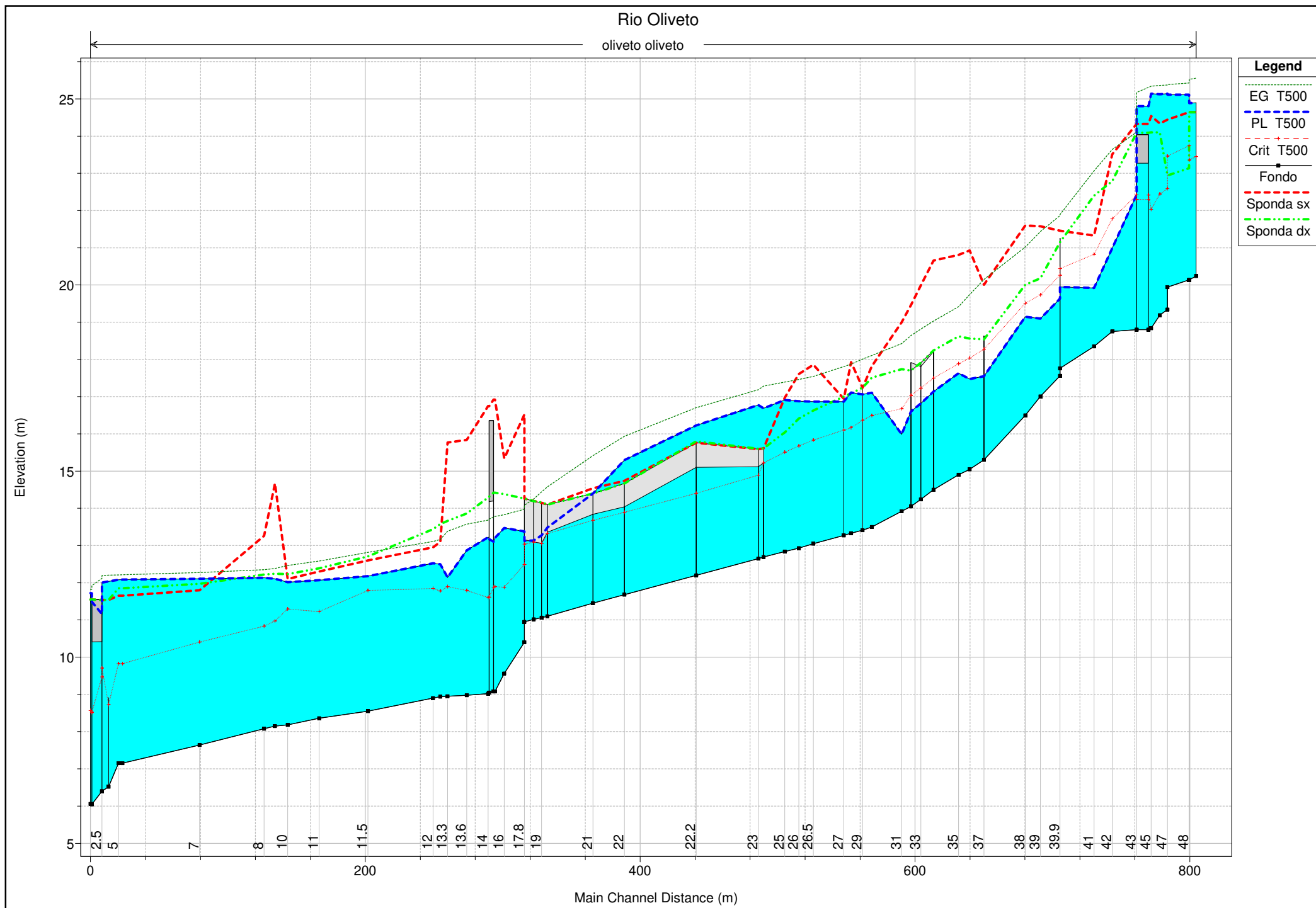


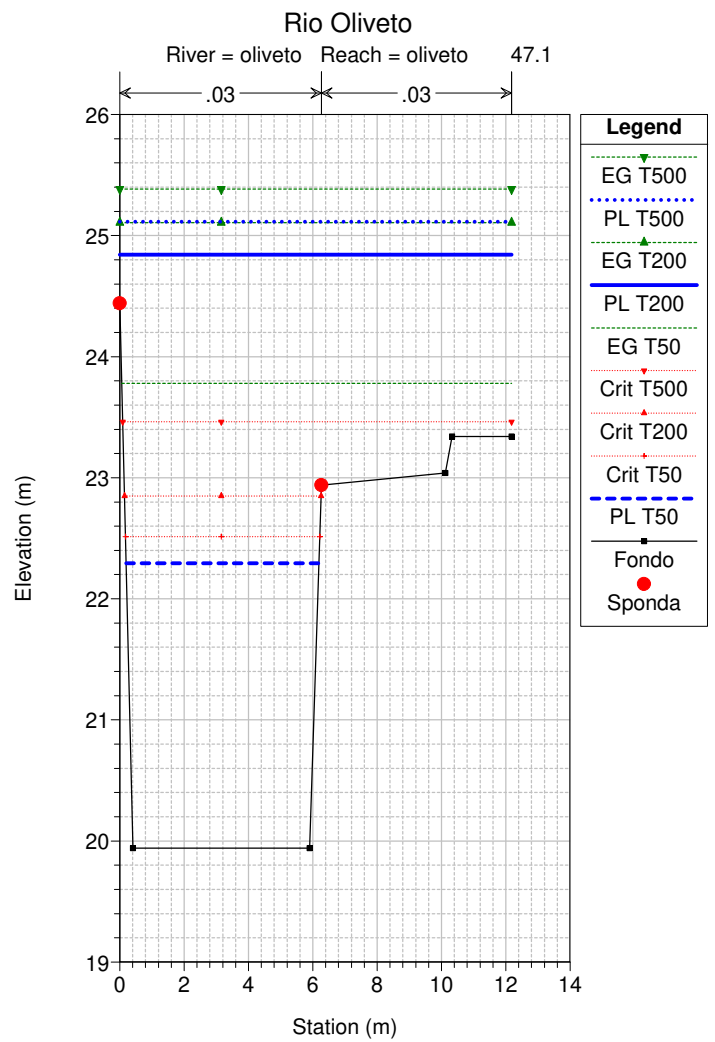
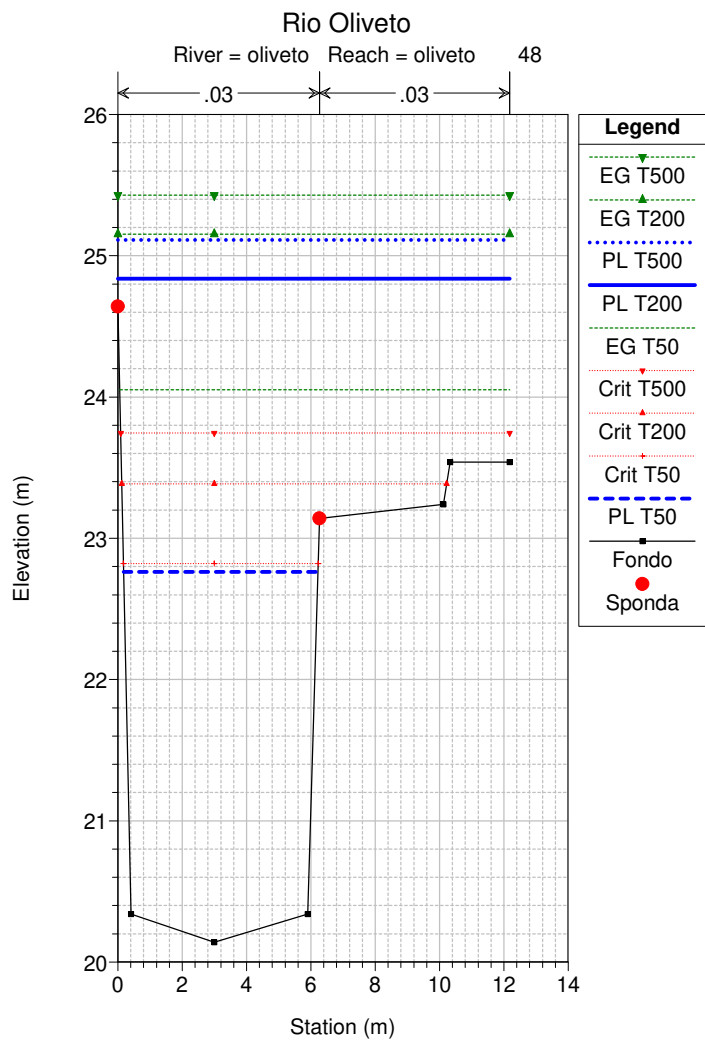
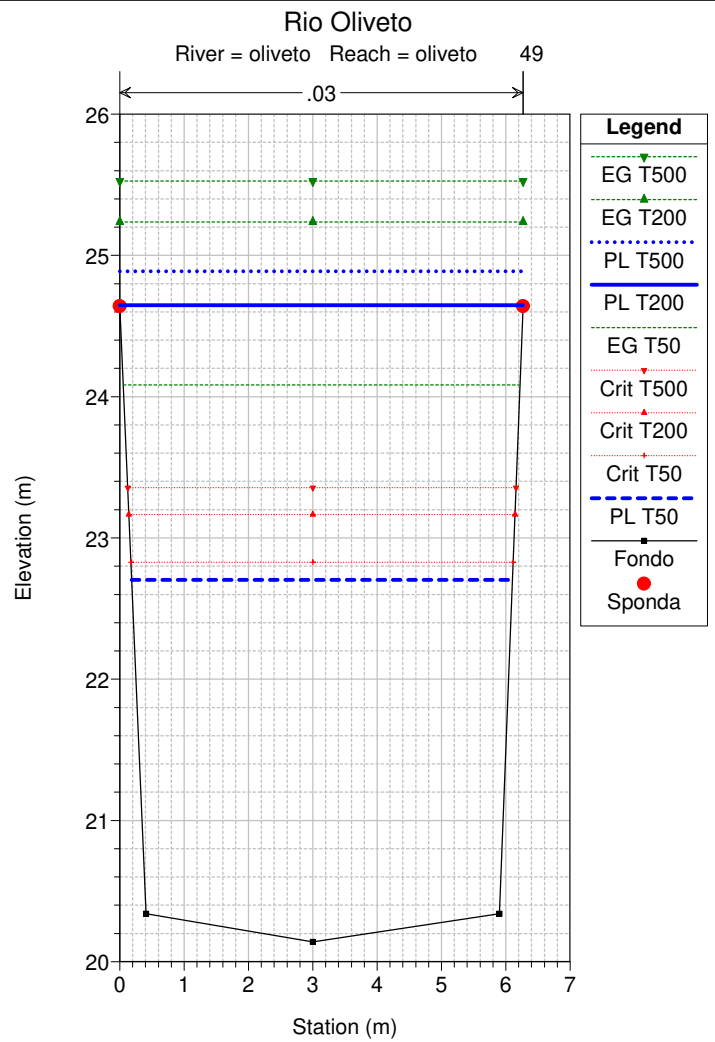
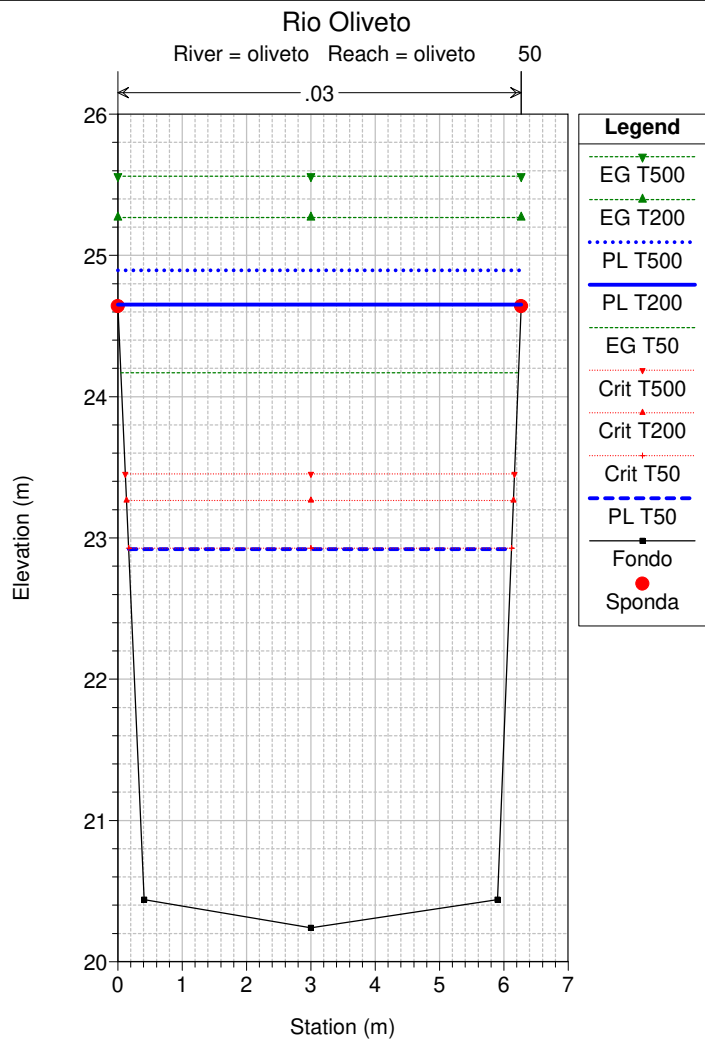
VERIFICHE IDRAULICHE – T. OLIVETO

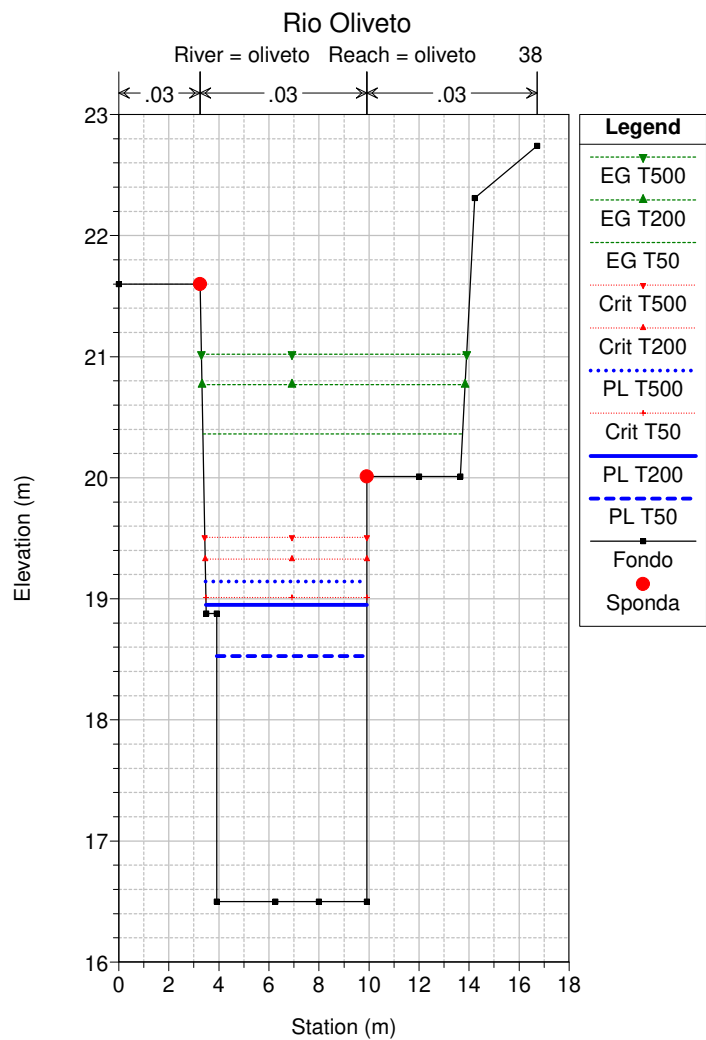
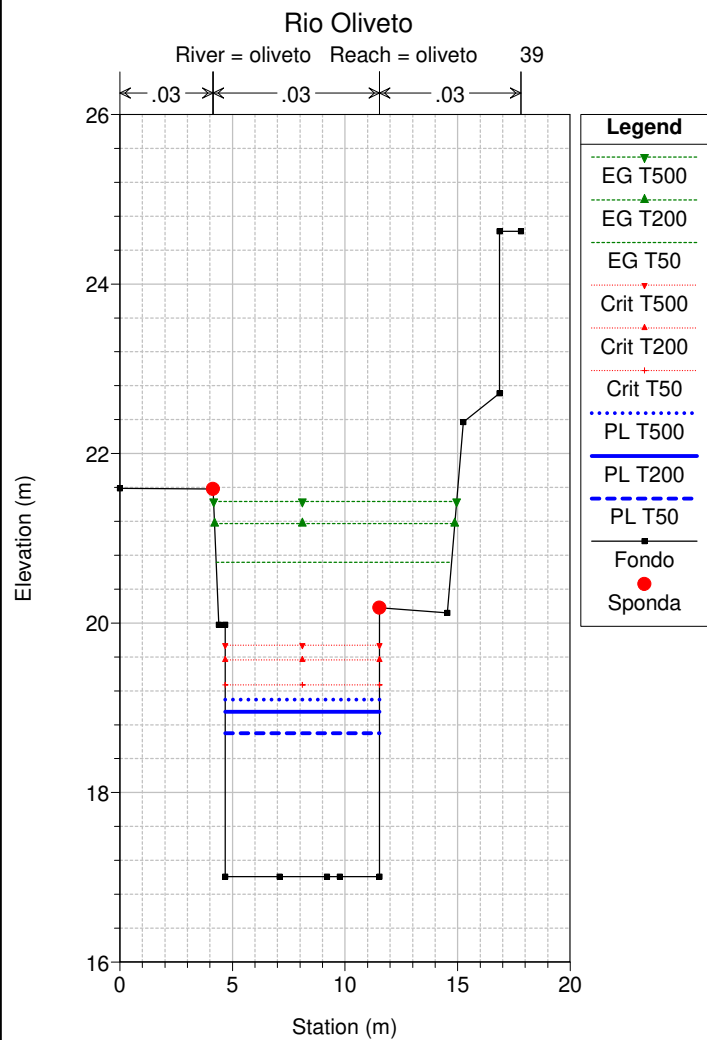
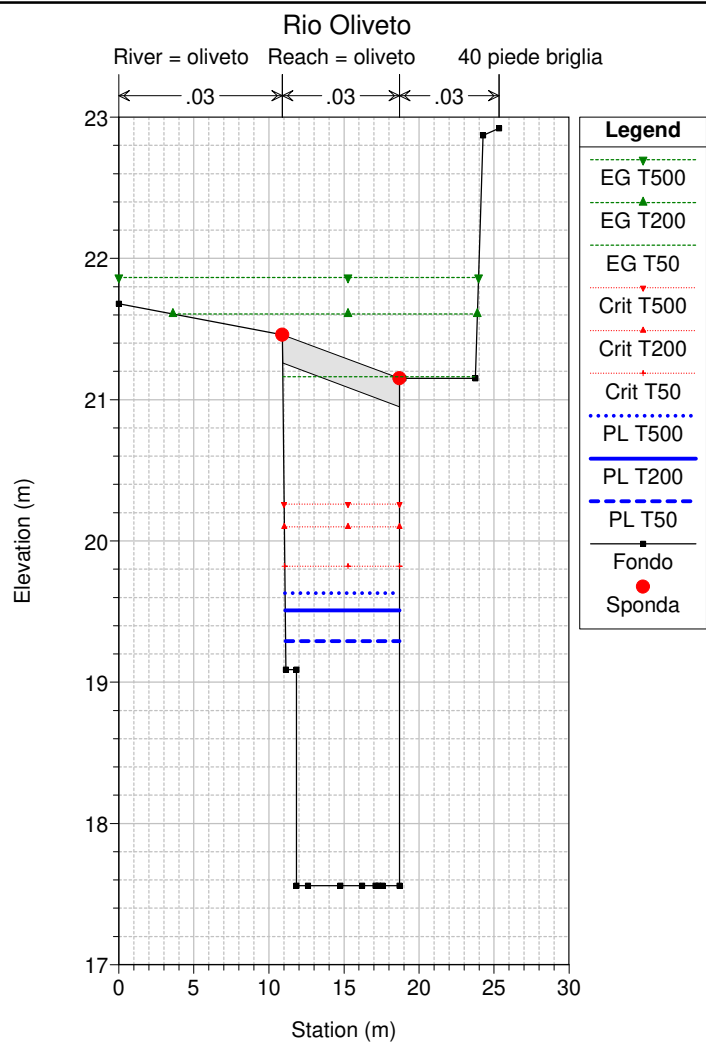
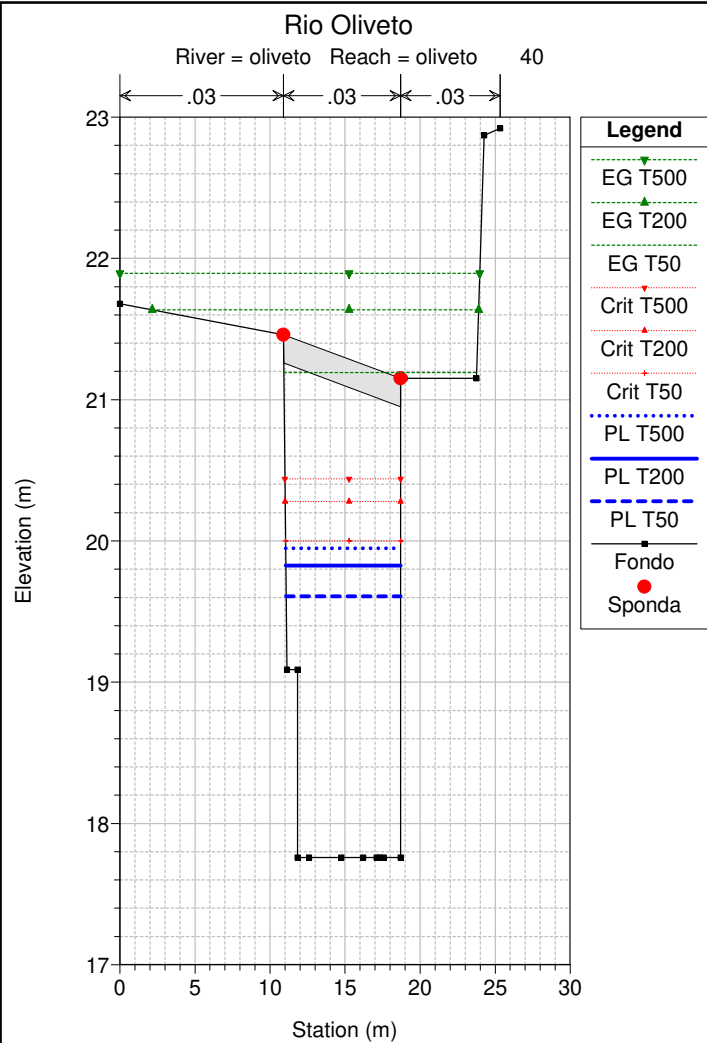
APPROVAZIONE	Delibera del Consiglio Provinciale di Imperia n. 88 del 15/10/2002
ULTIMA MODIFICA DELL'ELABORATO	Decreto del Direttore Generale n.7532 del 9/12/2021
ENTRATA IN VIGORE	BURL n.51 del 22/12/2021 – parte II

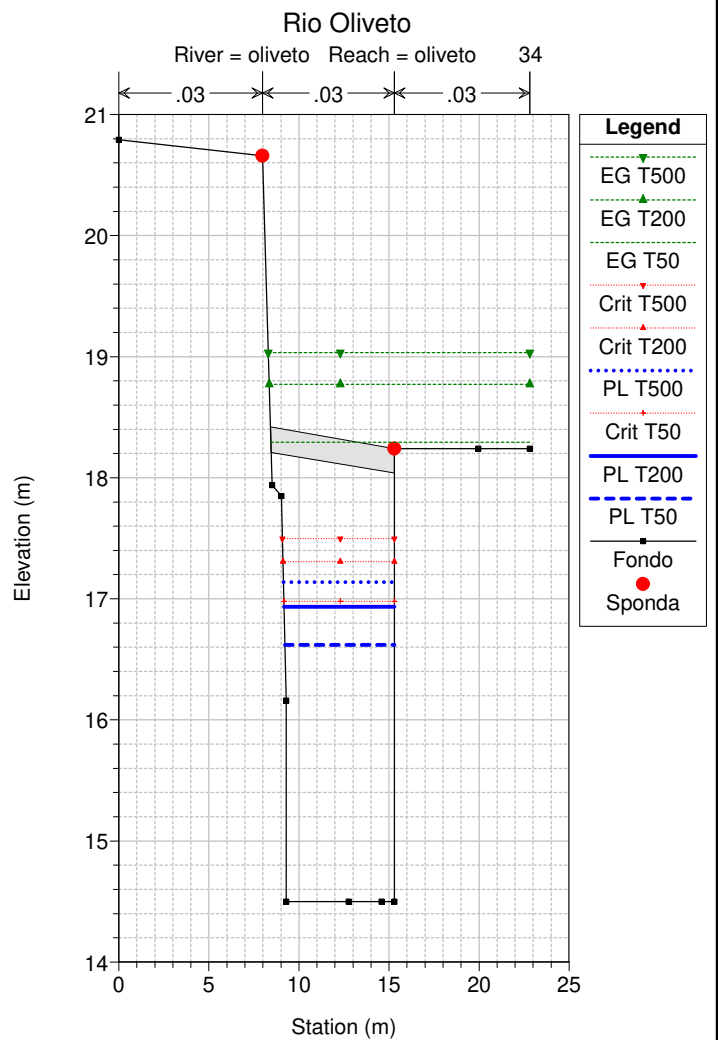
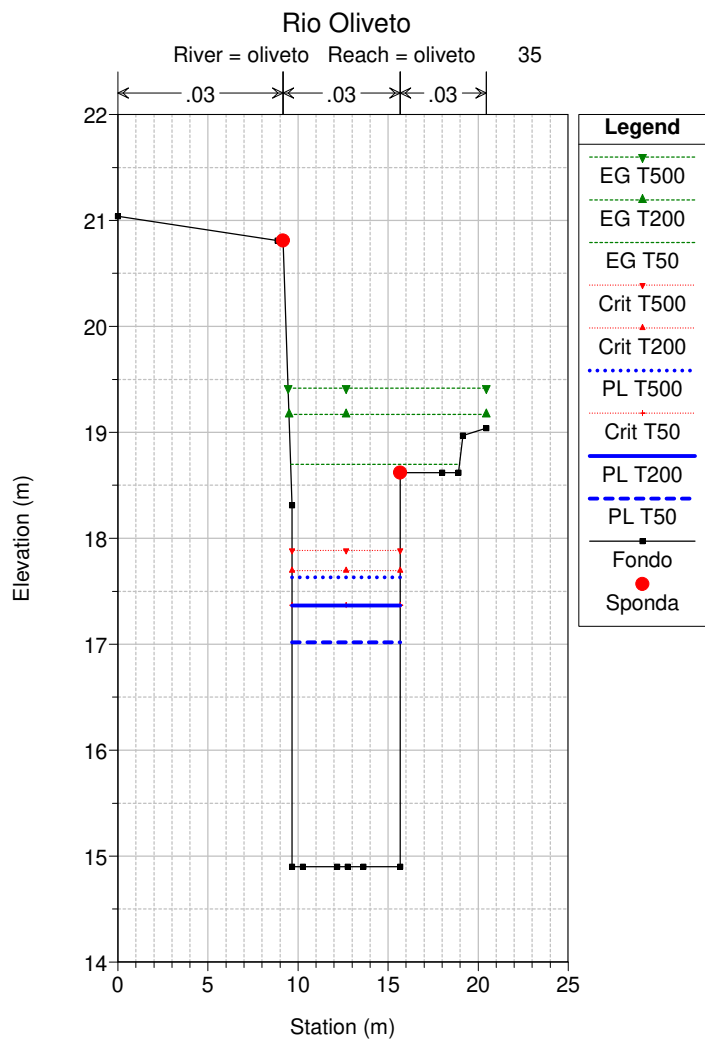
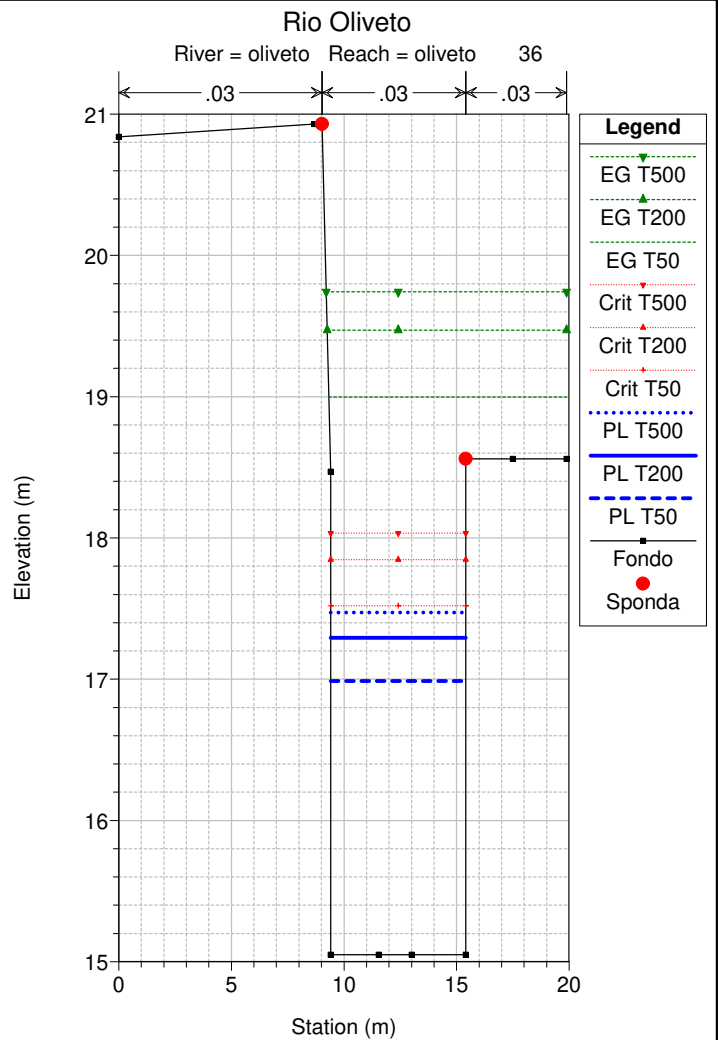
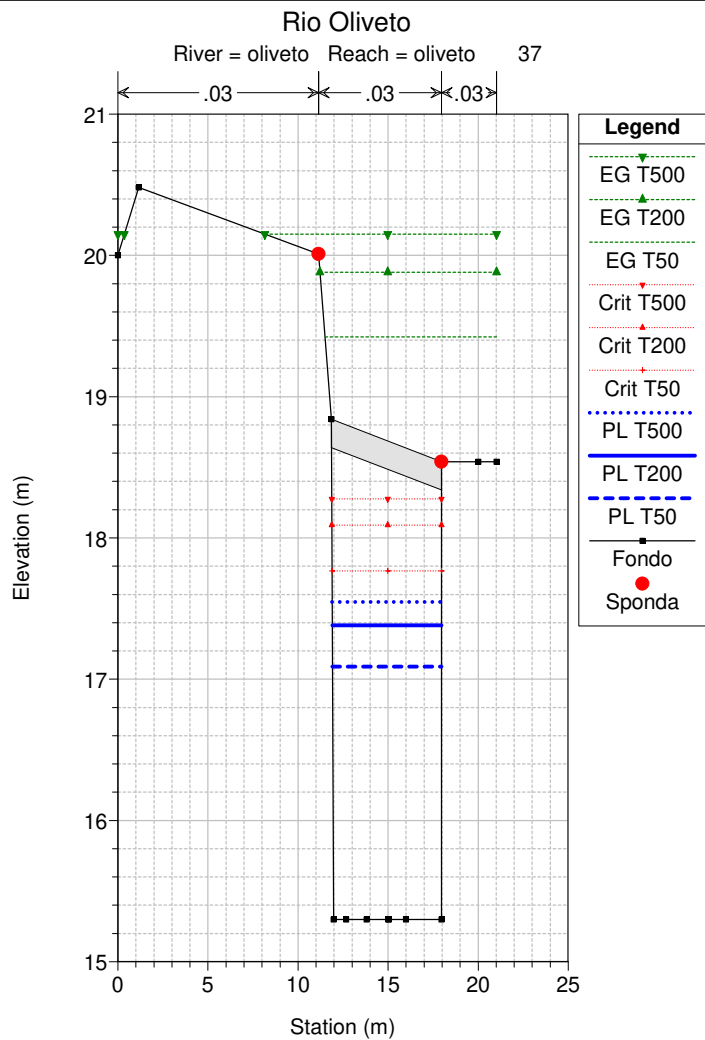


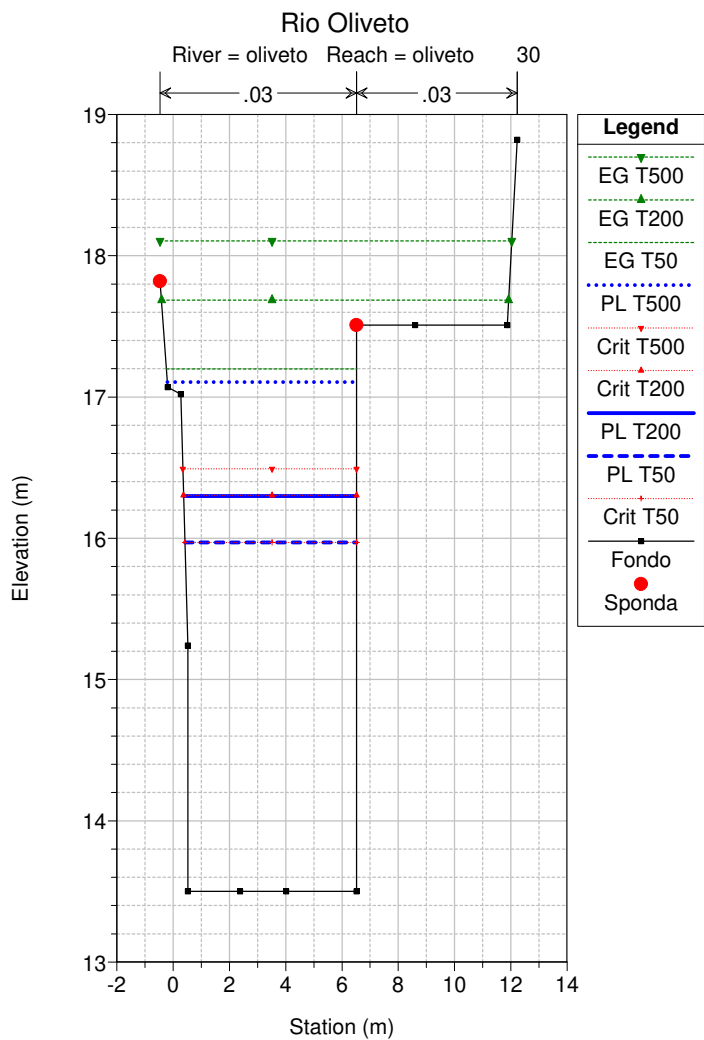
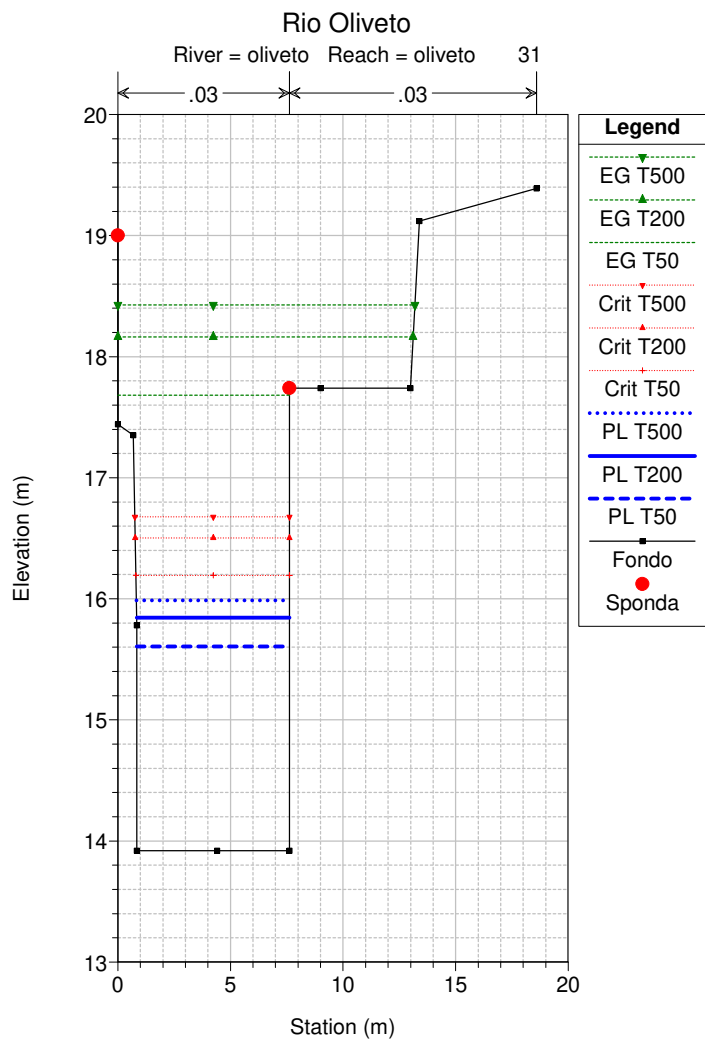
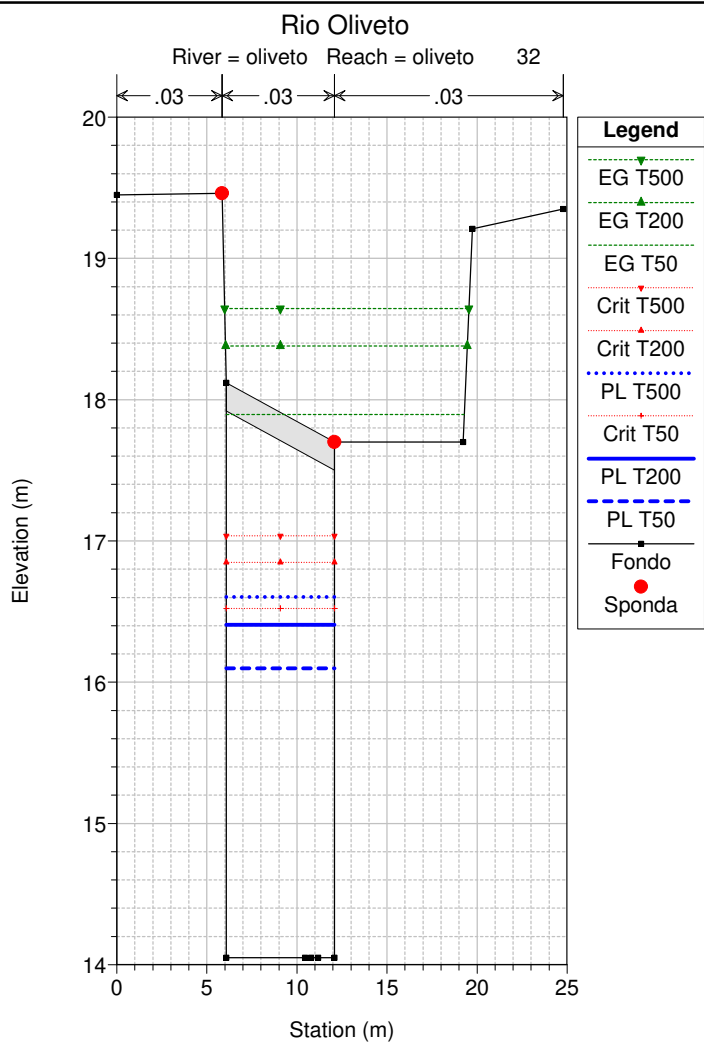
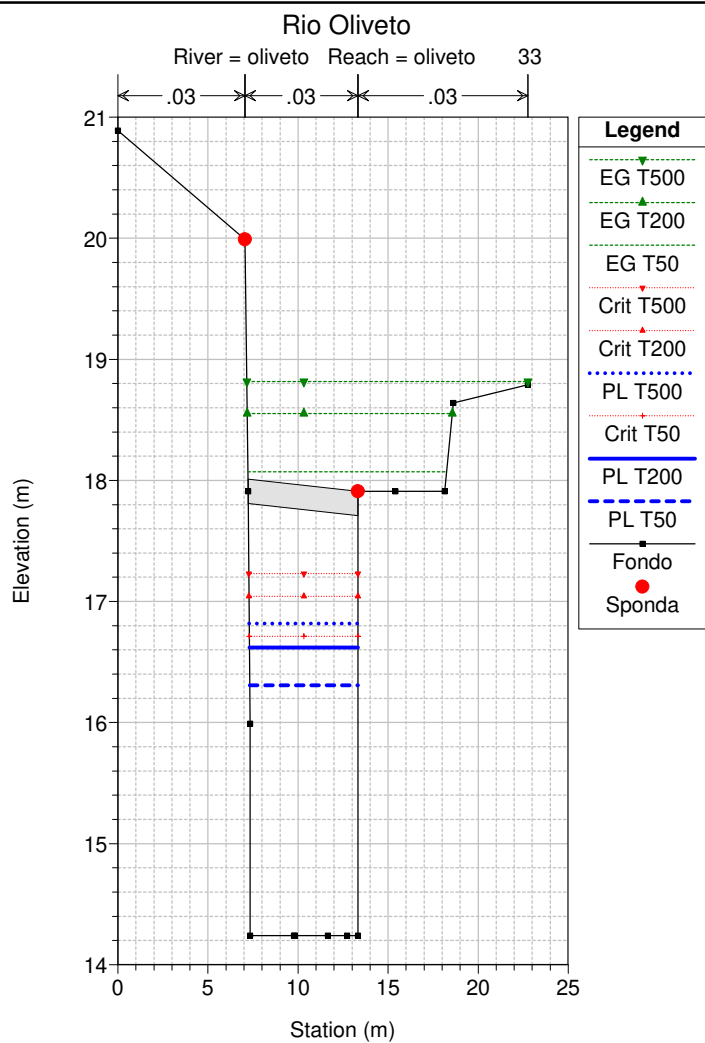


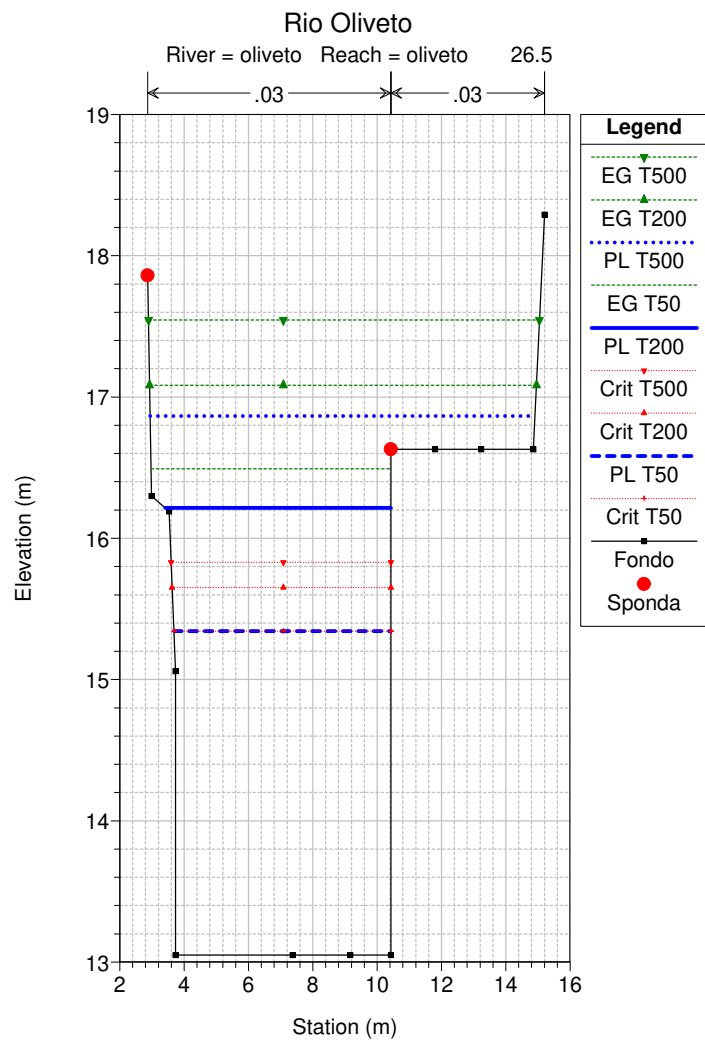
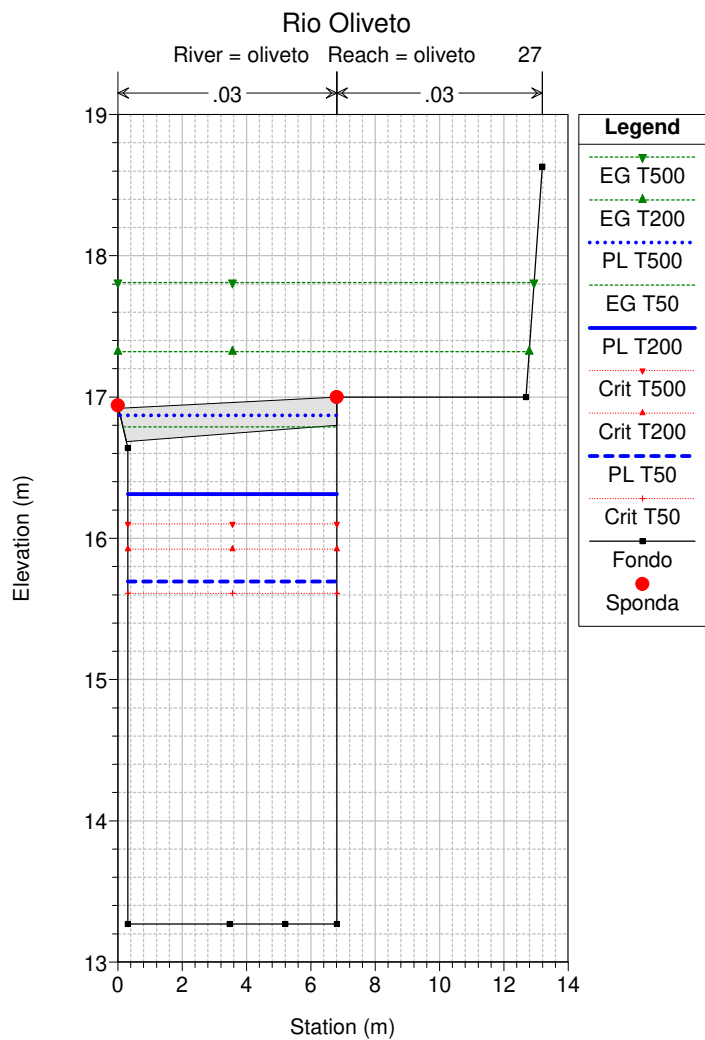
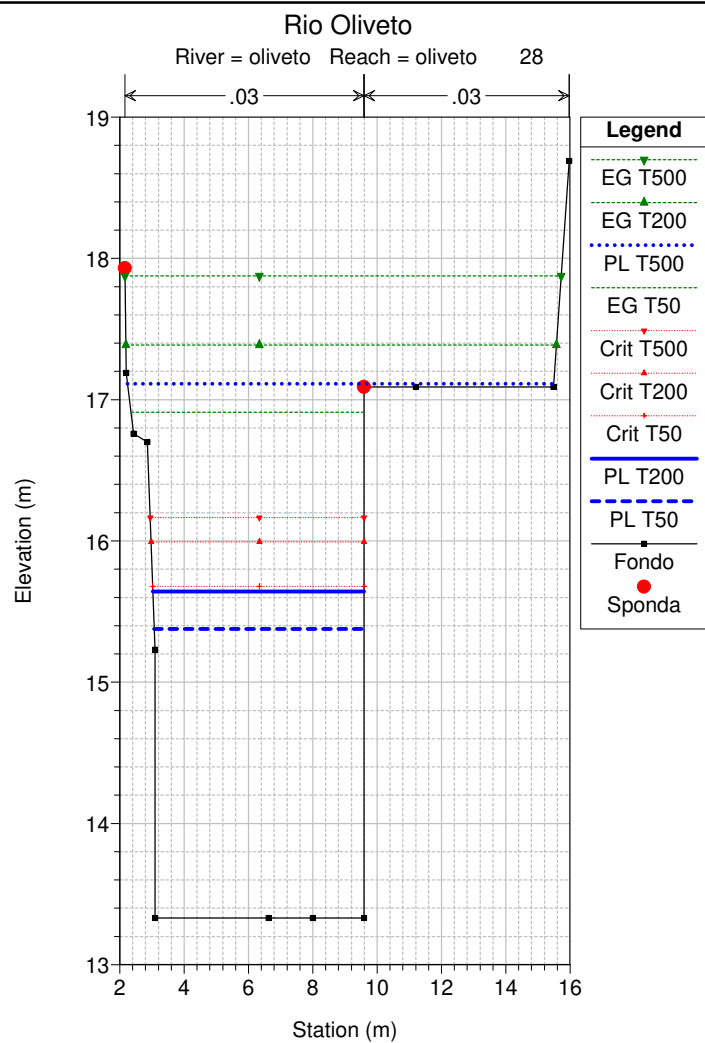
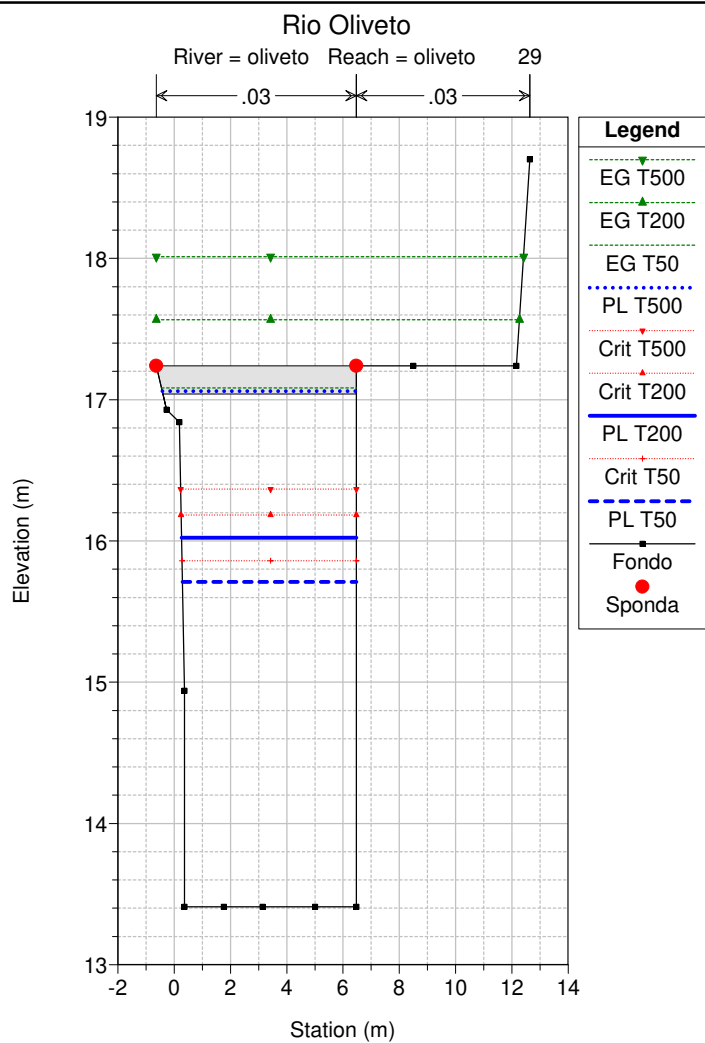


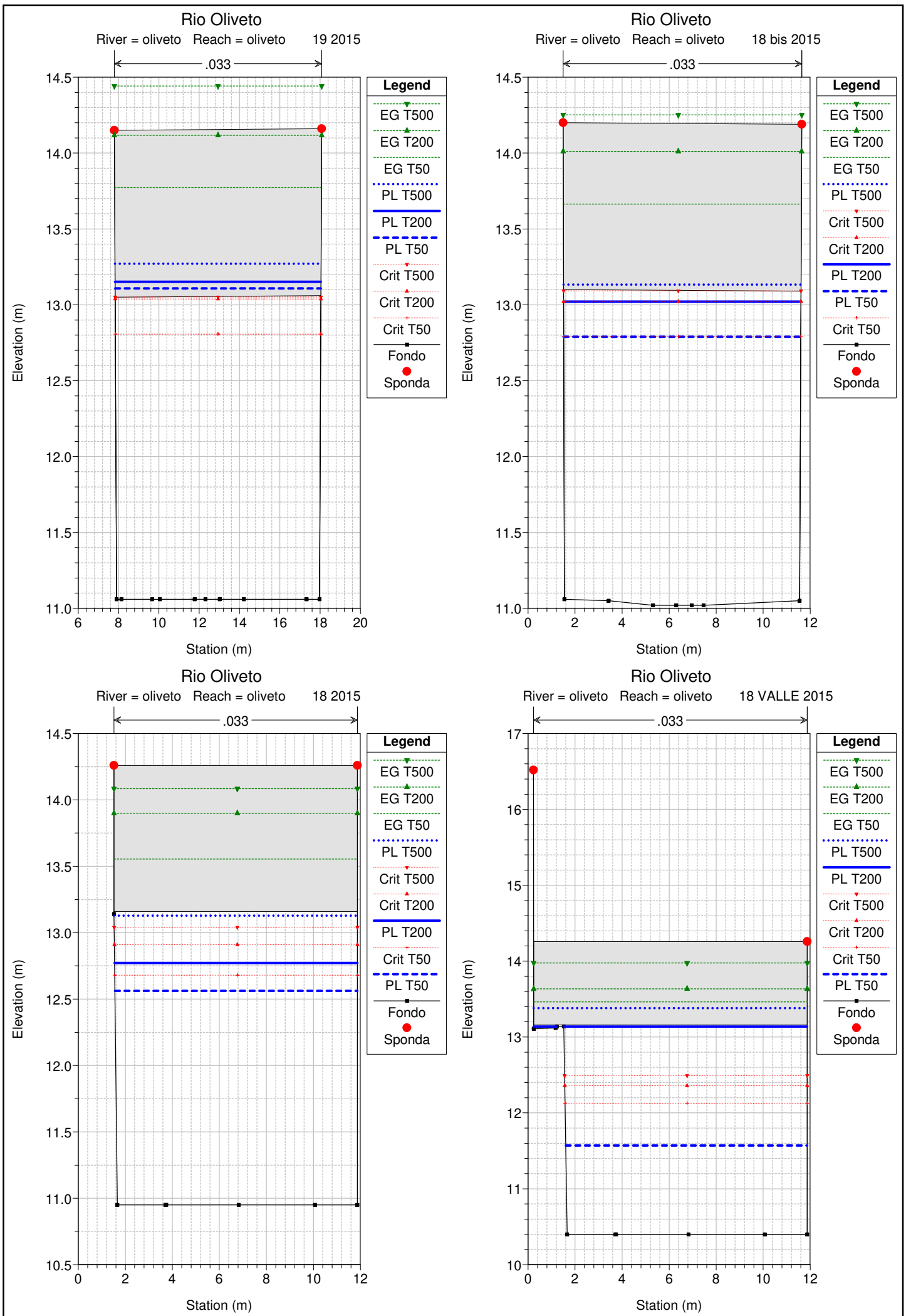












Rio Oliveto

River = oliveto Reach = oliveto 18 VALLE 2015

←.033→

Elevation (m)

17

16

15

14

13

12

11

10

Station (m)

0

2

4

6

8

10

12

Legend

EG T500

EG T200

EG T50

PL T500

PL T200

Crit T500

Crit T200

Crit T50

PL T50

Fondo

Sponda

Elevation (m)

17

16

15

14

13

12

11

10

Station (m)

0

2

4

6

8

10

12

Legend

EG T500

EG T200

EG T50

PL T500

PL T200

Crit T500

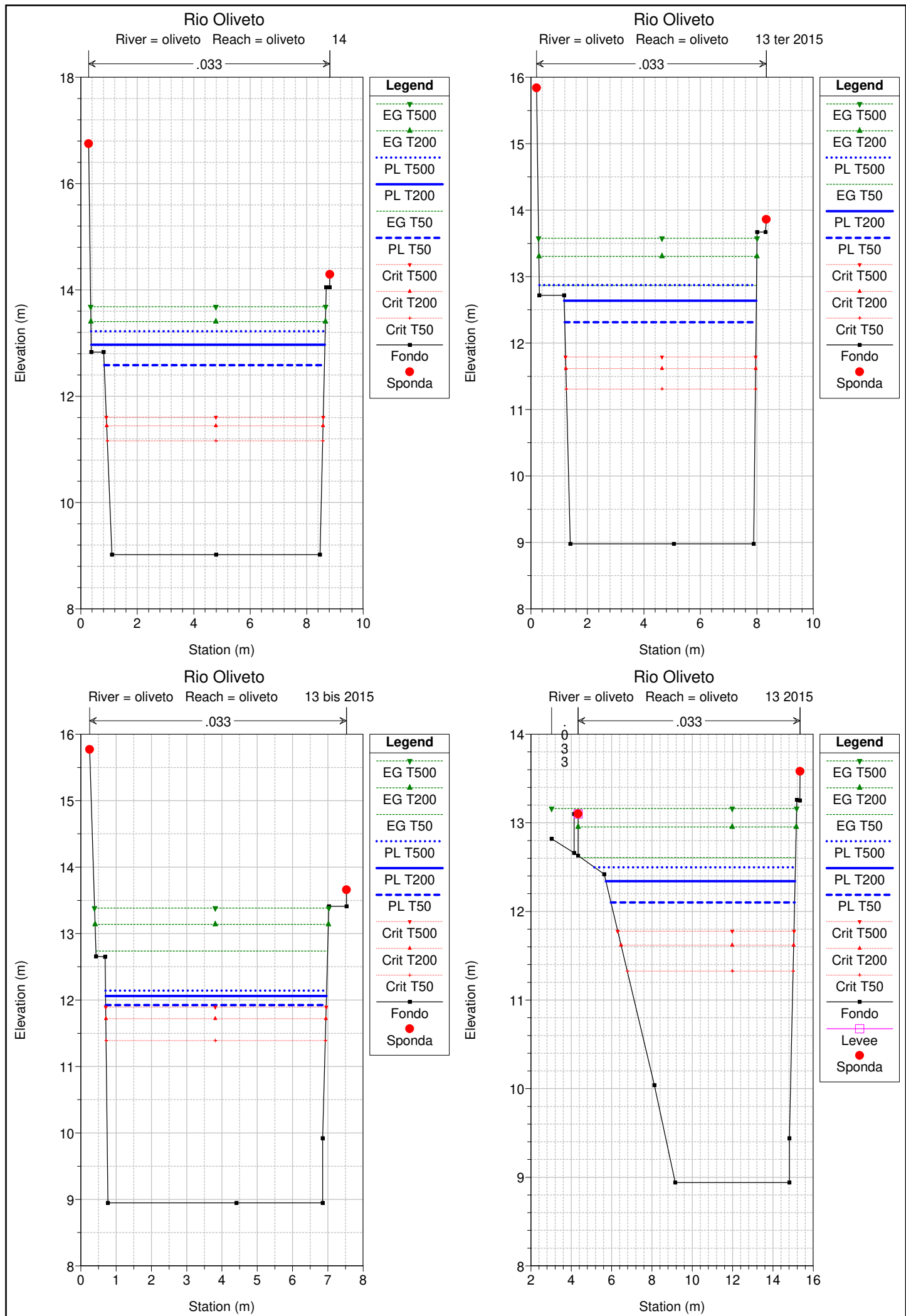
Crit T200

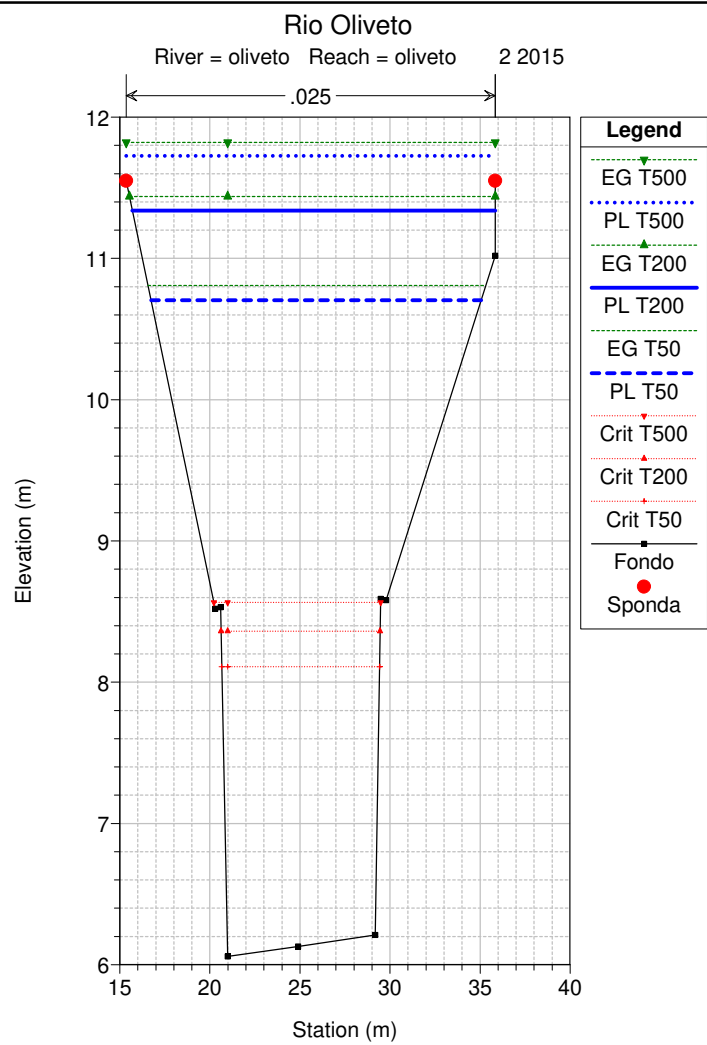
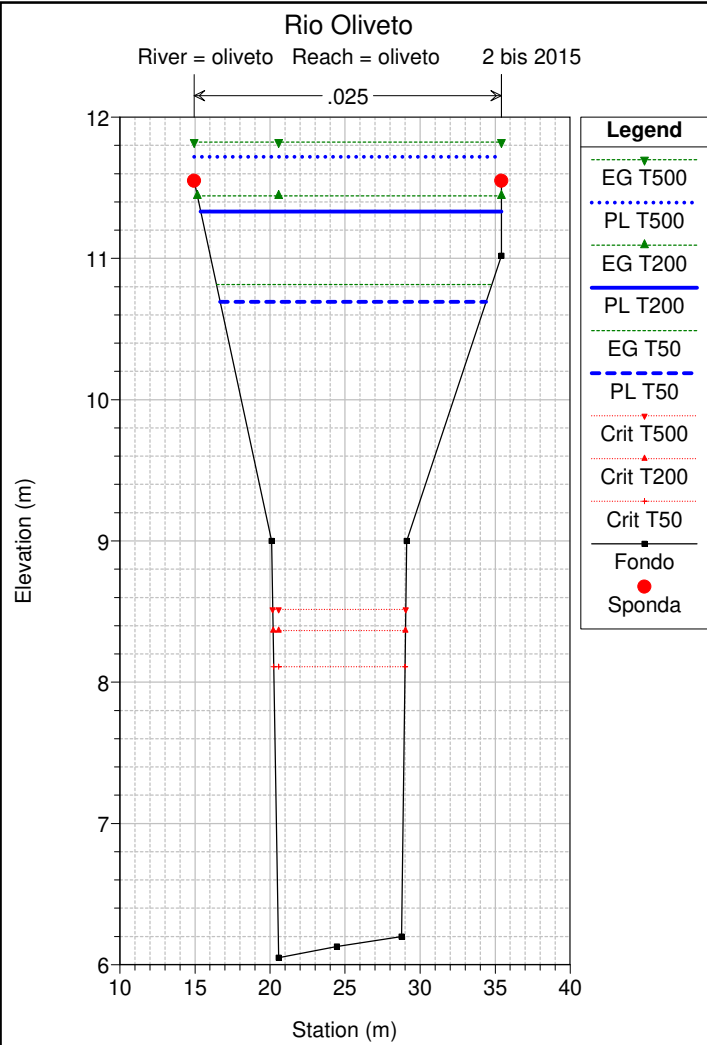
Crit T50

PL T50

Fondo

Sponda





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)	
oliveto	50	T50	73.00	20.24	22.92	24.64	1.72	24.64	1.72	22.93	24.17	0.014037	4.95	14.73	5.95	1.01
oliveto	50	T200	88.00	20.24	24.65	24.64	-0.01	24.64	-0.01	23.27	25.27	0.004916	3.48	25.32	6.27	0.55
oliveto	50	T500	97.00	20.24	24.89	24.64	-0.25	24.64	-0.25	23.45	25.56	0.005147	3.61	26.84	6.27	0.56
oliveto	49	T50	73.00	20.14	22.70	24.64	1.94	24.64	1.94	22.83	24.08	0.016030	5.20	14.03	5.92	1.08
oliveto	49	T200	88.00	20.14	24.65	24.64	-0.01	24.64	-0.01	23.17	25.24	0.004657	3.40	25.87	6.27	0.53
oliveto	49	T500	97.00	20.14	24.89	24.64	-0.25	24.64	-0.25	23.36	25.53	0.004896	3.54	27.39	6.27	0.54
oliveto	48	T50	73.00	20.14	22.76	24.64	1.88	23.14	0.38	22.82	24.05	0.014552	5.03	14.52	6.04	1.04
oliveto	48	T200	88.00	20.14	24.84	24.64	-0.20	23.14	-1.70	23.39	25.15	0.002250	2.62	36.40	12.18	0.40
oliveto	48	T500	97.00	20.14	25.11	24.64	-0.47	23.14	-1.97	23.75	25.43	0.002150	2.63	39.75	12.18	0.39
oliveto	47.1	T50	73.00	19.94	22.29	24.44	2.15	22.94	0.65	22.51	23.78	0.018106	5.40	13.51	5.99	1.15
oliveto	47.1	T200	88.00	19.94	24.84	24.44	-0.40	22.94	-1.90	22.85	25.11	0.001830	2.40	39.51	12.18	0.35
oliveto	47.1	T500	97.00	19.94	25.11	24.44	-0.67	22.94	-2.17	23.46	25.39	0.001781	2.42	42.83	12.18	0.35
oliveto	47	T50	73.00	19.34	21.40	24.44	3.04	22.94	1.54	22.07	23.70	0.034492	6.71	10.87	5.82	1.57
oliveto	47	T200	88.00	19.34	24.87	24.44	-0.43	22.94	-1.93	22.40	25.10	0.001561	2.22	42.45	12.18	0.31
oliveto	47	T500	97.00	19.34	25.14	24.44	-0.70	22.94	-2.20	22.59	25.37	0.001544	2.26	45.76	12.18	0.31
oliveto	46	T50	73.00	19.19	22.74	24.34	1.60	24.10	1.36	21.91	23.43	0.006799	3.70	19.72	6.12	0.66
oliveto	46	T200	88.00	19.19	24.85	24.34	-0.51	24.10	-0.75	22.25	25.09	0.001755	2.25	42.31	12.18	0.31
oliveto	46	T500	97.00	19.19	25.12	24.34	-0.78	24.10	-1.02	22.44	25.37	0.001738	2.29	45.62	12.18	0.31
oliveto	45	T50	73.00	18.84	22.85	24.54	1.69	24.10	1.25	21.51	23.34	0.004230	3.10	23.55	6.55	0.52
oliveto	45	T200	88.00	18.84	24.87	24.54	-0.33	24.10	-0.77	21.85	25.06	0.001334	2.04	46.60	12.67	0.28
oliveto	45	T500	97.00	18.84	25.14	24.54	-0.60	24.10	-1.04	22.03	25.34	0.001338	2.09	50.04	12.67	0.28
oliveto	44	T50	73.00	18.80	22.01	24.33	2.32	24.09	2.08	21.84	23.25	0.012455	4.93	14.80	5.46	0.92
oliveto	44	T200	88.00	18.80	24.55	24.33	-0.22	24.09	-0.46	22.21	25.03	0.004052	3.09	29.13	9.07	0.49
oliveto	44	T500	97.00	18.80	24.81	24.33	-0.48	24.09	-0.72	22.42	25.31	0.004027	3.17	31.45	9.07	0.49
oliveto	43.5		Bridge													
oliveto	43	T50	73.00	18.80	21.70	24.33	2.63	24.09	2.39	21.84	23.25	0.018010	5.51	13.25	5.26	1.08
oliveto	43	T200	88.00	18.80	22.21	24.33	2.12	24.09	1.88	22.21	23.79	0.014572	5.57	15.79	5.59	1.00
oliveto	43	T500	97.00	18.80	22.42	24.33	1.91	24.09	1.67	22.42	24.11	0.014256	5.76	16.85	5.72	1.00
oliveto	42	T50	73.00	18.75	20.71	23.51	2.80	22.79	2.08	21.32	22.79	0.030301	6.39	11.43	7.20	1.62
oliveto	42	T200	88.00	18.75	20.89	23.51	2.62	22.79	1.90	21.61	23.33	0.032448	6.93	12.70	7.23	1.67
oliveto	42	T500	97.00	18.75	20.99	23.51	2.52	22.79	1.80	21.78	23.64	0.033492	7.21	13.45	7.25	1.69
oliveto	41	T50	73.00	18.35	19.71	21.33	1.62	22.40	2.69	20.45	22.26	0.045493	7.07	10.32	9.37	2.15
oliveto	41	T200	88.00	18.35	19.84	21.33	1.49	22.40	2.56	20.68	22.77	0.046959	7.58	11.61	9.62	2.20
oliveto	41	T500	97.00	18.35	19.92	21.33	1.41	22.40	2.48	20.82	23.07	0.047593	7.86	12.34	9.71	2.23
oliveto	40	T50	73.00	17.76	19.61	21.26	1.65	20.95	1.34	20.00	21.19	0.022929	5.57	13.10	7.64	1.36
oliveto	40	T200	88.00	17.76	19.83	21.26	1.43	20.95	1.12	20.28	21.64	0.023536	5.96	14.76	7.66	1.37
oliveto	40	T500	97.00	17.76	19.95	21.26	1.31	20.95	1.00	20.44	21.89	0.023964	6.18	15.69	7.67	1.38

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)	
oliveto	39.9	T50	73.00	17.56	19.29	21.26	1.97	20.95	1.66	19.82	21.16	0.029476	6.06	12.04	7.61	1.54
oliveto	39.9	T200	88.00	17.56	19.51	21.26	1.75	20.95	1.44	20.10	21.61	0.029291	6.42	13.71	7.63	1.53
oliveto	39.9	T500	97.00	17.56	19.63	21.26	1.63	20.95	1.32	20.26	21.86	0.029343	6.62	14.65	7.64	1.53
oliveto	39	T50	73.00	17.01	18.70	21.58	2.88	20.18	1.48	19.27	20.72	0.030187	6.29	11.60	6.86	1.54
oliveto	39	T200	88.00	17.01	18.95	21.58	2.63	20.18	1.23	19.57	21.17	0.029473	6.61	13.32	6.86	1.51
oliveto	39	T500	97.00	17.01	19.10	21.58	2.48	20.18	1.08	19.74	21.44	0.029181	6.77	14.32	6.86	1.50
oliveto	38	T50	73.00	16.50	18.53	21.60	3.07	20.01	1.48	19.01	20.36	0.025106	6.00	12.17	6.00	1.34
oliveto	38	T200	88.00	16.50	18.95	21.60	2.65	20.01	1.06	19.33	20.77	0.022641	5.97	14.73	6.44	1.26
oliveto	38	T500	97.00	16.50	19.14	21.60	2.46	20.01	0.87	19.51	21.02	0.021928	6.07	15.98	6.45	1.23
oliveto	37	T50	73.00	15.30	17.09	18.64	1.55	18.34	1.25	17.77	19.42	0.035204	6.77	10.78	6.06	1.62
oliveto	37	T200	88.00	15.30	17.38	18.64	1.26	18.34	0.96	18.09	19.88	0.033290	7.00	12.56	6.07	1.55
oliveto	37	T500	97.00	15.30	17.55	18.64	1.09	18.34	0.79	18.28	20.15	0.032650	7.15	13.57	6.08	1.53
oliveto	36	T50	73.00	15.05	16.99	20.93	3.94	18.56	1.57	17.52	19.00	0.028564	6.28	11.62	6.00	1.44
oliveto	36	T200	88.00	15.05	17.29	20.93	3.64	18.56	1.27	17.85	19.47	0.027560	6.54	13.46	6.00	1.39
oliveto	36	T500	97.00	15.05	17.47	20.93	3.46	18.56	1.09	18.03	19.74	0.027155	6.68	14.53	6.00	1.37
oliveto	35	T50	73.00	14.90	17.02	20.81	3.79	18.62	1.60	17.37	18.70	0.022223	5.74	12.71	6.00	1.26
oliveto	35	T200	88.00	14.90	17.37	20.81	3.44	18.62	1.25	17.70	19.17	0.021270	5.95	14.79	6.00	1.21
oliveto	35	T500	97.00	14.90	17.63	20.81	3.18	18.62	0.99	17.88	19.42	0.019586	5.92	16.39	6.00	1.14
oliveto	34	T50	73.00	14.50	16.62	18.21	1.59	18.04	1.42	16.98	18.29	0.022142	5.73	12.73	6.07	1.26
oliveto	34	T200	88.00	14.50	16.93	18.21	1.27	18.04	1.11	17.31	18.77	0.021823	6.01	14.65	6.12	1.24
oliveto	34	T500	97.00	14.50	17.14	18.21	1.07	18.04	0.90	17.50	19.03	0.021193	6.10	15.90	6.16	1.21
oliveto	33	T50	73.00	14.24	16.31	17.81	1.50	17.71	1.40	16.71	18.07	0.023816	5.89	12.40	6.02	1.31
oliveto	33	T200	88.00	14.24	16.62	17.81	1.19	17.71	1.09	17.04	18.55	0.023398	6.16	14.29	6.03	1.28
oliveto	33	T500	97.00	14.24	16.82	17.81	0.99	17.71	0.89	17.23	18.82	0.022806	6.26	15.49	6.04	1.25
oliveto	32	T50	73.00	14.05	16.10	17.92	1.82	17.50	1.40	16.52	17.90	0.024433	5.94	12.29	6.00	1.32
oliveto	32	T200	88.00	14.05	16.41	17.92	1.51	17.50	1.09	16.85	18.38	0.024073	6.22	14.14	6.00	1.29
oliveto	32	T500	97.00	14.05	16.60	17.92	1.32	17.50	0.90	17.04	18.65	0.023486	6.33	15.32	6.00	1.26
oliveto	31	T50	73.00	13.92	15.61	19.00	3.39	17.74	2.13	16.19	17.68	0.031276	6.38	11.44	6.78	1.57
oliveto	31	T200	88.00	13.92	15.84	19.00	3.16	17.74	1.90	16.50	18.16	0.031140	6.74	13.05	6.79	1.55
oliveto	31	T500	97.00	13.92	15.99	19.00	3.01	17.74	1.75	16.68	18.43	0.030869	6.92	14.02	6.80	1.54
oliveto	30	T50	73.00	13.50	15.97	17.82	1.85	17.51	1.54	15.97	17.20	0.014447	4.91	14.86	6.10	1.00
oliveto	30	T200	88.00	13.50	16.30	17.82	1.52	17.51	1.21	16.30	17.68	0.014860	5.21	16.88	6.15	1.00
oliveto	30	T500	97.00	13.50	17.11	17.82	0.71	17.51	0.40	16.49	18.10	0.009386	4.43	21.91	6.72	0.78
oliveto	29	T50	73.00	13.41	15.71	17.04	1.33	17.04	1.33	15.86	17.08	0.016849	5.19	14.06	6.18	1.10
oliveto	29	T200	88.00	13.41	16.02	17.04	1.02	17.04	1.02	16.18	17.56	0.017207	5.50	15.99	6.21	1.09
oliveto	29	T500	97.00	13.41	17.06	17.04	-0.02	17.04	-0.02	16.37	18.01	0.015075	4.32	22.44		0.72

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)	
oliveto	28	T50	73.00	13.33	15.38	17.93	2.55	17.09	1.71	15.68	16.91	0.020012	5.49	13.30	6.52	1.23
oliveto	28	T200	88.00	13.33	15.64	17.93	2.29	17.09	1.45	15.99	17.39	0.020645	5.85	15.03	6.56	1.23
oliveto	28	T500	97.00	13.33	17.11	17.93	0.82	17.09	-0.02	16.16	17.88	0.006501	3.87	25.17	13.24	0.67
oliveto	27	T50	73.00	13.27	15.69	16.68	0.99	16.80	1.11	15.61	16.79	0.012476	4.63	15.75	6.50	0.95
oliveto	27	T200	88.00	13.27	16.31	16.68	0.37	16.80	0.49	15.92	17.32	0.009754	4.45	19.78	6.50	0.81
oliveto	27	T500	97.00	13.27	16.87	16.68	-0.18	16.80	-0.07	16.10	17.81	0.014154	4.30	22.57		0.72
oliveto	26.5	T50	73.00	13.05	15.34	17.86	2.52	16.63	1.29	15.34	16.49	0.013451	4.75	15.37	6.75	1.00
oliveto	26.5	T200	88.00	13.05	16.21	17.86	1.65	16.63	0.42	15.65	17.08	0.008046	4.13	21.32	7.02	0.76
oliveto	26.5	T500	97.00	13.05	16.86	17.86	1.00	16.63	-0.23	15.83	17.55	0.005557	3.67	27.20	11.96	0.63
oliveto	26	T50	73.00	12.93	15.10	17.61	2.51	16.41	1.31	15.20	16.34	0.014912	4.92	14.83	6.91	1.07
oliveto	26	T200	88.00	12.93	16.19	17.61	1.42	16.41	0.22	15.50	16.98	0.007123	3.92	22.46	7.32	0.71
oliveto	26	T500	97.00	12.93	16.88	17.61	0.73	16.41	-0.47	15.68	17.46	0.004553	3.43	29.59	11.93	0.57
oliveto	25	T50	73.00	12.84	14.87	16.97	2.10	16.04	1.17	15.04	16.16	0.016163	5.05	14.45	7.24	1.14
oliveto	25	T200	88.00	12.84	16.22	16.97	0.75	16.04	-0.18	15.34	16.87	0.005366	3.59	25.01	11.02	0.63
oliveto	25	T500	97.00	12.84	16.91	16.97	0.06	16.04	-0.87	15.51	17.39	0.003357	3.12	32.68	11.12	0.50
oliveto	24	T50	73.00	12.69	14.53	15.22	0.69	15.22	0.69	14.79	15.88	0.021364	5.15	14.18	7.95	1.23
oliveto	24	T200	88.00	12.69	15.87	15.22	-0.65	15.22	-0.65	15.07	16.70	0.026442	4.05	21.74	8.00	0.73
oliveto	24	T500	97.00	12.69	16.69	15.22	-1.47	15.22	-1.47	15.22	17.29	0.014310	3.42	28.32	8.00	0.55
oliveto	23	T50	73.00	12.65	14.00	15.11	1.11	15.12	1.12	14.50	15.73	0.034618	5.83	12.53	9.40	1.61
oliveto	23	T200	88.00	12.65	15.98	15.11	-0.87	15.12	-0.86	14.75	16.53	0.016354	3.30	26.65	9.49	0.58
oliveto	23	T500	97.00	12.65	16.77	15.11	-1.66	15.12	-1.65	14.89	17.18	0.009196	2.84	34.20	9.49	0.45
oliveto	22.2	T50	73.00	12.20	14.24	15.06	0.82	15.10	0.86	14.02	14.97	0.009654	3.78	19.33	9.50	0.84
oliveto	22.2	T200	88.00	12.20	15.43	15.06	-0.37	15.10	-0.33	14.27	15.96	0.009904	3.22	27.31		0.57
oliveto	22.2	T500	97.00	12.20	16.23	15.06	-1.17	15.10	-1.13	14.40	16.71	0.011882	3.07	31.55	9.53	0.49
oliveto	22	T50	73.00	11.68	13.74	14.04	0.30	13.97	0.23	13.51	14.47	0.009519	3.76	19.39	9.42	0.84
oliveto	22	T200	88.00	11.68	14.40	14.04	-0.36	13.97	-0.43	13.76	15.23	0.019390	4.03	21.86		0.78
oliveto	22	T500	97.00	11.68	15.30	14.04	-1.26	13.97	-1.33	13.90	15.93	0.018150	3.53	27.45	9.45	0.59
oliveto	21	T50	73.00	11.45	13.45	13.84	0.39	13.70	0.25	13.30	14.23	0.010597	3.91	18.65	9.40	0.89
oliveto	21	T200	88.00	11.45	13.94	13.84	-0.10	13.70	-0.24	13.54	14.78	0.019804	4.06	21.67		0.82
oliveto	21	T500	97.00	11.45	14.40	13.84	-0.56	13.70	-0.70	13.68	15.42	0.024062	4.48	21.67		0.83
oliveto	20	T50	73.00	11.10	13.08	13.32	0.24	13.36	0.28	12.94	13.87	0.010895	3.95	18.48	9.42	0.90
oliveto	20	T200	88.00	11.10	13.19	13.32	0.13	13.36	0.17	13.19	14.22	0.013480	4.51	19.52	9.43	1.00
oliveto	20	T500	97.00	11.10	13.48	13.32	-0.16	13.36	-0.12	13.32	14.57	0.026685	4.63	20.96		0.96
oliveto	19	T50	73.00	11.06	13.11	13.05	-0.06	13.06	-0.05	12.81	13.77	0.018076	3.61	20.23		0.80
oliveto	19	T200	88.00	11.06	13.15	13.05	-0.10	13.06	-0.09	13.04	14.12	0.026267	4.35	20.23		0.96
oliveto	19	T500	97.00	11.06	13.27	13.05	-0.22	13.06	-0.21	13.05	14.44	0.031915	4.79	20.23		1.03
oliveto	18	T50	73.00	11.02	12.79	13.10	0.31	13.09	0.30	12.79	13.66	0.013063	4.14	17.63	10.09	1.00

HEC-RAS Plan: SDP River: oliveto Reach: oliveto (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)	
oliveto	18	T200	88.00	11.02	13.02	13.10	0.08	13.09	0.07	13.02	14.01	0.013116	4.41	19.96	10.10	1.00
oliveto	18	T500	97.00	11.02	13.13	13.10	-0.03	13.09	-0.04	13.09	14.25	0.029400	4.68	20.71		1.03
oliveto	17.9	T50	73.00	10.95	12.56	13.16	0.60	13.16	0.60	12.68	13.55	0.016076	4.41	16.54	10.31	1.11
oliveto	17.9	T200	88.00	10.95	12.77	13.16	0.39	13.16	0.39	12.91	13.90	0.016168	4.71	18.70	10.33	1.12
oliveto	17.9	T500	97.00	10.95	13.13	13.16	0.03	13.16	0.03	13.04	14.08	0.011529	4.33	22.39	10.35	0.94
oliveto	17.8	T50	73.00	10.40	11.57	13.16	1.59	13.16	1.59	12.13	13.46	0.043115	6.10	11.97	10.27	1.80
oliveto	17.8	T200	88.00	10.40	13.14	13.16	0.02	13.16	0.02	12.36	13.63	0.005295	3.12	28.16	11.32	0.63
oliveto	17.8	T500	97.00	10.40	13.38	13.16	-0.22	13.16	-0.22	12.49	13.98	0.012834	3.41	28.42		0.63
oliveto	16	T50	73.00	9.56	12.74	15.34	2.60	14.38	1.64	11.49	13.06	0.002887	2.52	29.01	9.76	0.47
oliveto	16	T200	88.00	9.56	13.18	15.34	2.16	14.38	1.20	11.74	13.53	0.002983	2.62	33.54	10.67	0.47
oliveto	16	T500	97.00	9.56	13.47	15.34	1.87	14.38	0.91	11.88	13.83	0.002832	2.65	36.60	10.70	0.46
oliveto	15	T50	73.00	9.08	12.54	16.92	4.38	14.42	1.88	11.42	13.02	0.004781	3.07	23.77	7.49	0.55
oliveto	15	T200	88.00	9.08	12.94	16.92	3.98	14.42	1.48	11.72	13.49	0.005049	3.29	26.79	7.65	0.56
oliveto	15	T500	97.00	9.08	13.20	16.92	3.72	14.42	1.22	11.90	13.78	0.005045	3.36	28.83	7.75	0.56
oliveto	14.5		Bridge													
oliveto	14.1	T50	73.00	9.05	12.58	16.74	4.16	14.31	1.73	11.17	12.96	0.003542	2.71	26.92	7.79	0.47
oliveto	14.1	T200	88.00	9.05	12.97	16.74	3.77	14.31	1.34	11.45	13.41	0.003989	2.93	30.00	8.26	0.49
oliveto	14.1	T500	97.00	9.05	13.22	16.74	3.52	14.31	1.09	11.61	13.69	0.004043	3.02	32.08	8.27	0.49
oliveto	14	T50	73.00	9.02	12.58	16.75	4.17	14.29	1.71	11.16	12.95	0.003469	2.70	27.02	7.80	0.46
oliveto	14	T200	88.00	9.02	12.97	16.75	3.78	14.29	1.32	11.44	13.41	0.003913	2.92	30.11	8.28	0.49
oliveto	14	T500	97.00	9.02	13.22	16.75	3.53	14.29	1.07	11.61	13.68	0.003968	3.01	32.19	8.29	0.4

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)	
oliveto	11	T50	73.00	8.36	11.38	12.30	0.92	12.39	1.01	10.79	11.91	0.005324	3.22	22.64	10.06	0.69
oliveto	11	T200	88.00	8.36	11.65	12.30	0.65	12.39	0.74	11.07	12.26	0.006035	3.46	25.42	11.21	0.73
oliveto	11	T500	97.00	8.36	12.07	12.30	0.23	12.39	0.32	11.23	12.58	0.004722	3.17	30.63	12.62	0.65
oliveto	10	T50	73.00	8.18	10.88	12.10	1.22	12.23	1.35	10.88	11.71	0.011053	4.04	18.07	10.85	1.00
oliveto	10	T200	88.00	8.18	11.53	12.10	0.57	12.23	0.70	11.15	12.11	0.006306	3.39	25.96	13.27	0.77
oliveto	10	T500	97.00	8.18	12.02	12.10	0.08	12.23	0.21	11.30	12.46	0.004003	2.96	32.74	14.07	0.62
oliveto	9	T50	73.00	8.15	10.23	14.67	4.44	12.24	2.01	10.60	11.53	0.021475	5.04	14.47	10.91	1.40
oliveto	9	T200	88.00	8.15	11.66	14.67	3.01	12.24	0.58	10.85	12.00	0.003189	2.58	34.15	16.23	0.57
oliveto	9	T500	97.00	8.15	12.11	14.67	2.56	12.24	0.13	10.98	12.39	0.002190	2.34	41.45	16.46	0.47
oliveto	8	T50	73.00	8.08	10.97	13.26	2.29	12.22	1.25	10.48	11.37	0.004571	2.78	26.24	15.31	0.68
oliveto	8	T200	88.00	8.08	11.69	13.26	1.57	12.22	0.53	10.71	11.95	0.002454	2.27	38.72	19.06	0.51
oliveto	8	T500	97.00	8.08	12.14	13.26	1.12	12.22	0.08	10.83	12.35	0.001630	2.05	47.31	19.26	0.42
oliveto	7	T50	73.00	7.64	10.88	11.80	0.92	11.97	1.09	10.04	11.17	0.002873	2.36	30.89	15.95	0.54
oliveto	7	T200	88.00	7.64	11.64	11.80	0.16	11.97	0.33	10.27	11.84	0.001614	1.96	44.85	19.55	0.41
oliveto	7	T500	97.00	7.64	12.11	11.80	-0.31	11.97	-0.14	10.40	12.27	0.001121	1.80	53.94	19.57	0.35
oliveto	6	T50	73.00	7.15	10.84	11.65	0.81	11.85	1.01	9.46	11.02	0.001463	1.88	38.75	16.66	0.39
oliveto	6	T200	88.00	7.15	11.61	11.65	0.04	11.85	0.24	9.70	11.76	0.000930	1.69	52.20	17.82	0.31
oliveto	6	T500	97.00	7.15	12.08	11.65	-0.43	11.85	-0.23	9.83	12.21	0.000708	1.60	60.84	18.26	0.28
oliveto	5	T50	73.00	7.15	10.84	11.65	0.81	11.85	1.01	9.46	11.02	0.000844	1.89	38.68	16.65	0.40
oliveto	5	T200	88.00	7.15	11.61	11.65	0.04	11.85	0.24	9.70	11.76	0.000535	1.69	52.16	17.82	0.31
oliveto	5	T500	97.00	7.15	12.08	11.65	-0.43	11.85	-0.23	9.83	12.21	0.000407	1.60	60.81	18.26	0.28
oliveto	4	T50	73.00	6.52	10.77	8.70	-2.07	8.76	-2.00	8.70	11.00	0.003621	2.16	33.79	15.29	0.33
oliveto	4	T200	88.00	6.52	11.56	8.70	-2.86	8.76	-2.80	8.72	11.74	0.001966	1.90	46.20	15.79	0.27
oliveto	4	T500	97.00	6.52	12.04	8.70	-3.34	8.76	-3.27	8.73	12.20	0.001487	1.80	53.75	15.79	0.25
oliveto	3	T50	73.00	6.40	10.76	11.54	0.78	11.54	0.78	9.25	10.99	0.001266	2.15	34.00	12.70	0.42
oliveto	3	T200	88.00	6.40	11.53	11.54	0.01	11.54	0.01	9.57	11.74	0.000881	2.01	43.80	12.70	0.35
oliveto	3	T500	97.00	6.40	12.00	11.54	-0.46	11.54	-0.46	9.71	12.20	0.000742	1.95	49.79	12.70	0.31
oliveto	2.5		Bridge													
oliveto	2	T50	73.00	6.05	10.69	11.55	0.86	11.55	0.86	8.11	10.81	0.000582	1.54	47.29	17.71	0.30
oliveto	2	T200	88.00	6.05	11.33	11.55	0.22	11.55	0.22	8.37	11.44	0.000458	1.48	59.49	20.03	0.27
oliveto	2	T500	97.00	6.05	11.72	11.55	-0.17	11.55	-0.17	8.51	11.82	0.000387	1.44	67.38	20.47	0.25
oliveto	1	T50	73.00	6.06	10.70	11.55	0.85	11.55	0.85	8.11	10.81	0.000471	1.44	50.54	18.32	0.28
oliveto	1	T200	88.00	6.06	11.34	11.55	0.21	11.55	0.21	8.36	11.44	0.000376	1.40	62.89	20.14	0.25
oliveto	1	T500	97.00	6.06	11.73	11.55	-0.17	11.55	-0.17	8.56	11.82	0.000323	1.37	70.77	20.49	0.24