PROVINCIA DI SAVONA

STUDIO DELLE FASCE FLUVIALI DEI SOTTOBACINI DEL FIUME BORMIDA DI SPIGNO E DEL FIUME BORMIDA DI MILLESIMO

ATTIVITA' G – ANALISI IDRAULICA

RELAZIONE ILLUSTRATIVA DELLE ANALISI IDRAULICHE

ALLEGATO 2 (DATI IDRAULICI)

CODICE DOCUMENTO	ELABORATO
1548/03-02100.DOC	**9.2**

00	**DIC. 02**	**A.CROSTA**	**R.DUTTO**	**M.BUFFO**	
REV.	DATA	REDAZIONE	VERIFICA	AUTORIZZAZIONE	MODIFICHE

HYDRODATA INGEGNERIA DELLE RISORSE IDRICHE
ART S.r.l. AMBIENTE RISORSE TERRITORIO
INTECNO-DHI WATER & ENVIRONMENT

SGA – GENOVA
Studio Dott. Francesco Cipolla
Dott. Claudio Sebastiani
Geologi Associati

ALLEGATO 2

Dati Idraulici (Tabelle e grafici)

ALLEGATO 2.1

Tabelle riassuntive delle principali grandezze idrauliche

Profili di calcolo del Fiume Bormida di Millesimo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM000	0.00	698.01	700.34	110	32.20	13.80	3.42	2.33	0.71	
BM001	1.00	698.01	700.33	110	32.14	13.80	3.43	2.32	0.72	BM001.A001
BM001.1	4.80	698.01	700.29	121	31.58	13.80	3.49	2.28	0.74	
BM002	290.71	695.58	697.71	121	59.19	86.31	2.12	2.13	0.81	
BM003	717.81	690.66	693.72	121	70.92	97.60	2.62	3.06	0.76	
BM004	905.66	689.40	692.20	121	39.25	14.00	3.07	2.80	0.59	BM004.A002
BM004.1	909.96	689.40	691.88	121	34.68	14.00	3.48	2.48	0.71	
BM005	1082.67	687.18	690.21	132	62.20	80.89	2.77	3.03	0.84	
BM006	1736.68	681.79	683.56	132	91.86	166.91	1.42	1.77	0.69	
BM007	2288.18	676.19	679.14	142	59.55	64.14	2.58	2.95	0.82	
BM008	2501.17	674.20	676.99	142	58.76	25.50	2.40	2.79	0.63	BM008.A003
BM008.1	2504.97	674.20	676.97	142	58.29	25.50	2.42	2.77	0.52	
BM009	2715.25	672.80	675.86	142	60.32	54.25	2.41	3.06	0.75	
BM010	3497.47	666.37	669.66	142	57.61	36.97	2.44	3.29	0.64	
BM011	3793.60	664.75	668.03	142	60.25	57.25	2.87	3.28	0.83	
BM012	3890.41	664.70	667.45	142	74.58	27.10	1.88	2.75	0.37	BM012.A004
BM012.1	3895.51	664.70	667.35	142	71.69	27.10	1.96	2.65	0.43	
BM013	4366.40	663.06	665.59	142	58.80	63.17	2.71	2.53	0.81	
BM014	5132.22	654.94	657.56	159	62.61	63.88	2.56	2.62	0.85	
BM015	5472.97	651.40	654.01	159	57.06	26.30	2.72	2.61	0.66	BM015.A005
BM015.1	5475.97	651.40	653.95	159	55.41	26.30	2.80	2.55	0.70	
BM016	5951.38	647.75	651.20	175	70.39	51.18	2.20	3.45	0.61	
BM017	6452.64	647.10	648.59	218	89.03	24.80	2.53	1.49	0.55	BM017.A006
BM017.1	6456.94	647.10	648.46	218	85.81	24.80	2.51	1.36	0.54	
BM018	6653.40	644.00	647.60	218	78.13	86.30	3.31	3.60	1.09	
BM019	7014.90	642.90	644.72	218	81.66	44.80	2.53	1.82	0.60	BM019.A007
BM019.1	7019.40	642.90	644.48	218	70.84	44.80	2.91	1.58	0.74	
BM020	7179.33	641.50	643.38	218	86.37	46.00	2.39	1.88	0.56	BM020.A008
BM020.1	7187.43	641.50	642.89	218	63.79	46.00	3.24	1.39	0.88	
BM021	7344.36	639.10	641.10	218	99.18	49.50	2.08	2.00	0.47	BM021.A009
BM021.1	7357.46	639.10	640.99	218	93.55	49.50	2.27	1.89	0.75	

Profili di calcolo del Fiume Bormida di Millesimo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM022	7475.47	636.79	640.60	304	140.89	110.31	2.45	3.81	0.61	
CONFL_FS	7554.00	636.27	640.19	380	151.80	118.29	2.27	3.92	1.18	
BM023	7956.88	633.61	637.76	380	236.35	207.30	1.85	4.15	0.49	
BM024	8474.71	633.67	636.21	380	117.53	132.12	3.85	2.54	1.17	
BM025	8811.65	626.47	630.18	385	151.92	147.40	2.90	3.71	0.84	
BM026	9539.81	620.30	623.67	385	106.31	31.50	3.39	3.37	0.59	BM026.A010
BM026.1	9544.61	620.30	623.11	385	88.54	31.50	4.07	2.81	0.78	
BM027	10347.54	613.40	616.59	385	140.24	44.00	2.57	3.19	0.50	BM027.A011
BM027.1	10352.74	613.40	616.54	385	138.06	44.00	2.61	3.14	0.54	
BM028	10840.46	609.31	614.49	390	111.29	60.94	3.29	5.18	0.84	
BM029	11360.19	607.10	610.02	390	101.18	34.60	3.58	2.92	0.71	BM029.A012
BM029.1	11364.49	607.10	609.94	390	98.34	34.60	3.69	2.84	0.75	
BM30	11688.64	603.47	608.41	390	154.73	50.46	2.35	4.94	0.47	
CONFL_VE	11926.00	602.49	607.54	444	131.47	59.98	3.00	5.05	0.75	
BM31	12041.01	602.02	606.76	452	114.58	44.15	3.56	4.74	0.70	
BM032	13172.38	597.60	599.36	452	73.66	42.40	5.64	1.76	1.37	BM032.A013
BM032.1	13175.58	597.60	599.34	452	73.65	42.40	5.64	1.74	1.37	
CONFL_SI	13400.00	588.94	593.25	510	127.55	61.25	3.46	4.31	0.79	
BM033	15365.30	572.60	576.71	528	203.13	49.40	2.51	4.11	0.41	BM033.A014
BM033.1	15371.10	572.60	576.50	528	192.86	49.40	2.64	3.90	0.43	
BM034	15491.41	572.20	576.24	528	224.44	82.30	2.27	4.04	0.44	BM034.A015
BM034.1	15499.51	572.20	574.79	528	105.14	82.30	5.36	2.59	1.45	
BM035	15681.58	566.98	570.85	546	140.39	61.33	3.65	3.87	0.77	
BM036	16356.65	559.93	565.89	546	203.87	160.11	2.84	5.96	0.75	
BM037	16487.37	559.45	564.84	546	178.32	97.36	2.93	5.39	0.70	
BM038	17006.00	557.54	561.46	546	125.94	52.13	4.14	3.92	0.88	
BM039	17281.40	555.70	559.19	546	391.27	113.40	1.35	3.49	0.43	BM039.A017
BM039.1	17289.00	555.70	559.15	546	390.74	113.40	1.36	3.45	0.48	
BM040	17589.72	553.40	558.42	546	164.21	35.31	3.17	5.02	0.47	BM040.A018
BM040.1	17597.32	553.40	558.39	546	163.14	34.31	3.19	4.99	0.47	
BM041	17628.82	553.30	558.17	546	138.76	28.50	3.75	4.87	0.54	BM041.A019

Profili di calcolo del Fiume Bormida di Millesimo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM041.1	17633.02	553.30	558.04	546	135.09	28.50	3.86	4.74	0.57	
BM042	18053.01	551.32	555.77	546	146.78	74.96	3.68	4.45	0.82	
BM043	18483.91	548.60	552.23	546	200.52	65.00	2.60	3.63	0.59	BM043.A020
BM043.1	18488.51	548.60	551.36	546	143.79	65.00	3.62	2.76	0.78	
BM044	19617.71	537.92	543.07	555	121.06	32.30	4.34	5.15	0.72	
BM045	20106.53	535.39	540.18	555	110.82	47.66	4.74	4.79	0.99	
BM046	20381.43	533.20	536.67	555	187.61	69.30	2.80	3.47	0.69	BM046.A021
BM046.1	20387.23	533.20	535.76	555	124.68	69.30	4.22	2.56	1.08	
BM047	20411.35	532.80	535.41	555	155.76	59.60	3.38	2.61	0.67	BM047.A022
BM047.1	20418.95	532.80	535.15	555	139.89	59.60	3.76	2.35	0.79	
BM048	21747.17	520.74	524.46	555	116.19	50.35	4.53	3.72	0.96	
BM049	22368.49	512.60	517.43	555	193.11	40.00	2.72	4.83	0.40	BM049.A023
BM049.1	22371.59	512.60	515.87	555	130.72	40.00	4.02	3.27	0.71	
BM050	22785.27	509.00	514.01	581	246.26	49.20	2.20	5.01	0.31	BM050.A024
BM050.1	22789.27	509.00	512.11	581	153.12	49.20	3.53	3.11	0.66	
BM051	23170.10	506.10	509.96	581	150.12	65.92	3.65	3.86	0.77	
BM052	23628.25	502.70	506.48	581	137.34	51.55	3.94	3.78	0.78	
BM053	23775.53	501.13	505.30	581	116.68	41.54	4.63	4.17	0.88	
BM054	24086.54	497.81	502.53	581	220.01	153.04	2.75	4.72	0.69	
BM055	24617.74	495.11	499.19	581	159.44	62.40	3.38	4.08	0.72	
BM056	24751.61	494.17	498.32	581	139.89	55.39	3.86	4.15	0.78	
BM057	25041.56	492.12	496.18	581	104.71	35.32	5.16	4.06	0.96	
BM058	27414.63	465.10	468.90	599	152.18	40.00	3.61	3.80	0.59	BM058.A027
BM058.1	27416.63	465.10	468.79	599	147.63	40.00	3.72	3.69	0.62	
CONFL_OS	27731.00	460.55	467.27	683	101.14	39.06	5.82	6.72	1.17	
BM059	27996.88	458.55	462.54	683	111.74	40.09	5.55	3.99	1.06	
BM060	28321.66	455.60	458.24	683	217.43	82.30	2.76	2.64	0.56	BM060.A028
BM060.1	28331.86	455.60	458.01	683	197.88	82.30	3.06	2.41	0.65	
BM061	28722.25	452.50	456.39	683	269.09	69.20	2.31	3.89	0.37	BM061.A029
BM061.1	28732.45	452.50	456.23	683	258.16	69.20	2.41	3.73	0.40	
BM062	29058.66	452.10	455.12	683	189.03	62.60	3.29	3.02	0.61	BM062.A030

Profili di calcolo del Fiume Bormida di Millesimo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM062.1	29066.46	452.10	455.01	683	182.28	62.60	3.41	2.91	0.64	
BM063	29845.27	447.56	451.16	688	207.09	105.67	2.97	3.60	0.68	
BM064	30498.79	443.60	447.41	688	222.27	68.88	2.74	3.81	0.54	BM064.A031
BM064.1	30505.79	443.60	446.61	688	167.20	67.30	3.65	3.01	0.76	
BM065	31410.30	434.23	440.69	694	177.02	59.68	3.92	6.46	0.64	
DM	31870.00	432.11	438.69	694	189.46	37.54	3.17	6.58	0.45	
DV	31880.00	431.78	436.26	694	136.30	37.10	4.41	4.48	0.74	
BM066	32554.72	428.80	431.79	694	214.83	72.00	2.80	2.99	0.52	BM066.A032
BM066.1	32562.72	428.80	431.76	694	212.49	72.00	2.83	2.96	0.53	
TM	33300.00	421.60	430.35	694	875.31	100.00	0.30	8.75	0.02	
TV	33310.00	421.60	425.50	694	389.63	100.00	1.54	3.90	0.46	
BM067	33434.89	420.40	425.04	704	179.18	45.62	3.31	4.64	0.54	
BM068	33523.05	419.86	424.78	704	185.96	48.83	3.12	4.92	0.51	
BM069	33837.65	417.93	423.33	704	142.70	53.46	4.06	5.40	0.79	
BM070	34049.31	418.10	422.22	704	240.03	68.43	2.41	4.12	0.41	BM070.A035
BM070.1	34061.21	418.10	421.31	704	183.25	57.10	3.17	3.21	0.68	
BM071	34167.88	415.91	420.95	704	184.81	49.52	3.15	5.04	0.52	
BM072	34513.99	415.75	419.63	704	170.92	60.79	3.52	3.88	0.68	
CONFL_ZE	34800.00	414.32	418.58	730	219.80	86.28	3.00	4.26	0.61	
BM073	35024.69	413.20	418.07	730	334.82	165.90	2.02	4.87	0.45	
BM074	35549.69	411.64	416.47	734	277.55	157.88	2.64	4.83	0.62	
BM075	35970.69	410.52	414.36	735	196.65	82.19	3.50	3.84	0.72	
BM076	36277.69	408.95	413.07	735	343.53	170.66	1.99	4.12	0.45	
BM077	36886.69	407.37	412.04	741	507.08	171.22	1.36	4.67	0.36	
BM078	37145.69	407.33	411.96	744	743.51	211.28	0.00	4.63	0.20	
BM079	37401.69	407.28	411.17	748	214.49	113.89	3.32	3.89	0.77	BM079.A036
BM079.1	37405.69	407.28	411.02	748	199.07	104.94	3.56	3.74	0.83	
BM080	37882.69	403.29	407.66	768	198.17	54.28	3.50	4.37	0.58	
BM081	38172.34	402.96	407.12	768	299.96	95.85	2.29	4.16	0.41	BM081.A037
BM081.1	38182.34	402.96	407.10	768	298.72	94.90	2.29	4.14	0.41	
BM082	38412.34	402.90	406.54	809	319.38	226.43	2.26	3.64	0.74	

Profili di calcolo del Fiume Bormida di Millesimo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM083	38792.34	402.70	405.01	809	265.87	134.17	2.62	2.31	0.59	BM083.D011
BM083.1	38802.34	402.70	404.90	809	637.18	134.18	1.09	2.20	0.24	
BM084	38857.14	398.90	404.88	809	532.49	103.32	1.31	5.98	0.18	BM084.A038
BM084.1	38867.14	398.90	404.86	809	532.17	103.32	1.31	5.96	0.18	
BM085	38988.14	398.78	404.36	830	194.48	55.31	3.59	5.58	0.61	
BM086	39320.71	398.10	403.07	830	209.44	70.16	3.63	4.97	0.68	BM086.A039
BM086.1	39327.71	398.10	402.94	830	200.93	69.25	3.79	4.84	0.71	
BM087	39688.71	396.42	401.63	830	283.01	113.73	2.50	5.21	0.60	
BM088	40392.71	394.16	400.03	850	312.14	94.82	2.29	5.87	0.41	
BM089	40727.71	393.50	399.03	850	225.97	64.30	3.18	5.53	0.61	
BM090	41382.71	390.93	396.93	850	253.72	66.27	2.83	6.00	0.46	
BM091	41687.71	390.22	395.89	850	200.72	54.69	3.58	5.67	0.60	
BM092	42026.19	389.30	395.09	850	261.40	68.02	2.75	5.79	0.45	BM092.A040
BM092.1	42032.19	389.30	395.07	850	260.41	67.97	2.76	5.77	0.45	
BM093	42128.19	389.20	394.91	850	293.18	116.68	2.45	5.71	0.85	

Attraversamenti Fiume Bormida di Millesimo T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BM001.A001	700.33	700.29	0.04	700.00	700.70	**-0.33**
BM004.A002	692.20	691.88	0.32	692.90	693.50	**0.70**
BM008.A003	676.99	676.97	0.02	678.40	678.90	1.41
BM012.A004	667.45	667.35	0.10	669.00	669.80	1.55
BM015.A005	654.01	653.95	0.06	654.90	655.90	**0.89**
BM017.A006	648.59	648.46	0.13	647.00	647.90	**-1.59**
BM019.A007	644.72	644.48	0.24	645.70	646.80	**0.98**
BM020.A008	643.38	642.89	0.49	645.50	646.50	2.12
BM021.A009	641.10	640.99	0.11	645.70	647.50	4.60
BM026.A010	623.67	623.11	0.56	627.90	628.90	4.23
BM027.A011	616.59	616.54	0.05	621.40	622.40	4.81
BM029.A012	610.02	609.94	0.08	610.10	611.00	**0.08**
BM032.A013	599.36	599.34	0.02	605.60	606.60	6.24
BM033.A014	576.71	576.50	0.21	580.70	581.70	3.99
BM034.A015	576.24	574.79	1.45	579.30	581.60	3.06
BM039.A017	559.19	559.15	0.04	562.90	565.10	3.71
BM040.A018	558.42	558.39	0.03	560.60	562.80	2.18
BM041.A019	558.17	558.04	0.13	559.10	559.60	**0.93**
BM043.A020	552.23	551.36	0.87	553.00	554.00	**0.77**
BM046.A021	536.67	535.76	0.91	541.50	543.20	4.83
BM047.A022	535.41	535.15	0.26	545.40	547.20	9.99
BM049.A023	517.43	515.87	1.56	523.60	525.10	6.17
BM050.A024	514.01	512.11	1.90	513.90	514.90	**-0.11**
BM058.A027	468.90	468.79	0.11	473.15	473.40	4.25
BM060.A028	458.24	458.01	0.23	468.60	470.10	10.36
BM061.A029	456.39	456.23	0.16	464.10	465.60	7.71
BM062.A030	455.12	455.01	0.11	462.60	463.60	7.48
BM064.A031	447.41	446.61	0.80	453.10	454.10	5.69
BM066.A032	431.79	431.76	0.03	437.00	438.00	5.21
BM070.A035	422.22	421.31	0.91	426.40	427.00	4.18
BM079.A036	411.17	411.02	0.15	410.60	412.10	**-0.57**

Attraversamenti Fiume Bormida di Millesimo T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BM081.A037	407.12	407.10	0.02	408.00	409.40	**0.88**
BM084.A038	404.88	404.86	0.02	404.80	405.60	**-0.08**
BM086.A039	403.07	402.94	0.13	404.60	405.30	1.53
BM092.A040	395.09	395.07	0.02	395.90	397.40	**0.81**

Profili di calcolo del Fiume Bormida di Millesimo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM000	0.00	698.01	700.77	149	38.16	13.80	3.90	2.76	0.75	
BM001	1.00	698.01	700.76	149	38.08	13.80	3.91	2.75	0.75	BM001.A001
BM001.1	4.80	698.01	700.72	163	37.51	13.80	3.97	2.71	0.77	
BM002	290.71	695.58	697.88	163	73.64	98.17	2.15	2.30	0.81	
BM003	717.81	690.66	693.96	163	94.34	99.30	2.62	3.30	0.75	
BM004	905.66	689.40	692.79	163	47.45	14.00	3.44	3.39	0.60	BM004.A002
BM004.1	909.96	689.40	692.32	163	40.85	14.00	4.00	2.92	0.75	
BM005	1082.67	687.18	690.44	178	86.30	119.01	2.78	3.26	0.85	
BM006	1736.68	681.79	683.68	178	113.63	175.26	1.56	1.89	0.70	
BM007	2288.18	676.19	679.43	192	79.53	78.68	2.59	3.24	0.82	
BM008	2501.17	674.20	677.35	192	67.99	25.50	2.80	3.15	0.63	BM008.A003
BM008.1	2504.97	674.20	677.33	192	67.44	25.50	2.82	3.13	0.61	
BM009	2715.25	672.80	676.17	192	79.56	68.27	2.48	3.37	0.76	
BM010	3497.47	666.37	670.11	192	76.93	52.98	2.55	3.74	0.65	
BM011	3793.60	664.75	668.38	192	81.10	65.89	2.89	3.63	0.83	
BM012	3890.41	664.70	667.91	192	86.88	27.10	2.18	3.21	0.39	BM012.A004
BM012.1	3895.51	664.70	667.73	192	82.00	27.10	2.31	3.03	0.43	
BM013	4366.40	663.06	665.79	192	72.28	66.88	2.72	2.73	0.81	
BM014	5132.22	654.94	657.79	214	78.12	67.56	2.67	2.85	0.86	
BM015	5472.97	651.40	654.47	214	69.18	26.30	3.01	3.07	0.66	BM015.A005
BM015.1	5475.97	651.40	654.40	214	67.16	26.30	3.10	3.00	0.71	
BM016	5951.38	647.75	651.56	235	90.01	62.28	2.32	3.81	0.62	
BM017	6452.64	647.10	649.02	293	99.66	24.80	2.79	1.92	0.55	BM017.A006
BM017.1	6456.94	647.10	648.82	293	94.73	24.80	2.94	1.72	0.55	
BM018	6653.40	644.00	647.97	293	112.46	101.59	3.32	3.97	1.10	
BM019	7014.90	642.90	645.09	293	97.90	44.80	2.84	2.19	0.61	BM019.A007
BM019.1	7019.40	642.90	644.80	293	85.18	44.80	3.26	1.90	0.76	
BM020	7179.33	641.50	643.76	293	103.99	46.00	2.67	2.26	0.57	BM020.A008
BM020.1	7187.43	641.50	643.18	293	77.33	46.00	3.60	1.68	0.89	
BM021	7344.36	639.10	641.46	293	116.58	49.50	2.44	2.36	0.51	BM021.A009
BM021.1	7357.46	639.10	641.31	293	109.35	49.50	2.59	2.21	0.75	

Profili di calcolo del Fiume Bormida di Millesimo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM022	7475.47	636.79	640.92	408	178.15	124.89	2.56	4.13	0.64	
CONFL_FS	7554.00	636.27	640.51	508	194.34	145.65	2.37	4.24	1.18	
BM023	7956.88	633.61	638.02	508	294.89	229.60	1.86	4.41	0.49	
BM024	8474.71	633.67	636.42	508	144.94	144.34	3.86	2.75	1.17	
BM025	8811.65	626.47	630.42	515	187.50	148.17	2.93	3.95	0.89	
BM026	9539.81	620.30	624.44	515	130.48	31.50	3.73	4.14	0.59	BM026.A010
BM026.1	9544.61	620.30	623.73	515	107.94	31.50	4.51	3.43	0.78	
BM027	10347.54	613.40	617.30	515	171.56	44.00	2.84	3.90	0.55	BM027.A011
BM027.1	10352.74	613.40	617.24	515	168.85	44.00	2.88	3.84	0.59	
BM028	10840.46	609.31	615.10	521	151.59	75.48	3.29	5.79	0.84	
BM029	11360.19	607.10	610.67	521	123.64	34.60	3.96	3.57	0.73	BM029.A012
BM029.1	11364.49	607.10	610.52	521	118.49	34.60	4.14	3.42	0.78	
BM30	11688.64	603.47	608.99	521	184.26	51.33	2.67	5.52	0.47	
CONFL_VE	11926.00	602.49	608.18	600	171.01	63.99	3.13	5.69	0.75	
BM31	12041.01	602.02	607.44	606	147.45	53.46	3.78	5.42	0.73	
BM032	13172.38	597.60	599.73	606	89.50	42.40	6.29	2.13	1.39	BM032.A013
BM032.1	13175.58	597.60	599.71	606	89.49	42.40	6.29	2.11	1.39	
CONFL_SI	13400.00	588.94	593.76	684	160.85	70.05	3.71	4.82	0.80	
BM033	15365.30	572.60	577.13	708	223.74	49.40	3.08	4.53	0.46	BM033.A014
BM033.1	15371.10	572.60	577.01	708	217.63	49.40	3.17	4.41	0.48	
BM034	15491.41	572.20	576.72	708	264.02	82.30	2.61	4.52	0.46	BM034.A015
BM034.1	15499.51	572.20	575.22	708	140.41	82.30	5.38	3.02	1.45	
BM035	15681.58	566.98	571.43	732	179.58	75.80	3.91	4.45	0.80	
BM036	16356.65	559.93	566.24	732	262.73	174.41	2.85	6.31	0.75	
BM037	16487.37	559.45	565.31	732	228.63	112.89	3.09	5.86	0.70	
BM038	17006.00	557.54	562.01	732	156.00	56.61	4.52	4.47	0.89	
BM039	17281.40	555.70	560.15	732	500.42	113.40	1.41	4.45	0.43	BM039.A017
BM039.1	17289.00	555.70	560.11	732	499.98	113.40	1.41	4.41	0.49	
BM040	17589.72	553.40	559.36	732	208.73	51.80	3.37	5.96	0.56	BM040.A018
BM040.1	17597.32	553.40	559.33	732	207.32	51.80	3.40	5.93	0.56	
BM041	17628.82	553.30	559.03	732	163.26	28.50	4.31	5.73	0.58	BM041.A019
BM041.1	17633.02	553.30	558.81	732	156.93	28.50	4.49	5.51	0.61	

Profili di calcolo del Fiume Bormida di Millesimo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM042	18053.01	551.32	556.42	732	211.95	122.61	3.68	5.10	0.81	
BM043	18483.91	548.60	552.85	732	240.89	65.00	2.92	4.25	0.59	BM043.A020
BM043.1	18488.51	548.60	551.84	732	174.95	65.00	4.02	3.24	1.04	
BM044	19617.71	537.92	543.85	744	147.30	34.96	4.83	5.93	0.75	
BM045	20106.53	535.39	540.77	744	139.59	54.51	5.10	5.38	1.02	
BM046	20381.43	533.20	537.26	744	228.96	69.30	3.11	4.06	0.70	BM046.A021
BM046.1	20387.23	533.20	536.26	744	159.42	69.30	4.47	3.06	1.08	
BM047	20411.35	532.80	535.99	744	190.29	59.60	3.74	3.19	0.67	BM047.A022
BM047.1	20418.95	532.80	535.64	744	169.53	59.60	4.20	2.84	0.80	
BM048	21747.17	520.74	525.12	744	152.15	60.12	4.68	4.38	0.96	
BM049	22368.49	512.60	518.50	744	235.82	40.00	3.02	5.90	0.40	BM049.A023
BM049.1	22371.59	512.60	516.60	744	160.16	40.00	4.44	4.00	0.72	
BM050	22785.27	509.00	514.90	779	290.15	49.20	2.53	5.90	0.33	BM050.A024
BM050.1	22789.27	509.00	512.73	779	183.67	49.20	3.99	3.73	0.66	
BM051	23170.10	506.10	510.52	779	188.03	72.51	3.90	4.42	0.78	
BM052	23628.25	502.70	507.14	779	180.73	63.99	4.06	4.44	0.77	
BM053	23775.53	501.13	506.00	779	150.30	54.18	4.88	4.87	0.94	
BM054	24086.54	497.81	502.88	779	272.64	153.65	2.76	5.07	0.70	
BM055	24617.74	495.11	499.81	779	199.87	67.70	3.67	4.70	0.72	
BM056	24751.61	494.17	498.95	779	177.12	61.46	4.14	4.78	0.78	
BM057	25041.56	492.12	496.91	779	132.22	40.65	5.55	4.79	0.98	
BM058	27414.63	465.10	469.64	803	181.47	40.00	4.56	4.54	0.69	BM058.A027
BM058.1	27416.63	465.10	469.51	803	176.38	40.00	4.77	4.41	0.74	
CONFL_OS	27731.00	460.55	467.89	917	126.07	41.01	6.38	7.34	1.19	
BM059	27996.88	458.55	463.32	917	145.08	50.15	5.99	4.77	1.10	
BM060	28321.66	455.60	458.80	917	263.32	82.30	3.23	3.20	0.58	BM060.A028
BM060.1	28331.86	455.60	458.53	917	241.03	82.30	3.52	2.93	0.67	
BM061	28722.25	452.50	457.14	917	321.08	69.20	2.67	4.64	0.40	BM061.A029
BM061.1	28732.45	452.50	456.90	917	304.71	69.20	2.81	4.40	0.43	
BM062	29058.66	452.10	455.74	917	227.76	62.60	3.73	3.64	0.62	BM062.A030
BM062.1	29066.46	452.10	455.60	917	219.38	62.60	3.87	3.50	0.66	
BM063	29845.27	447.56	451.68	924	261.70	106.69	3.25	4.12	0.67	

Profili di calcolo del Fiume Bormida di Millesimo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM064	30498.79	443.60	448.29	924	283.70	70.61	3.00	4.69	0.54	BM064.A031
BM064.1	30505.79	443.60	447.23	924	209.36	68.51	4.07	3.63	0.77	
BM065	31410.30	434.23	441.57	932	232.59	66.11	3.95	7.34	0.64	
DM	31870.00	432.11	439.65	932	225.67	37.83	3.79	7.54	0.49	
DV	31880.00	431.78	437.15	932	169.42	37.37	5.04	5.37	0.76	
BM066	32554.72	428.80	432.56	932	270.02	72.00	3.16	3.76	0.53	BM066.A032
BM066.1	32562.72	428.80	432.52	932	267.77	72.00	3.19	3.72	0.53	
TM	33300.00	421.60	431.42	932	981.55	100.00	0.37	9.82	0.11	
TV	33310.00	421.60	426.55	932	495.43	100.00	1.72	4.95	0.45	
BM067	33434.89	420.40	426.00	946	223.77	47.27	3.82	5.60	0.56	
BM068	33523.05	419.86	425.74	946	233.85	51.30	3.67	5.88	0.55	
BM069	33837.65	417.93	424.28	946	205.79	70.77	4.17	6.35	0.80	
BM070	34049.31	418.10	423.25	946	313.18	71.30	2.74	5.15	0.42	BM070.A035
BM070.1	34061.21	418.10	422.63	946	269.16	71.30	3.35	4.53	0.69	
BM071	34167.88	415.91	422.30	946	282.43	106.95	3.43	6.39	0.61	
BM072	34513.99	415.75	420.61	946	242.93	95.63	3.90	4.86	0.71	
CONFL_ZE	34800.00	414.32	419.24	981	282.06	103.18	3.33	4.92	0.64	
BM073	35024.69	413.20	418.73	981	453.70	190.29	2.21	5.53	0.46	
BM074	35549.69	411.64	417.21	986	406.26	188.26	2.58	5.57	0.61	
BM075	35970.69	410.52	415.44	989	350.84	181.35	3.45	4.92	0.72	
BM076	36277.69	408.95	414.06	989	536.80	219.09	2.04	5.11	0.44	
BM077	36886.69	407.37	413.44	997	749.32	173.57	1.49	6.07	0.33	
BM078	37145.69	407.33	413.40	1003	1049.93	213.44	1.08	6.07	0.19	
BM079	37401.69	407.28	412.97	1008	509.28	200.14	3.48	5.69	0.76	BM079.A036
BM079.1	37405.69	407.28	411.98	1008	327.43	162.95	4.21	4.70	0.96	
BM080	37882.69	403.29	408.68	1034	262.37	84.91	4.34	5.39	0.79	
BM081	38172.34	402.96	407.93	1034	395.52	139.44	2.91	4.97	0.55	BM081.A037
BM081.1	38182.34	402.96	407.90	1034	391.22	137.86	2.94	4.94	0.56	
BM082	38412.34	402.90	407.52	1098	547.63	238.21	2.27	4.62	0.75	
BM083	38792.34	402.70	406.51	1098	475.66	151.74	2.78	3.81	0.60	BM083.D011
BM083.1	38802.34	402.70	406.49	1098	861.45	152.66	1.47	3.79	0.24	
BM084	38857.14	398.90	406.45	1098	736.52	206.67	1.62	7.55	0.27	BM084.A038

Profili di calcolo del Fiume Bormida di Millesimo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM084.1	38867.14	398.90	406.43	1098	735.97	205.96	1.61	7.53	0.27	
BM085	38988.14	398.78	405.89	1130	308.34	91.67	3.85	7.11	0.69	
BM086	39320.71	398.10	404.78	1130	388.13	137.86	3.99	6.68	0.74	BM086.A039
BM086.1	39327.71	398.10	404.05	1130	299.07	110.71	4.24	5.95	0.78	
BM087	39688.71	396.42	402.85	1130	422.84	115.29	2.82	6.43	0.60	
BM088	40392.71	394.16	401.52	1162	454.94	95.73	2.64	7.36	0.41	
BM089	40727.71	393.50	400.50	1162	323.93	69.71	3.72	7.00	0.61	
BM090	41382.71	390.93	398.37	1162	351.49	69.24	3.42	7.44	0.48	
BM091	41687.71	390.22	397.17	1162	271.77	55.73	4.42	6.95	0.64	
BM092	42026.19	389.30	396.28	1162	345.07	71.99	3.48	6.98	0.51	BM092.A040
BM092.1	42032.19	389.30	396.26	1162	343.72	71.93	3.49	6.96	0.51	
BM093	42128.19	389.20	396.24	1162	479.08	160.71	2.51	7.04	0.85	

Codice	P.L. monte [m slm]	P.L. valle [m slm]	Sovralzo [m]	Intradosso [m slm]	Estradosso [m slm]	Franco [m]
BM001.A001	700.76	700.72	0.04	700.00	700.70	**-0.76**
BM004.A002	692.79	692.32	0.47	692.90	693.50	**0.11**
BM008.A003	677.35	677.33	0.02	678.40	678.90	1.05
BM012.A004	667.91	667.73	0.18	669.00	669.80	1.09
BM015.A005	654.47	654.40	0.07	654.90	655.90	**0.43**
BM017.A006	649.02	648.82	0.20	647.00	647.90	**-2.02**
BM019.A007	645.09	644.80	0.29	645.70	646.80	**0.61**
BM020.A008	643.76	643.18	0.58	645.50	646.50	1.74
BM021.A009	641.46	641.31	0.15	645.70	647.50	4.24
BM026.A010	624.44	623.73	0.71	627.90	628.90	3.46
BM027.A011	617.30	617.24	0.06	621.40	622.40	4.10
BM029.A012	610.67	610.52	0.15	610.10	611.00	**-0.57**
BM032.A013	599.73	599.71	0.02	605.60	606.60	5.87
BM033.A014	577.13	577.01	0.12	580.70	581.70	3.57
BM034.A015	576.72	575.22	1.50	579.30	581.60	2.58
BM039.A017	560.15	560.11	0.04	562.90	565.10	2.75
BM040.A018	559.36	559.33	0.03	560.60	562.80	1.24
BM041.A019	559.03	558.81	0.22	559.10	559.60	**0.07**
BM043.A020	552.85	551.84	1.01	553.00	554.00	**0.15**
BM046.A021	537.26	536.26	1.00	541.50	543.20	4.24
BM047.A022	535.99	535.64	0.35	545.40	547.20	9.41
BM049.A023	518.50	516.60	1.90	523.60	525.10	5.10
BM050.A024	514.90	512.73	2.17	513.90	514.90	**-1.00**
BM058.A027	469.64	469.51	0.13	473.15	473.40	3.51
BM060.A028	458.80	458.53	0.27	468.60	470.10	9.80
BM061.A029	457.14	456.90	0.24	464.10	465.60	6.96
BM062.A030	455.74	455.60	0.14	462.60	463.60	6.86
BM064.A031	448.29	447.23	1.06	453.10	454.10	4.81
BM066.A032	432.56	432.52	0.04	437.00	438.00	4.44
BM070.A035	423.25	422.63	0.62	426.40	427.00	3.15
BM079.A036	412.97	411.98	0.99	410.60	412.10	**-2.37**
BM081.A037	407.93	407.90	0.03	408.00	409.40	**0.07**

Codice	P.L. monte [m slm]	P.L. valle [m slm]	Sovralzo [m]	Intradosso [m slm]	Estradosso [m slm]	Franco [m]
BM084.A038	406.45	406.43	0.02	404.80	405.60	**-1.65**
BM086.A039	404.78	404.05	0.73	404.60	405.30	**-0.18**
BM092.A040	396.28	396.26	0.02	395.90	397.40	**-0.38**

Profili di calcolo del Fiume Bormida di Millesimo T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM000	0.00	698.01	701.00	176	41.22	13.80	4.28	2.99	0.79	
BM001	1.00	698.01	700.99	176	41.14	13.80	4.29	2.98	0.79	BM001.A001
BM001.1	4.80	698.01	700.94	193	40.56	13.80	4.35	2.93	0.81	
BM002	290.71	695.58	697.97	193	82.24	98.80	2.15	2.39	0.81	
BM003	717.81	690.66	694.18	193	116.59	100.93	2.62	3.52	0.76	
BM004	905.66	689.40	693.21	193	53.41	14.00	3.61	3.81	0.60	BM004.A002
BM004.1	909.96	689.40	692.59	193	44.70	14.00	4.32	3.19	0.77	
BM005	1082.67	687.18	690.56	210	101.13	136.36	2.79	3.38	0.86	
BM006	1736.68	681.79	683.76	210	127.49	180.58	1.64	1.97	0.71	
BM007	2288.18	676.19	679.58	227	91.98	84.76	2.60	3.39	0.82	
BM008	2501.17	674.20	677.55	227	73.03	25.50	3.08	3.35	0.63	BM008.A003
BM008.1	2504.97	674.20	677.52	227	72.41	25.50	3.11	3.32	0.59	
BM009	2715.25	672.80	676.33	227	90.89	72.56	2.49	3.53	0.77	
BM010	3497.47	666.37	670.49	227	96.08	74.01	2.56	4.12	0.66	
BM011	3793.60	664.75	668.64	227	98.63	72.37	2.89	3.89	0.83	
BM012	3890.41	664.70	668.22	227	95.36	27.10	2.34	3.52	0.40	BM012.A004
BM012.1	3895.51	664.70	667.96	227	88.35	27.10	2.53	3.26	0.45	
BM013	4366.40	663.06	665.92	227	80.88	69.25	2.76	2.86	0.81	
BM014	5132.22	654.94	657.94	253	88.21	69.95	2.78	3.00	0.86	
BM015	5472.97	651.40	654.75	253	76.61	26.30	3.20	3.35	0.66	BM015.A005
BM015.1	5475.97	651.40	654.67	253	74.29	26.30	3.30	3.27	0.71	
BM016	5951.38	647.75	651.75	278	101.63	65.44	2.42	4.00	0.62	
BM017	6452.64	647.10	649.27	346	106.01	24.80	3.08	2.17	0.52	BM017.A006
BM017.1	6456.94	647.10	649.02	346	99.70	24.80	3.28	1.92	0.53	
BM018	6653.40	644.00	648.17	346	134.61	110.10	3.32	4.17	1.10	
BM019	7014.90	642.90	645.31	346	108.12	44.80	3.02	2.41	0.62	BM019.A007
BM019.1	7019.40	642.90	645.02	346	94.83	44.80	3.45	2.12	0.76	
BM020	7179.33	641.50	644.00	346	114.94	46.00	2.84	2.50	0.57	BM020.A008

Profili di calcolo del Fiume Bormida di Millesimo T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM020.1	7187.43	641.50	643.36	346	85.69	46.00	3.81	1.86	0.89	
BM021	7344.36	639.10	641.67	346	127.06	49.50	2.60	2.57	0.52	BM021.A009
BM021.1	7357.46	639.10	641.51	346	119.11	49.50	2.82	2.41	0.75	
BM022	7475.47	636.79	641.11	480	203.54	139.38	2.58	4.32	0.66	
CONFL_FS	7554.00	636.27	640.69	599	221.46	154.88	2.41	4.42	1.18	
BM023	7956.88	633.61	638.18	599	331.87	240.49	1.86	4.57	0.49	
BM024	8474.71	633.67	636.54	599	163.10	150.07	3.86	2.87	1.18	
BM025	8811.65	626.47	630.58	607	211.39	148.68	2.93	4.11	0.89	
BM026	9539.81	620.30	624.96	607	146.74	31.50	3.91	4.66	0.59	BM026.A010
BM026.1	9544.61	620.30	624.13	607	120.58	31.50	4.76	3.83	0.78	
BM027	10347.54	613.40	617.82	607	194.49	44.00	2.95	4.42	0.55	BM027.A011
BM027.1	10352.74	613.40	617.75	607	191.51	44.00	3.00	4.35	0.59	
BM028	10840.46	609.31	615.62	614	194.45	149.08	3.29	6.31	0.84	
BM029	11360.19	607.10	611.08	614	137.86	34.60	4.17	3.98	0.73	BM029.A012
BM029.1	11364.49	607.10	610.88	614	130.96	34.60	4.39	3.78	0.79	
BM30	11688.64	603.47	609.32	614	201.48	51.83	2.87	5.85	0.47	
CONFL_VE	11926.00	602.49	608.52	706	193.34	66.03	3.25	6.03	0.75	
BM31	12041.01	602.02	607.79	713	167.43	58.65	3.90	5.77	0.74	
BM032	13172.38	597.60	599.96	713	99.08	42.40	6.65	2.36	1.40	BM032.A013
BM032.1	13175.58	597.60	599.94	713	99.08	42.40	6.65	2.34	1.40	
CONFL_SI	13400.00	588.94	594.05	806	182.17	75.70	3.83	5.11	0.81	
BM033	15365.30	572.60	577.47	834	240.54	49.40	3.36	4.87	0.49	BM033.A014
BM033.1	15371.10	572.60	577.32	834	233.08	49.40	3.47	4.72	0.51	
BM034	15491.41	572.20	577.04	834	290.27	82.30	2.78	4.84	0.47	BM034.A015
BM034.1	15499.51	572.20	575.49	834	162.60	82.30	5.39	3.29	1.45	
BM035	15681.58	566.98	571.88	862	214.25	94.67	3.86	4.90	0.80	
BM036	16356.65	559.93	566.45	862	299.90	179.95	2.85	6.52	0.75	
BM037	16487.37	559.45	565.58	862	259.66	117.94	3.19	6.13	0.71	

Profili di calcolo del Fiume Bormida di Millesimo T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM038	17006.00	557.54	562.41	862	178.67	58.96	4.63	4.87	0.89	
BM039	17281.40	555.70	560.79	862	573.05	113.40	1.45	5.09	0.43	BM039.A017
BM039.1	17289.00	555.70	560.75	862	572.66	113.40	1.45	5.05	0.49	
BM040	17589.72	553.40	560.01	862	242.72	51.80	3.42	6.61	0.56	BM040.A018
BM040.1	17597.32	553.40	559.99	862	241.41	51.80	3.44	6.59	0.56	
BM041	17628.82	553.30	559.64	862	180.74	28.50	4.57	6.34	0.58	BM041.A019
BM041.1	17633.02	553.30	559.26	862	169.96	28.50	4.86	5.96	0.64	
BM042	18053.01	551.32	556.82	862	261.99	161.84	3.68	5.50	0.81	
BM043	18483.91	548.60	553.23	862	265.26	65.00	3.11	4.63	0.59	BM043.A020
BM043.1	18488.51	548.60	552.13	862	194.09	65.00	4.25	3.53	1.03	
BM044	19617.71	537.92	544.28	877	163.11	36.34	5.12	6.36	0.77	
BM045	20106.53	535.39	541.09	877	158.85	58.04	5.25	5.70	1.02	
BM046	20381.43	533.20	537.66	877	256.50	69.30	3.25	4.46	0.70	BM046.A021
BM046.1	20387.23	533.20	536.56	877	180.03	69.30	4.63	3.36	1.08	
BM047	20411.35	532.80	536.33	877	210.11	59.60	3.97	3.53	0.68	BM047.A022
BM047.1	20418.95	532.80	535.95	877	187.49	59.60	4.45	3.15	0.80	
BM048	21747.17	520.74	525.49	877	175.88	65.64	4.74	4.75	0.96	
BM049	22368.49	512.60	519.17	877	262.91	40.00	3.17	6.57	0.40	BM049.A023
BM049.1	22371.59	512.60	517.06	877	178.37	40.00	4.68	4.46	0.72	
BM050	22785.27	509.00	515.38	919	313.81	49.20	2.74	6.38	0.35	BM050.A024
BM050.1	22789.27	509.00	513.08	919	200.93	49.20	4.28	4.08	0.68	
BM051	23170.10	506.10	510.83	919	212.09	75.60	4.06	4.73	0.78	
BM052	23628.25	502.70	507.53	919	207.25	71.33	4.15	4.83	0.78	
BM053	23775.53	501.13	506.44	919	173.59	63.72	4.96	5.31	0.96	
BM054	24086.54	497.81	503.09	919	306.16	154.04	2.81	5.28	0.71	
BM055	24617.74	495.11	500.20	919	226.64	71.03	3.79	5.09	0.72	
BM056	24751.61	494.17	499.38	919	204.09	65.48	4.22	5.21	0.78	
BM057	25041.56	492.12	497.46	919	157.15	51.08	5.58	5.34	1.00	

Profili di calcolo del Fiume Bormida di Millesimo T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM058	27414.63	465.10	470.26	947	206.42	40.00	4.79	5.16	0.69	BM058.A027
BM058.1	27416.63	465.10	470.11	947	200.28	40.00	4.99	5.01	0.73	
CONFL_OS	27731.00	460.55	468.58	1082	158.74	58.22	6.52	8.03	1.19	
BM059	27996.88	458.55	463.96	1082	184.16	75.22	5.99	5.41	1.11	
BM060	28321.66	455.60	459.17	1082	293.52	82.30	3.41	3.57	0.58	BM060.A028
BM060.1	28331.86	455.60	458.88	1082	269.62	82.30	3.71	3.28	0.67	
BM061	28722.25	452.50	457.58	1082	351.73	69.20	2.81	5.08	0.40	BM061.A029
BM061.1	28732.45	452.50	457.33	1082	333.95	69.20	2.96	4.83	0.44	
BM062	29058.66	452.10	456.11	1082	250.87	62.60	3.99	4.01	0.64	BM062.A030
BM062.1	29066.46	452.10	455.96	1082	241.51	62.60	4.14	3.86	0.67	
BM063	29845.27	447.56	451.98	1091	294.06	107.29	3.40	4.42	0.67	
BM064	30498.79	443.60	448.80	1091	319.29	71.59	3.14	5.20	0.54	BM064.A031
BM064.1	30505.79	443.60	447.57	1091	233.28	69.20	4.29	3.97	0.77	
BM065	31410.30	434.23	442.03	1100	263.52	67.03	3.95	7.80	0.65	
DM	31870.00	432.11	440.16	1100	245.07	37.99	4.09	8.05	0.51	
DV	31880.00	431.78	437.64	1100	187.64	37.52	5.35	5.86	0.76	
BM066	32554.72	428.80	433.01	1100	302.52	72.00	3.32	4.21	0.52	BM066.A032
BM066.1	32562.72	428.80	432.98	1100	300.38	72.00	3.34	4.18	0.53	
TM	33300.00	421.60	431.97	1100	1037.29	100.00	0.40	10.37	0.40	
TV	33310.00	421.60	427.02	1100	541.95	100.00	1.85	5.42	0.44	
BM067	33434.89	420.40	426.42	1117	243.89	48.00	4.12	6.02	0.58	
BM068	33523.05	419.86	426.14	1117	254.38	52.67	3.96	6.28	0.57	
BM069	33837.65	417.93	424.66	1117	232.79	73.35	4.32	6.73	0.80	
BM070	34049.31	418.10	423.69	1117	344.38	71.30	2.92	5.59	0.42	BM070.A035
BM070.1	34061.21	418.10	422.92	1117	289.68	71.30	3.47	4.82	0.69	
BM071	34167.88	415.91	422.61	1117	315.12	107.39	3.43	6.70	0.63	
BM072	34513.99	415.75	420.91	1117	272.52	100.55	3.94	5.16	0.75	
CONFL_ZE	34800.00	414.32	419.51	1138	312.11	116.66	3.52	5.19	0.68	

Profili di calcolo del Fiume Bormida di Millesimo T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BM073	35024.69	413.20	418.99	1138	504.72	195.26	2.31	5.79	0.46	
BM074	35549.69	411.64	417.48	1149	459.66	204.42	2.57	5.84	0.61	
BM075	35970.69	410.52	415.69	1154	396.69	192.76	3.45	5.17	0.72	
BM076	36277.69	408.95	414.45	1154	626.43	238.15	2.03	5.50	0.44	
BM077	36886.69	407.37	413.85	1170	819.49	174.24	1.52	6.48	0.33	
BM078	37145.69	407.33	413.80	1180	1135.93	214.04	1.12	6.47	0.19	
BM079	37401.69	407.28	413.37	1191	590.88	211.51	7.06	6.09	1.64	BM079.A036
BM079.1	37405.69	407.28	412.31	1191	384.84	178.65	7.38	5.03	1.72	
BM080	37882.69	403.29	409.06	1223	300.10	111.73	4.48	5.77	0.87	
BM081	38172.34	402.96	408.24	1223	441.46	156.19	3.08	5.28	0.58	BM081.A037
BM081.1	38182.34	402.96	408.21	1223	438.01	154.61	3.11	5.25	0.59	
BM082	38412.34	402.90	407.84	1290	624.90	246.56	2.28	4.94	0.75	
BM083	38792.34	402.70	407.01	1290	554.88	156.12	2.80	4.31	0.60	BM083.D011
BM083.1	38802.34	402.70	407.02	1290	938.82	157.29	1.51	4.32	0.24	
BM084	38857.14	398.90	406.96	1290	849.10	235.36	1.65	8.06	0.29	BM084.A038
BM084.1	38867.14	398.90	406.94	1290	848.14	235.33	1.65	8.04	0.29	
BM085	38988.14	398.78	406.38	1323	353.56	92.55	3.94	7.60	0.69	
BM086	39320.71	398.10	405.51	1323	500.14	172.18	3.67	7.41	0.68	BM086.A039
BM086.1	39327.71	398.10	404.48	1323	350.26	129.23	4.05	6.38	0.79	
BM087	39688.71	396.42	403.34	1323	479.65	115.91	2.93	6.92	0.60	
BM088	40392.71	394.16	402.09	1356	509.29	96.07	2.77	7.93	0.41	
BM089	40727.71	393.50	401.06	1356	363.45	72.22	3.89	7.56	0.61	
BM090	41382.71	390.93	398.91	1356	388.81	70.29	3.63	7.98	0.49	
BM091	41687.71	390.22	397.66	1356	299.94	68.56	4.71	7.44	0.72	
BM092	42026.19	389.30	396.72	1356	376.54	73.43	3.75	7.42	0.53	BM092.A040
BM092.1	42032.19	389.30	396.70	1356	375.04	73.36	3.77	7.40	0.53	
BM093	42128.19	389.20	396.72	1356	560.31	176.68	2.52	7.52	0.85	

Attraversamenti Fiume Bormida di Millesimo T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BM001.A001	700.99	700.94	0.05	700.00	700.70	**-0.99**
BM004.A002	693.21	692.59	0.62	692.90	693.50	**-0.31**
BM008.A003	677.55	677.52	0.03	678.40	678.90	**0.85**
BM012.A004	668.22	667.96	0.26	669.00	669.80	**0.78**
BM015.A005	654.75	654.67	0.08	654.90	655.90	**0.15**
BM017.A006	649.27	649.02	0.25	647.00	647.90	**-2.27**
BM019.A007	645.31	645.02	0.29	645.70	646.80	**0.39**
BM020.A008	644.00	643.36	0.64	645.50	646.50	1.50
BM021.A009	641.67	641.51	0.16	645.70	647.50	4.03
BM026.A010	624.96	624.13	0.83	627.90	628.90	2.94
BM027.A011	617.82	617.75	0.07	621.40	622.40	3.58
BM029.A012	611.08	610.88	0.20	610.10	611.00	**-0.98**
BM032.A013	599.96	599.94	0.02	605.60	606.60	5.64
BM033.A014	577.47	577.32	0.15	580.70	581.70	3.23
BM034.A015	577.04	575.49	1.55	579.30	581.60	2.26
BM039.A017	560.79	560.75	0.04	562.90	565.10	2.11
BM040.A018	560.01	559.99	0.02	560.60	562.80	**0.59**
BM041.A019	559.64	559.26	0.38	559.10	559.60	**-0.54**
BM043.A020	553.23	552.13	1.10	553.00	554.00	**-0.23**
BM046.A021	537.66	536.56	1.10	541.50	543.20	3.84
BM047.A022	536.33	535.95	0.38	545.40	547.20	9.07
BM049.A023	519.17	517.06	2.11	523.60	525.10	4.43
BM050.A024	515.38	513.08	2.30	513.90	514.90	**-1.48**
BM058.A027	470.26	470.11	0.15	473.15	473.40	2.89
BM060.A028	459.17	458.88	0.29	468.60	470.10	9.43
BM061.A029	457.58	457.33	0.25	464.10	465.60	6.52
BM062.A030	456.11	455.96	0.15	462.60	463.60	6.49
BM064.A031	448.80	447.57	1.23	453.10	454.10	4.30

Attraversamenti Fiume Bormida di Millesimo T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BM066.A032	433.01	432.98	0.03	437.00	438.00	3.99
BM070.A035	423.69	422.92	0.77	426.40	427.00	2.71
BM079.A036	413.37	412.31	1.06	410.60	412.10	**-2.77**
BM081.A037	408.24	408.21	0.03	408.00	409.40	**-0.24**
BM084.A038	406.96	406.94	0.02	404.80	405.60	**-2.16**
BM086.A039	405.51	404.48	1.03	404.60	405.30	**-0.91**
BM092.A040	396.72	396.70	0.02	395.90	397.40	**-0.82**

Profili di calcolo del Torrente Frassino T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FS001	0.00	719.63	721.37	86	21.16	20.53	4.08	1.74	1.28	
FS002	493.20	704.50	707.31	86	18.16	16.45	5.18	2.81	1.64	
FS003	1069.13	680.90	683.21	86	29.35	12.70	2.93	2.31	0.64	
FS004	1936.27	674.90	677.46	86	49.38	19.30	2.06	2.56	0.42	FS004.A001
FS004.1	1946.27	674.90	677.43	86	48.64	19.30	2.06	2.53	0.48	
FS005	2088.13	674.00	676.99	86	37.93	12.70	2.27	2.99	0.42	FS005.A002
FS005.1	2091.93	674.00	675.59	86	20.17	12.70	4.28	1.59	1.66	
FS006	2472.45	664.42	667.55	86	35.61	16.48	2.42	3.13	0.52	
FS007	2672.35	664.40	667.08	86	50.13	12.00	1.71	2.68	0.27	FS007.A003
FS007.1	2676.15	664.40	664.54	86	19.65	12.00	4.36	0.14	1.25	
FS008	2857.10	658.72	660.60	86	29.94	33.54	2.86	1.88	0.97	
FS009	3154.27	654.31	655.79	86	20.83	15.13	4.11	1.48	1.12	
FS010	3668.07	643.00	645.41	86	26.22	11.98	3.29	2.41	0.70	FS010.A005
FS010.1	3672.27	643.00	645.15	86	23.19	10.80	3.69	2.15	0.80	
FS011	3973.18	639.80	641.48	86	34.66	20.60	2.47	1.68	0.61	FS011.A006
FS011.1	3979.68	639.80	641.20	86	28.85	20.60	2.97	1.40	0.80	
FS012	4101.50	636.30	640.19	86	80.13	20.60	1.07	3.89	0.17	

Attraversamenti Torrente Frassino T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FS004.A001	677.46	677.43	0.03	679.80	681.10	2.34
FS005.A002	676.99	675.59	1.40	678.00	679.30	1.01
FS007.A003	667.08	664.54	2.54	666.30	666.70	**-0.78**
FS010.A005	645.41	645.15	0.26	664.60	647.50	**-0.81**
FS011.A006	641.48	641.20	0.28	642.30	643.20	**0.82**

Profili di calcolo del Torrente Frassino T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FS001	0.00	719.63	721.64	115	25.92	23.17	4.44	2.01	1.34	
FS002	493.20	704.50	707.56	115	22.99	19.36	5.18	3.06	1.64	
FS003	1069.13	680.90	683.73	115	35.89	12.70	3.20	2.83	0.64	
FS004	1936.27	674.90	678.10	115	61.80	19.30	2.28	3.20	0.43	FS004.A001
FS004.1	1946.27	674.90	678.08	115	61.24	19.30	2.28	3.18	0.48	
FS005	2088.13	674.00	677.63	115	46.04	12.70	2.49	3.63	0.42	FS005.A002
FS005.1	2091.93	674.00	675.93	115	24.57	12.70	4.68	1.93	1.63	
FS006	2472.45	664.42	668.10	115	45.94	20.96	2.49	3.68	0.55	
FS007	2672.35	664.40	667.56	115	55.94	12.00	2.04	3.16	0.30	FS007.A003
FS007.1	2676.15	664.40	664.86	115	23.51	12.00	4.86	0.46	1.19	
FS008	2857.10	658.72	660.79	115	36.41	34.90	3.14	2.07	0.98	
FS009	3154.27	654.31	656.11	115	26.51	18.70	4.45	1.80	1.15	
FS010	3668.07	643.00	645.94	115	35.78	18.40	3.29	2.94	0.79	FS010.A005
FS010.1	3672.27	643.00	645.57	115	29.02	17.15	3.93	2.57	0.96	
FS011	3973.18	639.80	641.79	115	41.07	20.60	2.78	1.99	0.63	FS011.A006
FS011.1	3979.68	639.80	641.42	115	33.40	20.60	3.41	1.62	0.86	
FS012	4101.50	636.30	640.19	115	80.13	20.60	1.42	3.89	0.23	

Attraversamenti Torrente Frassino T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FS004.A001	678.10	678.08	0.02	679.80	681.10	1.70
FS005.A002	677.63	675.93	1.70	678.00	679.30	**0.37**
FS007.A003	667.56	664.86	2.70	666.30	666.70	**-1.26**
FS010.A005	645.94	645.57	0.37	664.60	647.50	**-1.34**
FS011.A006	641.79	641.42	0.37	642.30	643.20	**0.51**

Profili di calcolo del Torrente Frassino T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FS001	0.00	719.63	721.75	135	29.28	24.13	4.62	2.12	1.35	
FS002	493.20	704.50	707.73	135	26.19	21.29	5.19	3.23	1.64	
FS003	1069.13	680.90	684.08	135	40.33	12.70	3.35	3.18	0.65	
FS004	1936.27	674.90	678.56	135	70.64	19.30	2.36	3.66	0.44	FS004.A001
FS004.1	1946.27	674.90	678.50	135	69.54	19.30	2.34	3.60	0.49	
FS005	2088.13	674.00	678.06	135	51.51	12.70	2.60	4.06	0.42	FS005.A002
FS005.1	2091.93	674.00	676.15	135	27.35	12.70	4.90	2.15	1.55	
FS006	2472.45	664.42	668.39	135	52.04	21.14	2.58	3.97	0.55	
FS007	2672.35	664.40	667.87	135	59.62	12.00	2.25	3.47	0.32	FS007.A003
FS007.1	2676.15	664.40	665.07	135	26.00	12.00	5.15	0.67	1.17	
FS008	2857.10	658.72	660.93	135	41.25	36.08	3.25	2.21	0.99	
FS009	3154.27	654.31	656.48	135	36.12	33.54	4.46	2.17	1.18	
FS010	3668.07	643.00	646.14	135	39.47	18.40	3.37	3.14	0.79	FS010.A005
FS010.1	3672.27	643.00	645.81	135	33.38	18.40	3.99	2.81	0.99	
FS011	3973.18	639.80	641.99	135	45.10	20.60	2.95	2.19	0.71	FS011.A006
FS011.1	3979.68	639.80	641.62	135	37.46	20.60	3.56	1.82	0.84	
FS012	4101.50	636.30	640.51	135	86.73	20.60	1.54	4.21	0.24	

Attraversamenti Torrente Frassino T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FS004.A001	678.56	678.50	0.06	679.80	681.10	1.24
FS005.A002	678.06	676.15	1.91	678.00	679.30	**-0.06**
FS007.A003	667.87	665.07	2.80	666.30	666.70	**-1.57**
FS010.A005	646.14	645.81	0.33	664.60	647.50	**-1.54**
FS011.A006	641.99	641.62	0.37	642.30	643.20	**0.31**

Profili di calcolo del Rio Valle T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VL001	0.00	668.63	670.52	66	11.73	7.39	5.69	1.89	1.43	
VL002	423.59	650.98	653.02	66	20.64	12.65	3.21	2.04	0.81	
VL003	570.15	649.30	651.45	66	19.11	8.90	3.46	2.15	0.76	
VL004	676.62	648.00	650.23	66	19.80	8.90	3.34	2.23	0.72	
VL005	822.74	646.50	648.68	66	19.39	8.90	3.41	2.18	0.77	
VL006	1062.49	643.60	646.01	66	21.46	8.90	3.08	2.41	0.66	VL006.A001
VL006.1	1069.49	643.60	645.51	66	16.96	8.90	3.90	1.91	0.92	
VL007	1274.17	640.00	642.12	66	22.00	10.40	3.01	2.12	0.74	VL007.A002
VL007.1	1287.27	640.00	641.69	66	17.58	10.40	3.76	1.69	0.92	
VL008	1354.00	636.79	640.60	66	39.62	10.40	1.67	3.81	0.27	

Attraversamenti Rio Valle T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VL006.A001	646.01	645.51	0.50	646.30	647.30	**0.29**
VL007.A002	642.12	641.69	0.43	646.30	648.10	4.18

Profili di calcolo del Rio Valle T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VL001	0.00	668.63	671.06	87	16.14	11.20	5.71	2.43	1.46	
VL002	423.59	650.98	653.44	87	26.29	14.82	3.32	2.46	0.81	
VL003	570.15	649.30	651.92	87	23.31	8.90	3.74	2.62	0.76	
VL004	676.62	648.00	650.72	87	24.17	8.90	3.61	2.72	0.72	
VL005	822.74	646.50	649.20	87	23.99	8.90	3.64	2.70	0.77	
VL006	1062.49	643.60	646.69	87	27.47	8.90	3.17	3.09	0.66	VL006.A001
VL006.1	1069.49	643.60	645.90	87	20.47	8.90	4.26	2.30	0.93	
VL007	1274.17	640.00	642.49	87	25.98	10.40	3.33	2.49	0.76	VL007.A002
VL007.1	1287.27	640.00	641.91	87	19.73	10.40	4.30	1.91	1.00	
VL008	1354.00	636.79	640.60	87	39.62	10.40	2.19	3.81	0.36	

Attraversamenti Rio Valle T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VL006.A001	646.69	645.90	0.79	646.30	647.30	**-0.39**
VL007.A002	642.49	641.91	0.58	646.30	648.10	3.81

Profili di calcolo del Rio Valle T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VL001	0.00	668.63	671.24	102	18.70	12.81	5.69	2.61	1.45	
VL002	423.59	650.98	653.70	102	30.27	15.68	3.38	2.72	0.81	
VL003	570.15	649.30	652.25	102	26.22	8.90	3.90	2.95	0.76	
VL004	676.62	648.00	651.06	102	27.27	8.90	3.75	3.06	0.72	
VL005	822.74	646.50	649.59	102	27.54	8.90	3.72	3.09	0.77	
VL006	1062.49	643.60	647.28	102	32.79	8.90	3.18	3.68	0.66	VL006.A001
VL006.1	1069.49	643.60	646.16	102	22.82	8.90	4.47	2.56	0.91	
VL007	1274.17	640.00	642.75	102	28.61	10.40	3.53	2.75	0.69	VL007.A002
VL007.1	1287.27	640.00	642.12	102	21.92	10.40	4.54	2.12	1.00	
VL008	1354.00	636.79	640.92	102	42.95	10.40	2.37	4.13	0.37	

Attraversamenti Rio Valle T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VL006.A001	647.28	646.16	1.12	646.30	647.30	**-0.98**
VL007.A002	642.75	642.12	0.63	646.30	648.10	3.55

Profili di calcolo del Rio Siondo T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
SI000	0.00	597.30	598.54	70	14.29	11.50	4.90	1.24	1.40	
SI001	1.00	597.30	598.50	70	13.85	11.50	5.05	1.20	1.47	SI001.A001
SI001.1	7.30	597.30	598.23	70	10.66	11.50	6.57	0.93	2.18	
SI002	87.70	588.94	593.25	70	49.56	11.50	1.41	4.31	0.22	

Attraversamenti Rio Siondo T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
SI001.A001	598.50	598.23	0.27	600.90	602.20	2.40

Profili di calcolo del Rio Siondo T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
SI000	0.00	597.30	598.83	100	17.62	11.50	5.68	1.53	1.46	
SI001	1.00	597.30	598.79	100	17.15	11.50	5.83	1.49	1.52	SI001.A001
SI001.1	7.30	597.30	598.50	100	13.82	11.50	7.24	1.20	2.11	
SI002	87.70	588.94	593.76	100	55.43	11.50	1.80	4.82	0.26	

Attraversamenti Rio Siondo T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
SI001.A001	598.79	598.50	0.29	600.90	602.20	2.11

Profili di calcolo del Rio Siondo T=500 anni										
1. ID SEZIONE	Progressiva [m]	Quota fondo [m slm]	P.L. [m slm]	Q [m^3/s]	□□[m^2]	b [m]	v [m/s]	y [m]	Fr	NOTE
SI000	0.00	597.30	598.96	115	19.07	11.50	6.03	1.66	1.50	
SI001	1.00	597.30	598.92	115	18.58	11.50	6.19	1.62	1.55	SI001.A001
SI001.1	7.30	597.30	598.62	115	15.14	11.50	7.59	1.32	2.11	
SI002	87.70	588.94	593.76	115	55.43	11.50	2.07	4.82	0.30	

Attraversamenti Rio Siondo T=500 anni						
Codice	P.L. monte [m slm]	P.L. valle [m slm]	Sovralzo [m]	Intradosso [m slm]	Estradosso [m slm]	Franco [m]
SI001.A001	598.92	598.62	0.30	600.90	602.20	1.98

Profili di calcolo del Rio Giacchetti T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GI001	0.00	422.50	424.75	26	9.00	4.00	2.94	2.25	0.84	
GI002	281.65	417.00	419.15	26	12.44	5.80	2.12	2.14	1.49	
GI003	733.95	412.30	415.53	26	27.16	8.40	0.97	3.23	0.23	GI003.A002
GI004	1004.15	408.70	410.28	35	16.21	10.25	1.87	1.58	0.48	
GI005	1304.15	403.29	407.66	35	89.59	20.50	0.39	4.37	0.06	

Attraversamenti Rio Giacchetti T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GI003.A002	415.53	410.28	--	416.00	417.70	**0.47**

Profili di calcolo del Rio Giacchetti T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GI001	0.00	422.50	425.25	37	10.98	4.00	3.35	2.75	0.84	
GI002	281.65	417.00	419.58	37	14.95	5.80	2.45	2.58	1.49	
GI003	733.95	412.30	416.35	37	34.05	8.40	1.08	4.05	0.23	GI003.A002
GI004	1004.15	408.70	410.81	48	21.67	10.25	1.95	2.11	0.43	
GI005	1304.15	403.29	408.68	48	110.50	20.50	0.44	5.39	0.06	

Attraversamenti Rio Giacchetti T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GI003.A002	416.35	410.81	--	416.00	417.70	**-0.45**

Profili di calcolo del Rio Giacchetti T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GI001	0.00	422.50	425.48	44	11.92	4.00	3.70	2.98	0.84	
GI002	281.65	417.00	419.94	44	17.06	5.80	2.62	2.94	1.49	
GI003	733.95	412.30	417.25	44	41.61	8.40	1.12	4.95	0.23	GI003.A002
GI004	1004.15	408.70	411.03	58	23.87	10.25	2.13	2.33	0.45	
GI005	1304.15	403.29	408.68	58	110.50	20.50	0.53	5.39	0.07	

Attraversamenti Rio Giacchetti T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GI003.A002	417.25	411.03	--	416.00	417.70	**-1.24**

Profili di calcolo del Rio Rocchetta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
RO001	0.00	432.10	432.77	17	5.67	8.50	3.00	0.67	1.17	
RO002	230.70	421.00	421.95	17	8.66	9.10	1.83	0.95	0.60	RO002.A001
RO002.1	239.20	421.00	421.70	17	5.92	8.50	2.68	0.70	1.03	
RO003	379.35	414.20	415.99	17	10.28	5.75	1.65	1.79	0.40	RO003.A002
RO004	659.35	408.70	410.28	17	16.20	10.25	1.05	1.58	0.27	

Attraversamenti Rio Rocchetta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
RO002.A001	421.95	421.70	0.25	424.70	425.90	2.75
RO003.A002	415.99	410.28	--	417.50	418.00	1.51

Profili di calcolo del Rio Rocchetta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
RO001	0.00	432.10	432.89	22	6.69	8.50	3.29	0.79	1.18	
RO002	230.70	421.00	422.12	22	10.19	9.10	2.01	1.12	0.61	RO002.A001
RO002.1	239.20	421.00	421.83	22	7.06	8.50	2.91	0.83	1.02	
RO003	379.35	414.20	416.32	22	12.20	5.75	1.80	2.12	0.40	RO003.A002
RO004	659.35	408.70	410.82	22	21.73	10.25	1.01	2.12	0.22	

Attraversamenti Rio Rocchetta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
RO002.A001	422.12	421.83	0.29	424.70	425.90	2.58
RO003.A002	416.32	410.82	--	417.50	418.00	1.18

Profili di calcolo del Rio Rocchetta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
RO001	0.00	432.10	433.02	28	7.83	8.50	3.58	0.92	1.19	
RO002	230.70	421.00	422.31	28	11.96	9.10	2.18	1.31	0.61	RO002.A001
RO002.1	239.20	421.00	421.99	28	8.35	8.50	3.13	0.99	1.01	
RO003	379.35	414.20	416.69	28	14.32	5.75	1.95	2.49	0.40	RO003.A002
RO004	659.35	408.70	410.82	28	21.73	10.25	1.29	2.12	0.28	

Attraversamenti Rio Rocchetta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
RO002.A001	422.31	421.99	0.33	424.70	425.90	2.39
RO003.A002	416.69	410.82	--	417.50	418.00	**0.81**

Profili di calcolo del Rio Vetria T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VE001	0.00	615.63	617.85	84	26.12	18.86	3.49	2.22	0.97	
VE002	451.65	606.70	609.79	84	24.71	8.00	3.40	3.09	0.65	VE002.A001
VE002.1	459.65	606.70	609.28	84	20.63	8.00	4.07	2.58	0.81	
VE003	696.65	602.49	607.54	84	67.67	13.40	1.24	5.05	0.18	

Attraversamenti Rio Vetria T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VE002.A001	609.79	609.28	0.51	611.80	612.20	2.01

Profili di calcolo del Rio Vetria T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VE001	0.00	615.63	618.29	120	35.05	21.52	3.75	2.65	0.96	
VE002	451.65	606.70	610.88	120	33.42	8.00	3.59	4.18	0.59	VE002.A001
VE002.1	459.65	606.70	609.89	120	25.49	8.00	4.71	3.19	0.84	
VE003	696.65	602.49	608.18	120	76.25	13.40	1.57	5.69	0.21	

Attraversamenti Rio Vetria T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VE002.A001	610.88	609.89	0.99	611.80	612.20	**0.92**

Profili di calcolo del Rio Vetria T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VE001	0.00	615.63	618.50	138	39.45	22.84	3.87	2.87	0.97	
VE002	451.65	606.70	611.45	138	38.02	8.00	3.63	4.75	0.61	VE002.A001
VE002.1	459.65	606.70	610.13	138	27.45	8.00	5.03	3.43	0.87	
VE003	696.65	602.49	608.18	138	76.25	13.40	1.81	5.69	0.24	

Attraversamenti Rio Vetria T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VE002.A001	611.45	610.13	1.32	611.80	612.20	**0.35**

Profili di calcolo del Torrente Zemola T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ZE001	0.00	470.90	474.72	105	113.525	29.70	0.93	3.82	0.15	
ZE002	149.18	470.30	473.92	105	27.126	7.50	3.87	3.62	0.65	ZE002.A002
ZE002.1	152.48	470.30	472.86	105	19.23	7.50	4.46	2.56	1.09	
ZE003	364.45	465.47	467.51	105	27.492	14.97	3.82	2.04	0.90	
ZE004	1618.20	436.90	439.45	105	42.627	16.70	2.46	2.55	0.49	ZE004.A004
ZE004.1	1623.40	436.90	438.85	105	32.473	16.70	3.24	1.95	0.74	
ZE005	1933.95	431.60	434.44	105	34.001	12.00	3.22	2.83	0.62	ZE005.A005
ZE005.1	1942.25	431.60	434.21	105	30.027	11.50	3.62	2.61	0.72	
ZE006	2638.50	422.30	424.40	105	37.772	18.00	3.13	2.10	0.69	ZE006.A006
ZE006.1	2644.00	422.30	424.32	105	36.381	18.00	3.29	2.02	0.75	
ZE007	3143.60	415.50	418.96	105	49.813	14.40	2.11	3.46	0.36	ZE007.A007
ZE007.1	3148.40	415.50	418.75	105	46.782	14.40	2.25	3.25	0.40	
ZE008	3226.00	414.32	418.58	105	61.344	14.40	1.72	4.26	0.27	

Attraversamenti Torrente Zemola T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ZE002.A002	473.92	472.86	1.05	476.20	476.70	2.28
ZE004.A004	439.45	438.85	0.61	443.60	444.60	4.15
ZE005.A005	434.44	434.21	0.22	441.60	442.10	7.17
ZE006.A006	424.40	424.32	0.08	426.00	426.80	1.60
ZE007.A007	418.96	418.75	0.21	419.50	420.30	**0.54**

Profili di calcolo del Torrente Zemola T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ZE001	0.00	470.90	475.45	140	135.095	29.70	1.10	4.55	0.17	
ZE002	149.18	470.30	474.63	140	32.458	7.50	4.31	4.33	0.66	ZE002.A002
ZE002.1	152.48	470.30	473.35	140	22.839	7.50	4.22	3.05	1.17	
ZE003	364.45	465.47	467.89	140	33.236	14.97	5.31	2.42	2.87	
ZE004	1618.20	436.90	439.98	140	51.774	24.46	2.70	3.08	0.59	ZE004.A004
ZE004.1	1623.40	436.90	439.29	140	39.878	16.70	3.51	2.39	1.29	
ZE005	1933.95	431.60	435.11	140	42.167	12.00	3.32	3.51	0.73	ZE005.A005
ZE005.1	1942.25	431.60	434.77	140	36.393	11.50	4.09	3.16	1.37	
ZE006	2638.50	422.30	424.87	140	46.287	18.00	3.03	2.57	0.69	ZE006.A006
ZE006.1	2644.00	422.30	424.77	140	44.541	18.00	3.14	2.47	1.39	
ZE007	3143.60	415.50	419.79	140	61.747	14.40	2.27	4.29	0.35	ZE007.A007
ZE007.1	3148.40	415.50	419.42	140	56.448	14.40	2.48	3.92	0.40	
ZE008	3226.00	414.32	419.24	140	70.848	14.40	1.98	4.92	0.28	

Attraversamenti Torrente Zemola T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ZE002.A002	474.63	473.35	1.28	476.20	476.70	1.57
ZE004.A004	439.98	439.29	0.69	443.60	444.60	3.62
ZE005.A005	435.11	434.77	0.35	441.60	442.10	6.49
ZE006.A006	424.87	424.77	0.10	426.00	426.80	1.13
ZE007.A007	419.79	419.42	0.37	419.50	420.30	**-0.29**

Profili di calcolo del Torrente Zemola T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ZE001	0.00	470.90	475.93	165	149.33	29.70	1.16	5.03	0.17	
ZE002	149.18	470.30	475.11	165	36.066	7.50	4.58	4.81	0.67	ZE002.A002
ZE002.1	152.48	470.30	473.67	165	25.236	7.50	4.33	3.37	1.20	
ZE003	364.45	465.47	468.15	165	37.13	14.97	5.37	2.68	2.91	
ZE004	1618.20	436.90	440.39	165	61.969	29.60	2.73	3.49	0.63	ZE004.A004
ZE004.1	1623.40	436.90	439.59	165	44.936	16.70	3.67	2.69	1.29	
ZE005	1933.95	431.60	435.55	165	47.385	12.00	3.48	3.95	0.62	ZE005.A005
ZE005.1	1942.25	431.60	435.14	165	40.743	11.50	5.46	3.54	1.79	
ZE006	2638.50	422.30	425.17	165	51.721	18.00	3.19	2.87	0.69	ZE006.A006
ZE006.1	2644.00	422.30	425.07	165	49.785	18.00	3.39	2.77	1.39	
ZE007	3143.60	415.50	420.13	165	66.621	14.40	2.48	4.63	0.37	ZE007.A007
ZE007.1	3148.40	415.50	419.50	165	57.653	14.40	2.86	4.00	0.46	
ZE008	3226.00	414.32	419.24	165	70.848	14.40	2.33	4.92	0.34	

Attraversamenti Torrente Zemola T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ZE002.A002	475.11	473.67	1.44	476.20	476.70	1.09
ZE004.A004	440.39	439.59	0.80	443.60	444.60	3.21
ZE005.A005	435.55	435.14	0.41	441.60	442.10	6.05
ZE006.A006	425.17	425.07	0.11	426.00	426.80	**0.83**
ZE007.A007	420.13	419.50	0.62	419.50	420.30	**-0.63**

Profili di calcolo del Torrente Osiglietta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
OS001	0.00	672.30	675.21	128	27.96	9.60	4.58	2.91	0.86	
OS002	195.49	667.70	670.58	128	40.28	14.00	3.18	2.88	0.60	OS002.A002
OS002.1	202.99	667.70	669.70	128	26.74	13.40	4.79	2.00	1.08	
OS003	497.51	657.30	660.18	128	41.61	14.50	3.53	2.88	0.67	OS003.A003
OS003.1	500.51	657.30	659.56	128	32.11	14.20	4.57	2.26	0.97	
OS004	902.97	649.00	651.71	128	33.88	12.50	3.78	2.71	0.73	OS004.A004
OS004.1	905.97	649.00	651.43	128	30.38	12.50	4.21	2.43	0.86	
OS005	948.27	647.00	650.72	128	36.70	13.00	3.49	3.72	0.66	OS005.A005
OS005.1	950.77	647.00	650.38	128	31.20	12.60	4.10	3.38	0.83	
OS006	1037.28	646.00	648.70	128	33.78	12.50	3.79	2.70	0.74	OS006.A006
OS006.1	1041.58	646.00	648.42	128	30.21	12.50	4.24	2.42	0.87	
OS007	1367.51	637.90	641.44	128	49.98	34.59	2.56	3.54	0.68	
OS008	1615.79	634.40	638.81	128	71.45	16.20	1.72	4.41	0.26	OS008.A007
OS008.1	1626.89	634.40	638.74	128	66.41	15.30	1.85	4.34	0.28	
CONFL_LAGO	1815.00	631.90	638.60	128	268.00	40.00	0.48	6.70	0.06	
VALLE_DIGA	4704.60	564.60	567.30	140	28.62	10.60	4.89	2.70	0.95	
OS009	5347.83	551.60	554.53	140	32.25	11.00	4.34	2.93	0.81	OS009.A008
OS009.1	5349.73	551.60	554.20	140	27.59	10.60	5.07	2.60	1.00	
OS010	6838.67	516.70	520.54	140	34.20	8.90	4.09	3.84	0.67	OS010.A009
OS010.1	6841.77	516.70	520.26	140	31.70	8.90	4.42	3.56	0.75	
OS011	9590.67	468.80	472.18	140	30.41	9.00	3.81	3.38	0.66	OS011.A010
OS011.1	9594.17	468.80	472.03	140	28.99	9.00	4.00	3.23	0.71	
OS012	9906.66	462.43	467.29	140	183.85	62.46	0.76	4.86	0.14	
OS013	10066.70	460.55	467.27	140	302.32	64.74	0.46	6.72	0.07	

Attraversamenti Torrente Osiglietta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
OS002.A002	670.58	669.70	0.88	671.20	672.20	**0.62**
OS003.A003	660.18	659.56	0.62	663.60	664.00	3.42
OS004.A004	651.71	651.43	0.28	650.60	650.90	**-0.81**
OS005.A005	650.72	650.38	0.34	651.00	651.40	**0.68**
OS006.A006	648.70	648.42	0.28	648.60	649.00	**0.30**
OS008.A007	638.81	638.74	0.07	640.90	642.40	3.59
OS009.A008	554.53	554.20	0.33	553.10	553.30	**-1.23**
OS010.A009	520.54	520.26	0.28	519.60	520.00	**-0.54**
OS011.A010	472.18	472.03	0.15	470.20	470.70	**-1.98**

Profili di calcolo del Torrente Osiglietta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
OS001	0.00	672.30	675.95	173	35.07	9.60	4.93	3.65	0.82	
OS002	195.49	667.70	671.46	173	52.59	14.00	3.29	3.76	0.54	OS002.A002
OS002.1	202.99	667.70	670.15	173	32.89	13.40	5.26	2.45	1.07	
OS003	497.51	657.30	660.82	173	50.89	14.50	3.94	3.52	0.67	OS003.A003
OS003.1	500.51	657.30	660.06	173	39.30	14.20	5.10	2.76	0.98	
OS004	902.97	649.00	652.21	173	40.09	12.50	4.32	3.21	0.77	OS004.A004
OS004.1	905.97	649.00	651.97	173	37.15	12.50	4.66	2.97	0.86	
OS005	948.27	647.00	651.37	173	45.11	13.00	3.84	4.37	0.66	OS005.A005
OS005.1	950.77	647.00	651.01	173	39.15	12.60	4.42	4.01	0.80	
OS006	1037.28	646.00	649.47	173	43.32	12.50	3.99	3.47	0.68	OS006.A006
OS006.1	1041.58	646.00	648.94	173	36.80	12.50	4.70	2.94	0.87	
OS007	1367.51	637.90	641.80	173	63.54	42.11	2.73	3.90	0.71	
OS008	1615.79	634.40	638.98	173	74.28	16.20	2.49	4.58	0.37	OS008.A007
OS008.1	1626.89	634.40	638.87	173	68.34	15.30	2.70	4.47	0.41	
CONFL_LAGO	1815.00	631.90	638.60	173	268.00	40.00	0.65	6.70	0.08	
VALLE_DIGA	4704.60	564.60	567.63	173	32.16	10.60	5.38	3.03	0.99	
OS009	5347.83	551.60	554.76	173	34.73	11.00	4.98	3.16	0.90	OS009.A008
OS009.1	5349.73	551.60	554.53	173	31.09	10.60	5.56	2.93	1.04	
OS010	6838.67	516.70	520.96	173	37.89	8.90	4.57	4.26	0.71	OS010.A009
OS010.1	6841.77	516.70	520.65	173	35.15	8.90	4.92	3.95	0.79	
OS011	9590.67	468.80	472.72	173	35.21	9.00	5.92	3.92	0.95	OS011.A010
OS011.1	9594.17	468.80	472.49	173	33.47	9.00	6.21	3.69	1.03	
OS012	9906.66	462.43	467.90	173	222.50	63.21	0.78	5.47	0.13	
OS013	10066.70	460.55	467.89	173	342.70	65.50	0.50	7.34	0.07	

Attraversamenti Torrente Osiglietta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
OS002.A002	671.46	670.15	1.31	671.20	672.20	**-0.26**
OS003.A003	660.82	660.06	0.76	663.60	664.00	2.78
OS004.A004	652.21	651.97	0.24	650.60	650.90	**-1.61**
OS005.A005	651.37	651.01	0.36	651.00	651.40	**-0.37**
OS006.A006	649.47	648.94	0.53	648.60	649.00	**-0.87**
OS008.A007	638.98	638.87	0.11	640.90	642.40	1.92
OS009.A008	554.76	554.53	0.23	553.10	553.30	**-1.66**
OS010.A009	520.96	520.65	0.31	519.60	520.00	**-1.36**
OS011.A010	472.72	472.49	0.23	470.20	470.70	**-2.52**

Profili di calcolo del Torrente Osiglietta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
OS001	0.00	672.30	676.48	205	40.16	9.60	5.10	4.18	0.80	
OS002	195.49	667.70	672.13	205	61.98	14.00	3.31	4.43	0.50	OS002.A002
OS002.1	202.99	667.70	670.47	205	37.07	13.40	5.53	2.77	1.06	
OS003	497.51	657.30	661.27	205	57.37	14.50	4.16	3.97	0.67	OS003.A003
OS003.1	500.51	657.30	660.39	205	44.08	14.20	5.42	3.09	0.98	
OS004	902.97	649.00	652.52	205	44.03	12.50	4.51	3.52	0.77	OS004.A004
OS004.1	905.97	649.00	652.47	205	42.61	12.50	4.67	3.47	0.81	
OS005	948.27	647.00	651.89	205	51.82	13.00	3.95	4.89	0.63	OS005.A005
OS005.1	950.77	647.00	651.45	205	44.72	12.60	4.58	4.45	0.78	
OS006	1037.28	646.00	650.06	205	50.72	12.50	4.04	4.06	0.64	OS006.A006
OS006.1	1041.58	646.00	649.22	205	40.22	12.50	5.10	3.22	0.91	
OS007	1367.51	637.90	642.02	205	73.61	48.14	2.78	4.12	0.72	
OS008	1615.79	634.40	639.12	205	76.52	16.20	2.53	4.72	0.37	OS008.A007
OS008.1	1626.89	634.40	638.97	205	69.95	15.30	2.77	4.57	0.41	
CONFL_LAGO	1815.00	631.90	638.60	205	268.00	40.00	0.77	6.70	0.09	
VALLE_DIGA	4704.60	564.60	567.94	205	35.39	10.60	5.79	3.34	1.01	
OS009	5347.83	551.60	555.05	205	37.92	11.00	5.41	3.45	0.93	OS009.A008
OS009.1	5349.73	551.60	554.84	205	34.32	10.60	5.97	3.24	1.06	
OS010	6838.67	516.70	521.59	205	43.52	8.90	5.40	4.89	0.78	OS010.A009
OS010.1	6841.77	516.70	521.00	205	38.29	8.90	6.14	4.30	0.95	
OS011	9590.67	468.80	473.24	205	39.88	9.00	6.12	4.44	0.93	OS011.A010
OS011.1	9594.17	468.80	472.78	205	36.18	9.00	6.73	3.98	1.07	
OS012	9906.66	462.43	467.91	205	222.83	63.22	0.92	5.48	0.16	
OS013	10066.70	460.55	467.89	205	342.70	65.50	0.60	7.34	0.08	

Attraversamenti Torrente Osiglietta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
OS002.A002	672.13	670.47	1.66	671.20	672.20	**-0.93**
OS003.A003	661.27	660.39	0.88	663.60	664.00	2.33
OS004.A004	652.52	652.47	0.05	650.60	650.90	**-1.92**
OS005.A005	651.89	651.45	0.44	651.00	651.40	**-0.89**
OS006.A006	650.06	649.22	0.84	648.60	649.00	**-1.46**
OS008.A007	639.12	638.97	0.15	640.90	642.40	1.78
OS009.A008	555.05	554.84	0.21	553.10	553.30	**-1.95**
OS010.A009	521.59	521.00	0.59	519.60	520.00	**-1.99**
OS011.A010	473.24	472.78	0.46	470.20	470.70	**-3.04**

Profili di calcolo del Fiume Bormida di Spigno T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS001	0.00	331.54	335.39	589	848.56	318.78	0.86	3.85	0.31	
BSD001M	495.00	330.30	334.93	596	231.69	50.00	2.56	4.63	0.38	BSD001
BSD001V	505.00	329.80	334.28	596	223.81	50.00	2.69	4.48	0.41	
BS002	806.51	328.53	333.61	596	228.80	79.05	2.64	5.08	0.64	
BS003	1098.60	328.00	333.36	596	462.97	87.00	2.43	5.36	0.38	BS003.A001
BS003.1	1106.60	328.00	333.34	596	462.53	87.00	2.49	5.34	0.39	
BS004	1497.82	326.90	333.11	596	399.70	88.46	2.19	6.21	0.40	BS004.A002
BS004.1	1503.82	326.90	333.09	596	397.39	88.35	2.16	6.19	0.39	
BS005	1666.25	326.69	332.66	596	208.95	53.72	2.89	5.97	0.47	
BS006	2027.43	326.40	332.17	596	313.38	99.40	2.89	5.77	0.60	BS006.A003
BS006.1	2034.43	326.40	332.13	604	310.69	99.19	2.90	5.73	0.60	
BS007	2304.74	325.37	331.45	604	316.21	207.12	2.37	6.08	0.52	
CONFL_LO	2950.00	323.48	329.13	634	321.50	154.61	2.06	5.65	0.51	
BS008	3077.95	323.10	328.82	634	340.32	146.31	2.02	5.72	0.48	
BS009	3571.42	321.93	327.99	636	377.91	135.12	1.88	6.06	1.18	BS009.A004
BS009.1	3579.42	321.93	326.43	636	187.90	113.47	3.51	4.50	1.21	
BS010	3723.82	321.50	325.30	636	307.90	82.21	2.62	3.80	0.44	BS010.A005
BS010.1	3731.52	321.50	325.25	636	303.67	82.18	2.66	3.75	0.48	
BS011	4040.33	321.20	324.65	636	258.54	75.00	2.82	3.45	0.51	BS011.A006
BS011.1	4057.33	321.20	324.57	636	251.86	75.00	2.92	3.37	0.54	
BS012	4299.16	319.68	323.75	638	209.52	73.38	3.12	4.07	0.67	
BS013	4408.64	319.30	323.58	638	280.07	74.00	2.32	4.28	0.46	BS013.A007
BS013.1	4410.64	319.30	323.52	638	276.14	74.00	2.39	4.22	0.56	
BS014	4519.50	318.34	323.12	638	207.79	68.55	3.16	4.78	0.58	
BS015	4732.70	317.68	322.08	653	156.97	71.54	4.20	4.40	0.91	
BS016	4915.80	316.32	320.40	653	267.49	91.68	2.55	4.08	0.73	
BS017	5284.22	314.70	320.01	653	439.83	88.00	3.65	5.31	0.56	BS017.A008

Profili di calcolo del Fiume Bormida di Spigno T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS017.1	5294.72	314.70	319.99	653	437.93	88.00	3.72	5.29	0.57	
BS018	5796.84	314.06	319.77	657	635.39	308.40	2.08	5.71	0.47	
BS019	6247.82	312.03	318.80	657	353.71	285.03	2.44	6.77	0.54	
CONFL_CA	6348.00	311.88	318.35	689	300.72	195.35	2.66	6.47	0.56	
BS020	6818.04	311.50	316.37	689	206.55	49.39	3.35	4.87	0.55	BS020.A009
BS020.1	6821.74	311.50	316.28	689	202.33	49.26	3.52	4.78	0.59	
BS021	8179.60	307.40	313.30	698	295.20	50.00	3.08	5.90	0.77	BS021.A010
BS021.1	8187.60	307.40	313.26	698	293.13	50.00	3.12	5.86	0.82	
BS022	8827.17	305.40	312.85	698	372.79	50.00	2.77	7.45	0.33	BS022.A011
BS022.1	8835.17	305.40	312.84	698	370.44	50.00	2.76	7.44	0.33	
BS023	9219.52	304.27	311.92	698	280.63	147.89	3.08	7.65	0.57	
BS024	10038.72	302.82	308.75	698	540.27	314.57	1.59	5.93	0.45	
BS025	10688.34	302.20	307.30	698	145.93	28.60	4.55	5.10	0.64	BS025.A012
BS025.1	10691.84	302.20	307.09	698	139.76	28.60	4.82	4.89	0.70	
BS026	11043.74	299.40	305.50	707	421.05	290.12	3.18	6.10	0.61	
BS027	11768.93	297.66	303.60	716	348.05	169.90	2.37	5.94	0.44	
BS028	12648.16	295.82	301.03	725	334.79	246.64	2.58	5.21	0.65	
BSD003M	12795.00	295.80	300.84	725	521.66	150.00	1.30	5.04	0.22	BSD003
BSD003V	12805.00	294.80	300.69	725	648.04	150.00	1.06	5.89	0.16	
BS030	13482.69	294.26	300.00	725	327.19	95.36	2.38	5.74	0.64	BS030.A014
BS030.1	13490.69	294.26	299.96	725	323.24	95.29	2.29	5.70	0.69	
CONFL_PO	13550.00	294.10	299.85	758	328.98	147.79	2.15	5.75	0.52	
BS031	13752.45	293.60	299.27	762	317.74	147.72	2.38	5.67	0.58	
CONFL_BR	14220.00	292.00	297.69	776	222.40	54.92	3.26	5.69	0.53	
BS033	14326.23	291.60	297.37	776	226.63	55.09	3.28	5.77	0.53	BS033.A016
BS033.1	14333.83	291.60	297.20	776	217.49	54.72	3.48	5.60	0.57	
BS034	14771.18	290.67	295.95	776	303.08	133.78	2.86	5.28	0.73	BS034.A017
BS034.1	14779.18	290.67	295.89	776	295.24	128.86	3.05	5.22	0.76	

Profili di calcolo del Fiume Bormida di Spigno T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS035	15433.00	287.93	294.24	780	445.69	168.17	1.63	6.31	0.32	
CONFL_BO	15800.00	286.72	293.45	819	333.45	154.79	2.47	6.73	0.64	
BS036	16227.72	285.32	292.09	819	323.86	171.24	2.61	6.77	0.53	
BS037	16687.60	284.34	290.60	819	414.85	190.69	2.85	7.26	0.56	
BS038	16835.40	283.90	290.45	819	541.76	207.88	2.28	6.55	0.54	
BS039	17532.59	282.34	289.37	828	279.91	71.94	2.68	7.03	0.43	
BS040	18663.64	282.00	287.14	828	257.35	50.00	3.95	5.14	0.56	BS040.A018
BS040.1	18671.64	282.00	287.06	828	253.17	50.00	4.04	5.06	0.57	
BSD004M	19108.00	281.80	286.65	828	1020.79	739.78	0.73	4.85	0.20	BSD004
BSD004V	19118.00	281.30	285.48	828	592.07	534.01	2.25	4.18	0.61	
BS041	19309.07	281.00	284.66	828	182.78	50.00	4.07	3.66	1.16	BS041.A019
BS041.1	19317.07	281.00	284.53	828	176.52	50.00	4.27	3.53	1.13	
BS042	22071.05	263.10	267.29	836	190.87	54.57	3.91	4.19	0.67	
BS043	22631.04	259.80	264.96	836	244.86	56.94	3.05	5.16	0.47	BS043.A021
BS043.1	22636.04	259.80	264.85	836	238.82	56.68	3.16	5.05	0.49	
BS044	23197.38	256.80	264.12	850	385.30	69.70	1.95	7.32	0.27	
CONFL_MA	23300.00	256.70	263.94	903	380.90	150.59	2.12	7.24	0.43	
BS045	23404.42	256.55	263.57	903	349.08	145.23	2.47	7.02	0.51	
BS046	24117.22	255.25	261.69	906	551.91	277.84	1.78	6.44	0.43	
BS047	24934.00	254.00	260.29	906	509.31	277.70	2.05	6.29	0.50	

Attraversamenti Fiume Bormida di Spigno T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BS003.A001	333.35	333.34	0.01	334.00	336.00	**0.65**
BS004.A002	333.11	333.09	0.02	333.60	335.10	**0.49**
BS006.A003	332.17	332.13	0.04	332.40	334.90	**0.23**
BS009.A004	327.99	326.43	1.56	330.20	331.20	2.21
BS010.A005	325.30	325.25	0.05	325.80	327.00	**0.50**
BS011.A006	324.65	324.57	0.08	325.50	327.00	**0.85**
BS013.A007	323.58	323.52	0.06	323.50	324.60	**-0.08**
BS017.A008	320.01	319.99	0.02	319.40	321.20	**-0.61**
BS020.A009	316.37	316.28	0.09	317.60	318.60	1.23
BS021.A010	313.30	313.26	0.04	319.75	320.20	6.45
BS022.A011	312.85	312.84	0.01	318.75	320.00	5.90
BS025.A012	307.30	307.09	0.21	309.10	309.20	1.80
BS030.A014	300.00	299.96	0.04	304.30	304.90	4.30
BS033.A016	297.37	297.20	0.17	300.00	301.80	2.63
BS034.A017	295.95	295.89	0.06	300.00	303.10	4.05
BS040.A018	287.14	287.06	0.08	294.45	295.60	7.31
BS041.A019	284.66	284.53	0.13	291.45	292.60	6.79
BS043.A021	264.96	264.85	0.11	269.00	270.40	4.04

Profili di calcolo del Fiume Bormida di Spigno T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS001	0.00	331.54	336.38	799	1177.82	344.80	0.88	4.84	0.31	
BSD001M	495.00	330.30	335.90	809	279.94	50.00	2.88	5.60	0.39	BSD001
BSD001V	505.00	329.80	334.96	809	257.80	50.00	3.20	5.16	0.45	
BS002	806.51	328.53	334.29	809	283.08	82.07	2.92	5.76	0.64	
BS003	1098.60	328.00	334.02	809	524.07	87.00	2.46	6.02	0.32	BS003.A001
BS003.1	1106.60	328.00	333.99	809	520.65	87.00	2.55	5.99	0.34	
BS004	1497.82	326.90	333.76	809	457.16	91.21	2.10	6.86	0.34	BS004.A002
BS004.1	1503.82	326.90	333.72	809	453.70	91.05	2.13	6.82	0.34	
BS005	1666.25	326.69	333.16	809	236.82	55.77	3.49	6.47	0.54	
BS006	2027.43	326.40	332.51	809	349.34	102.11	3.12	6.11	0.60	BS006.A003
BS006.1	2034.43	326.40	332.46	819	343.93	101.71	3.17	6.06	0.60	
BS007	2304.74	325.37	331.79	819	387.35	212.16	2.35	6.42	0.53	
CONFL_LO	2950.00	323.48	329.83	864	431.24	156.16	2.13	6.35	0.50	
BS008	3077.95	323.10	329.61	864	456.48	147.71	2.02	6.51	0.49	
BS009	3571.42	321.93	329.06	867	534.05	155.25	1.88	7.13	1.18	BS009.A004
BS009.1	3579.42	321.93	326.94	867	247.26	118.96	3.63	5.01	1.21	
BS010	3723.82	321.50	326.21	867	382.82	82.50	2.57	4.71	0.46	BS010.A005
BS010.1	3731.52	321.50	326.11	867	374.83	82.50	2.63	4.61	0.49	
BS011	4040.33	321.20	325.57	867	328.10	75.00	3.24	4.37	0.51	BS011.A006
BS011.1	4057.33	321.20	325.47	867	320.62	75.00	3.35	4.27	0.54	
BS012	4299.16	319.68	324.65	869	305.07	154.75	3.15	4.97	0.67	
BS013	4408.64	319.30	324.25	869	330.04	74.00	2.67	4.95	0.46	BS013.A007
BS013.1	4410.64	319.30	324.14	869	321.98	74.00	2.77	4.84	0.60	
BS014	4519.50	318.34	323.71	869	250.82	75.60	3.55	5.37	0.62	
BS015	4732.70	317.68	322.58	891	193.29	72.00	4.62	4.90	0.90	
BS016	4915.80	316.32	321.03	891	330.64	111.72	2.73	4.71	0.73	
BS017	5284.22	314.70	320.50	891	483.04	88.00	2.58	5.80	0.44	BS017.A008

Profili di calcolo del Fiume Bormida di Spigno T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS017.1	5294.72	314.70	320.41	891	474.55	88.00	2.59	5.71	0.46	
BS018	5796.84	314.06	320.15	896	751.93	309.01	2.09	6.09	0.48	
BS019	6247.82	312.03	319.48	896	574.58	363.89	2.46	7.45	0.52	
CONFL_CA	6348.00	311.88	319.21	940	531.52	352.87	2.69	7.33	0.55	
BS020	6818.04	311.50	317.43	940	259.80	50.50	3.59	5.93	0.55	BS020.A009
BS020.1	6821.74	311.50	317.32	940	254.27	50.50	3.72	5.82	0.59	
BS021	8179.60	307.40	314.10	952	335.23	50.00	3.34	6.70	0.68	BS021.A010
BS021.1	8187.60	307.40	314.04	952	332.06	50.00	3.38	6.64	0.72	
BS022	8827.17	305.40	313.58	952	402.16	50.00	4.40	8.18	0.50	BS022.A011
BS022.1	8835.17	305.40	313.39	952	400.26	50.00	4.56	7.99	0.52	
BS023	9219.52	304.27	312.58	952	386.82	172.42	3.11	8.31	0.58	
BS024	10038.72	302.82	309.96	952	920.47	315.94	1.61	7.14	0.46	
BS025	10688.34	302.20	308.37	952	176.43	28.60	5.33	6.17	0.69	BS025.A012
BS025.1	10691.84	302.20	308.03	952	166.87	28.60	5.72	5.83	0.76	
BS026	11043.74	299.40	305.90	965	536.58	290.12	3.22	6.50	0.62	
BS027	11768.93	297.66	304.18	977	460.91	213.49	2.38	6.52	0.47	
BS028	12648.16	295.82	301.97	989	589.97	291.58	2.64	6.15	0.64	
BSD003M	12795.00	295.80	301.88	989	677.56	150.00	1.44	6.08	0.22	BSD003
BSD003V	12805.00	294.80	301.45	989	761.80	150.00	1.30	6.65	0.18	
BS030	13482.69	294.26	300.55	989	380.17	96.25	2.56	6.29	0.64	BS030.A014
BS030.1	13490.69	294.26	300.48	989	372.83	96.13	2.64	6.22	0.63	
CONFL_PO	13550.00	294.10	300.40	1033	411.20	148.19	2.40	6.30	0.52	
BS031	13752.45	293.60	299.92	1038	414.04	148.20	2.39	6.32	0.58	
CONFL_BR	14220.00	292.00	298.81	1059	284.44	55.40	3.51	6.81	0.53	
BS033	14326.23	291.60	298.52	1059	290.16	55.40	3.48	6.92	0.53	BS033.A016
BS033.1	14333.83	291.60	297.93	1059	257.38	55.40	3.97	6.33	0.59	
BS034	14771.18	290.67	296.82	1059	438.78	163.19	2.86	6.15	0.71	BS034.A017
BS034.1	14779.18	290.67	296.52	1059	390.20	160.98	3.03	5.85	0.76	

Profili di calcolo del Fiume Bormida di Spigno T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS035	15433.00	287.93	294.78	1064	536.92	168.97	1.89	6.85	0.34	
CONFL_BO	15800.00	286.72	293.94	1118	408.99	160.12	2.52	7.21	0.64	
BS036	16227.72	285.32	292.55	1118	403.00	171.88	2.67	7.23	0.54	
BS037	16687.60	284.34	291.46	1118	580.26	191.50	2.91	8.12	0.59	
BS038	16835.40	283.90	291.38	1118	738.00	211.80	2.32	7.48	0.55	
BS039	17532.59	282.34	290.32	1129	349.33	74.16	3.00	7.98	0.44	
BS040	18663.64	282.00	287.79	1129	289.23	50.00	4.46	5.79	0.59	BS040.A018
BS040.1	18671.64	282.00	287.69	1129	283.55	50.00	4.59	5.69	0.62	
BSD004M	19108.00	281.80	287.10	1129	1388.28	878.56	0.75	5.30	0.20	BSD004
BSD004V	19118.00	281.30	286.25	1129	1100.54	771.51	2.26	4.95	0.63	
BS041	19309.07	281.00	285.52	1129	225.98	50.00	4.60	4.52	0.89	BS041.A019
BS041.1	19317.07	281.00	285.37	1129	218.31	50.00	4.82	4.37	1.00	
BS042	22071.05	263.10	268.14	1141	238.32	56.66	4.38	5.04	0.69	
BS043	22631.04	259.80	265.88	1141	299.78	67.54	3.48	6.08	0.53	BS043.A021
BS043.1	22636.04	259.80	265.75	1141	291.46	64.94	3.62	5.95	0.55	
BS044	23197.38	256.80	264.81	1159	432.97	69.70	2.43	8.01	0.31	
CONFL_MA	23300.00	256.70	264.67	1233	526.25	238.46	2.25	7.97	0.46	
BS045	23404.42	256.55	264.25	1233	471.10	202.89	2.69	7.70	0.57	
BS046	24117.22	255.25	262.13	1237	673.41	278.25	1.79	6.88	0.44	
BS047	24934.00	254.00	260.70	1237	623.49	278.08	2.05	6.70	0.50	

Attraversamenti Fiume Bormida di Spigno T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BS003.A001	334.02	333.99	0.03	334.00	336.00	**-0.02**
BS004.A002	333.76	333.72	0.04	333.60	335.10	**-0.16**
BS006.A003	332.51	332.46	0.05	332.40	334.90	**-0.11**
BS009.A004	329.06	326.94	2.12	330.20	331.20	1.14
BS010.A005	326.21	326.11	0.10	325.80	327.00	**-0.41**
BS011.A006	325.57	325.47	0.10	325.50	327.00	**-0.07**
BS013.A007	324.25	324.14	0.11	323.50	324.60	**-0.75**
BS017.A008	320.50	320.41	0.09	319.40	321.20	**-1.10**
BS020.A009	317.43	317.32	0.11	317.60	318.60	**0.17**
BS021.A010	314.10	314.04	0.06	319.75	320.20	5.65
BS022.A011	313.58	313.39	0.19	318.75	320.00	5.17
BS025.A012	308.37	308.03	0.34	309.10	309.20	**0.73**
BS030.A014	300.55	300.48	0.07	304.30	304.90	3.75
BS033.A016	298.52	297.93	0.59	300.00	301.80	1.48
BS034.A017	296.82	296.52	0.30	300.00	303.10	3.18
BS040.A018	287.79	287.69	0.10	294.45	295.60	6.66
BS041.A019	285.52	285.37	0.15	291.45	292.60	5.93
BS043.A021	265.88	265.75	0.13	269.00	270.40	3.12

Profili di calcolo del Fiume Bormida di Spigno T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS001	0.00	331.54	337.06	948	1417.79	358.65	0.87	5.52	0.31	
BSD001M	495.00	330.30	336.58	960	314.04	50.00	3.05	6.28	0.39	BSD001
BSD001V	505.00	329.80	335.31	960	275.41	50.00	3.55	5.51	0.48	
BS002	806.51	328.53	334.70	960	317.25	83.44	3.13	6.17	0.65	
BS003	1098.60	328.00	334.60	960	578.95	87.00	3.09	6.60	0.39	BS003.A001
BS003.1	1106.60	328.00	334.48	960	559.74	87.00	3.16	6.48	0.42	
BS004	1497.82	326.90	334.18	960	496.48	93.05	1.95	7.28	0.27	BS004.A002
BS004.1	1503.82	326.90	334.11	960	489.77	92.74	2.00	7.21	0.28	
BS005	1666.25	326.69	333.50	960	255.75	57.15	3.80	6.81	0.57	
BS006	2027.43	326.40	332.76	960	374.31	103.60	3.40	6.36	0.58	BS006.A003
BS006.1	2034.43	326.40	332.69	973	367.29	103.33	3.49	6.29	0.59	
BS007	2304.74	325.37	332.02	973	437.29	212.78	2.36	6.65	0.52	
CONFL_LO	2950.00	323.48	330.41	1025	524.76	167.24	2.15	6.93	0.51	
BS008	3077.95	323.10	330.23	1025	550.90	157.92	2.06	7.13	0.50	
BS009	3571.42	321.93	329.82	1029	659.08	178.22	1.88	7.89	1.18	BS009.A004
BS009.1	3579.42	321.93	327.29	1029	289.06	121.65	3.66	5.36	1.21	
BS010	3723.82	321.50	326.72	1029	425.56	82.50	2.49	5.22	0.46	BS010.A005
BS010.1	3731.52	321.50	326.56	1029	412.24	82.50	2.57	5.06	0.49	
BS011	4040.33	321.20	326.00	1029	359.79	75.00	3.37	4.80	0.51	BS011.A006
BS011.1	4057.33	321.20	325.87	1029	348.66	75.00	3.49	4.67	0.61	
BS012	4299.16	319.68	325.12	1032	392.72	208.39	3.16	5.44	0.68	
BS013	4408.64	319.30	324.68	1032	361.40	74.00	2.87	5.38	0.46	BS013.A007
BS013.1	4410.64	319.30	324.49	1032	347.30	74.00	3.01	5.19	0.73	
BS014	4519.50	318.34	324.03	1032	275.01	75.60	3.80	5.69	0.64	
BS015	4732.70	317.68	322.89	1058	215.21	72.00	4.88	5.21	0.90	
BS016	4915.80	316.32	321.40	1058	374.44	126.26	2.83	5.08	0.73	
BS017	5284.22	314.70	320.78	1058	507.57	88.00	2.66	6.08	0.41	BS017.A008

Profili di calcolo del Fiume Bormida di Spigno T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS017.1	5294.72	314.70	320.63	1058	494.24	88.00	2.68	5.93	0.41	
BS018	5796.84	314.06	320.35	1064	812.82	309.36	2.10	6.29	0.48	
BS019	6247.82	312.03	319.73	1064	664.46	373.33	2.46	7.70	0.52	
CONFL_CA	6348.00	311.88	319.51	1117	639.96	372.59	2.65	7.63	0.55	
BS020	6818.04	311.50	318.03	1117	290.09	50.50	3.79	6.53	0.56	BS020.A009
BS020.1	6821.74	311.50	317.91	1117	283.83	50.50	3.90	6.41	0.59	
BS021	8179.60	307.40	314.60	1132	359.80	50.00	3.68	7.20	0.73	BS021.A010
BS021.1	8187.60	307.40	314.48	1132	354.51	50.00	3.73	7.08	0.82	
BS022	8827.17	305.40	313.87	1132	417.90	50.00	4.30	8.47	0.48	BS022.A011
BS022.1	8835.17	305.40	313.71	1132	414.97	50.00	4.47	8.31	0.51	
BS023	9219.52	304.27	312.91	1132	445.73	182.72	3.16	8.64	0.59	
BS024	10038.72	302.82	310.48	1132	1084.47	316.53	1.62	7.66	0.49	
BS025	10688.34	302.20	309.01	1132	194.91	28.60	5.70	6.81	0.70	BS025.A012
BS025.1	10691.84	302.20	308.58	1132	182.51	28.60	6.13	6.38	0.77	
BS026	11043.74	299.40	306.13	1146	605.36	290.12	3.24	6.73	0.62	
BS027	11768.93	297.66	304.51	1161	537.07	233.27	2.32	6.85	0.47	
BS028	12648.16	295.82	302.70	1175	813.44	324.95	2.66	6.88	0.64	
BSD003M	12795.00	295.80	302.62	1175	787.85	150.00	1.46	6.82	0.22	BSD003
BSD003V	12805.00	294.80	301.94	1175	835.55	150.00	1.38	7.14	0.19	
BS030	13482.69	294.26	301.06	1175	429.10	97.07	2.68	6.80	0.64	BS030.A014
BS030.1	13490.69	294.26	300.98	1175	421.27	96.94	2.74	6.72	0.68	
CONFL_PO	13550.00	294.10	300.95	1228	503.24	184.84	2.39	6.85	0.52	
BS031	13752.45	293.60	300.50	1234	513.65	189.81	2.42	6.90	0.58	
CONFL_BR	14220.00	292.00	299.54	1258	324.43	55.40	3.61	7.54	0.52	
BS033	14326.23	291.60	299.25	1228	330.83	55.40	3.59	7.65	0.53	BS033.A016
BS033.1	14333.83	291.60	298.34	1228	280.33	55.40	4.26	6.74	0.61	
BS034	14771.18	290.67	297.26	1228	510.74	165.53	2.87	6.59	0.97	BS034.A017
BS034.1	14779.18	290.67	296.77	1228	431.23	162.87	3.07	6.10	1.02	

Profili di calcolo del Fiume Bormida di Spigno T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BS035	15433.00	287.93	295.11	1264	592.57	169.46	2.01	7.18	0.34	
CONFL_BO	15800.00	286.72	294.24	1328	460.96	175.16	2.62	7.52	0.64	
BS036	16227.72	285.32	292.88	1328	459.37	172.33	2.71	7.56	0.54	
BS037	16687.60	284.34	292.01	1328	684.98	191.50	2.94	8.67	0.60	
BS038	16835.40	283.90	291.95	1328	859.11	211.80	2.35	8.05	0.57	
BS039	17532.59	282.34	290.89	1342	393.25	77.85	3.12	8.55	0.44	
BS040	18663.64	282.00	288.16	1342	307.94	50.00	4.65	6.16	0.60	BS040.A018
BS040.1	18671.64	282.00	288.03	1342	300.96	50.00	4.79	6.03	0.63	
BSD004M	19108.00	281.80	287.35	1342	1615.09	954.26	0.76	5.55	0.20	BSD004
BSD004V	19118.00	281.30	286.70	1342	1469.47	907.42	2.30	5.40	0.64	
BS041	19309.07	281.00	286.02	1342	250.96	50.00	4.88	5.02	0.89	BS041.A019
BS041.1	19317.07	281.00	285.85	1342	242.42	50.00	5.07	4.85	1.03	
BS042	22071.05	263.10	268.61	1356	265.19	57.80	4.63	5.51	0.69	
BS043	22631.04	259.80	266.39	1356	334.05	69.16	3.68	6.59	0.54	BS043.A021
BS043.1	22636.04	259.80	266.23	1356	323.43	68.96	3.81	6.43	0.56	
BS044	23197.38	256.80	265.16	1378	457.74	69.70	2.70	8.36	0.34	
CONFL_MA	23300.00	256.70	265.09	1466	632.51	261.60	3.09	8.39	1.63	
BS045	23404.42	256.55	264.70	1466	568.83	253.49	2.69	8.15	0.86	
BS046	24117.22	255.25	262.38	1471	743.61	278.48	1.89	7.13	0.44	
BS047	24934.00	254.00	260.94	1471	689.55	278.30	2.07	6.94	0.50	

Attraversamenti Fiume Bormida di Spigno T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BS003.A001	334.60	334.48	0.12	334.00	336.00	**-0.60**
BS004.A002	334.18	334.11	0.07	333.60	335.10	**-0.58**
BS006.A003	332.76	332.69	0.07	332.40	334.90	**-0.36**
BS009.A004	329.82	327.29	2.53	330.20	331.20	**0.38**
BS010.A005	326.72	326.56	0.16	325.80	327.00	**-0.92**
BS011.A006	326.00	325.87	0.13	325.50	327.00	**-0.50**
BS013.A007	324.68	324.49	0.19	323.50	324.60	**-1.18**
BS017.A008	320.78	320.63	0.15	319.40	321.20	**-1.38**
BS020.A009	318.03	317.91	0.12	317.60	318.60	**-0.43**
BS021.A010	314.60	314.48	0.12	319.75	320.20	5.15
BS022.A011	313.87	313.71	0.16	318.75	320.00	4.88
BS025.A012	309.01	308.58	0.43	309.10	309.20	**0.09**
BS030.A014	301.06	300.98	0.08	304.30	304.90	3.24
BS033.A016	299.25	298.34	0.91	300.00	301.80	**0.75**
BS034.A017	297.26	296.77	0.49	300.00	303.10	2.74
BS040.A018	288.16	288.03	0.13	294.45	295.60	6.29
BS041.A019	286.02	285.85	0.17	291.45	292.60	5.43
BS043.A021	266.39	266.23	0.16	269.00	270.40	2.61

Profili di calcolo del Rio Ferrere T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FR000	0.00	325.80	328.66	48	20.86	7.30	2.30	2.86	0.44	
FR002	320.16	323.50	326.38	48	19.87	6.90	2.61	2.88	0.49	FR002.A002
FR002.1	323.76	323.50	326.19	48	16.92	6.30	3.06	2.69	0.60	
FR003	443.40	322.35	325.11	48	21.28	7.70	2.26	2.76	0.43	FR003.A003
FR003.1	447.40	322.35	324.84	48	17.40	7.00	2.76	2.48	0.56	
FR004	676.31	319.50	322.36	48	24.68	8.70	1.93	2.86	0.37	FR004.A004
FR004.1	689.81	319.50	322.35	48	22.75	8.00	2.09	2.85	0.40	
FR005	789.73	317.80	322.13	48	53.66	12.40	0.89	4.33	0.14	FR005.A005
FR005.1	799.73	317.80	322.09	48	48.96	11.40	0.98	4.29	0.15	
FR006	824.43	317.68	322.08	48	50.16	11.40	0.98	4.40	0.15	

Attraversamenti Rio Ferrere T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FR002.A002	326.38	326.19	0.18	325.60	326.00	**-0.78**
FR003.A003	325.11	324.84	0.28	324.30	324.80	**-0.81**
FR004.A004	322.36	322.35	0.01	322.00	323.00	**-0.36**
FR005.A005	322.13	322.09	0.03	320.70	322.00	**-1.43**

Profili di calcolo del Rio Ferrere T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FR000	0.00	325.80	329.12	66	24.20	7.30	2.73	3.32	0.48	
FR002	320.16	323.50	326.64	66	21.66	6.90	3.05	3.14	0.55	FR002.A002
FR002.1	323.76	323.50	326.57	66	19.35	6.30	3.41	3.07	0.62	
FR003	443.40	322.35	325.40	66	23.52	7.70	2.81	3.05	0.51	FR003.A003
FR003.1	447.40	322.35	325.33	66	20.82	7.00	3.17	2.97	0.59	
FR004	676.31	319.50	323.12	66	31.52	8.70	2.09	3.62	0.35	FR004.A004
FR004.1	689.81	319.50	322.89	66	27.10	8.00	2.44	3.39	0.42	
FR005	789.73	317.80	322.63	66	59.89	12.40	1.10	4.83	0.16	FR005.A005
FR005.1	799.73	317.80	322.60	66	54.68	11.40	1.21	4.80	0.18	
FR006	824.43	317.68	322.58	66	55.86	11.40	1.18	4.90	0.17	

Attraversamenti Rio Ferrere T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FR002.A002	326.64	326.57	0.07	325.60	326.00	**-1.04**
FR003.A003	325.40	325.33	0.08	324.30	324.80	**-1.10**
FR004.A004	323.12	322.89	0.24	322.00	323.00	**-1.12**
FR005.A005	322.63	322.60	0.03	320.70	322.00	**-1.93**

Profili di calcolo del Rio Ferrere T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FR000	0.00	325.80	329.42	78	26.39	7.30	2.96	3.62	0.50	
FR002	320.16	323.50	327.01	78	24.23	6.90	3.22	3.51	0.55	FR002.A002
FR002.1	323.76	323.50	326.84	78	21.05	6.30	3.71	3.34	0.65	
FR003	443.40	322.35	325.71	78	25.85	7.70	2.97	3.35	0.52	FR003.A003
FR003.1	447.40	322.35	325.57	78	22.51	7.00	3.41	3.22	0.61	
FR004	676.31	319.50	323.31	78	33.17	8.70	2.35	3.81	0.39	FR004.A004
FR004.1	689.81	319.50	323.02	78	28.15	8.00	2.77	3.52	0.47	
FR005	789.73	317.80	322.66	78	60.20	12.40	1.30	4.85	0.19	FR005.A005
FR005.1	799.73	317.80	322.60	78	54.76	11.40	1.42	4.80	0.21	
FR006	824.43	317.68	322.58	78	55.86	11.40	1.40	4.90	0.20	

Attraversamenti Rio Ferrere T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FR002.A002	327.01	326.84	0.17	325.60	326.00	**-1.41**
FR003.A003	325.71	325.57	0.14	324.30	324.80	**-1.40**
FR004.A004	323.31	323.02	0.29	322.00	323.00	**-1.31**
FR005.A005	322.66	322.60	0.05	320.70	322.00	**-1.95**

Profili di calcolo del Torrente Bormiola T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BO001	0.00	318.36	321.09	107	46.19	37.44	2.32	2.73	0.67	
BO002	883.15	307.80	311.28	107	34.87	10.30	3.07	3.48	0.53	BO002.A001
BO002.1	887.95	307.80	311.07	107	32.61	10.30	3.28	3.27	0.59	
BO003	1749.27	298.70	301.62	107	102.00	161.21	1.05	2.92	0.42	
BO004	2965.40	292.20	295.04	107	36.97	13.00	2.89	2.84	0.55	BO004.A002
BO004.1	2972.90	292.20	294.89	107	33.37	12.40	3.21	2.69	0.62	
BO005	3019.72	291.80	294.59	107	47.54	18.50	2.25	2.79	0.45	BO005.A003
BO005.1	3035.72	291.80	294.42	107	42.85	17.70	2.50	2.62	0.51	
BO006	3228.92	287.26	293.45	107	48.62	17.70	2.20	6.19	0.42	

Attraversamenti Torrente Bormiola T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BO002.A001	311.28	311.07	0.21	310.70	311.20	**-0.58**
BO004.A002	295.04	294.89	0.15	295.80	297.40	**0.76**
BO005.A003	294.59	294.42	0.17	297.80	299.30	3.21

Profili di calcolo del Torrente Bormiola T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BO001	0.00	318.36	321.75	146	80.15	96.04	1.82	3.39	0.64	
BO002	883.15	307.80	311.93	146	41.50	10.30	3.52	4.13	0.56	BO002.A001
BO002.1	887.95	307.80	311.60	146	38.02	10.30	3.84	3.80	0.64	
BO003	1749.27	298.70	301.78	146	128.28	171.38	1.14	3.08	0.42	
BO004	2965.40	292.20	295.70	146	45.51	13.00	3.22	3.50	0.55	BO004.A002
BO004.1	2972.90	292.20	295.49	146	40.84	12.40	3.59	3.29	0.63	
BO005	3019.72	291.80	295.18	146	58.48	18.50	2.50	3.38	0.45	BO005.A003
BO005.1	3035.72	291.80	294.97	146	52.48	17.70	2.78	3.17	0.52	
BO006	3228.92	287.26	293.94	146	57.29	17.70	2.55	6.68	0.45	

Attraversamenti Torrente Bormiola T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BO002.A001	311.93	311.60	0.33	310.70	311.20	**-1.23**
BO004.A002	295.70	295.49	0.21	295.80	297.40	**0.10**
BO005.A003	295.18	294.97	0.21	297.80	299.30	2.62

Profili di calcolo del Torrente Bormiola T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BO001	0.00	318.36	321.87	173	95.97	115.20	1.80	3.51	0.63	
BO002	883.15	307.80	312.23	173	44.58	10.30	3.88	4.43	0.60	BO002.A001
BO002.1	887.95	307.80	311.90	173	41.15	10.30	4.20	4.10	0.67	
BO003	1749.27	298.70	301.89	173	147.58	176.07	1.17	3.19	0.41	
BO004	2965.40	292.20	296.26	173	52.84	13.00	3.27	4.06	0.52	BO004.A002
BO004.1	2972.90	292.20	295.84	173	45.16	12.40	3.83	3.64	0.64	
BO005	3019.72	291.80	295.50	173	64.38	18.50	2.69	3.70	0.46	BO005.A003
BO005.1	3035.72	291.80	295.23	173	57.04	17.70	3.03	3.43	0.54	
BO006	3228.92	287.26	293.94	173	57.29	17.70	3.02	6.68	0.54	

Attraversamenti Torrente Bormiola T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BO002.A001	312.23	311.90	0.33	310.70	311.20	**-1.53**
BO004.A002	296.26	295.84	0.42	295.80	297.40	**-0.46**
BO005.A003	295.50	295.23	0.27	297.80	299.30	2.30

Profili di calcolo del Rio Madonna T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
MA001	0.00	289.60	293.59	103	27.90	7.00	3.69	3.99	0.59	
MA002	334.07	286.00	289.93	103	32.21	8.20	3.20	3.93	0.52	MA002.A002
MA002.1	339.77	286.00	289.27	103	24.84	7.60	4.15	3.27	0.73	
MA003	510.09	283.50	286.13	103	33.32	17.46	3.09	2.63	0.71	
MA004	641.56	282.10	284.72	103	37.26	14.20	2.76	2.62	0.54	MA004.A003
MA004.1	645.06	282.10	284.64	103	35.55	14.00	2.90	2.54	0.58	
MA005	1078.64	278.00	280.70	103	37.79	14.00	2.73	2.70	0.53	MA005.A004
MA005.1	1083.64	278.00	280.64	103	36.89	14.00	2.79	2.64	0.55	
MA006	1387.44	274.78	278.27	103	57.59	78.71	1.79	3.49	0.67	
MA007	1702.82	270.70	274.30	103	48.47	16.00	2.24	3.60	0.41	MA007.A005
MA007.1	1707.82	270.70	274.27	103	46.55	15.60	2.34	3.57	0.43	
MA008	1927.07	269.88	273.17	103	74.46	89.11	1.39	3.29	0.48	
MA009	2854.90	263.09	266.64	103	66.84	60.86	1.54	3.55	0.47	
MA010	3307.36	260.30	264.07	103	56.54	17.70	1.82	3.77	0.33	MA010.A006
MA010.1	3314.16	260.30	264.04	103	57.18	17.70	1.80	3.74	0.32	
MA011	3388.44	259.00	263.98	103	84.31	20.50	1.22	4.98	0.19	MA011.A007
MA011.1	3397.44	259.00	263.96	103	81.40	20.00	1.26	4.96	0.20	
MA012	3446.44	258.50	263.94	103	90.94	20.00	1.13	5.44	0.17	

Attraversamenti Rio Madonna T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
MA002.A002	289.93	289.27	0.66	288.65	289.10	**-1.28**
MA004.A003	284.72	284.64	0.08	284.90	285.30	**0.18**
MA005.A004	280.70	280.64	0.06	280.60	281.00	**-0.10**
MA007.A005	274.30	274.27	0.03	274.50	275.00	**0.20**
MA010.A006	264.07	264.04	0.03	265.20	267.00	1.13
MA011.A007	263.98	263.96	0.02	266.00	268.00	2.02

Profili di calcolo del Rio Madonna T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
MA001	0.00	289.60	294.21	140	32.30	7.00	4.33	4.61	0.64	
MA002	334.07	286.00	290.57	140	37.48	8.20	3.74	4.57	0.56	MA002.A002
MA002.1	339.77	286.00	289.79	140	28.82	7.60	4.86	3.79	0.80	
MA003	510.09	283.50	286.66	140	43.15	20.55	3.24	3.16	0.72	
MA004	641.56	282.10	285.34	140	46.01	14.20	3.04	3.24	0.54	MA004.A003
MA004.1	645.06	282.10	285.22	140	43.68	14.00	3.21	3.12	0.58	
MA005	1078.64	278.00	281.25	140	45.43	14.00	3.08	3.25	0.55	MA005.A004
MA005.1	1083.64	278.00	281.08	140	43.19	14.00	3.24	3.08	0.59	
MA006	1387.44	274.78	278.45	140	80.71	111.16	1.73	3.67	0.65	
MA007	1702.82	270.70	274.63	140	53.87	16.00	2.60	3.93	0.45	MA007.A005
MA007.1	1707.82	270.70	274.55	140	51.44	15.60	2.72	3.85	0.48	
MA008	1927.07	269.88	273.35	140	92.28	96.14	1.52	3.47	0.49	
MA009	2854.90	263.09	266.99	140	90.06	70.25	1.55	3.90	0.44	
MA010	3307.36	260.30	264.85	140	70.30	17.70	1.99	4.55	0.32	MA010.A006
MA010.1	3314.16	260.30	264.78	140	70.20	17.70	1.99	4.48	0.32	
MA011	3388.44	259.00	264.72	140	99.49	20.50	1.41	5.72	0.20	MA011.A007
MA011.1	3397.44	259.00	264.70	140	96.08	20.00	1.46	5.70	0.21	
MA012	3446.44	258.50	264.67	140	105.54	20.00	1.33	6.17	0.18	

Attraversamenti Rio Madonna T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
MA002.A002	290.57	289.79	0.78	288.65	289.10	**-1.92**
MA004.A003	285.34	285.22	0.12	284.90	285.30	**-0.44**
MA005.A004	281.25	281.08	0.17	280.60	281.00	**-0.65**
MA007.A005	274.63	274.55	0.08	274.50	275.00	**-0.13**
MA010.A006	264.85	264.78	0.07	265.20	267.00	**0.35**
MA011.A007	264.72	264.70	0.02	266.00	268.00	1.28

Profili di calcolo del Rio Madonna T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
MA001	0.00	289.60	294.59	166	34.96	7.00	4.75	4.99	0.68	
MA002	334.07	286.00	290.87	166	39.96	8.20	4.15	4.87	0.60	MA002.A002
MA002.1	339.77	286.00	290.12	166	31.28	7.60	5.31	4.12	0.84	
MA003	510.09	283.50	286.96	166	49.65	22.04	3.34	3.46	0.71	
MA004	641.56	282.10	285.70	166	51.13	14.20	3.25	3.60	0.55	MA004.A003
MA004.1	645.06	282.10	285.52	166	47.95	14.00	3.46	3.42	0.60	
MA005	1078.64	278.00	281.55	166	49.69	14.00	3.34	3.55	0.57	MA005.A004
MA005.1	1083.64	278.00	281.33	166	46.62	14.00	3.56	3.33	0.62	
MA006	1387.44	274.78	278.59	166	98.42	136.02	1.69	3.81	0.63	
MA007	1702.82	270.70	274.93	166	58.60	16.00	2.83	4.23	0.47	MA007.A005
MA007.1	1707.82	270.70	274.77	166	54.84	15.60	3.03	4.07	0.52	
MA008	1927.07	269.88	273.47	166	103.59	100.60	1.60	3.59	0.50	
MA009	2854.90	263.09	267.15	166	102.24	75.46	1.62	4.06	0.45	
MA010	3307.36	260.30	264.95	166	72.02	17.70	2.31	4.65	0.36	MA010.A006
MA010.1	3314.16	260.30	264.84	166	71.21	17.70	2.33	4.54	0.37	
MA011	3388.44	259.00	264.75	166	100.06	20.50	1.66	5.75	0.24	MA011.A007
MA011.1	3397.44	259.00	264.71	166	96.33	20.00	1.72	5.71	0.25	
MA012	3446.44	258.50	264.67	166	105.54	20.00	1.57	6.17	0.22	

Attraversamenti Rio Madonna T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
MA002.A002	290.87	290.12	0.75	288.65	289.10	**-2.22**
MA004.A003	285.70	285.52	0.18	284.90	285.30	**-0.80**
MA005.A004	281.55	281.33	0.22	280.60	281.00	**-0.95**
MA007.A005	274.93	274.77	0.16	274.50	275.00	**-0.43**
MA010.A006	264.95	264.84	0.11	265.20	267.00	**0.25**
MA011.A007	264.75	264.71	0.04	266.00	268.00	1.25

Profili di calcolo del Rio Loppa T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
LO001	0.00	337.30	339.72	50	15.22	6.30	3.29	2.42	0.68	
LO002	301.23	332.00	334.32	50	16.02	6.90	3.43	2.32	0.72	LO002.A002
LO002.1	304.23	332.00	333.77	50	12.33	6.90	4.44	1.77	1.06	
LO003	374.38	329.50	332.41	50	21.83	7.50	2.21	2.91	0.41	LO003.A003
LO003.1	378.98	329.50	332.29	50	19.49	7.00	2.46	2.79	0.47	
LO004	718.37	326.40	329.29	50	37.57	13.00	1.45	2.89	0.27	LO004.A004
LO004.1	731.37	326.40	329.26	50	36.00	12.60	1.51	2.86	0.29	
LO005	859.47	325.00	329.13	50	52.04	12.60	0.96	4.13	0.15	

Attraversamenti Rio Loppa T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
LO002.A002	334.32	333.77	0.55	334.00	334.50	**-0.32**
LO003.A003	332.41	332.29	0.12	332.70	333.80	**0.29**
LO004.A004	329.29	329.26	0.03	329.00	330.20	**-0.29**

Profili di calcolo del Rio Loppa T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
LO001	0.00	337.30	340.24	67	18.55	6.30	3.61	2.94	0.67	
LO002	301.23	332.00	334.63	67	18.14	6.90	3.69	2.63	0.73	LO002.A002
LO002.1	304.23	332.00	334.19	67	15.14	6.90	4.43	2.19	0.95	
LO003	374.38	329.50	333.12	67	27.15	7.50	2.56	3.62	0.43	LO003.A003
LO003.1	378.98	329.50	332.96	67	24.22	7.00	2.88	3.46	0.49	
LO004	718.37	326.40	329.99	67	46.66	13.00	1.44	3.59	0.24	LO004.A004
LO004.1	731.37	326.40	329.94	67	44.65	12.60	1.50	3.54	0.25	
LO005	859.47	325.00	329.83	67	60.86	12.60	1.10	4.83	0.16	

Attraversamenti Rio Loppa T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
LO002.A002	334.63	334.19	0.44	334.00	334.50	**-0.63**
LO003.A003	333.12	332.96	0.16	332.70	333.80	**-0.42**
LO004.A004	329.99	329.94	0.05	329.00	330.20	**-0.99**

Profili di calcolo del Rio Loppa T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
LO001	0.00	337.30	340.66	80	21.16	6.30	3.78	3.36	0.66	
LO002	301.23	332.00	335.02	80	20.87	6.90	3.83	3.02	0.70	LO002.A002
LO002.1	304.23	332.00	334.48	80	17.13	6.90	4.67	2.48	0.95	
LO003	374.38	329.50	333.48	80	29.85	7.50	2.68	3.98	0.43	LO003.A003
LO003.1	378.98	329.50	333.32	80	26.74	7.00	2.99	3.82	0.49	
LO004	718.37	326.40	330.06	80	47.60	13.00	1.68	3.66	0.28	LO004.A004
LO004.1	731.37	326.40	329.99	80	45.26	12.60	1.77	3.59	0.30	
LO005	859.47	325.00	329.83	80	60.86	12.60	1.31	4.83	0.19	

Attraversamenti Rio Loppa T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
LO002.A002	335.02	334.48	0.54	334.00	334.50	**-1.02**
LO003.A003	333.48	333.32	0.16	332.70	333.80	**-0.78**
LO004.A004	330.06	329.99	0.07	329.00	330.20	**-1.06**

Profili di calcolo del Rio Brange T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BR001	0.00	298.50	300.12	42	19.50	23.90	2.15	1.62	0.76	
BR002	148.00	295.00	297.80	42	32.24	12.90	1.30	2.80	0.26	BR002.A001
BR002.1	153.31	295.00	297.79	42	32.11	12.90	1.31	2.79	0.26	
BR003	304.21	292.00	297.69	42	69.46	12.90	0.60	5.69	0.08	

Attraversamenti Rio Brange T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BR002.A001	297.80	297.79	0.01	299.80	300.60	2.00

Profili di calcolo del Rio Brange T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BR001	0.00	298.50	300.41	58	26.46	23.90	2.19	1.91	0.67	
BR002	148.00	295.00	298.88	58	46.12	12.90	1.26	3.88	0.21	BR002.A001
BR002.1	153.31	295.00	298.87	58	45.99	12.90	1.26	3.87	0.21	
BR003	304.21	292.00	298.81	58	83.91	12.90	0.69	6.81	0.09	

Attraversamenti Rio Brange T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BR002.A001	298.88	298.87	0.01	299.80	300.60	**0.92**

Profili di calcolo del Rio Brange T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BR001	0.00	298.50	300.51	69	28.93	23.90	2.39	2.01	0.69	
BR002	148.00	295.00	298.91	69	46.49	12.90	1.48	3.91	0.25	BR002.A001
BR002.1	153.31	295.00	298.90	69	46.33	12.90	1.49	3.90	0.25	
BR003	304.21	292.00	298.81	69	83.91	12.90	0.82	6.81	0.10	

Attraversamenti Rio Brange T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BR002.A001	298.91	298.90	0.01	299.80	300.60	**0.89**

Profili di calcolo del Rio Pollovero T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PO001	0.00	309.80	311.32	55	23.20	15.30	2.93	1.52	0.84	
PO002	608.87	303.28	305.08	55	24.44	20.12	2.57	1.80	1.15	
PO003	842.40	300.40	302.66	55	24.86	11.00	2.21	2.26	0.61	PO003.A002
PO003.1	847.40	300.40	302.60	55	23.27	10.60	2.65	2.20	1.50	
PO004	1191.53	296.70	300.02	55	35.86	10.80	1.54	3.32	0.27	PO004.A003
PO004.1	1198.73	296.70	299.99	55	35.59	10.80	1.55	3.29	0.27	
PO005	1350.03	294.10	299.85	55	62.10	10.80	0.89	5.75	0.12	

Attraversamenti Rio Pollovero T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PO003.A002	302.66	302.60	0.06	303.20	304.00	**0.54**
PO004.A003	300.02	299.99	0.03	300.70	301.90	**0.68**

Profili di calcolo del Rio Pollovero T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PO001	0.00	309.80	311.70	78	29.03	15.30	3.12	1.90	0.78	
PO002	608.87	303.28	305.46	78	33.77	26.01	2.79	2.18	1.07	
PO003	842.40	300.40	303.27	78	31.60	11.00	2.47	2.87	0.55	PO003.A002
PO003.1	847.40	300.40	303.19	78	29.63	10.60	2.63	2.79	1.82	
PO004	1191.53	296.70	300.64	78	42.53	10.80	1.83	3.94	0.30	PO004.A003
PO004.1	1198.73	296.70	300.58	78	41.91	10.80	1.86	3.88	0.30	
PO005	1350.03	294.10	300.40	78	68.04	10.80	1.15	6.30	0.15	

Attraversamenti Rio Pollovero T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PO003.A002	303.27	303.19	0.08	303.20	304.00	**-0.07**
PO004.A003	300.64	300.58	0.06	300.70	301.90	**0.06**

Profili di calcolo del Rio Pollovero T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PO001	0.00	309.80	311.88	90	31.81	15.30	3.22	2.08	0.76	
PO002	608.87	303.28	305.64	90	42.17	36.60	2.92	2.36	1.06	
PO003	842.40	300.40	303.53	90	34.45	11.00	2.61	3.13	0.54	PO003.A002
PO003.1	847.40	300.40	303.43	90	32.14	10.60	2.80	3.03	2.02	
PO004	1191.53	296.70	300.73	90	43.48	10.80	2.07	4.03	0.33	PO004.A003
PO004.1	1198.73	296.70	300.64	90	42.58	10.80	2.11	3.94	0.34	
PO005	1350.03	294.10	300.40	90	68.04	10.80	1.32	6.30	0.17	

Attraversamenti Rio Pollovero T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PO003.A002	303.53	303.43	0.10	303.20	304.00	**-0.33**
PO004.A003	300.73	300.64	0.09	300.70	301.90	**-0.03**

Profili di calcolo del Rio Carretto T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CA001	0.00	322.60	324.95	45	20.01	8.50	2.25	2.35	0.47	
CA002	576.92	318.60	320.75	45	19.36	9.00	2.32	2.15	0.51	CA002.A002
CA002.1	586.22	318.60	320.68	45	18.10	8.70	2.49	2.08	0.55	
CA003	761.96	316.20	319.04	45	25.56	9.00	1.76	2.84	0.33	CA003.A003
CA003.1	767.46	316.20	318.99	45	24.23	8.70	1.86	2.79	0.36	
CA004	1025.21	314.00	318.35	45	37.84	8.70	1.19	4.35	0.18	

Attraversamenti Rio Carretto T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CA002.A002	320.75	320.68	0.07	321.00	321.80	**0.25**
CA003.A003	319.04	318.99	0.05	318.50	319.30	**-0.54**

Profili di calcolo del Rio Carretto T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CA001	0.00	322.60	325.47	64	24.41	8.50	2.62	2.87	0.49	
CA002	576.92	318.60	321.38	64	25.06	9.00	2.34	2.78	0.45	CA002.A002
CA002.1	586.22	318.60	321.28	64	23.26	8.70	2.53	2.68	0.49	
CA003	761.96	316.20	319.83	64	32.67	9.00	1.96	3.63	0.33	CA003.A003
CA003.1	767.46	316.20	319.72	64	30.64	8.70	2.09	3.52	0.36	
CA004	1025.21	314.00	319.21	64	45.33	8.70	1.41	5.21	0.20	

Attraversamenti Rio Carretto T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CA002.A002	321.38	321.28	0.10	321.00	321.80	**-0.38**
CA003.A003	319.83	319.72	0.11	318.50	319.30	**-1.33**

Profili di calcolo del Rio Carretto T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CA001	0.00	322.60	325.78	77	27.04	8.50	2.85	3.18	0.51	
CA002	576.92	318.60	321.87	77	29.43	9.00	2.62	3.27	0.46	CA002.A002
CA002.1	586.22	318.60	321.59	77	26.02	8.70	2.96	2.99	0.55	
CA003	761.96	316.20	320.00	77	34.19	9.00	2.25	3.80	0.37	CA003.A003
CA003.1	767.46	316.20	319.87	77	31.96	8.70	2.41	3.67	0.40	
CA004	1025.21	314.00	319.21	77	45.33	8.70	1.70	5.21	0.24	

Attraversamenti Rio Carretto T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CA002.A002	321.87	321.59	0.28	321.00	321.80	**-0.87**
CA003.A003	320.00	319.87	0.13	318.50	319.30	**-1.50**

Profili di calcolo del Fiume Bormida di Pallare T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP001	0.00	538.40	539.42	42	13.67	13.40	3.06	1.02	0.97	
BP002	457.77	529.59	531.34	42	12.30	11.88	3.40	1.75	1.07	
BP003	645.26	526.70	527.59	42	13.93	15.60	3.00	0.89	1.01	BP003.A001
BP003.1	649.26	526.70	527.52	42	12.72	15.60	3.29	0.82	1.16	
BP004	946.59	512.55	519.79	42	15.39	10.65	2.71	7.24	0.86	
BP005	1101.76	517.10	518.60	42	25.41	16.90	1.50	1.50	0.39	BP005.A002
BP005.1	1105.76	517.10	517.91	42	13.65	16.90	2.79	0.81	1.00	
BP006	2078.21	494.00	496.22	54	21.42	11.05	2.33	2.22	0.59	BP006.A003
BP006.1	2082.61	494.00	495.61	54	14.10	10.00	3.40	1.61	1.00	
BP007	2384.54	487.90	489.94	78	20.71	16.49	2.77	2.04	1.62	
BP008	4050.32	460.00	461.01	78	37.21	44.00	2.08	1.01	0.72	BP008.A004
BP008.1	4059.82	460.00	460.91	78	32.48	44.00	2.38	0.91	1.17	
BP009	5797.84	434.60	436.43	78	30.93	16.90	2.49	1.83	0.59	BP009.A005
BP009.1	5800.94	434.60	435.93	78	22.41	16.90	3.43	1.33	0.95	
BP010	6073.48	429.17	431.64	110	24.84	15.02	3.70	2.47	2.90	
BP011	6814.41	415.89	417.80	122	35.11	26.09	3.25	1.91	0.90	
BP012	7578.62	404.49	407.56	122	91.55	99.30	1.43	3.07	0.46	
BP013	8202.24	403.54	405.61	122	44.22	47.79	3.10	2.07	0.93	
BP014	8693.28	396.67	399.22	122	40.48	26.81	2.93	2.55	0.76	
BP015	9115.60	392.78	395.55	173	48.65	30.59	4.40	2.77	4.19	
BP016	9601.74	388.20	390.38	173	82.45	37.80	2.03	2.18	0.44	BP016.A006
BP016.1	9605.44	388.20	389.67	173	55.63	37.80	3.01	1.47	0.79	
BP017	9808.99	386.04	387.78	173	72.81	56.76	2.30	1.74	0.65	
BP018	10131.60	382.71	385.72	188	90.92	111.99	2.42	3.01	0.74	
BP021	11732.10	368.96	371.56	200	70.32	53.77	2.77	2.60	0.78	
BP022	12401.48	363.00	365.75	200	78.44	28.50	2.46	2.75	0.47	BP22.A009
BP022.1	12405.18	363.00	365.20	200	62.73	28.50	3.08	2.20	0.66	

Profili di calcolo del Fiume Bormida di Pallare T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP023	12707.30	360.26	363.20	211	56.40	28.62	3.51	2.94	0.80	
BP024	13121.80	355.90	359.49	211	86.61	65.40	2.57	3.59	0.68	
BP026	13940.56	350.95	354.29	211	154.78	90.00	1.43	3.34	0.44	BP026.A011
BP026.1	13951.26	350.95	354.25	211	151.04	90.00	1.52	3.30	0.47	
CONFL_PL	14014.00	350.74	353.96	240	87.82	98.08	2.55	3.22	0.83	
BP027	14114.91	350.15	353.44	244	105.11	91.73	2.98	3.29	0.78	
BP028	14807.92	345.20	348.53	244	103.01	43.65	2.31	3.33	0.48	BP028.A012
BP028.1	14809.92	345.20	348.37	244	96.00	43.63	2.48	3.17	0.54	
BP029	14932.10	344.90	347.95	244	99.76	45.20	2.39	3.05	0.75	BP029.A013
BP029.1	14938.60	344.90	347.40	244	75.08	45.20	3.18	2.50	0.81	
BP030	15014.57	344.20	346.91	244	94.53	40.80	2.52	2.71	0.57	BP030.A014
BP030.1	15016.57	344.20	346.85	244	92.12	40.80	2.58	2.65	0.62	
BP031	15196.00	342.40	345.97	244	75.47	28.01	3.15	3.57	0.61	
BP032	15362.89	342.40	345.48	244	112.39	44.20	2.12	3.08	0.47	BP032.A015
BP032.1	15372.89	342.20	345.27	244	103.25	44.20	2.31	3.07	0.50	
CONFL_NA	15580.00	340.71	344.26	256	90.77	62.04	2.68	3.55	0.71	
BP033	15820.09	338.91	342.42	256	87.98	61.33	2.82	3.51	0.76	
BP034	16162.06	335.10	339.66	256	110.74	49.92	2.24	4.56	0.48	BP034.A016
BP034.1	16169.86	335.10	339.38	256	97.20	48.50	2.56	4.28	0.58	
BP035	16330.17	334.30	339.10	256	191.82	40.00	1.30	4.80	0.19	BP035.A017
BP035.1	16350.17	334.30	336.10	256	71.91	40.00	3.45	1.80	0.82	
BP036	16375.45	333.65	335.94	260	91.60	40.00	2.72	2.29	0.57	

Attraversamenti Fiume Bormida di Pallare T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BP003.A001	527.59	527.52	0.07	530.40	531.10	2.81
BP005.A002	518.60	517.91	0.69	522.30	522.80	3.70
BP006.A003	496.22	495.61	0.61	497.30	498.00	1.08
BP008.A004	461.01	460.91	0.10	465.30	466.80	4.29
BP009.A005	436.43	435.93	0.50	438.50	438.90	2.07
BP016.A006	390.38	389.67	0.71	393.40	394.30	3.02
BP022.A009	365.75	365.20	0.55	366.60	367.10	**0.85**
BP026.A011	354.29	354.25	0.04	355.70	357.70	1.41
BP028.A012	348.53	348.37	0.16	348.50	349.20	**-0.03**
BP029.A013	347.95	347.40	0.55	349.80	350.20	1.85
BP030.A014	346.91	346.85	0.06	346.70	347.30	**-0.21**
BO032.A015	345.48	345.27	0.21	348.50	350.10	3.02
BP034.A016	339.66	339.38	0.28	338.70	339.70	**-0.96**
BP035.A017	339.10	336.10	3.00	340.20	342.20	1.10

Profili di calcolo del Fiume Bormida di Pallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP001	0.00	538.40	539.62	56	16.41	13.40	3.39	1.22	0.98	
BP002	457.77	529.59	531.58	56	15.28	13.57	3.64	1.99	1.10	
BP003	645.26	526.70	527.76	56	16.52	15.60	3.37	1.06	1.04	BP003.A001
BP003.1	649.26	526.70	527.68	56	15.28	15.60	3.64	0.98	1.18	
BP004	946.59	512.55	520.09	56	18.73	11.48	2.97	7.54	0.86	
BP005	1101.76	517.10	518.99	56	31.97	16.90	1.74	1.89	0.40	BP005.A002
BP005.1	1105.76	517.10	518.07	56	16.36	16.90	3.40	0.97	3.33	
BP006	2078.21	494.00	496.60	72	25.49	11.58	2.52	2.60	0.60	BP006.A003
BP006.1	2082.61	494.00	495.91	72	17.19	10.46	3.63	1.91	1.01	
BP007	2384.54	487.90	490.22	105	25.79	18.31	2.97	2.32	1.62	
BP008	4050.32	460.00	461.16	105	43.73	44.00	2.37	1.16	0.76	BP008.A004
BP008.1	4059.82	460.00	461.05	105	38.97	44.00	2.66	1.05	1.19	
BP009	5797.84	434.60	436.79	105	36.99	16.90	2.79	2.19	0.60	BP009.A005
BP009.1	5800.94	434.60	436.21	105	27.21	16.90	3.80	1.61	0.96	
BP010	6073.48	429.17	432.00	148	30.41	15.76	3.78	2.83	2.90	
BP011	6814.41	415.89	418.07	164	42.36	26.36	3.63	2.18	0.91	
BP012	7578.62	404.49	407.80	164	120.25	121.55	1.40	3.31	0.45	
BP013	8202.24	403.54	405.86	164	56.78	54.91	3.09	2.32	0.93	
BP014	8693.28	396.67	399.73	164	56.63	40.65	2.99	3.06	0.77	
BP015	9115.60	392.78	395.93	234	60.64	32.65	4.40	3.15	4.19	
BP016	9601.74	388.20	390.81	234	98.65	37.80	2.33	2.61	0.46	BP016.A006
BP016.1	9605.44	388.20	389.98	234	67.31	37.80	3.42	1.78	0.82	
BP017	9808.99	386.04	388.06	234	89.77	60.94	2.56	2.02	0.67	
BP018	10131.60	382.71	385.90	255	111.94	116.90	2.45	3.19	0.75	
BP021	11732.10	368.96	371.89	271	93.36	65.26	2.84	2.93	0.78	
BP022	12401.48	363.00	366.23	271	92.04	28.50	2.88	3.23	0.51	BP22.A009
BP022.1	12405.18	363.00	365.69	271	76.75	28.50	3.45	2.69	0.67	

Profili di calcolo del Fiume Bormida di Pallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP023	12707.30	360.26	363.65	287	69.46	30.37	3.91	3.39	0.83	
BP024	13121.80	355.90	359.87	287	113.71	81.40	2.58	3.97	0.67	
BP026	13940.56	350.95	354.60	287	180.56	90.00	1.75	3.65	0.44	BP026.A011
BP026.1	13951.26	350.95	354.58	287	177.44	90.00	1.79	3.63	0.47	
CONFL_PL	14014.00	350.74	354.24	326	117.12	100.87	2.57	3.50	0.83	
BP027	14114.91	350.15	353.72	332	131.51	96.75	2.98	3.57	0.76	
BP028	14807.92	345.20	349.06	332	126.30	43.70	2.58	3.86	0.50	BP028.A012
BP028.1	14809.92	345.20	348.86	332	117.33	43.68	2.78	3.66	0.54	
BP029	14932.10	344.90	348.46	332	122.74	45.20	2.66	3.56	0.75	BP029.A013
BP029.1	14938.60	344.90	347.90	332	97.44	45.20	3.36	3.00	0.81	
BP030	15014.57	344.20	347.54	332	120.47	40.80	2.71	3.34	0.57	BP030.A014
BP030.1	15016.57	344.20	347.39	332	114.27	40.80	2.85	3.19	0.63	
BP031	15196.00	342.40	346.51	332	90.50	28.10	3.60	4.11	0.64	
BP032	15362.89	342.40	346.01	332	135.89	44.20	2.40	3.61	0.48	BP032.A015
BP032.1	15372.89	342.20	345.66	332	120.60	44.20	2.70	3.46	0.52	
CONFL_NA	15580.00	340.71	344.62	349	114.01	67.95	2.92	3.91	0.72	
BP033	15820.09	338.91	342.79	349	112.04	67.45	3.05	3.88	0.76	
BP034	16162.06	335.10	340.15	349	136.20	52.50	2.50	5.05	0.50	BP034.A016
BP034.1	16169.86	335.10	339.81	349	118.48	50.72	2.88	4.71	0.60	
BP035	16330.17	334.30	339.50	349	208.17	40.00	1.64	5.20	0.23	BP035.A017
BP035.1	16350.17	334.30	336.77	349	98.87	40.00	3.45	2.47	0.70	
BP036	16375.45	333.65	336.73	355	123.08	40.00	2.78	3.08	0.51	

Attraversamenti Fiume Bormida di Pallare T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BP003.A001	527.76	527.68	0.08	530.40	531.10	2.64
BP005.A002	518.99	518.07	0.92	522.30	522.80	3.31
BP006.A003	496.60	495.91	0.69	497.30	498.00	**0.70**
BP008.A004	461.16	461.05	0.11	465.30	466.80	4.14
BP009.A005	436.79	436.21	0.58	438.50	438.90	1.71
BP016.A006	390.81	389.98	0.83	393.40	394.30	2.59
BP022.A009	366.23	365.69	0.54	366.60	367.10	**0.37**
BP026.A011	354.60	354.58	0.02	355.70	357.70	1.10
BP028.A012	349.06	348.86	0.20	348.50	349.20	**-0.56**
BP029.A013	348.46	347.90	0.56	349.80	350.20	1.34
BP030.A014	347.54	347.39	0.15	346.70	347.30	**-0.84**
BO032.A015	346.01	345.66	0.35	348.50	350.10	2.49
BP034.A016	340.15	339.81	0.34	338.70	339.70	**-1.45**
BP035.A017	339.50	336.77	2.73	340.20	342.20	**0.70**

Profili di calcolo del Fiume Bormida di Pallare T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP001	0.00	538.40	539.76	65	18.20	13.40	3.59	1.36	0.99	
BP002	457.77	529.59	531.72	65	17.21	14.56	3.80	2.13	1.34	
BP003	645.26	526.70	527.87	65	18.22	15.60	3.59	1.17	1.06	BP003.A001
BP003.1	649.26	526.70	527.79	65	16.96	15.60	3.85	1.09	1.60	
BP004	946.59	512.55	520.27	65	20.76	11.97	3.15	7.72	0.85	
BP005	1101.76	517.10	519.15	65	34.59	16.90	1.89	2.05	0.42	BP005.A002
BP005.1	1105.76	517.10	518.17	65	18.12	16.90	3.61	1.07	1.38	
BP006	2078.21	494.00	496.85	84	28.23	11.93	2.73	2.85	1.31	BP006.A003
BP006.1	2082.61	494.00	496.11	84	19.28	10.75	3.93	2.11	1.32	
BP007	2384.54	487.90	490.41	123	29.37	19.87	3.08	2.51	1.16	
BP008	4050.32	460.00	461.26	123	47.92	44.00	2.55	1.26	1.34	BP008.A004
BP008.1	4059.82	460.00	461.15	123	43.15	44.00	3.39	1.15	2.99	
BP009	5797.84	434.60	437.02	123	40.91	16.90	2.98	2.42	1.08	BP009.A005
BP009.1	5800.94	434.60	436.40	123	30.36	16.90	4.02	1.80	1.09	
BP010	6073.48	429.17	432.23	175	34.11	16.23	3.97	3.06	0.97	
BP011	6814.41	415.89	418.25	194	47.07	26.53	6.16	2.36	4.02	
BP012	7578.62	404.49	407.94	194	139.18	135.46	1.41	3.45	0.45	
BP013	8202.24	403.54	406.04	194	68.04	66.36	3.08	2.50	1.36	
BP014	8693.28	396.67	400.05	194	71.59	53.58	2.99	3.38	0.78	
BP015	9115.60	392.78	396.67	278	113.75	131.18	3.27	3.89	1.52	
BP016	9601.74	388.20	391.08	278	108.88	37.80	2.50	2.88	0.47	BP016.A006
BP016.1	9605.44	388.20	390.17	278	74.43	37.80	3.66	1.97	0.83	
BP017	9808.99	386.04	388.22	278	99.99	63.46	2.72	2.18	0.69	
BP018	10131.60	382.71	386.01	303	125.45	120.88	2.46	3.30	0.75	
BP021	11732.10	368.96	372.10	321	107.95	72.54	3.91	3.14	1.68	
BP022	12401.48	363.00	366.53	321	100.60	28.50	3.11	3.53	0.53	BP22.A009
BP022.1	12405.18	363.00	366.20	321	91.32	28.50	3.54	3.20	0.67	

Profili di calcolo del Fiume Bormida di Pallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BP023	12707.30	360.26	364.36	340	101.99	70.98	3.98	4.10	1.27	
BP024	13121.80	355.90	360.09	340	136.62	102.72	2.59	4.19	0.68	
BP026	13940.56	350.95	354.76	340	196.94	90.00	1.95	3.81	0.44	BP026.A011
BP026.1	13951.26	350.95	354.74	340	193.64	90.00	1.98	3.79	0.47	
CONFL_PL	14014.00	350.74	354.42	387	135.44	101.75	2.59	3.68	0.83	
BP027	14114.91	350.15	353.90	394	148.34	98.55	2.99	3.75	0.77	
BP028	14807.92	345.20	349.50	394	145.35	43.70	2.65	4.30	0.50	BP028.A012
BP028.1	14809.92	345.20	349.17	394	130.81	43.70	2.93	3.97	0.55	
BP029	14932.10	344.90	348.79	394	137.70	45.20	2.78	3.89	0.54	BP029.A013
BP029.1	14938.60	344.90	348.19	394	110.81	45.20	3.46	3.29	0.88	
BP030	15014.57	344.20	347.88	394	134.29	40.80	2.86	3.68	0.57	BP030.A014
BP030.1	15016.57	344.20	347.71	394	127.40	40.80	3.01	3.51	0.76	
BP031	15196.00	342.40	346.82	394	99.36	28.10	3.86	4.42	0.66	
BP032	15362.89	342.40	346.32	394	149.64	44.20	2.56	3.92	0.48	BP032.A015
BP032.1	15372.89	342.20	345.88	394	130.37	44.20	2.94	3.68	0.55	
CONFL_NA	15580.00	340.71	344.82	414	128.18	71.21	3.05	4.11	0.73	
BP033	15820.09	338.91	343.00	414	126.85	70.91	3.15	4.09	1.13	
BP034	16162.06	335.10	340.43	414	151.01	53.94	2.65	5.33	0.51	BP034.A016
BP034.1	16169.86	335.10	340.06	414	131.13	52.00	3.05	4.96	0.68	
BP035	16330.17	334.30	339.74	414	217.48	40.00	1.84	5.44	0.25	BP035.A017
BP035.1	16350.17	334.30	336.92	414	104.71	40.00	3.82	2.62	0.75	
BP036	16375.45	333.65	336.84	421	127.43	40.00	3.14	3.19	0.56	

Attraversamenti Fiume Bormida di Pallare T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BP003.A001	527.87	527.79	0.08	530.40	531.10	2.53
BP005.A002	519.15	518.17	0.98	522.30	522.80	3.15
BP006.A003	496.85	496.11	0.74	497.30	498.00	**0.45**
BP008.A004	461.26	461.15	0.11	465.30	466.80	4.04
BP009.A005	437.02	436.40	0.62	438.50	438.90	1.48
BP016.A006	391.08	390.17	0.91	393.40	394.30	2.32
BP022.A009	366.53	366.20	0.33	366.60	367.10	**0.07**
BP026.A011	354.76	354.74	0.02	355.70	357.70	**0.94**
BP028.A012	349.50	349.17	0.33	348.50	349.20	**-1.00**
BP029.A013	348.79	348.19	0.60	349.80	350.20	1.01
BP030.A014	347.88	347.71	0.17	346.70	347.30	**-1.18**
BO032.A015	346.32	345.88	0.44	348.50	350.10	2.18
BP034.A016	340.43	340.06	0.37	338.70	339.70	**-1.73**
BP035.A017	339.74	336.92	2.82	340.20	342.20	**0.46**

Profili di calcolo del Rio Nanta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
NA001	0.00	361.30	362.55	30	11.48	9.20	2.61	1.25	0.75	
NA002	246.16	357.00	358.24	30	11.63	9.40	2.58	1.24	0.74	
NA003	696.59	349.20	350.57	30	15.07	11.00	1.97	1.37	0.54	NA003.A001
NA003.1	708.59	349.20	350.38	30	12.25	10.40	2.43	1.18	0.71	
NA004	1086.25	342.60	344.47	30	22.42	12.00	1.41	1.87	0.33	NA004.A002
NA004.1	1096.25	342.60	344.44	30	21.15	11.50	1.49	1.84	0.35	
NA005	1218.75	340.71	344.26	30	40.83	11.50	0.74	3.55	0.12	

Attraversamenti Rio Nanta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
NA003.A001	350.57	350.38	0.19	352.20	353.10	1.63
NA004.A002	344.47	344.44	0.03	347.00	348.30	2.53

Profili di calcolo del Rio Nanta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
NA001	0.00	361.30	362.83	41	14.10	9.20	2.91	1.53	0.75	
NA002	246.16	357.00	358.52	41	14.25	9.40	2.88	1.52	0.75	
NA003	696.59	349.20	350.78	41	17.38	11.00	2.36	1.58	0.60	NA003.A001
NA003.1	708.59	349.20	350.65	41	15.10	10.40	2.72	1.45	0.72	
NA004	1086.25	342.60	344.85	41	27.04	12.00	1.58	2.25	0.34	NA004.A002
NA004.1	1096.25	342.60	344.82	41	25.47	11.50	1.68	2.22	0.36	
NA005	1218.75	340.71	344.62	41	44.97	11.50	0.91	3.91	0.15	

Attraversamenti Rio Nanta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
NA003.A001	350.78	350.65	0.13	352.20	353.10	1.42
NA004.A002	344.85	344.82	0.03	347.00	348.30	2.15

Profili di calcolo del Rio Nanta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
NA001	0.00	361.30	363.05	50	16.11	9.20	3.10	1.75	0.75	
NA002	246.16	357.00	358.73	50	16.27	9.40	3.07	1.73	0.75	
NA003	696.59	349.20	351.00	50	19.76	11.00	2.54	1.80	0.61	NA003.A001
NA003.1	708.59	349.20	350.85	50	17.12	10.40	2.93	1.65	0.73	
NA004	1086.25	342.60	344.95	50	28.18	12.00	1.86	2.35	0.39	NA004.A002
NA004.1	1096.25	342.60	344.89	50	26.42	11.50	1.99	2.29	0.42	
NA005	1218.75	340.71	344.62	50	44.97	11.50	1.11	3.91	0.18	

Attraversamenti Rio Nanta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
NA003.A001	351.00	350.85	0.15	352.20	353.10	1.20
NA004.A002	344.95	344.89	0.06	347.00	348.30	2.05

Profili di calcolo del Rio Plodio T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PL001	0.00	357.30	358.47	36	15.16	13.00	2.37	1.17	0.70	
PL002	292.90	352.80	354.32	36	20.26	13.30	1.85	1.52	0.48	PL002.A001
PL002.1	302.30	352.80	354.28	36	19.26	13.00	1.94	1.48	0.51	
PL003	402.80	350.74	353.96	36	41.86	13.00	0.86	3.22	0.15	

Attraversamenti Rio Plodio T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PL002.A001	354.32	354.28	0.04	357.00	358.00	2.68

Profili di calcolo del Rio Plodio T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PL001	0.00	357.30	358.74	50	18.78	13.00	2.66	1.44	0.71	
PL002	292.90	352.80	354.64	50	24.46	13.30	2.04	1.84	0.48	PL002.A001
PL002.1	302.30	352.80	354.59	50	23.29	13.00	2.15	1.79	0.51	
PL003	402.80	350.74	354.24	50	45.50	13.00	1.10	3.50	0.19	

Attraversamenti Rio Plodio T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PL002.A001	354.64	354.59	0.05	357.00	358.00	2.36

Profili di calcolo del Rio Plodio T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
PL001	0.00	357.30	358.92	60	21.06	13.00	2.85	1.62	0.71	
PL002	292.90	352.80	354.77	60	26.16	13.30	2.29	1.97	0.52	PL002.A001
PL002.1	302.30	352.80	354.70	60	24.73	13.00	2.43	1.90	0.56	
PL003	402.80	350.74	354.24	60	45.50	13.00	1.32	3.50	0.23	

Attraversamenti Rio Plodio T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
PL002.A001	354.77	354.70	0.07	357.00	358.00	2.23

Profili di calcolo del Torrente Viazza T=50 anni										
ID Sezione	Progressiva [m]	Quota fondo [m slm]	P.L. [m slm]	Q [m^3/s]	□□[m^2]	b [m]	v [m/s]	y [m]	Fr	NOTE
VI001	0.00	412.40	414.77	62	20.40	8.60	3.04	2.37	0.63	
VI002	557.81	405.20	407.44	62	19.70	8.80	3.15	2.24	0.67	
VI003	1244.05	395.30	397.49	62	40.60	18.50	1.67	2.19	0.36	VI003.A001
VI003.1	1249.25	395.30	397.46	62	39.12	18.10	1.73	2.16	0.38	
VI004	1336.38	394.90	396.97	62	27.91	13.50	2.22	2.07	0.49	VI004.A002
VI004.1	1339.98	394.90	396.89	62	25.72	12.90	2.41	1.99	0.55	
VI005	1511.10	393.10	395.68	62	33.35	12.90	1.86	2.58	0.37	
VI006	1555.10	392.78	395.55	62	35.73	12.90	1.74	2.77	0.33	

Attraversamenti Torrente Viazza T=50 anni						
Codice	P.L. monte [m slm]	P.L. valle [m slm]	Sovralzo [m]	Intradosso [m slm]	Estradosso [m slm]	Franco [m]
VI003.A001	397.49	397.46	0.03	401.10	401.60	3.61
VI004.A002	396.97	396.89	0.08	398.30	399.30	1.33

Profili di calcolo del Torrente Viazza T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VI001	0.00	412.40	415.36	85	25.45	8.60	3.34	2.96	0.62	
VI002	557.81	405.20	407.99	85	24.53	8.80	3.47	2.79	0.66	
VI003	1244.05	395.30	397.98	85	49.65	18.50	1.66	2.68	0.32	VI003.A001
VI003.1	1249.25	395.30	397.94	85	47.75	18.10	1.72	2.64	0.34	
VI004	1336.38	394.90	397.42	85	34.08	13.50	2.49	2.52	0.50	VI004.A002
VI004.1	1339.98	394.90	397.33	85	31.34	12.90	2.71	2.43	0.56	
VI005	1511.10	393.10	396.10	85	38.75	12.90	2.19	3.00	0.40	
VI006	1555.10	392.78	395.93	85	40.63	12.90	2.09	3.15	0.38	

Attraversamenti Torrente Viazza T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VI003.A001	397.98	397.94	0.04	401.10	401.60	3.12
VI004.A002	397.42	397.33	0.09	398.30	399.30	**0.88**

Profili di calcolo del Torrente Viazza T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VI001	0.00	412.40	415.75	101	28.79	8.60	3.51	3.35	0.61	
VI002	557.81	405.20	408.35	101	27.68	8.80	3.65	3.15	0.66	
VI003	1244.05	395.30	398.28	101	55.17	18.50	1.94	2.98	0.36	VI003.A001
VI003.1	1249.25	395.30	398.23	101	53.16	18.10	2.01	2.93	0.37	
VI004	1336.38	394.90	397.69	101	37.61	13.50	2.69	2.79	0.51	VI004.A002
VI004.1	1339.98	394.90	397.57	101	34.48	12.90	2.93	2.67	0.57	
VI005	1511.10	393.10	396.18	101	39.73	12.90	2.54	3.08	0.46	
VI006	1555.10	392.78	395.93	101	40.63	12.90	2.49	3.15	0.45	

Attraversamenti Torrente Viazza T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VI003.A001	398.28	398.23	0.05	401.10	401.60	2.82
VI004.A002	397.69	397.57	0.12	398.30	399.30	**0.61**

Profili di calcolo del Fiume Bormida di Mallare T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA000	0.00	483.10	485.25	67	26.69	16.00	2.59	2.15	1.30	
BA001	1.00	483.10	485.24	67	26.56	16.00	2.60	2.14	1.31	BA001.A001
BA001.1	3.80	483.10	484.87	67	20.62	16.00	3.24	1.77	1.32	
BA002	205.79	479.10	481.71	67	22.83	11.80	2.93	2.61	0.67	BA002.A002
BA002.1	207.79	479.10	481.21	67	17.09	10.80	3.91	2.11	0.99	
BA003	422.61	475.30	477.44	67	24.83	13.36	2.90	2.14	1.60	BA003.A003
BA003.1	426.91	475.30	477.17	67	21.21	12.90	3.15	1.87	1.61	
BA004	1491.44	463.81	466.34	71	35.49	28.89	1.95	2.53	0.56	
BA005	1880.91	462.71	464.36	71	12.89	11.87	5.45	1.65	2.49	
BA006	2081.30	453.40	455.04	71	27.30	16.60	2.57	1.64	1.10	BA006.A004
BA006.1	2089.30	453.40	454.83	71	23.76	16.60	2.96	1.43	1.11	
BA007	2221.59	451.50	453.45	71	29.00	16.43	2.42	1.95	0.58	BA007.A005
BA007.1	2224.19	451.50	453.24	71	25.55	16.09	2.75	1.74	0.83	
BA008	2645.22	446.95	449.81	117	28.42	12.66	3.36	2.86	1.59	
BA009	3028.25	442.50	445.28	117	54.58	19.60	2.17	2.78	0.42	BA009.A006
BA009.1	3038.25	442.50	444.90	117	47.01	19.60	2.52	2.40	0.64	
BA010	3140.82	441.23	444.43	139	65.40	77.04	2.53	3.20	0.73	
BA011	3671.11	436.80	439.47	139	63.37	54.15	2.74	2.67	0.76	
BA013	4627.57	430.44	433.37	139	46.22	30.40	3.16	2.93	1.09	
BA014	7421.37	407.25	409.56	139	62.63	36.51	2.29	2.31	0.53	BA014.A008
BA014.1	7427.77	407.25	408.97	139	43.06	25.00	3.16	1.72	0.77	
BA015	8164.07	398.37	402.25	206	64.70	32.98	2.46	3.88	1.08	
BA016	9231.02	392.10	395.70	206	100.02	27.80	2.35	3.60	0.41	BA016.A009
BA016.1	9242.02	392.10	395.67	206	98.90	27.80	2.35	3.57	0.51	
BA017	9501.52	390.70	394.81	206	61.18	14.90	3.13	4.11	0.49	BA017.A010
BA017.1	9504.12	390.70	393.75	206	45.43	14.90	4.22	3.05	0.77	
BA018	9784.74	387.94	390.94	206	56.11	34.63	3.41	3.00	1.32	

Profili di calcolo del Fiume Bormida di Mallare T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA019	10249.82	382.28	385.71	206	103.82	75.58	2.03	3.43	0.54	
BA020	10612.00	381.80	384.40	206	90.86	35.00	2.10	2.60	0.42	BA020.A011
BA020.1	10616.50	381.80	384.03	206	78.06	35.00	2.45	2.23	0.64	
BA021	11073.03	379.40	382.25	206	72.33	28.32	3.09	2.85	0.62	BA021.A012
BA021.1	11080.03	379.40	382.19	206	70.65	28.20	3.18	2.79	0.64	
BA022	11306.27	378.02	380.93	206	70.69	76.82	6.37	2.91	2.87	
BA023	11494.68	374.93	378.34	206	116.68	54.17	1.66	3.41	0.36	BA023.A013
BA023.1	11504.68	374.93	378.31	206	115.08	53.32	1.68	3.38	0.36	
BA024	11585.67	374.77	377.89	206	62.65	35.76	3.20	3.12	1.39	BA024.A014
BA024.1	11594.07	374.77	377.73	206	57.54	34.61	3.46	2.96	1.40	
BA025	11663.03	374.25	377.20	206	78.56	26.60	2.43	2.95	0.45	BA025.A015
BA025.1	11675.03	374.25	377.06	206	74.68	26.60	2.56	2.81	0.60	
BA026	11857.22	373.05	376.41	206	72.51	27.27	2.63	3.36	0.56	BA026.A016
BA026.1	11860.12	373.05	375.83	206	57.37	25.32	3.33	2.78	0.71	
BA027	11893.45	372.81	375.82	206	107.80	50.83	1.82	3.01	0.58	BA027.A017
BA027.1	11903.45	372.81	375.78	206	105.81	50.58	1.85	2.97	0.61	
BA028	11969.53	372.85	375.45	206	70.78	35.90	3.40	2.60	2.13	BA028.A018
BA028.1	11979.53	372.85	375.08	206	57.96	34.32	3.41	2.23	2.15	
BA029	11990.19	372.23	375.09	206	79.93	37.15	3.87	2.86	1.97	BA029.A019
BA029.1	11998.19	372.23	375.04	206	78.27	36.93	3.88	2.81	1.98	
BA030	12979.36	368.40	371.66	206	146.49	45.00	1.30	3.26	0.23	BA030.A020
BA030.1	12982.86	368.40	370.61	206	99.63	45.00	1.91	2.21	0.62	
BA032	13570.32	364.62	367.61	206	55.24	28.92	3.44	2.99	1.05	
BA033	14019.42	359.38	363.74	228	110.86	47.91	1.79	4.36	0.45	
BA034	14364.66	359.20	363.33	228	152.29	44.90	1.35	4.13	0.31	BA034.A022
BA034.1	14375.66	359.20	363.31	228	151.31	44.90	1.39	4.11	0.50	
BA035	14597.23	357.43	362.54	228	98.08	85.45	3.10	5.11	0.77	
BA036	15051.67	355.33	359.29	228	65.09	21.81	3.15	3.96	0.59	

Profili di calcolo del Fiume Bormida di Mallare T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA037	15487.10	353.86	357.22	228	71.64	43.06	3.03	3.36	0.73	
CONFL_CP	15617.00	352.86	356.39	231	79.59	51.40	2.75	3.53	0.67	
BA038	15889.84	351.60	355.18	243	100.50	40.00	2.42	3.58	1.27	BA038.A023
BA038.1	15893.14	351.60	354.66	243	79.46	40.00	2.75	3.06	1.29	
BA039	16479.97	347.50	351.52	243	120.48	30.00	1.82	4.02	0.30	BA039.A024
BA039.1	16487.97	347.50	351.38	243	116.32	30.00	1.88	3.88	0.31	
CONFL_FE	16515.00	347.33	351.27	297	115.14	49.57	2.09	3.94	0.51	
BA040	16597.27	347.08	350.68	297	99.94	47.16	3.03	3.60	0.67	
BA041	17446.51	341.76	345.82	297	102.53	40.89	2.94	4.06	0.87	
BA042	18058.54	339.00	343.33	297	129.87	30.00	2.32	4.33	0.36	BA042.A025
BA042.1	18071.54	339.00	343.20	297	125.97	30.00	2.39	4.20	0.39	
BA043	18098.54	338.80	343.01	297	98.86	23.50	3.05	4.21	0.49	BA043.A026
BA043.1	18101.54	338.80	342.90	297	96.40	23.50	3.13	4.10	0.51	
BA044	18366.66	337.27	341.56	321	95.34	62.09	3.84	4.29	1.23	
BA045	18717.49	334.27	337.96	321	125.36	48.17	2.52	3.69	0.50	

Attraversamenti Fiume Bormida di Mallare T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BA001.A001	485.24	484.87	0.37	486.90	487.50	1.66
BA002.A002	481.71	481.21	0.50	482.60	482.90	**0.89**
BA003.A003	477.44	477.17	0.27	478.60	479.40	1.16
BA006.A004	455.04	454.83	0.21	455.90	457.70	**0.86**
BA007.A005	453.45	453.24	0.21	453.85	454.30	**0.40**
BA009.A006	445.28	444.90	0.38	447.20	447.60	1.92
BA014.A008	409.56	408.97	0.59	414.55	415.55	4.99
BA016.A009	395.70	395.67	0.03	395.80	396.50	**0.10**
BA017.A010	394.81	393.75	1.06	394.00	394.30	**-0.81**
BA020.A011	384.40	384.03	0.37	386.00	387.20	1.60
BA021.A012	382.25	382.19	0.06	382.10	383.30	**-0.15**
BA023.A013	378.34	378.31	0.03	382.60	384.30	4.26
BA024.A014	377.89	377.73	0.16	381.00	382.00	3.11
BA025.A015	377.20	377.06	0.14	378.25	380.25	1.05
BA026.A016	376.41	375.83	0.58	377.15	377.45	**0.74**
BA027.A017	375.82	375.78	0.04	379.45	381.45	3.63
BA028.A018	375.45	375.08	0.37	378.90	379.17	3.45
BA029.A019	375.09	375.04	0.05	377.50	379.20	2.41
BA030.A020	371.66	370.61	1.05	372.30	373.10	**0.64**
BA034.A022	363.33	363.31	0.02	363.70	364.70	**0.37**
BA038.A023	355.18	354.66	0.52	356.80	358.30	1.62
BA039.A024	351.52	351.38	0.14	356.30	358.80	4.78
BA042.A025	343.33	343.20	0.13	344.40	346.40	1.07
BA043.A026	343.01	342.90	0.11	344.50	345.30	1.49

Profili di calcolo del Fiume Bormida di Mallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA000	0.00	483.10	485.59	90	32.16	16.00	2.78	2.49	1.30	
BA001	1.00	483.10	485.58	90	32.02	16.00	2.80	2.48	1.30	BA001.A001
BA001.1	3.80	483.10	485.16	90	25.21	16.00	3.55	2.06	1.31	
BA002	205.79	479.10	482.14	90	27.89	11.80	3.19	3.04	0.67	BA002.A002
BA002.1	207.79	479.10	481.57	90	21.15	11.72	4.19	2.47	1.00	
BA003	422.61	475.30	477.82	90	30.03	13.99	2.98	2.52	1.60	BA003.A003
BA003.1	426.91	475.30	477.53	90	25.94	13.49	3.46	2.23	1.61	
BA004	1491.44	463.81	466.64	95	45.07	33.98	2.06	2.83	0.57	
BA005	1880.91	462.71	464.64	95	16.57	14.37	5.68	1.93	2.49	
BA006	2081.30	453.40	455.35	95	32.38	16.60	2.90	1.95	1.10	BA006.A004
BA006.1	2089.30	453.40	455.13	95	28.68	16.60	3.28	1.73	1.11	
BA007	2221.59	451.50	453.81	95	34.96	17.01	2.72	2.31	0.61	BA007.A005
BA007.1	2224.19	451.50	453.65	95	32.28	16.75	3.00	2.15	0.83	
BA008	2645.22	446.95	450.88	157	97.78	155.38	3.64	3.93	1.59	
BA009	3028.25	442.50	445.79	157	64.50	19.60	2.46	3.29	0.43	BA009.A006
BA009.1	3038.25	442.50	445.16	157	52.05	19.60	3.05	2.66	0.64	
BA010	3140.82	441.23	444.68	187	86.98	104.76	2.53	3.45	0.77	
BA011	3671.11	436.80	439.78	187	80.49	65.39	2.62	2.98	0.73	
BA013	4627.57	430.44	433.73	187	59.94	39.07	3.17	3.29	1.09	
BA014	7421.37	407.25	410.01	187	90.91	64.50	2.29	2.76	0.56	BA014.A008
BA014.1	7427.77	407.25	409.27	187	50.38	25.00	3.44	2.02	0.77	
BA015	8164.07	398.37	402.64	278	77.82	34.79	2.64	4.27	1.08	
BA016	9231.02	392.10	396.36	278	118.41	27.80	2.26	4.26	0.39	BA016.A009
BA016.1	9242.02	392.10	396.27	278	116.03	27.80	2.29	4.17	0.51	
BA017	9501.52	390.70	395.40	278	70.02	14.90	3.50	4.70	0.52	BA017.A010
BA017.1	9504.12	390.70	394.24	278	52.69	14.90	4.65	3.54	0.79	
BA018	9784.74	387.94	391.25	278	67.44	37.97	3.63	3.31	1.32	

Profili di calcolo del Fiume Bormida di Mallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA019	10249.82	382.28	386.05	278	140.50	104.31	2.04	3.77	0.53	
BA020	10612.00	381.80	384.79	278	104.51	35.00	2.35	2.99	0.44	BA020.A011
BA020.1	10616.50	381.80	384.41	278	91.32	35.00	2.68	2.61	0.64	
BA021	11073.03	379.40	382.56	278	81.21	28.97	3.24	3.16	0.62	BA021.A012
BA021.1	11080.03	379.40	382.48	278	78.51	28.77	3.37	3.08	0.65	
BA022	11306.27	378.02	381.11	278	84.15	77.83	6.37	3.09	2.87	
BA023	11494.68	374.93	378.70	278	136.49	55.96	1.79	3.77	0.37	BA023.A013
BA023.1	11504.68	374.93	378.67	278	134.98	55.91	1.81	3.74	0.38	
BA024	11585.67	374.77	378.23	278	75.93	38.74	3.29	3.46	1.39	BA024.A014
BA024.1	11594.07	374.77	378.11	278	70.64	37.56	3.54	3.34	1.40	
BA025	11663.03	374.25	377.66	278	90.83	26.60	2.68	3.41	0.46	BA025.A015
BA025.1	11675.03	374.25	377.54	278	87.62	26.60	2.78	3.29	0.60	
BA026	11857.22	373.05	376.90	278	86.46	28.95	2.82	3.85	0.56	BA026.A016
BA026.1	11860.12	373.05	376.20	278	67.02	26.58	3.64	3.15	0.73	
BA027	11893.45	372.81	376.19	278	127.24	53.22	1.89	3.38	0.56	BA027.A017
BA027.1	11903.45	372.81	376.16	278	124.89	52.93	1.92	3.35	0.54	
BA028	11969.53	372.85	375.81	278	83.96	37.47	3.42	2.96	2.13	BA028.A018
BA028.1	11979.53	372.85	375.50	278	72.71	36.14	3.43	2.65	2.15	
BA029	11990.19	372.23	375.54	278	97.67	41.63	3.93	3.31	2.00	BA029.A019
BA029.1	11998.19	372.23	375.49	278	95.69	41.22	3.93	3.26	2.01	
BA030	12979.36	368.40	372.25	278	173.25	45.00	1.40	3.85	0.23	BA030.A020
BA030.1	12982.86	368.40	371.06	278	119.58	45.00	2.03	2.66	0.61	
BA032	13570.32	364.62	367.96	278	65.50	30.69	3.70	3.34	1.05	
BA033	14019.42	359.38	364.08	308	127.32	48.97	2.02	4.70	0.44	
BA034	14364.66	359.20	363.60	308	163.88	44.90	2.01	4.40	0.34	BA034.A022
BA034.1	14375.66	359.20	363.56	308	162.31	44.90	2.02	4.36	0.47	
BA035	14597.23	357.43	362.88	308	133.28	102.50	3.10	5.45	0.76	
BA036	15051.67	355.33	360.56	308	189.49	151.50	3.16	5.23	0.64	

Profili di calcolo del Fiume Bormida di Mallare T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA037	15487.10	353.86	357.59	308	90.41	55.47	3.12	3.73	0.76	
CONFL_CP	15617.00	352.86	356.69	312	95.48	55.82	2.96	3.83	0.70	
BA038	15889.84	351.60	355.52	328	114.06	40.00	2.42	3.92	1.27	BA038.A023
BA038.1	15893.14	351.60	354.97	328	91.96	40.00	3.00	3.37	1.29	
BA039	16479.97	347.50	351.87	328	131.01	30.00	2.16	4.37	0.34	BA039.A024
BA039.1	16487.97	347.50	351.82	328	129.57	30.00	2.18	4.32	0.35	
CONFL_FE	16515.00	347.33	351.73	402	140.82	56.44	2.30	4.40	0.54	
BA040	16597.27	347.08	351.10	402	118.79	50.16	3.26	4.02	0.71	
BA041	17446.51	341.76	346.25	402	120.33	42.39	3.21	4.49	0.87	
BA042	18058.54	339.00	343.93	402	147.95	30.00	2.61	4.93	0.37	BA042.A025
BA042.1	18071.54	339.00	343.76	402	142.67	30.00	2.70	4.76	0.40	
BA043	18098.54	338.80	343.53	402	111.09	23.50	3.47	4.73	0.51	BA043.A026
BA043.1	18101.54	338.80	343.39	402	107.88	23.50	3.58	4.59	0.53	
BA044	18366.66	337.27	342.00	434	126.18	79.48	3.72	4.73	1.77	
BA045	18717.49	334.27	338.44	434	149.16	53.96	2.84	4.17	0.54	

Attraversamenti Fiume Bormida di Mallare T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BA001.A001	485.58	485.16	0.42	486.90	487.50	1.32
BA002.A002	482.14	481.57	0.57	482.60	482.90	**0.46**
BA003.A003	477.82	477.53	0.29	478.60	479.40	**0.78**
BA006.A004	455.35	455.13	0.22	455.90	457.70	**0.55**
BA007.A005	453.81	453.65	0.16	453.85	454.30	**0.04**
BA009.A006	445.79	445.16	0.63	447.20	447.60	1.41
BA014.A008	410.01	409.27	0.74	414.55	415.55	4.54
BA016.A009	396.36	396.27	0.09	395.80	396.50	**-0.56**
BA017.A010	395.40	394.24	1.16	394.00	394.30	**-1.40**
BA020.A011	384.79	384.41	0.38	386.00	387.20	1.21
BA021.A012	382.56	382.48	0.08	382.10	383.30	**-0.46**
BA023.A013	378.70	378.67	0.03	382.60	384.30	3.90
BA024.A014	378.23	378.11	0.12	381.00	382.00	2.77
BA025.A015	377.66	377.54	0.12	378.25	380.25	**0.59**
BA026.A016	376.90	376.20	0.70	377.15	377.45	**0.25**
BA027.A017	376.19	376.16	0.03	379.45	381.45	3.26
BA028.A018	375.81	375.50	0.31	378.90	379.17	3.09
BA029.A019	375.54	375.49	0.05	377.50	379.20	1.96
BA030.A020	372.25	371.06	1.19	372.30	373.10	**0.05**
BA034.A022	363.60	363.56	0.04	363.70	364.70	**0.10**
BA038.A023	355.52	354.97	0.55	356.80	358.30	1.28
BA039.A024	351.87	351.82	0.05	356.30	358.80	4.43
BA042.A025	343.93	343.76	0.17	344.40	346.40	**0.47**
BA043.A026	343.53	343.39	0.14	344.50	345.30	**0.97**

Profili di calcolo del Fiume Bormida di Mallare T=500 anni										
ID Sezione	Progressiva [m]	Quota fondo [m slm]	P.L. [m slm]	Q [m^3/s]	□□[m^2]	b [m]	v [m/s]	y [m]	Fr	NOTE
BA000	0.00	483.10	485.83	106	36.01	16.00	2.93	2.73	1.30	
BA001	1.00	483.10	485.82	106	35.87	16.00	2.94	2.72	1.30	BA001.A001
BA001.1	3.80	483.10	485.34	106	28.20	16.00	3.75	2.24	1.31	
BA002	205.79	479.10	482.38	106	30.74	11.80	3.43	3.28	0.68	BA002.A002
BA002.1	207.79	479.10	481.79	106	23.77	11.80	4.44	2.69	1.00	
BA003	422.61	475.30	478.07	106	33.48	14.39	3.15	2.77	1.60	BA003.A003
BA003.1	426.91	475.30	477.75	106	29.06	13.87	3.64	2.45	1.61	
BA004	1491.44	463.81	466.83	112	51.35	37.08	2.13	3.02	0.58	
BA005	1880.91	462.71	464.82	112	19.44	16.85	5.75	2.11	2.49	
BA006	2081.30	453.40	455.55	112	35.74	16.60	3.11	2.15	1.10	BA006.A004
BA006.1	2089.30	453.40	455.32	112	31.80	16.60	3.49	1.92	1.11	
BA007	2221.59	451.50	454.04	112	38.97	17.38	2.85	2.54	0.63	BA007.A005
BA007.1	2224.19	451.50	453.86	112	35.78	17.09	3.17	2.36	0.83	
BA008	2645.22	446.95	450.94	185	108.04	159.67	3.73	3.99	1.59	
BA009	3028.25	442.50	446.12	185	70.85	19.60	2.64	3.62	0.44	BA009.A006
BA009.1	3038.25	442.50	445.36	185	56.12	19.60	3.33	2.86	0.64	
BA010	3140.82	441.23	444.89	221	112.32	148.00	2.57	3.66	0.77	
BA011	3671.11	436.80	439.95	221	93.27	70.53	2.73	3.15	0.76	
BA013	4627.57	430.44	434.04	221	71.39	46.31	3.30	3.60	1.09	
BA014	7421.37	407.25	410.30	221	109.85	64.50	2.29	3.05	0.56	BA014.A008
BA014.1	7427.77	407.25	409.60	221	65.20	40.19	3.60	2.35	0.82	
BA015	8164.07	398.37	402.98	328	90.08	36.65	2.74	4.61	1.08	
BA016	9231.02	392.10	397.00	328	136.17	27.80	2.41	4.90	0.41	BA016.A009
BA016.1	9242.02	392.10	396.83	328	131.44	27.80	2.42	4.73	0.51	
BA017	9501.52	390.70	395.93	328	77.94	14.90	3.78	5.23	0.53	BA017.A010
BA017.1	9504.12	390.70	394.57	328	57.66	14.90	5.10	3.87	0.83	
BA018	9784.74	387.94	391.47	328	75.75	38.32	3.88	3.53	1.32	

Profili di calcolo del Fiume Bormida di Mallare T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA019	10249.82	382.28	386.30	328	169.04	115.90	2.05	4.02	0.53	
BA020	10612.00	381.80	385.12	328	116.31	35.00	2.52	3.32	0.44	BA020.A011
BA020.1	10616.50	381.80	384.75	328	103.39	35.00	2.84	2.95	0.64	
BA021	11073.03	379.40	382.90	328	91.19	29.67	3.24	3.50	0.62	BA021.A012
BA021.1	11080.03	379.40	382.71	328	85.61	29.28	3.43	3.31	0.66	
BA022	11306.27	378.02	381.27	328	96.60	78.76	6.37	3.25	2.87	
BA023	11494.68	374.93	379.04	328	155.89	56.53	1.89	4.11	0.37	BA023.A013
BA023.1	11504.68	374.93	379.01	328	154.13	56.48	1.91	4.08	0.38	
BA024	11585.67	374.77	378.59	328	89.26	41.76	3.47	3.82	1.39	BA024.A014
BA024.1	11594.07	374.77	378.45	328	84.93	40.78	3.65	3.68	1.40	
BA025	11663.03	374.25	378.07	328	101.54	26.60	2.89	3.82	0.47	BA025.A015
BA025.1	11675.03	374.25	377.98	328	99.19	26.60	2.96	3.73	0.60	
BA026	11857.22	373.05	377.37	328	100.28	30.53	2.92	4.32	0.56	BA026.A016
BA026.1	11860.12	373.05	376.65	328	79.14	28.08	3.77	3.60	0.74	
BA027	11893.45	372.81	376.68	328	161.55	85.89	1.98	3.87	0.56	BA027.A017
BA027.1	11903.45	372.81	376.64	328	158.33	82.63	2.02	3.83	0.54	
BA028	11969.53	372.85	376.29	328	103.89	44.46	3.42	3.44	2.13	BA028.A018
BA028.1	11979.53	372.85	376.22	328	101.12	43.21	3.43	3.37	2.15	
BA029	11990.19	372.23	376.30	328	140.26	61.72	3.93	4.07	2.00	BA029.A019
BA029.1	11998.19	372.23	376.27	328	137.87	61.72	3.93	4.04	2.01	
BA030	12979.36	368.40	372.82	328	198.80	45.00	1.47	4.42	0.23	BA030.A020
BA030.1	12982.86	368.40	371.37	328	133.83	45.00	2.18	2.97	0.61	
BA032	13570.32	364.62	368.24	328	74.43	32.16	3.91	3.62	1.05	
BA033	14019.42	359.38	364.33	364	140.00	51.95	2.18	4.95	0.44	
BA034	14364.66	359.20	363.78	364	172.45	44.90	2.18	4.58	0.36	BA034.A022
BA034.1	14375.66	359.20	363.75	364	170.50	44.90	2.19	4.55	0.47	
BA035	14597.23	357.43	363.04	364	150.13	110.67	3.11	5.61	0.77	
BA036	15051.67	355.33	360.70	364	211.80	151.50	3.16	5.37	0.64	

Profili di calcolo del Fiume Bormida di Mallare T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BA037	15487.10	353.86	357.78	364	100.44	56.17	3.12	3.92	0.76	
CONFL_CP	15617.00	352.86	356.89	369	107.22	56.63	2.94	4.03	0.70	
BA038	15889.84	351.60	355.79	388	124.55	40.00	2.57	4.19	1.27	BA038.A023
BA038.1	15893.14	351.60	355.21	388	101.43	40.00	3.17	3.61	1.29	
BA039	16479.97	347.50	352.14	388	139.06	30.00	2.36	4.64	0.36	BA039.A024
BA039.1	16487.97	347.50	352.08	388	137.39	30.00	2.40	4.58	0.37	
CONFL_FE	16515.00	347.33	352.01	476	158.58	62.10	2.36	4.68	0.54	
BA040	16597.27	347.08	351.37	476	133.84	54.21	3.35	4.29	0.71	
BA041	17446.51	341.76	346.54	476	132.76	43.60	3.35	4.78	0.87	
BA042	18058.54	339.00	344.28	476	158.45	30.00	2.81	5.28	0.39	BA042.A025
BA042.1	18071.54	339.00	344.05	476	151.50	30.00	2.94	5.05	0.42	
BA043	18098.54	338.80	343.80	476	117.44	23.50	3.79	5.00	0.54	BA043.A026
BA043.1	18101.54	338.80	343.63	476	113.58	23.50	3.92	4.83	0.57	
BA044	18366.66	337.27	342.22	514	143.98	80.71	3.75	4.95	1.77	
BA045	18717.49	334.27	339.15	514	209.66	111.14	2.84	4.88	0.56	

Attraversamenti Fiume Bormida di Mallare T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BA001.A001	485.82	485.34	0.48	486.90	487.50	1.08
BA002.A002	482.38	481.79	0.59	482.60	482.90	**0.22**
BA003.A003	478.07	477.75	0.32	478.60	479.40	**0.53**
BA006.A004	455.55	455.32	0.23	455.90	457.70	**0.35**
BA007.A005	454.04	453.86	0.18	453.85	454.30	**-0.19**
BA009.A006	446.12	445.36	0.76	447.20	447.60	1.08
BA014.A008	410.30	409.60	0.70	414.55	415.55	4.25
BA016.A009	397.00	396.83	0.17	395.80	396.50	**-1.20**
BA017.A010	395.93	394.57	1.36	394.00	394.30	**-1.93**
BA020.A011	385.12	384.75	0.37	386.00	387.20	**0.88**
BA021.A012	382.90	382.71	0.19	382.10	383.30	**-0.80**
BA023.A013	379.04	379.01	0.03	382.60	384.30	3.56
BA024.A014	378.59	378.45	0.14	381.00	382.00	2.41
BA025.A015	378.07	377.98	0.09	378.25	380.25	**0.18**
BA026.A016	377.37	376.65	0.72	377.15	377.45	**-0.22**
BA027.A017	376.68	376.64	0.04	379.45	381.45	2.77
BA028.A018	376.29	376.22	0.07	378.90	379.17	2.61
BA029.A019	376.30	376.27	0.03	377.50	379.20	1.20
BA030.A020	372.82	371.37	1.45	372.30	373.10	**-0.52**
BA034.A022	363.78	363.75	0.03	363.70	364.70	**-0.08**
BA038.A023	355.79	355.21	0.58	356.80	358.30	1.01
BA039.A024	352.14	352.08	0.06	356.30	358.80	4.16
BA042.A025	344.28	344.05	0.23	344.40	346.40	**0.12**
BA043.A026	343.80	343.63	0.17	344.50	345.30	**0.70**

Profili di calcolo del Rio Merlino T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ME001	0.00	469.60	470.66	27	8.24	7.80	3.28	1.06	1.02	
ME002	39.95	468.10	469.28	27	12.99	11.00	2.08	1.18	0.61	ME002.A002
ME002.1	48.35	468.10	469.14	27	10.82	10.40	2.49	1.04	0.78	
ME003	143.35	465.00	467.41	27	25.06	10.40	1.08	2.41	0.22	

Attraversamenti Rio Merlino T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ME002.A002	469.28	469.14	0.14	471.20	472.20	1.92

Profili di calcolo del Rio Merlino T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ME001	0.00	469.60	470.86	35	9.82	7.80	3.56	1.26	1.01	
ME002	39.95	468.10	469.51	35	15.46	11.00	2.26	1.41	0.61	ME002.A002
ME002.1	48.35	468.10	469.35	35	12.96	10.40	2.70	1.25	0.77	
ME003	143.35	465.00	467.69	35	27.98	10.40	1.25	2.69	0.24	

Attraversamenti Rio Merlino T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ME002.A002	469.51	469.35	0.16	471.20	472.20	1.69

Profili di calcolo del Rio Merlino T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
ME001	0.00	469.60	471.03	42	11.13	7.80	3.77	1.43	1.01	
ME002	39.95	468.10	469.69	42	17.44	11.00	2.41	1.58	0.61	ME002.A002
ME002.1	48.35	468.10	469.47	42	14.29	10.40	2.94	1.37	0.80	
ME003	143.35	465.00	467.69	42	27.98	10.40	1.50	2.69	0.29	

Attraversamenti Rio Merlino T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
ME002.A002	469.69	469.47	0.21	471.20	472.20	1.51

Profili di calcolo del Rio Biterno T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BI001	0.00	477.80	479.04	41	12.37	10.00	3.33	1.24	0.95	
BI002	338.48	467.80	469.54	41	18.31	10.50	2.25	1.74	0.60	BI002.A002
BI002.1	340.48	467.80	469.46	41	16.56	10.00	2.49	1.66	0.69	
CONFL_ME	510.00	465.00	467.41	67	24.40	19.73	2.41	2.41	0.72	
BI003	593.94	463.59	466.06	67	25.46	20.06	2.66	2.47	0.97	
BI004	1011.60	457.84	460.27	78	24.09	14.62	3.08	2.43	0.88	
BI006	1354.52	452.20	454.85	78	26.20	9.90	3.04	2.65	0.60	BI006.A003
BI006.1	1369.72	452.20	454.73	78	25.07	9.90	3.17	2.53	0.64	
BI007	1762.62	446.95	449.81	78	28.31	9.90	2.81	2.86	0.53	

Attraversamenti Rio Biterno T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BI002.A002	469.54	469.46	0.09	470.70	470.90	1.16
BI006.A003	454.85	454.73	0.11	455.90	456.90	1.05

Profili di calcolo del Rio Biterno T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BI001	0.00	477.80	479.31	56	15.07	10.00	3.68	1.51	0.97	
BI002	338.48	467.80	469.91	56	22.15	10.50	2.50	2.11	0.61	BI002.A002
BI002.1	340.48	467.80	469.80	56	19.99	10.00	2.78	2.00	0.69	
CONFL_ME	510.00	465.00	467.69	90	30.09	21.12	2.62	2.69	0.74	
BI003	593.94	463.59	466.36	90	31.68	21.32	2.85	2.77	0.97	
BI004	1011.60	457.84	460.93	108	35.16	24.03	3.28	3.09	0.88	
BI006	1354.52	452.20	455.57	108	33.32	9.90	3.42	3.37	0.60	BI006.A003
BI006.1	1369.72	452.20	455.41	108	31.78	9.90	3.58	3.21	0.65	
BI007	1762.62	446.95	450.88	108	38.91	9.90	2.75	3.93	0.44	

Attraversamenti Rio Biterno T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BI002.A002	469.91	469.80	0.11	470.70	470.90	**0.99**
BI006.A003	455.57	455.41	0.16	455.90	456.90	**0.33**

Profili di calcolo del Rio Biterno T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
BI001	0.00	477.80	479.49	65	16.86	10.00	3.88	1.69	0.97	
BI002	338.48	467.80	470.14	65	24.61	10.50	2.66	2.34	0.60	BI002.A002
BI002.1	340.48	467.80	470.02	65	22.17	10.00	2.95	2.22	0.69	
CONFL_ME	510.00	465.00	467.85	106	33.53	21.56	2.77	2.85	0.74	
BI003	593.94	463.59	466.52	106	35.33	21.77	3.01	2.93	0.97	
BI004	1011.60	457.84	461.11	126	39.87	24.73	3.40	3.27	0.89	
BI006	1354.52	452.20	455.93	126	36.97	9.90	3.41	3.73	0.58	BI006.A003
BI006.1	1369.72	452.20	455.73	126	34.91	9.90	3.61	3.53	0.64	
BI007	1762.62	446.95	450.88	126	38.91	9.90	3.24	3.93	0.52	

Attraversamenti Rio Biterno T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
BI002.A002	470.14	470.02	0.13	470.70	470.90	**0.56**
BI006.A003	455.93	455.73	0.21	455.90	456.90	**-0.03**

Profili di calcolo del Torrente Cappelletta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CP001	0.00	366.80	368.58	25	8.88	5.00	3.14	1.78	0.80	
CP002	490.06	357.10	359.39	25	13.54	5.90	1.85	2.29	0.53	CP002.A002
CP003	574.10	355.50	357.19	25	9.97	5.90	2.51	1.69	0.62	
CP004	651.00	352.86	356.39	25	20.83	5.90	1.20	3.53	0.20	

Attraversamenti Torrente Cappelletta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CP002.A002	359.39	357.19	-	360.90	361.40	1.51

Profili di calcolo del Torrente Cappelletta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CP001	0.00	366.80	369.08	35	11.41	5.00	3.40	2.28	0.76	
CP002	490.06	357.10	360.01	35	17.17	5.90	2.04	2.91	0.50	CP002.A002
CP003	574.10	355.50	357.58	35	12.27	5.90	2.85	2.08	0.63	
CP004	651.00	352.86	356.69	35	22.60	5.90	1.55	3.83	0.25	

Attraversamenti Torrente Cappelletta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CP002.A002	360.01	357.58	-	360.90	361.40	**0.89**

Profili di calcolo del Torrente Cappelletta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
CP001	0.00	366.80	369.42	42	13.10	5.00	3.54	2.62	0.73	
CP002	490.06	357.10	360.39	42	19.43	5.90	2.16	3.29	0.47	CP002.A002
CP003	574.10	355.50	357.80	42	13.57	5.90	3.09	2.30	0.65	
CP004	651.00	352.86	356.69	42	22.60	5.90	1.86	3.83	0.30	

Attraversamenti Torrente Cappelletta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
CP002.A002	360.39	357.80	-	360.90	361.40	**0.51**

Profili di calcolo del Torrente Ferranietta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FE001	0.00	379.00	380.59	66	26.25	16.50	2.51	1.59	0.64	
FE002	631.99	371.10	373.73	66	22.61	8.60	2.92	2.63	0.57	FE002.A002
FE002.1	636.79	371.10	373.57	66	20.24	8.20	3.26	2.47	0.66	
FE003	1849.71	353.60	355.53	66	30.92	16.00	2.13	1.93	0.49	FE003.A003
FE003.1	1856.21	353.60	355.48	66	29.35	15.60	2.25	1.88	0.52	
FE004	1859.71	353.40	355.38	66	20.78	10.50	3.18	1.98	0.72	FE004.A004
FE004.1	1868.71	353.40	355.23	66	19.21	10.50	3.44	1.83	0.81	
FE005	2264.42	347.33	351.27	66	61.46	15.60	1.07	3.94	0.17	

Attraversamenti Torrente Ferranietta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FE002.A002	373.73	373.57	0.16	374.10	375.00	**0.37**
FE003.A003	355.53	355.48	0.05	358.10	359.60	2.57
FE004.A004	355.38	355.23	0.15	359.90	360.50	4.52

Profili di calcolo del Torrente Ferranietta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FE001	0.00	379.00	380.97	90	32.48	16.50	2.77	1.97	0.63	
FE002	631.99	371.10	374.37	90	28.11	8.60	3.20	3.27	0.57	FE002.A002
FE002.1	636.79	371.10	374.17	90	25.19	8.20	3.57	3.07	0.65	
FE003	1849.71	353.60	355.99	90	38.32	16.00	2.35	2.39	0.48	FE003.A003
FE003.1	1856.21	353.60	355.93	90	36.41	15.60	2.47	2.33	0.52	
FE004	1859.71	353.40	355.83	90	25.51	10.50	3.53	2.43	0.72	FE004.A004
FE004.1	1868.71	353.40	355.64	90	23.54	10.50	3.82	2.24	0.82	
FE005	2264.42	347.33	351.73	90	68.64	15.60	1.31	4.40	0.20	

Attraversamenti Torrente Ferranietta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FE002.A002	374.37	374.17	0.20	374.10	375.00	**0.63**
FE003.A003	355.99	355.93	0.06	358.10	359.60	2.11
FE004.A004	355.83	355.64	0.19	359.90	360.50	4.07

Profili di calcolo del Torrente Ferranietta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
FE001	0.00	379.00	381.25	108	37.07	16.50	2.91	2.25	0.62	
FE002	631.99	371.10	374.90	108	32.72	8.60	3.30	3.80	0.54	FE002.A002
FE002.1	636.79	371.10	374.60	108	28.70	8.20	3.76	3.50	0.64	
FE003	1849.71	353.60	356.30	108	43.13	16.00	2.50	2.70	0.49	FE003.A003
FE003.1	1856.21	353.60	356.23	108	40.97	15.60	2.64	2.63	0.52	
FE004	1859.71	353.40	356.13	108	28.64	10.50	3.77	2.73	0.73	FE004.A004
FE004.1	1868.71	353.40	355.90	108	26.25	10.50	4.11	2.50	0.83	
FE005	2264.42	347.33	351.73	108	68.64	15.60	1.57	4.40	0.24	

Attraversamenti Torrente Ferranietta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
FE002.A002	374.90	374.60	0.30	374.10	375.00	**-0.80**
FE003.A003	356.30	356.23	0.07	358.10	359.60	1.80
FE004.A004	356.13	355.90	0.23	359.90	360.50	3.77

Profili di calcolo del Torrente Valla T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VA000	0.00	429.40	431.58	50	17.26	7.92	2.87	2.18	0.62	
VA001	10.00	429.35	431.49	50	16.93	7.92	2.93	2.14	0.64	VA001.A001
VA001.1	16.00	429.35	431.30	50	15.45	7.92	3.24	1.95	0.86	
VA002	2457.32	401.03	403.14	68	23.63	16.97	2.77	2.11	0.75	
CONFL_GS	2764.00	397.83	400.25	106	29.24	18.80	3.19	2.42	0.83	
VA003	2923.71	396.20	398.27	106	55.95	27.00	1.93	2.07	0.75	VA003.A002
VA003.1	2928.91	396.20	398.09	106	47.38	25.00	2.28	1.89	0.78	
VA004	2941.25	396.00	398.10	106	55.34	31.04	1.93	2.10	0.50	VA004.A003
VA004.1	2951.25	396.00	397.79	106	46.09	29.94	2.32	1.79	0.63	
VA005	3370.98	392.59	395.69	106	80.86	121.09	2.10	3.10	1.40	
VA006	4322.81	388.37	390.93	106	39.90	22.18	2.66	2.56	0.65	
VA007	5196.89	383.50	386.19	106	44.40	32.12	2.39	2.69	0.65	VA007.A004
VA007.1	5200.99	383.50	386.03	106	39.44	30.67	3.01	2.53	0.77	
VA008	5944.10	376.26	378.94	118	50.97	28.54	2.08	2.68	0.50	
VA009	6396.39	375.10	377.39	118	45.12	19.70	2.70	2.29	0.59	VA009.A005
VA009.1	6400.99	375.10	377.30	118	41.17	18.70	2.94	2.20	0.67	
VA010	6898.69	372.95	374.80	118	33.04	22.46	3.20	1.85	0.84	
VA011	7298.85	368.90	370.62	118	40.69	23.70	2.60	1.72	0.63	VA011.A006
VA011.1	7303.65	368.90	370.47	118	37.13	23.70	2.85	1.57	0.73	
VA012	8201.41	360.73	362.91	118	34.96	25.18	3.02	2.18	0.82	
VA013	8492.05	358.80	360.10	118	45.57	35.00	2.32	1.30	0.66	VA013.A007
VA013.1	8496.35	358.80	360.07	118	44.35	35.00	2.38	1.27	0.68	
VA014	9374.50	351.20	353.74	118	51.08	34.19	2.06	2.54	0.56	
VA015	9620.00	350.30	352.51	118	38.67	27.99	2.72	2.21	0.74	

Attraversamenti Torrente Valla T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VA001.A001	431.49	431.30	0.19	431.85	432.65	**0.36**
VA003.A002	398.27	398.09	0.18	401.00	402.50	2.73
VA004.A003	398.10	397.79	0.31	400.70	402.30	2.60
VA007.A004	386.19	386.03	0.16	384.90	385.30	**-1.29**
VA009.A005	377.39	377.30	0.09	379.70	380.30	2.31
VA011.A006	370.62	370.47	0.15	370.85	371.20	**0.23**
VA013.A007	360.10	360.07	0.03	359.70	360.20	**-0.40**

Profili di calcolo del Torrente Valla T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VA000	0.00	429.40	432.06	68	21.08	7.92	3.23	2.66	0.63	
VA001	10.00	429.35	431.96	68	20.71	7.92	3.29	2.61	0.65	VA001.A001
VA001.1	16.00	429.35	431.78	68	19.25	7.92	3.57	2.43	0.91	
VA002	2457.32	401.03	403.50	93	30.14	19.09	2.97	2.47	0.76	
CONFL_GS	2764.00	397.83	400.69	146	38.10	22.90	3.40	2.86	0.84	
VA003	2923.71	396.20	398.74	146	68.60	27.00	2.13	2.54	0.75	VA003.A002
VA003.1	2928.91	396.20	398.52	146	57.94	25.00	2.52	2.32	0.78	
VA004	2941.25	396.00	398.54	146	69.18	31.40	2.11	2.54	0.48	VA004.A003
VA004.1	2951.25	396.00	398.10	146	55.55	31.05	2.63	2.10	0.71	
VA005	3370.98	392.59	395.87	146	103.93	129.35	2.11	3.28	1.35	
VA006	4322.81	388.37	391.85	146	91.79	131.45	2.91	3.48	0.72	
VA007	5196.89	383.50	386.40	146	51.44	34.06	3.52	2.90	0.92	VA007.A004
VA007.1	5200.99	383.50	386.31	146	48.41	33.24	3.85	2.81	1.06	
VA008	5944.10	376.26	379.35	163	63.19	30.98	2.22	3.09	0.51	
VA009	6396.39	375.10	377.81	163	53.49	19.70	3.05	2.71	0.61	VA009.A005
VA009.1	6400.99	375.10	377.70	163	48.54	18.70	3.35	2.60	0.68	
VA010	6898.69	372.95	375.11	163	40.46	24.66	3.44	2.16	0.86	
VA011	7298.85	368.90	370.93	163	48.18	23.70	2.89	2.03	0.65	VA011.A006
VA011.1	7303.65	368.90	370.76	163	44.12	23.70	3.16	1.86	0.75	
VA012	8201.41	360.73	363.19	163	42.31	27.09	3.29	2.46	0.84	
VA013	8492.05	358.80	360.37	163	54.93	35.00	2.53	1.57	0.66	VA013.A007
VA013.1	8496.35	358.80	360.31	163	52.75	35.00	2.63	1.51	0.69	
VA014	9374.50	351.20	354.11	163	64.80	41.15	2.13	2.91	0.56	
VA015	9620.00	350.30	352.87	163	49.73	35.13	2.77	2.57	0.74	

Attraversamenti Torrente Valla T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VA001.A001	431.96	431.78	0.18	431.85	432.65	**-0.11**
VA003.A002	398.74	398.52	0.22	401.00	402.50	2.26
VA004.A003	398.54	398.10	0.44	400.70	402.30	2.16
VA007.A004	386.40	386.31	0.09	384.90	385.30	**-1.50**
VA009.A005	377.81	377.70	0.11	379.70	380.30	1.89
VA011.A006	370.93	370.76	0.17	370.85	371.20	**-0.08**
VA013.A007	360.37	360.31	0.06	359.70	360.20	**-0.67**

Profili di calcolo del Torrente Valla T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
VA000	0.00	429.40	432.39	81	23.65	7.92	3.44	2.99	0.64	
VA001	10.00	429.35	432.29	81	23.26	7.92	3.50	2.94	0.65	VA001.A001
VA001.1	16.00	429.35	432.10	81	21.81	7.92	3.75	2.75	0.93	
VA002	2457.32	401.03	403.76	111	35.43	20.91	3.04	2.73	0.77	
CONFL_GS	2764.00	397.83	401.18	174	55.34	49.41	3.45	3.35	0.86	
VA003	2923.71	396.20	398.97	174	74.79	27.00	2.36	2.77	0.75	VA003.A002
VA003.1	2928.91	396.20	398.70	174	63.01	25.00	2.79	2.50	0.80	
VA004	2941.25	396.00	398.74	174	75.43	31.40	2.32	2.74	0.52	VA004.A003
VA004.1	2951.25	396.00	398.29	174	61.41	31.35	2.84	2.29	0.65	
VA005	3370.98	392.59	395.97	174	116.60	130.14	2.12	3.38	1.39	
VA006	4322.81	388.37	391.98	174	108.64	146.08	2.91	3.61	0.74	
VA007	5196.89	383.50	386.63	174	59.67	35.00	5.36	3.13	1.34	VA007.A004
VA007.1	5200.99	383.50	386.56	174	56.58	35.00	5.50	3.06	1.40	
VA008	5944.10	376.26	379.75	194	76.62	36.52	2.30	3.49	0.51	
VA009	6396.39	375.10	378.19	194	60.90	19.70	3.31	3.09	0.62	VA009.A005
VA009.1	6400.99	375.10	378.06	194	55.35	18.70	3.65	2.96	0.69	
VA010	6898.69	372.95	375.38	194	47.28	26.35	3.64	2.43	0.87	
VA011	7298.85	368.90	371.24	194	55.35	23.70	3.11	2.34	0.65	VA011.A006
VA011.1	7303.65	368.90	371.04	194	50.65	23.70	3.40	2.14	0.75	
VA012	8201.41	360.73	363.55	194	53.68	36.49	3.31	2.82	0.85	
VA013	8492.05	358.80	360.63	194	63.93	35.00	2.69	1.83	0.66	VA013.A007
VA013.1	8496.35	358.80	360.53	194	60.47	35.00	2.84	1.73	0.70	
VA014	9374.50	351.20	354.40	194	76.06	46.43	2.26	3.20	0.57	
VA015	9620.00	350.30	353.11	194	59.32	39.57	2.89	2.81	0.75	

Attraversamenti Torrente Valla T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
VA001.A001	432.29	432.10	0.19	431.85	432.65	**-0.44**
VA003.A002	398.97	398.70	0.27	401.00	402.50	2.03
VA004.A003	398.74	398.29	0.45	400.70	402.30	1.96
VA007.A004	386.63	386.56	0.07	384.90	385.30	**-1.73**
VA009.A005	378.19	378.06	0.13	379.70	380.30	1.51
VA011.A006	371.24	371.04	0.20	370.85	371.20	**-0.39**
VA013.A007	360.63	360.53	0.10	359.70	360.20	**-0.93**

Profili di calcolo del Rio Giusvalletta T=50 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GS001	0.00	411.10	413.09	44	15.91	8.00	3.23	1.99	0.79	
GS002	622.13	403.60	405.01	44	23.18	16.40	2.09	1.41	0.57	GS002.A002
GS002.1	626.13	403.60	404.85	44	20.46	16.40	2.61	1.25	1.61	
GS003	1020.56	398.10	400.75	44	30.29	15.50	1.53	2.65	0.35	GS003.A003
GS003.1	1025.46	398.10	400.73	44	29.95	15.50	1.55	2.63	0.36	
GS004	1139.51	397.83	400.25	44	26.71	15.50	1.65	2.42	0.40	

Attraversamenti Rio Giusvalletta T=50 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GS002.A002	405.01	404.85	0.16	407.20	408.00	2.19
GS003.A003	400.75	400.73	0.02	401.10	402.10	**0.35**

Profili di calcolo del Rio Giusvalletta T=200 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GS001	0.00	411.10	413.56	60	19.64	8.00	3.44	2.46	0.75	
GS002	622.13	403.60	405.35	60	28.67	16.40	2.22	1.75	0.56	GS002.A002
GS002.1	626.13	403.60	405.13	60	25.09	16.40	3.01	1.53	1.99	
GS003	1020.56	398.10	401.17	60	36.85	15.50	1.63	3.07	0.34	GS003.A003
GS003.1	1025.46	398.10	401.15	60	36.42	15.50	1.65	3.05	0.34	
GS004	1139.51	397.83	400.69	60	33.53	15.50	1.79	2.86	0.39	

Attraversamenti Rio Giusvalletta T=200 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GS002.A002	405.35	405.13	0.22	407.20	408.00	1.85
GS003.A003	401.17	401.15	0.02	401.10	402.10	**-0.07**

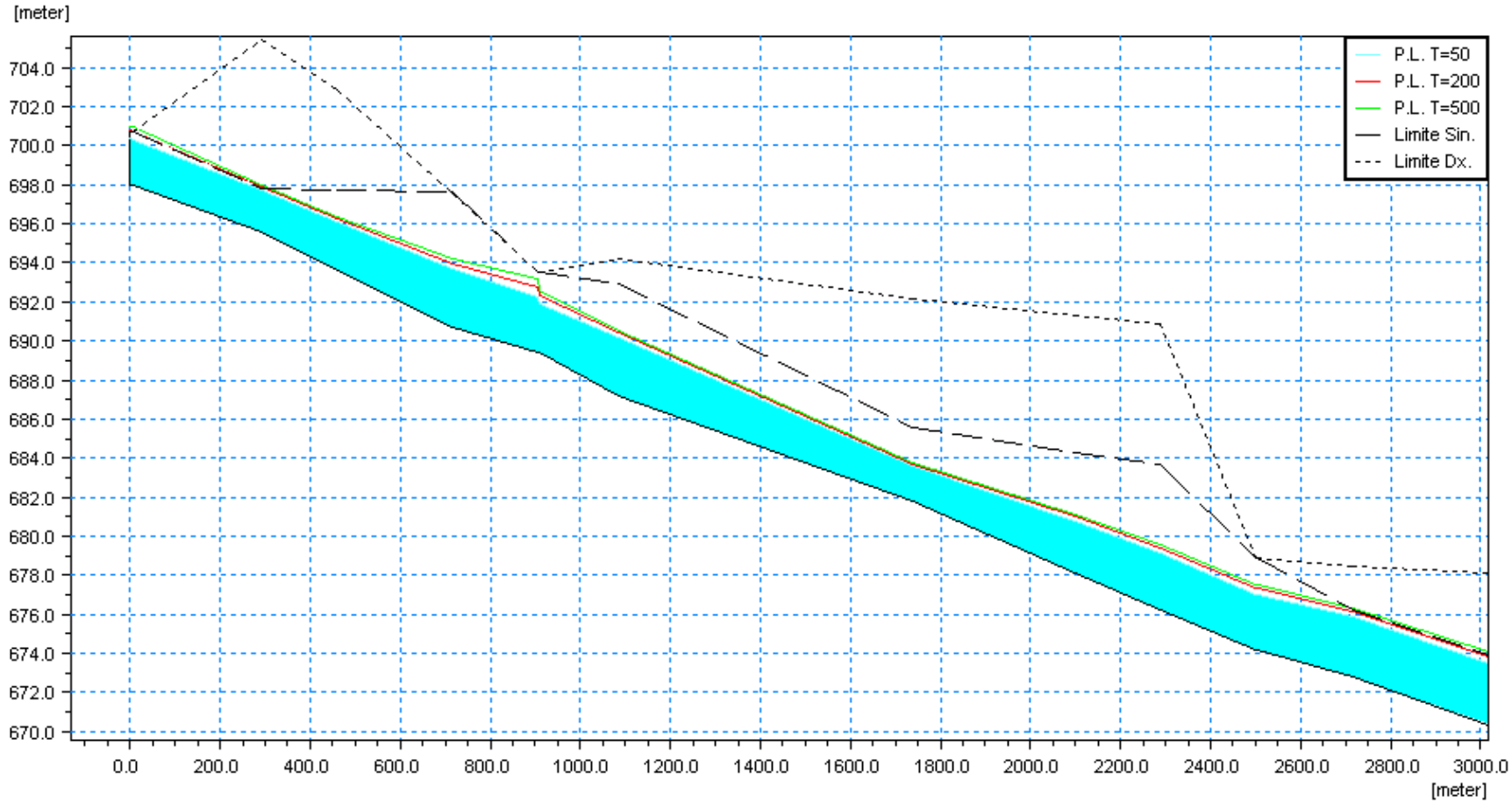
Profili di calcolo del Rio Giusvalletta T=500 anni										
ID Sezione	**Progressiva [m]**	**Quota fondo [m slm]**	**P.L. [m slm]**	**Q [m^3/s]**	**□□[m^2]**	**b [m]**	**v [m/s]**	**y [m]**	**Fr**	**NOTE**
GS001	0.00	411.10	413.88	72	22.26	8.00	3.58	2.78	0.72	
GS002	622.13	403.60	405.57	72	32.33	16.40	2.29	1.97	0.56	GS002.A002
GS002.1	626.13	403.60	405.32	72	28.15	16.40	3.40	1.72	2.17	
GS003	1020.56	398.10	401.36	72	39.77	15.50	1.81	3.26	0.36	GS003.A003
GS003.1	1025.46	398.10	401.30	72	38.83	15.50	1.85	3.20	0.37	
GS004	1139.51	397.83	400.69	72	33.53	15.50	2.15	2.86	0.47	

Attraversamenti Rio Giusvalletta T=500 anni						
Codice	**P.L. monte [m slm]**	**P.L. valle [m slm]**	**Sovralzo [m]**	**Intradosso [m slm]**	**Estradosso [m slm]**	**Franco [m]**
GS002.A002	405.57	405.32	0.25	407.20	408.00	1.63
GS003.A003	401.36	401.30	0.06	401.10	402.10	**-0.26**

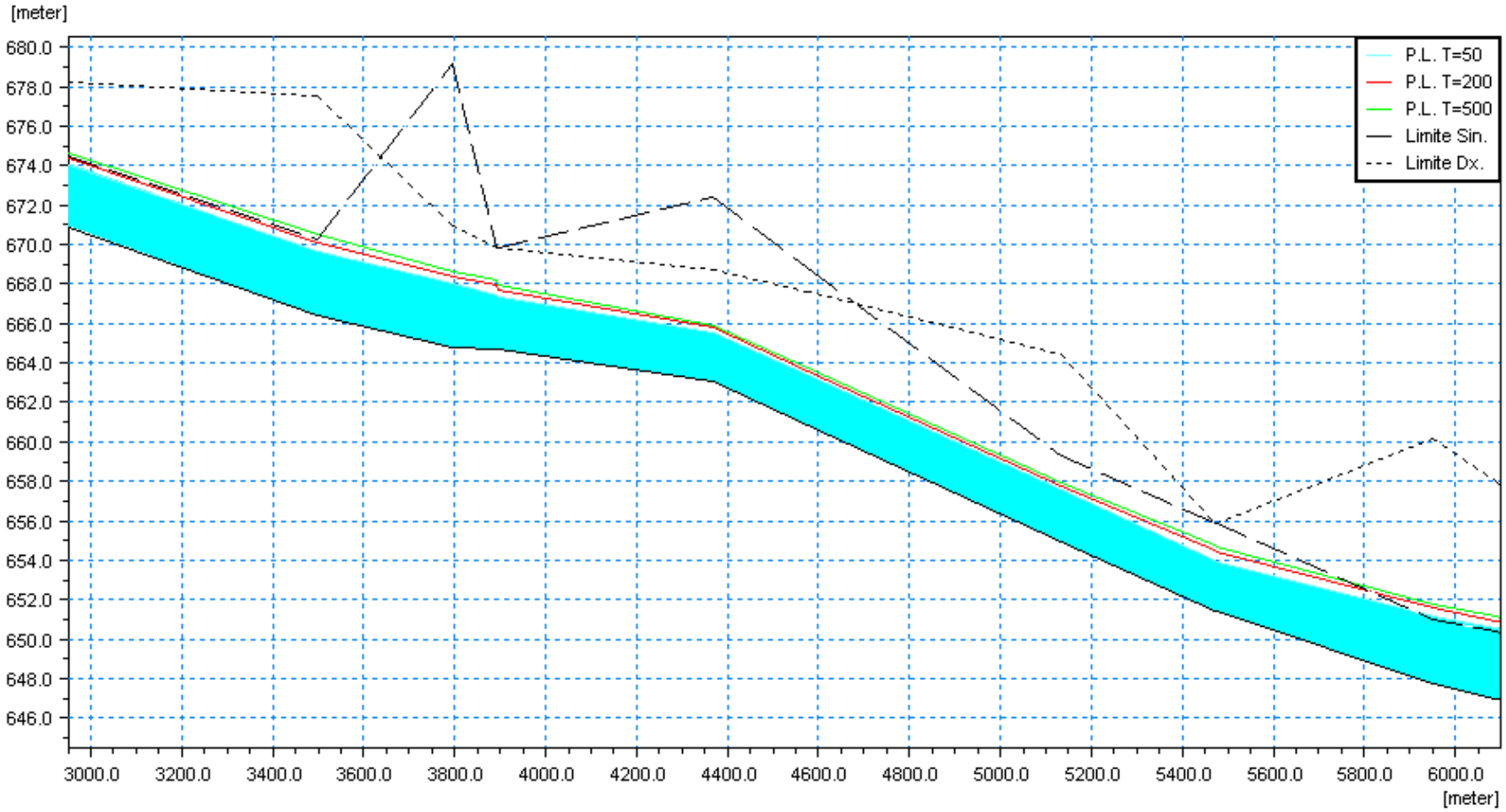
ALLEGATO 2.2

Profili idraulici longitudinali

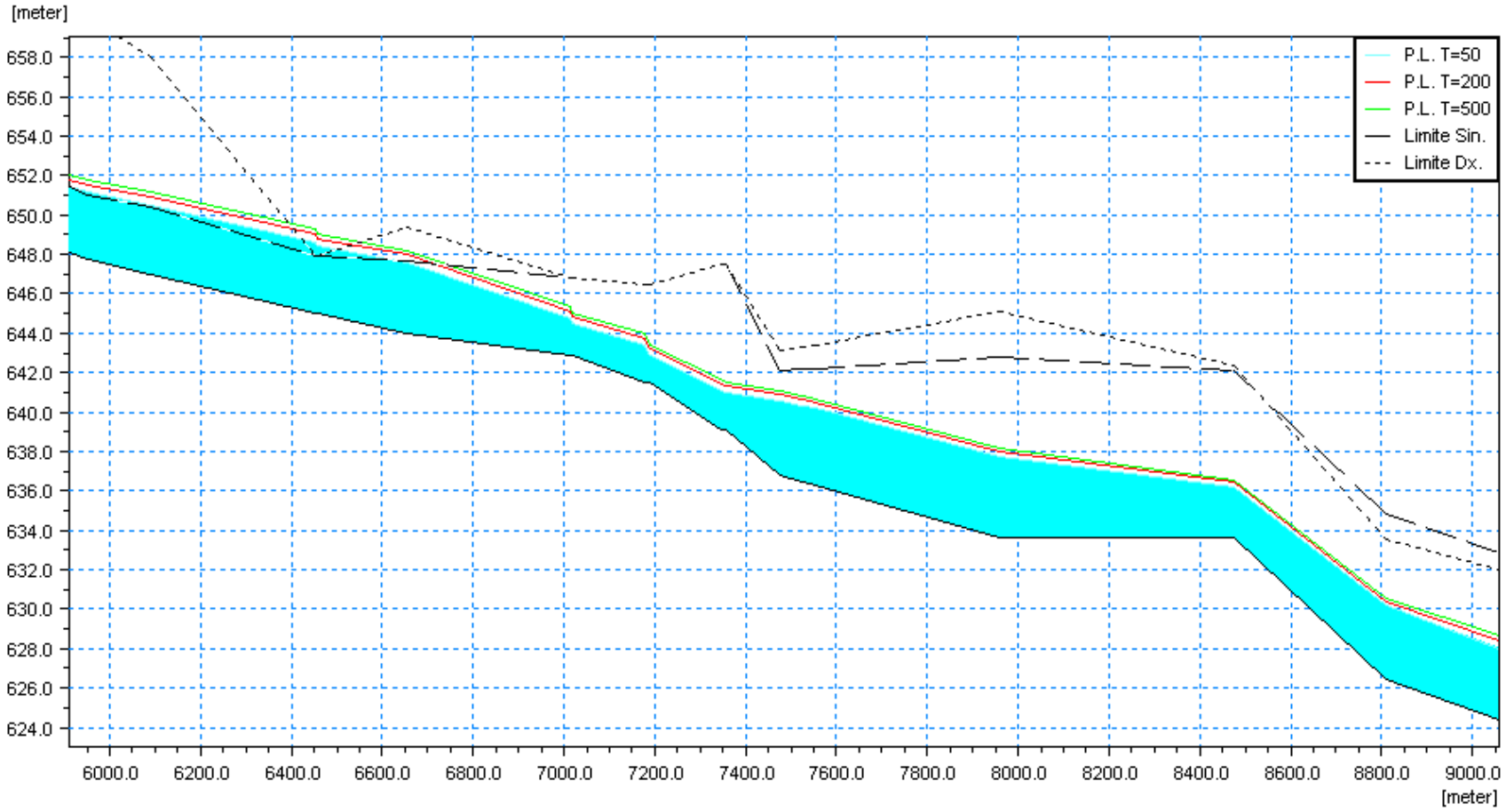
BORMIDA DI MILLESIMO



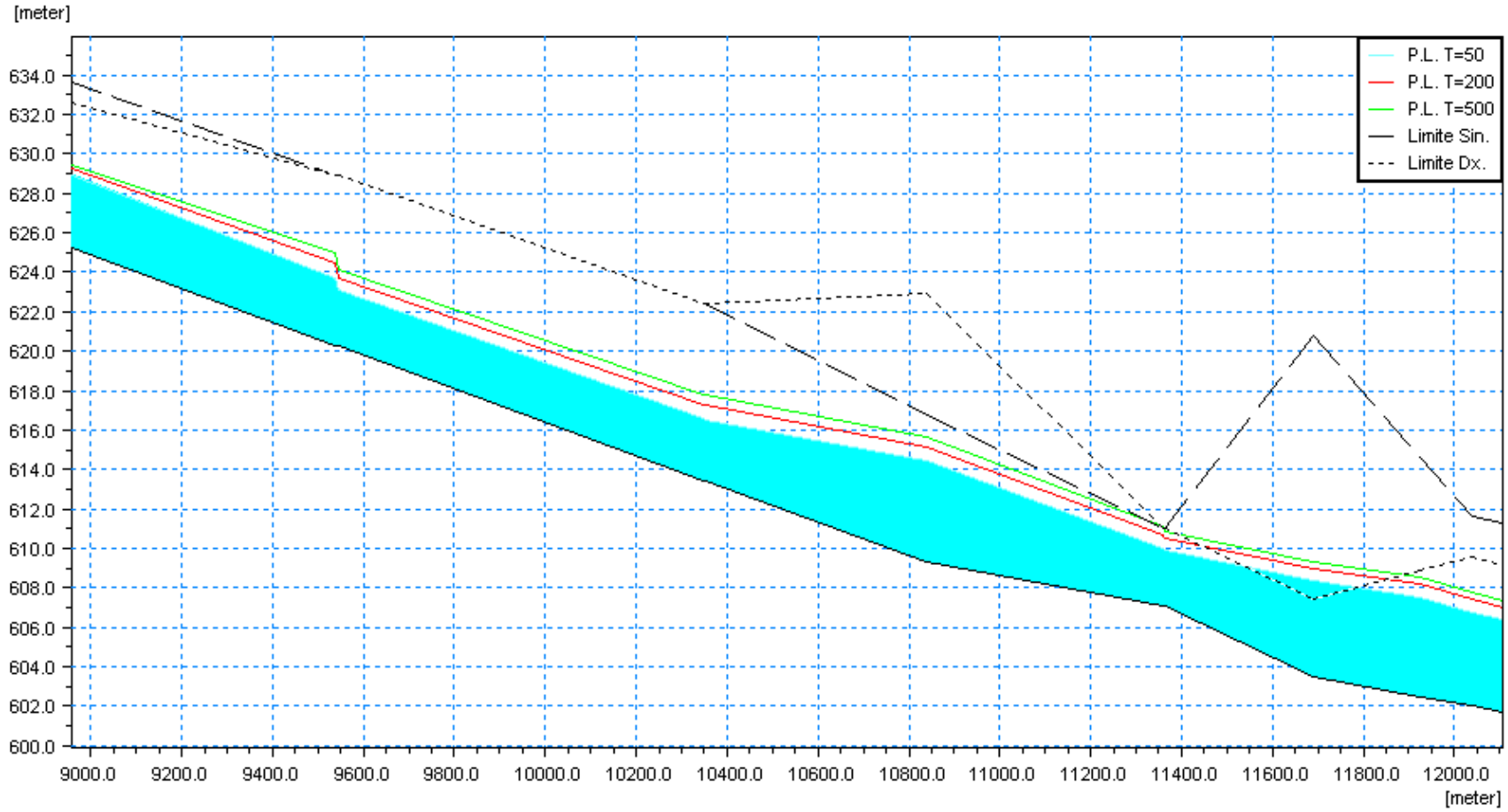
ID Sezione	Progressiva
BM000	0.00
BM002	290.71
	460.00
BM003	717.81
BM004	905.66
BM005	1082.67
BM006	1736.68
	2100.00
BM007	2288.18
BM008	2501.17
BM009	2715.25



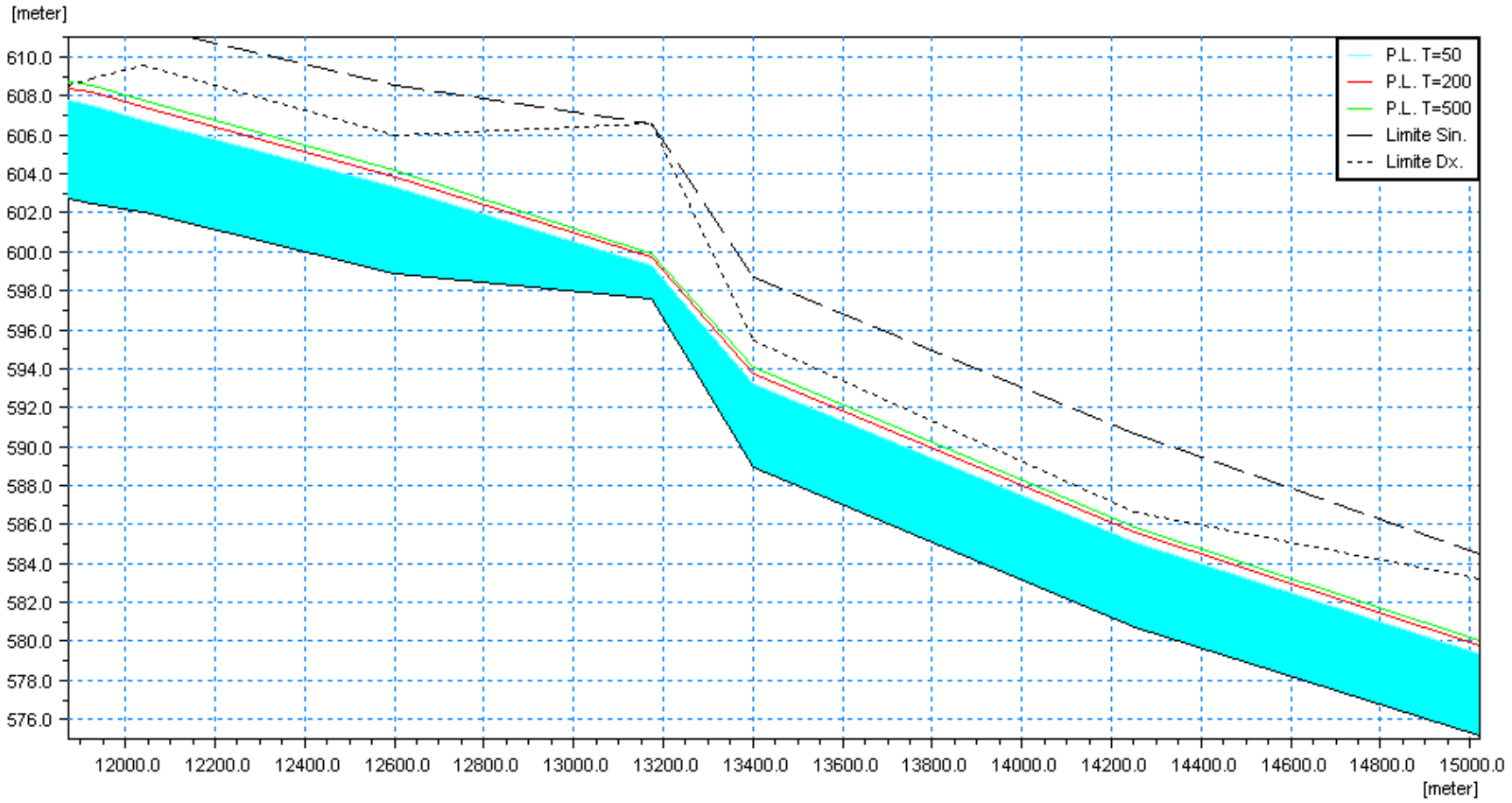
ID Sezione	BM010	BM011	BM013		BM014	BM015	BM016	
Progressiva	3497.47	3793.60	4366.40	4575.00	5132.22	5472.97	5951.38	6090.00



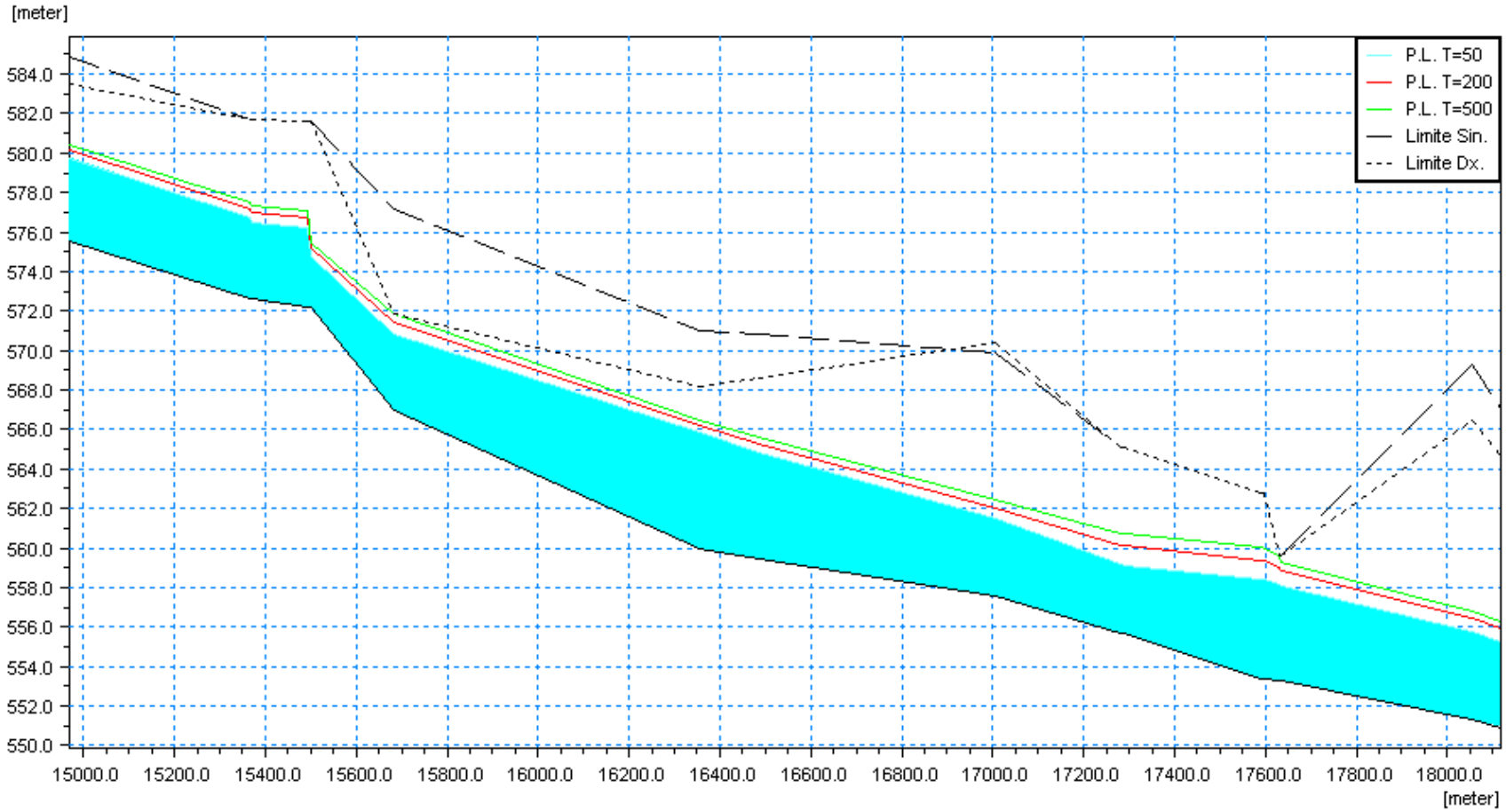
ID Sezione	Progressiva
BM016	5951.38
	6090.00
BM017	6452.64
BM018	6653.40
BM019	7014.90
BM020	7179.33
BM021	7344.36
BM022	7475.47
BM023	7956.88
BM024	8474.71
BM025	8811.65



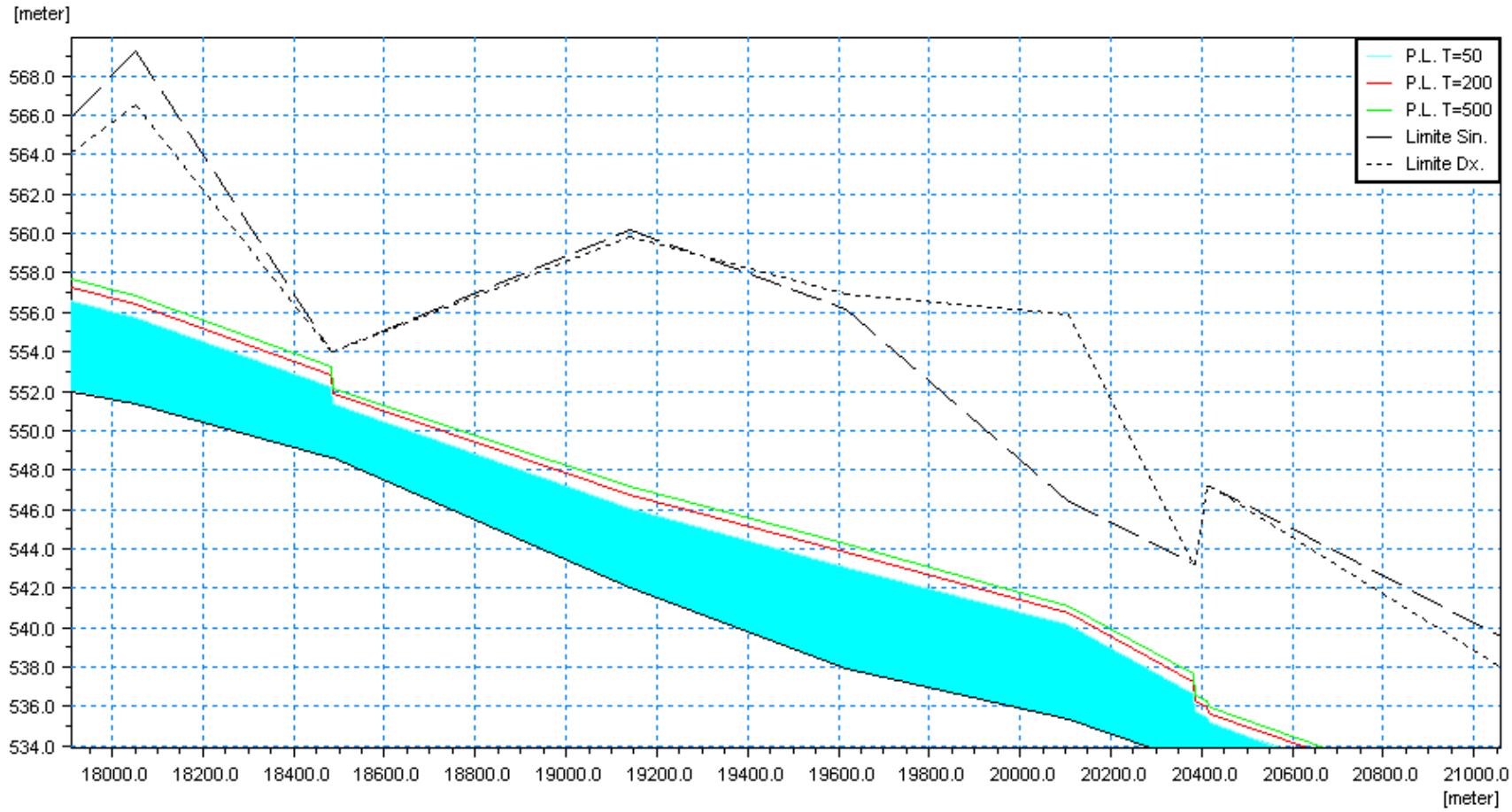
ID Sezione	BM026	BM027	BM028	BM029	BM030	CONFL_VE	BM031
Progressiva	9539.81	10347.54	10840.46	11360.19	11688.64	11926.00	12041.01



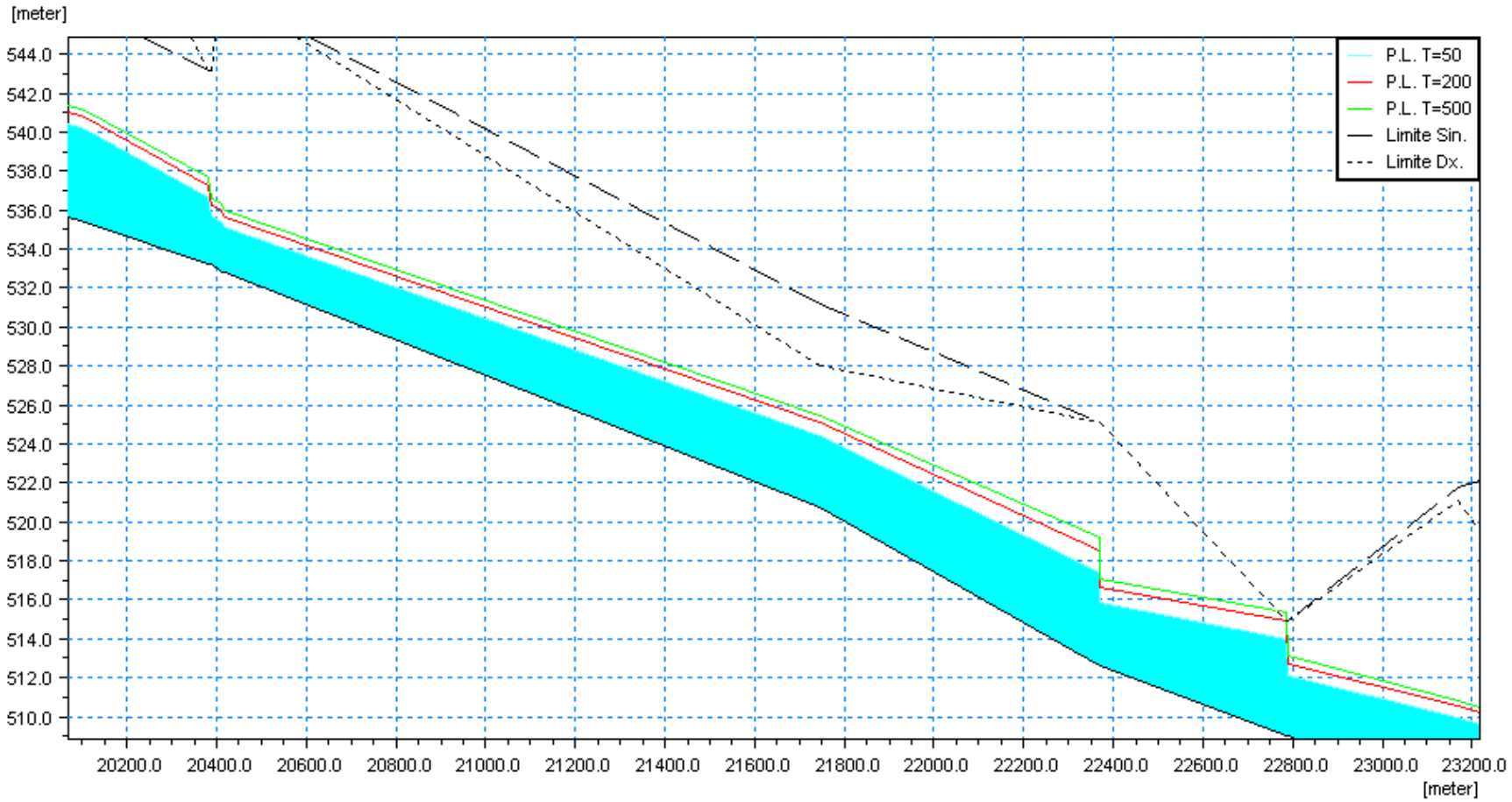
ID Sezione	CONFL_VE	BM031		BM032.1		
Progressiva	11926.00	12041.01	12600.00	13172.38	13400.00	14253.00



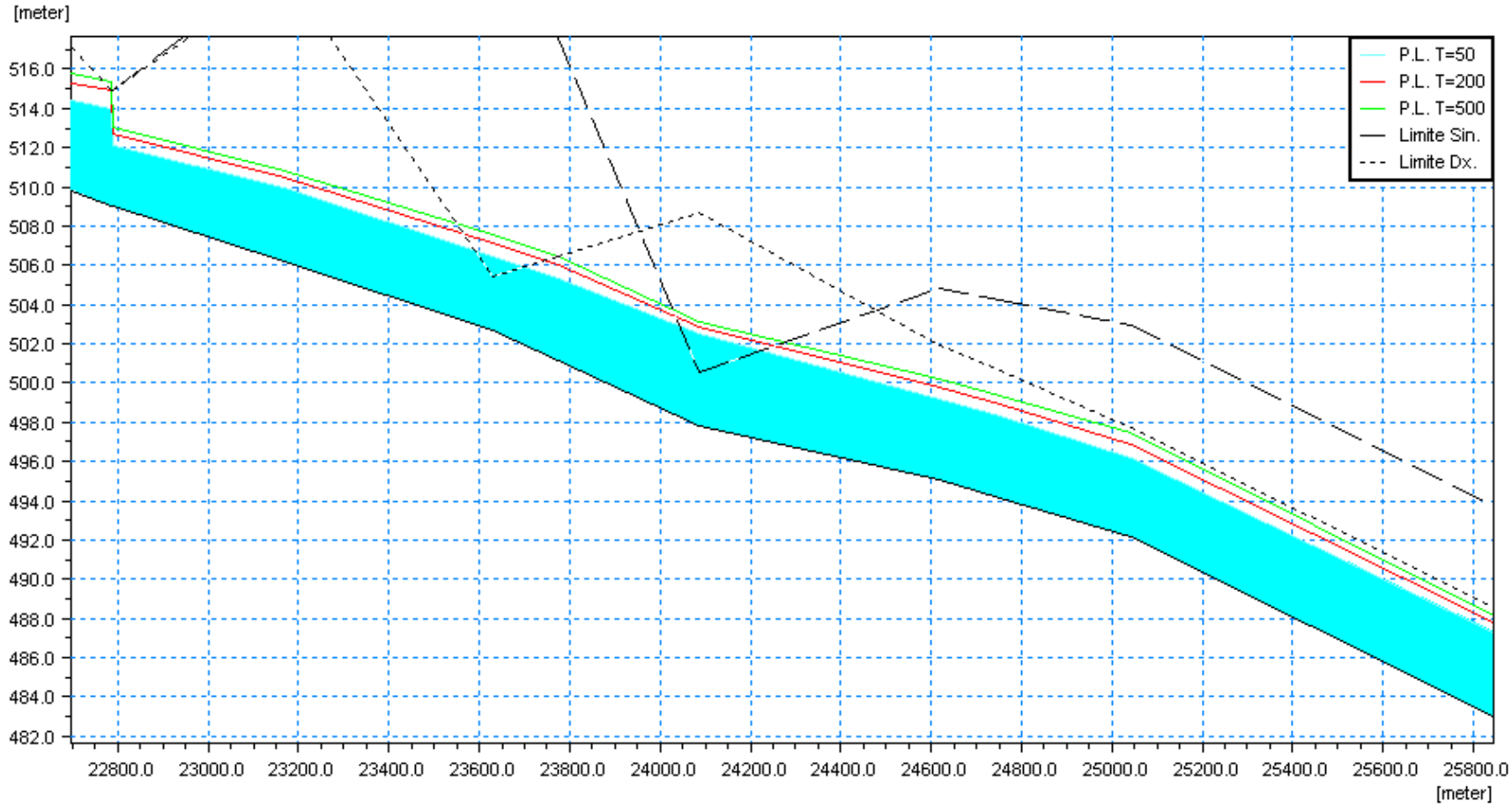
ID Sezione	Progressiva
BM033	15365.30
BM034	15491.41
BM035	15681.58
BM036	16356.65
BM037	16487.37
BM038	17006.00
BM039	17281.40
BM040	17589.72
BM042	18053.01



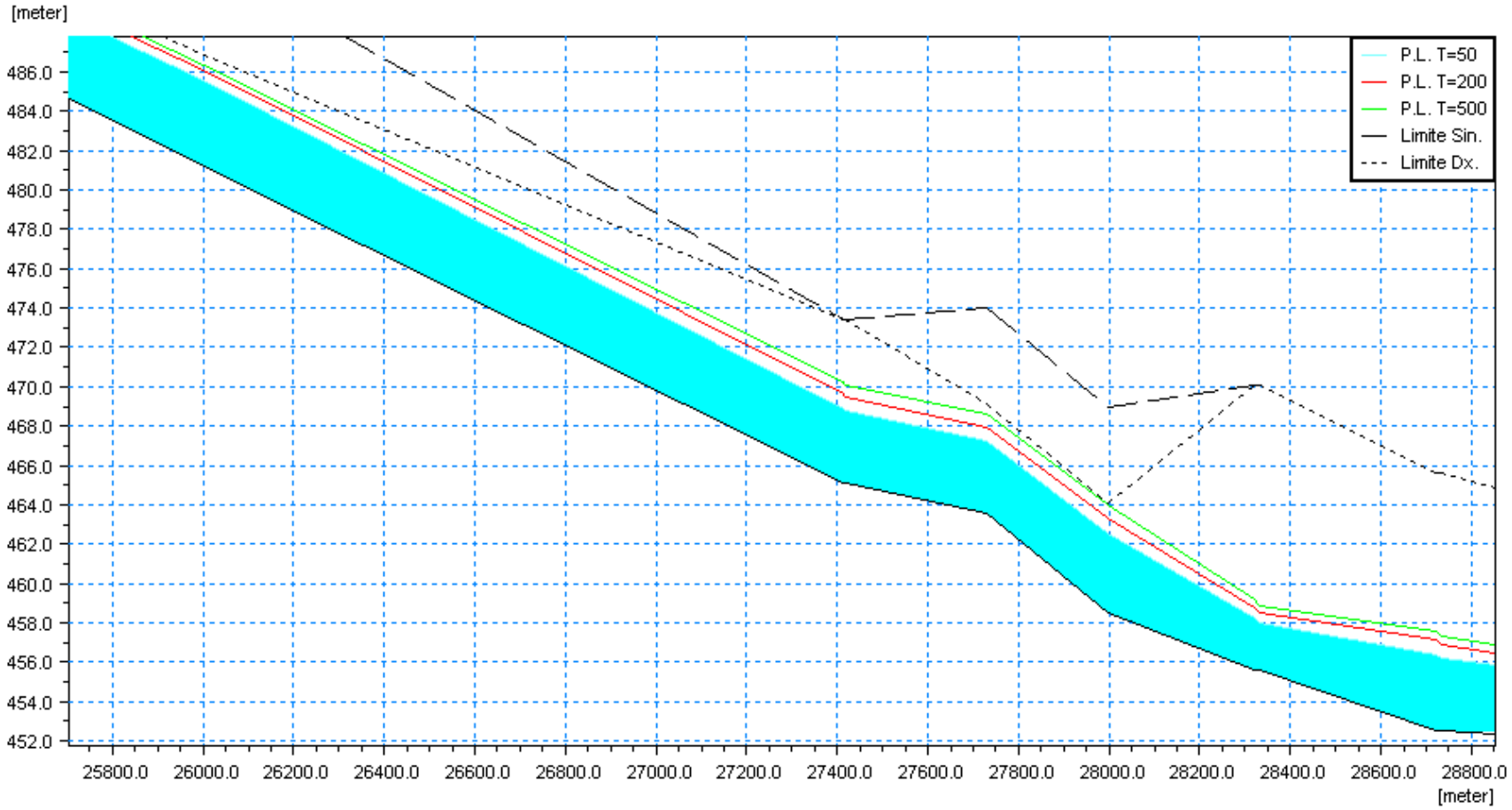
ID Sezione	BM042	BM043		BM044	BM045	BM047.1
Progressiva	18053.01	18483.91	19140.00	19617.71	20106.53	20418.95



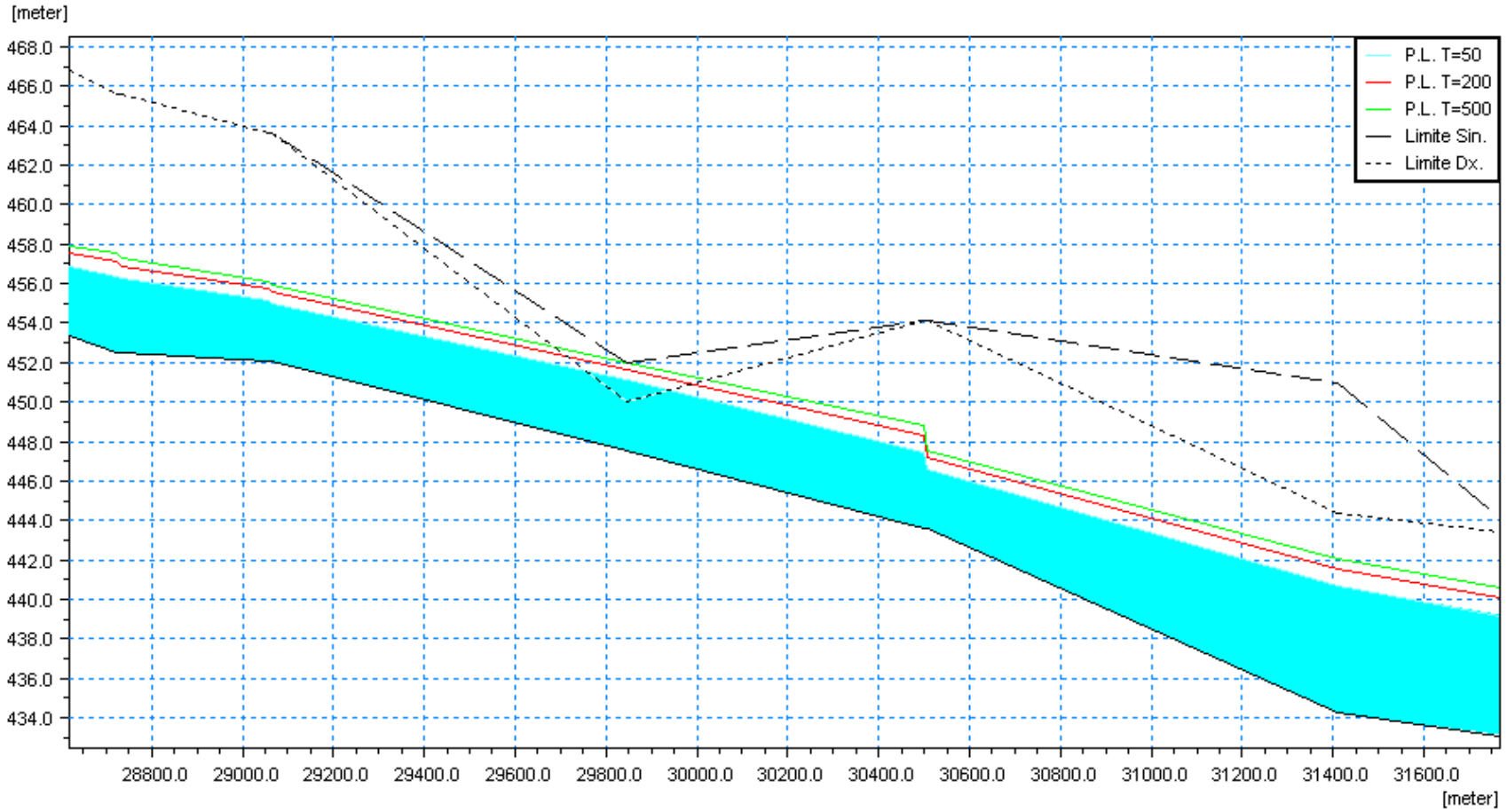
ID Sezione	BM045	BM046	BM048	BM049	BM050	BM051
Progressiva	20106.53	20381.43	21747.17	22368.49	22785.27	23170.10



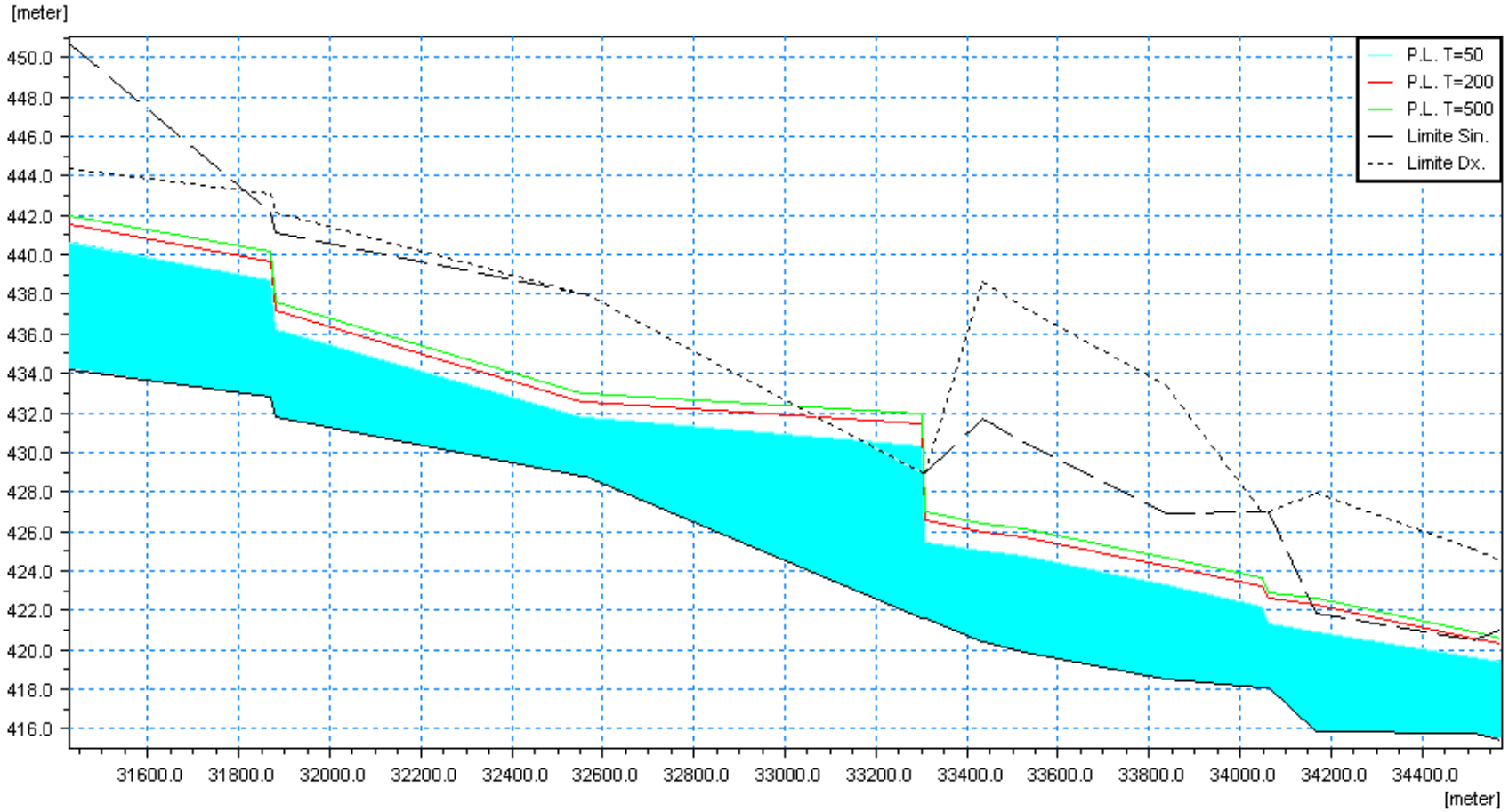
ID Sezione	BM050	BM051	BM052	BM053	BM054	BM055	BM056	BM057
Progressiva	22785.27	23170.10	23628.25	23775.53	24086.54	24617.74	24751.61	25041.56



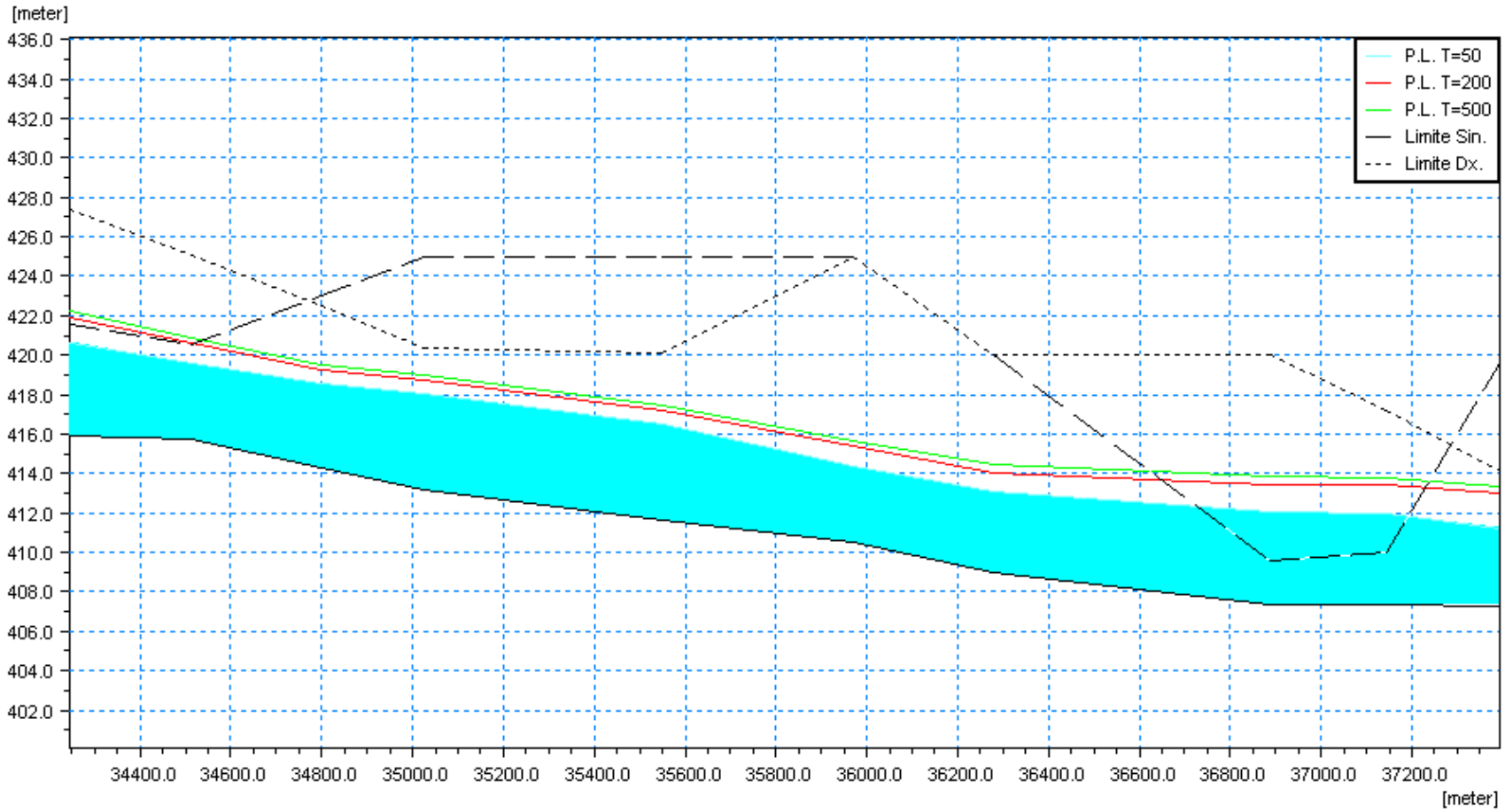
ID Sezione		BM058	CONFL_OS	BM059	BM060	BM061.1
Progressiva	26000.00	27414.63	27731.00	27996.88	28321.66	28732.45



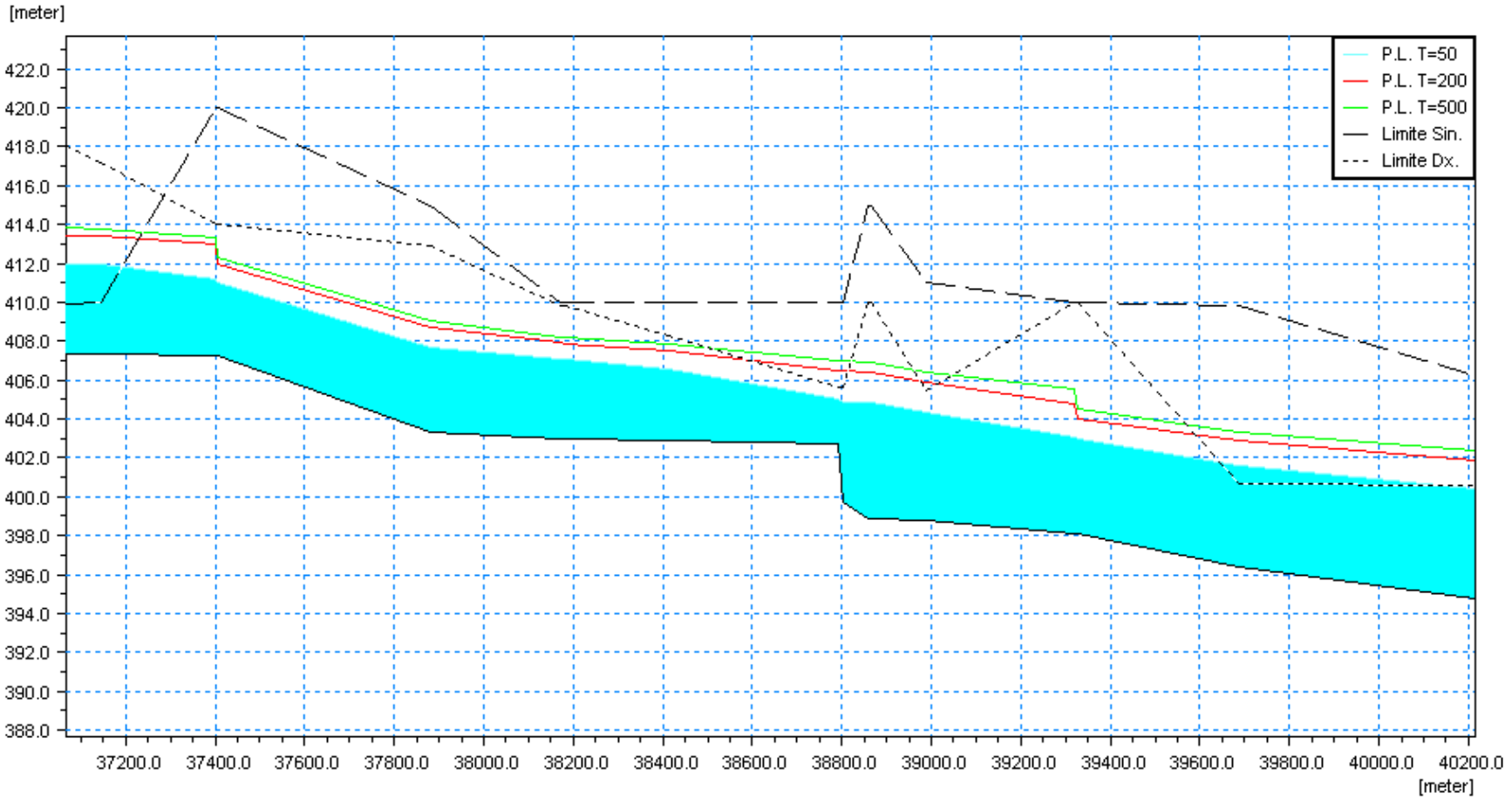
ID Sezione	BM061	BM062	BM063	BM064	BM065
Progressiva	28722.25	29058.66	29845.27	30498.79	31410.30



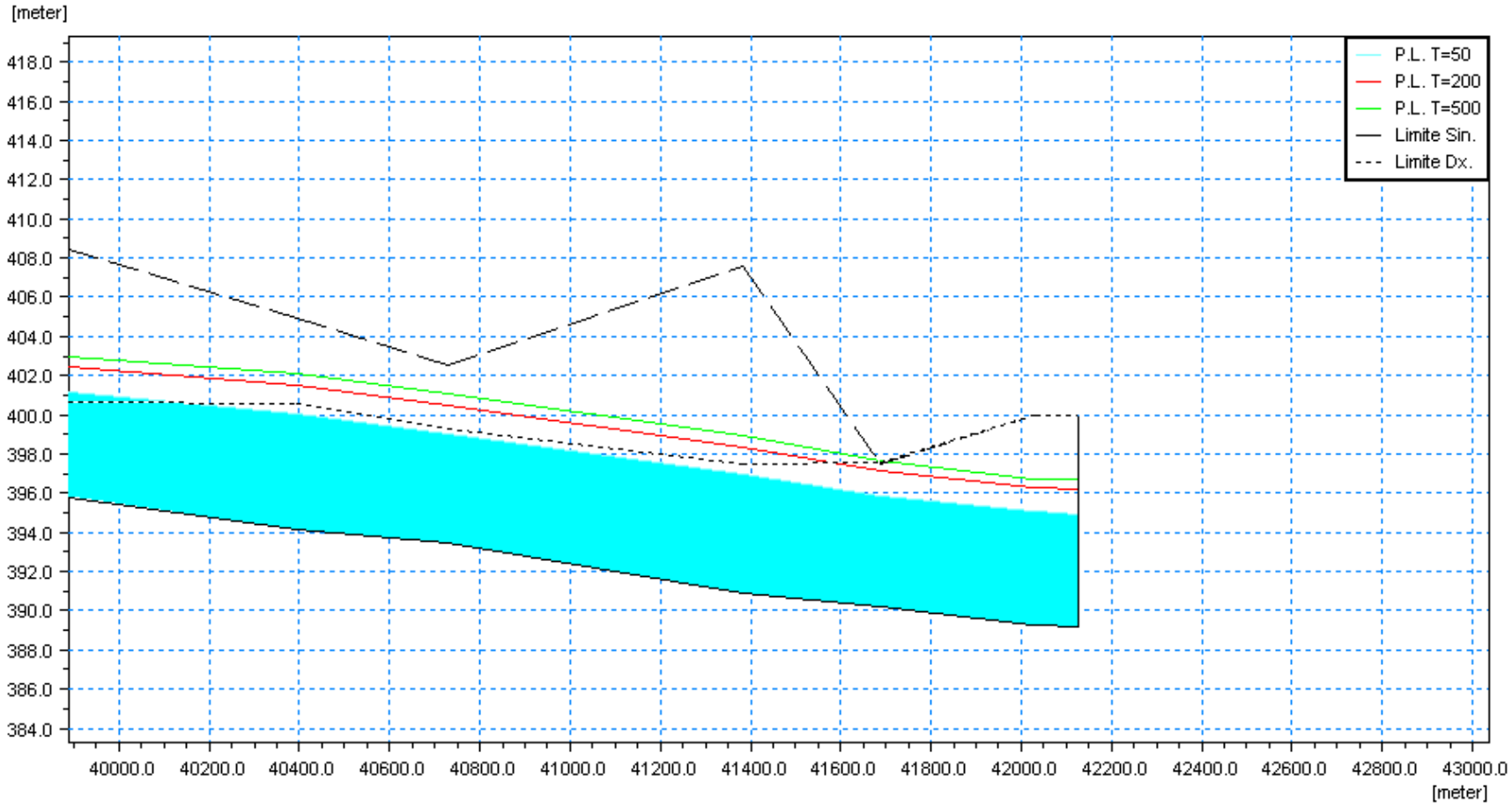
ID Sezione	DM	BM066	T M	BM067	BM069	BM070	BM071	BM072
Progressiva	31870.00	32554.72	33300.00	33434.89	33837.65	34049.31	34167.88	34513.99



ID Sezione	BM072	CONFL_ZE	BM073	BM074	BM075	BM076	BM077	BM078
Progressiva	34513.99	34800.00	35024.69	35549.69	35970.69	36277.69	36886.69	37145.69

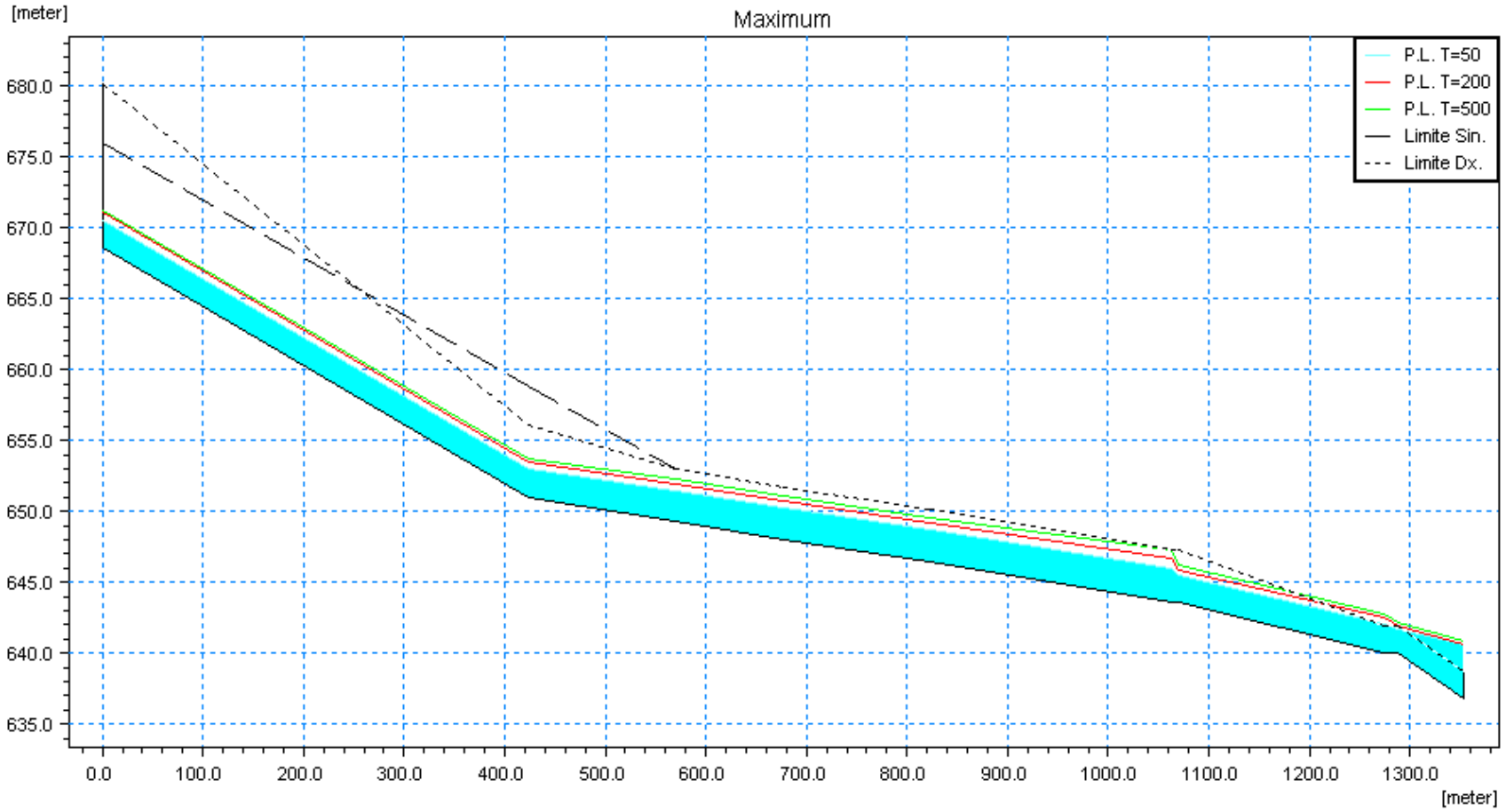


ID Sezione	BM078	BM079	BM080	BM081	BM082	BM083	BM085	BM086	BM087
Progressiva	37145.69	37401.69	37882.69	38172.34	38412.34	38792.34	38988.14	39320.71	39688.71



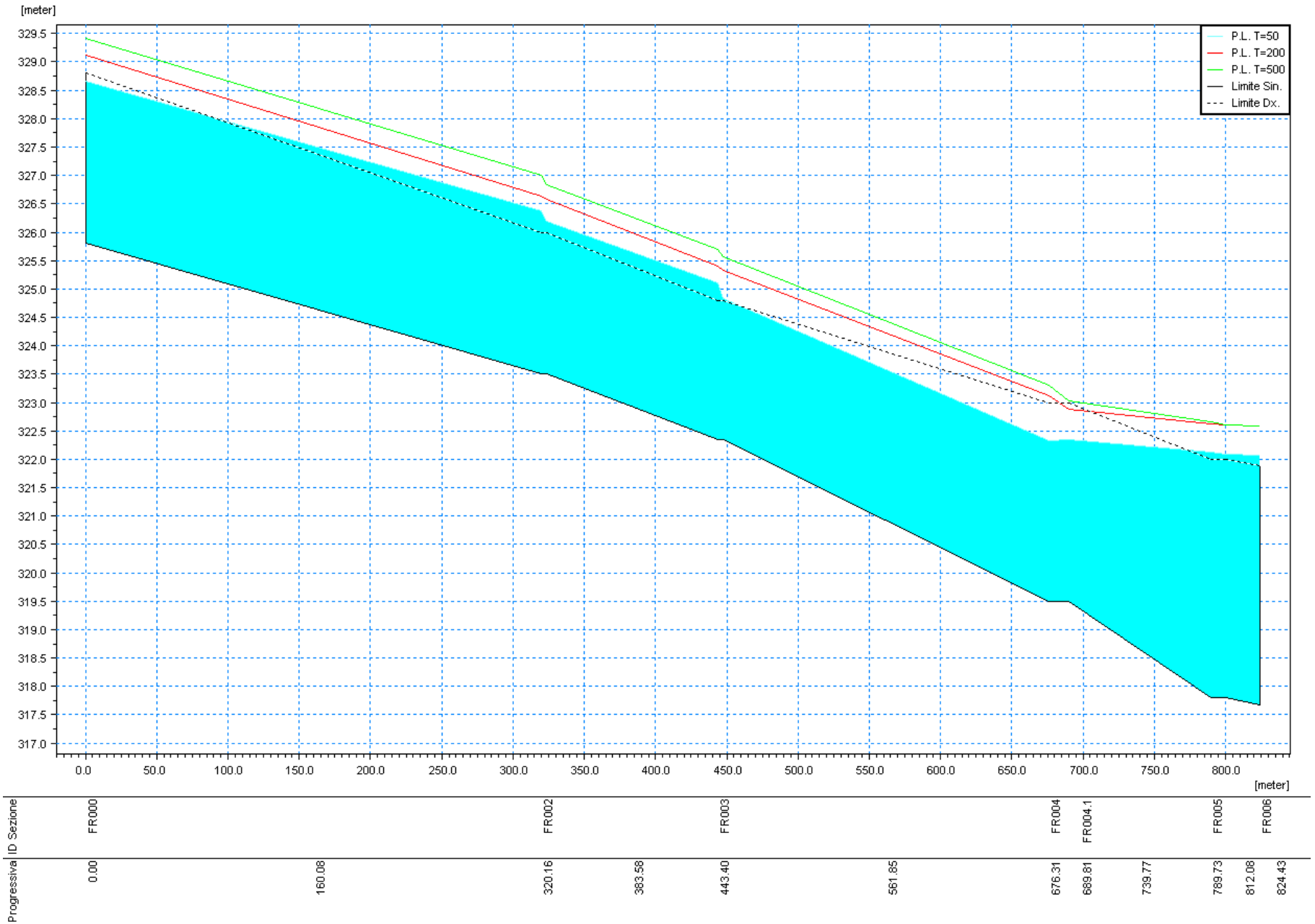
Progressiva	ID Sezione
40392.71	BM088
40727.71	BM089
41382.71	BM090
41687.71	BM091
42128.19	BM093

RIO VALLE



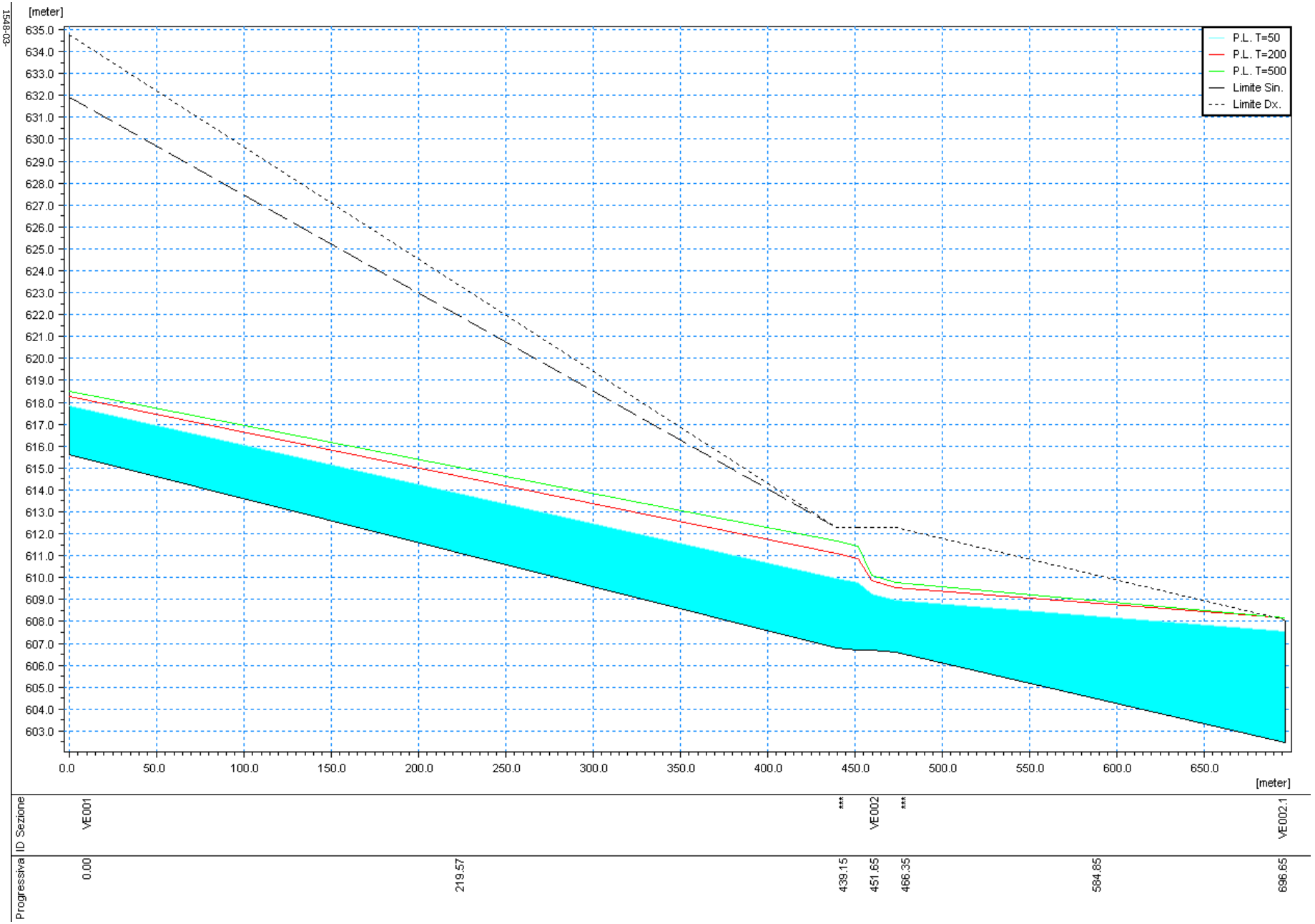
ID Sezione	VL001	VL002	VL003	VL004	VL005	VL006	VL007	VL008
Progressiva	0.00	423.59	570.15	676.62	822.74	1062.49	1274.17	1354.00

TORRENTE FRASSINO



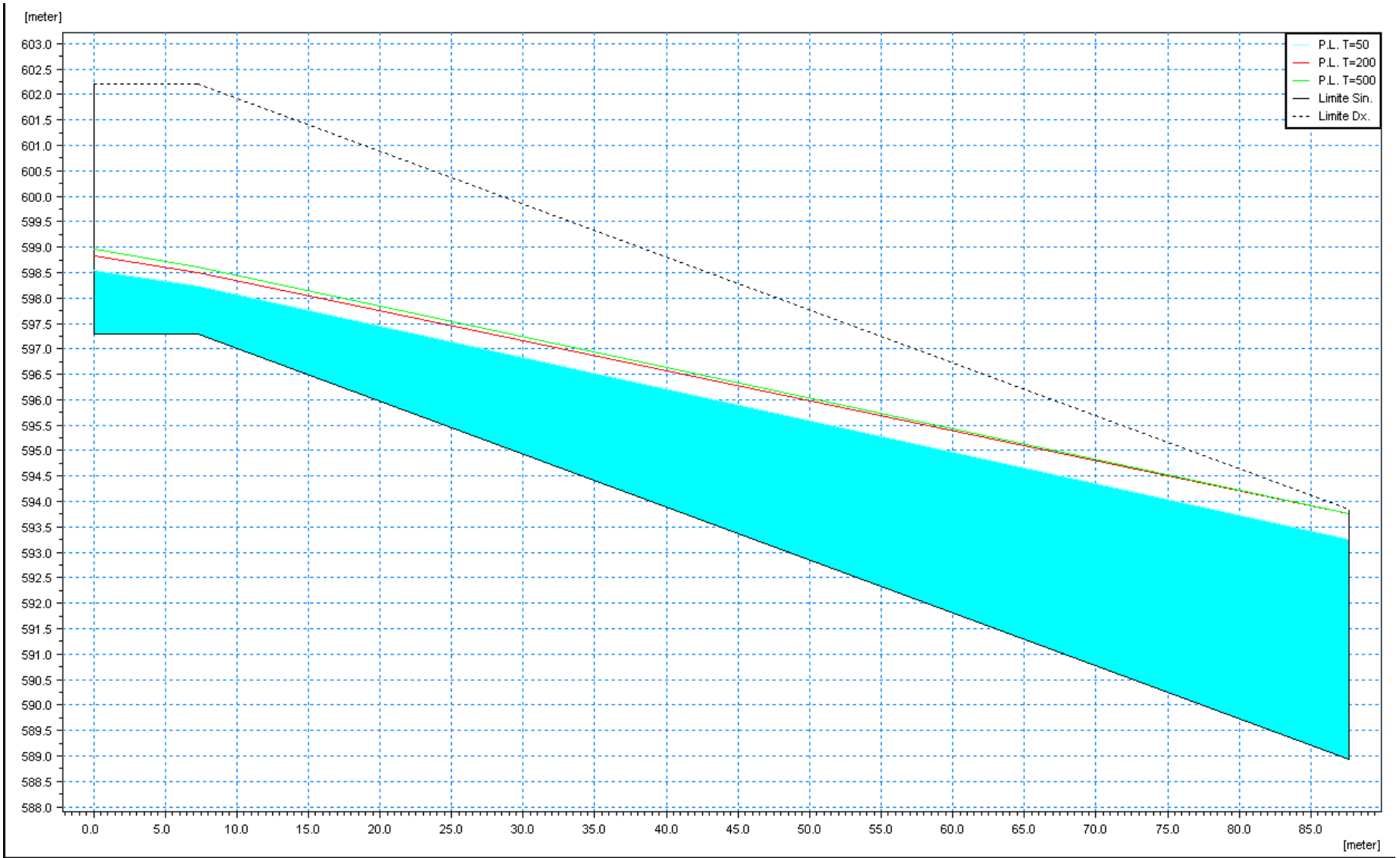
ID Sezione	FR000	FR002	FR003	FR004	FR004.1	FR005	FR006
Progressiva	0.00	160.08	320.16	383.58	443.40	561.85	676.31	689.81	739.77	789.73	812.08	824.43

RIO DI VETRIA



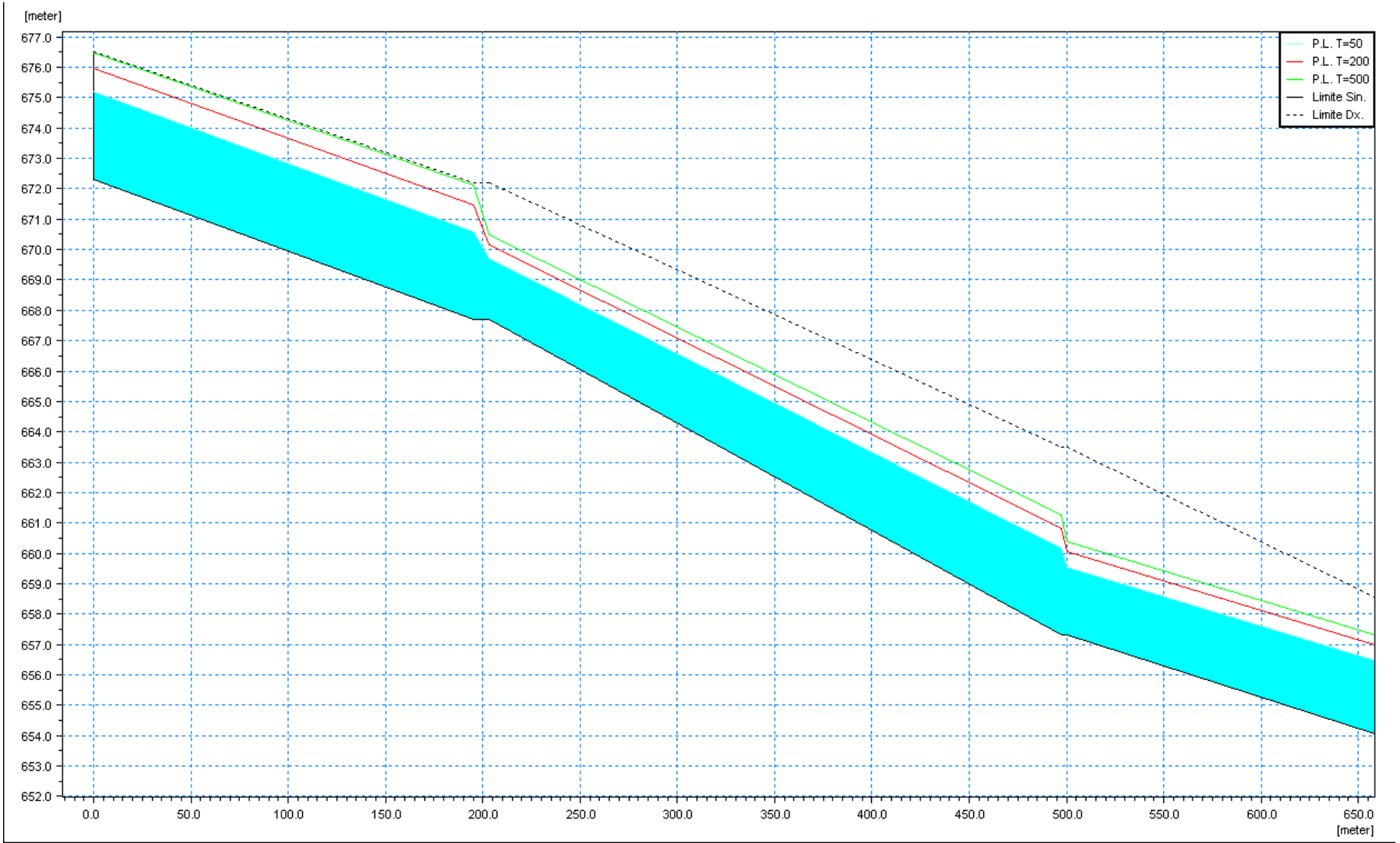
ID Sezione	VE001	***	VE002	***	VE002.1
Progressiva	0.00	219.57	439.15	451.65	466.35	584.85	696.65

RIO SIONDO



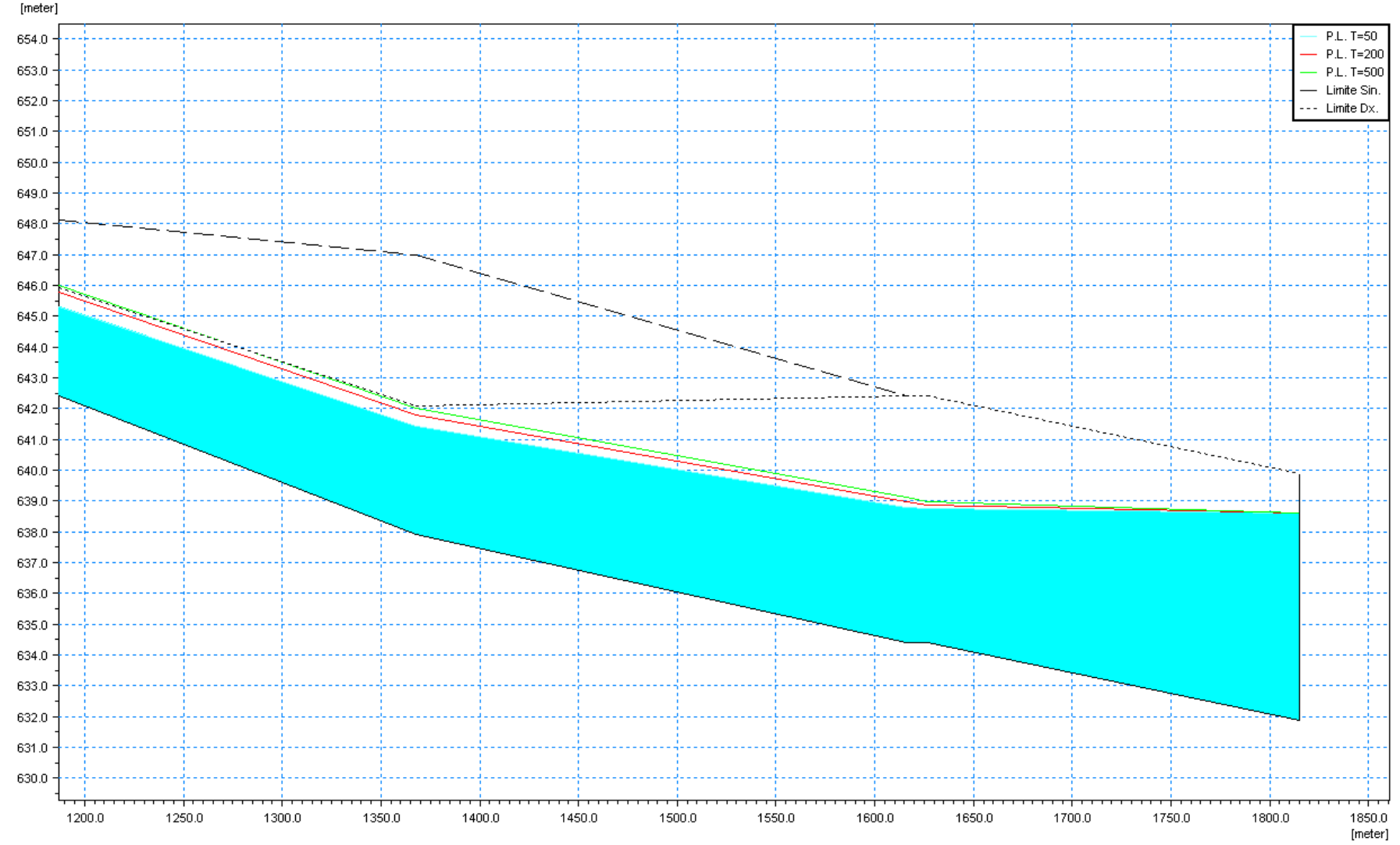
Progressiva	ID Sezione
0.00	
4.15	
7.30	
47.50	
87.70	

TORRENTE OSIGLIETTA

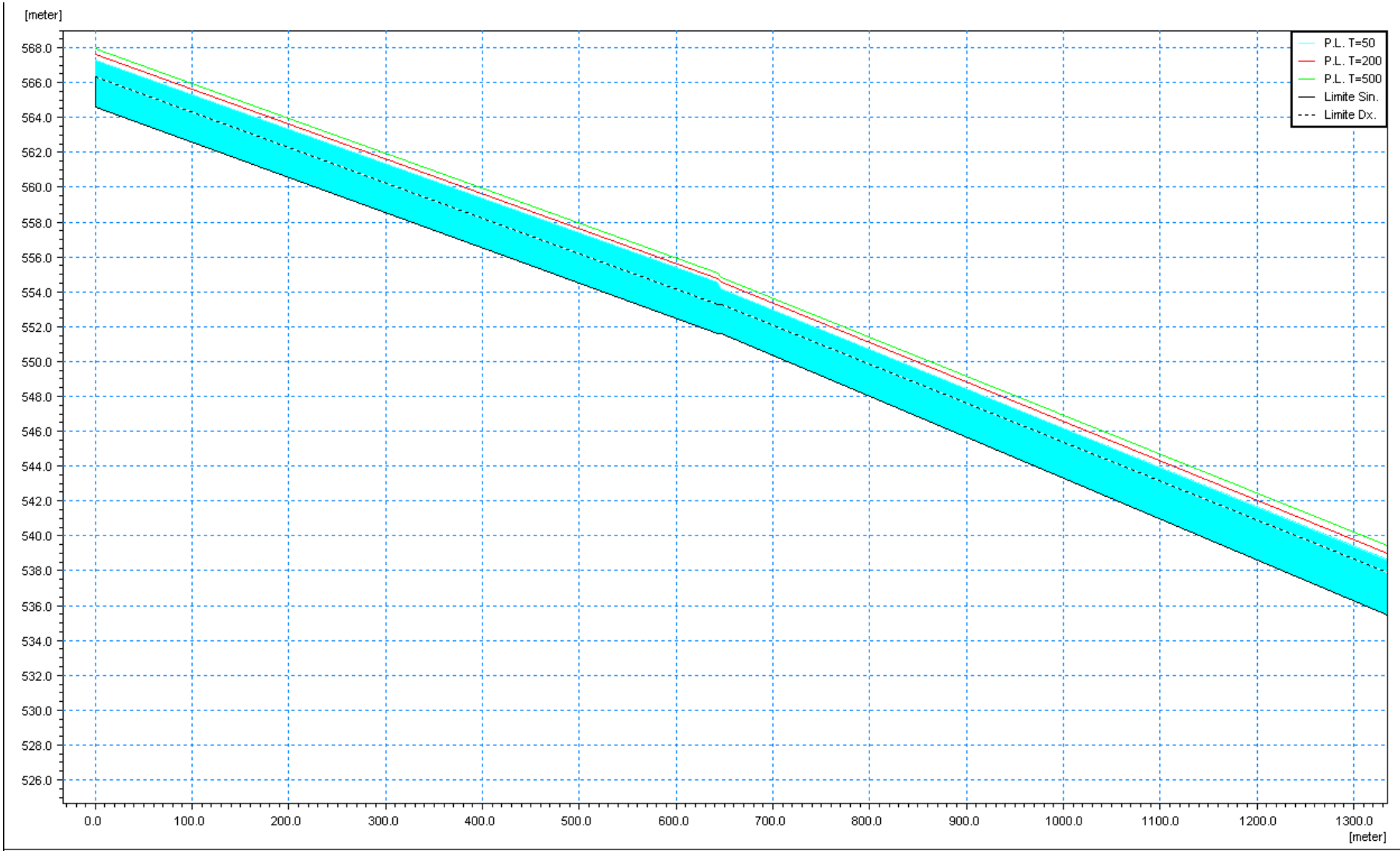


ID Sezione	OS001	OS002	OS003
Progressiva	0.00	97.75	195.49	350.25	497.51

ID Sezione		OS004	OS005	OS006		
Progressiva	701.74	902.97	927.12	948.27	994.03	1037.28	1204.55



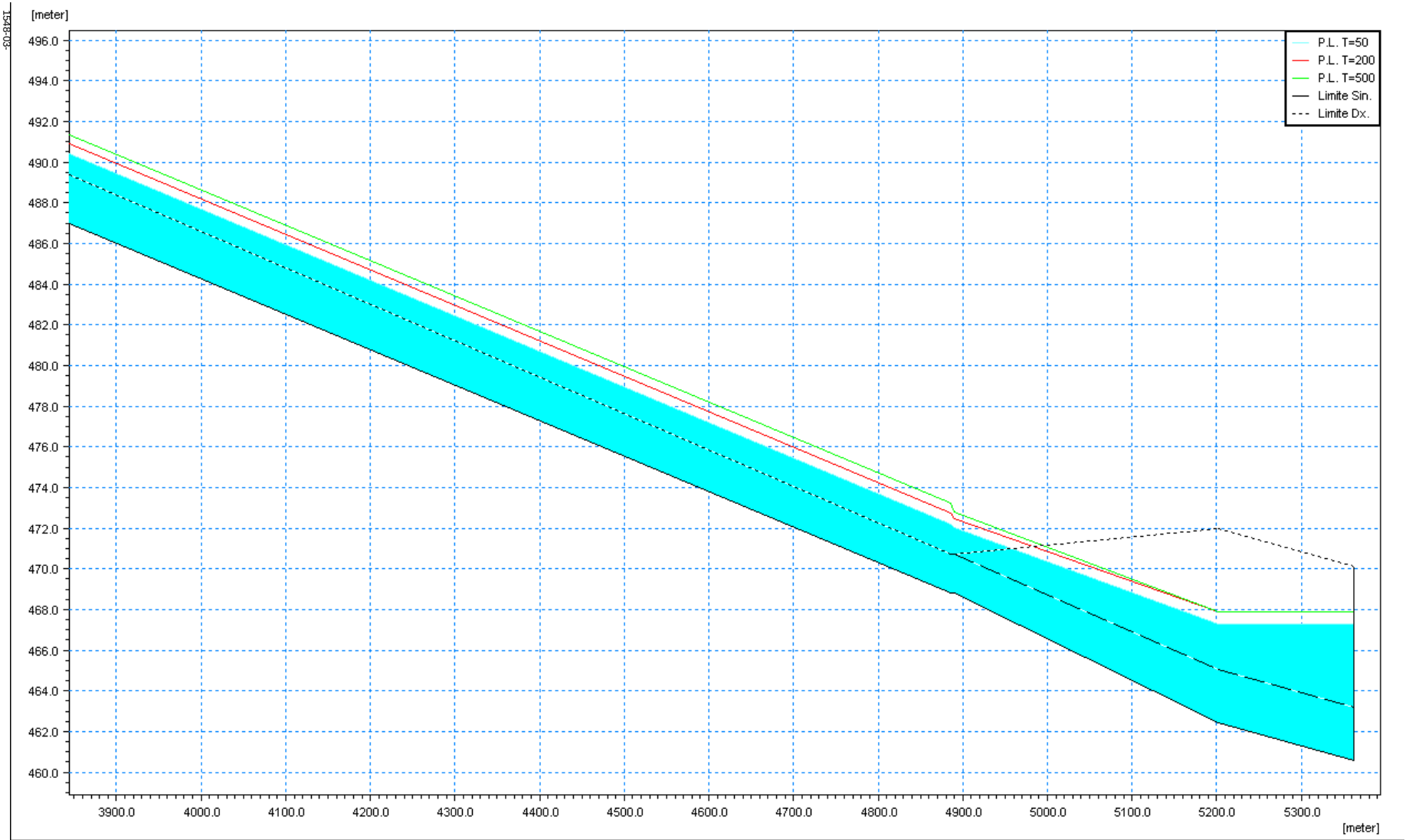
ID Sezione		OS007		OS008	OS008.1		INFL_LAGO
Progressiva	1204.55	1367.51	1491.65	1615.79	1626.89	1720.94	1815.00



ID Sezione	valle_diga		OS009
Progressiva	4704.60	5026.21	5347.83

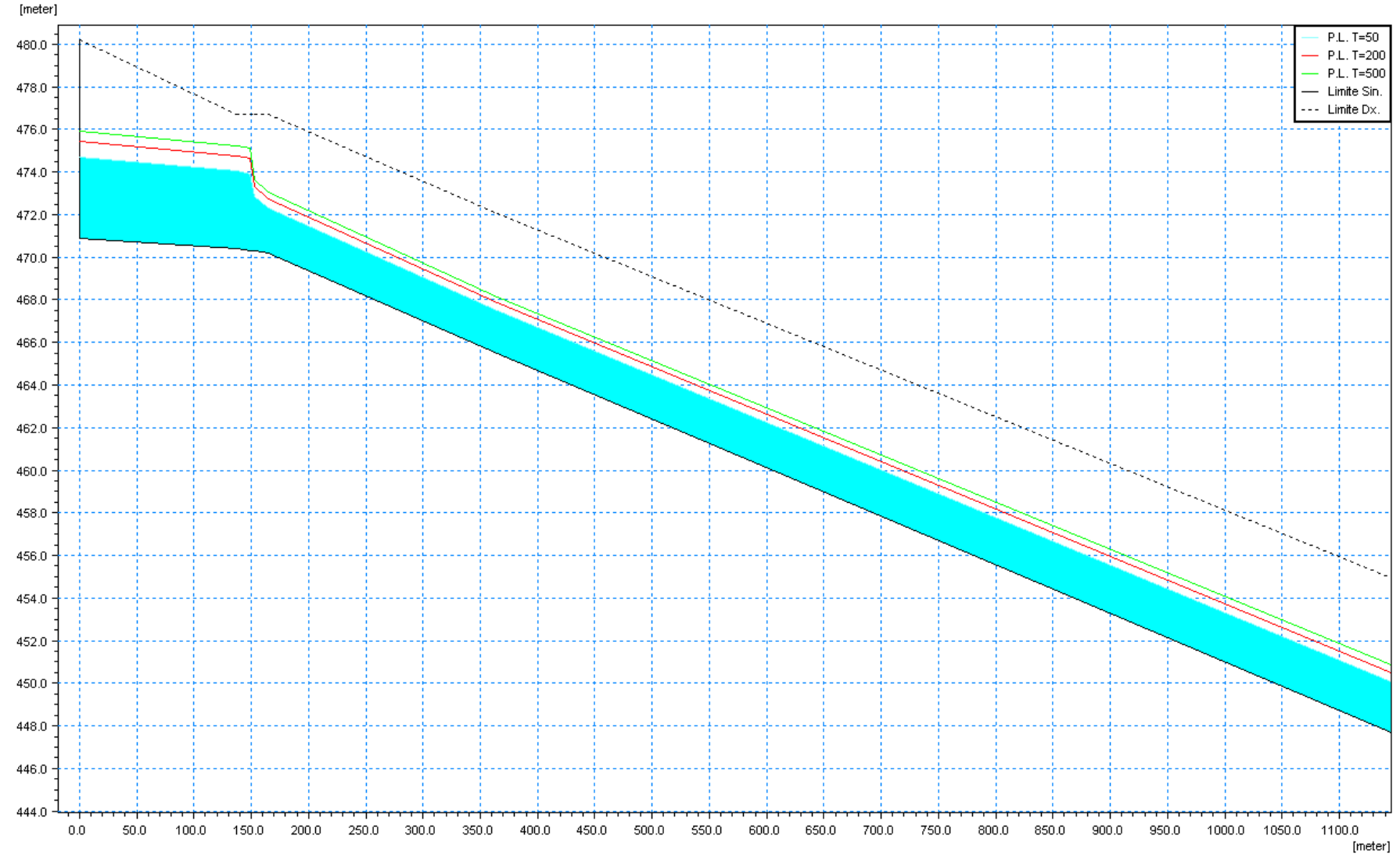
ID Sezione	OS010
Progressiva	6094.70	6838.67

ID Sezione	Progressiva
	8216.22

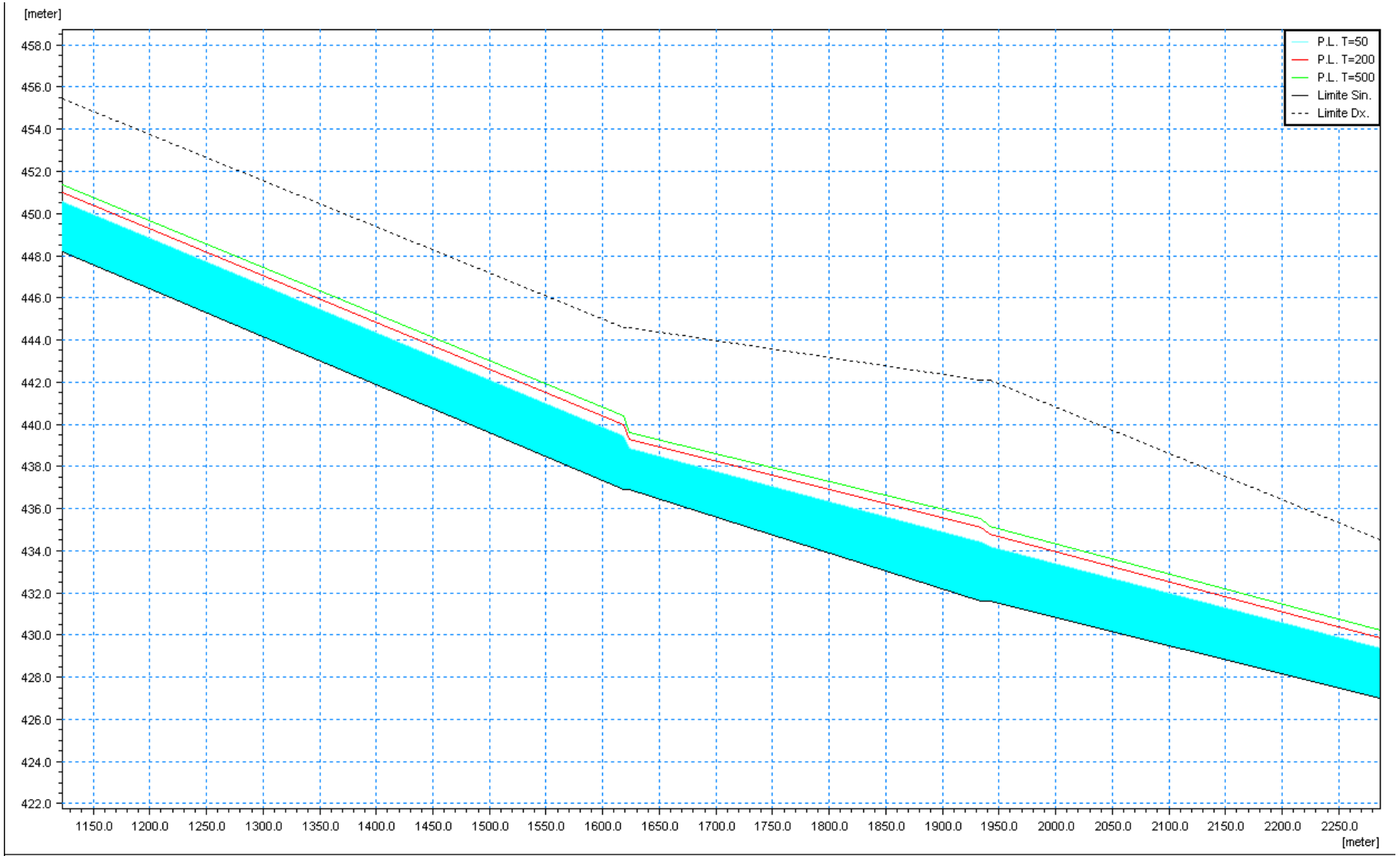


ID Sezione			OS011		OS012	OS013
Progressiva			9590.67	9750.42	9906.66	9986.68	10066.70

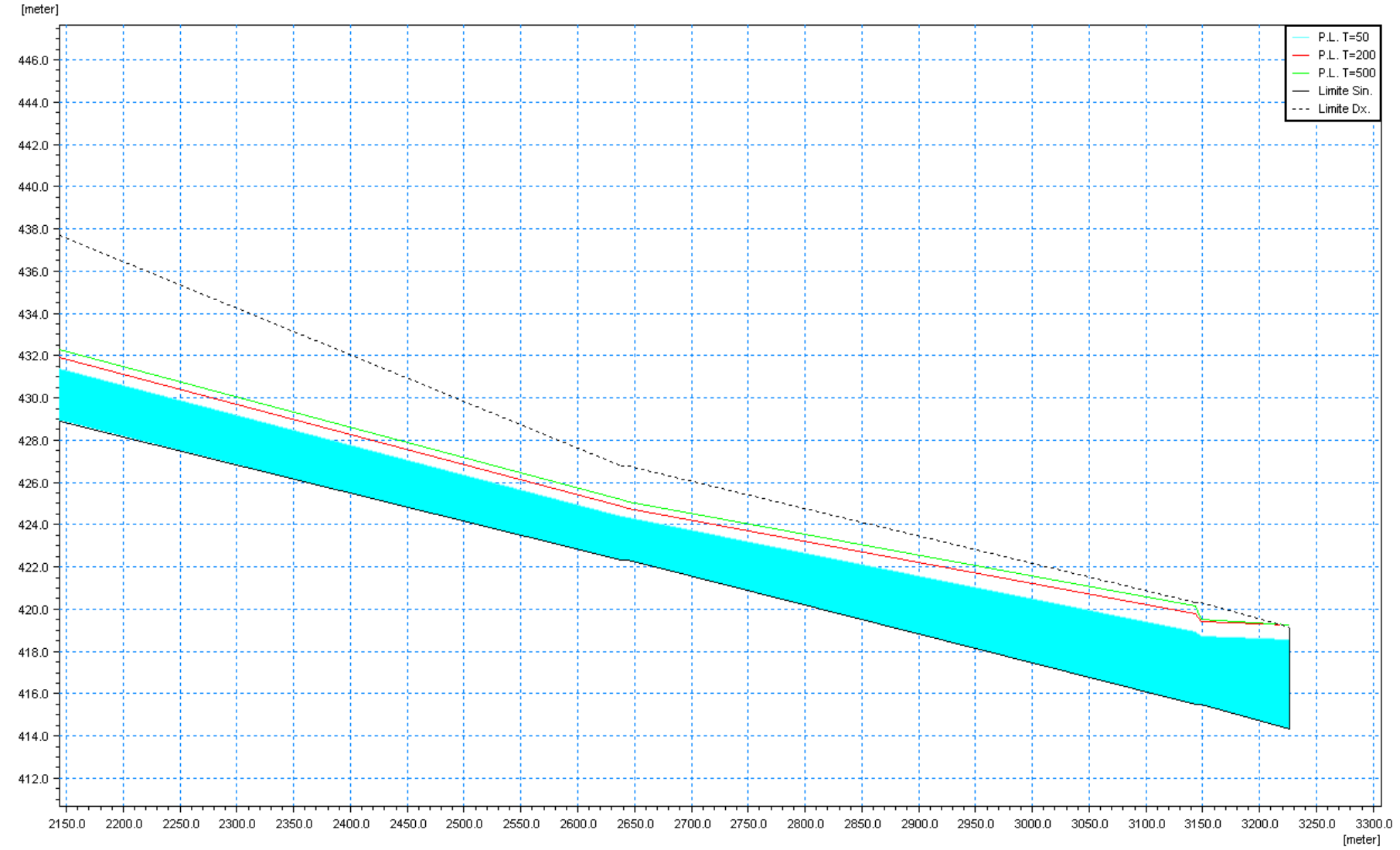
TORRENTE ZEMOLA



Progressiva	ID Sezione
0.00	ZE001
68.34	
136.68	***
152.48	ZE002.1
264.71	
364.45	ZE003
991.33	

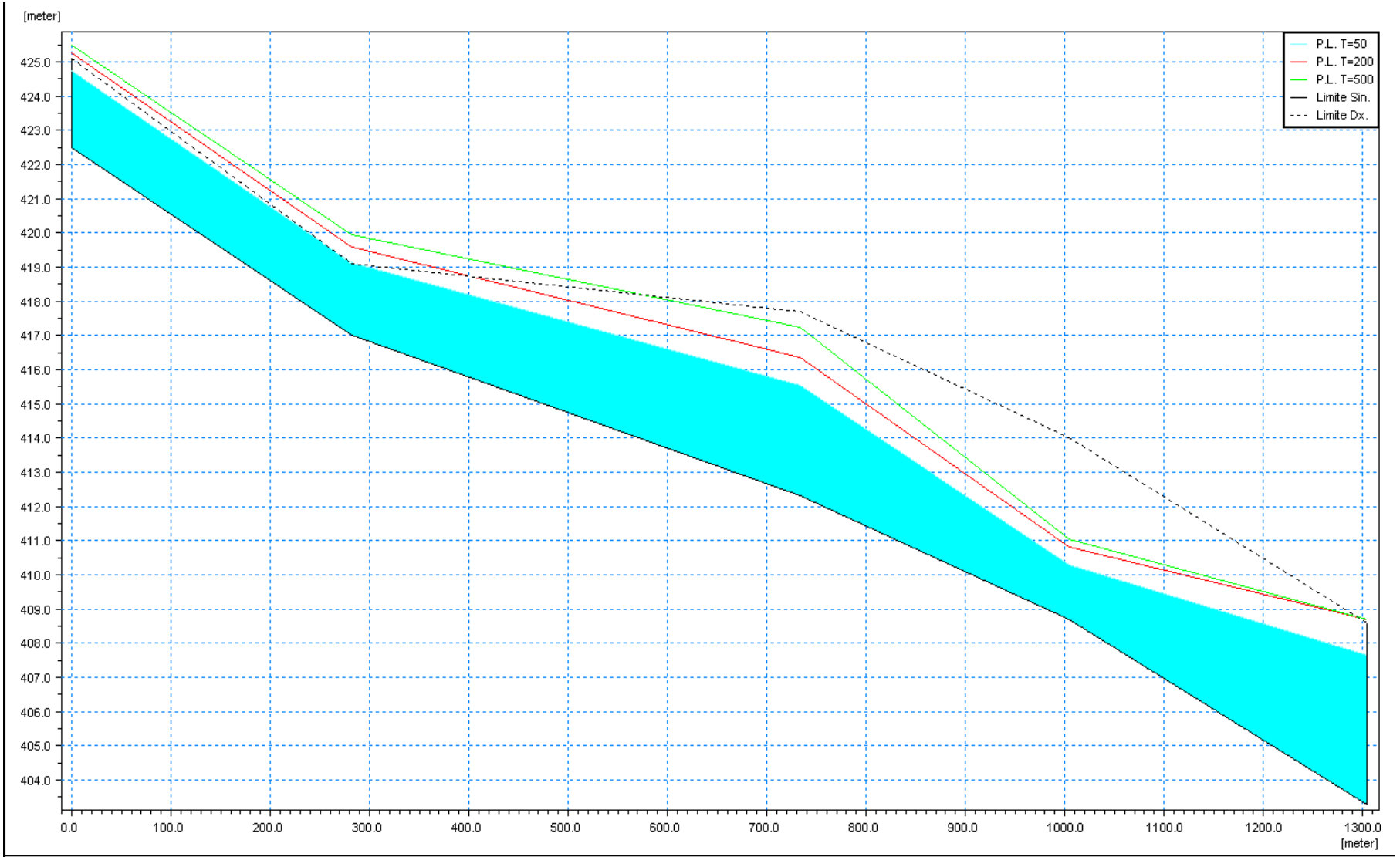


ID Sezione		ZE004		ZE005
Progressiva		1618.20	1778.68	1933.95



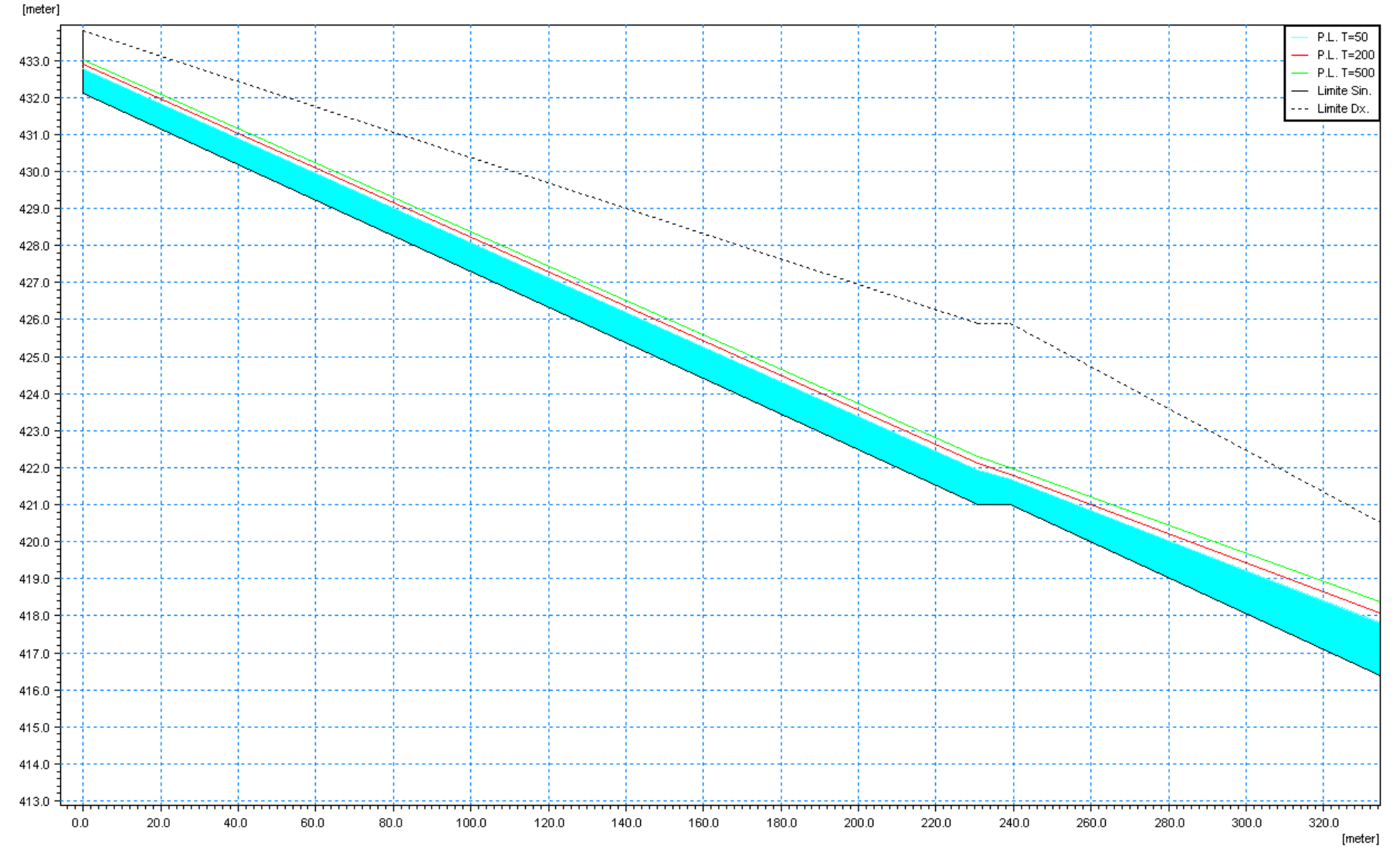
ID Sezione		ZE006		ZE007		ZE008
Progressiva	2290.38	2638.50	2893.80	3143.60	3187.20	3226.00

RIO DI GIACCHETTI

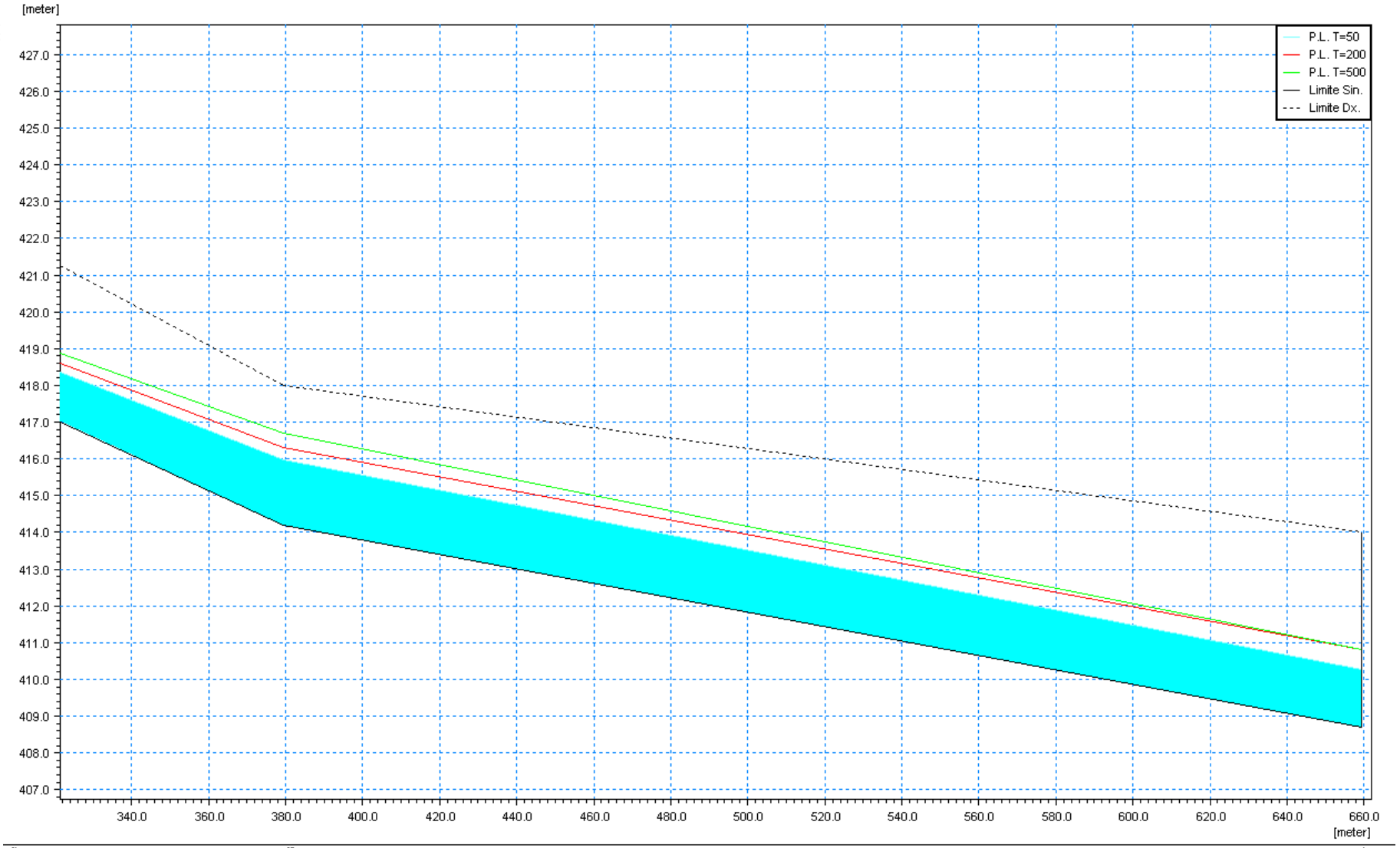


ID Sezione	GI001	GI002	GI003	GI004	GI005
Progressiva	0.00	140.82	281.65	507.80	733.95	869.05	1004.15	1154.15	1304.15

RIO ROCCHETTA

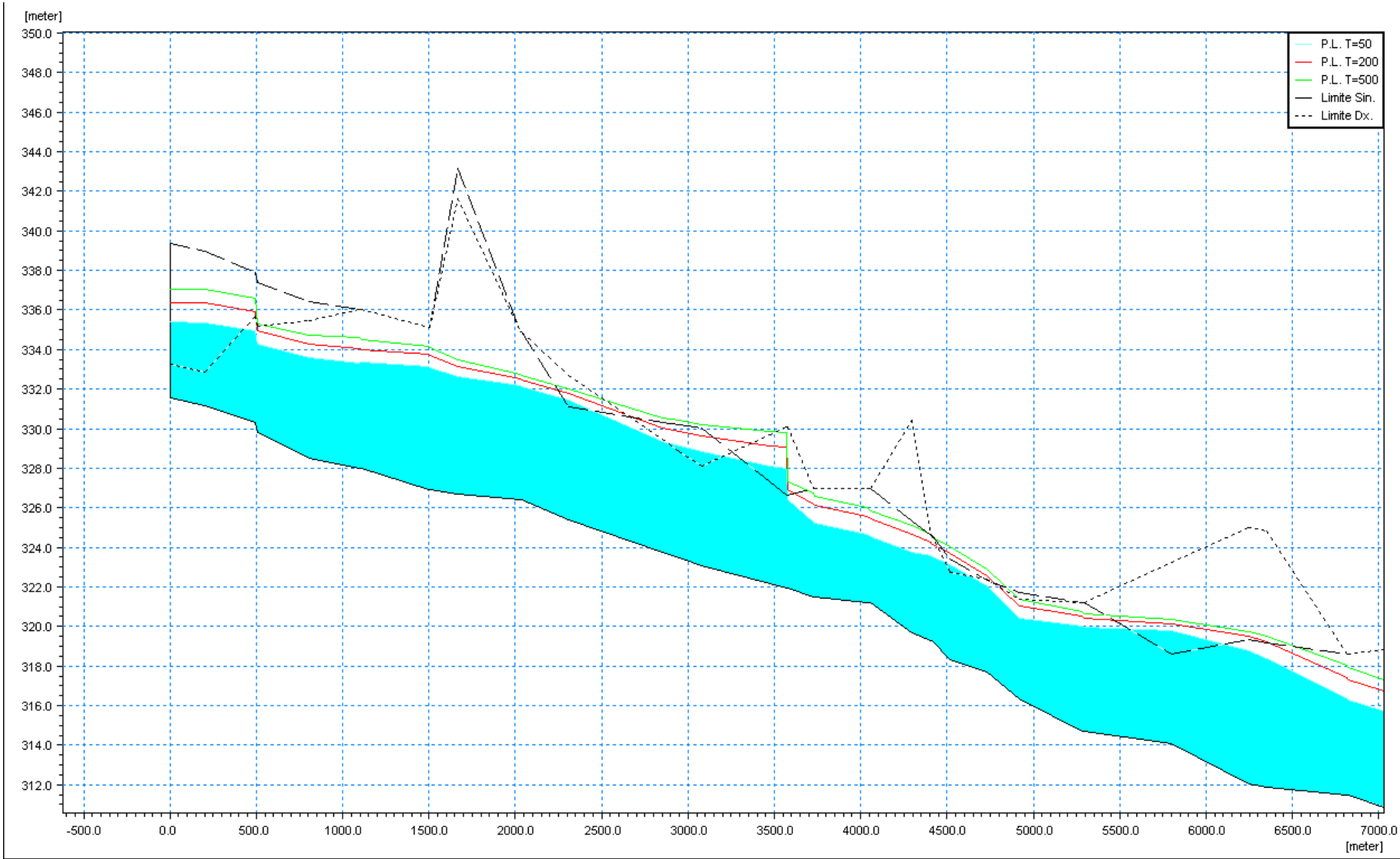


Progressiva	ID Sezione
0.00	RO001
115.35	
230.70	RO002
239.20	RO002.1
309.27	

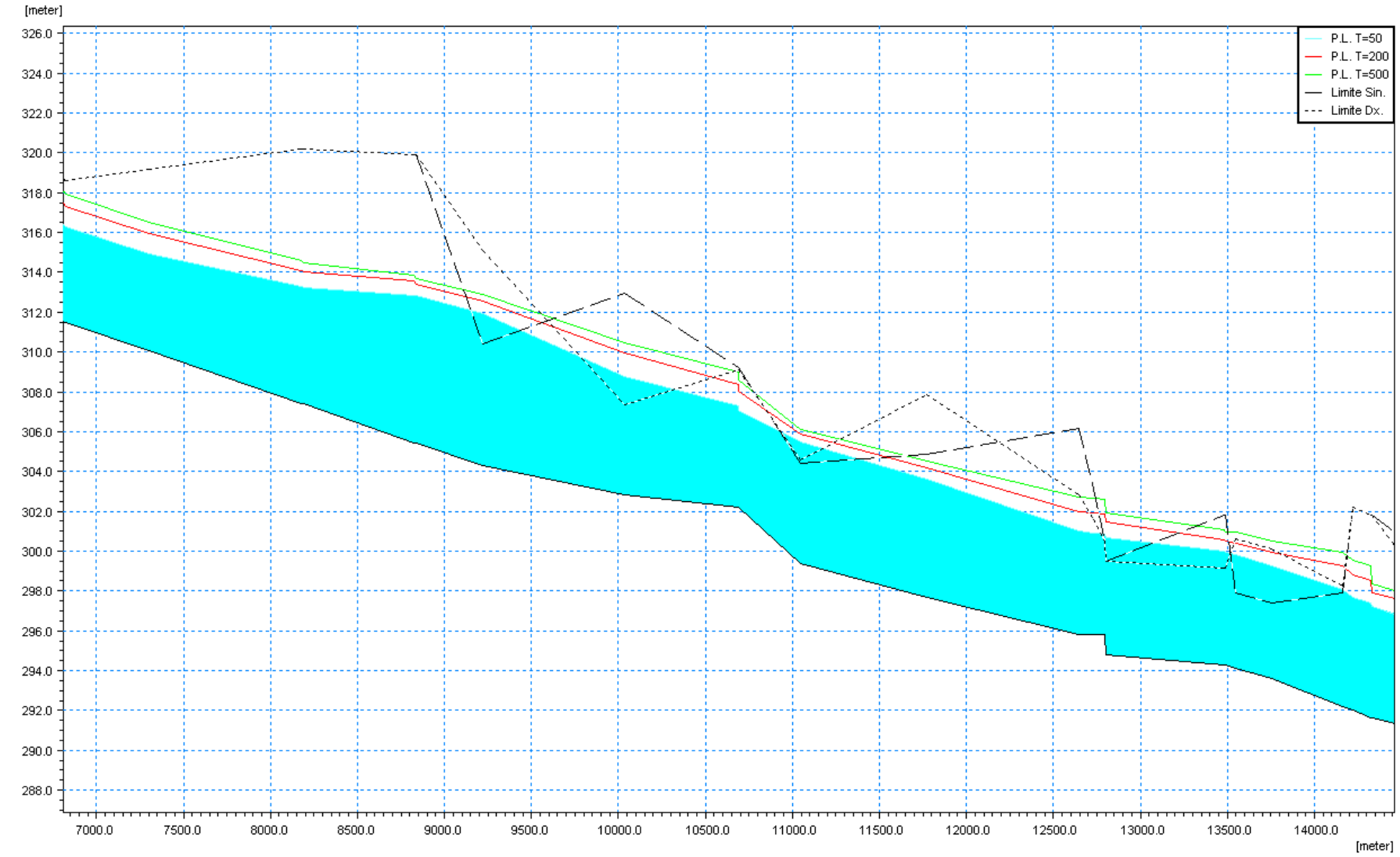


ID Sezione	RO003	GI004
Progressiva	379.35	519.35	659.35

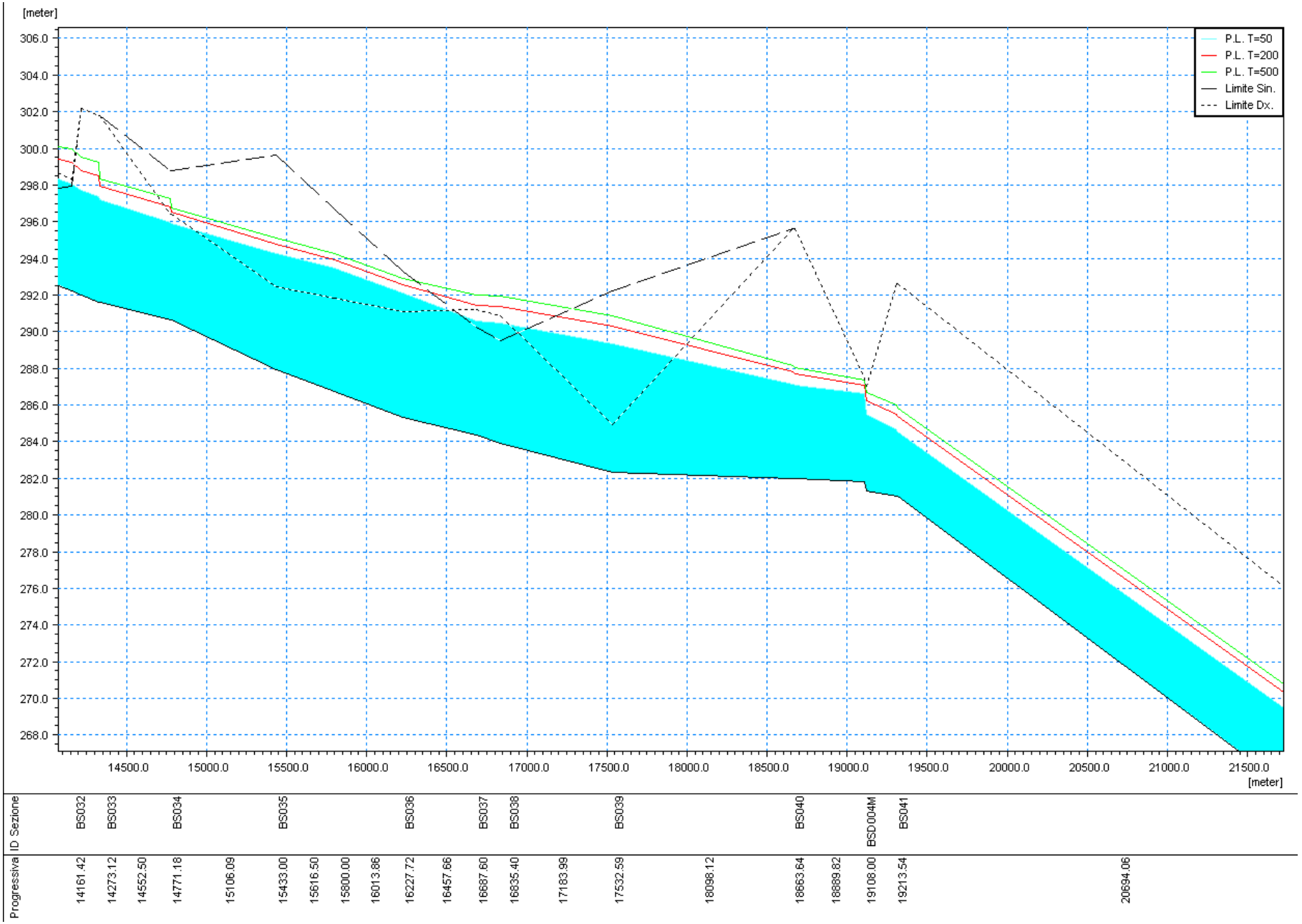
BORMIDA DI SPIGNO



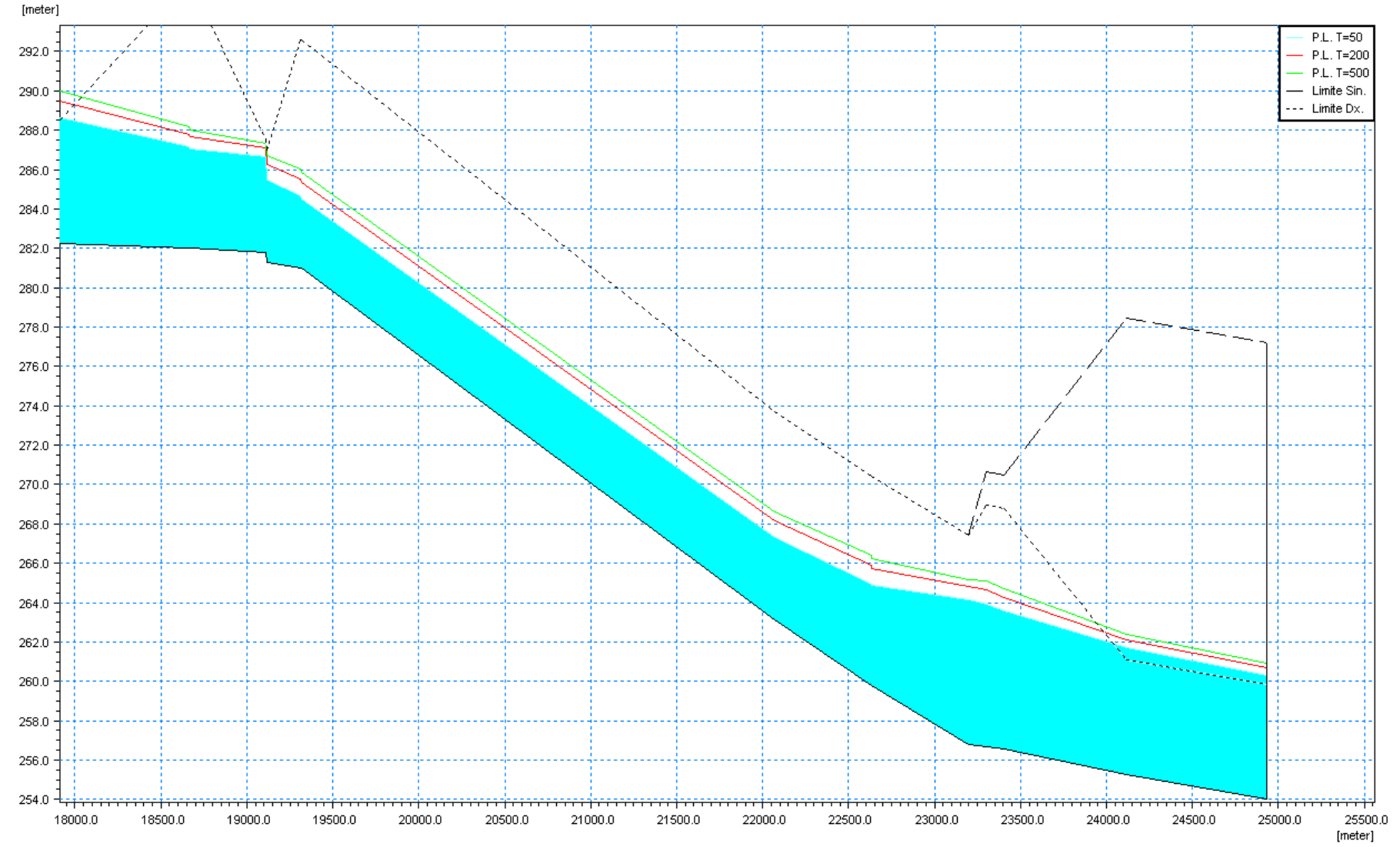
Progressiva	ID Sezione
0.00	BS001
100.00	
347.50	BSD001M
495.00	
806.51	BS002
952.55	BS003
1098.60	
1302.21	BS004
1497.82	BS005
1846.84	BS006
2027.43	BS007
2169.58	
2577.37	BS008
2850.00	
2950.00	BS009
3276.48	BS010
3475.00	BS011
3571.42	BS012
3885.93	BS013
4040.33	BS015
4178.25	BS016
4408.64	BS017
4626.10	
4824.25	BS018
5100.01	
5284.22	BS019
5545.78	
5796.84	BS020
6022.33	
6247.82	
6348.00	
6583.02	
6818.04	



ID Sezione	Progressiva
BS020	6818.04
	7060.87
	7300.00
	7739.80
BS021	8179.60
	8507.38
BS022	8827.17
	9027.34
BS023	9219.52
	9629.12
BS024	10038.72
	10363.53
BS025	10688.34
	10867.79
BS026	11043.74
	11406.33
BS027	11768.93
	12208.54
BS028	12648.16
BSD003M	12761.41
	13143.84
BS030	13482.69
BS031	13651.22
	13956.93
BS032	14161.42
BS033	14273.12

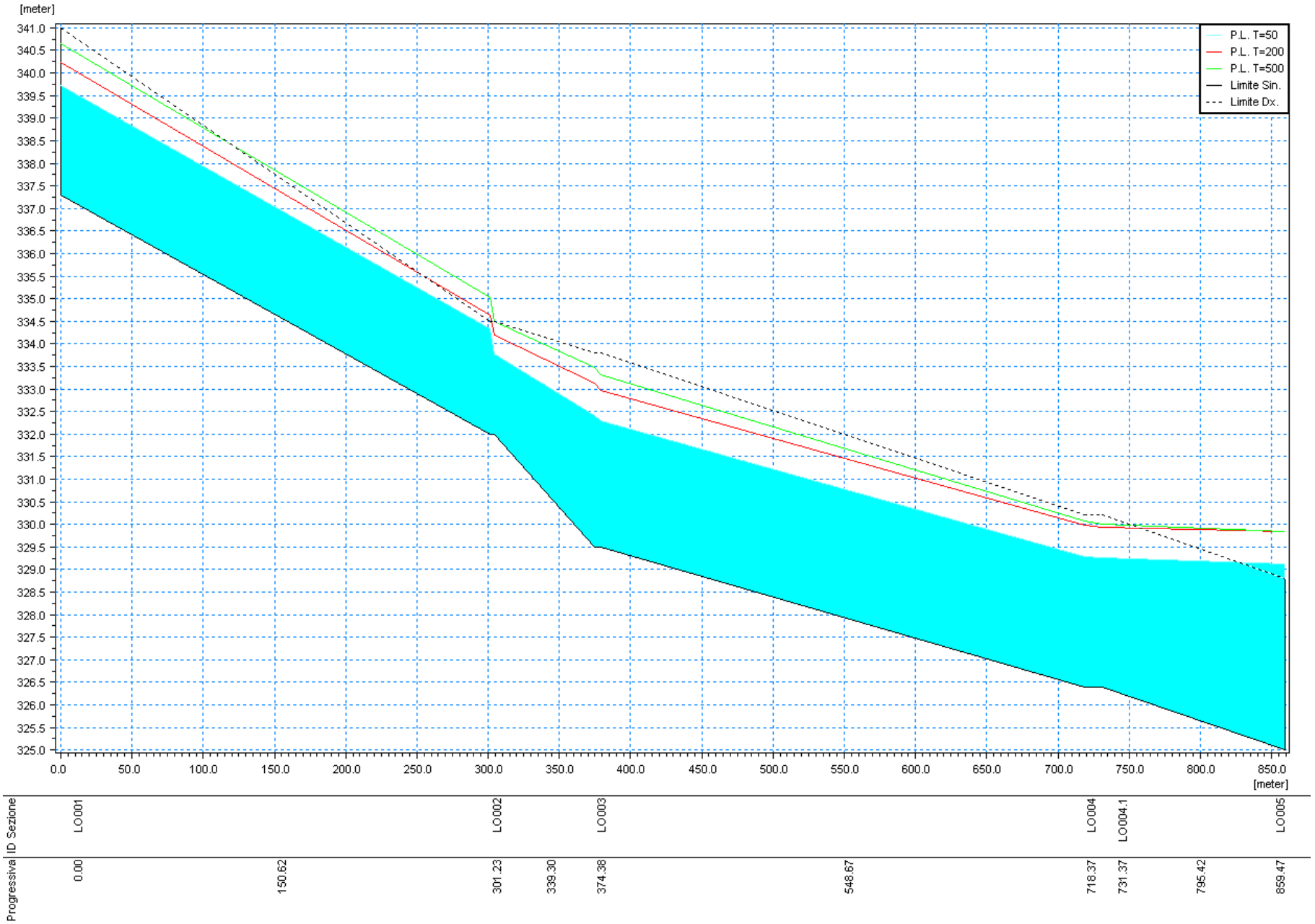


ID Sezione	Progressiva
BS032	14161.42
BS033	14273.12
	14552.50
BS034	14771.18
	15106.09
BS035	15433.00
	15616.50
	15800.00
	16013.86
BS036	16227.72
	16457.66
BS037	16687.60
BS038	16835.40
	17183.99
BS039	17532.59
	18098.12
BS040	18663.64
	18889.82
BSD004M	19108.00
BS041	19213.54
	20694.06



ID Sezione	BS040	BSD004M	BS041	BS042	BS043	BS044	BS045	BS046	BS047
Progressiva	18098.12	18663.64	18889.82	19108.00	19213.54	20694.06	22071.05	22351.04	22631.04	22916.71	23197.38	23300.00	23760.82	24117.22	24525.61	24934.00

RIO LOPPA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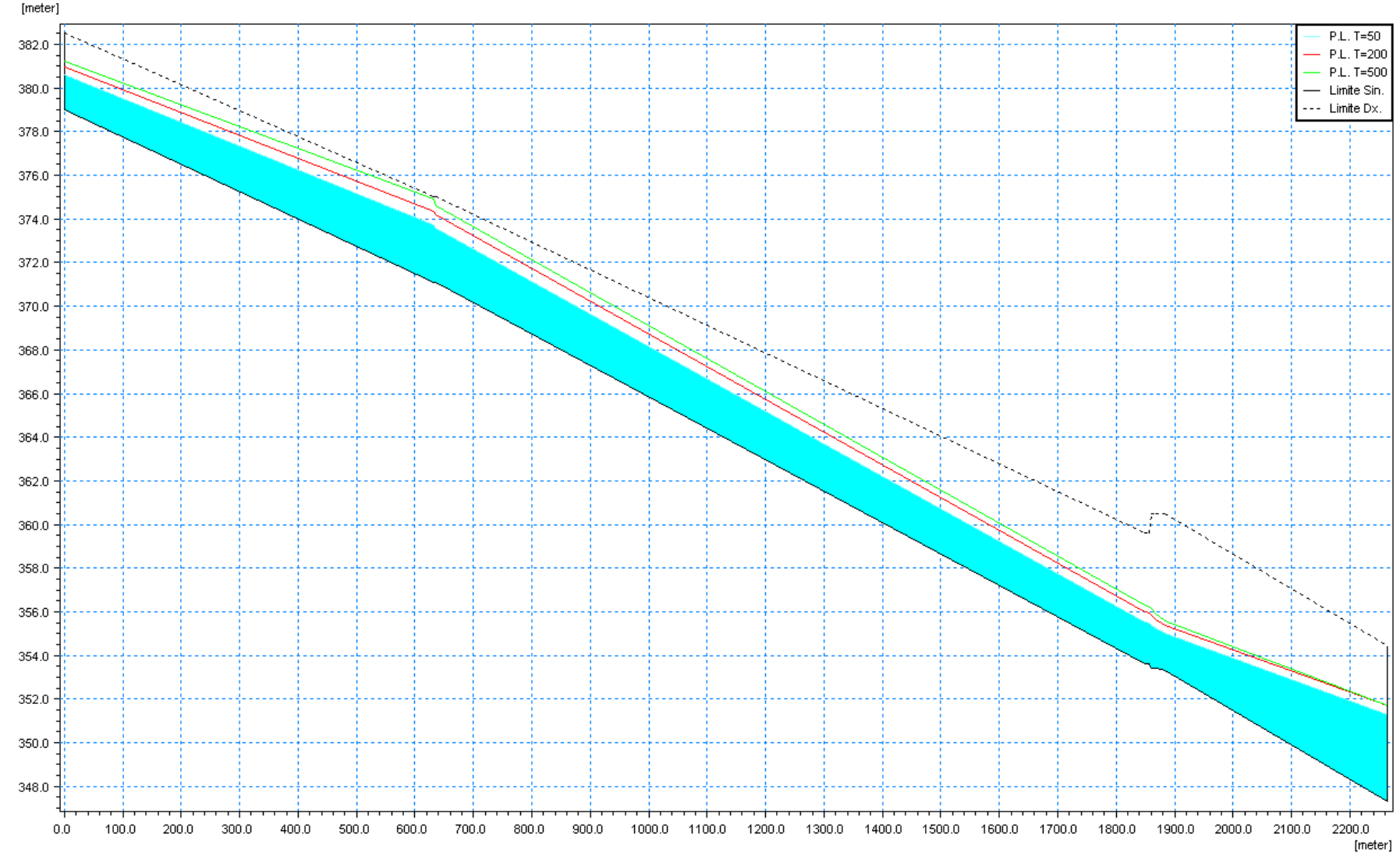
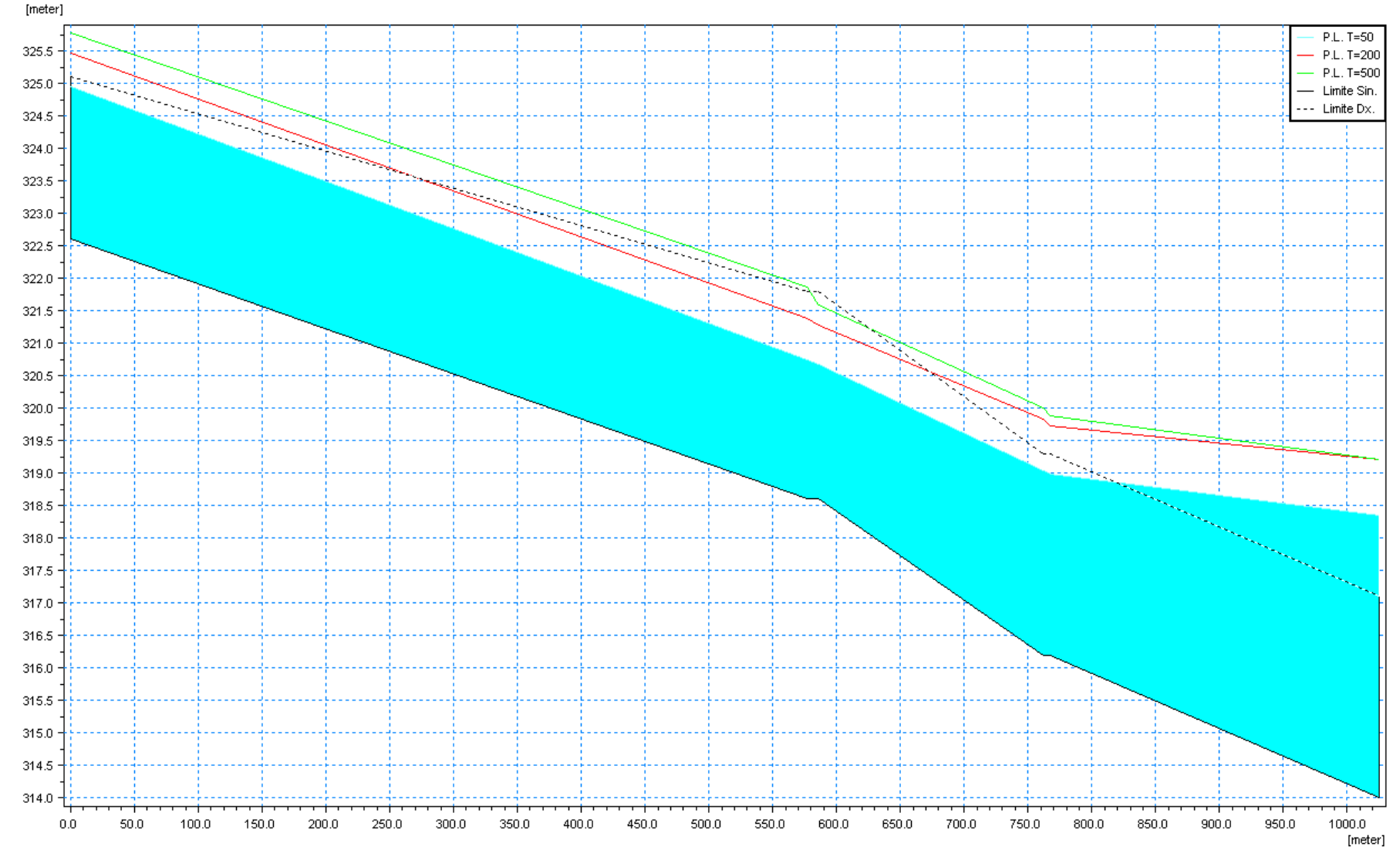
P.L. T=50
P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
[meter]
ID Sezione
LO001
LO002
LO003
LO004
LO004.1
LO005
Progressiva
0.00
150.62
301.23
339.30
374.38
548.67
718.37
731.37
795.42
859.47

RIO FERRERE



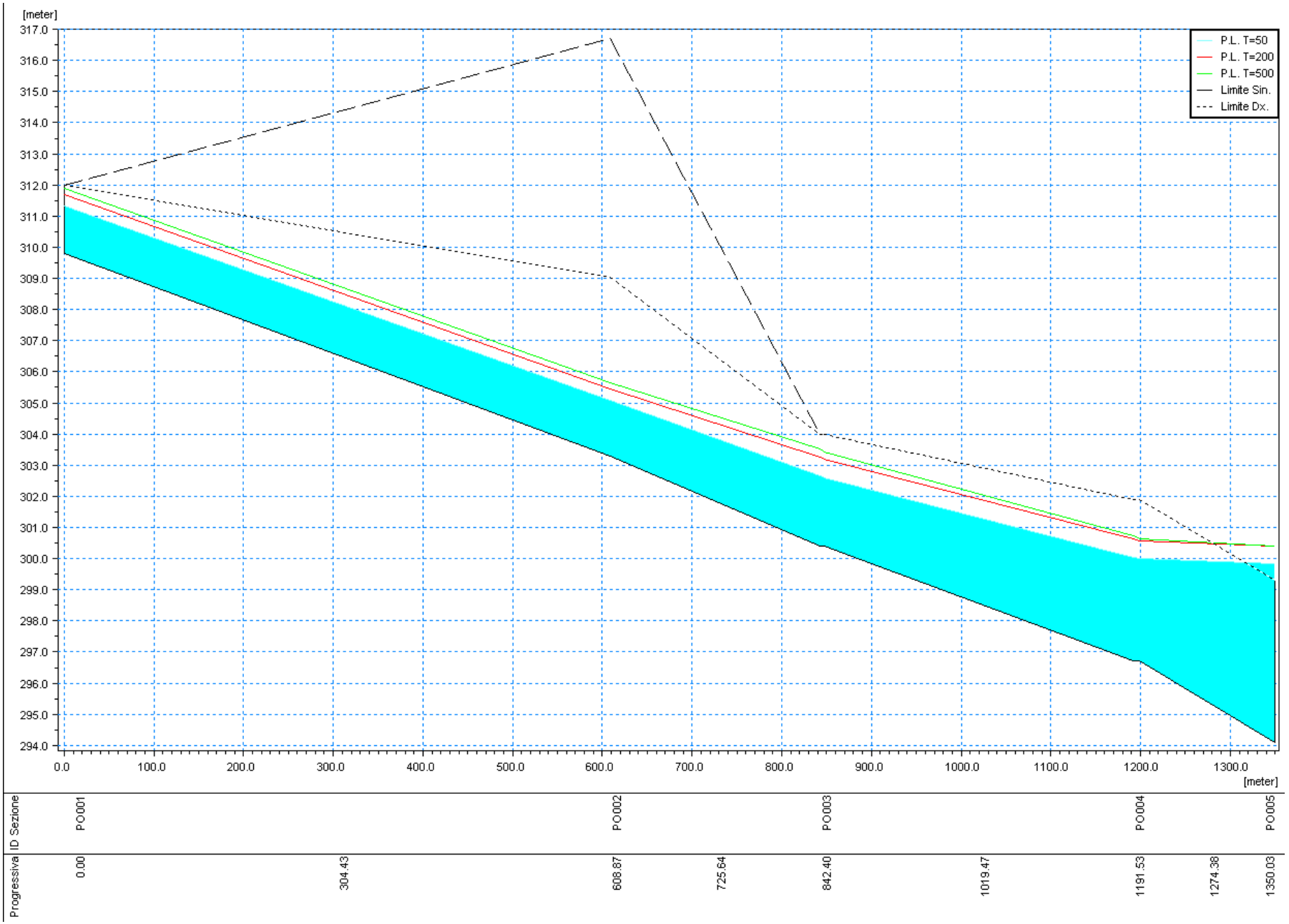
ID Sezione	FE001		FE002			FE003	***		FE005
Progressiva	0.00	315.99	631.99	1243.25		1849.71	1883.00	2073.71	2264.42

RIO CARRETTO



Progressiva	ID Sezione
0.00	CA001
288.46	
576.92	CA002
674.09	
761.96	CA003
896.34	
1025.21	CA004

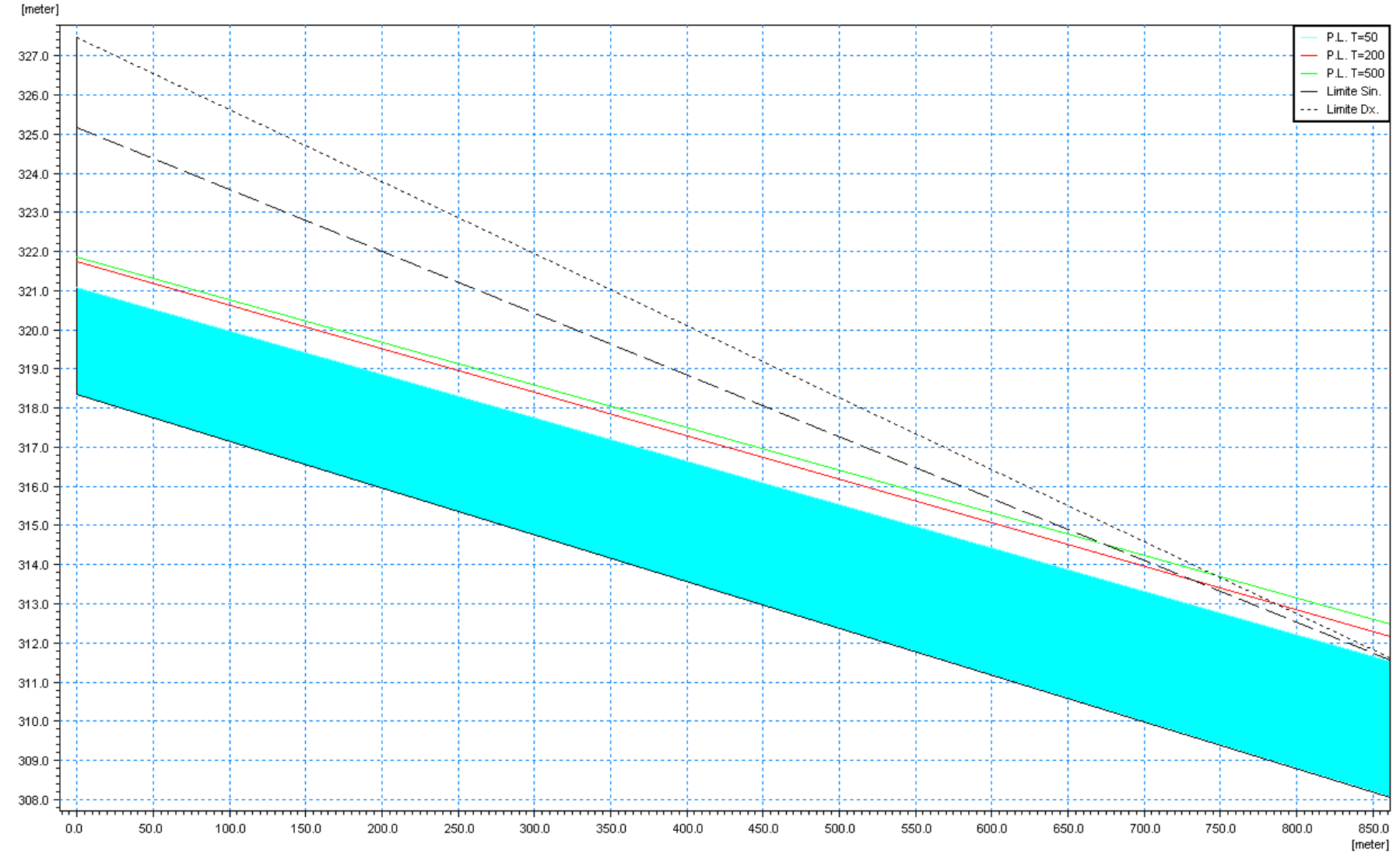
RIO POLLOVERO


[meter]
317.0
316.0
315.0
314.0
313.0
312.0
311.0
310.0
309.0
308.0
307.0
306.0
305.0
304.0
303.0
302.0
301.0
300.0
299.0
298.0
297.0
296.0
295.0
294.0
P.L. T=50
P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
0.0
100.0
200.0
300.0
400.0
500.0
600.0
700.0
800.0
900.0
1000.0
1100.0
1200.0
1300.0
[meter]
ID Sezione
PO001
PO002
PO003
PO004
PO005
Progressiva
0.00
304.43
608.87
725.64
842.40
1019.47
1191.53
1274.38
1350.03

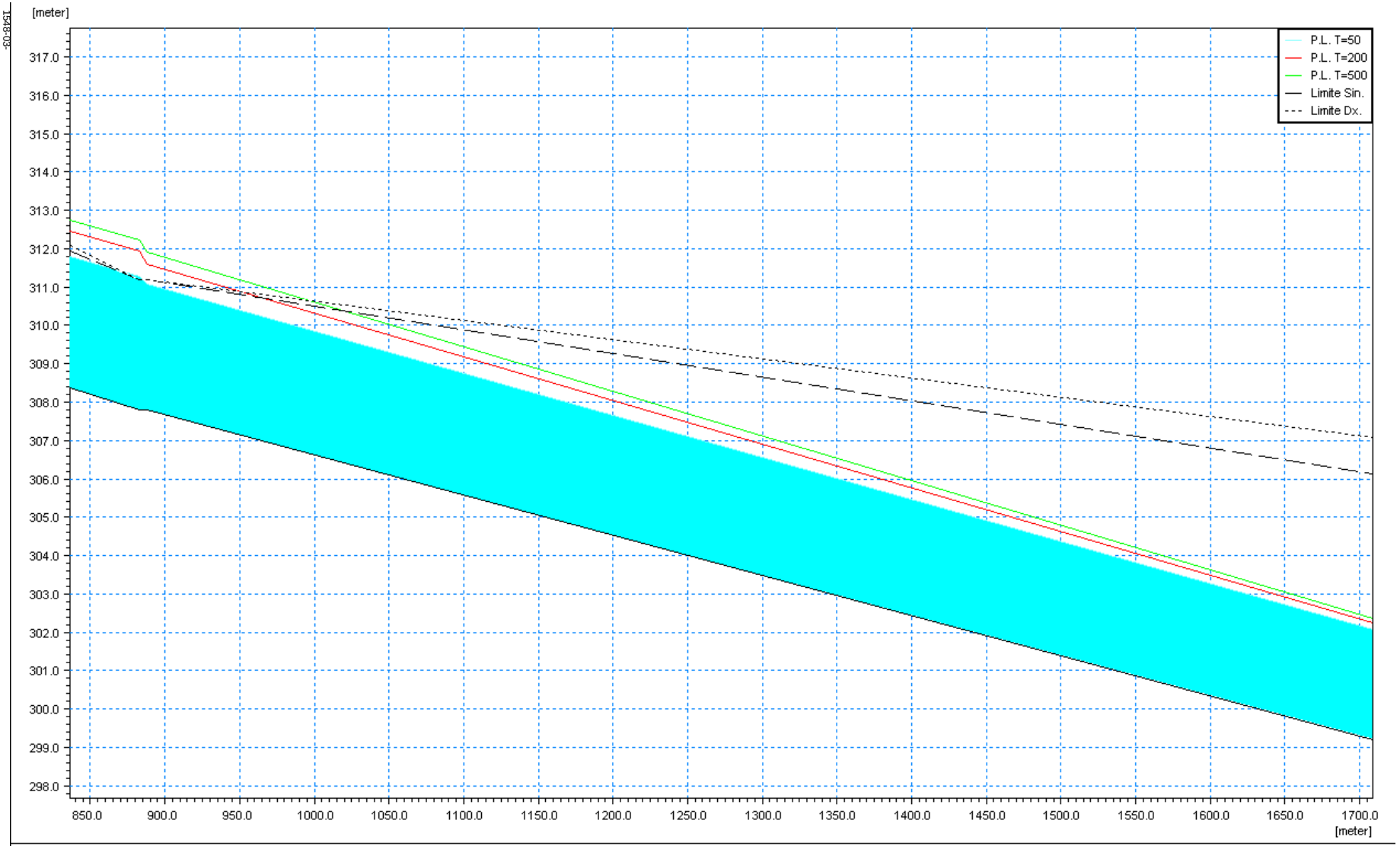
RIO BRANGE

Progressiva	0.00	74.00	148.00	153.31	228.76	304.21
ID Sezione	BR001		BR002	BR002.1		BR003

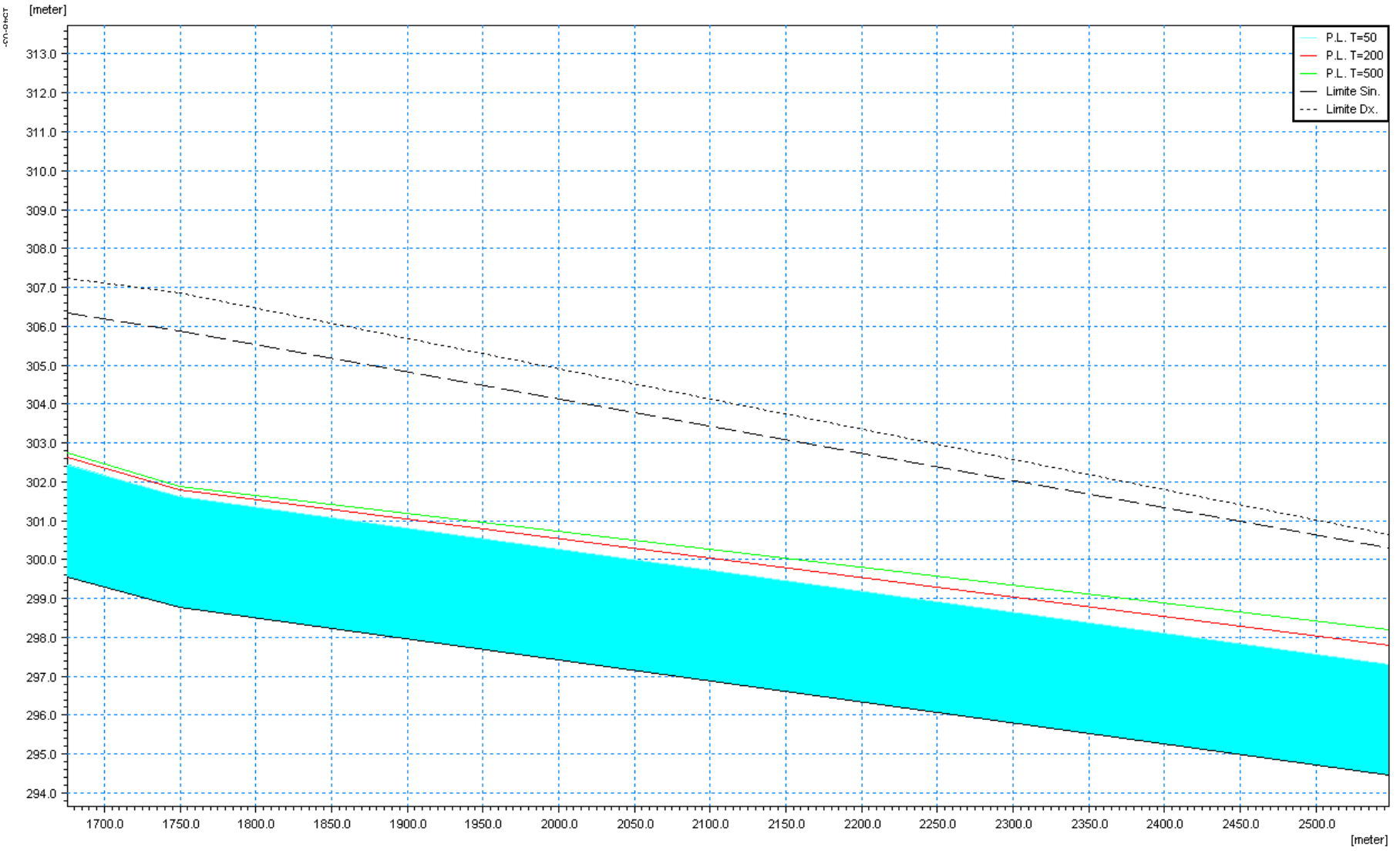
TORRENTE BORMIOLA



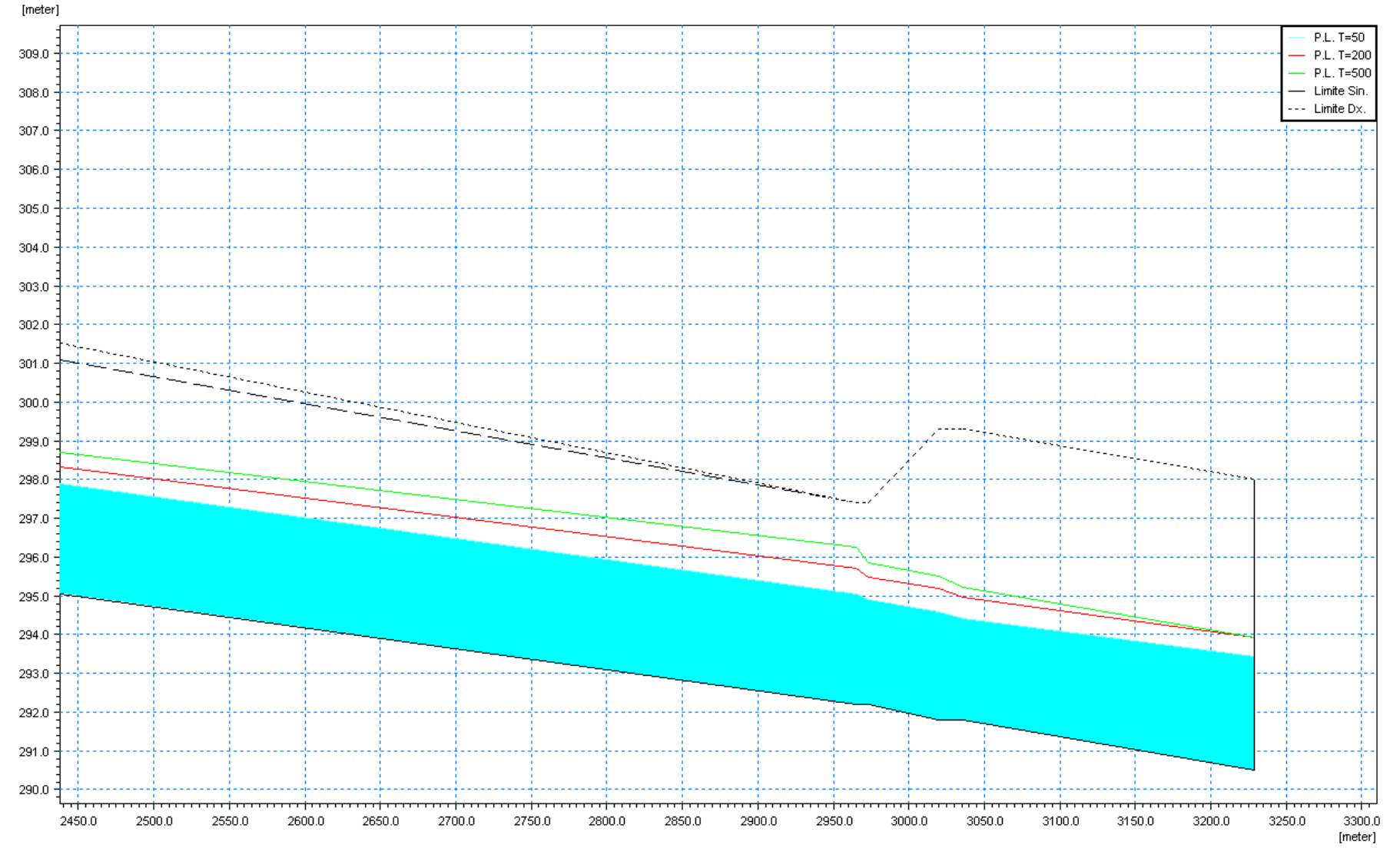
Progressiva	ID Sezione
0.00	BO001
441.58	



Progressiva	ID Sezione
883.15	BO002
1318.61	

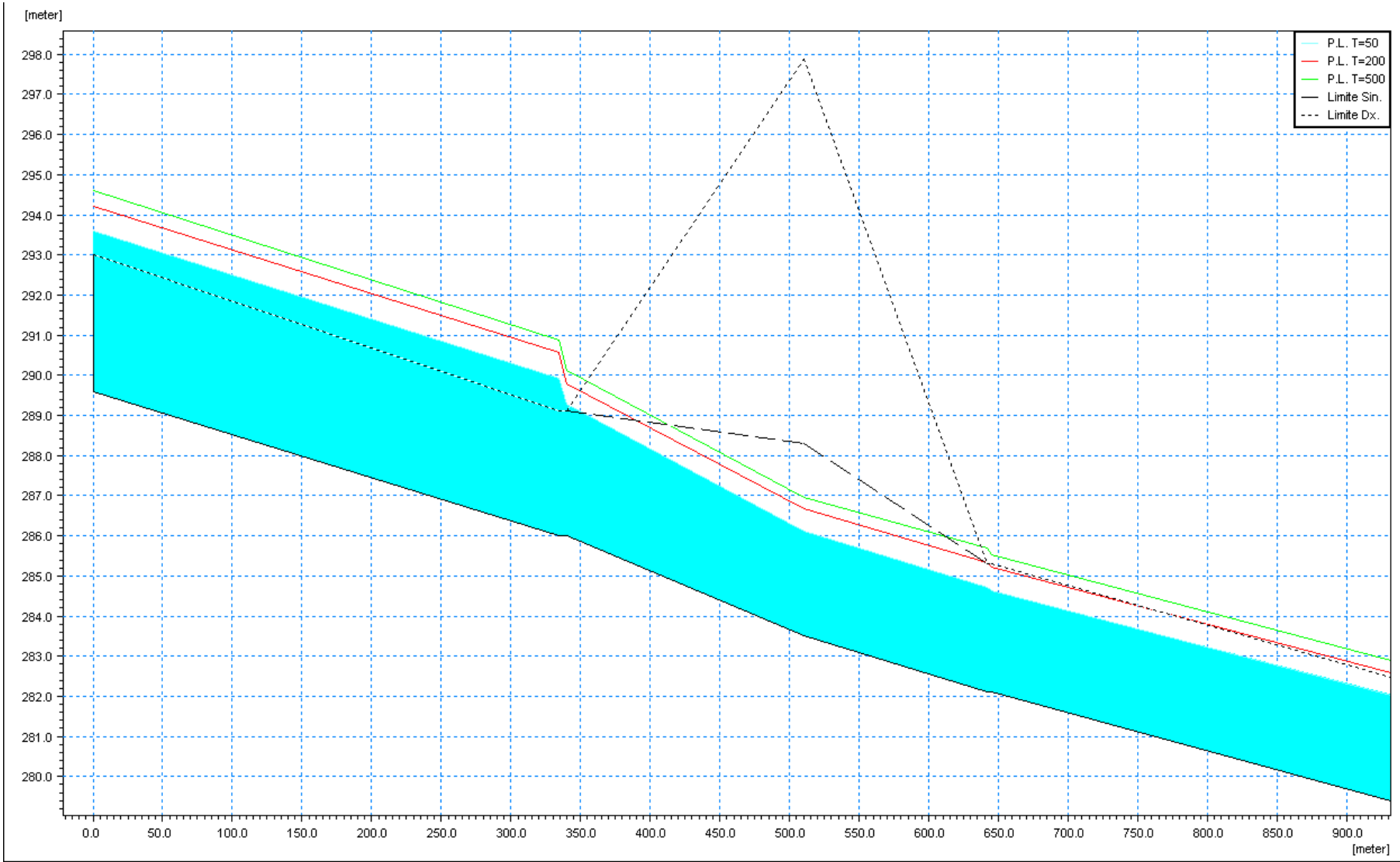


Progressiva	ID Sezione
1749.27	BO003
2357.33	

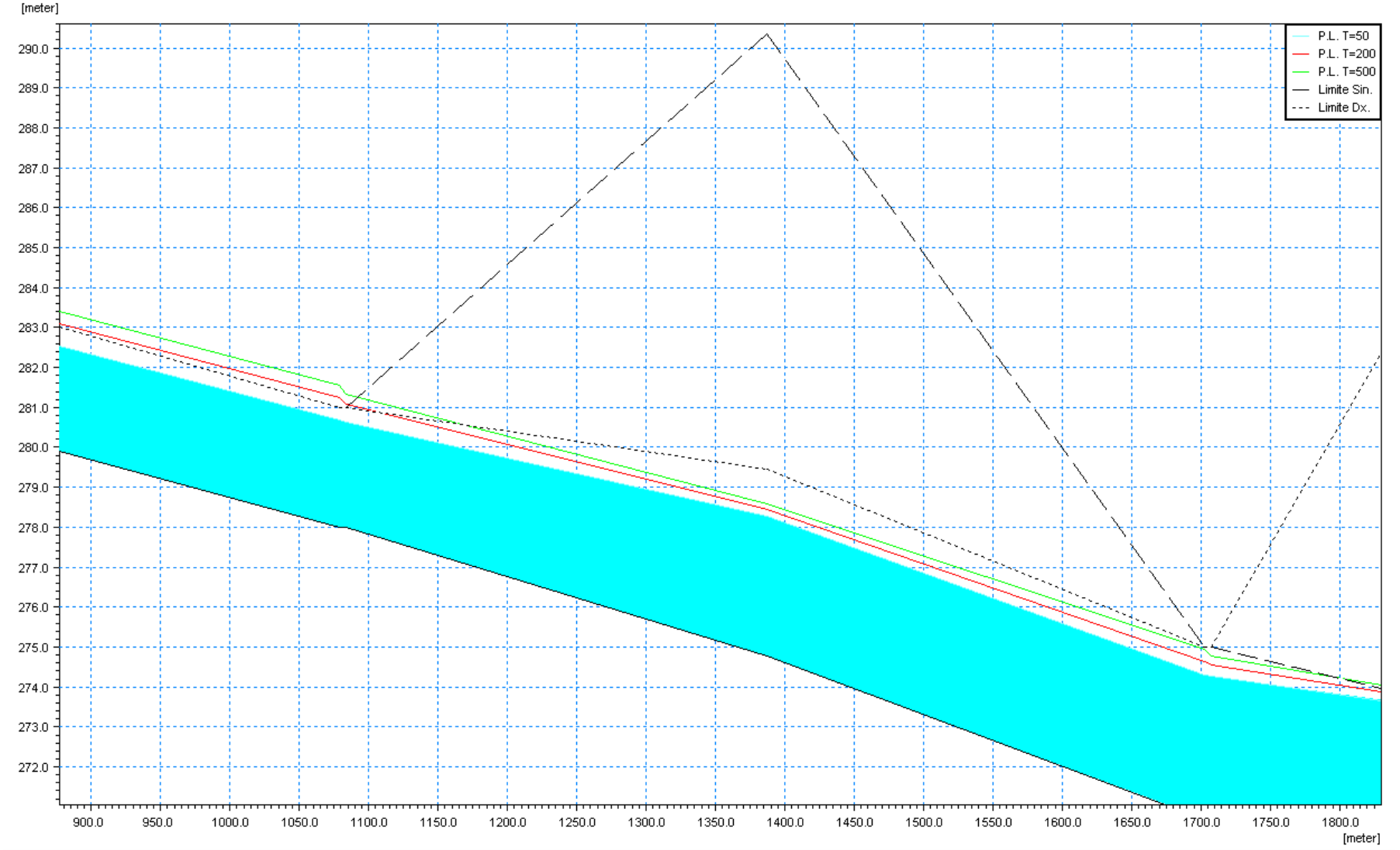


ID Sezione	BO004	BO005	BO005.1	BO006
Progressiva	2965.40	2996.31	3019.72	3035.72	3132.32	3228.92

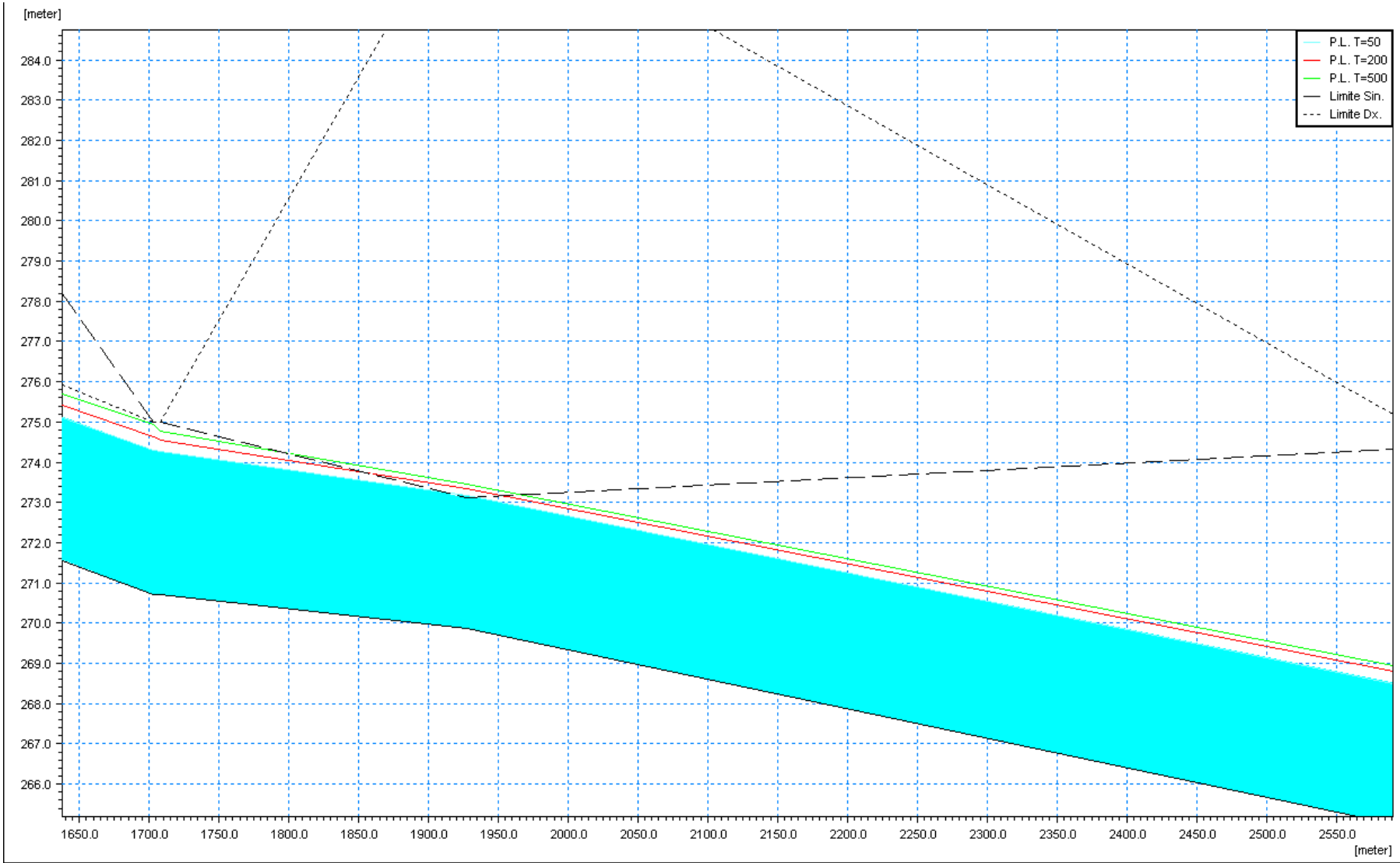
RIO MADONNA



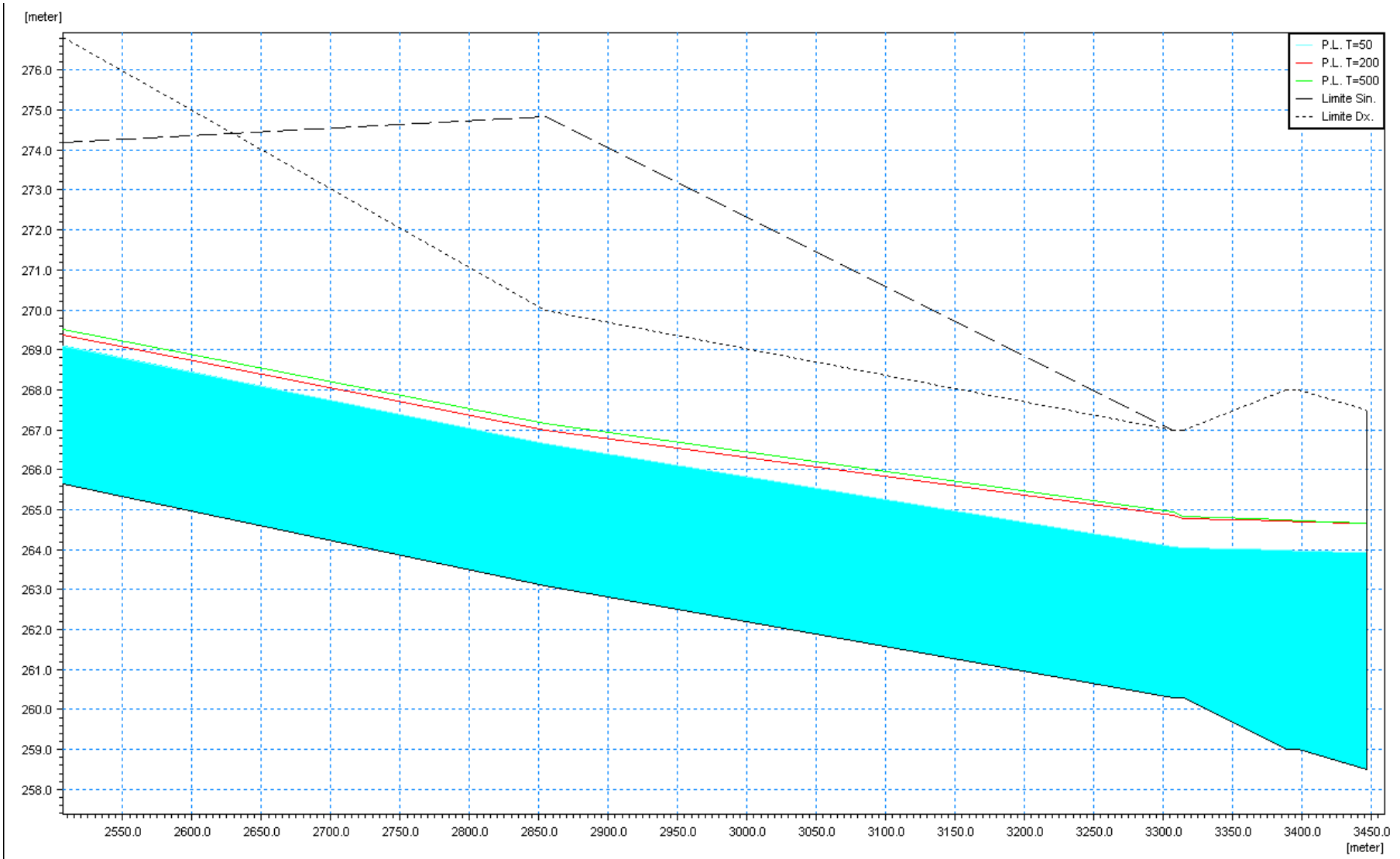
Progressiva	ID Sezione
0.00	M.A001
167.04	
334.07	M.A002
424.93	
510.09	M.A003
575.83	
641.56	M.A004
861.85	



ID Sezione	MA005	MA006	MA007	
Progressiva	1078.64	1235.54	1387.44	1545.13	1702.82	1817.44

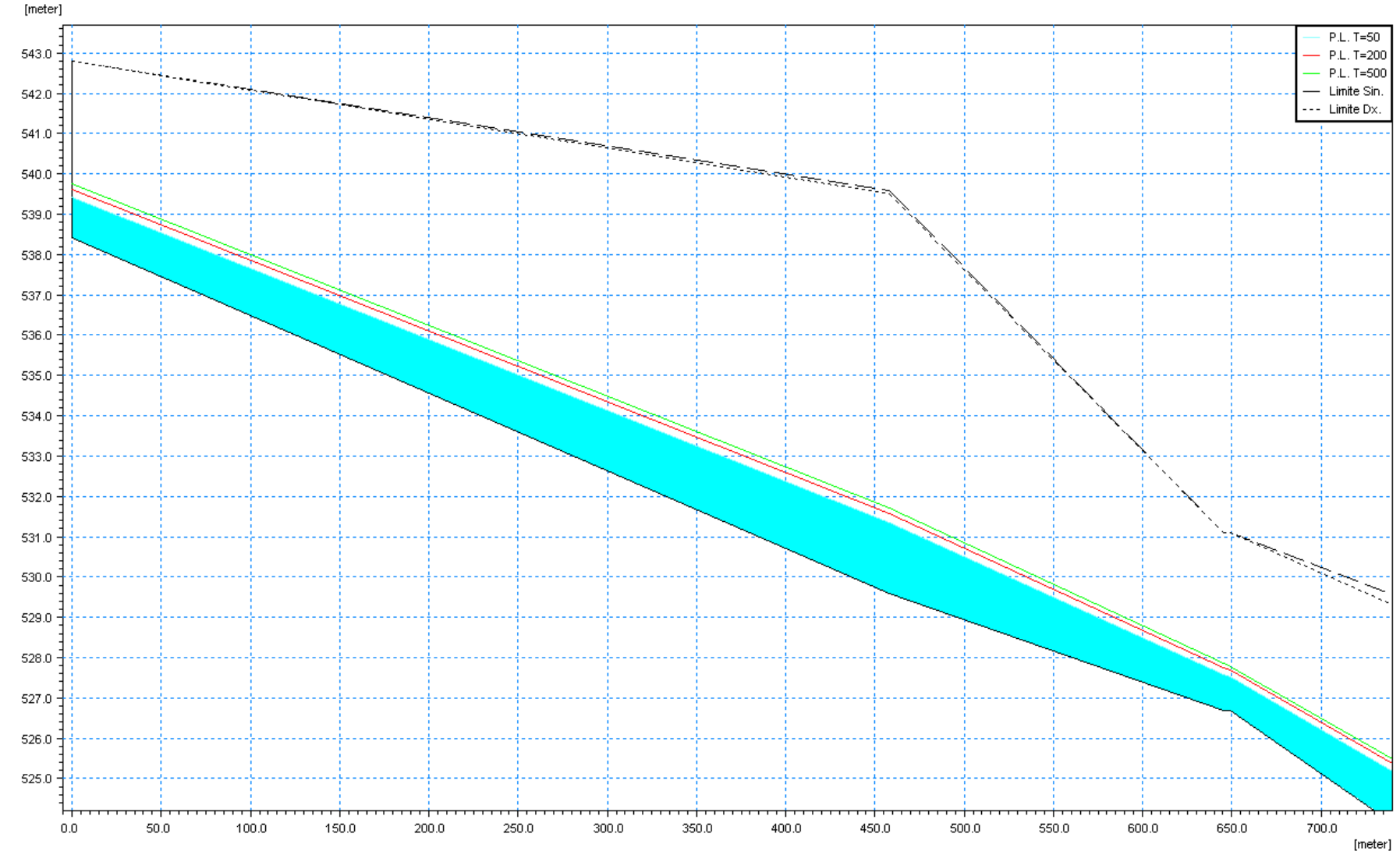


Progressiva	ID Sezione
1702.82	MA007
1817.44	
1927.07	MA008
2390.99	

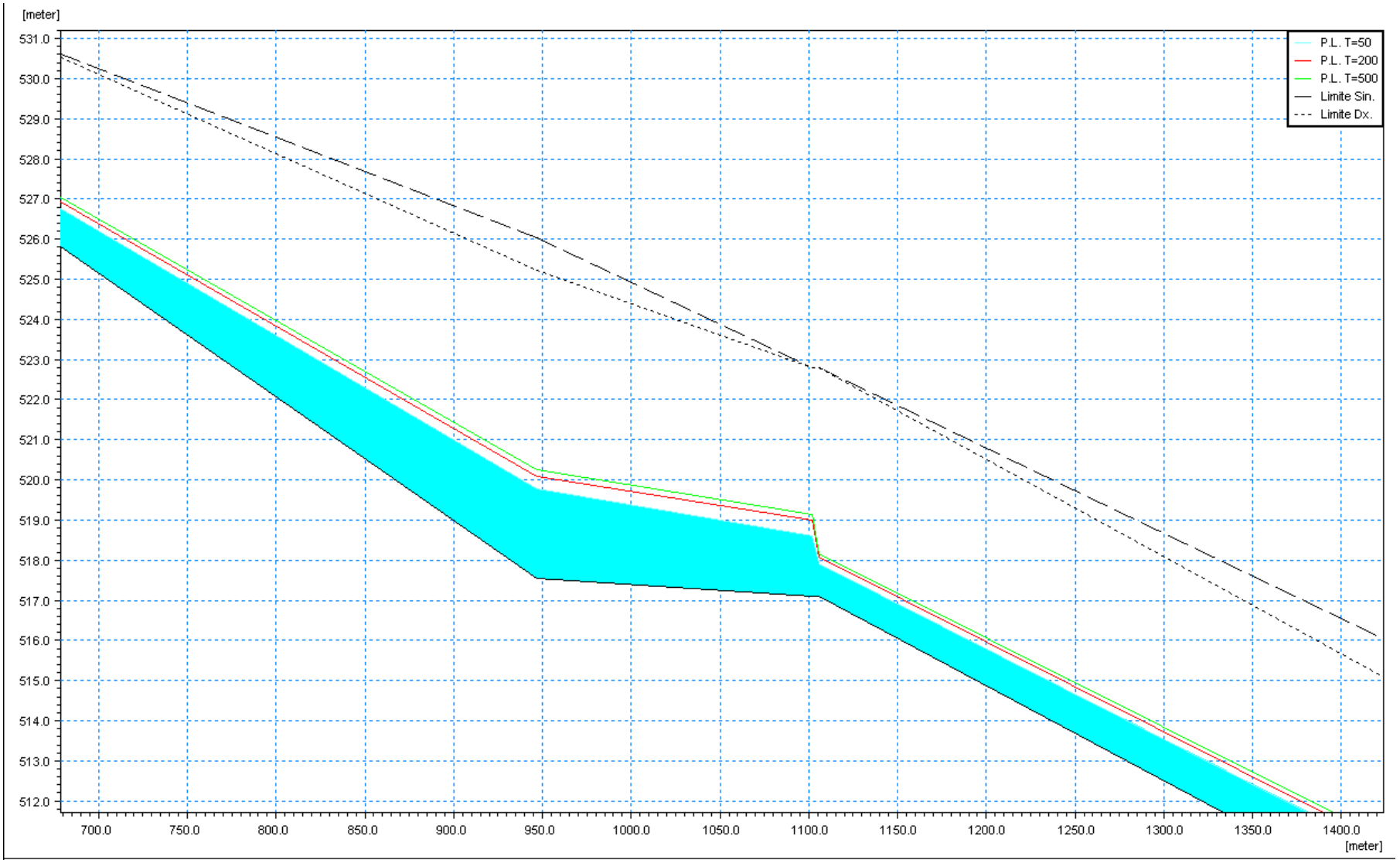


ID Sezione	M.A009		M.A010	M.A011	M.A012
Progressiva	2854.90	3081.13	3307.36	3351.30	3388.44	3421.94	3446.44

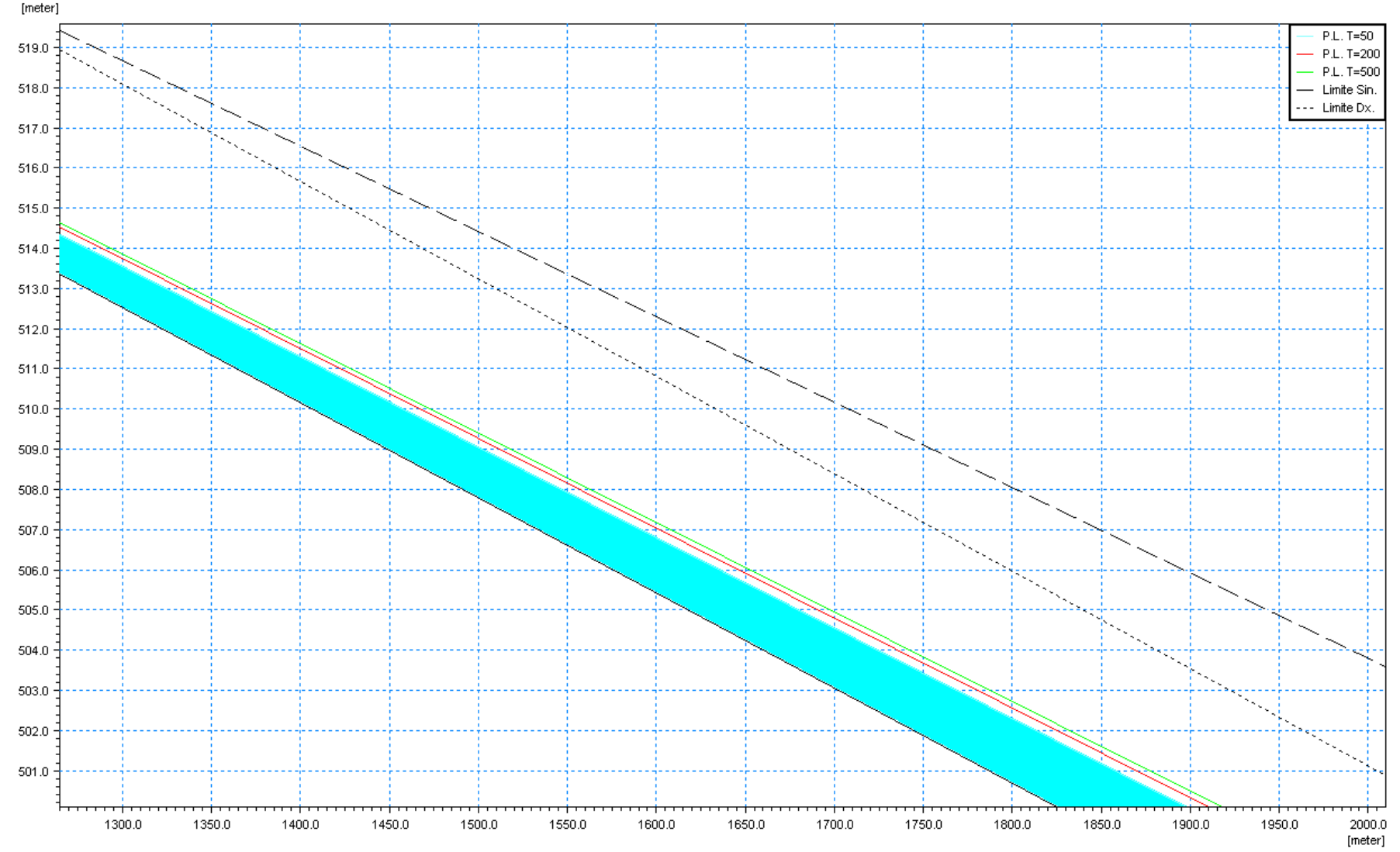
BORMIDA DI PALLARE



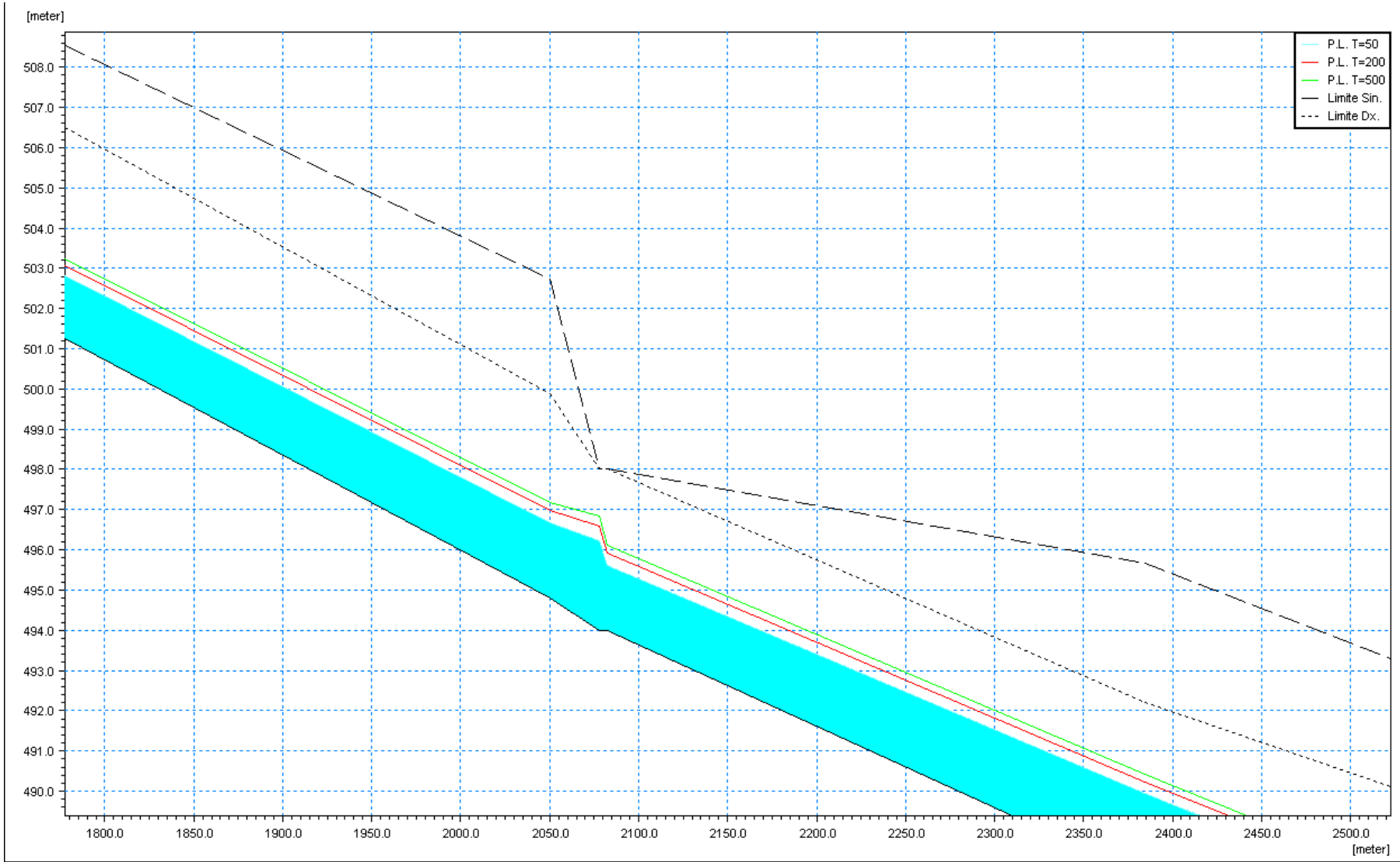
Progressiva	ID Sezione
0.00	BP001
228.88	
457.77	BP002
551.52	
645.26	BP003



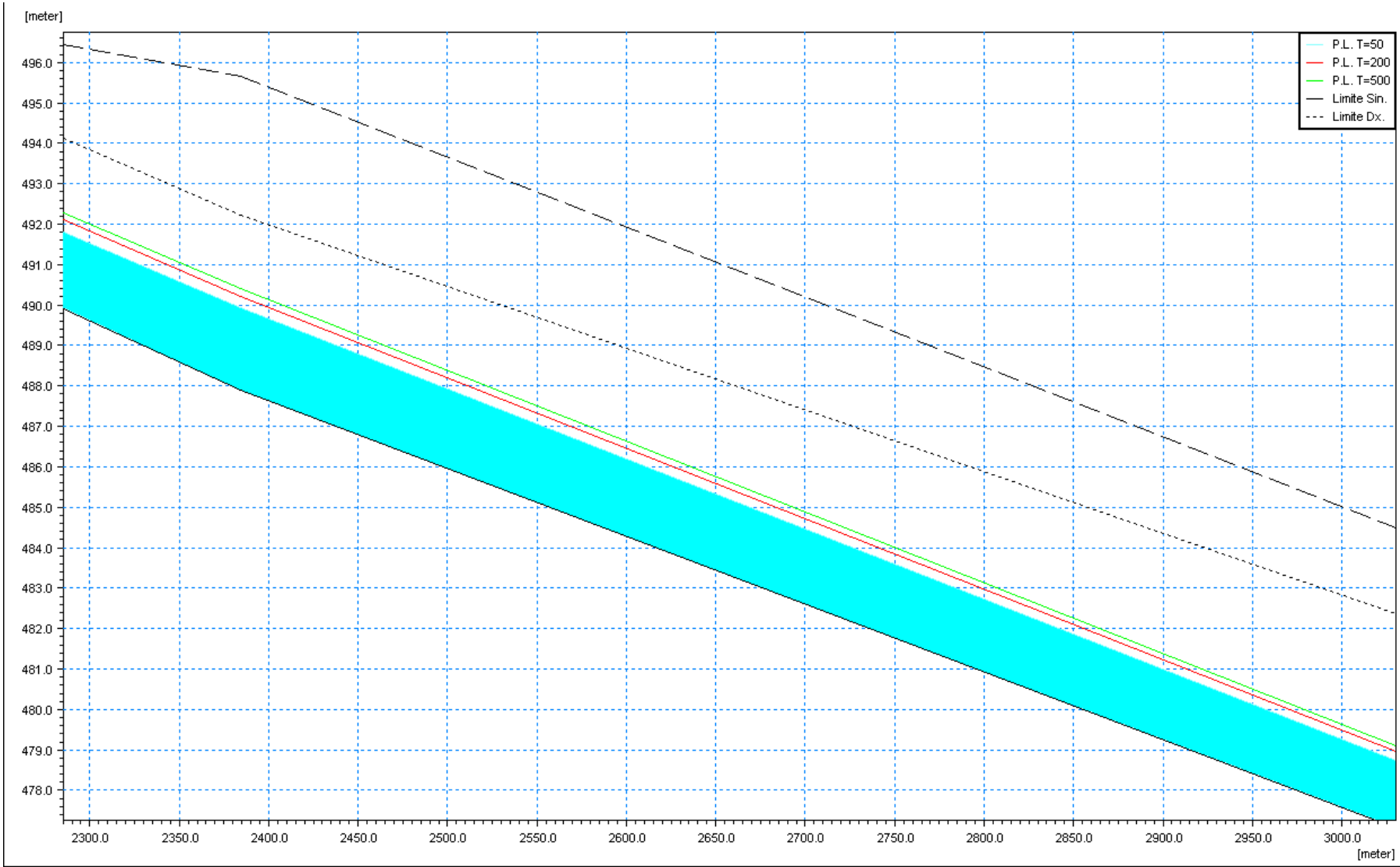
Progressiva	ID Sezione
797.92	
946.59	BP004
1024.18	
1101.76	BP005



Progressiva	ID Sezione
1577.88	

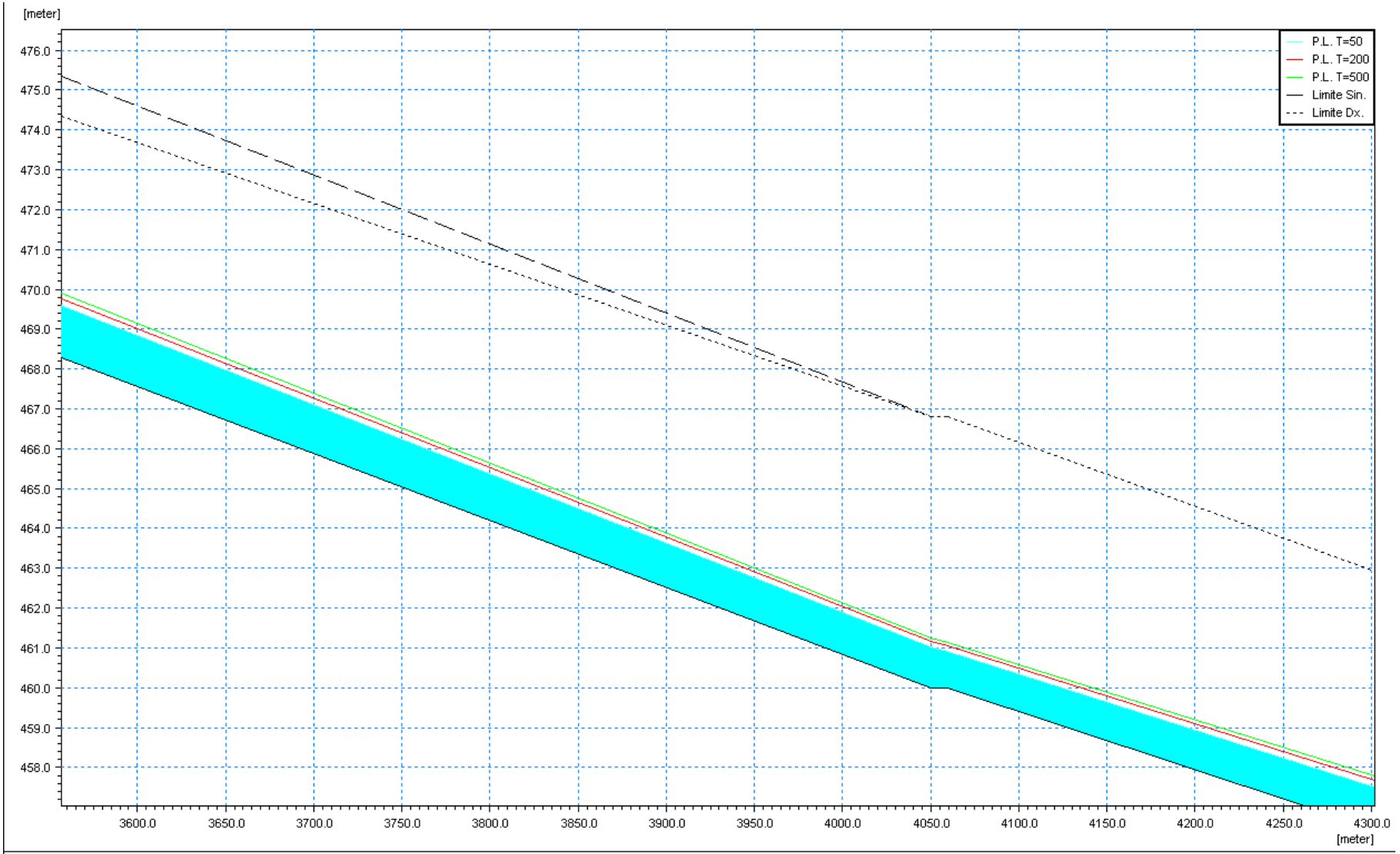


ID Sezione		BP006		BP007
Progressiva	2050.00	2064.10	2080.41	2233.57	2384.54

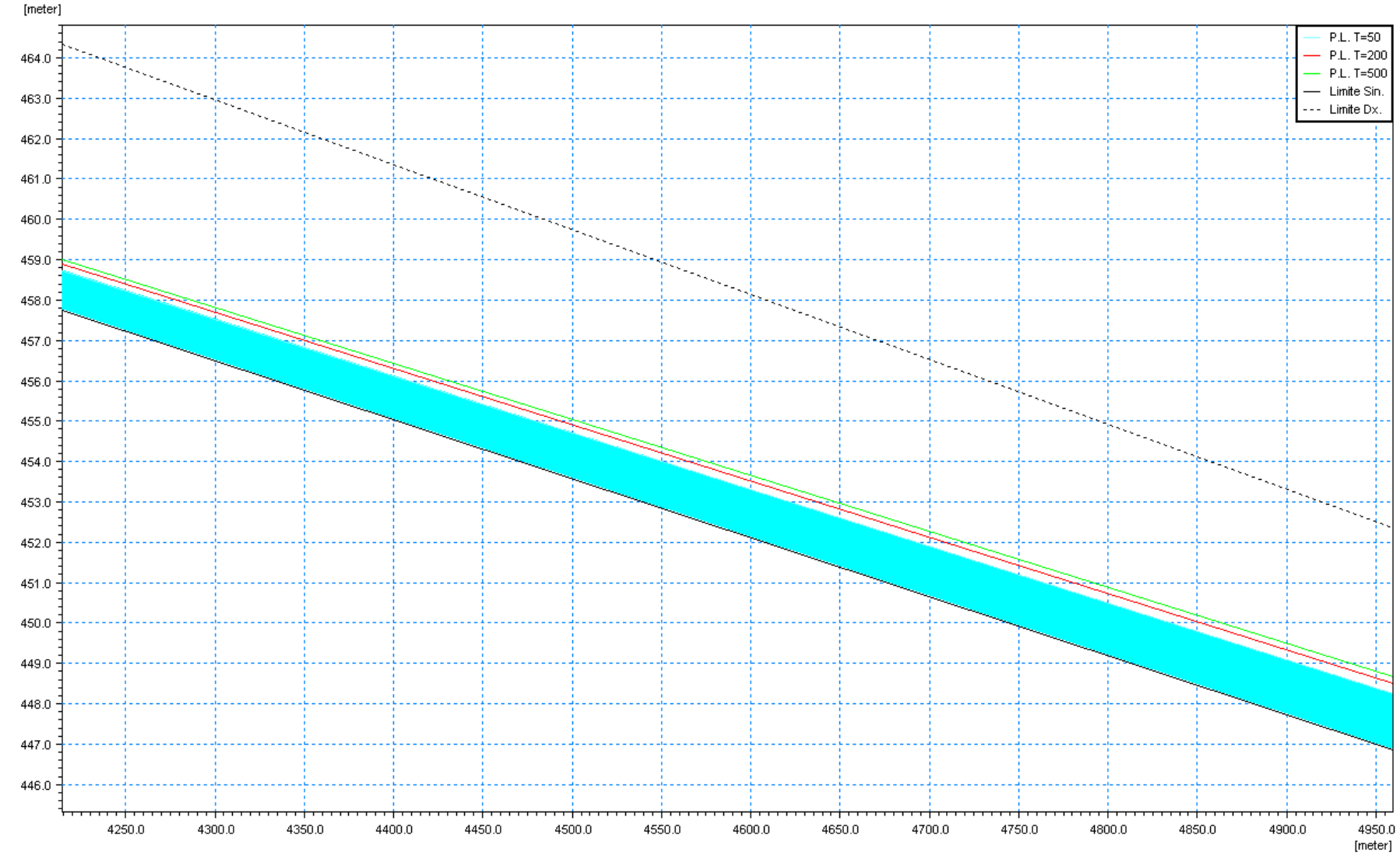


Progressiva	ID Sezione
2384.54	BP007

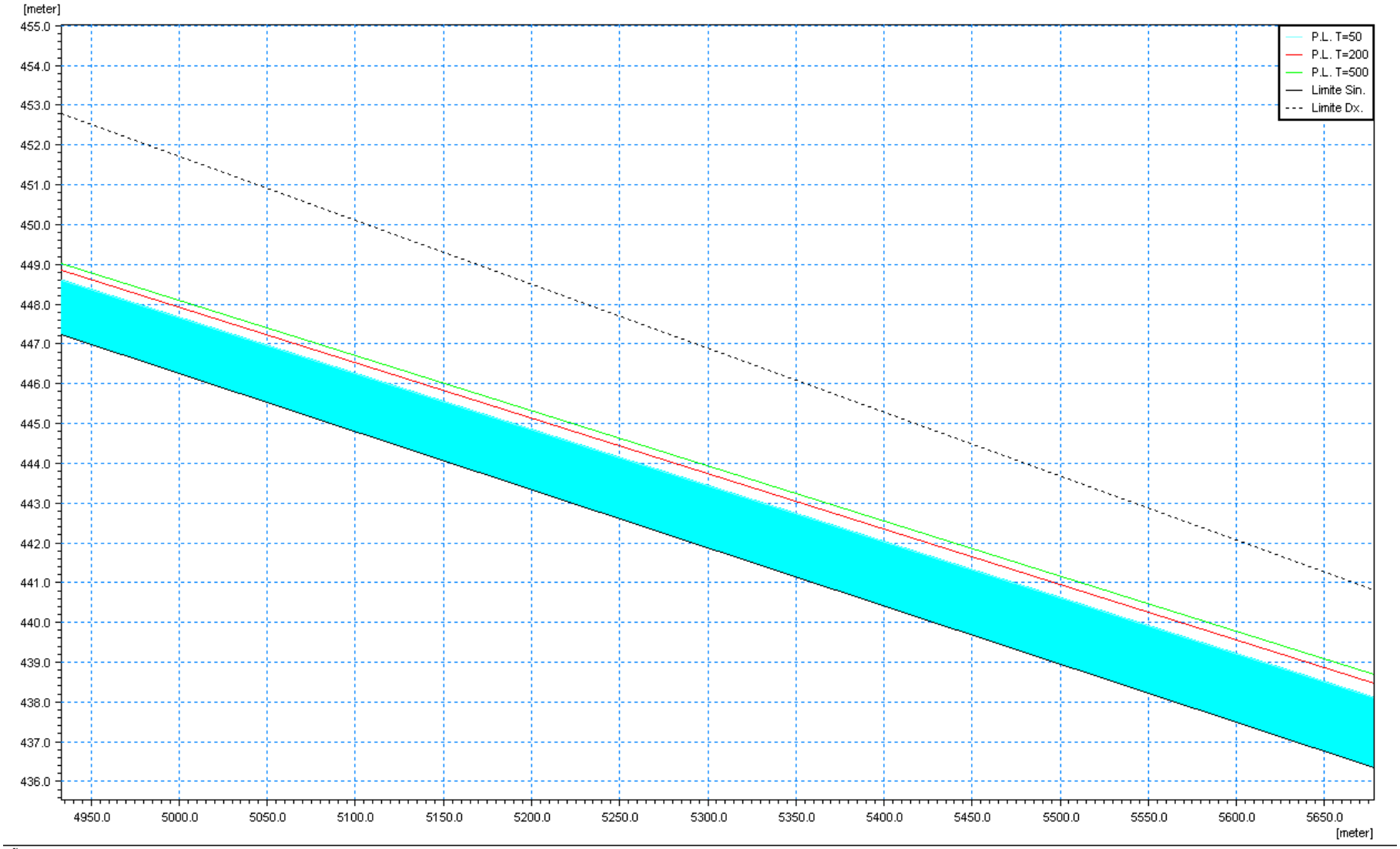
Progressiva	ID Sezione
3217.43	



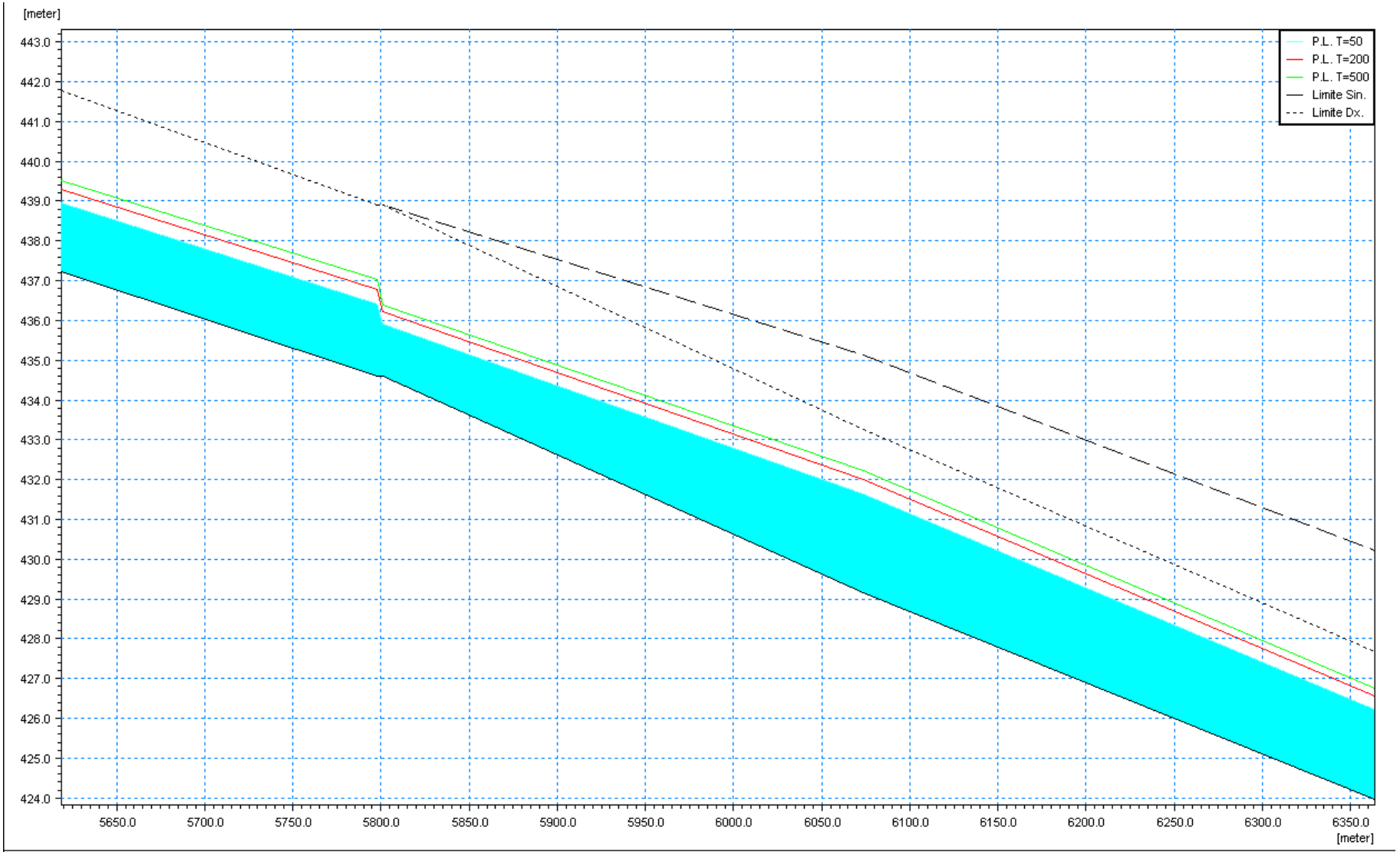
ID Sezione	BP008	BP008.1
Progressiva	4050.32	4059.82



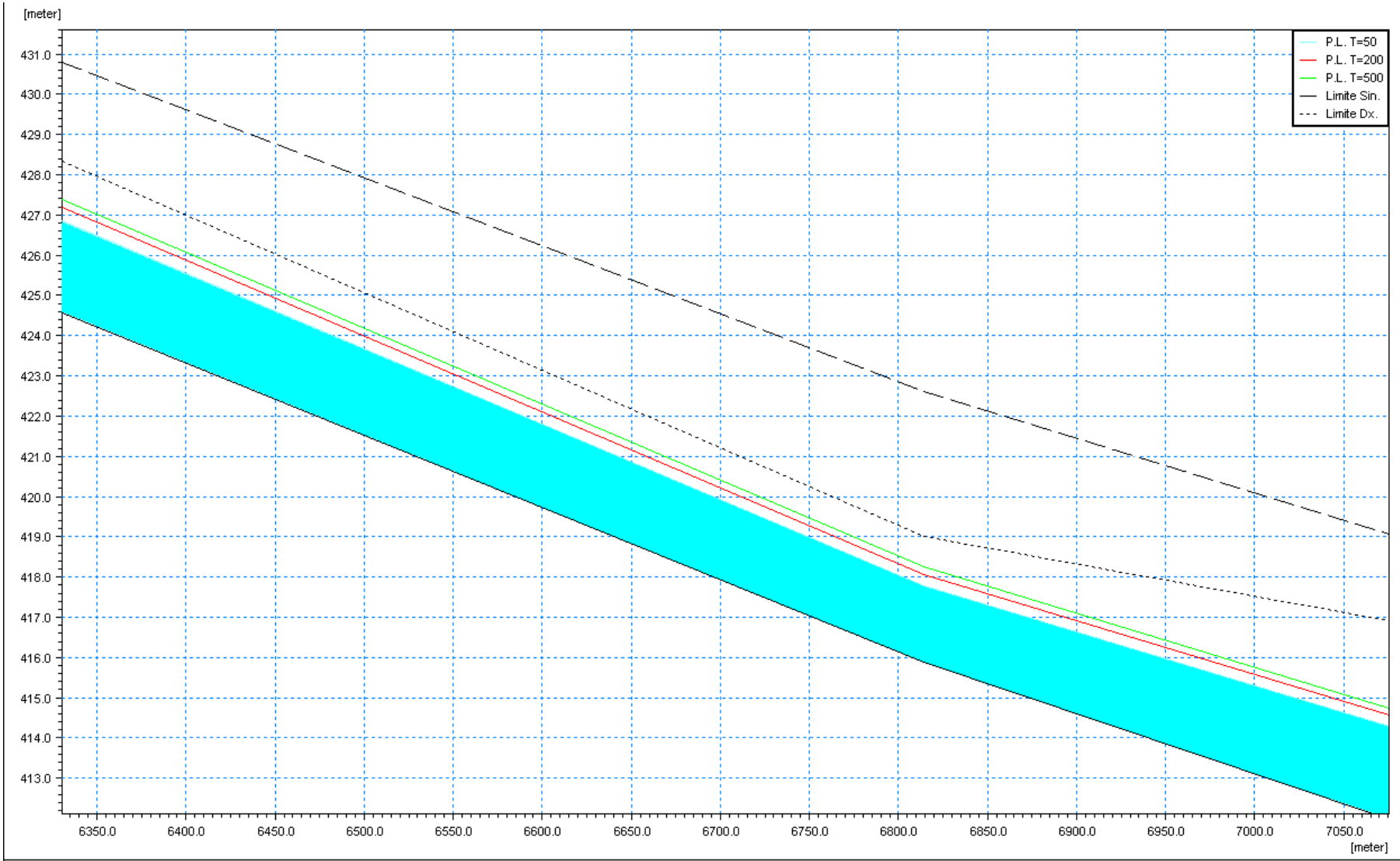
Progressiva	ID Sezione
4928.83	



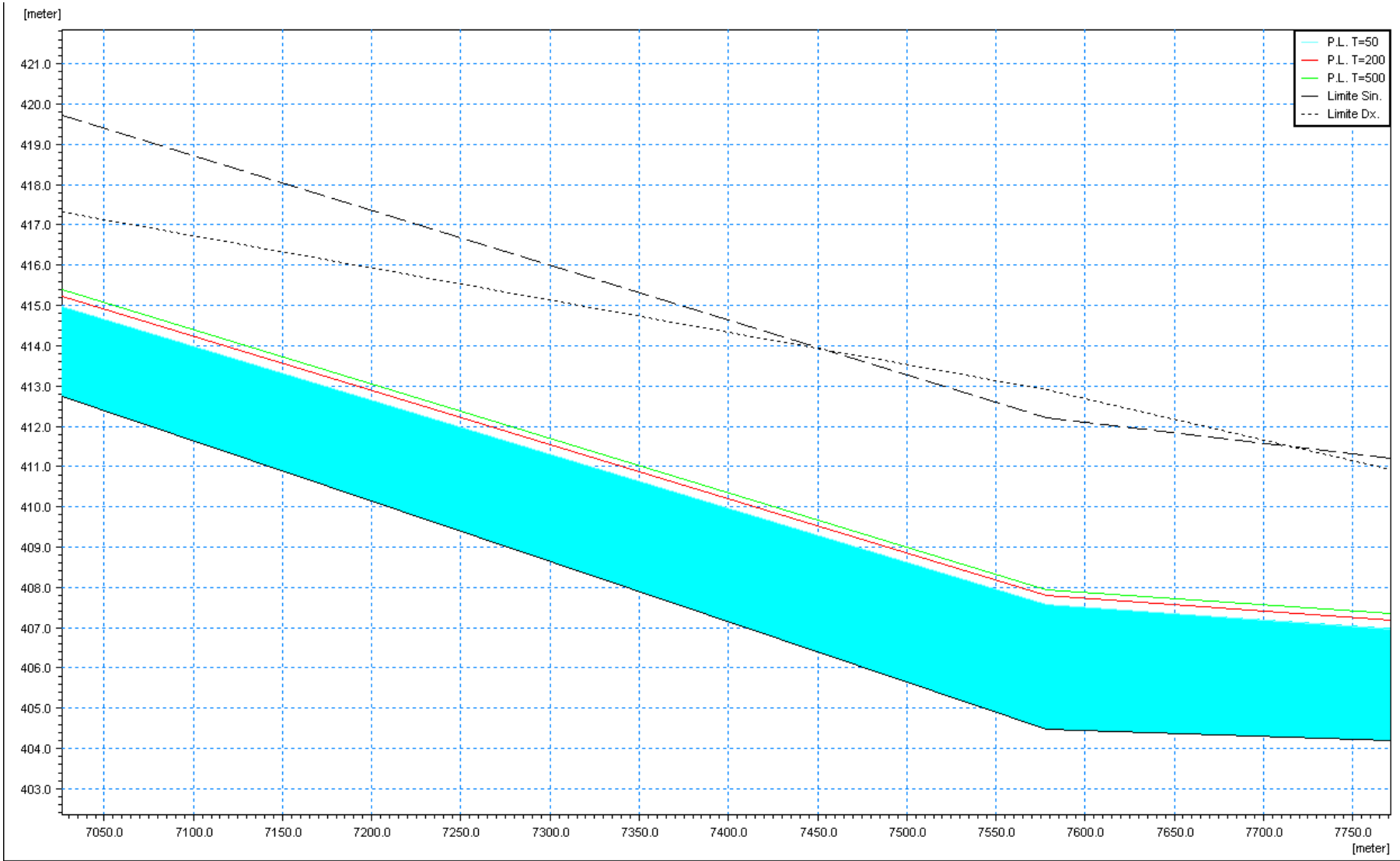
Progressiva	ID Sezione



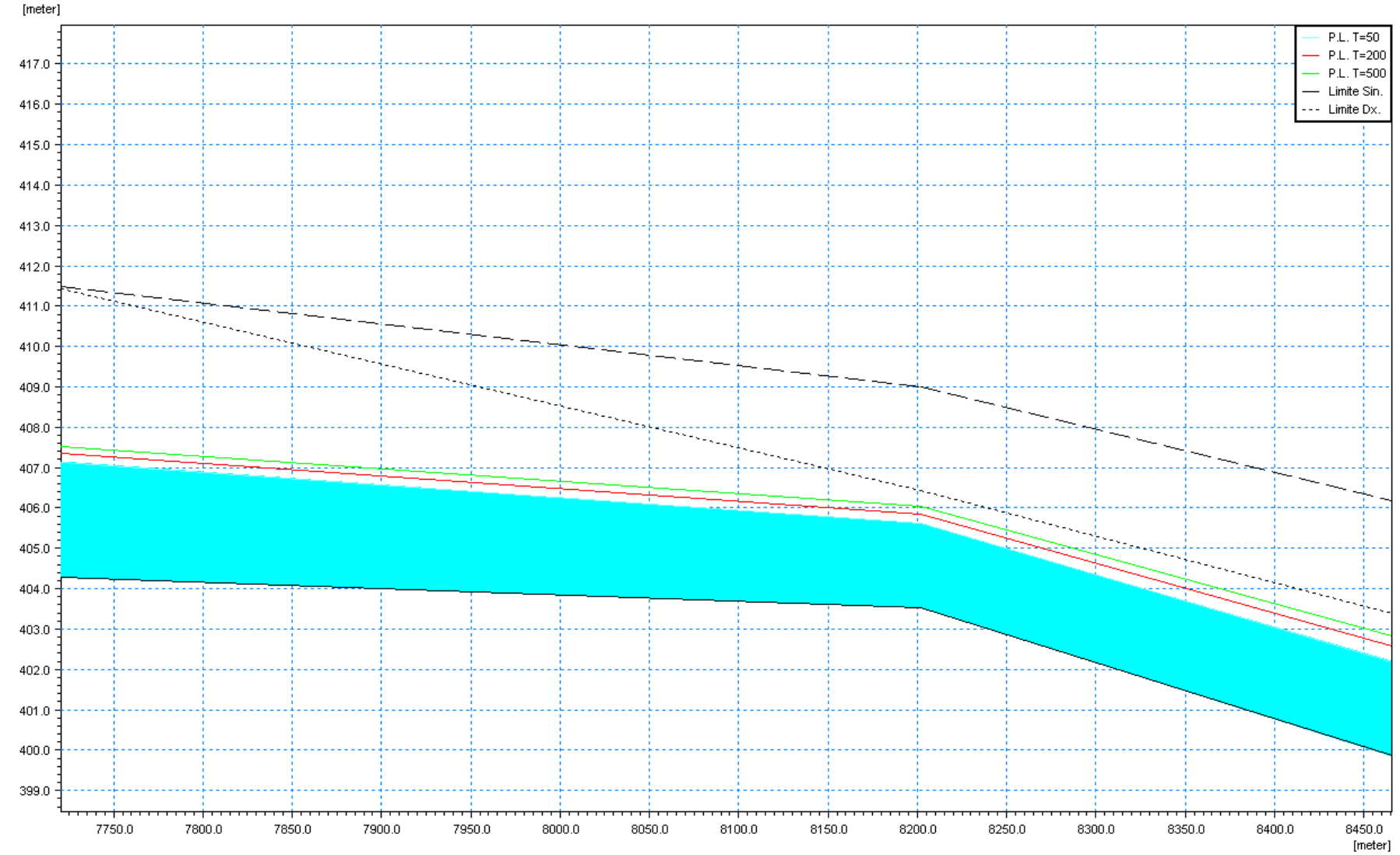
ID Sezione	BP009		BP010
Progressiva	5797.84	5937.21	6073.48



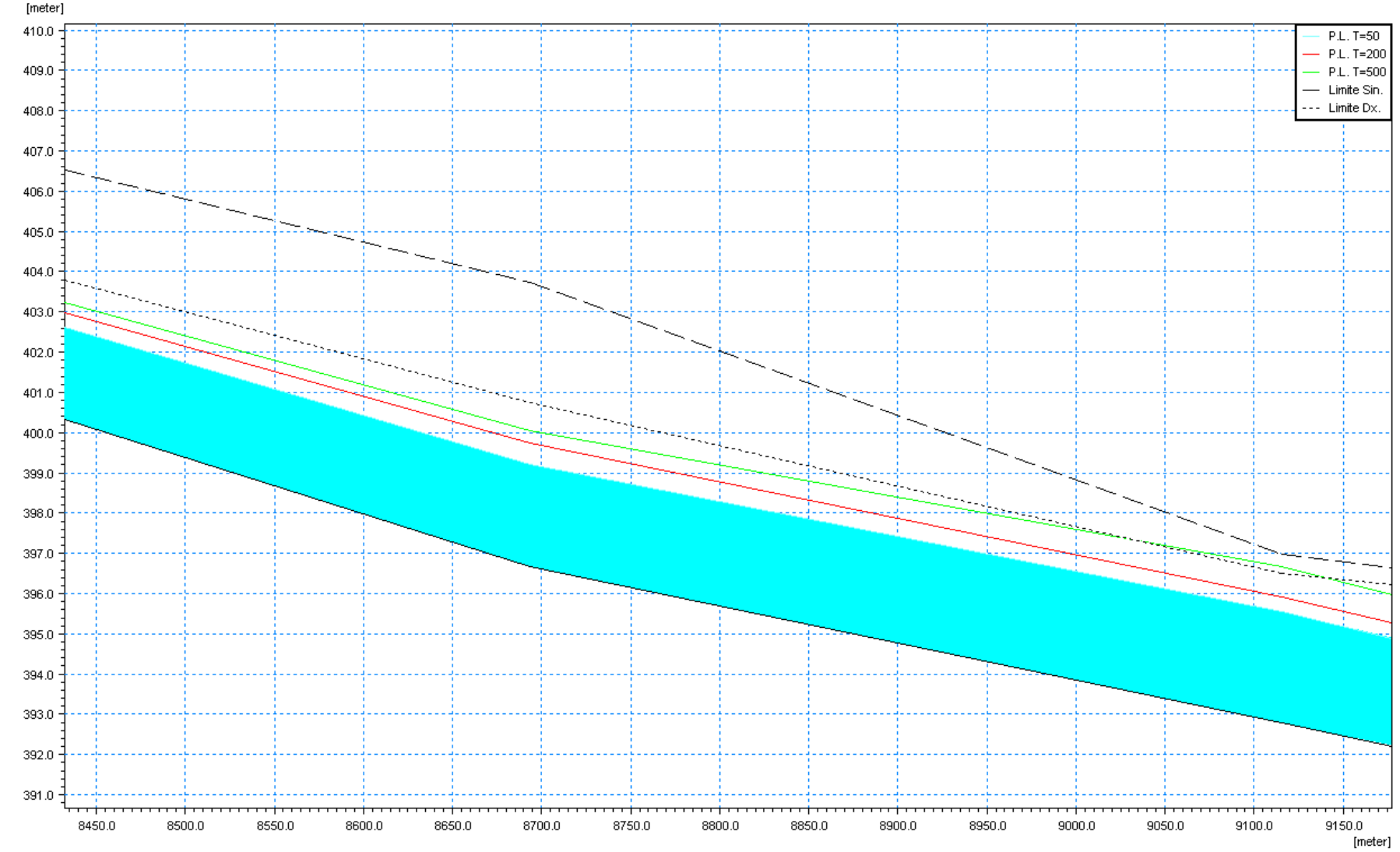
Progressiva	ID Sezione
6443.94	
6814.41	BP011



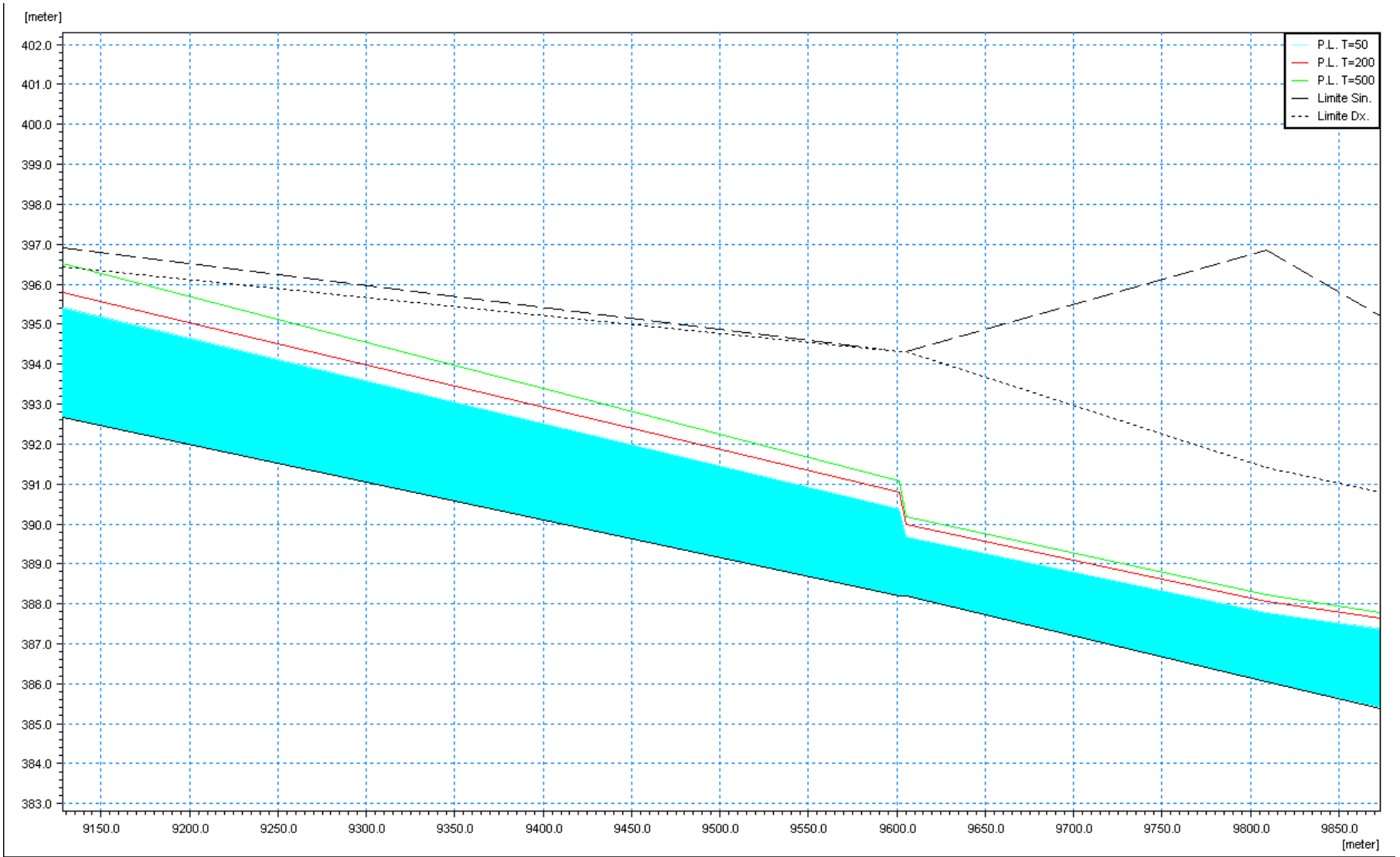
Progressiva	ID Sezione
7196.52	
7578.62	BP012



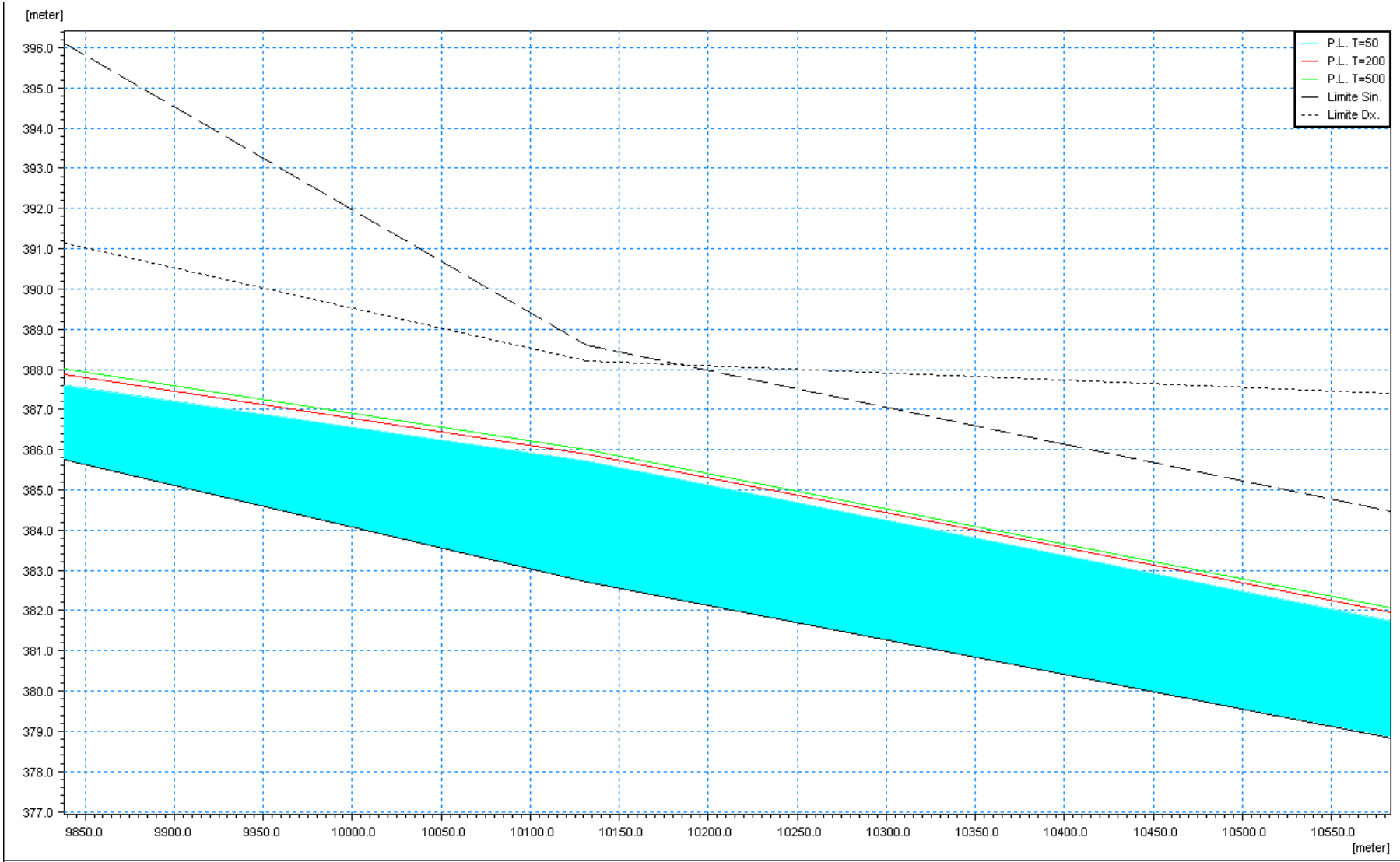
Progressiva	ID Sezione
7890.43	
8202.24	BP013
8447.76	



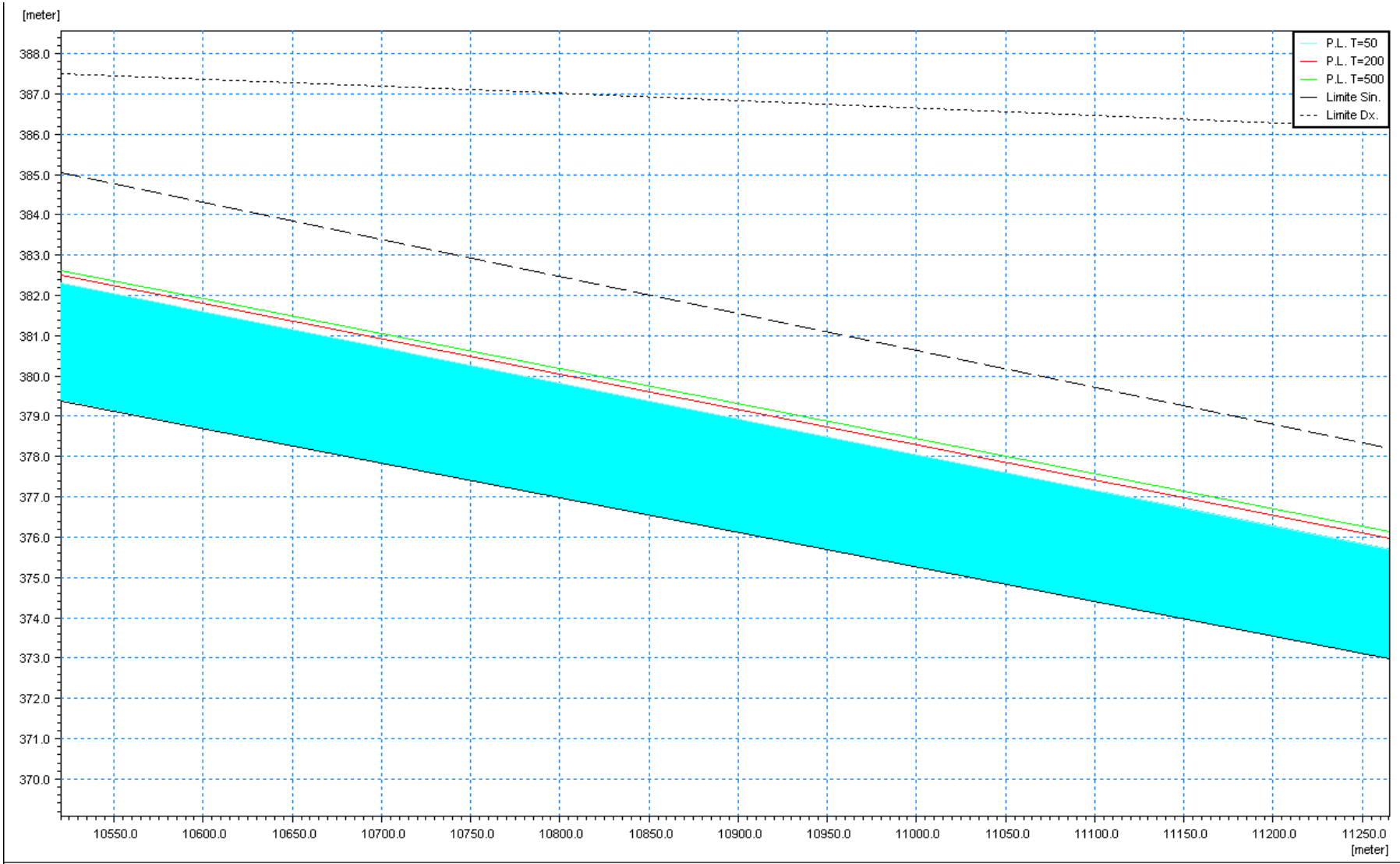
ID Sezione		BP014		BP015
Progressiva	8447.76	8693.28	8904.44	9115.60



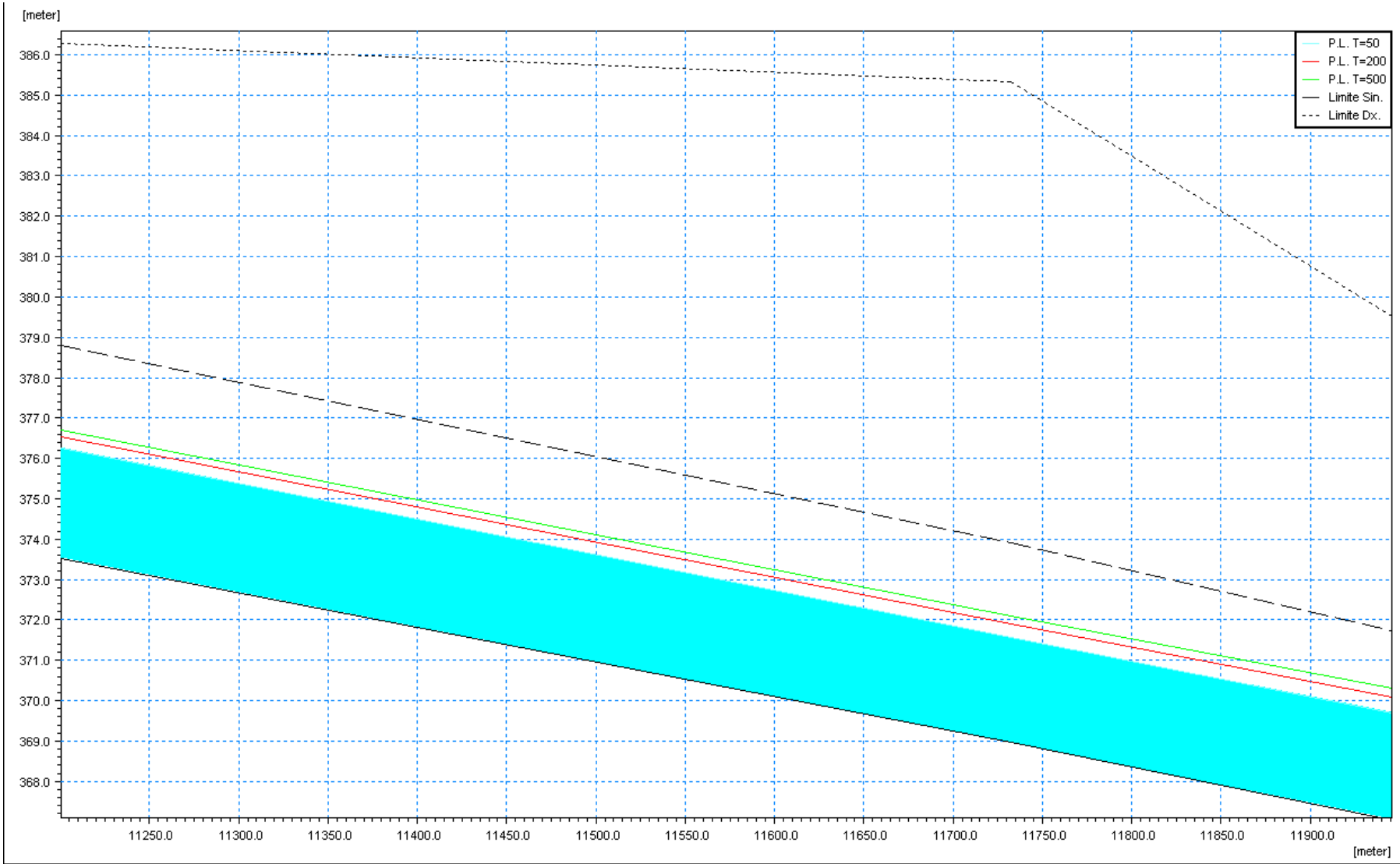
Progressiva	ID Sezione
9358.67	
9601.74	BP016
9707.21	
9808.99	BP017



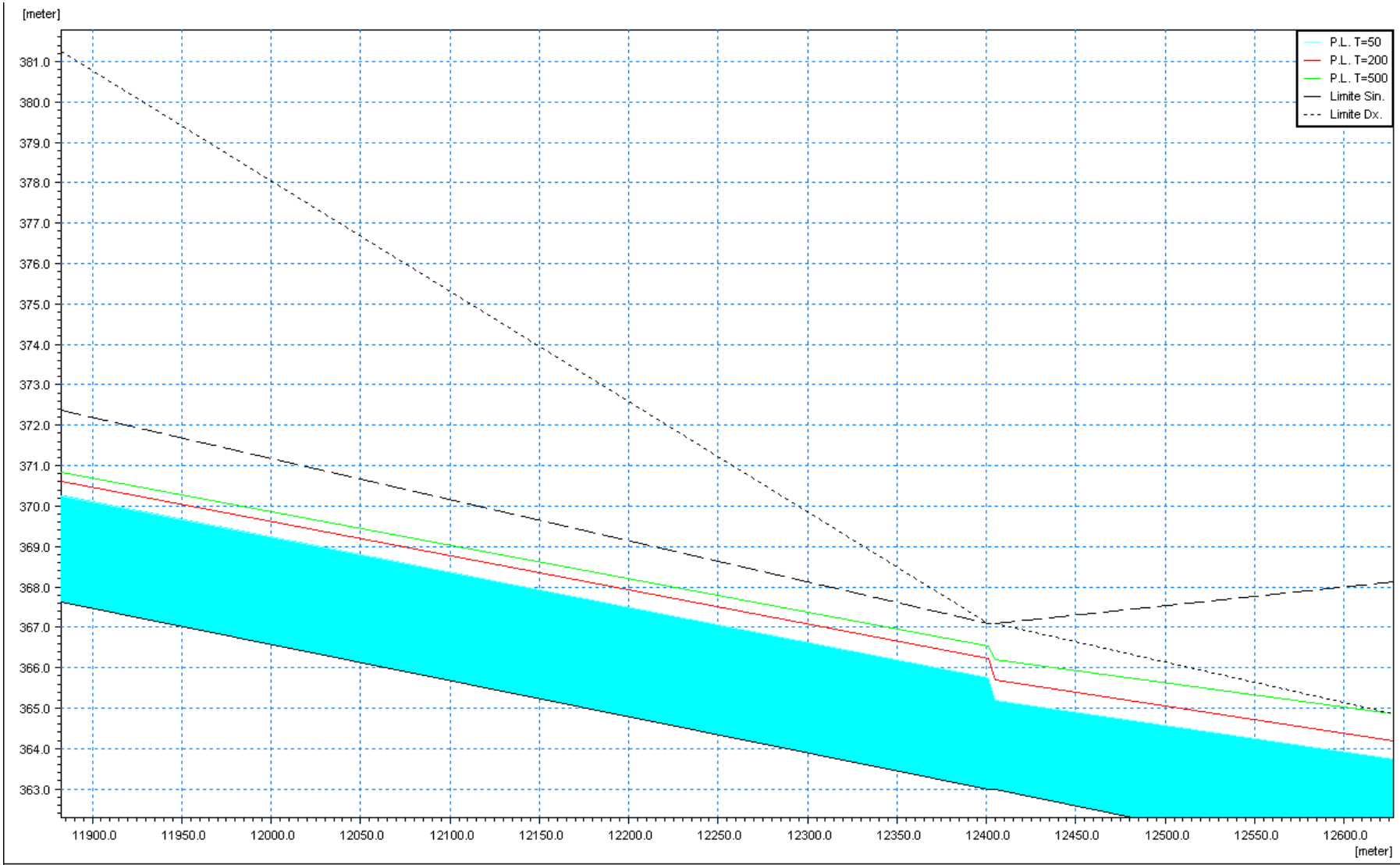
ID Sezione		BP018		BP019
Progressiva	9970.29	10131.60	10265.39	10399.19



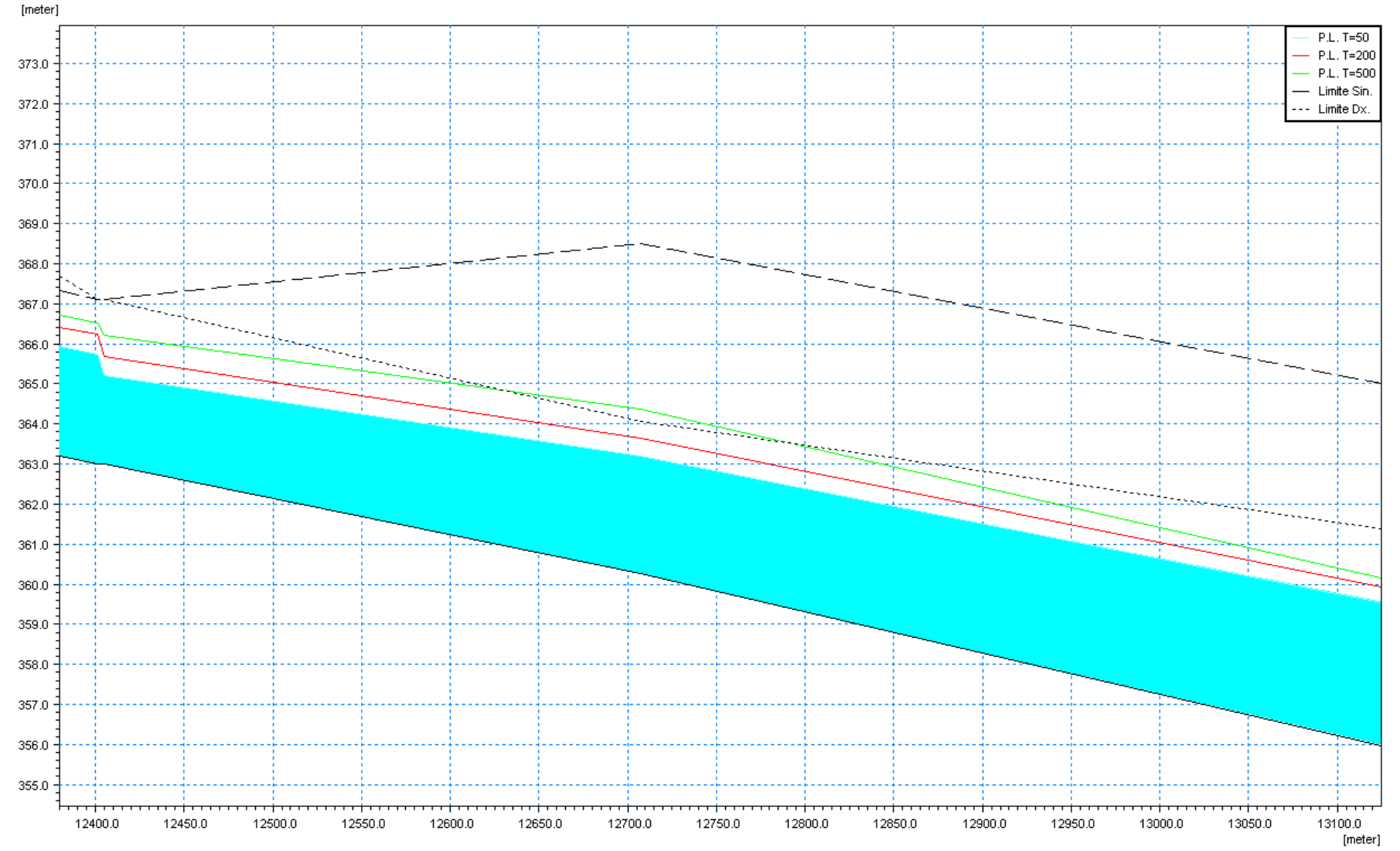
Progressiva	ID Sezione
10590.08	
10780.98	BP020
11256.54	



Progressiva	ID Sezione
11256.54	
11732.10	BP021

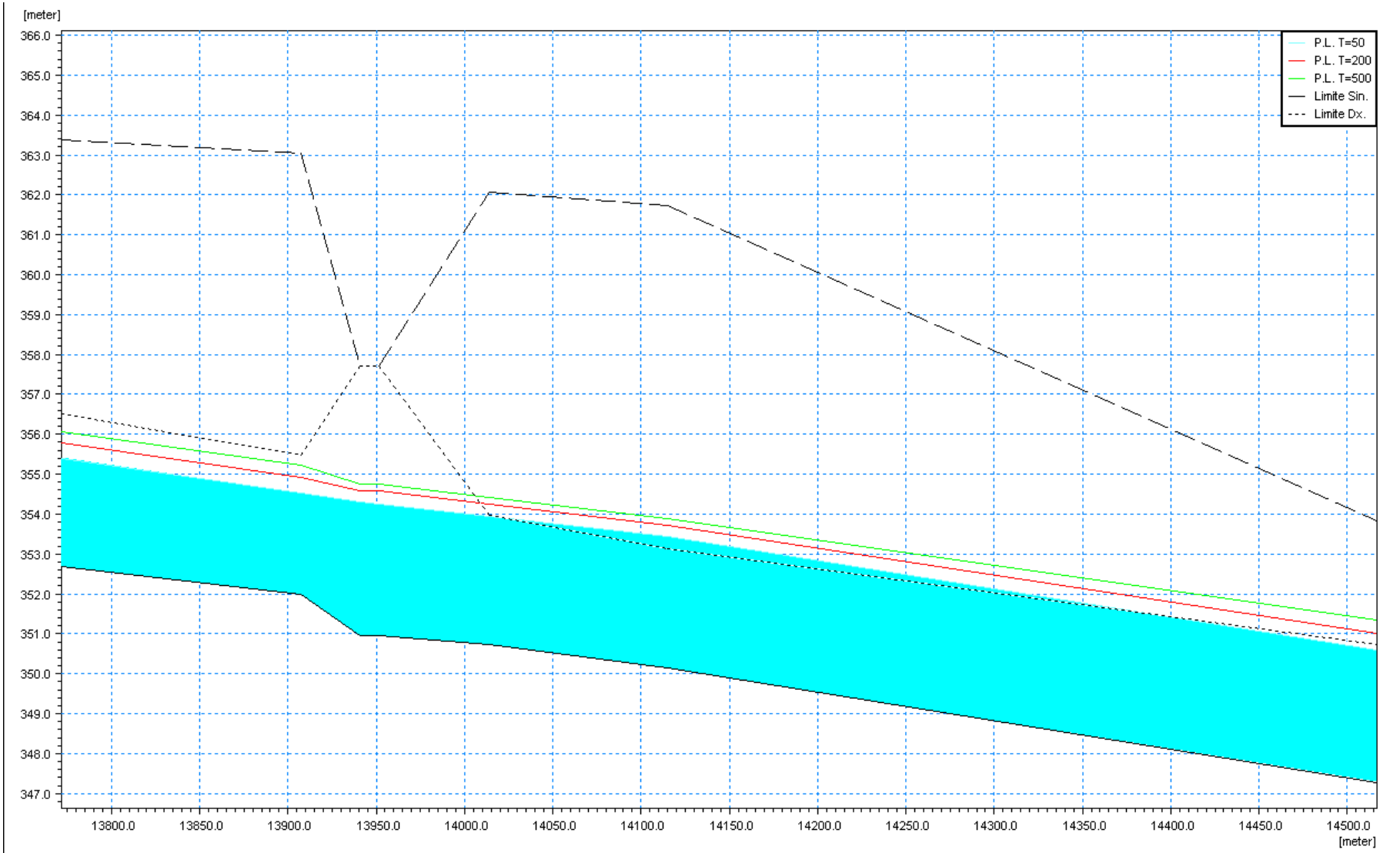


Progressiva	ID Sezione
12066.79	
12401.48	BP022
12556.24	

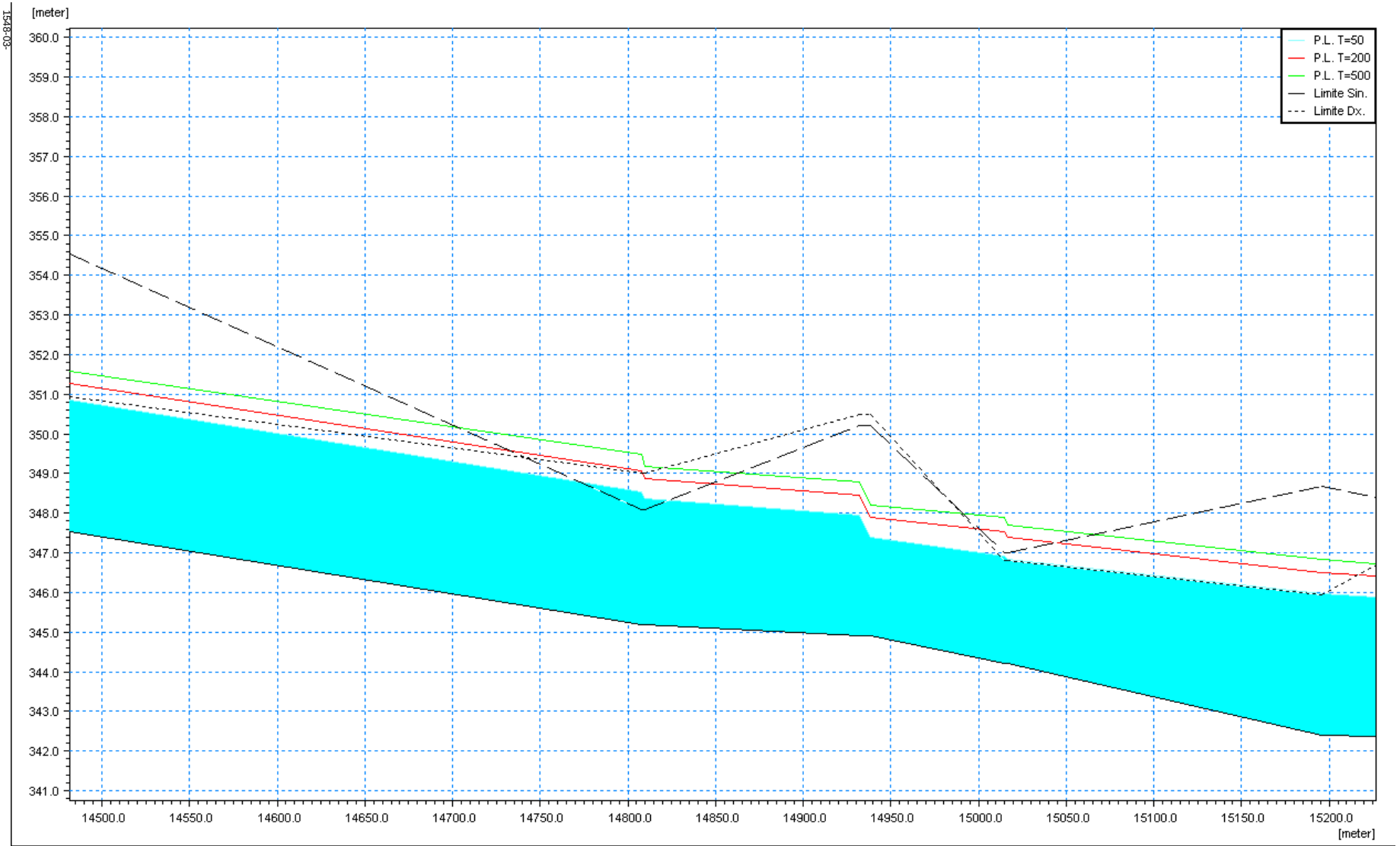


Progressiva	12401.48	12556.24	12707.30	12919.55
ID Sezione	BP022		BP023	

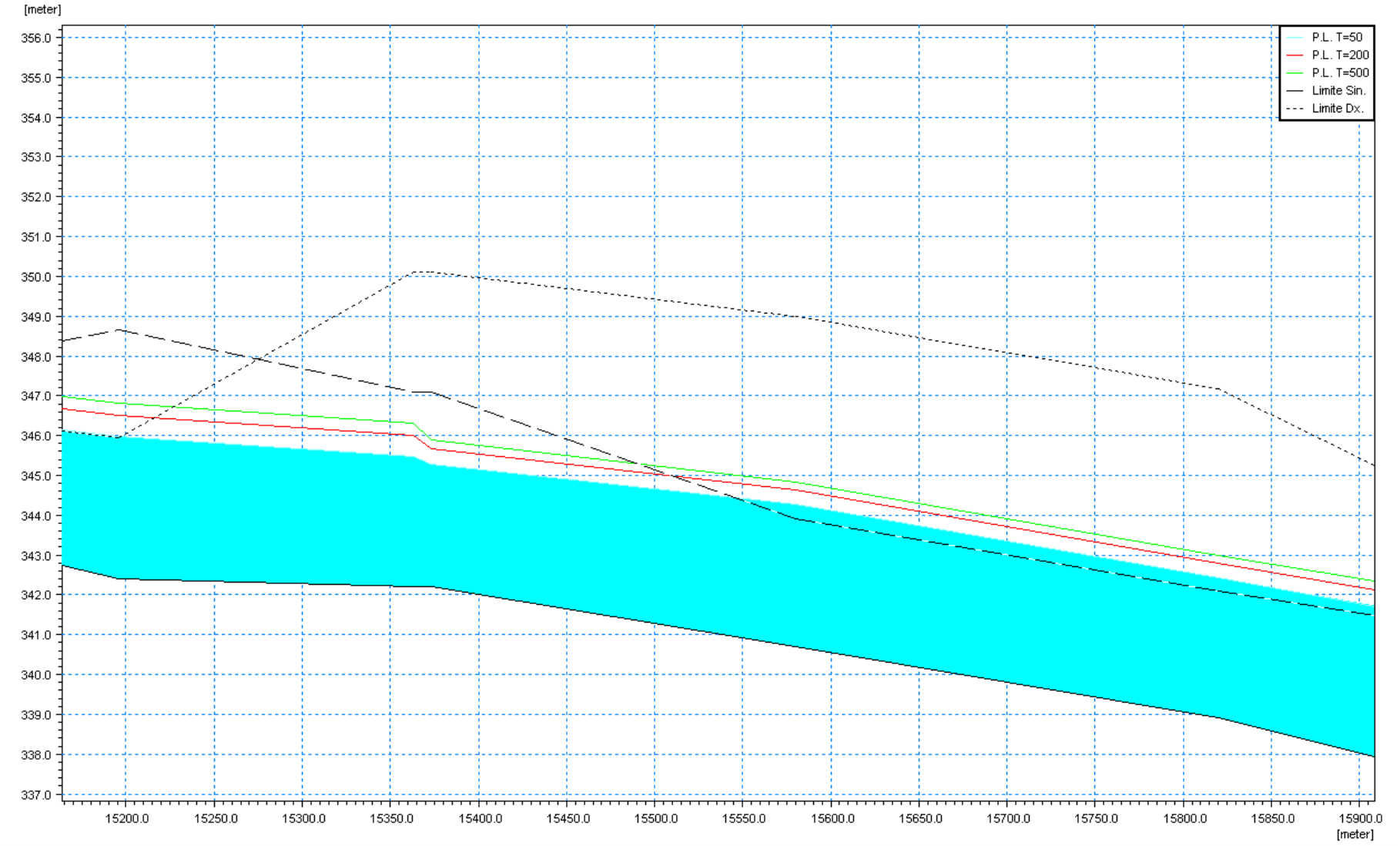
Progressiva	ID Sezione
13131.80	BP024
13519.45	



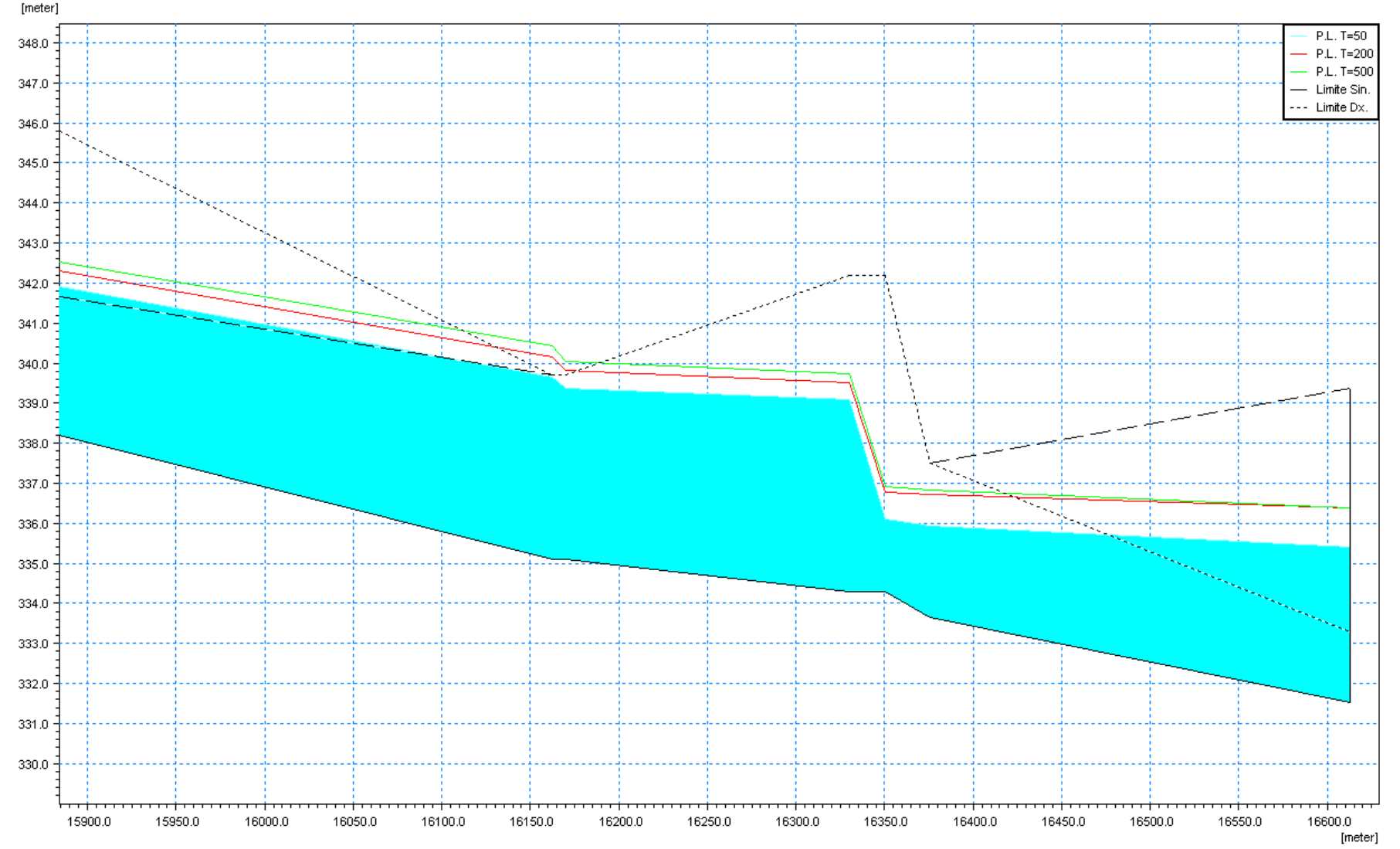
Progressiva	ID Sezione
13907.09	BP025
13923.83	
13940.56	BP026
13982.63	BP026.1
14014.00	
14064.46	
14114.91	BP027
14461.42	



Progressiva	ID Sezione
14807.92	BP028
14871.01	
14932.10	BP029
14976.58	
15014.57	BP030
15106.29	
15196.00	BP031

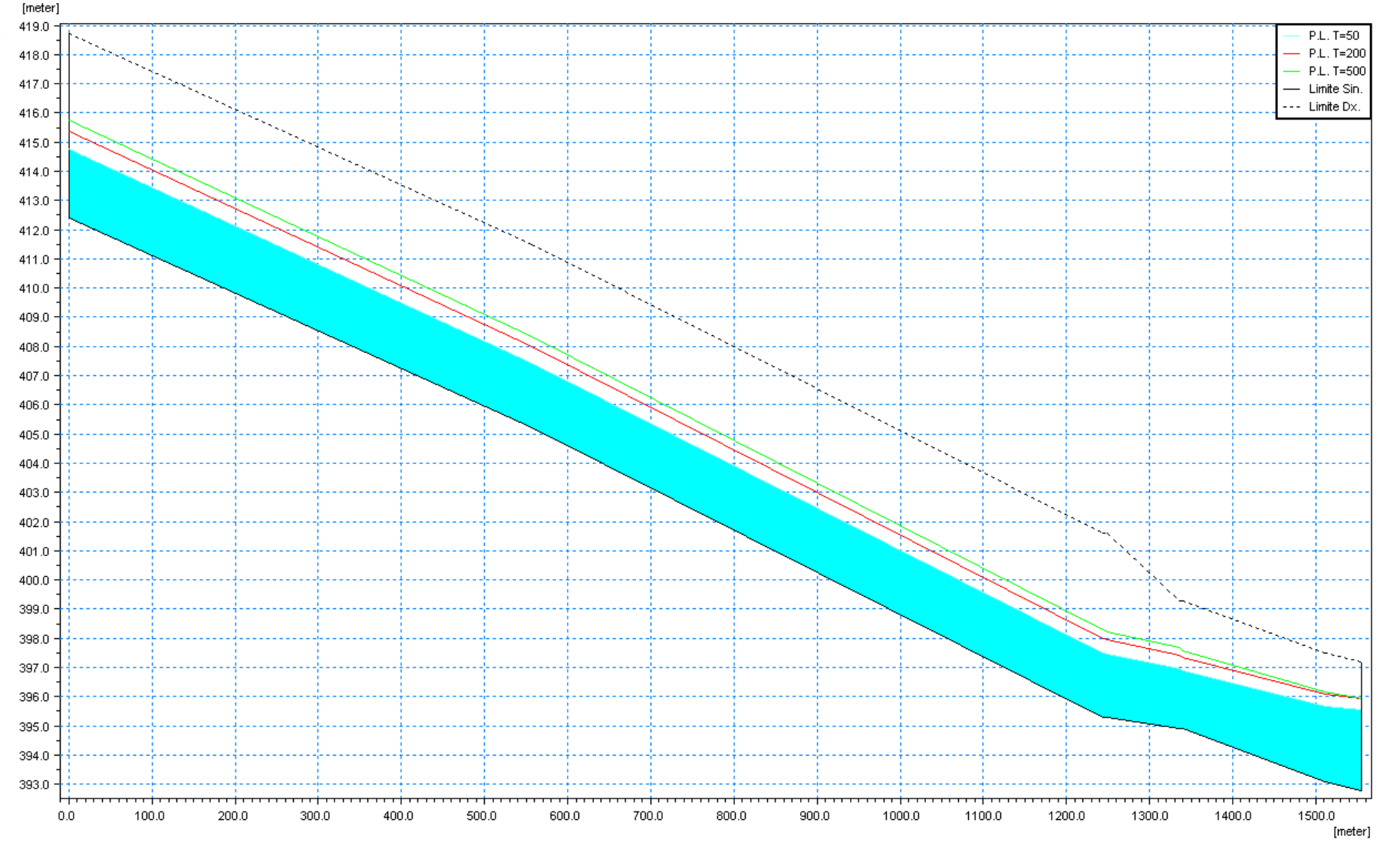


ID Sezione	BP031	BP032	BP032.1	CONFL_NA	BP033
Progressiva	15196.00	15279.45	15362.89	15372.89	15476.45	15580.00	15700.04	15820.09



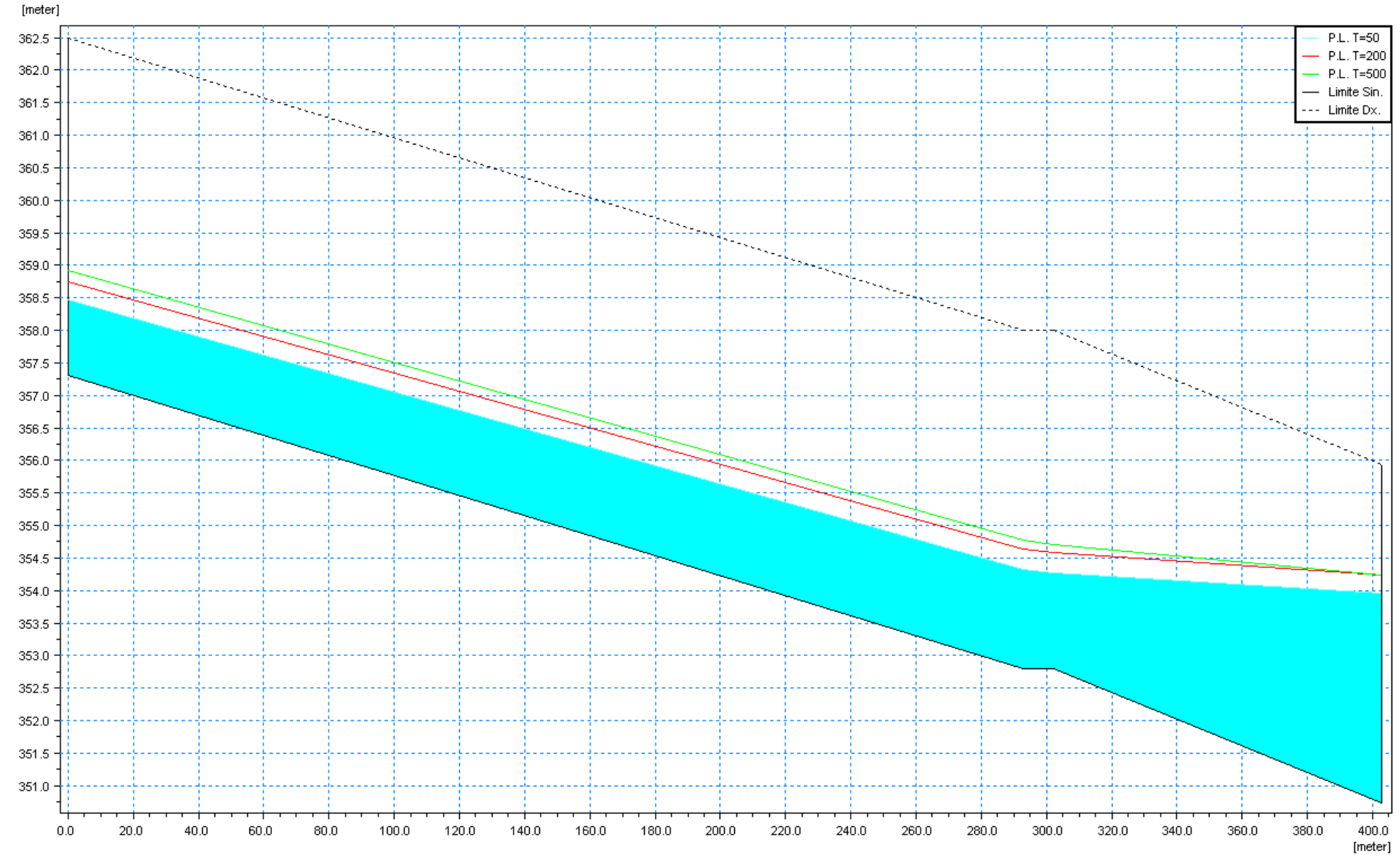
ID Sezione		BP034		BP035	BP035.1	BP036			BS001
Progressiva	15991.08	16162.06	16250.01	16330.17	16340.17	16362.81		16494.22	16613.00

TORRENTE VIAZZA



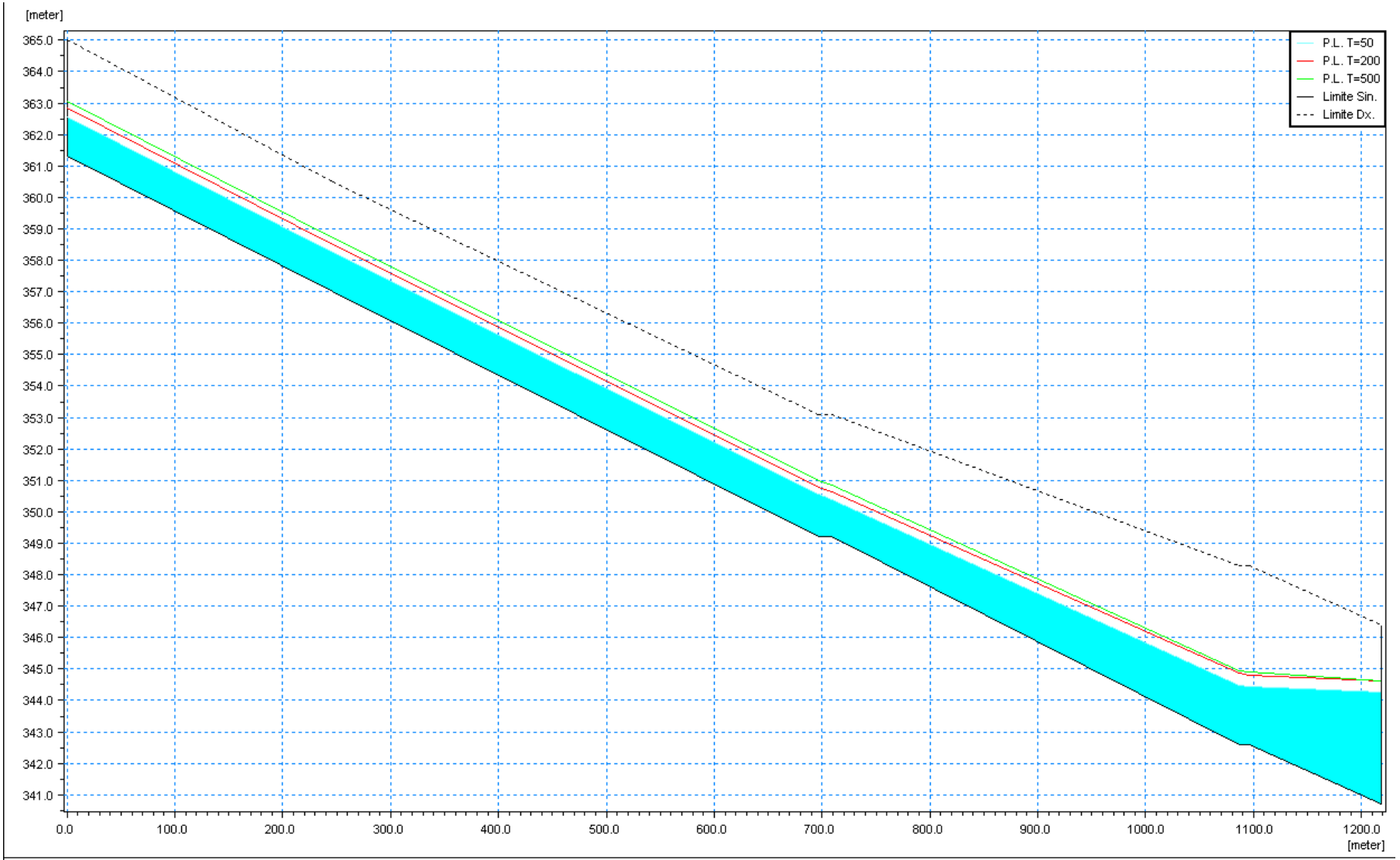
ID Sezione	Progressiva
V001	0.00
	278.90
V002	557.81
	900.93
V003	1244.05
	1292.81
V004	1336.38
	1425.54
V005	1511.10

RIO PLODIO



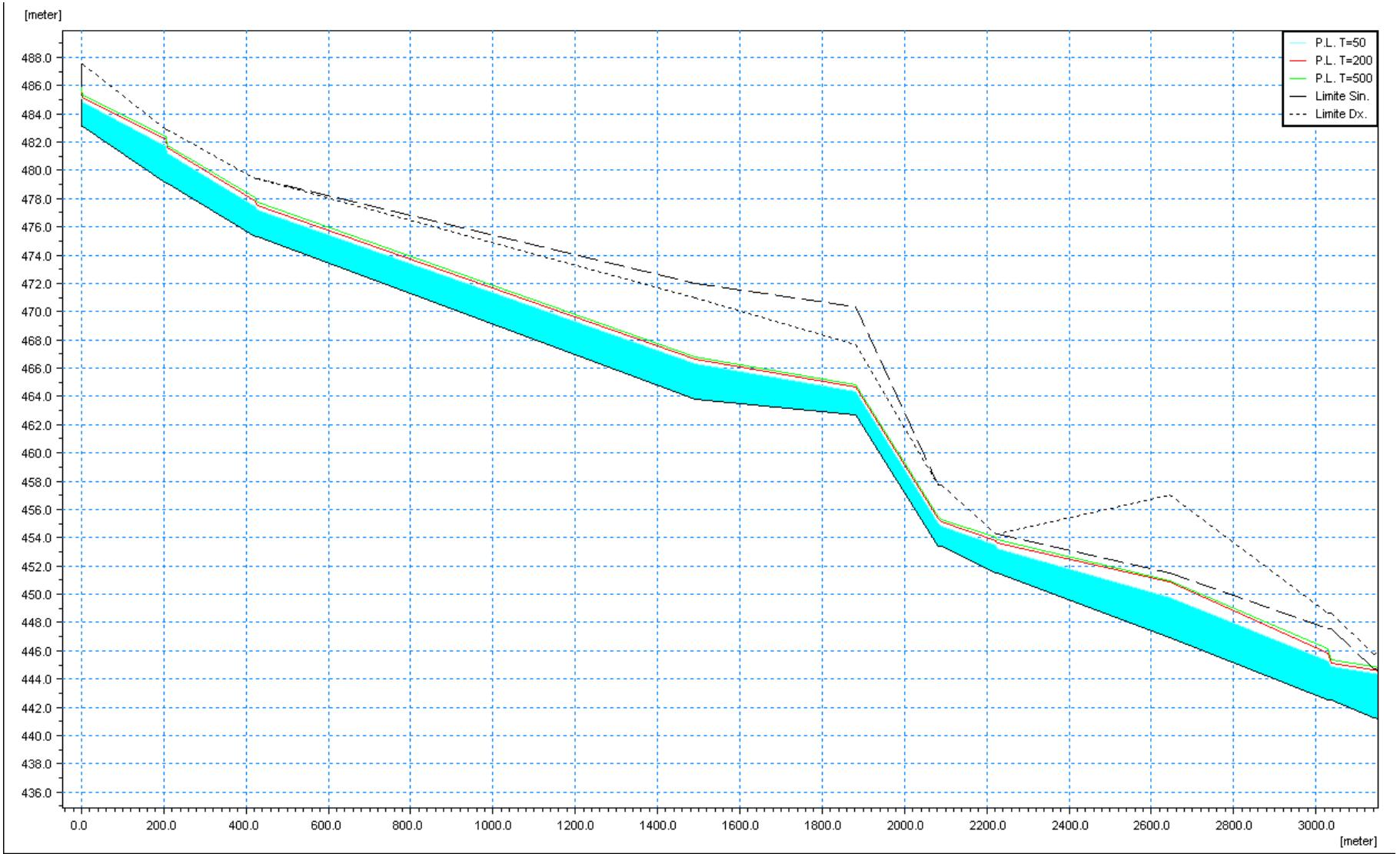
ID Sezione	PL001	PL002	PL002.1	PL003
Progressiva	0.00	146.45	292.90	302.30	352.55	402.80

RIO NANTA

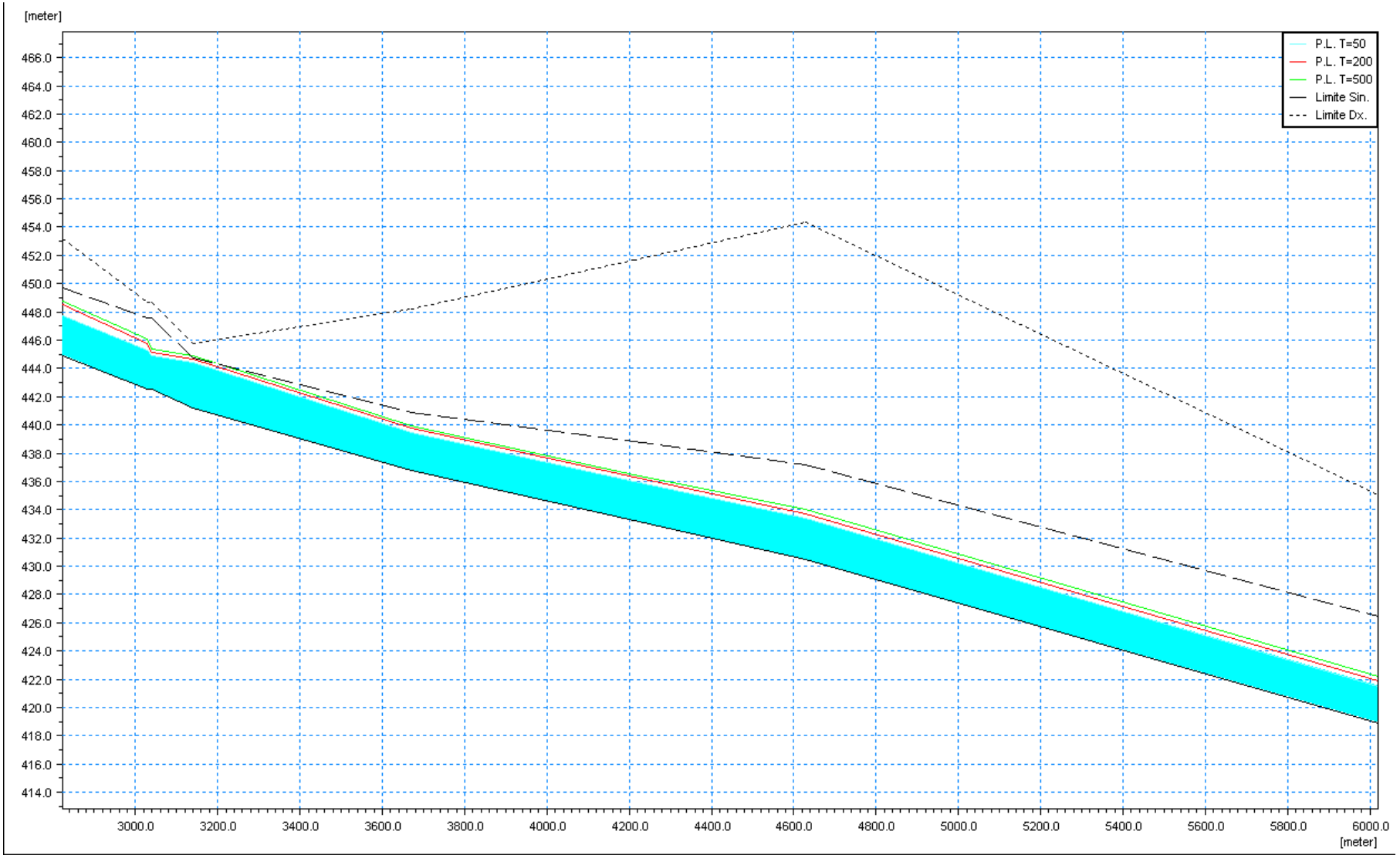


ID Sezione	NA001	NA002	NA003	NA004	NA005
Progressiva	0.00	123.08	246.16	471.38	696.59	897.42	1086.25	1157.50	1218.75

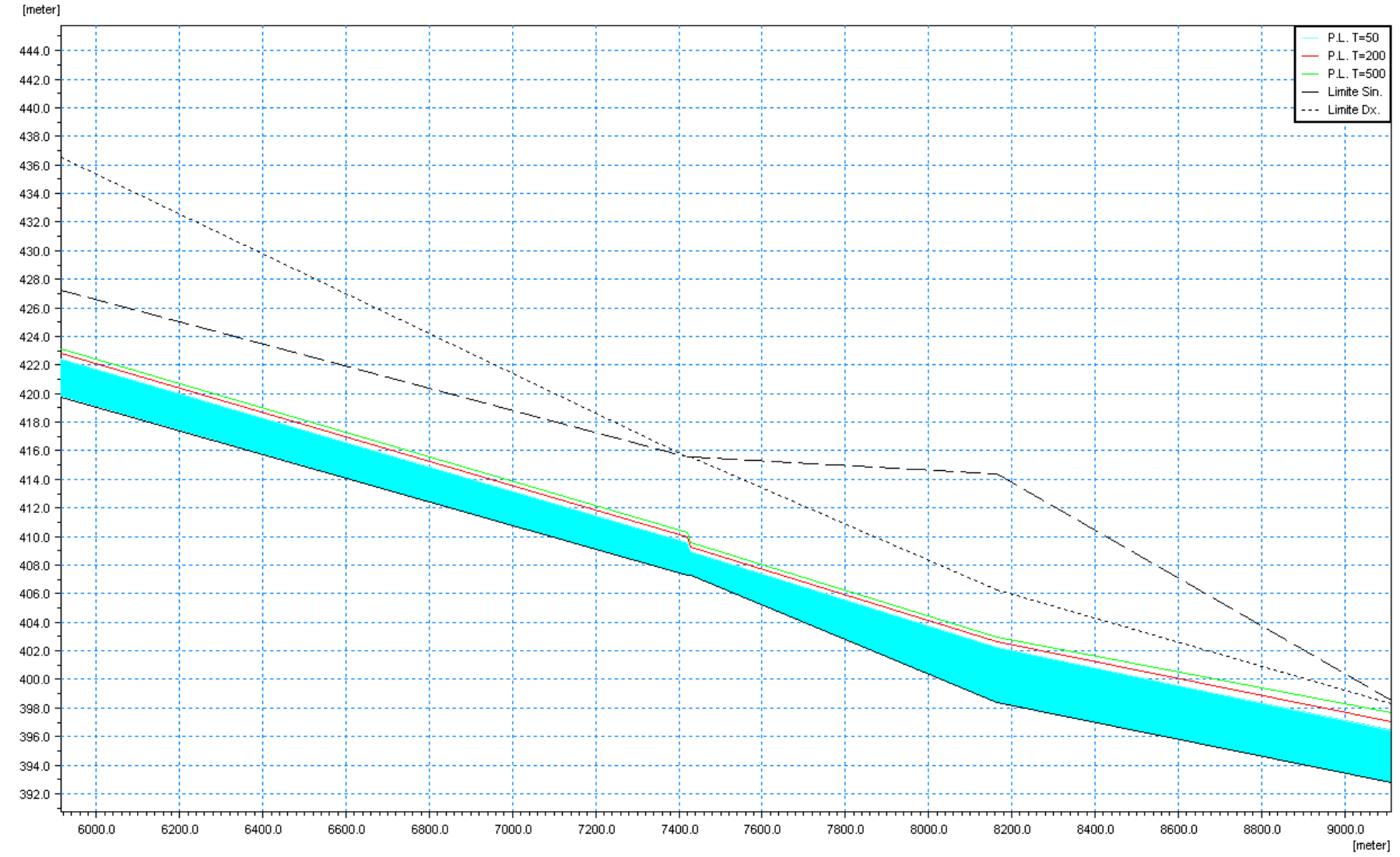
BORMIDA DI MALLARE



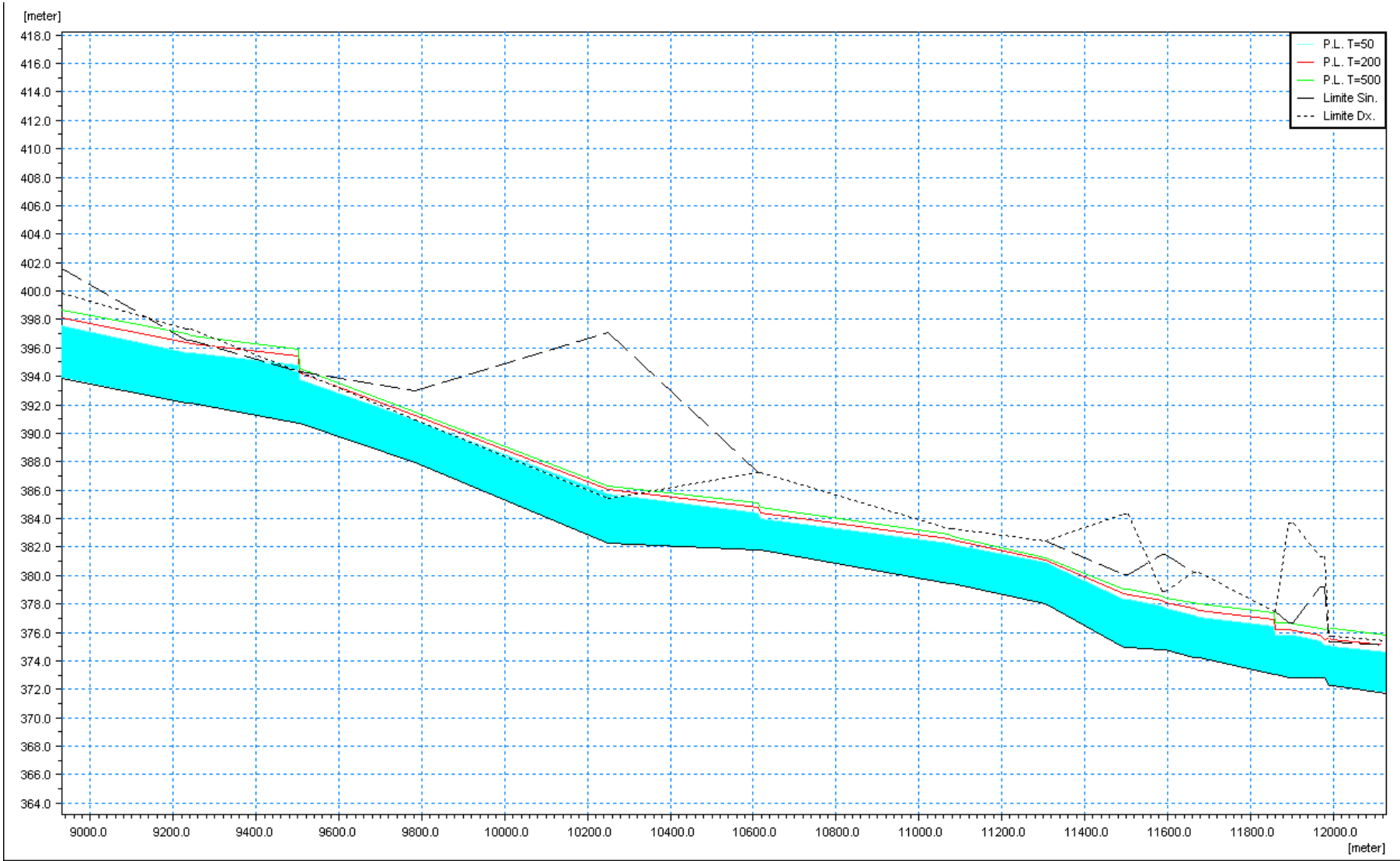
Progressiva	ID Sezione
0.00	BA001
104.79	
205.79	BA002
315.20	
422.61	BA003
959.17	
1491.44	BA004
1686.18	
1880.91	BA005
1981.10	
2081.30	BA006
2155.45	
2221.59	BA007
2434.71	
2645.22	BA008
2836.74	
3028.25	BA009
3089.53	BA010



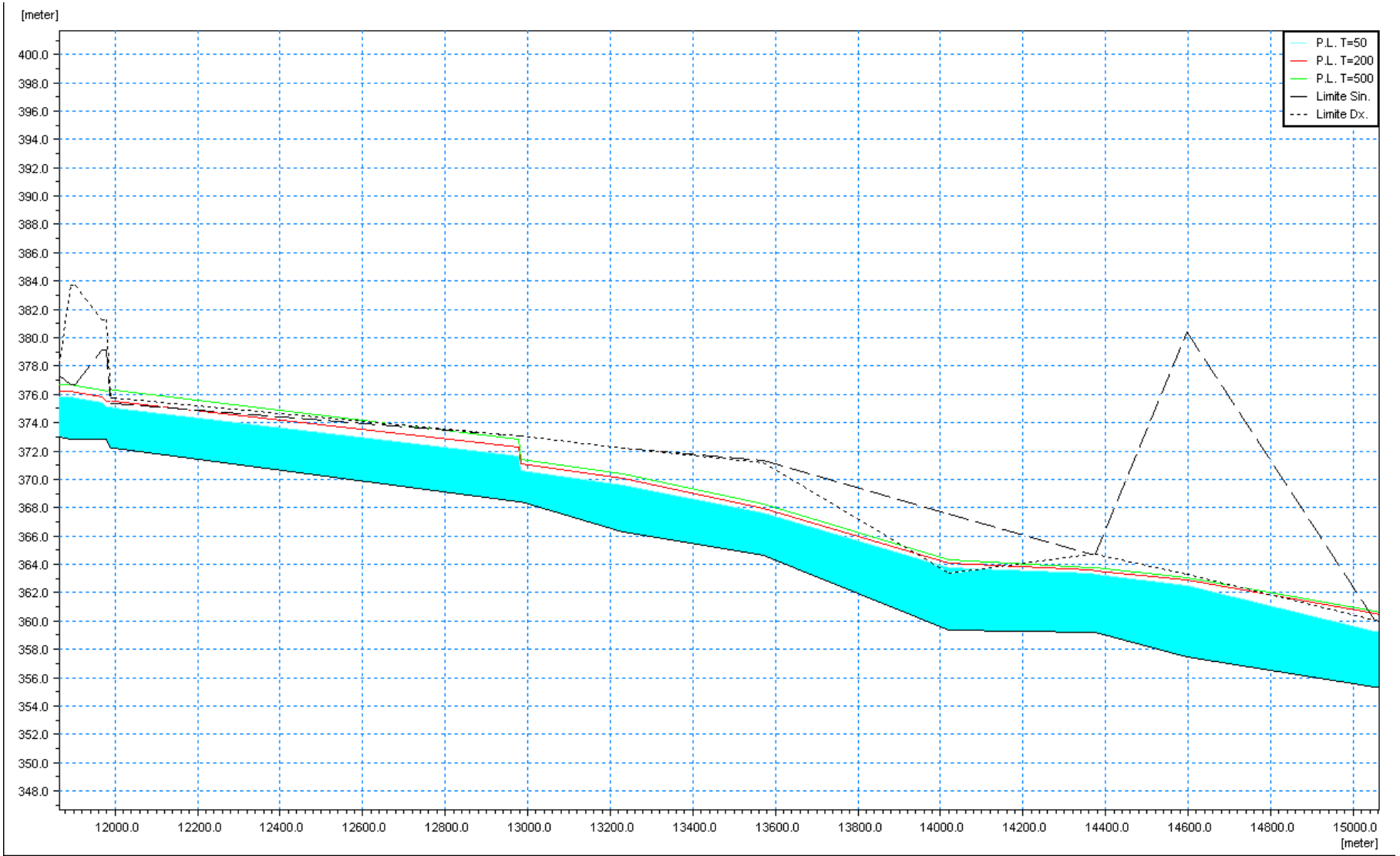
ID Sezione		BA009	BA010		BA011		BA012		BA013
Progressiva	2836.74	3028.25	3069.53	3405.97	3671.11	3941.92	4212.72	4420.15	4627.57



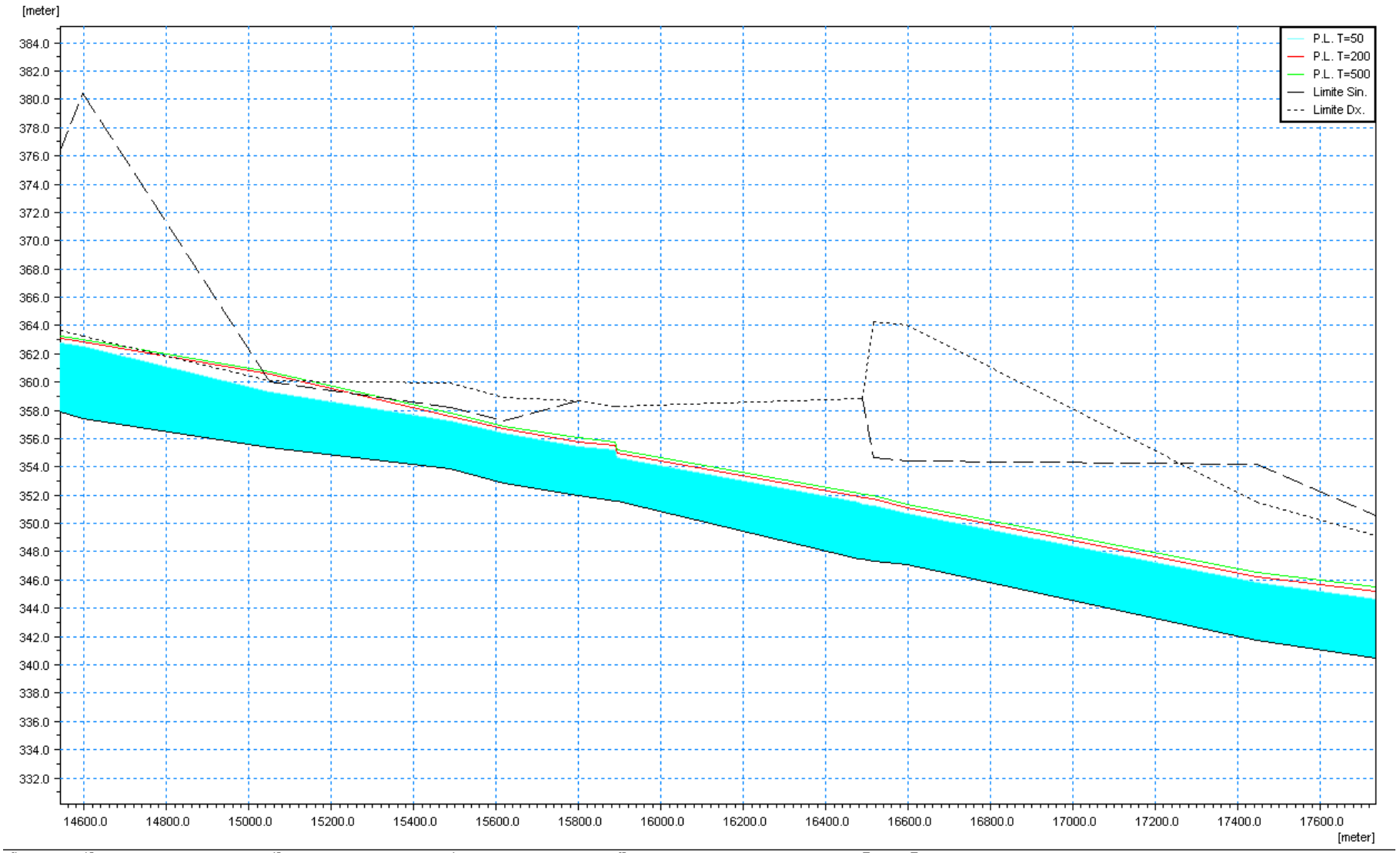
ID Sezione		BA014	BA015	
Progressiva	6024.47	7421.37	7795.92	8164.07	8697.54



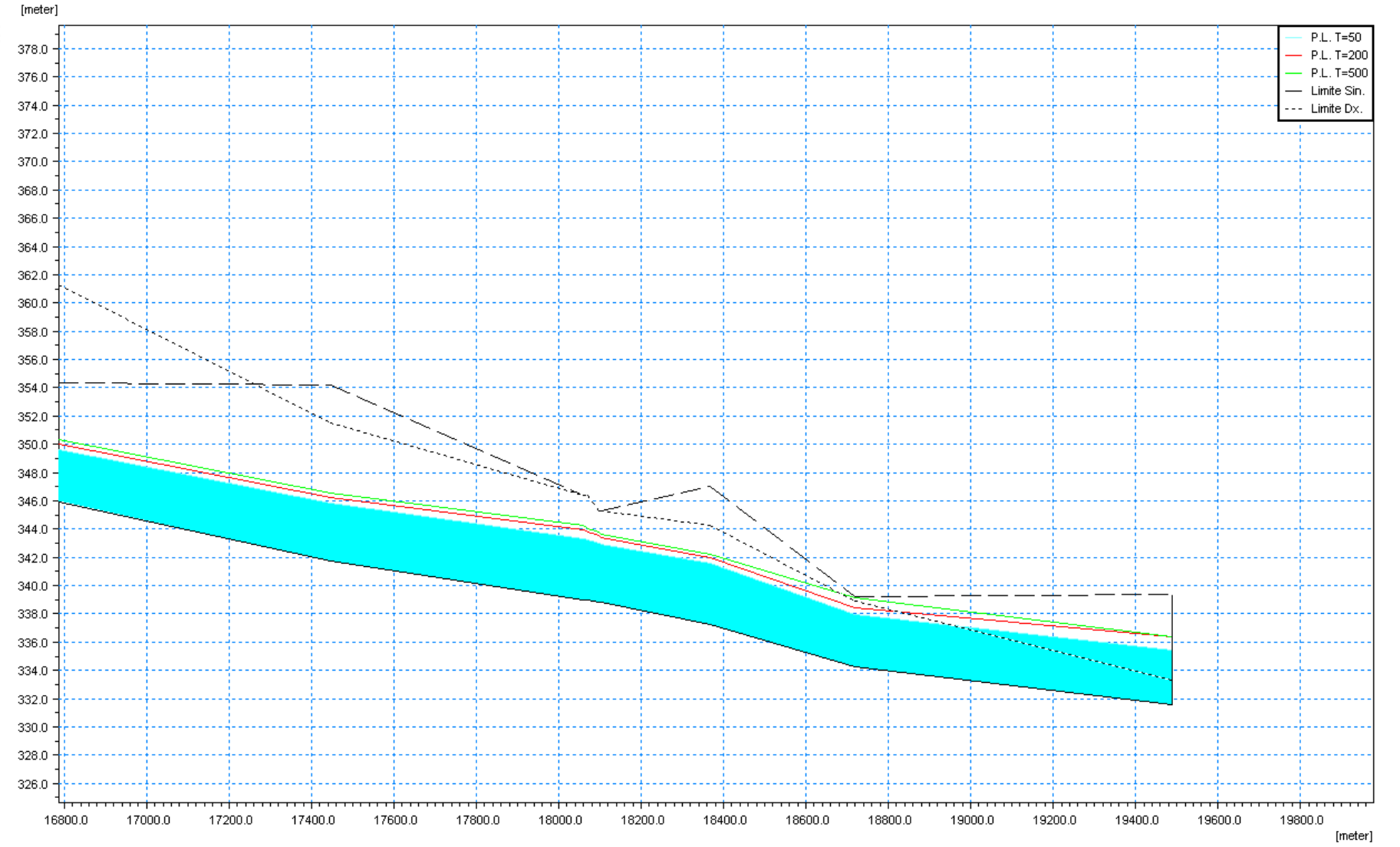
ID Sezione	Progressiva
BA016	9231.02
	9371.77
BA017	9501.52
	9644.43
BA018	9784.74
	10017.28
BA019	10249.82
	10430.91
BA020	10612.00
	10844.76
BA021	11073.03
	11193.15
BA022	11306.27
	11400.47
BA023	11494.68
BA024	11545.17
BA025	11628.55
	11766.13
BA026	11857.22
BA027.1	11898.45
BA028.1	11979.53



ID Sezione	Progressiva
BA027	11876.79
BA028	11969.53
	12488.78
BA030	12979.36
	13106.18
BA031	13229.50
	13399.91
BA032	13570.32
	13794.87
BA033	14019.42
	14192.04
BA034	14364.66
	14486.45
BA035	14597.23
	14824.45
BA036	15051.67

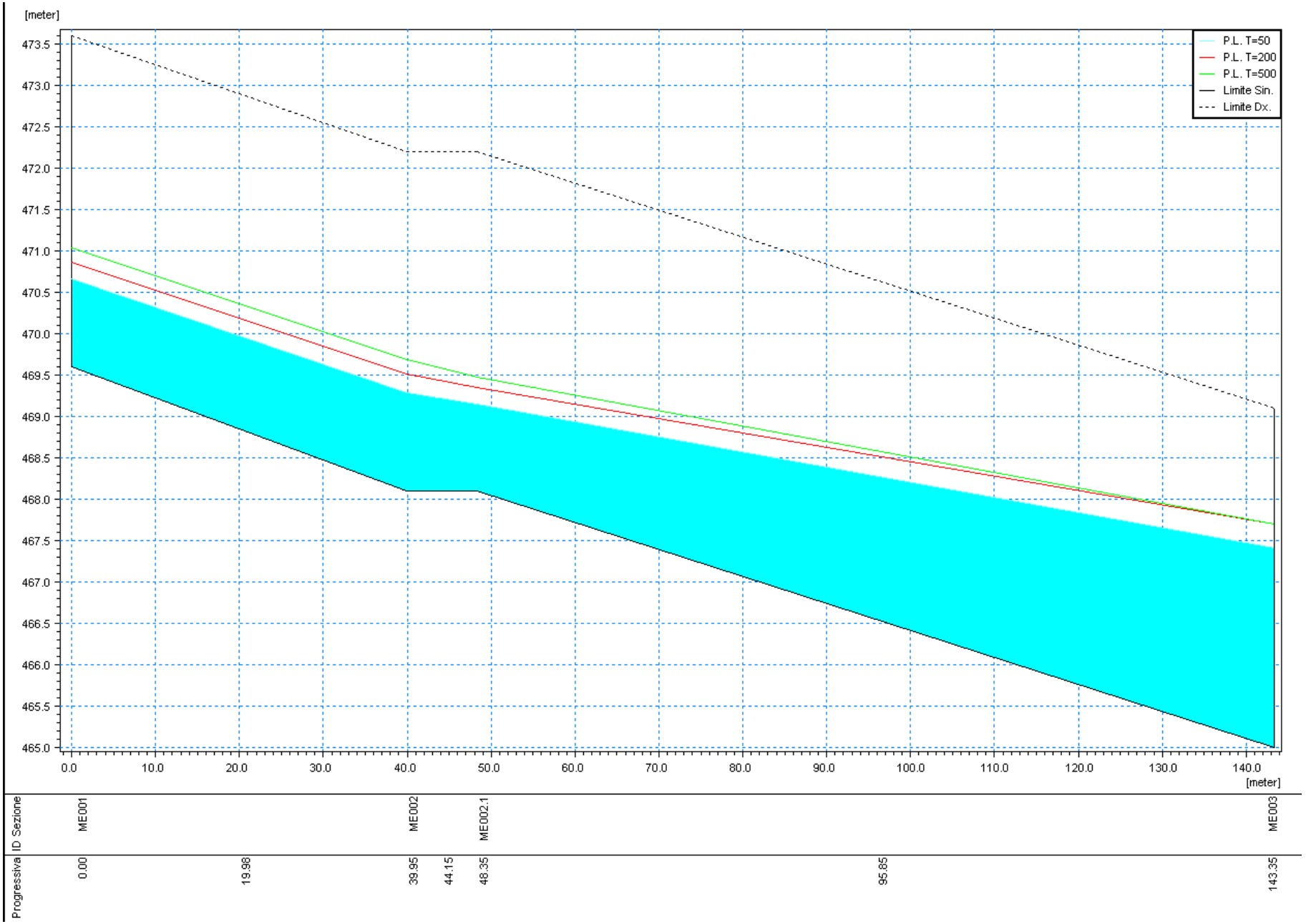


ID Sezione	BA035	BA036	BA037	CONFL_CP	BA038	BA039	BA040	BA041
Progressiva	14597.23	14824.45	15051.67	15269.38	15487.10	15552.05	15617.00	15708.50	15800.00	15889.84	16186.55	16479.97	16556.13	17021.89	17446.51



ID Sezione		BA041		BA042	BA043.1		BA044		BA045				BS001
Progressiva	17021.89	17446.51	17752.53	18058.54	18100.04	18234.10	18366.66	18542.07	18717.49	19103.39			19489.29

RIO MERLINO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P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
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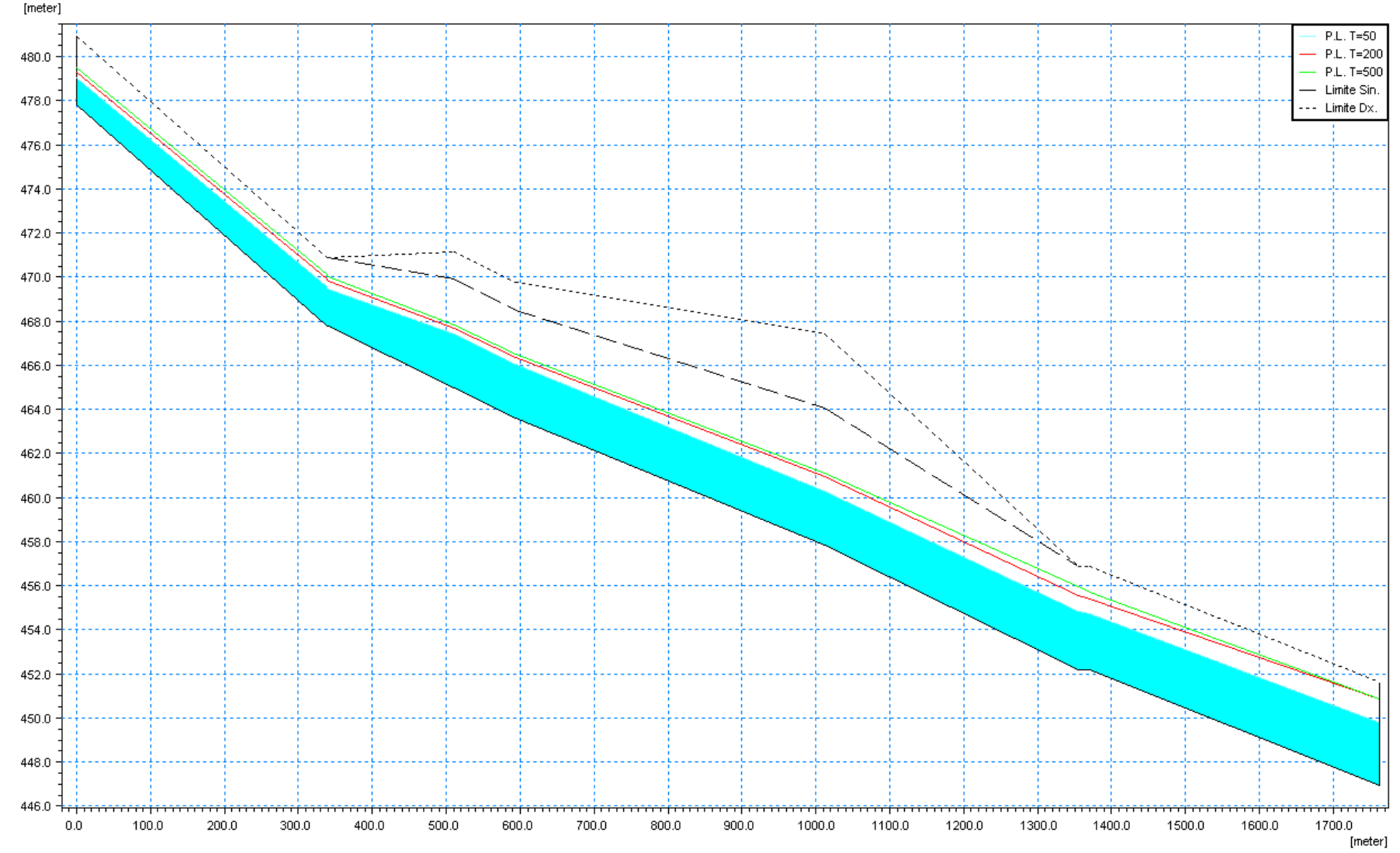
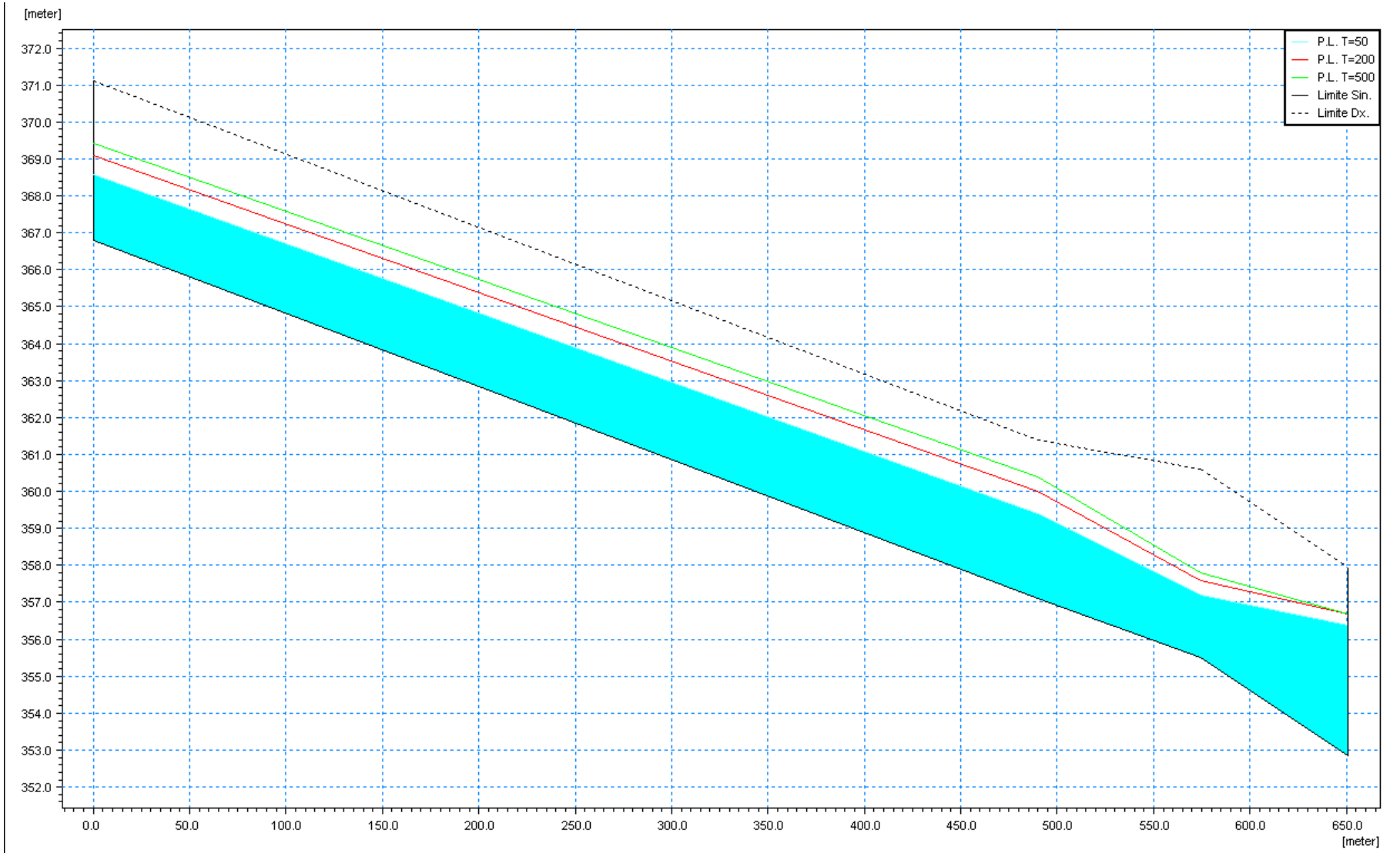
473.0
472.5
472.0
471.5
471.0
470.5
470.0
469.5
469.0
468.5
468.0
467.5
467.0
466.5
466.0
465.5
465.0
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
110.0
120.0
130.0
140.0
[meter]
ID Sezione
ME001
ME002
ME002.1
ME003
Progressiva
0.00
19.98
39.95
44.15
48.35
95.85
143.35

RIO BITERNO



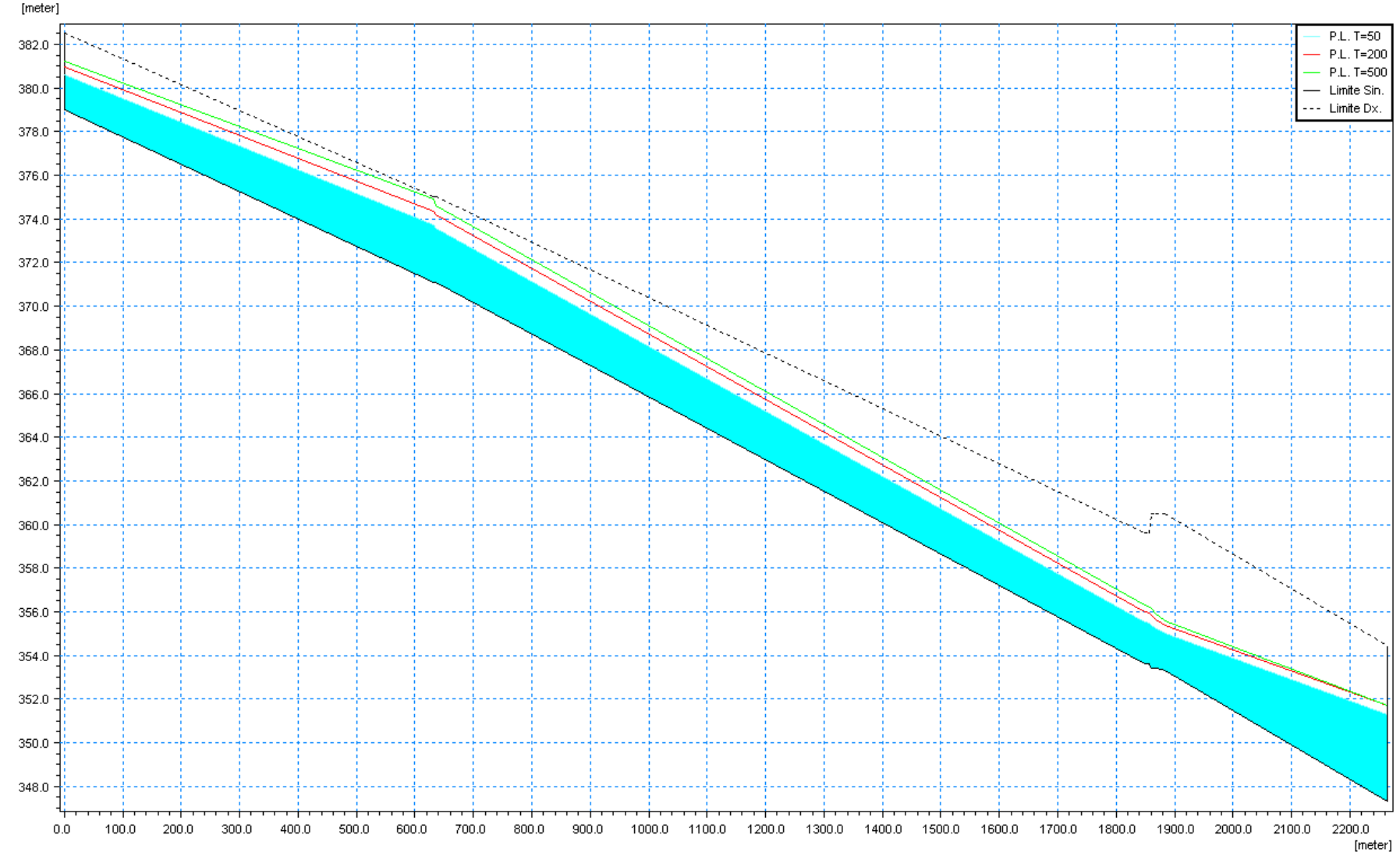
ID Sezione		BI002		CONFL_ME	BI003	BI004	BI006	BI007
Progressiva	0.00	169.24	338.48	425.24	510.00	551.97	593.94	802.77	1011.60	1183.06	1354.52	1566.17	1762.62

RIO CAPPELLETTA



Progressiva	ID Sezione
0.00	CP001
245.03	
490.06	CP002
532.08	
574.10	CP003
612.55	
651.00	CP004

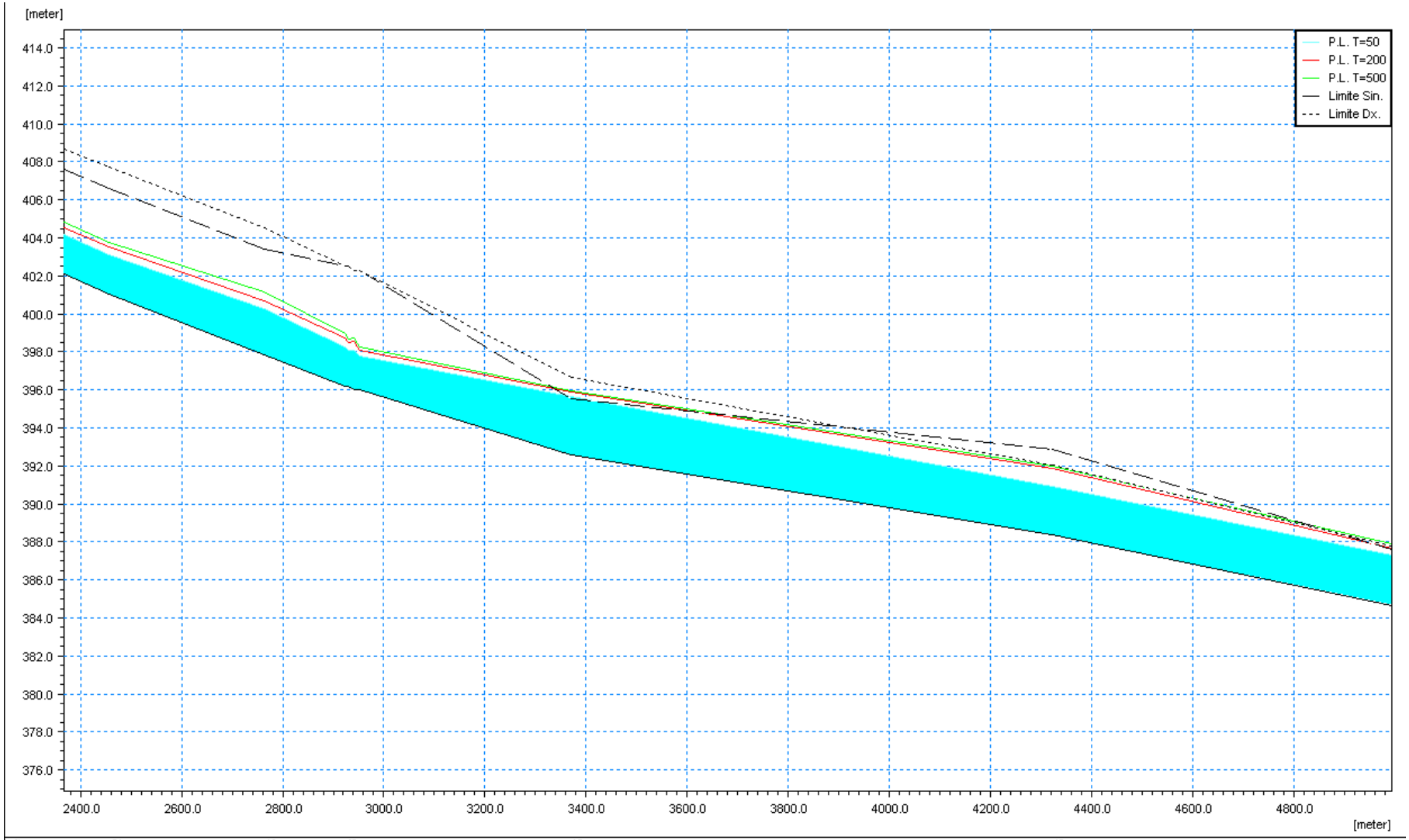
RIO FERRANIETTA



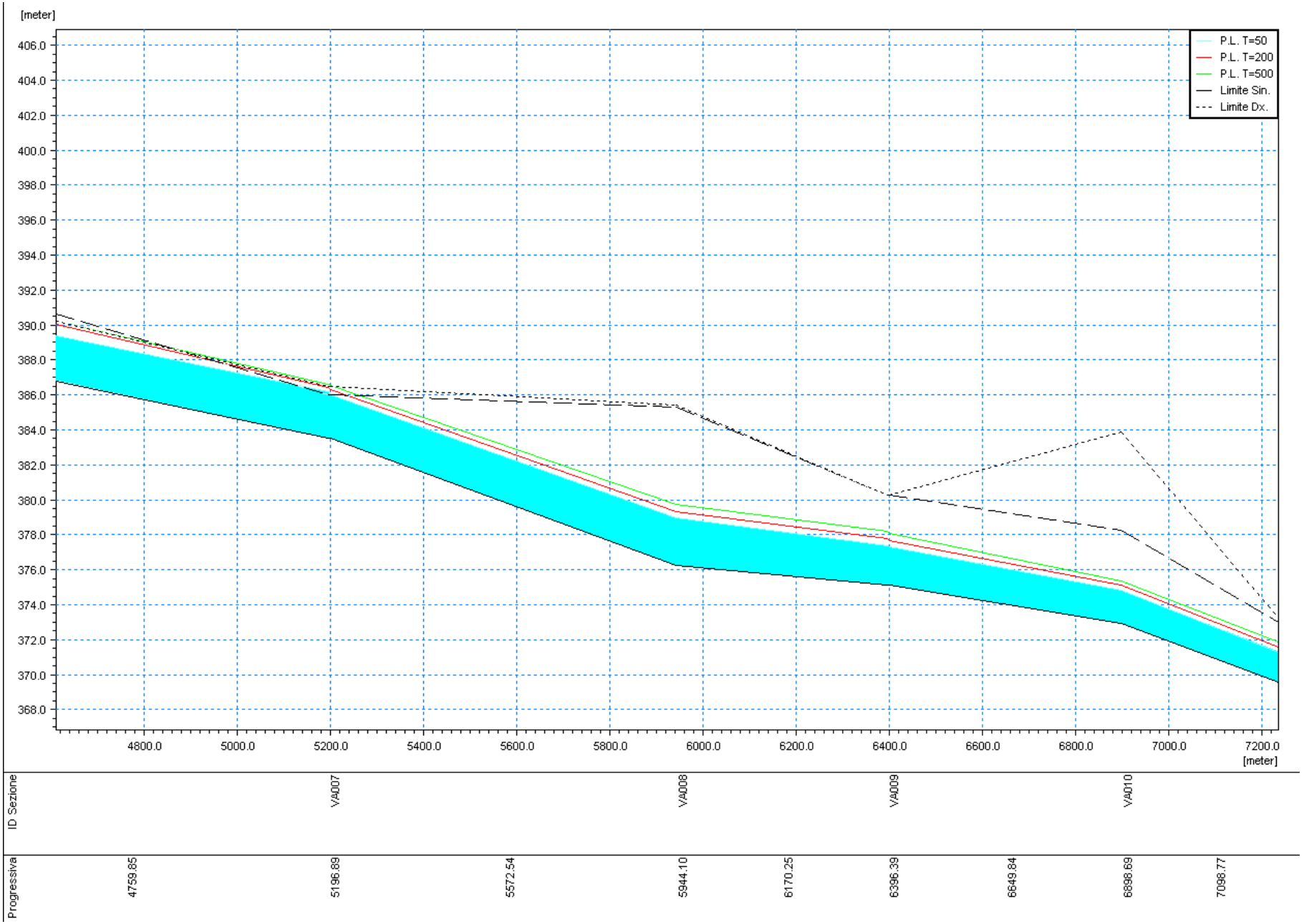
ID Sezione	FE001		FE002			FE003	***		FE005
Progressiva	0.00	315.99	631.99	1243.25		1849.71	1883.00	2073.71	2264.42

TORRENTE
VALLA

ID Sezione	VA000	VA002
Progressiva	0.00	1236.66	2457.32



ID Sezione	VA002	CONFL_GS	VA003	VA005	VA006
Progressiva	2457.32	2610.66	2764.00	2843.85	2923.71	3161.11	3370.98	3846.90	4322.81	4759.85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400.0
398.0
396.0
394.0
392.0
390.0
388.0
386.0
384.0
382.0
380.0
378.0
376.0
374.0
372.0
370.0
368.0
4800.0
5000.0
5200.0
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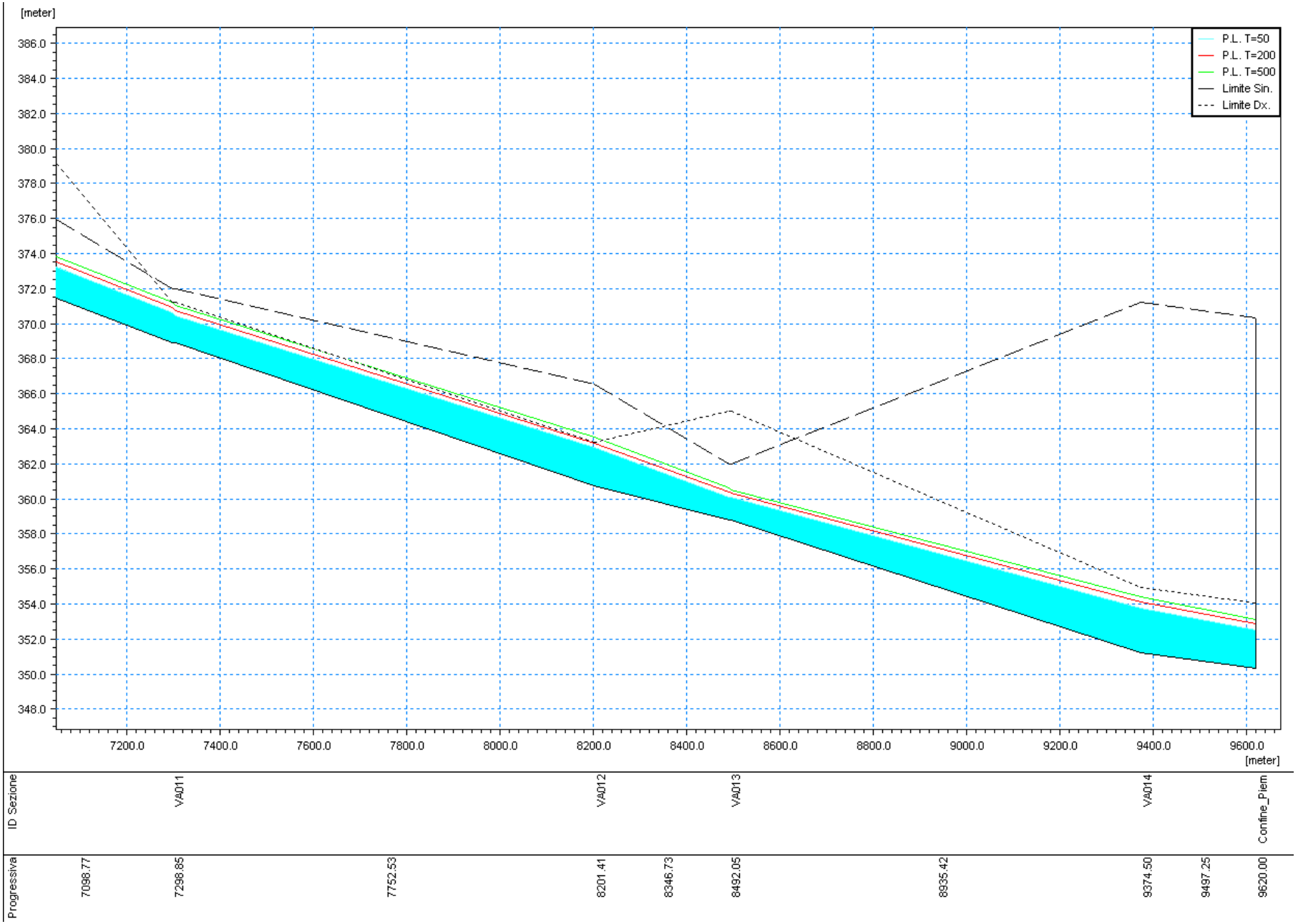
6600.0
6800.0
7000.0
7200.0
[meter]
P.L. T=50
P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
ID Sezione
VA007
VA008
VA009
VA010
Progressiva
4759.85
5196.89
5572.54
5944.10
6170.25
6396.39
6649.84
6898.69
7098.77


[meter]
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382.0
380.0
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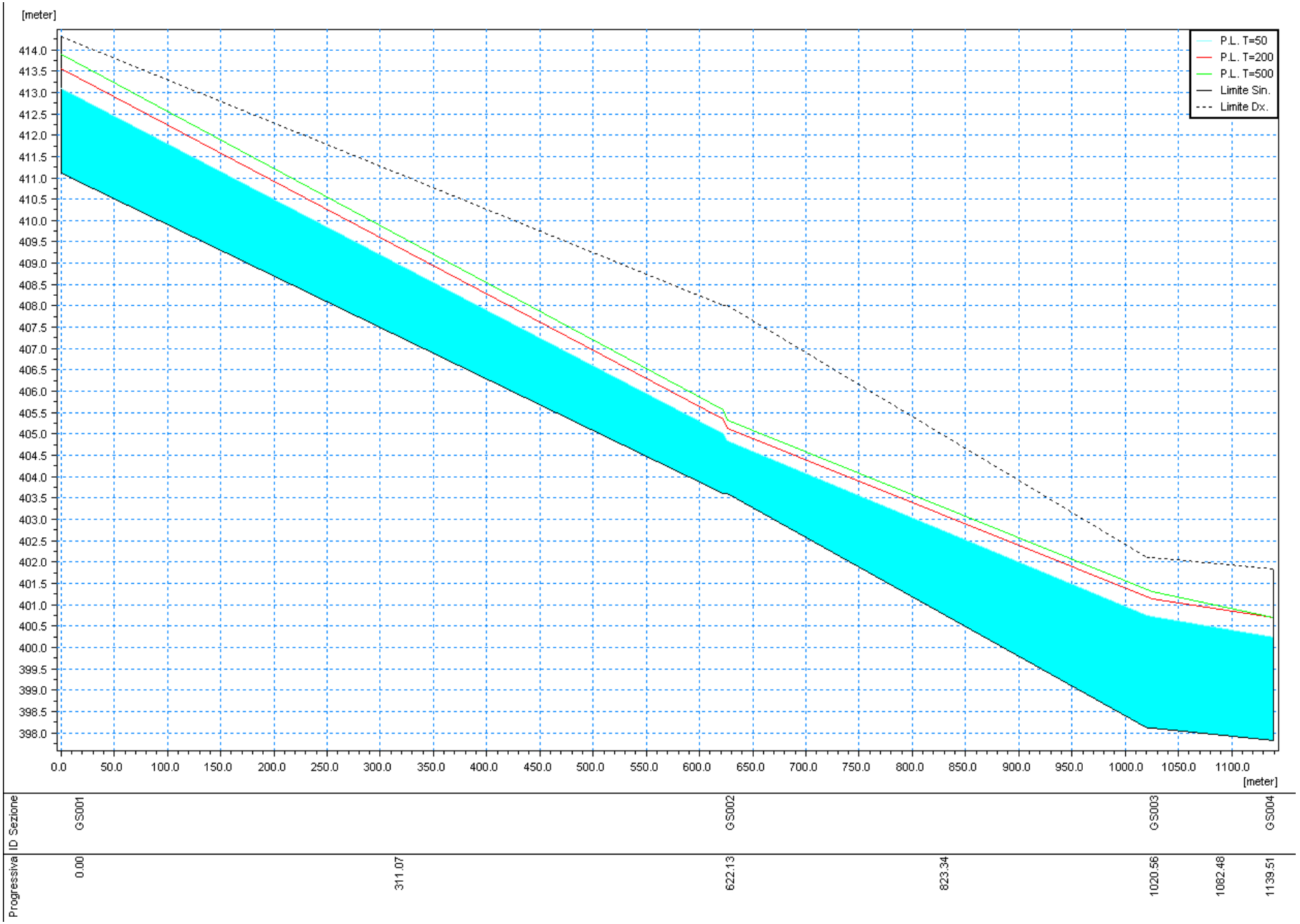
376.0
374.0
372.0
370.0
368.0
366.0
364.0
362.0
360.0
358.0
356.0
354.0
352.0
350.0
348.0
7200.0
7400.0
7600.0
7800.0
8000.0
8200.0
8400.0
8600.0
8800.0
9000.0
9200.0
9400.0
9600.0
[meter]
P.L. T=50
P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
ID Sezione
VA011
VA012
VA013
VA014
Confine_Piem
Progressiva
7098.77
7298.85
7752.53
8201.41
8346.73
8492.05
8935.42
9374.50
9497.25
9620.00

RIO GIUSVALLETTA


[meter]
P.L. T=50
P.L. T=200
P.L. T=500
Limite Sin.
Limite Dx.
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413.5
413.0
412.5
412.0
411.5
411.0
410.5
410.0
409.5
409.0
408.5
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407.5
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403.5
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402.5
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401.5
401.0
400.5
400.0
399.5
399.0
398.5
398.0
0.0
50.0
100.0
150.0
200.0
250.0
300.0
350.0
400.0
450.0
500.0
550.0
600.0
650.0
700.0
750.0
800.0
850.0
900.0
950.0
1000.0
1050.0
1100.0
[meter]
ID Sezione
GS001
GS002
GS003
GS004
Progressiva
0.00
311.07
622.13
823.34
1020.56
1082.48
1139.51