AUTORITA' DI BACINO
DI RILIEVO REGIONALE

PROVINCIA
DI SAVONA

PIANO DI BACINO
PORA

Piano stralcio per la tutela dal rischio idrogeologico
di cui all'art.1, comma 1 del D.L. 11/06/1998 n.180,
convertito in legge 03/08/1998 n.267 e s.m.

VERIFICHE IDRAULICHE

Approvato con D.C.P. n. 47 del 25/11/2003

AGGIORNAMENTI PIANO DI BACINO PORA – VERIFICHE IDRAULICHE

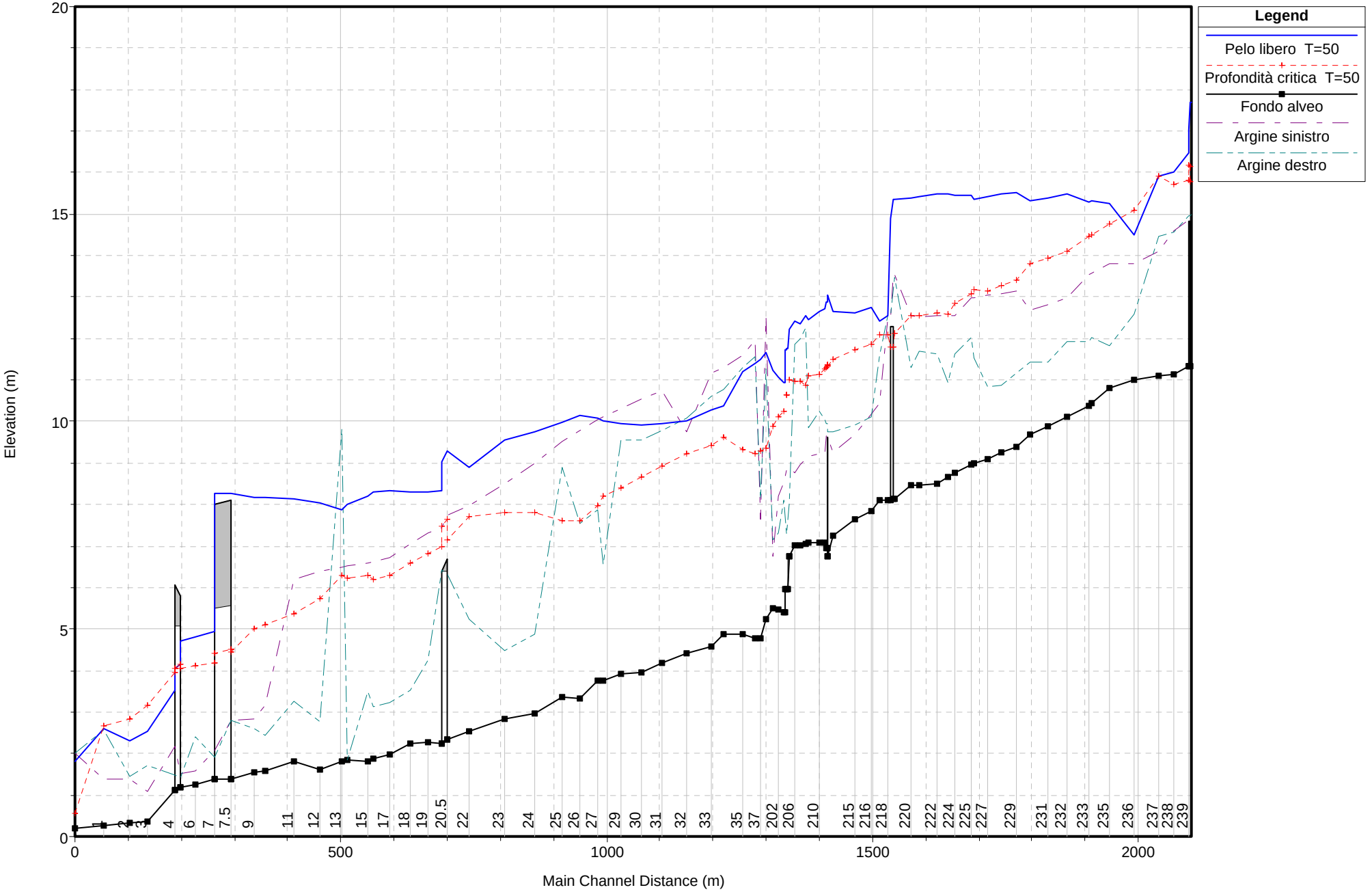
DELIBERA	OGGETTO	DESCRIZIONE	ATTI MODIFICATI
D.G.P. n. 84/2006 del 27/04/2006	Attuazione del comma 15 dell'art. 97 della L.R. 18/1999 relativo alle procedure di modifica ed integrazione dei piani di bacino di rilievo regionale	Aggiornamento dei Piani di Bacino sulla base della "Richiesta di parere ai sensi della Normativa di Piano D.L. 180/98, relativamente all'istanza di riperimetrazione delle fasce di inondabilità del Torrente Pora in Loc. Perti Basso, da parte del Comune di Finale Ligure, come approvata nel Comitato Tecnico Provinciale della Difesa del Suolo seduta del 27/04/06	– Relazione generale – TAV 9 Carta delle fasce di inondabilità (CTP 27/04/06) CTR 245040-246010 – TAV 11 Carta del rischio idraulico (CTP 27/04/06) CTR 228160-229130-245040-246010 – TAV 14 Carta delle aree inondabili (CTP 27/04/06) CTR 245040-246010
		Aggiornamento del Piano di Bacino sulla base della modifica dei valori della portata di piena del bacino del Torrente Pora ai sensi dell' art. 7 c.1 della Normativa di Piano e dei relativi e conseguenti atti di Piano, sulla base delle risultanze dello studio idrologico del progetto preliminare aggiornato e dell'aggiornamento del Progetto Preliminare "Interventi per la messa in sicurezza dei Torrenti Pora e Aquila" mediante recepimento nel piano interventi e nella carta della fascia di riassetto del Piano di Bacino del Torrente Pora, come approvato nel Comitato Tecnico Provinciale della Difesa del Suolo seduta del 27/04/06	– Relazione generale – Verifiche Idrauliche – Piano interventi – TAV 9 Carta delle fasce di inondabilità (CTP 27/04/06) CTR 245040-246010 – TAV 11 Carta del rischio idraulico (CTP 27/04/06) CTR 228160-229130-245040-246010 – TAV 14 Carta delle aree inondabili (CTP 27/04/06) CTR 245040-246010 – TAV 16 Carta fascia di riassetto fluviale (CTP 27/04/06) CTR 245040-246010
		Aggiornamento dei Piani di Bacino sulla base della revisione delle superfici idrografiche sottese ai sottobacini del T. Pora e relativi atti di Piano, come approvata nel Comitato Tecnico Provinciale della Difesa del Suolo seduta del 27/04/06	– Relazione generale – Verifiche Idrauliche

		Aggiornamento dei Piani di Bacino sulla base della “Richiesta di riperimetrazione delle fasce di inondabilità a seguito di interventi di sistemazione idraulica del Torrente Pora” da parte del Comune di Calice Ligure, come approvata nel Comitato Tecnico Provinciale della Difesa del Suolo seduta del 27/04/06	– Relazione generale – Verifiche Idrauliche – Piano interventi – TAV 9 Carta delle fasce di inondabilità (CTP 27/04/06) CTR 228160-245040 – TAV 11 Carta del rischio idraulico (CTP 27/04/06) CTR 228160-229130-245040-246010 – TAV 12 Carta degli Interventi (CTP 27/04/06) CTR 228160-229130 – TAV 14 Carta delle aree inondabili (CTP 27/04/06) CTR 228160-245040

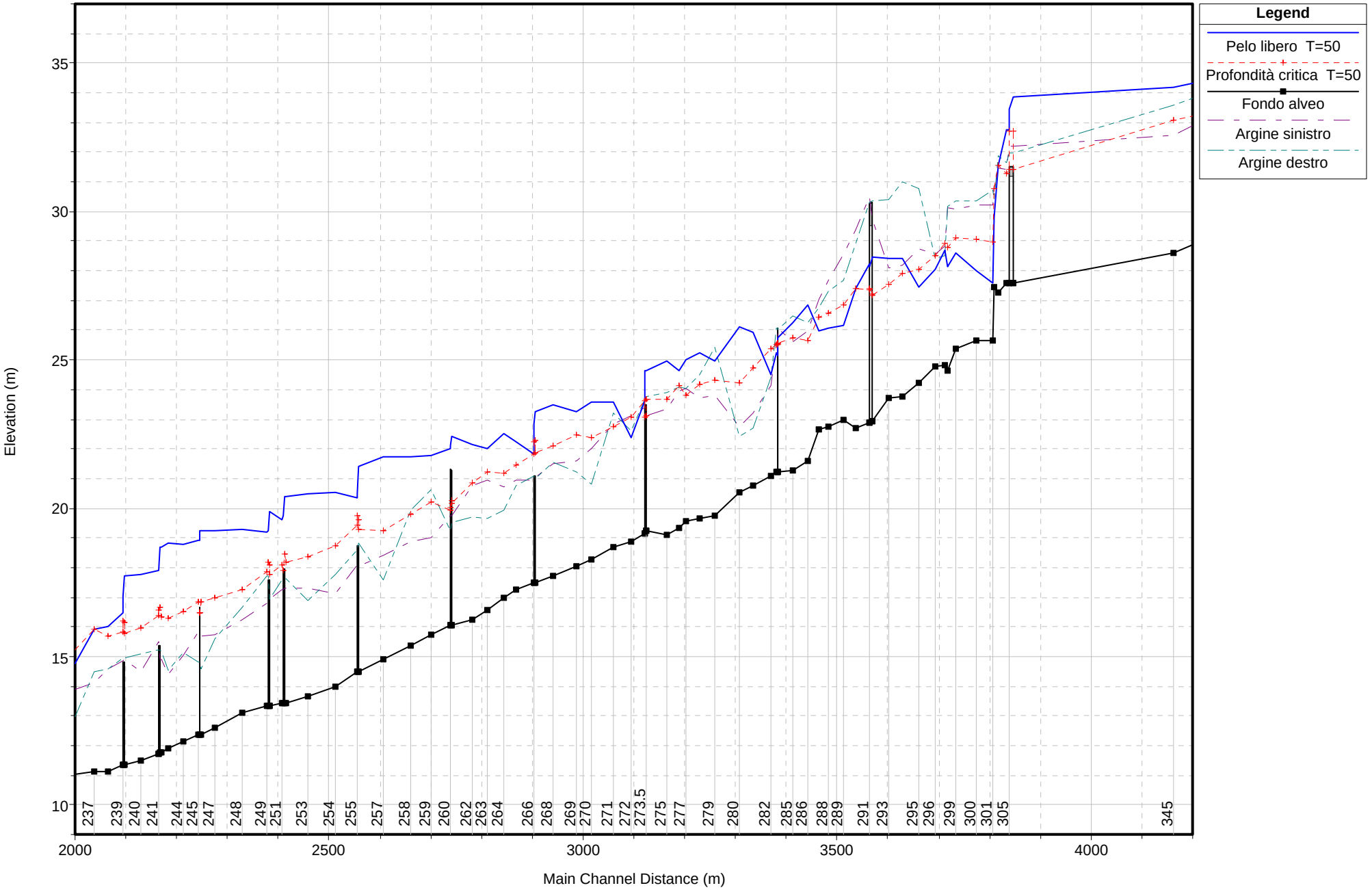
PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI

PORA

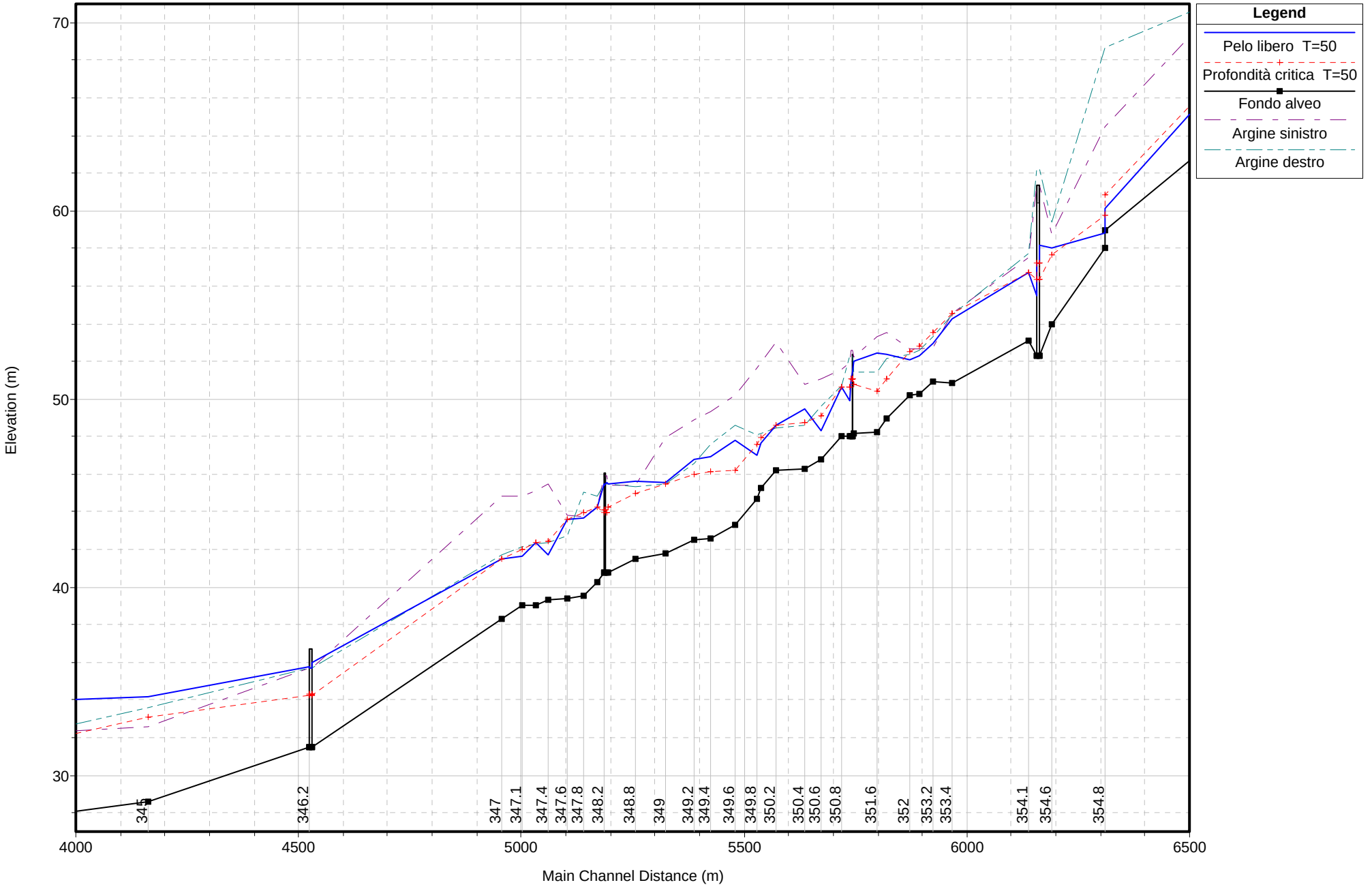
Torrente Pora – Profilo longitudinale di moto permanente T=50 anni



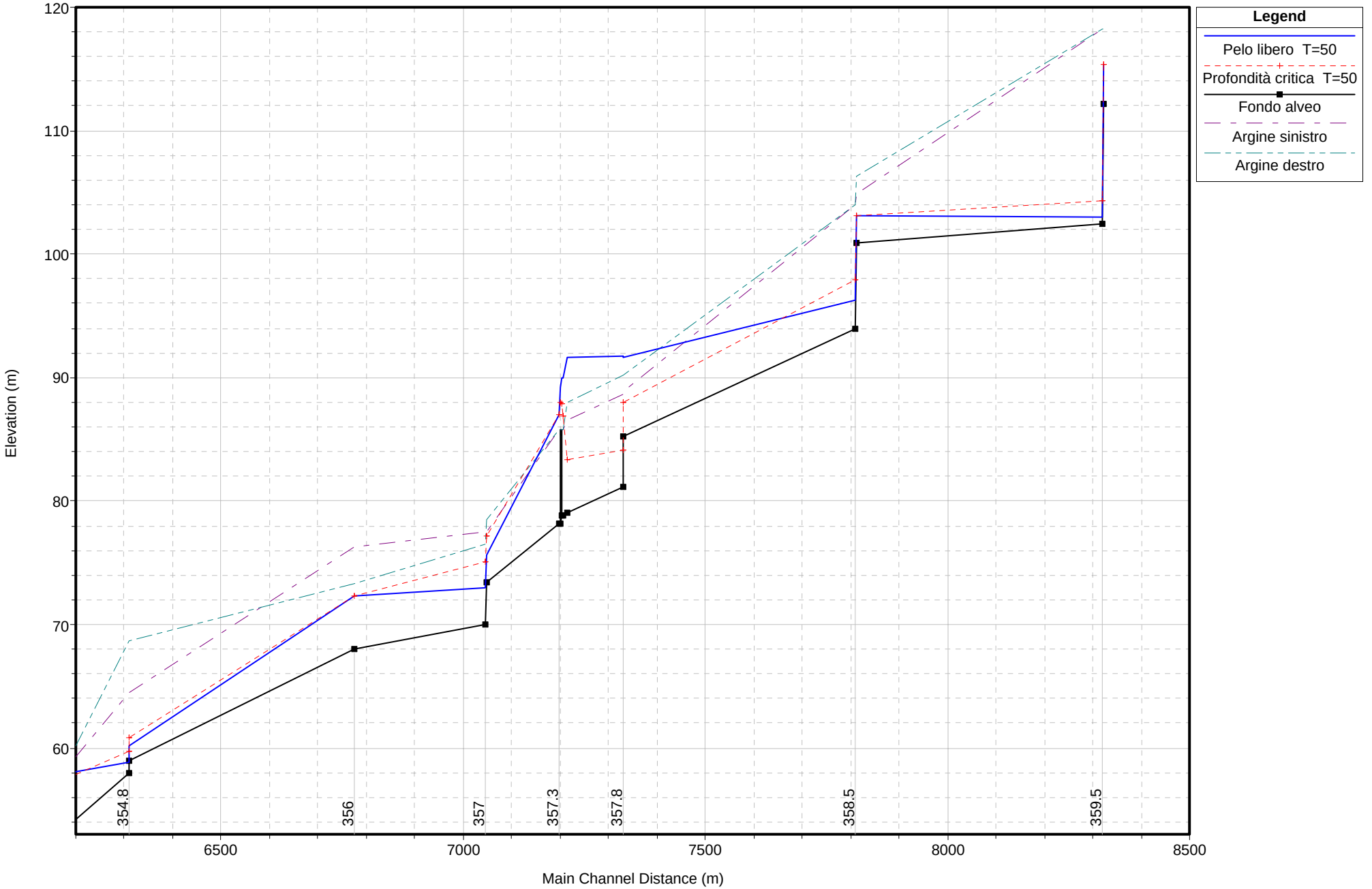
Torrente Pora – Profilo longitudinale di moto permanente T=50 anni



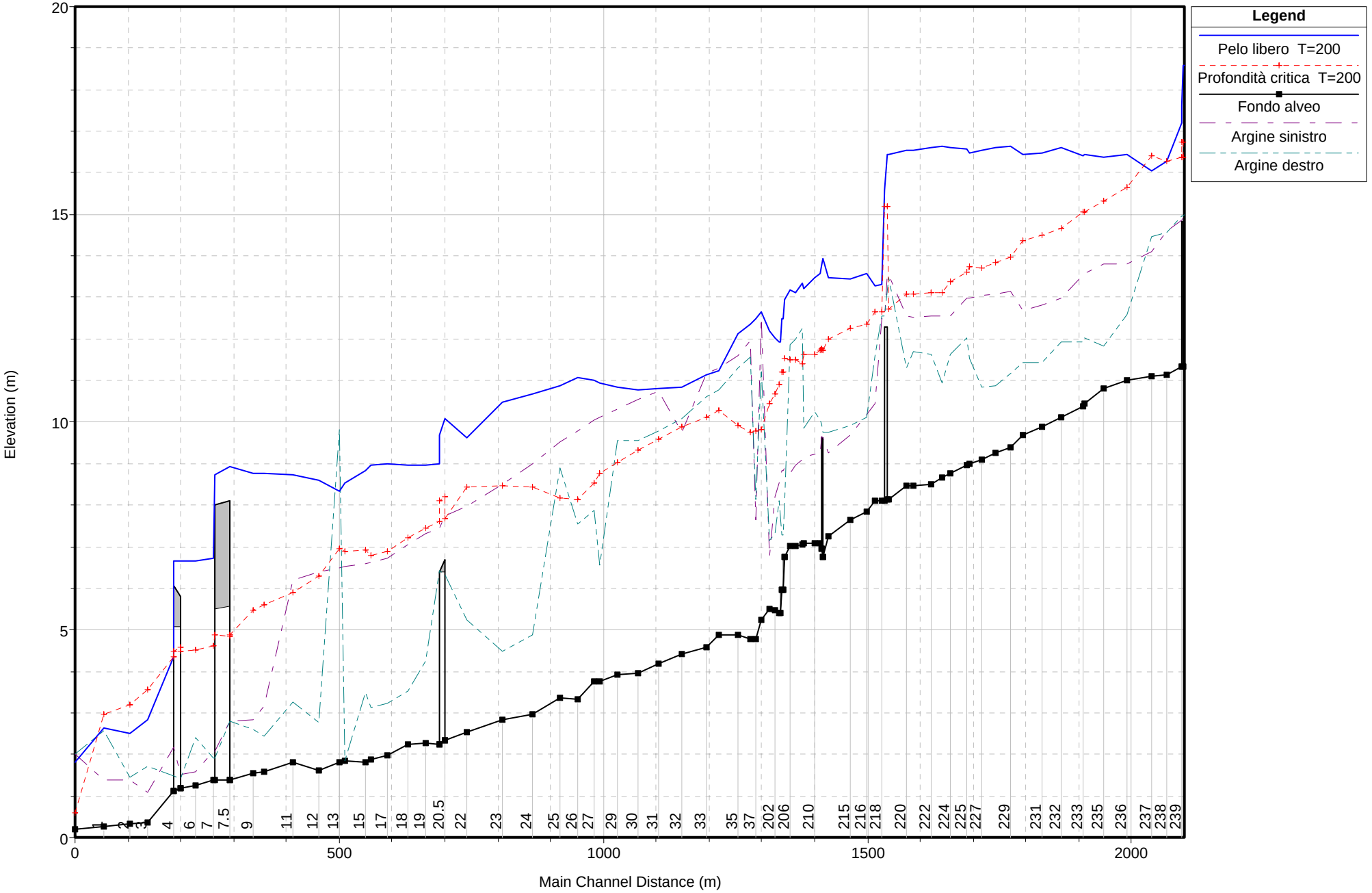
Torrente Pora – Profilo longitudinale di moto permanente T=50 anni



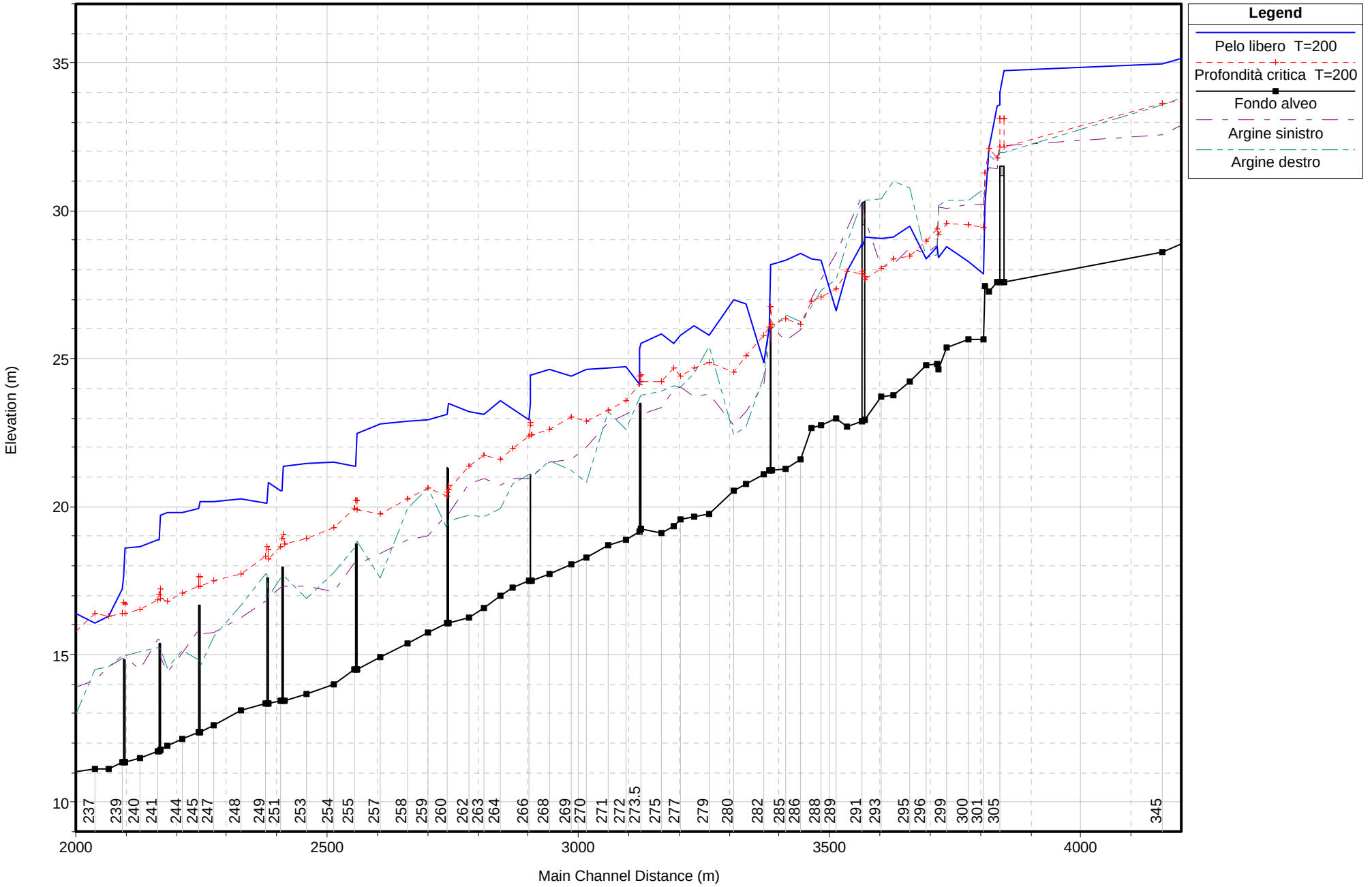
Torrente Pora – Profilo longitudinale di moto permanente T=50 anni



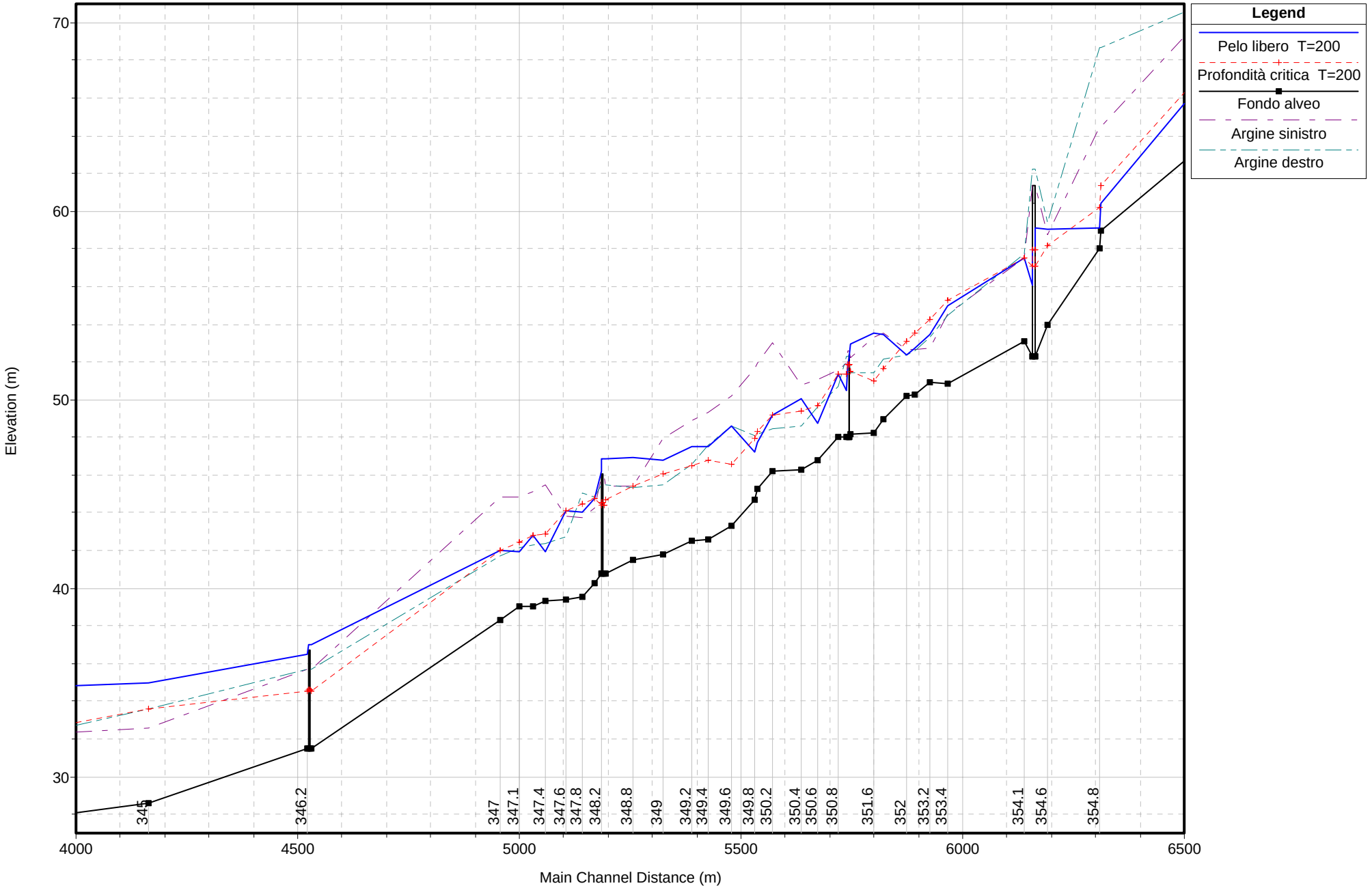
Torrente Pora – Profilo longitudinale di moto permanente T=200 anni



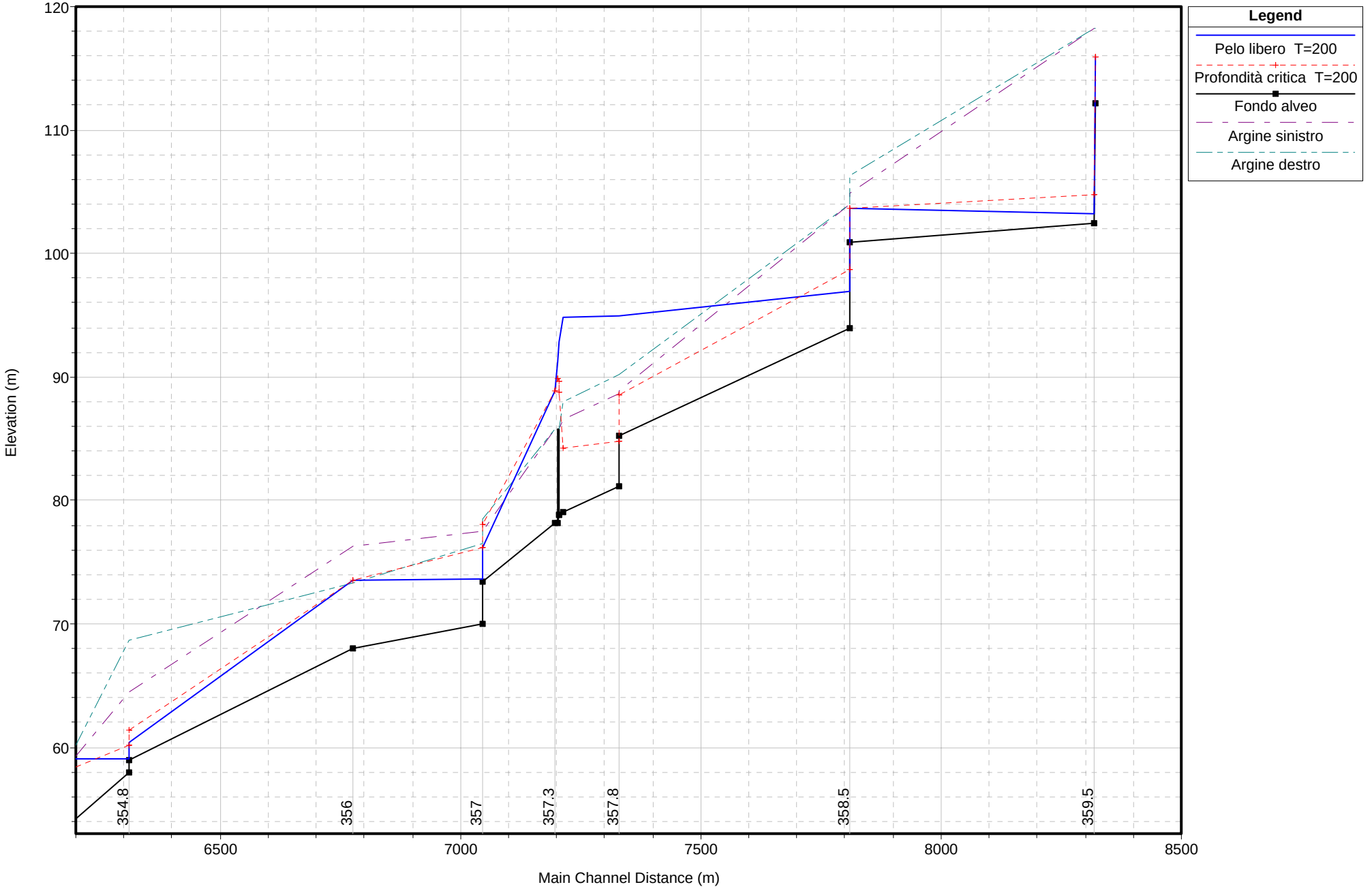
Torrente Pora – Profilo longitudinale di moto permanente T=200 anni



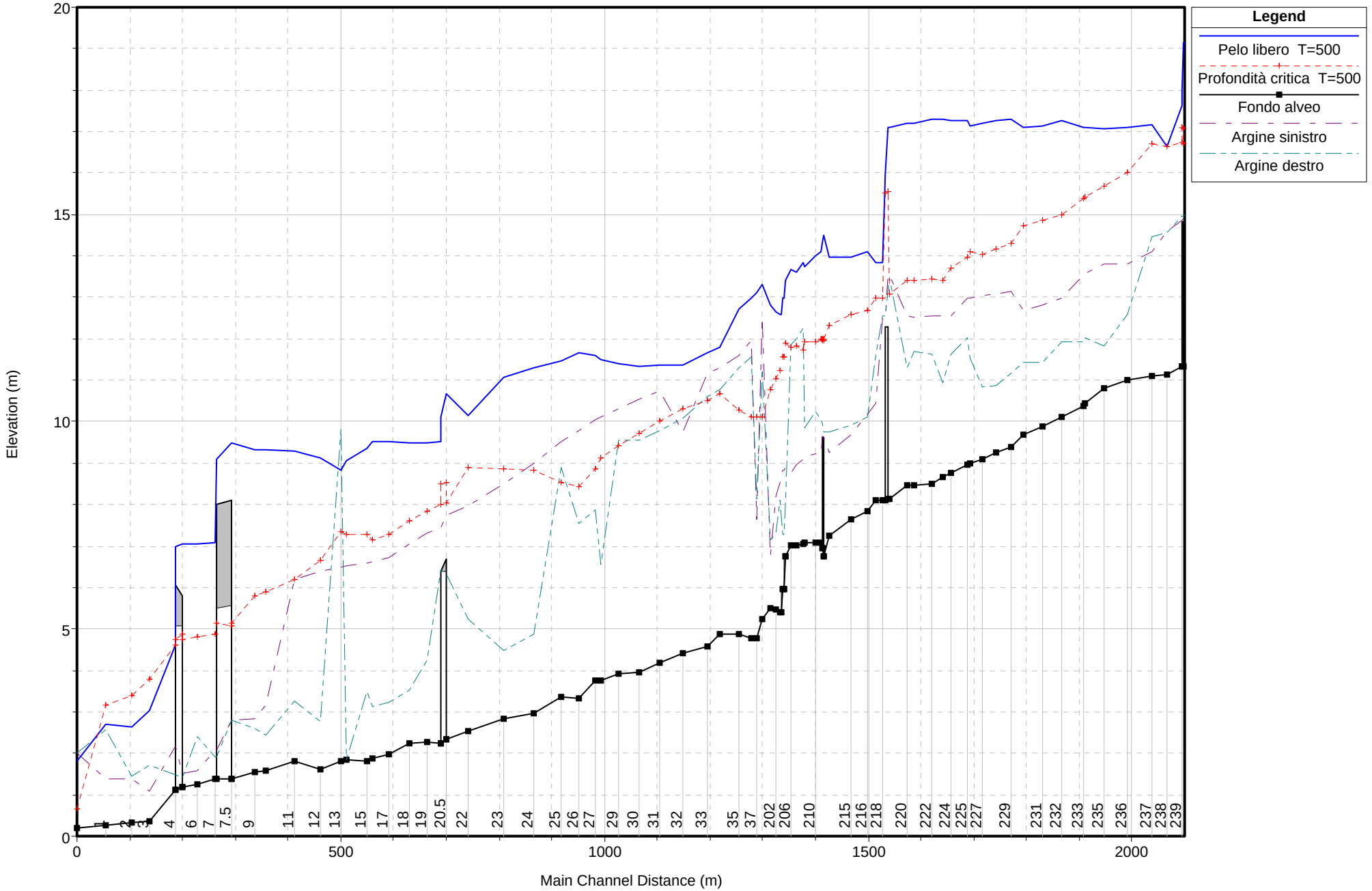
Torrente Pora – Profilo longitudinale di moto permanente T=200 anni



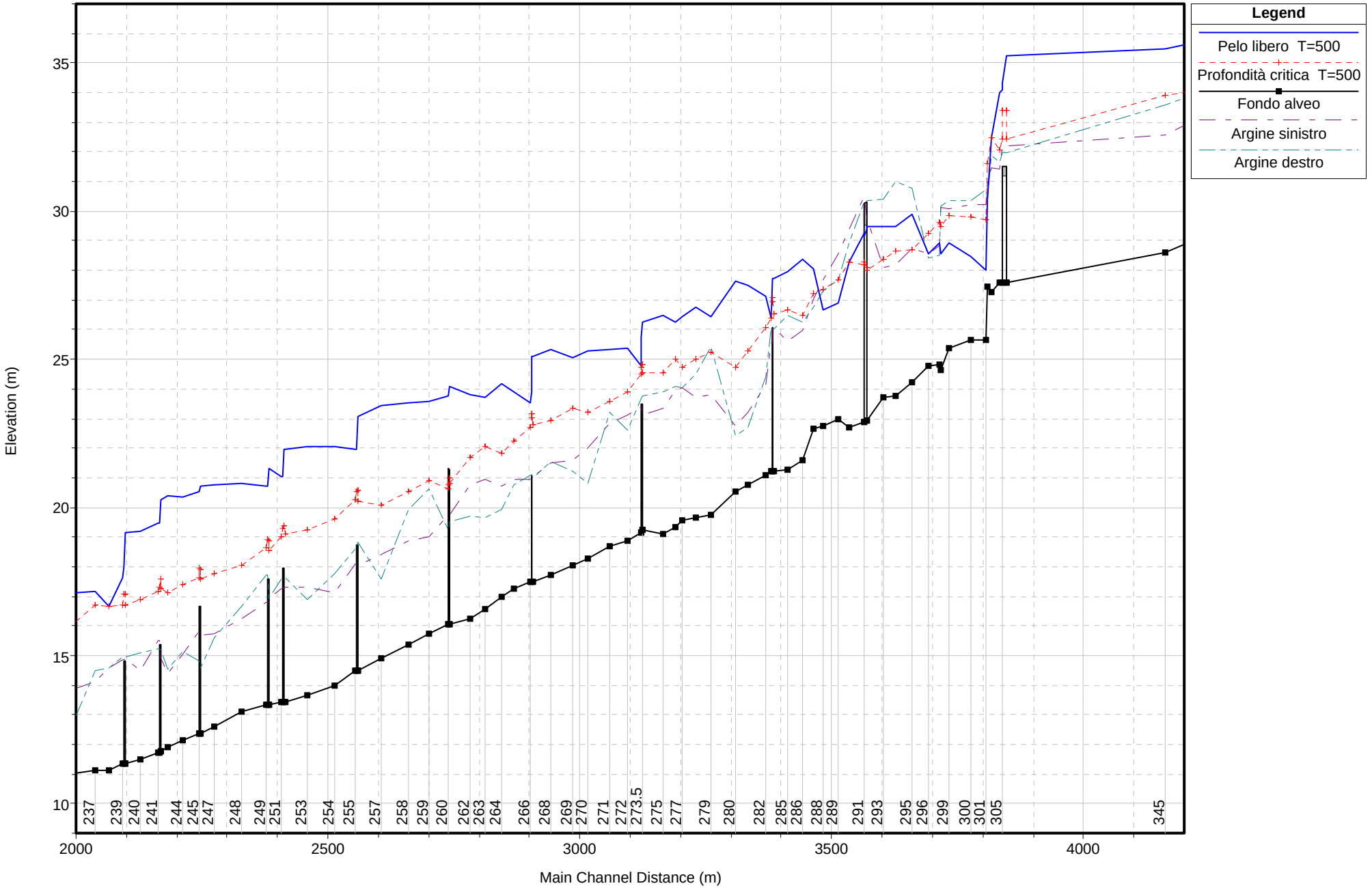
Torrente Pora – Profilo longitudinale di moto permanente T=200 anni



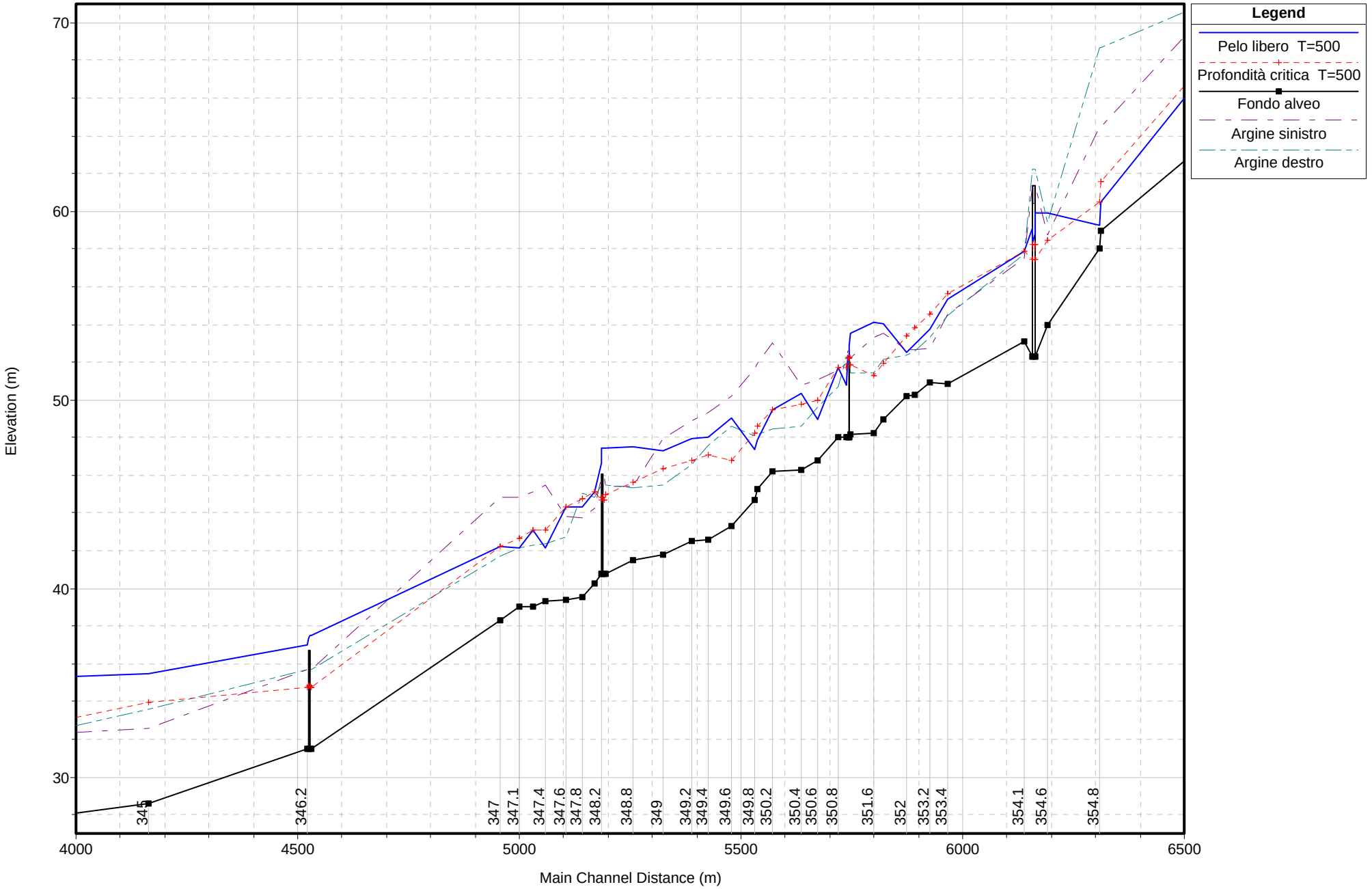
Torrente Pora – Profilo longitudinale di moto permanente T=500 anni



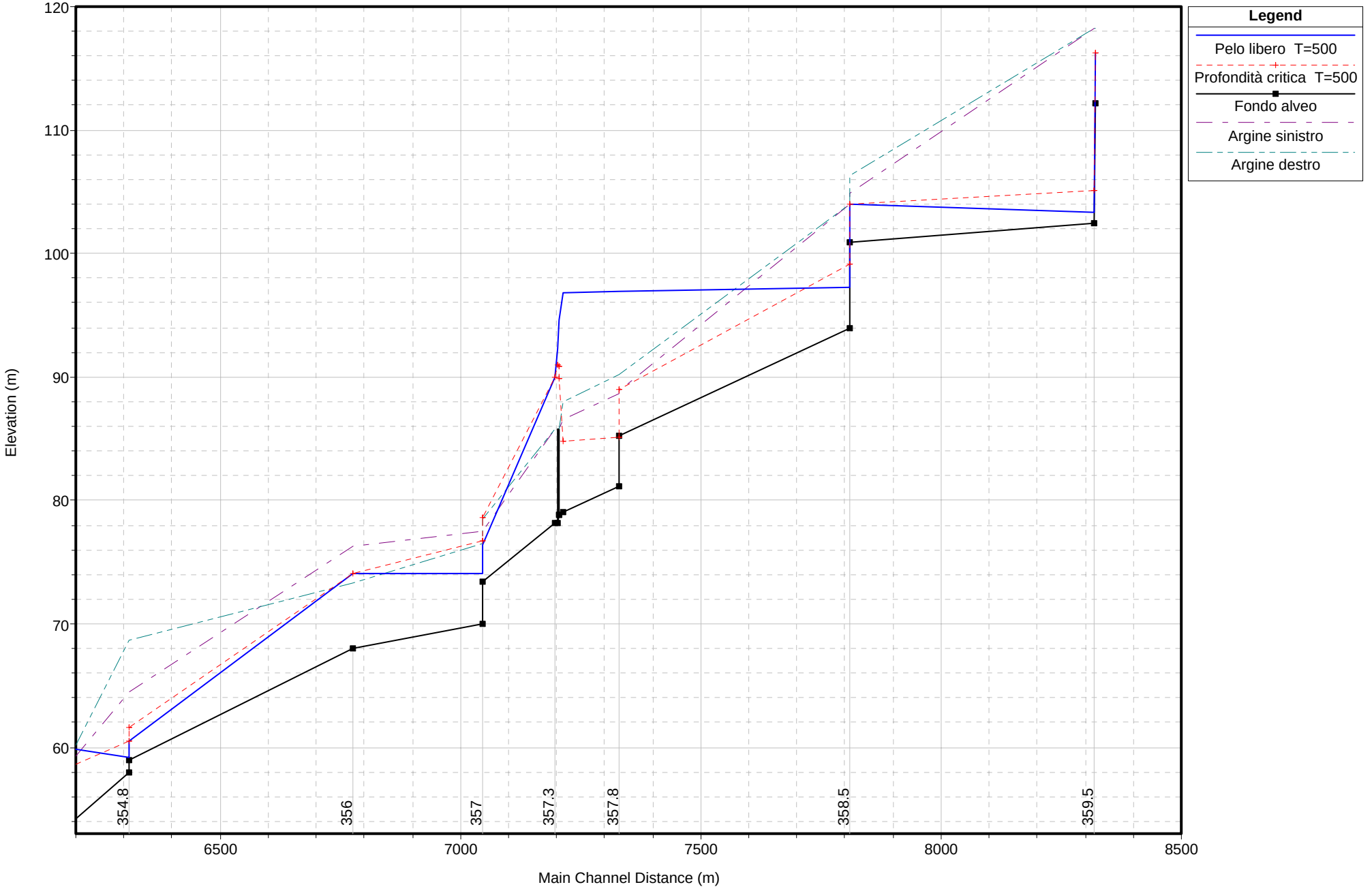
Torrente Pora – Profilo longitudinale di moto permanente T=500 anni



Torrente Pora – Profilo longitudinale di moto permanente T=500 anni



Torrente Pora – Profilo longitudinale di moto permanente T=500 anni



GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO LIBERO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI

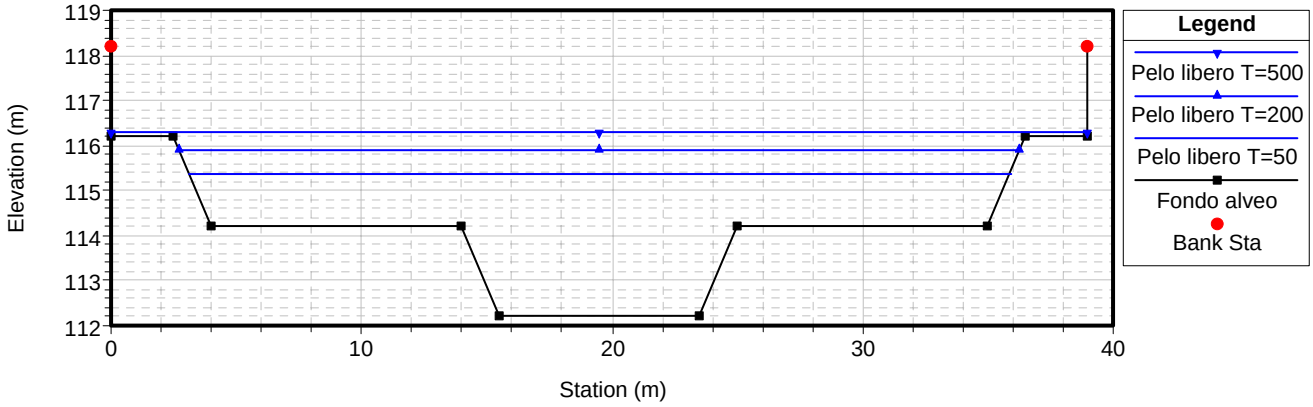
PORA

da sez. 360
a sez. 1

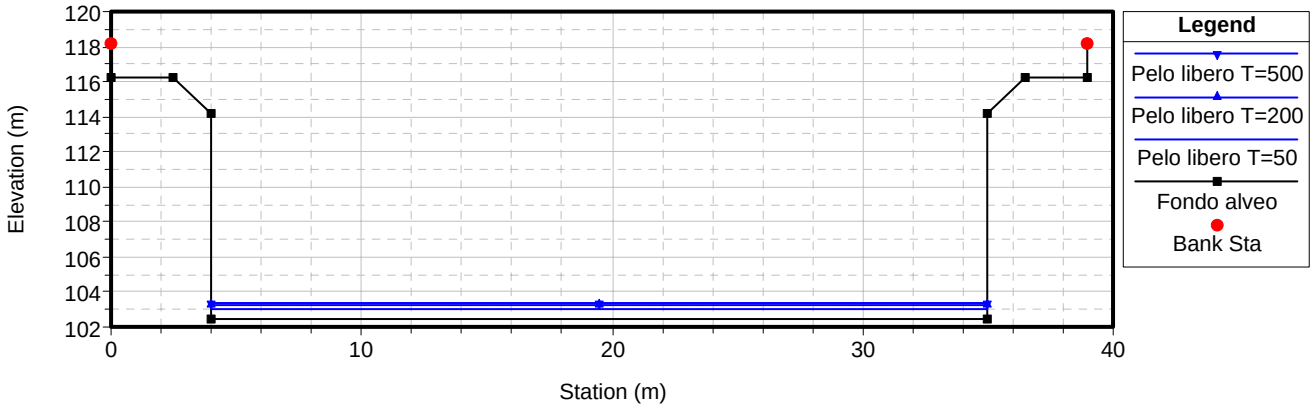
TORRENTE PORA

Sezioni trasversali

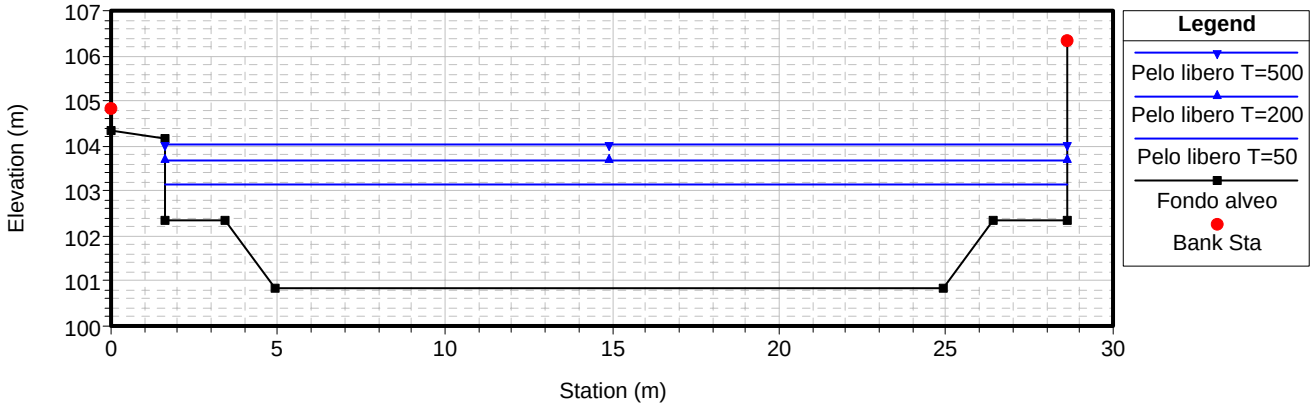
RS = 360



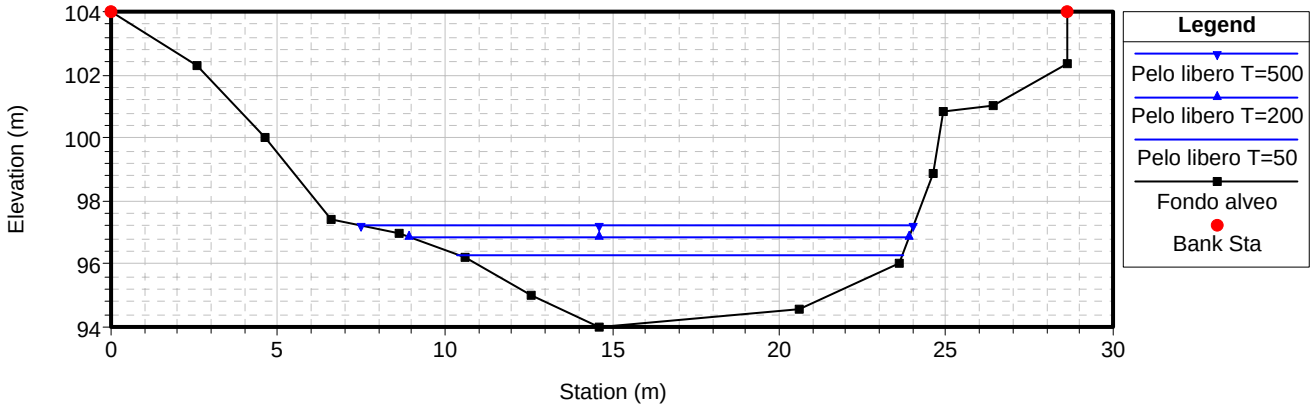
RS = 359.5



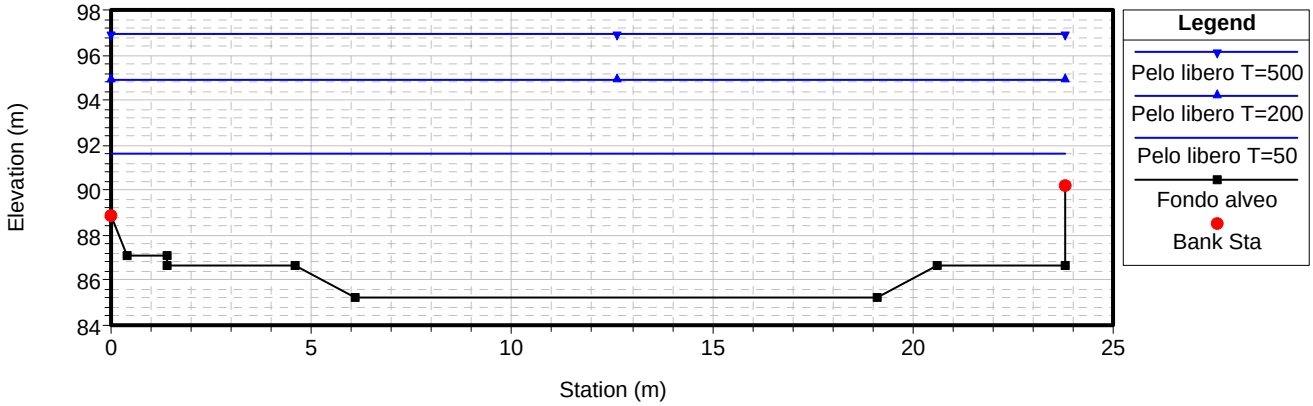
RS = 359



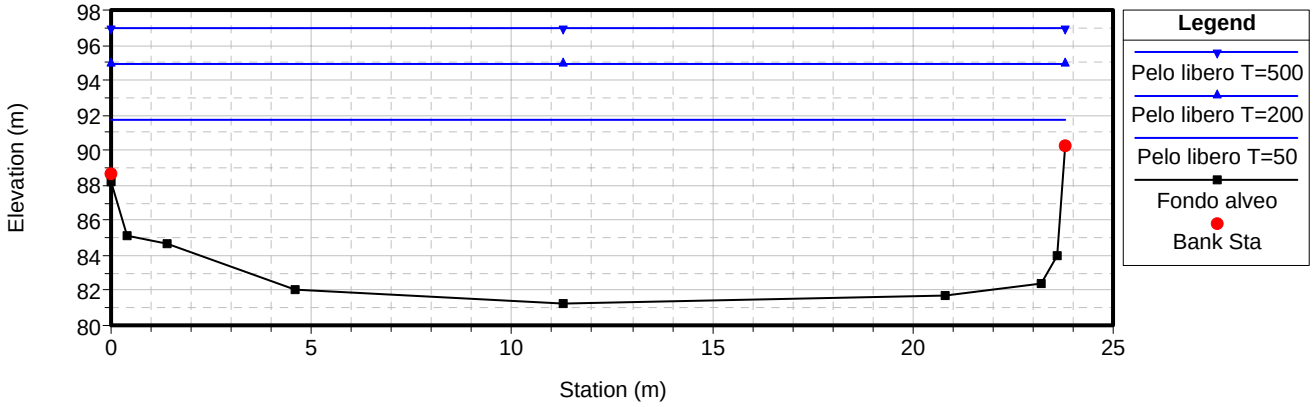
RS = 358.5



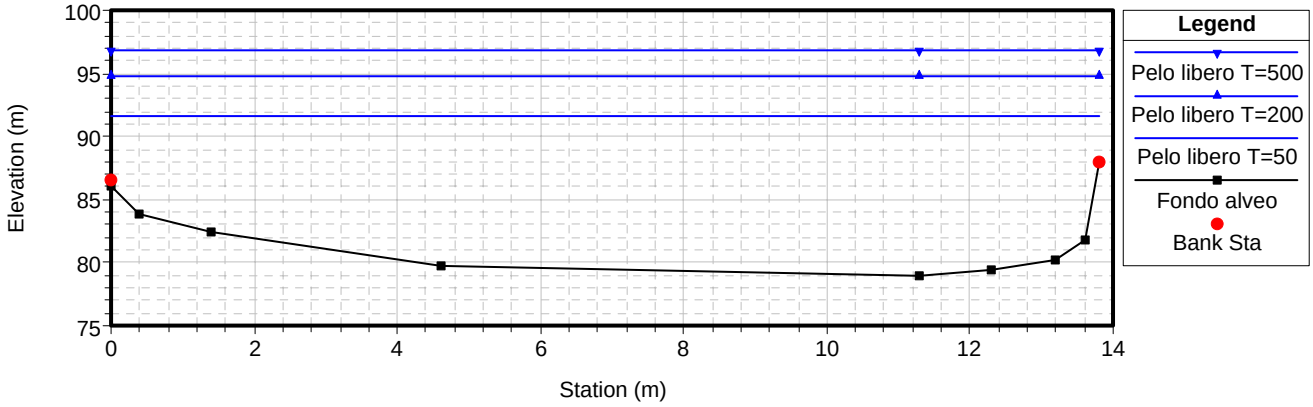
RS = 358



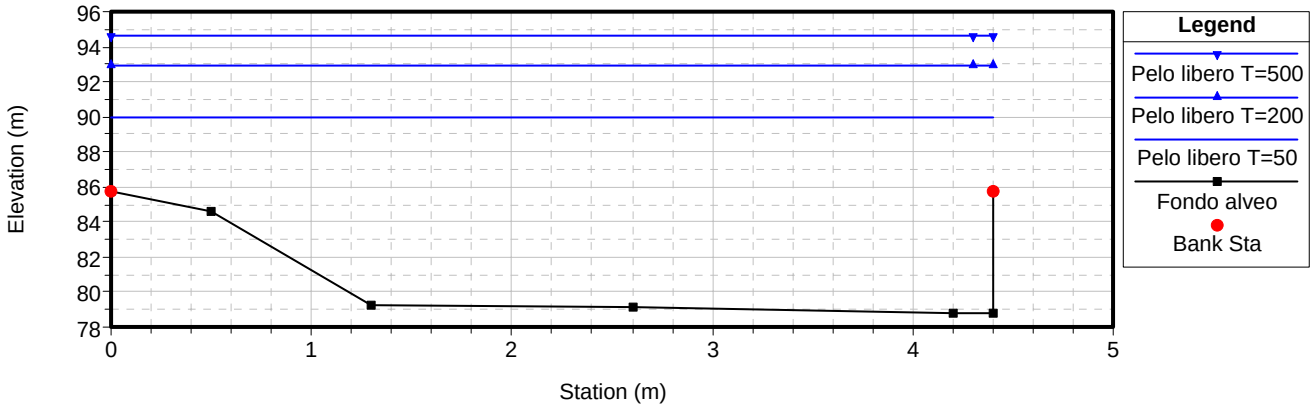
RS = 357.8



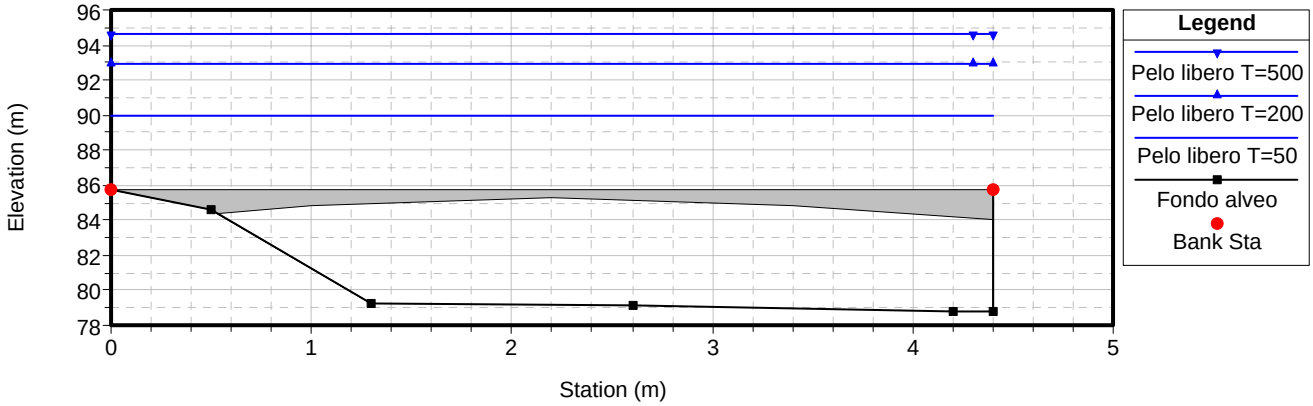
RS = 357.7



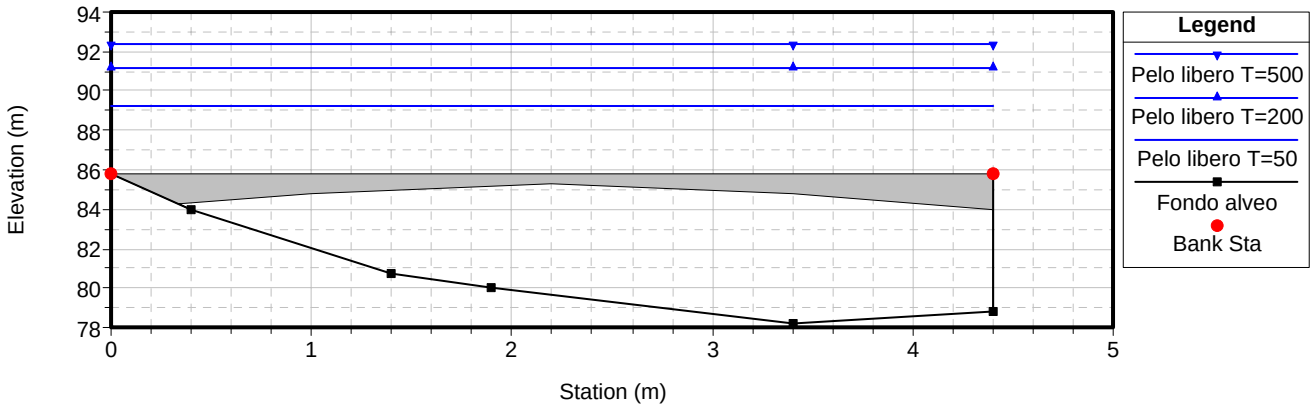
RS = 357.5



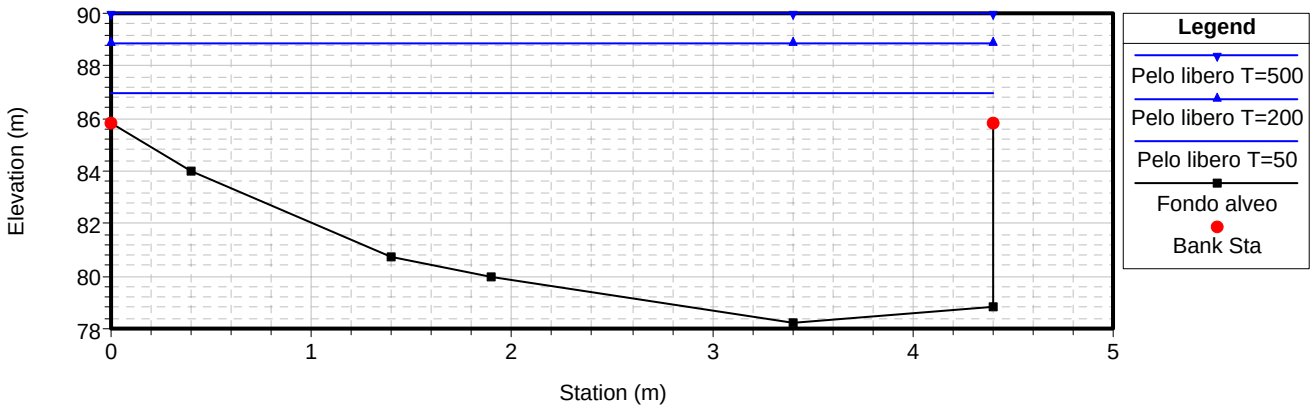
RS = 357.4 BR



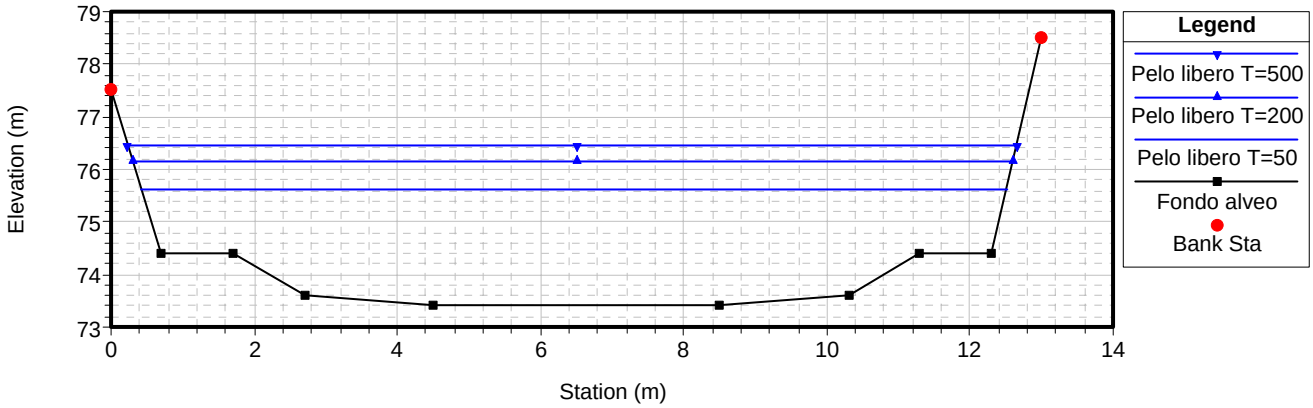
RS = 357.4 BR



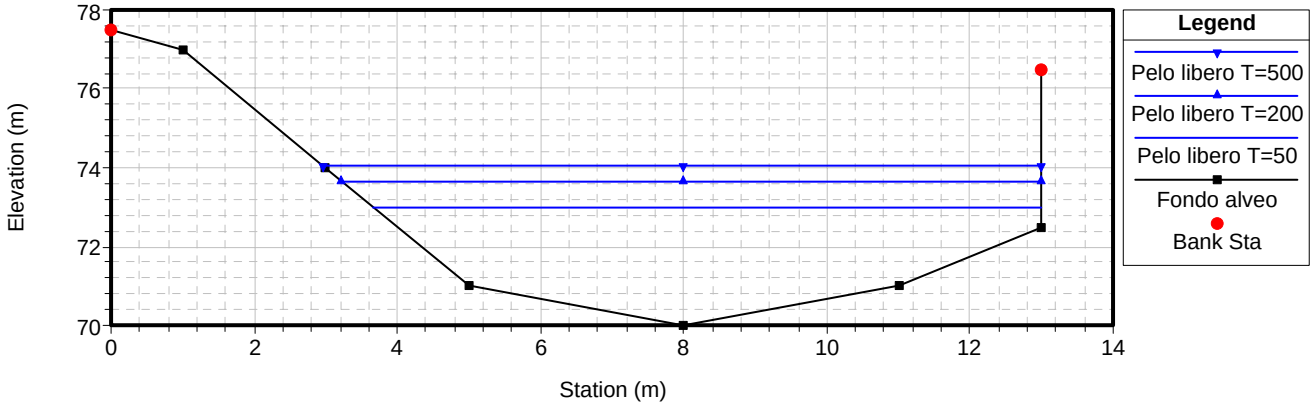
RS = 357.3



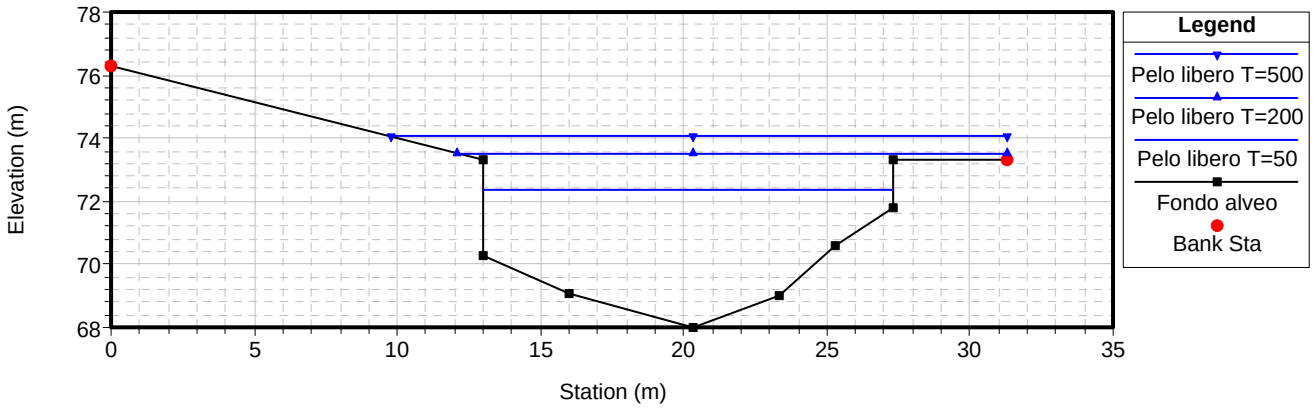
RS = 357.2



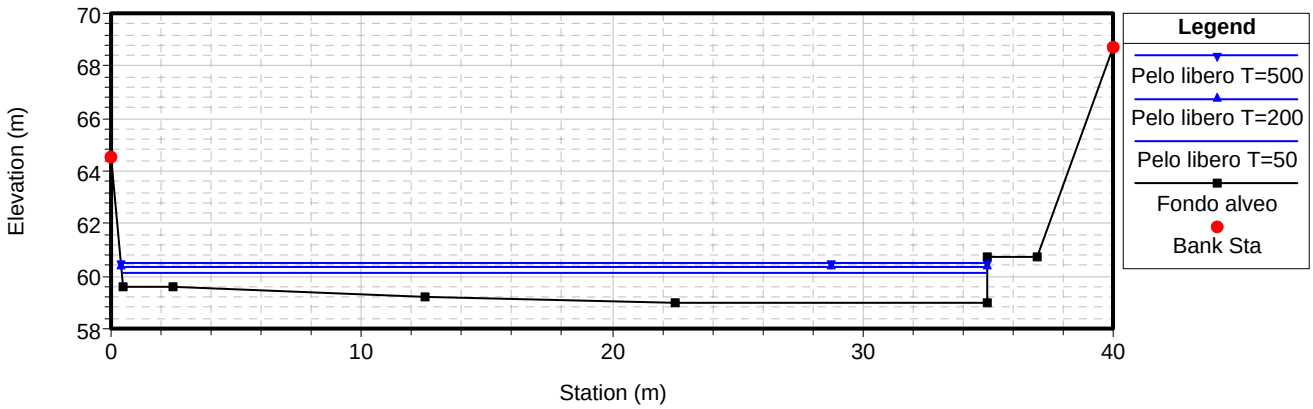
RS = 357



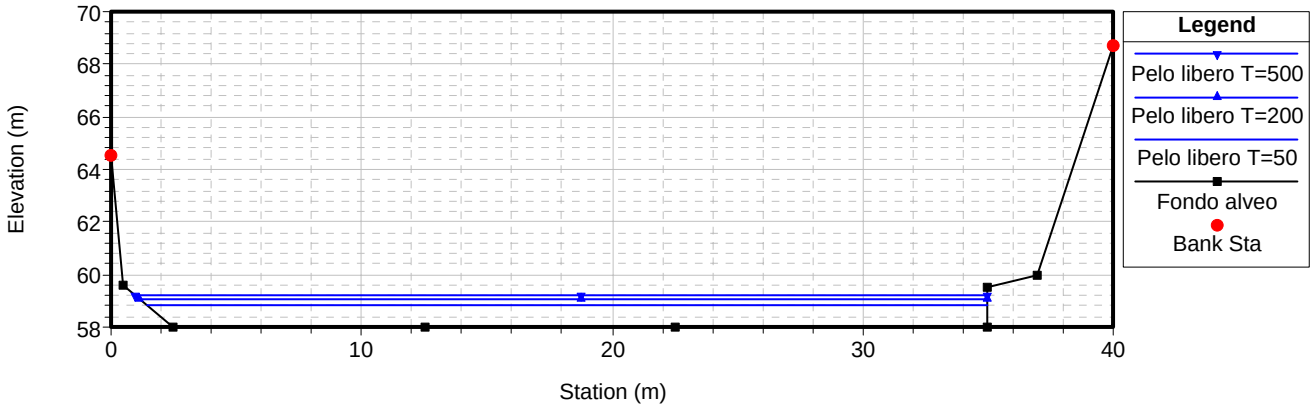
RS = 356



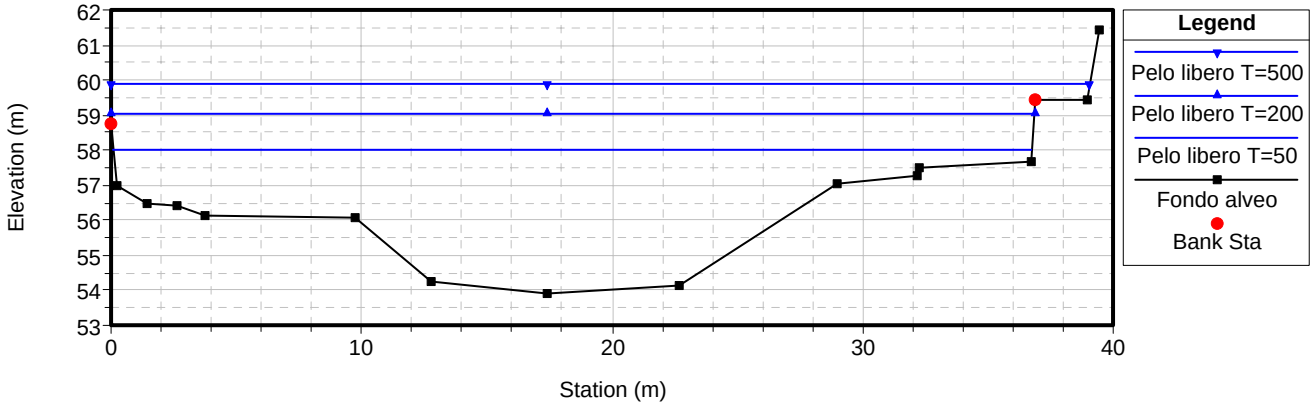
RS = 355



RS = 354.8



RS = 354.6



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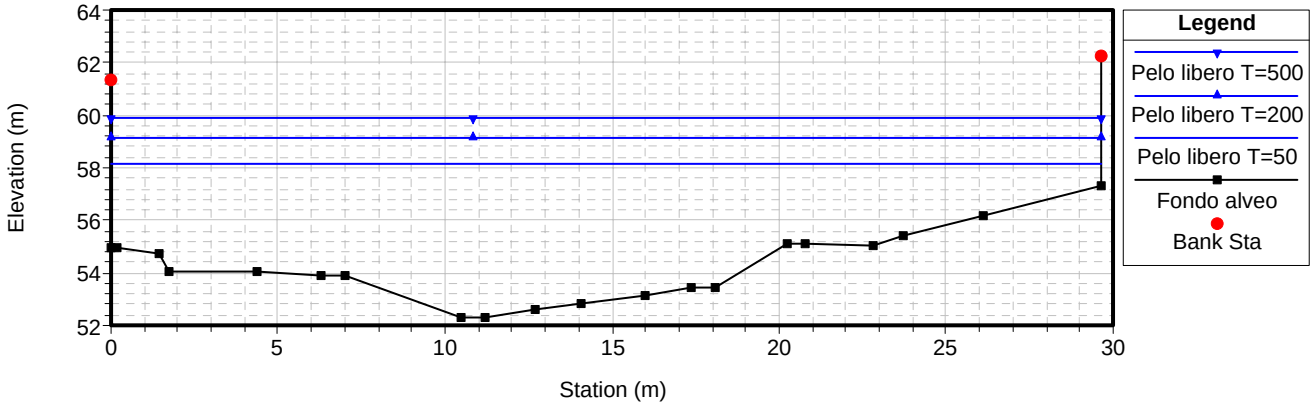
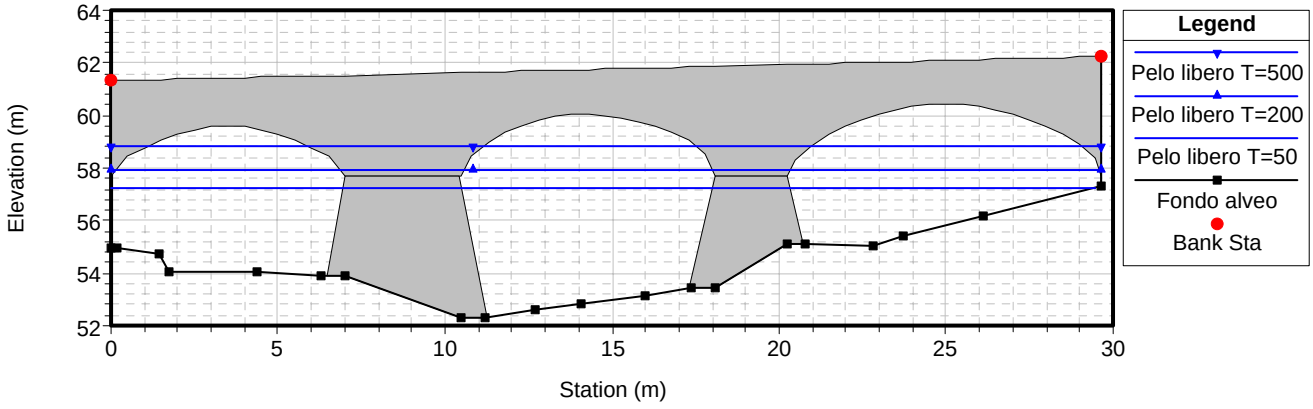
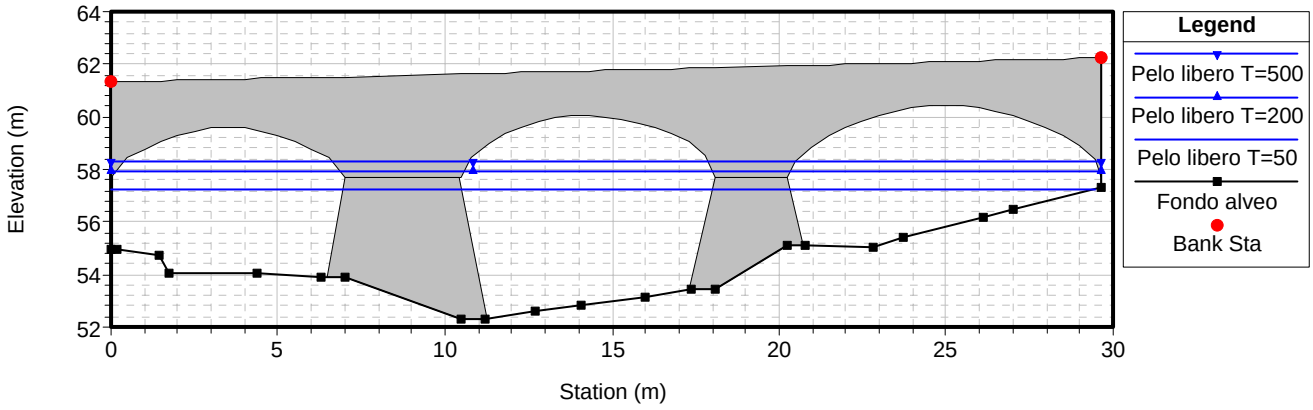


RS = 354.3 BR



RS = 354.3 BR



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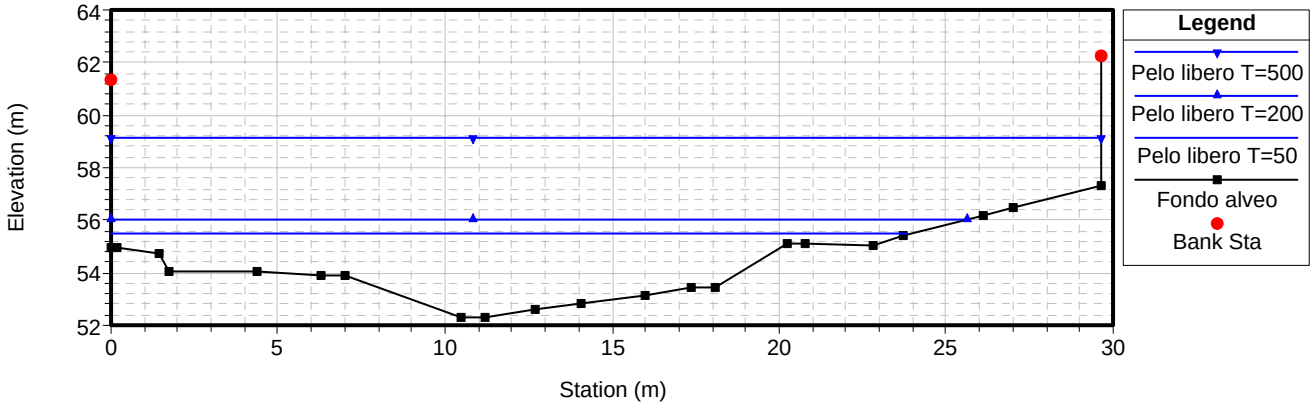

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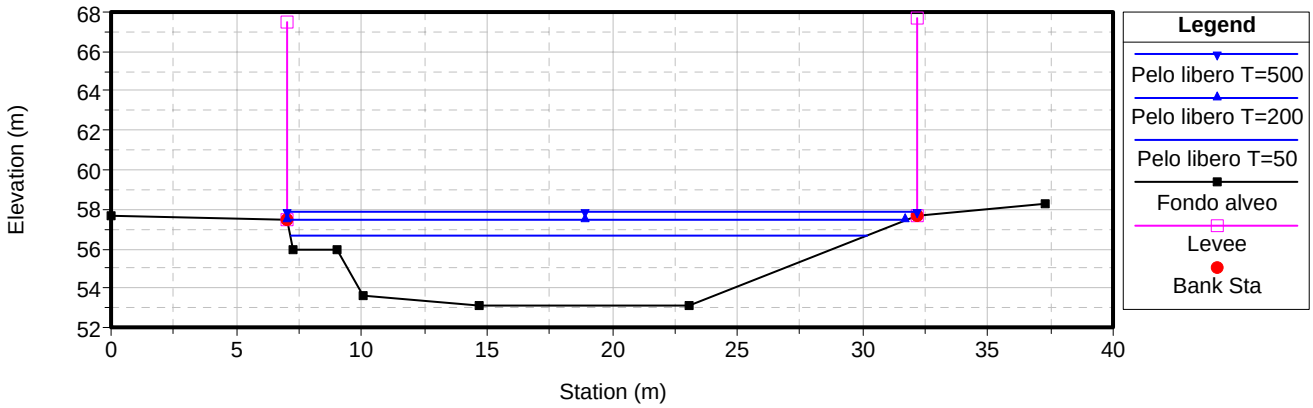
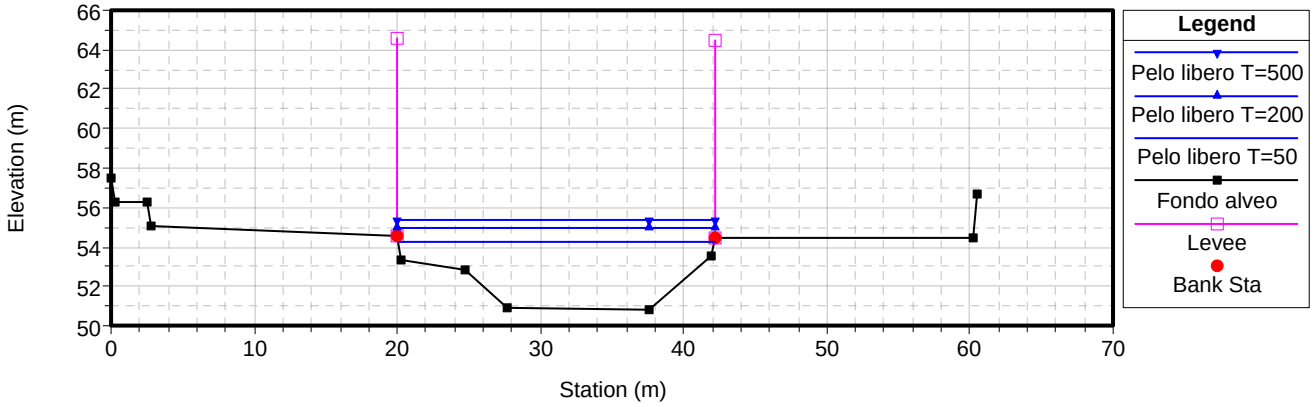


RS = 353.4



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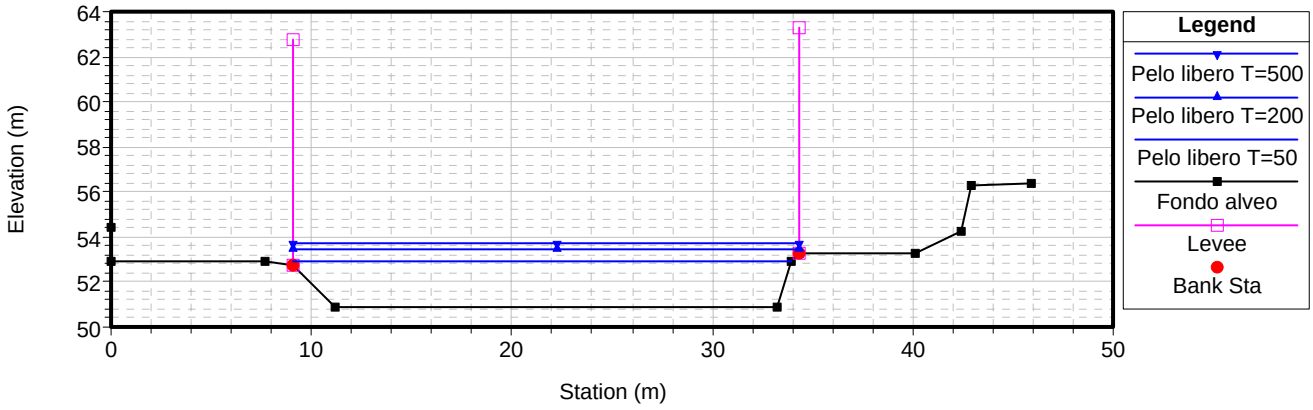

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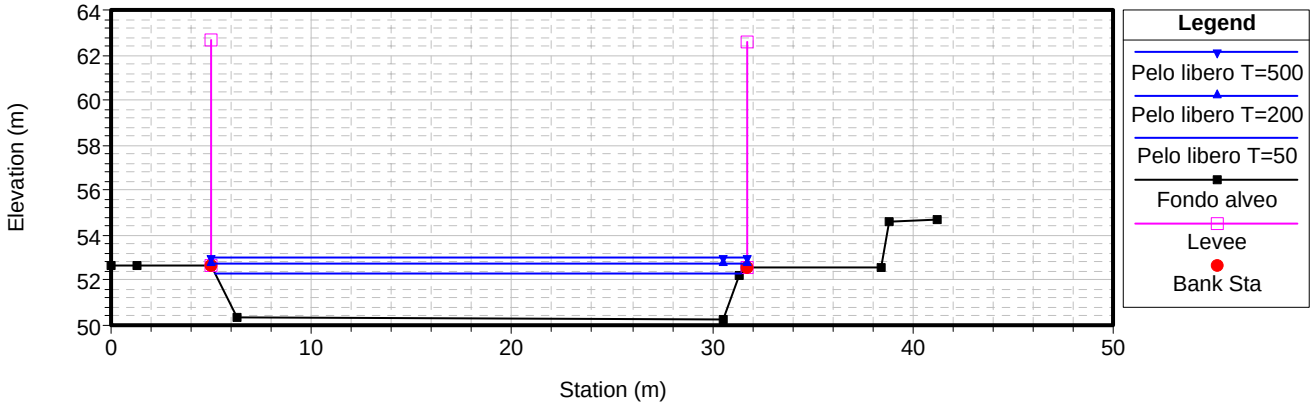

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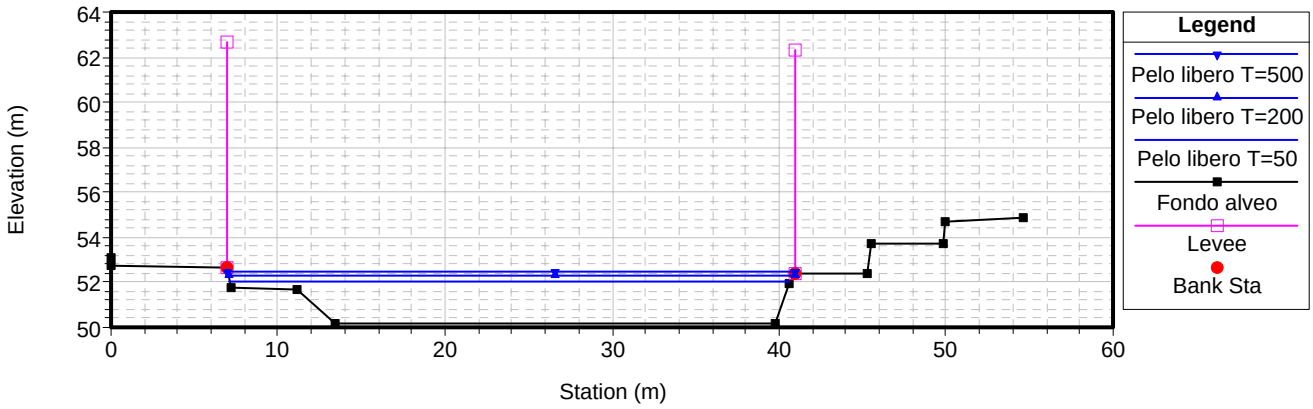
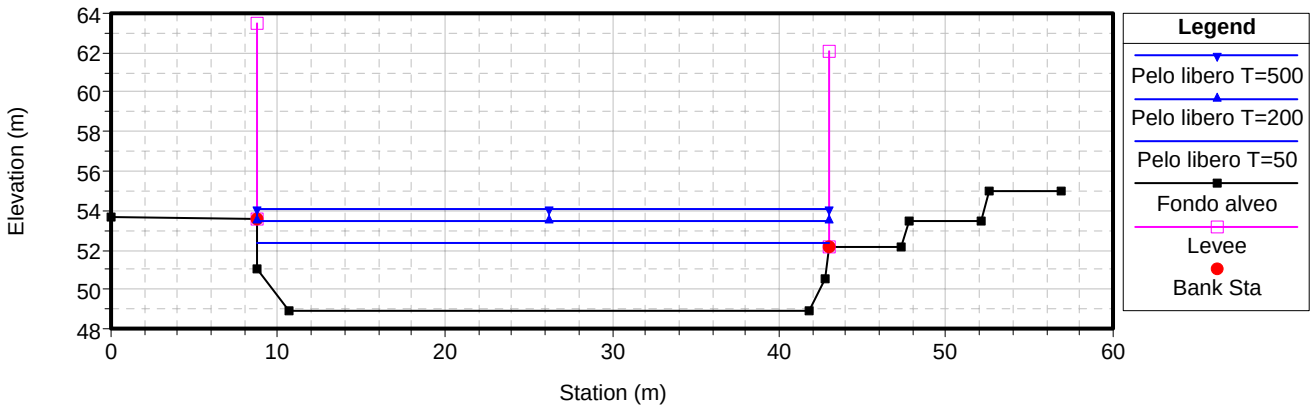
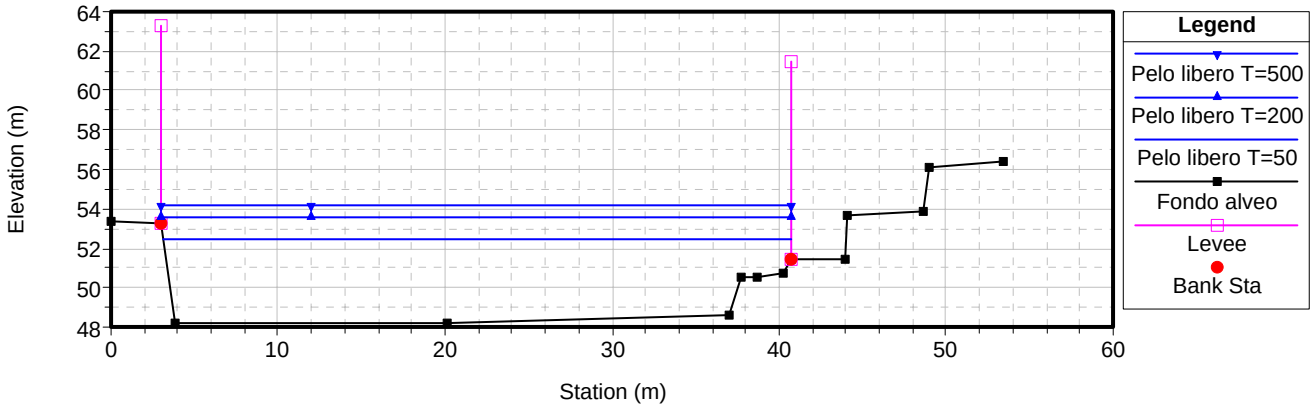


RS = 351.8



RS = 351.6



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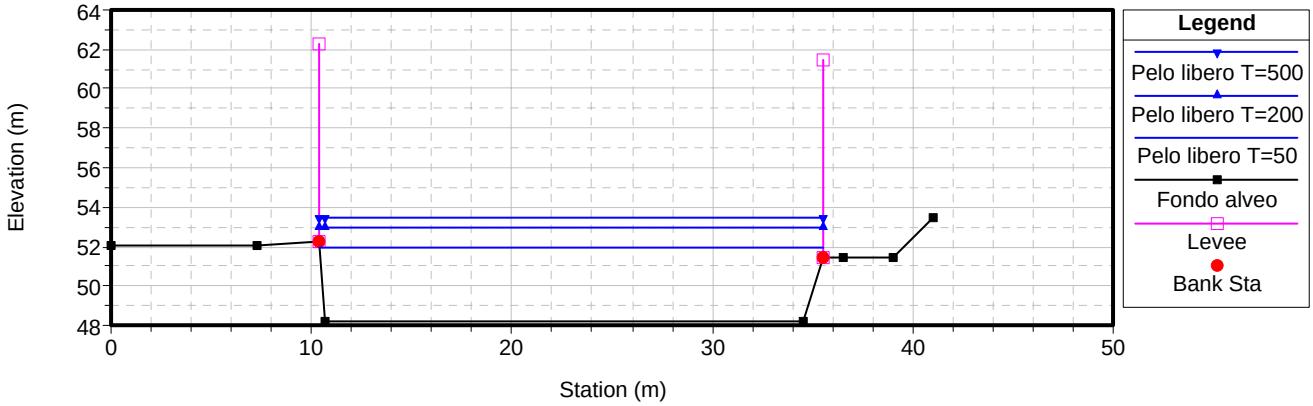

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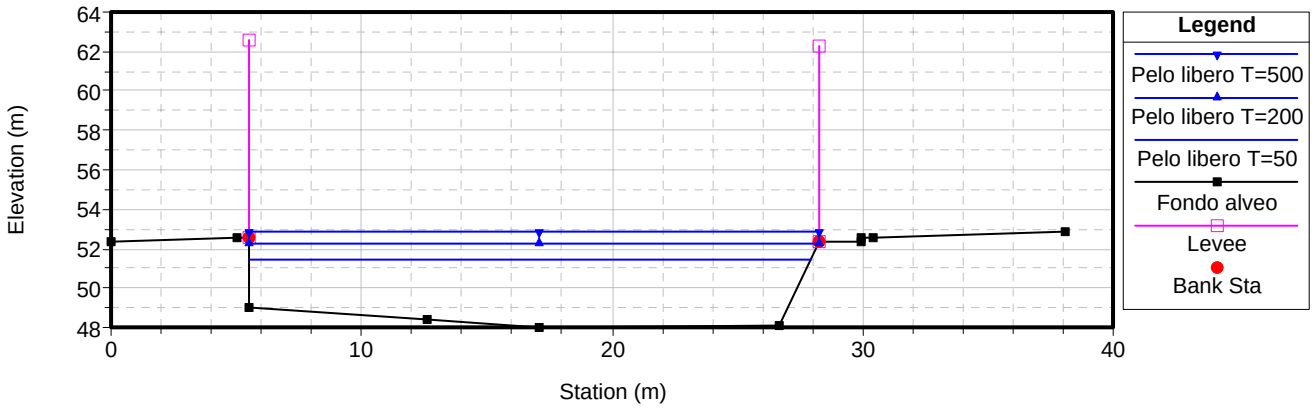
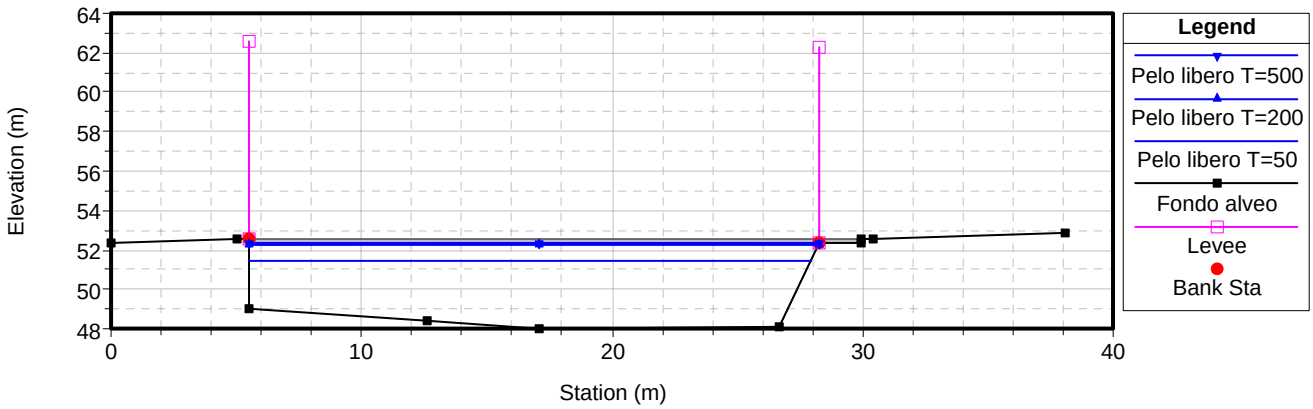
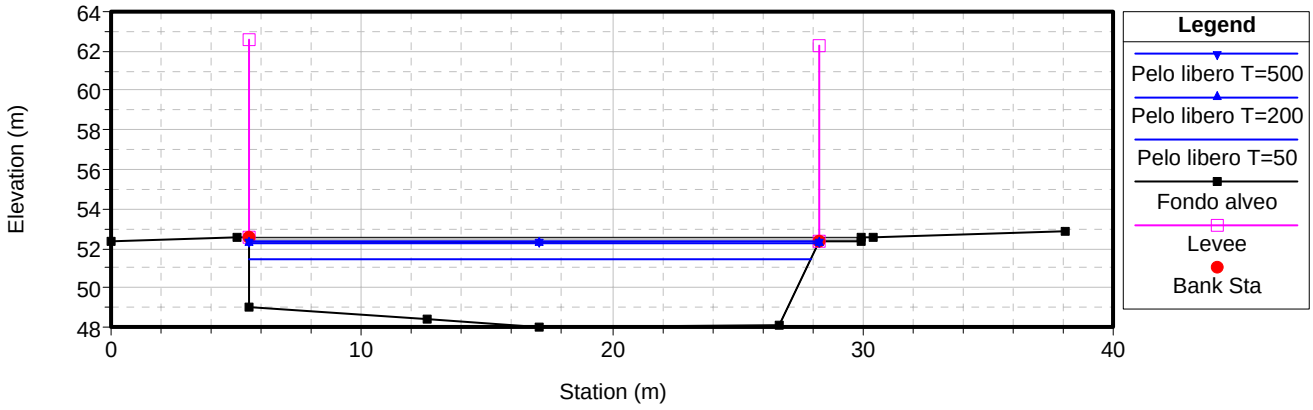


RS = 351.1 BR



RS = 351.1 BR



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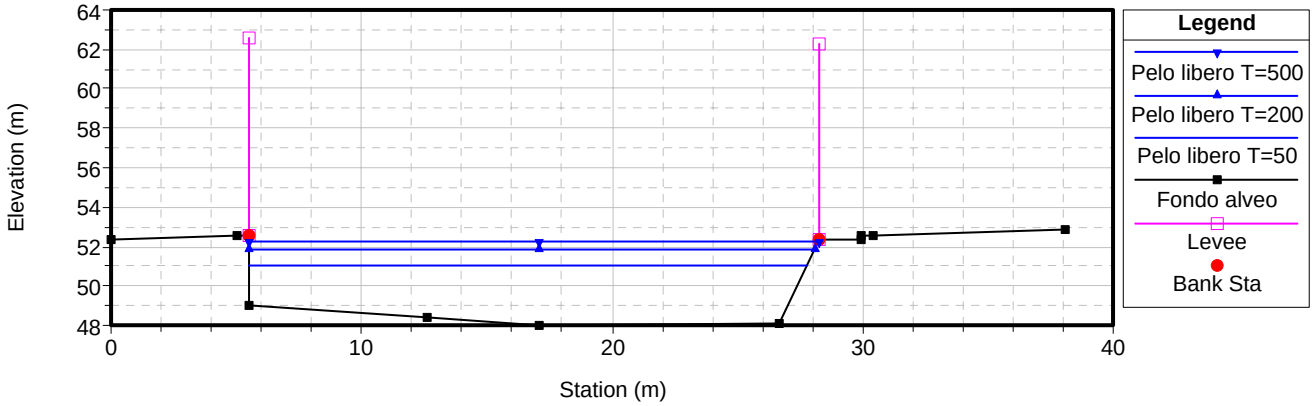
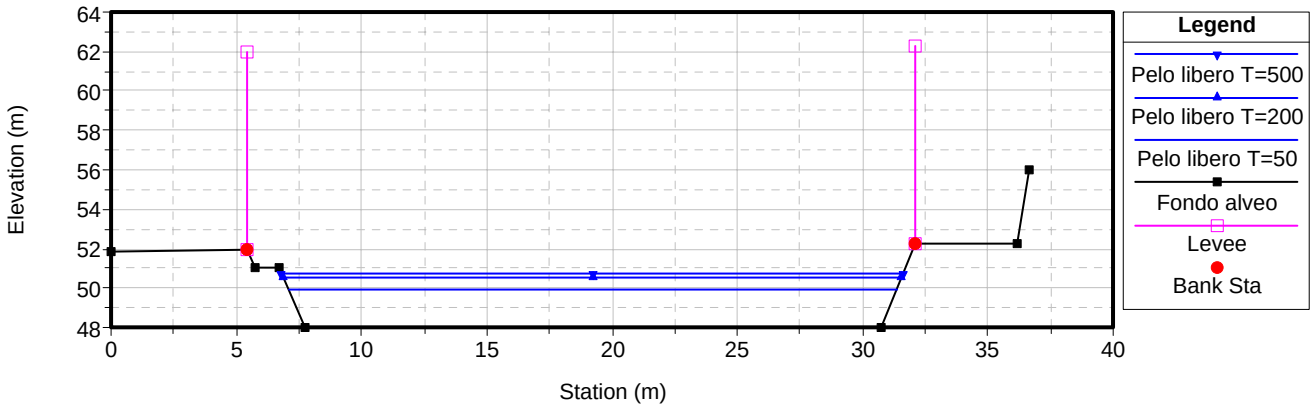


RS = 351



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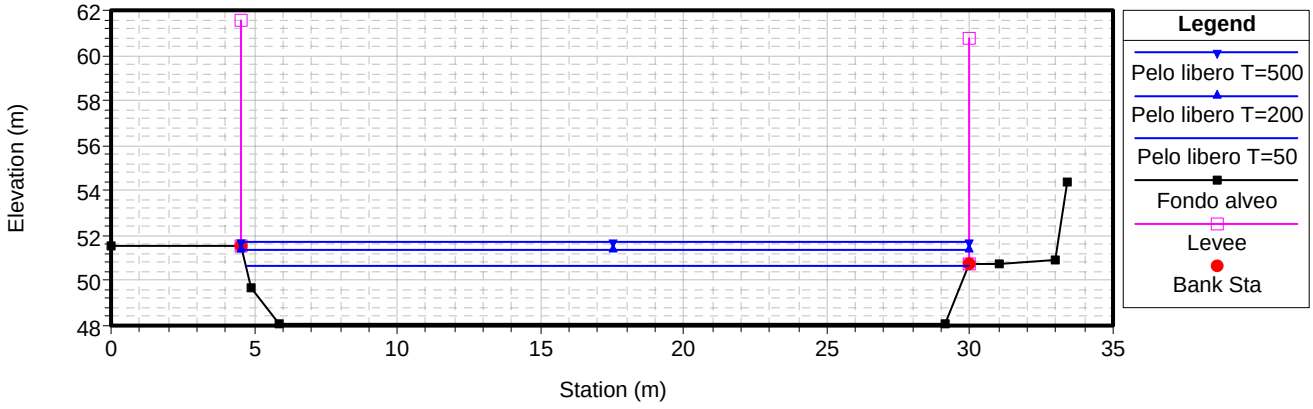

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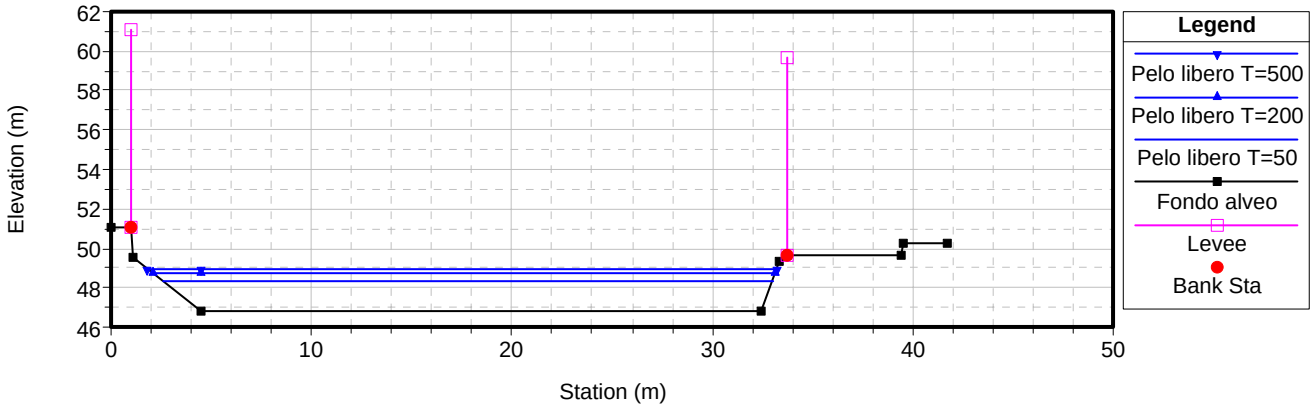

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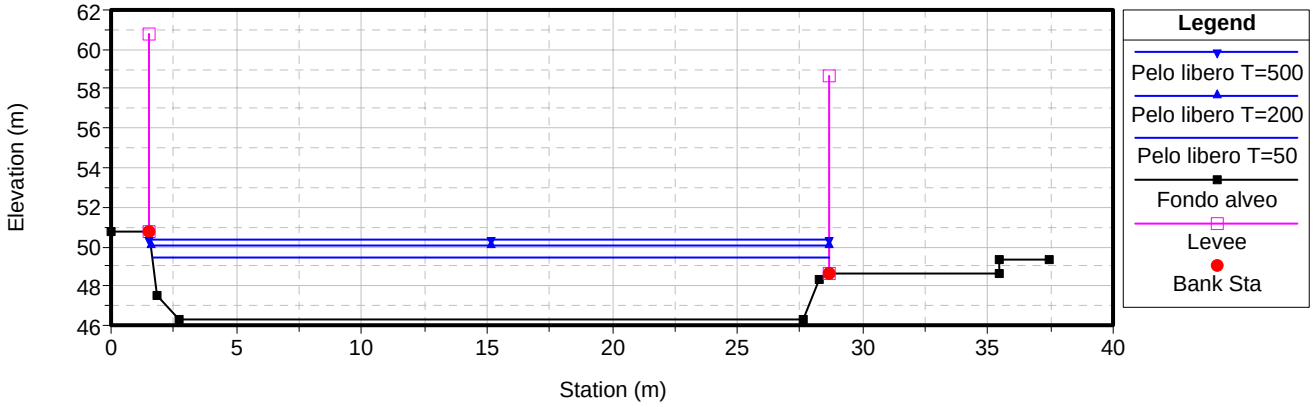
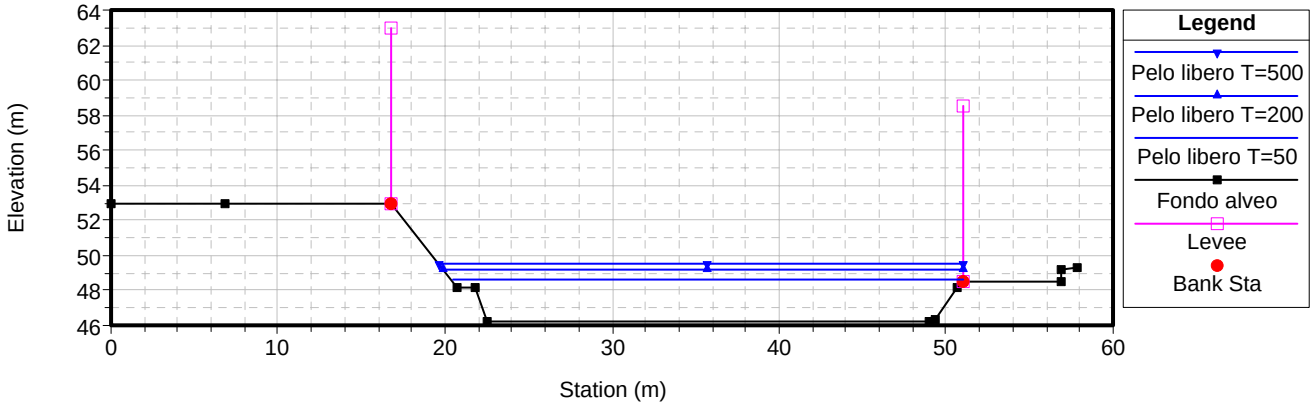
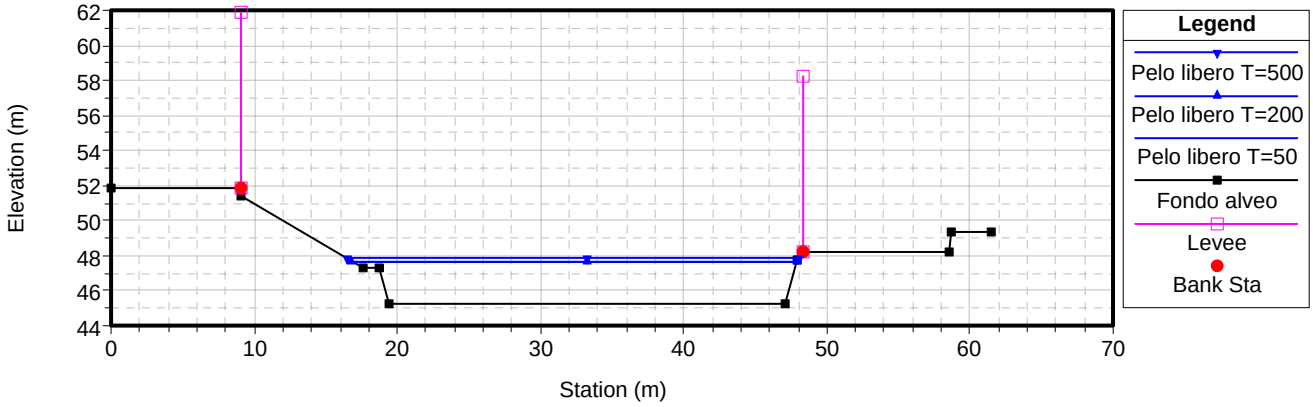


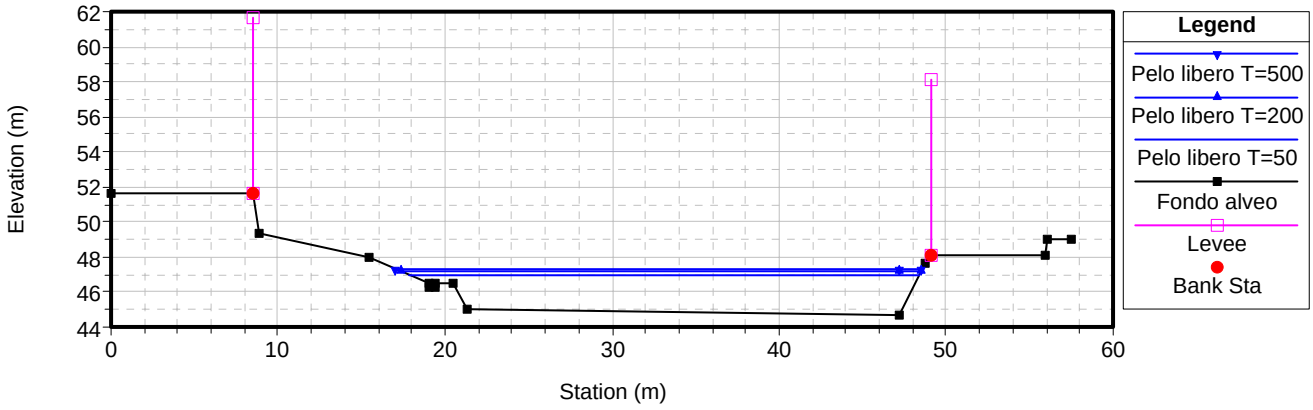
RS = 350.2



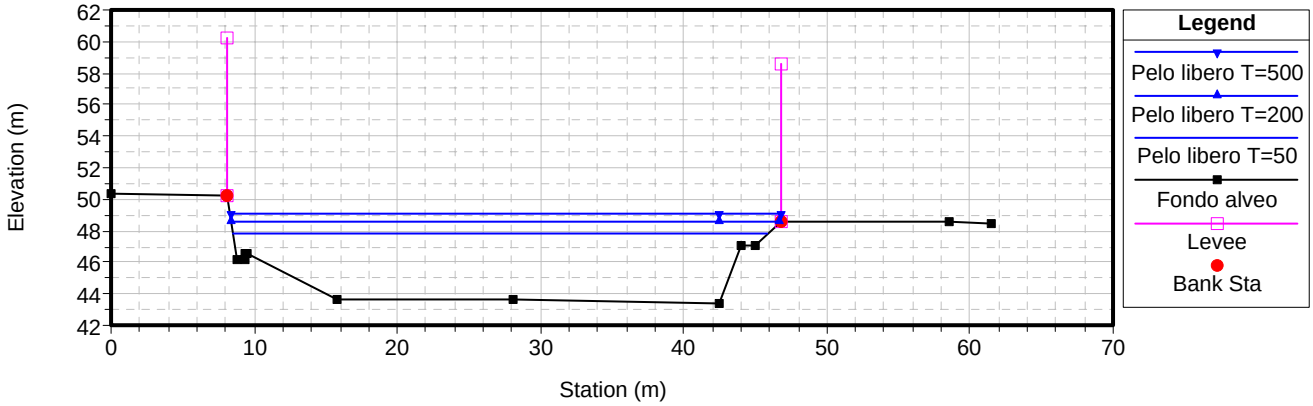
RS = 350



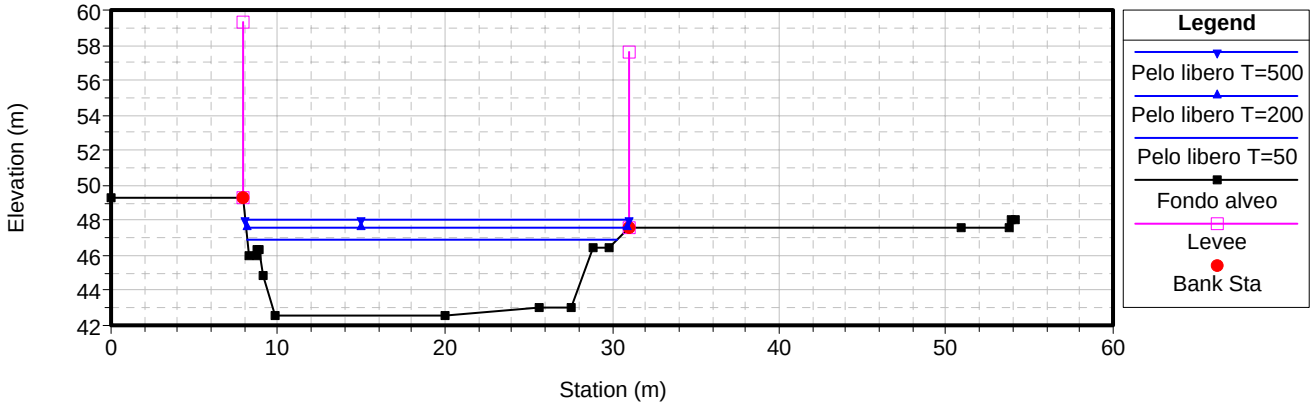
RS = 349.8



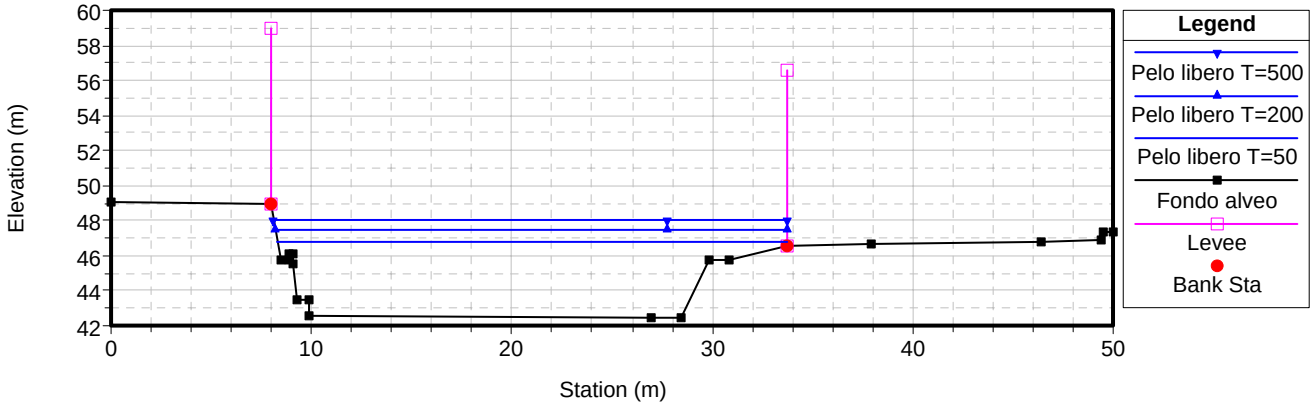
RS = 349.6



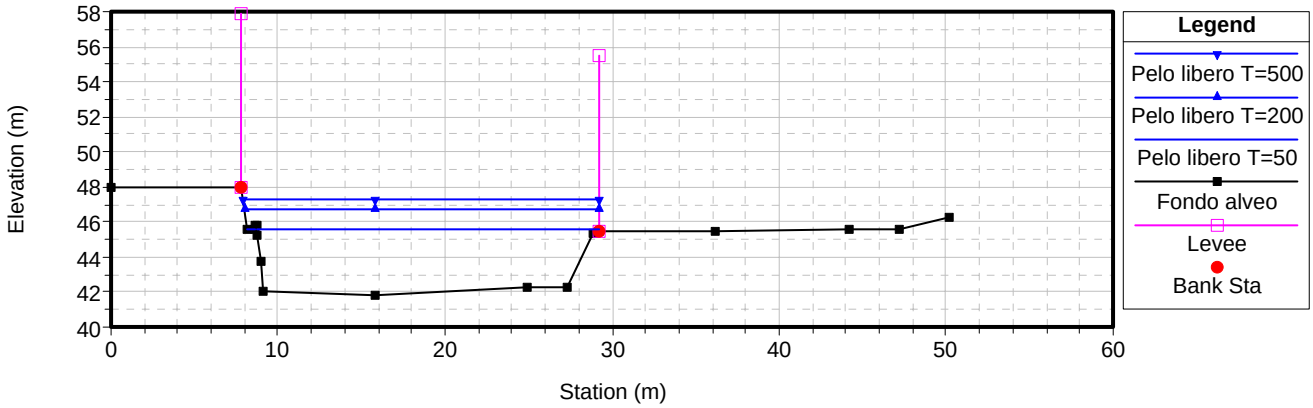
RS = 349.4



RS = 349.2



RS = 349



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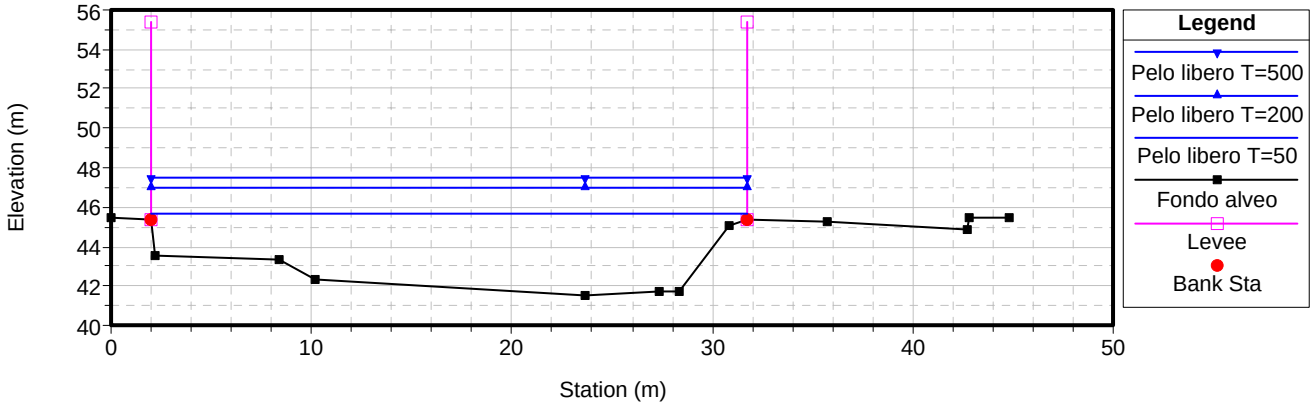
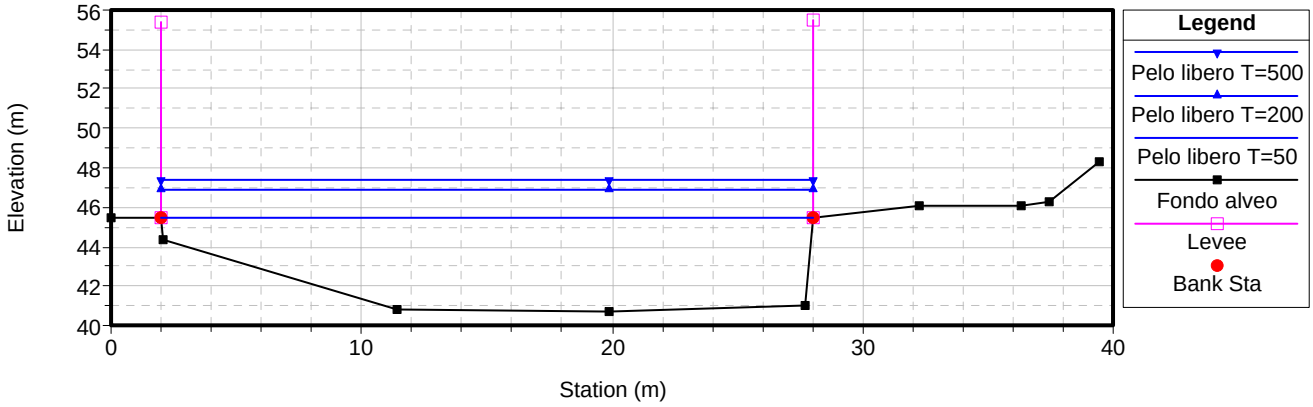
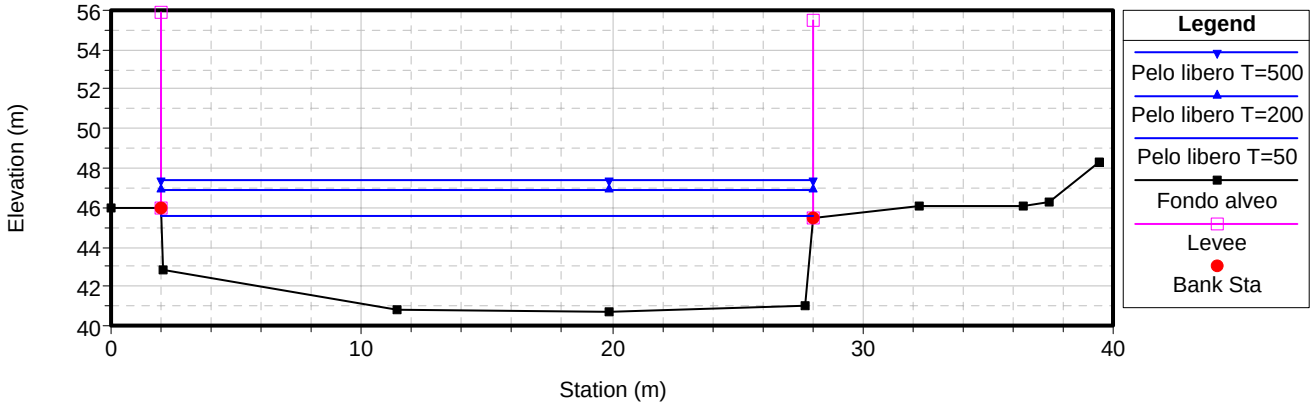


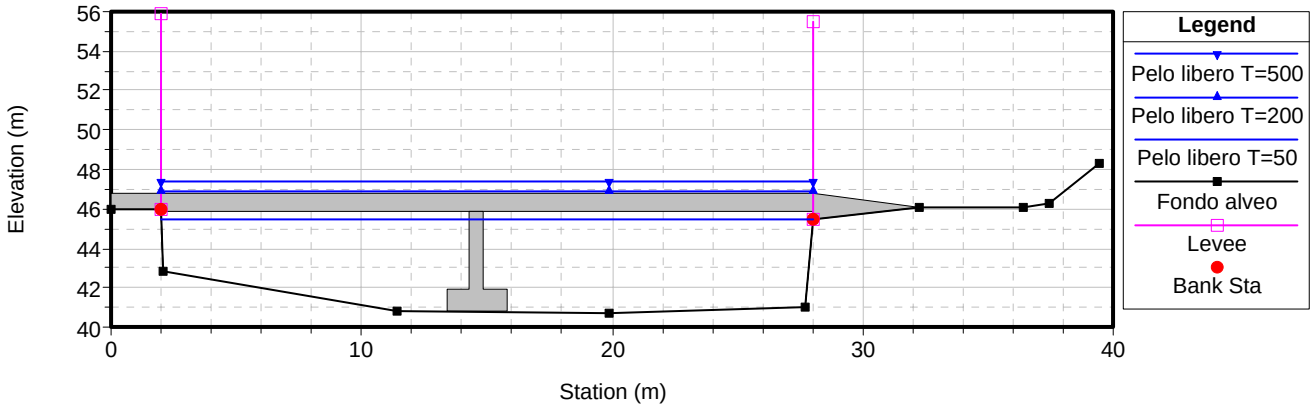
RS = 348.6



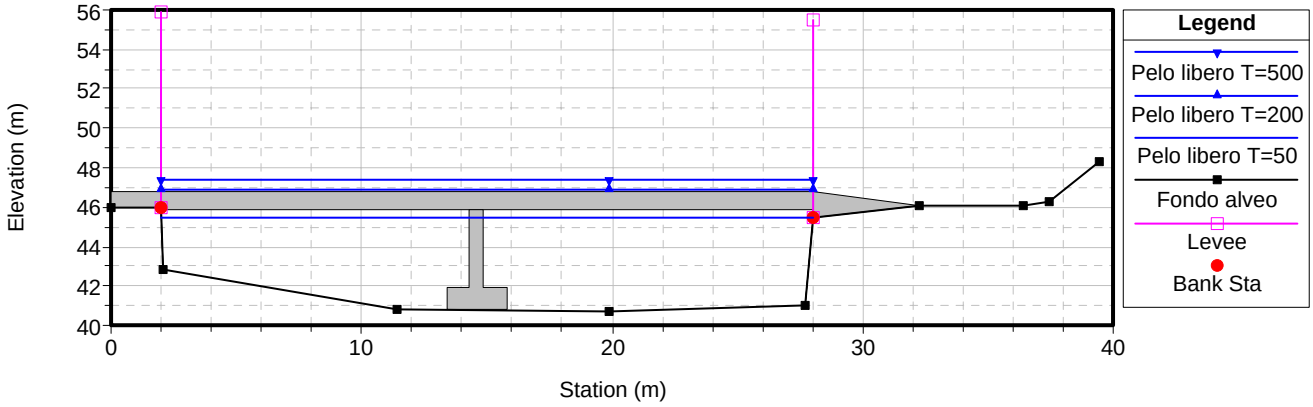
RS = 348.4



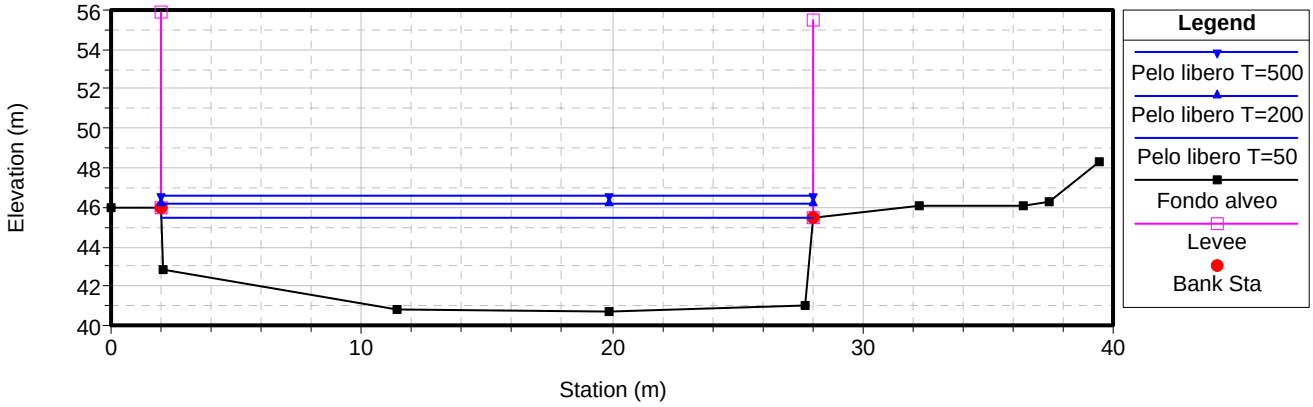
RS = 348.3 BR



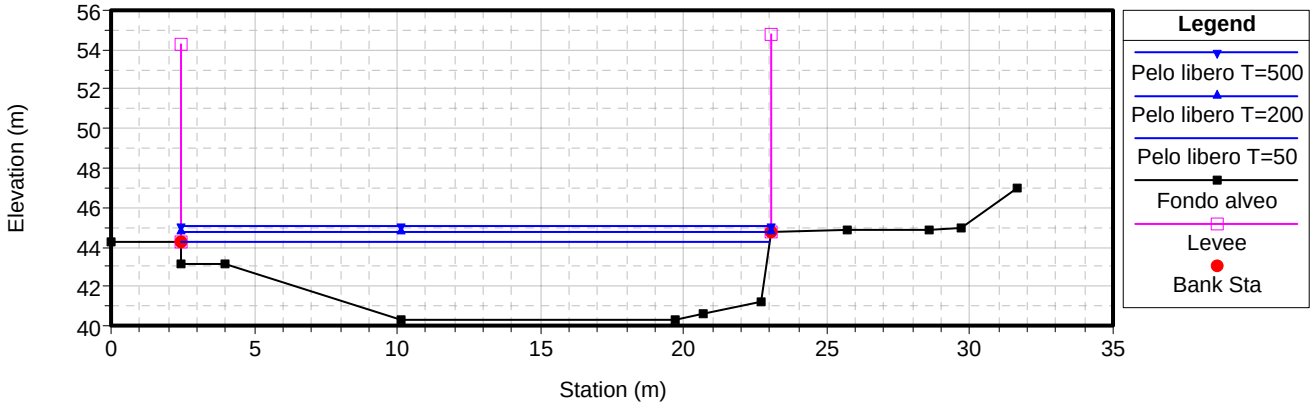
RS = 348.3 BR



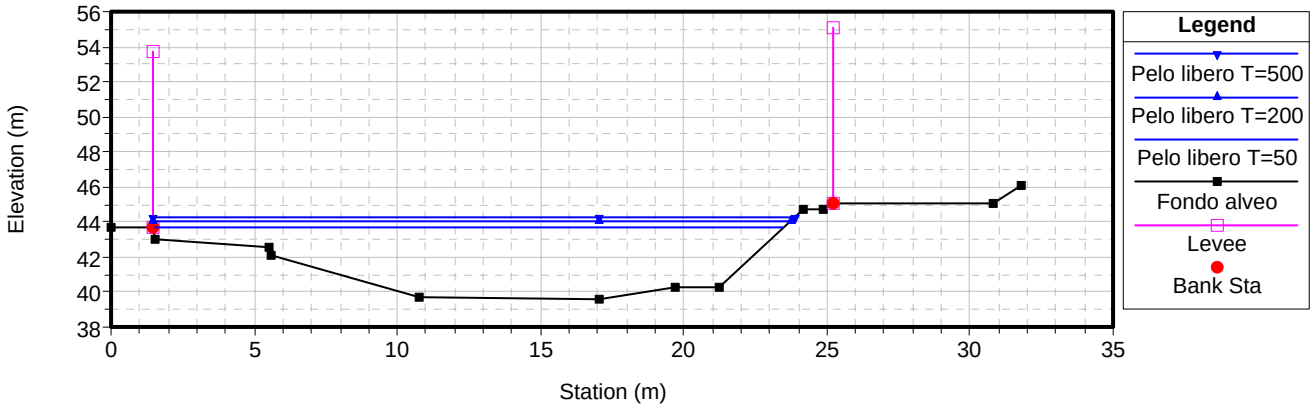
RS = 348.2



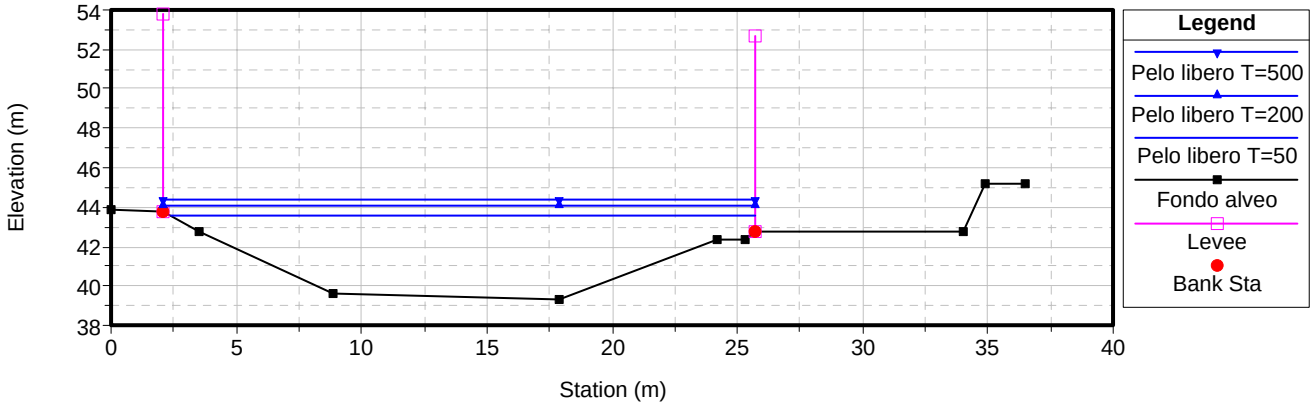
RS = 348



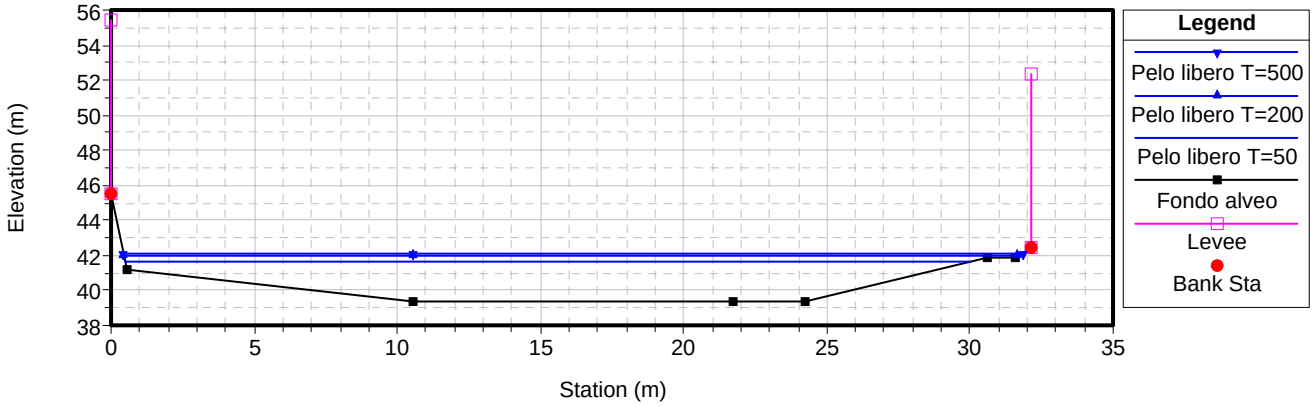
RS = 347.8



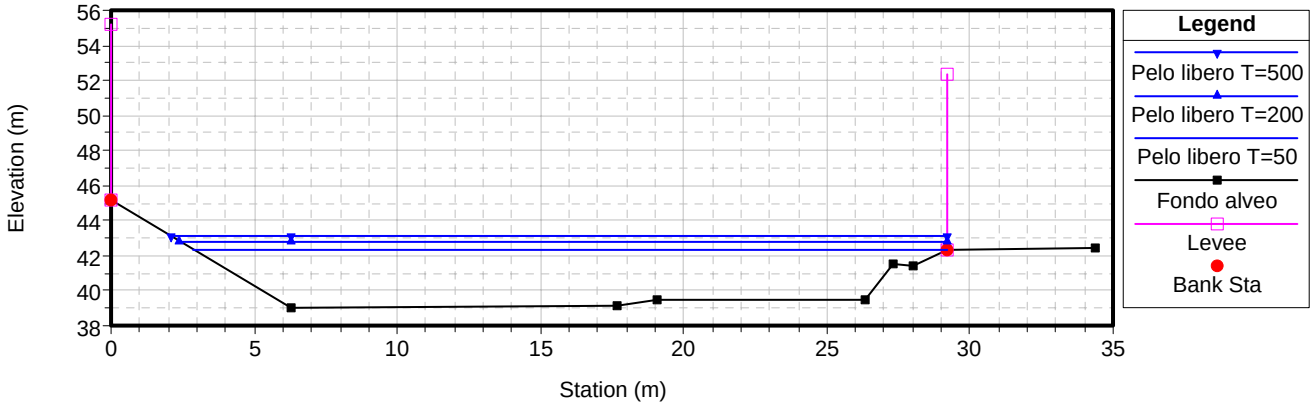
RS = 347.6



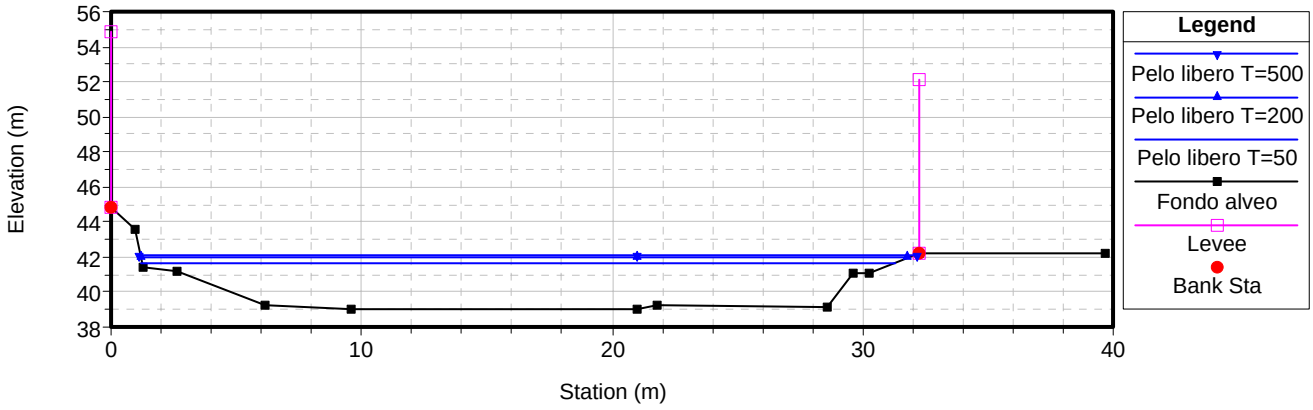
RS = 347.4



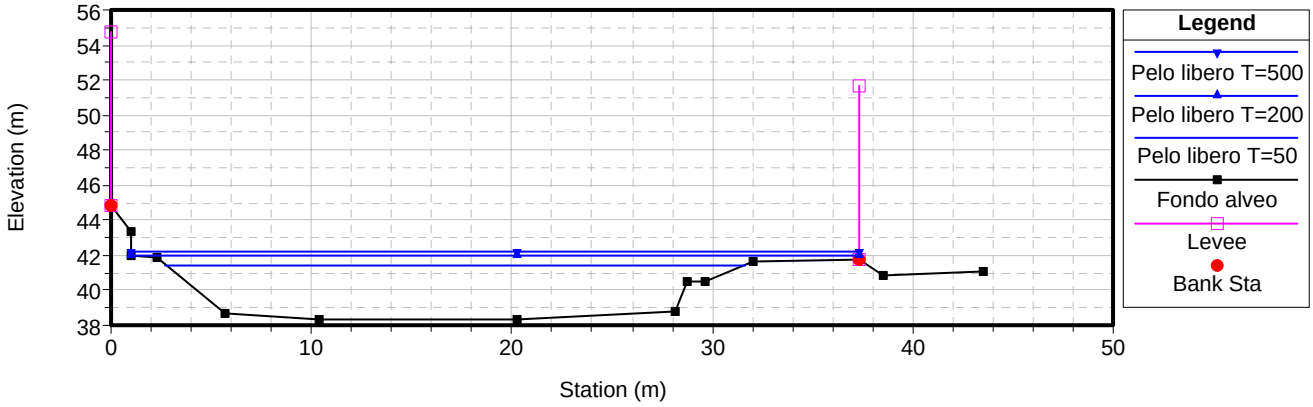
RS = 347.2



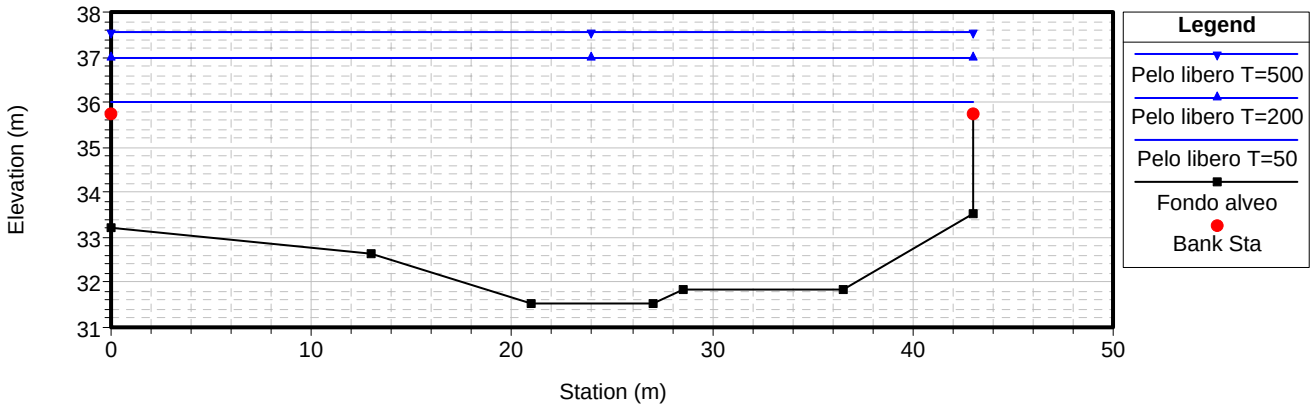
RS = 347.1



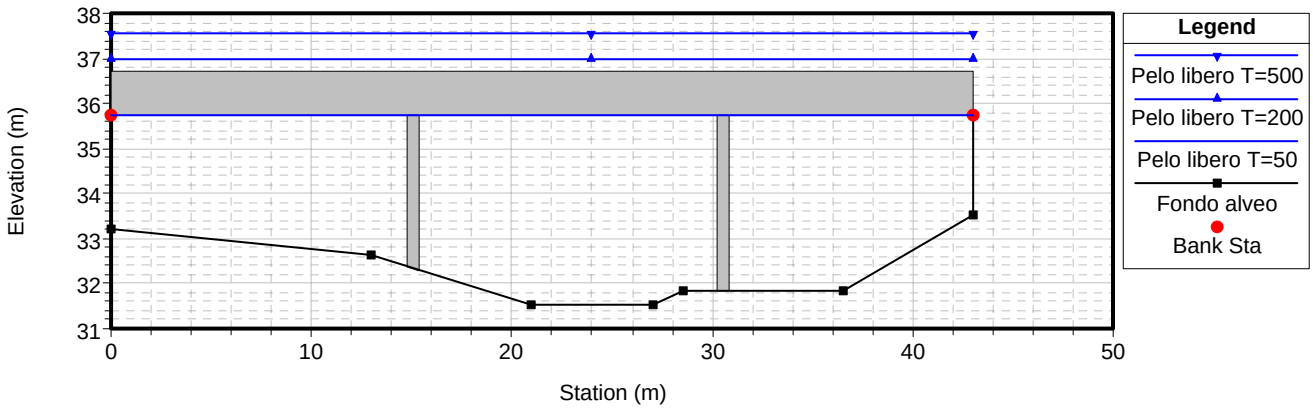
RS = 347



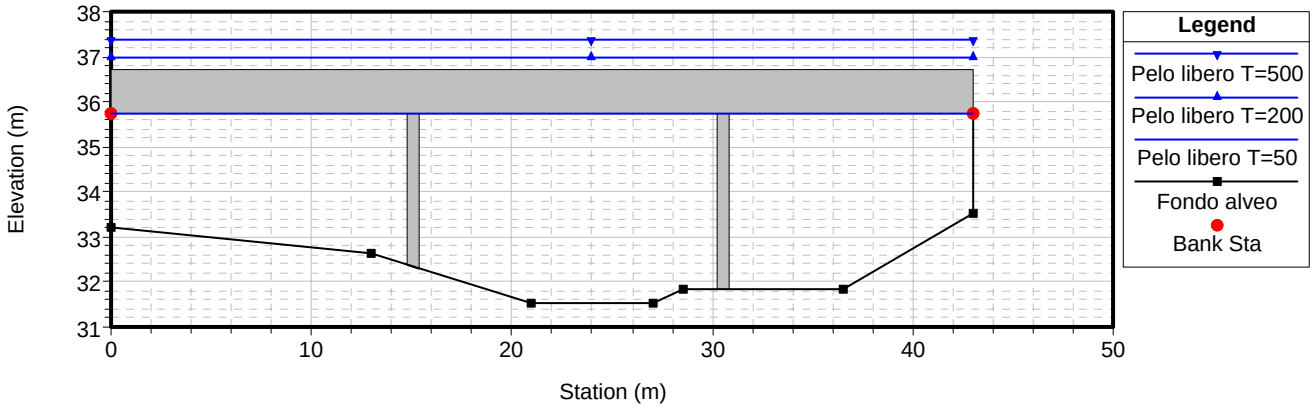
RS = 346.4



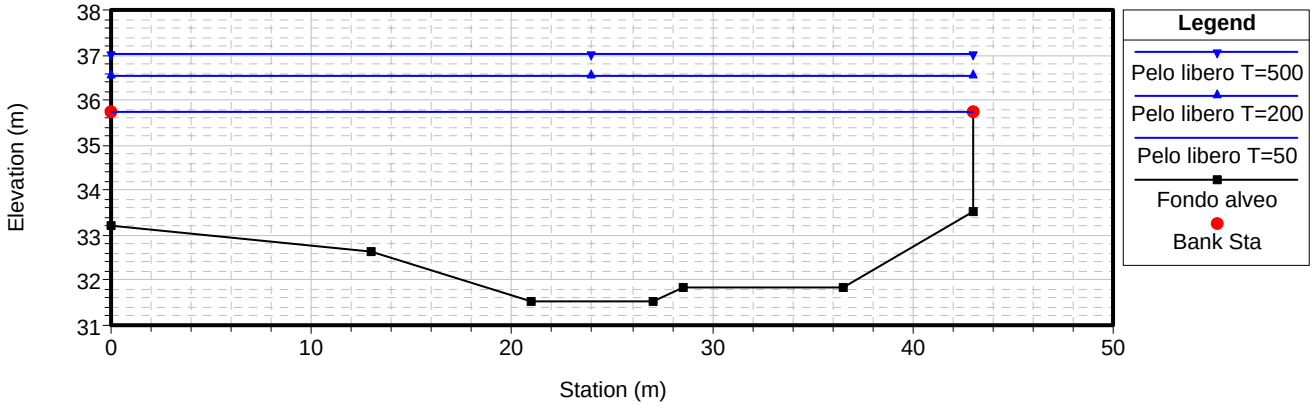
RS = 346.3 BR



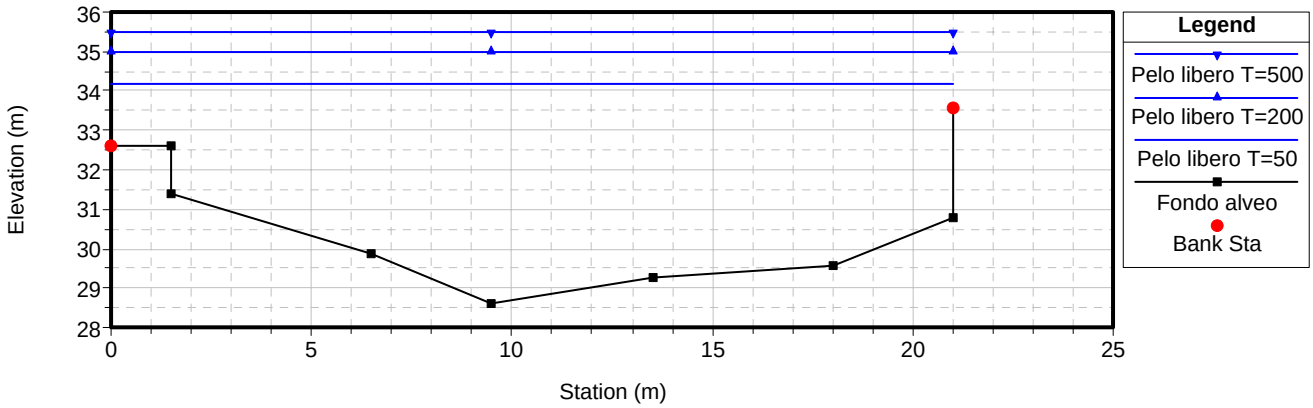
RS = 346.3 BR



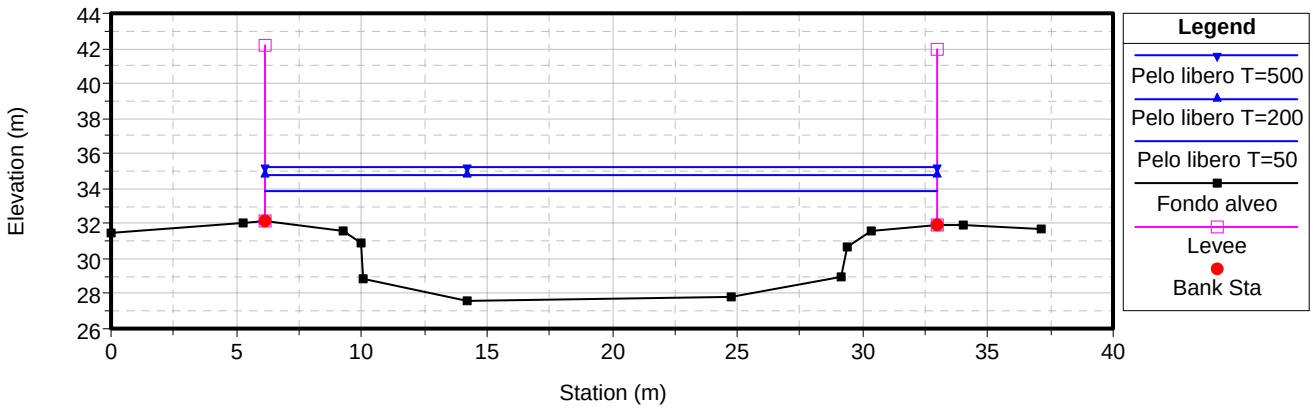
RS = 346.2



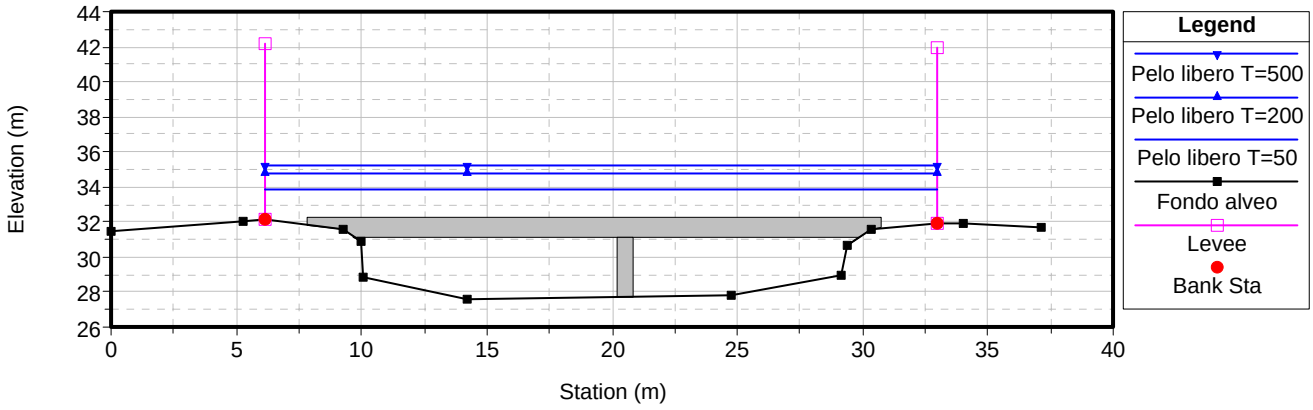
RS = 345



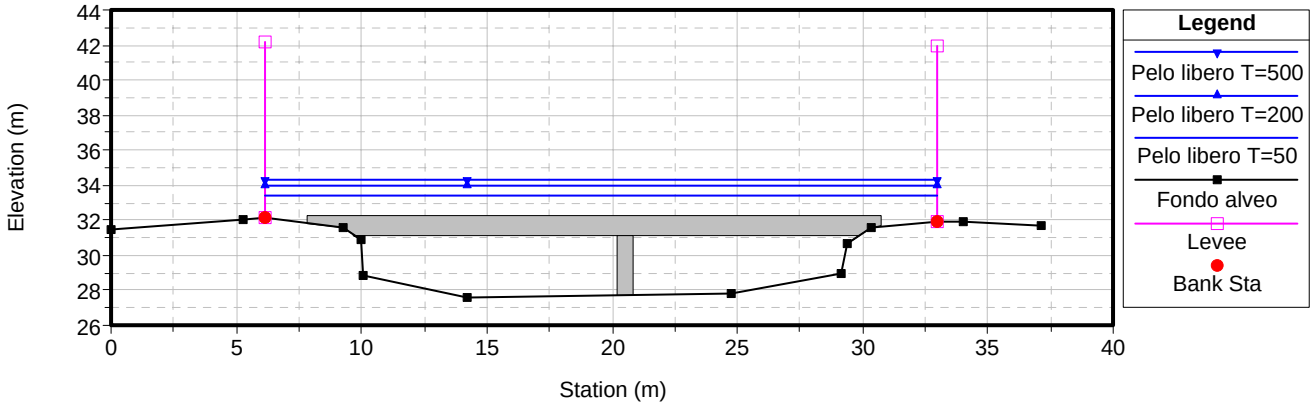
RS = 305.2



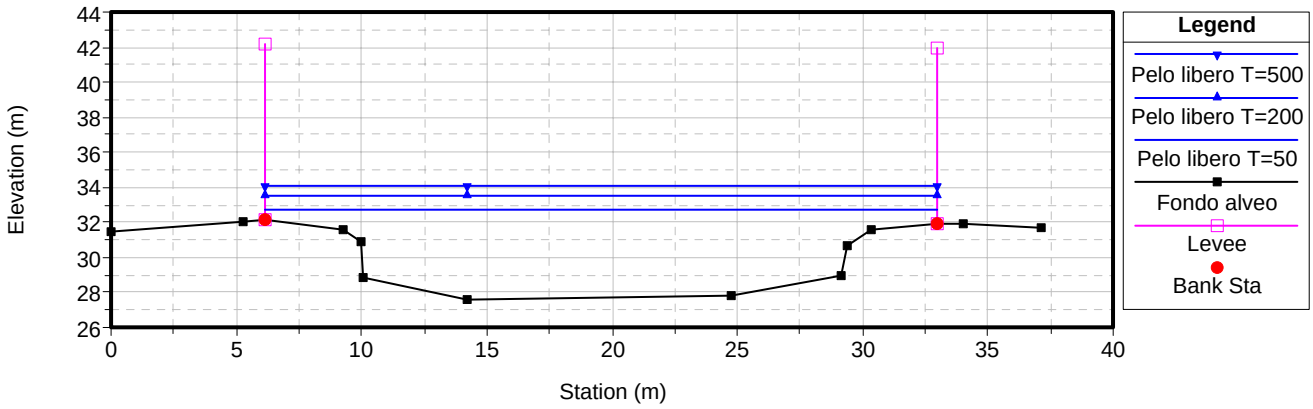
RS = 305.1 BR



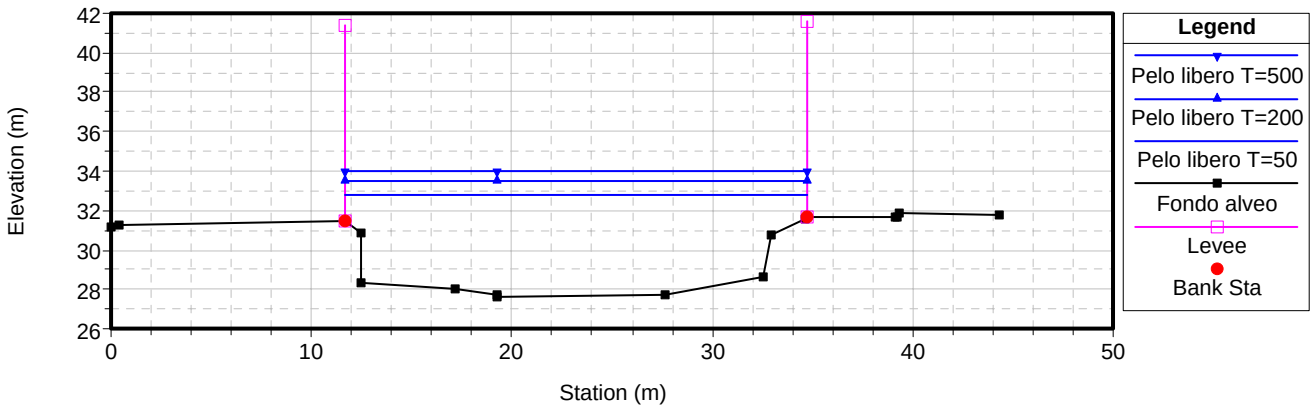
RS = 305.1 BR



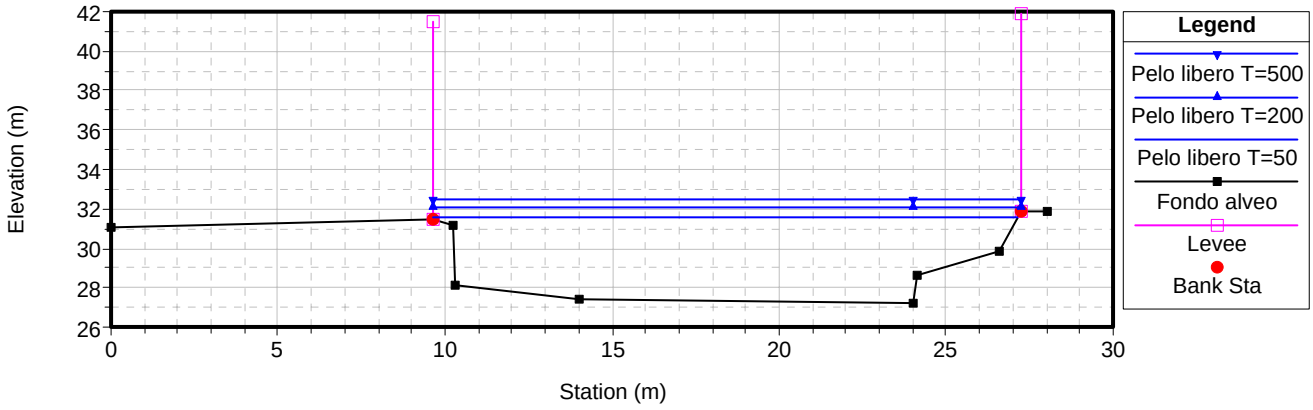
RS = 305



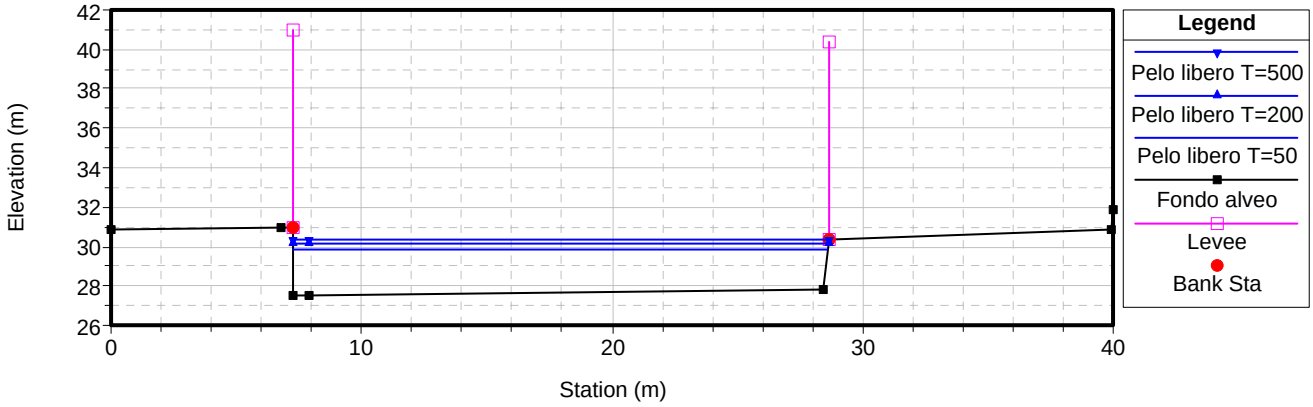
RS = 304



RS = 303



RS = 302



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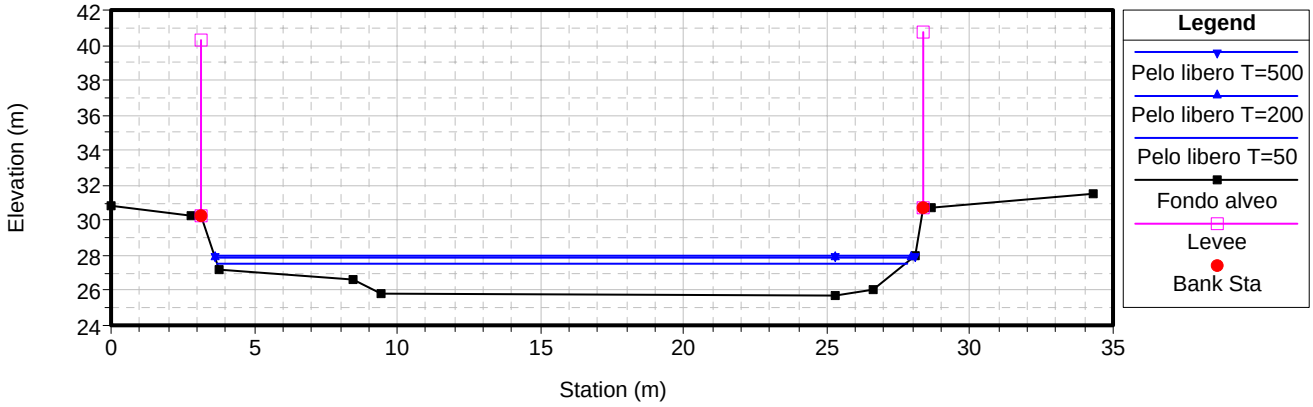
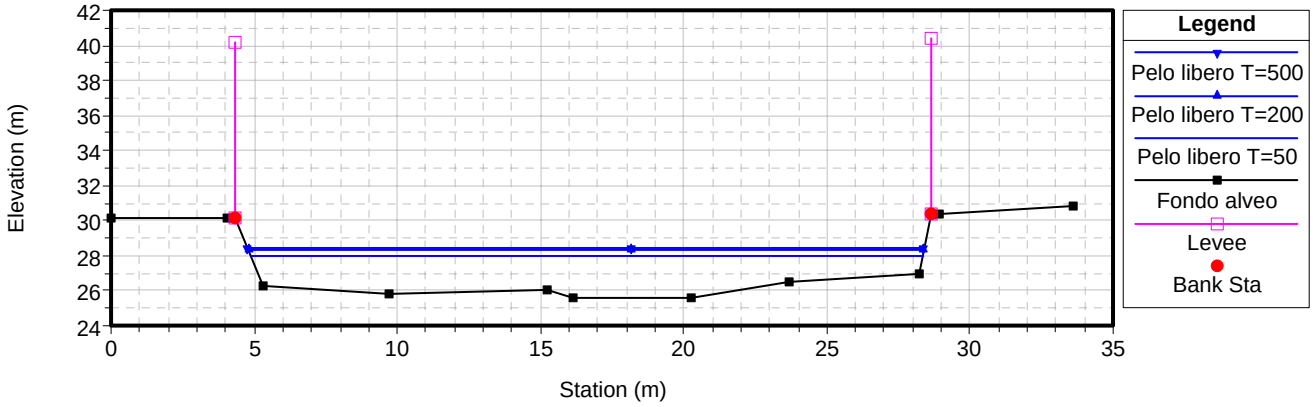
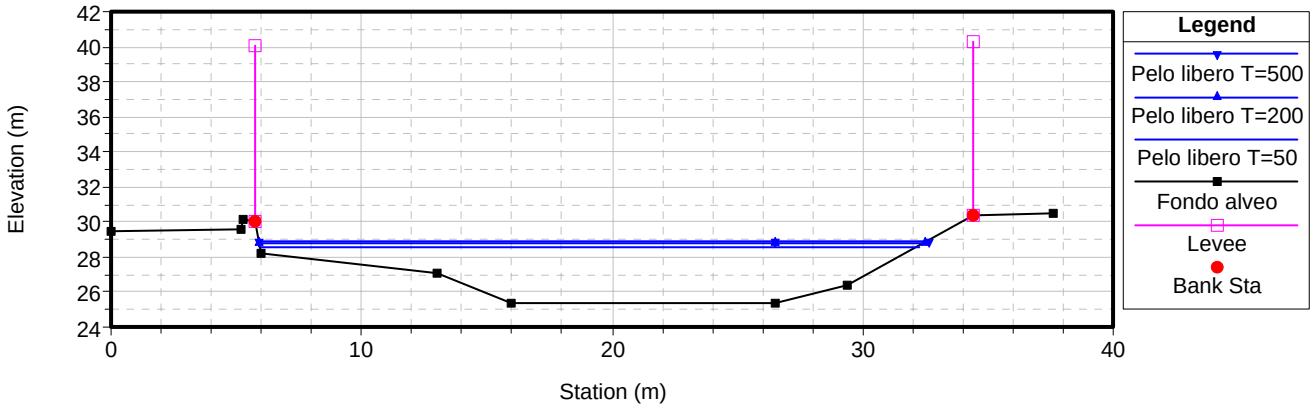


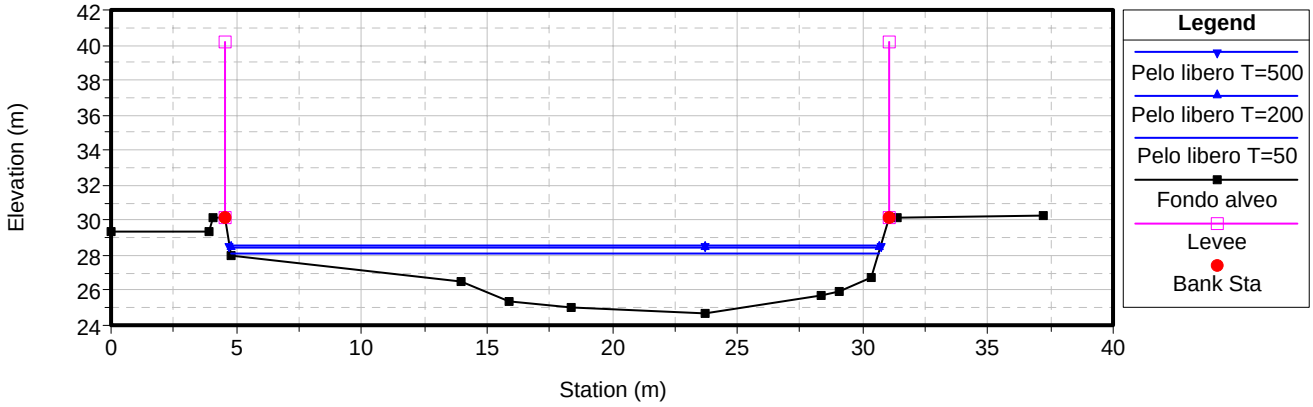
RS = 300



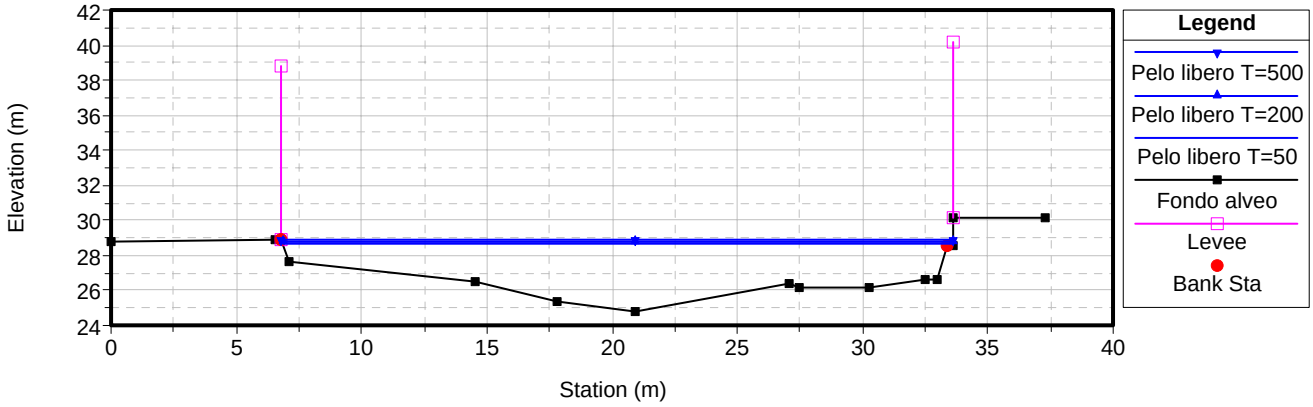
RS = 299



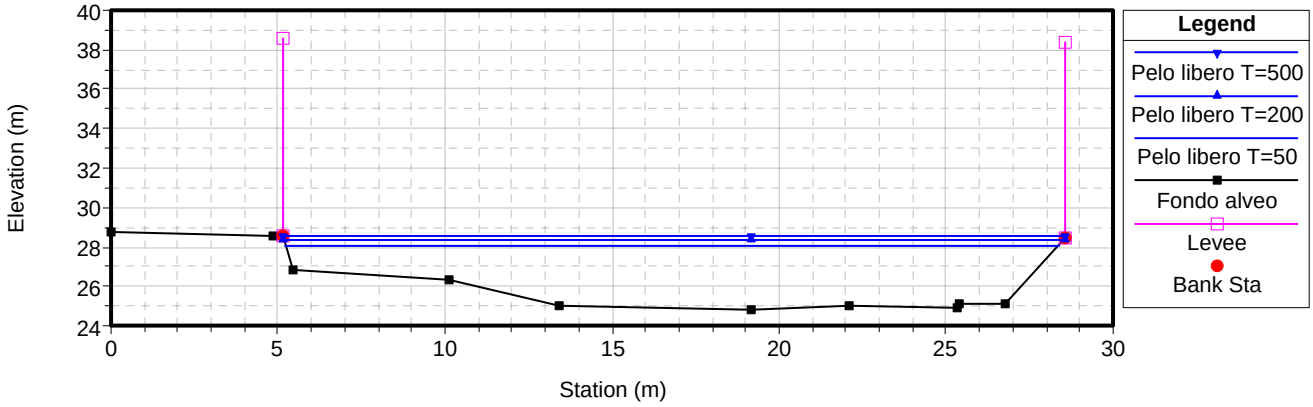
RS = 298



RS = 297



RS = 296



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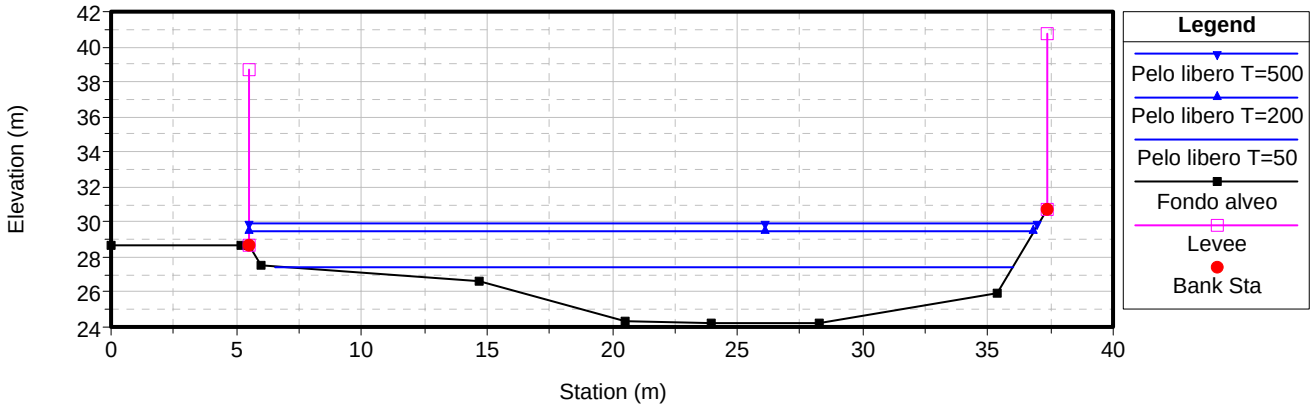
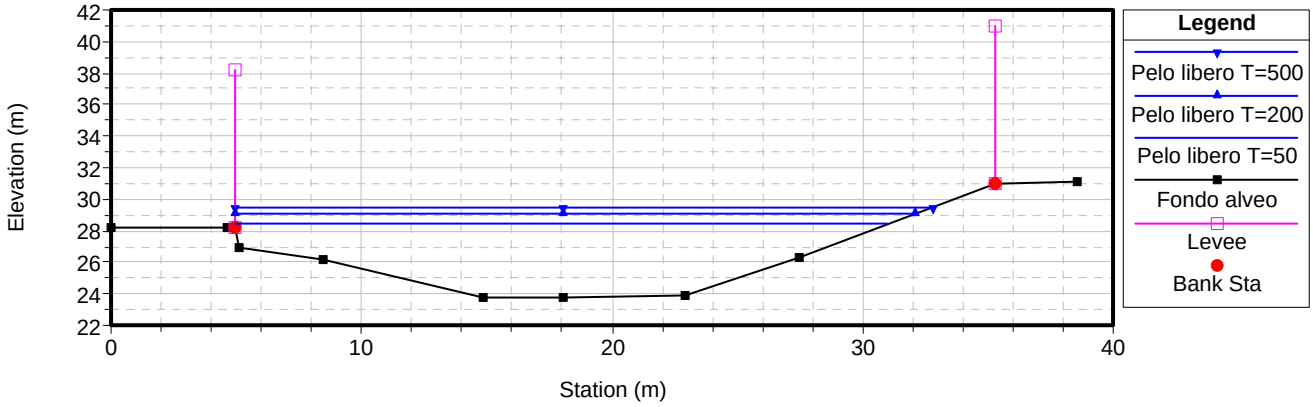
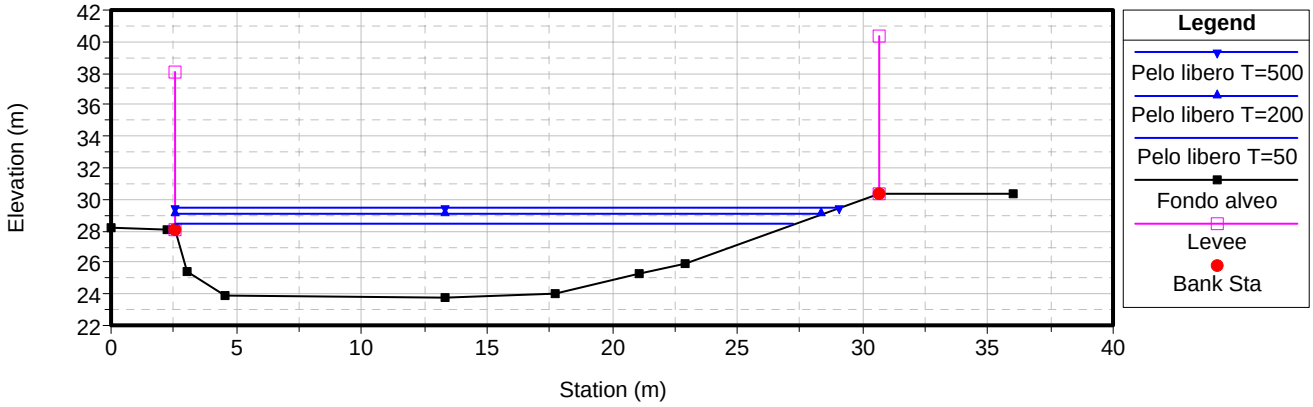


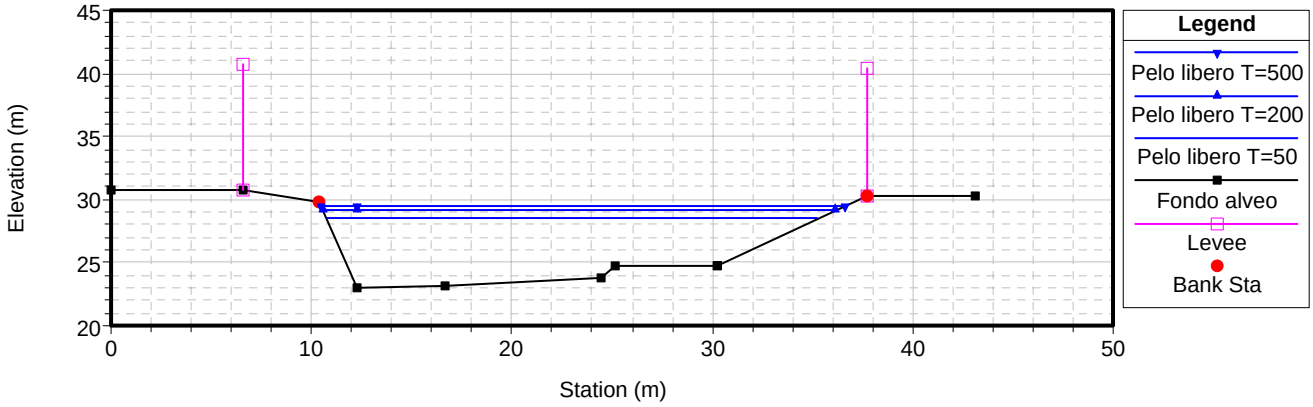
RS = 294



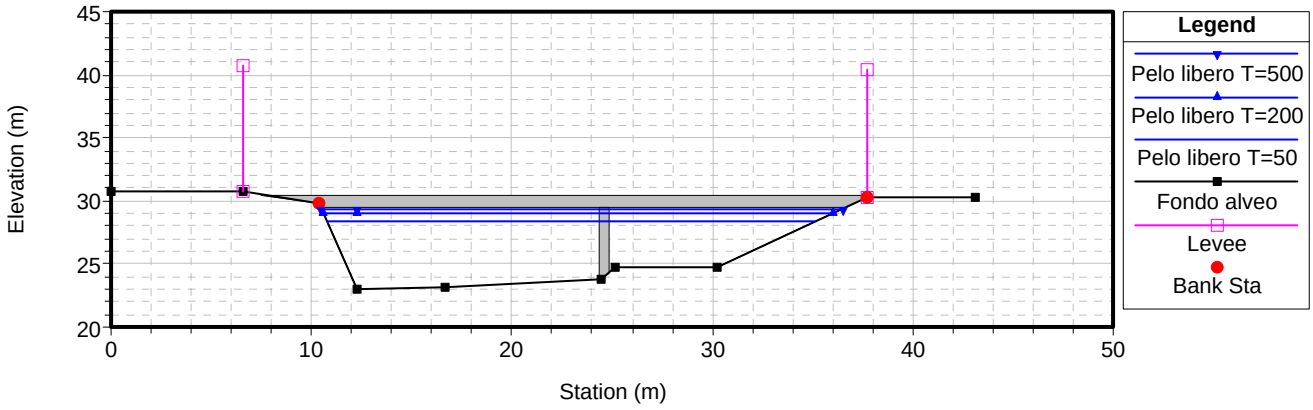
RS = 293



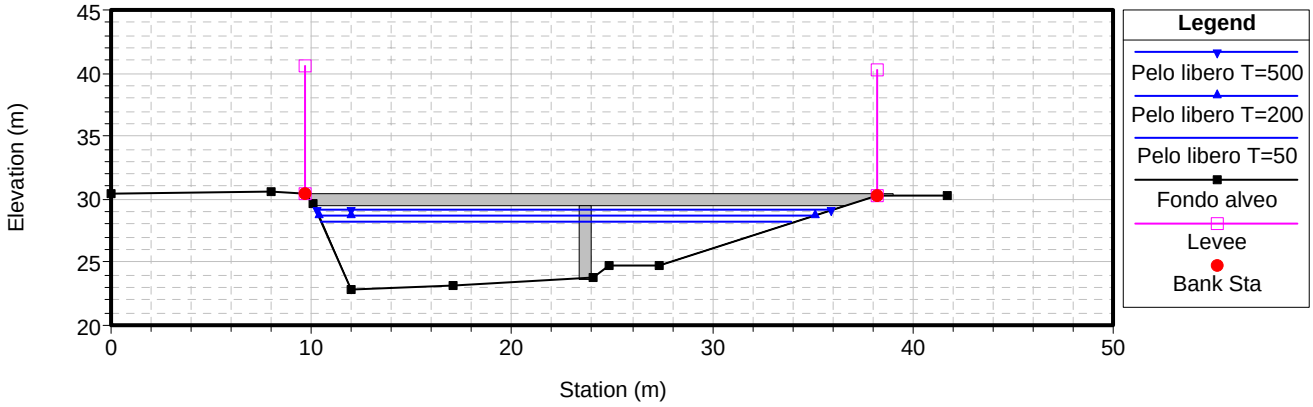
RS = 292



RS = 291.5 BR



RS = 291.5 BR



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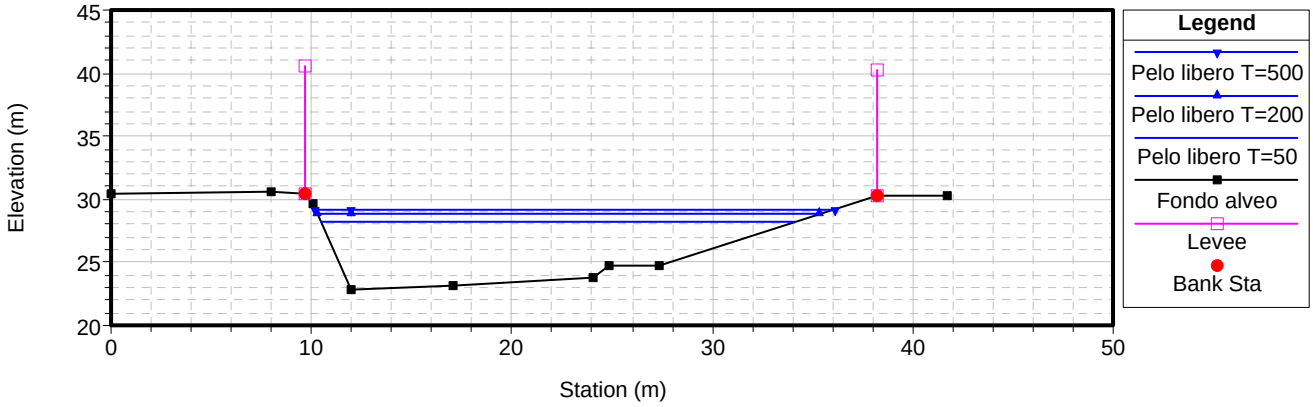
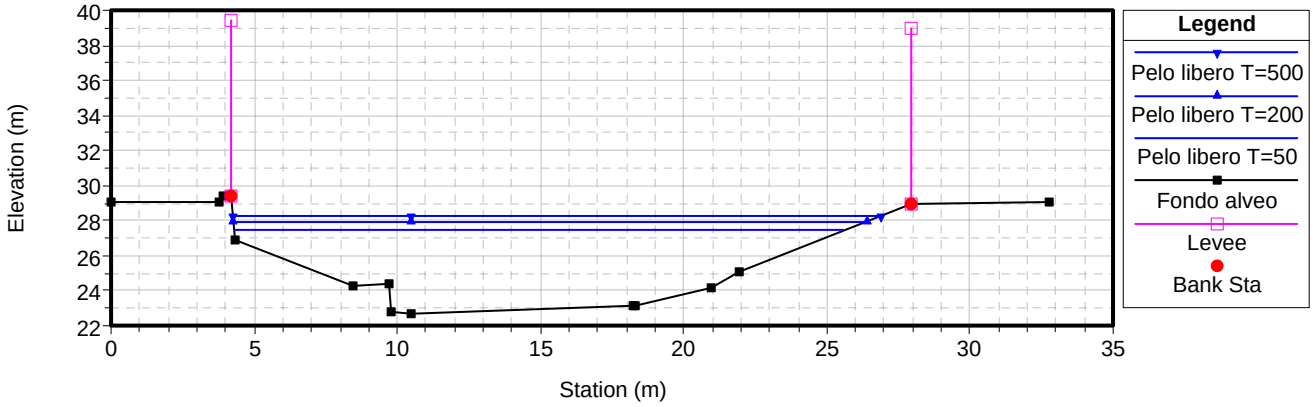
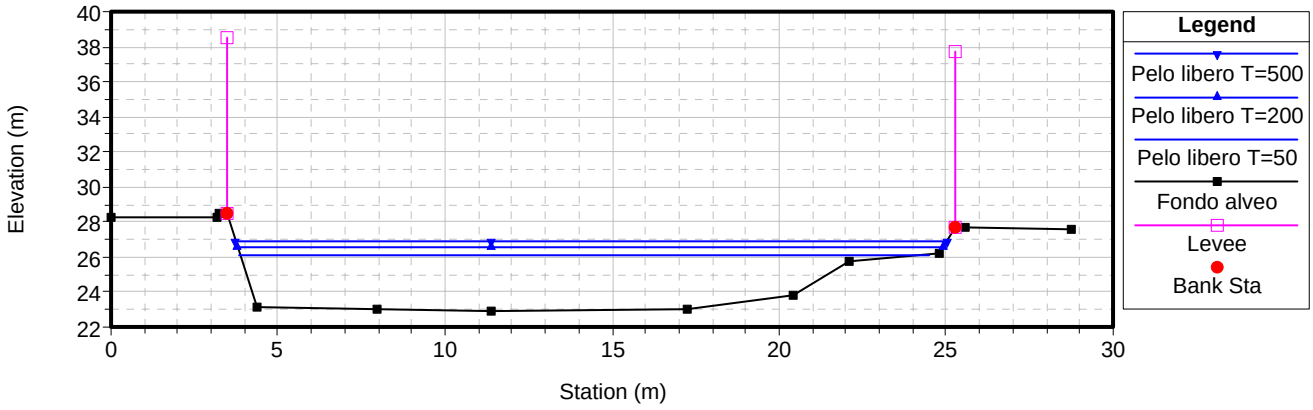


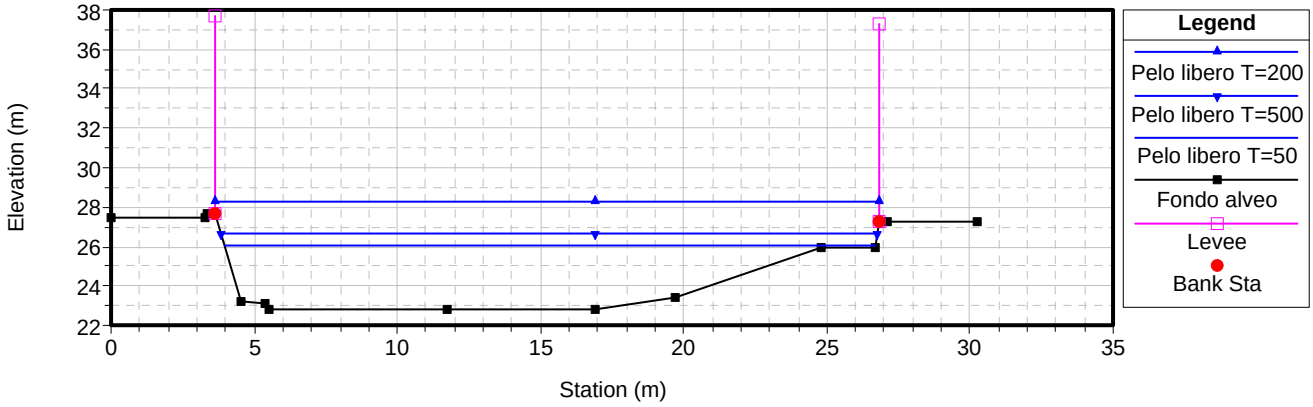
RS = 290



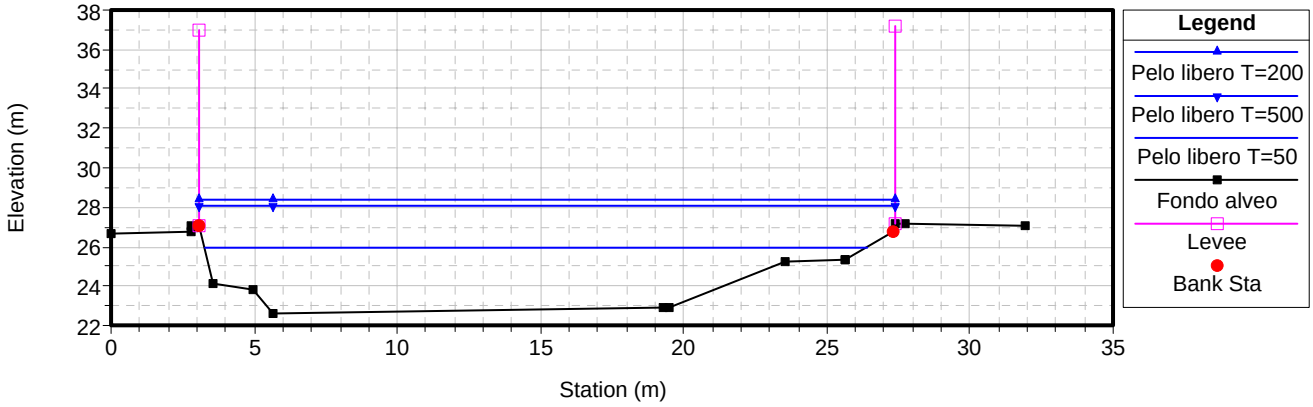
RS = 289



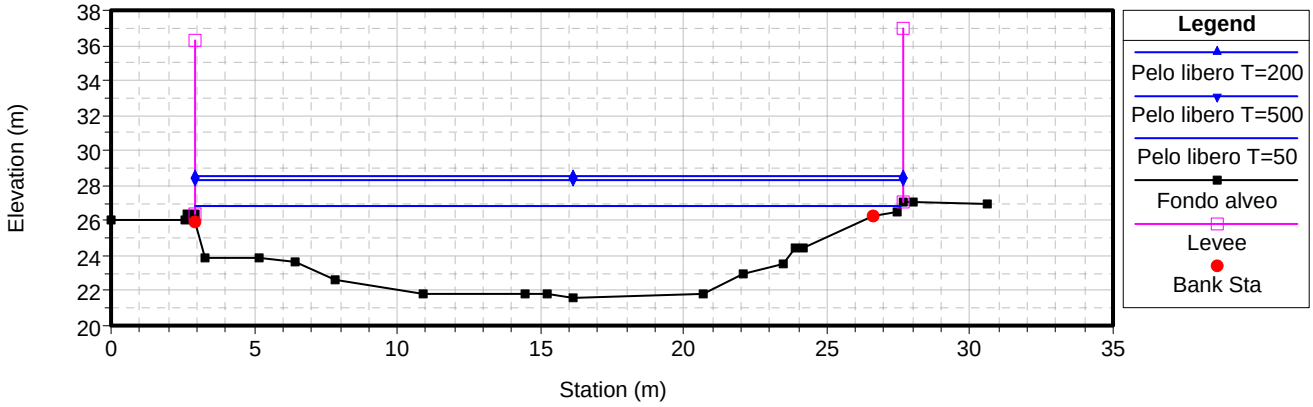
RS = 288



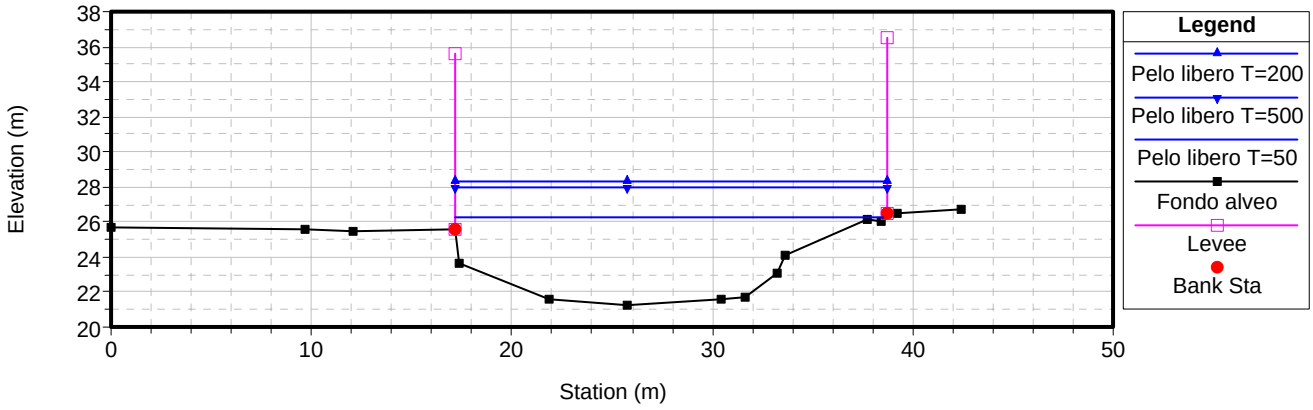
RS = 287



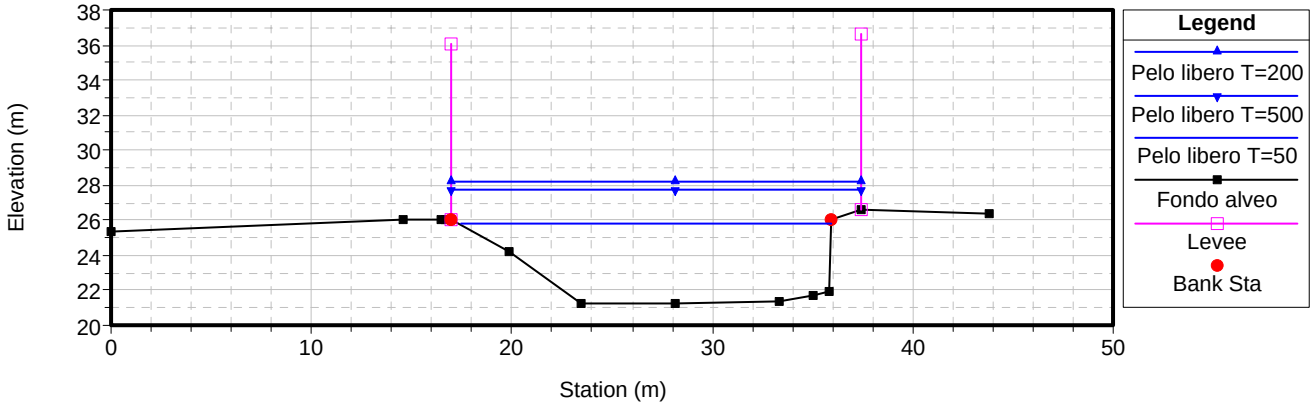
RS = 286



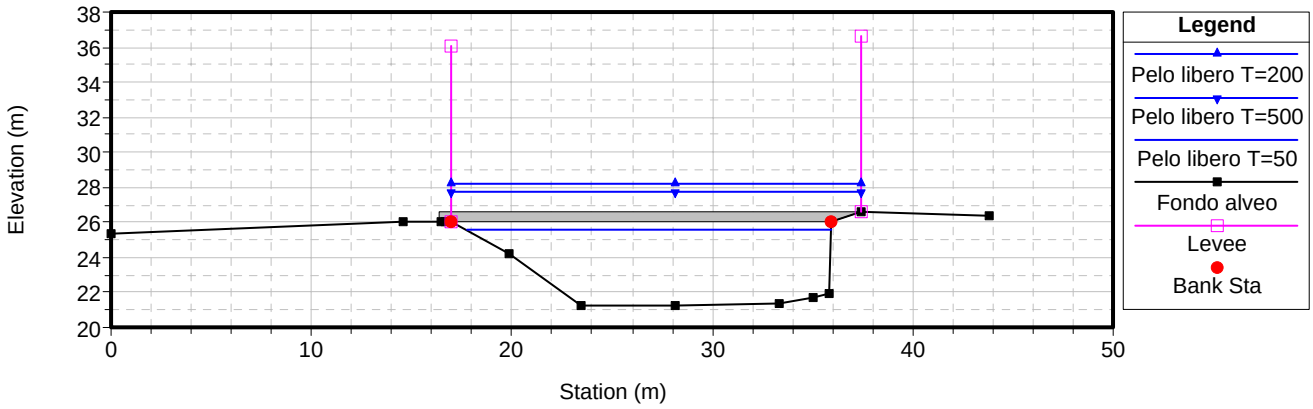
RS = 285



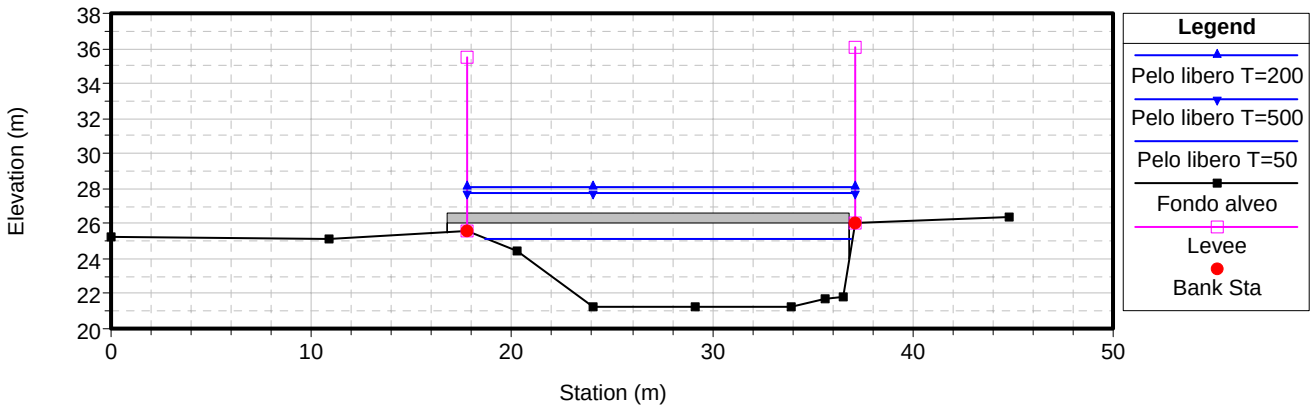
RS = 284



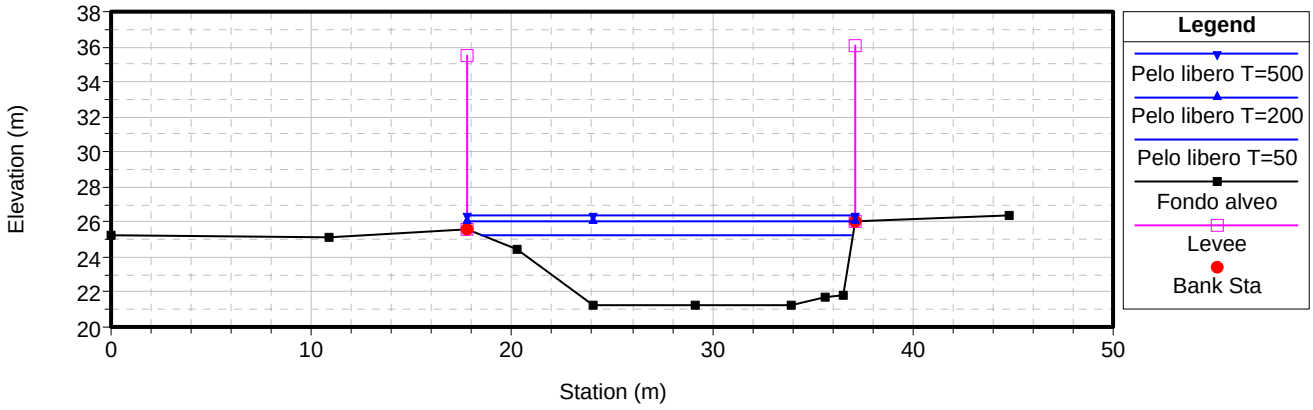
RS = 283.5 BR



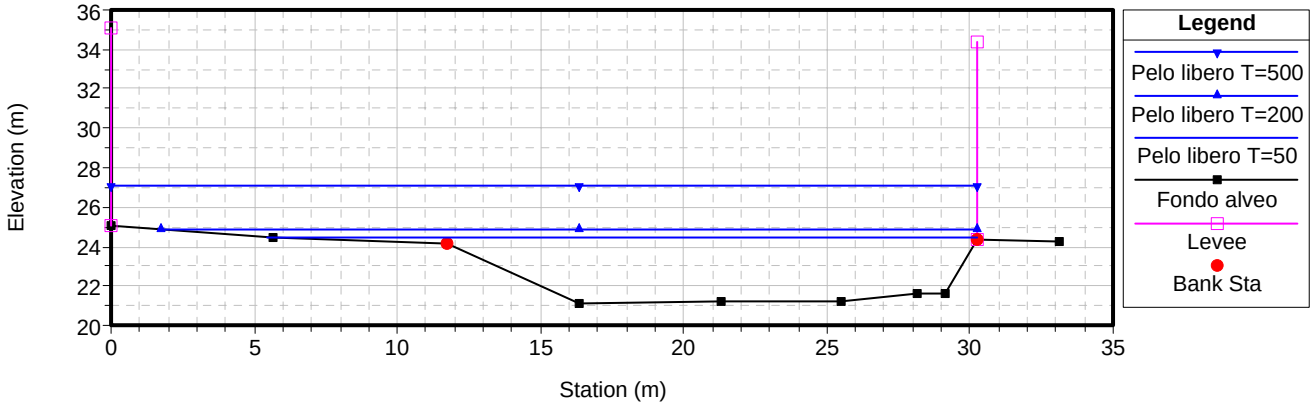
RS = 283.5 BR



RS = 283



RS = 282



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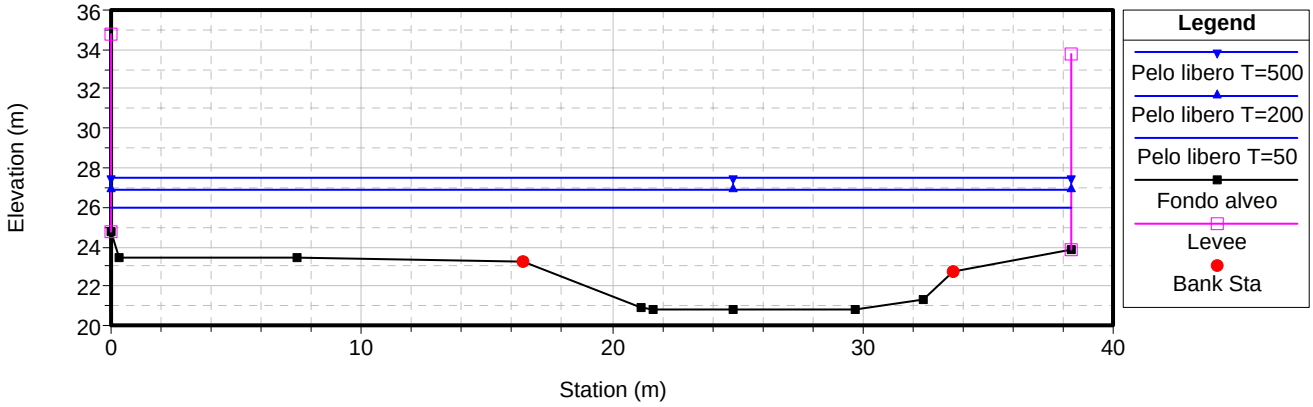

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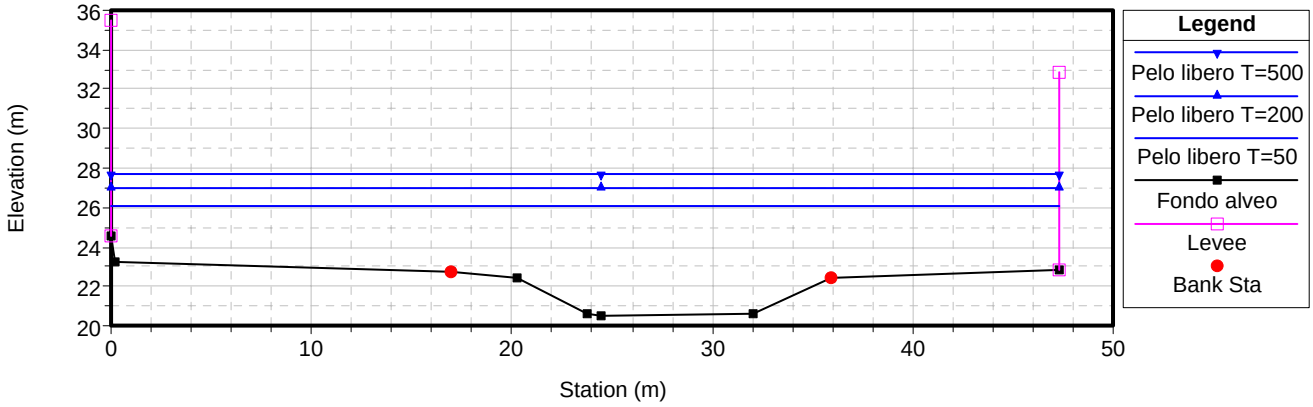

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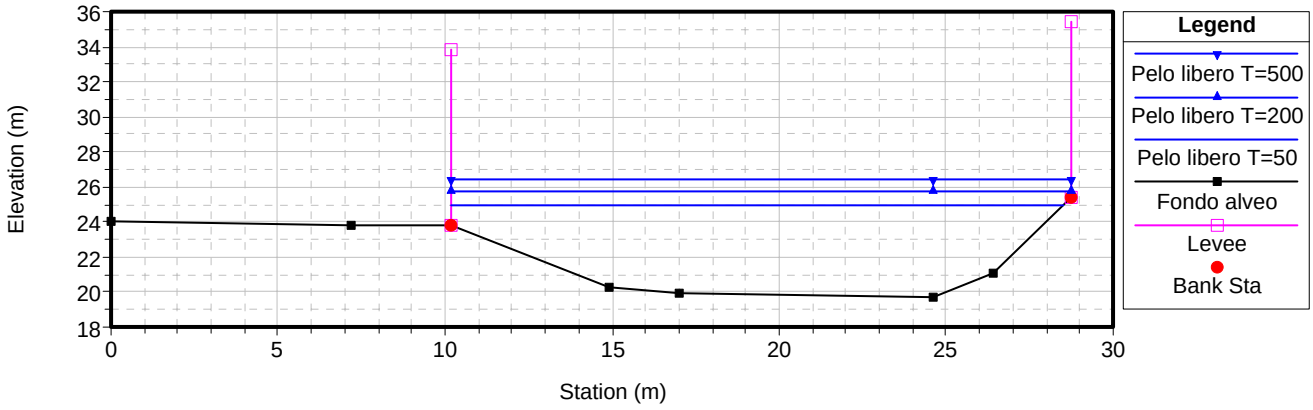
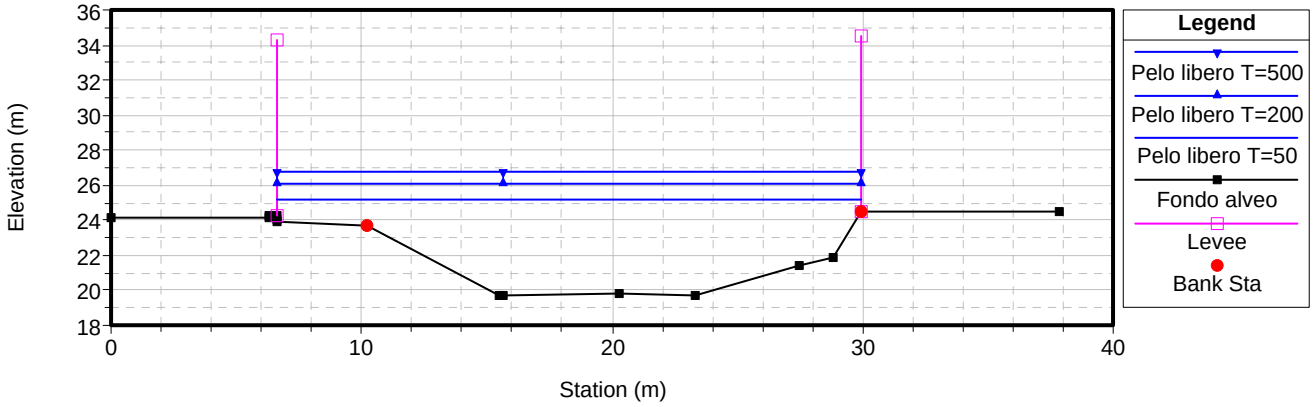


RS = 278



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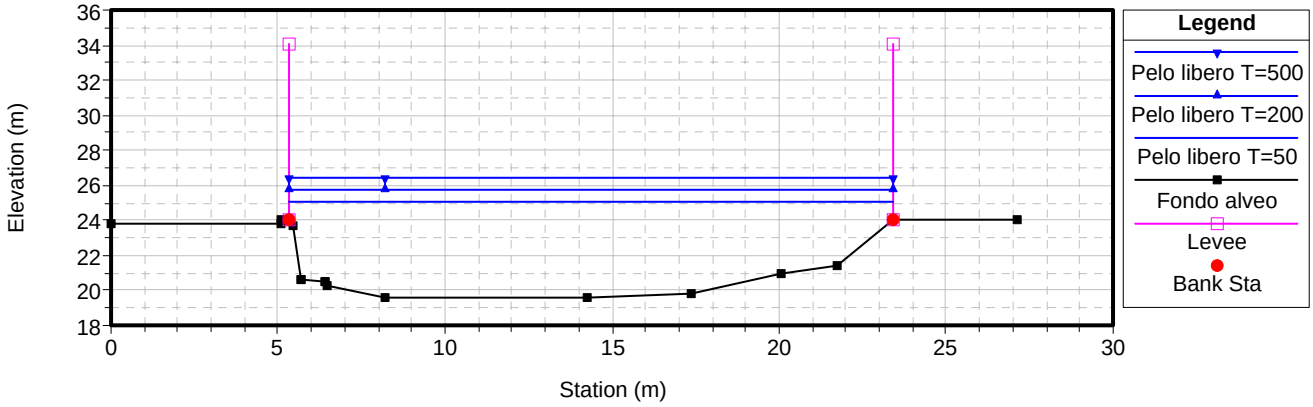

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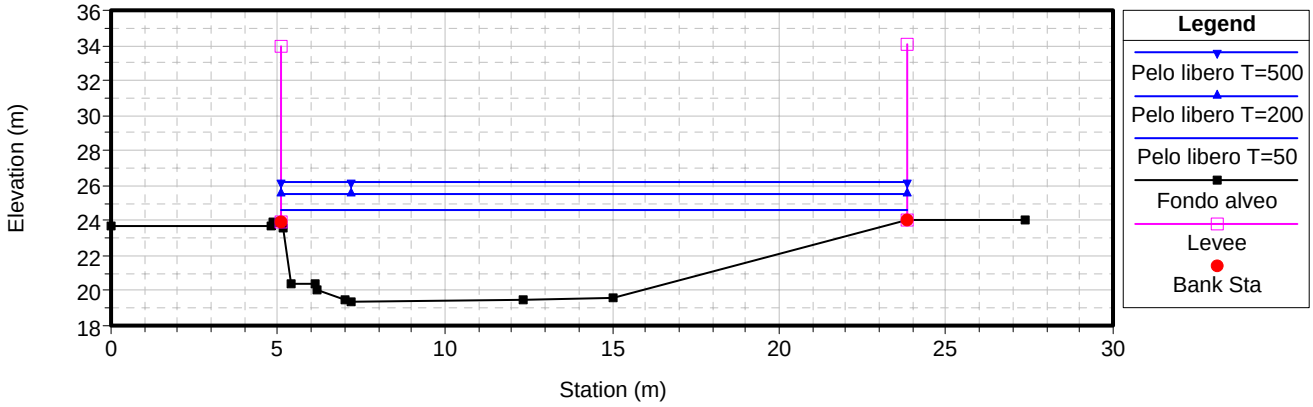

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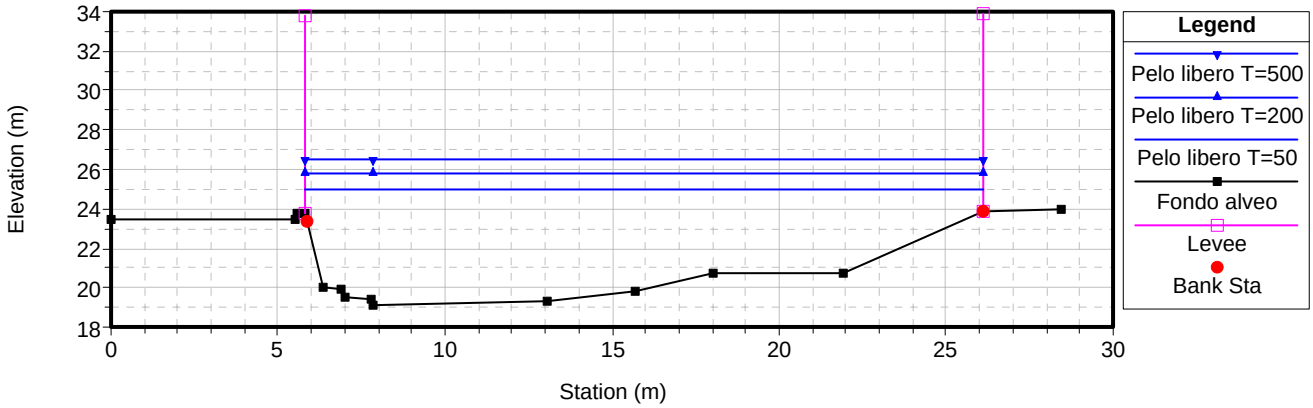

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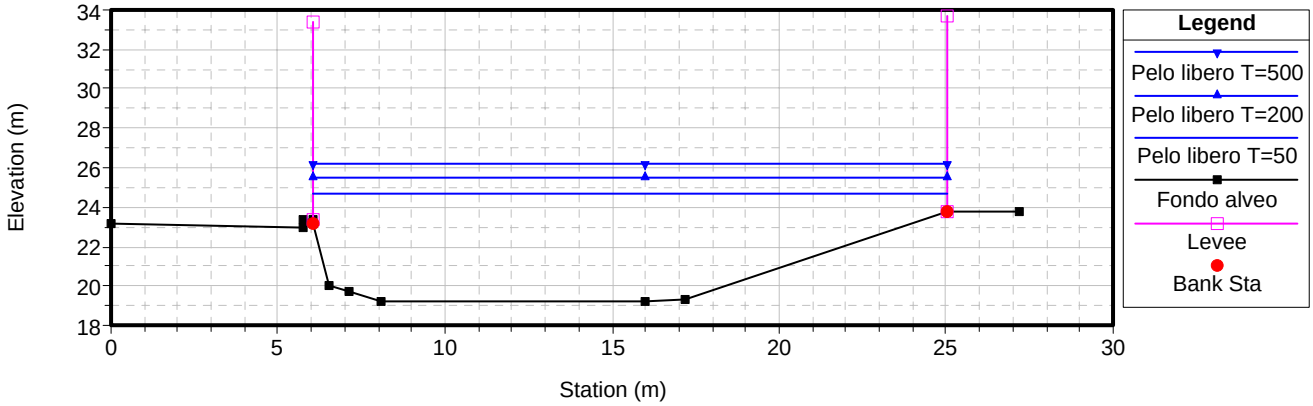

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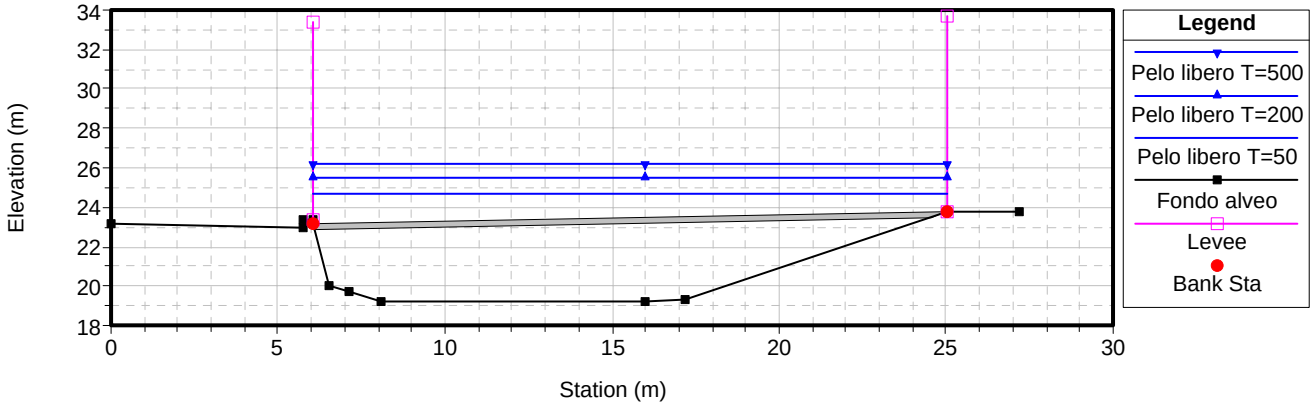

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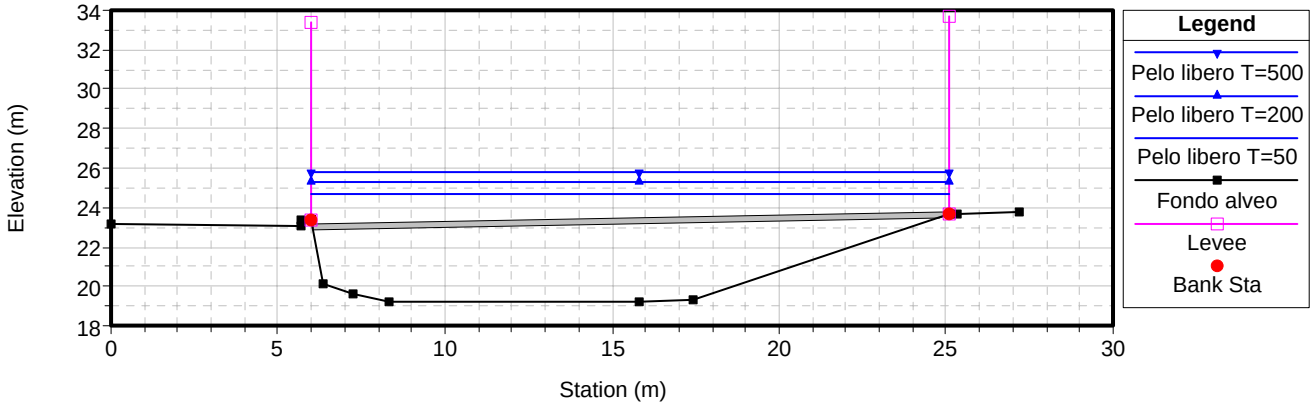

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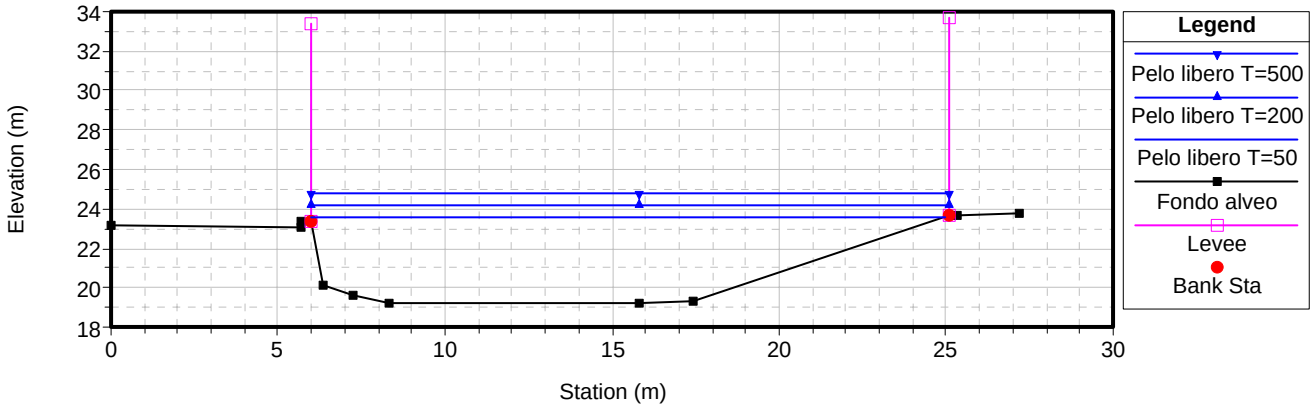

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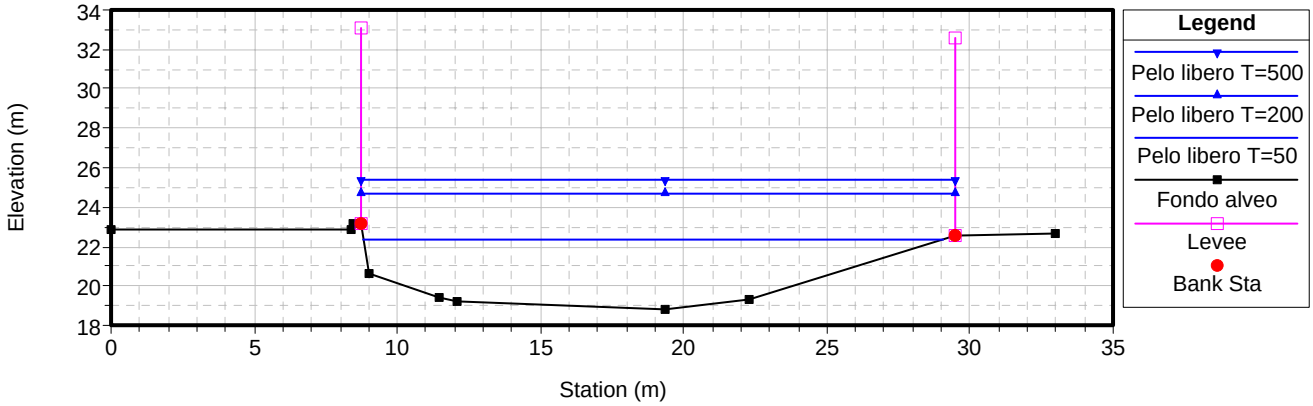

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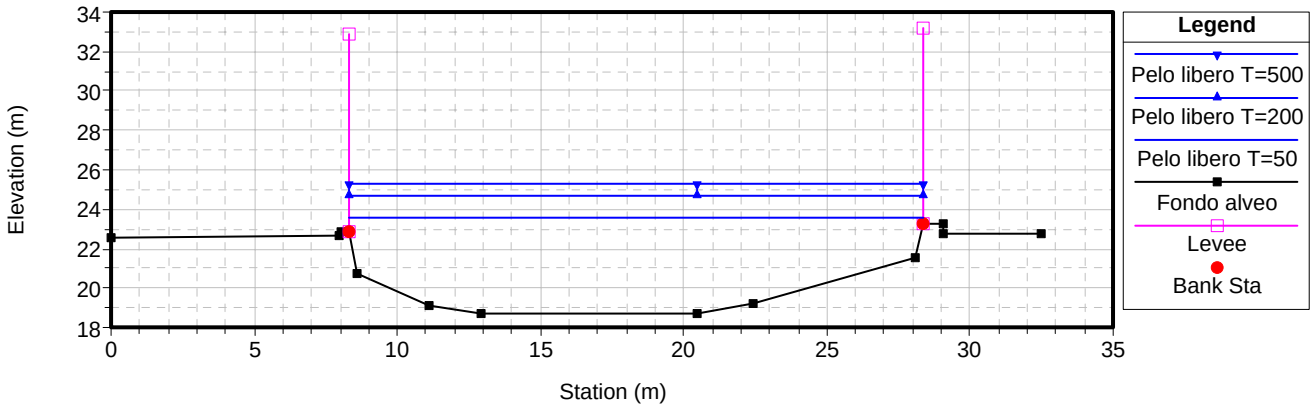

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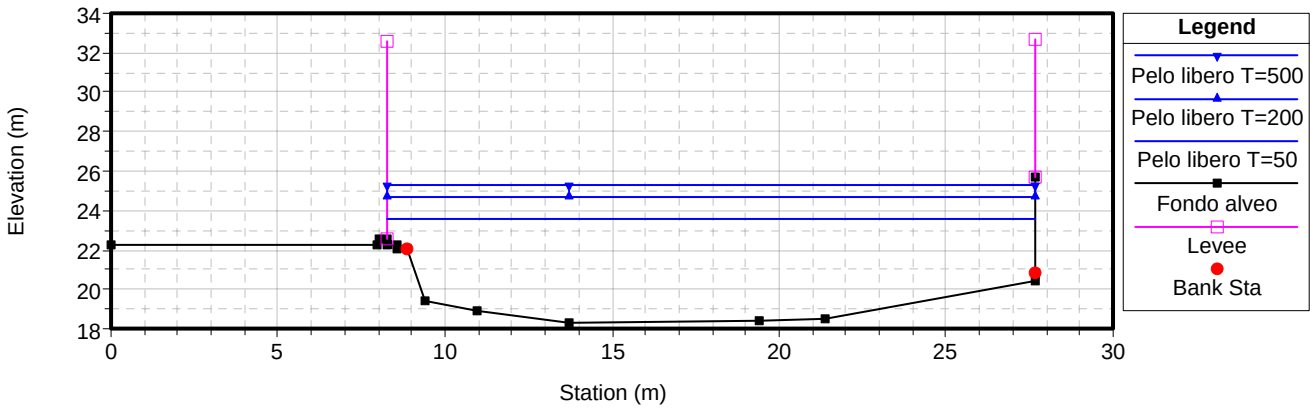

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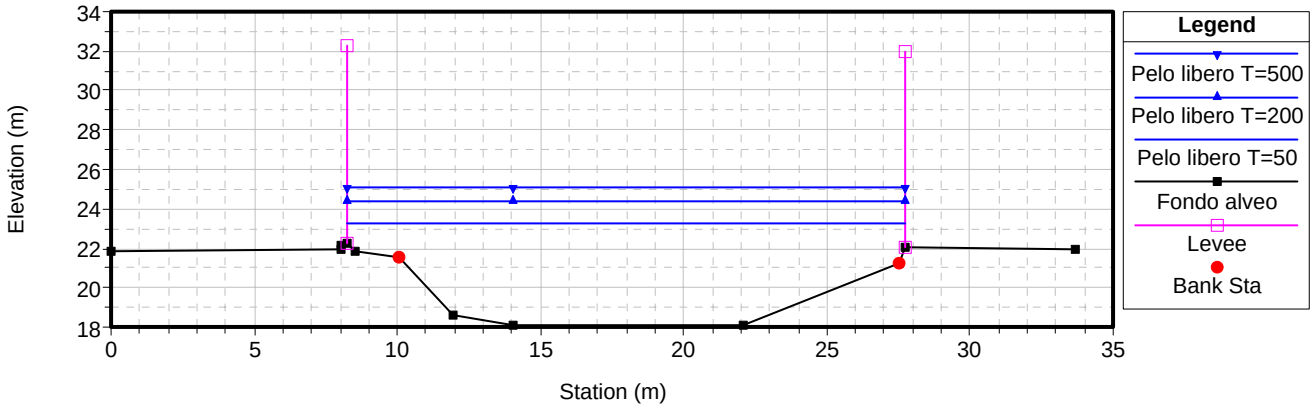

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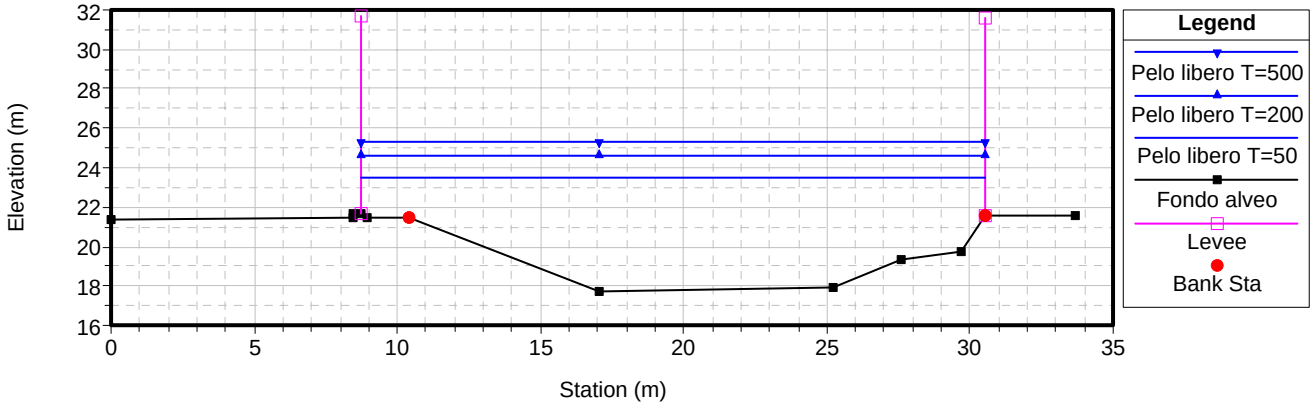

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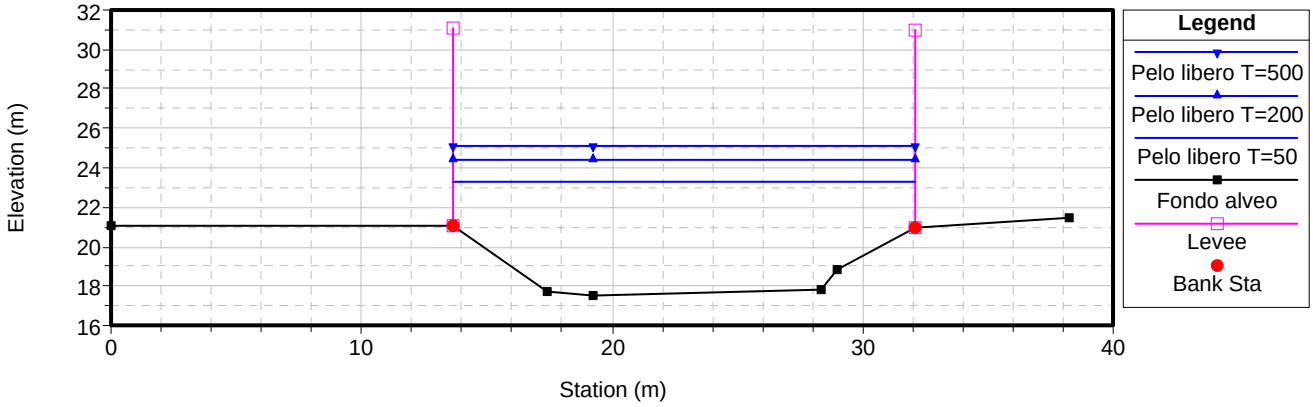

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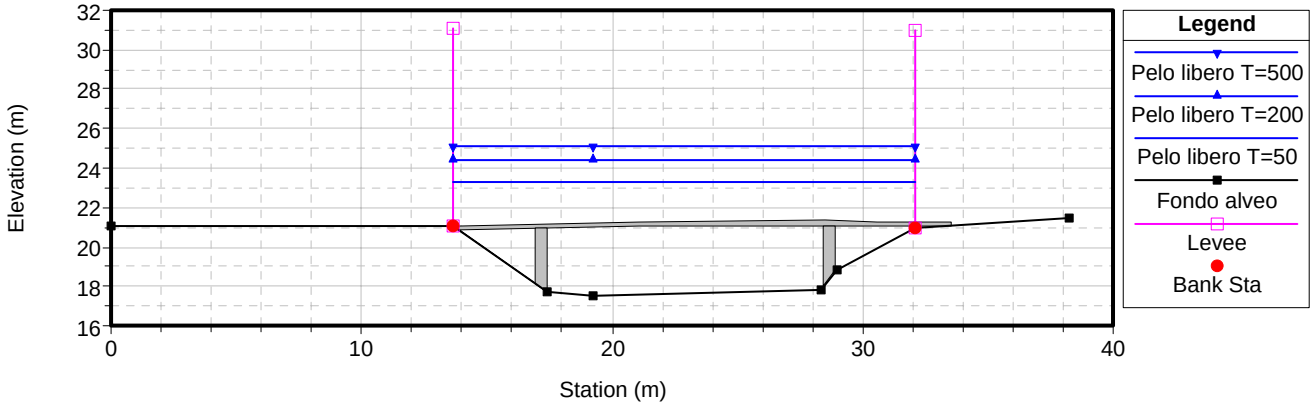

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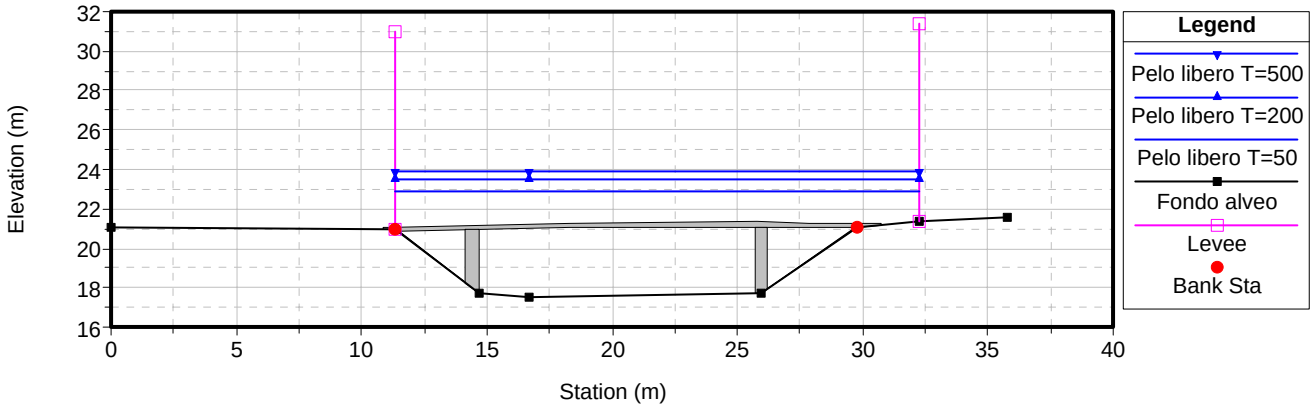

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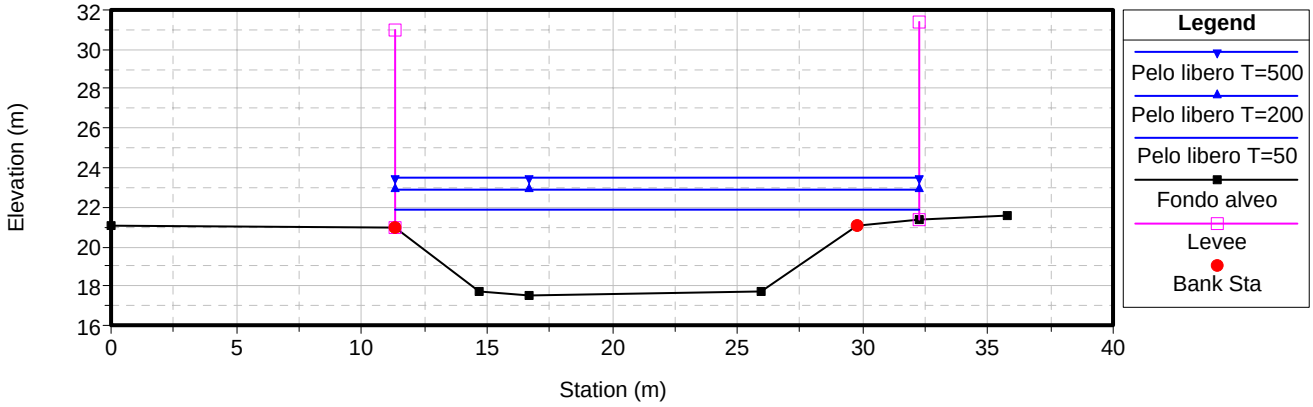

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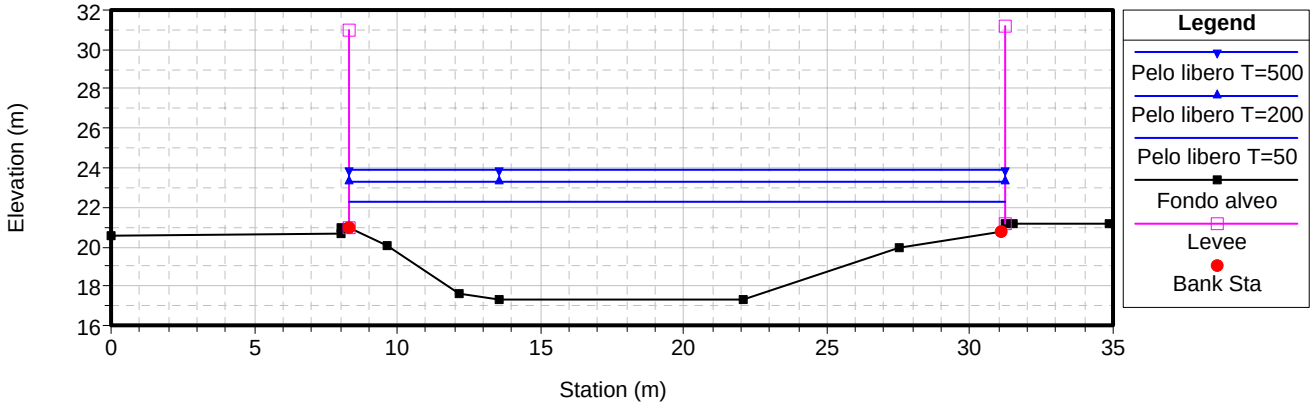

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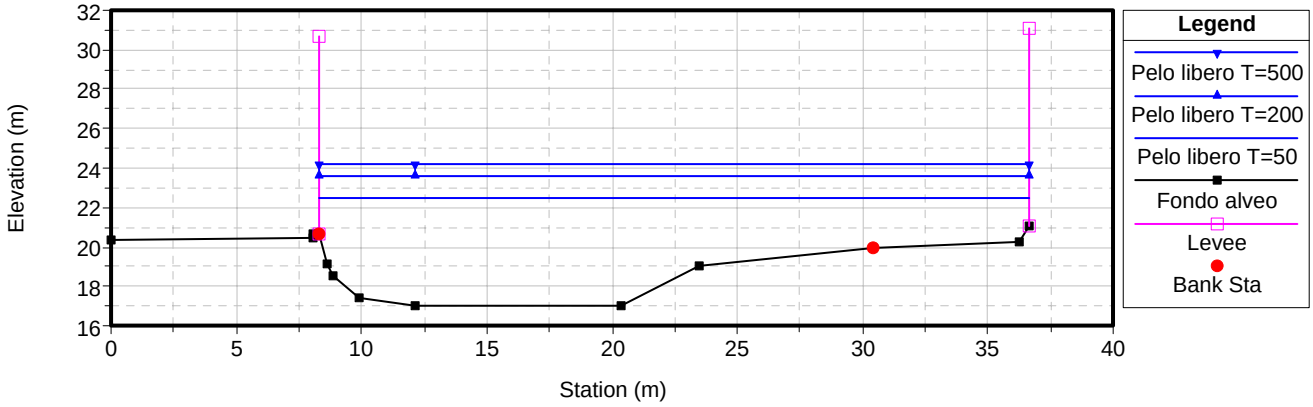

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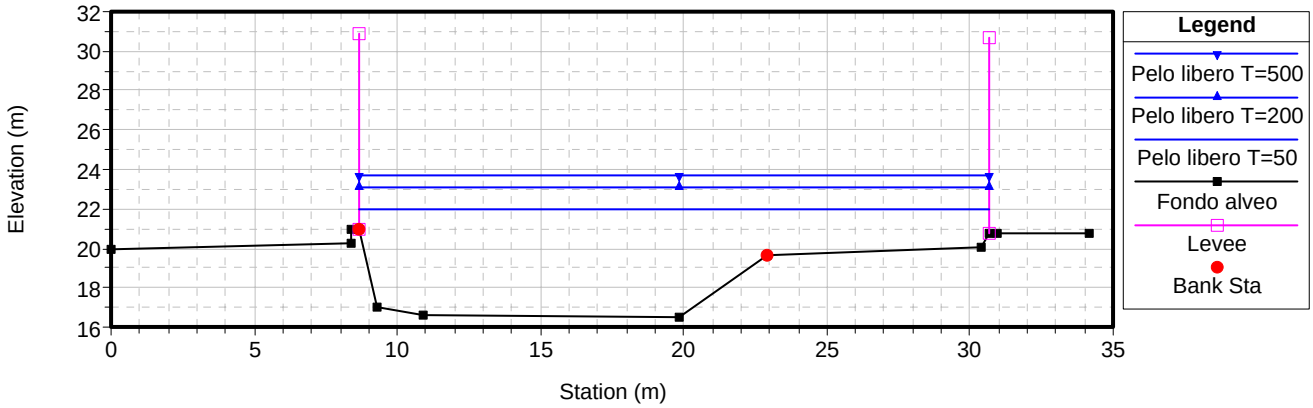

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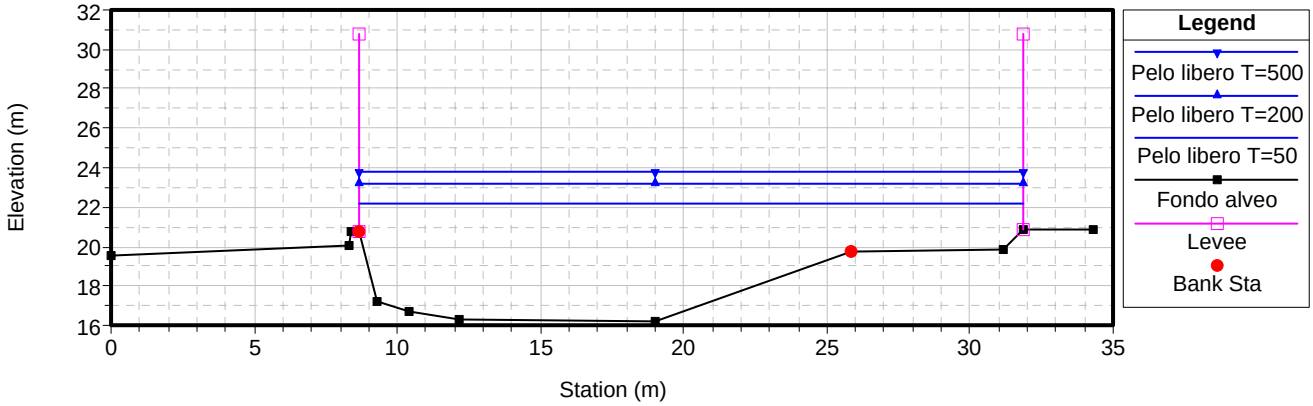

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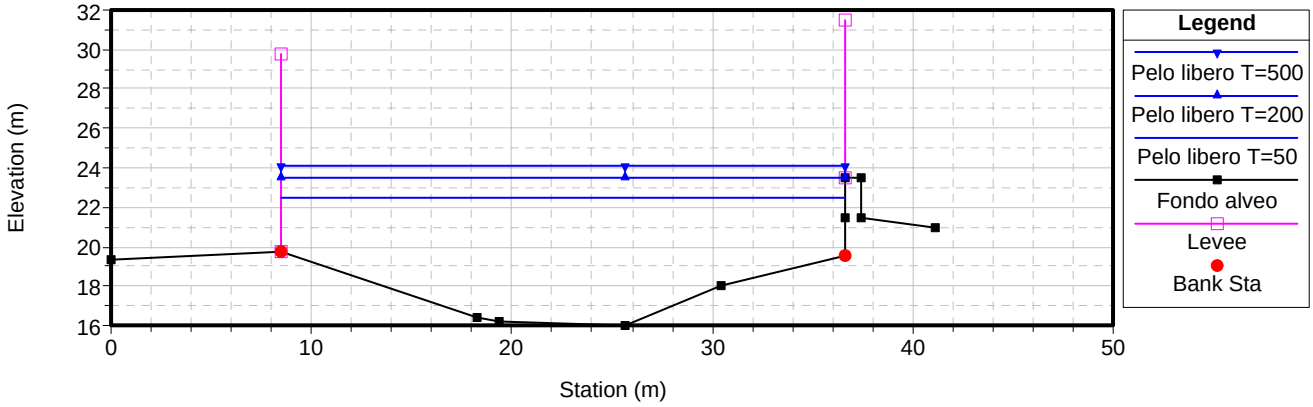

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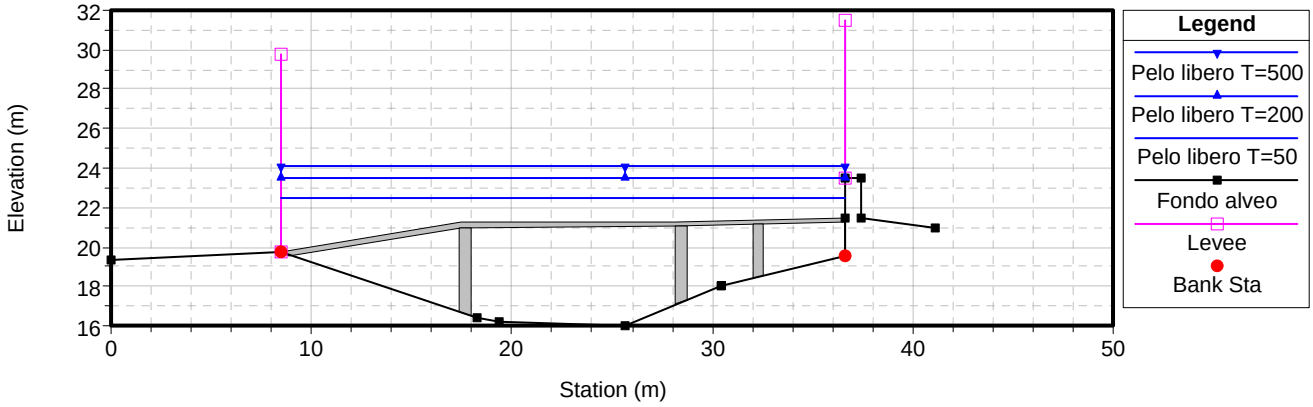

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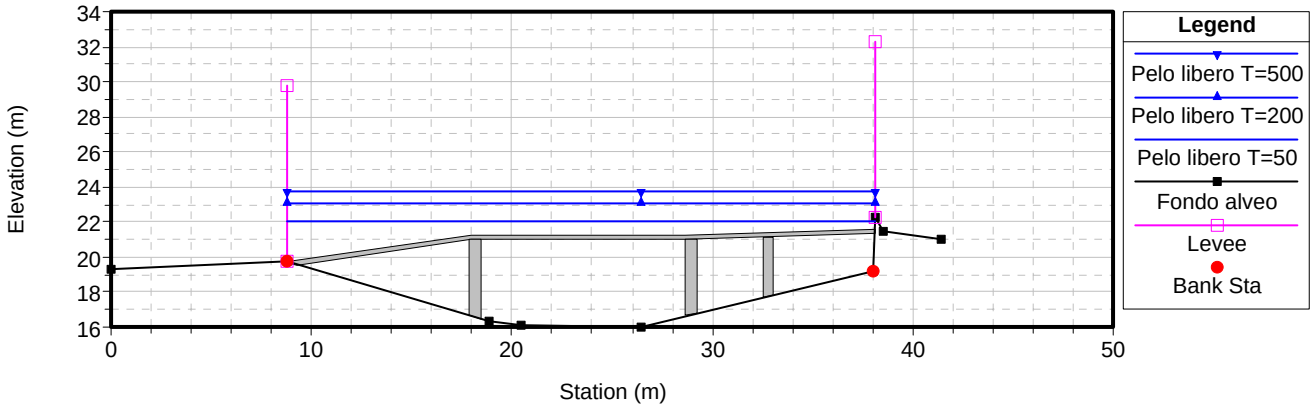

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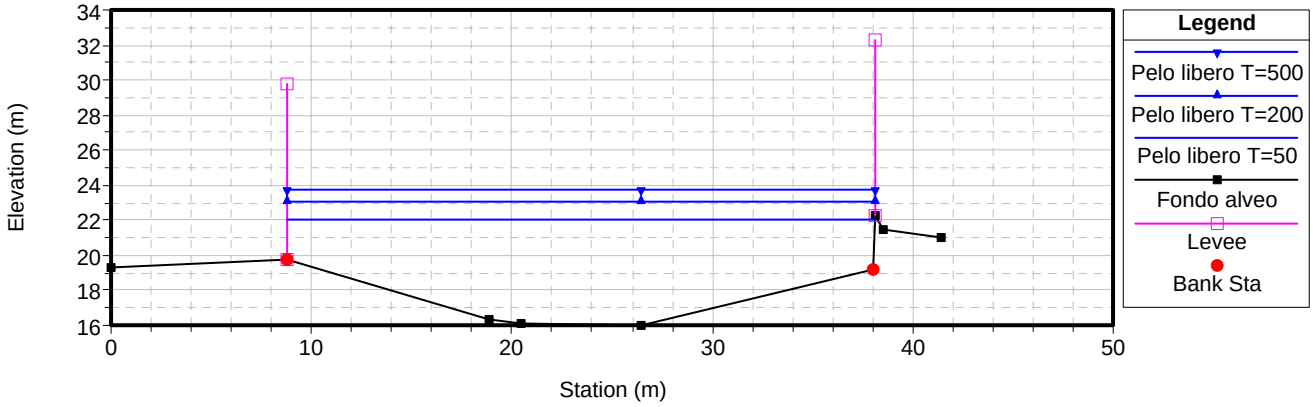

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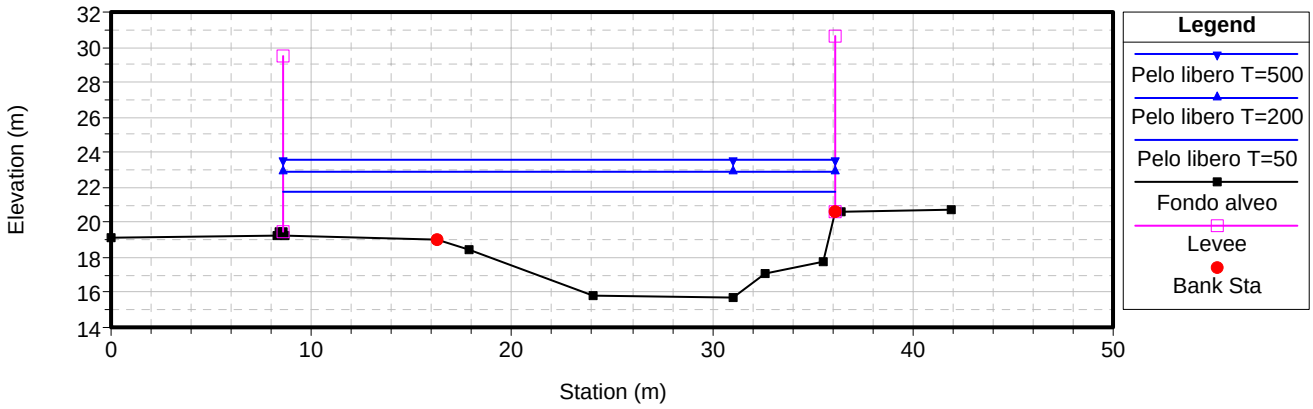

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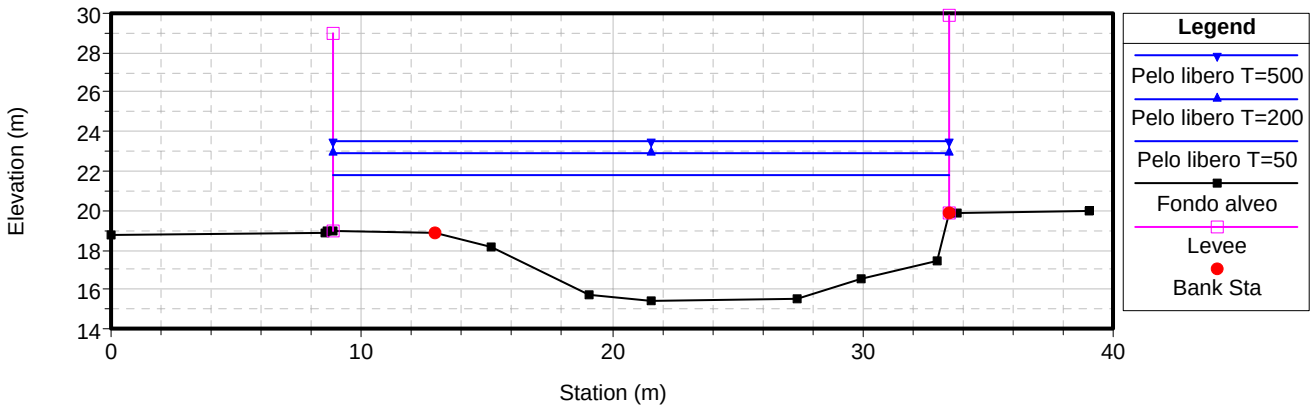

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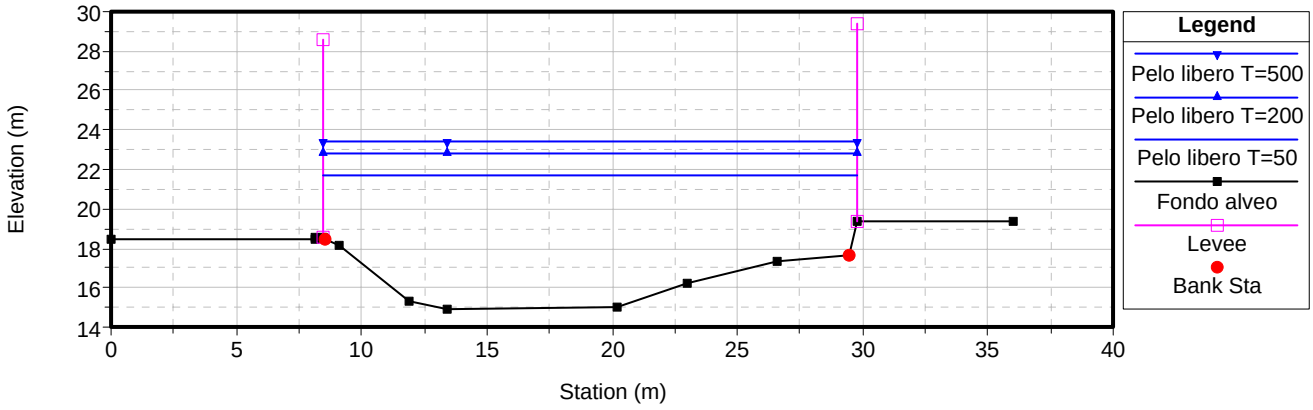

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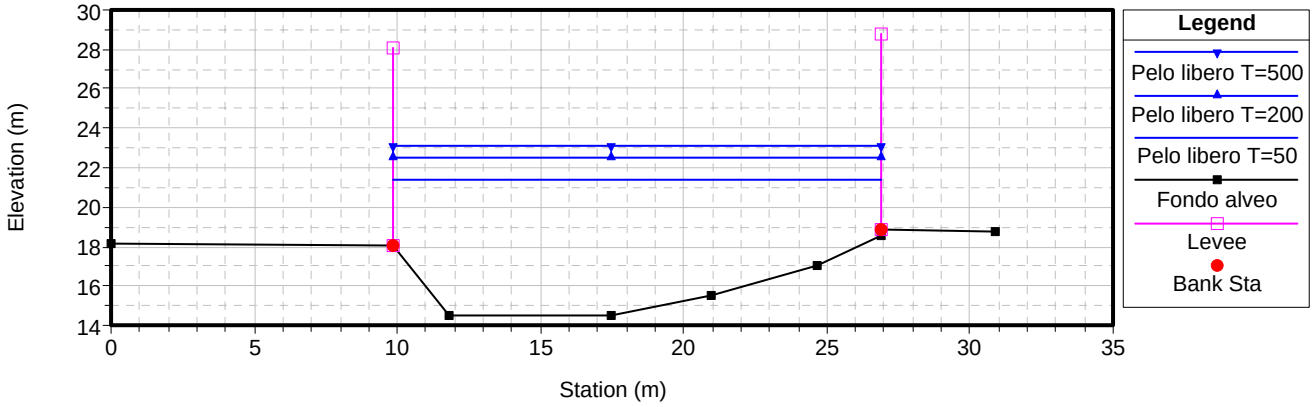

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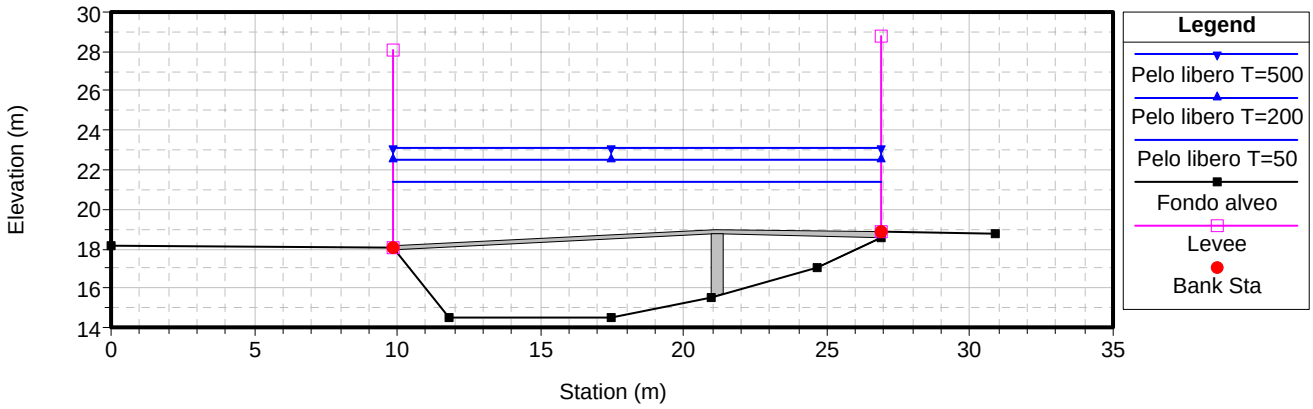

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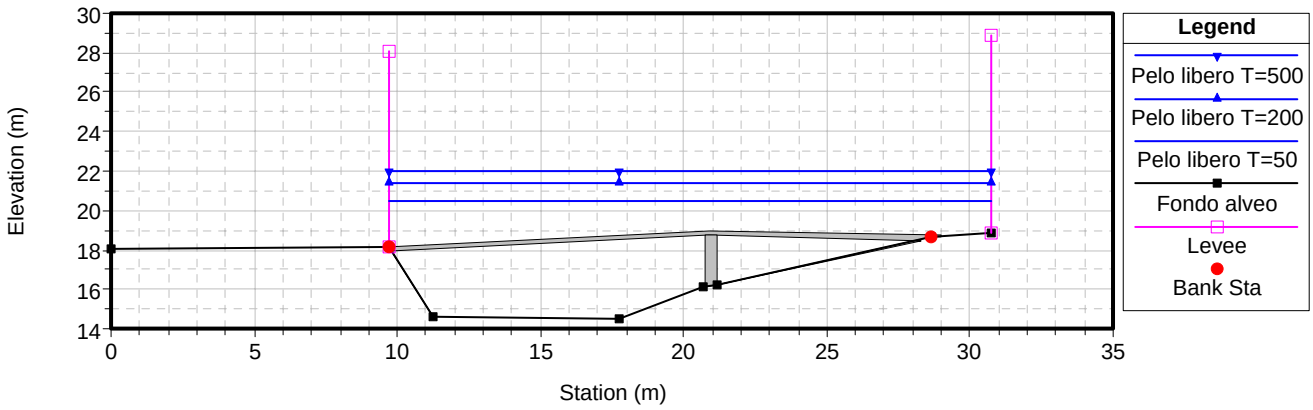

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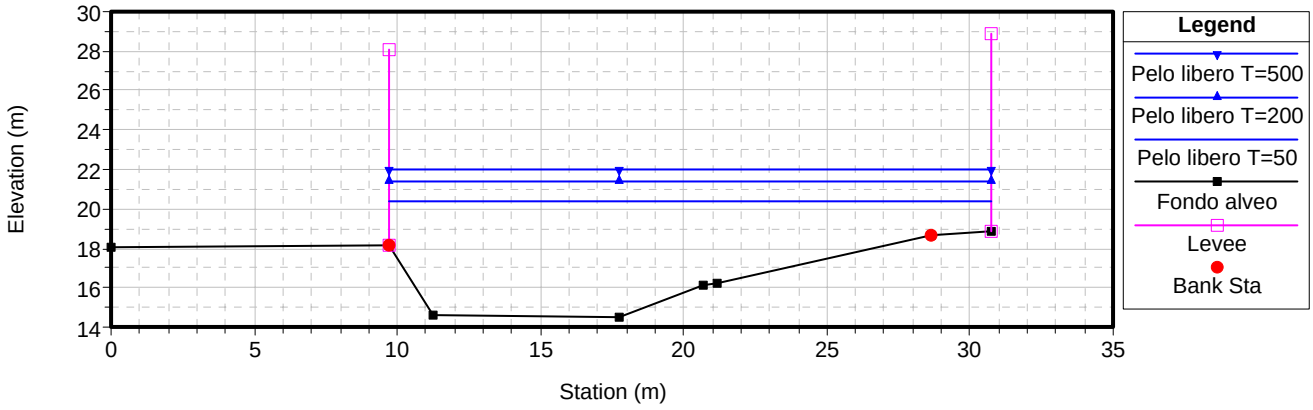

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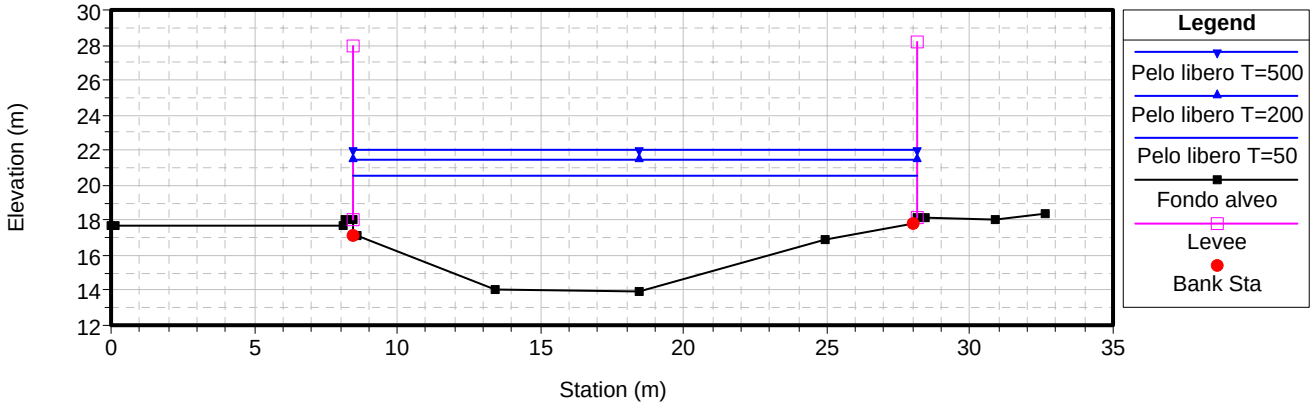

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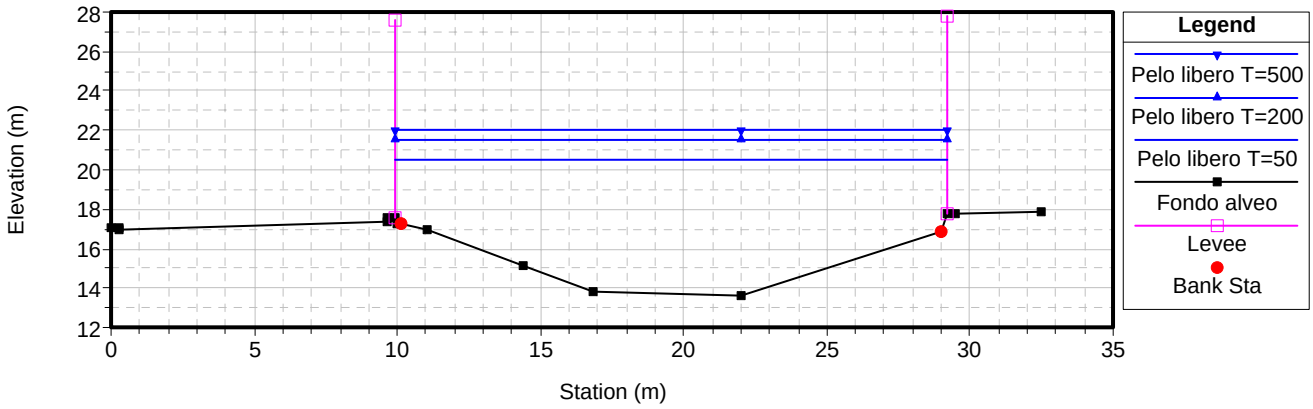

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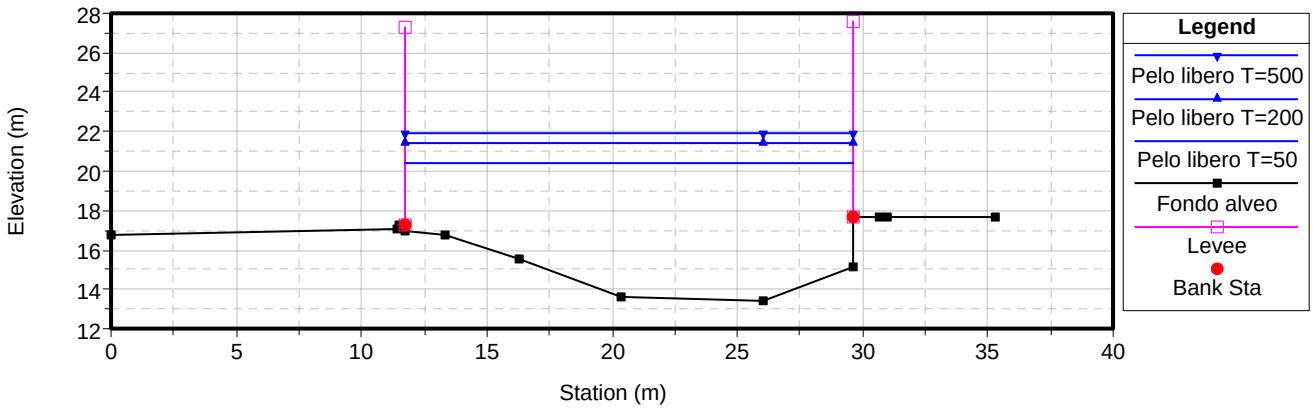

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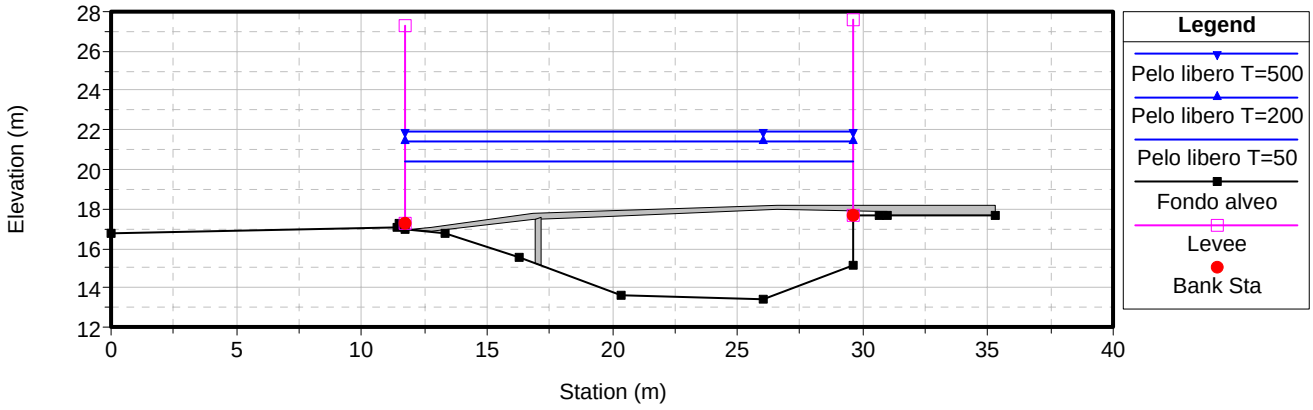

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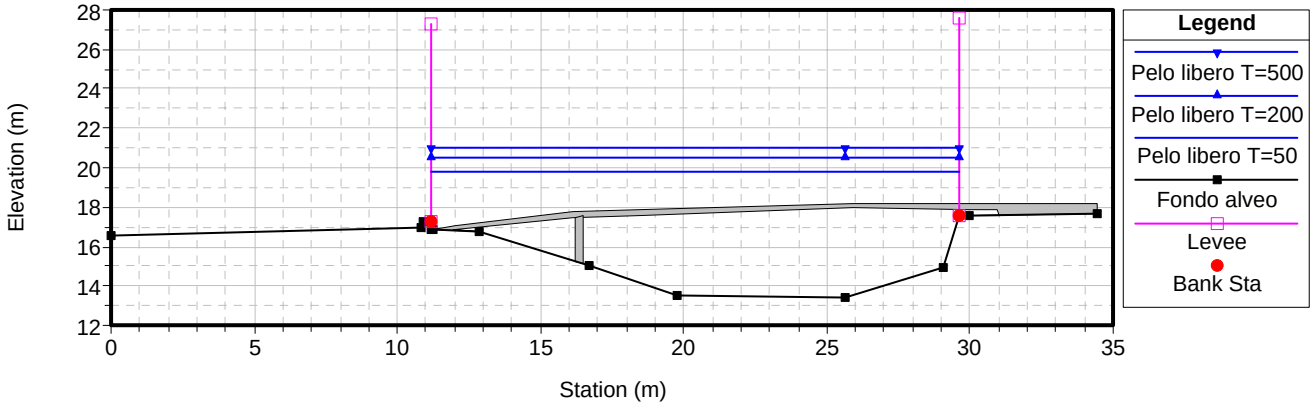

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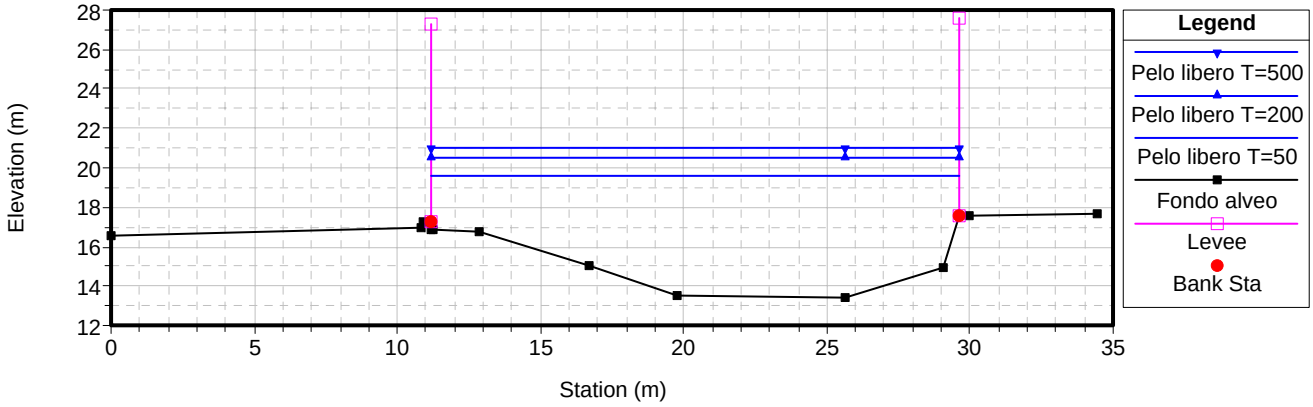

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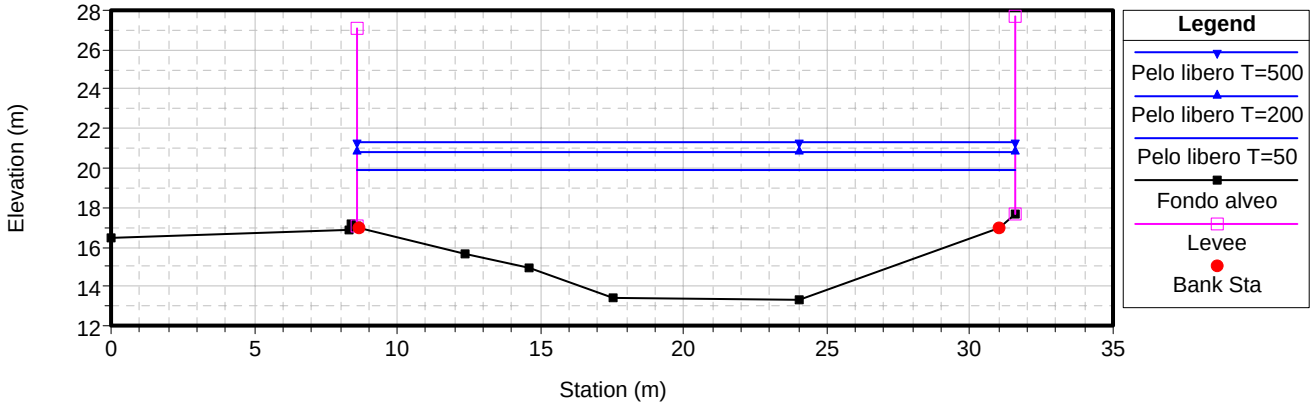

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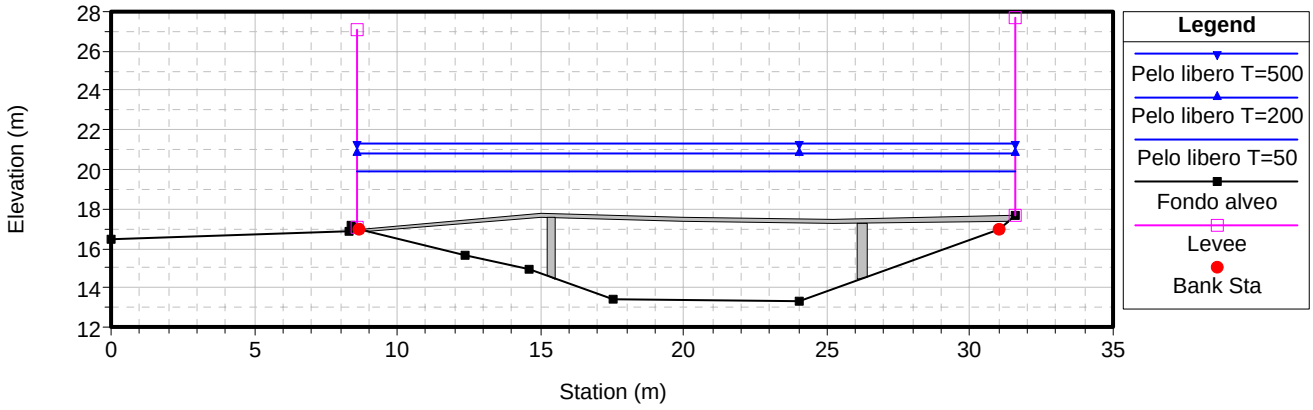

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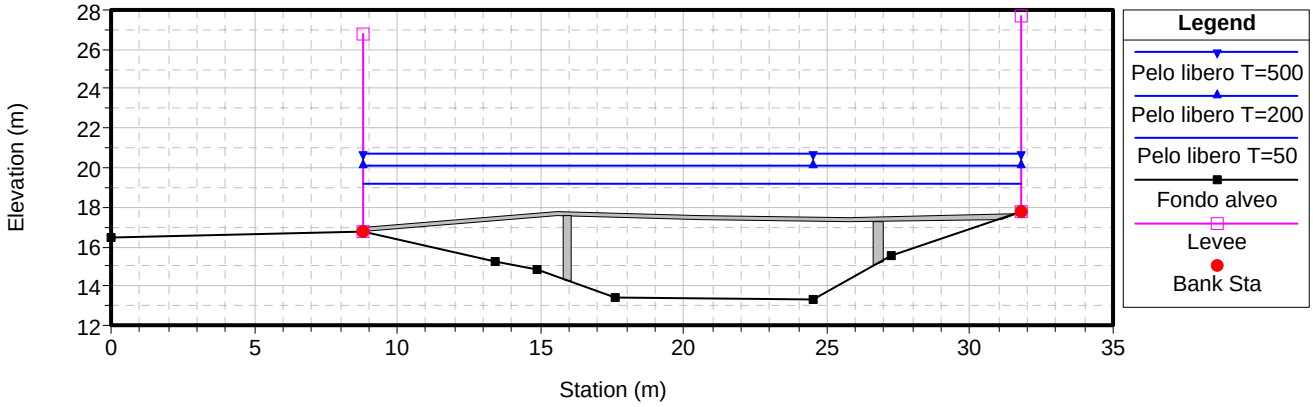

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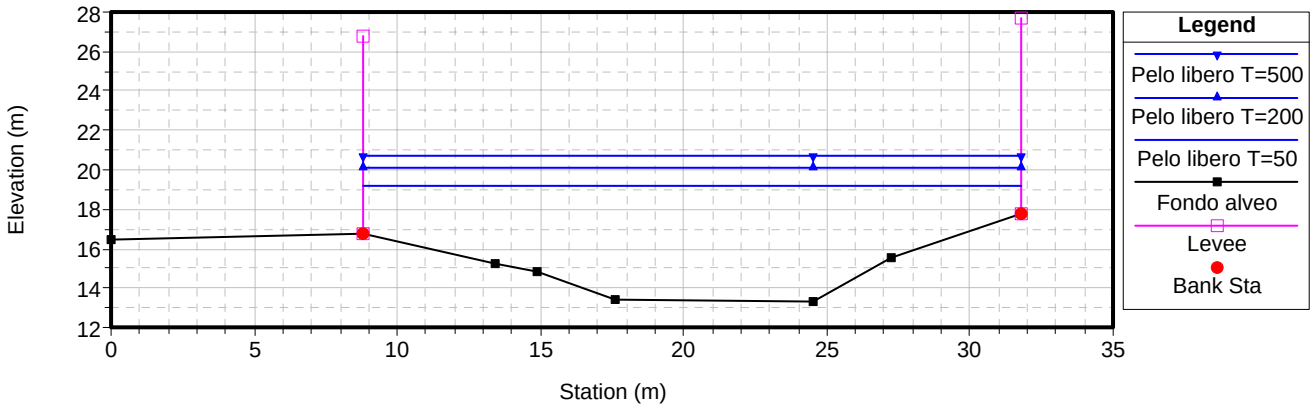

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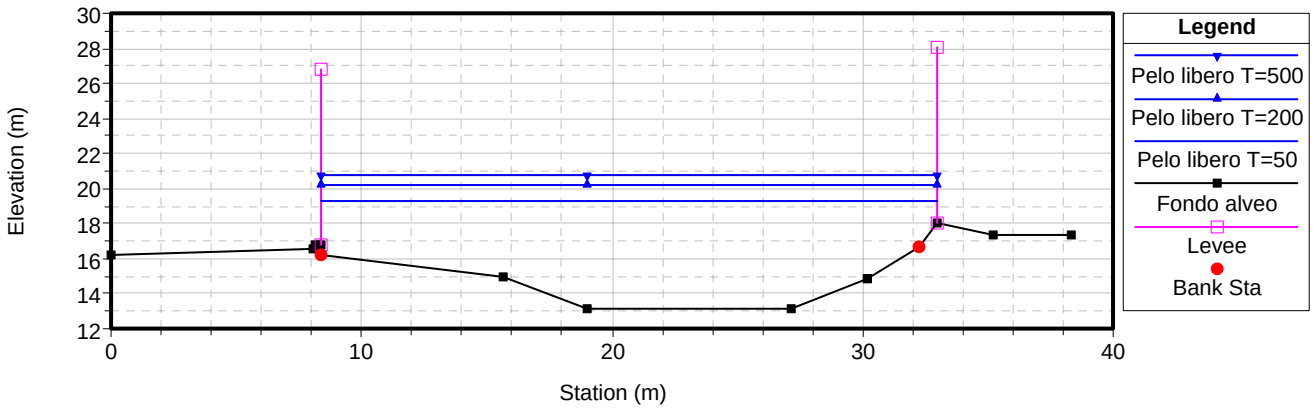

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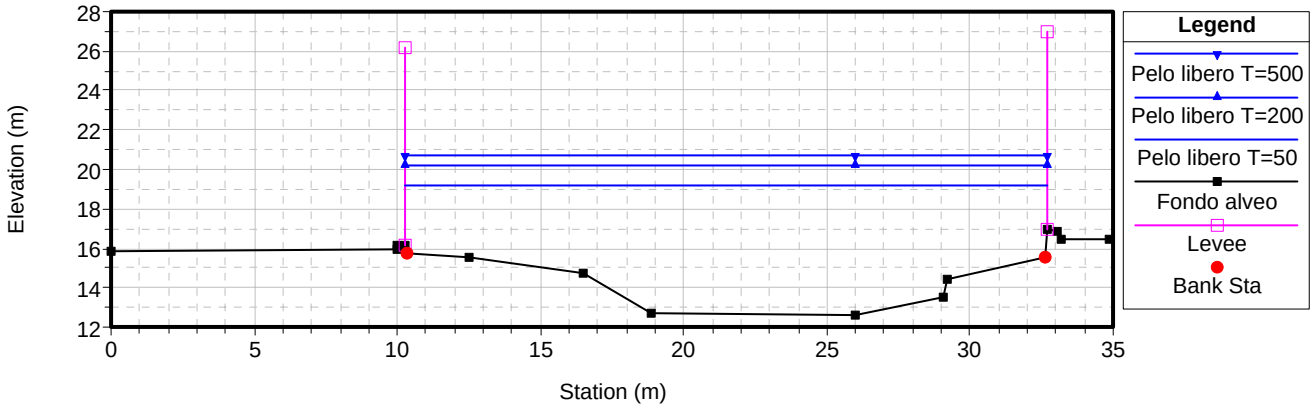

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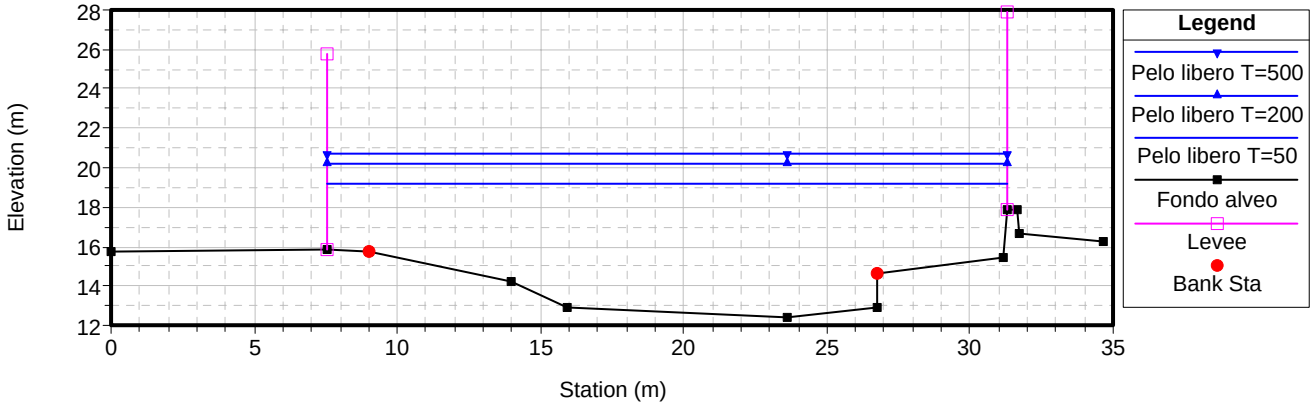

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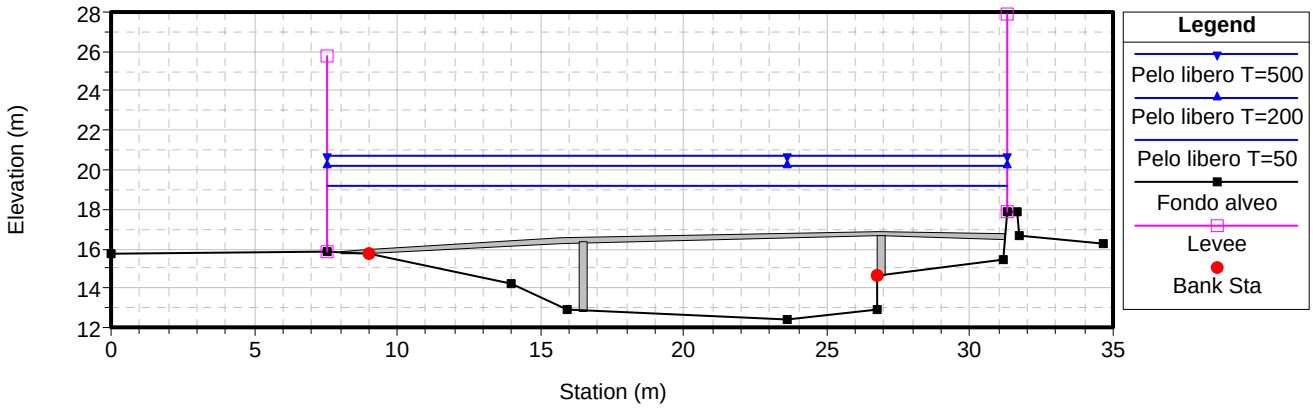

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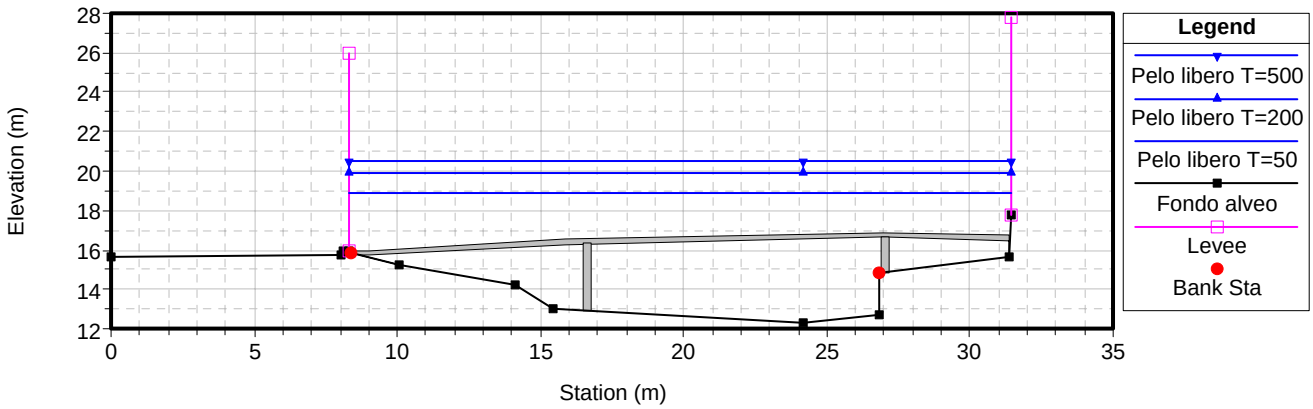

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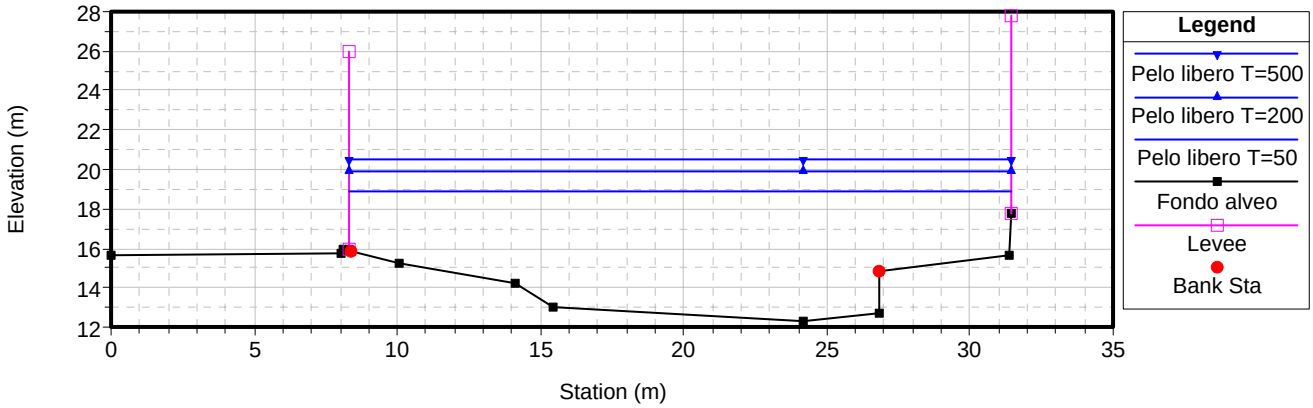

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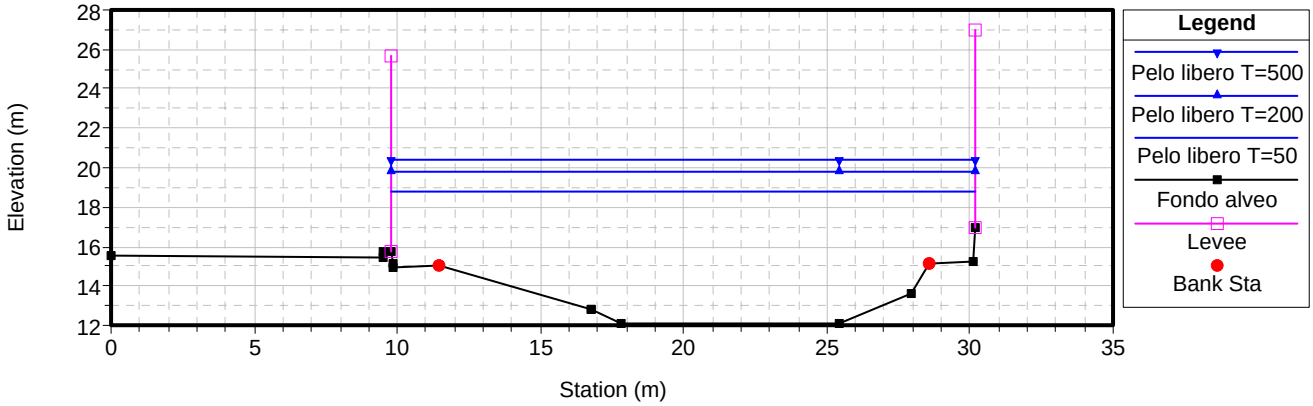

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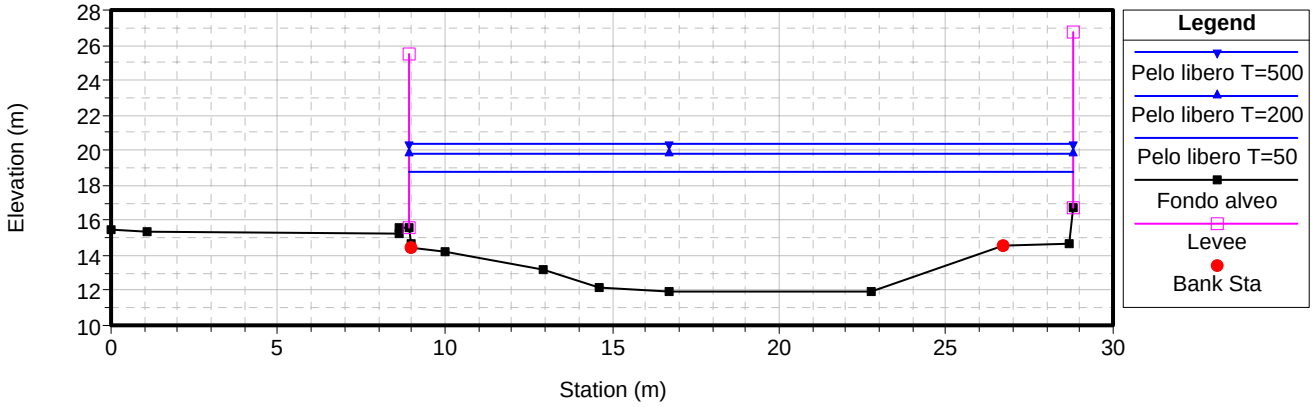

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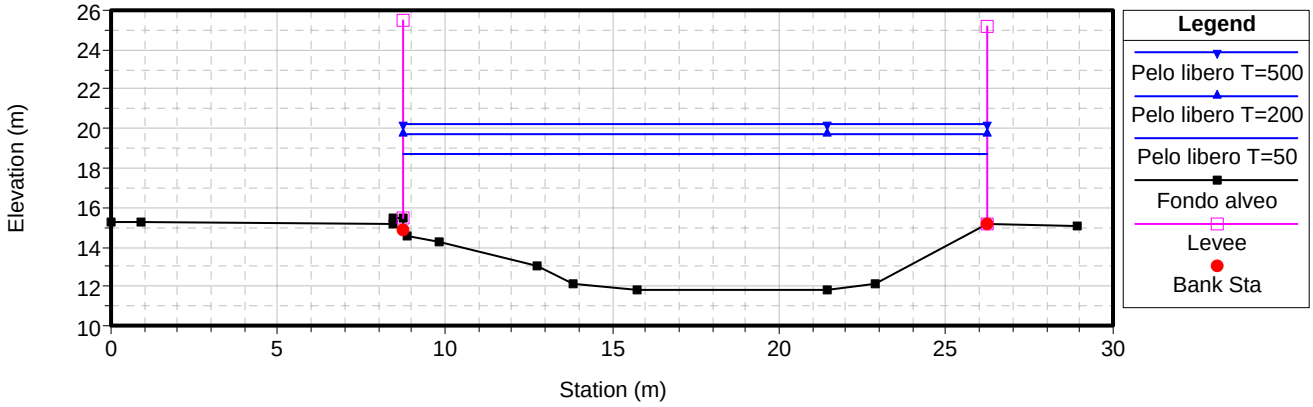

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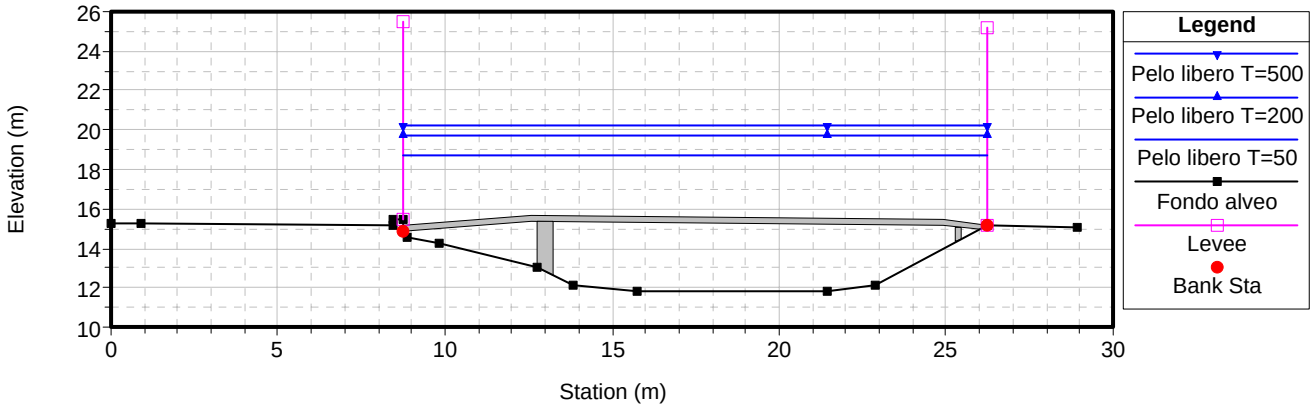

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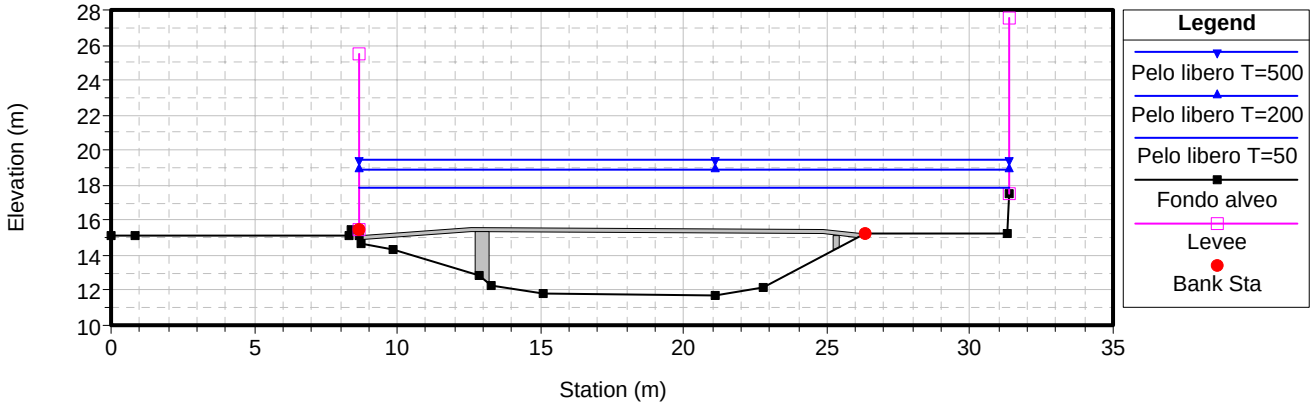

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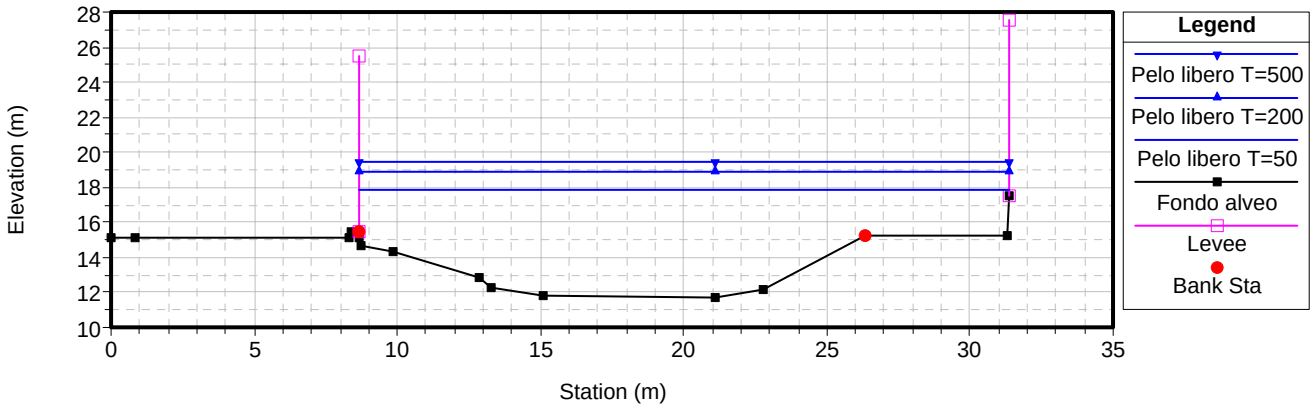

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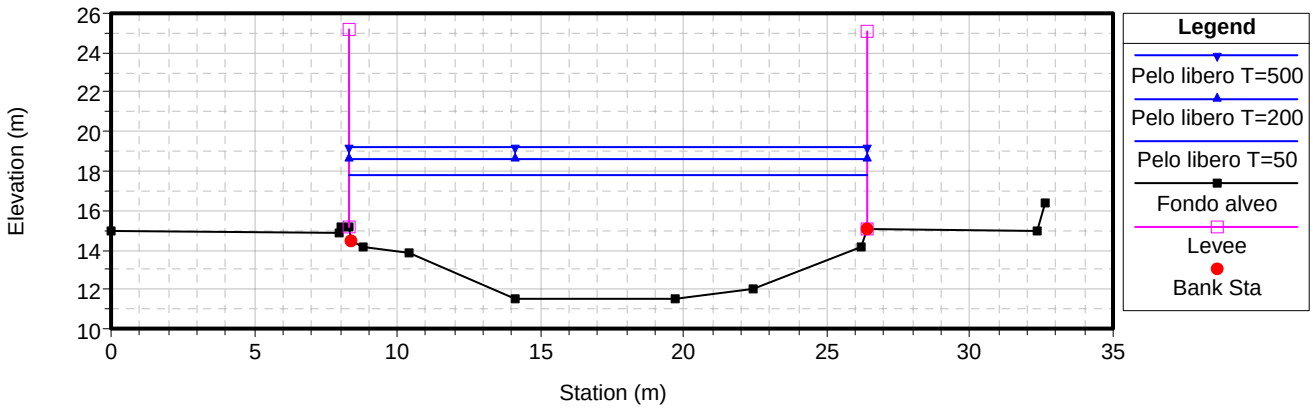

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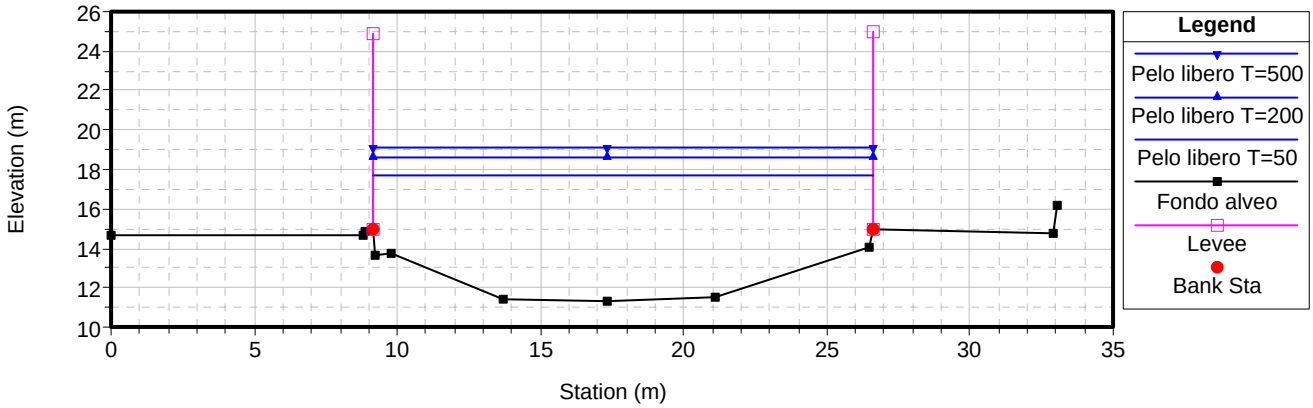

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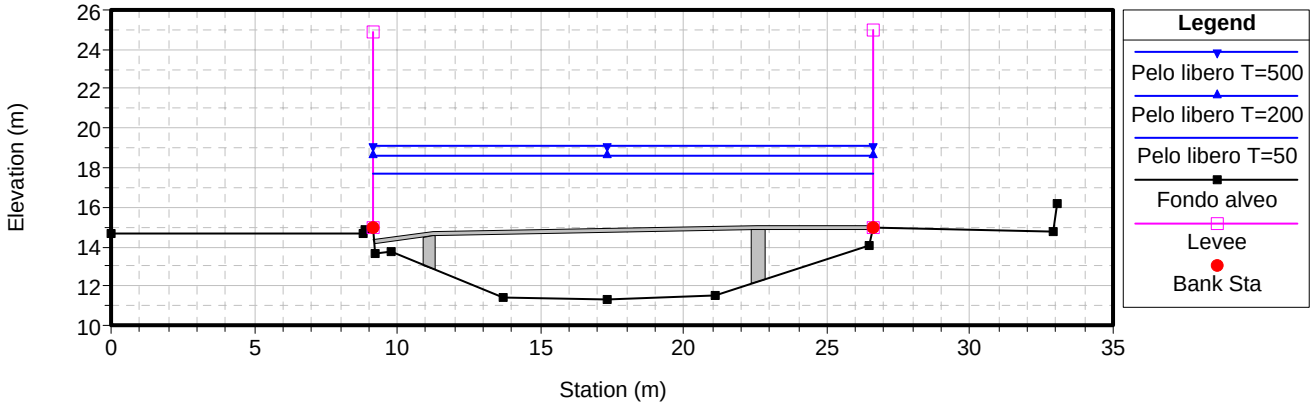

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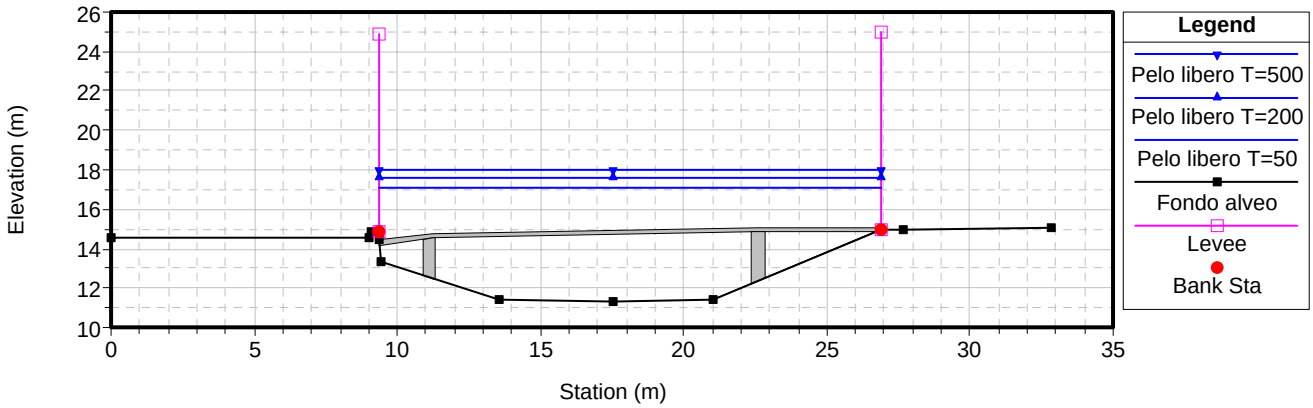

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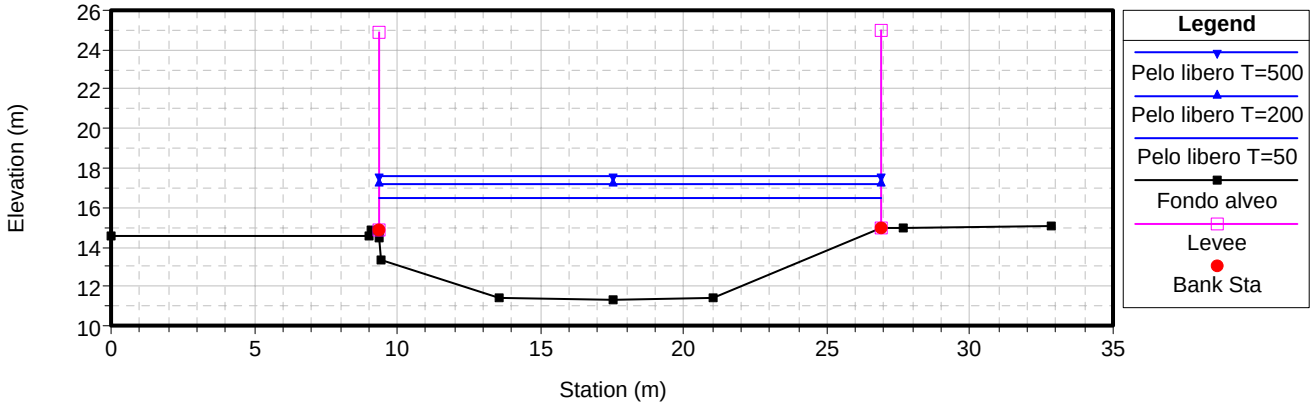

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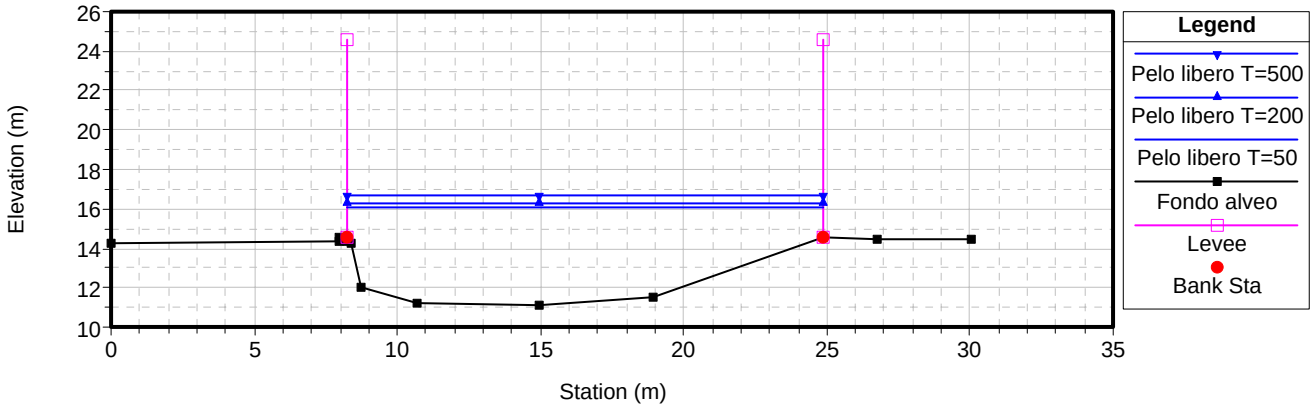

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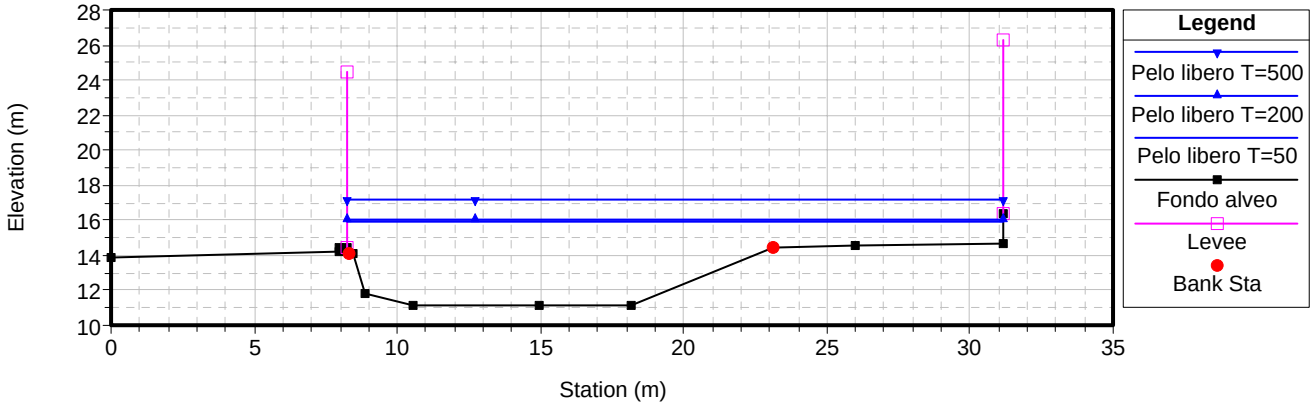

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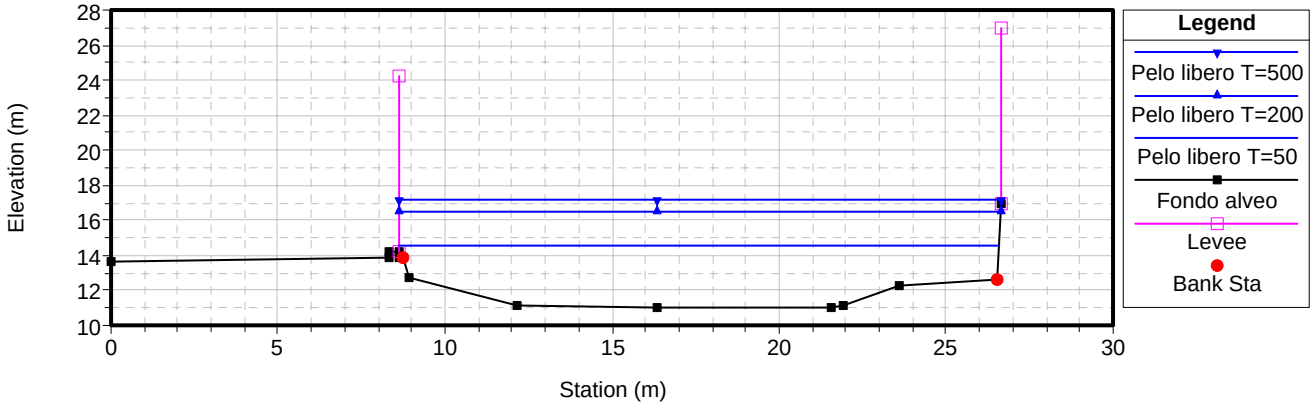

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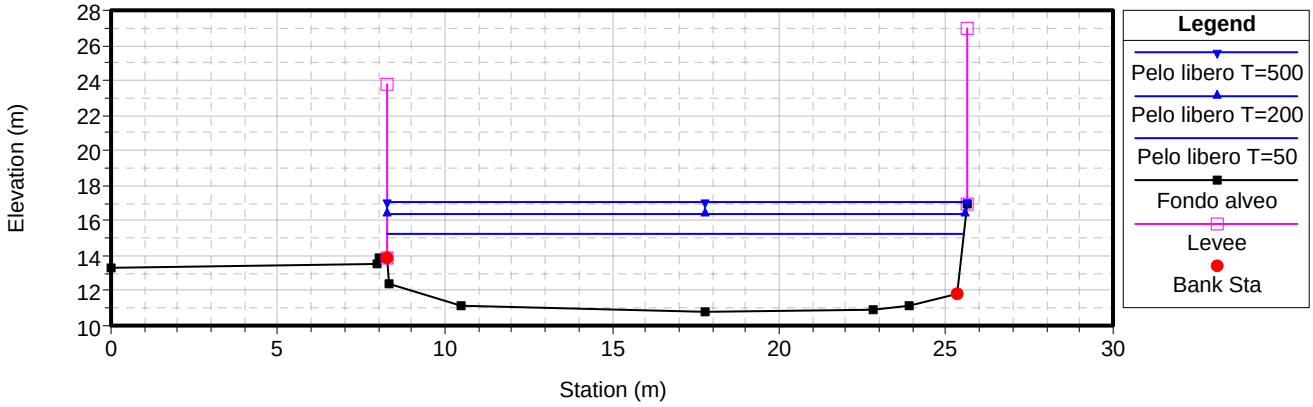

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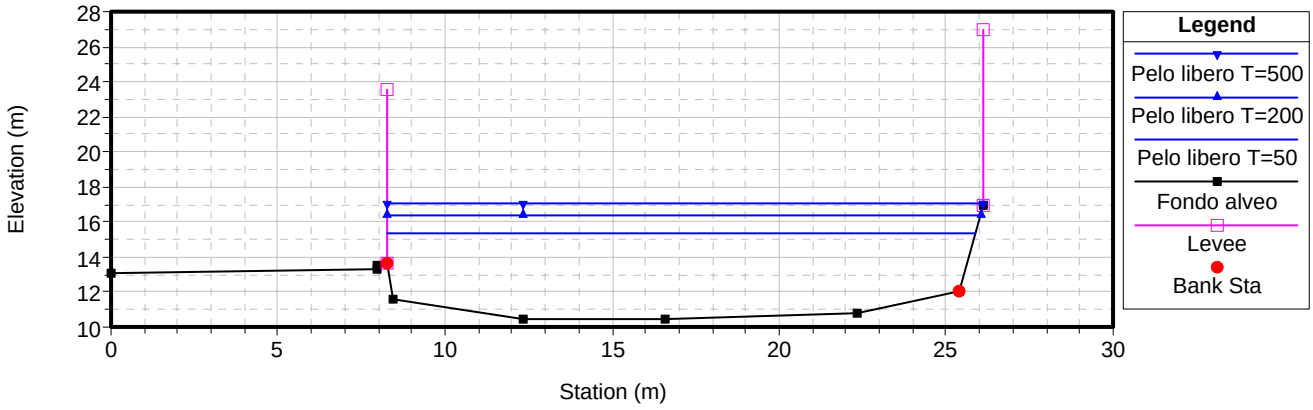

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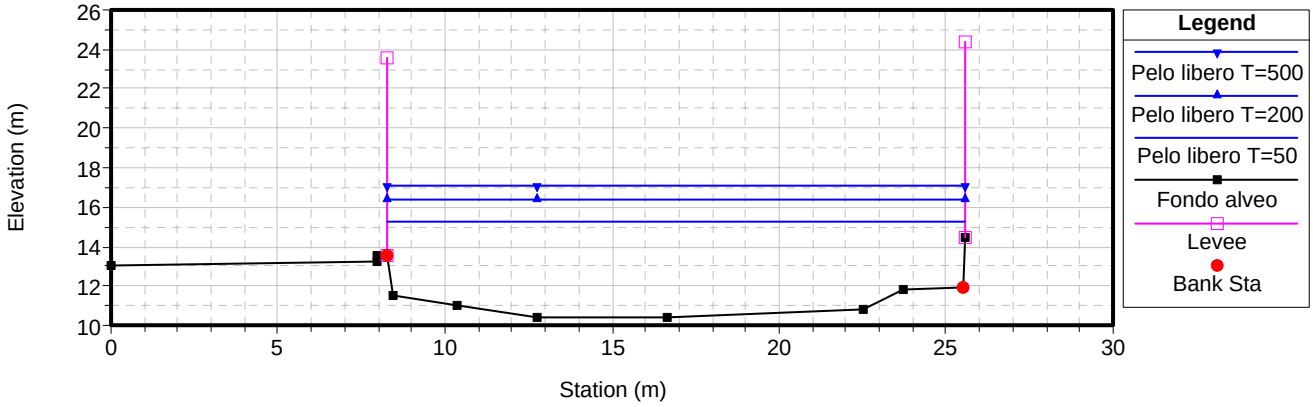

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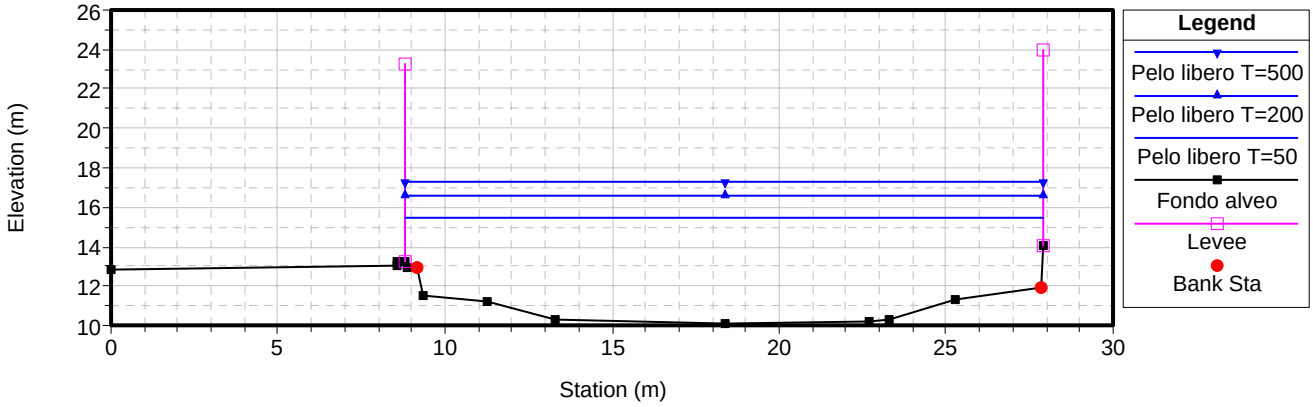

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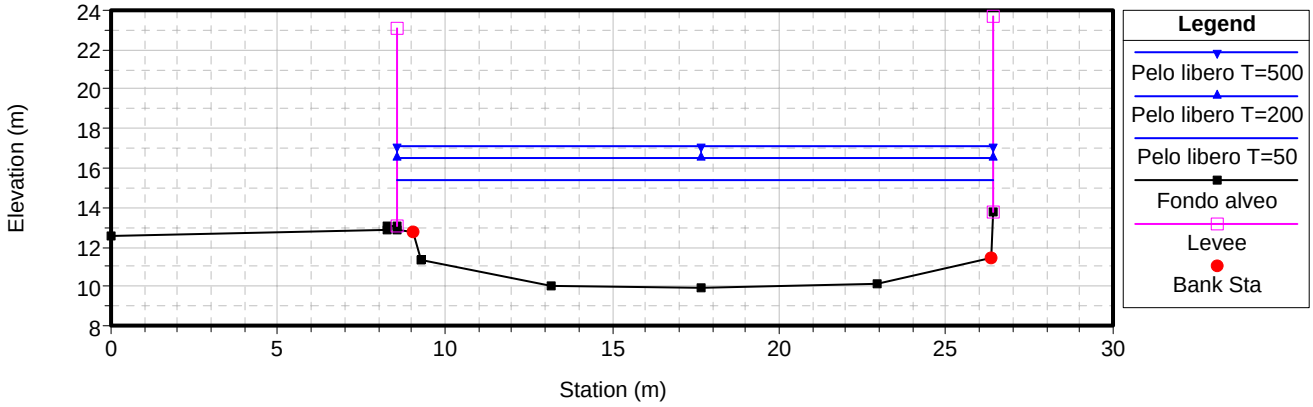

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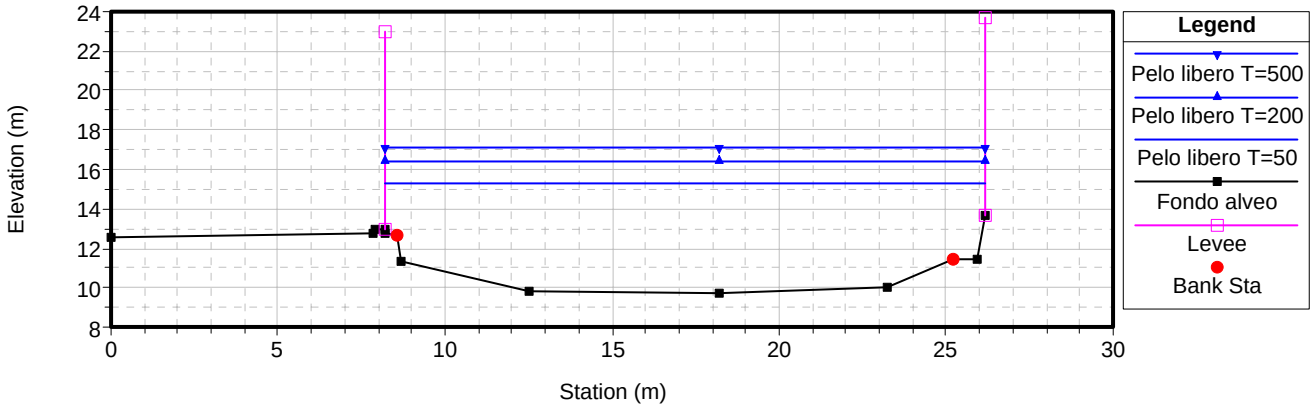

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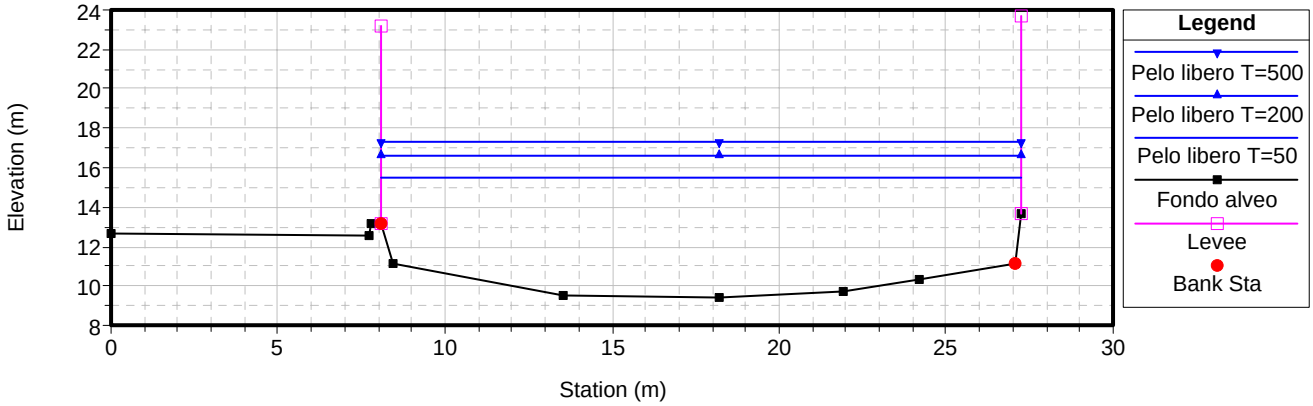

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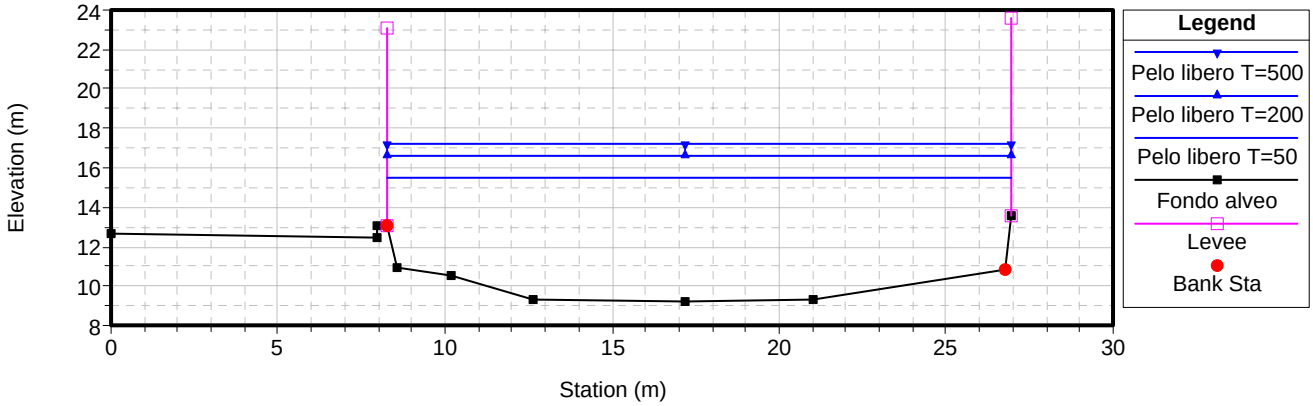

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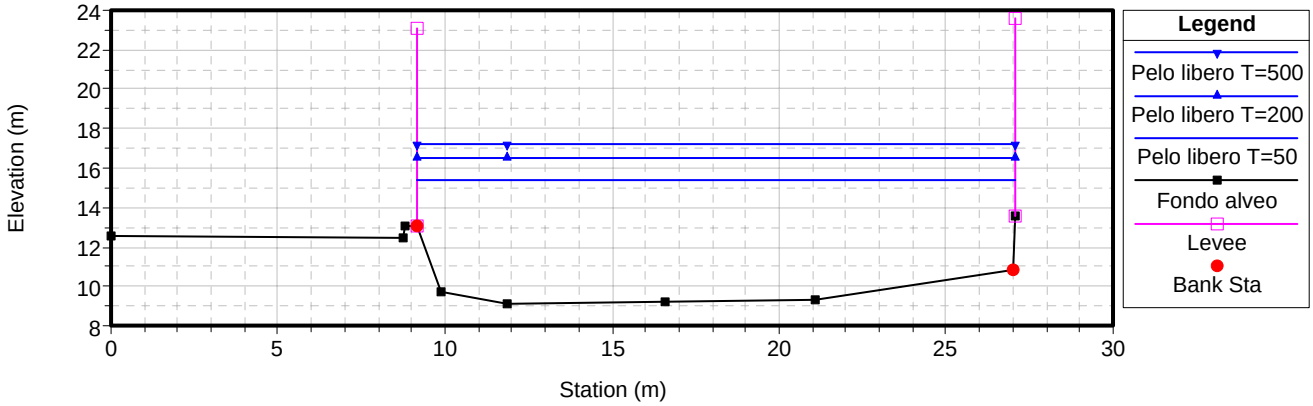

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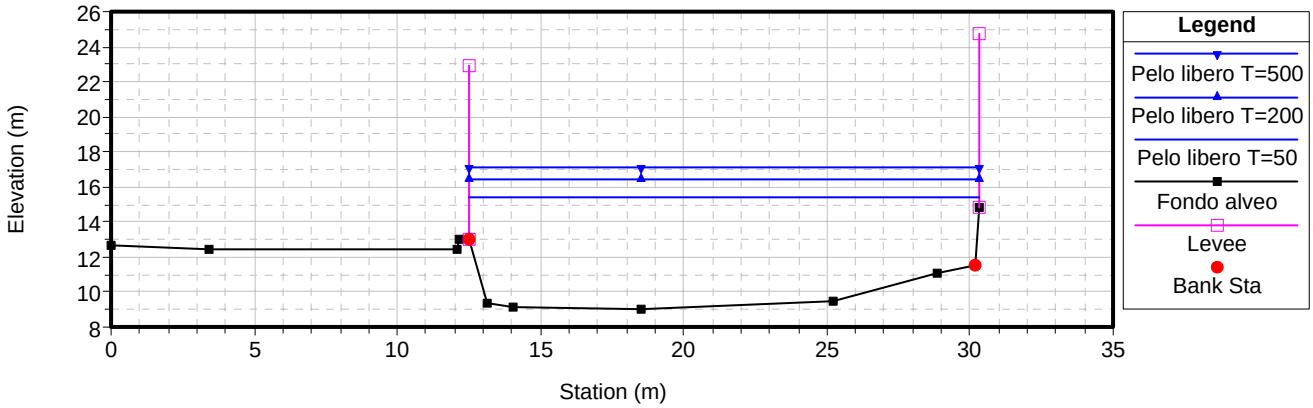

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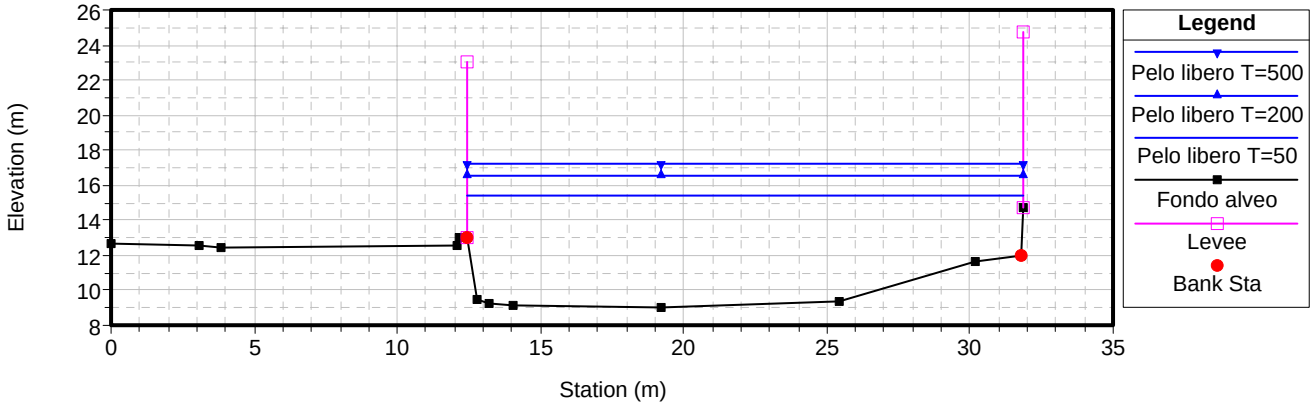

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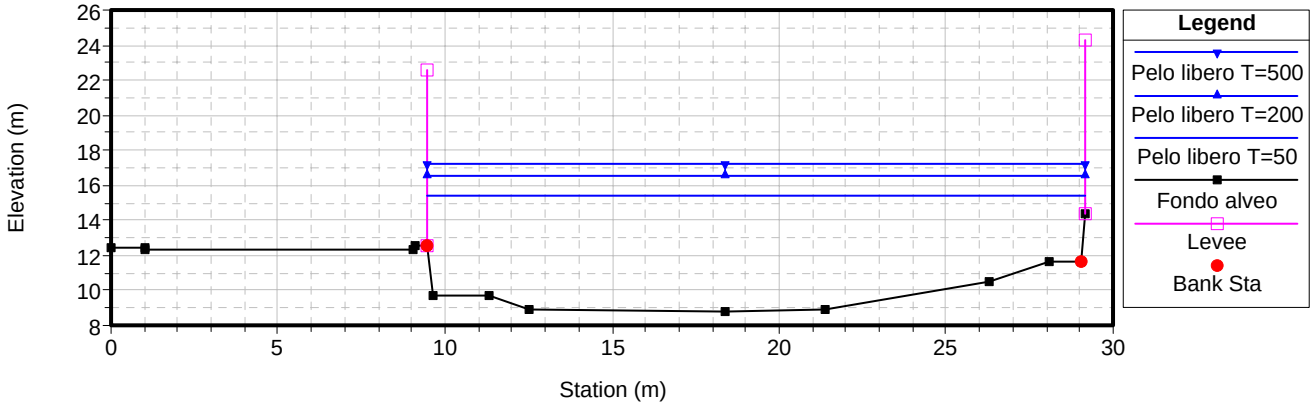

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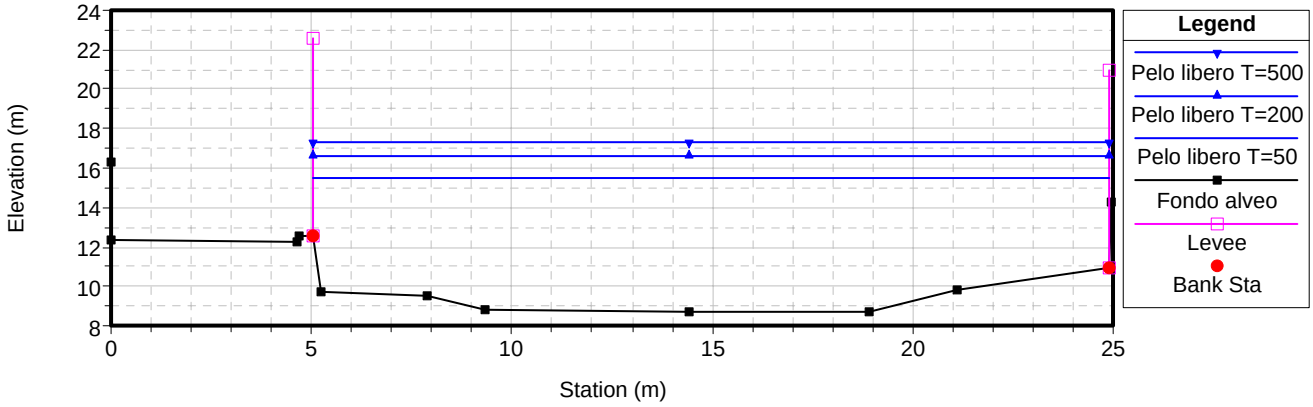

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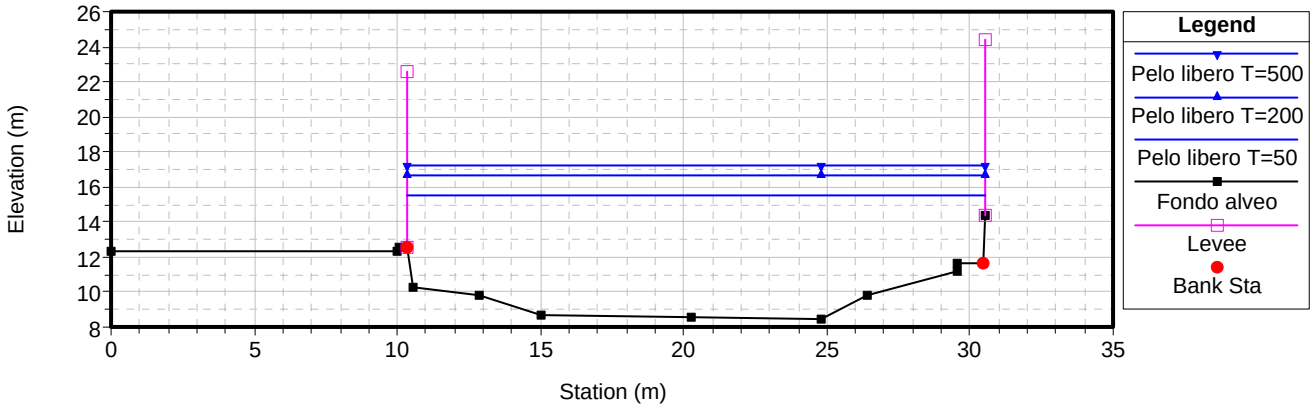

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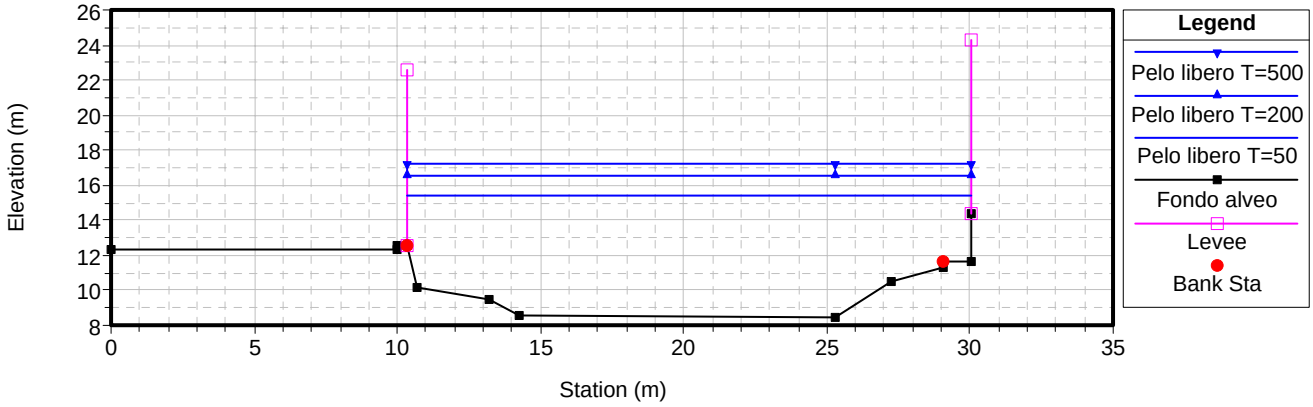

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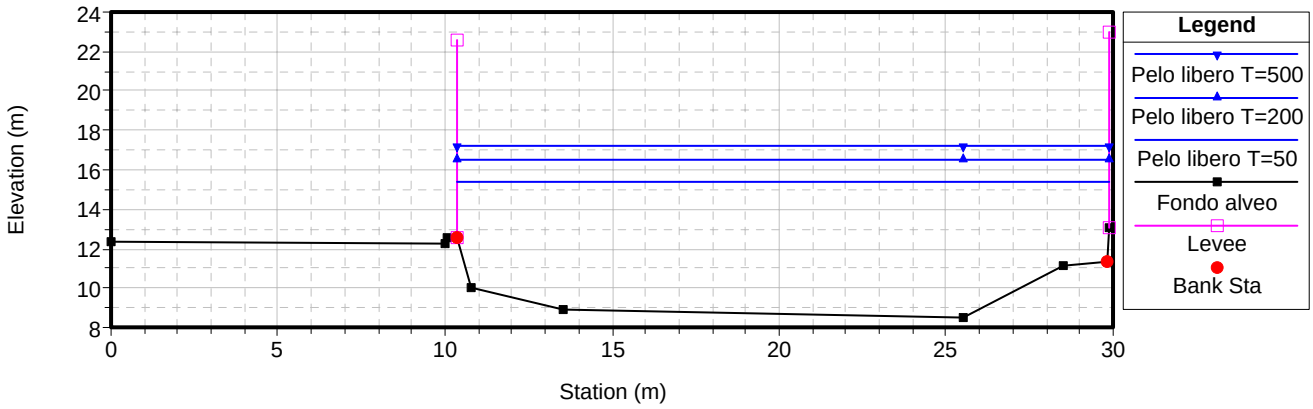

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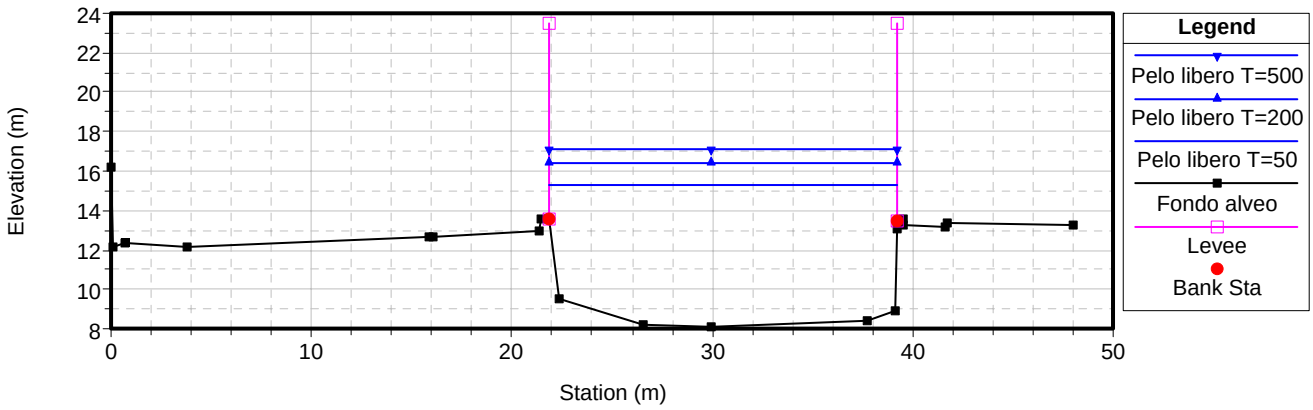

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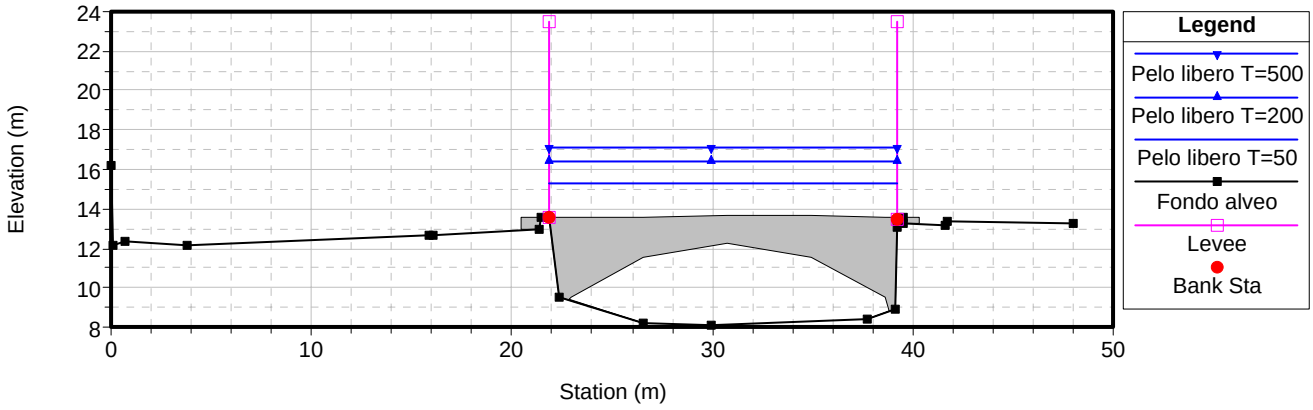

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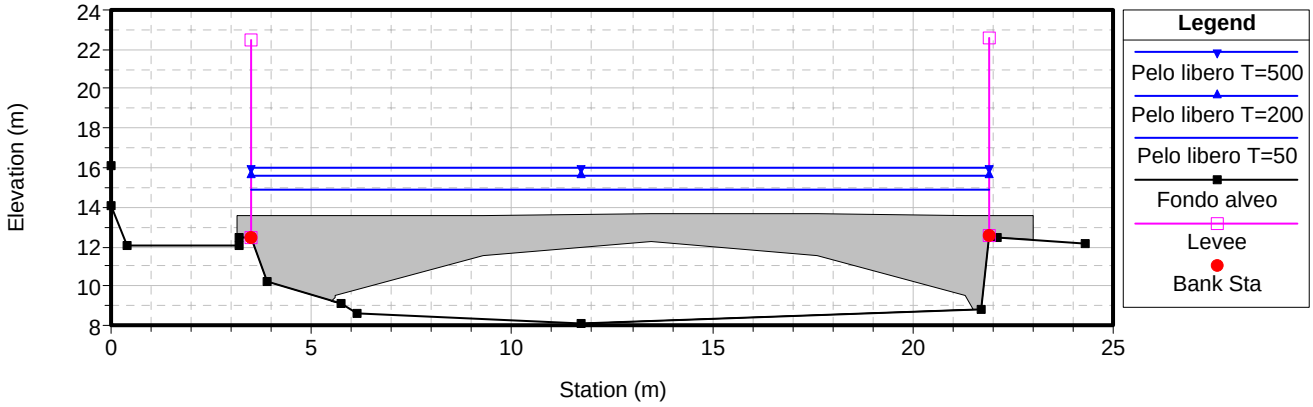

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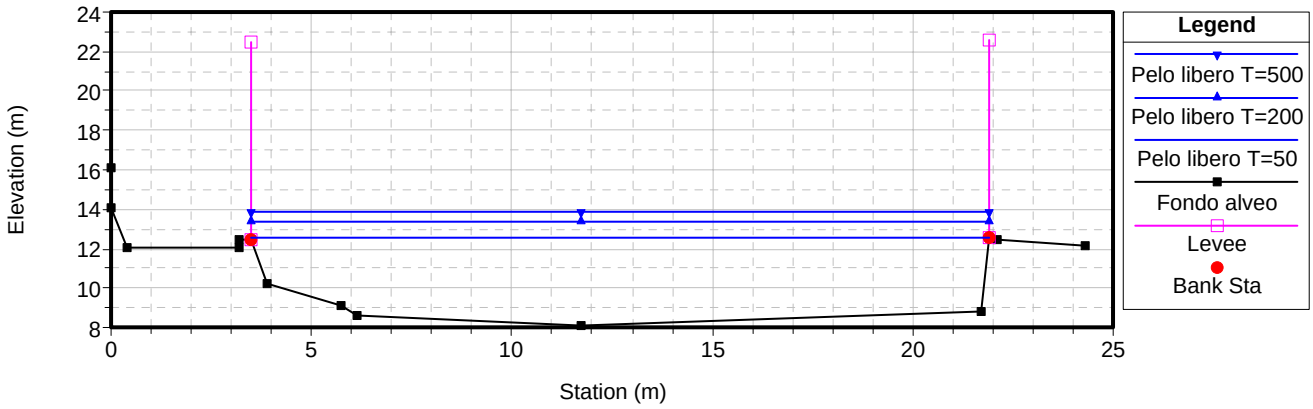

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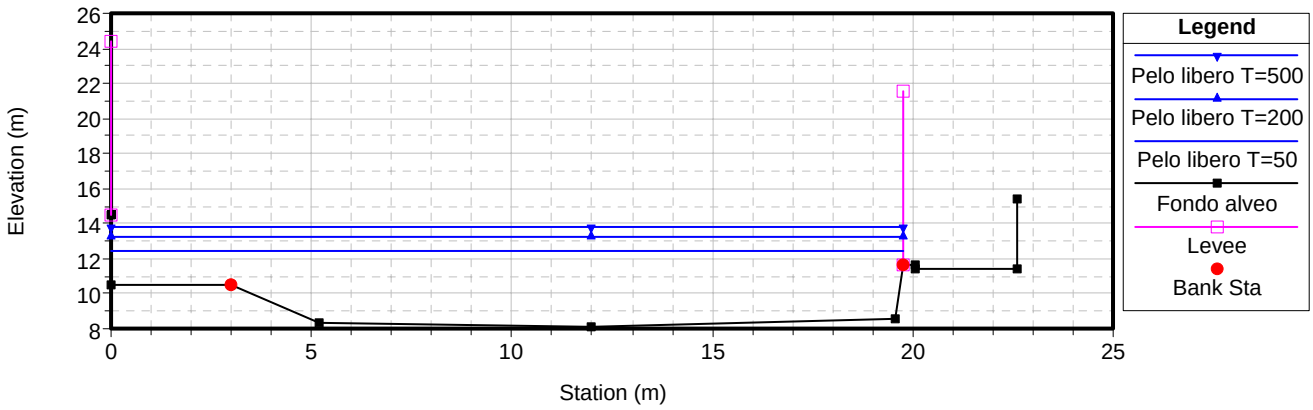

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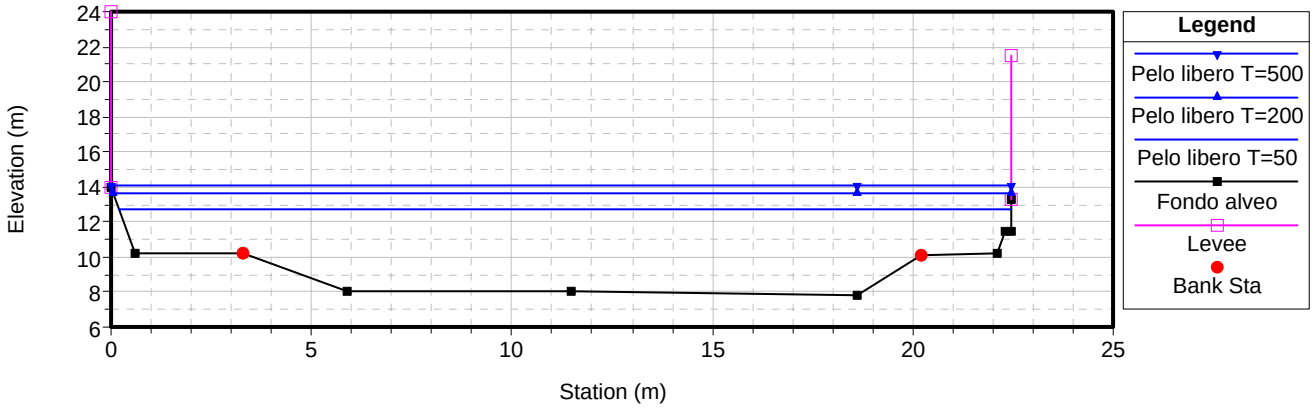

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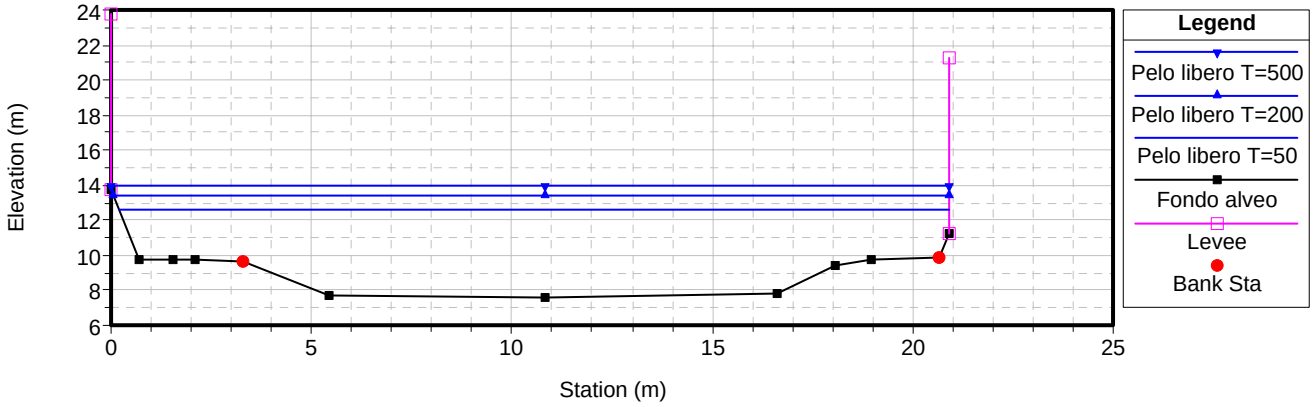

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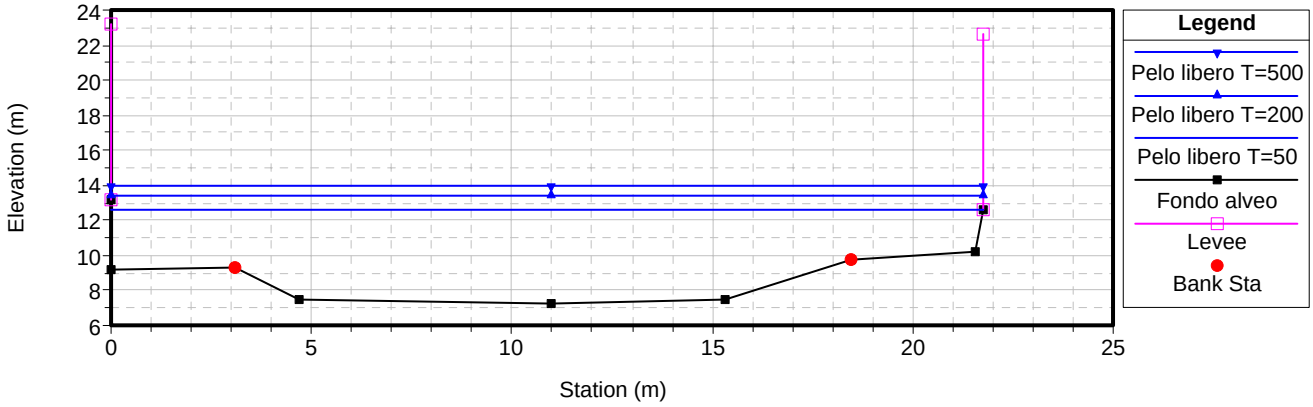

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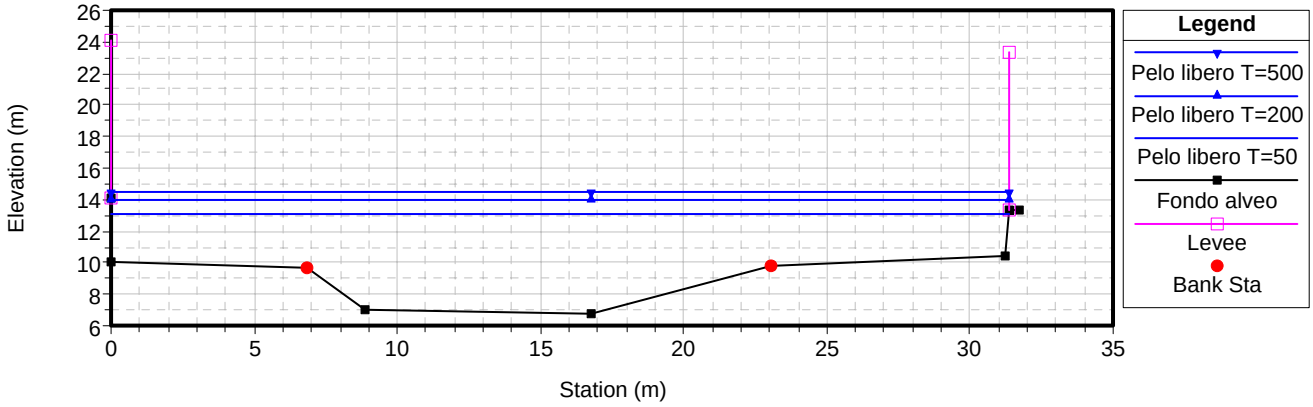

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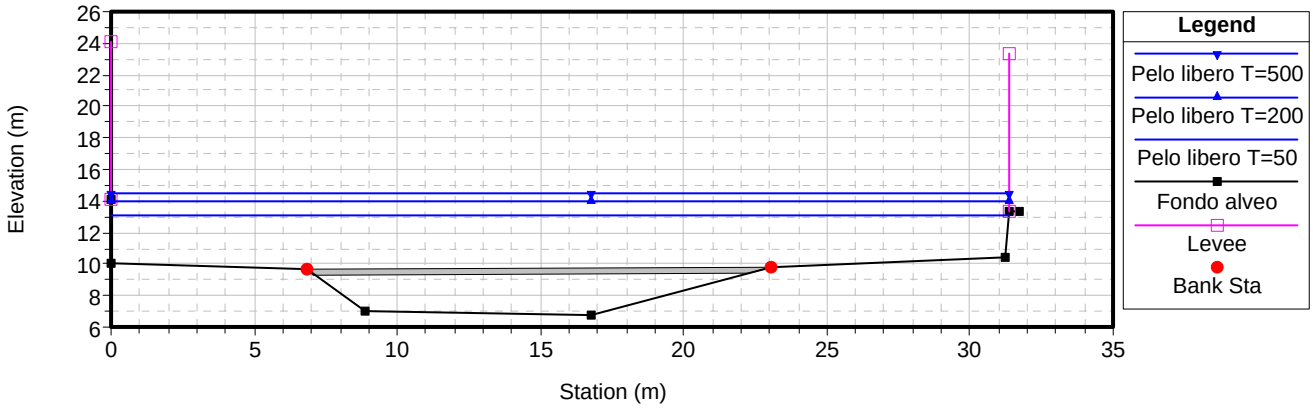

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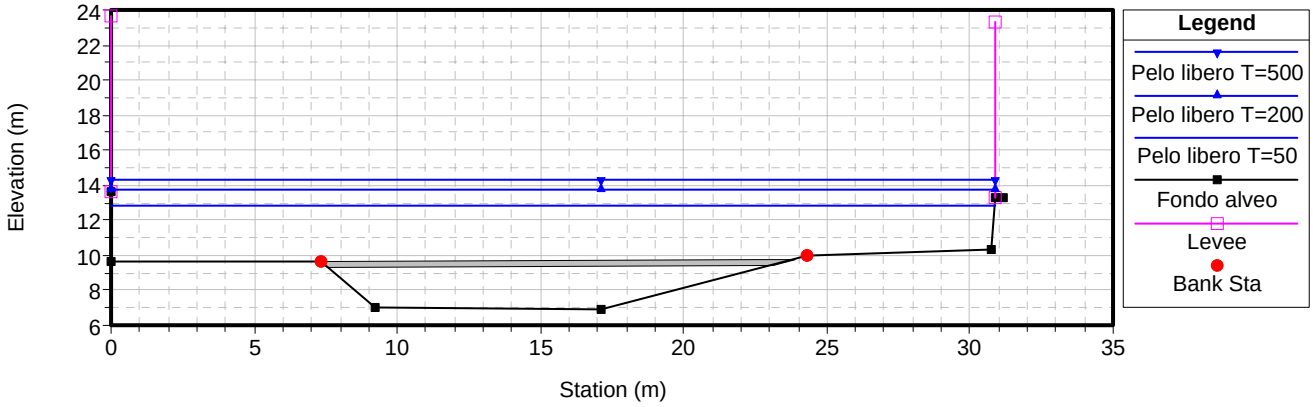

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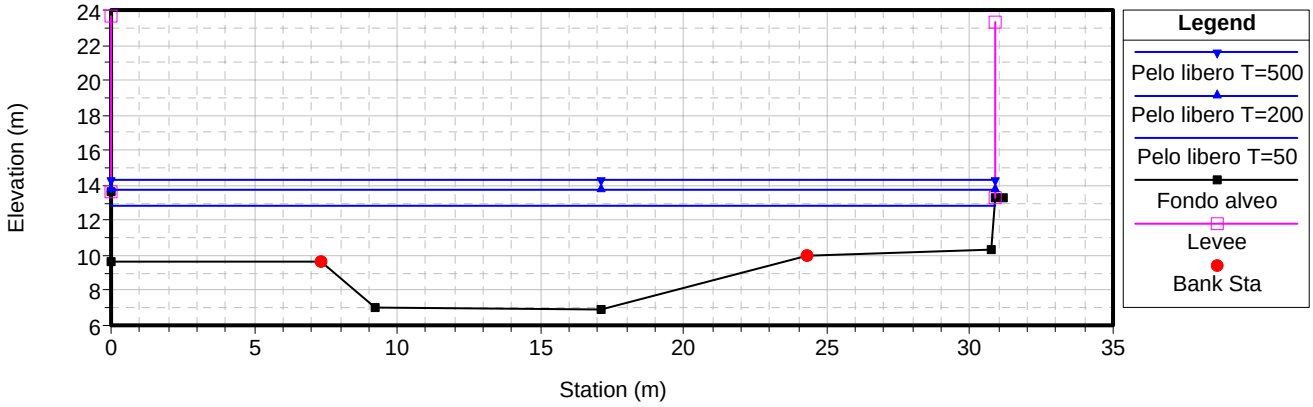

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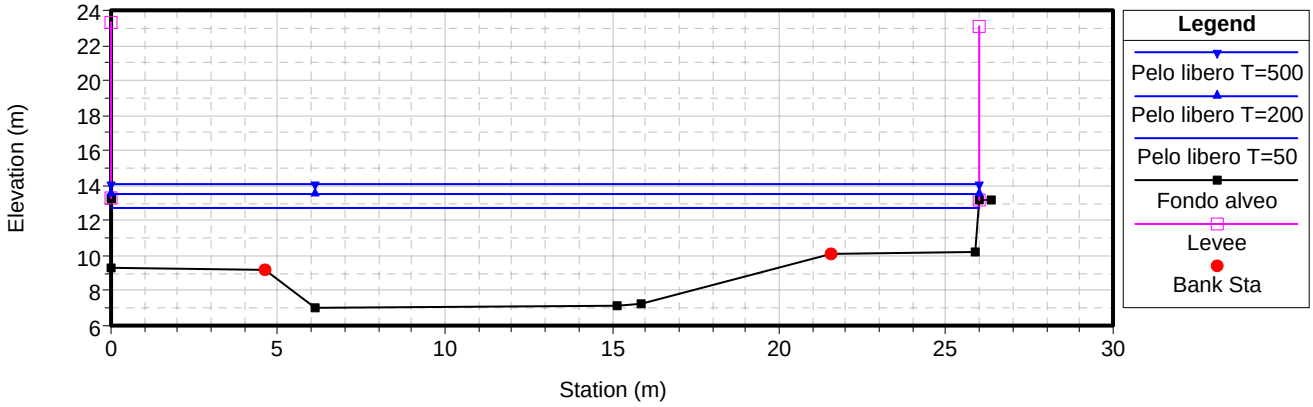

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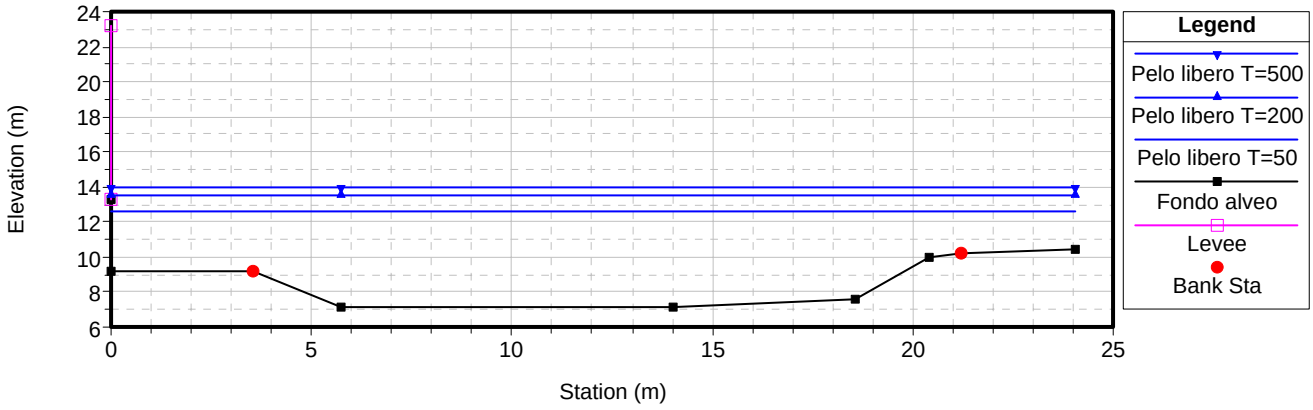

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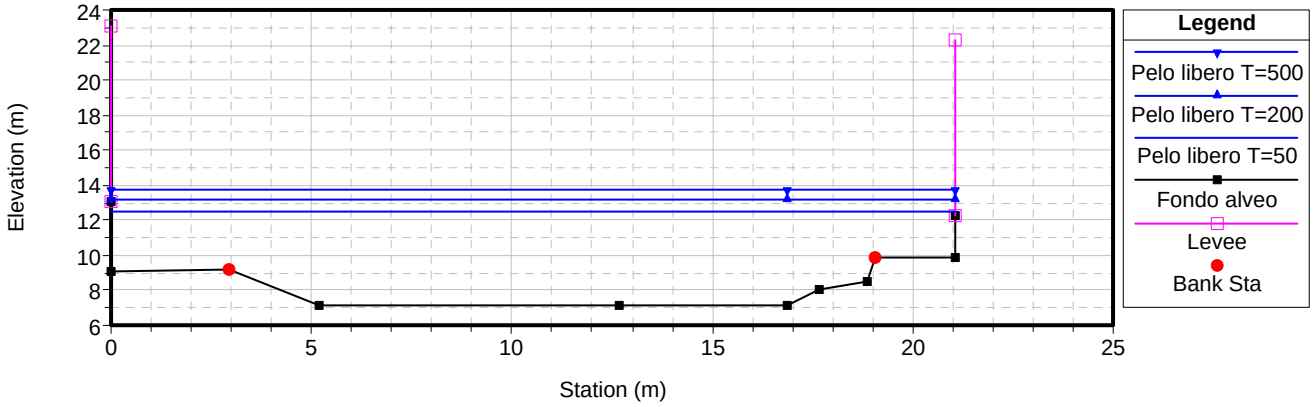

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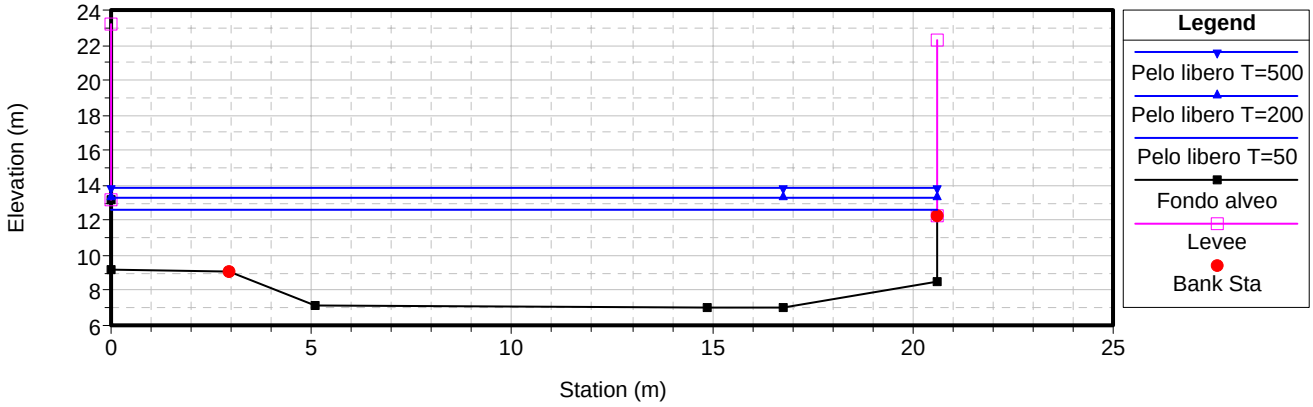

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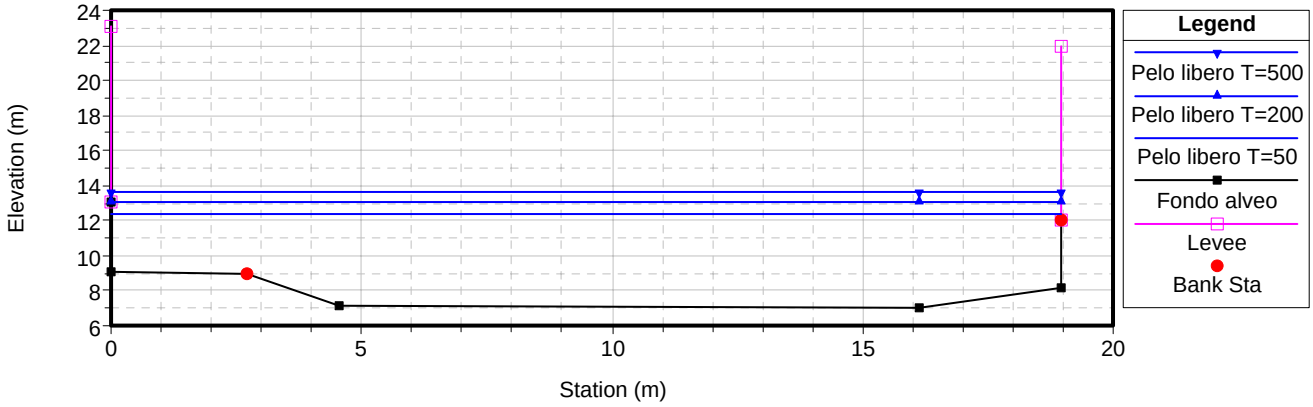

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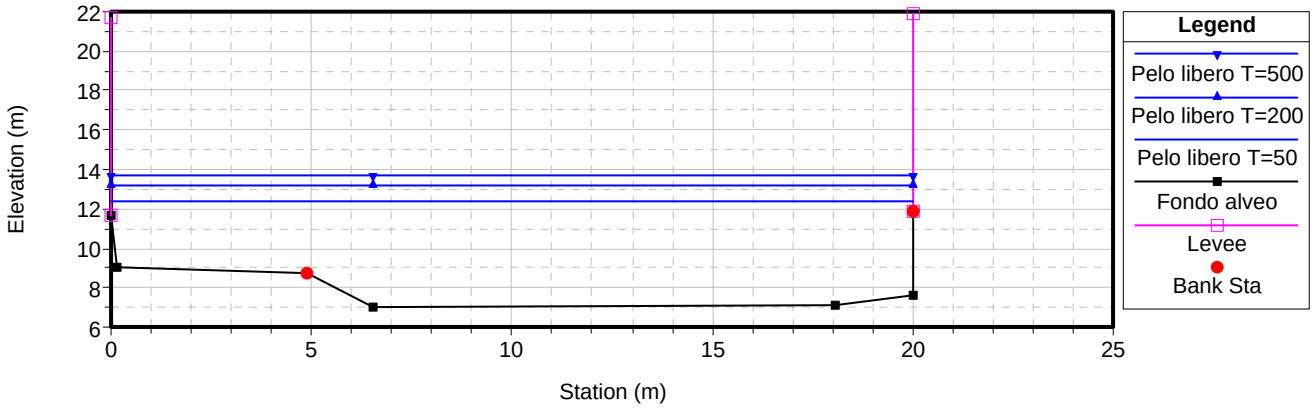

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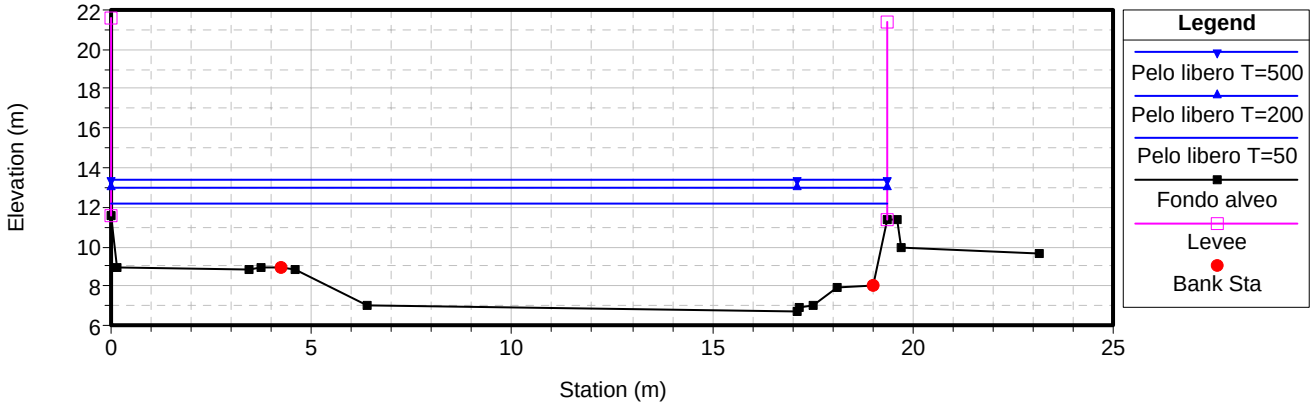

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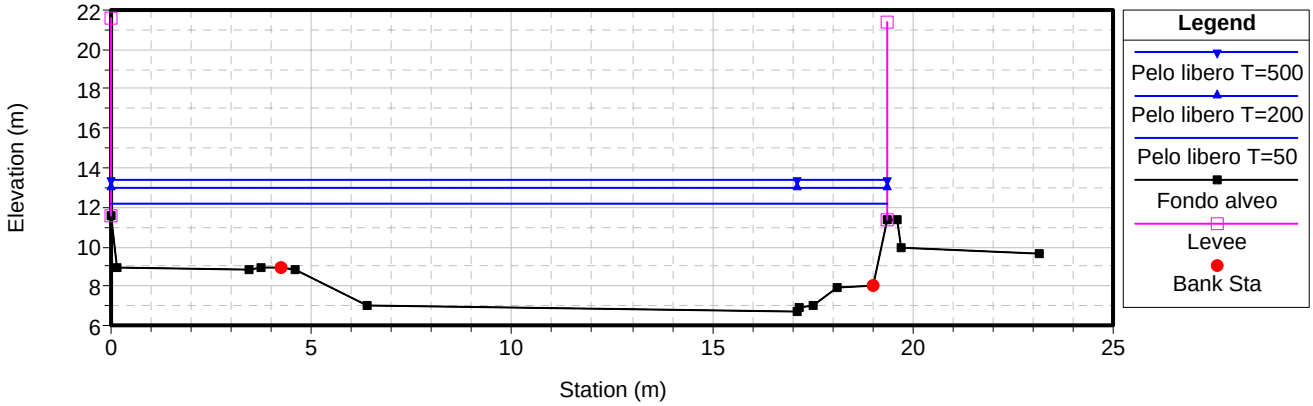

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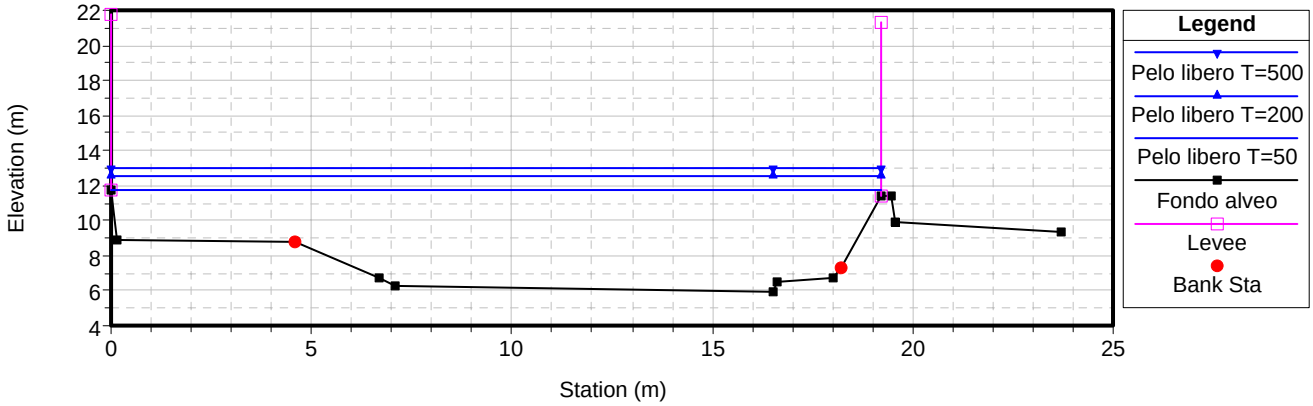

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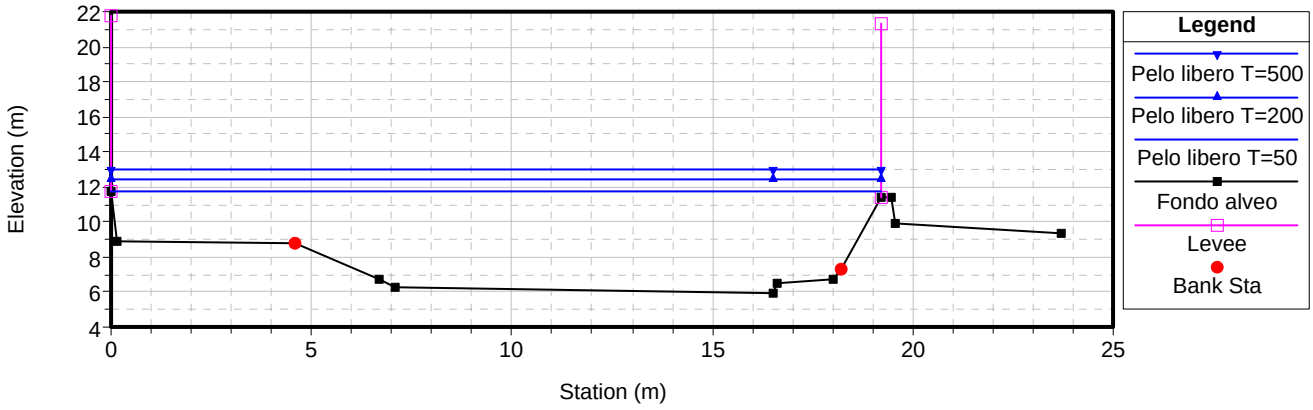

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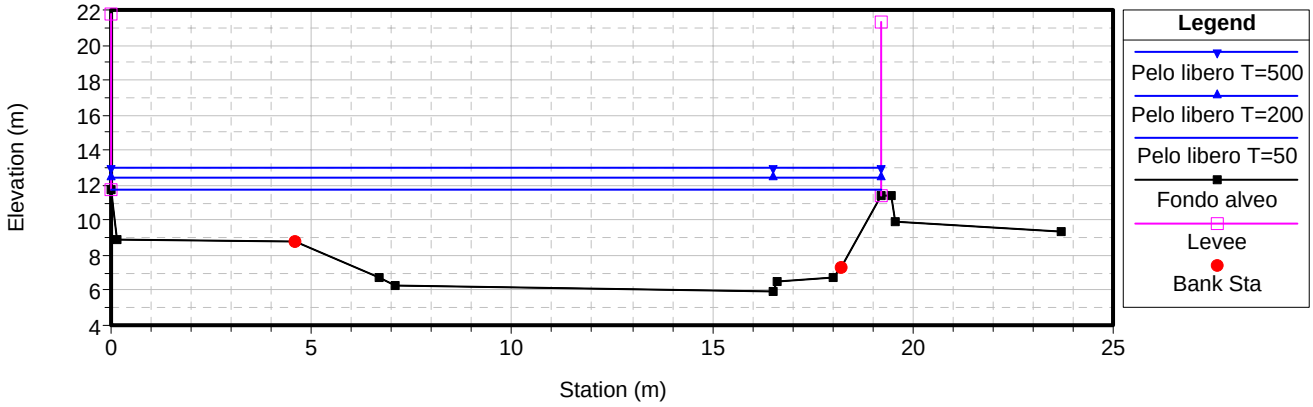

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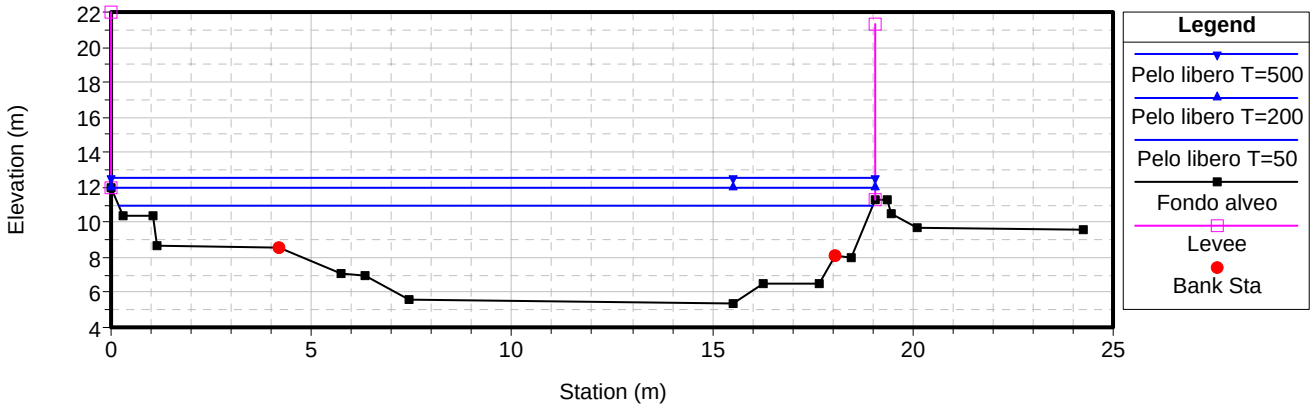

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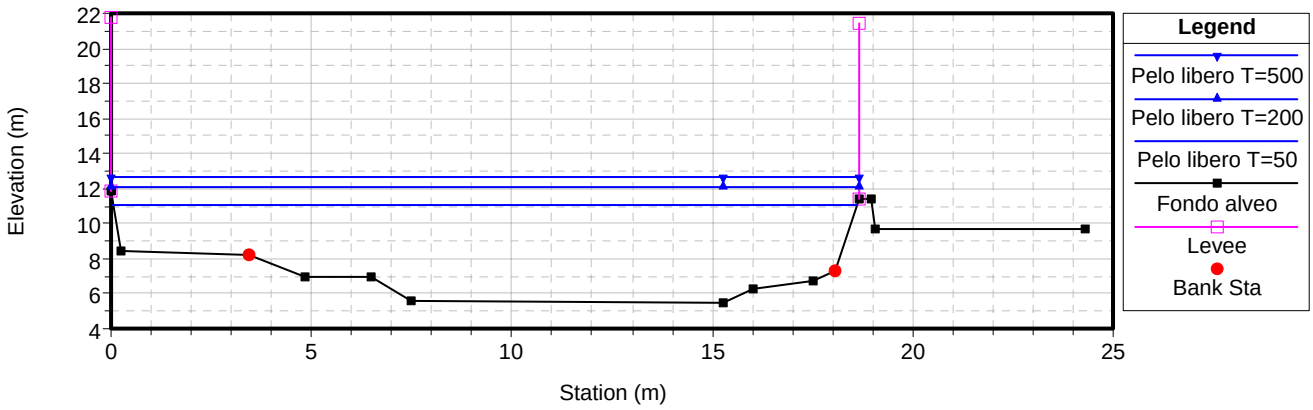

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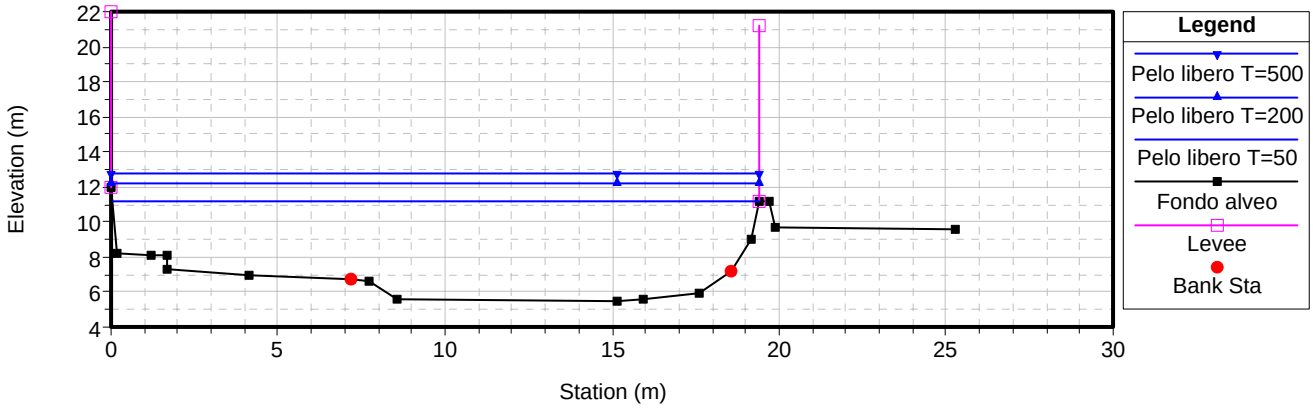
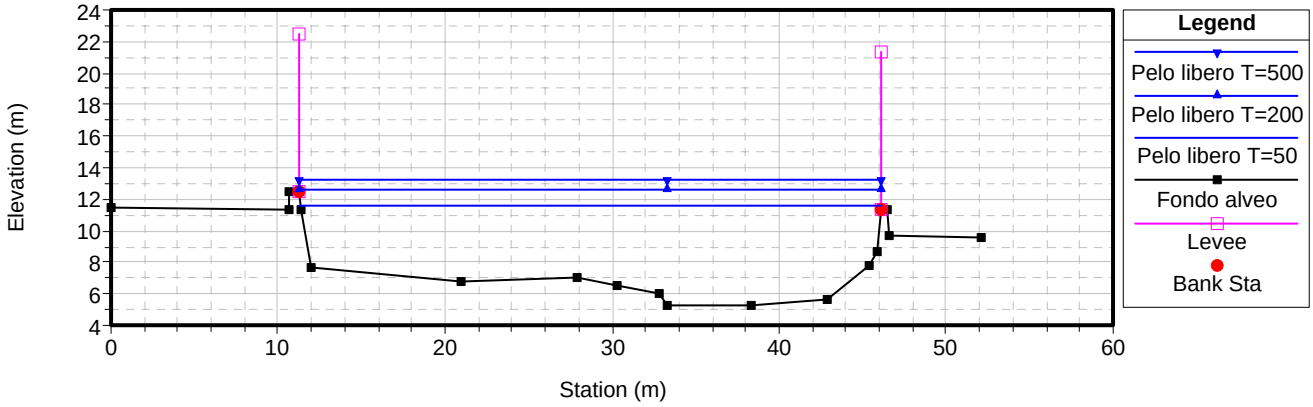


RS = 38



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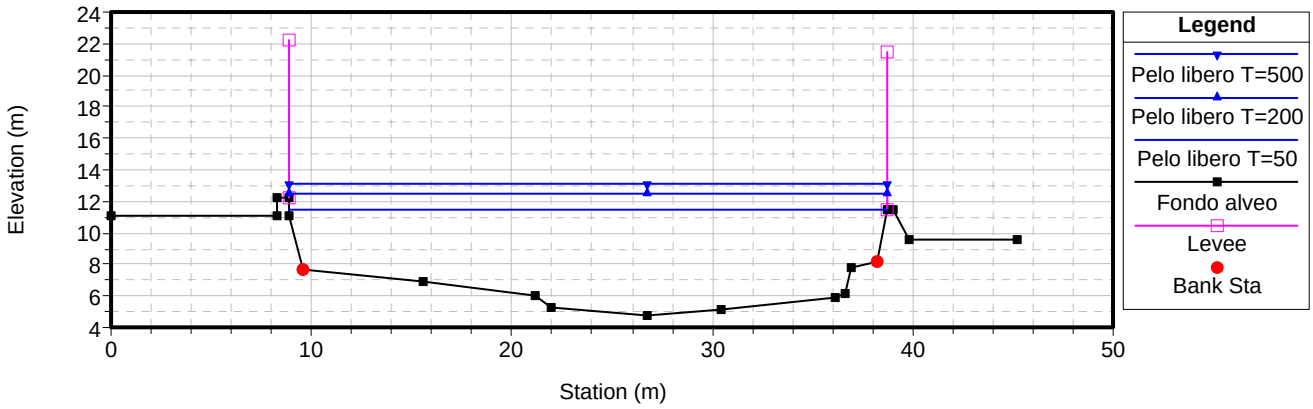

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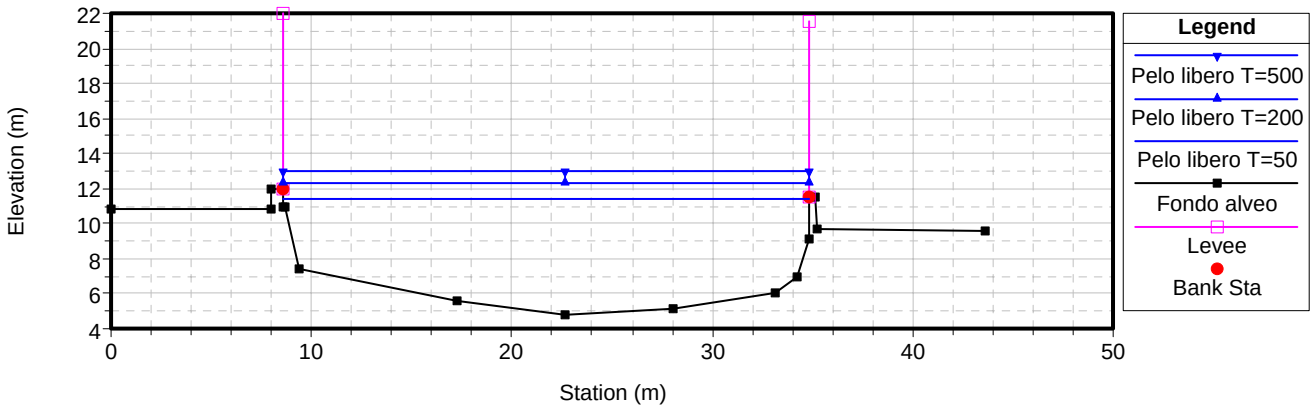
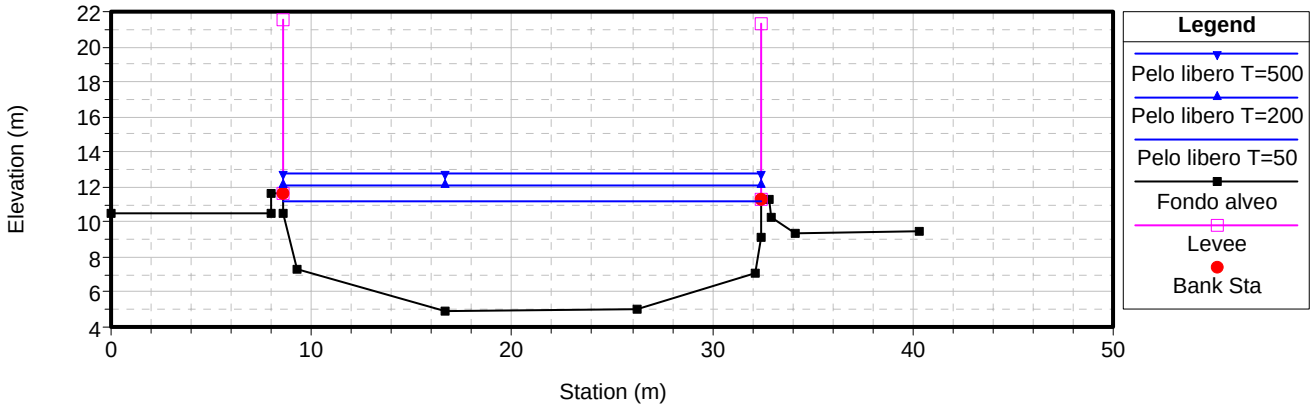


RS = 35



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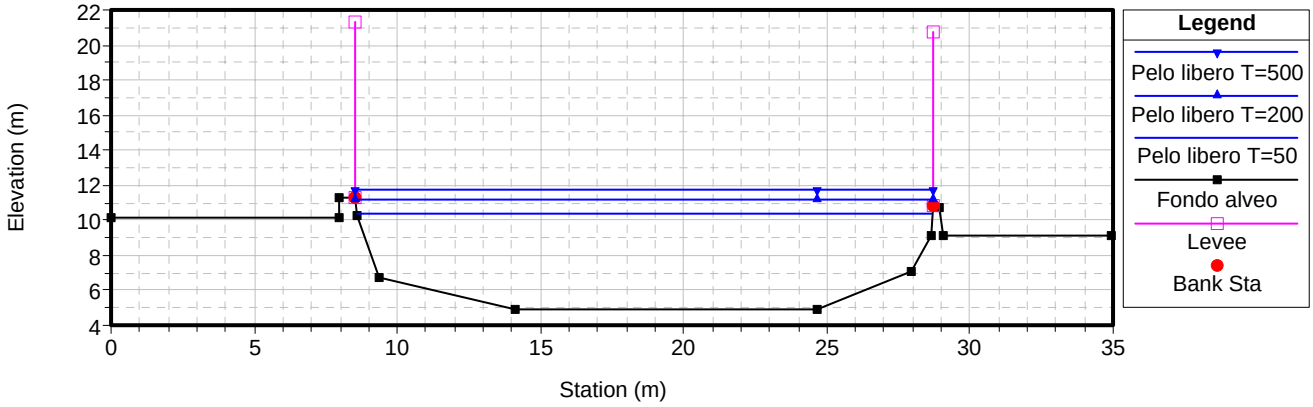
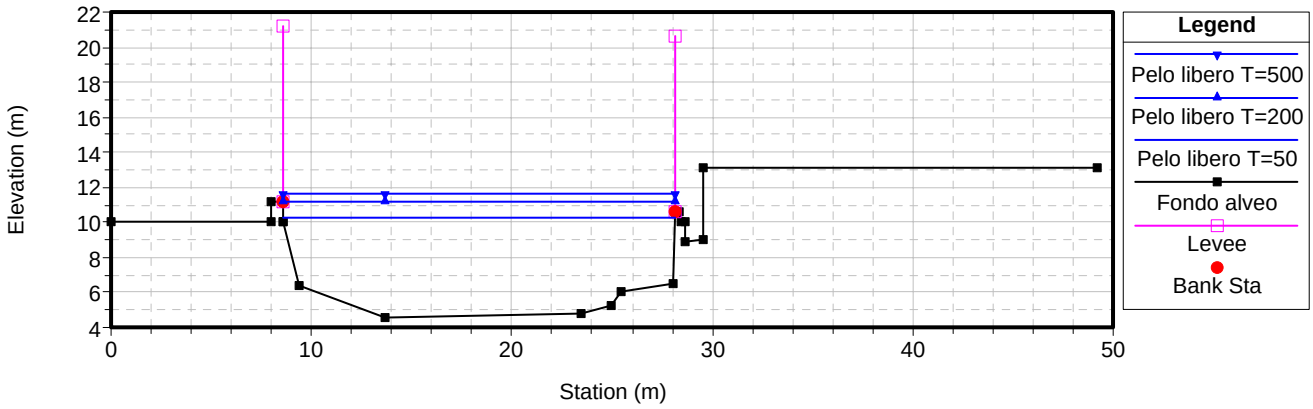


RS = 33



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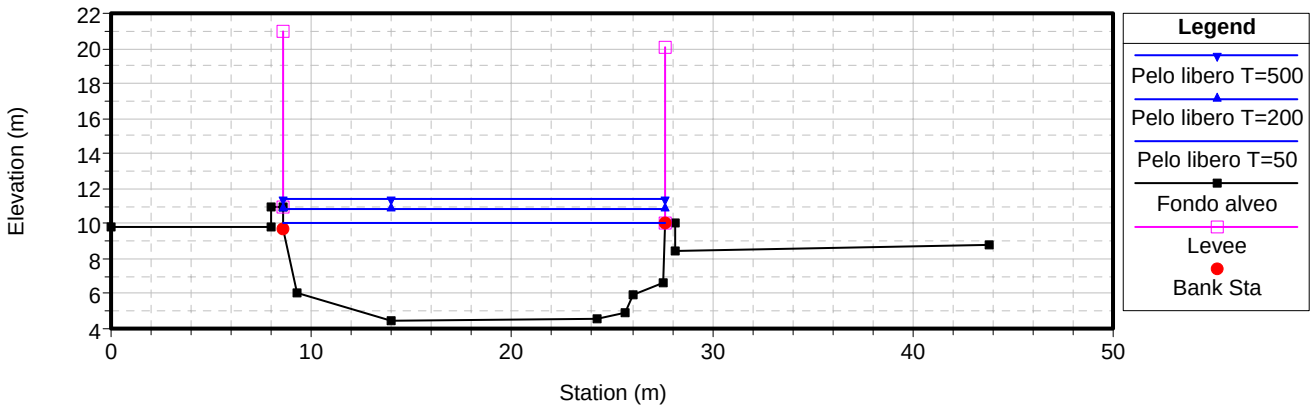

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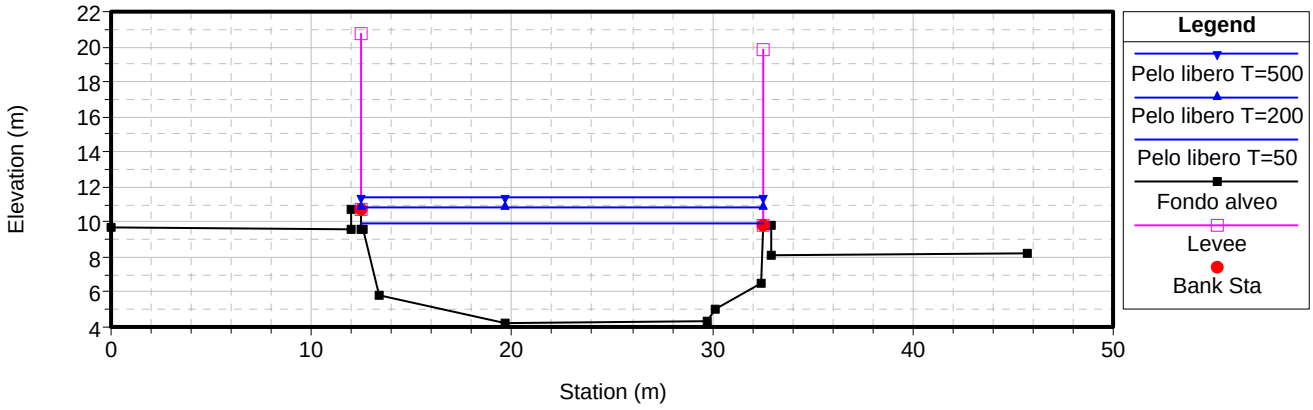
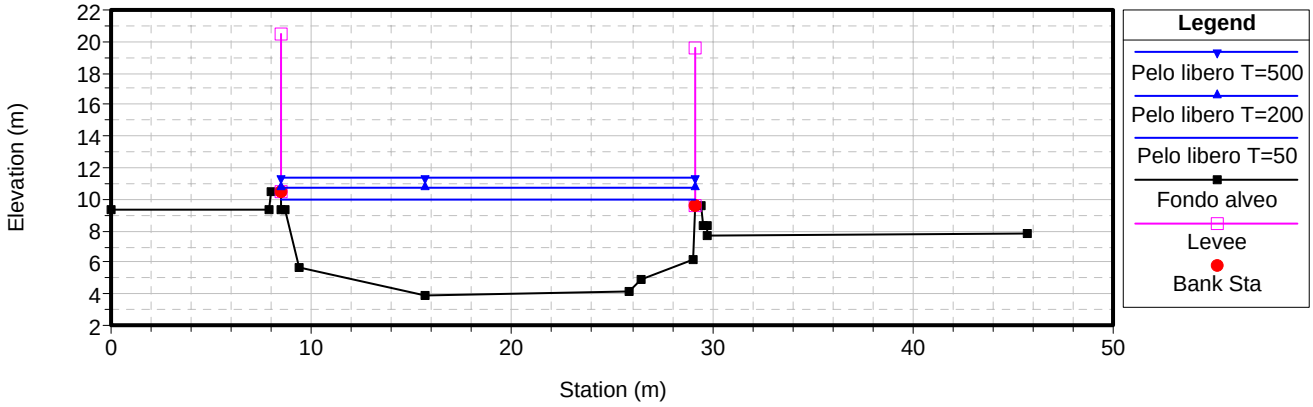
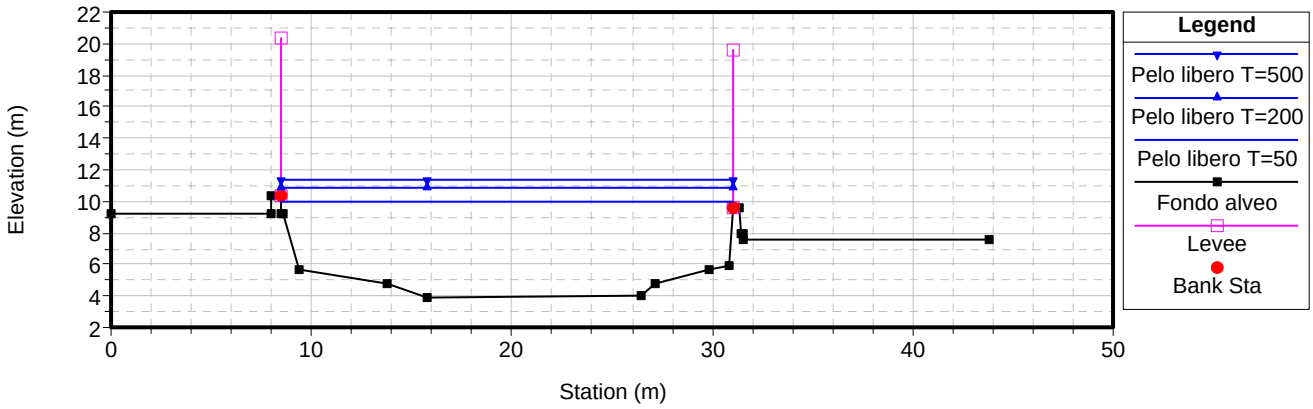


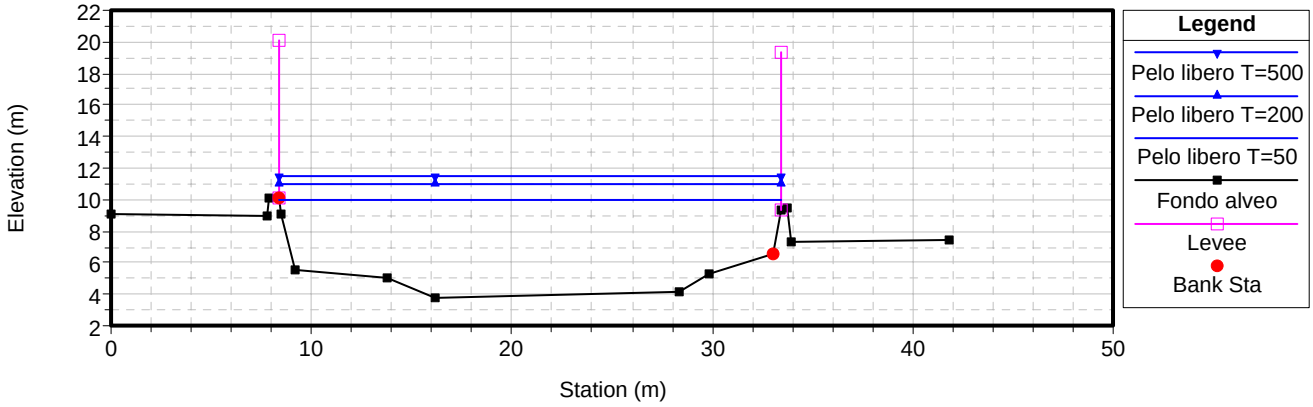
RS = 30



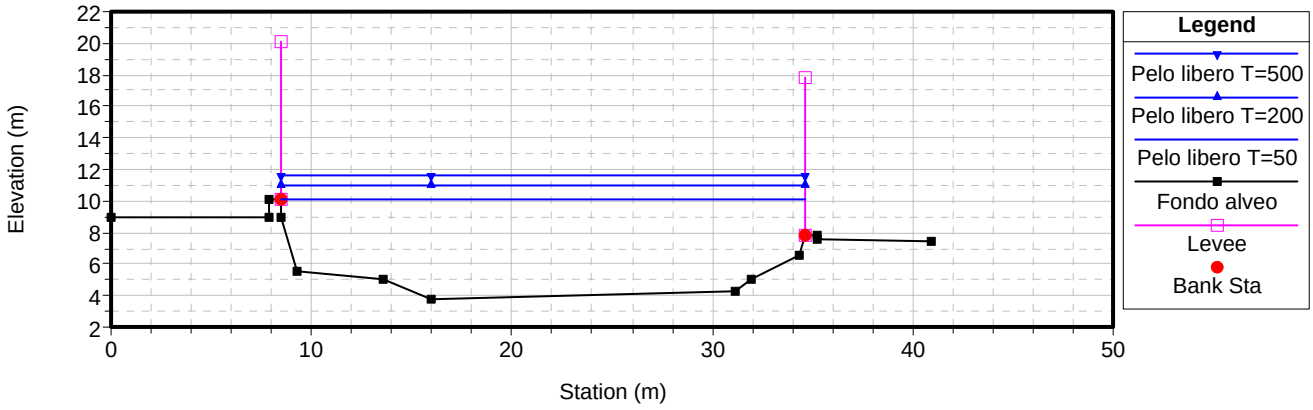
RS = 29



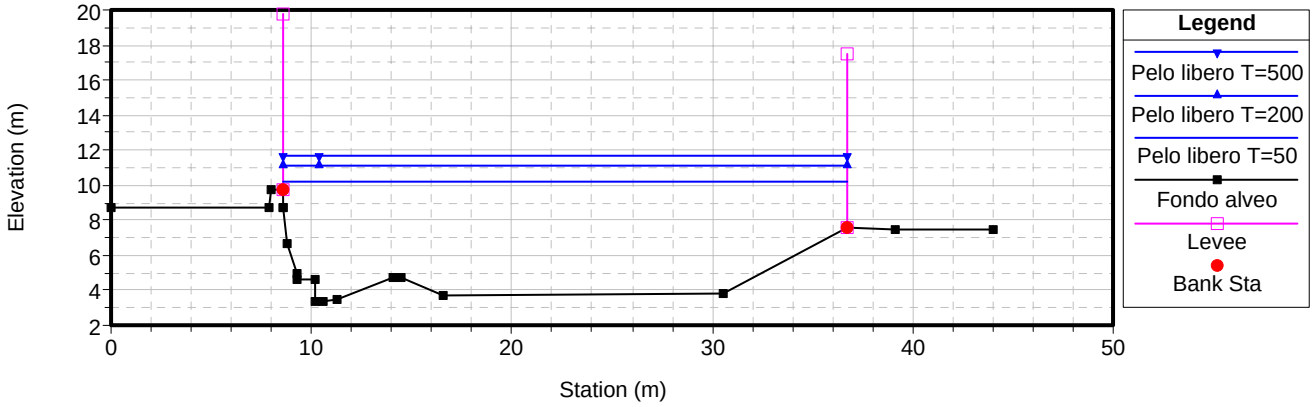
RS = 28



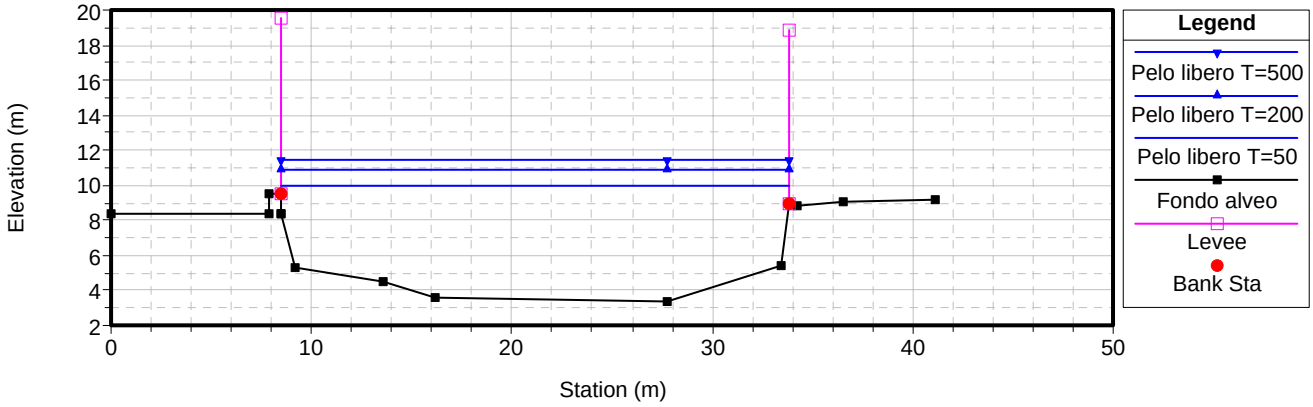
RS = 27



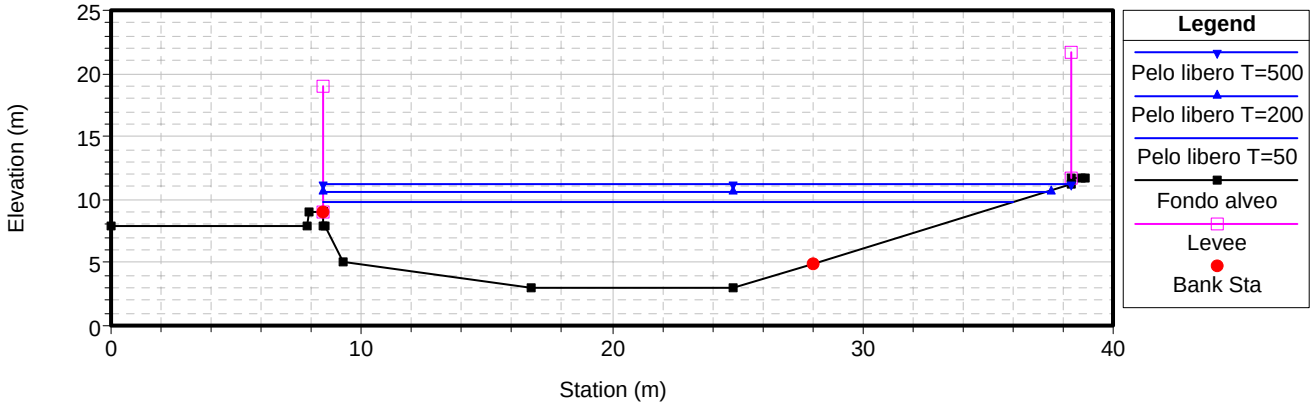
RS = 26



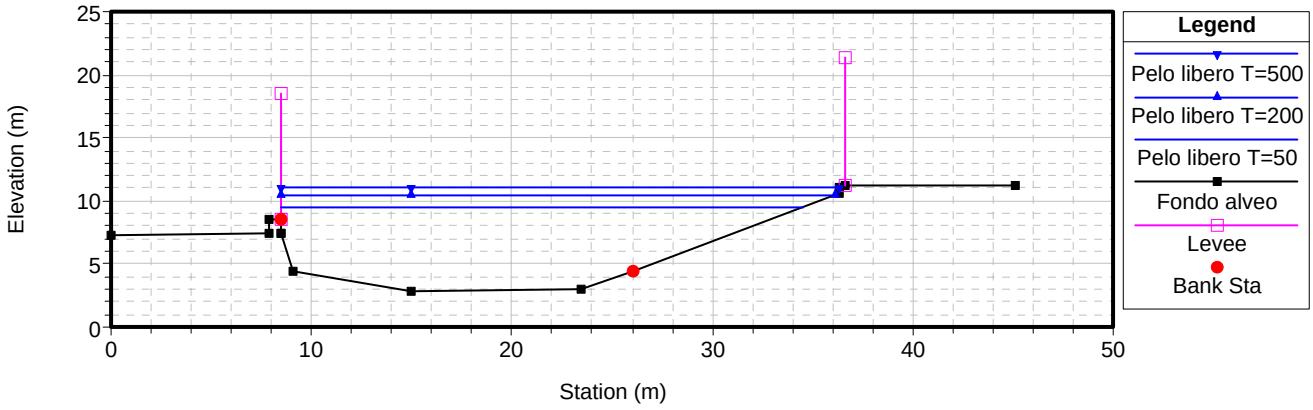
RS = 25



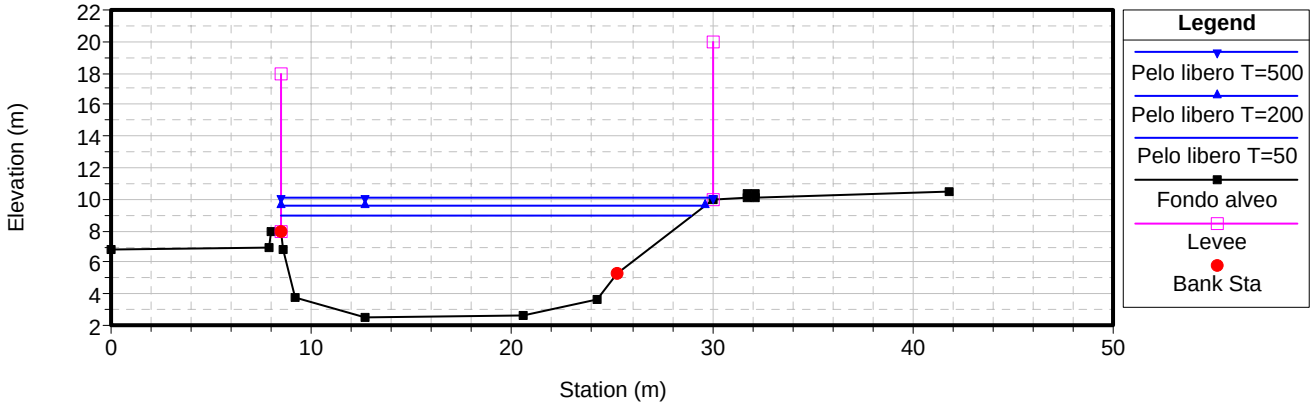
RS = 24



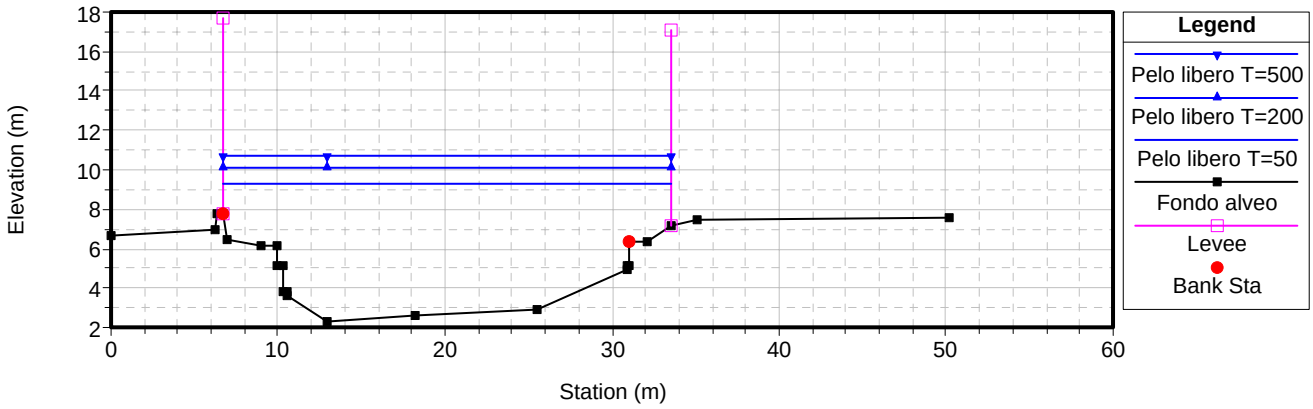
RS = 23



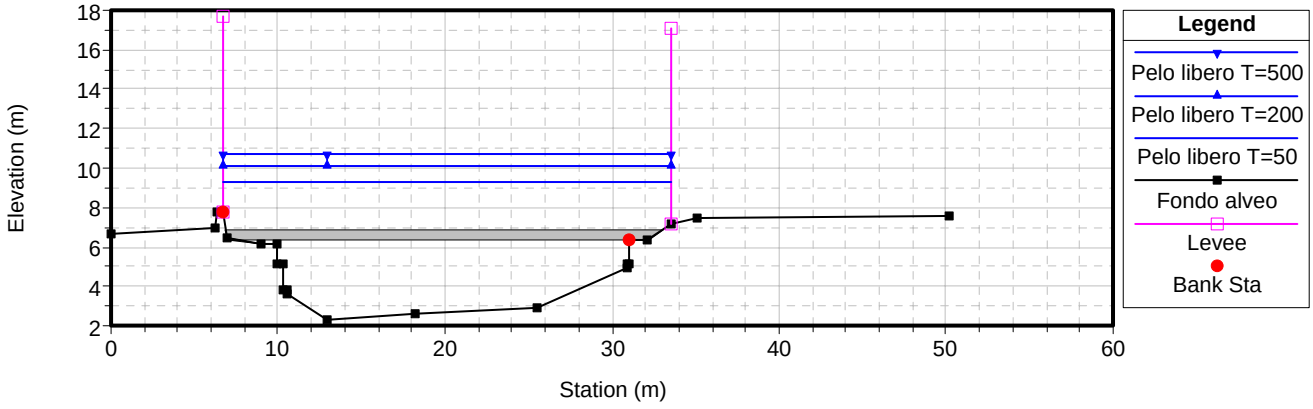
RS = 22



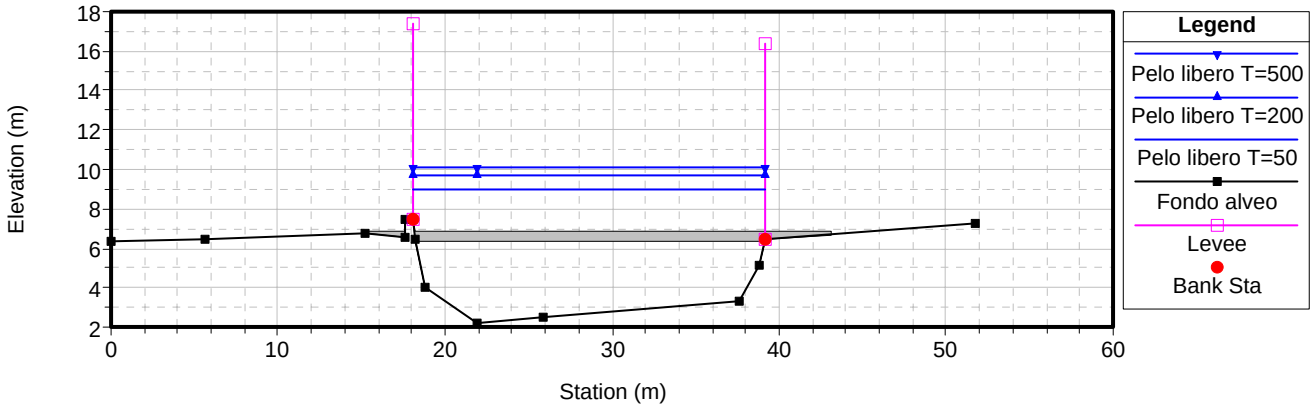
RS = 21



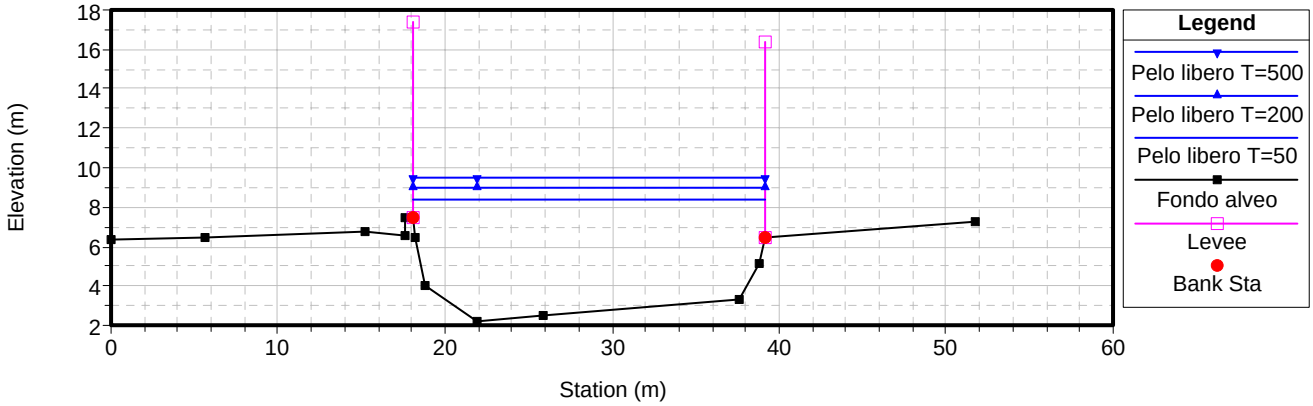
RS = 20.5 BR



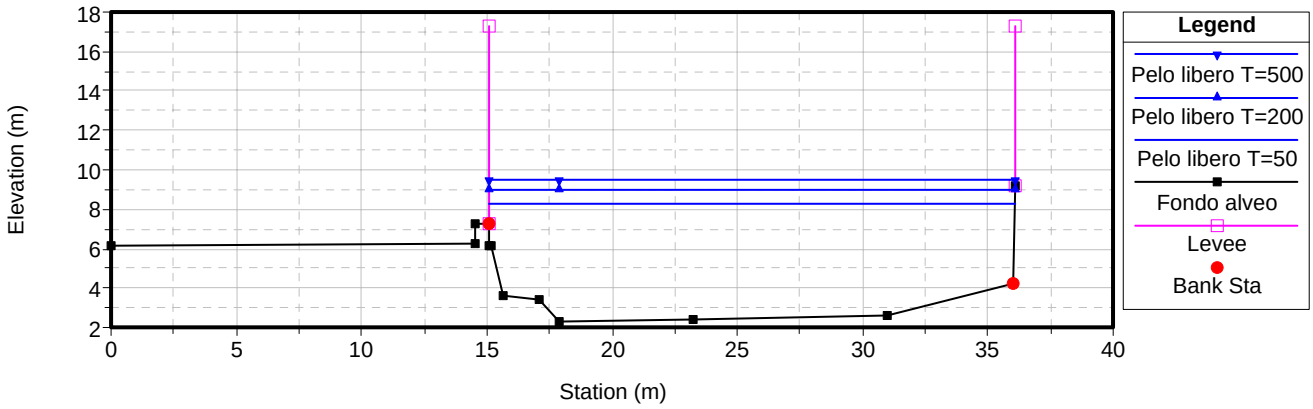
RS = 20.5 BR



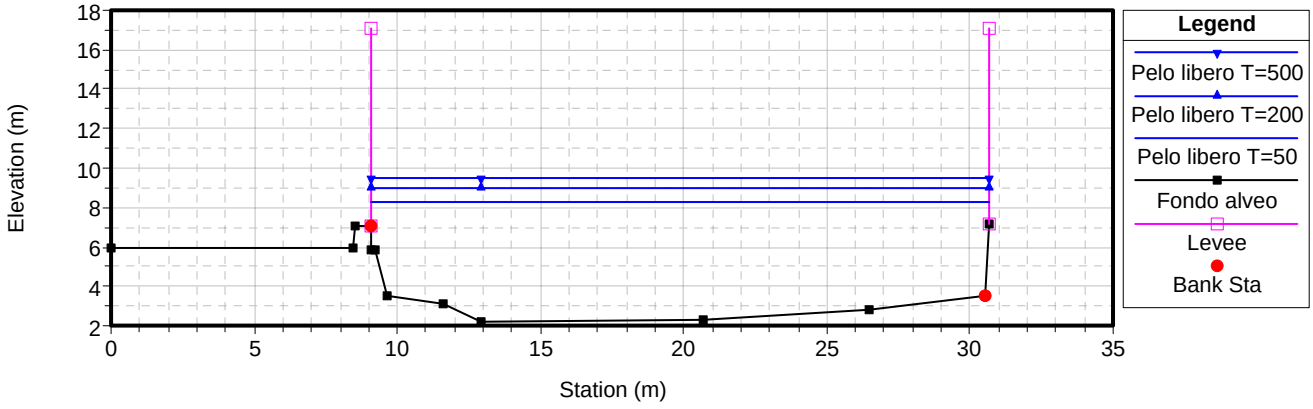
RS = 20



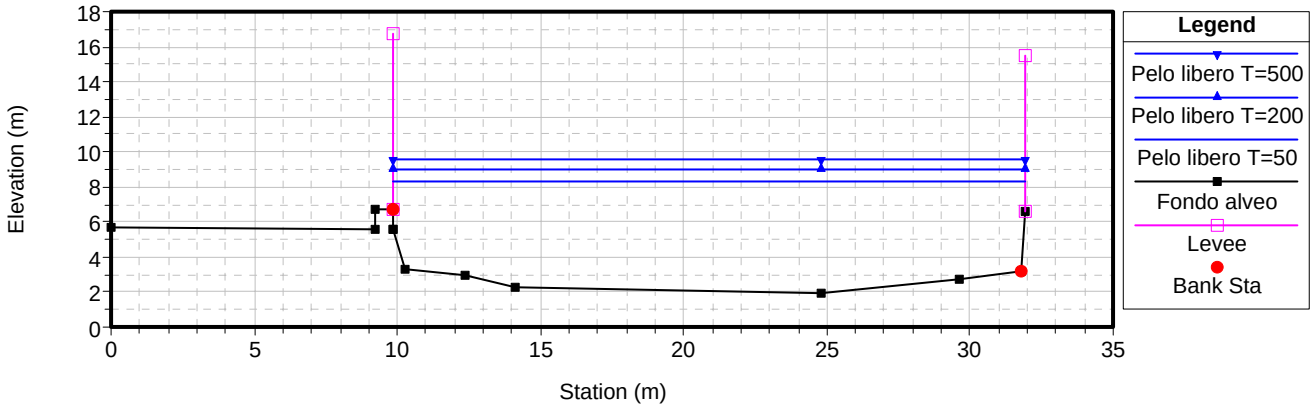
RS = 19



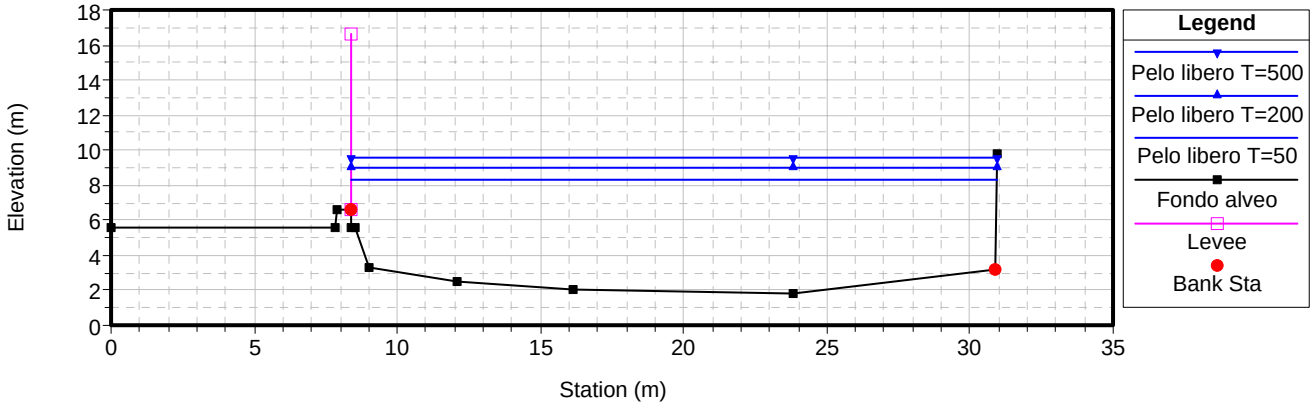
RS = 18



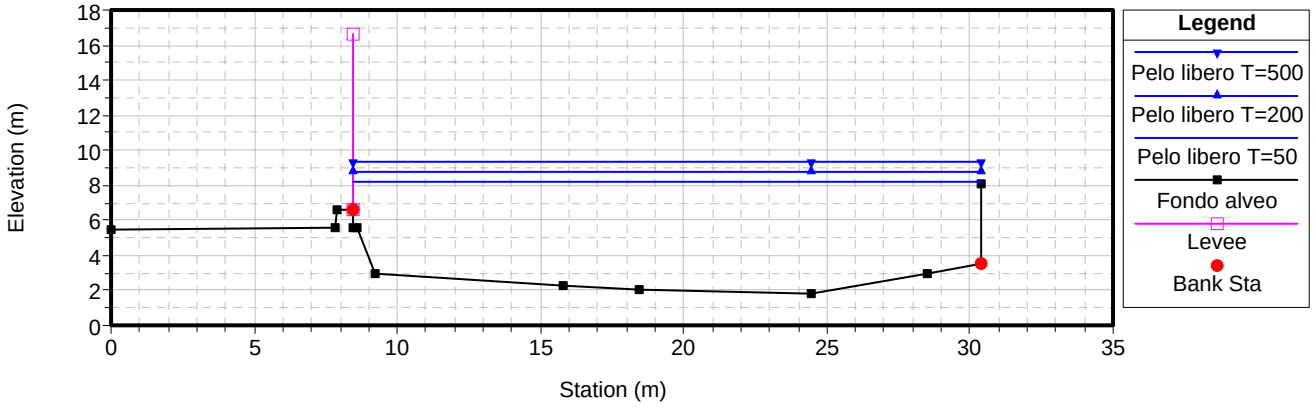
RS = 17



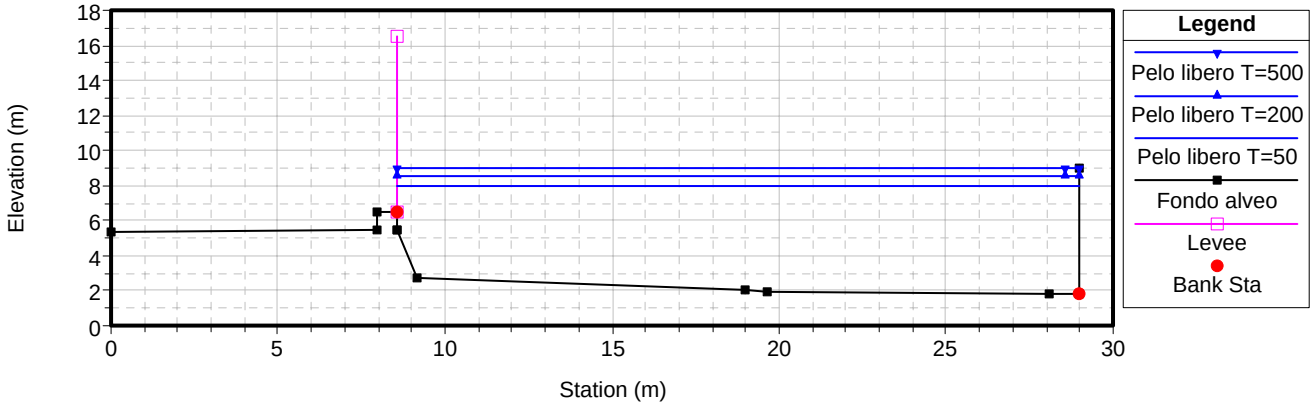
RS = 16



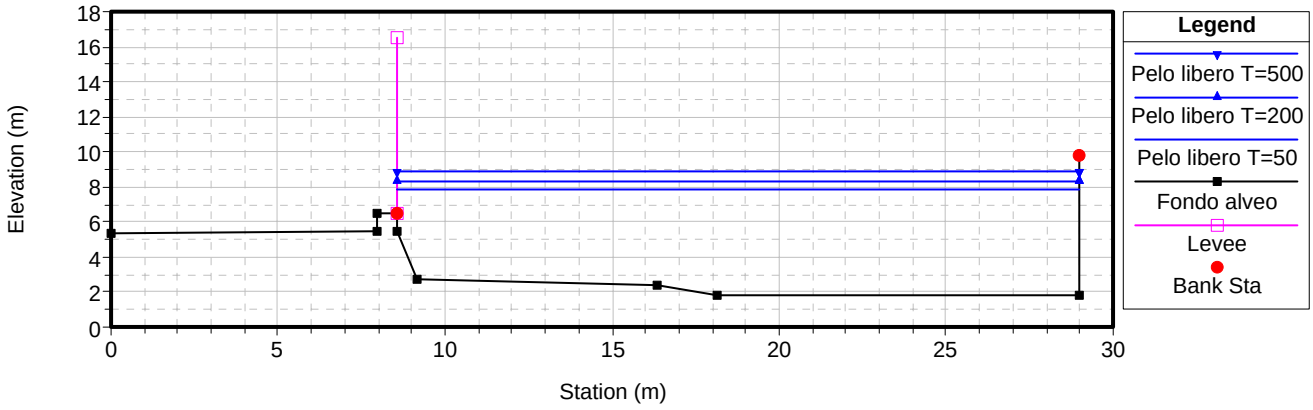
RS = 15



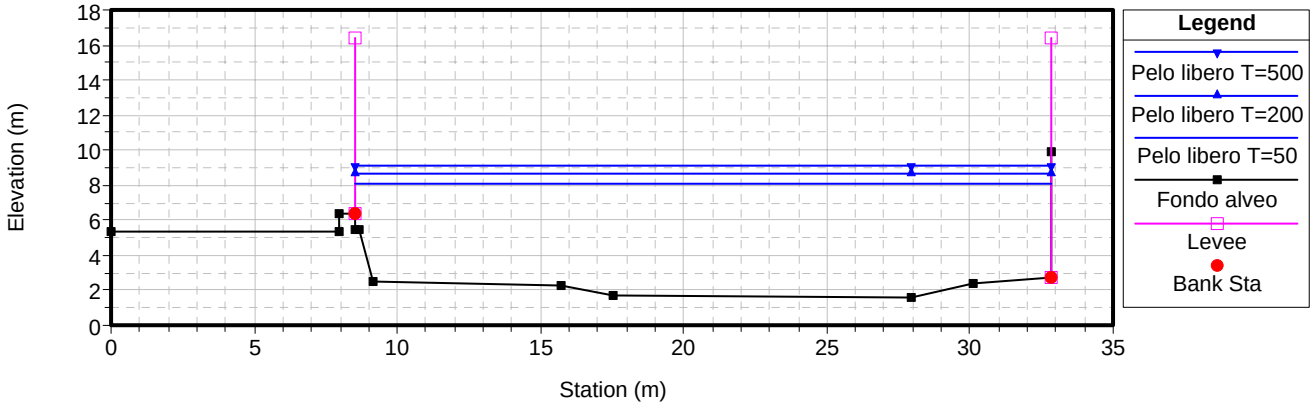
RS = 14



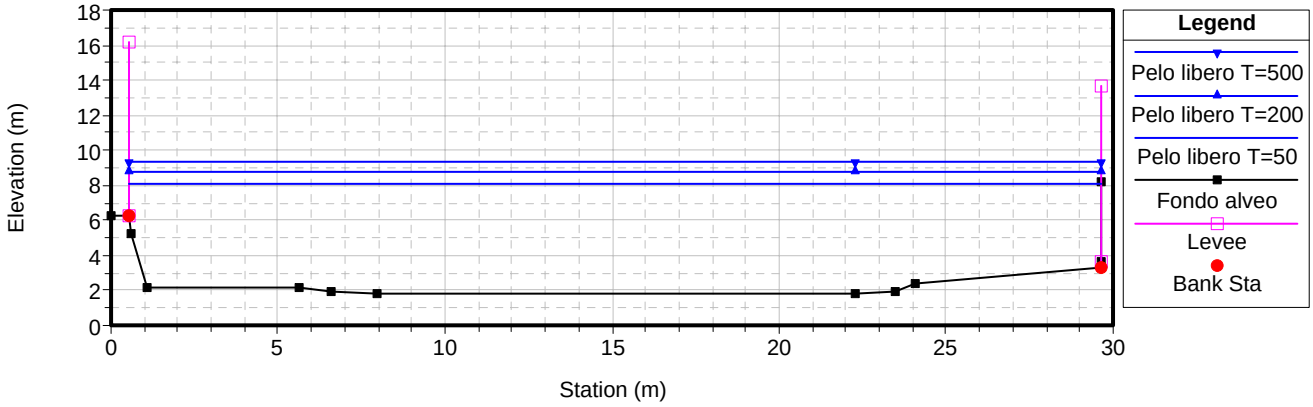
RS = 13



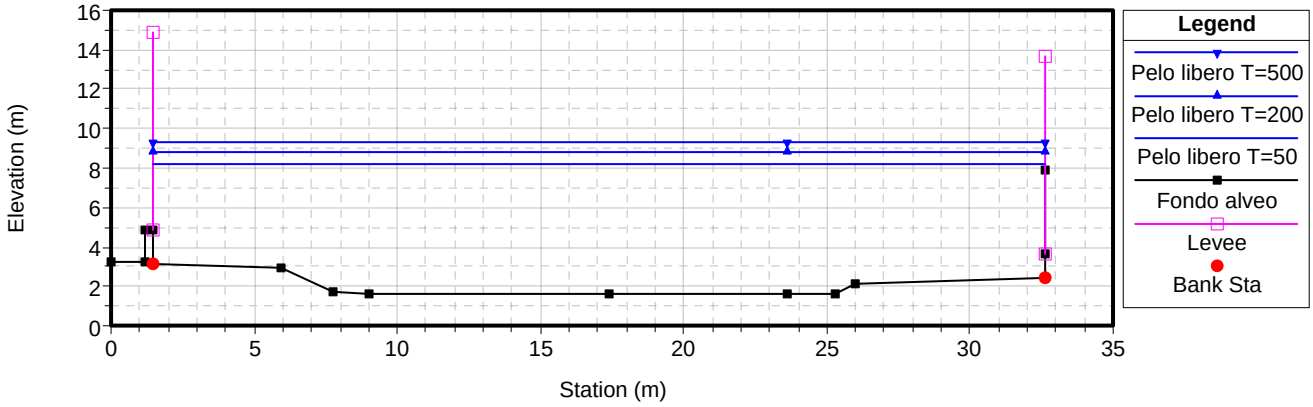
RS = 12



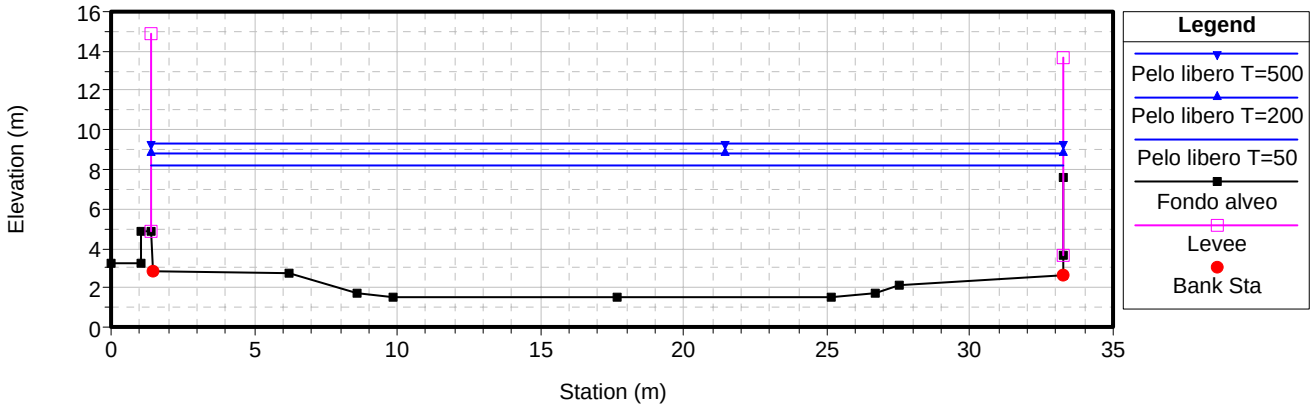
RS = 11



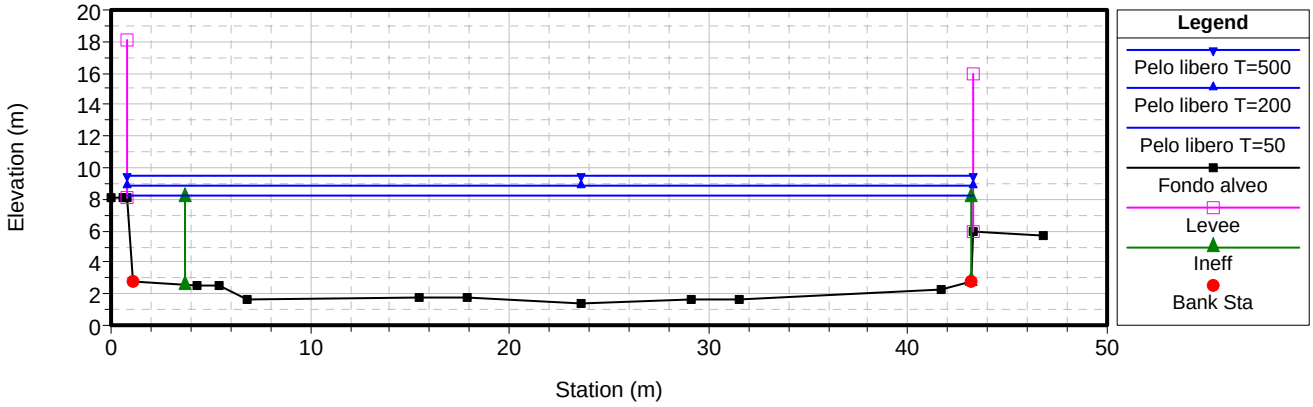
RS = 10



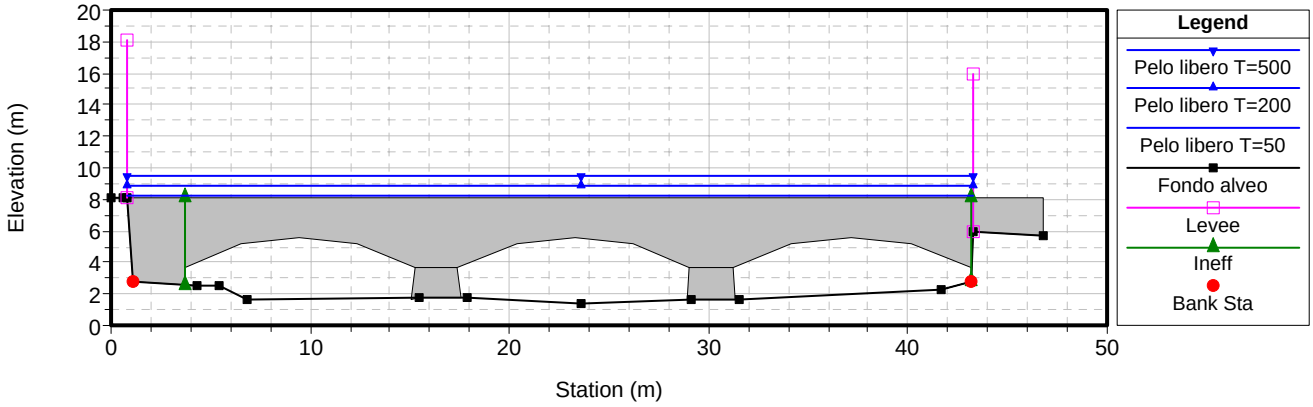
RS = 9



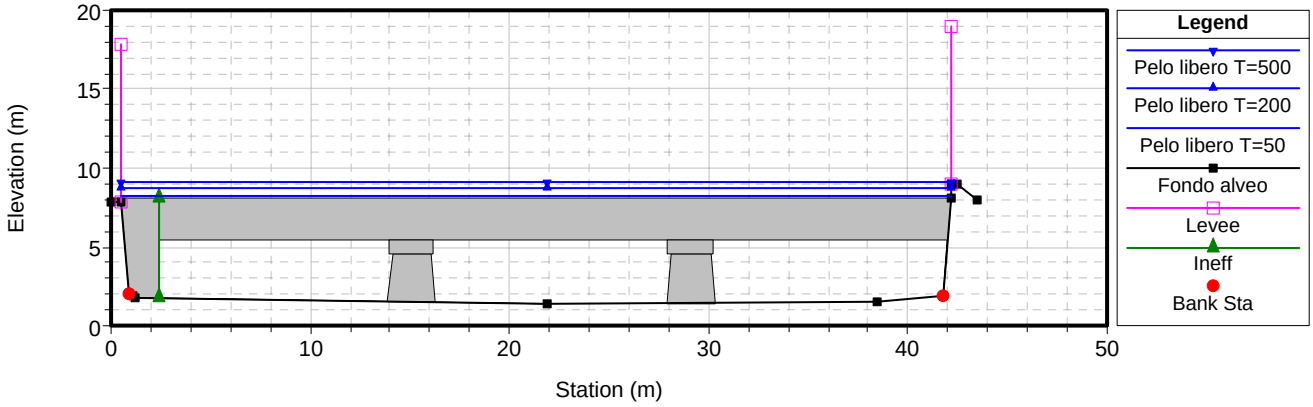
RS = 8



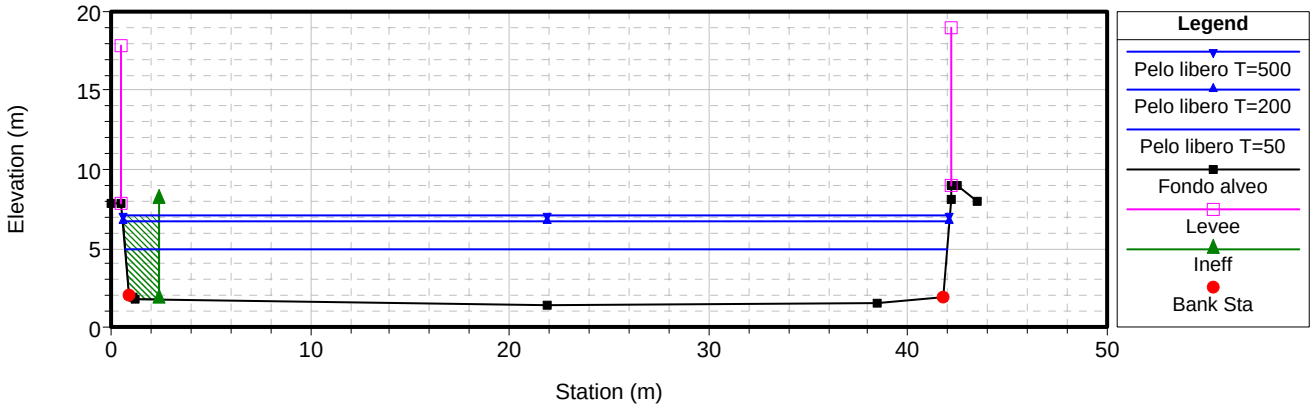
RS = 7.5 BR



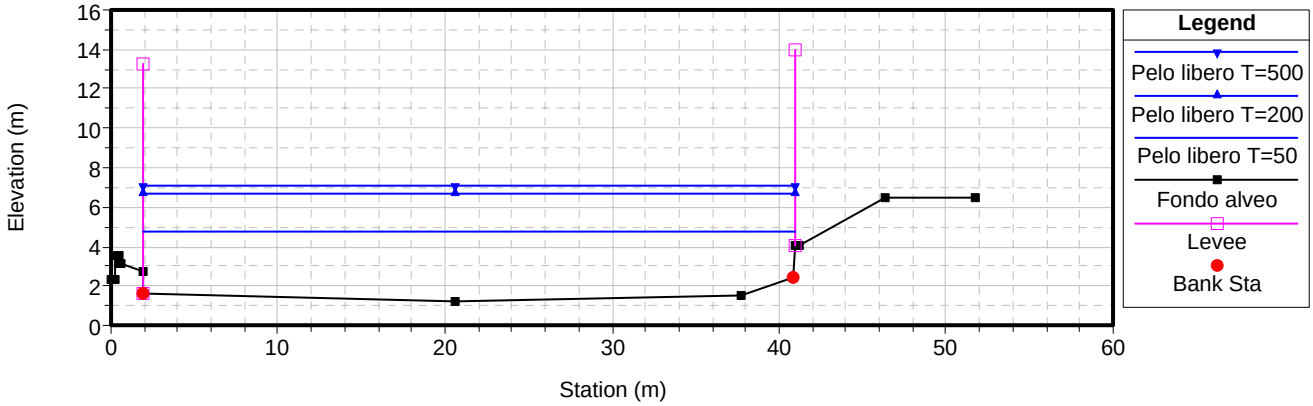
RS = 7.5 BR



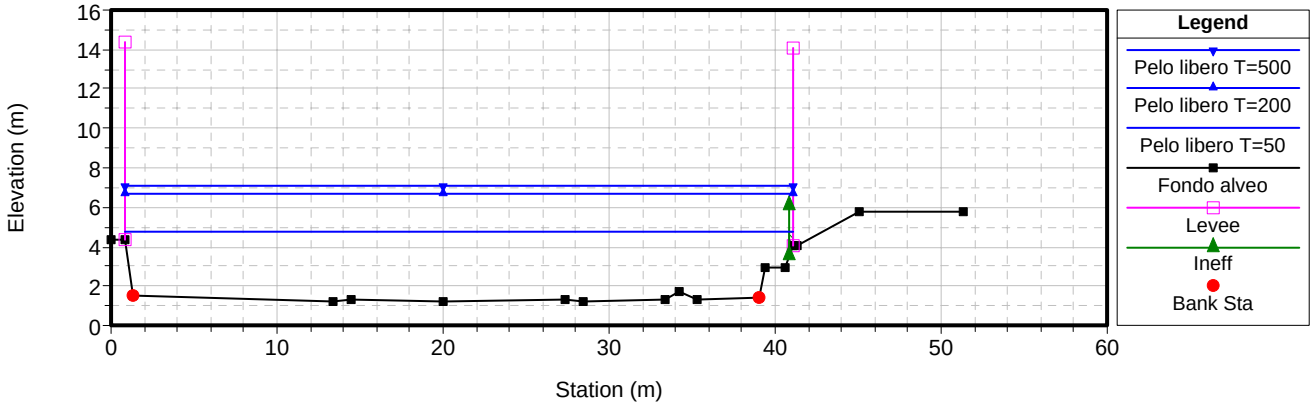
RS = 7



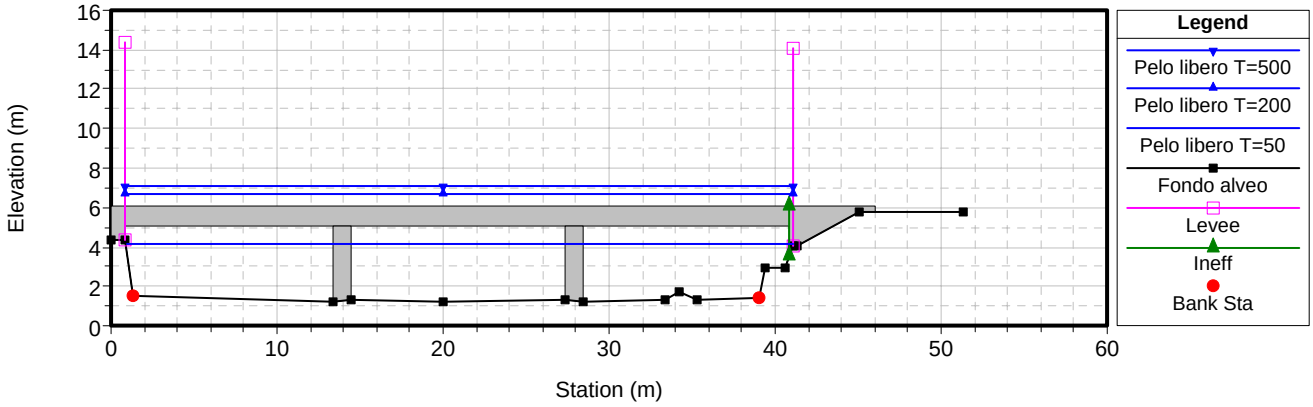
RS = 6



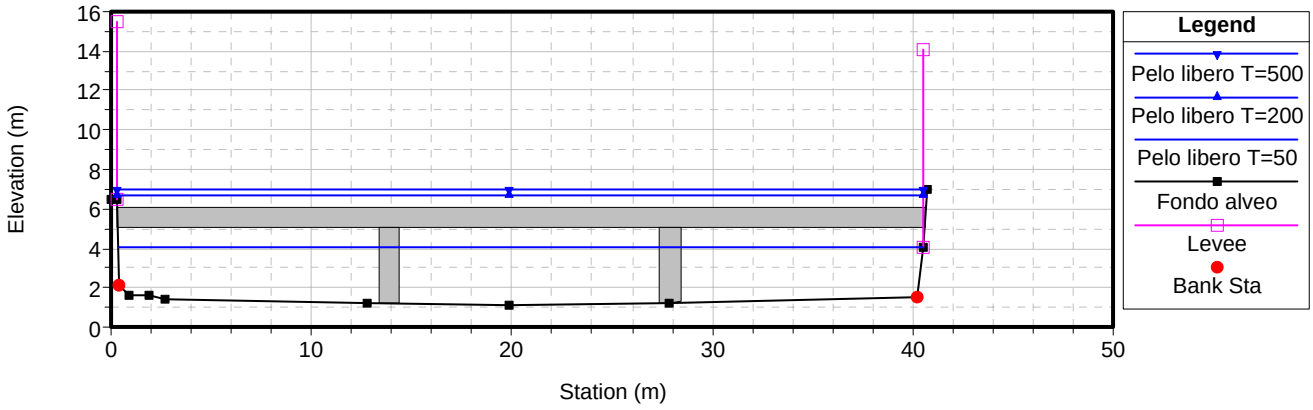
RS = 5



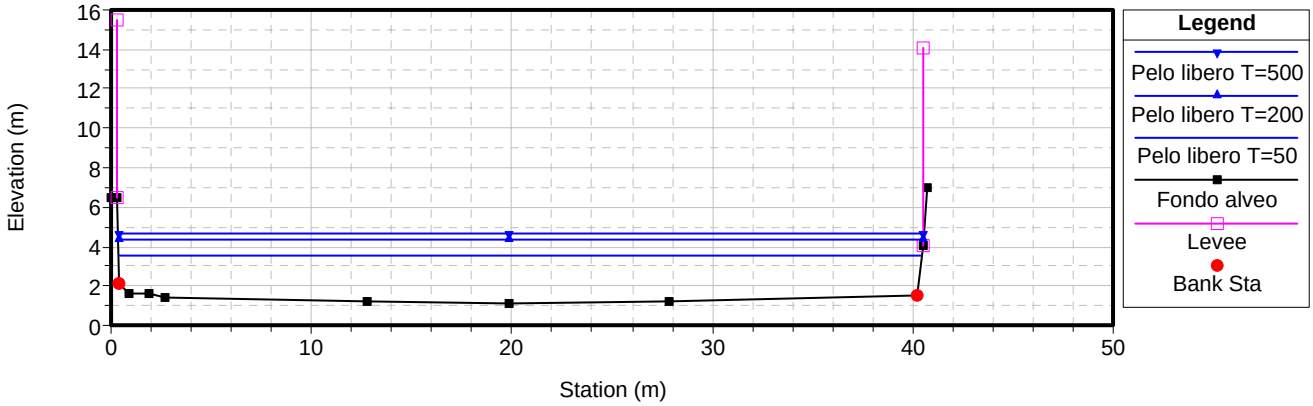
RS = 4.5 BR



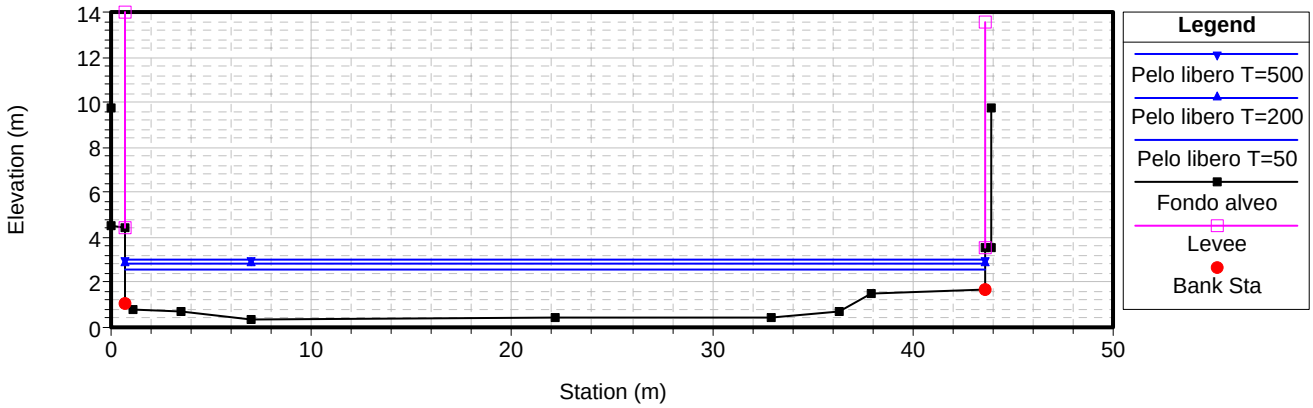
RS = 4.5 BR



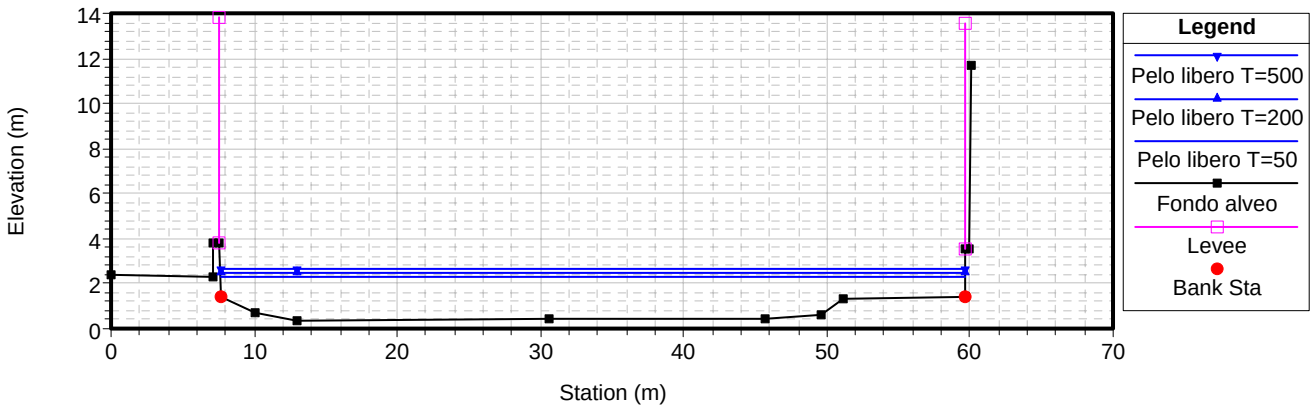
RS = 4



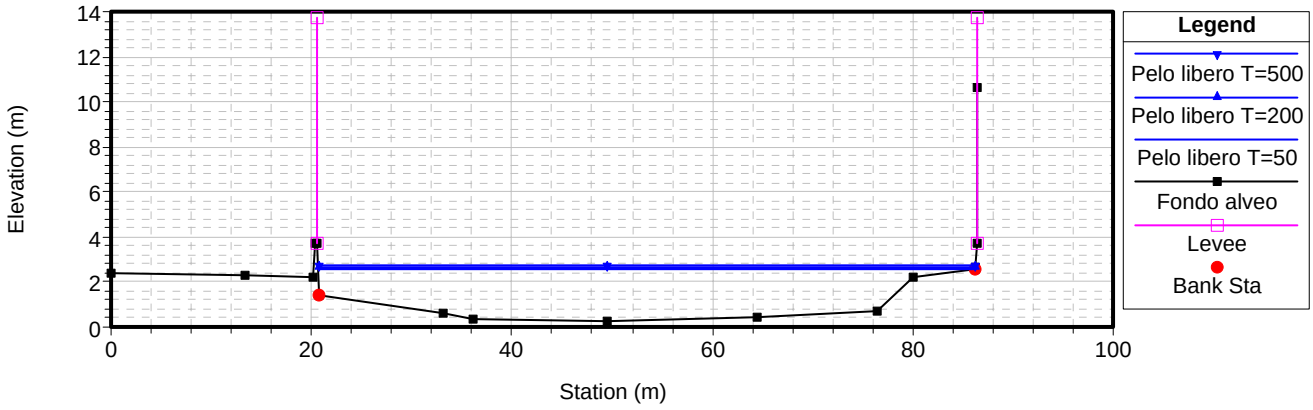
RS = 3



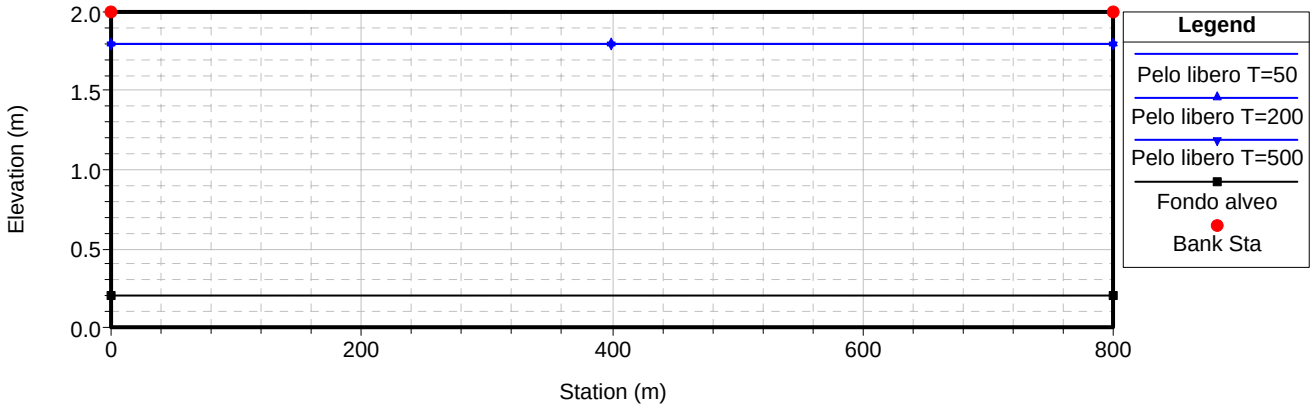
RS = 2



RS = 1


Elevation (m)
Station (m)
Legend
Pelo libero T=500
Pelo libero T=200
Pelo libero T=50
Fondo alveo
Levee
Bank Sta

RS = 0.1


Elevation (m)
Station (m)
Legend
Pelo libero T=50
Pelo libero T=200
Pelo libero T=500
Fondo alveo
Bank Sta

MODELLAZIONE IDRAULICA IN CONDIZIONI DI MOTO PERMANENTE:
TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE PER LE PORTATE T=50, 200, 500 ANNI

PORA

Torrente Pora - T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
360	236	112.2	118.2	118.2	115.38	115.38	116.26	4.16	56.78	1.01
359.5	236	102.5	118.2	118.2	102.99	104.3	115.07	15.4	15.33	6.99
359	236	100.85	104.85	106.35	103.14	103.14	104.13	4.41	53.49	1
358.5	236	94	104	104	96.29	97.97	103.48	11.88	19.86	3.11
358	236	85.2	88.9	90.2	91.62	87.97	91.77	1.71	138	0.23
357.8	236	81.2	88.7	90.2	91.69	84.08	91.74	1.04	227.8	0.11
357.7	236	79	86.5	88	91.6	83.33	91.71	1.53	154.68	0.15
357.5	236	78.8	85.8	85.8	90.02	86.92	91.56	5.5	42.87	0.56
357.4	Bridge									
357.3	236	78.2	85.8	85.8	86.99	86.99	90.34	8.1	29.13	1
357.2	236	73.4	77.5	78.5	75.6	77.16	81.32	10.59	22.29	2.49
357	236	70	77.5	76.5	73	75.04	81	12.53	18.84	2.82
356	236	68	76.3	73.3	72.35	72.35	73.87	5.47	43.17	1
355	236	59	64.5	68.7	60.13	60.88	62.77	7.19	32.81	2.36
354.8	236	58	64.5	68.7	58.84	59.74	62.56	8.56	27.58	3.01
354.6	312	53.93	58.76	59.41	58.04	57.63	58.72	3.66	85.35	0.76
354.4	312	52.28	61.33	62.25	58.18	56.39	58.55	2.69	115.87	0.43
354.3	Bridge									
354.2	312	52.28	61.33	62.25	55.5	56.38	58.35	7.48	41.7	1.81
354.1	312	53.12	57.49	57.72	56.69	56.69	58.02	5.1	61.14	1
353.4	312	50.86	54.58	54.48	54.25	54.52	55.92	5.74	54.36	1.17
353.2	312	50.9	52.72	53.32	52.93	53.54	55.11	6.54	47.73	1.51
352.2	312	50.25	52.69	52.61	52.29	52.83	54.28	6.25	49.88	1.45
352	312	50.18	52.69	52.36	52.06	52.51	53.74	5.75	54.25	1.44
351.8	312	48.94	53.53	52.12	52.39	51.07	52.77	2.72	114.78	0.47
351.6	312	48.22	53.3	51.46	52.46	50.38	52.69	2.13	146.51	0.34
351.4	312	48.2	52.25	51.44	51.99	50.79	52.57	3.36	92.76	0.56
351.2	312	48	52.56	52.31	51.45	51.09	52.51	4.55	68.54	0.83
351.1	Bridge									
351.05	312	48	52.56	52.31	51.09	51.09	52.45	5.17	60.39	1
351	312	48	51.94	52.3	49.93	50.62	52.31	6.83	45.66	1.59
350.8	312	48.05	51.54	50.72	50.64	50.64	51.88	4.95	63.09	1
350.6	312	46.77	51.07	49.63	48.31	49.09	50.91	7.14	43.68	1.9
350.4	312	46.28	50.8	48.63	49.45	48.76	50.16	3.75	83.1	0.68
350.2	312	46.2	52.99	48.49	48.58	48.58	49.68	4.64	67.17	1
350	374	45.3	51.9	48.2	47.65	47.94	49.21	5.52	67.71	1.19
349.8	374	44.7	51.67	48.1	47.02	47.58	49.02	6.28	59.6	1.43
349.6	374	43.34	50.22	48.6	47.83	46.18	48.21	2.73	137.2	0.45
349.4	374	42.55	49.29	47.62	46.9	46.17	47.97	4.58	81.68	0.76
349.2	374	42.5	48.92	46.57	46.81	45.97	47.7	4.18	89.42	0.71
349	374	41.82	47.94	45.52	45.57	45.5	47.14	5.55	67.42	0.99
348.8	374	41.51	45.4	45.36	45.65	44.96	46.45	3.95	94.58	0.71
348.6	374	40.75	45.43	45.47	45.5	44.24	46.16	3.58	104.36	0.57
348.4	374	40.75	45.94	45.47	45.56	43.98	46.12	3.31	112.87	0.51
348.3	Bridge									
348.2	374	40.75	45.94	45.47	45.48	43.98	46.06	3.37	110.94	0.52
348	374	40.26	44.24	44.8	44.27	44.27	45.88	5.64	66.34	1
347.8	374	39.57	43.73	45.07	43.65	43.94	45.52	6.05	61.77	1.15
347.6	374	39.36	43.8	42.71	43.59	43.59	45.08	5.4	69.3	1
347.4	374	39.32	45.48	42.4	41.69	42.47	44.27	7.12	52.52	1.71
347.2	374	39	45.15	42.33	42.37	42.37	43.74	5.18	72.17	1

Torrente Pora - T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
347.1	374	39.01	44.82	42.18	41.66	42.01	43.33	5.73	65.29	1.24
347	374	38.34	44.8	41.72	41.46	41.46	42.75	5.03	74.34	1
346.4	374	31.52	35.72	35.72	36.02	34.25	36.3	2.33	160.81	0.38
346.3	Bridge									
346.2	374	31.52	35.72	35.72	35.76	34.25	36.07	2.5	149.43	0.43
345	374	28.59	32.59	33.59	34.17	33.1	35.07	4.21	88.92	0.65
305.2	374	27.59	32.2	31.98	33.85	31.41	34.27	2.89	129.53	0.42
305.1	Bridge									
305	374	27.59	32.2	31.98	32.75	31.41	33.46	3.74	100.12	0.62
304	374	27.58	31.44	31.63	32.76	31.26	33.44	3.65	102.35	0.55
303	374	27.25	31.47	31.86	31.53	31.53	33.33	5.94	62.97	1
302	374	27.47	30.96	30.4	29.8	30.79	33.16	8.11	46.09	1.76
301	374	25.67	30.24	30.73	27.58	28.97	32.95	10.27	36.42	2.67
300	374	25.65	30.2	30.38	28	29.06	31.58	8.39	44.57	1.94
299	374	25.37	30.09	30.34	28.59	29.12	30.68	6.4	58.4	1.37
298	374	24.63	30.14	30.16	28.14	28.77	30.45	6.74	55.53	1.47
297	374	24.81	28.85	28.53	28.68	28.94	30.34	5.7	65.61	1.16
296	374	24.78	28.58	28.43	28.06	28.5	30.11	6.34	58.96	1.27
295	374	24.21	28.72	30.77	27.43	28.07	29.67	6.63	56.44	1.53
294	374	23.78	28.2	30.99	28.41	27.9	29.42	4.45	84.11	0.79
293	374	23.72	28.11	30.41	28.44	27.54	29.31	4.14	90.3	0.69
292	374	22.93	29.78	30.34	28.48	27.18	29.21	3.78	98.97	0.6
291.5	Bridge									
291	374	22.87	30.51	30.33	28.25	27.34	29.16	4.24	88.2	0.7
290	374	22.72	29.41	28.94	27.42	27.42	29	5.57	67.15	1
289	374	22.96	28.54	27.68	26.16	26.85	28.73	7.1	52.66	1.42
288	374	22.76	27.66	27.29	26.05	26.59	28.29	6.63	56.43	1.34
287	374	22.64	27.02	26.77	25.97	26.45	28.05	6.4	58.46	1.28
286	374	21.6	25.96	26.25	26.85	25.67	27.61	3.87	97.04	0.61
285	374	21.29	25.6	26.49	26.24	25.77	27.49	4.96	75.38	0.84
284	374	21.24	26.07	26.01	25.76	25.56	27.33	5.55	67.38	0.93
283.5	Bridge									
283	374	21.23	25.55	26.06	25.25	25.53	27.26	6.28	59.52	1.12
282	374	21.08	24.13	24.39	24.49	25.37	27.1	7.17	53.15	1.36
281	374	20.76	23.2	22.71	25.92	24.73	26.38	3.29	134.11	0.49
280	374	20.54	22.76	22.42	26.1	24.24	26.33	2.41	182.59	0.35
279	374	19.75	23.81	25.41	24.95	24.31	26.22	4.98	75.09	0.78
278	374	19.67	23.73	24.48	25.21	24.16	26.08	4.17	92.64	0.63
277	374	19.58	24.03	24.05	25.02	23.82	26	4.4	84.98	0.65
276	374	19.34	23.94	24.09	24.63	24.12	25.93	5.05	74	0.81
275	374	19.12	23.35	23.91	24.96	23.68	25.81	4.09	91.54	0.61
274	374	19.22	23.12	23.74	24.64	23.68	25.68	4.52	82.82	0.69
273.5	Bridge									
273	374	19.17	23.39	23.65	23.61	23.61	25.31	5.78	64.73	1
272	374	18.86	23.12	22.59	22.37	23.08	25	7.18	52.06	1.43
271	374	18.67	22.86	23.22	23.58	22.73	24.62	4.51	82.9	0.71
270	374	18.27	22.03	20.8	23.57	22.36	24.49	4.27	88.32	0.63
269	374	18.06	21.59	21.21	23.23	22.49	24.4	4.82	79.59	0.73
268	374	17.7	21.48	21.55	23.47	22.1	24.25	3.92	97.51	0.58
267	374	17.49	21.06	20.98	23.27	21.89	24.16	4.18	89.43	0.61
266.5	Bridge									

Torrente Pora - T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
266	374	17.47	20.96	21.09	21.83	21.83	23.47	5.7	66.66	0.97
265	374	17.27	20.95	20.78	22.24	21.47	23.2	4.33	86.46	0.71
264	374	16.97	20.7	19.93	22.52	21.16	23.1	3.45	113.95	0.52
263	374	16.55	20.93	19.64	22.02	21.23	23.01	4.59	87.72	0.66
262	374	16.25	20.74	19.7	22.15	20.87	22.9	3.95	100.13	0.56
261	374	16.05	19.75	19.5	22.44	20.16	22.82	2.71	138.07	0.39
260.5	Bridge									
260	374	16.04	19.74	19.24	21.99	19.95	22.38	2.78	134.45	0.41
259	374	15.73	19.01	20.64	21.8	20.2	22.33	3.36	118.84	0.48
258	374	15.38	18.86	19.91	21.75	19.77	22.27	3.26	119.95	0.45
257	374	14.89	18.41	17.6	21.71	19.24	22.21	3.15	119.74	0.42
256	374	14.5	18.06	18.82	21.41	19.29	22.14	3.8	98.32	0.51
255.5	Bridge									
255	374	14.49	18.11	18.61	20.35	19.44	21.34	4.44	86.21	0.68
254	374	13.98	17.12	17.78	20.51	18.75	21.22	3.75	100.23	0.53
253	374	13.64	17.3	16.89	20.5	18.38	21.15	3.57	105.68	0.49
252	374	13.45	17.29	17.63	20.41	18.19	21.08	3.62	103.32	0.48
251.5	Bridge									
251	374	13.43	17.28	17.58	19.63	18.1	20.47	4.05	92.26	0.58
250	374	13.33	16.94	16.92	19.87	17.76	20.4	3.22	117.25	0.45
249.5	Bridge									
249	374	13.33	16.78	17.73	19.17	17.86	19.9	3.77	99.15	0.58
248	374	13.11	16.24	16.65	19.3	17.28	19.8	3.16	119.46	0.45
247	374	12.6	15.74	15.59	19.24	17	19.75	3.17	118.22	0.44
246	374	12.36	15.71	14.59	19.23	16.84	19.72	3.21	127.62	0.42
245.5	Bridge									
245	374	12.35	15.81	14.79	18.91	16.83	19.45	3.37	117.94	0.46
244	374	12.13	15.03	15.12	18.79	16.53	19.41	3.55	113	0.47
243	374	11.9	14.41	14.52	18.81	16.27	19.38	3.37	116.78	0.44
242	374	11.78	14.89	15.19	18.71	16.32	19.36	3.57	104.82	0.47
241.5	Bridge									
241	374	11.73	15.5	15.23	17.91	16.36	18.6	3.77	105.02	0.53
240	374	11.47	14.49	15.07	17.75	15.97	18.53	3.9	96.04	0.54
239.1	374	11.34	14.92	14.97	17.7	15.79	18.47	3.89	96.24	0.53
239.05	Bridge									
239	374	11.33	14.87	14.96	16.49	15.81	17.76	4.99	74.99	0.77
238	374	11.14	14.59	14.57	16.03	15.71	17.6	5.56	67.21	0.88
237	374	11.11	14.11	14.48	15.9	15.9	17.45	5.68	71.3	0.9
236	374	11.01	13.82	12.6	14.51	15.09	17.05	7.07	53.08	1.31
235	374	10.82	13.82	11.83	15.27	14.76	16.67	5.26	71.43	0.82
234	374	10.45	13.59	12.04	15.31	14.5	16.52	4.88	77.29	0.74
233	374	10.38	13.55	11.93	15.3	14.47	16.5	4.86	77.01	0.74
232	374	10.12	12.97	11.93	15.49	14.12	16.37	4.15	91.06	0.6
231	374	9.88	12.81	11.43	15.38	13.94	16.3	4.25	89.13	0.6
230	374	9.68	12.67	11.44	15.32	13.79	16.23	4.25	91.28	0.59
229	374	9.4	13.15	11.17	15.51	13.42	16.16	3.58	104.83	0.49
228	374	9.25	13.08	10.88	15.47	13.28	16.12	3.57	105.21	0.48
227	374	9.08	13.04	10.84	15.43	13.14	16.09	3.58	104.62	0.47
226	374	8.99	12.97	11.53	15.36	13.19	16.05	3.68	101.91	0.49
225	374	8.97	12.99	12.03	15.45	13.09	16.03	3.38	110.75	0.45
224	374	8.77	12.56	11.63	15.46	12.85	15.99	3.21	116.89	0.42

Torrente Pora - T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
223	374	8.67	12.54	10.95	15.5	12.58	15.96	3.03	123.54	0.39
222	374	8.5	12.56	11.64	15.47	12.61	15.94	3.03	123.66	0.39
221	374	8.47	12.53	11.7	15.4	12.56	15.91	3.15	121.27	0.4
220	374	8.46	12.56	11.3	15.4	12.55	15.89	3.09	120.9	0.4
219	374	8.14	13.53	13.49	15.34	12.14	15.85	3.17	117.88	0.39
218.5	Bridge									
218	374	8.11	12.48	12.57	12.55	12.1	13.92	5.19	72.12	0.84
217	374	8.1	10.45	11.59	12.43	12.11	13.84	5.34	72.78	0.85
216	374	7.85	10.18	10.13	12.76	11.86	13.74	4.53	89.32	0.68
215	374	7.63	9.68	9.91	12.62	11.73	13.66	4.61	85.52	0.7
214	374	7.25	9.25	9.75	12.64	11.49	13.55	4.41	94.3	0.64
213	374	6.76	9.63	9.74	13.04	11.33	13.49	3.23	134.44	0.44
212.5	Bridge									
212	374	6.95	9.65	9.94	12.89	11.32	13.38	3.35	128.51	0.47
211	374	7.08	9.22	10.05	12.72	11.28	13.36	3.77	111.4	0.54
210	374	7.09	9.24	10.25	12.66	11.15	13.35	3.81	107.54	0.54
209	374	7.09	9.15	9.86	12.45	11.11	13.3	4.22	96.48	0.6
208	374	7.06	9.09	12.25	12.55	10.88	13.28	3.85	101.74	0.54
207	374	7.01	8.96	12	12.36	10.96	13.25	4.26	92.05	0.6
206	374	7.02	8.77	11.85	12.41	10.96	13.22	4.13	96.08	0.58
205	374	6.75	8.91	8.04	12.21	11	13.18	4.52	89.86	0.64
204.5	Inl Struct									
204.1	374	5.97	8.82	7.28	11.75	10.65	12.8	4.71	87.5	0.65
204	374	5.97	8.82	7.28	11.74	10.65	12.8	4.71	87.35	0.65
203.5	Inl Struct									
203	374	5.39	8.53	8.11	10.92	10.24	12.26	5.23	76.9	0.76
202	374	5.46	8.19	7.33	11.06	10.12	12.21	4.86	82.39	0.7
201	374	5.49	6.75	7.14	11.23	9.88	12.16	4.61	92.9	0.63
38	519	5.24	12.52	11.28	11.66	9.37	12.09	2.93	177.14	0.41
37	519	4.79	7.65	8.13	11.51	9.28	12.07	3.31	158.45	0.45
36	519	4.79	11.97	11.56	11.41	9.21	12.05	3.55	146.31	0.48
35	519	4.87	11.6	11.31	11.19	9.33	11.99	3.97	130.65	0.54
34	519	4.87	11.31	10.78	10.36	9.61	11.83	5.37	96.73	0.78
33	519	4.58	11.18	10.6	10.29	9.43	11.72	5.31	97.66	0.76
32	519	4.41	9.75	10.08	10.02	9.22	11.52	5.43	95.64	0.77
31	519	4.19	10.73	9.79	9.96	8.93	11.28	5.08	102.13	0.72
30	519	3.95	10.53	9.54	9.93	8.66	11.1	4.79	108.37	0.67
29	519	3.91	10.32	9.55	9.97	8.42	10.93	4.35	119.3	0.6
28	519	3.76	10.12	6.56	10.03	8.2	10.81	3.91	133.2	0.54
27	519	3.76	10.04	7.86	10.1	7.97	10.75	3.59	144.67	0.49
26	519	3.34	9.79	7.55	10.15	7.6	10.67	3.18	163.1	0.42
25	519	3.36	9.52	8.9	9.99	7.6	10.61	3.49	148.78	0.46
24	519	2.95	9	4.89	9.76	7.81	10.52	3.98	138.8	0.51
23	519	2.84	8.51	4.47	9.55	7.8	10.42	4.27	130.32	0.55
22	519	2.54	7.96	5.23	8.9	7.7	10.22	5.14	104.66	0.68
21	519	2.35	7.74	6.33	9.28	7.14	9.94	3.61	147.19	0.48
20.5	Bridge									
20	519	2.23	7.44	6.41	8.34	6.98	9.44	4.64	111.74	0.64
19	519	2.28	7.31	4.25	8.31	6.82	9.36	4.55	114.25	0.62
18	519	2.23	7.04	3.52	8.31	6.6	9.25	4.31	120.75	0.58
17	519	1.99	6.73	3.23	8.32	6.29	9.15	4.02	129.59	0.53

Torrente Pora - T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
16	519	1.87	6.61	3.14	8.31	6.18	9.08	3.9	133.13	0.51
15	519	1.82	6.6	3.48	8.2	6.3	9.06	4.12	126.11	0.55
14	519	1.84	6.54	1.84	7.99	6.24	8.97	4.39	118.21	0.58
13	532	1.81	6.5	9.81	7.86	6.3	8.94	4.6	115.76	0.62
12	532	1.6	6.4	2.76	8.05	5.72	8.73	3.65	145.68	0.48
11	532	1.81	6.21	3.25	8.14	5.37	8.62	3.04	175.04	0.4
10	532	1.57	3.15	2.43	8.16	5.1	8.55	2.77	192.05	0.36
9	532	1.54	2.85	2.61	8.17	5	8.54	2.69	198.05	0.34
8	532	1.4	2.8	2.79	8.27	4.45	8.47	1.97	270.99	0.25
7.5	Bridge									
7	532	1.38	2.06	1.9	4.94	4.18	5.74	3.97	134.3	0.69
6	532	1.25	1.59	2.41	4.81	4.11	5.65	4.05	131.29	0.71
5	532	1.2	1.52	1.43	4.72	4.05	5.57	4.1	132.19	0.71
4.5	Bridge									
4	532	1.12	2.17	1.49	3.53	3.94	5.38	6.02	88.59	1.29
3	532	0.35	1.09	1.71	2.54	3.16	4.75	6.58	80.89	1.53
2	532	0.33	1.38	1.46	2.31	2.84	4.21	6.1	87.18	1.5
1	532	0.28	1.4	2.58	2.59	2.66	3.61	4.49	118.54	1.06
0.1	532	0.2	2	2	1.8	0.55	1.81	0.42	1281.62	0.1

Torrente Pora - T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
360	341	112.2	118.2	118.2	115.88	115.88	116.99	4.65	73.31	1
359.5	341	102.5	118.2	118.2	103.2	104.8	115.77	15.71	21.71	5.99
359	341	100.85	104.85	106.35	103.69	103.69	104.96	4.99	68.31	1
358.5	341	94	104	104	96.88	98.72	104.31	12.08	28.22	2.81
358	341	85.2	88.9	90.2	94.92	88.57	95.05	1.58	216.49	0.17
357.8	341	81.2	88.7	90.2	94.96	84.75	95.03	1.12	305.77	0.1
357.7	341	79	86.5	88	94.85	84.26	95	1.71	199.56	0.14
357.5	341	78.8	85.8	85.8	92.88	88.76	94.81	6.15	55.47	0.55
357.4	Bridge									
357.3	341	78.2	85.8	85.8	88.83	88.83	93.11	9.16	37.22	1.01
357.2	341	73.4	77.5	78.5	76.13	78.08	83.3	11.86	28.76	2.47
357	341	70	77.5	76.5	73.67	76.13	82.99	13.53	25.2	2.69
356	341	68	76.3	73.3	73.51	73.52	75.11	5.61	60.82	1.01
355	341	59	64.5	68.7	60.38	61.34	63.81	8.2	41.6	2.39
354.8	341	58	64.5	68.7	59.09	60.21	63.61	9.42	36.2	2.91
354.6	451	53.93	58.76	59.41	59.06	58.19	59.74	3.67	122.82	0.64
354.4	451	52.28	61.33	62.25	59.11	57.1	59.62	3.14	143.71	0.46
354.3	Bridge									
354.2	451	52.28	61.33	62.25	56.06	57.11	59.42	8.12	55.51	1.76
354.1	451	53.12	57.49	57.72	57.48	57.48	59.1	5.63	80.04	1
353.4	451	50.86	54.58	54.48	54.95	55.28	57.06	6.44	70.08	1.16
353.2	451	50.9	52.72	53.32	53.45	54.24	56.25	7.4	60.92	1.52
352.2	451	50.25	52.69	52.61	52.75	53.5	55.43	7.25	62.21	1.52
352	451	50.18	52.69	52.36	52.35	53.08	54.88	7.05	63.99	1.64
351.8	451	48.94	53.53	52.12	53.48	51.64	53.93	2.97	152.05	0.45
351.6	451	48.22	53.3	51.46	53.56	50.99	53.85	2.4	187.77	0.34
351.4	451	48.2	52.25	51.44	52.96	51.5	53.71	3.85	117.01	0.57
351.2	451	48	52.56	52.31	52.28	51.86	53.64	5.17	87.2	0.84
351.1	Bridge									
351.05	451	48	52.56	52.31	51.86	51.86	53.58	5.81	77.65	1
351	451	48	51.94	52.3	50.5	51.37	53.42	7.58	59.53	1.56
350.8	451	48.05	51.54	50.72	51.34	51.34	52.92	5.58	80.82	1
350.6	451	46.77	51.07	49.63	48.73	49.71	51.95	7.96	56.68	1.88
350.4	451	46.28	50.8	48.63	50.08	49.42	51.11	4.5	100.17	0.75
350.2	451	46.2	52.99	48.49	49.2	49.2	50.59	5.22	86.45	1
350	466	45.3	51.9	48.2	47.7	48.34	50.02	6.75	69.08	1.45
349.8	466	44.7	51.67	48.1	47.2	47.98	49.8	7.15	65.15	1.58
349.6	466	43.34	50.22	48.6	48.57	46.58	48.97	2.82	165	0.43
349.4	466	42.55	49.29	47.62	47.53	46.77	48.74	4.87	95.78	0.76
349.2	466	42.5	48.92	46.57	47.49	46.53	48.46	4.36	106.86	0.68
349	466	41.82	47.94	45.52	46.75	46.06	48.05	5.04	92.4	0.77
348.8	466	41.51	45.4	45.36	46.96	45.39	47.58	3.49	133.54	0.53
348.6	466	40.75	45.43	45.47	46.85	44.68	47.42	3.35	139.27	0.46
348.4	466	40.75	45.94	45.47	46.88	44.41	47.39	3.16	147.28	0.42
348.3	Bridge									
348.2	466	40.75	45.94	45.47	46.18	44.41	46.84	3.61	129.02	0.52
348	466	40.26	44.24	44.8	44.78	44.78	46.65	6.05	77.02	1
347.8	466	39.57	43.73	45.07	44.06	44.44	46.27	6.59	70.67	1.18
347.6	466	39.36	43.8	42.71	44.07	44.07	45.78	5.78	80.6	1
347.4	466	39.32	45.48	42.4	41.96	42.85	44.95	7.65	60.9	1.75
347.2	466	39	45.15	42.33	42.82	42.82	44.38	5.54	84.12	1

Torrente Pora - T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
347.1	466	39.01	44.82	42.18	41.96	42.41	43.96	6.27	74.35	1.28
347	466	38.34	44.8	41.72	42.03	42.03	43.31	5.01	93.01	1
346.4	466	31.52	35.72	35.72	37	34.56	37.27	2.3	202.98	0.34
346.3	Bridge									
346.2	466	31.52	35.72	35.72	36.52	34.56	36.85	2.56	182.34	0.4
345	466	28.59	32.59	33.59	34.98	33.62	35.97	4.4	105.98	0.62
305.2	466	27.59	32.2	31.98	34.72	32.14	35.19	3.05	152.94	0.41
305.1	Bridge									
305	466	27.59	32.2	31.98	33.57	32.14	34.31	3.81	122.24	0.57
304	466	27.58	31.44	31.63	33.53	31.78	34.3	3.88	120.07	0.54
303	466	27.25	31.47	31.86	32.11	32.11	34.18	6.38	73.06	1
302	466	27.47	30.96	30.4	30.16	31.29	33.99	8.68	53.69	1.75
301	466	25.67	30.24	30.73	27.86	29.43	33.79	10.79	43.17	2.59
300	466	25.65	30.2	30.38	28.29	29.53	32.48	9.07	51.37	1.96
299	466	25.37	30.09	30.34	28.8	29.57	31.5	7.27	64.06	1.5
298	466	24.63	30.14	30.16	28.41	29.21	31.25	7.47	62.4	1.54
297	466	24.81	28.85	28.53	28.81	29.37	31.14	6.77	68.92	1.34
296	466	24.78	28.58	28.43	28.39	28.97	30.88	6.99	66.63	1.32
295	466	24.21	28.72	30.77	29.48	28.47	30.26	3.9	119.37	0.64
294	466	23.78	28.2	30.99	29.09	28.38	30.15	4.56	102.28	0.75
293	466	23.72	28.11	30.41	29.08	28.05	30.06	4.38	106.51	0.69
292	466	22.93	29.78	30.34	29.12	27.69	29.95	4.06	114.8	0.61
291.5	Bridge									
291	466	22.87	30.51	30.33	28.87	27.88	29.9	4.51	103.35	0.71
290	466	22.72	29.41	28.94	27.96	27.96	29.74	5.91	78.81	1
289	466	22.96	28.54	27.68	26.61	27.35	29.47	7.49	62.26	1.39
288	466	22.76	27.66	27.29	28.32	27.07	29.26	4.28	108.83	0.63
287	466	22.64	27.02	26.77	28.39	26.93	29.2	3.99	116.9	0.58
286	466	21.6	25.96	26.25	28.56	26.17	29.14	3.39	139.37	0.45
285	466	21.29	25.6	26.49	28.33	26.36	29.09	3.88	120.23	0.52
284	466	21.24	26.07	26.01	28.2	26.16	29.03	4.07	116.35	0.53
283.5	Bridge									
283	466	21.23	25.55	26.06	26.07	26.07	28.02	6.19	75.31	1
282	466	21.08	24.13	24.39	24.88	25.81	27.86	7.72	63.41	1.38
281	466	20.76	23.2	22.71	26.85	25.08	27.28	3.24	169.49	0.44
280	466	20.54	22.76	22.42	27.01	24.54	27.25	2.43	225.64	0.32
279	466	19.75	23.81	25.41	25.78	24.89	27.14	5.15	90.41	0.75
278	466	19.67	23.73	24.48	26.1	24.7	27.01	4.27	113.38	0.59
277	466	19.58	24.03	24.05	25.8	24.39	26.93	4.7	99.19	0.64
276	466	19.34	23.94	24.09	25.52	24.66	26.87	5.14	90.61	0.75
275	466	19.12	23.35	23.91	25.82	24.22	26.75	4.27	109.13	0.59
274	466	19.22	23.12	23.74	25.52	24.23	26.64	4.68	99.57	0.65
273.5	Bridge									
273	466	19.17	23.39	23.65	24.15	24.15	26.11	6.21	75.04	1
272	466	18.86	23.12	22.59	24.71	23.59	25.8	4.63	100.59	0.67
271	466	18.67	22.86	23.22	24.68	23.26	25.69	4.44	104.89	0.62
270	466	18.27	22.03	20.8	24.65	22.9	25.59	4.31	109.28	0.58
269	466	18.06	21.59	21.21	24.42	23.03	25.52	4.7	102.68	0.64
268	466	17.7	21.48	21.55	24.65	22.6	25.4	3.89	123.06	0.51
267	466	17.49	21.06	20.98	24.43	22.44	25.33	4.2	110.89	0.55
266.5	Bridge									

Torrente Pora - T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
266	466	17.47	20.96	21.09	22.92	22.36	24.35	5.36	89.39	0.79
265	466	17.27	20.95	20.78	23.29	21.94	24.2	4.23	110.59	0.61
264	466	16.97	20.7	19.93	23.56	21.58	24.12	3.43	143.22	0.47
263	466	16.55	20.93	19.64	23.12	21.73	24.05	4.47	111.95	0.58
262	466	16.25	20.74	19.7	23.22	21.36	23.97	3.96	124.83	0.51
261	466	16.05	19.75	19.5	23.5	20.57	23.89	2.78	167.75	0.36
260.5	Bridge									
260	466	16.04	19.74	19.24	23.1	20.35	23.49	2.79	167.06	0.37
259	466	15.73	19.01	20.64	22.94	20.65	23.45	3.31	150.22	0.43
258	466	15.38	18.86	19.91	22.87	20.24	23.41	3.32	147.47	0.42
257	466	14.89	18.41	17.6	22.81	19.74	23.36	3.29	143.1	0.4
256	466	14.5	18.06	18.82	22.47	19.88	23.29	4	116.54	0.49
255.5	Bridge									
255	466	14.49	18.11	18.61	21.37	19.95	22.36	4.45	107.79	0.61
254	466	13.98	17.12	17.78	21.49	19.27	22.27	3.92	119.51	0.51
253	466	13.64	17.3	16.89	21.47	18.92	22.2	3.78	124.47	0.47
252	466	13.45	17.29	17.63	21.38	18.75	22.14	3.86	120.61	0.48
251.5	Bridge									
251	466	13.43	17.28	17.58	20.51	18.65	21.45	4.29	108.57	0.56
250	466	13.33	16.94	16.92	20.79	18.24	21.38	3.41	138.42	0.44
249.5	Bridge									
249	466	13.33	16.78	17.73	20.12	18.34	20.87	3.85	120.91	0.54
248	466	13.11	16.24	16.65	20.24	17.74	20.79	3.31	142.58	0.44
247	466	12.6	15.74	15.59	20.17	17.49	20.74	3.36	139.05	0.43
246	466	12.36	15.71	14.59	20.16	17.31	20.71	3.45	149.56	0.42
245.5	Bridge									
245	466	12.35	15.81	14.79	19.92	17.31	20.52	3.53	141.43	0.44
244	466	12.13	15.03	15.12	19.78	17.06	20.48	3.79	133.12	0.46
243	466	11.9	14.41	14.52	19.8	16.81	20.45	3.61	136.46	0.43
242	466	11.78	14.89	15.19	19.68	16.89	20.43	3.82	121.91	0.46
241.5	Bridge									
241	466	11.73	15.5	15.23	18.87	16.86	19.6	3.9	126.85	0.5
240	466	11.47	14.49	15.07	18.66	16.52	19.54	4.15	112.41	0.53
239.1	466	11.34	14.92	14.97	18.59	16.36	19.48	4.17	111.86	0.53
239.05	Bridge									
239	466	11.33	14.87	14.96	17.19	16.38	18.64	5.34	87.27	0.76
238	466	11.14	14.59	14.57	16.29	16.29	18.45	6.51	71.61	1
237	466	11.11	14.11	14.48	16.03	16.4	18.24	6.8	74.32	1.06
236	466	11.01	13.82	12.6	16.44	15.66	17.9	5.34	87.83	0.77
235	466	10.82	13.82	11.83	16.39	15.33	17.74	5.16	90.87	0.72
234	466	10.45	13.59	12.04	16.43	15.07	17.63	4.86	97.12	0.66
233	466	10.38	13.55	11.93	16.42	15.05	17.61	4.85	96.36	0.65
232	466	10.12	12.97	11.93	16.61	14.66	17.5	4.2	112.34	0.55
231	466	9.88	12.81	11.43	16.48	14.5	17.44	4.35	108.95	0.56
230	466	9.68	12.67	11.44	16.43	14.36	17.39	4.36	111.27	0.55
229	466	9.4	13.15	11.17	16.63	13.96	17.33	3.71	126.35	0.46
228	466	9.25	13.08	10.88	16.59	13.82	17.3	3.72	126.04	0.46
227	466	9.08	13.04	10.84	16.54	13.7	17.26	3.75	124.58	0.45
226	466	8.99	12.97	11.53	16.48	13.75	17.23	3.84	121.85	0.47
225	466	8.97	12.99	12.03	16.58	13.62	17.21	3.52	132.69	0.43
224	466	8.77	12.56	11.63	16.59	13.38	17.17	3.36	139.2	0.4

Torrente Pora - T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
223	466	8.67	12.54	10.95	16.63	13.1	17.15	3.19	145.96	0.38
222	466	8.5	12.56	11.64	16.61	13.13	17.13	3.19	146.53	0.38
221	466	8.47	12.53	11.7	16.53	13.09	17.09	3.33	143.42	0.39
220	466	8.46	12.56	11.3	16.53	13.08	17.07	3.26	142.96	0.38
219	466	8.14	13.53	13.49	16.45	12.72	17.04	3.4	137.15	0.39
218.5	Bridge									
218	466	8.11	12.48	12.57	13.32	12.65	14.8	5.39	86.44	0.79
217	466	8.1	10.45	11.59	13.29	12.64	14.73	5.43	89.75	0.79
216	466	7.85	10.18	10.13	13.58	12.36	14.65	4.73	107.67	0.65
215	466	7.63	9.68	9.91	13.44	12.25	14.57	4.82	102.58	0.67
214	466	7.25	9.25	9.75	13.46	12	14.47	4.67	112.17	0.62
213	466	6.76	9.63	9.74	13.93	11.74	14.41	3.36	162.41	0.43
212.5	Bridge									
212	466	6.95	9.65	9.94	13.77	11.72	14.29	3.47	155.61	0.45
211	466	7.08	9.22	10.05	13.56	11.73	14.27	3.97	133.4	0.52
210	466	7.09	9.24	10.25	13.48	11.63	14.26	4.05	127.36	0.53
209	466	7.09	9.15	9.86	13.23	11.62	14.21	4.54	112.94	0.6
208	466	7.06	9.09	12.25	13.35	11.4	14.19	4.15	118.09	0.54
207	466	7.01	8.96	12	13.11	11.5	14.15	4.61	106.4	0.61
206	466	7.02	8.77	11.85	13.19	11.48	14.12	4.44	111.72	0.58
205	466	6.75	8.91	8.04	12.95	11.55	14.08	4.89	104.15	0.65
204.5	Inl Struct									
204.1	466	5.97	8.82	7.28	12.49	11.22	13.71	5.09	101.68	0.66
204	466	5.97	8.82	7.28	12.48	11.22	13.71	5.1	101.55	0.66
203.5	Inl Struct									
203	466	5.39	8.53	8.11	11.94	10.89	13.28	5.29	96.18	0.7
202	466	5.46	8.19	7.33	12.03	10.69	13.25	5.02	100.51	0.66
201	466	5.49	6.75	7.14	12.19	10.43	13.21	4.84	111.45	0.61
38	647	5.24	12.52	11.28	12.66	9.82	13.14	3.05	212.14	0.39
37	647	4.79	7.65	8.13	12.49	9.79	13.11	3.5	187.55	0.44
36	647	4.79	11.97	11.56	12.36	9.77	13.09	3.78	171.36	0.47
35	647	4.87	11.6	11.31	12.12	9.92	13.03	4.23	152.82	0.53
34	647	4.87	11.31	10.78	11.22	10.27	12.86	5.68	114	0.76
33	647	4.58	11.18	10.6	11.13	10.11	12.77	5.67	114.17	0.75
32	647	4.41	9.75	10.08	10.84	9.9	12.56	5.81	111.37	0.77
31	647	4.19	10.73	9.79	10.81	9.59	12.31	5.44	119.03	0.71
30	647	3.95	10.53	9.54	10.78	9.31	12.13	5.14	125.92	0.66
29	647	3.91	10.32	9.55	10.84	9.03	11.95	4.65	138.99	0.6
28	647	3.76	10.12	6.56	10.93	8.77	11.82	4.18	155.67	0.53
27	647	3.76	10.04	7.86	11.01	8.53	11.76	3.84	168.47	0.48
26	647	3.34	9.79	7.55	11.07	8.13	11.67	3.42	188.94	0.42
25	647	3.36	9.52	8.9	10.88	8.17	11.61	3.77	171.4	0.46
24	647	2.95	9	4.89	10.68	8.45	11.52	4.21	164.77	0.51
23	647	2.84	8.51	4.47	10.46	8.46	11.42	4.51	154.8	0.54
22	647	2.54	7.96	5.23	9.62	8.43	11.2	5.65	119.61	0.7
21	647	2.35	7.74	6.33	10.09	7.69	10.87	3.94	168.91	0.49
20.5	Bridge									
20	647	2.23	7.44	6.41	8.99	7.61	10.34	5.16	125.37	0.67
19	647	2.28	7.31	4.25	8.95	7.45	10.26	5.07	127.74	0.66
18	647	2.23	7.04	3.52	8.96	7.22	10.14	4.81	134.77	0.61
17	647	1.99	6.73	3.23	8.98	6.9	10.01	4.5	144.11	0.56

Torrente Pora - T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
16	647	1.87	6.61	3.14	8.97	6.78	9.94	4.37	147.98	0.54
15	647	1.82	6.6	3.48	8.82	6.91	9.91	4.63	139.87	0.58
14	647	1.84	6.54	1.84	8.53	6.88	9.81	5.01	129.25	0.64
13	663	1.81	6.5	9.81	8.34	6.95	9.76	5.28	125.57	0.68
12	663	1.6	6.4	2.76	8.62	6.3	9.5	4.16	159.34	0.52
11	663	1.81	6.21	3.25	8.74	5.88	9.35	3.45	192.49	0.43
10	663	1.57	3.15	2.43	8.77	5.59	9.28	3.14	211.06	0.39
9	663	1.54	2.85	2.61	8.78	5.48	9.25	3.05	217.53	0.37
8	663	1.4	2.8	2.79	8.92	4.87	9.17	2.23	298.39	0.27
7.5	Bridge									
7	663	1.38	2.06	1.9	6.71	4.6	7.25	3.26	204.15	0.46
6	663	1.25	1.59	2.41	6.67	4.53	7.21	3.25	203.89	0.45
5	663	1.2	1.52	1.43	6.65	4.47	7.18	3.26	209.82	0.45
4.5	Bridge									
4	663	1.12	2.17	1.49	4.36	4.36	5.88	5.47	121.74	1
3	663	0.35	1.09	1.71	2.83	3.56	5.41	7.11	93.32	1.54
2	663	0.33	1.38	1.46	2.51	3.18	4.87	6.8	97.49	1.59
1	663	0.28	1.4	2.58	2.64	2.96	4.15	5.43	122.06	1.27
0.1	663	0.2	2	2	1.8	0.61	1.81	0.52	1281.62	0.13

Torrente Pora - T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
360	411	112.2	118.2	118.2	116.29	116.29	117.41	4.71	87.35	1
359.5	411	102.5	118.2	118.2	103.34	105.12	116.18	15.88	25.88	5.55
359	411	100.85	104.85	106.35	104.03	104.03	105.46	5.3	77.5	1
358.5	411	94	104	104	97.22	99.16	104.82	12.21	33.66	2.73
358	411	85.2	88.9	90.2	96.9	88.93	97.03	1.56	263.67	0.15
357.8	411	81.2	88.7	90.2	96.94	85.16	97.01	1.16	352.82	0.1
357.7	411	79	86.5	88	96.81	84.8	96.98	1.81	226.63	0.14
357.5	411	78.8	85.8	85.8	94.6	89.89	96.76	6.52	63.02	0.55
357.4	Bridge									
357.3	411	78.2	85.8	85.8	89.99	89.99	94.79	9.71	42.33	1
357.2	411	73.4	77.5	78.5	76.45	78.65	84.53	12.59	32.64	2.48
357	411	70	77.5	76.5	74.06	76.76	84.23	14.13	29.08	2.65
356	411	68	76.3	73.3	74.05	74.05	75.72	5.73	71.77	1
355	411	59	64.5	68.7	60.52	61.61	64.52	8.86	46.37	2.44
354.8	411	58	64.5	68.7	59.24	60.49	64.33	10	41.1	2.9
354.6	526	53.93	58.76	59.41	59.88	58.47	60.48	3.43	153.99	0.54
354.4	526	52.28	61.33	62.25	59.88	57.43	60.39	3.16	166.52	0.43
354.3	Bridge									
354.2	526	52.28	61.33	62.25	59.13	57.43	59.81	3.65	144.12	0.53
354.1	526	53.12	57.49	57.72	57.85	57.85	59.62	5.9	89.21	1
353.4	526	50.86	54.58	54.48	55.33	55.65	57.62	6.7	78.51	1.14
353.2	526	50.9	52.72	53.32	53.72	54.57	56.81	7.79	67.53	1.52
352.2	526	50.25	52.69	52.61	52.98	53.83	56	7.71	68.25	1.54
352	526	50.18	52.69	52.36	52.5	53.37	55.46	7.62	69.02	1.71
351.8	526	48.94	53.53	52.12	54.06	51.93	54.54	3.06	172.05	0.44
351.6	526	48.22	53.3	51.46	54.14	51.26	54.46	2.51	209.87	0.34
351.4	526	48.2	52.25	51.44	53.49	51.84	54.32	4.03	130.55	0.56
351.2	526	48	52.56	52.31	52.85	52.23	54.26	5.25	100.21	0.8
351.1	Bridge									
351.05	526	48	52.56	52.31	52.23	52.23	54.13	6.11	86.15	1
351	526	48	51.94	52.3	50.78	51.72	53.97	7.92	66.44	1.54
350.8	526	48.05	51.54	50.72	51.68	51.68	53.44	5.87	89.61	1
350.6	526	46.77	51.07	49.63	48.94	50	52.47	8.32	63.19	1.87
350.4	526	46.28	50.8	48.63	50.37	49.74	51.57	4.87	108.04	0.78
350.2	526	46.2	52.99	48.49	49.51	49.51	51.04	5.49	95.89	1
350	526	45.3	51.9	48.2	47.84	48.6	50.45	7.15	73.53	1.49
349.8	526	44.7	51.67	48.1	47.35	48.24	50.23	7.51	70.02	1.61
349.6	526	43.34	50.22	48.6	49.05	46.8	49.47	2.87	183.44	0.42
349.4	526	42.55	49.29	47.62	47.99	47.08	49.24	4.95	106.34	0.73
349.2	526	42.5	48.92	46.57	47.98	46.81	48.97	4.4	119.47	0.65
349	526	41.82	47.94	45.52	47.28	46.37	48.59	5.07	103.75	0.73
348.8	526	41.51	45.4	45.36	47.53	45.64	48.15	3.5	150.36	0.5
348.6	526	40.75	45.43	45.47	47.41	44.95	48	3.42	153.88	0.45
348.4	526	40.75	45.94	45.47	47.44	44.68	47.98	3.25	161.86	0.42
348.3	Bridge									
348.2	526	40.75	45.94	45.47	46.61	44.68	47.33	3.75	140.19	0.52
348	526	40.26	44.24	44.8	45.1	45.1	47.12	6.3	83.47	1
347.8	526	39.57	43.73	45.07	44.31	44.79	46.73	6.9	76.25	1.19
347.6	526	39.36	43.8	42.71	44.36	44.36	46.21	6.02	87.38	1
347.4	526	39.32	45.48	42.4	42.13	43.09	45.37	7.98	65.93	1.76
347.2	526	39	45.15	42.33	43.08	43.08	44.77	5.76	91.31	1

Torrente Pora - T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
347.1	526	39.01	44.82	42.18	42.14	42.65	44.34	6.57	80.03	1.31
347	526	38.34	44.8	41.72	42.24	42.24	43.63	5.21	100.89	1
346.4	526	31.52	35.72	35.72	37.54	34.76	37.81	2.33	226	0.32
346.3	Bridge									
346.2	526	31.52	35.72	35.72	37.01	34.76	37.35	2.59	203.35	0.38
345	526	28.59	32.59	33.59	35.47	33.93	36.51	4.53	116.23	0.61
305.2	526	27.59	32.2	31.98	35.23	32.41	35.74	3.16	166.68	0.4
305.1	Bridge									
305	526	27.59	32.2	31.98	34.08	32.41	34.84	3.87	135.8	0.55
304	526	27.58	31.44	31.63	34	32.07	34.83	4.02	130.99	0.54
303	526	27.25	31.47	31.86	32.46	32.46	34.7	6.64	79.21	1
302	526	27.47	30.96	30.4	30.38	31.6	34.51	9.01	58.39	1.74
301	526	25.67	30.24	30.73	28.03	29.71	34.31	11.1	47.37	2.55
300	526	25.65	30.2	30.38	28.47	29.82	33.02	9.46	55.61	1.97
299	526	25.37	30.09	30.34	28.94	29.84	32.01	7.76	67.77	1.56
298	526	24.63	30.14	30.16	28.57	29.48	31.75	7.9	66.56	1.58
297	526	24.81	28.85	28.53	28.93	29.63	31.64	7.3	72.14	1.41
296	526	24.78	28.58	28.43	28.58	29.26	31.36	7.4	71.12	1.36
295	526	24.21	28.72	30.77	29.89	28.71	30.69	3.98	132.17	0.62
294	526	23.78	28.2	30.99	29.5	28.66	30.59	4.64	113.45	0.73
293	526	23.72	28.11	30.41	29.47	28.36	30.5	4.51	116.62	0.69
292	526	22.93	29.78	30.34	29.5	28.01	30.4	4.22	124.64	0.62
291.5	Bridge									
291	526	22.87	30.51	30.33	29.25	28.21	30.35	4.65	113.02	0.71
290	526	22.72	29.41	28.94	28.28	28.28	30.18	6.11	86.07	1
289	526	22.96	28.54	27.68	26.9	27.67	29.92	7.69	68.41	1.37
288	526	22.76	27.66	27.29	26.66	27.37	29.51	7.48	70.3	1.36
287	526	22.64	27.02	26.77	28.06	27.21	29.25	4.83	108.91	0.73
286	526	21.6	25.96	26.25	28.37	26.48	29.16	3.96	134.55	0.53
285	526	21.29	25.6	26.49	27.97	26.67	29.08	4.67	112.56	0.65
284	526	21.24	26.07	26.01	27.72	26.52	28.99	5	106.69	0.68
283.5	Bridge									
283	526	21.23	25.55	26.06	26.4	26.4	28.51	6.44	81.68	1
282	526	21.08	24.13	24.39	27.13	26.07	28.01	4.35	131.46	0.6
281	526	20.76	23.2	22.71	27.5	25.28	27.92	3.2	194.45	0.41
280	526	20.54	22.76	22.42	27.65	24.72	27.89	2.43	256.06	0.31
279	526	19.75	23.81	25.41	26.45	25.25	27.78	5.12	102.79	0.69
278	526	19.67	23.73	24.48	26.77	25	27.66	4.25	129.06	0.55
277	526	19.58	24.03	24.05	26.44	24.73	27.59	4.75	110.7	0.61
276	526	19.34	23.94	24.09	26.24	25	27.54	5.06	104.03	0.68
275	526	19.12	23.35	23.91	26.51	24.53	27.44	4.28	122.97	0.55
274	526	19.22	23.12	23.74	26.24	24.56	27.34	4.65	113.14	0.61
273.5	Bridge									
273	526	19.17	23.39	23.65	24.75	24.48	26.63	6.07	86.59	0.91
272	526	18.86	23.12	22.59	25.36	23.9	26.44	4.61	114.19	0.63
271	526	18.67	22.86	23.22	25.33	23.57	26.34	4.47	117.8	0.59
270	526	18.27	22.03	20.8	25.28	23.23	26.25	4.38	121.61	0.55
269	526	18.06	21.59	21.21	25.07	23.37	26.19	4.74	115.42	0.61
268	526	17.7	21.48	21.55	25.31	22.91	26.08	3.94	137.47	0.49
267	526	17.49	21.06	20.98	25.08	22.77	26.02	4.28	122.85	0.53
266.5	Bridge									

Torrente Pora - T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
266	526	17.47	20.96	21.09	23.54	22.68	24.94	5.3	102.5	0.74
265	526	17.27	20.95	20.78	23.89	22.24	24.81	4.25	124.22	0.58
264	526	16.97	20.7	19.93	24.16	21.84	24.73	3.47	160.12	0.45
263	526	16.55	20.93	19.64	23.72	22.04	24.66	4.51	125.13	0.56
262	526	16.25	20.74	19.7	23.81	21.66	24.58	4.04	138.55	0.5
261	526	16.05	19.75	19.5	24.1	20.83	24.51	2.85	184.63	0.36
260.5	Bridge									
260	526	16.04	19.74	19.24	23.75	20.6	24.16	2.83	186.22	0.36
259	526	15.73	19.01	20.64	23.6	20.91	24.12	3.34	168.35	0.41
258	526	15.38	18.86	19.91	23.52	20.53	24.08	3.4	163.39	0.41
257	526	14.89	18.41	17.6	23.44	20.05	24.03	3.39	156.62	0.4
256	526	14.5	18.06	18.82	23.09	20.23	23.96	4.14	126.95	0.48
255.5	Bridge									
255	526	14.49	18.11	18.61	21.96	20.27	22.98	4.52	120.19	0.59
254	526	13.98	17.12	17.78	22.06	19.6	22.89	4.04	130.81	0.5
253	526	13.64	17.3	16.89	22.04	19.25	22.83	3.93	135.47	0.47
252	526	13.45	17.29	17.63	21.94	19.1	22.77	4.02	130.7	0.48
251.5	Bridge									
251	526	13.43	17.28	17.58	21.04	18.99	22.05	4.45	118.19	0.56
250	526	13.33	16.94	16.92	21.34	18.53	21.97	3.53	150.99	0.44
249.5	Bridge									
249	526	13.33	16.78	17.73	20.71	18.63	21.49	3.91	134.59	0.52
248	526	13.11	16.24	16.65	20.83	18.03	21.41	3.39	157.12	0.43
247	526	12.6	15.74	15.59	20.75	17.78	21.36	3.47	152.14	0.42
246	526	12.36	15.71	14.59	20.74	17.6	21.34	3.58	163.32	0.42
245.5	Bridge									
245	526	12.35	15.81	14.79	20.54	17.6	21.17	3.64	155.55	0.44
244	526	12.13	15.03	15.12	20.37	17.39	21.13	3.94	145.2	0.46
243	526	11.9	14.41	14.52	20.4	17.14	21.1	3.76	148.3	0.43
242	526	11.78	14.89	15.19	20.27	17.24	21.08	3.98	132.18	0.46
241.5	Bridge									
241	526	11.73	15.5	15.23	19.46	17.16	20.22	3.99	140.18	0.49
240	526	11.47	14.49	15.07	19.21	16.87	20.16	4.3	122.46	0.53
239.1	526	11.34	14.92	14.97	19.14	16.71	20.09	4.33	121.44	0.52
239.05	Bridge									
239	526	11.33	14.87	14.96	17.63	16.73	19.19	5.54	94.98	0.76
238	526	11.14	14.59	14.57	16.66	16.66	18.99	6.77	77.67	1
237	526	11.11	14.11	14.48	17.17	16.7	18.7	5.74	100.41	0.79
236	526	11.01	13.82	12.6	17.11	16	18.55	5.3	99.95	0.72
235	526	10.82	13.82	11.83	17.06	15.69	18.42	5.17	102.45	0.68
234	526	10.45	13.59	12.04	17.1	15.43	18.31	4.89	109.04	0.63
233	526	10.38	13.55	11.93	17.08	15.4	18.3	4.89	107.89	0.62
232	526	10.12	12.97	11.93	17.28	14.99	18.2	4.26	125.11	0.53
231	526	9.88	12.81	11.43	17.15	14.85	18.14	4.43	120.79	0.54
230	526	9.68	12.67	11.44	17.1	14.72	18.1	4.46	123.15	0.54
229	526	9.4	13.15	11.17	17.3	14.29	18.04	3.8	139.23	0.45
228	526	9.25	13.08	10.88	17.26	14.16	18	3.82	138.49	0.45
227	526	9.08	13.04	10.84	17.21	14.04	17.97	3.86	136.49	0.45
226	526	8.99	12.97	11.53	17.14	14.1	17.93	3.95	133.72	0.46
225	526	8.97	12.99	12.03	17.25	13.95	17.91	3.61	145.77	0.42
224	526	8.77	12.56	11.63	17.27	13.7	17.88	3.46	152.5	0.4

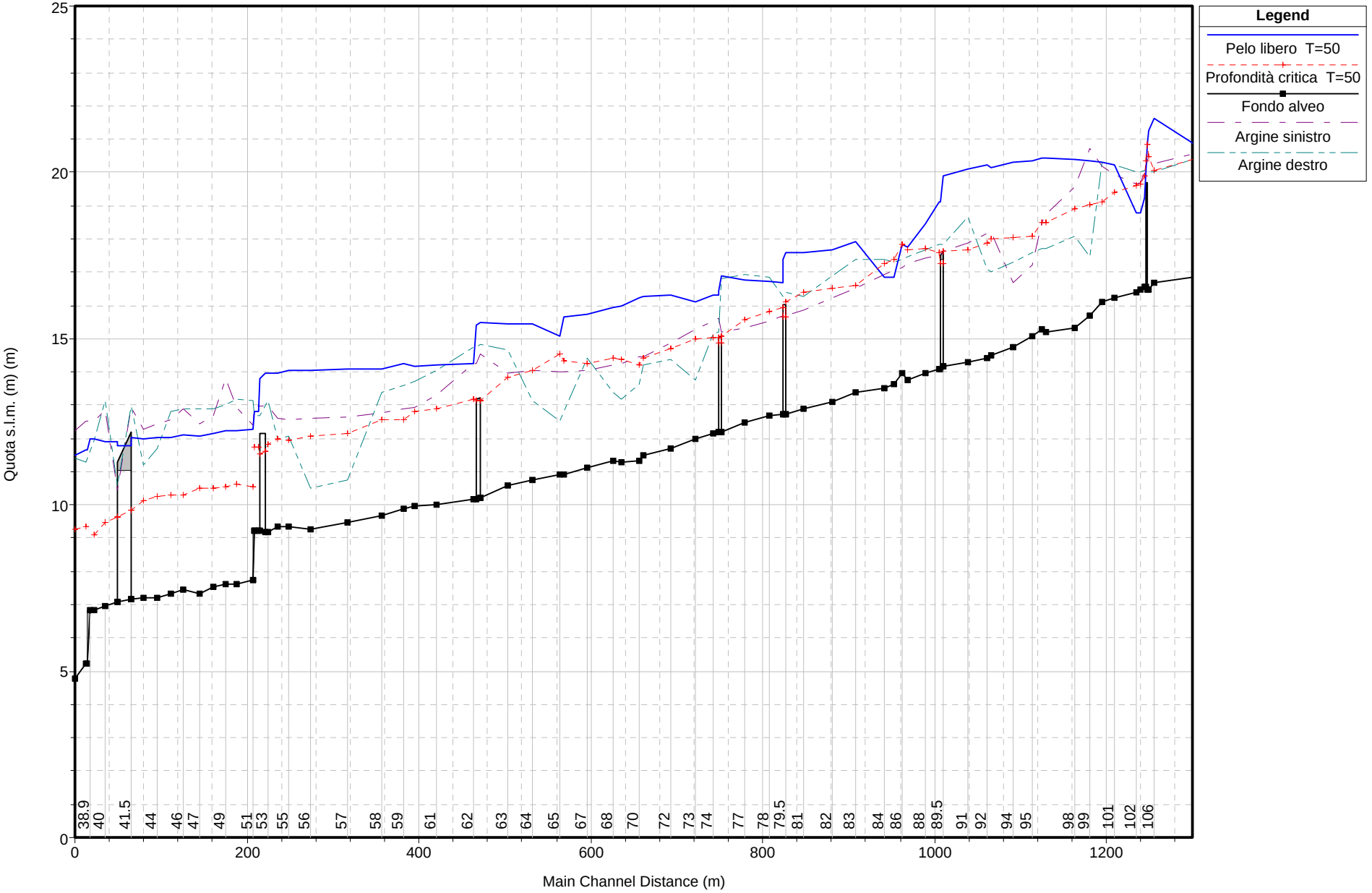
Torrente Pora - T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
223	526	8.67	12.54	10.95	17.3	13.42	17.86	3.3	159.33	0.37
222	526	8.5	12.56	11.64	17.28	13.45	17.84	3.29	160.16	0.37
221	526	8.47	12.53	11.7	17.2	13.42	17.8	3.45	156.61	0.39
220	526	8.46	12.56	11.3	17.21	13.4	17.79	3.37	156.08	0.38
219	526	8.14	13.53	13.49	17.11	13.08	17.75	3.54	148.61	0.39
218.5	Bridge									
218	526	8.11	12.48	12.57	13.83	12.99	15.37	5.49	95.78	0.77
217	526	8.1	10.45	11.59	13.82	12.97	15.3	5.5	100.3	0.76
216	526	7.85	10.18	10.13	14.1	12.67	15.22	4.85	119.43	0.64
215	526	7.63	9.68	9.91	13.96	12.58	15.15	4.94	113.54	0.66
214	526	7.25	9.25	9.75	13.98	12.32	15.06	4.82	123.54	0.62
213	526	6.76	9.63	9.74	14.49	11.98	14.99	3.44	180.05	0.42
212.5	Bridge									
212	526	6.95	9.65	9.94	14.32	11.97	14.86	3.55	172.64	0.44
211	526	7.08	9.22	10.05	14.1	12.01	14.84	4.08	147.28	0.52
210	526	7.09	9.24	10.25	14.01	11.92	14.83	4.19	139.9	0.53
209	526	7.09	9.15	9.86	13.72	11.94	14.78	4.72	123.43	0.6
208	526	7.06	9.09	12.25	13.85	11.72	14.76	4.31	128.51	0.54
207	526	7.01	8.96	12	13.6	11.84	14.72	4.8	115.61	0.61
206	526	7.02	8.77	11.85	13.69	11.81	14.69	4.61	121.72	0.58
205	526	6.75	8.91	8.04	13.42	11.88	14.65	5.1	113.29	0.65
204.5	Inl Struct									
204.1	526	5.97	8.82	7.28	12.99	11.56	14.3	5.29	111.25	0.66
204	526	5.97	8.82	7.28	12.98	11.56	14.29	5.29	111.13	0.66
203.5	Inl Struct									
203	526	5.39	8.53	8.11	12.58	11.25	13.94	5.34	108.35	0.67
202	526	5.46	8.19	7.33	12.65	11.04	13.91	5.11	112.06	0.64
201	526	5.49	6.75	7.14	12.8	10.77	13.87	4.98	123.31	0.6
38	731	5.24	12.52	11.28	13.3	10.1	13.8	3.12	234.42	0.38
37	731	4.79	7.65	8.13	13.11	10.11	13.77	3.61	206.14	0.43
36	731	4.79	11.97	11.56	12.98	10.11	13.75	3.9	187.39	0.47
35	731	4.87	11.6	11.31	12.72	10.28	13.69	4.38	167.07	0.53
34	731	4.87	11.31	10.78	11.79	10.68	13.52	5.83	125.49	0.75
33	731	4.58	11.18	10.6	11.68	10.52	13.42	5.86	124.84	0.74
32	731	4.41	9.75	10.08	11.38	10.32	13.22	6.01	121.67	0.76
31	731	4.19	10.73	9.79	11.36	10	12.97	5.62	130.07	0.7
30	731	3.95	10.53	9.54	11.34	9.72	12.78	5.32	137.37	0.66
29	731	3.91	10.32	9.55	11.41	9.41	12.6	4.82	151.81	0.59
28	731	3.76	10.12	6.56	11.51	9.13	12.46	4.32	170.25	0.53
27	731	3.76	10.04	7.86	11.6	8.87	12.4	3.98	183.88	0.48
26	731	3.34	9.79	7.55	11.66	8.45	12.31	3.55	205.65	0.42
25	731	3.36	9.52	8.9	11.46	8.52	12.25	3.93	186.1	0.46
24	731	2.95	9	4.89	11.29	8.84	12.16	4.3	182.86	0.5
23	731	2.84	8.51	4.47	11.08	8.87	12.06	4.59	172.11	0.53
22	731	2.54	7.96	5.23	10.16	8.89	11.84	5.84	131.23	0.7
21	731	2.35	7.74	6.33	10.67	8.03	11.5	4.09	184.23	0.49
20.5	Bridge									
20	731	2.23	7.44	6.41	9.53	8	10.98	5.35	136.69	0.67
19	731	2.28	7.31	4.25	9.49	7.84	10.9	5.27	139.03	0.65
18	731	2.23	7.04	3.52	9.5	7.6	10.78	5	146.49	0.61
17	731	1.99	6.73	3.23	9.53	7.27	10.65	4.69	156.2	0.56

Torrente Pora - T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
16	731	1.87	6.61	3.14	9.52	7.15	10.58	4.56	160.39	0.55
15	731	1.82	6.6	3.48	9.37	7.29	10.55	4.82	151.8	0.58
14	731	1.84	6.54	1.84	9.05	7.28	10.44	5.23	139.76	0.64
13	750	1.81	6.5	9.81	8.83	7.35	10.39	5.53	135.58	0.69
12	750	1.6	6.4	2.76	9.14	6.66	10.11	4.36	172.09	0.52
11	750	1.81	6.21	3.25	9.29	6.21	9.95	3.6	208.33	0.43
10	750	1.57	3.15	2.43	9.32	5.9	9.87	3.29	228.21	0.39
9	750	1.54	2.85	2.61	9.33	5.78	9.85	3.19	235.09	0.37
8	750	1.4	2.8	2.79	9.48	5.13	9.76	2.34	322.47	0.27
7.5	Bridge									
7	750	1.38	2.06	1.9	7.1	4.87	7.7	3.43	219.73	0.46
6	750	1.25	1.59	2.41	7.06	4.8	7.66	3.43	219.18	0.46
5	750	1.2	1.52	1.43	7.04	4.73	7.63	3.43	225.53	0.46
4.5	Bridge									
4	750	1.12	2.17	1.49	4.62	4.62	6.27	5.69	132.25	1
3	750	0.35	1.09	1.71	3.02	3.8	5.8	7.39	101.53	1.53
2	750	0.33	1.38	1.46	2.64	3.4	5.28	7.2	104.21	1.62
1	750	0.28	1.4	2.58	2.71	3.15	4.5	5.94	126.4	1.36
0.1	750	0.2	2	2	1.8	0.64	1.82	0.59	1281.62	0.15

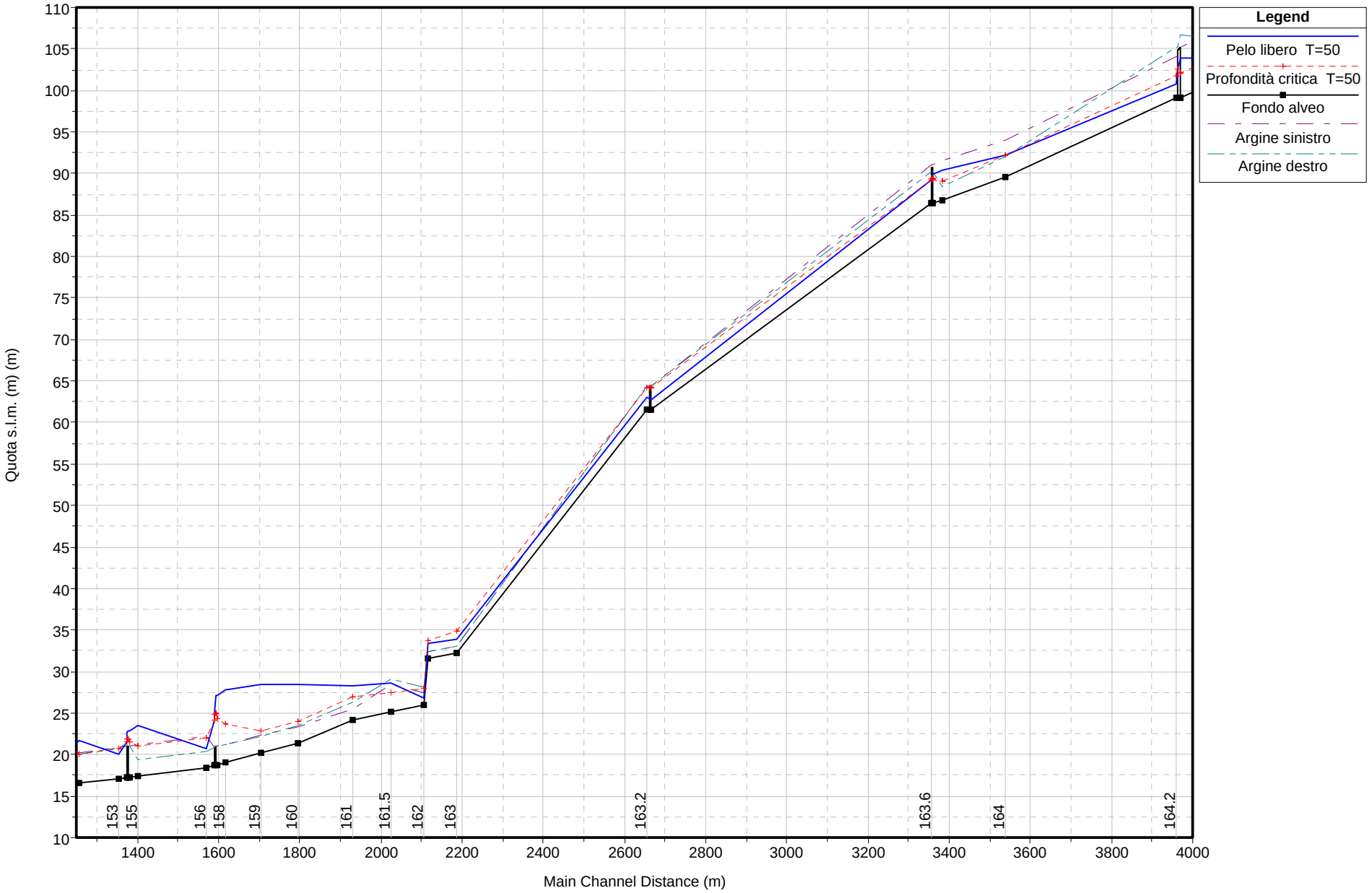
PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI

AQUILA

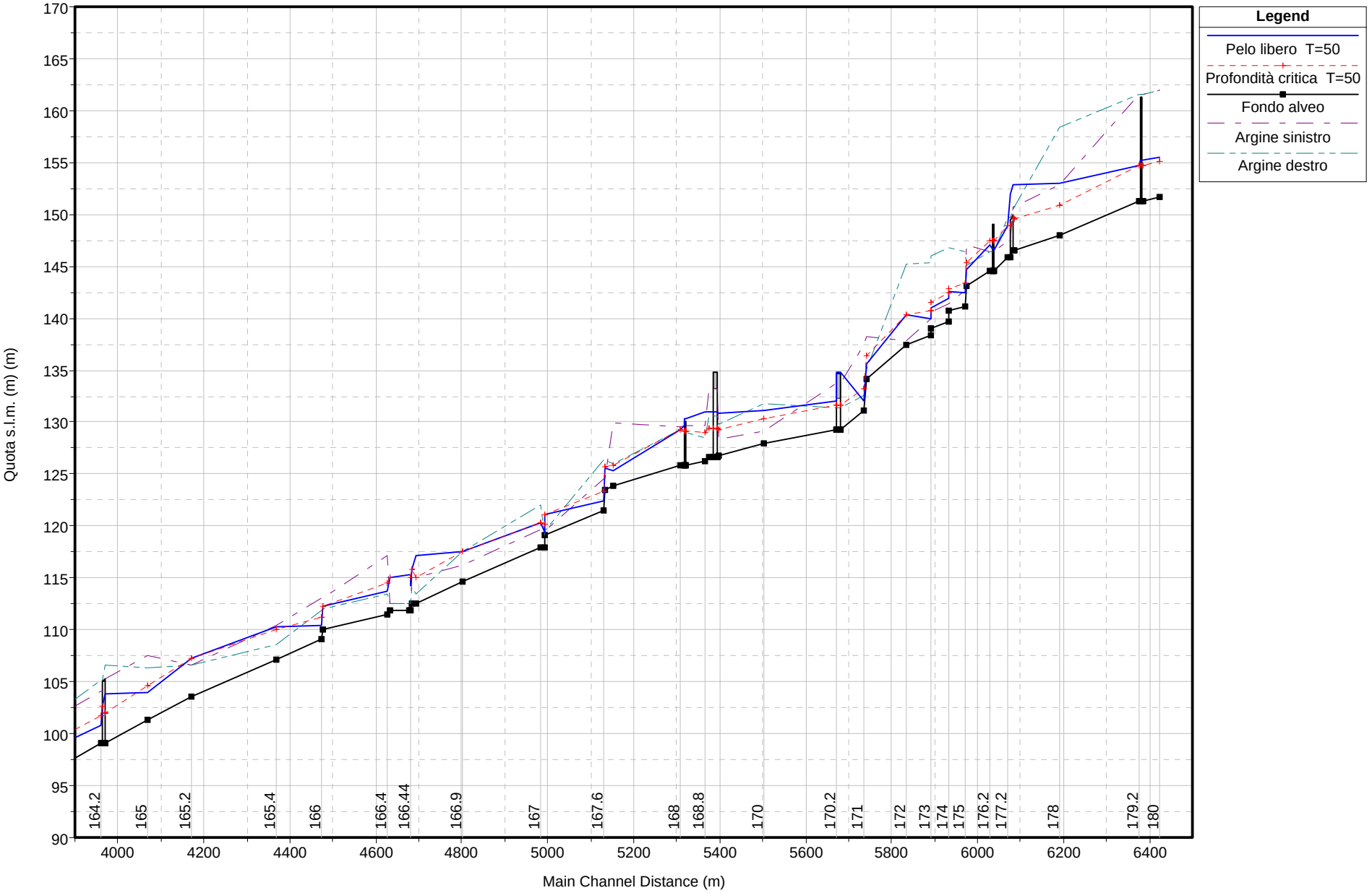
Torrente Aquila – Profilo longitudinale di moto permanente T=50 anni



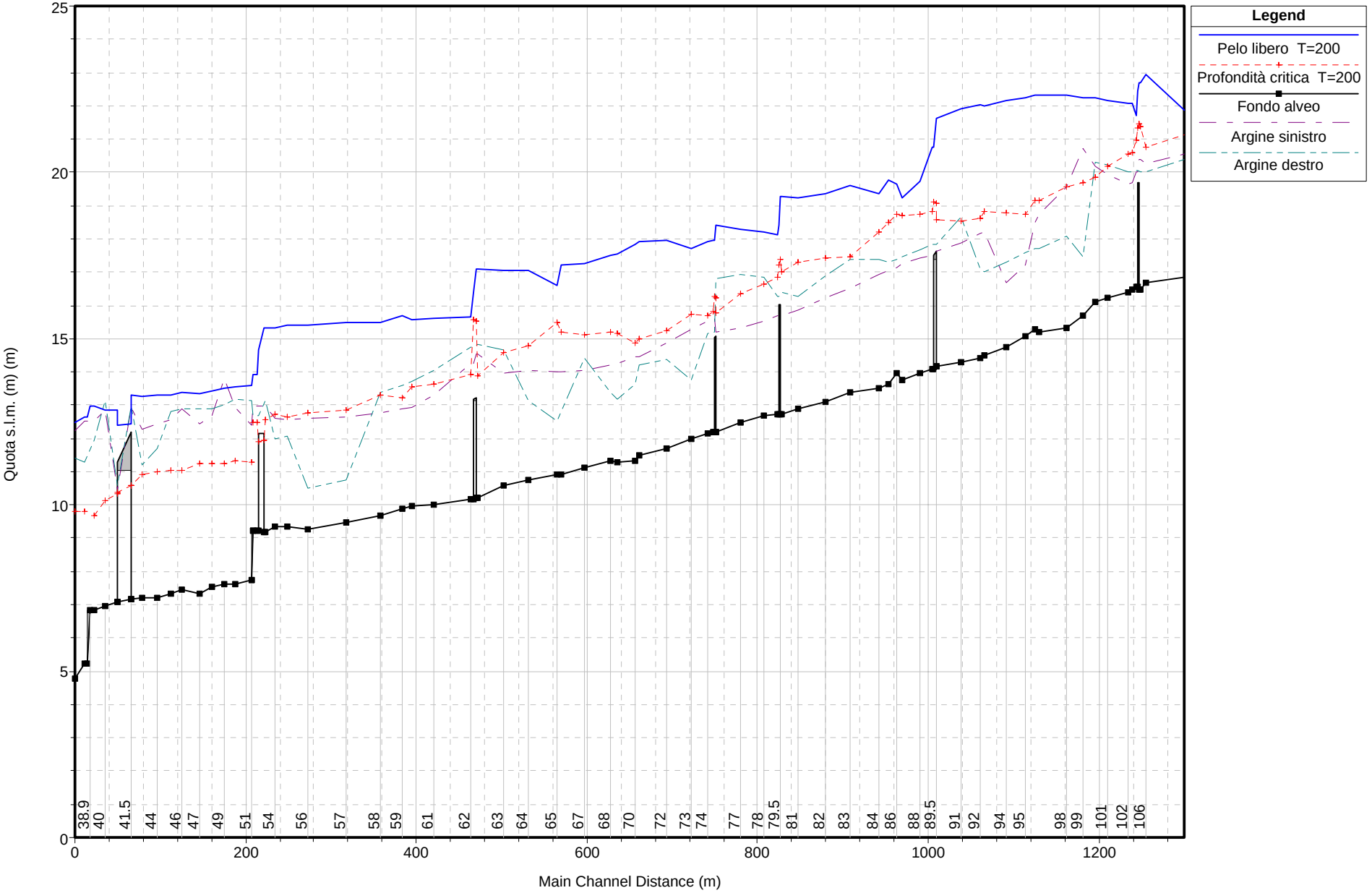
Torrente Aquila – Profilo longitudinale di moto permanente T=50 anni



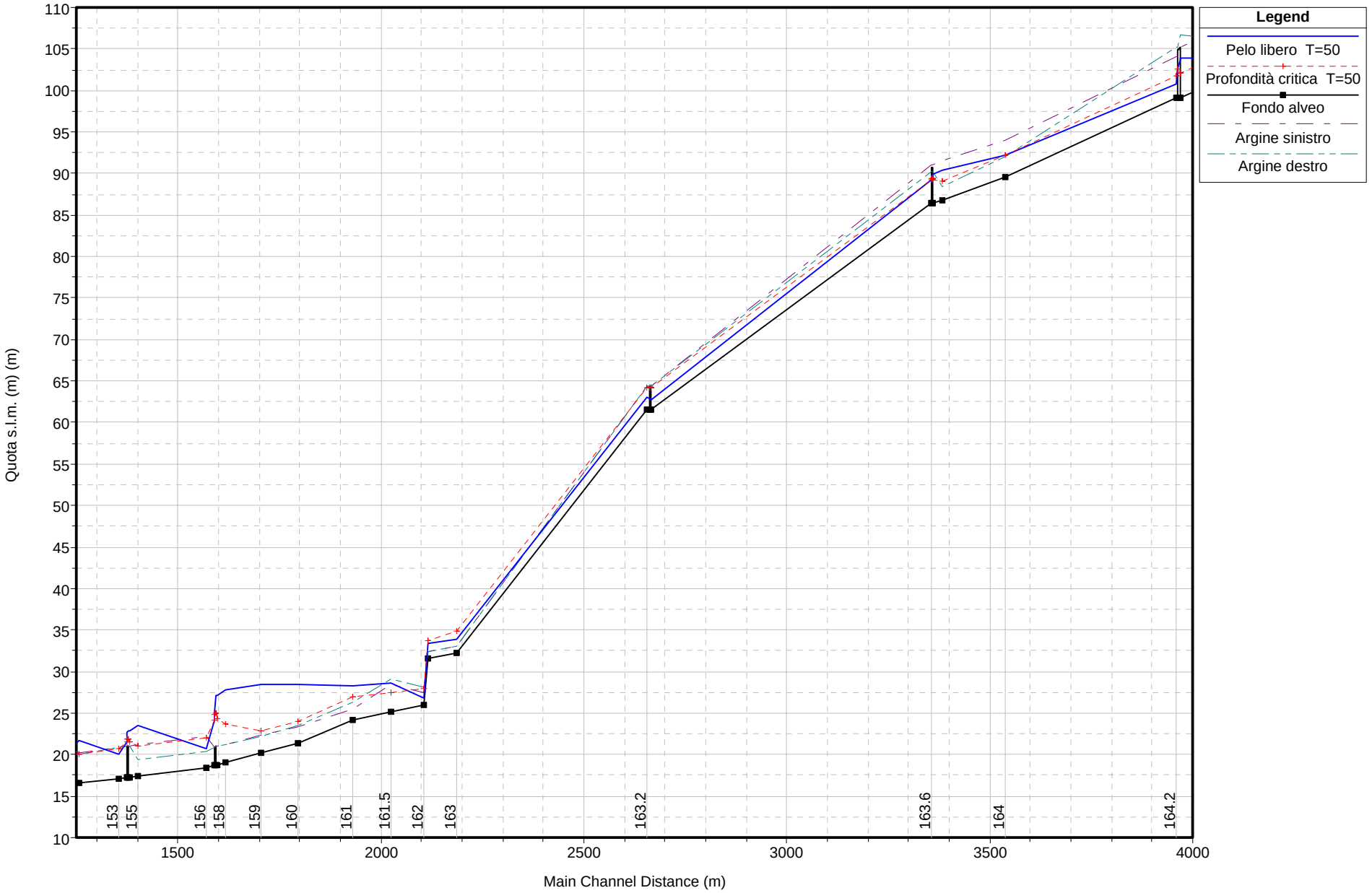
Torrente Aquila – Profilo longitudinale di moto permanente T=50 anni



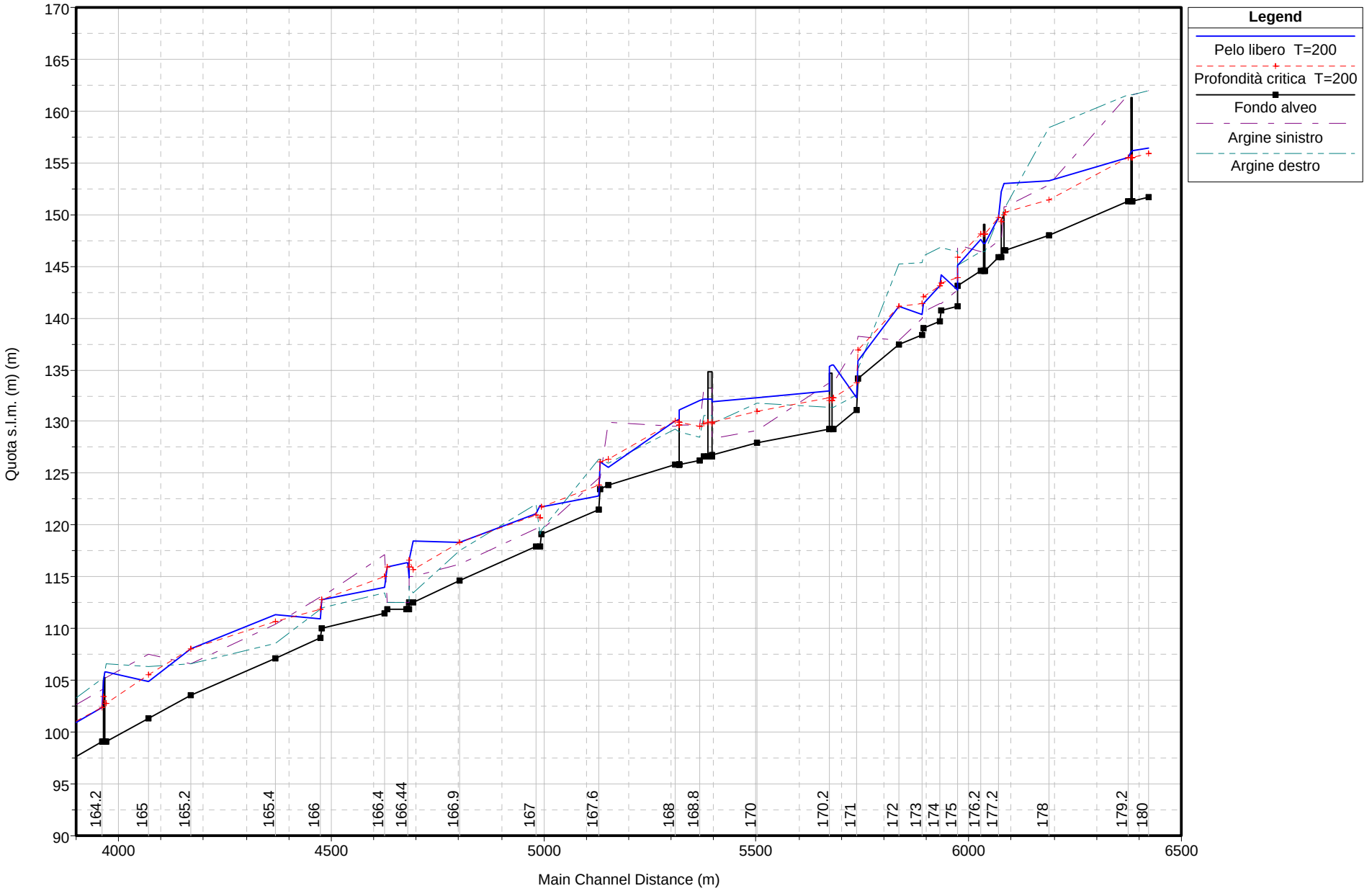
Torrente Aquila – Profilo longitudinale di moto permanente T=200 anni



Torrente Aquila – Profilo longitudinale di moto permanente T=200 anni



Torrente Aquila – Profilo longitudinale di moto permanente T=200 anni



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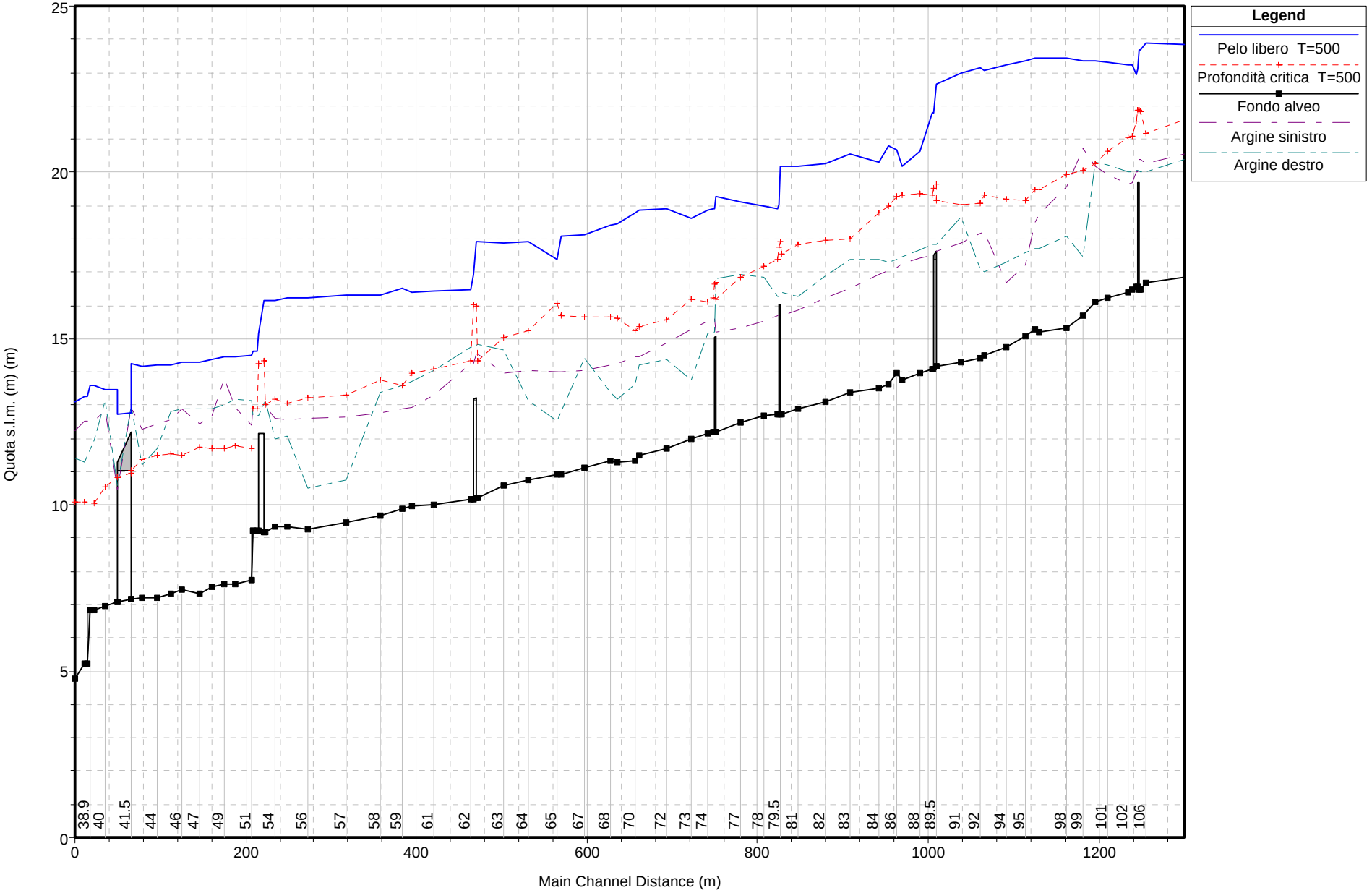
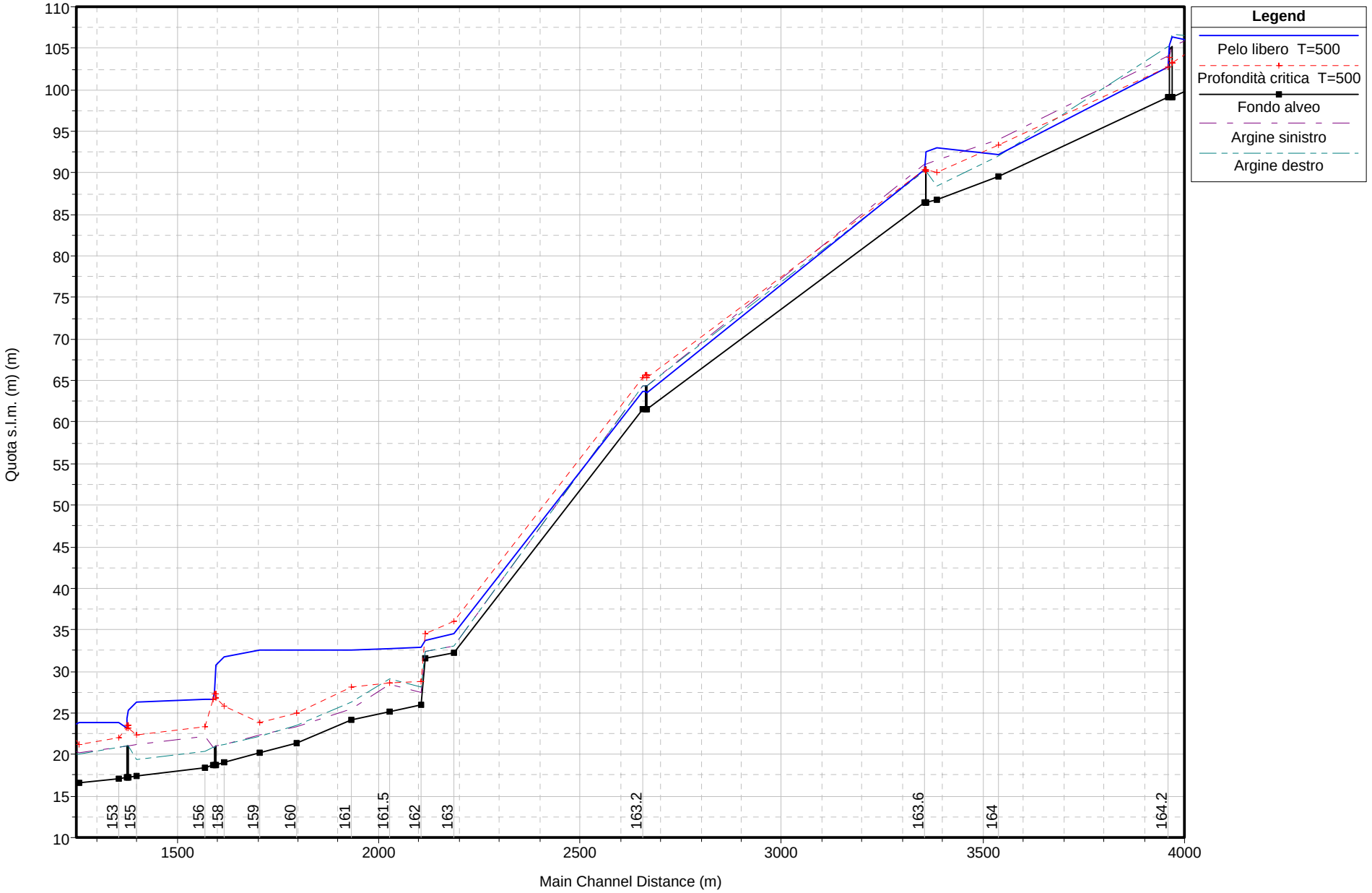
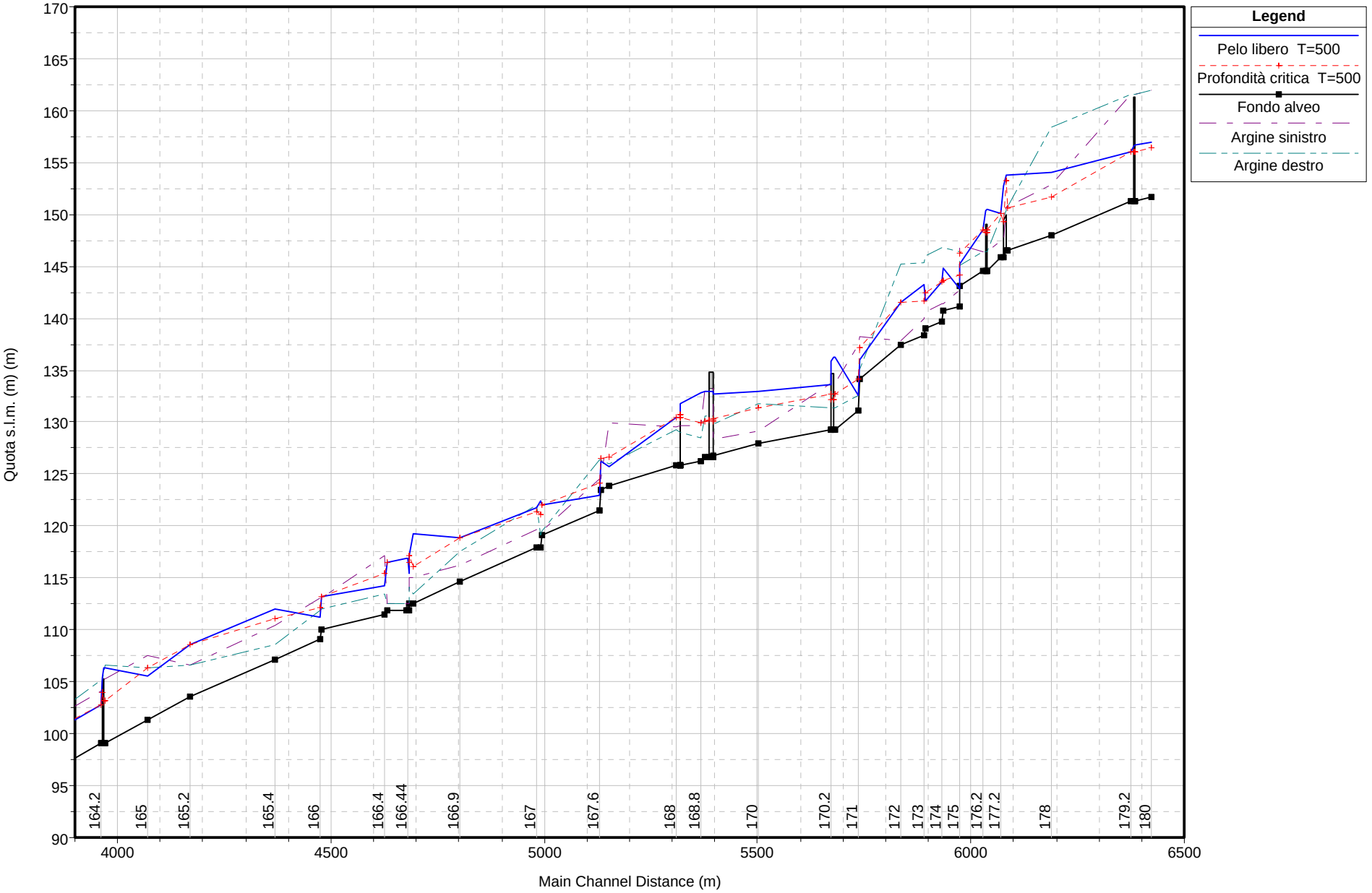


Torrente Aquila – Profilo longitudinale di moto permanente T=500 anni



Torrente Aquila – Profilo longitudinale di moto permanente T=500 anni



GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO LIBERO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI

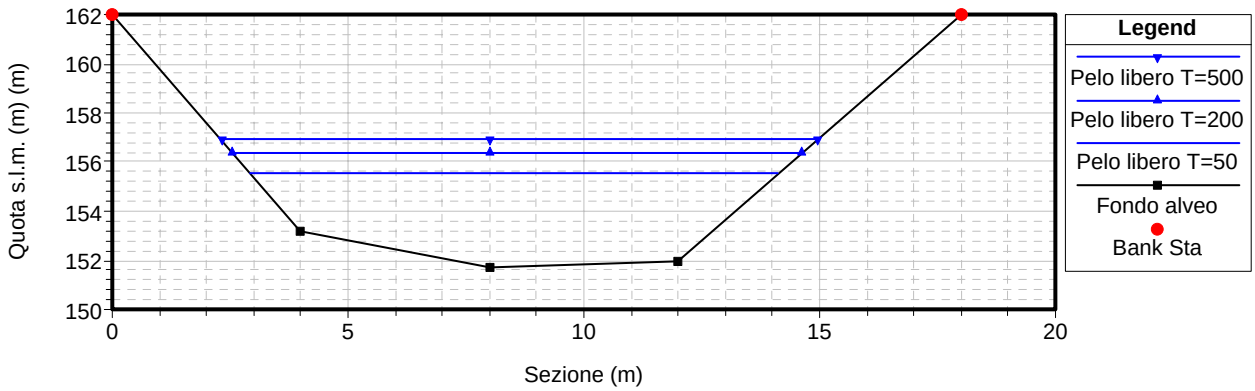
AQUILA

da sez. 180
a sez. 37

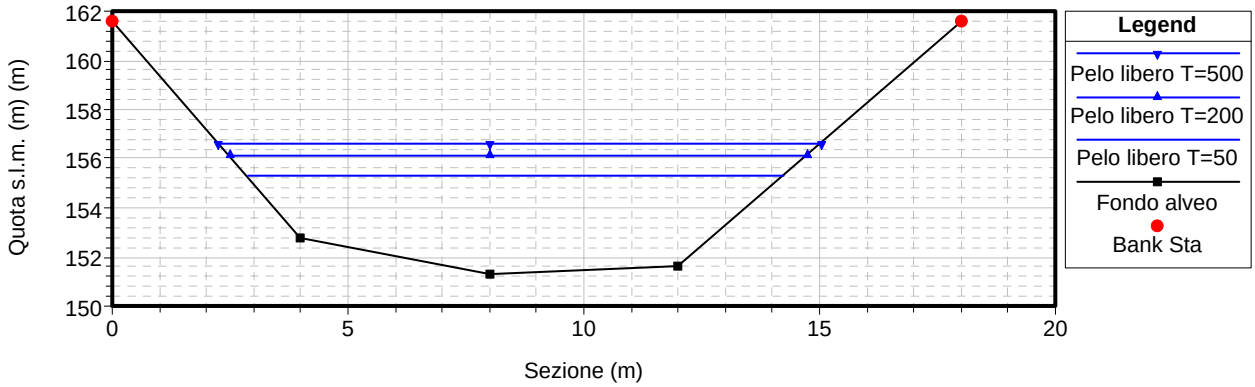
TORRENTE AQUILA

Sezioni trasversali

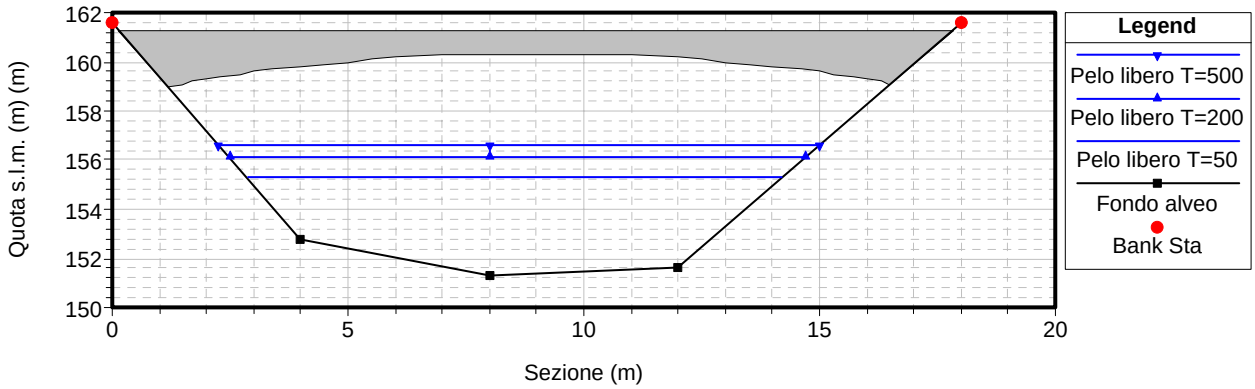
RS = 180



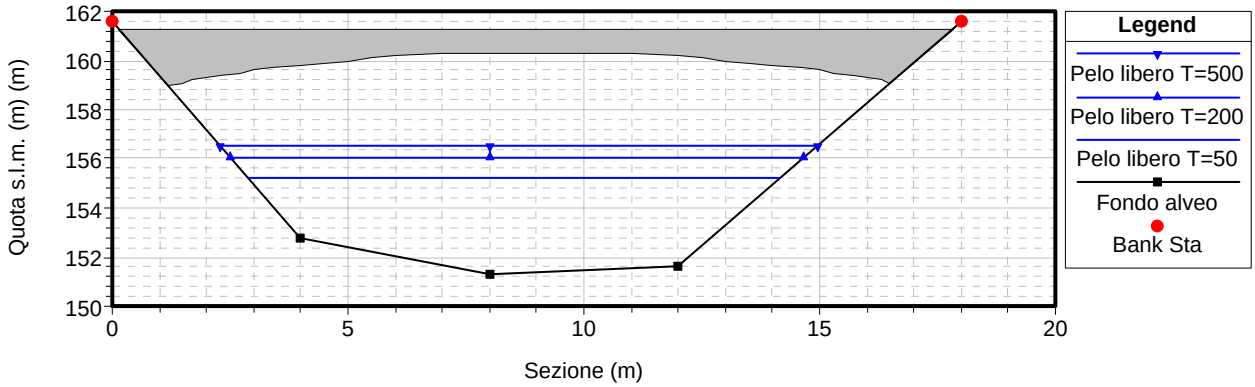
RS = 179.4



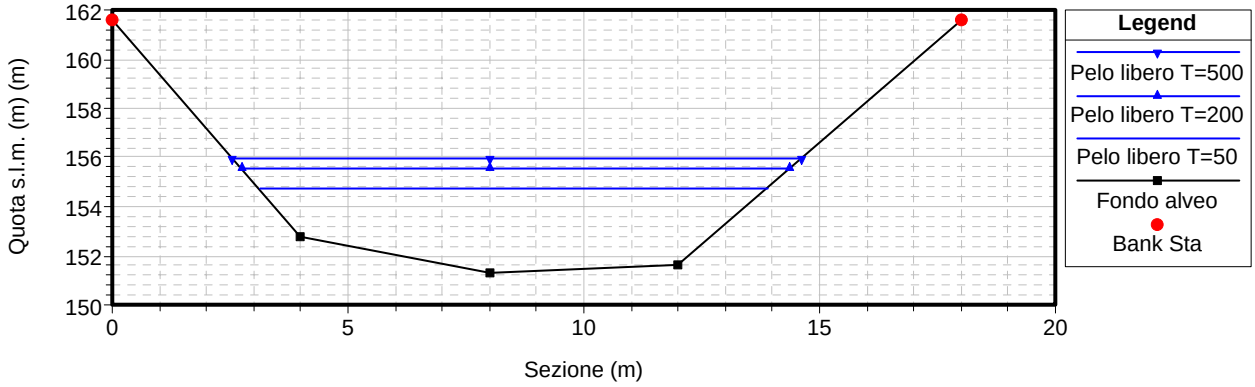
RS = 179.3 BR



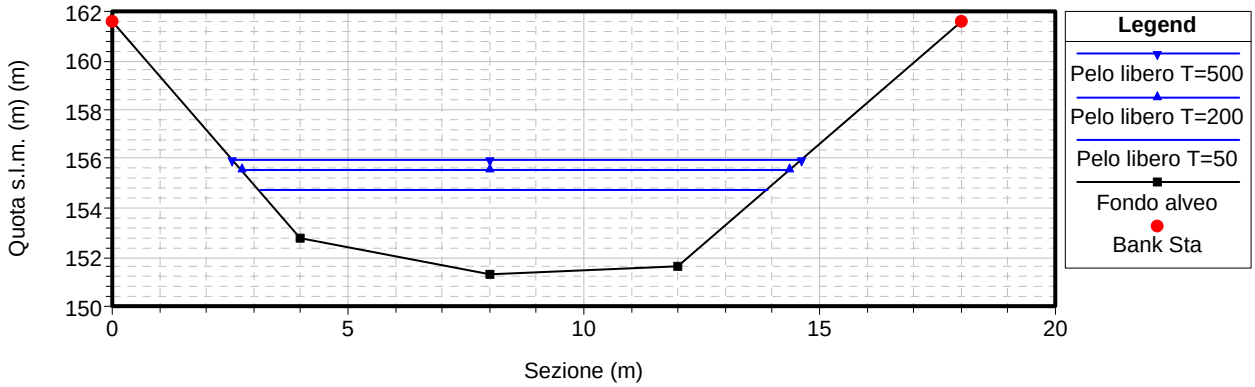
RS = 179.3 BR



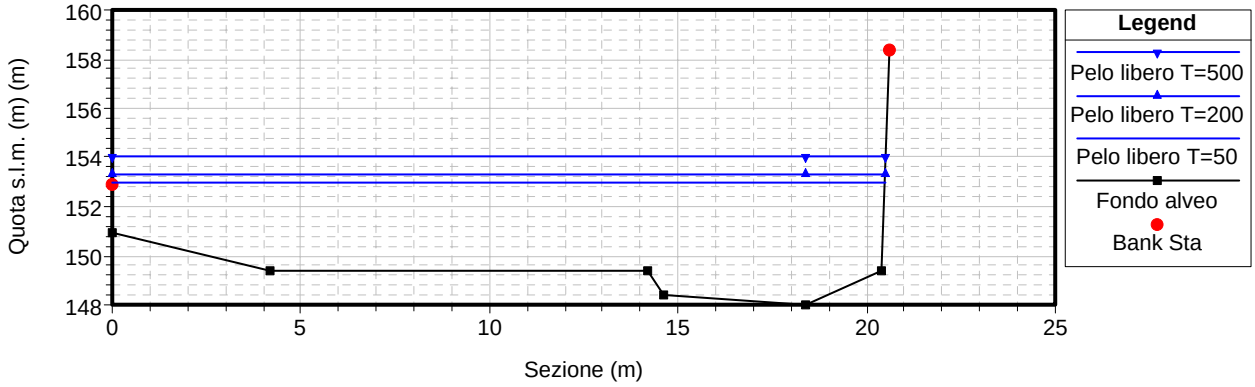
RS = 179.2



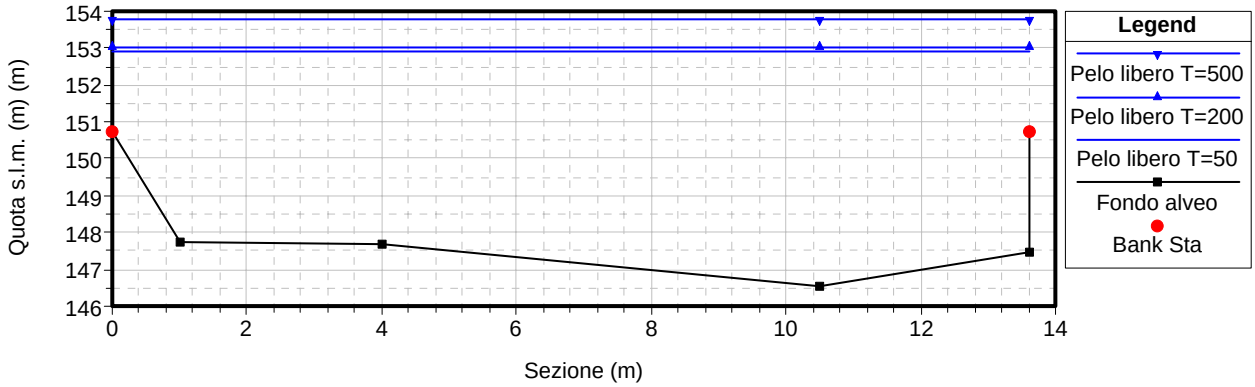
RS = 179.2



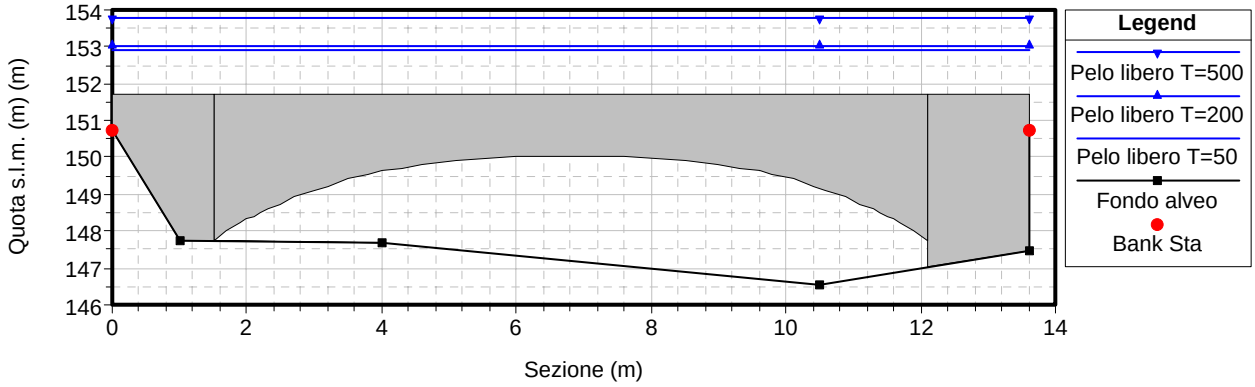
RS = 178



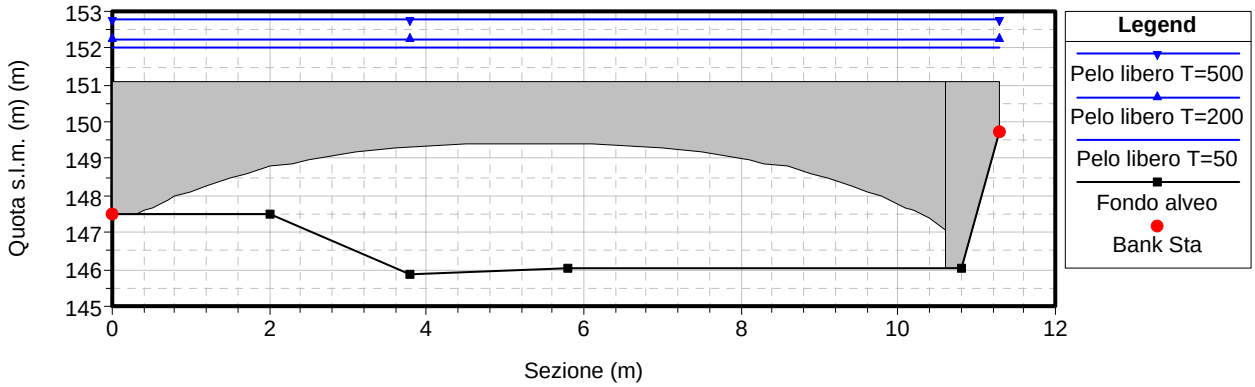
RS = 177.4



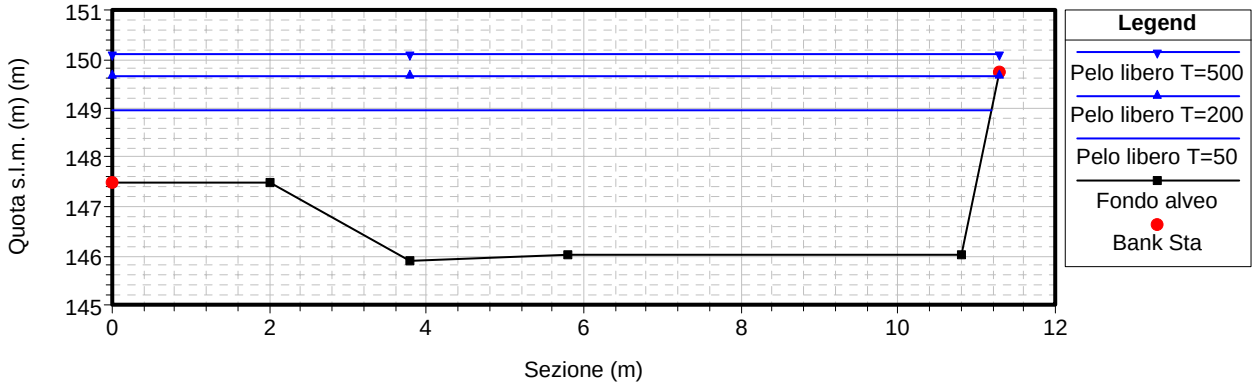
RS = 177.3 BR



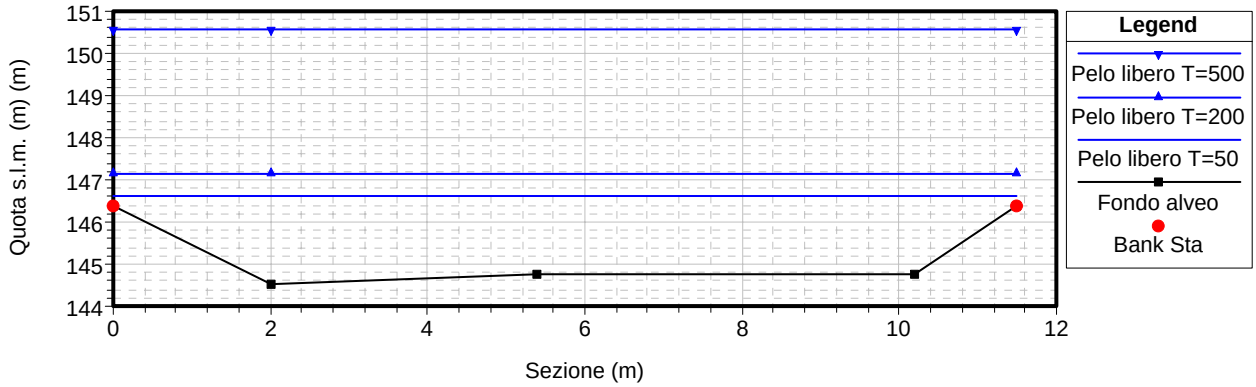
RS = 177.3 BR



RS = 177.2



RS = 176.4



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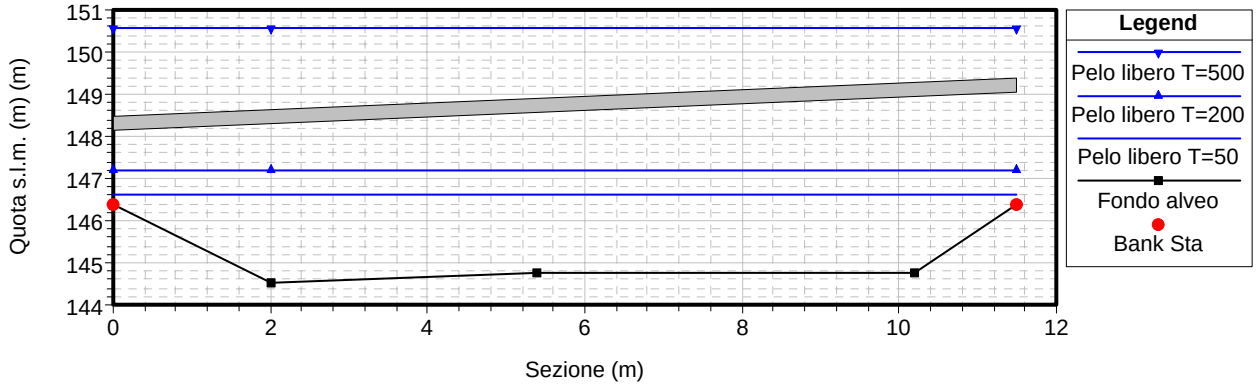
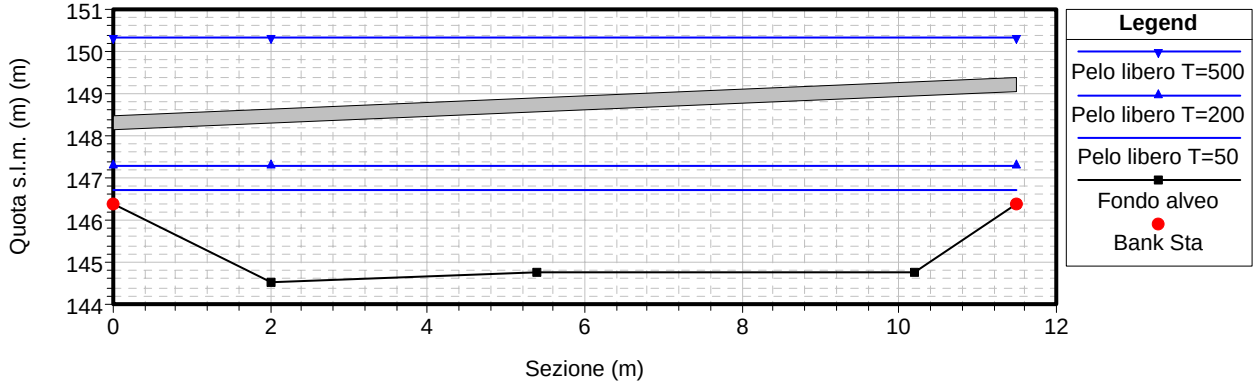
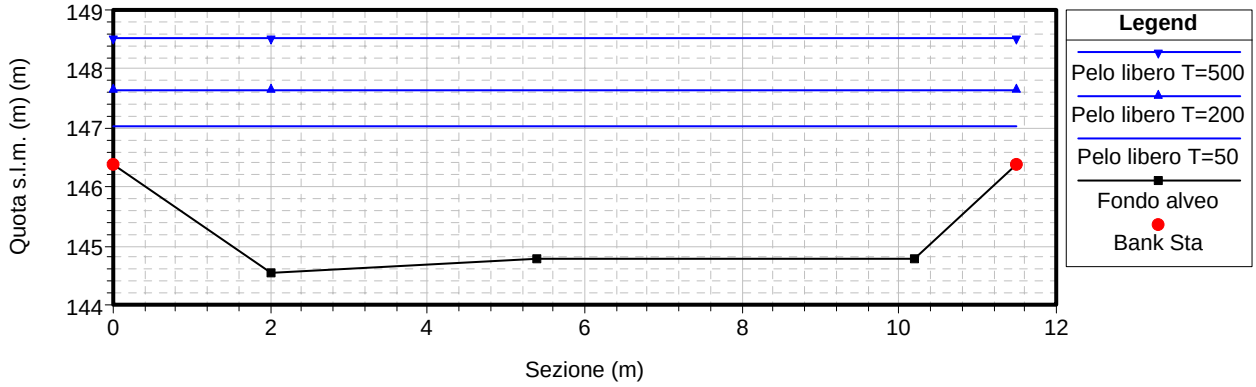


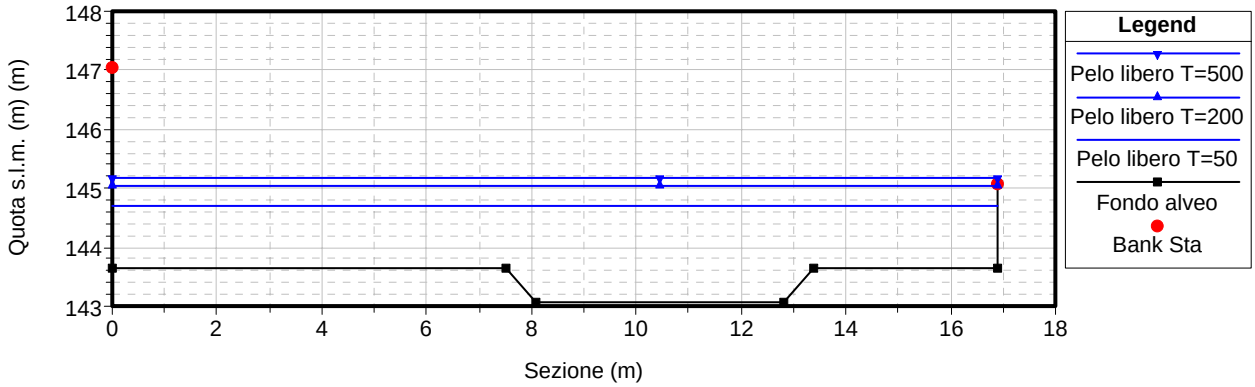
RS = 176.3 BR



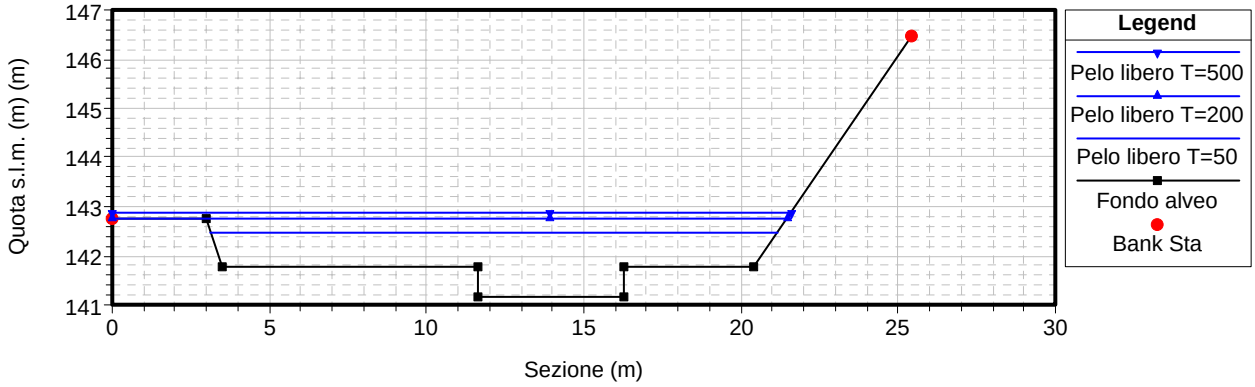
RS = 176.2



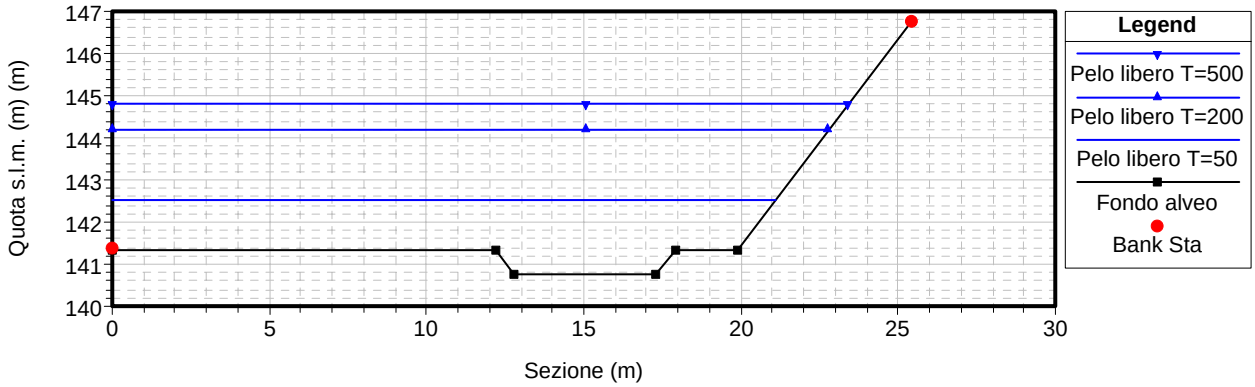
RS = 175.1



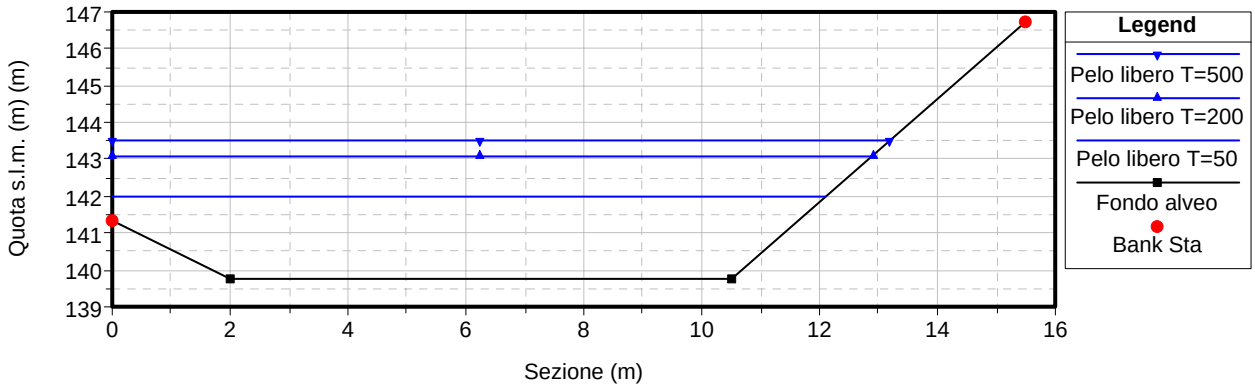
RS = 175



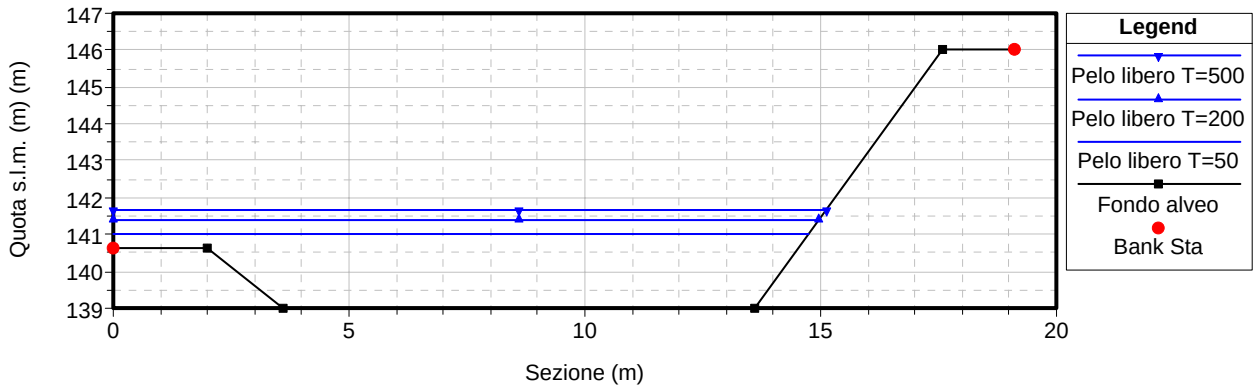
RS = 174.1



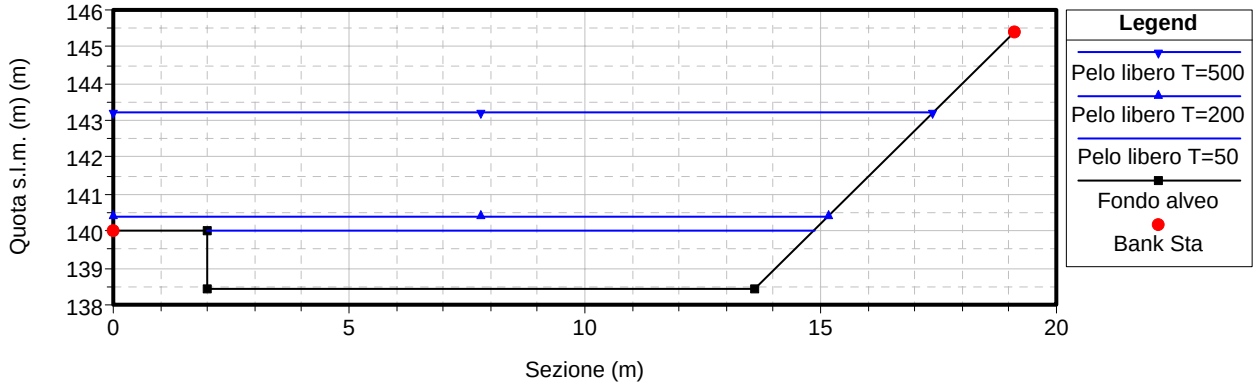
RS = 174



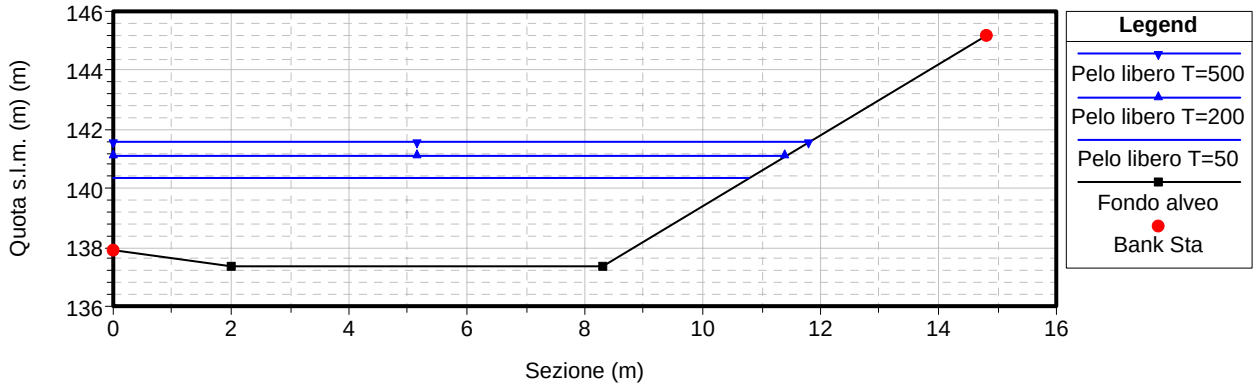
RS = 173.1



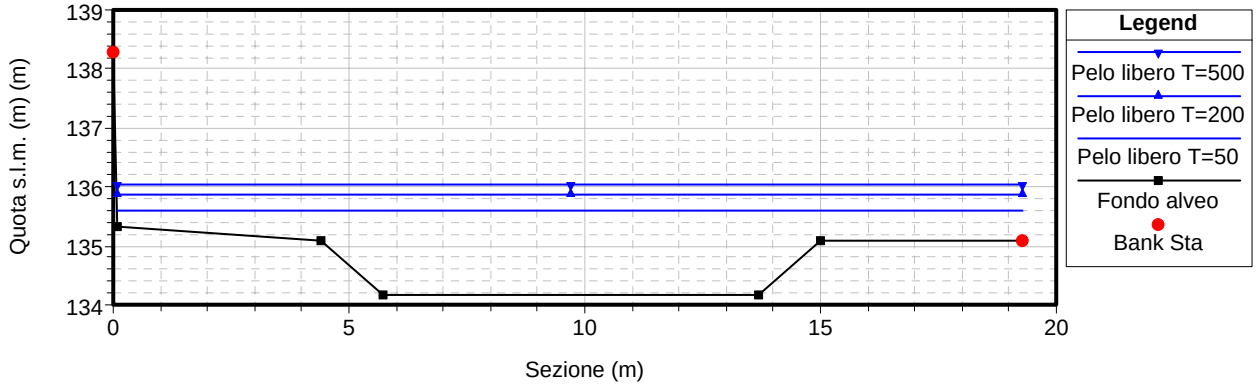
RS = 173



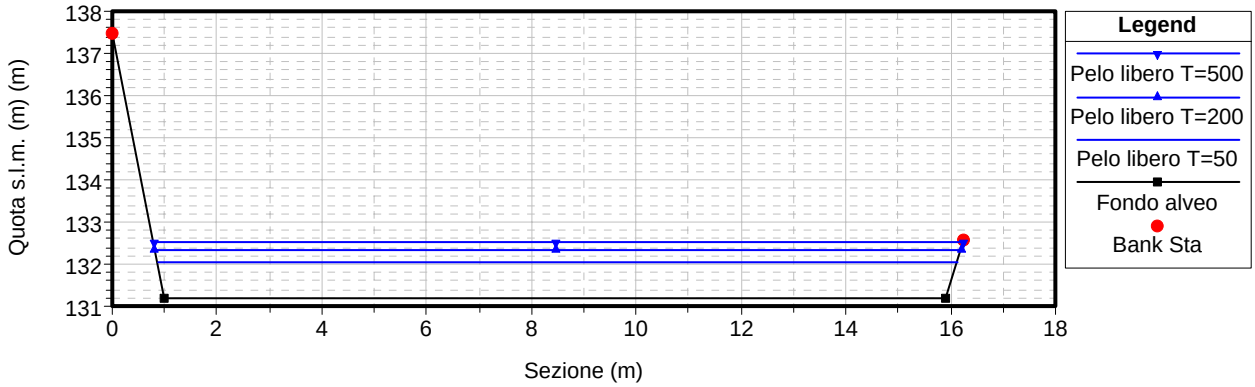
RS = 172



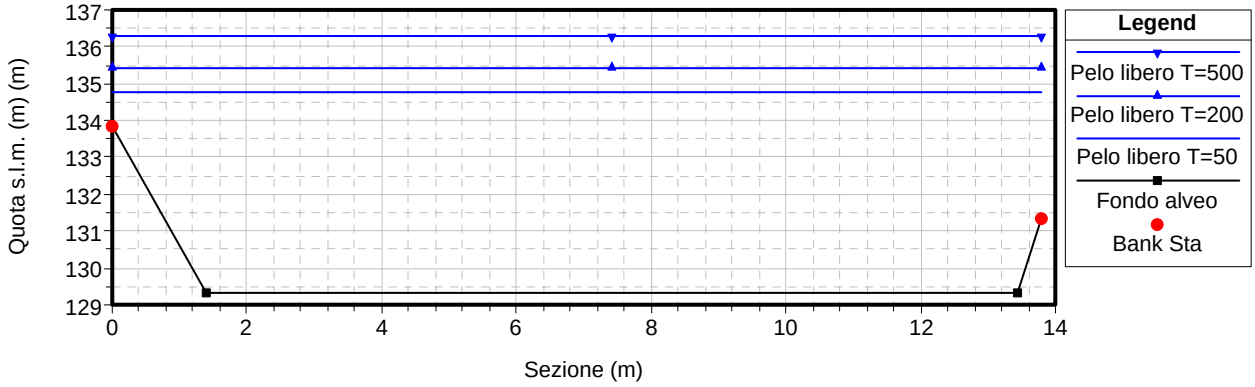
RS = 171.1



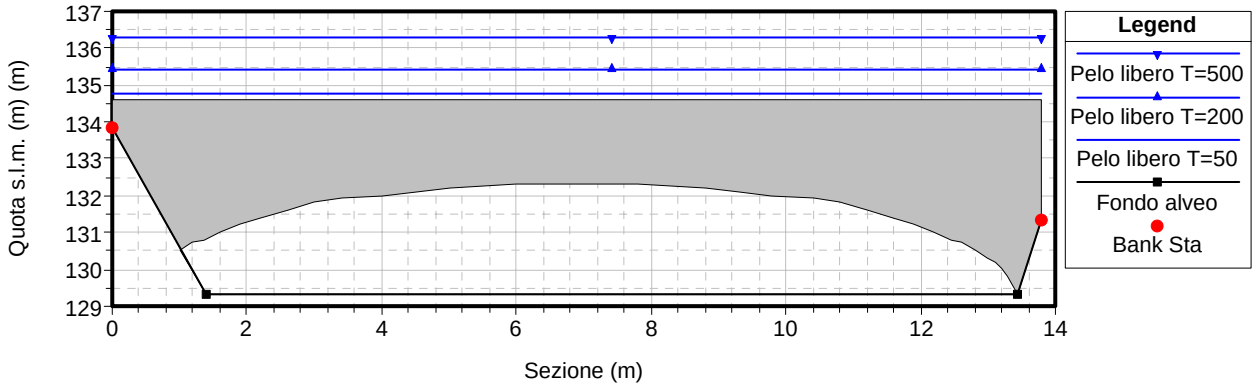
RS = 171



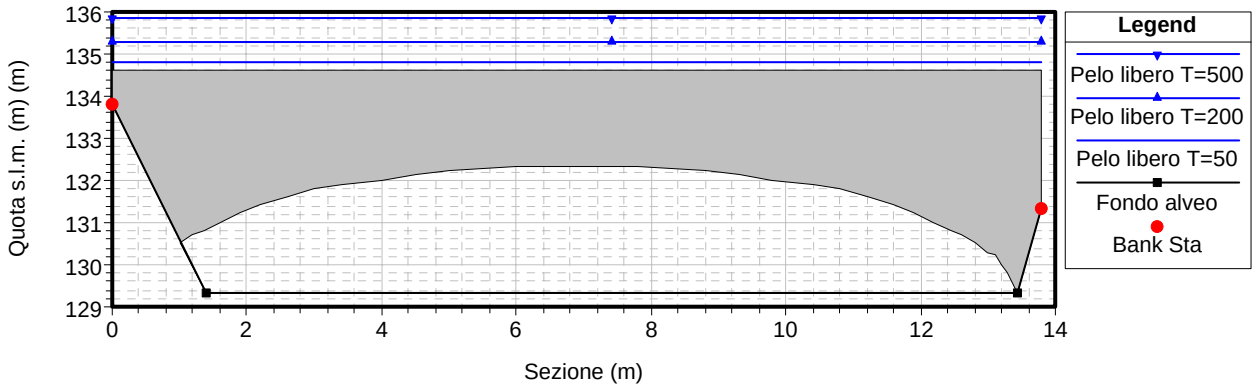
RS = 170.4



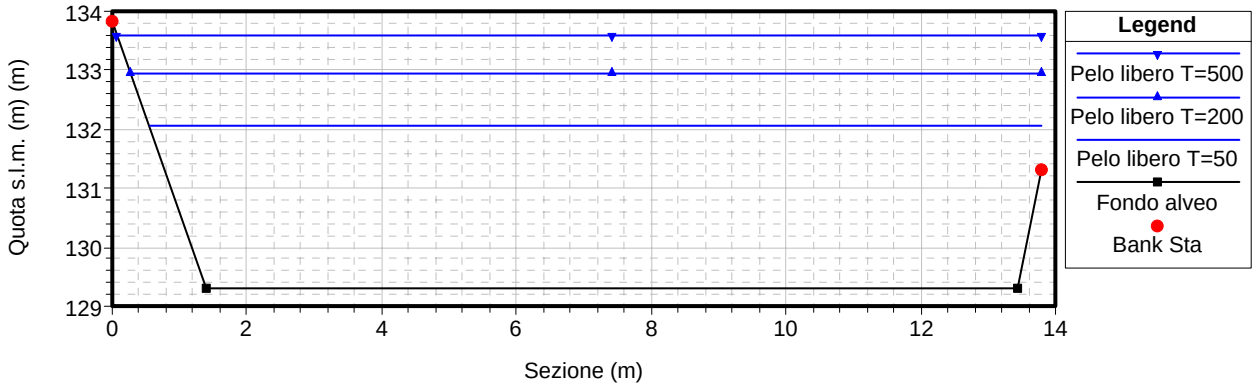
RS = 170.3 BR



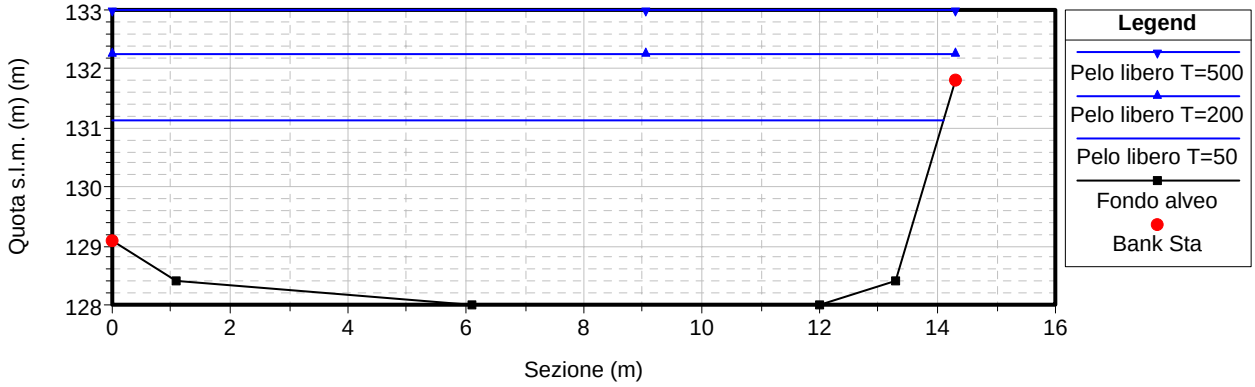
RS = 170.3 BR



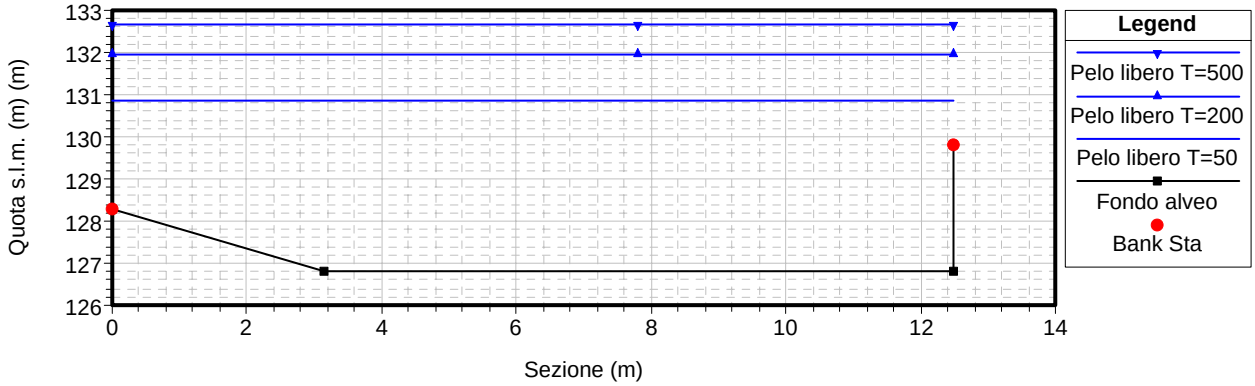
RS = 170.2



RS = 170



RS = 169.6



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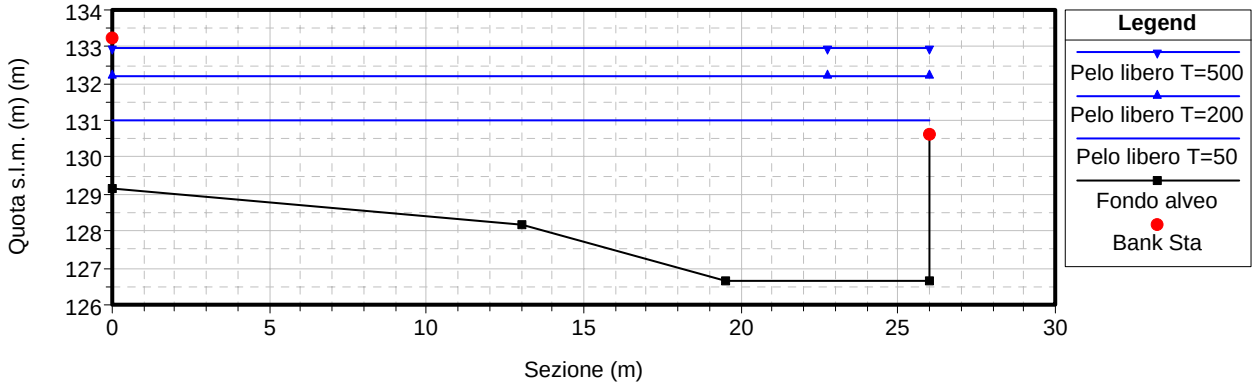
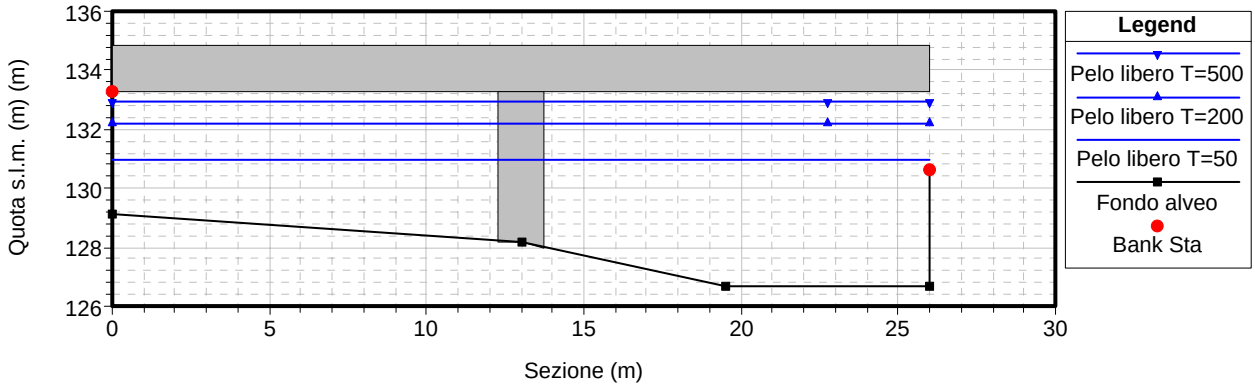
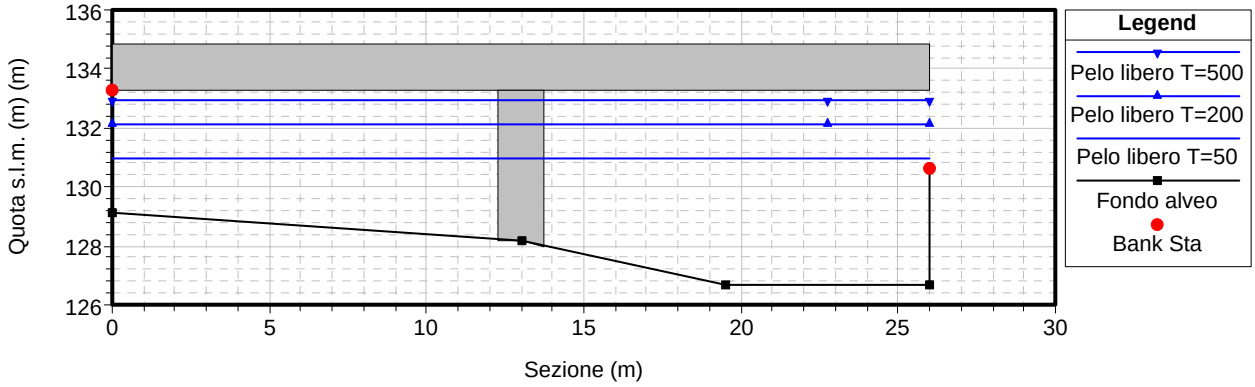


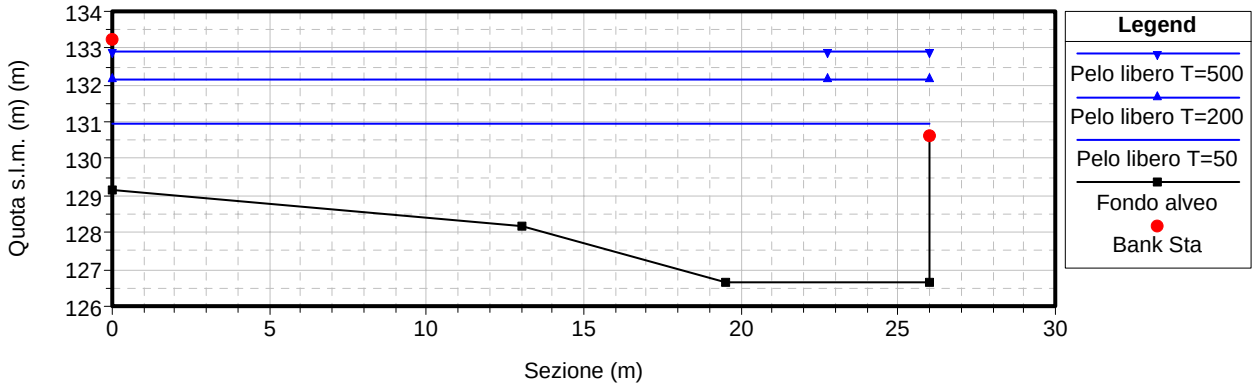
RS = 169.3 BR



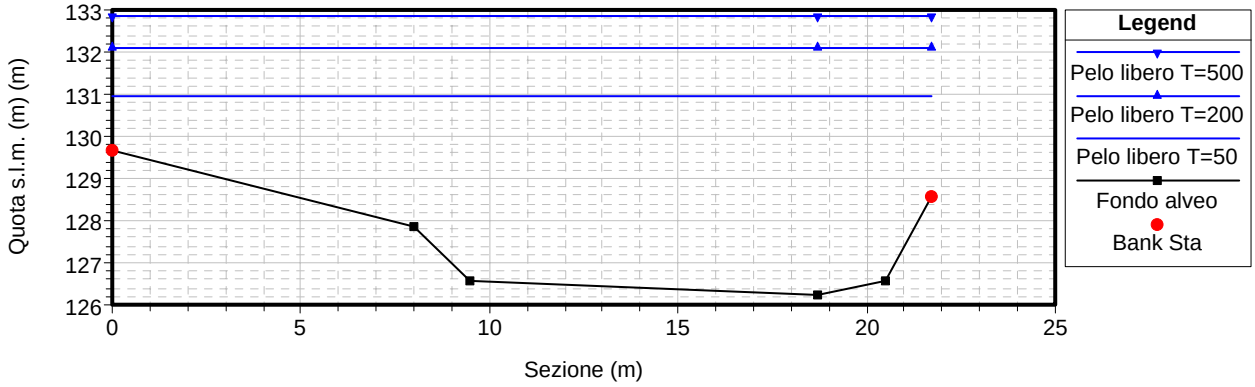
RS = 169.3 BR



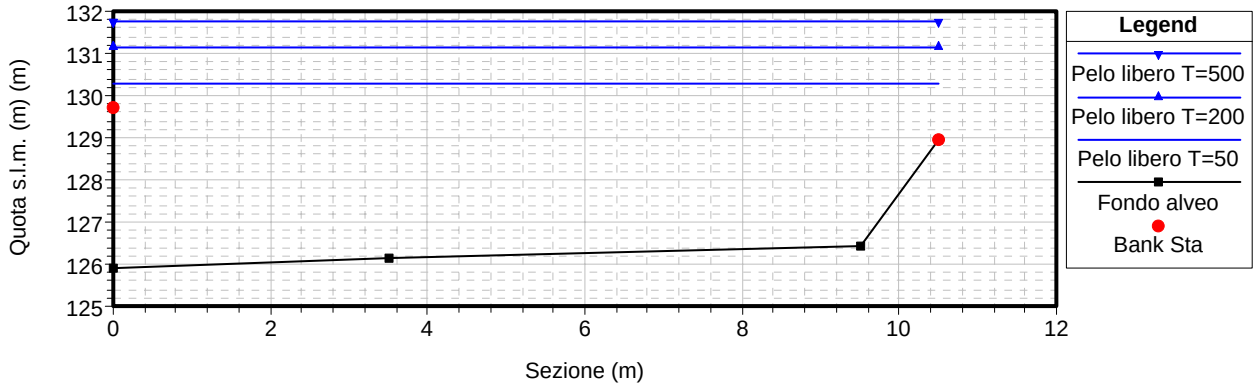
RS = 169.2



RS = 168.8



RS = 168.4



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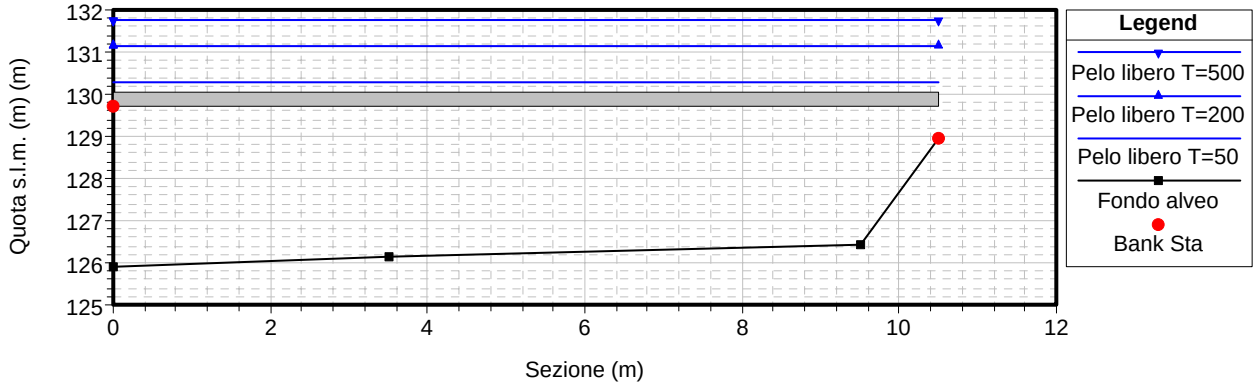

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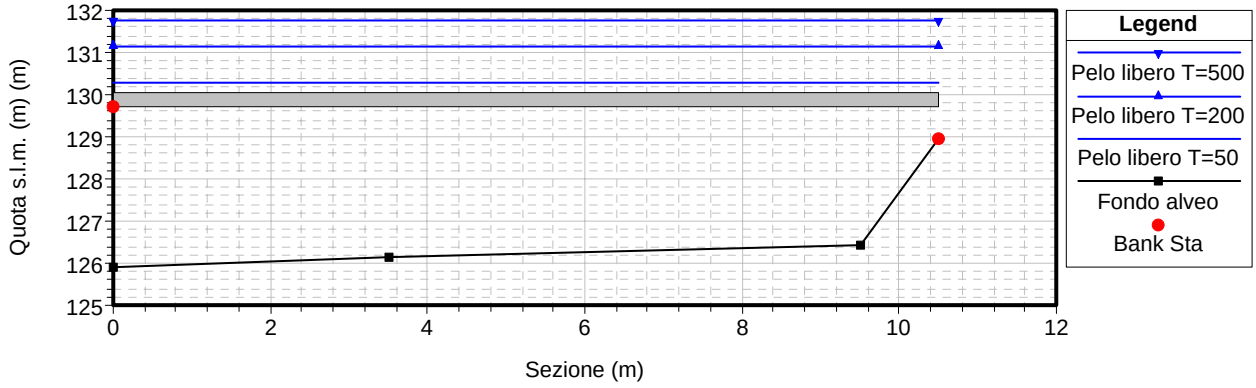
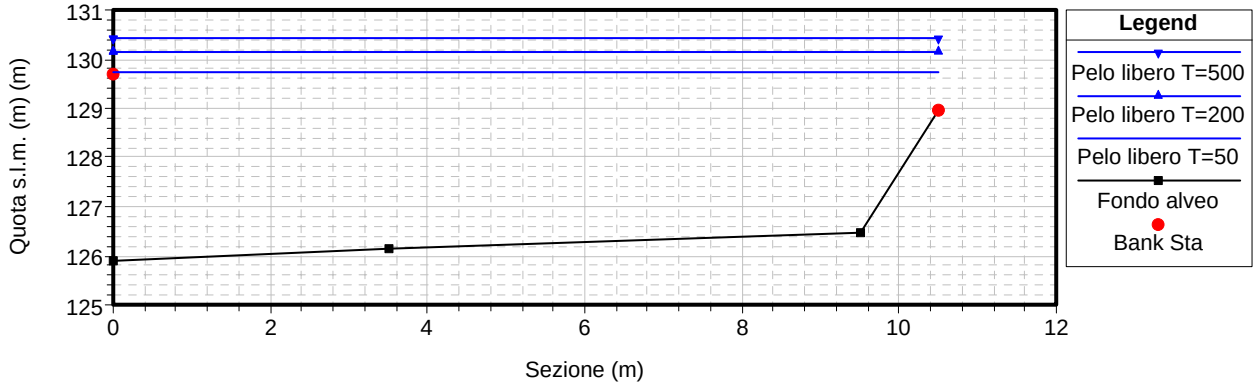
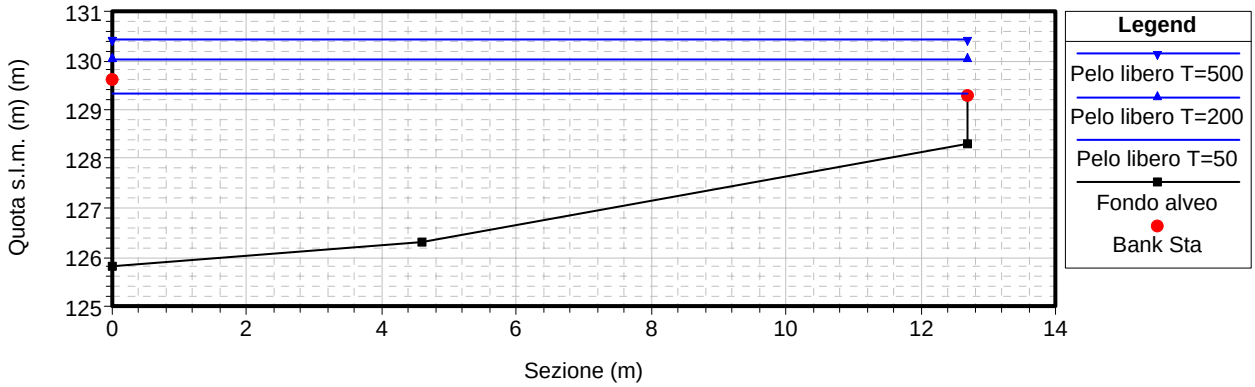


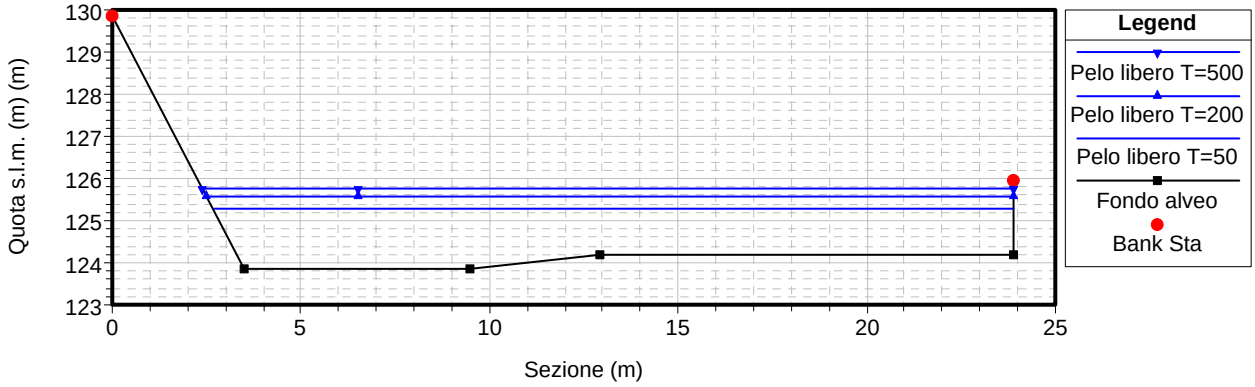
RS = 168.2



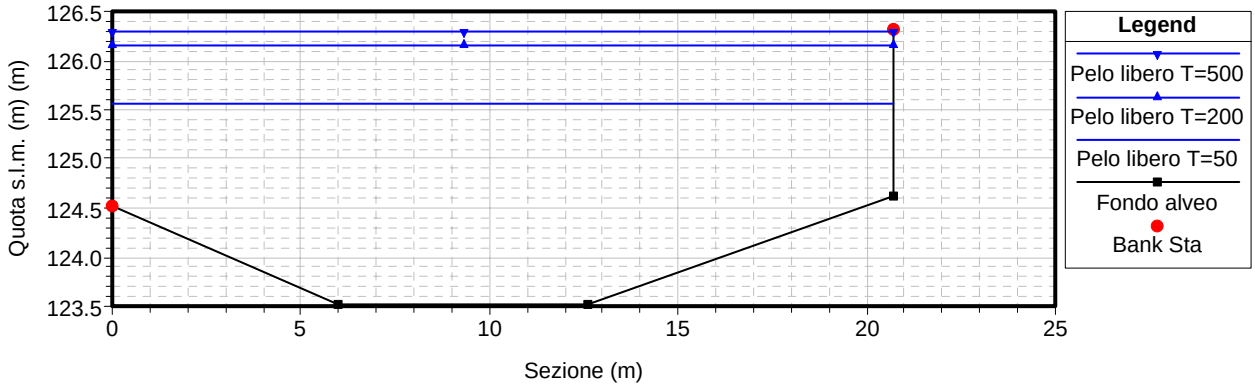
RS = 168



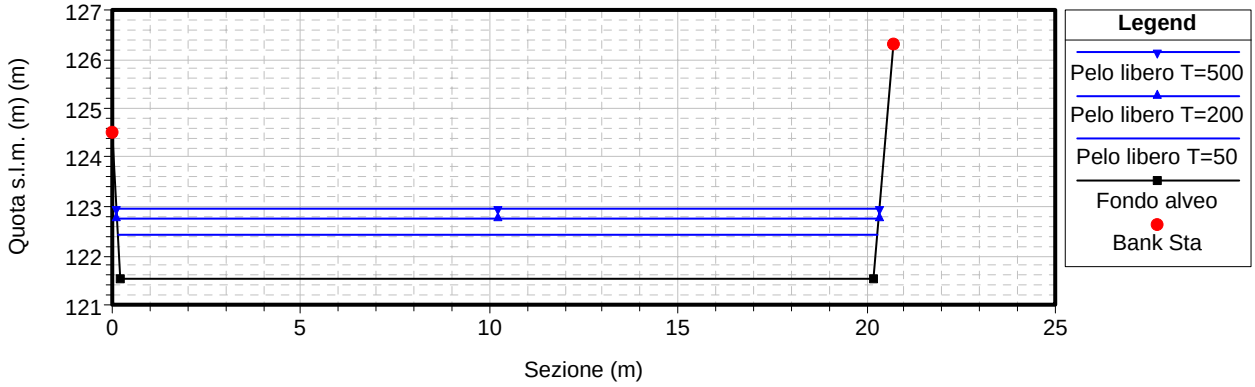
RS = 167.9



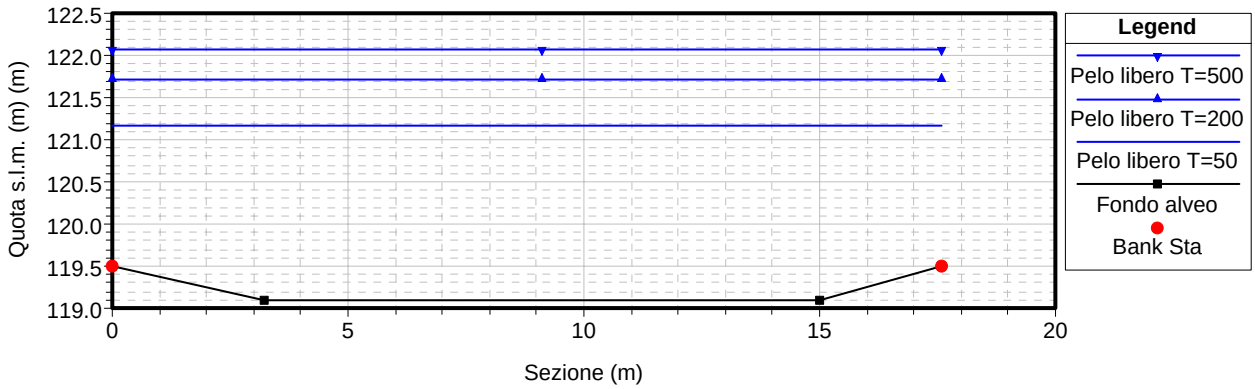
RS = 167.8



RS = 167.6



RS = 167.4



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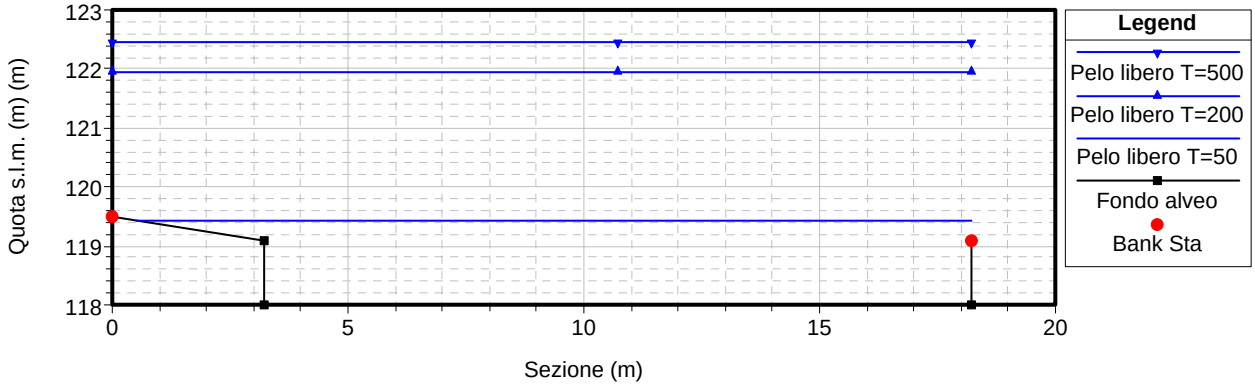

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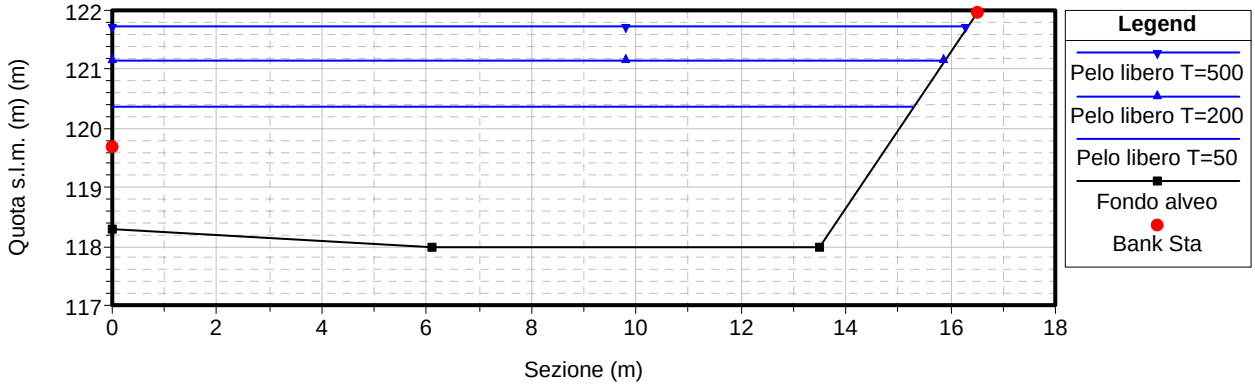
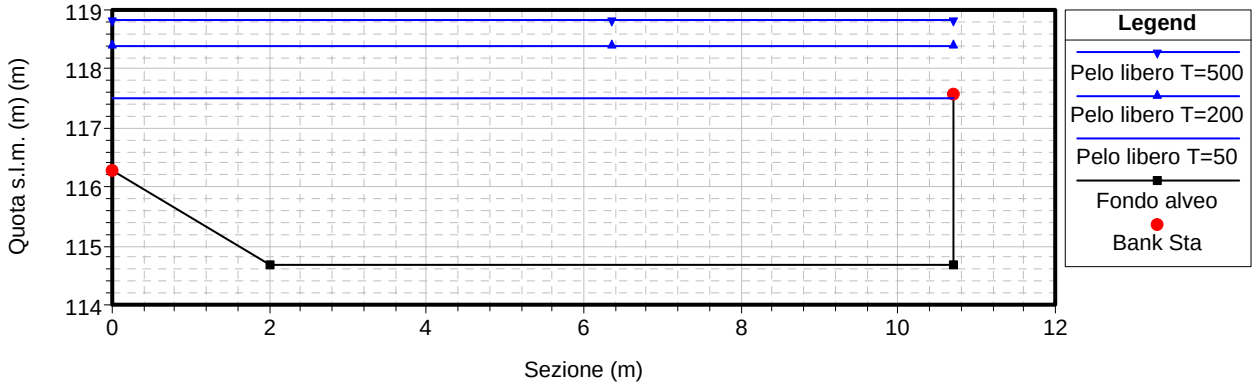
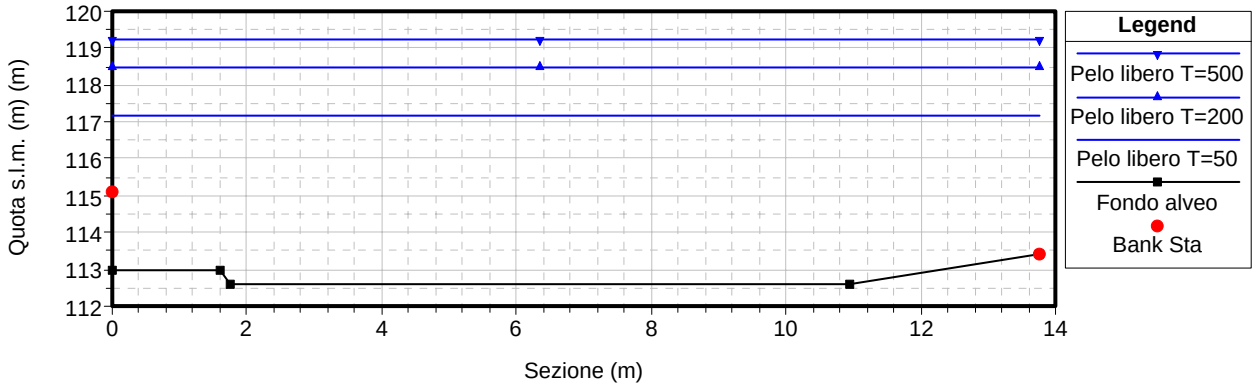


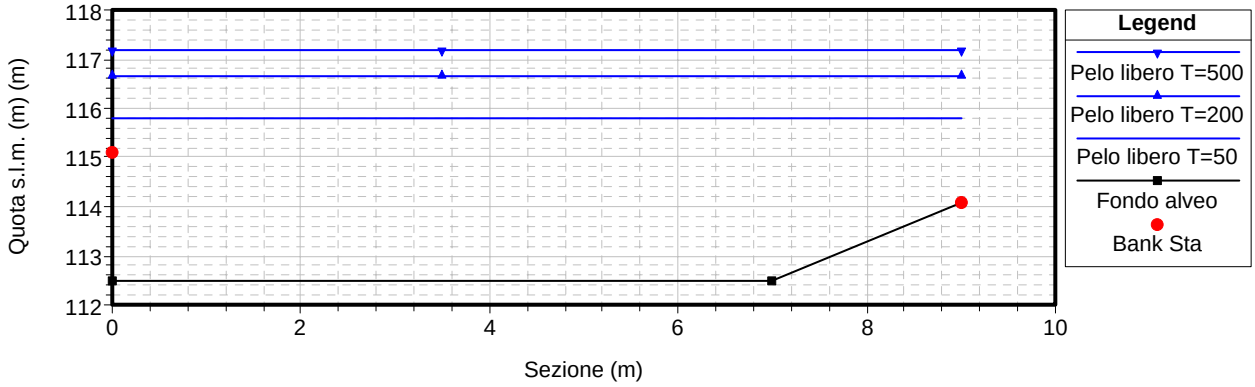
RS = 166.9



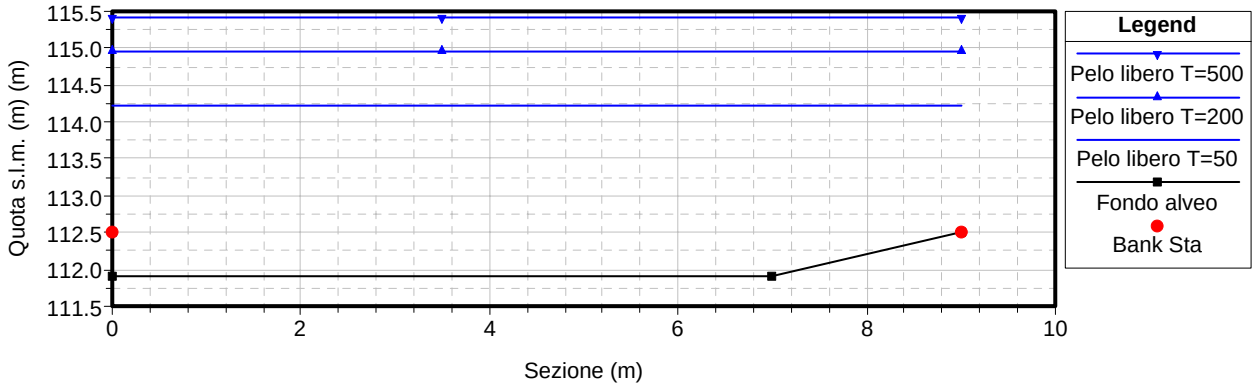
RS = 166.8



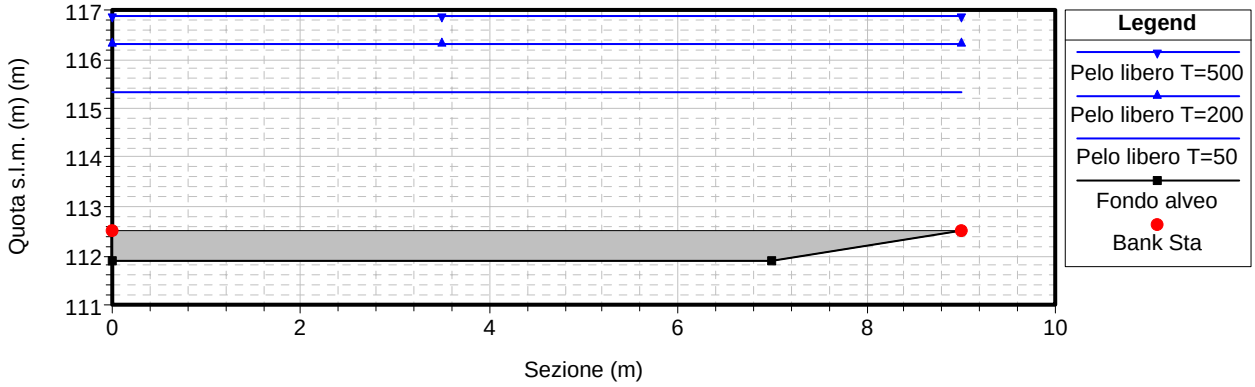
RS = 166.7



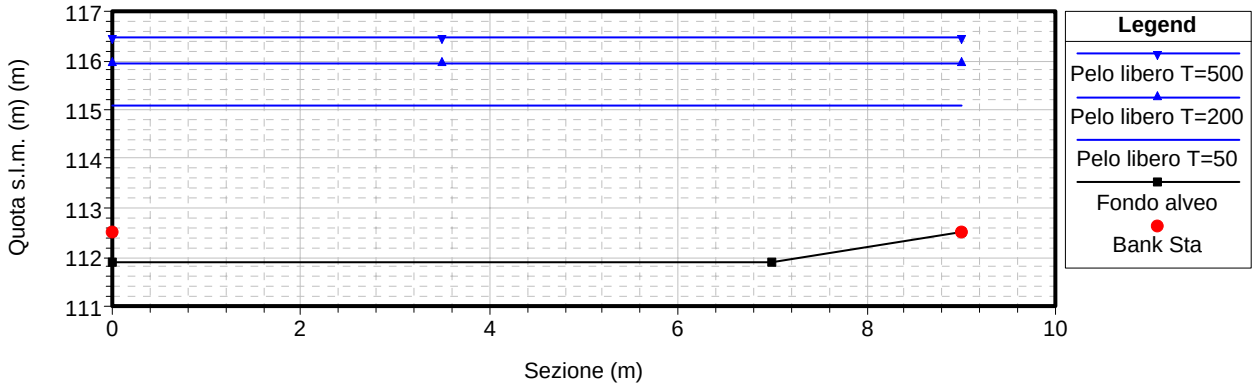
RS = 166.45



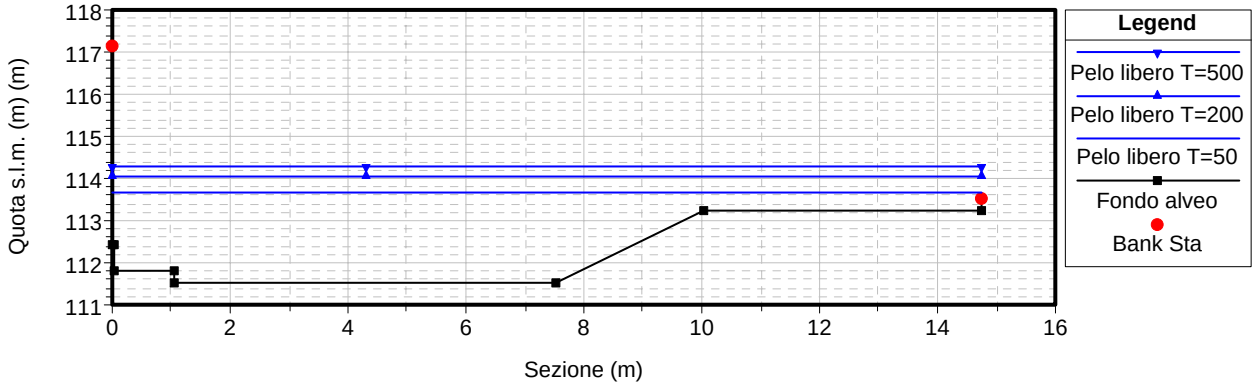
RS = 166.44 IS



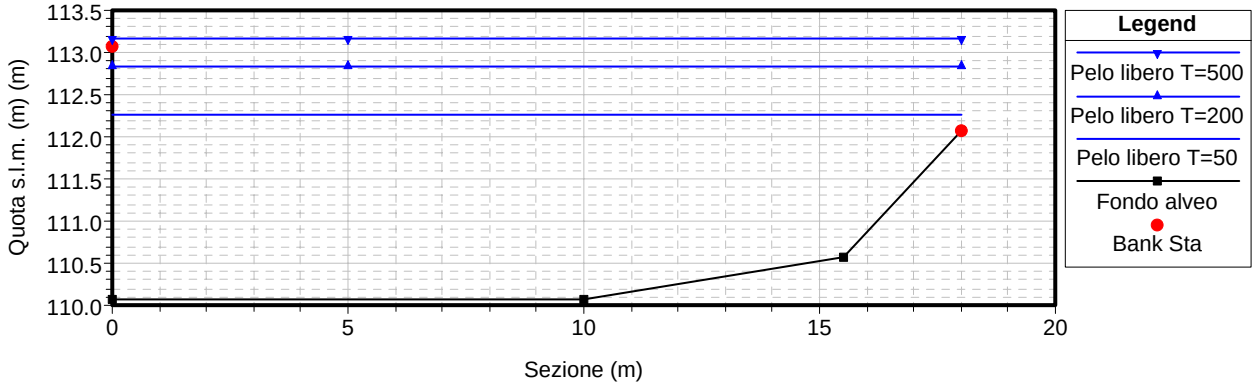
RS = 166.42



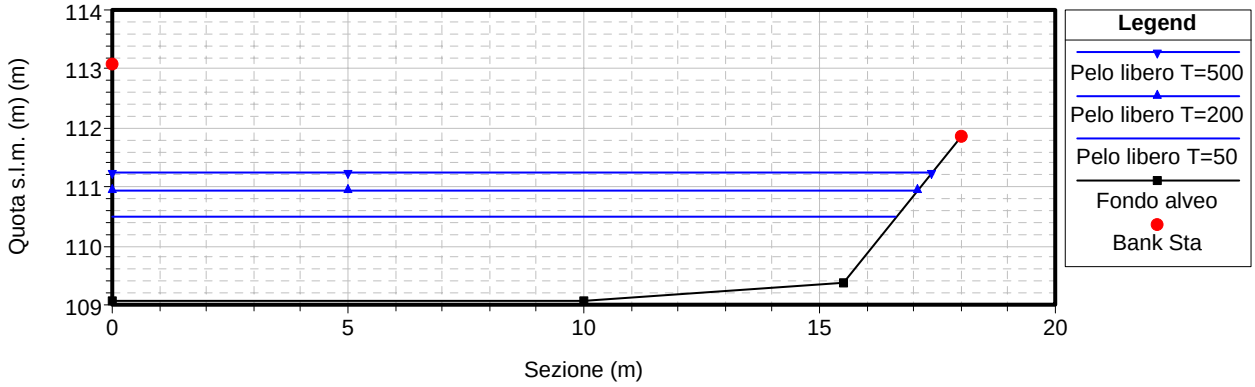
RS = 166.4



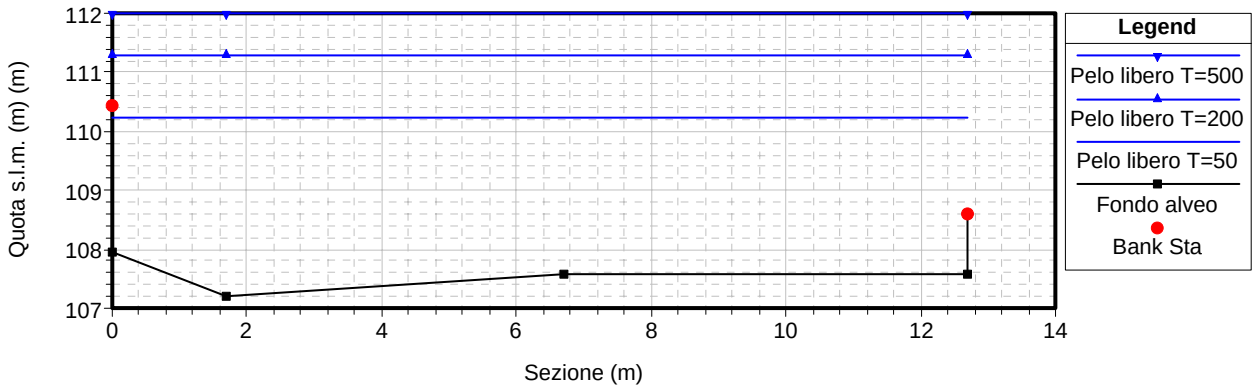
RS = 166.2



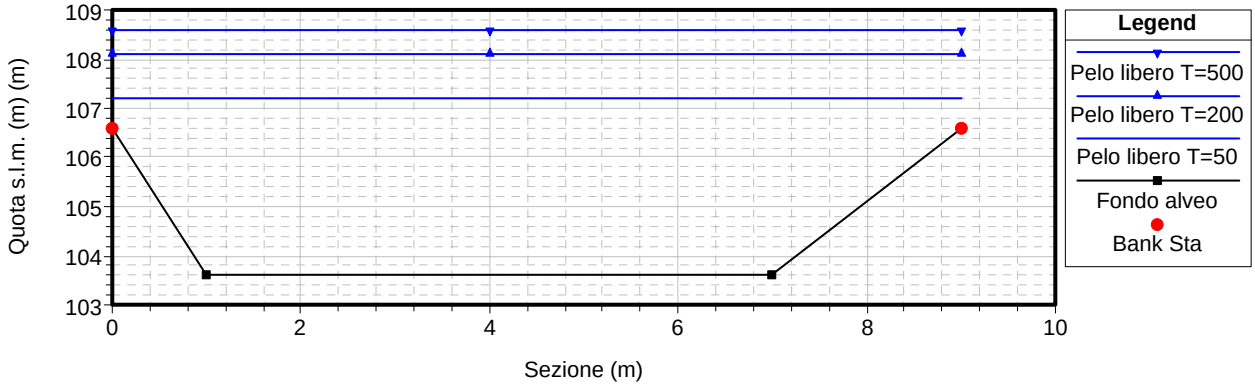
RS = 166



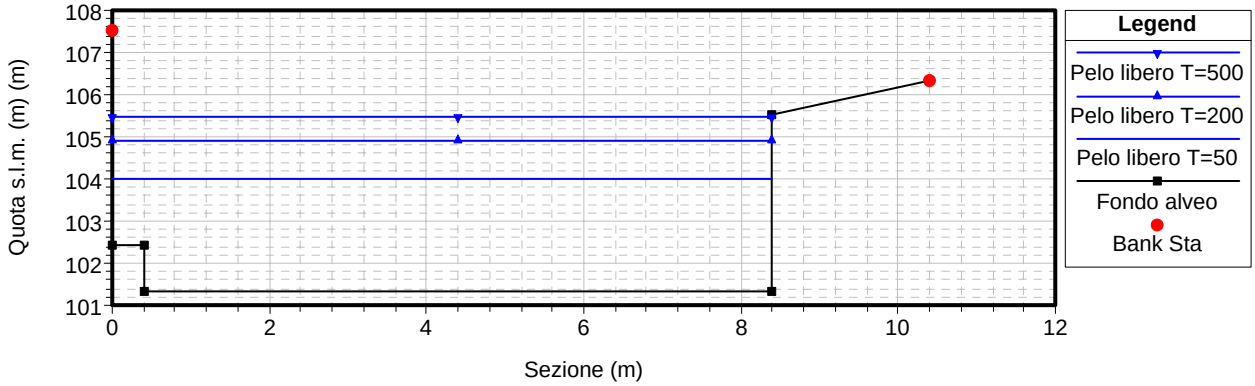
RS = 165.4



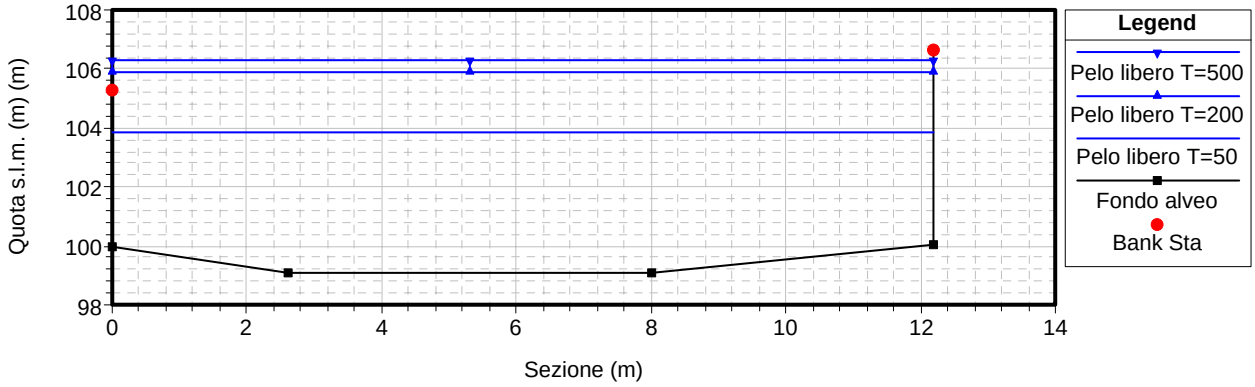
RS = 165.2



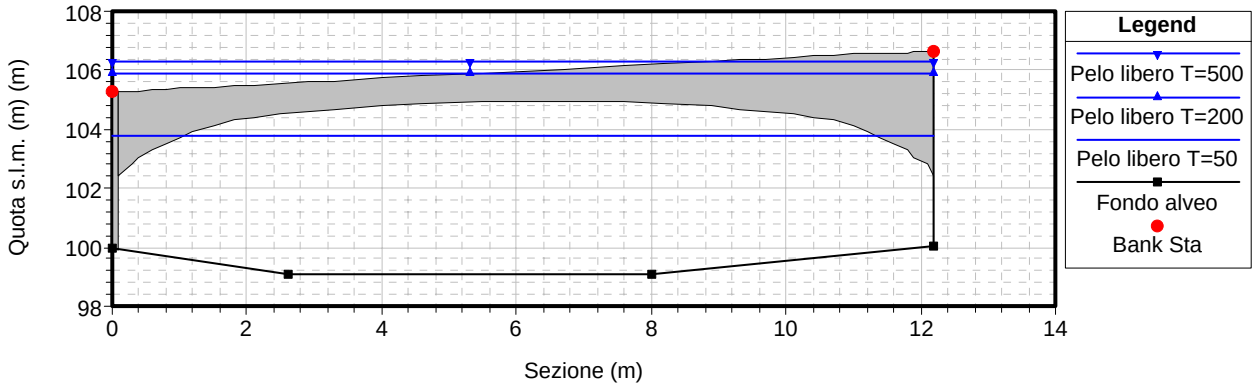
RS = 165



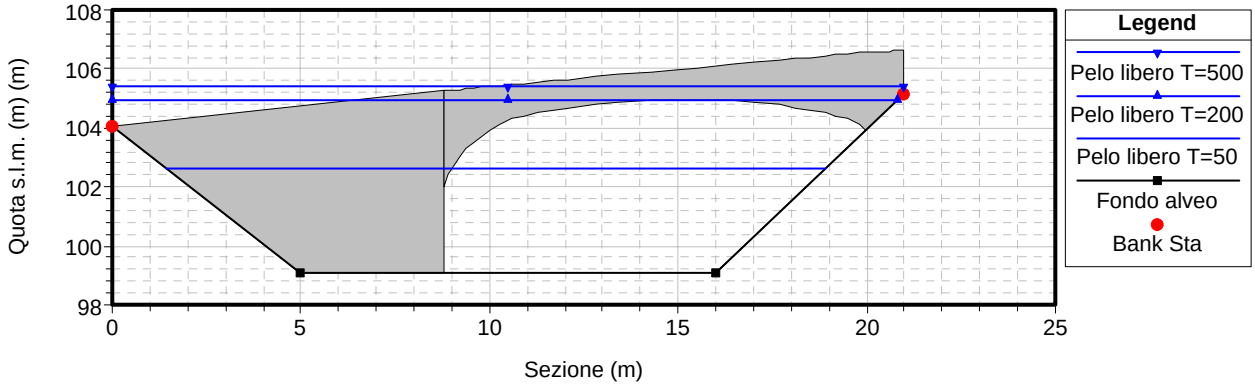
RS = 164.4



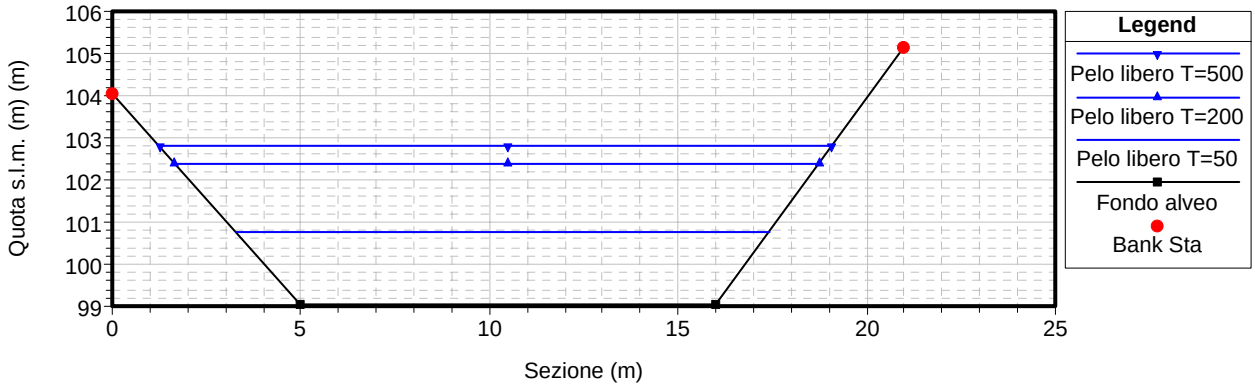
RS = 164.3 BR



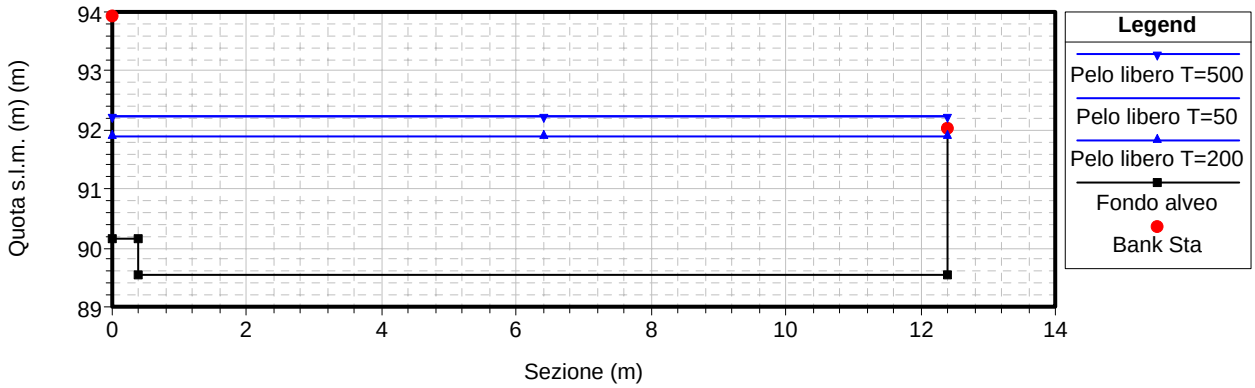
RS = 164.3 BR



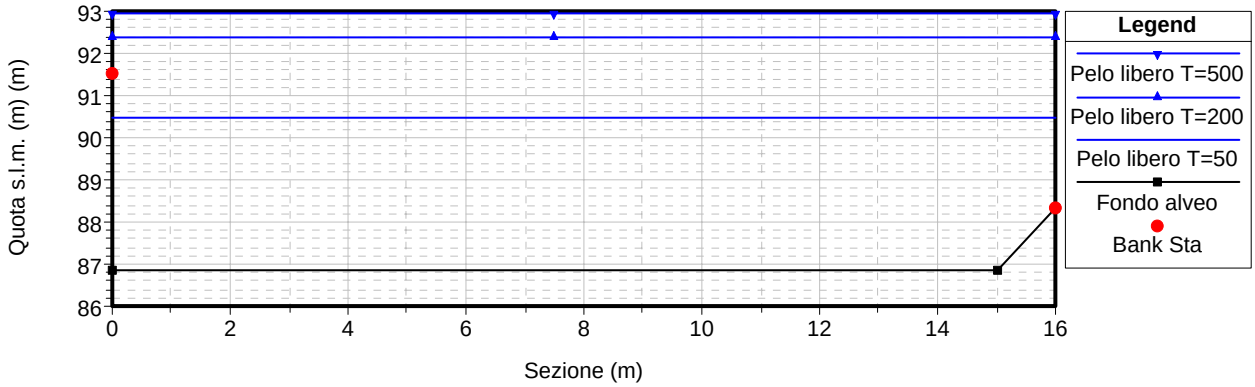
RS = 164.2



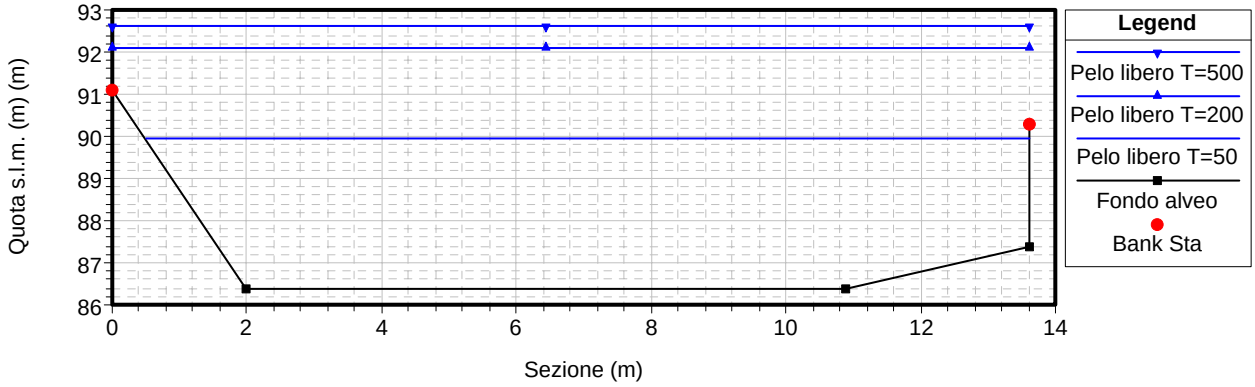
RS = 164



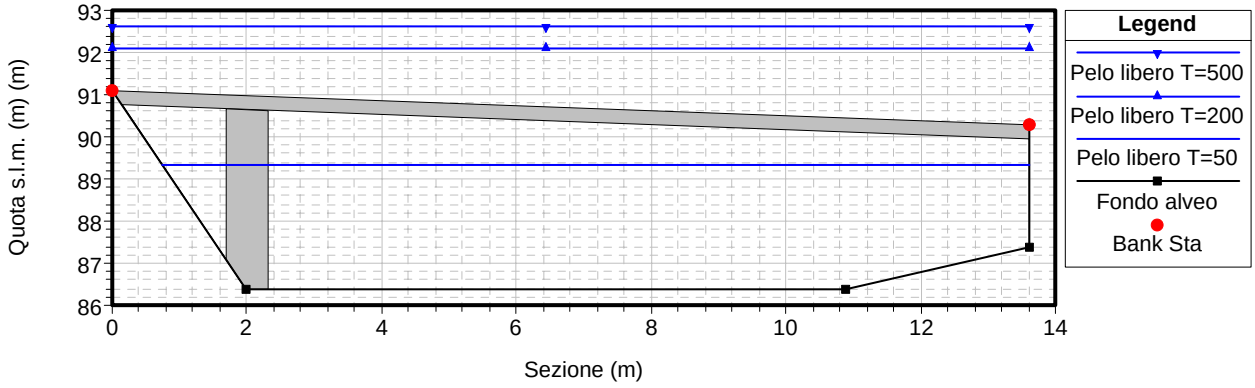
RS = 163.9



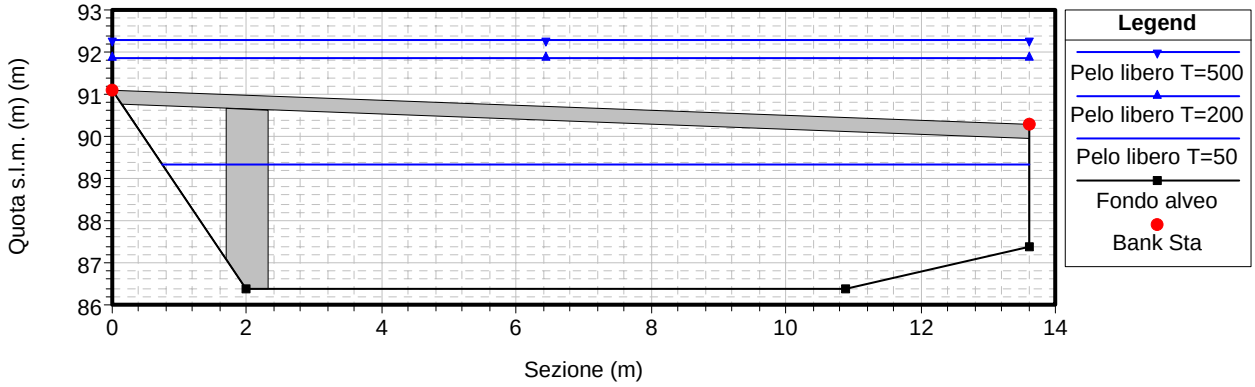
RS = 163.8



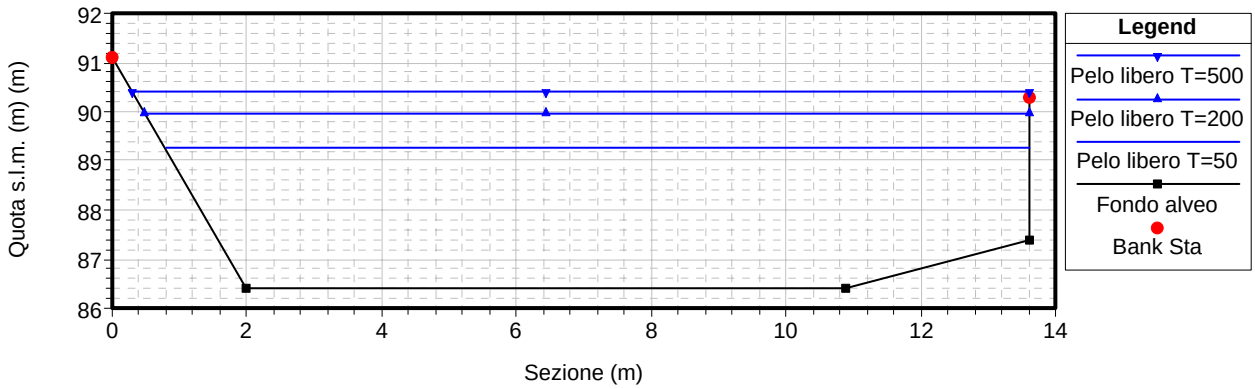
RS = 163.7 BR



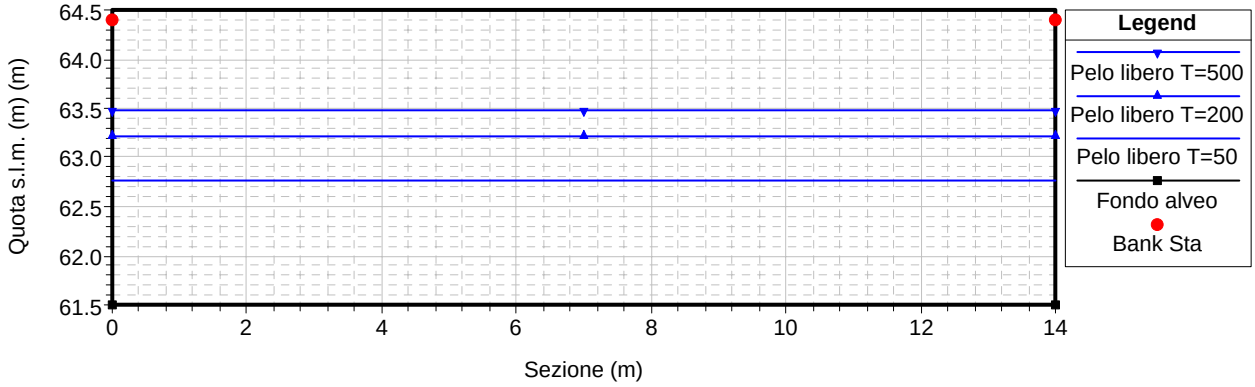
RS = 163.7 BR



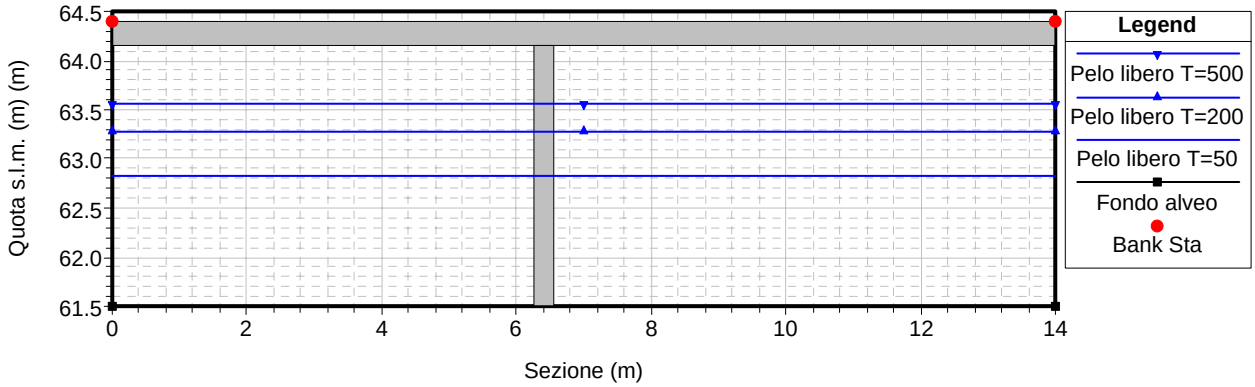
RS = 163.6



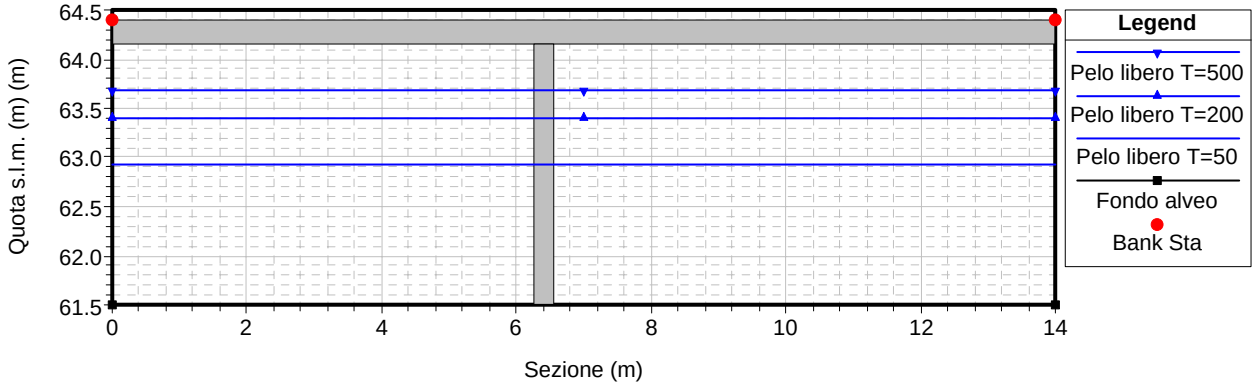
RS = 163.4



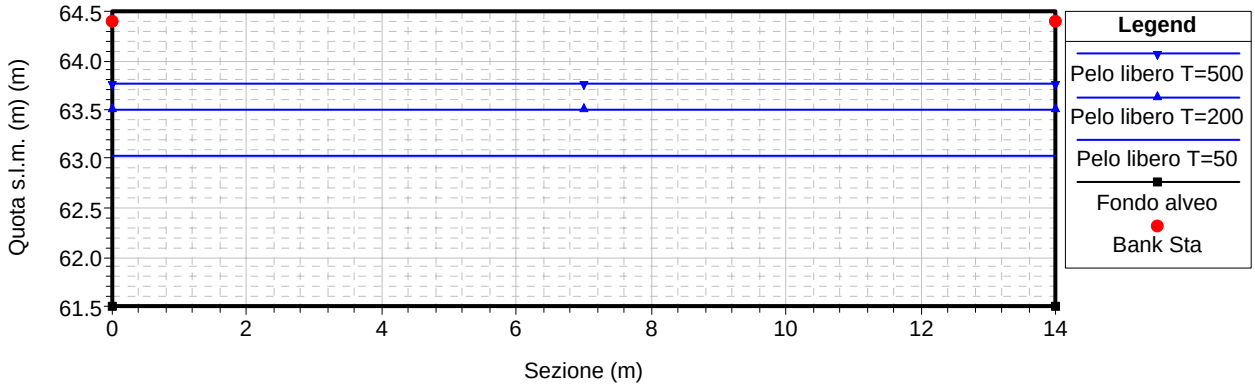
RS = 163.3 BR



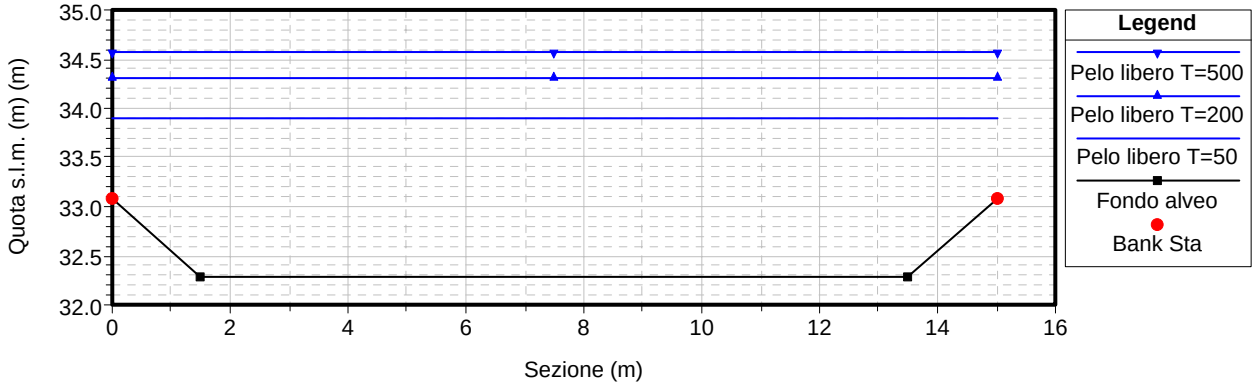
RS = 163.3 BR



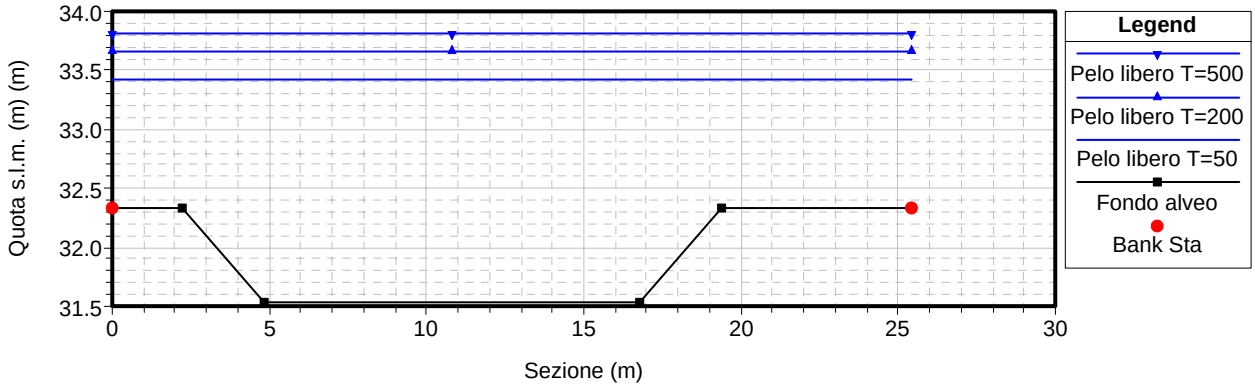
RS = 163.2



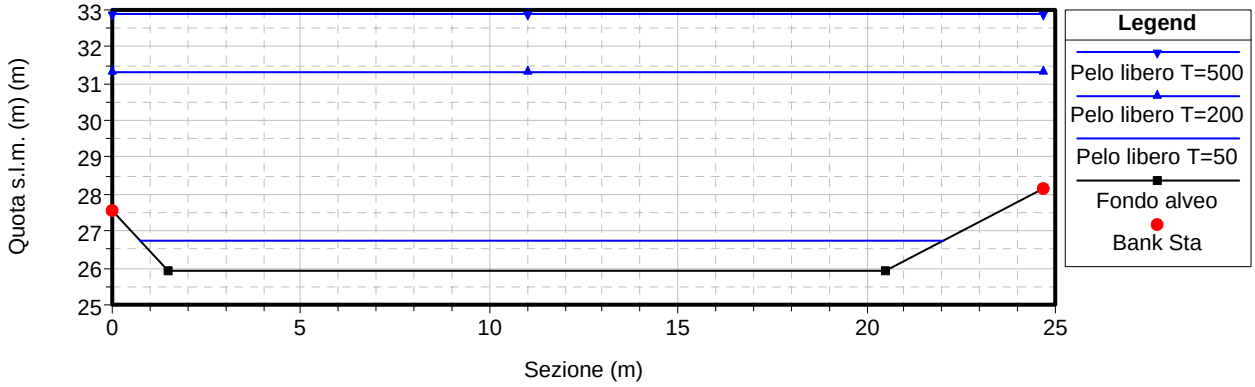
RS = 163



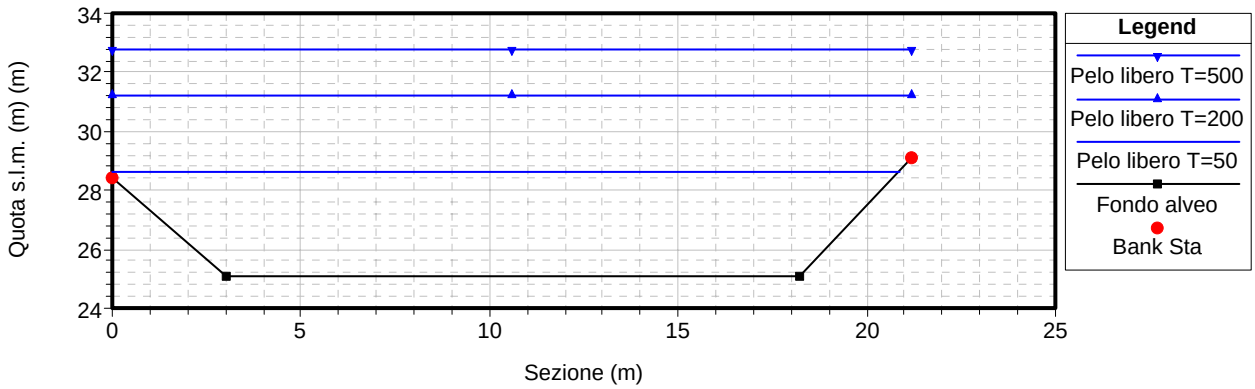
RS = 162.1



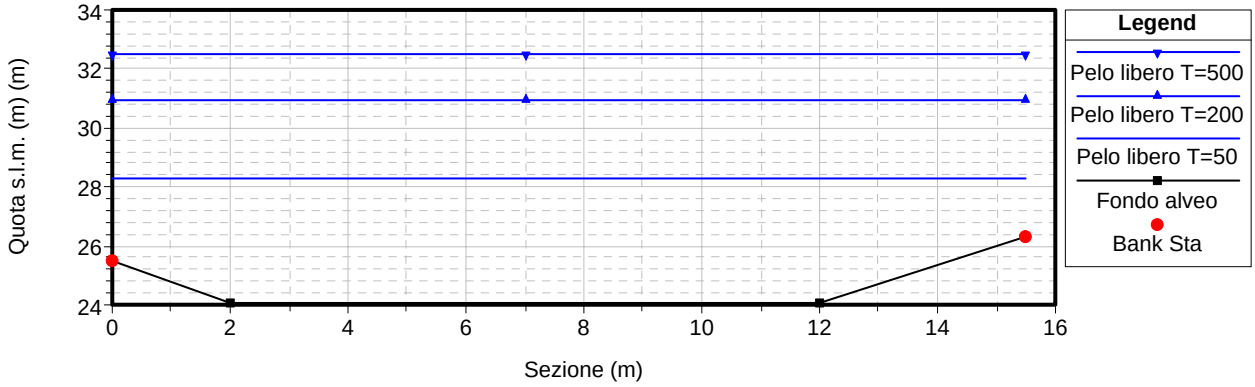
RS = 162



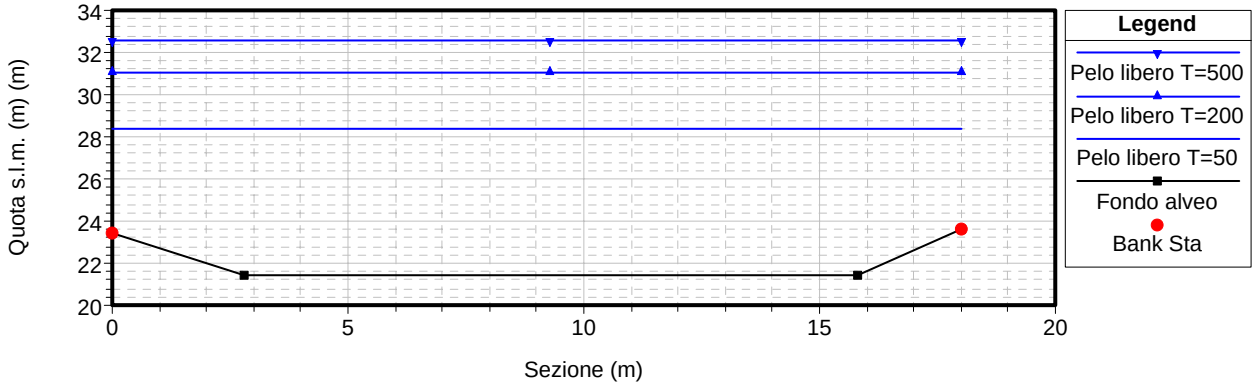
RS = 161.5



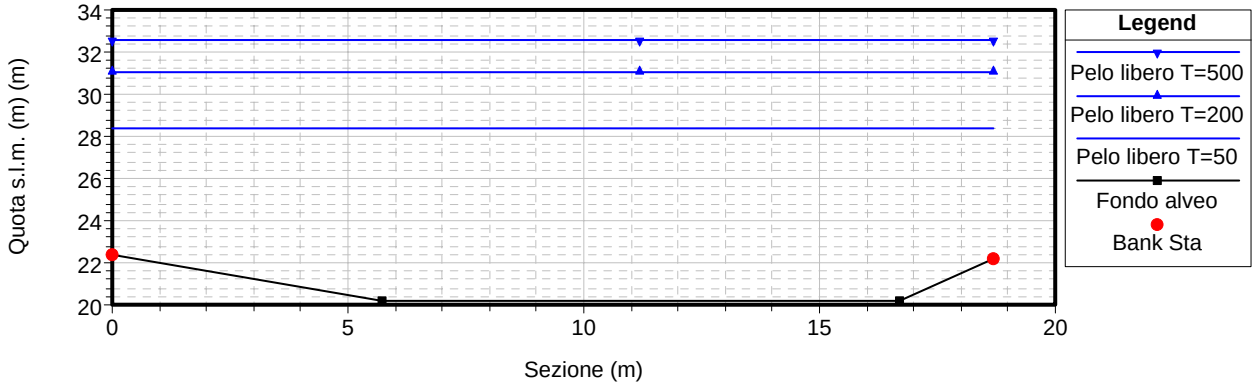
RS = 161



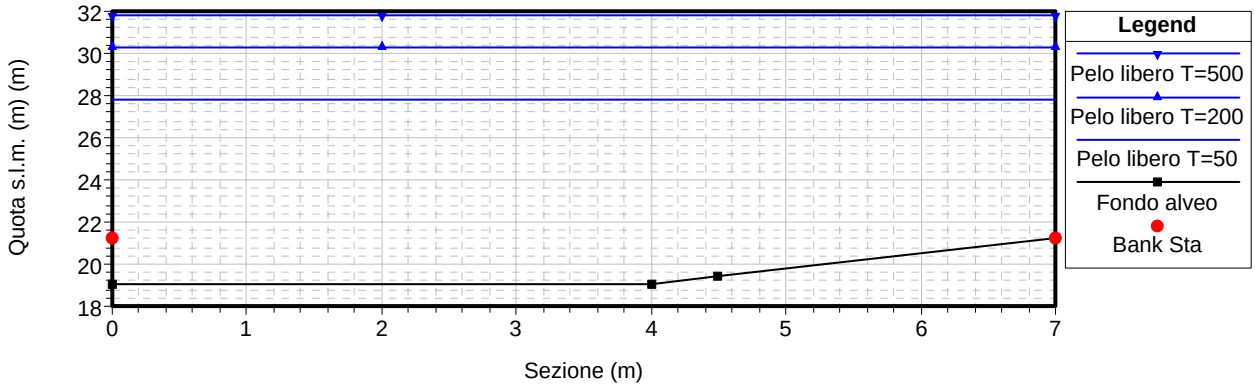
RS = 160



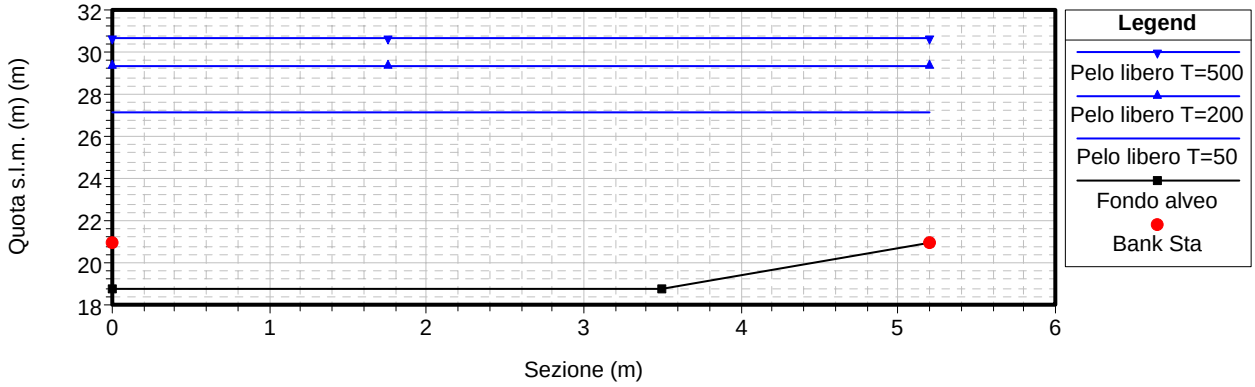
RS = 159



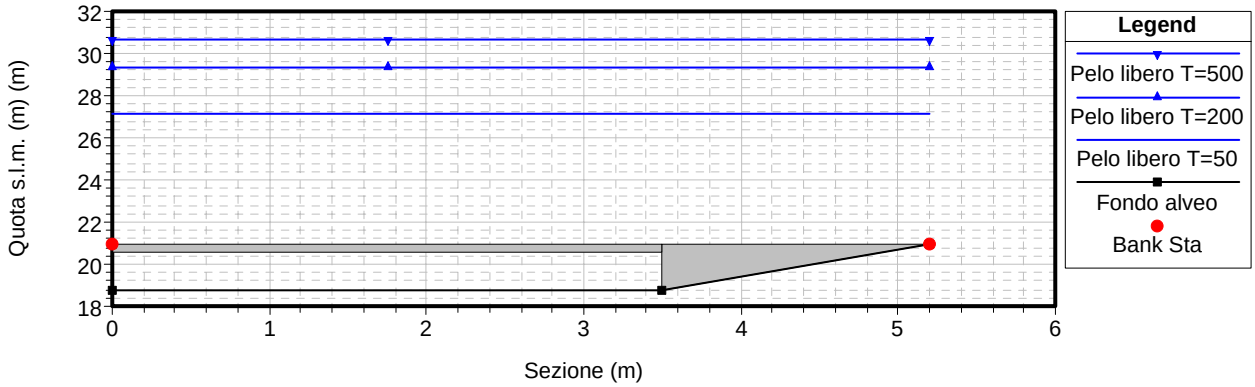
RS = 158



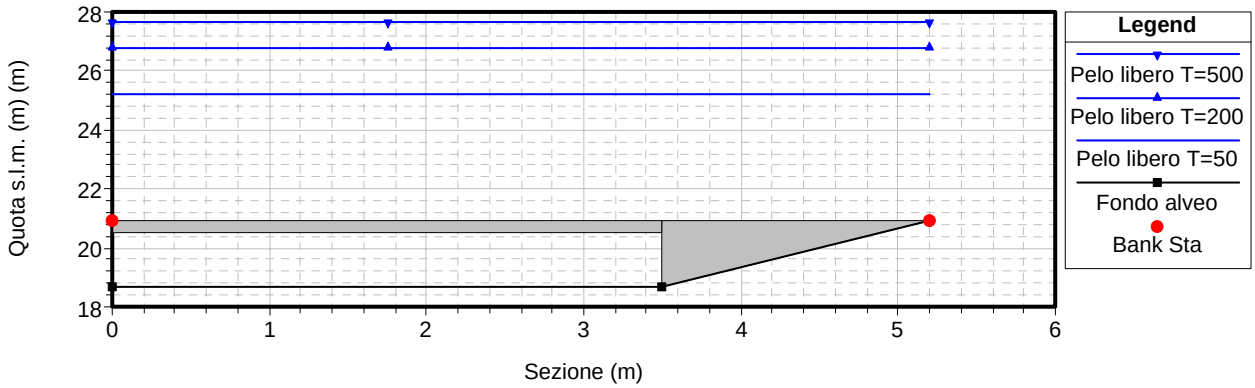
RS = 157.4



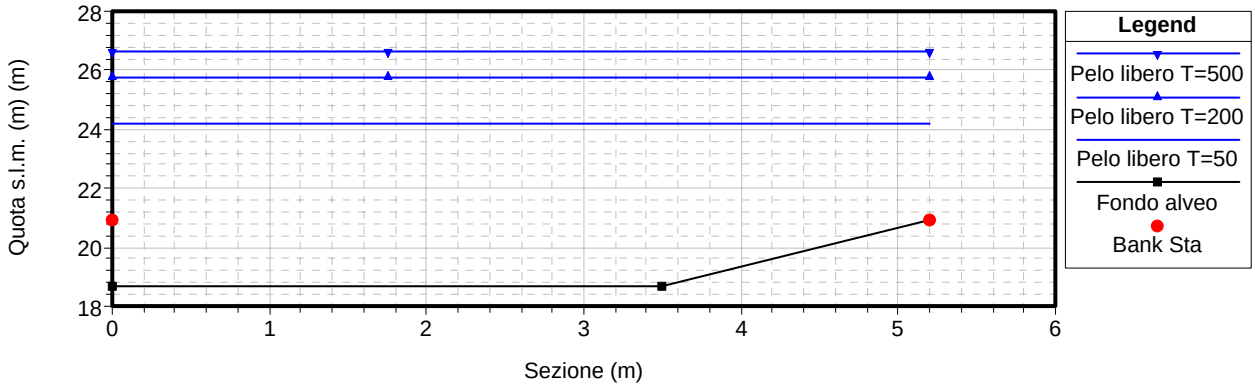
RS = 157.3 BR



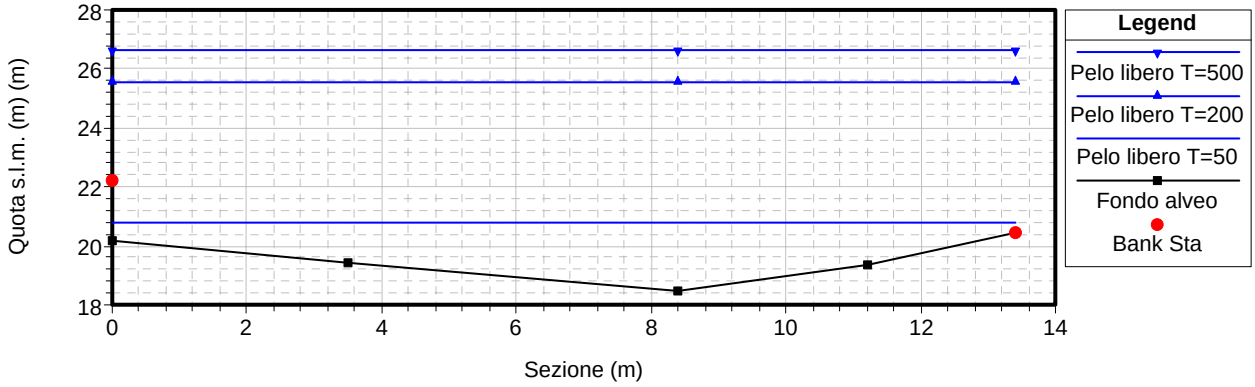
RS = 157.3 BR



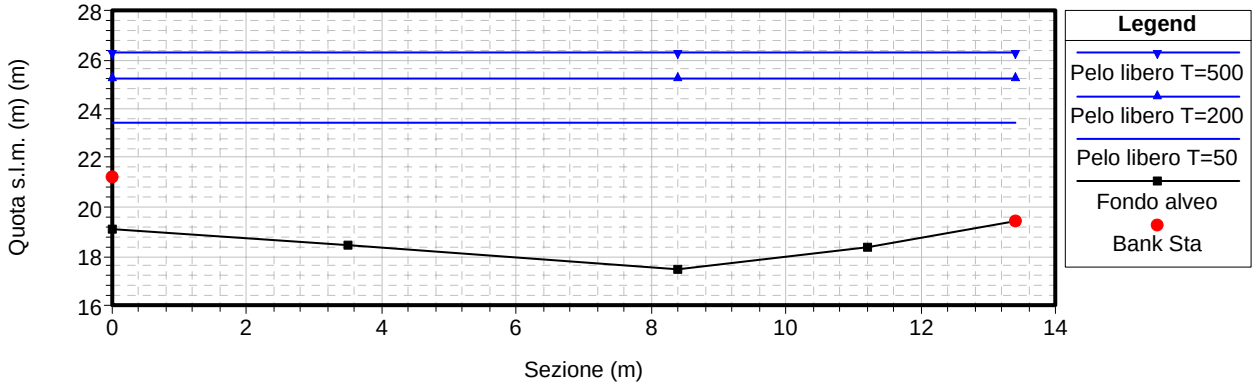
RS = 157.2



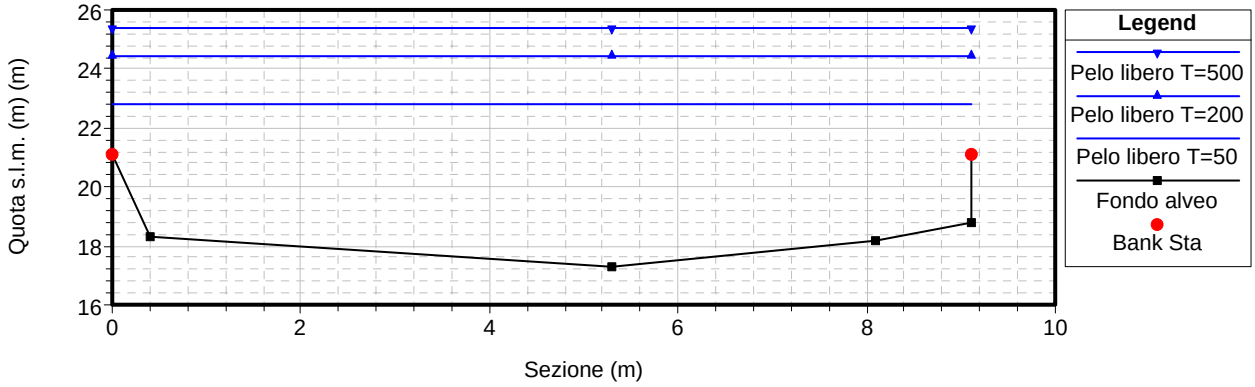
RS = 156



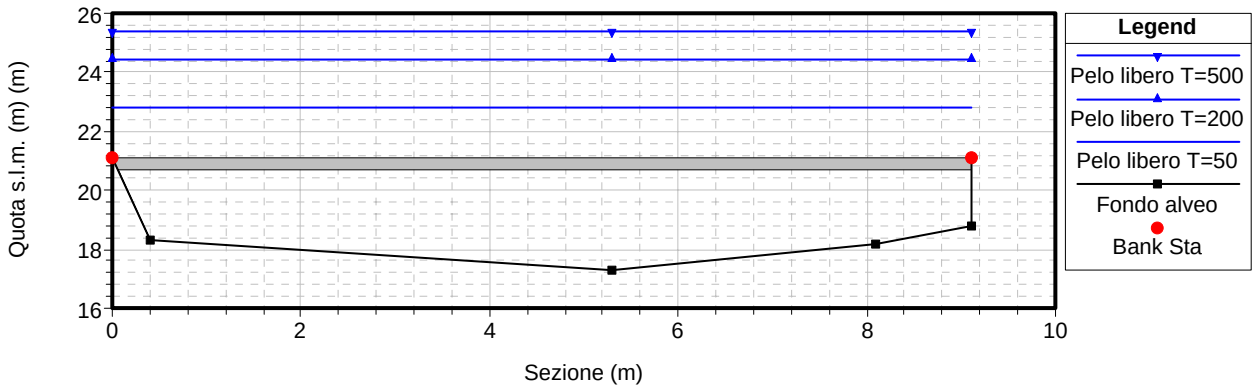
RS = 155



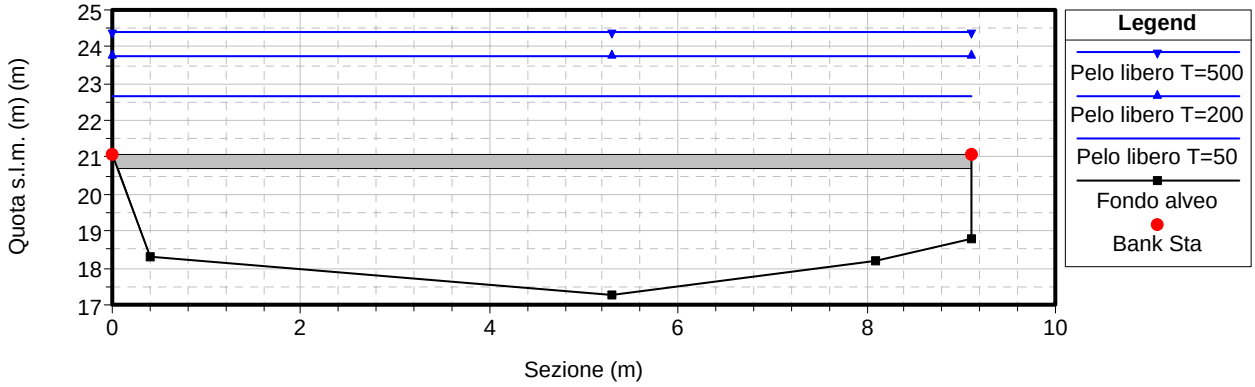
RS = 154.4



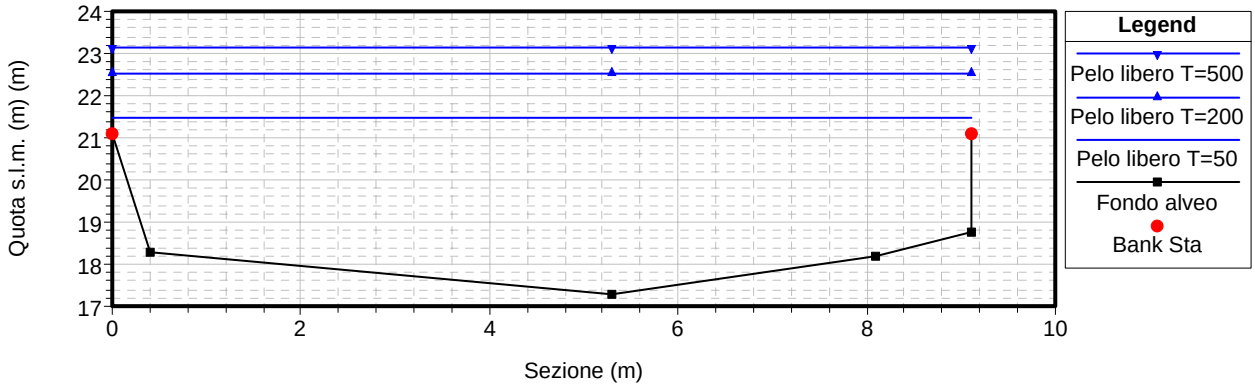
RS = 154.3 BR



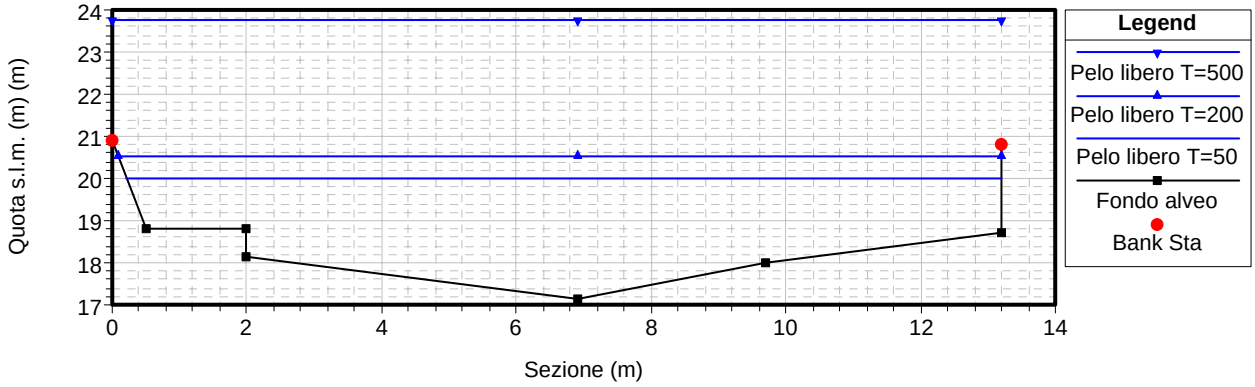
RS = 154.3 BR



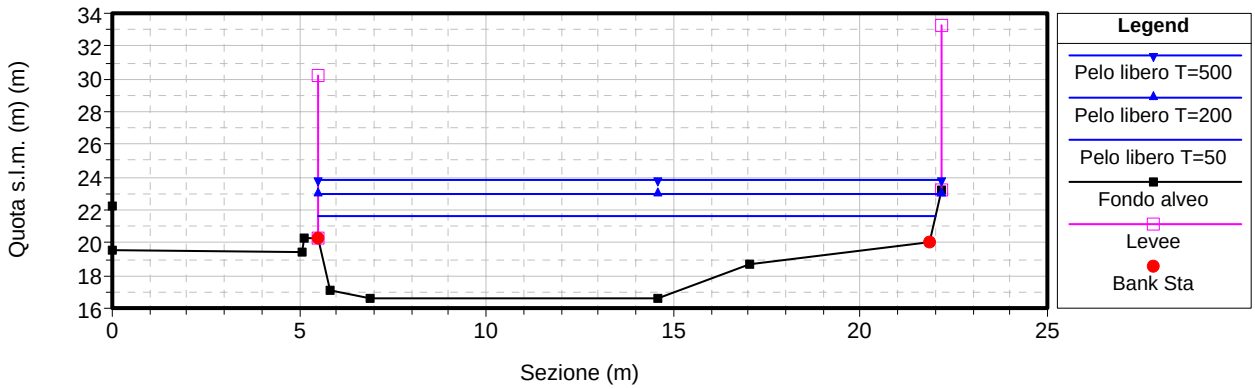
RS = 154.2



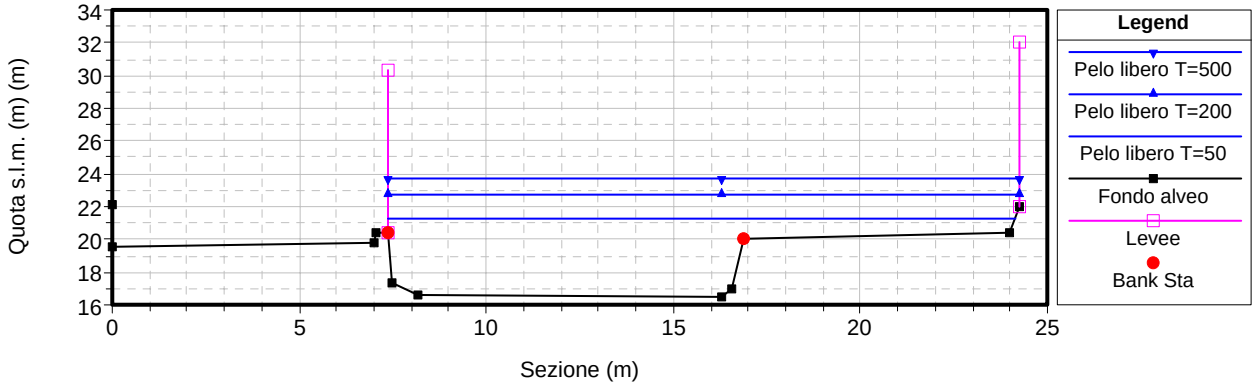
RS = 153



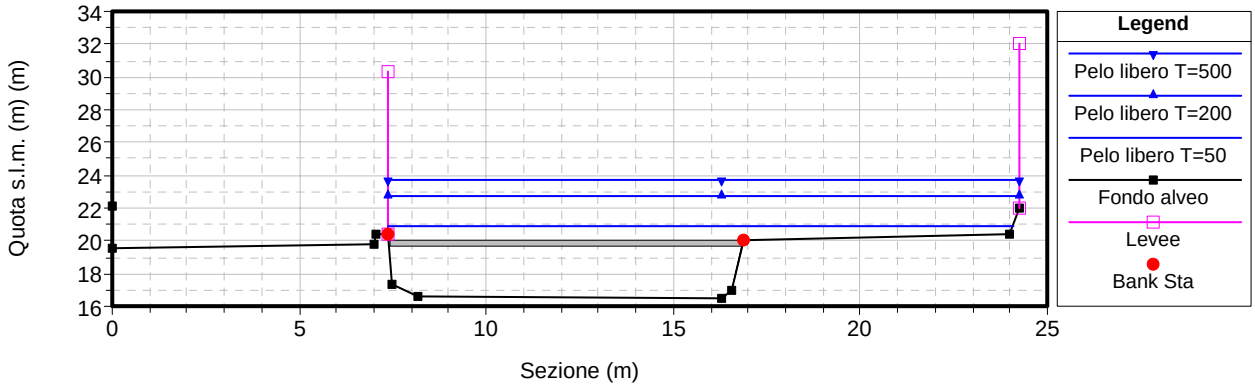
RS = 106



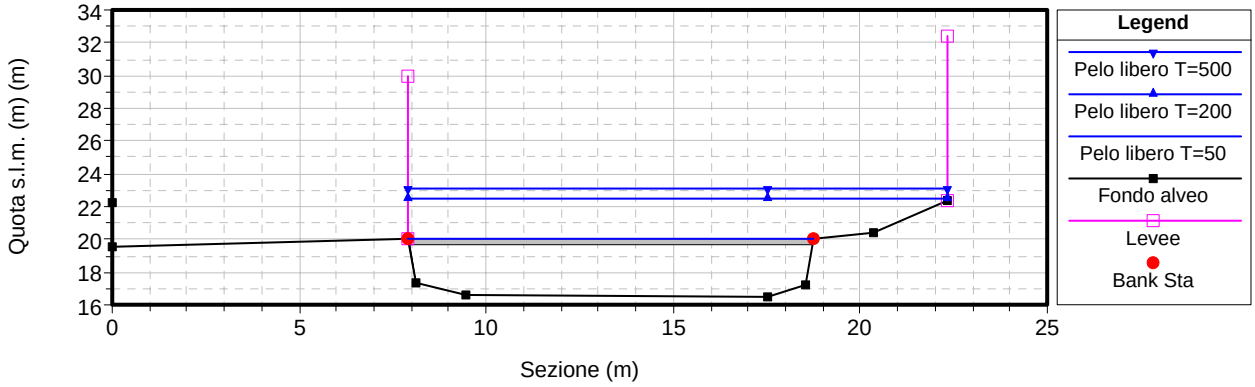
RS = 105



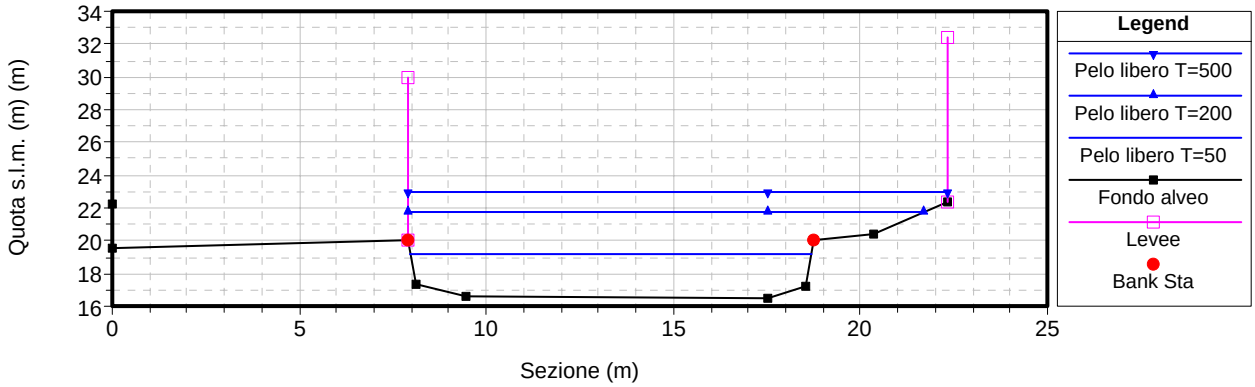
RS = 104.5 BR



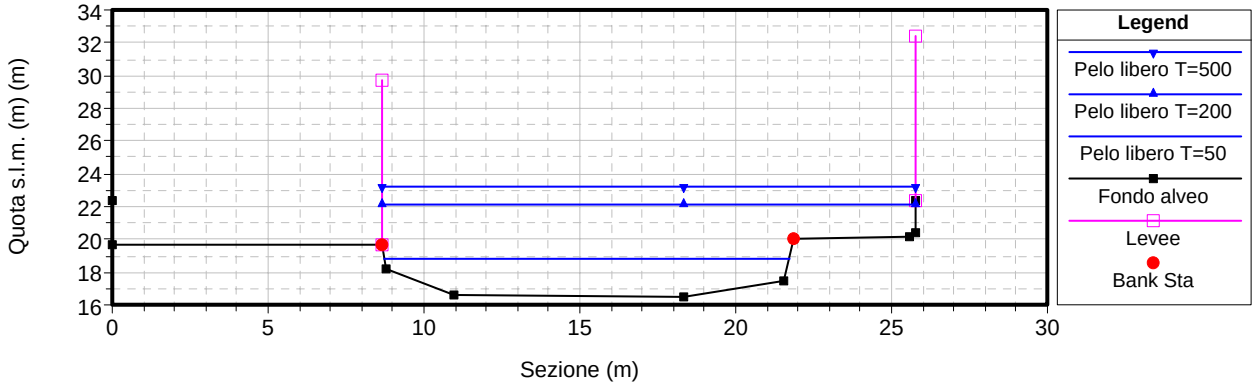
RS = 104.5 BR



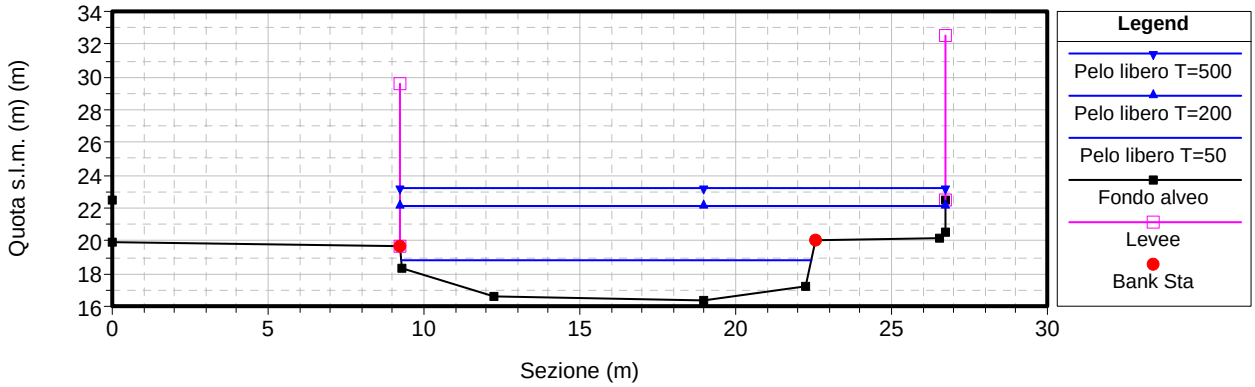
RS = 104



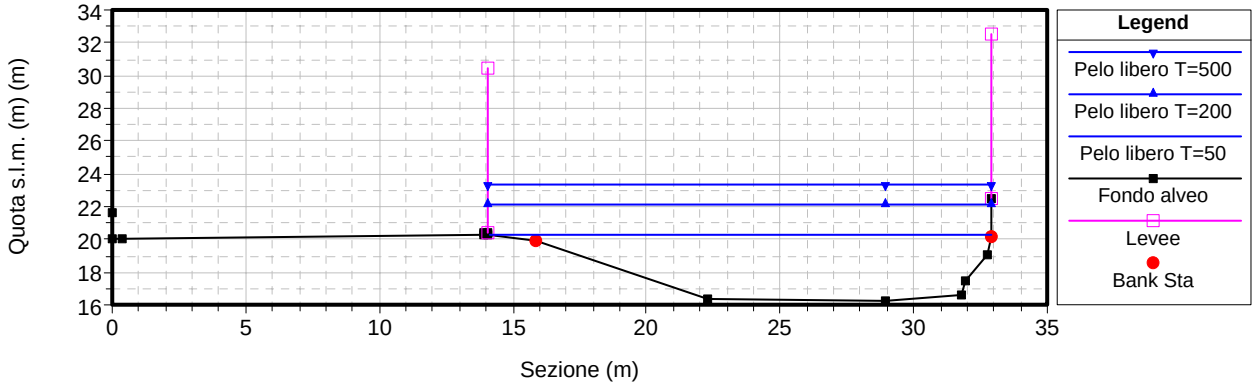
RS = 103



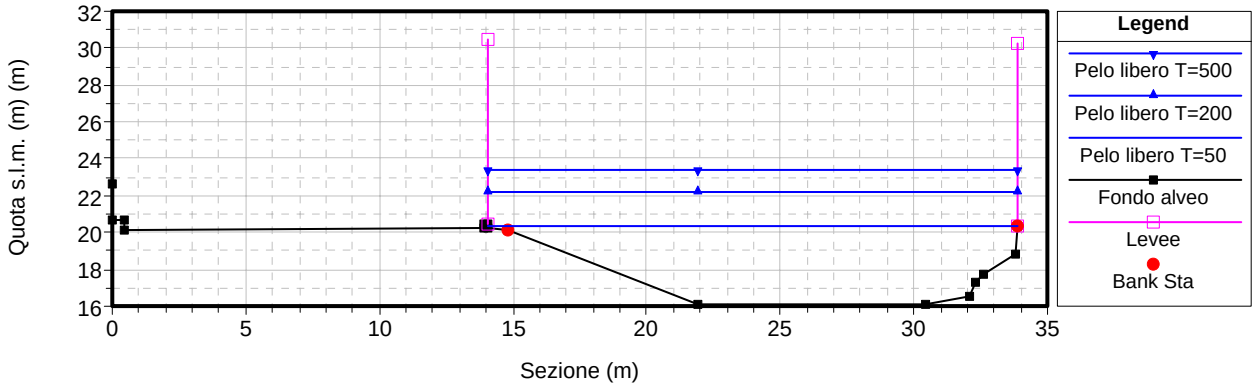
RS = 102



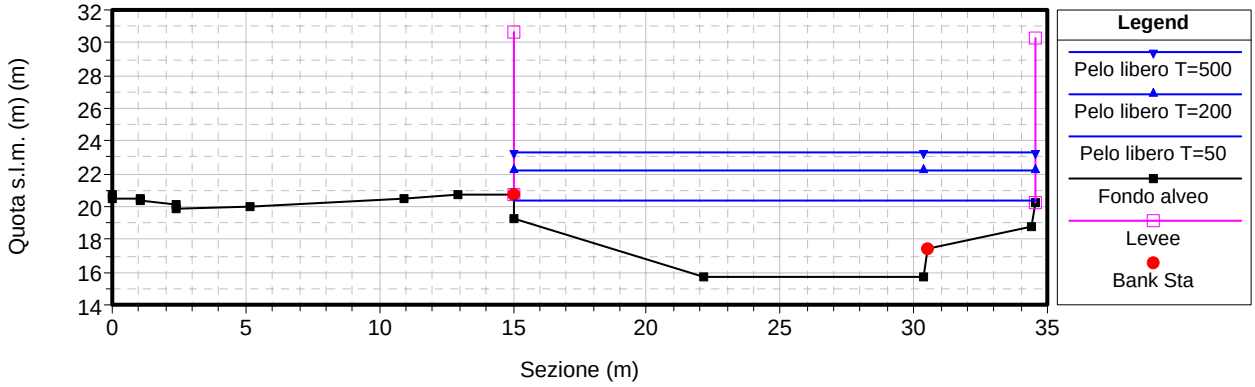
RS = 101



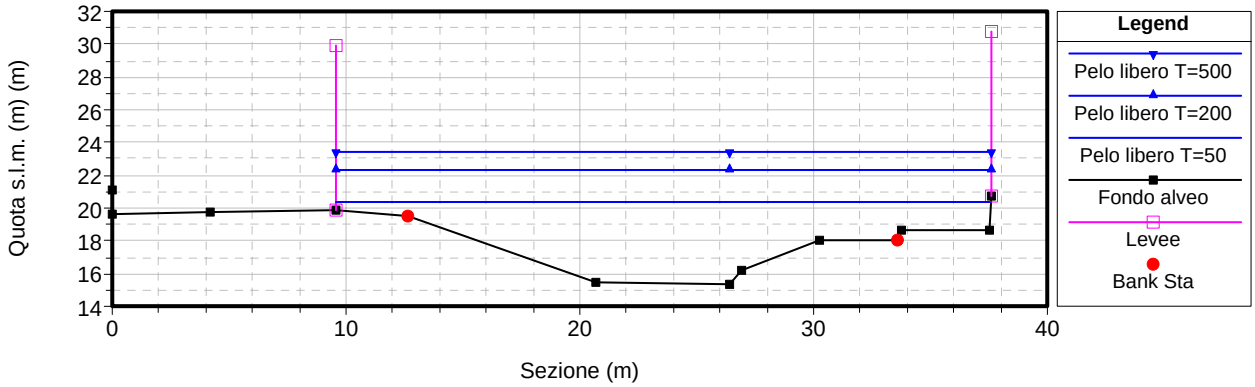
RS = 100



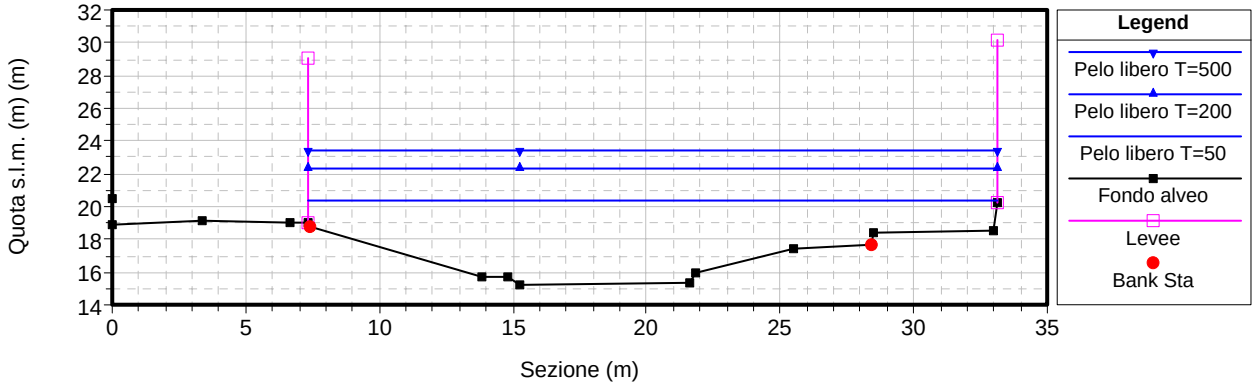
RS = 99



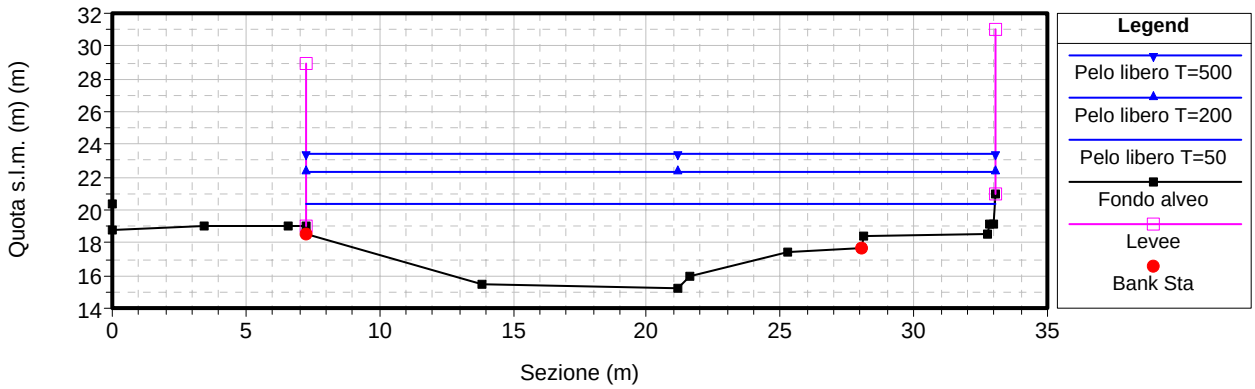
RS = 98



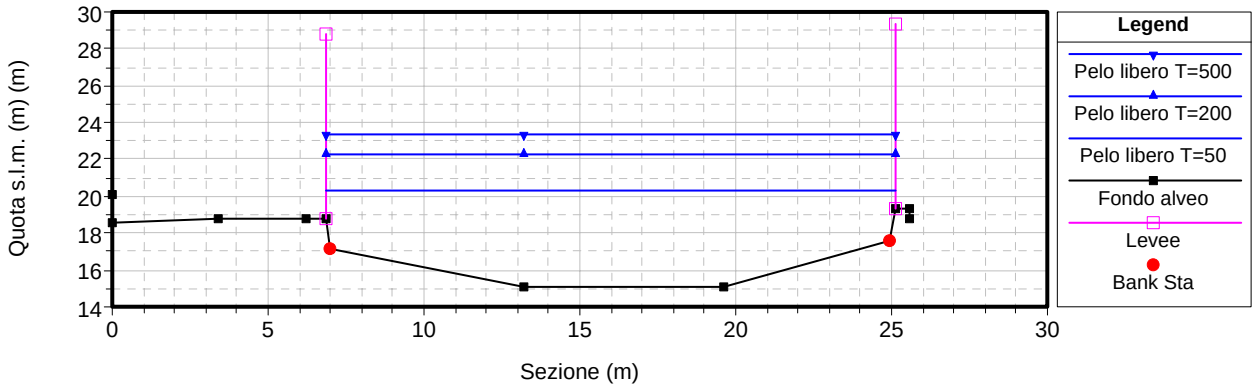
RS = 97



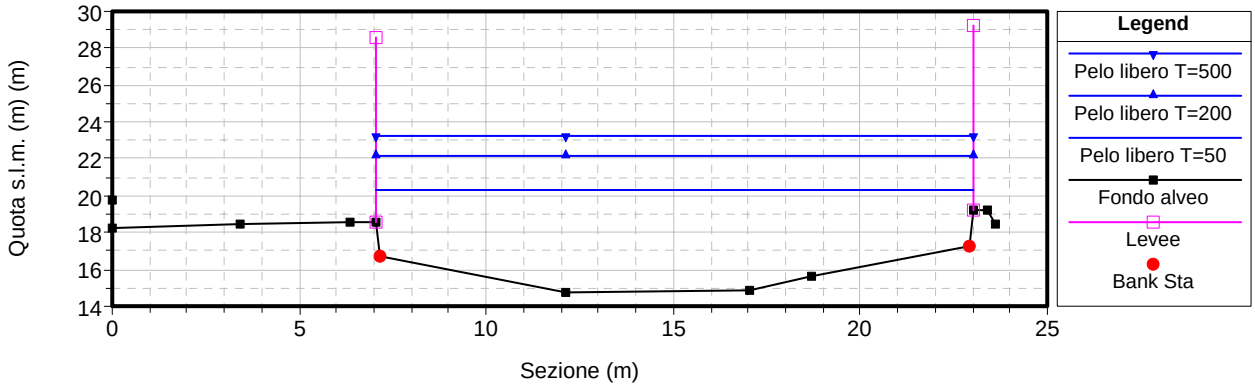
RS = 96



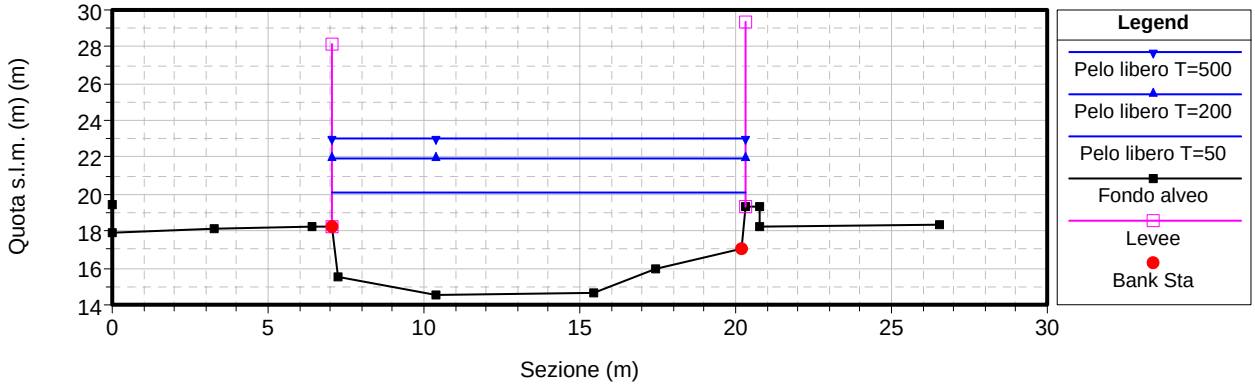
RS = 95



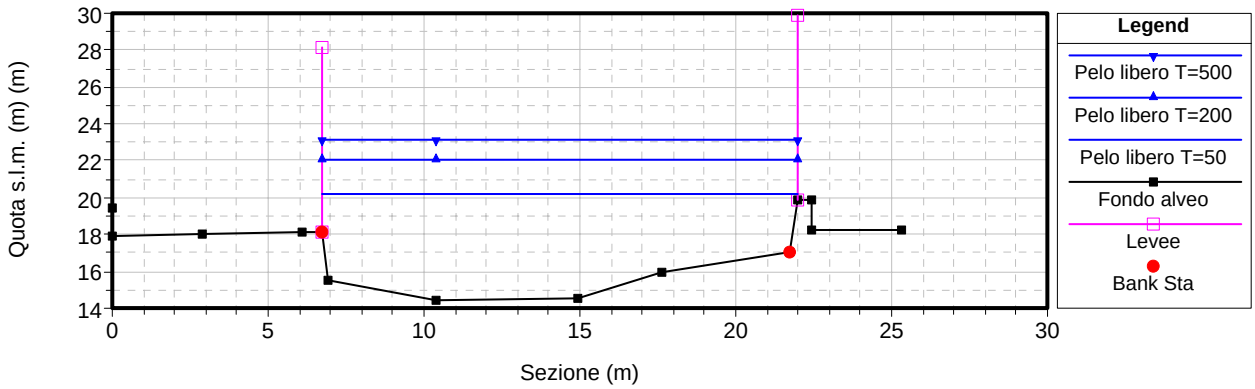
RS = 94



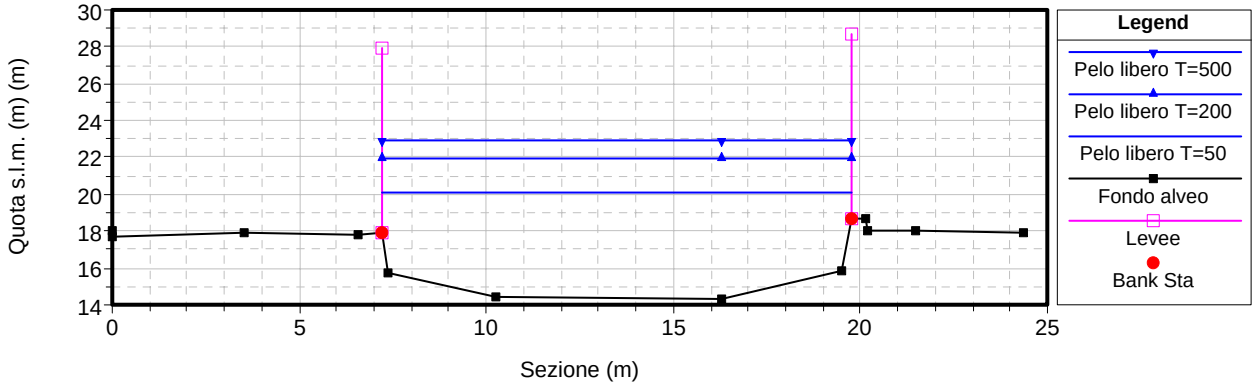
RS = 93



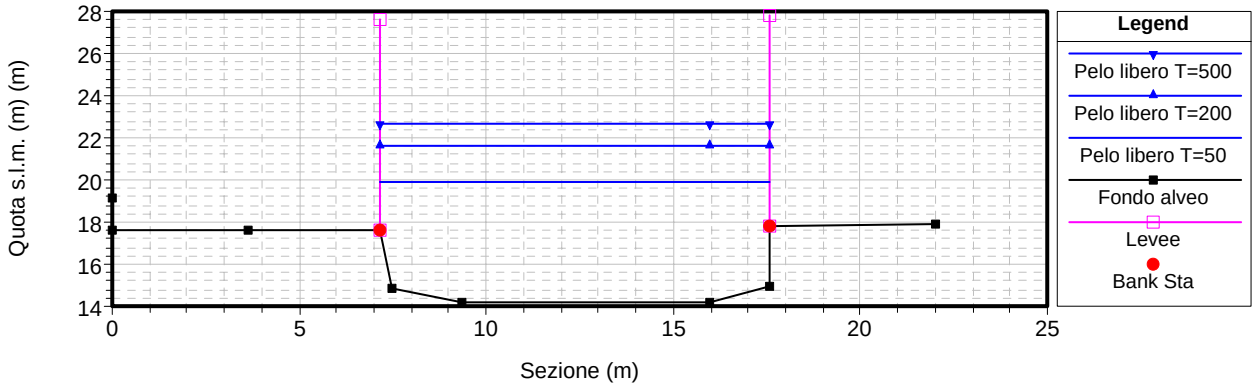
RS = 92



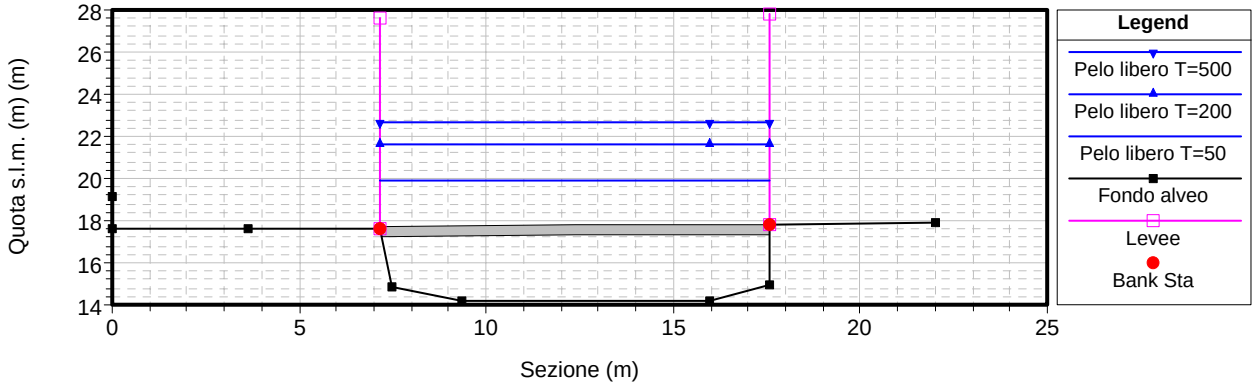
RS = 91



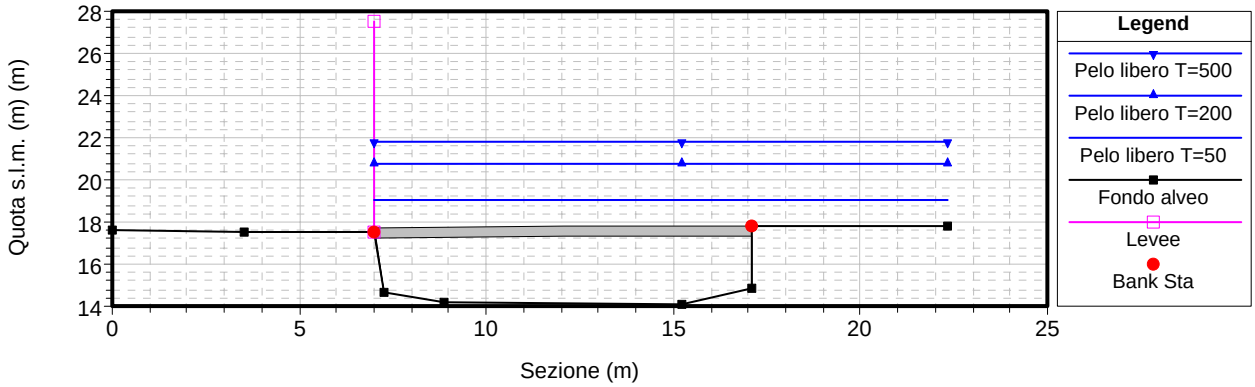
RS = 90



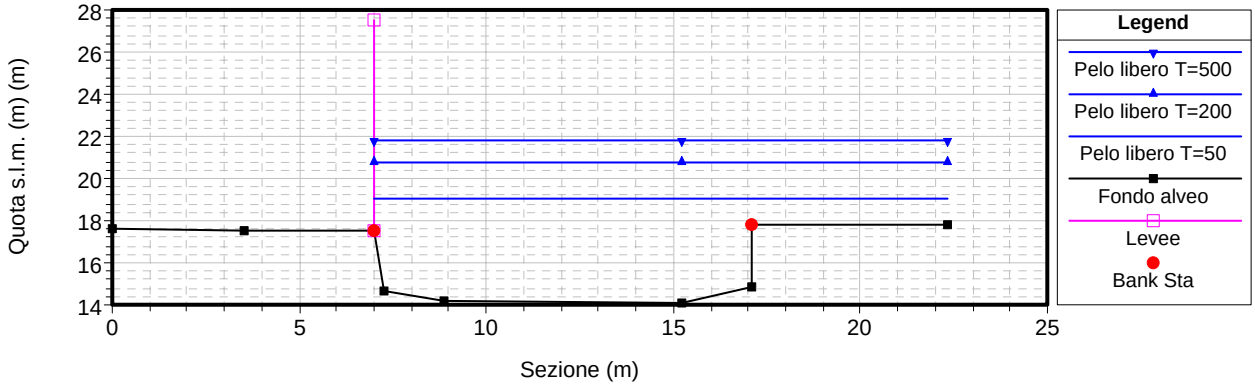
RS = 89.5 BR



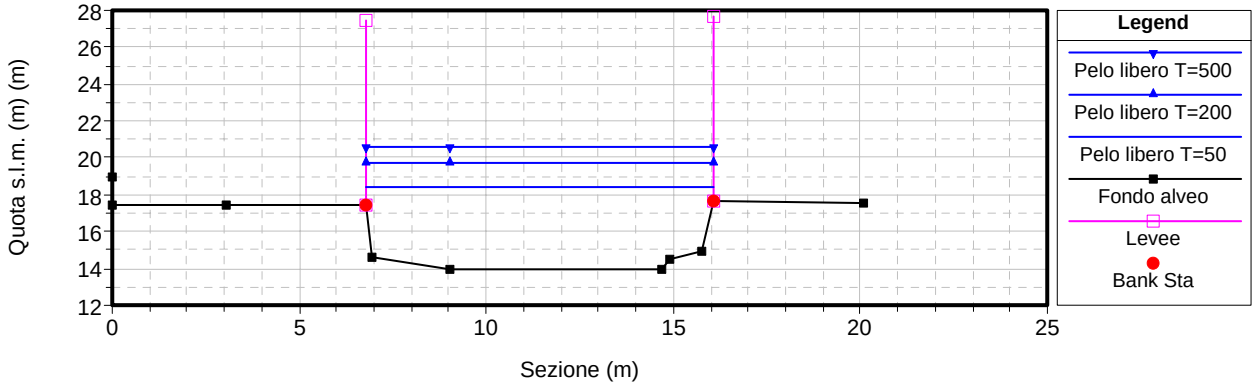
RS = 89.5 BR



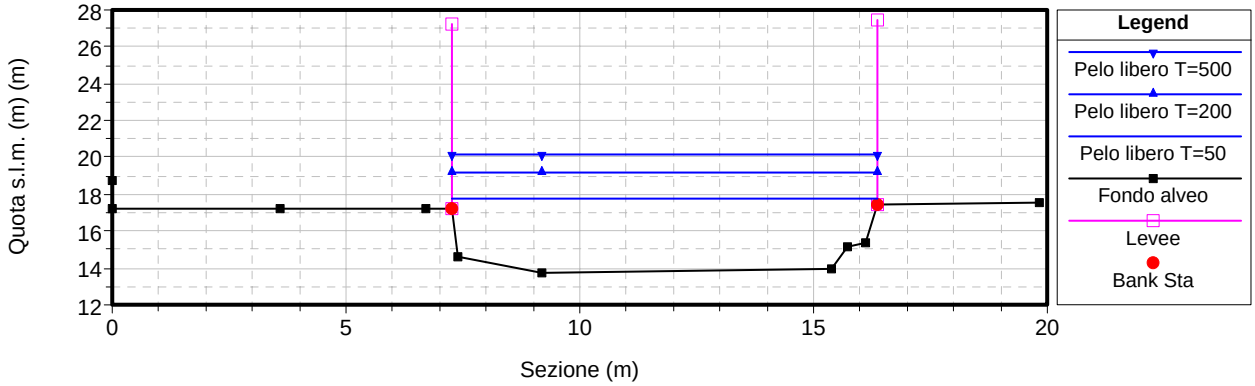
RS = 89



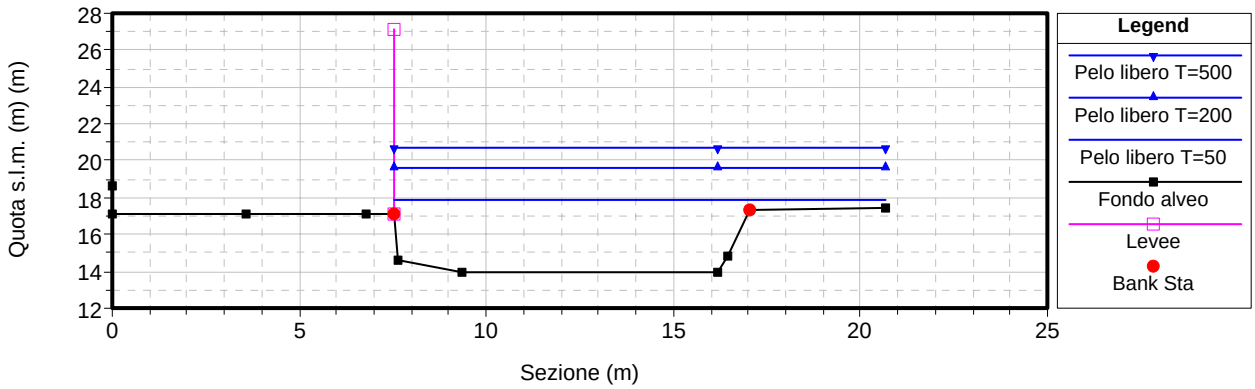
RS = 88



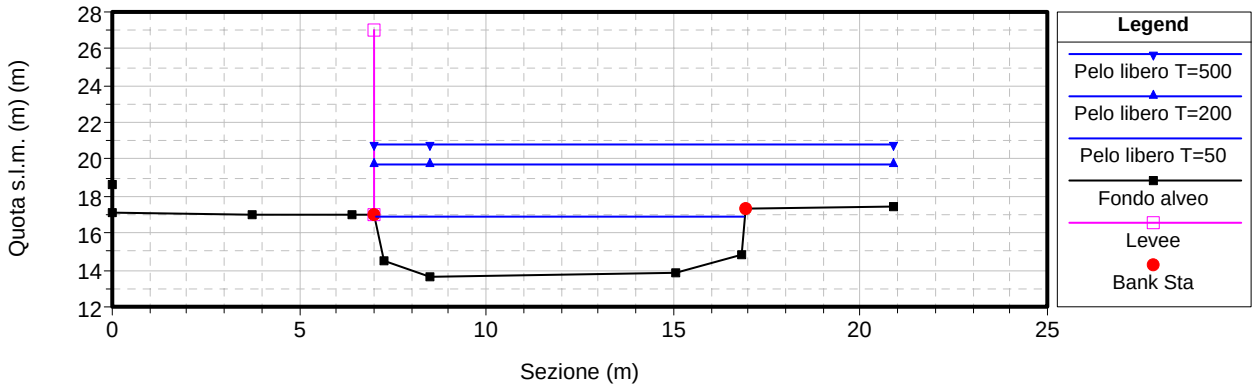
RS = 87



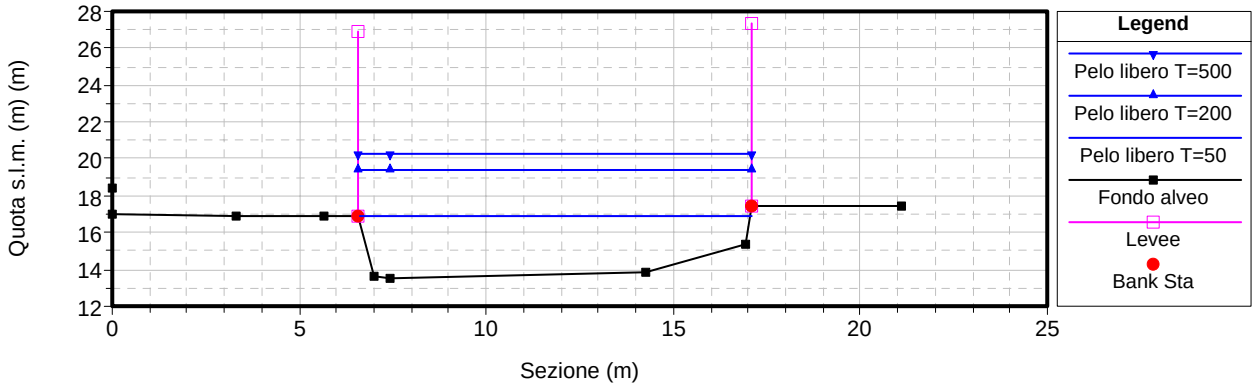
RS = 86



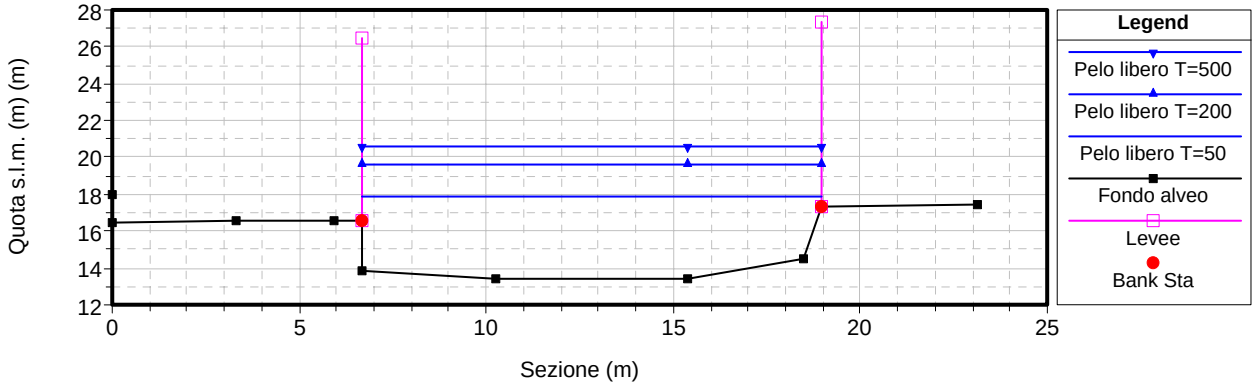
RS = 85



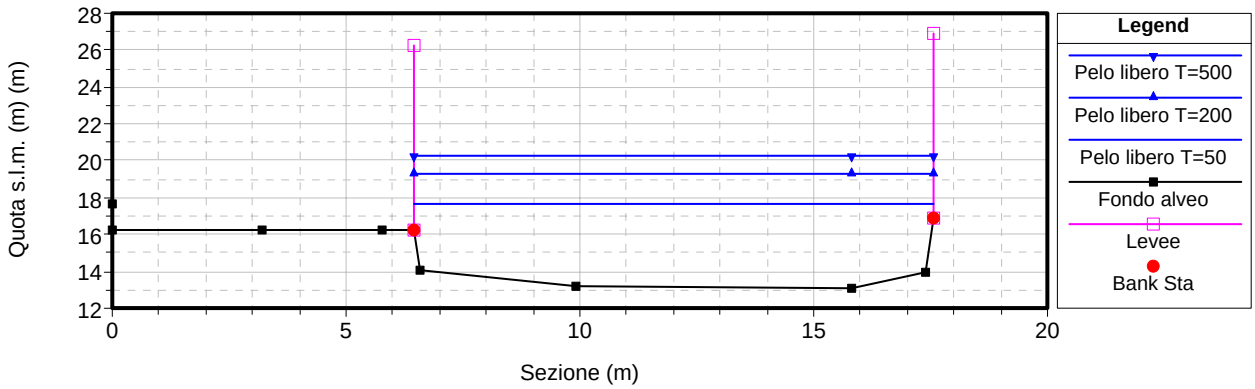
RS = 84



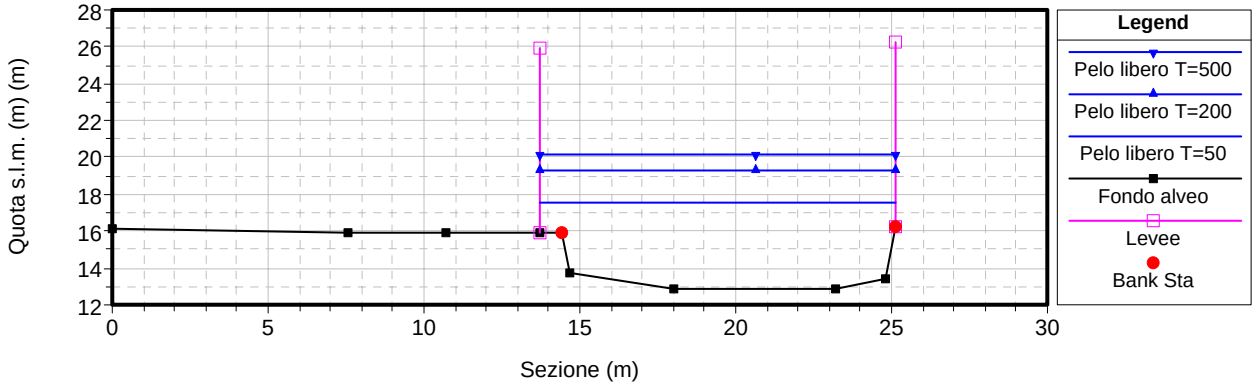
RS = 83



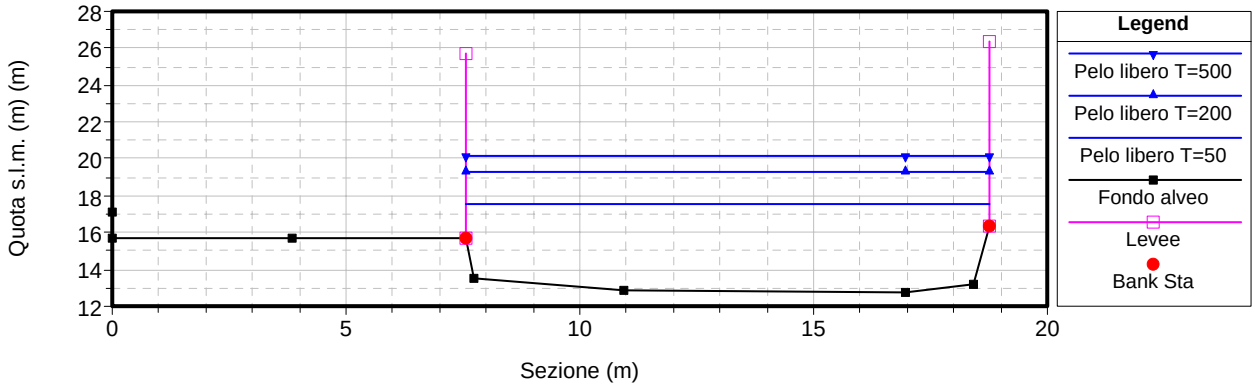
RS = 82



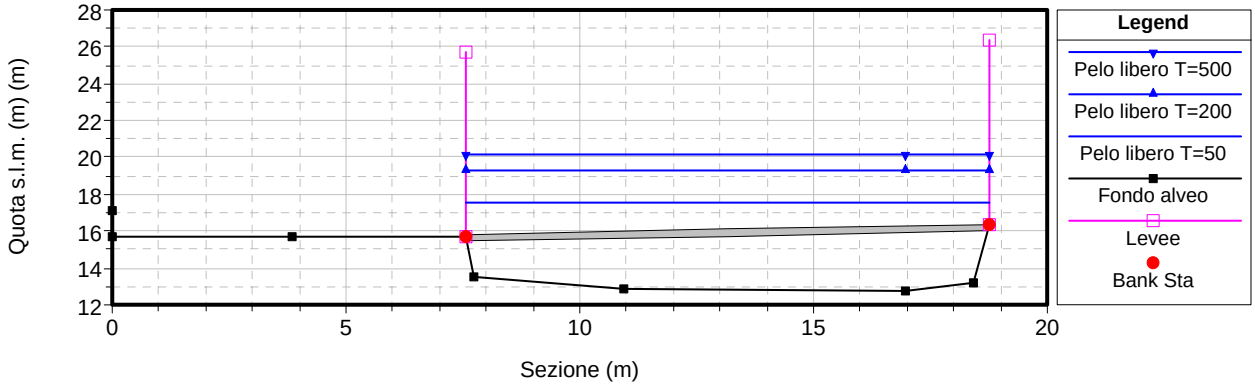
RS = 81



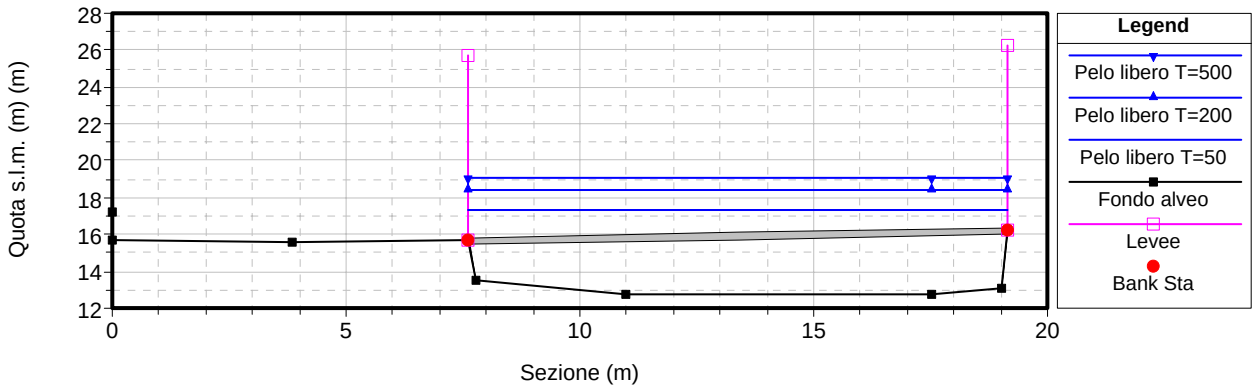
RS = 80



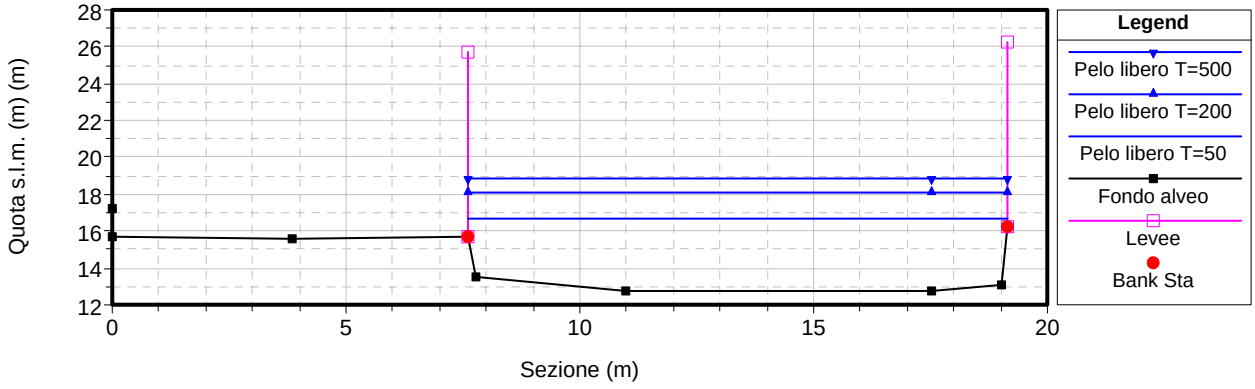
RS = 79.5 BR



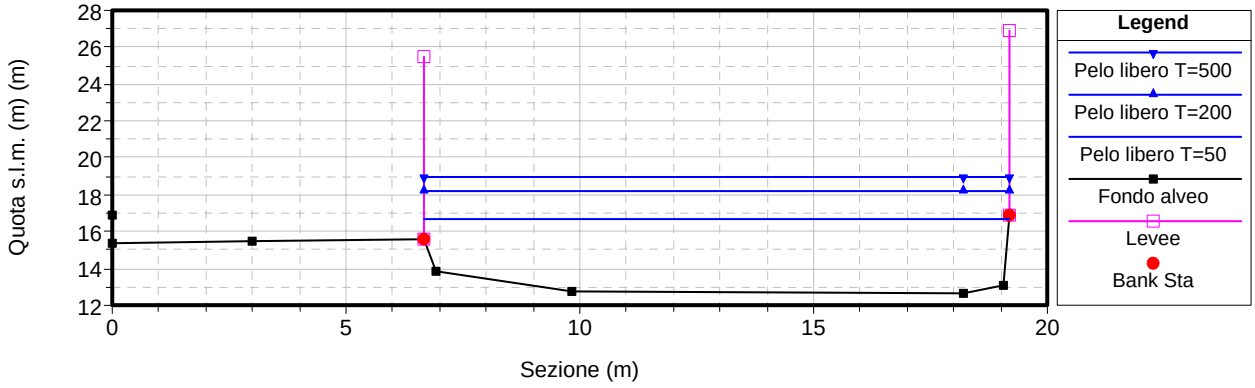
RS = 79.5 BR



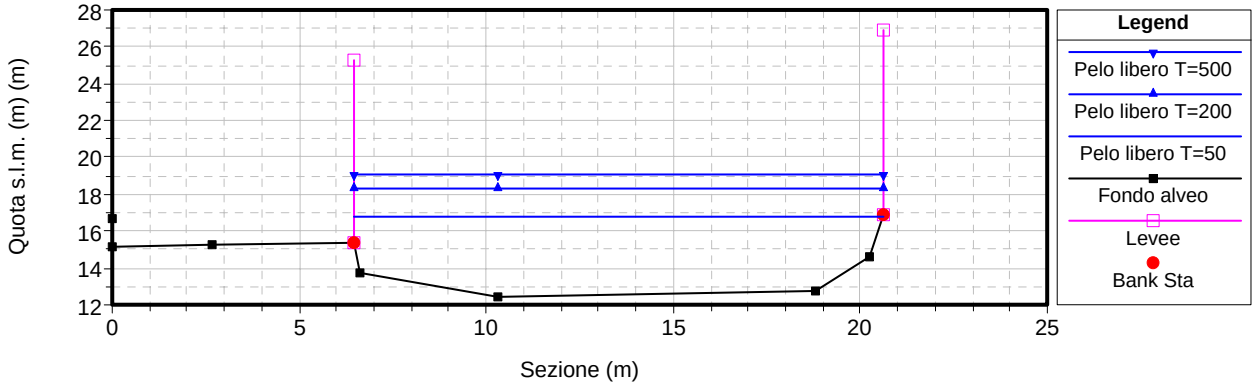
RS = 79



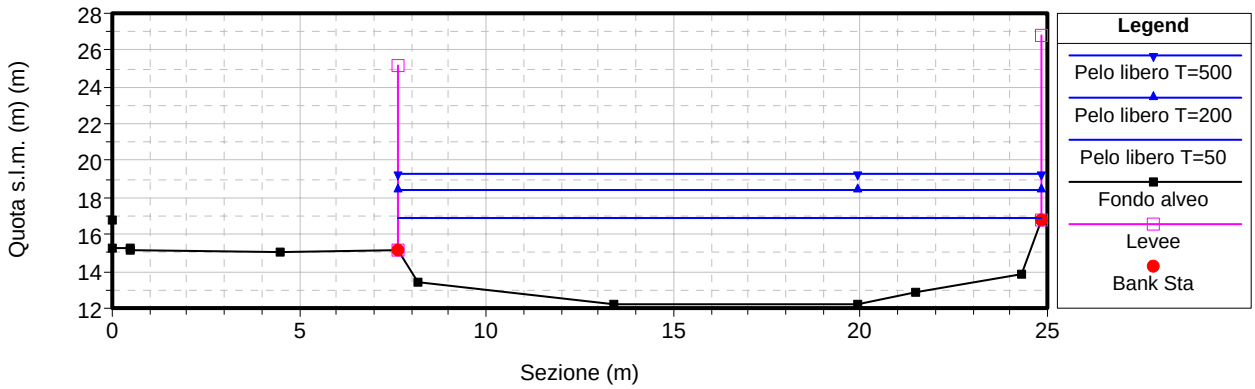
RS = 78



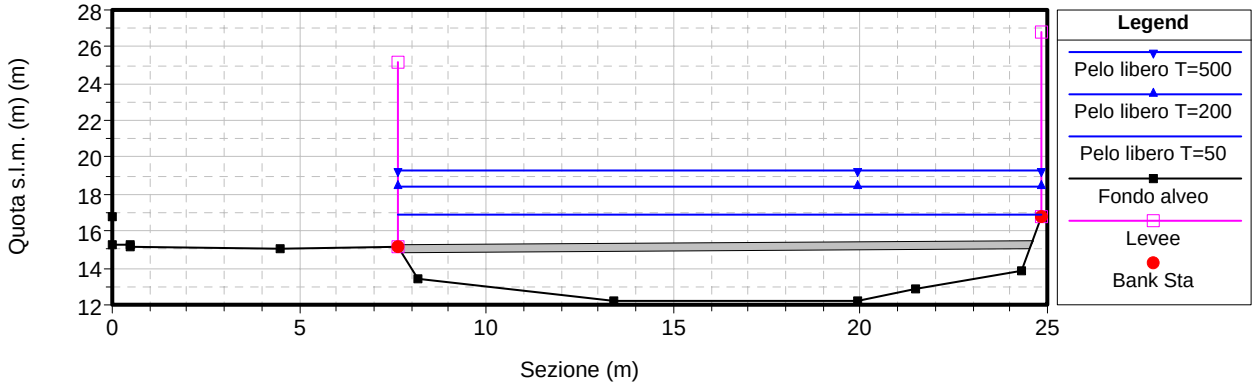
RS = 77



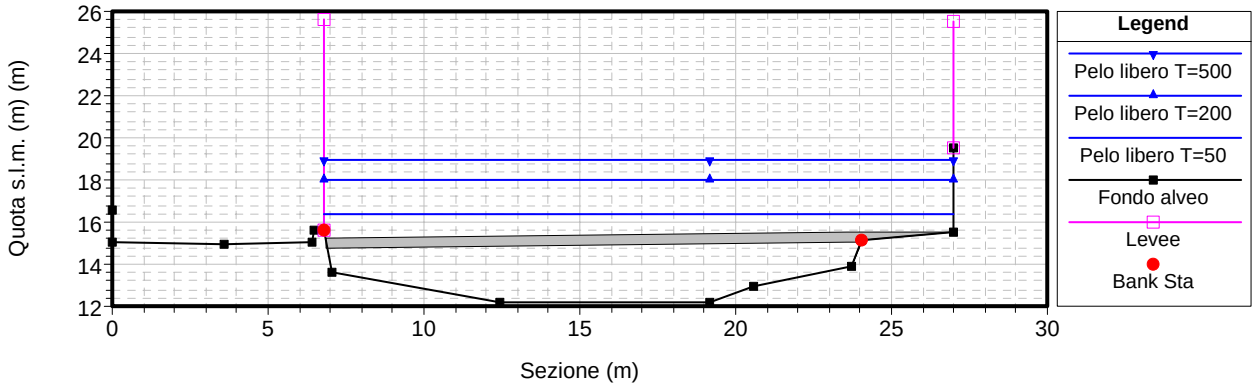
RS = 76



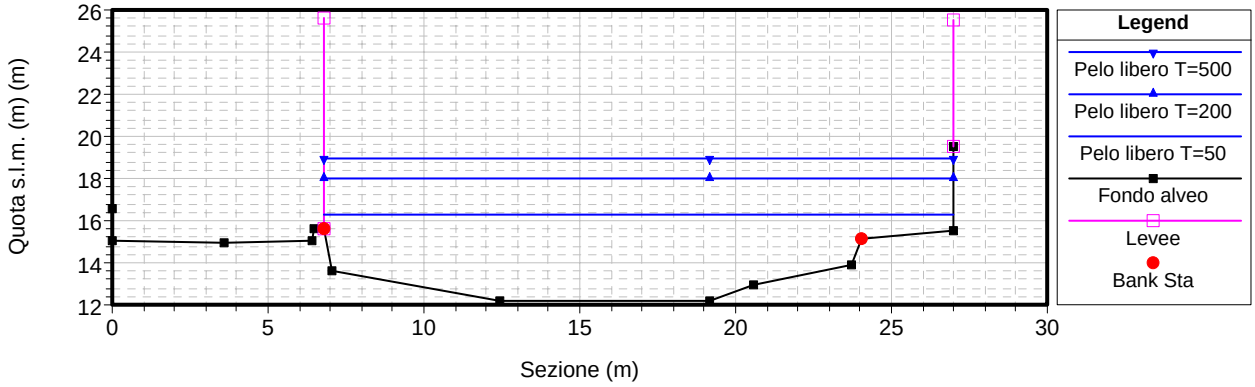
RS = 75.5 BR



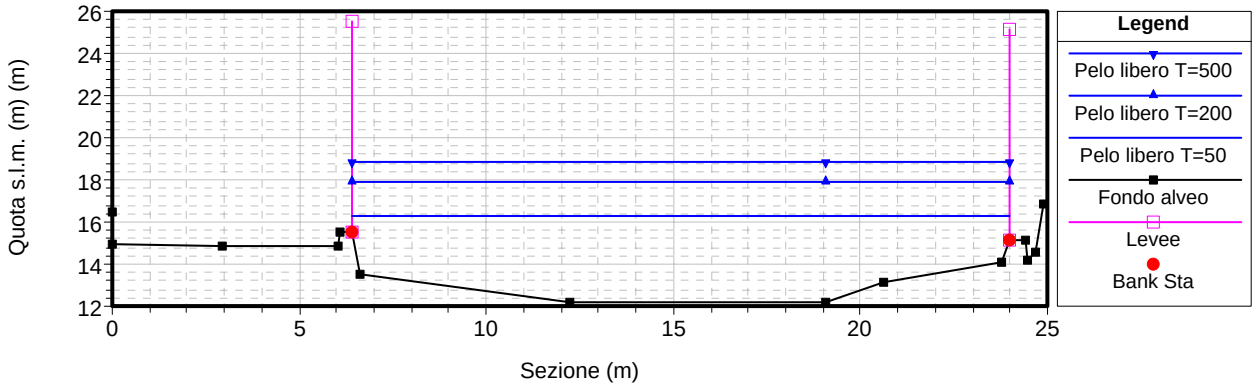
RS = 75.5 BR



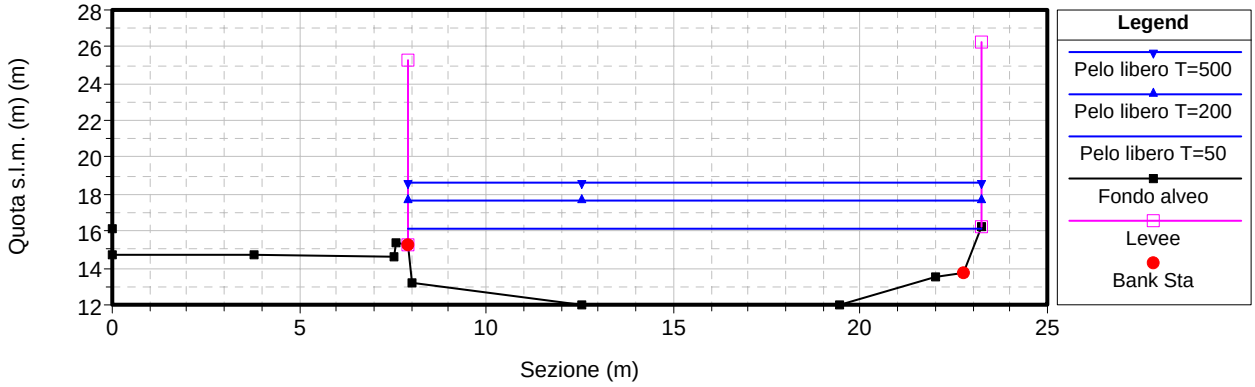
RS = 75



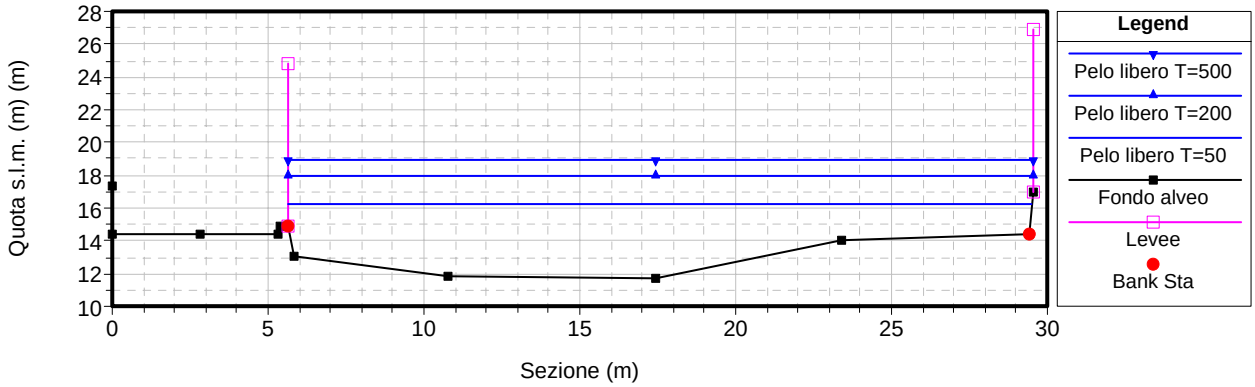
RS = 74



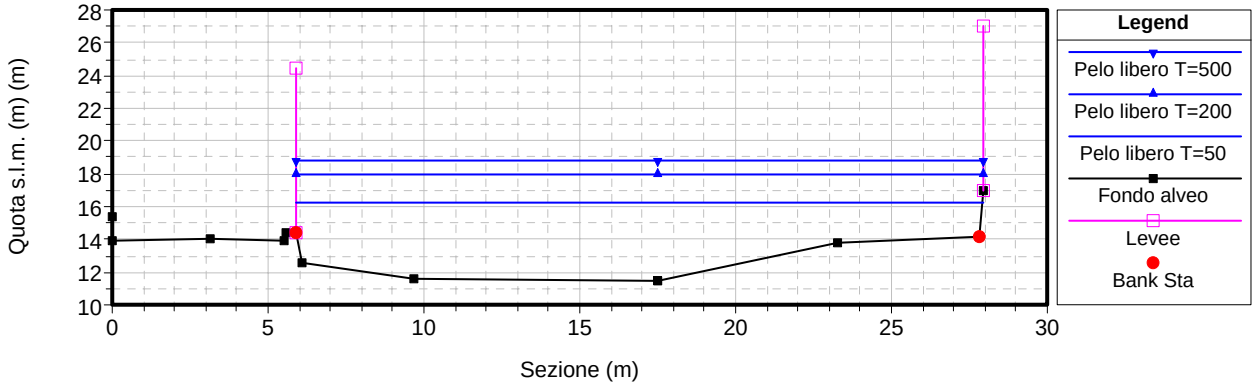
RS = 73



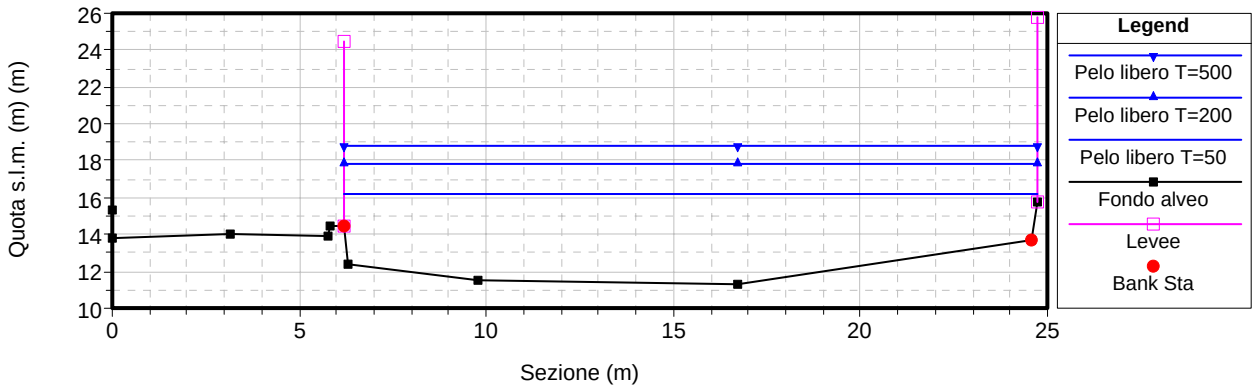
RS = 72



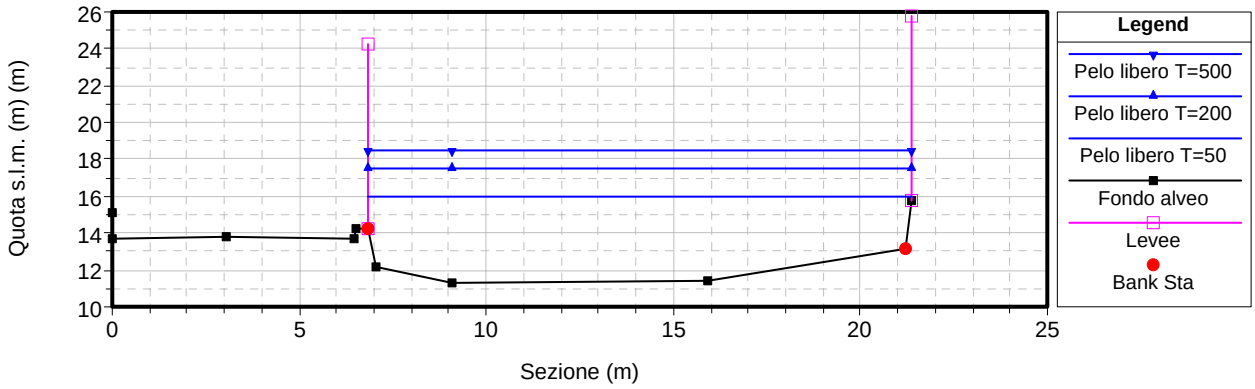
RS = 71



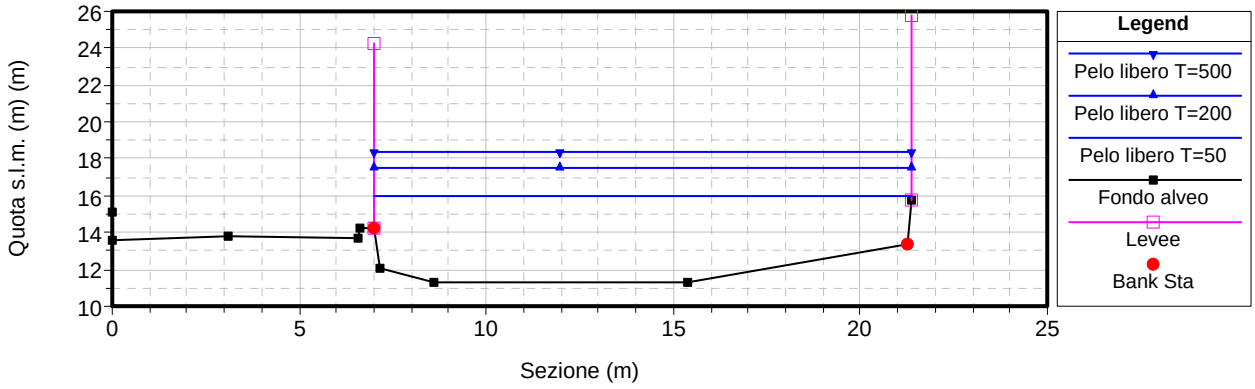
RS = 70



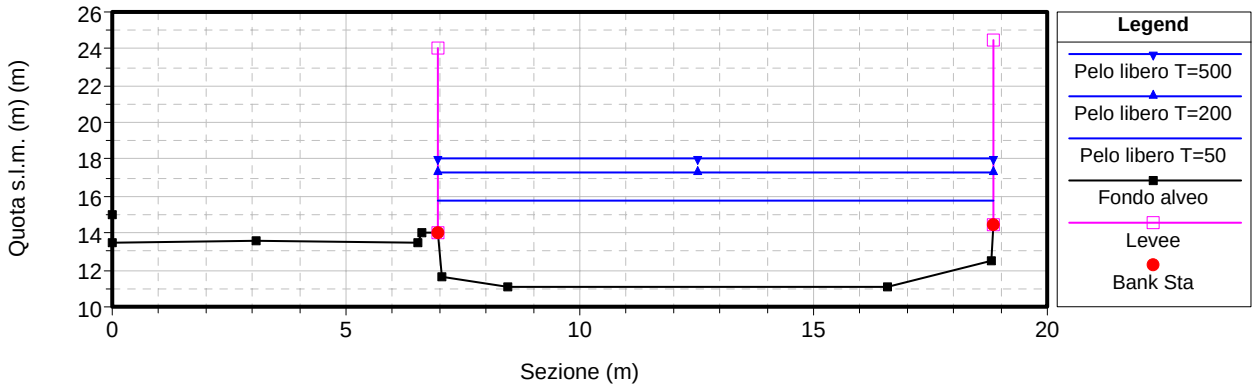
RS = 69



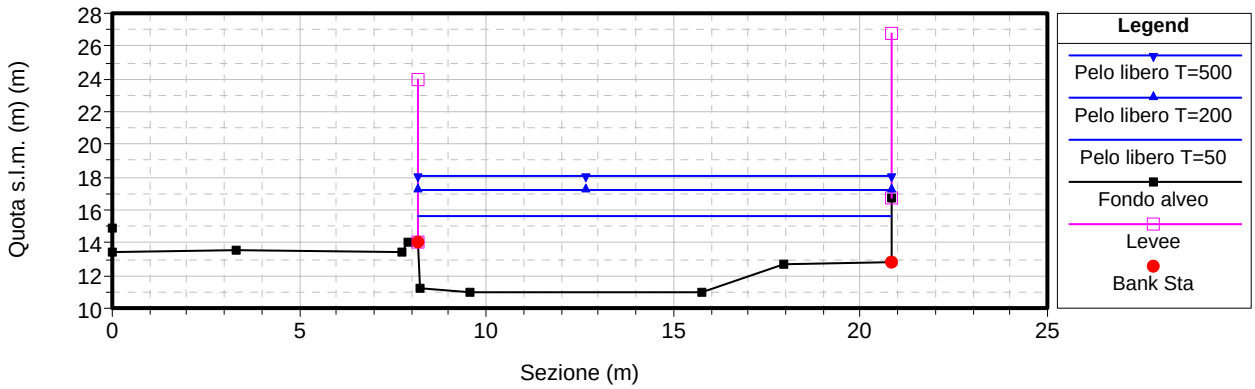
RS = 68



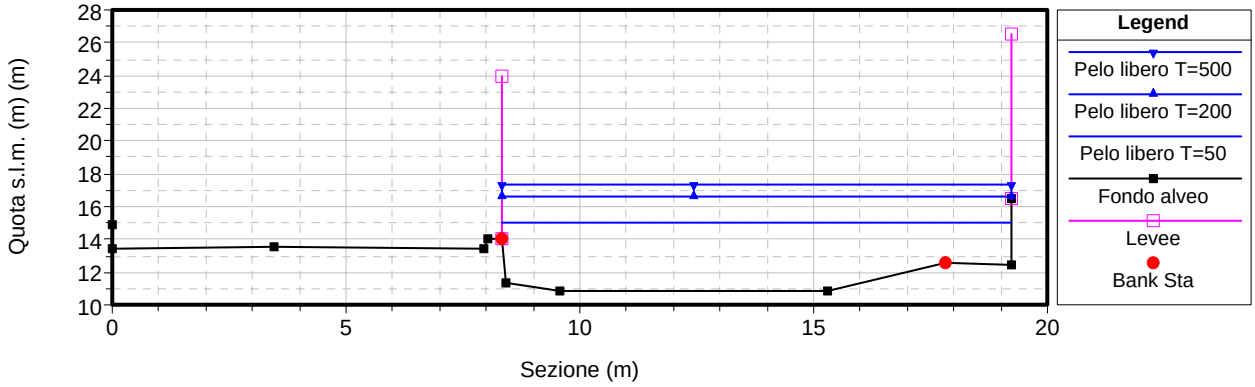
RS = 67



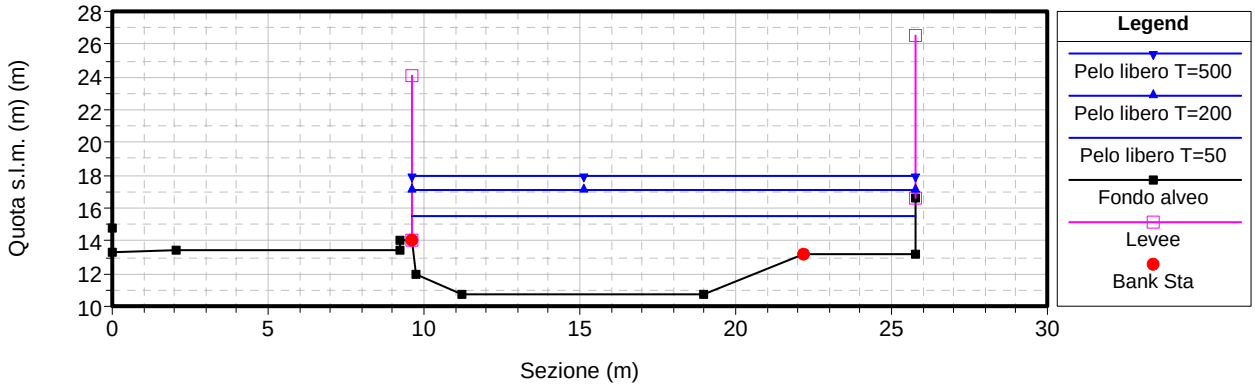
RS = 66



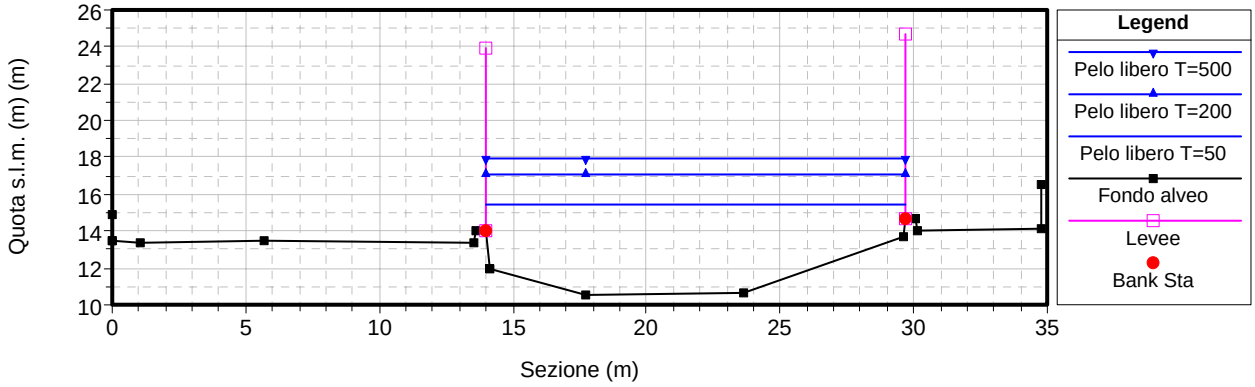
RS = 65



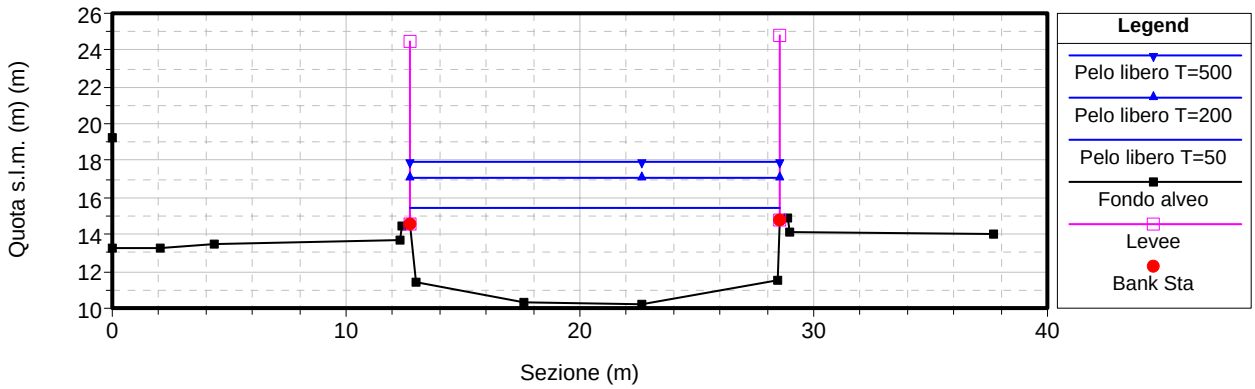
RS = 64



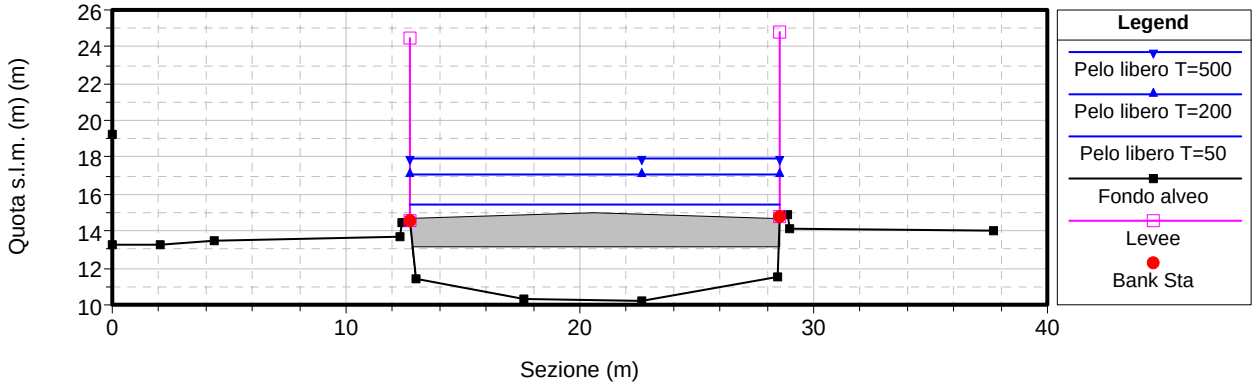
RS = 63



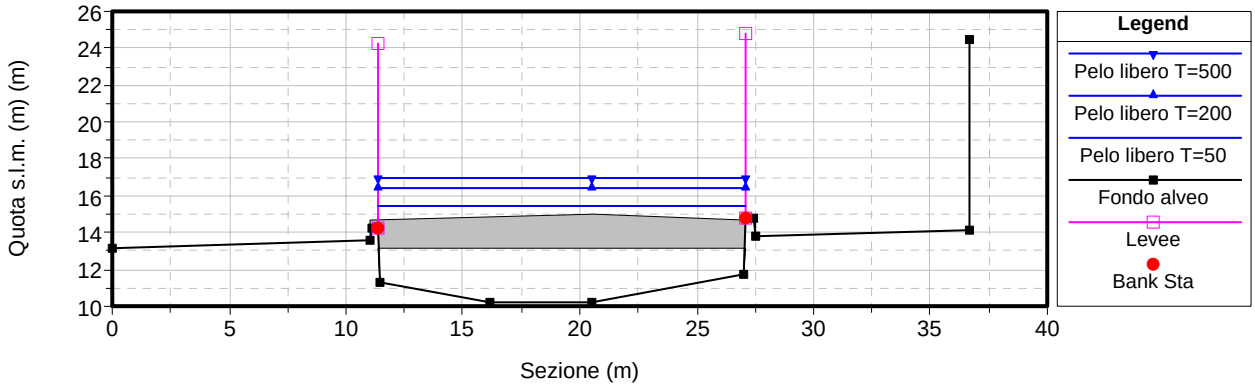
RS = 62.8



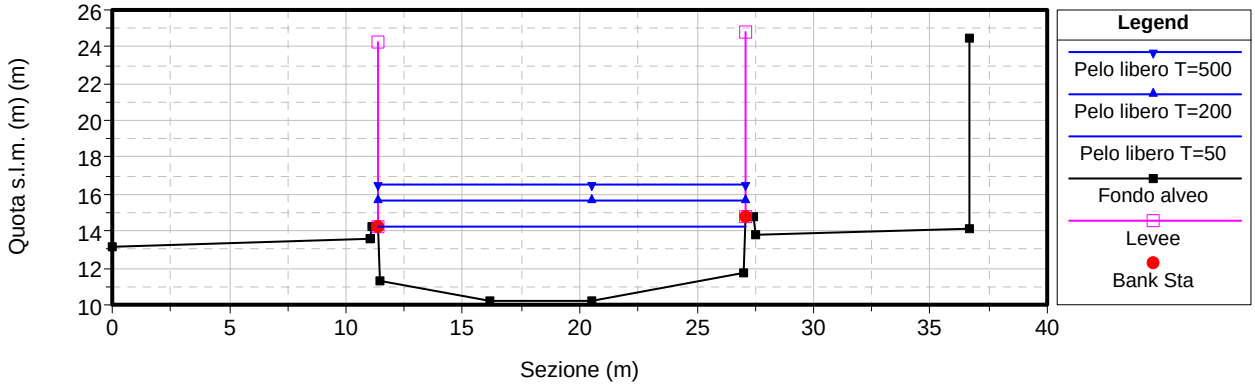
RS = 62.5 BR



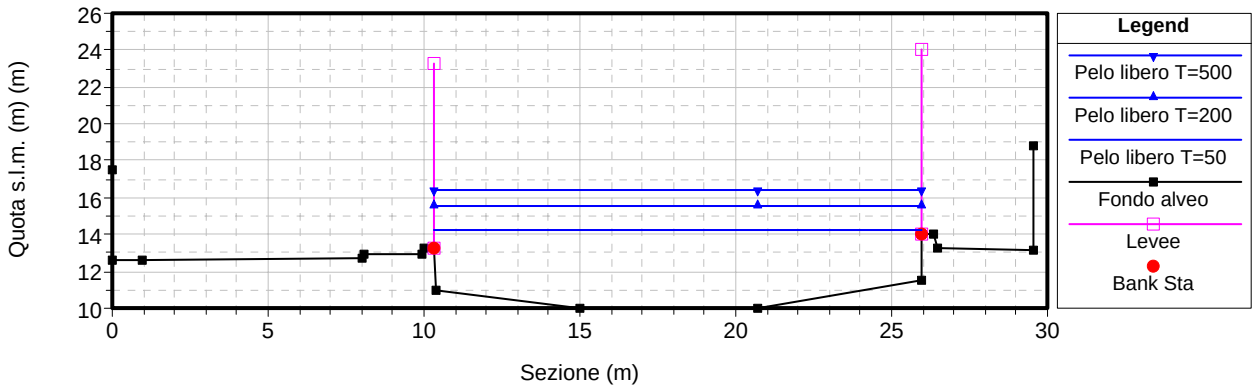
RS = 62.5 BR



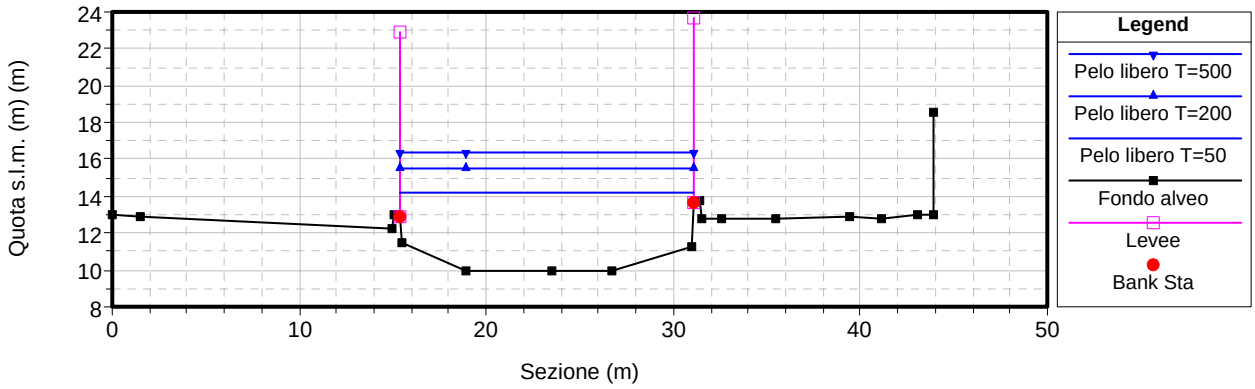
RS = 62



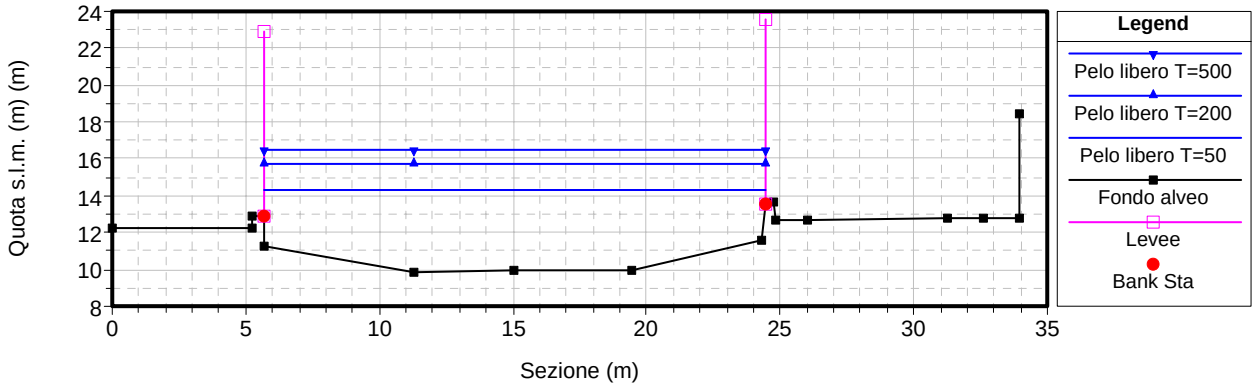
RS = 61



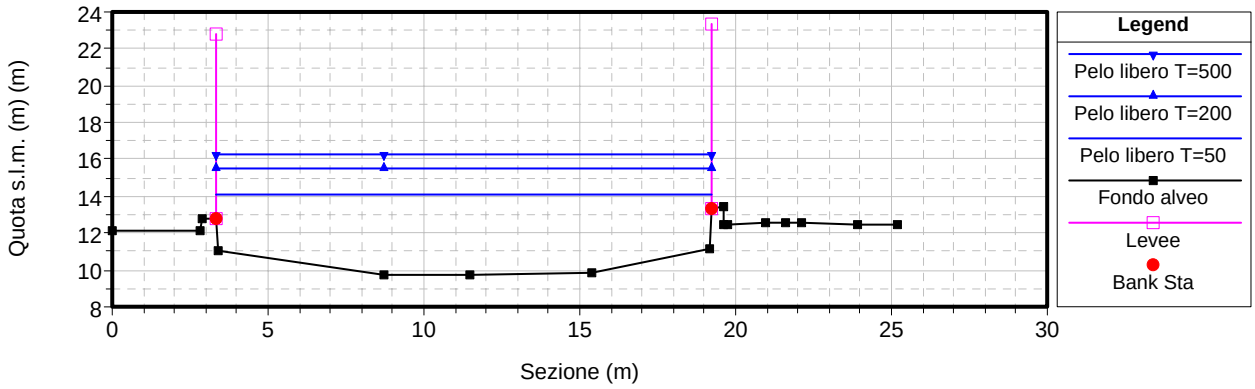
RS = 60



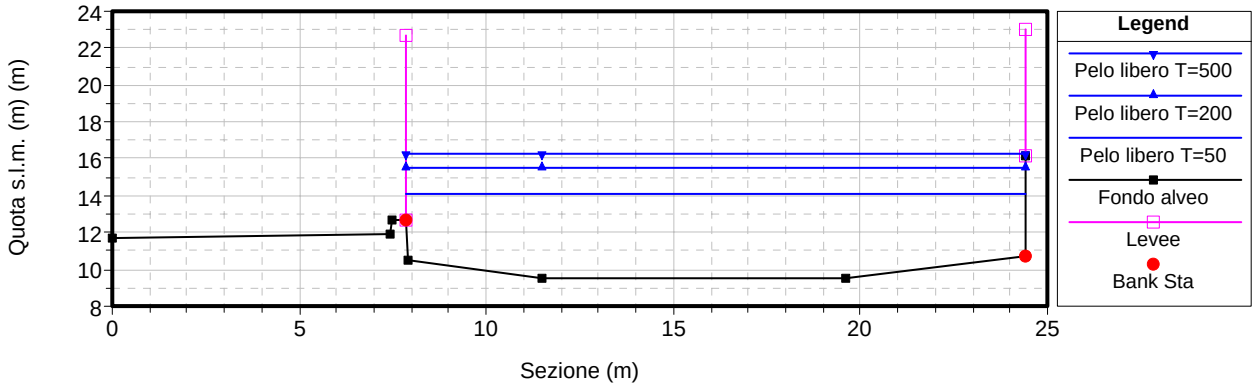
RS = 59



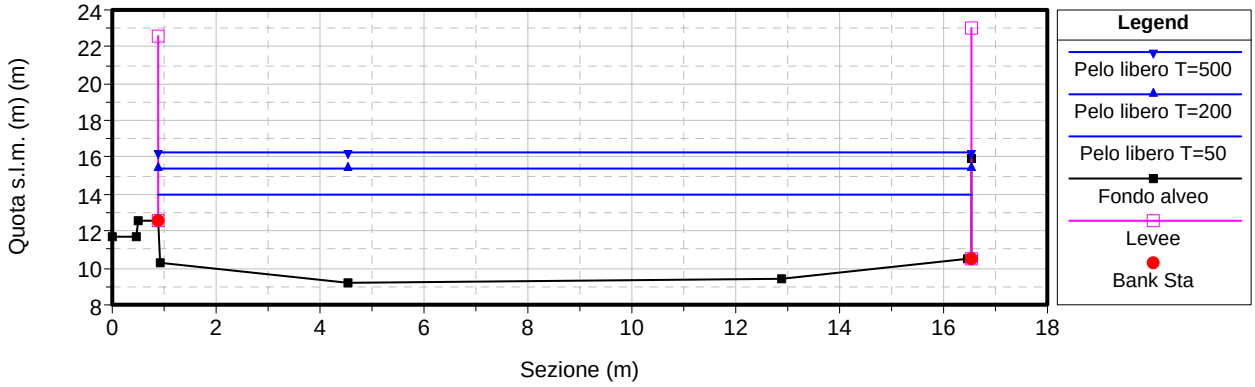
RS = 58



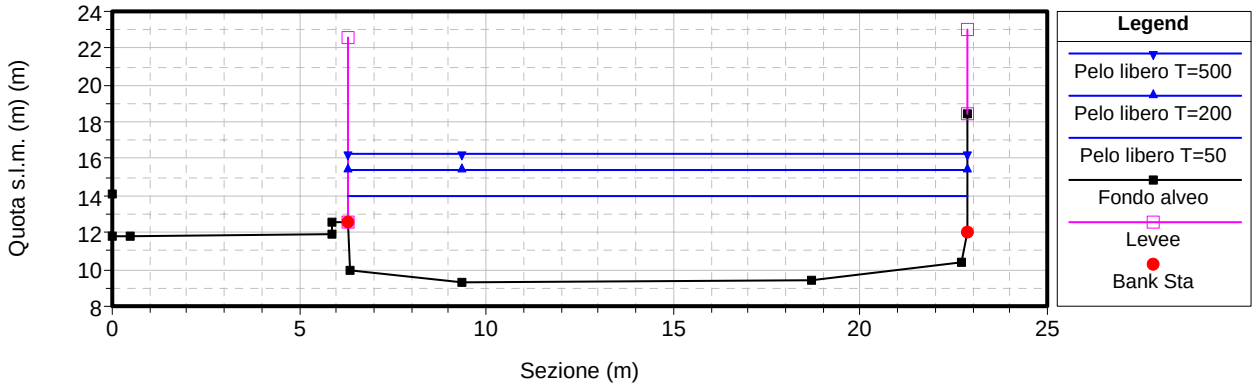
RS = 57



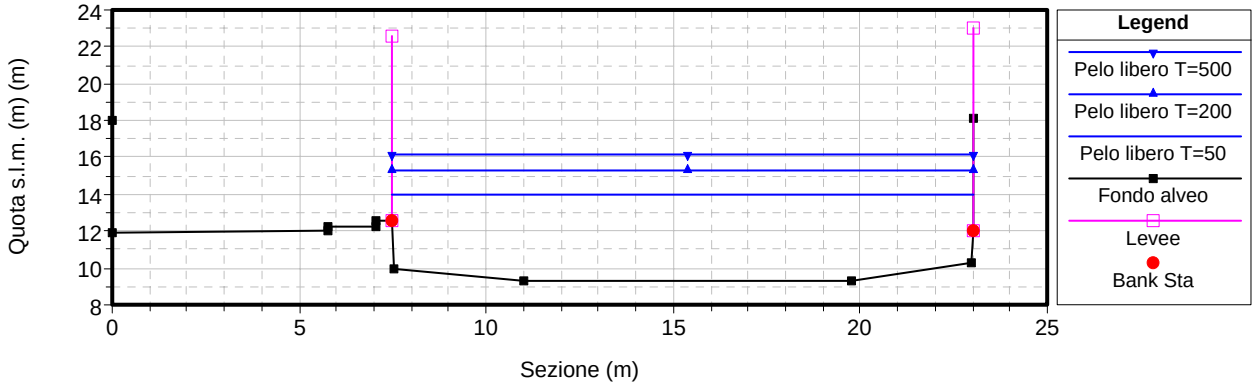
RS = 56



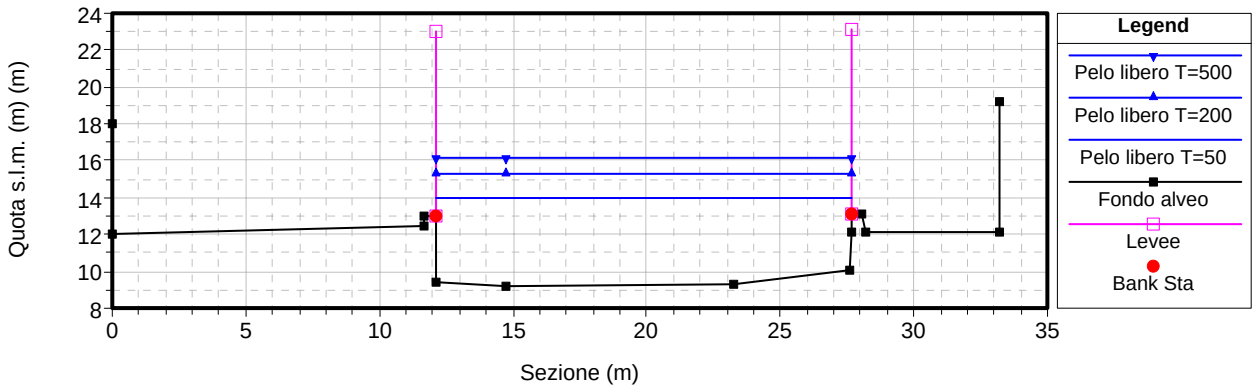
RS = 55



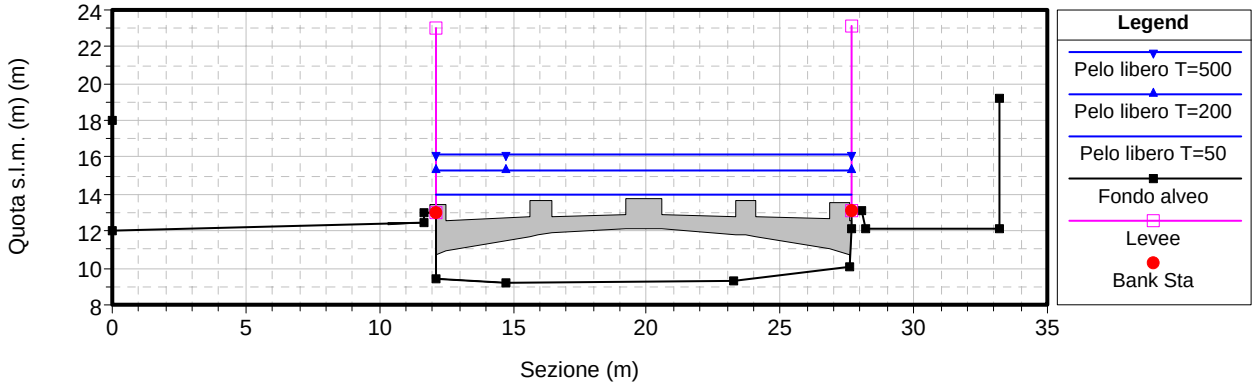
RS = 54



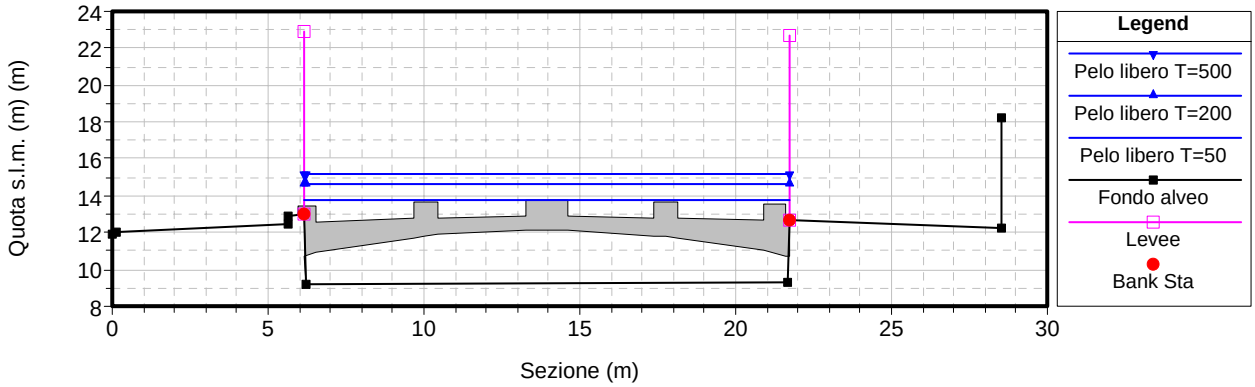
RS = 53



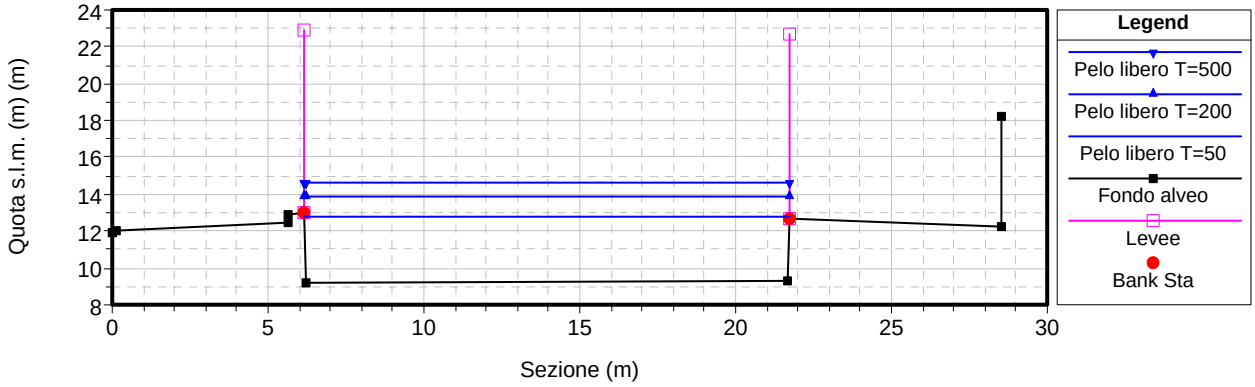
RS = 52.5 BR



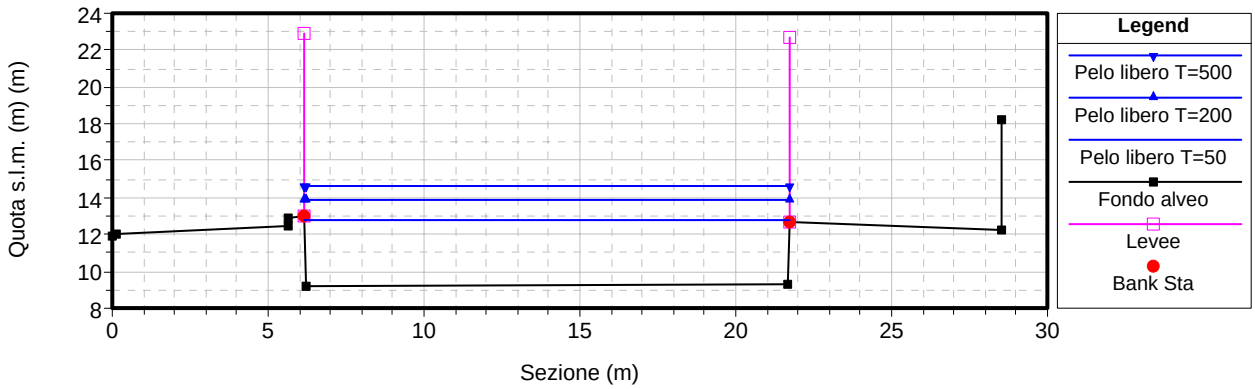
RS = 52.5 BR



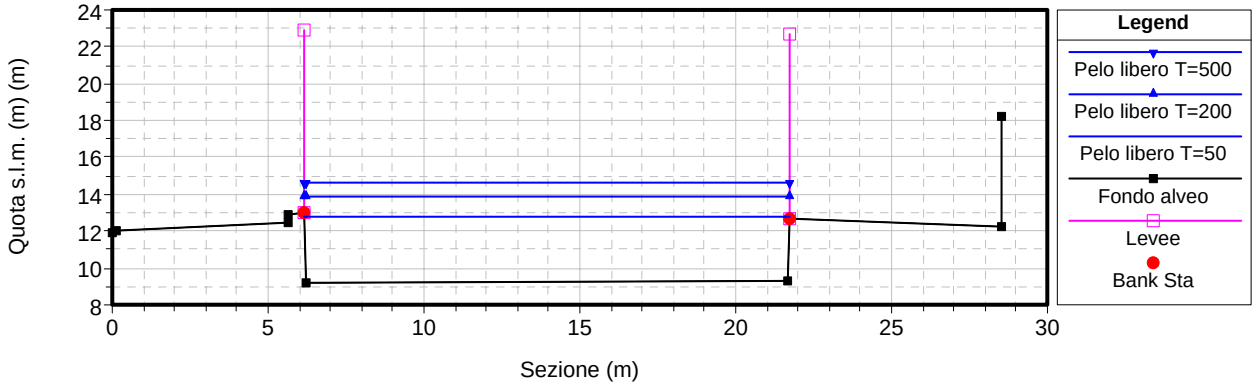
RS = 52



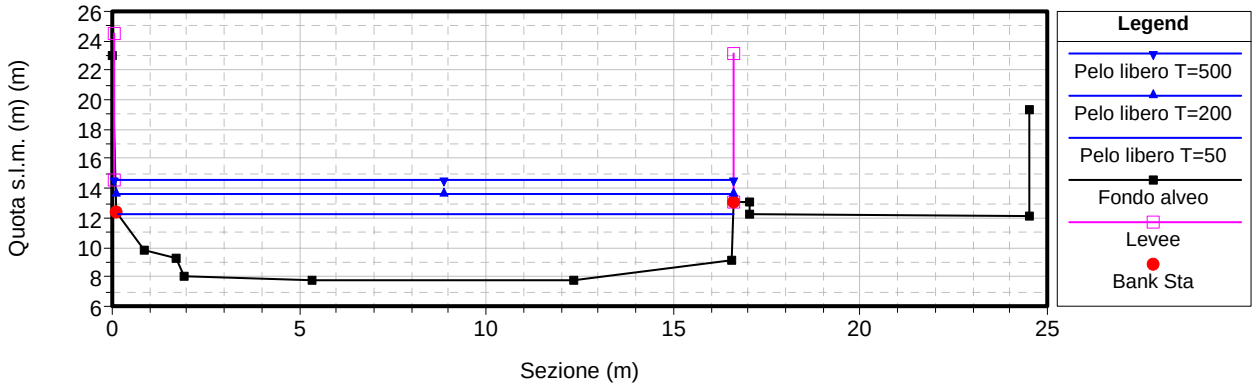
RS = 51.95



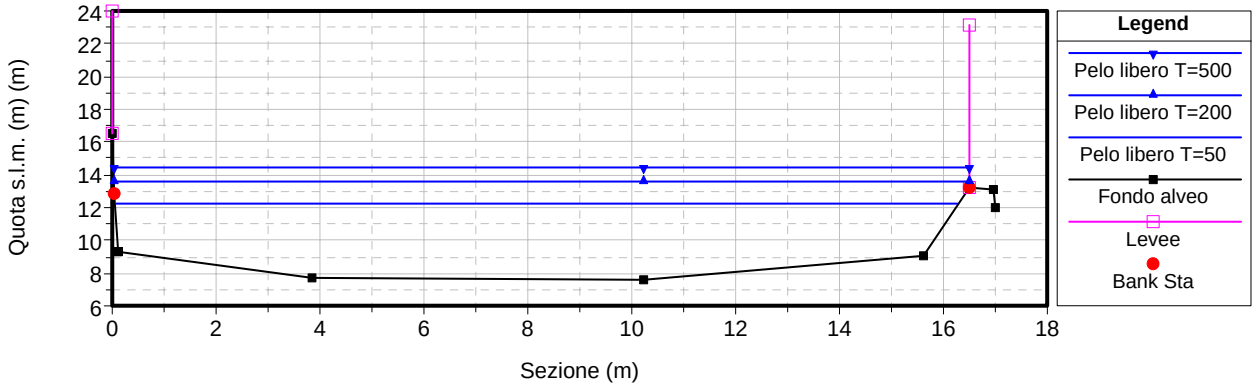
RS = 51.9 IS



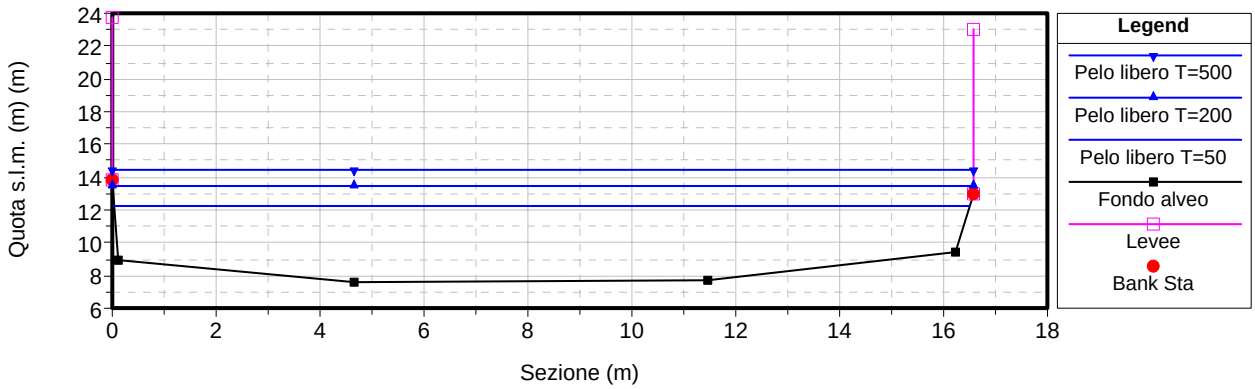
RS = 51



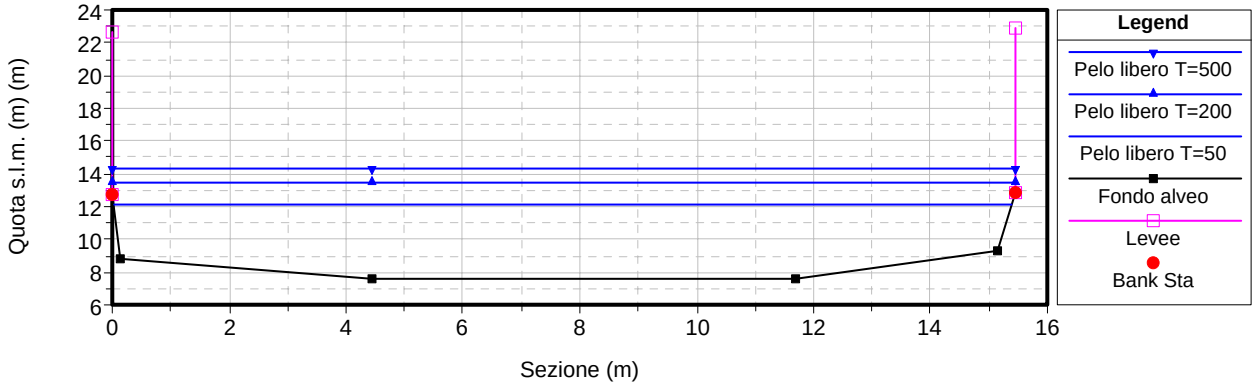
RS = 50



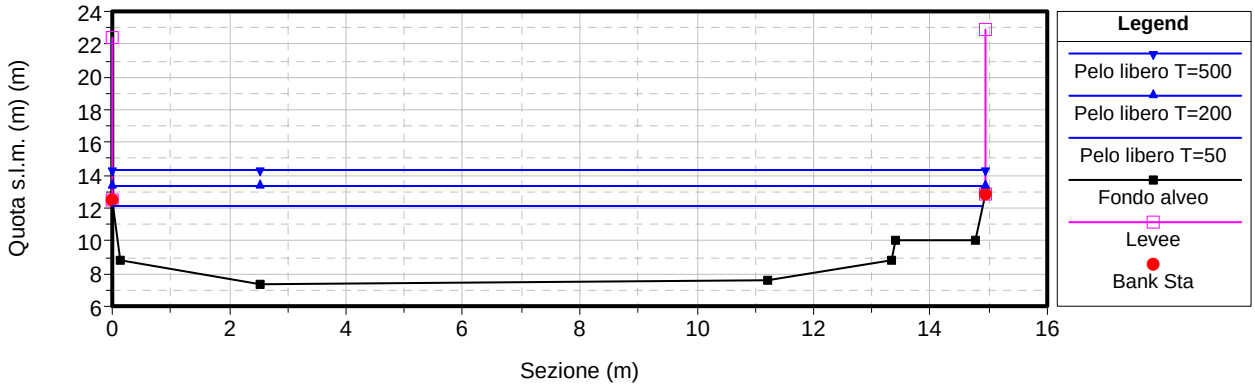
RS = 49



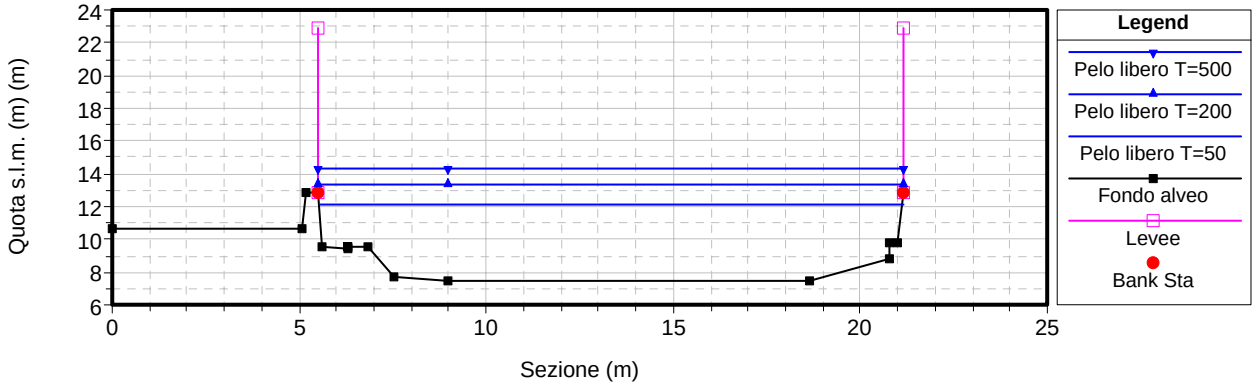
RS = 48



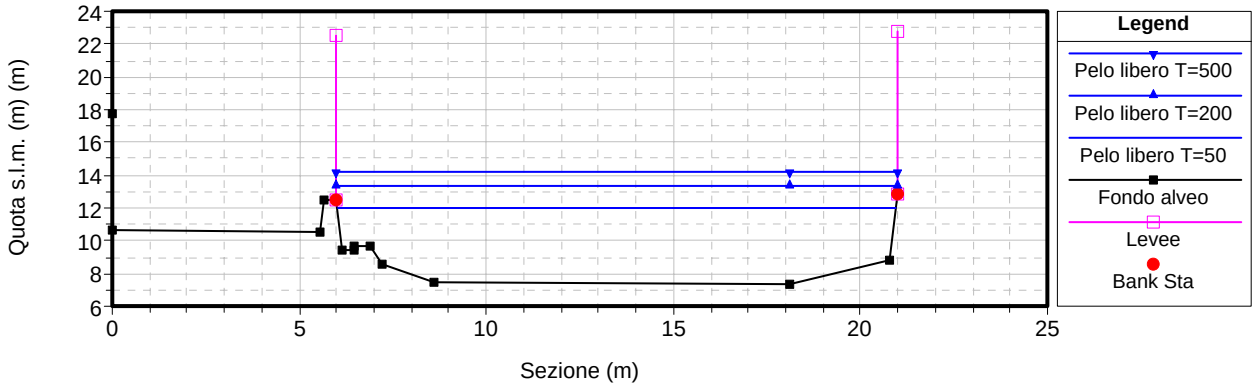
RS = 47



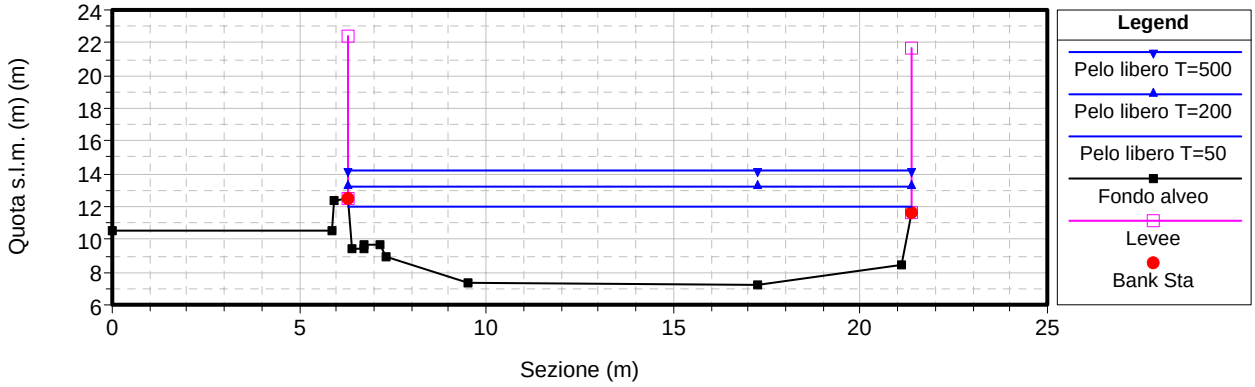
RS = 46



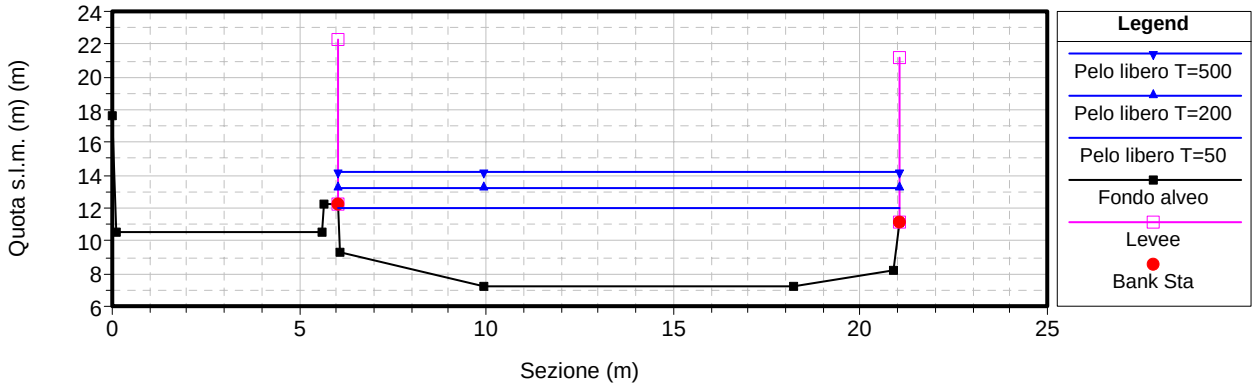
RS = 45



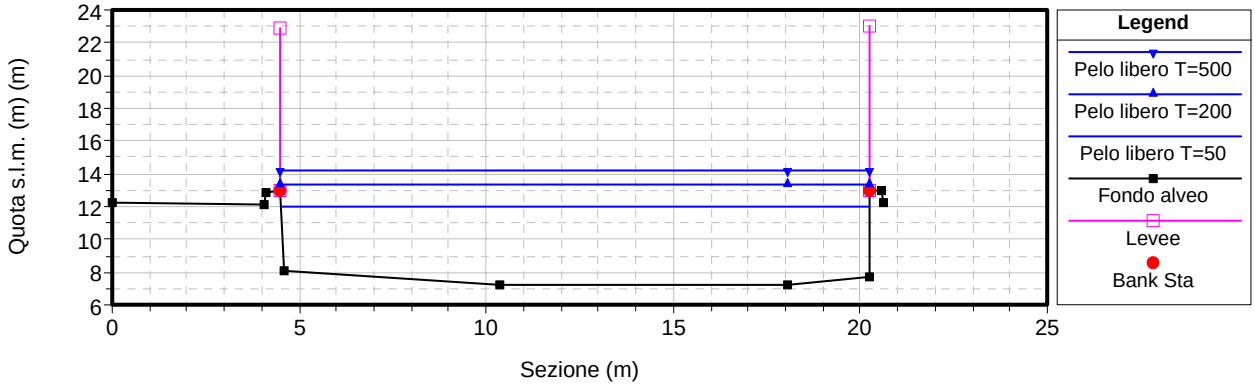
RS = 44



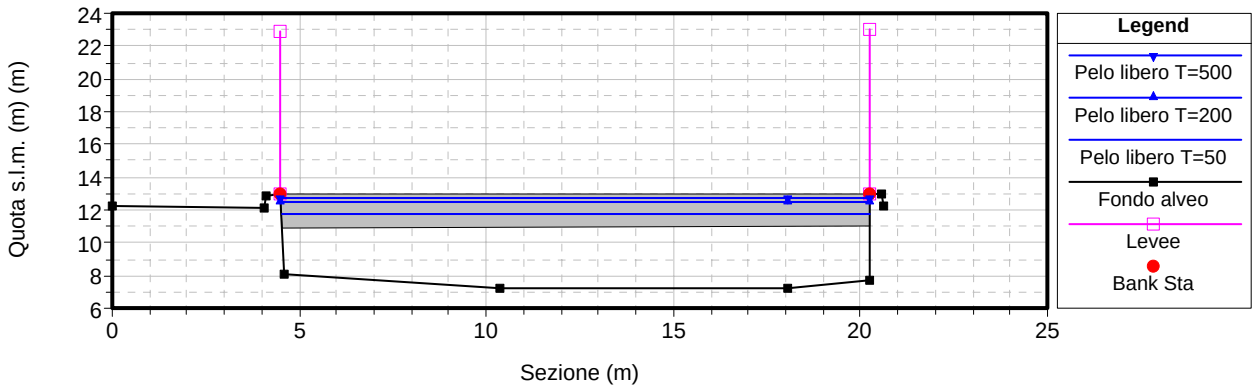
RS = 43



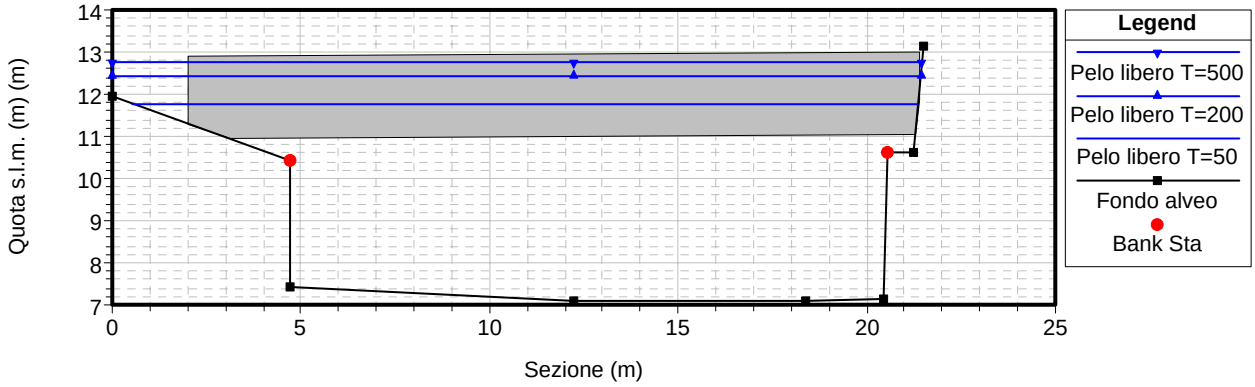
RS = 42



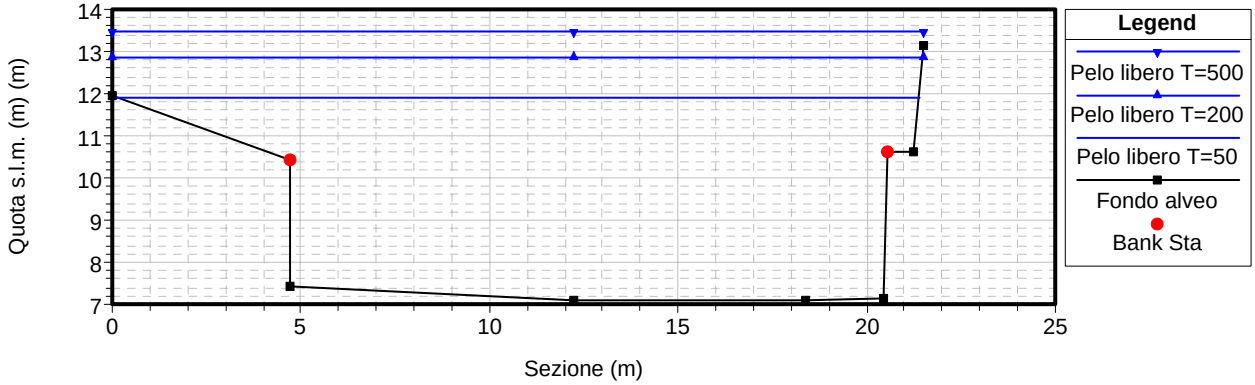
RS = 41.5 BR



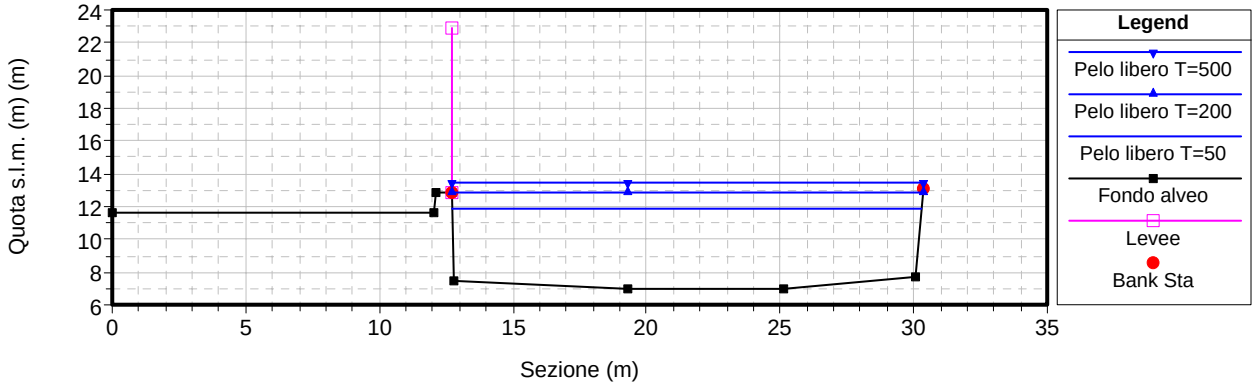
RS = 41.5 BR



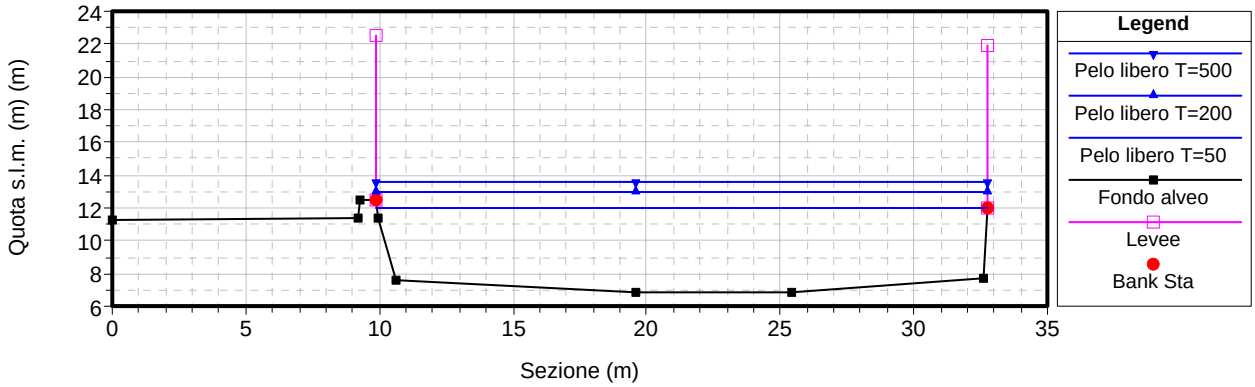
RS = 41



RS = 40



RS = 39



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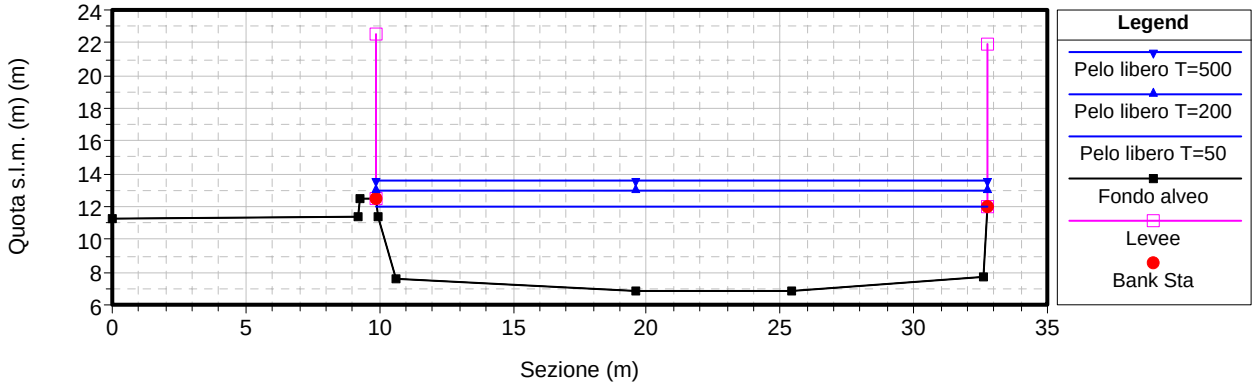

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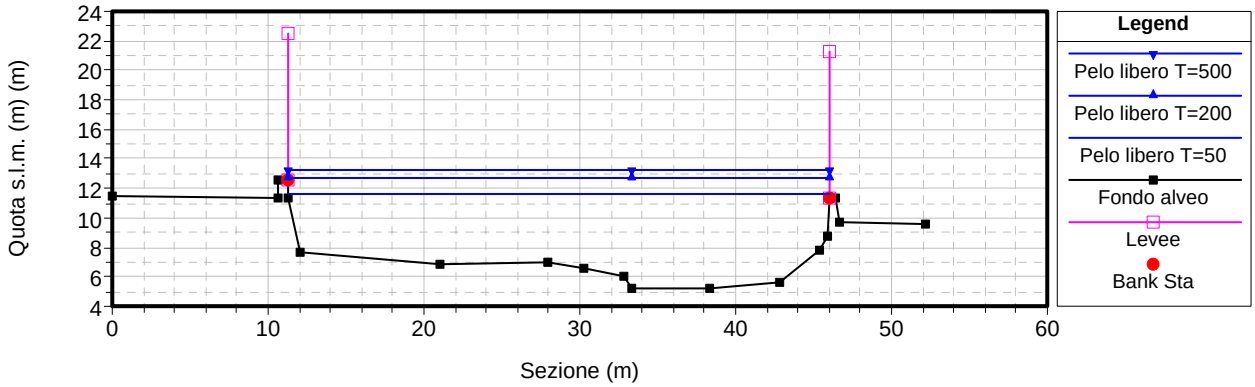

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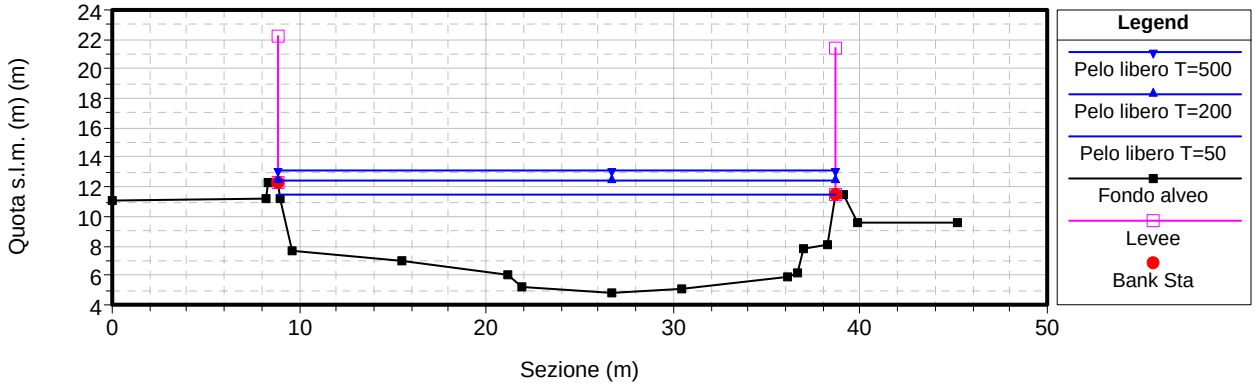


MODELLAZIONE IDRAULICA IN CONDIZIONI DI MOTO PERMANENTE:
TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE PER LE PORTATE T=50, 200, 500 ANNI

AQUILA

Torrente Aquila T=50 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
180	140	151.7	162	162	155.54	155.14	156.51	4.36	32.15	0.82
179.4	140	151.3	161.6	161.6	155.3	154.74	156.17	4.13	33.9	0.76
179.3	Bridge									
179.2	140	151.3	161.6	161.6	154.73	154.73	156.04	5.06	27.66	1.01
178	140	148	152.9	158.4	153	150.94	153.17	1.83	76.51	0.3
177.4	140	146.56	150.76	150.76	152.88	149.54	153.06	1.87	74.9	0.25
177.3	Bridge									
177.2	140	145.89	147.5	149.74	148.94	148.94	150.22	5	28.02	1.01
176.4	140	144.53	146.38	146.38	146.6	147.41	149.38	7.4	18.93	1.84
176.3	Bridge									
176.2	140	144.53	146.38	146.38	147.02	147.43	148.79	5.9	23.74	1.31
175.1	140	143.06	147.06	145.06	144.71	145.37	147	6.7	20.89	1.92
175	140	141.16	142.76	146.46	142.48	143.43	146.65	9.04	15.48	3.12
174.1	140	140.75	141.4	146.75	142.53	142.89	143.87	5.13	27.3	1.44
174	140	139.75	141.35	146.75	141.97	142.43	143.78	5.95	23.53	1.36
173.1	140	139.01	140.61	146.01	141	141.48	142.78	5.9	23.72	1.48
173	140	138.41	140.01	145.41	140.01	140.78	142.62	7.16	19.54	1.85
172	140	137.39	137.89	145.19	140.35	140.35	141.65	5.05	27.7	1.01
171.1	140	134.18	138.28	135.08	135.59	136.42	138.78	7.91	17.7	2.63
171	140	131.18	137.48	132.58	132.04	133.23	137.98	10.79	12.97	3.74
170.4	140	129.32	133.82	131.32	134.79	131.67	134.98	1.94	71.98	0.27
170.3	Bridge									
170.2	140	129.32	133.82	131.32	132.05	131.67	132.88	4.04	34.65	0.8
170	140	128	129.1	131.8	131.14	130.38	131.74	3.44	40.73	0.65
169.6	140	126.8	128.3	129.8	130.85	129.32	131.28	2.9	48.31	0.47
169.4	155	126.65	133.25	130.65	131.03	129.37	131.2	1.87	82.88	0.33
169.3	Bridge									
169.2	155	126.65	133.25	130.65	130.98	129.37	131.16	1.9	81.67	0.34
168.8	155	126.25	129.65	128.55	130.94	128.98	131.15	2.01	77.17	0.34
168.4	155	125.9	129.7	128.95	130.28	129.14	131	3.75	41.3	0.6
168.3	Bridge									
168.2	155	125.9	129.7	128.95	129.72	129.14	130.69	4.37	35.43	0.76
168	155	125.8	129.6	129.3	129.32	129.32	130.56	4.94	31.4	1
167.9	155	123.87	129.87	125.97	125.28	125.83	127.15	6.05	25.6	1.76
167.8	155	123.52	124.52	126.32	125.57	125.66	126.57	4.43	34.96	1.09
167.6	155	121.52	124.52	126.32	122.42	123.34	126.17	8.58	18.06	2.89
167.4	155	119.1	119.5	119.5	121.16	121.16	122.15	4.42	35.1	1
167.2	155	118	119.5	119.1	119.44	120.17	121.97	7.05	21.98	2.02
167	155	117.98	119.68	121.98	120.36	120.36	121.46	4.65	33.31	1.01
166.9	155	114.67	116.27	117.57	117.52	117.6	118.99	5.37	28.88	1.04
166.8	155	112.6	115.1	113.4	117.19	115.07	117.52	2.53	61.33	0.38
166.7	155	112.5	115.1	114.1	115.79	115.79	117.35	5.53	28.05	1
166.45	155	111.9	112.5	112.5	114.21	115.08	117.2	7.66	20.23	1.63
166.44	Inl Struct									
166.42	155	111.9	112.5	112.5	115.08	115.08	116.64	5.52	28.06	1
166.4	155	111.52	117.12	113.52	113.67	114.46	116.39	7.3	21.23	1.94
166.2	155	110.07	113.07	112.07	112.27	112.27	113.26	4.41	35.15	1.01
166	155	109.07	113.07	111.87	110.49	111.26	113.07	7.11	21.8	1.98
165.4	155	107.19	110.44	108.59	110.24	109.97	111.26	4.46	34.72	0.86
165.2	155	103.6	106.6	106.6	107.2	107.2	108.77	5.55	27.91	1.01
165	155	101.33	107.53	106.33	103.99	104.63	106.54	7.07	21.92	1.4
164.4	170	99.06	105.26	106.66	103.83	102.02	104.32	3.1	54.88	0.47

Torrente Aquila T=50 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
164.3	Bridge									
164.2	170	99.06	104.06	105.16	100.78	101.73	103.92	7.85	21.67	2.02
164	170	89.54	93.94	92.04	92.23	92.23	93.57	5.14	33.06	1.01
163.9	170	86.84	91.54	88.34	90.46	89.14	90.91	2.98	57.1	0.5
163.8	170	86.4	91.1	90.3	89.94	89.25	90.76	3.98	42.44	0.71
163.7	Bridge									
163.6	170	86.4	91.1	90.3	89.25	89.25	90.57	5.09	33.4	1.01
163.4	190	61.5	64.4	64.4	62.76	64.15	68.66	10.76	17.66	3.06
163.3	Bridge									
163.2	190	61.5	64.4	64.4	63.04	64.15	67.01	8.83	21.51	2.28
163	190	32.28	33.08	33.08	33.89	34.9	37.38	8.28	22.95	2.14
162.1	190	31.54	32.34	32.34	33.42	33.66	34.62	4.85	39.17	1.25
162	190	25.94	27.54	28.14	26.75	27.98	33.6	11.6	16.38	4.22
161.5	190	25.09	28.39	29.09	28.63	27.48	29.08	2.96	64.28	0.54
161	190	24.09	25.49	26.29	28.26	26.91	28.78	3.2	59.39	0.52
160	190	21.39	23.39	23.59	28.41	23.93	28.53	1.57	121.08	0.19
159	190	20.22	22.42	22.22	28.4	22.85	28.49	1.31	144.72	0.15
158	190	19.05	21.25	21.25	27.84	23.73	28.38	3.26	58.24	0.36
157.4	190	18.79	20.99	20.99	27.15	24.29	28.21	4.57	41.59	0.52
157.3	Bridge									
157.2	190	18.71	20.91	20.91	24.22	24.22	26.78	7.1	26.77	1
156	190	18.45	22.25	20.45	20.77	22.04	25.65	9.79	19.41	2.6
155	190	17.44	21.24	19.44	23.46	21.04	23.85	2.75	69.05	0.39
154.4	190	17.28	21.08	21.08	22.78	21.47	23.72	4.3	44.18	0.62
154.3	Bridge									
154.2	190	17.28	21.08	21.08	21.47	21.47	23.24	5.9	32.22	1
153	190	17.12	20.92	20.82	20	20.78	22.7	7.29	26.08	1.64
106	190	16.66	20.26	20.02	21.63	20.04	22.06	2.92	65.22	0.47
105	190	16.47	20.38	20.02	21.24	20.48	22.01	4.02	50.98	0.6
104.5	Bridge									
104	190	16.55	20.01	20.04	19.24	19.91	21.77	7.05	26.96	1.42
103	190	16.47	19.7	20.03	18.79	19.64	21.65	7.49	25.37	1.71
102	190	16.38	19.64	20.03	18.8	19.59	21.49	7.26	26.16	1.64
101	190	16.24	19.94	20.22	20.23	19.42	20.9	3.62	52.63	0.66
100	190	16.12	20.19	20.31	20.32	19.11	20.8	3.08	61.81	0.55
99	190	15.68	20.71	17.47	20.34	19.01	20.76	2.94	67.81	0.48
98	190	15.34	19.55	18.07	20.41	18.92	20.7	2.45	82.31	0.42
97	190	15.21	18.76	17.73	20.43	18.48	20.66	2.17	92.2	0.35
96	190	15.27	18.5	17.71	20.42	18.48	20.65	2.17	92.63	0.35
95	190	15.07	17.21	17.59	20.36	18.09	20.64	2.34	81.89	0.35
94	190	14.76	16.68	17.29	20.29	18.04	20.62	2.56	74.76	0.38
93	190	14.5	18.2	17.03	20.15	18	20.58	2.93	64.97	0.42
92	190	14.41	18.15	17.1	20.21	17.86	20.55	2.59	73.68	0.37
91	190	14.28	17.89	18.65	20.09	17.66	20.51	2.87	66.2	0.4
90	190	14.17	17.63	17.85	19.89	17.61	20.45	3.32	57.23	0.45
89.5	Bridge									
89	190	14.1	17.49	17.84	19.09	17.61	19.75	3.67	54.94	0.54
88	190	13.95	17.43	17.65	18.44	17.71	19.63	4.84	39.25	0.75
87	190	13.77	17.24	17.45	17.76	17.66	19.43	5.73	33.15	0.96
86	190	13.96	17.15	17.37	17.84	17.84	19.31	5.41	36.17	0.91
85	190	13.65	17.06	17.28	16.85	17.37	19.13	6.69	28.39	1.26
84	190	13.49	16.94	17.39	16.85	17.25	18.94	6.41	29.66	1.21

Torrente Aquila T=50 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
83	190	13.37	16.53	17.38	17.92	16.6	18.6	3.67	51.8	0.57
82	190	13.09	16.22	16.87	17.69	16.5	18.5	3.99	47.57	0.62
81	190	12.89	15.87	16.28	17.58	16.38	18.39	4	48.3	0.61
80	190	12.74	15.68	16.38	17.59	16.09	18.29	3.7	51.38	0.55
79.5	Bridge									
79	190	12.71	15.69	16.27	16.67	15.96	17.66	4.41	43.09	0.73
78	190	12.7	15.54	16.86	16.73	15.8	17.55	4.01	47.43	0.66
77	190	12.48	15.33	16.92	16.77	15.56	17.4	3.51	54.15	0.57
76	190	12.21	15.19	16.81	16.9	15.08	17.27	2.69	70.68	0.42
75.5	Bridge									
75	190	12.19	15.61	15.18	16.33	15.05	16.79	3.02	64.6	0.51
74	190	12.16	15.54	15.17	16.3	15.03	16.77	3.04	62.45	0.51
73	190	12	15.29	13.74	16.11	14.98	16.72	3.47	55.21	0.58
72	190	11.7	14.85	14.39	16.31	14.69	16.57	2.29	82.99	0.39
71	190	11.48	14.46	14.19	16.28	14.43	16.54	2.27	83.93	0.37
70	190	11.31	14.45	13.65	16.23	14.2	16.53	2.43	78.26	0.38
69	190	11.3	14.27	13.2	15.99	14.38	16.49	3.14	60.74	0.49
68	190	11.31	14.22	13.37	15.95	14.42	16.47	3.21	59.41	0.5
67	190	11.1	14.05	14.43	15.74	14.25	16.39	3.59	52.99	0.54
66	190	10.93	14.02	12.79	15.65	14.35	16.32	3.63	52.29	0.57
65	190	10.91	14.02	12.52	15.06	14.52	16.25	4.92	40.52	0.79
64	190	10.77	14.03	13.13	15.45	14.05	15.95	3.23	62.32	0.5
63	190	10.58	13.98	14.68	15.43	13.85	15.89	2.99	63.53	0.48
62.8	190	10.22	14.52	14.81	15.48	13.14	15.8	2.51	75.63	0.37
62.5	Bridge									
62	190	10.19	14.24	14.76	14.27	13.17	14.86	3.4	55.81	0.58
61	190	10.01	13.29	14.03	14.21	12.9	14.73	3.21	59.23	0.53
60	190	9.98	12.95	13.7	14.16	12.8	14.67	3.17	59.86	0.52
59	190	9.9	12.91	13.58	14.26	12.56	14.6	2.6	72.94	0.42
58	190	9.69	12.78	13.38	14.09	12.58	14.55	3.03	62.7	0.49
57	190	9.48	12.65	10.75	14.11	12.16	14.46	2.66	71.54	0.41
56	190	9.25	12.59	10.51	14.03	12.06	14.41	2.74	69.35	0.42
55	190	9.34	12.56	12.05	14.03	11.94	14.36	2.57	73.81	0.39
54	190	9.34	12.61	11.98	13.96	11.99	14.34	2.75	69.09	0.42
53	190	9.18	12.98	13.14	13.96	11.84	14.32	2.65	71.57	0.4
52.5	Bridge									
52	190	9.24	12.96	12.67	12.83	11.73	13.42	3.42	55.6	0.58
51.95	190	9.24	12.96	12.67	12.81	11.73	13.41	3.43	55.34	0.58
51.9	Inl Struct									
51	190	7.74	12.4	13.13	12.28	10.54	12.69	2.84	67	0.45
50	190	7.64	12.91	13.17	12.22	10.62	12.66	2.95	64.51	0.47
49	190	7.64	13.81	13.01	12.21	10.55	12.63	2.86	66.38	0.46
48	190	7.54	12.68	12.91	12.15	10.48	12.6	2.98	63.68	0.47
47	190	7.34	12.43	12.91	12.08	10.5	12.57	3.1	61.33	0.49
46	190	7.44	12.91	12.91	12.1	10.32	12.52	2.88	66.04	0.45
45	190	7.33	12.55	12.82	12.04	10.29	12.49	2.98	63.81	0.46
44	190	7.21	12.43	11.69	12.02	10.26	12.46	2.95	64.39	0.46
43	190	7.22	12.27	11.19	12	10.14	12.43	2.88	65.9	0.44
42	190	7.18	12.93	12.98	12.04	9.85	12.38	2.6	73.06	0.39
41.5	Bridge									
41	190	7.09	10.45	10.6	11.89	9.63	12.2	2.51	78.61	0.37
40	190	6.95	12.84	13.12	11.91	9.47	12.18	2.3	82.52	0.34

Torrente Aquila T=50 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
39	190	6.82	12.53	11.95	11.98	9.11	12.14	1.75	108.43	0.26
38.9	Inl Struct									
38	519	5.24	12.52	11.28	11.64	9.37	12.08	2.94	176.61	0.42
37	519	4.79	12.24	11.42	11.51	9.29	12.06	3.28	158.35	0.45

Torrente Aquila T=200 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
180	203	151.7	162	162	156.4	155.91	157.58	4.82	42.12	0.82
179.4	203	151.3	161.6	161.6	156.15	155.51	157.23	4.62	43.9	0.78
179.3	Bridge									
179.2	203	151.3	161.6	161.6	155.52	155.52	157.1	5.56	36.51	1
178	203	148	152.9	158.4	153.27	151.41	153.58	2.47	82.12	0.39
177.4	203	146.56	150.76	150.76	153.03	150.18	153.39	2.64	76.93	0.35
177.3	Bridge									
177.2	203	145.89	147.5	149.74	149.66	149.66	151.27	5.64	36.02	1.01
176.4	203	144.53	146.38	146.38	147.14	148.1	150.44	8.05	25.23	1.73
176.3	Bridge									
176.2	203	144.53	146.38	146.38	147.62	148.12	149.85	6.61	30.73	1.29
175.1	203	143.06	147.06	145.06	145.04	145.91	148.04	7.68	26.44	1.96
175	203	141.16	142.76	146.46	142.77	143.89	147.68	9.82	20.67	3.2
174.1	203	140.75	141.4	146.75	144.17	143.35	144.69	3.21	63.21	0.62
174	203	139.75	141.35	146.75	143.11	143.11	144.59	5.39	37.69	1.01
173.1	203	139.01	140.61	146.01	141.41	142.08	143.78	6.83	29.73	1.55
173	203	138.41	140.01	145.41	140.41	141.36	143.63	7.95	25.52	1.96
172	203	137.39	137.89	145.19	141.11	141.11	142.72	5.61	36.16	1.01
171.1	203	134.18	138.28	135.08	135.87	136.91	139.85	8.84	22.97	2.58
171	203	131.18	137.48	132.58	132.34	133.8	139.11	11.52	17.62	3.44
170.4	203	129.32	133.82	131.32	135.44	132.31	135.76	2.51	80.96	0.33
170.3	Bridge									
170.2	203	129.32	133.82	131.32	132.95	132.31	133.91	4.34	46.72	0.75
170	203	128	129.1	131.8	132.26	131	132.91	3.58	56.74	0.57
169.6	203	126.8	128.3	129.8	131.96	129.98	132.5	3.27	62.11	0.47
169.4	225	126.65	133.25	130.65	132.19	129.8	132.4	1.99	113.29	0.3
169.3	Bridge									
169.2	225	126.65	133.25	130.65	132.15	129.81	132.36	2.01	112.21	0.31
168.8	225	126.25	129.65	128.55	132.1	129.59	132.34	2.2	102.22	0.32
168.4	225	125.9	129.7	128.95	131.15	129.95	132.16	4.45	50.51	0.65
168.3	Bridge									
168.2	225	125.9	129.7	128.95	130.13	129.95	131.76	5.65	39.81	0.93
168	225	125.8	129.6	129.3	130.02	130.02	131.61	5.58	40.3	1
167.9	225	123.87	129.87	125.97	125.59	126.33	128.09	7.01	32.11	1.83
167.8	225	123.52	124.52	126.32	126.15	126.16	127.32	4.8	46.91	1.02
167.6	225	121.52	124.52	126.32	122.76	123.85	126.92	9.04	24.88	2.6
167.4	225	119.1	119.5	119.5	121.72	121.72	123	5.01	44.89	1
167.2	225	118	119.5	119.1	121.95	120.73	122.51	3.32	67.7	0.55
167	225	117.98	119.68	121.98	121.15	120.99	122.39	4.93	45.64	0.93
166.9	225	114.67	116.27	117.57	118.38	118.38	120.16	5.91	38.08	1
166.8	225	112.6	115.1	113.4	118.46	115.74	118.87	2.86	78.72	0.38
166.7	225	112.5	115.1	114.1	116.67	116.67	118.67	6.26	35.93	1
166.45	225	111.9	112.5	112.5	114.96	115.96	118.52	8.36	26.92	1.54
166.44	Inl Struct									
166.42	225	111.9	112.5	112.5	115.96	115.96	117.96	6.26	35.93	1
166.4	225	111.52	117.12	113.52	114.04	115.09	117.66	8.43	26.71	2
166.2	225	110.07	113.07	112.07	112.82	112.82	114.09	4.99	45.09	1.01
166	225	109.07	113.07	111.87	110.96	111.84	113.89	7.59	29.65	1.84
165.4	225	107.19	110.44	108.59	111.3	110.68	112.41	4.67	48.19	0.77
165.2	225	103.6	106.6	106.6	108.09	108.09	110.09	6.26	35.93	1
165	225	101.33	107.53	106.33	104.9	105.58	107.85	7.61	29.58	1.29
164.4	244	99.06	105.26	106.66	105.86	102.76	106.34	3.06	79.7	0.38

Torrente Aquila T=200 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
164.3	Bridge									
164.2	244	99.06	104.06	105.16	102.39	102.39	103.78	5.21	46.79	1.01
164	244	89.54	93.94	92.04	91.89	92.95	95.51	8.43	28.95	1.76
163.9	244	86.84	91.54	88.34	92.36	89.75	92.76	2.79	87.61	0.38
163.8	244	86.4	91.1	90.3	92.08	89.98	92.68	3.43	71.17	0.48
163.7	Bridge									
163.6	244	86.4	91.1	90.3	89.98	89.98	91.63	5.7	42.84	1.01
163.4	280	61.5	64.4	64.4	63.21	64.93	70.17	11.69	23.95	2.85
163.3	Bridge									
163.2	280	61.5	64.4	64.4	63.49	64.94	68.62	10.03	27.93	2.27
163	280	32.28	33.08	33.08	34.31	35.65	38.96	9.55	29.31	2.18
162.1	280	31.54	32.34	32.34	33.67	34.19	35.61	6.17	45.36	1.47
162	280	25.94	27.54	28.14	31.31	28.53	31.56	2.21	126.81	0.31
161.5	280	25.09	28.39	29.09	31.19	28.15	31.47	2.37	118.29	0.32
161	280	24.09	25.49	26.29	30.95	27.64	31.34	2.77	101.02	0.35
160	280	21.39	23.39	23.59	31.02	24.6	31.16	1.66	168.17	0.17
159	280	20.22	22.42	22.22	31.02	23.5	31.12	1.45	193.62	0.14
158	280	19.05	21.25	21.25	30.3	24.98	31	3.71	75.45	0.36
157.4	280	18.79	20.99	20.99	29.37	25.81	30.79	5.27	53.16	0.53
157.3	Bridge									
157.2	280	18.71	20.91	20.91	25.73	25.73	29.06	8.09	34.62	1
156	280	18.45	22.25	20.45	25.56	22.86	26.13	3.35	83.65	0.43
155	280	17.44	21.24	19.44	25.24	21.85	25.7	3.01	92.93	0.37
154.4	280	17.28	21.08	21.08	24.43	22.51	25.57	4.73	59.19	0.59
154.3	Bridge									
154.2	280	17.28	21.08	21.08	22.51	22.51	24.8	6.71	41.72	1
153	280	17.12	20.92	20.82	20.54	21.61	24.18	8.46	33.09	1.7
106	280	16.66	20.26	20.02	22.93	20.75	23.46	3.24	86.76	0.45
105	280	16.47	20.38	20.02	22.69	21.38	23.43	3.98	75.48	0.52
104.5	Bridge									
104	280	16.55	20.01	20.04	21.71	20.95	22.99	5.08	56.94	0.73
103	280	16.47	19.7	20.03	22.08	20.61	22.81	3.84	76.5	0.54
102	280	16.38	19.64	20.03	22.1	20.57	22.78	3.76	78.27	0.52
101	280	16.24	19.94	20.22	22.17	20.19	22.69	3.22	89.3	0.46
100	280	16.12	20.19	20.31	22.23	19.85	22.64	2.84	99.62	0.4
99	280	15.68	20.71	17.47	22.24	19.67	22.62	2.83	104.77	0.38
98	280	15.34	19.55	18.07	22.33	19.56	22.57	2.25	136.07	0.31
97	280	15.21	18.76	17.73	22.33	19.15	22.55	2.12	141.25	0.28
96	280	15.27	18.5	17.71	22.33	19.14	22.54	2.12	141.86	0.28
95	280	15.07	17.21	17.59	22.23	18.75	22.53	2.44	115.92	0.31
94	280	14.76	16.68	17.29	22.14	18.76	22.51	2.7	104.44	0.34
93	280	14.5	18.2	17.03	21.97	18.81	22.48	3.15	89.23	0.39
92	280	14.41	18.15	17.1	22.05	18.61	22.44	2.77	101.71	0.34
91	280	14.28	17.89	18.65	21.9	18.51	22.41	3.15	88.81	0.38
90	280	14.17	17.63	17.85	21.63	18.57	22.33	3.72	75.31	0.44
89.5	Bridge									
89	280	14.1	17.49	17.84	20.74	18.83	21.39	3.73	80.08	0.47
88	280	13.95	17.43	17.65	19.74	18.74	21.25	5.45	51.41	0.74
87	280	13.77	17.24	17.45	19.23	18.7	21.07	6.01	46.56	0.85
86	280	13.96	17.15	17.37	19.66	18.76	20.83	4.93	60.1	0.67
85	280	13.65	17.06	17.28	19.78	18.48	20.72	4.43	67.02	0.59
84	280	13.49	16.94	17.39	19.37	18.2	20.64	4.99	56.16	0.69

Torrente Aquila T=200 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
83	280	13.37	16.53	17.38	19.61	17.46	20.36	3.86	72.59	0.51
82	280	13.09	16.22	16.87	19.35	17.42	20.26	4.24	65.98	0.56
81	280	12.89	15.87	16.28	19.25	17.3	20.17	4.26	67.38	0.55
80	280	12.74	15.68	16.38	19.27	16.99	20.08	3.99	70.1	0.51
79.5	Bridge									
79	280	12.71	15.69	16.27	18.11	16.85	19.23	4.69	59.7	0.66
78	280	12.7	15.54	16.86	18.19	16.64	19.12	4.26	65.79	0.59
77	280	12.48	15.33	16.92	18.27	16.35	18.97	3.71	75.39	0.51
76	280	12.21	15.19	16.81	18.42	15.78	18.84	2.89	96.73	0.39
75.5	Bridge									
75	280	12.19	15.61	15.18	17.97	15.81	18.41	2.98	97.77	0.42
74	280	12.16	15.54	15.17	17.91	15.7	18.4	3.09	90.7	0.43
73	280	12	15.29	13.74	17.71	15.73	18.35	3.56	79.76	0.49
72	280	11.7	14.85	14.39	17.94	15.23	18.21	2.3	122.09	0.32
71	280	11.48	14.46	14.19	17.91	15.01	18.19	2.34	119.9	0.32
70	280	11.31	14.45	13.65	17.83	14.86	18.18	2.6	108	0.34
69	280	11.3	14.27	13.2	17.56	15.15	18.13	3.37	83.52	0.45
68	280	11.31	14.22	13.37	17.52	15.19	18.12	3.42	82.05	0.46
67	280	11.1	14.05	14.43	17.25	15.12	18.04	3.94	70.98	0.52
66	280	10.93	14.02	12.79	17.2	15.19	17.97	3.9	71.89	0.52
65	280	10.91	14.02	12.52	16.58	15.47	17.9	5.19	57.09	0.71
64	280	10.77	14.03	13.13	17.05	14.78	17.59	3.39	88.17	0.45
63	280	10.58	13.98	14.68	17.03	14.57	17.54	3.16	88.73	0.42
62.8	280	10.22	14.52	14.81	17.07	13.87	17.47	2.78	100.86	0.35
62.5	Bridge									
62	280	10.19	14.24	14.76	15.66	13.9	16.32	3.61	77.67	0.52
61	280	10.01	13.29	14.03	15.6	13.62	16.21	3.45	81.17	0.48
60	280	9.98	12.95	13.7	15.56	13.54	16.16	3.42	81.83	0.48
59	280	9.9	12.91	13.58	15.68	13.2	16.08	2.81	99.64	0.39
58	280	9.69	12.78	13.38	15.48	13.31	16.03	3.3	84.88	0.46
57	280	9.48	12.65	10.75	15.5	12.86	15.95	2.96	94.66	0.39
56	280	9.25	12.59	10.51	15.41	12.78	15.89	3.08	90.96	0.41
55	280	9.34	12.56	12.05	15.42	12.64	15.84	2.89	96.82	0.38
54	280	9.34	12.61	11.98	15.33	12.71	15.82	3.1	90.43	0.41
53	280	9.18	12.98	13.14	15.34	12.57	15.8	3.01	93.05	0.39
52.5	Bridge									
52	280	9.24	12.96	12.67	13.92	12.46	14.67	3.86	72.61	0.57
51.95	280	9.24	12.96	12.67	13.9	12.46	14.66	3.87	72.35	0.57
51.9	Inl Struct									
51	280	7.74	12.4	13.13	13.59	11.27	14.1	3.16	88.62	0.44
50	280	7.64	12.91	13.17	13.53	11.34	14.07	3.26	86	0.45
49	280	7.64	13.81	13.01	13.53	11.26	14.04	3.18	88.13	0.44
48	280	7.54	12.68	12.91	13.44	11.23	14.01	3.35	83.56	0.46
47	280	7.34	12.43	12.91	13.36	11.26	13.98	3.48	80.37	0.48
46	280	7.44	12.91	12.91	13.38	11.05	13.92	3.25	86.12	0.44
45	280	7.33	12.55	12.82	13.31	11.05	13.89	3.38	82.78	0.46
44	280	7.21	12.43	11.69	13.28	11.01	13.86	3.35	83.52	0.45
43	280	7.22	12.27	11.19	13.27	10.9	13.82	3.3	84.9	0.44
42	280	7.18	12.93	12.98	13.31	10.58	13.77	3.01	93.12	0.39
41.5	Bridge									
41	280	7.09	10.45	10.6	12.85	10.35	13.28	2.99	99.13	0.4
40	280	6.95	12.84	13.12	12.85	10.15	13.26	2.82	99.12	0.38

Torrente Aquila T=200 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
39	280	6.82	12.53	11.95	12.96	9.69	13.2	2.14	130.99	0.29
38.9	Inl Struct									
38	647	5.24	12.52	11.28	12.65	9.82	13.12	3.06	211.52	0.4
37	647	4.79	12.24	11.42	12.49	9.8	13.1	3.45	187.57	0.44

Torrente Aquila T=500 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
180	245	151.7	162	162	156.9	156.37	158.21	5.07	48.35	0.83
179.4	245	151.3	161.6	161.6	156.65	155.98	157.86	4.88	50.16	0.79
179.3	Bridge									
179.2	245	151.3	161.6	161.6	155.98	155.98	157.72	5.84	41.94	1
178	245	148	152.9	158.4	154.07	151.7	154.38	2.49	98.43	0.36
177.4	245	146.56	150.76	150.76	153.79	150.58	154.2	2.81	87.27	0.35
177.3	Bridge									
177.2	245	145.89	147.5	149.74	150.1	150.1	151.92	5.97	41.02	1
176.4	245	144.53	146.38	146.38	150.56	148.54	151.29	3.8	64.46	0.51
176.3	Bridge									
176.2	245	144.53	146.38	146.38	148.54	148.54	150.33	5.94	41.25	1
175.1	245	143.06	147.06	145.06	145.19	146.24	148.82	8.44	29.02	2.06
175	245	141.16	142.76	146.46	142.9	144.17	148.46	10.45	23.44	3.2
174.1	245	140.75	141.4	146.75	144.79	143.63	145.3	3.16	77.49	0.55
174	245	139.75	141.35	146.75	143.52	143.52	145.17	5.69	43.05	1.01
173.1	245	139.01	140.61	146.01	141.68	142.44	144.35	7.25	33.82	1.55
173	245	138.41	140.01	145.41	143.2	141.72	143.81	3.45	70.92	0.55
172	245	137.39	137.89	145.19	141.57	141.57	143.35	5.91	41.46	1.01
171.1	245	134.18	138.28	135.08	136.04	137.21	140.49	9.35	26.22	2.55
171	245	131.18	137.48	132.58	132.53	134.14	139.78	11.92	20.55	3.3
170.4	245	129.32	133.82	131.32	136.31	132.7	136.66	2.64	92.94	0.32
170.3	Bridge									
170.2	245	129.32	133.82	131.32	133.59	132.7	134.58	4.42	55.43	0.7
170	245	128	129.1	131.8	132.99	131.38	133.67	3.65	67.19	0.54
169.6	245	126.8	128.3	129.8	132.68	130.38	133.28	3.44	71.13	0.46
169.4	271	126.65	133.25	130.65	132.95	130.06	133.16	2.04	132.96	0.29
169.3	Bridge									
169.2	271	126.65	133.25	130.65	132.91	130.06	133.13	2.05	131.93	0.29
168.8	271	126.25	129.65	128.55	132.85	129.9	133.11	2.29	118.48	0.31
168.4	271	125.9	129.7	128.95	131.77	130.42	132.92	4.75	57.01	0.65
168.3	Bridge									
168.2	271	125.9	129.7	128.95	130.43	130.42	132.46	6.32	42.91	1
168	271	125.8	129.6	129.3	130.44	130.44	132.24	5.94	45.63	1
167.9	271	123.87	129.87	125.97	125.77	126.63	128.66	7.52	36.02	1.86
167.8	271	123.52	124.52	126.32	126.3	126.48	127.79	5.42	50.04	1.11
167.6	271	121.52	124.52	126.32	122.97	124.16	127.39	9.32	29.08	2.48
167.4	271	119.1	119.5	119.5	122.06	122.06	123.5	5.32	50.93	1
167.2	271	118	119.5	119.1	122.44	121.05	123.08	3.53	76.7	0.55
167	271	117.98	119.68	121.98	121.72	121.37	122.96	4.95	54.75	0.86
166.9	271	114.67	116.27	117.57	118.85	118.85	120.86	6.29	43.09	1
166.8	271	112.6	115.1	113.4	119.21	116.14	119.68	3.04	89.15	0.38
166.7	271	112.5	115.1	114.1	117.2	117.2	119.46	6.66	40.67	1
166.45	271	111.9	112.5	112.5	115.42	116.48	119.3	8.73	31.04	1.5
166.44	Inl Struct									
166.42	271	111.9	112.5	112.5	116.48	116.48	118.75	6.66	40.66	1
166.4	271	111.52	117.12	113.52	114.27	115.47	118.41	9.02	30.03	2.02
166.2	271	110.07	113.07	112.07	113.17	113.17	114.59	5.29	51.25	1
166	271	109.07	113.07	111.87	111.23	112.17	114.39	7.87	34.44	1.78
165.4	271	107.19	110.44	108.59	112	111.1	113.15	4.75	57.01	0.72
165.2	271	103.6	106.6	106.6	108.6	108.6	110.88	6.69	40.54	1.01
165	271	101.33	107.53	106.33	105.49	106.36	108.63	7.85	34.54	1.23
164.4	294	99.06	105.26	106.66	106.33	103.22	106.93	3.44	85.39	0.42

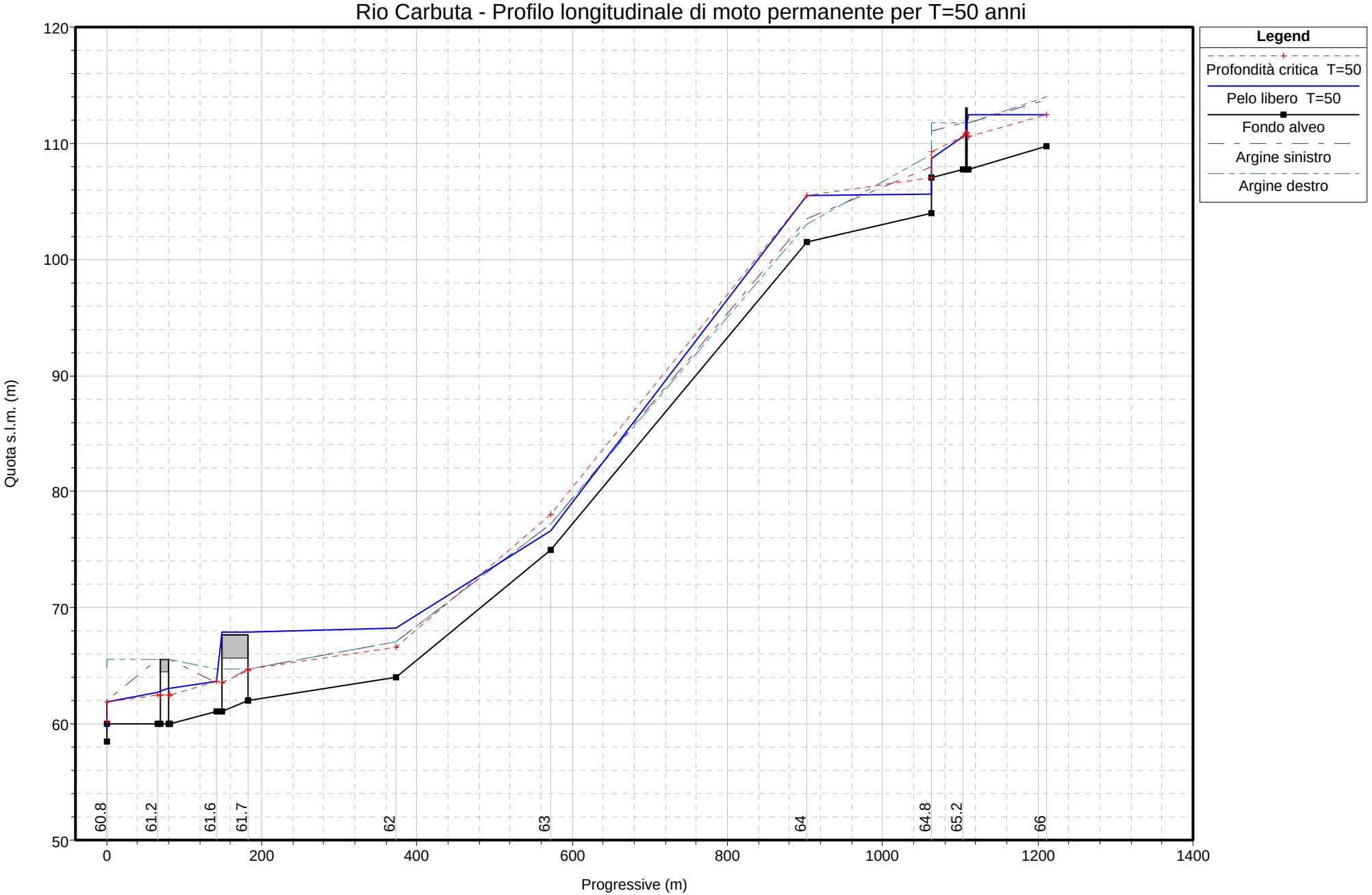
Torrente Aquila T=500 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
164.3	Bridge									
164.2	294	99.06	104.06	105.16	102.79	102.79	104.32	5.47	53.71	1.01
164	294	89.54	93.94	92.04	92.24	93.4	96.22	8.84	33.27	1.72
163.9	294	86.84	91.54	88.34	92.95	90.13	93.42	3.03	97.01	0.39
163.8	294	86.4	91.1	90.3	92.61	90.42	93.33	3.75	78.41	0.5
163.7	Bridge									
163.6	294	86.4	91.1	90.3	90.42	90.42	92.28	6.03	48.77	1.01
163.4	340	61.5	64.4	64.4	63.48	65.4	71.11	12.24	27.79	2.77
163.3	Bridge									
163.2	340	61.5	64.4	64.4	63.78	65.42	69.58	10.67	31.86	2.26
163	340	32.28	33.08	33.08	34.58	36.1	39.91	10.23	33.22	2.19
162.1	340	31.54	32.34	32.34	33.81	34.51	36.27	6.95	48.9	1.6
162	340	25.94	27.54	28.14	32.86	28.86	33.08	2.06	165.22	0.25
161.5	340	25.09	28.39	29.09	32.76	28.54	33.02	2.24	151.69	0.27
161	340	24.09	25.49	26.29	32.54	28.09	32.91	2.71	125.68	0.3
160	340	21.39	23.39	23.59	32.6	24.99	32.75	1.73	196.57	0.17
159	340	20.22	22.42	22.22	32.59	23.89	32.71	1.52	223.12	0.14
158	340	19.05	21.25	21.25	31.78	25.74	32.58	3.96	85.81	0.36
157.4	340	18.79	20.99	20.99	30.71	26.73	32.34	5.66	60.09	0.53
157.3	Bridge									
157.2	340	18.71	20.91	20.91	26.65	26.65	30.44	8.63	39.4	1
156	340	18.45	22.25	20.45	26.62	23.35	27.23	3.48	97.82	0.41
155	340	17.44	21.24	19.44	26.29	22.34	26.81	3.18	107.03	0.36
154.4	340	17.28	21.08	21.08	25.38	23.14	26.66	5.01	67.88	0.59
154.3	Bridge									
154.2	340	17.28	21.08	21.08	23.12	23.12	25.76	7.19	47.32	1.01
153	340	17.12	20.92	20.82	23.78	22.1	24.8	4.48	75.96	0.6
106	340	16.66	20.26	20.02	23.87	21.18	24.44	3.34	102.48	0.43
105	340	16.47	20.38	20.02	23.7	21.83	24.41	3.91	92.43	0.47
104.5	Bridge									
104	340	16.55	20.01	20.04	22.92	21.53	24.04	4.79	74.29	0.62
103	340	16.47	19.7	20.03	23.22	21.08	23.89	3.74	95.87	0.47
102	340	16.38	19.64	20.03	23.23	21.04	23.88	3.66	98.15	0.46
101	340	16.24	19.94	20.22	23.3	20.64	23.8	3.18	110.52	0.41
100	340	16.12	20.19	20.31	23.35	20.28	23.76	2.83	121.8	0.36
99	340	15.68	20.71	17.47	23.35	20.06	23.74	2.86	126.54	0.35
98	340	15.34	19.55	18.07	23.45	19.93	23.69	2.24	167.58	0.28
97	340	15.21	18.76	17.73	23.45	19.49	23.67	2.15	170.14	0.26
96	340	15.27	18.5	17.71	23.45	19.47	23.67	2.15	170.85	0.26
95	340	15.07	17.21	17.59	23.33	19.15	23.66	2.52	136.07	0.29
94	340	14.76	16.68	17.29	23.24	19.2	23.64	2.81	122	0.32
93	340	14.5	18.2	17.03	23.05	19.31	23.61	3.3	103.53	0.38
92	340	14.41	18.15	17.1	23.14	19.07	23.56	2.9	118.26	0.33
91	340	14.28	17.89	18.65	22.96	19.03	23.53	3.33	102.12	0.37
90	340	14.17	17.63	17.85	22.65	19.16	23.45	3.96	85.91	0.44
89.5	Bridge									
89	340	14.1	17.49	17.84	21.77	19.31	22.44	3.78	95.85	0.44
88	340	13.95	17.43	17.65	20.64	19.37	22.29	5.68	59.83	0.72
87	340	13.77	17.24	17.45	20.18	19.33	22.11	6.15	55.25	0.8
86	340	13.96	17.15	17.37	20.69	19.26	21.84	4.9	73.71	0.61
85	340	13.65	17.06	17.28	20.8	18.99	21.74	4.45	81.22	0.54
84	340	13.49	16.94	17.39	20.3	18.77	21.66	5.15	65.98	0.66

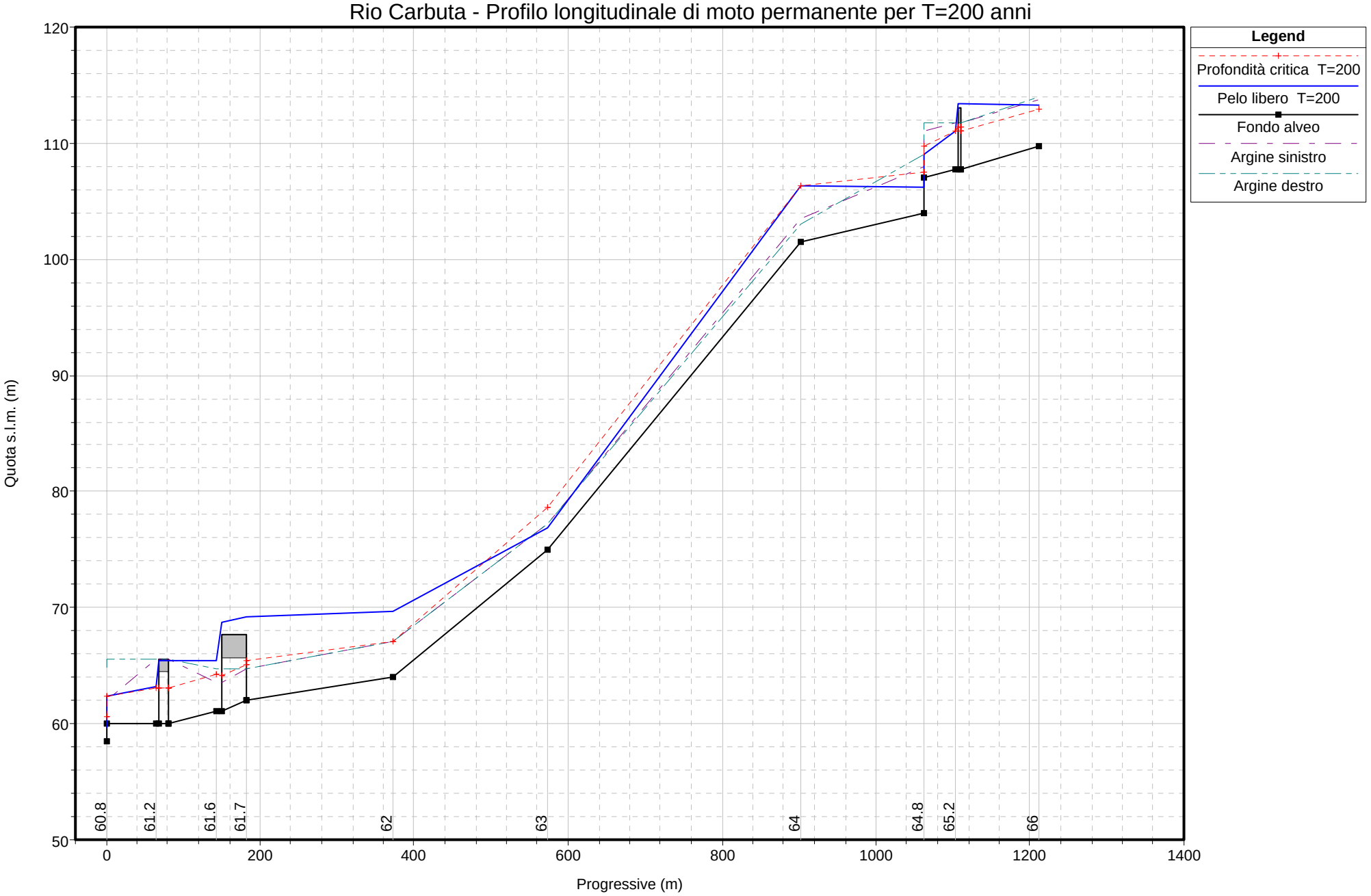
Torrente Aquila T=500 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
83	340	13.37	16.53	17.38	20.55	17.98	21.38	4.04	84.23	0.49
82	340	13.09	16.22	16.87	20.27	17.97	21.28	4.46	76.19	0.54
81	340	12.89	15.87	16.28	20.17	17.84	21.18	4.49	77.83	0.54
80	340	12.74	15.68	16.38	20.18	17.55	21.1	4.23	80.37	0.5
79.5	Bridge									
79	340	12.71	15.69	16.27	18.91	17.4	20.15	4.94	68.87	0.64
78	340	12.7	15.54	16.86	19	17.16	20.03	4.48	75.95	0.58
77	340	12.48	15.33	16.92	19.1	16.84	19.87	3.9	87.14	0.5
76	340	12.21	15.19	16.81	19.26	16.19	19.74	3.06	111.26	0.38
75.5	Bridge									
75	340	12.19	15.61	15.18	18.92	16.21	19.38	3.04	117.03	0.39
74	340	12.16	15.54	15.17	18.85	16.11	19.36	3.17	107.22	0.41
73	340	12	15.29	13.74	18.63	16.19	19.32	3.67	93.97	0.47
72	340	11.7	14.85	14.39	18.89	15.57	19.17	2.35	144.8	0.3
71	340	11.48	14.46	14.19	18.86	15.36	19.15	2.42	140.76	0.31
70	340	11.31	14.45	13.65	18.76	15.26	19.14	2.73	125.26	0.33
69	340	11.3	14.27	13.2	18.46	15.62	19.1	3.54	96.6	0.44
68	340	11.31	14.22	13.37	18.43	15.66	19.08	3.59	95.02	0.45
67	340	11.1	14.05	14.43	18.11	15.65	19	4.19	81.2	0.51
66	340	10.93	14.02	12.79	18.07	15.7	18.93	4.1	82.86	0.51
65	340	10.91	14.02	12.52	17.37	16.05	18.85	5.5	65.64	0.71
64	340	10.77	14.03	13.13	17.91	15.22	18.51	3.57	102.05	0.44
63	340	10.58	13.98	14.68	17.89	15.02	18.46	3.33	102.25	0.42
62.8	340	10.22	14.52	14.81	17.93	14.31	18.38	2.97	114.46	0.35
62.5	Bridge									
62	340	10.19	14.24	14.76	16.48	14.34	17.2	3.75	90.62	0.5
61	340	10.01	13.29	14.03	16.43	14.07	17.09	3.61	94.1	0.47
60	340	9.98	12.95	13.7	16.39	13.97	17.04	3.59	94.74	0.47
59	340	9.9	12.91	13.58	16.52	13.59	16.96	2.95	115.37	0.38
58	340	9.69	12.78	13.38	16.3	13.75	16.91	3.47	97.91	0.45
57	340	9.48	12.65	10.75	16.32	13.28	16.83	3.14	108.26	0.39
56	340	9.25	12.59	10.51	16.22	13.22	16.77	3.28	103.63	0.41
55	340	9.34	12.56	12.05	16.23	13.07	16.72	3.08	110.3	0.38
54	340	9.34	12.61	11.98	16.14	13.16	16.69	3.3	102.91	0.41
53	340	9.18	12.98	13.14	16.14	13.01	16.67	3.22	105.62	0.4
52.5	Bridge									
52	340	9.24	12.96	12.67	14.63	12.91	15.47	4.06	83.76	0.56
51.95	340	9.24	12.96	12.67	14.62	12.91	15.46	4.07	83.5	0.56
51.9	Inl Struct									
51	340	7.74	12.4	13.13	14.52	11.72	15.06	3.27	103.86	0.42
50	340	7.64	12.91	13.17	14.46	11.79	15.03	3.36	101.28	0.43
49	340	7.64	13.81	13.01	14.46	11.69	15.01	3.28	103.56	0.42
48	340	7.54	12.68	12.91	14.36	11.68	14.98	3.48	97.81	0.44
47	340	7.34	12.43	12.91	14.28	11.72	14.95	3.61	94.12	0.46
46	340	7.44	12.91	12.91	14.3	11.5	14.89	3.38	100.58	0.43
45	340	7.33	12.55	12.82	14.23	11.51	14.86	3.52	96.55	0.44
44	340	7.21	12.43	11.69	14.2	11.47	14.83	3.49	97.41	0.44
43	340	7.22	12.27	11.19	14.19	11.35	14.79	3.44	98.72	0.43
42	340	7.18	12.93	12.98	14.23	11.02	14.74	3.16	107.65	0.39
41.5	Bridge									
41	340	7.09	10.45	10.6	13.46	10.83	13.97	3.23	112.32	0.41
40	340	6.95	12.84	13.12	13.46	10.56	13.94	3.1	109.73	0.4

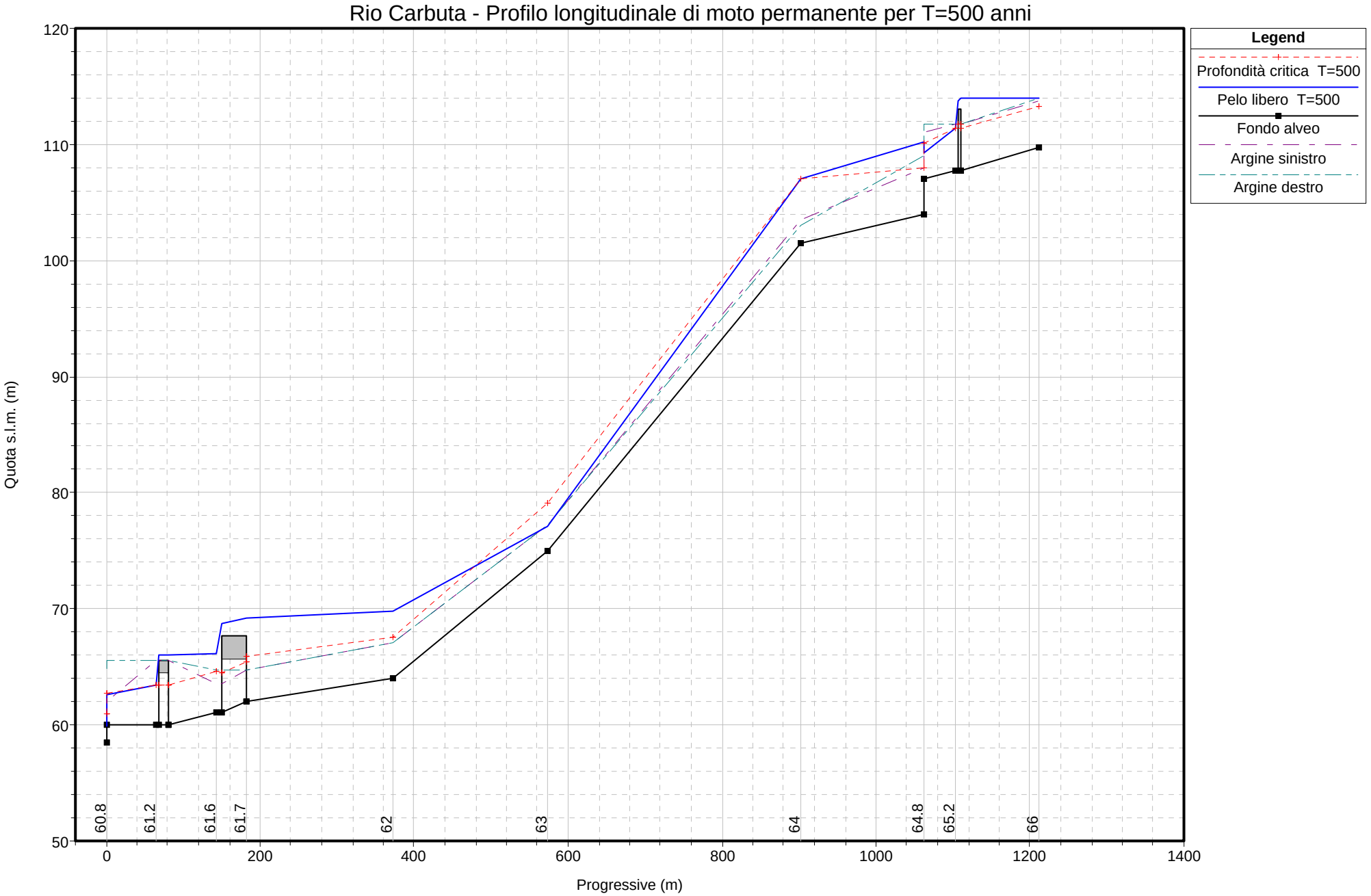
Torrente Aquila T=500 anni										
Sezioni	Portata totale (m3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m2)	Velocità (m/s)	Area bagnata (m2)	N° Froude
39	340	6.82	12.53	11.95	13.59	10.04	13.87	2.34	145.36	0.3
38.9	Inl Struct									
38	731	5.24	12.52	11.28	13.28	10.1	13.78	3.13	233.56	0.39
37	731	4.79	12.24	11.42	13.11	10.11	13.75	3.55	206.06	0.43

PROFILI DI RIGURGITO IN CONDIZIONI DI MOTO PERMANENTE PER LE PORTATE T=50, 200, 500 ANNI

CARBUTA


Rio Carbuta - Profilo longitudinale di moto permanente per T=50 anni
Legend
Profondità critica T=50
Pelo libero T=50
Fondo alveo
Argine sinistro
Argine destro
Quota s.l.m. (m)
Progressive (m)
120
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200
1400
60.8
61.2
61.6
61.7
62
63
64
64.8
65.2
66


Rio Carbuta - Profilo longitudinale di moto permanente per T=200 anni
Legend
Profondità critica T=200
Pelo libero T=200
Fondo alveo
Argine sinistro
Argine destro
Quota s.l.m. (m)
Progressive (m)
120
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200
1400
60.8
61.2
61.6
61.7
62
63
64
64.8
65.2
66


Rio Carbuta - Profilo longitudinale di moto permanente per T=500 anni
Legend
Profondità critica T=500
Pelo libero T=500
Fondo alveo
Argine sinistro
Argine destro
Quota s.l.m. (m)
Progressive (m)
120
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200
1400
60.8
61.2
61.6
61.7
62
63
64
64.8
65.2
66

GEOMETRIA DELLE SEZIONI ED ALTEZZA DEL PELO LIBERO IN CONDIZIONI DI MOTO PERMANENTE
PER LE PORTATE T=50, 200, 500 ANNI

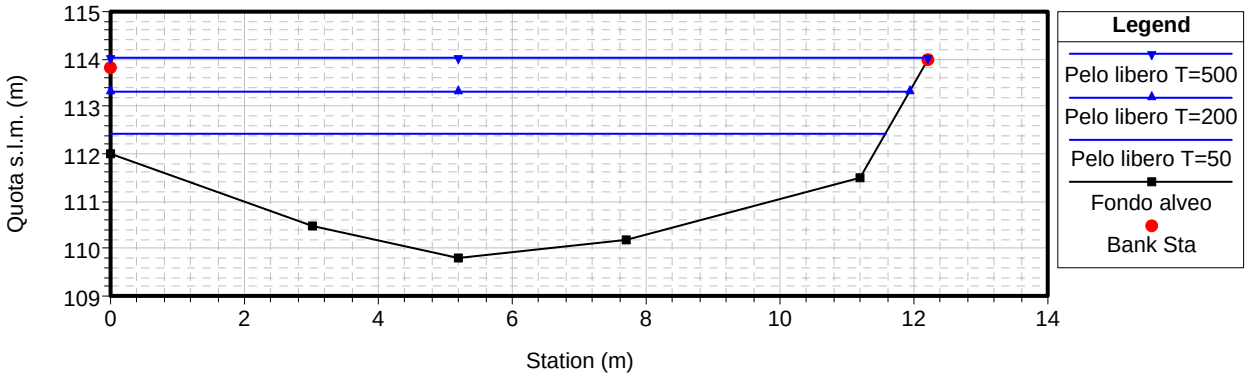
CARBUTA

da sez. 66
a sez. 60.8

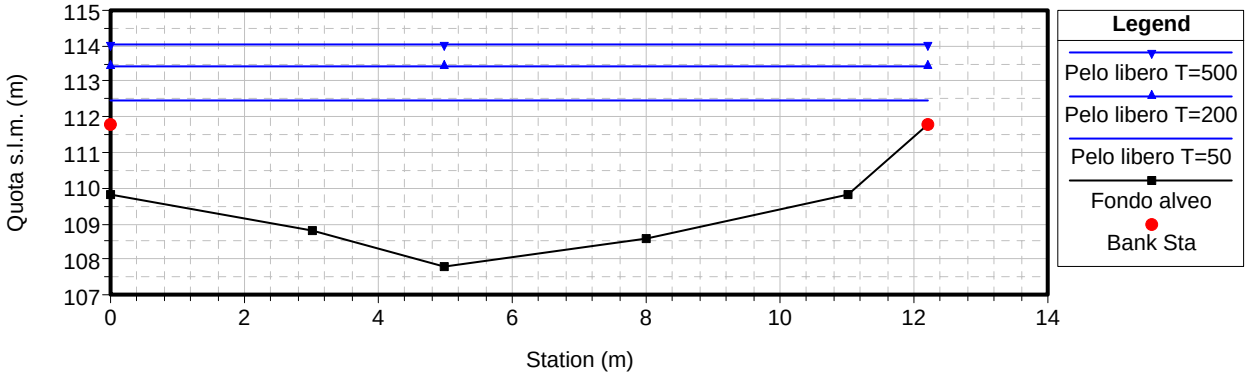
RIO CARBUTA

Sezioni trasversali

RS = 66



RS = 65.4



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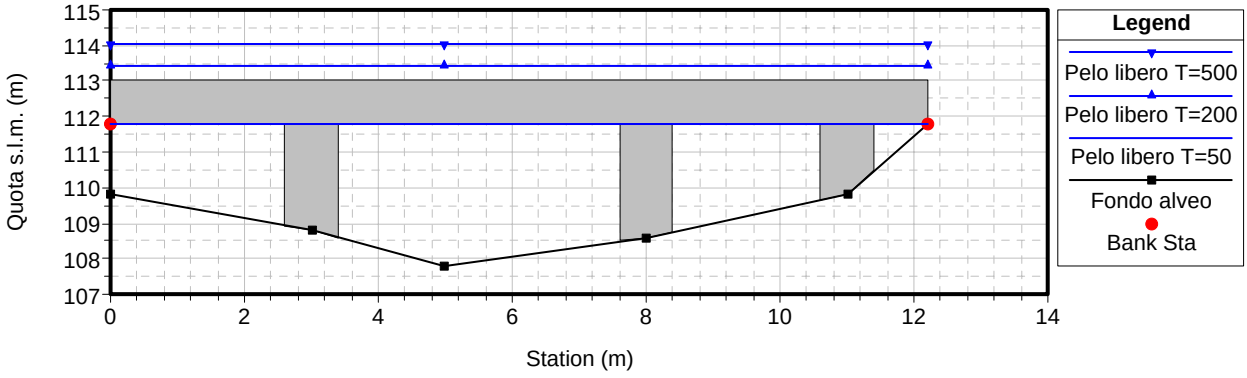

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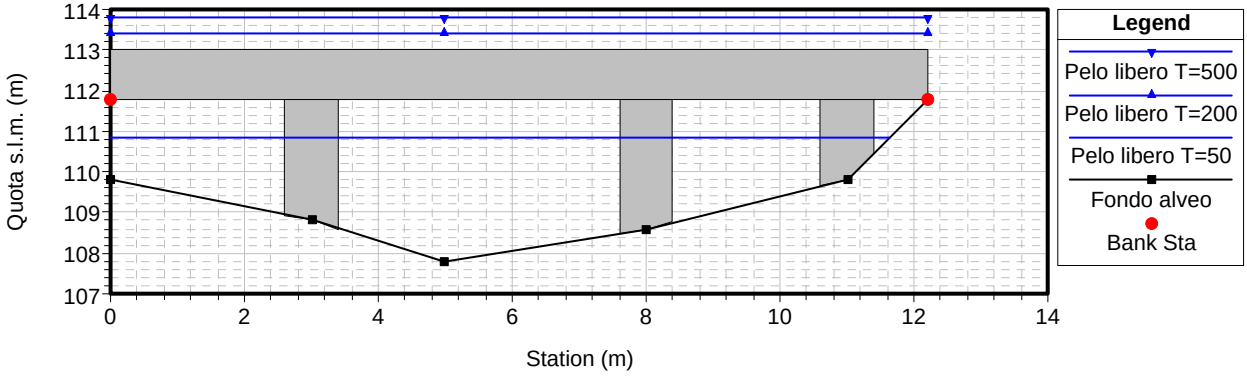

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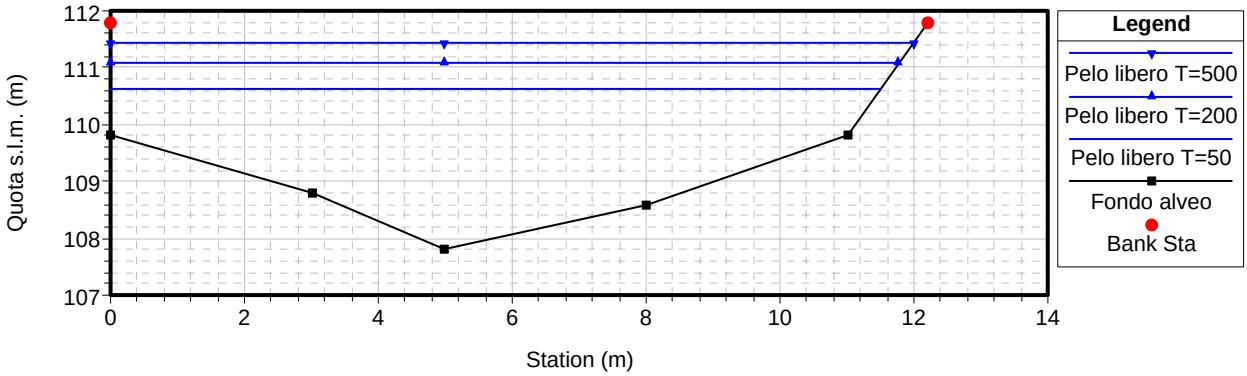
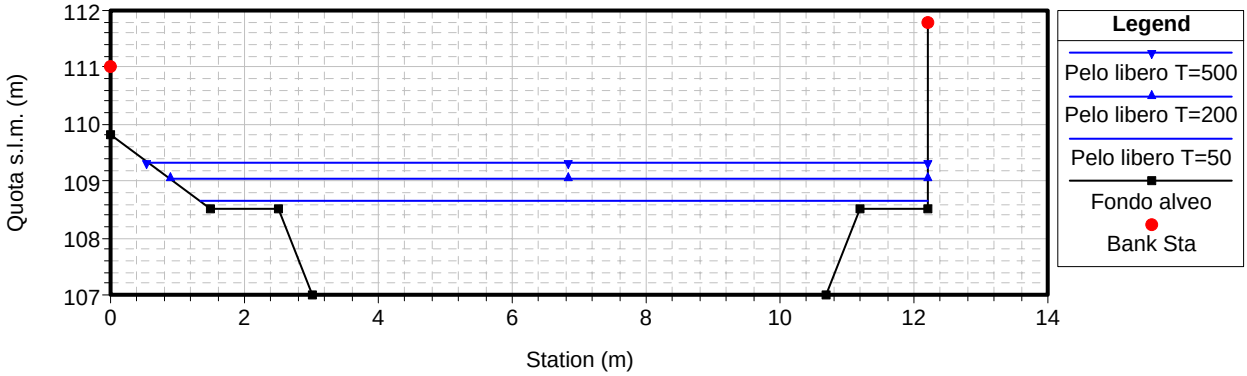


RS = 65



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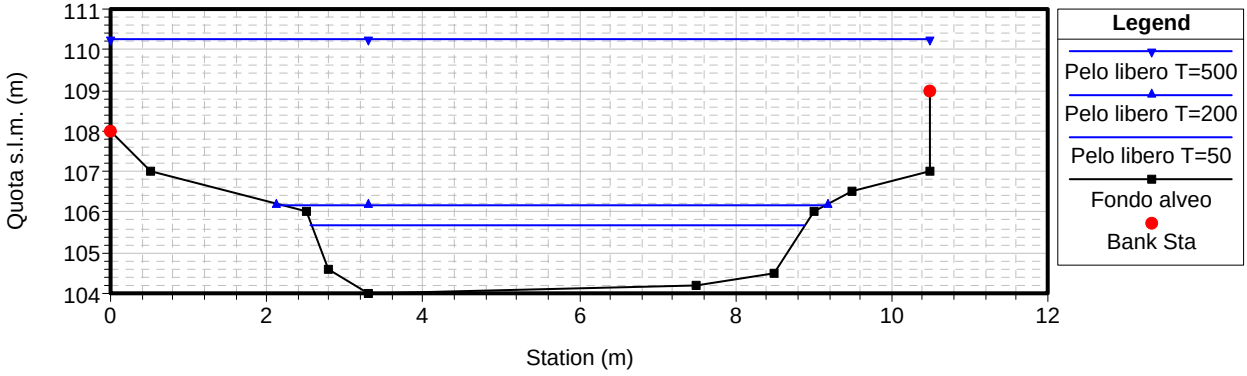

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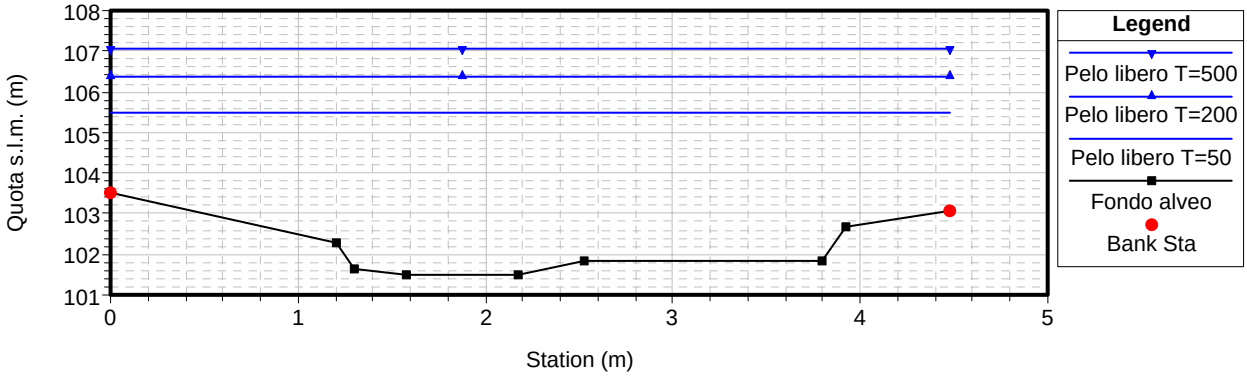
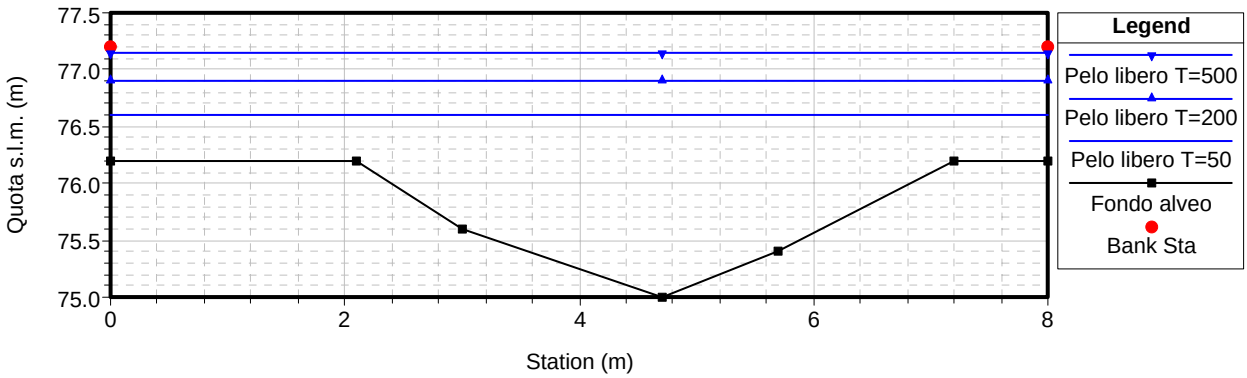
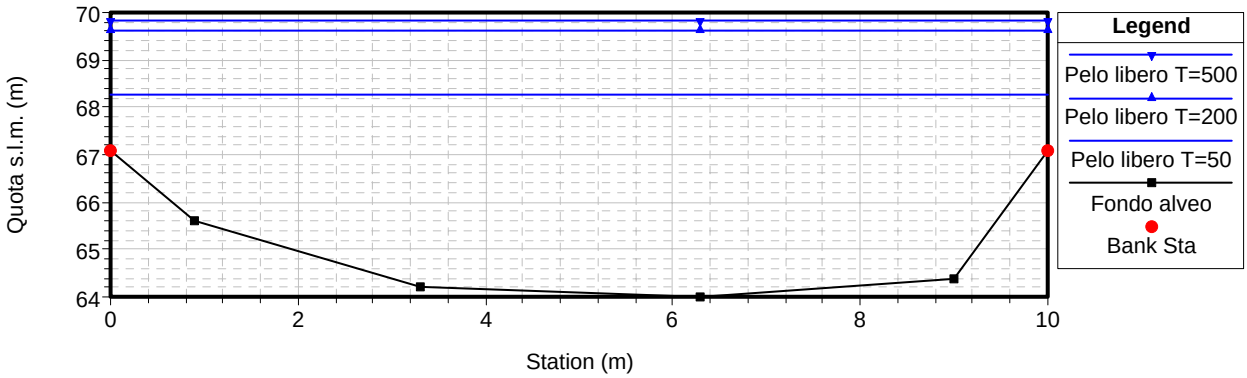


RS = 63



RS = 62



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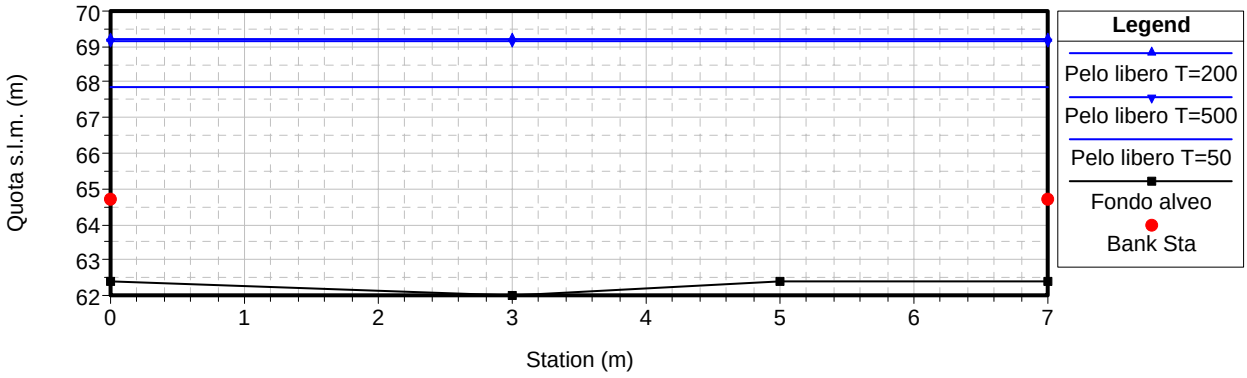
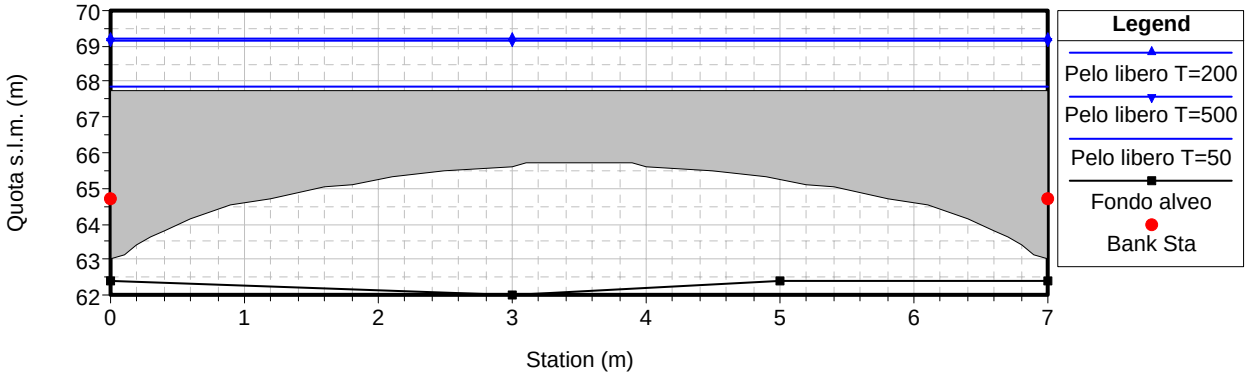
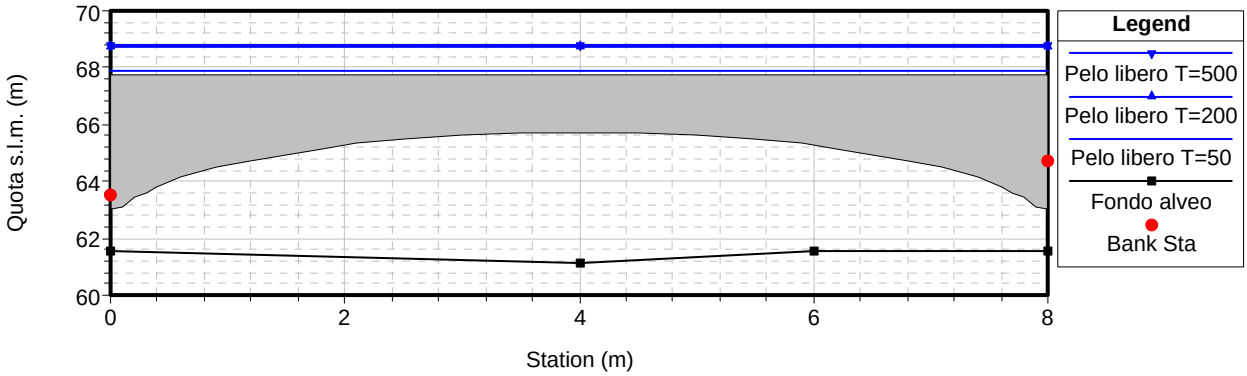


RS = 61.7 BR



RS = 61.7 BR



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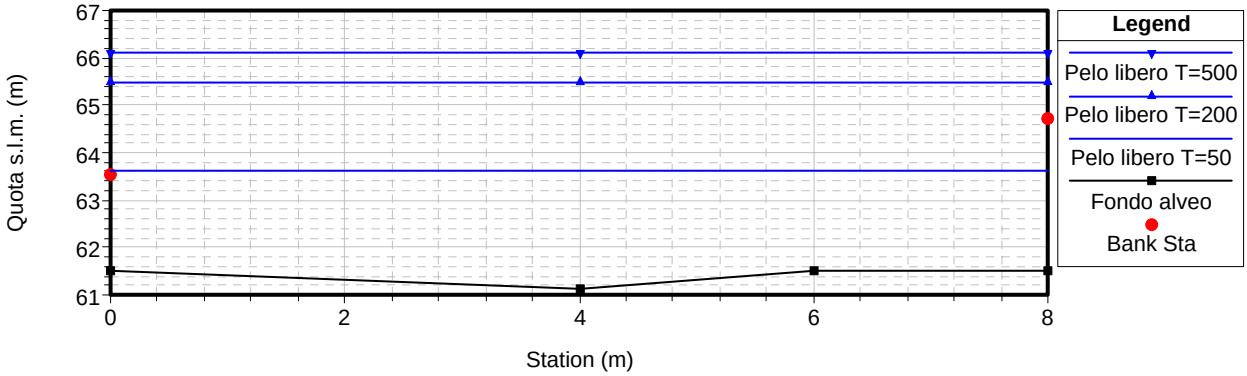

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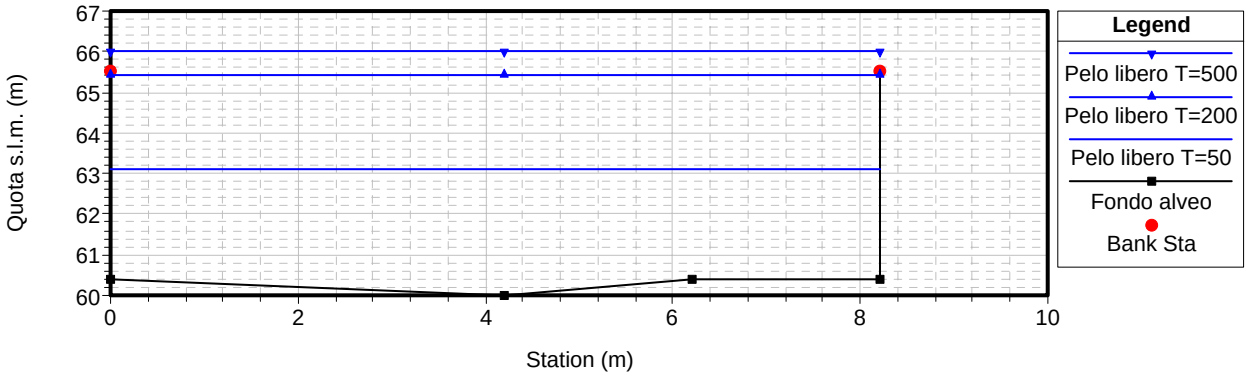

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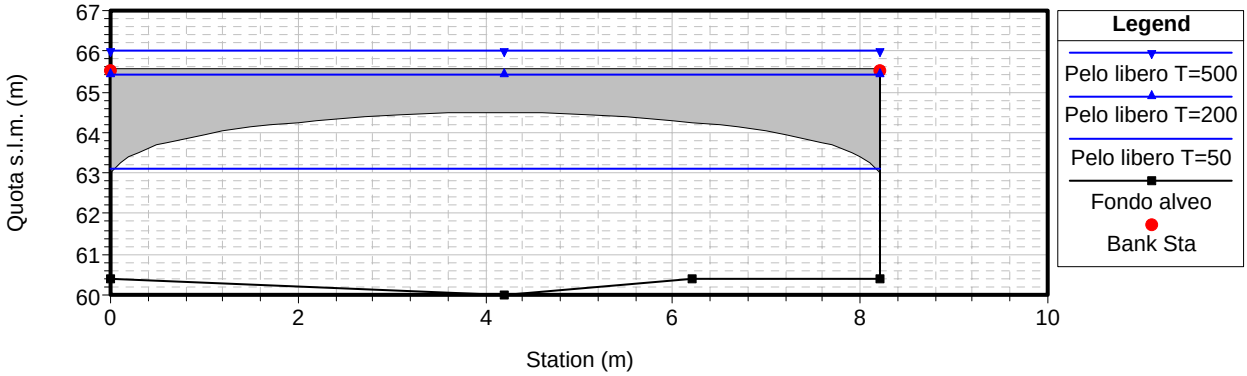

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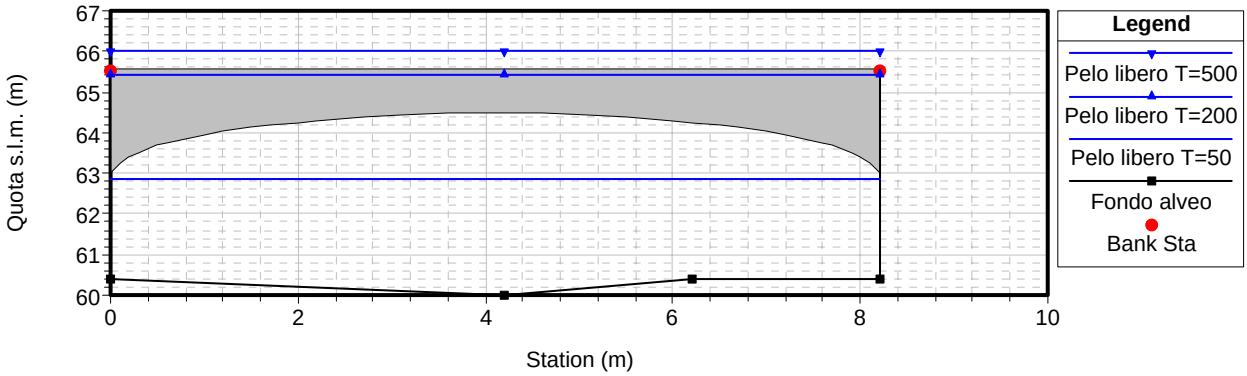
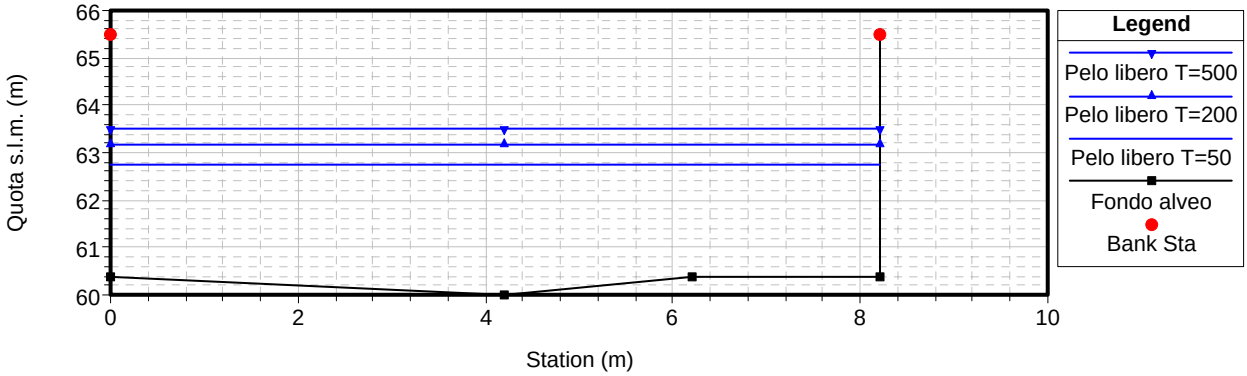


RS = 61.2



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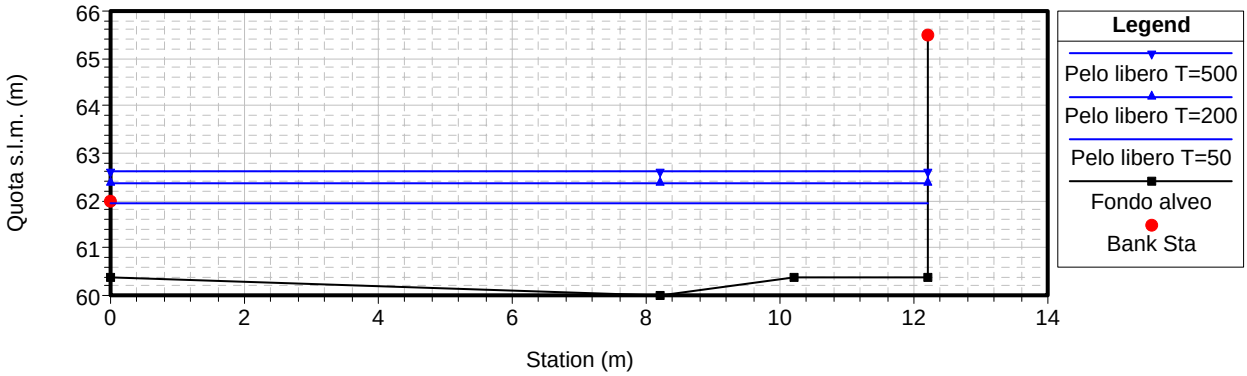

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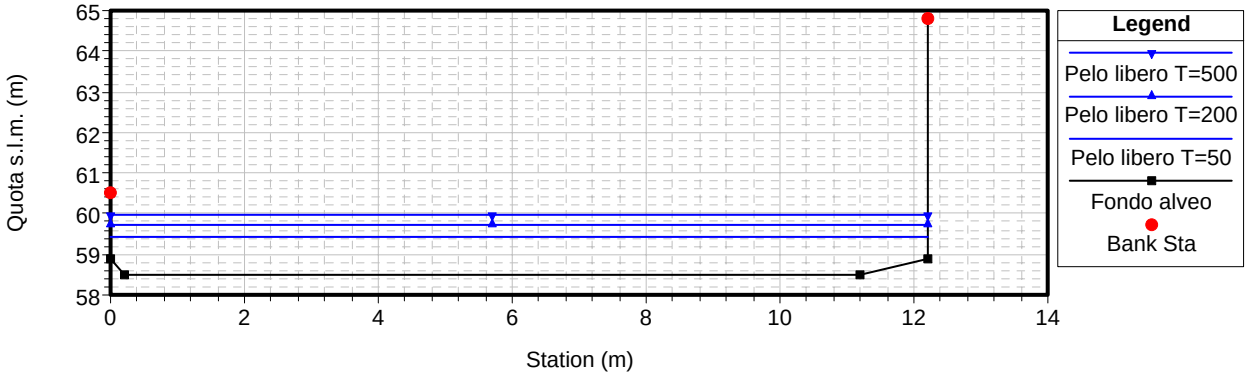

MODELLAZIONE IDRAULICA IN CONDIZIONI DI MOTO PERMANENTE:
TABELLE DELLE GRANDEZZE IDRAULICHE SIGNIFICATIVE PER LE PORTATE T=50, 200, 500 ANNI

CARBUTA

Rio Carbuta T=50 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
66	85	109.8	113.8	114	112.43	112.43	113.32	4.17	20.38	1
65.4	85	107.8	111.8	111.8	112.46	110.62	112.67	2	42.41	0.34
65.3	Bridge									
65.2	85	107.8	111.8	111.8	110.62	110.62	111.51	4.18	20.32	1
65	85	107	111	111.8	108.64	109.23	110.56	6.14	13.84	1.74
64.8	85	104	108	109	105.67	107.02	110.26	9.5	8.95	2.55
64	85	101.5	103.5	103.05	105.51	105.51	107.17	5.71	14.88	1
63	85	75	77.2	77.2	76.6	78.03	85.12	12.94	6.57	4.56
62	85	64	67.1	67.1	68.26	66.58	68.55	2.38	35.7	0.4
61.8	85	62.02	64.72	64.72	67.88	64.74	68.12	2.17	39.24	0.29
61.7	Bridge									
61.6	85	61.12	63.52	64.72	63.62	63.62	64.76	4.71	18.03	1
61.4	85	60	65.5	65.5	63.13	62.47	63.79	3.6	23.62	0.68
61.3	Bridge									
61.2	85	60	65.5	65.5	62.73	62.47	63.62	4.17	20.36	0.85
61	85	60	62	65.5	61.93	61.93	62.79	4.1	20.71	1.01
60.8	85	58.5	60.5	64.8	59.41	60.22	62.55	7.85	10.83	2.66

Rio Carbuta T=200 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
66	120	109.8	113.8	114	113.33	112.9	114.1	3.88	30.89	0.77
65.4	120	107.8	111.8	111.8	113.4	111.09	113.65	2.23	53.82	0.34
65.3	Bridge									
65.2	120	107.8	111.8	111.8	111.09	111.09	112.19	4.65	25.79	1
65	120	107	111	111.8	109.03	109.71	111.27	6.64	18.08	1.68
64.8	120	104	108	109	106.19	107.54	110.99	9.7	12.37	2.34
64	120	101.5	103.5	103.05	106.37	106.37	108.46	6.4	18.74	1
63	120	75	77.2	77.2	76.9	78.61	85.94	13.32	9.01	4.01
62	120	64	67.1	67.1	69.62	67.12	69.93	2.43	49.38	0.35
61.8	120	62.02	64.72	64.72	69.21	65.38	69.52	2.47	48.51	0.3
61.7	Bridge									
61.6	120	61.12	63.52	64.72	65.49	64.2	66.17	3.64	32.99	0.57
61.4	120	60	65.5	65.5	65.42	63.04	65.82	2.83	42.37	0.4
61.3	Bridge									
61.2	120	60	65.5	65.5	63.15	63.04	64.45	5.04	23.79	0.95
61	120	60	62	65.5	62.37	62.37	63.45	4.6	26.11	1
60.8	120	58.5	60.5	64.8	59.71	60.66	63.19	8.27	14.51	2.42

Torrente Pora - Rio Carbuta T=500 anni										
Sezioni	Portata totale (m^3/s)	Fondo alveo (m)	Argine sinistro (m)	Argine destro (m)	Pelo libero (m)	Profondità critica (m)	Energia (m^2)	Velocità (m/s)	Area bagnata (m^2)	N° Froude
66	150	109.8	113.8	114	114.02	113.25	114.76	3.83	39.18	0.68
65.4	150	107.8	111.8	111.8	114.04	111.45	114.35	2.43	61.68	0.35
65.3	Bridge									
65.2	150	107.8	111.8	111.8	111.45	111.45	112.72	4.98	30.11	1
65	150	107	111	111.8	109.32	110.06	111.8	6.98	21.49	1.64
64.8	150	104	108	109	110.27	107.94	110.68	2.81	53.3	0.4
64	150	101.5	103.5	103.05	107.04	107.04	109.47	6.9	21.75	1
63	150	75	77.2	77.2	77.15	79.06	86.57	13.59	11.03	3.69
62	150	64	67.1	67.1	69.83	67.52	70.27	2.91	51.47	0.41
61.8	150	62.02	64.72	64.72	69.17	65.88	69.66	3.11	48.22	0.38
61.7	Bridge									
61.6	150	61.12	63.52	64.72	66.11	64.66	66.91	3.95	37.93	0.58
61.4	150	60	65.5	65.5	66.01	63.49	66.52	3.18	47.22	0.42
61.3	Bridge									
61.2	150	60	65.5	65.5	63.49	63.49	65.11	5.64	26.58	1
61	150	60	62	65.5	62.62	62.72	63.97	5.15	29.13	1.06
60.8	150	58.5	60.5	64.8	59.95	61	63.72	8.6	17.44	2.3