COMUNE DI PALAU

PROVINCIA DI OLBIA-TEMPIO

INTERVENTI PER IL SUPERAMENTO DELLE PROBLEMATICHE IDRAULICHE DEI CANALI COPERTI" LISCIA CULUMBA" (CODICE PGRA SS G258 002 A) E PALAU EST" (CODICE PGRA SS G258 001)

INTERVENTI RELATIVI A "PALAU EST" - CANALE LICCIA (CODICE PGRA SS G258 001)

PROGETTO DI FATTIBILITA' TECNICO-ECONOMICA

ELABORATO : **SIMULAZIONI IN MOTO PERMANENTE**

REVISIONI				ALLEGATO	SCALA	
n°	MODIFICA	DATA	CTRL	B.1	CODICE	
01	consegna	Dic. 2023			NOTE	

Il Progettista:
Dott. Ing. Fabio Cambula

Il Responsabile del Procedimento:
Dott. Giovanni Tiveddu

COMUNE DI PALAU (SS)

RISANAMENTO IDROGEOLOGICO AMBITO "CANALE LICCIA" – PALAU EST

E "CANALE BARAGGE" – VECCHIO MARINO

Area di indagine: **CANALE BARAGGE – CANALE LICCIA**

SIMULAZIONI IN MOTO PERMANENTE

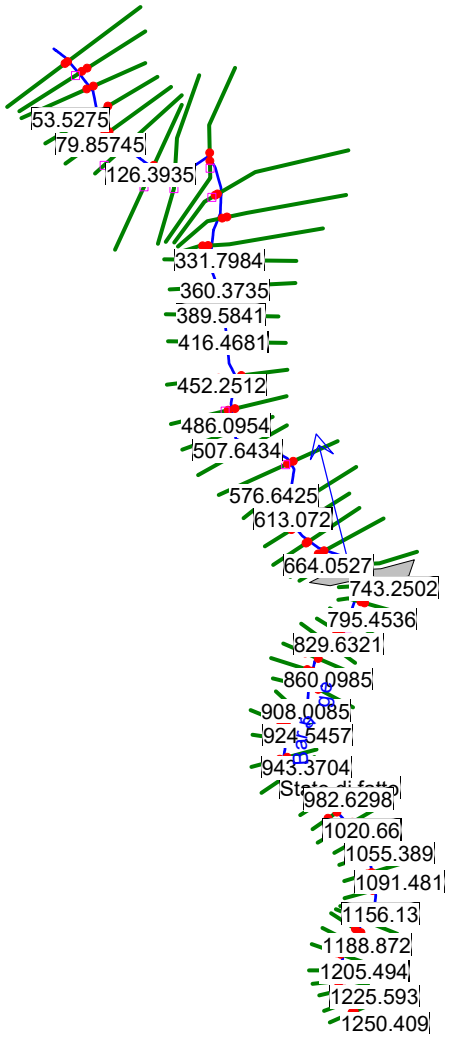
CANALE BARAGGE

ANTE OPERAM

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per tempi di ritorno 50, 100, 200 e 500 anni;

		PORTATE mc/s				
River	Reach	RS	tr 50	tr 100	tr 200	tr 500
Barrage	Stato di fatto	1250.409	2.334	2.716	3.113	3.687
Barrage	Stato di fatto	720.3209	3.103	3.647	4.211	5.017
Barrage	Stato di fatto	317.2121	3.818	4.463	5.131	6.087
Barrage	Stato di fatto	185.4932	4.145	4.857	5.592	6.635

			condizioni al contorno	
River	Reach	PROFILI	upstream	downstream
Barrage	Stato di fatto	all	Crtical Depth	Known WS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331.7984
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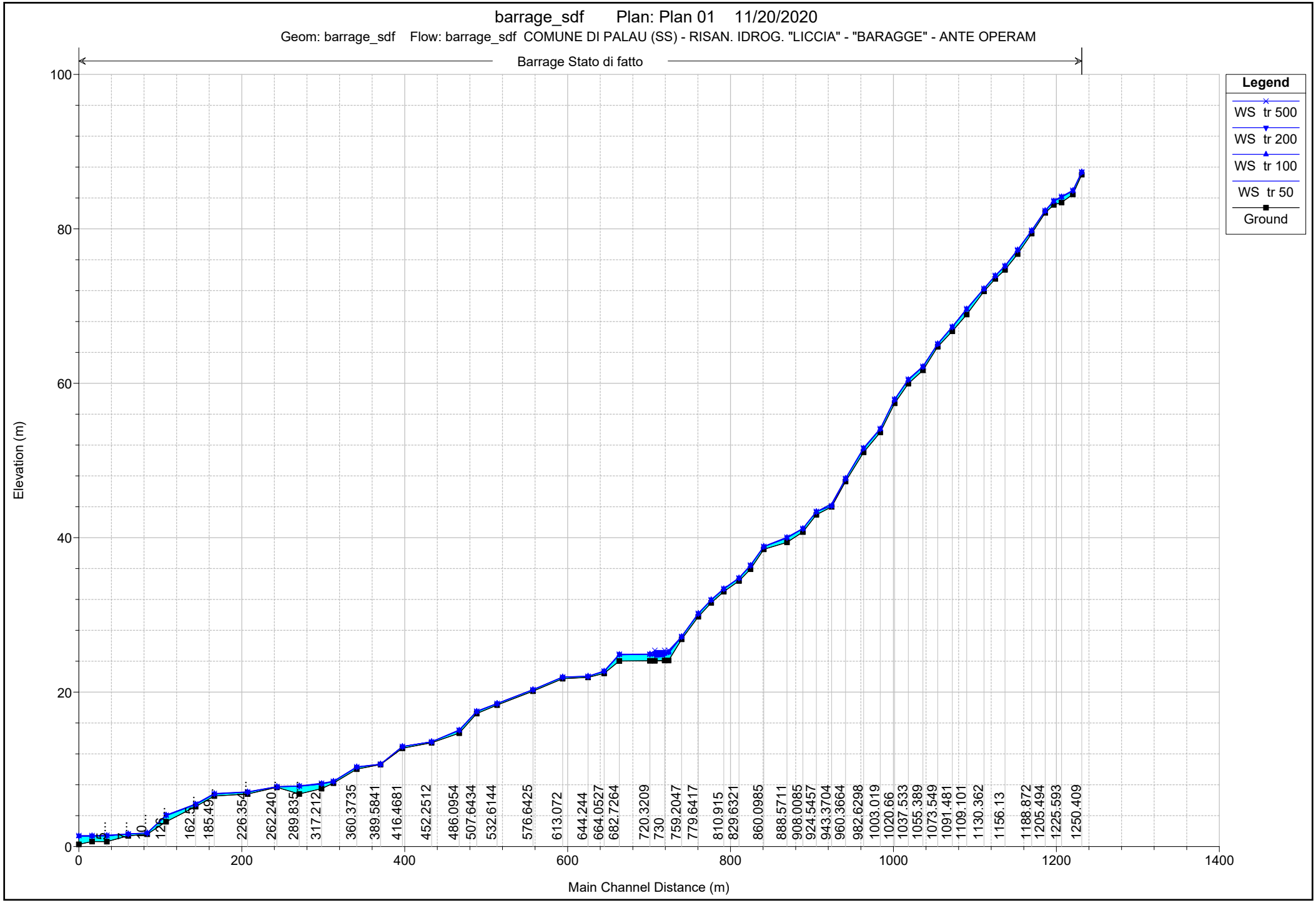
416.4681
452.2512
486.0954
507.6434
576.6425
613.072
664.0527
743.2502
795.4536
829.6321
860.0985
908.0085
924.5457
943.3704
982.6298
1020.66
1055.389
1091.481
1156.13
1188.872
1205.494
1225.593
1250.409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Barrage Stato di fatto
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Elevation (m)
Main Channel Distance (m)
0
20
40
60
80
100
0
200
400
600
800
1000
1200
1400
162.5...
185.49
226.354...
262.240
289.835
317.212
360.3735
389.5841
416.4681
452.2512
486.0954
507.6434
532.6144
576.6425
613.072
644.244
664.0527
682.7264
720.3209
730
759.2047
779.6417
810.915
829.6321
860.0985
888.5711
908.0085
924.5457
943.3704
960.3664
982.6298
1003.019
1020.66
1037.533
1055.389
1073.549
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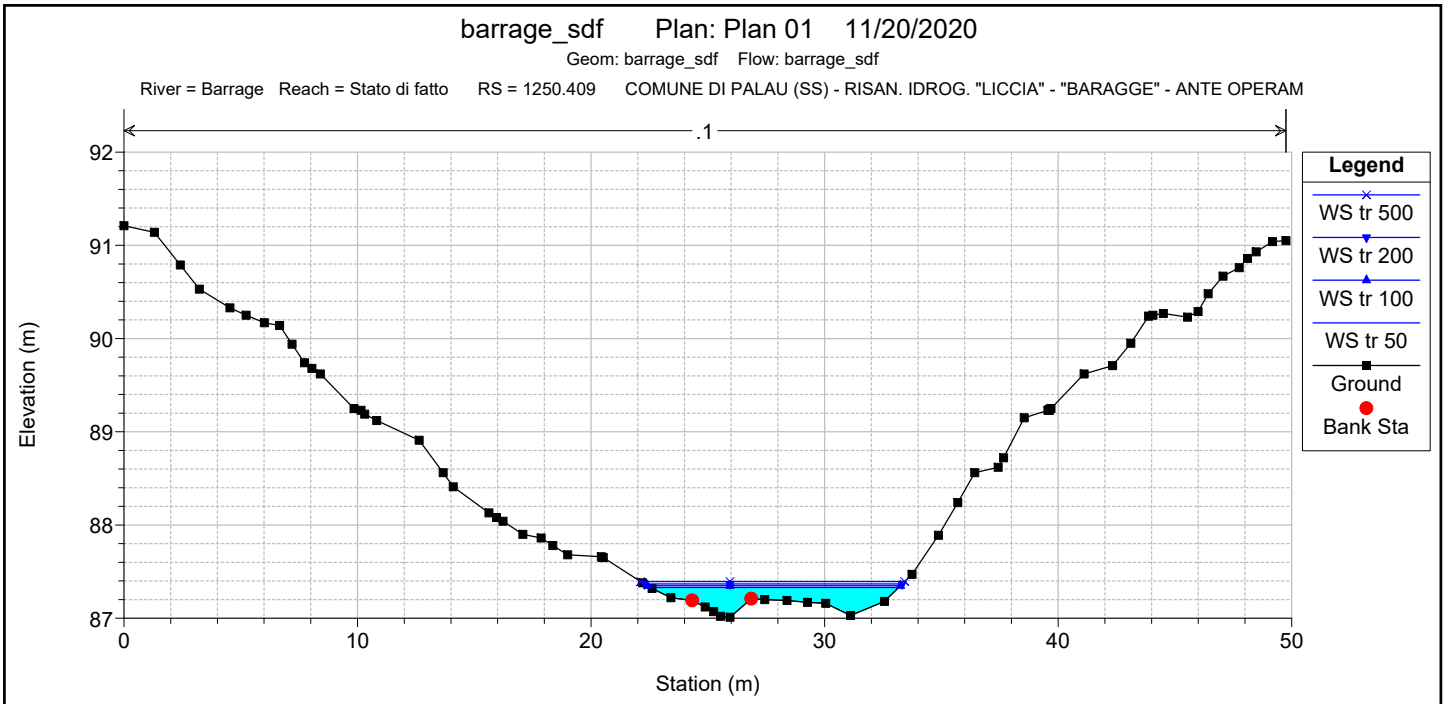
1109.101
1130.362
1156.13
1188.872
1205.494
1225.593
1250.409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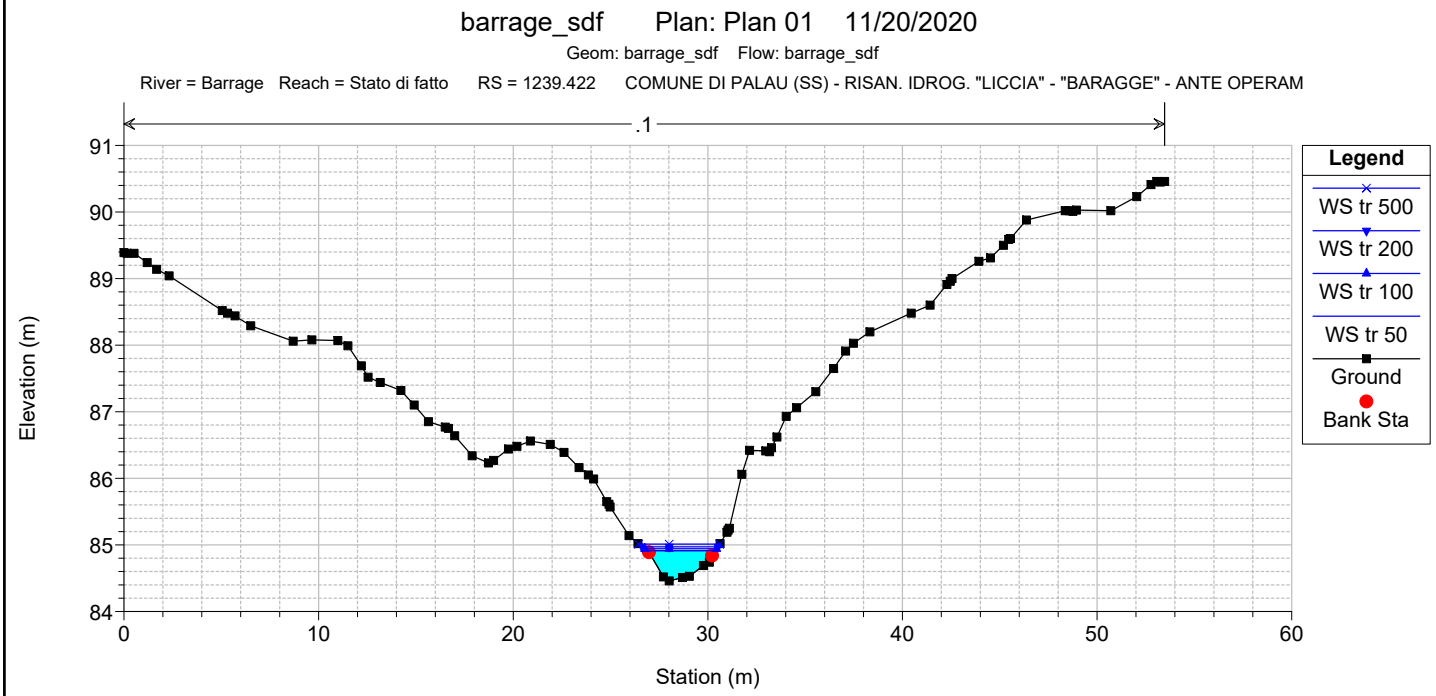
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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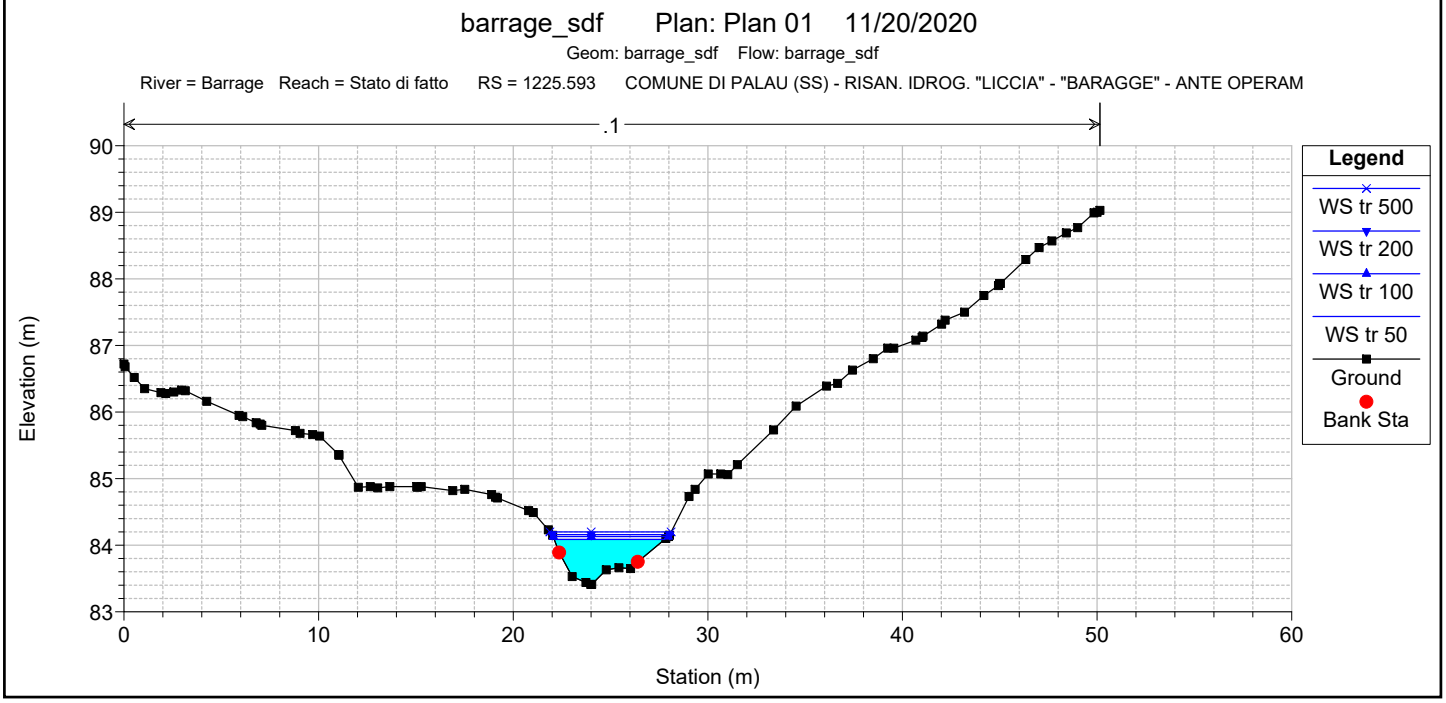
River = Barrage Reach = Stato di fatto RS = 1239.422 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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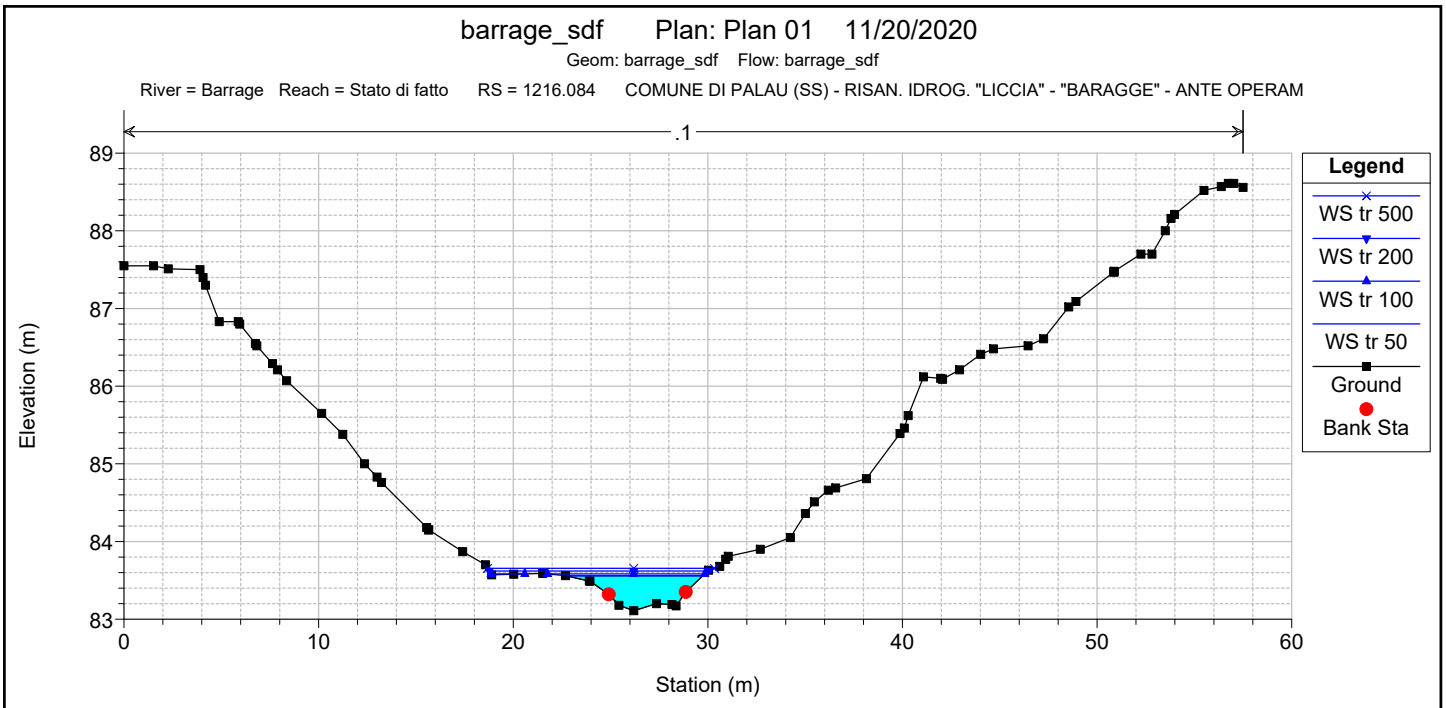
River = Barrage Reach = Stato di fatto RS = 1225.593 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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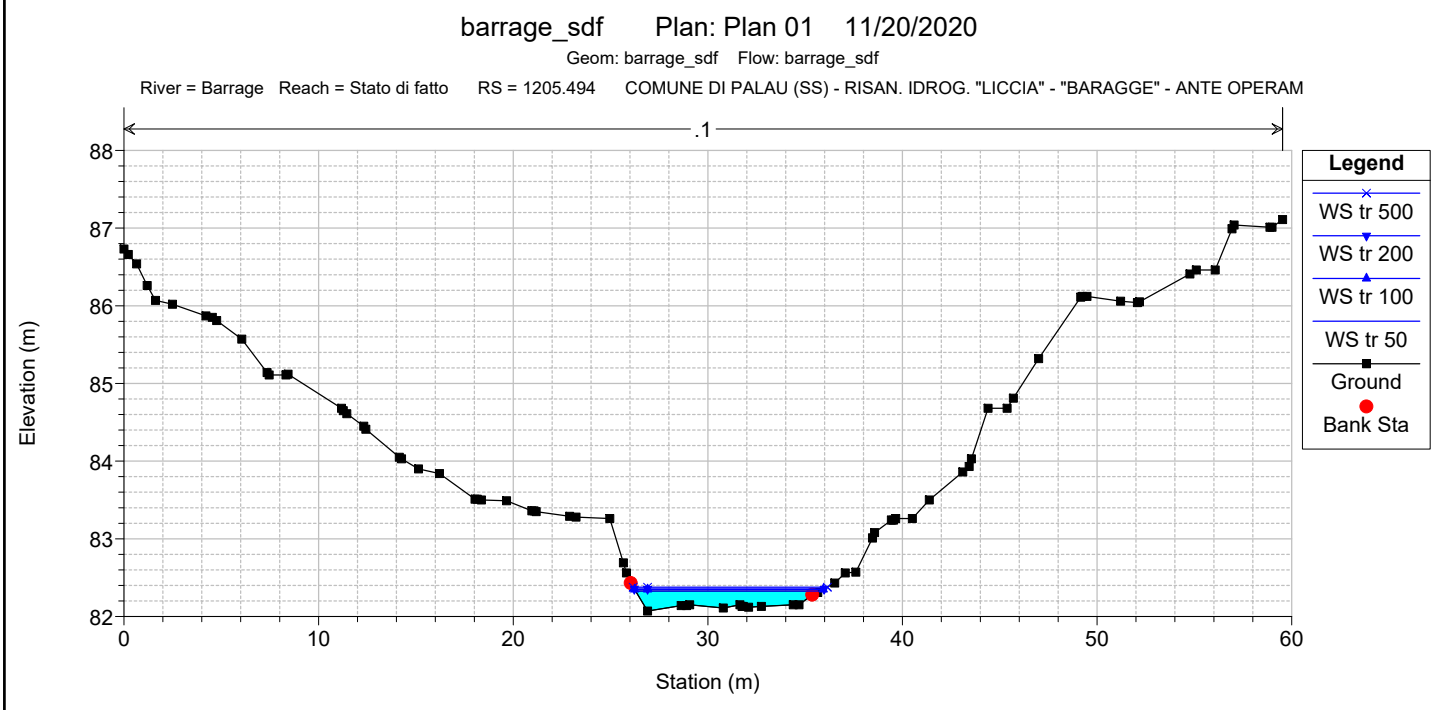
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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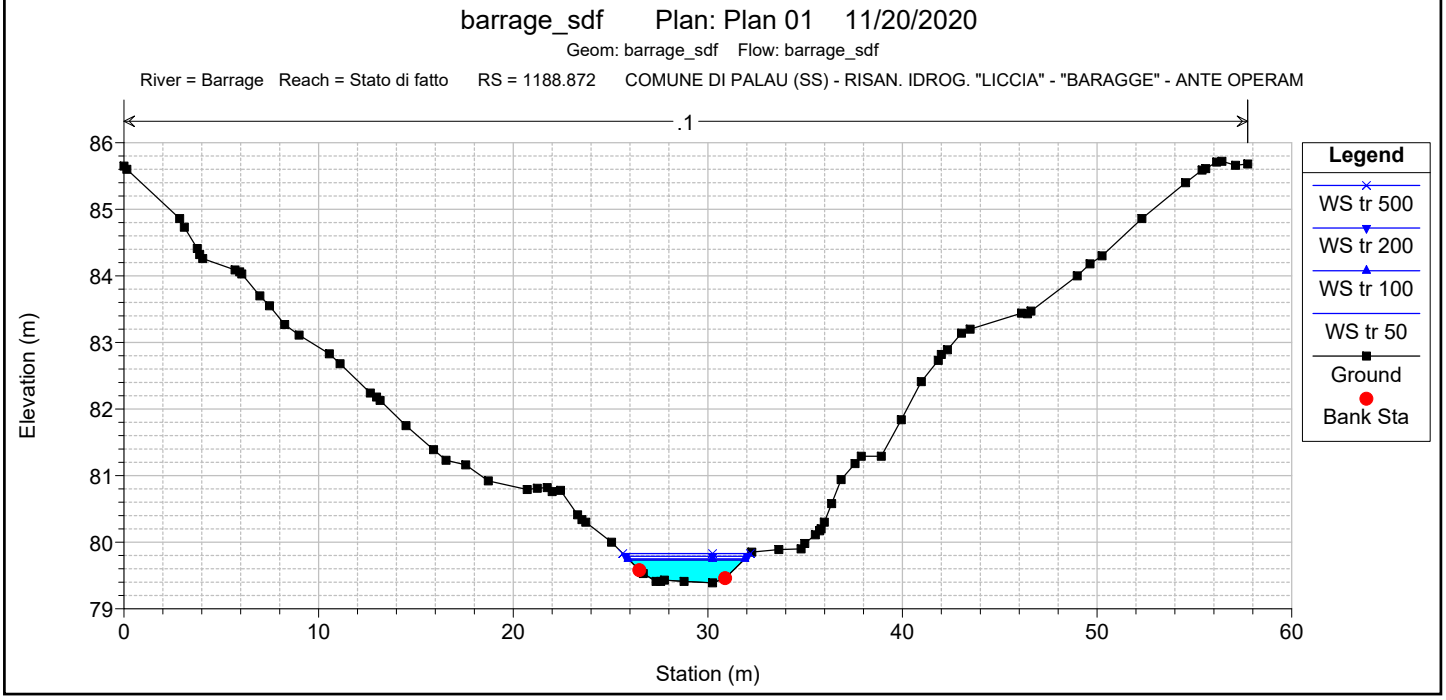
River = Barrage Reach = Stato di fatto RS = 1205.494 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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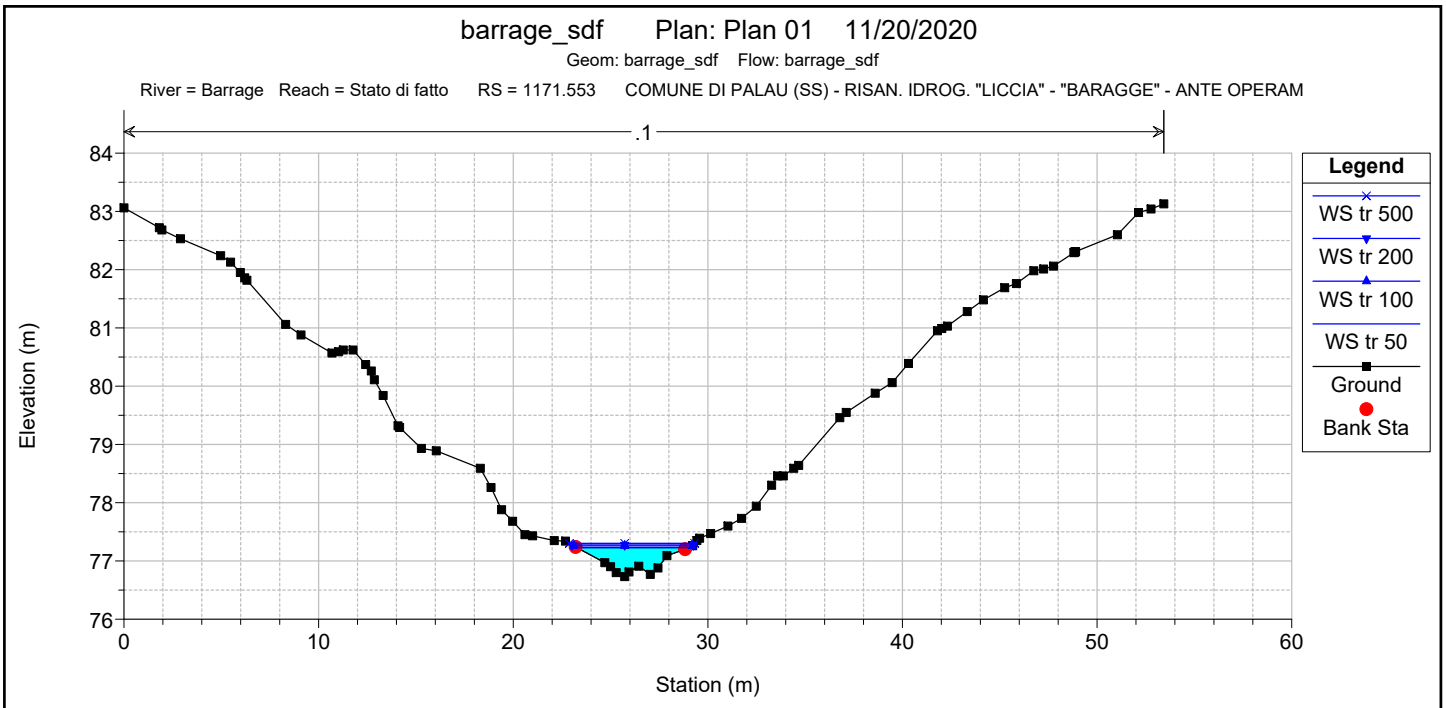
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1188.872 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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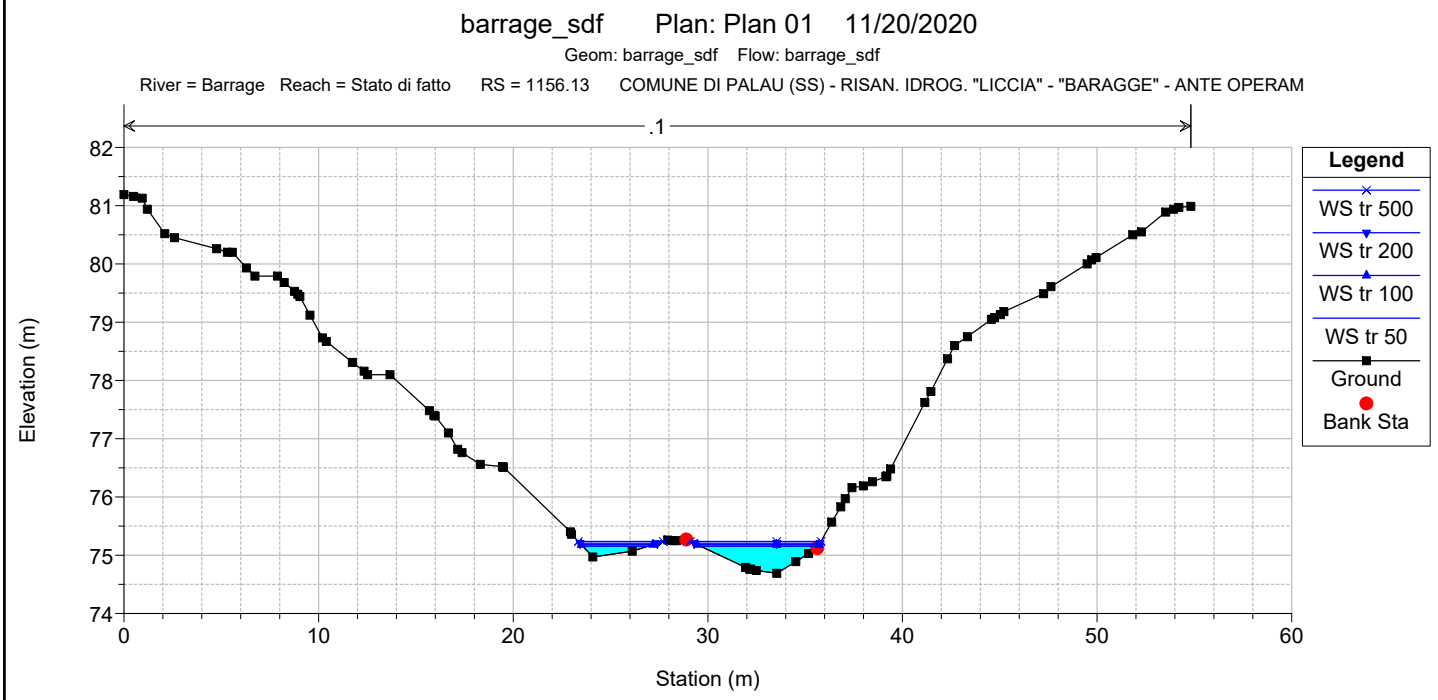
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1171.553 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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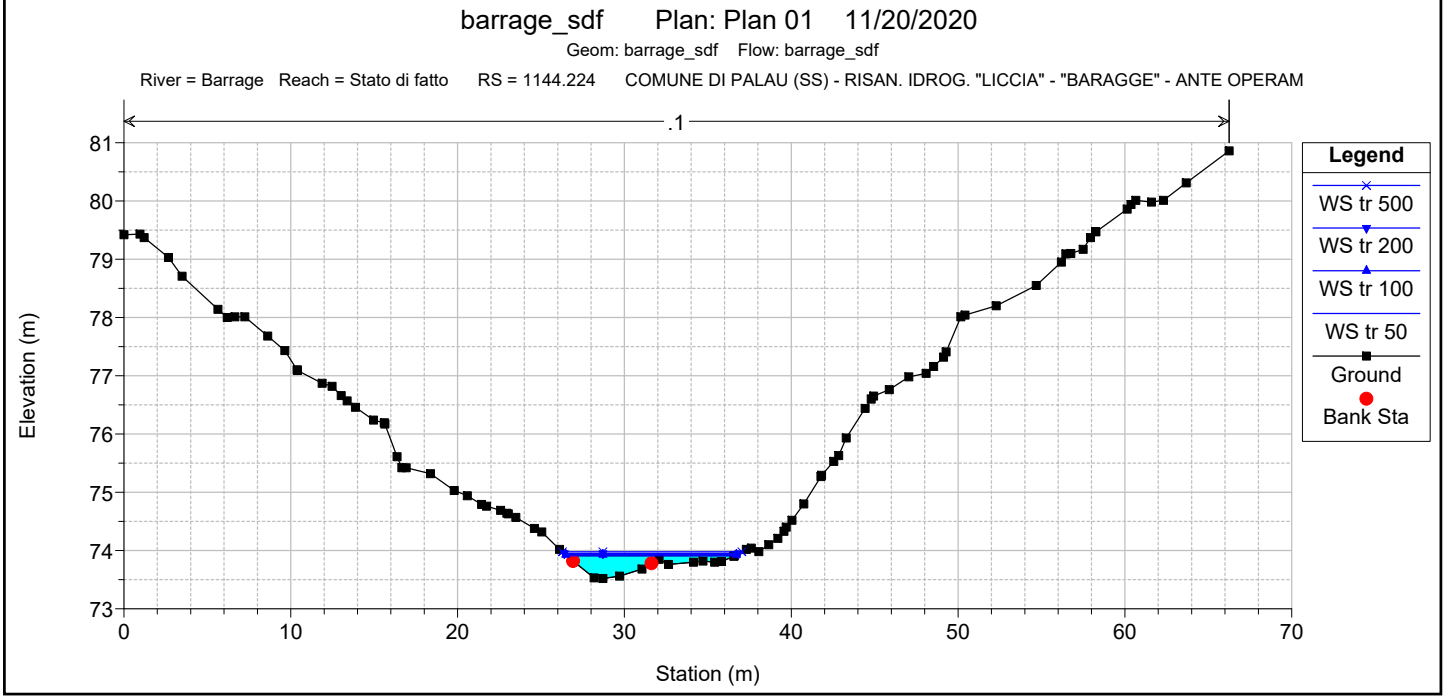
River = Barrage Reach = Stato di fatto RS = 1156.13 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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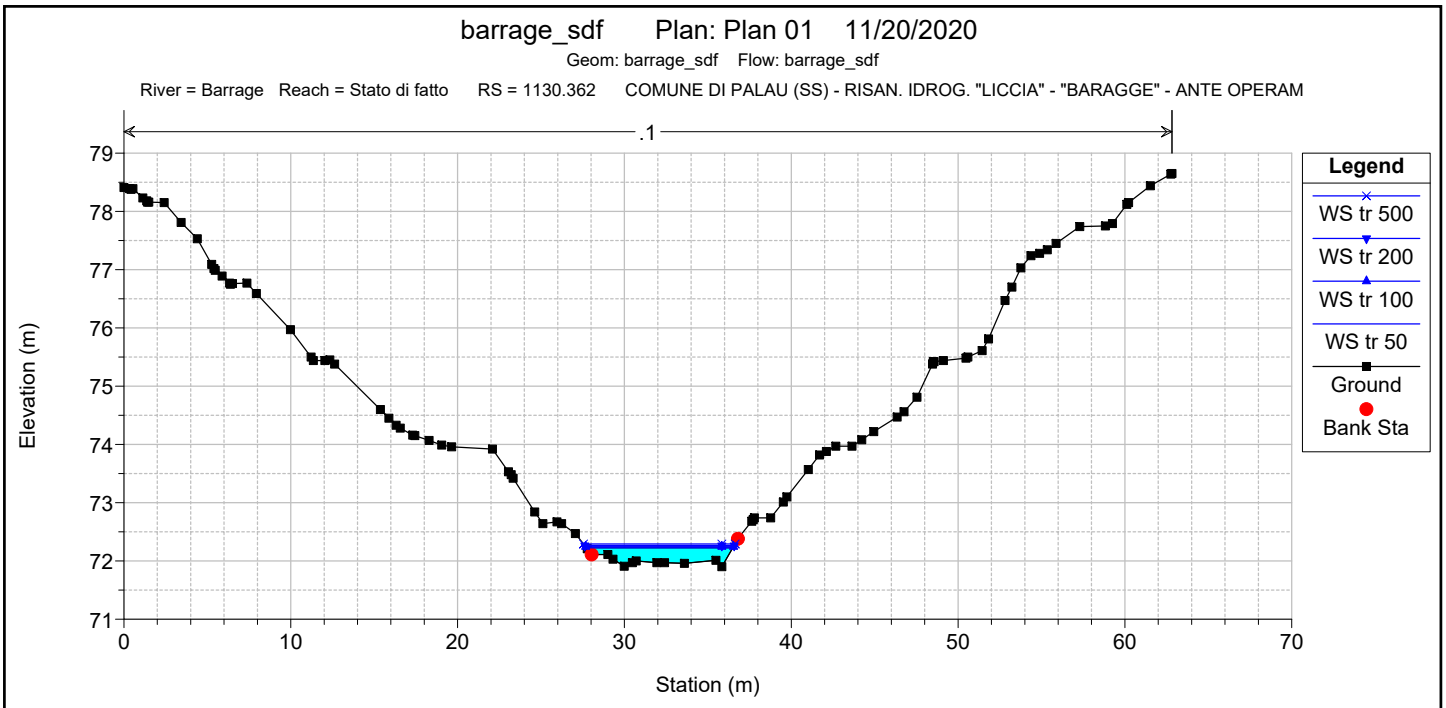
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1144.224 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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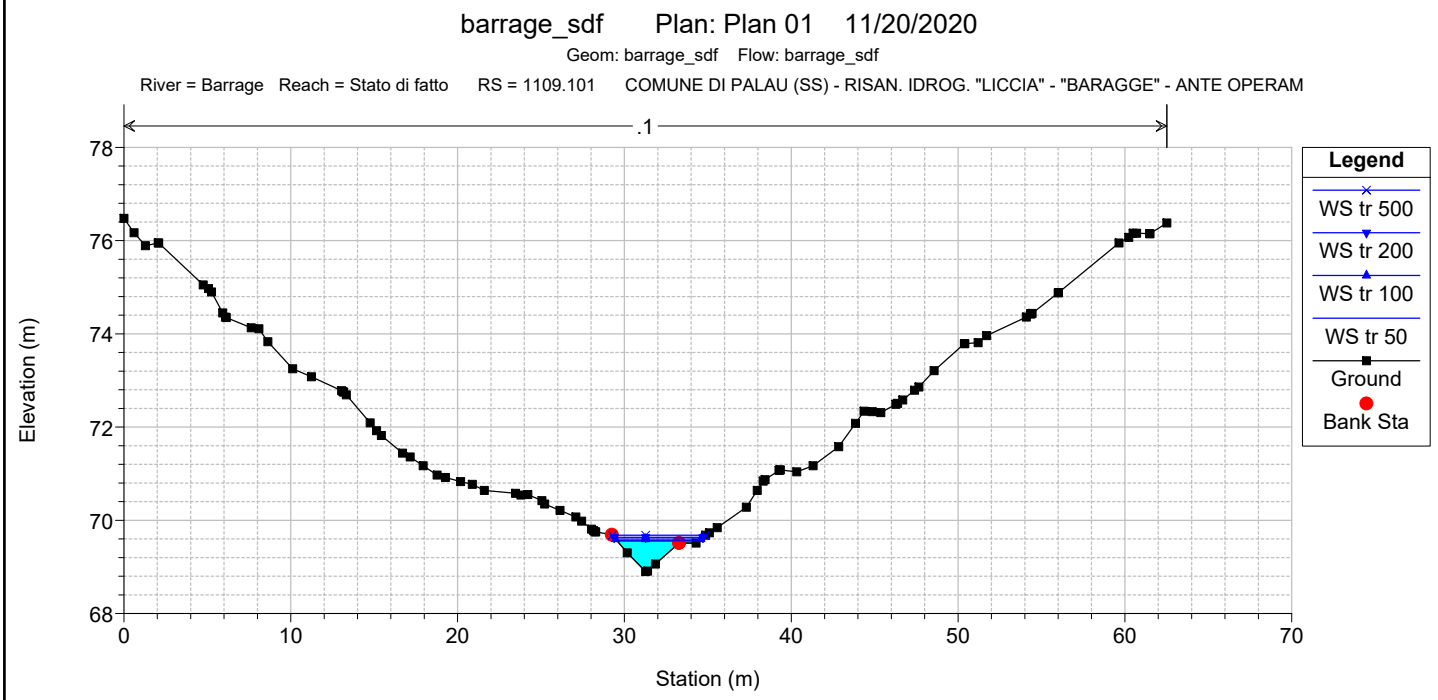
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1130.362 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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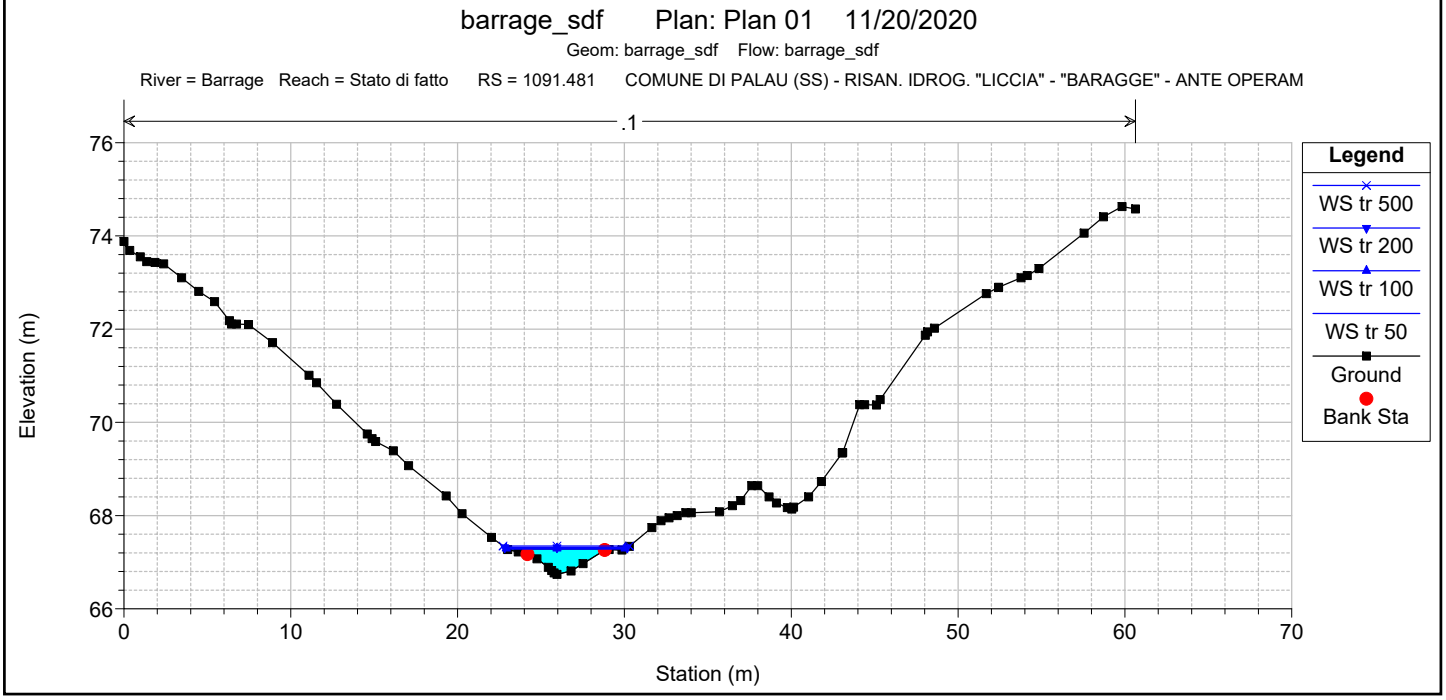
River = Barrage Reach = Stato di fatto RS = 1109.101 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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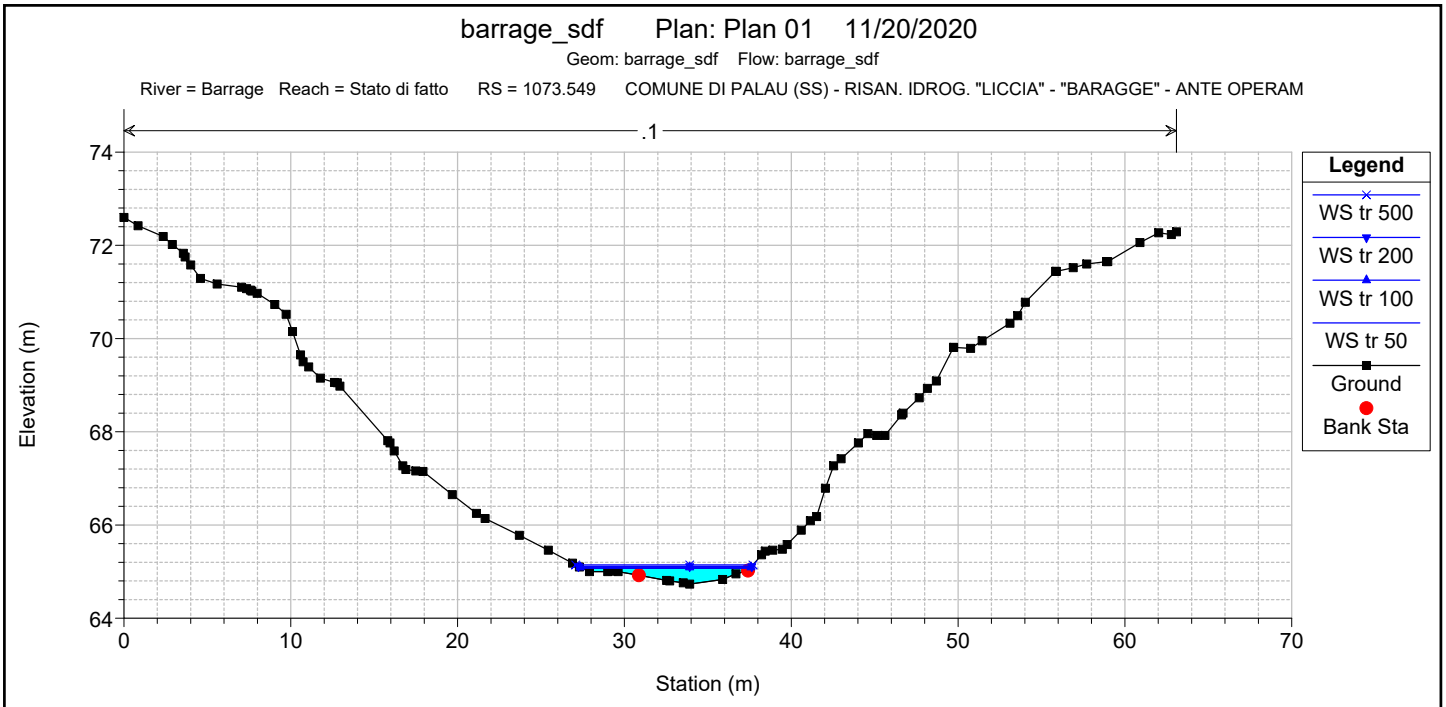
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1091.481 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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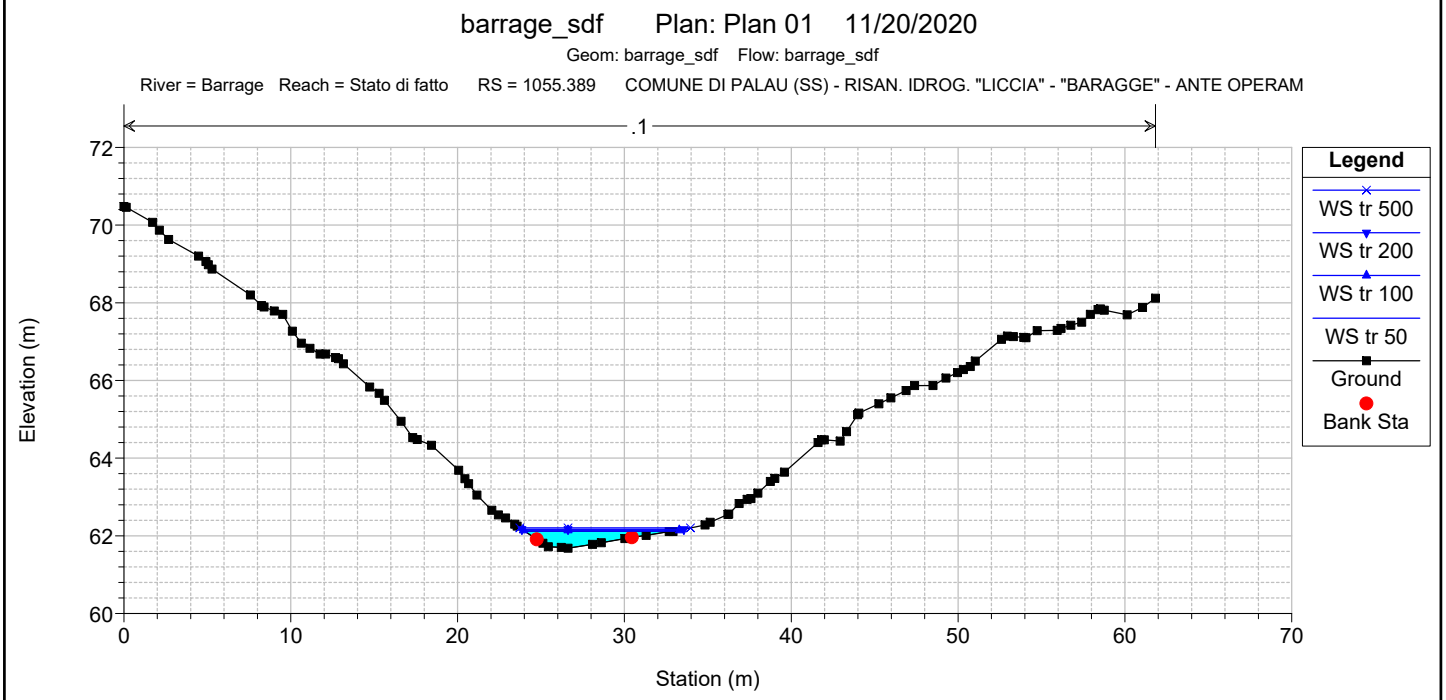
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1073.549 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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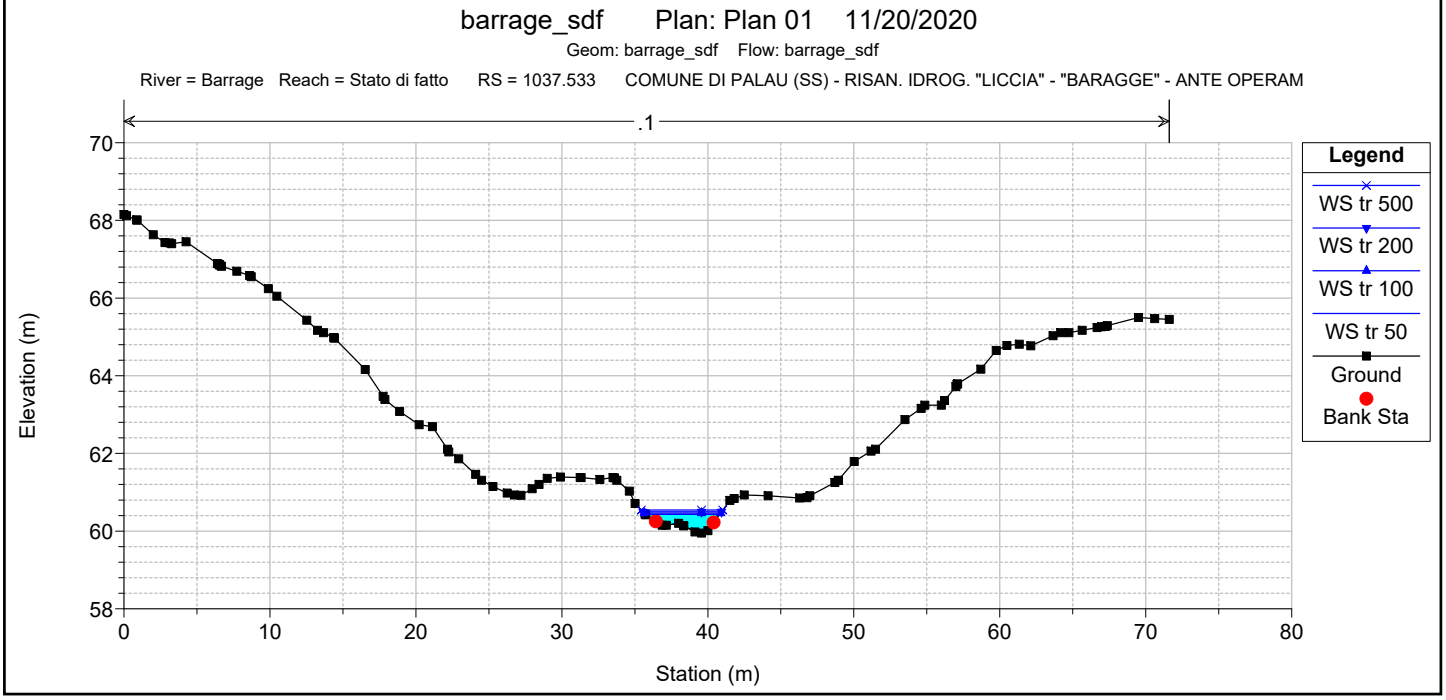
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 1055.389 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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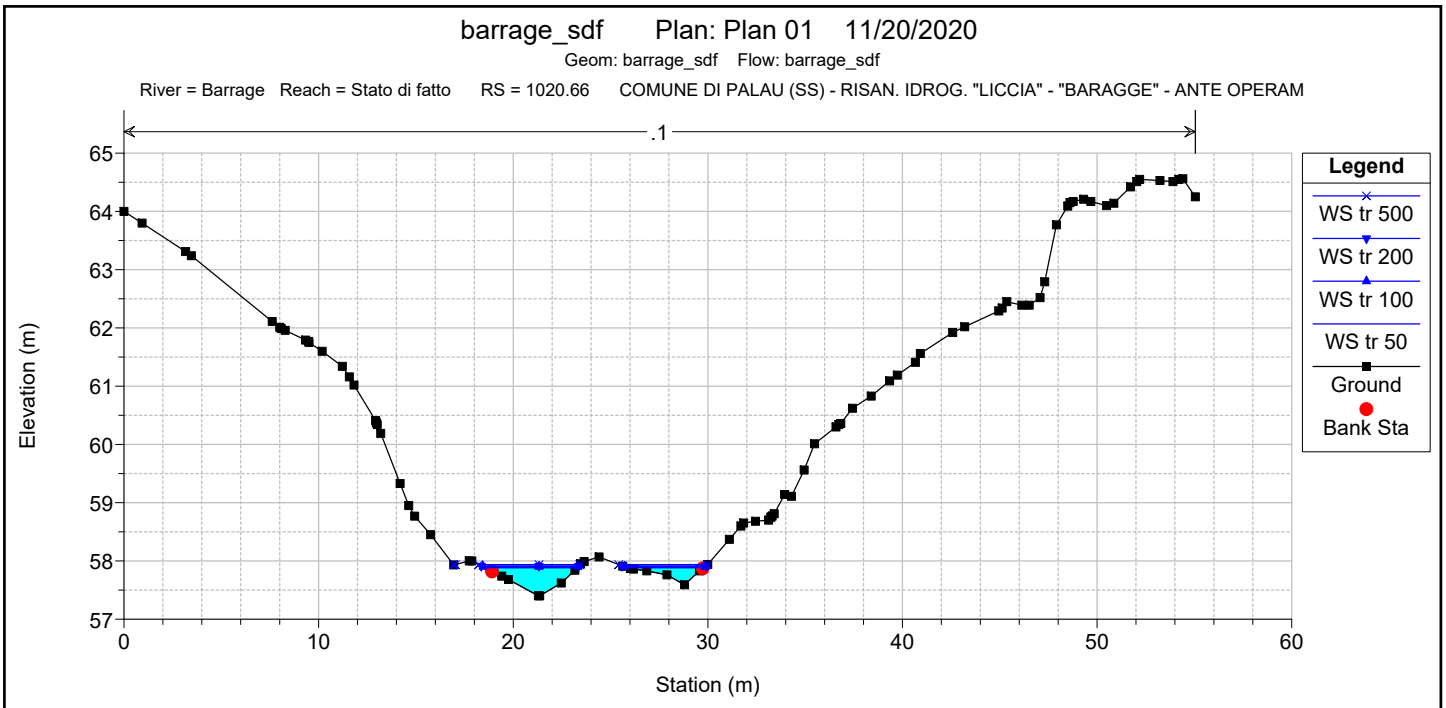
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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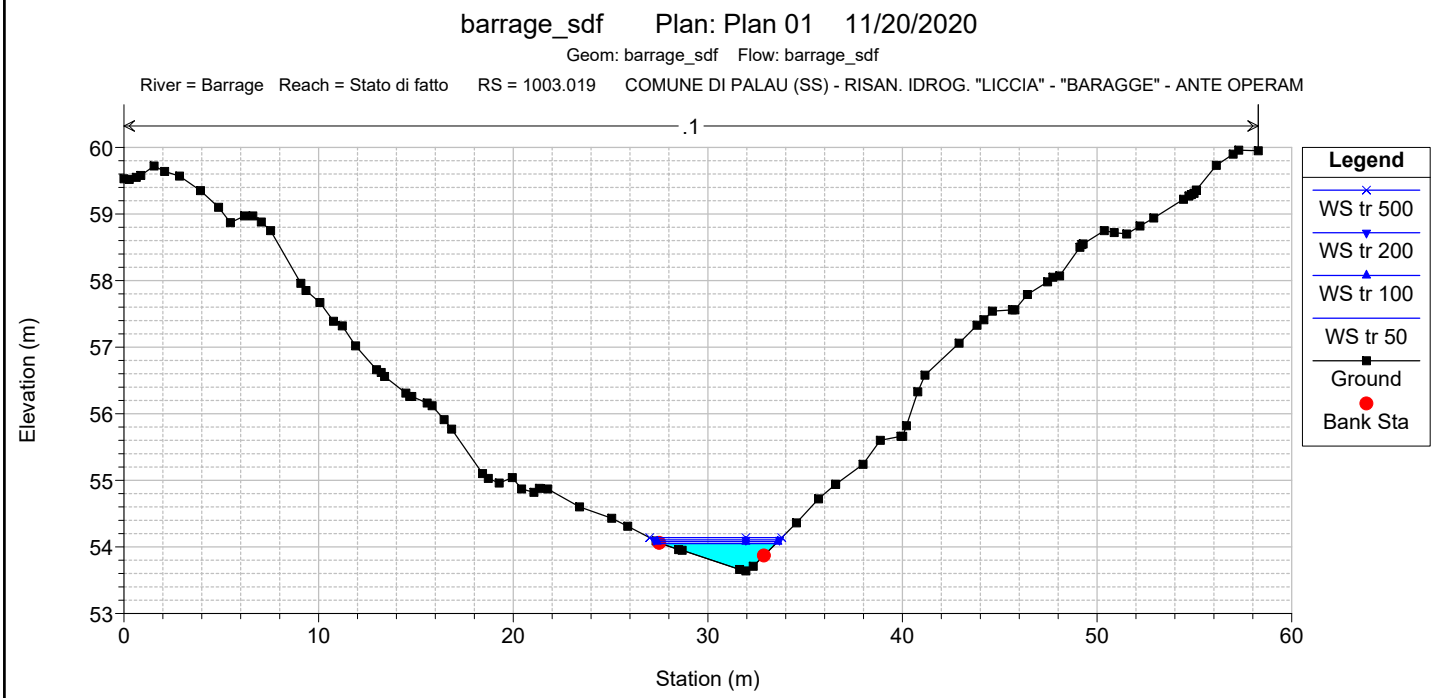
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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Elevation (m)
Station (m)
Legend
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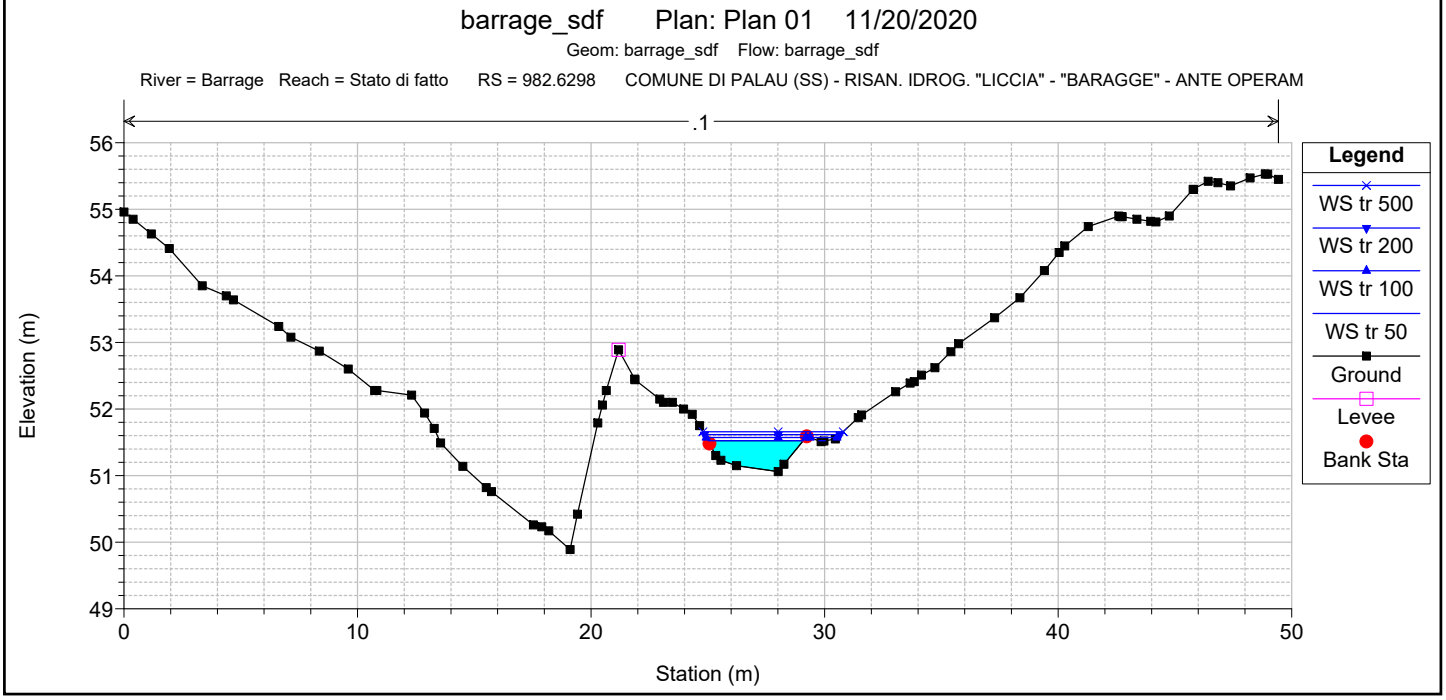
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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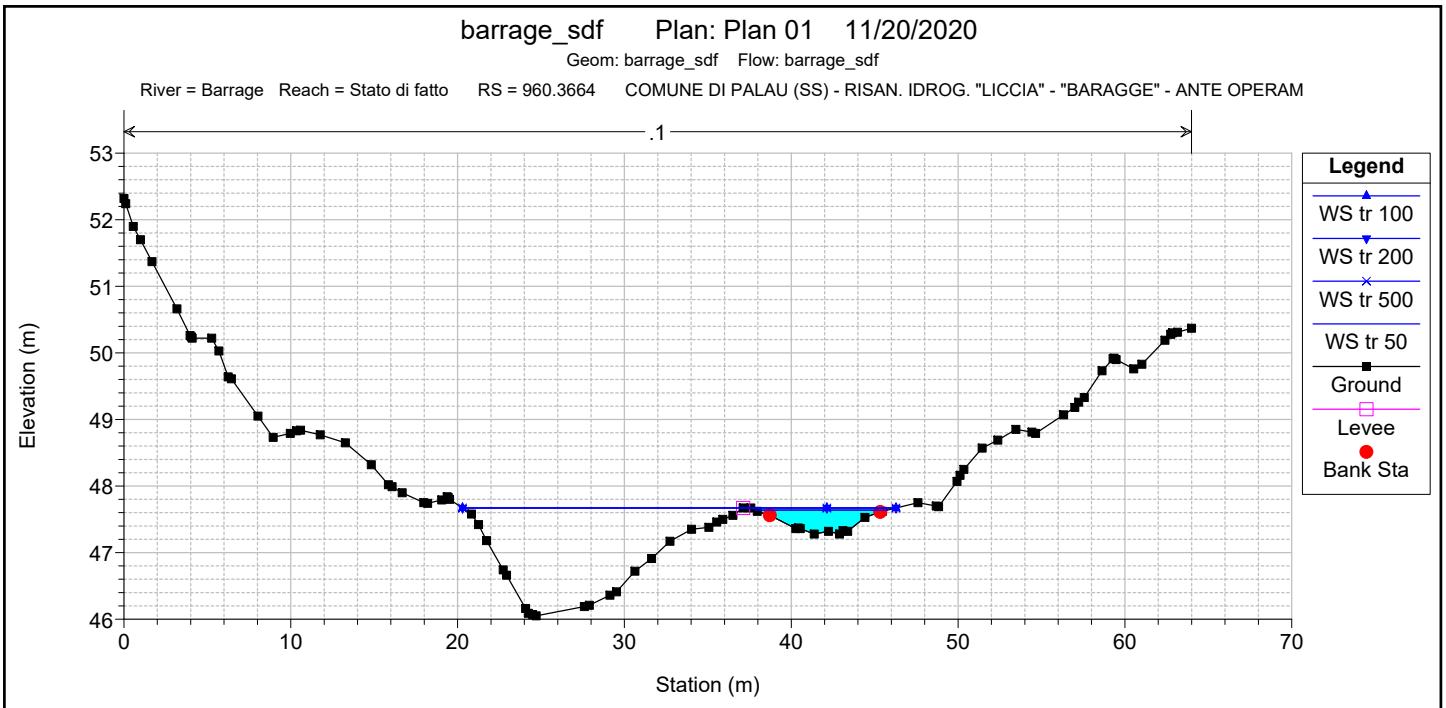
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta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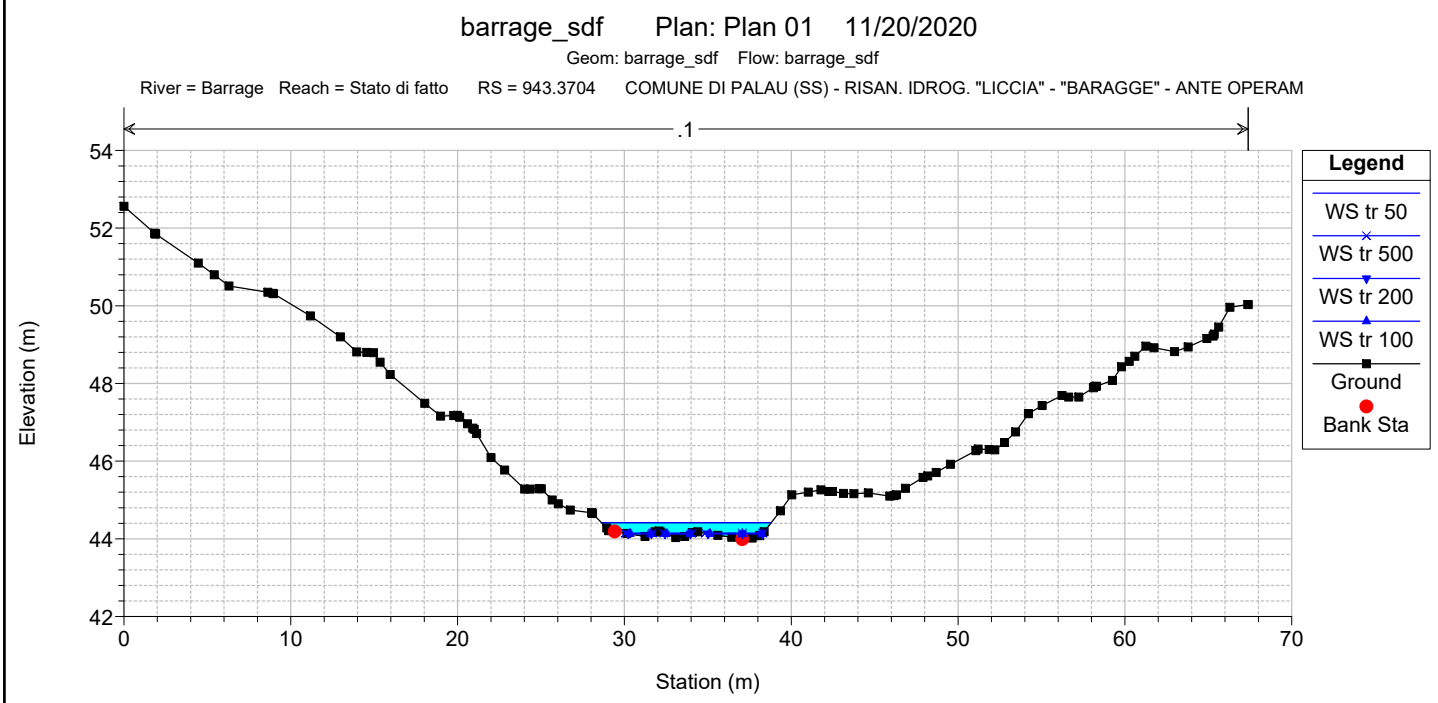
.1
Elevation (m)
Station (m)
Legend
WS tr 100
WS tr 200
WS tr 500
WS tr 50
Ground
Levee
Bank Sta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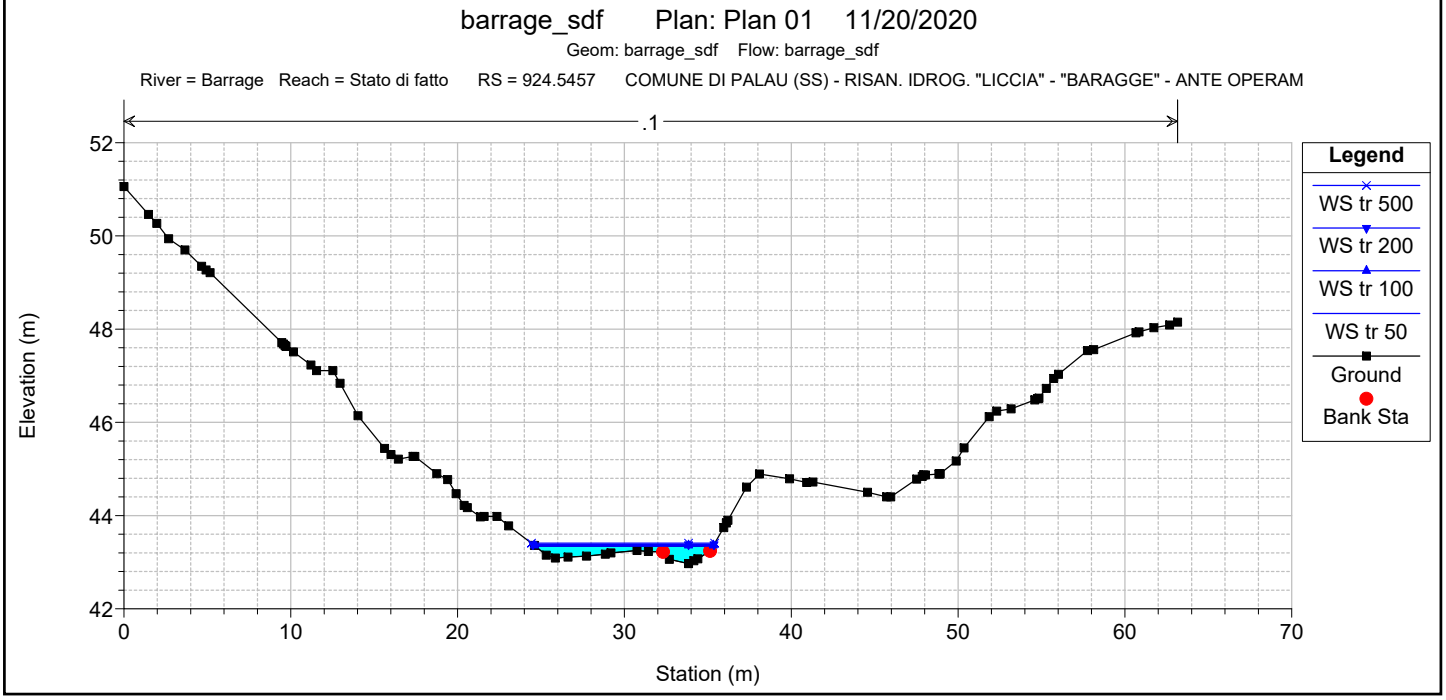
.1
Elevation (m)
Station (m)
Legend
WS tr 50
WS tr 500
WS tr 200
WS tr 100
Ground
Bank Sta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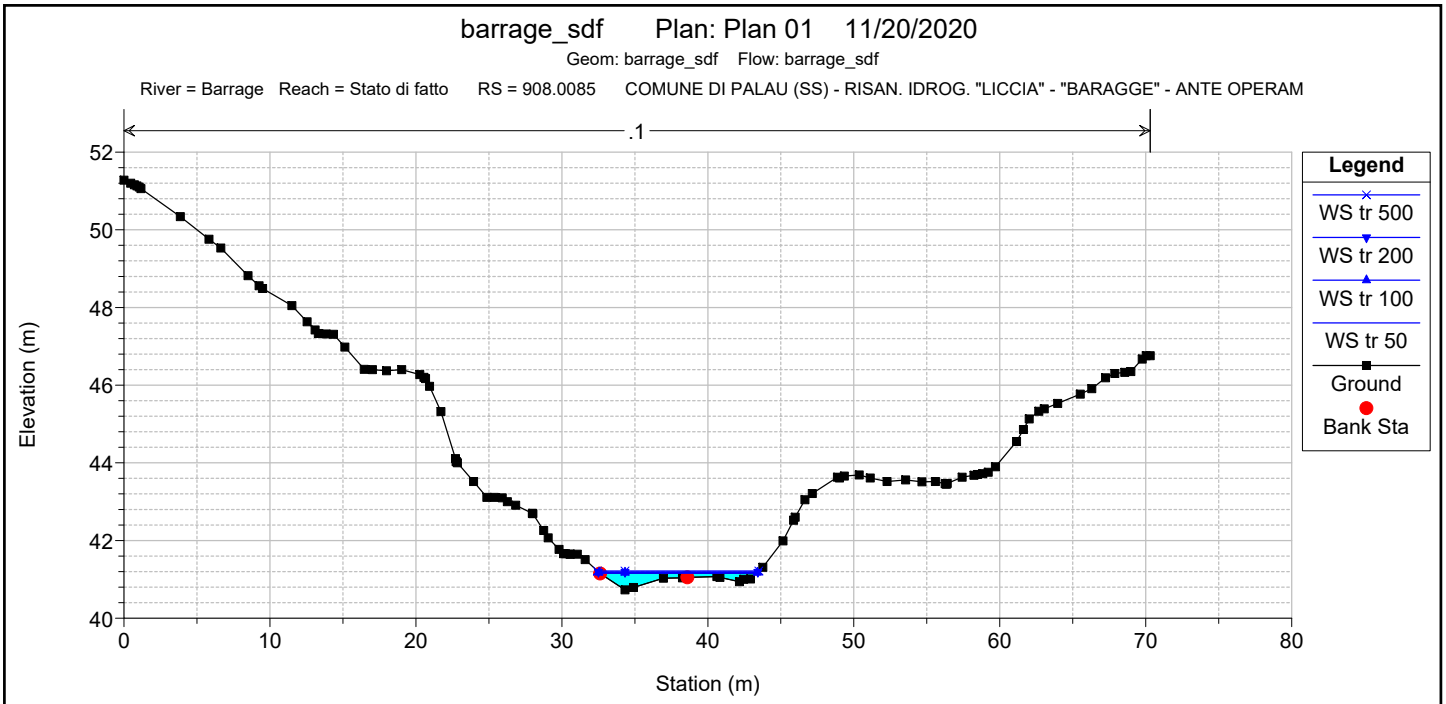
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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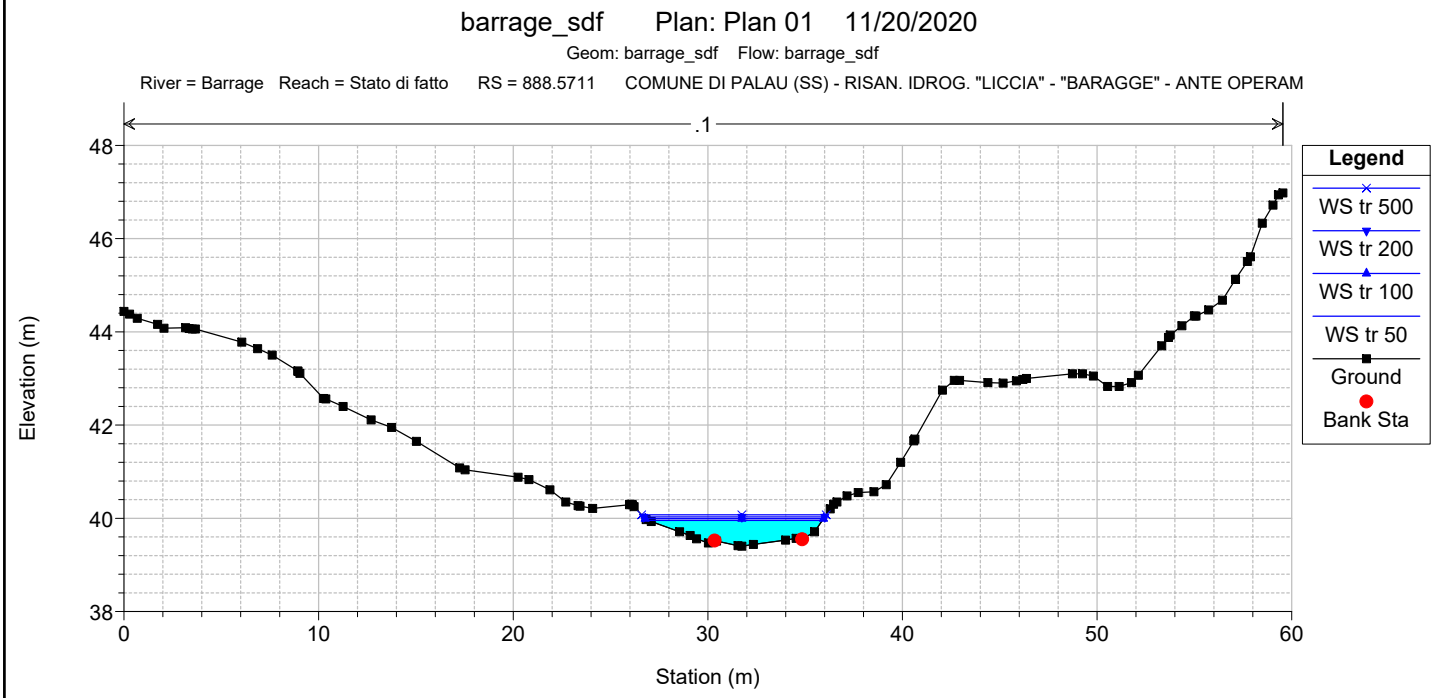
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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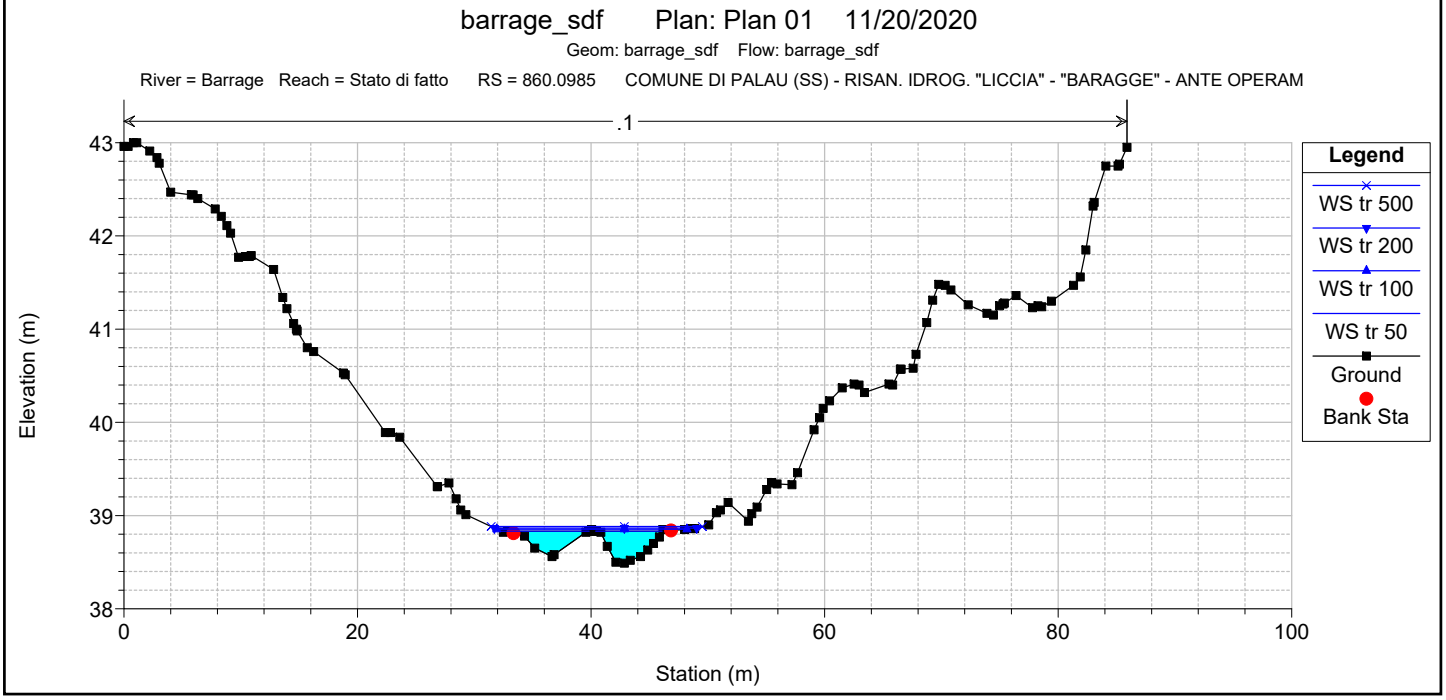
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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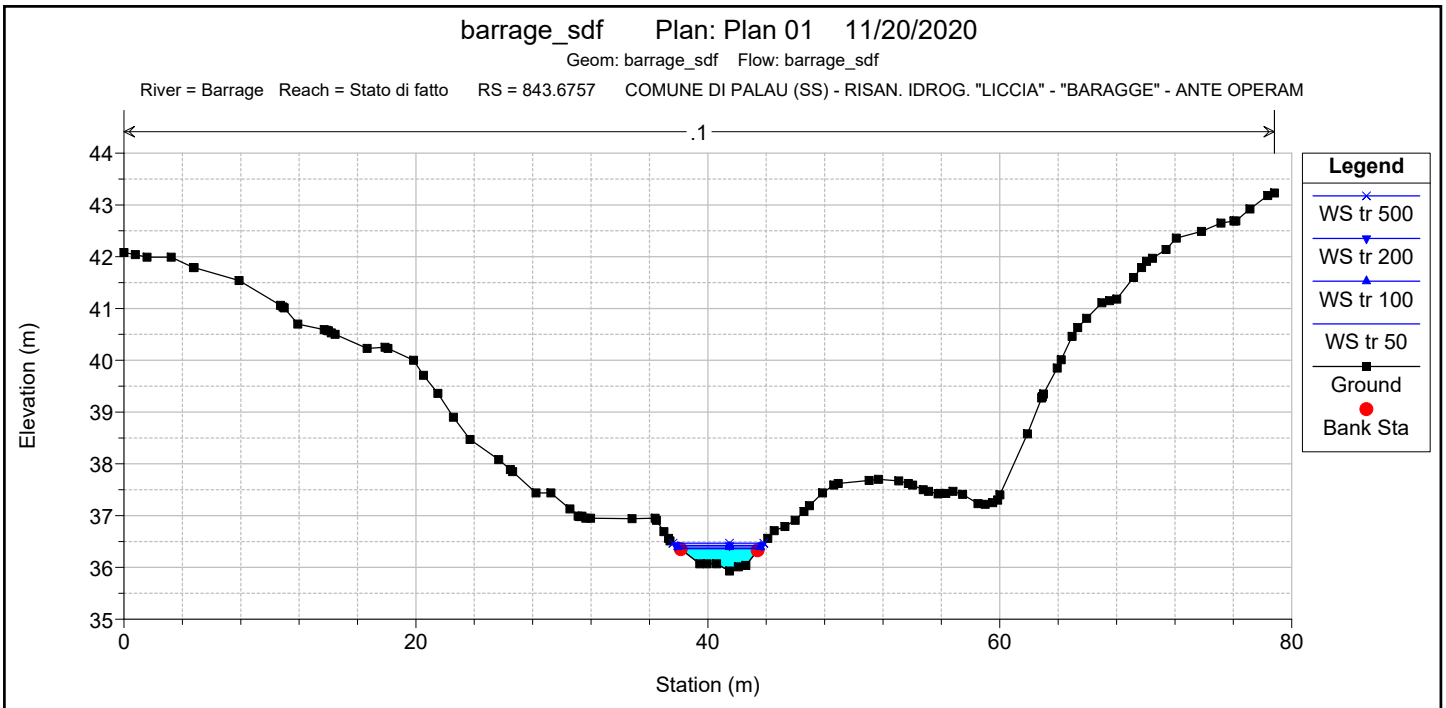
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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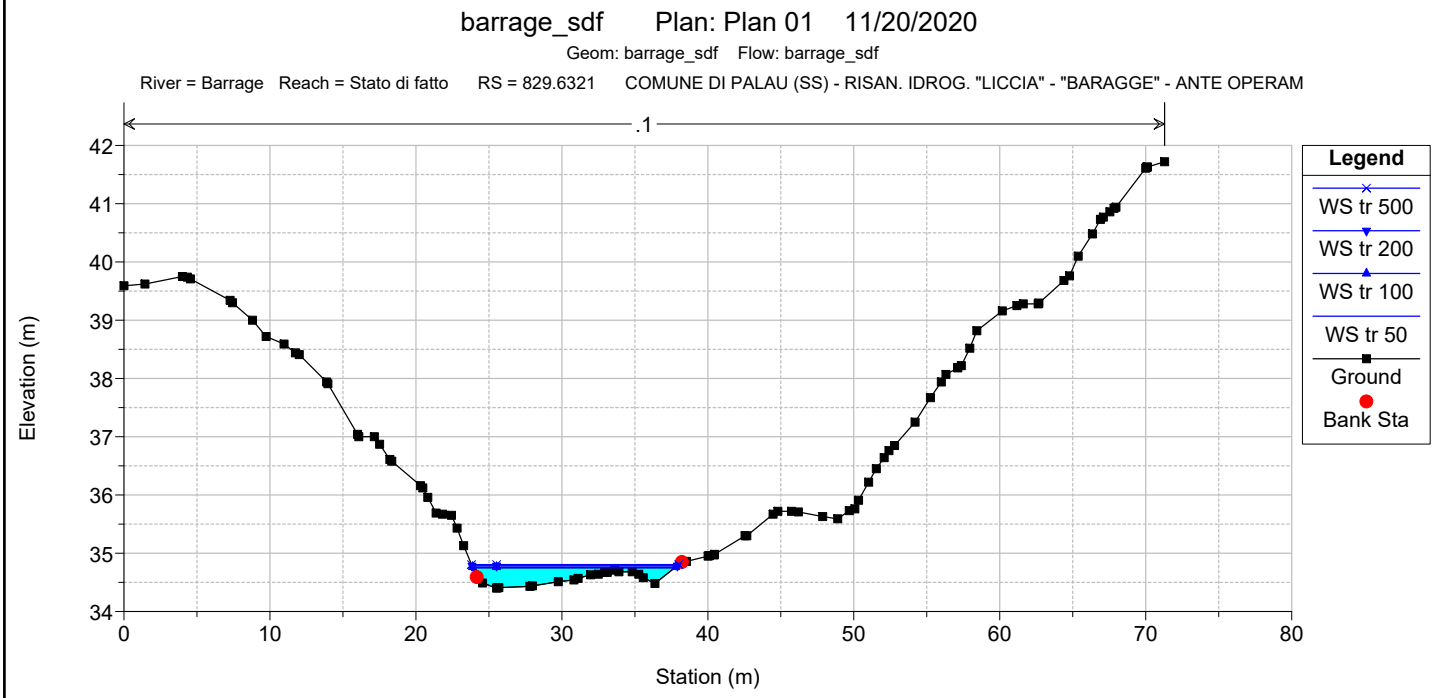
River = Barrage Reach = Stato di fatto RS = 843.6757 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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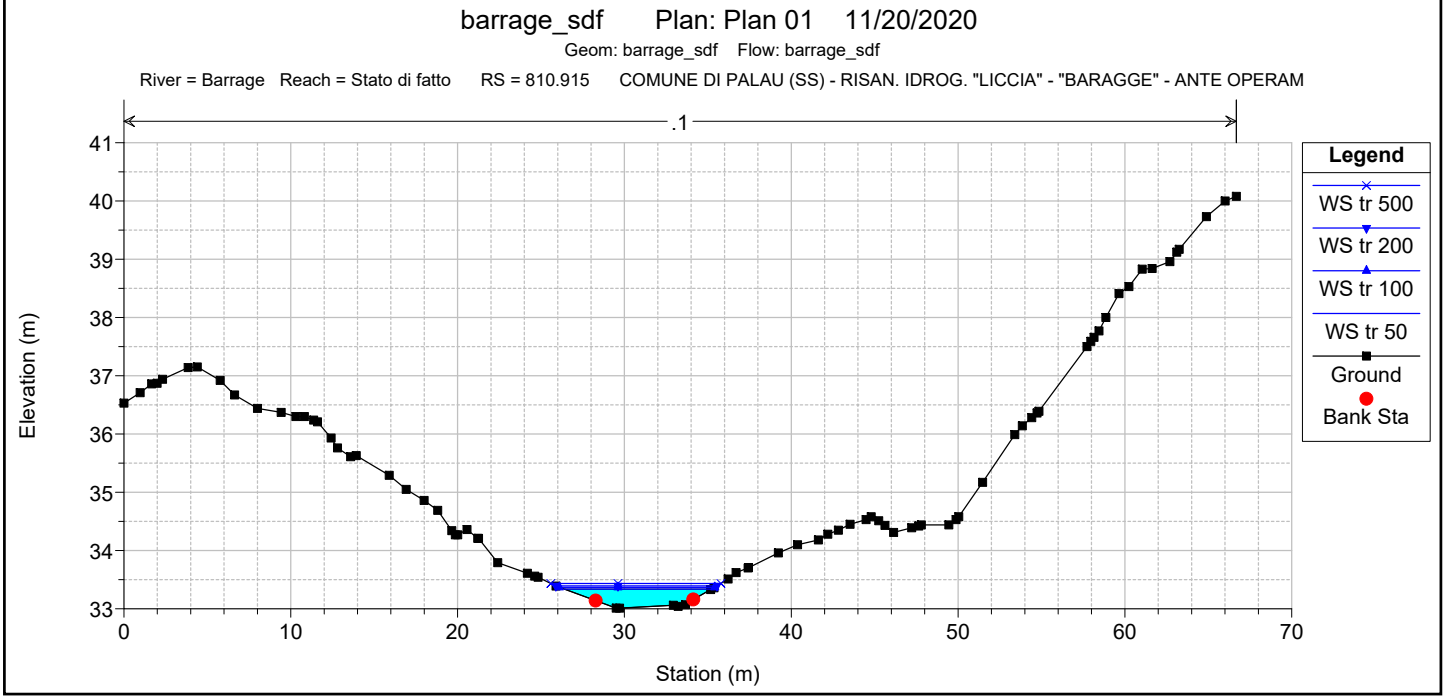
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 829.6321 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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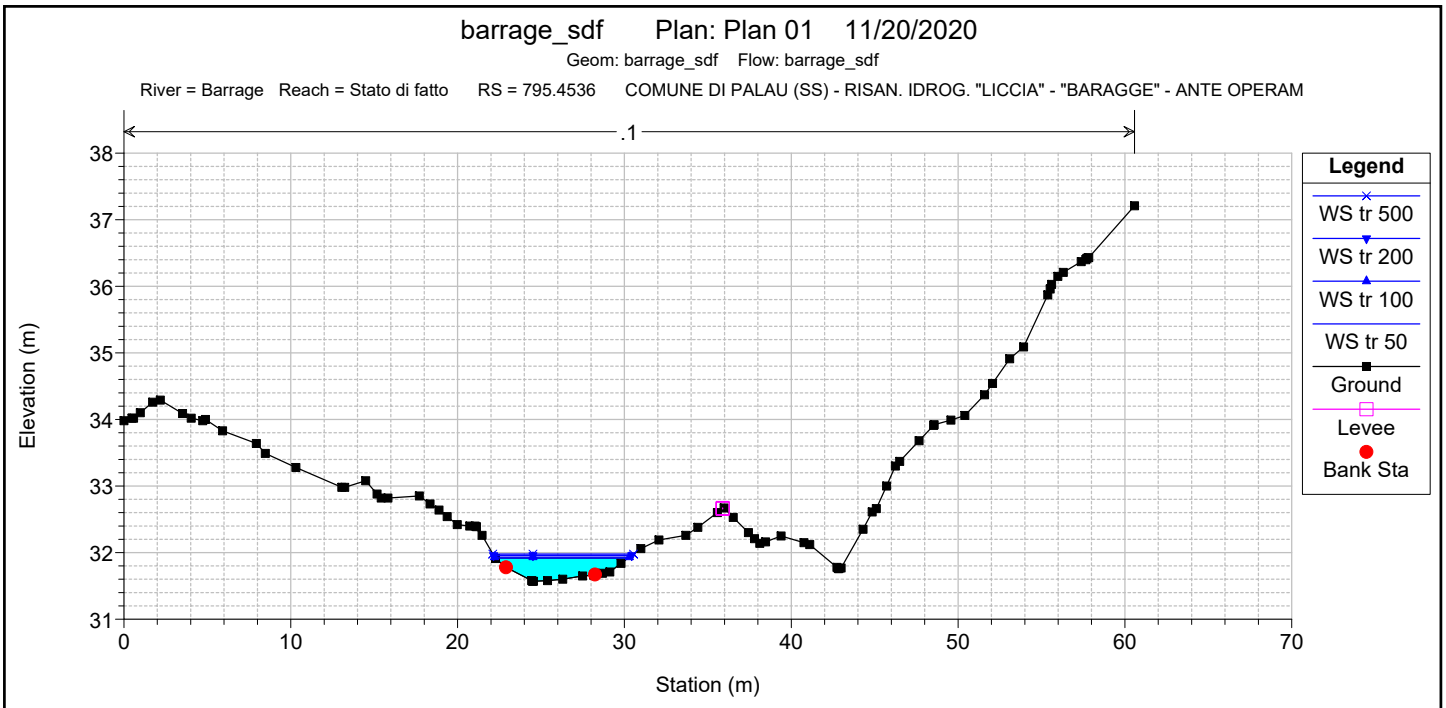
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 810.915 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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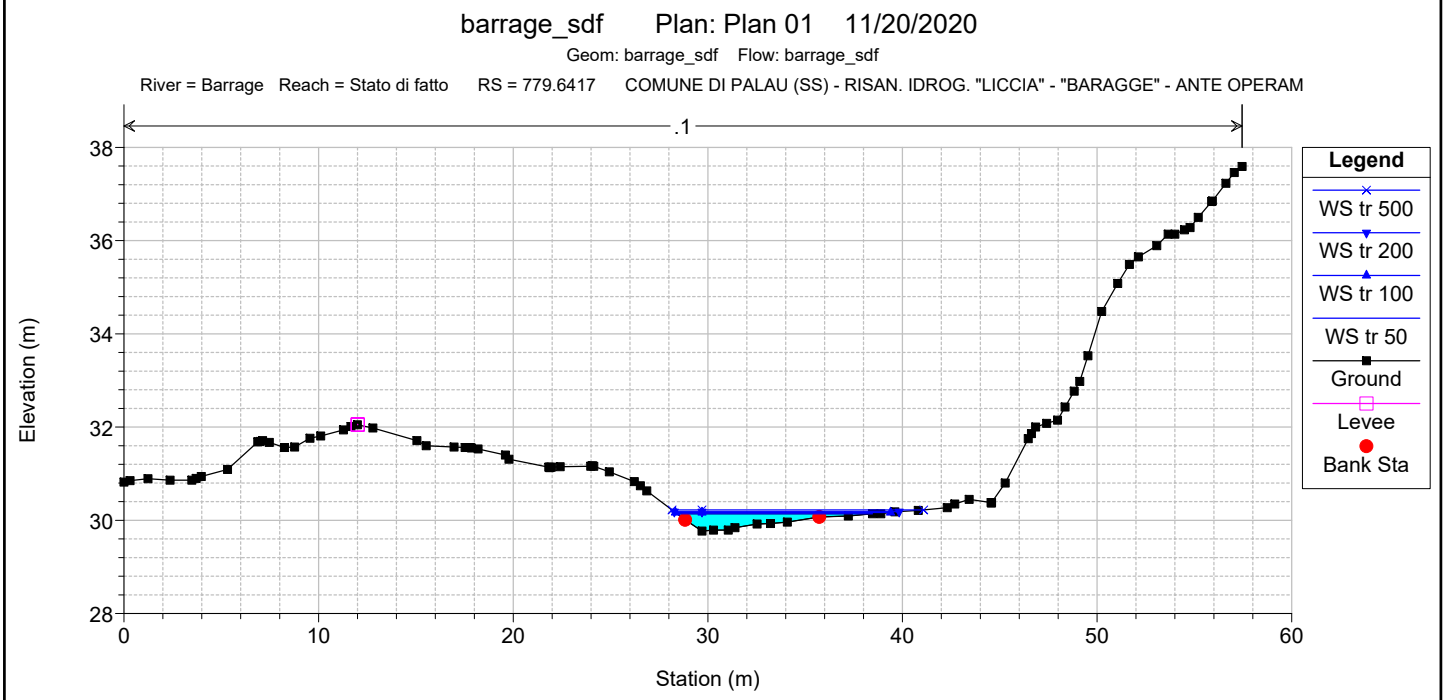
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 795.4536 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta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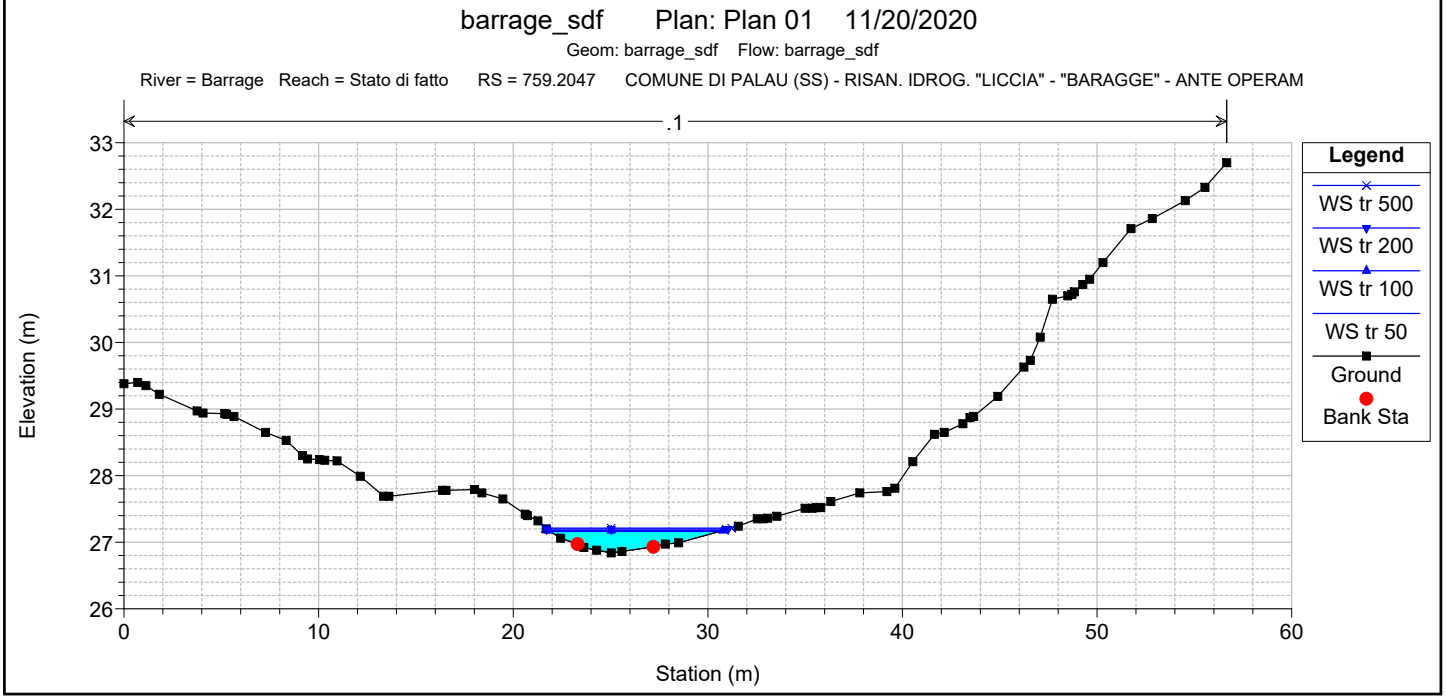
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 779.6417 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta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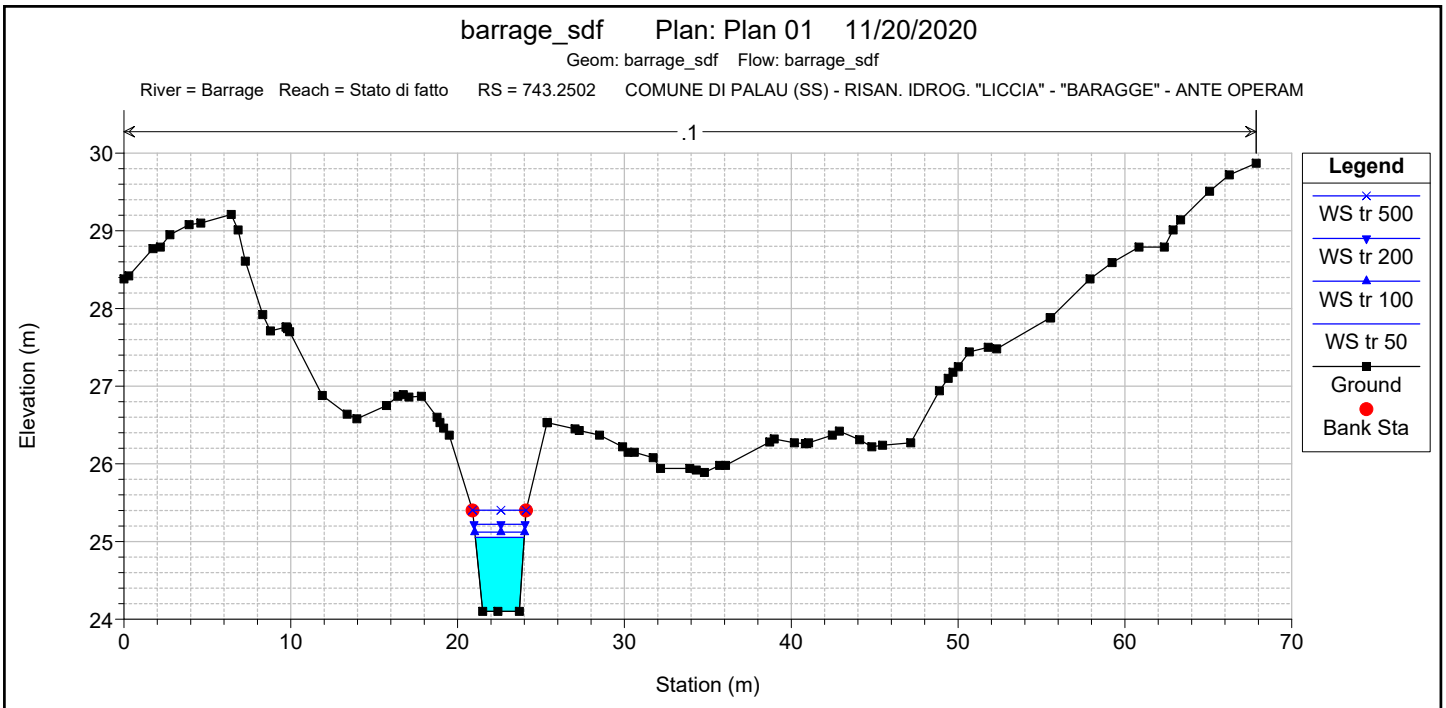
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 759.2047 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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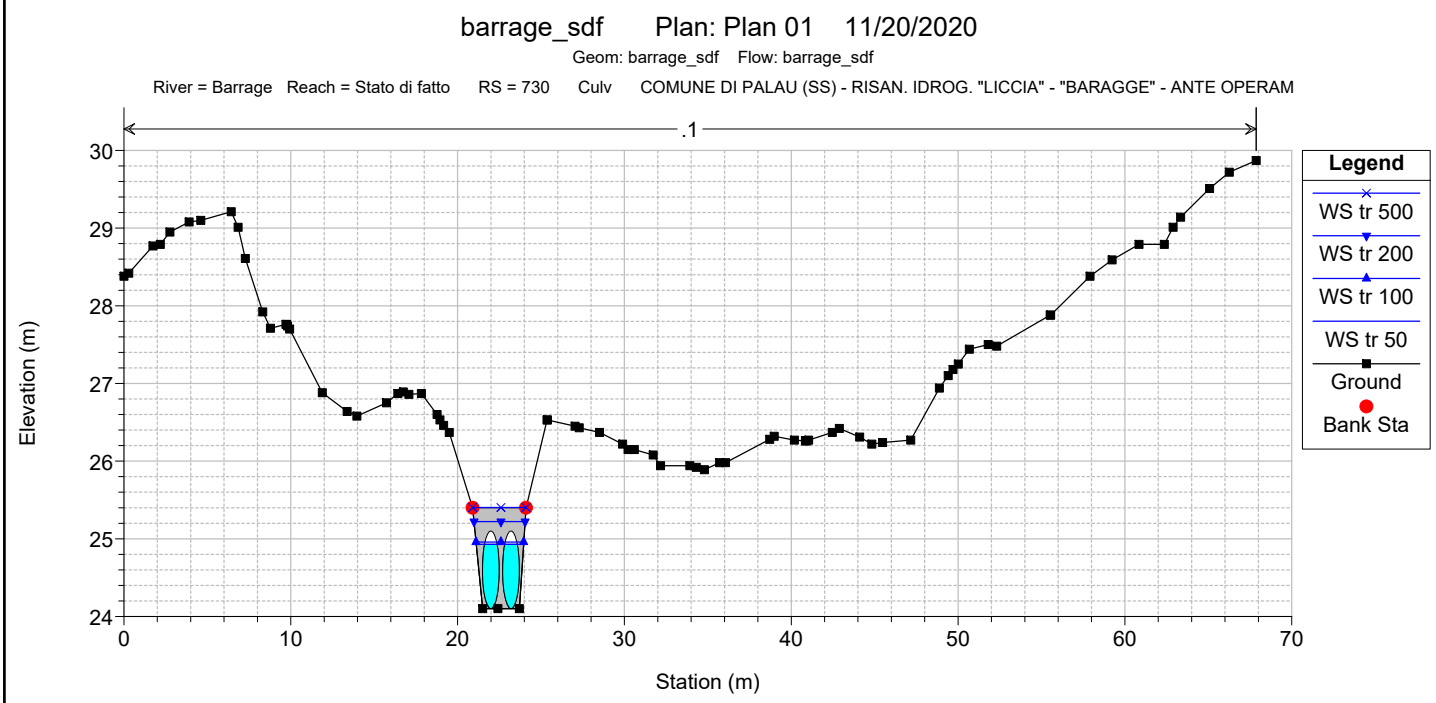
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 743.2502 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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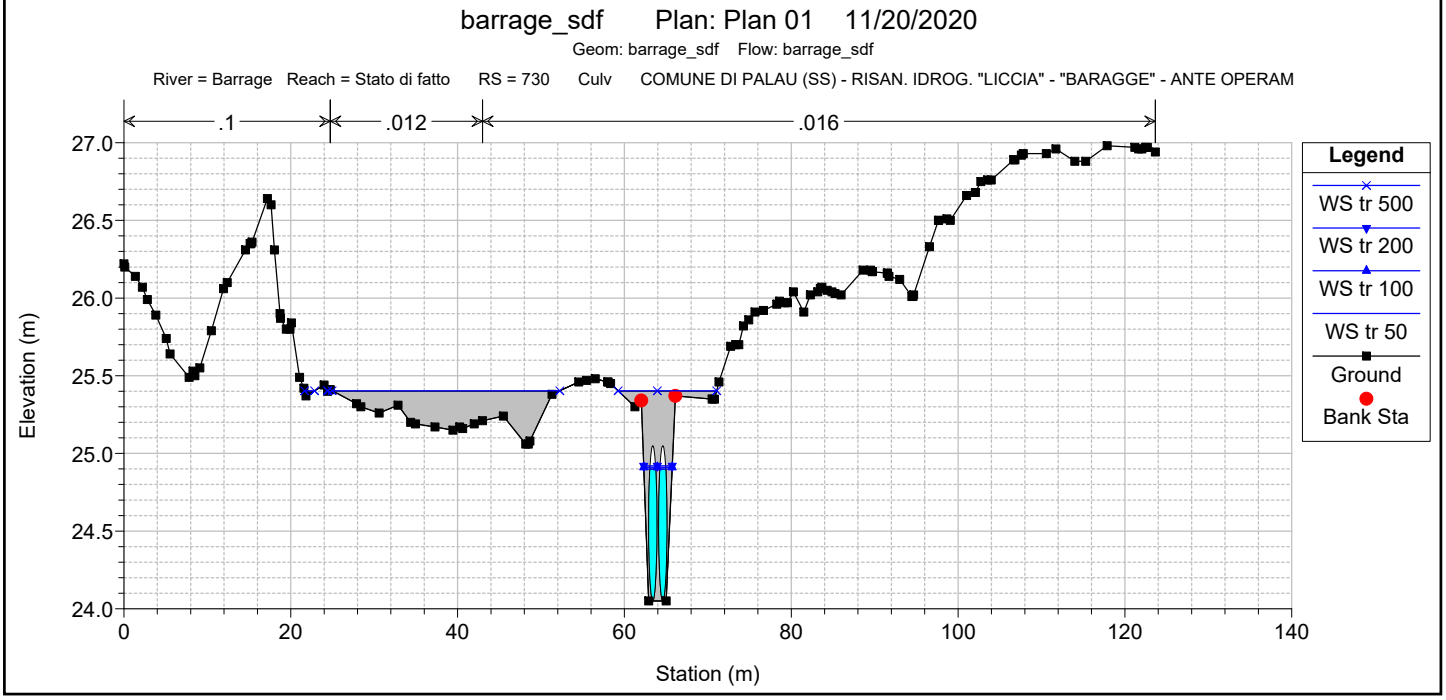
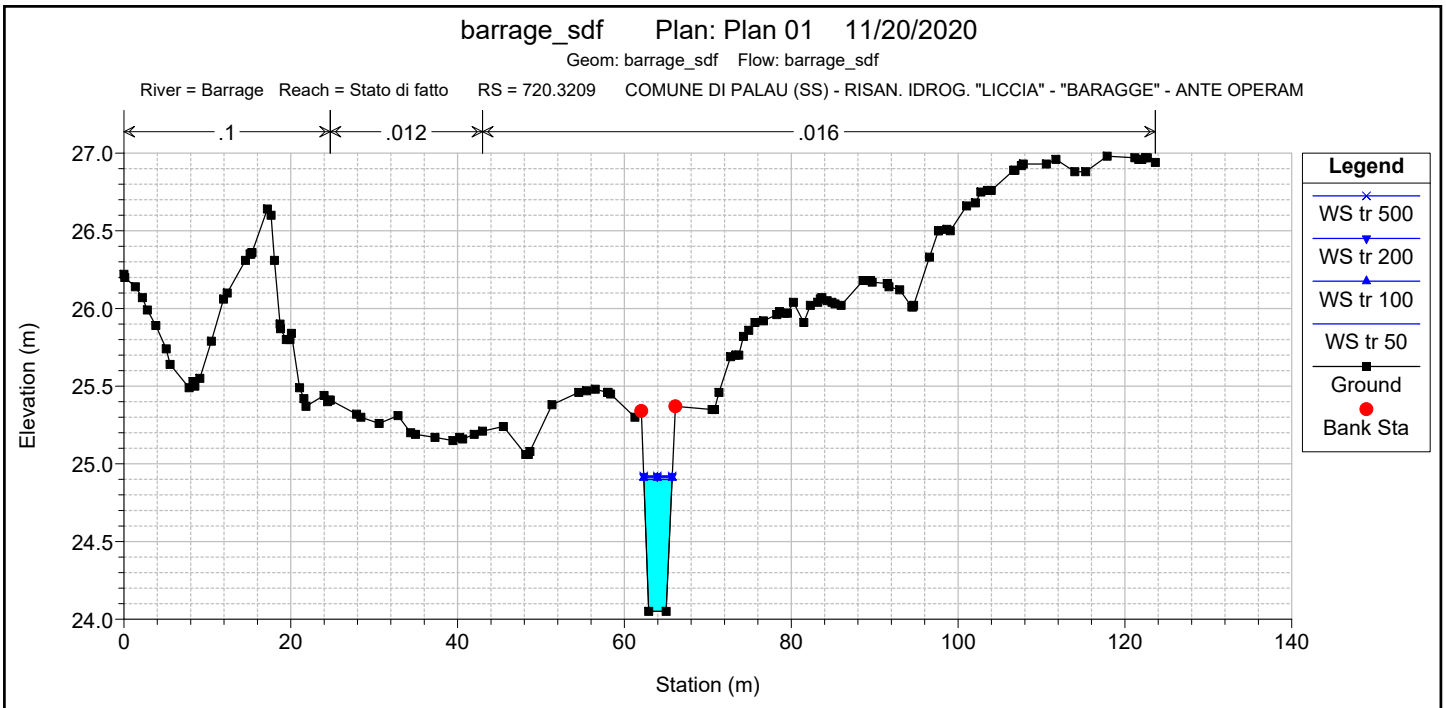
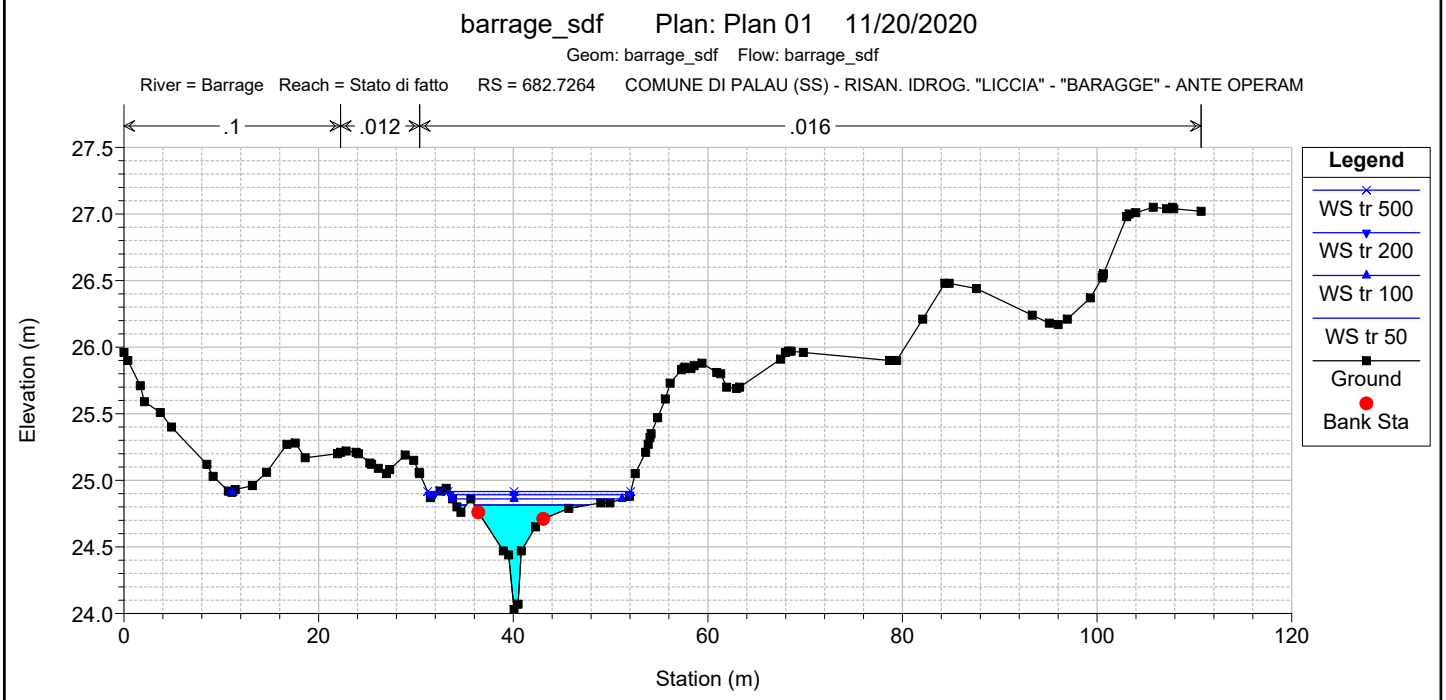
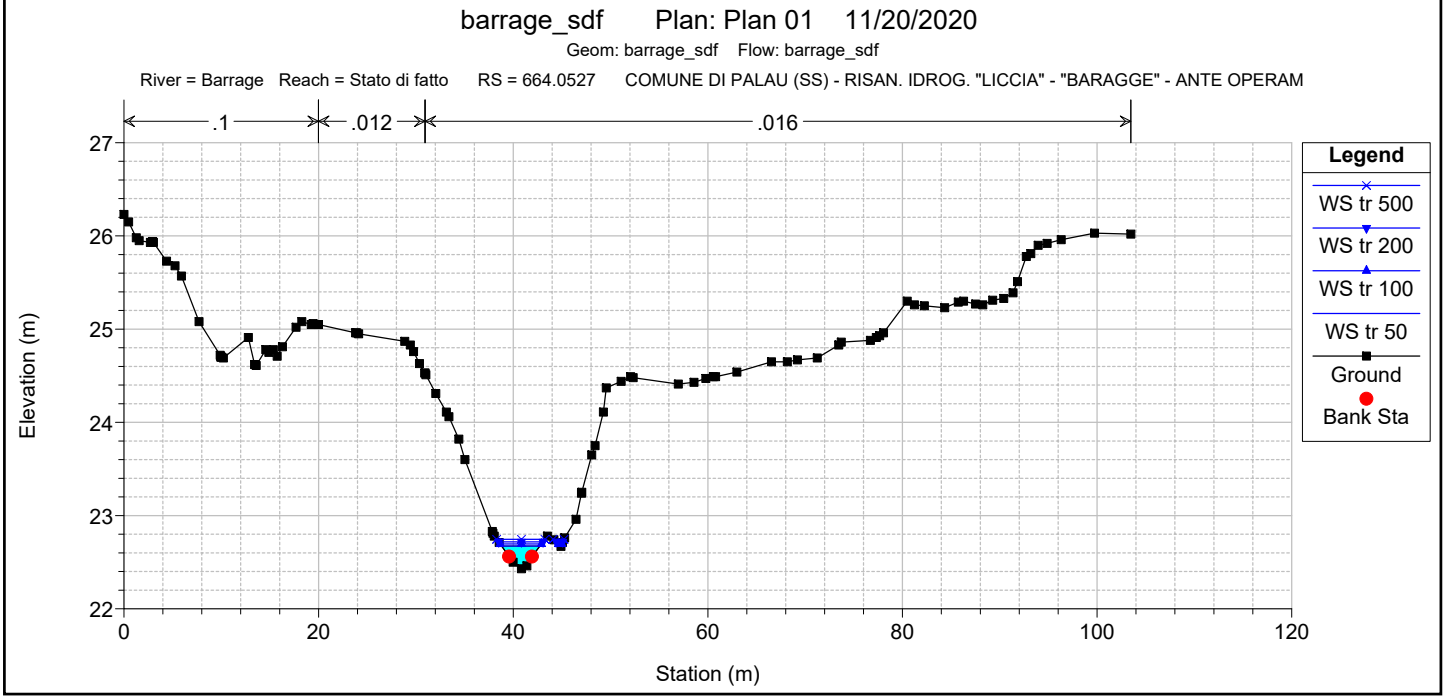
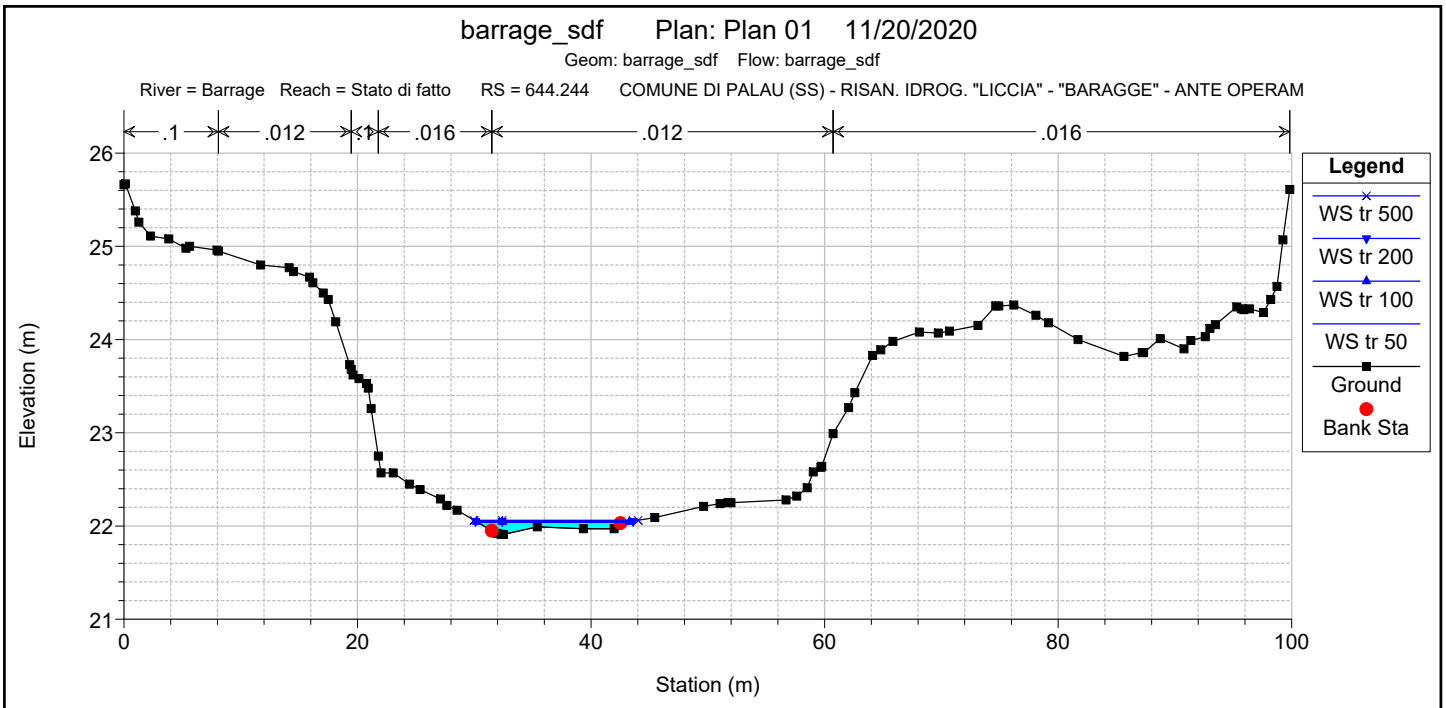
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 730 Culv COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 730 Culv COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 720.3209 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 682.7264 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 664.0527 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta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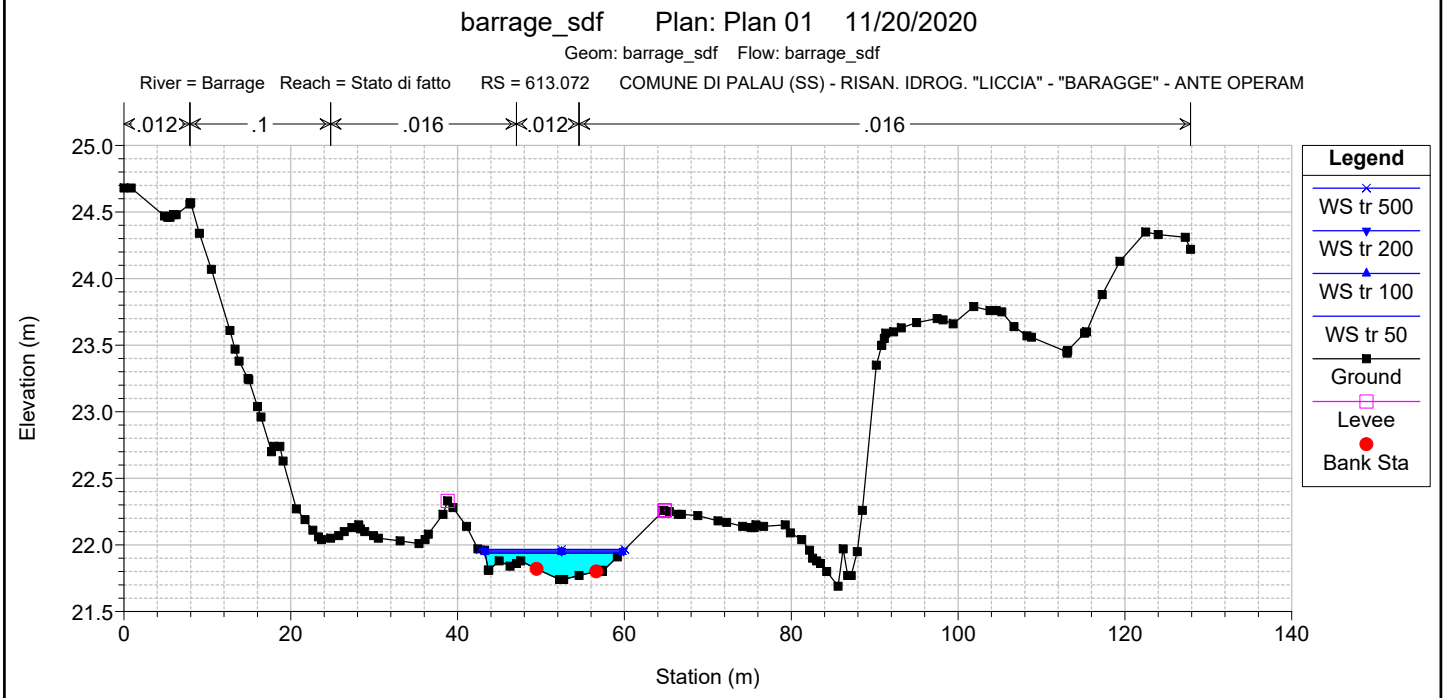
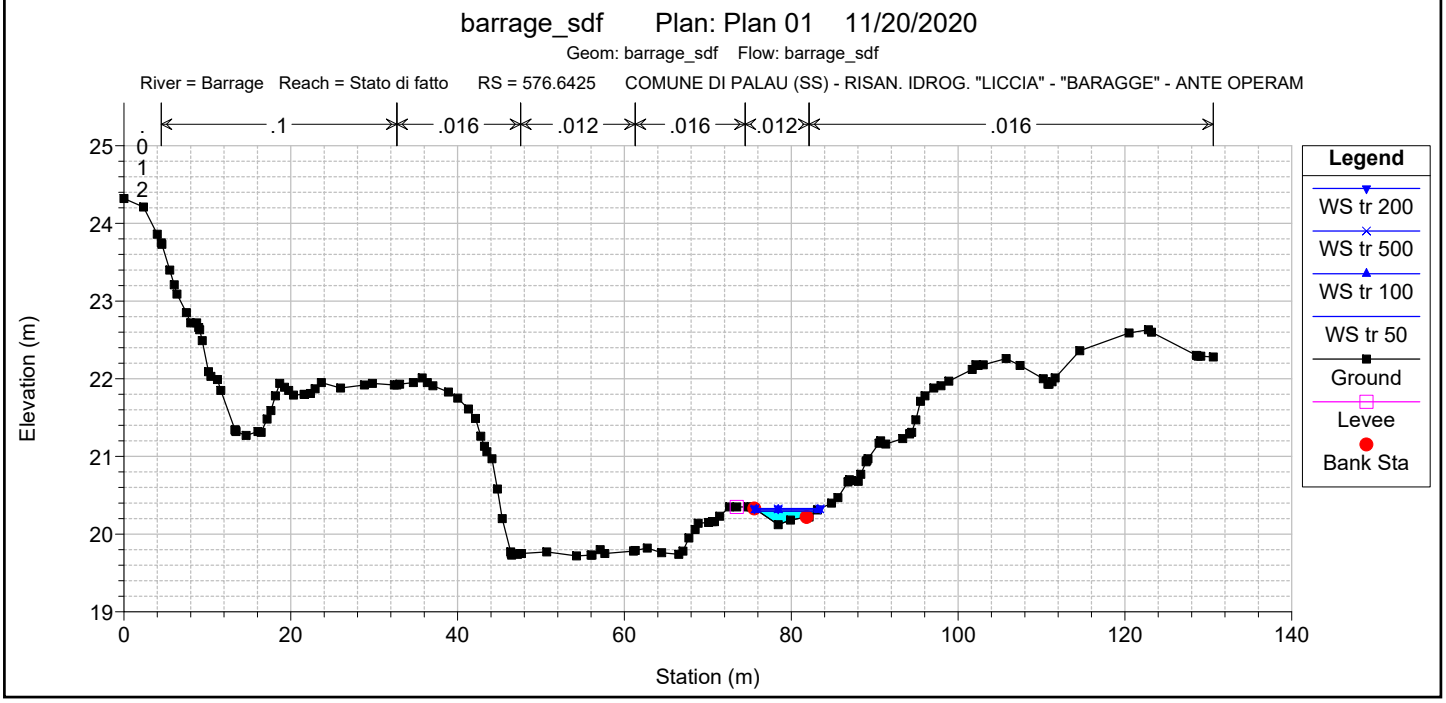
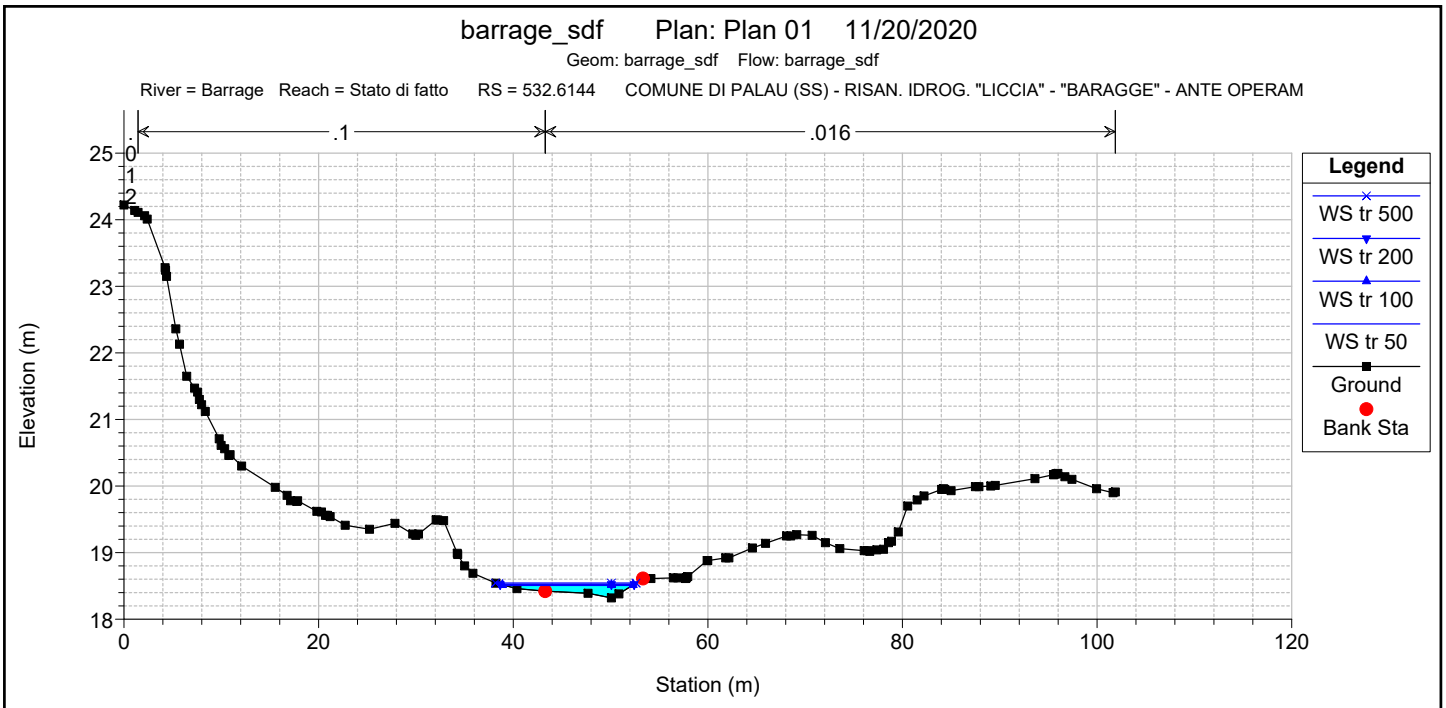
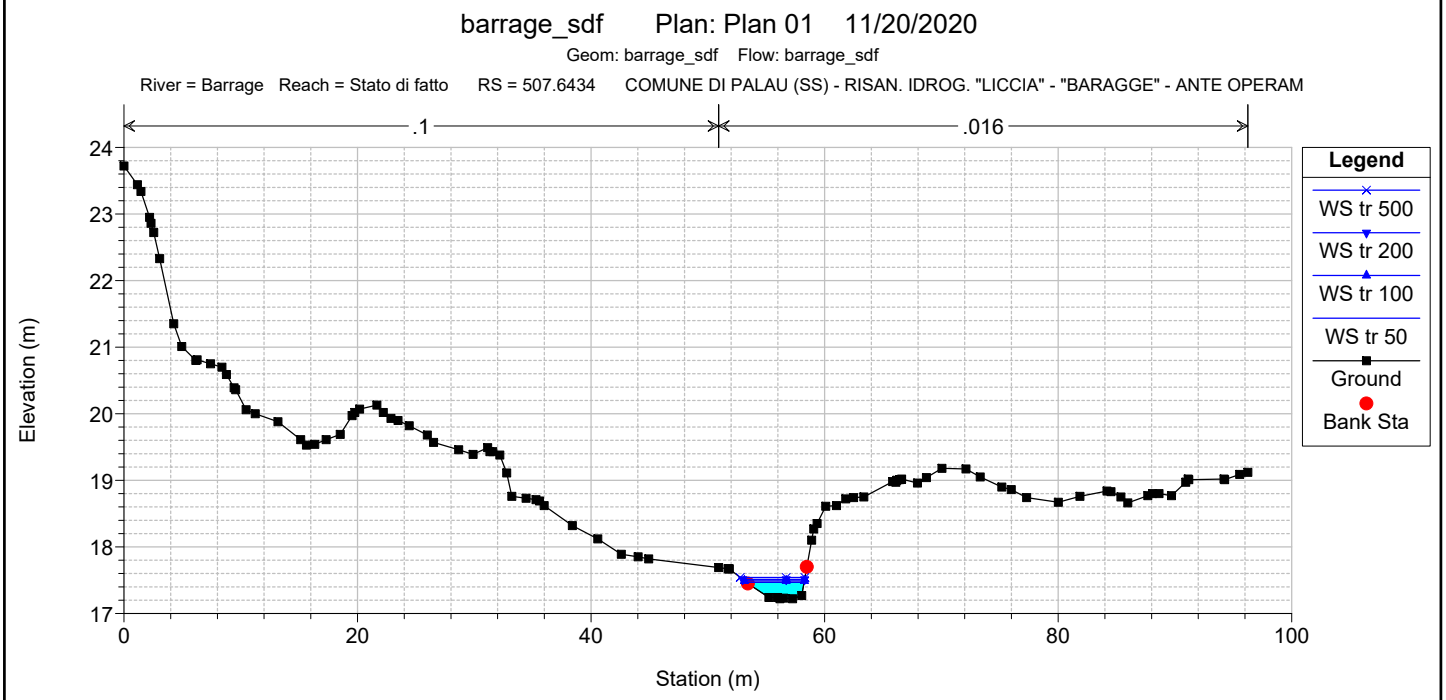
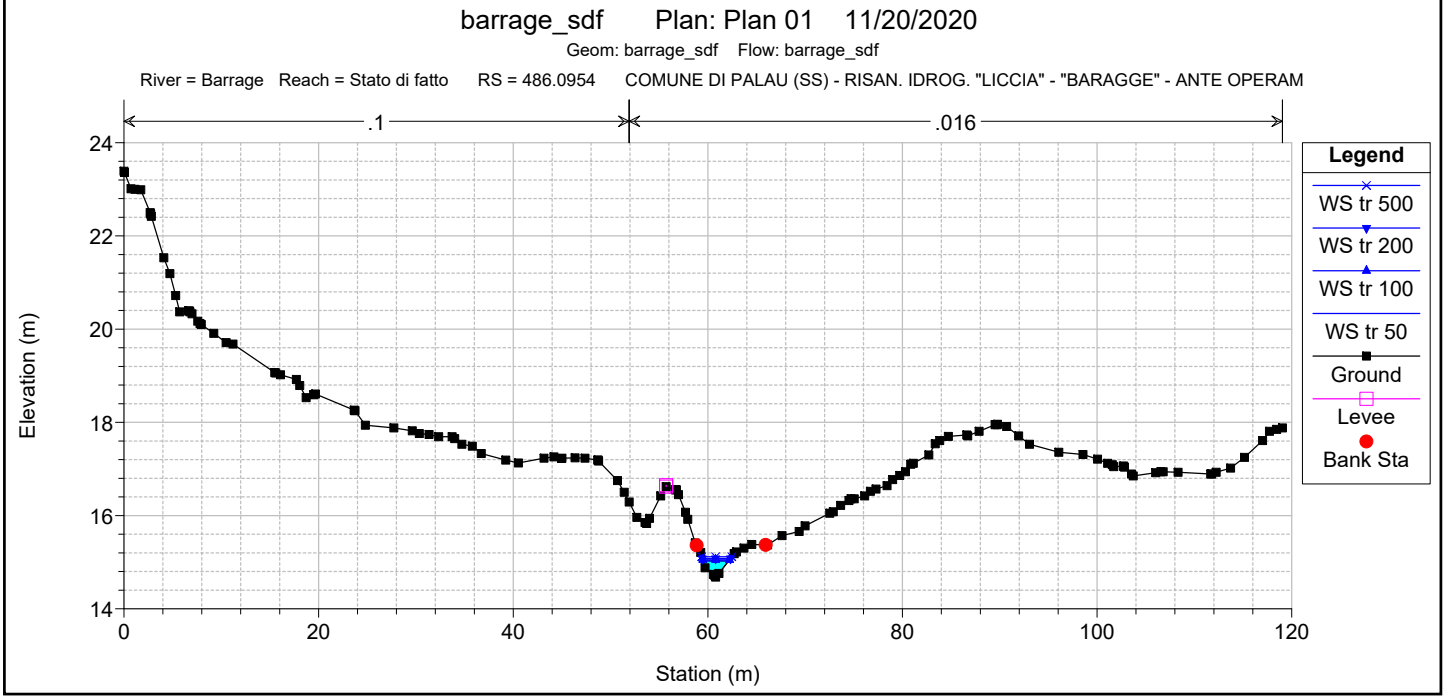
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 644.244 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.012
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

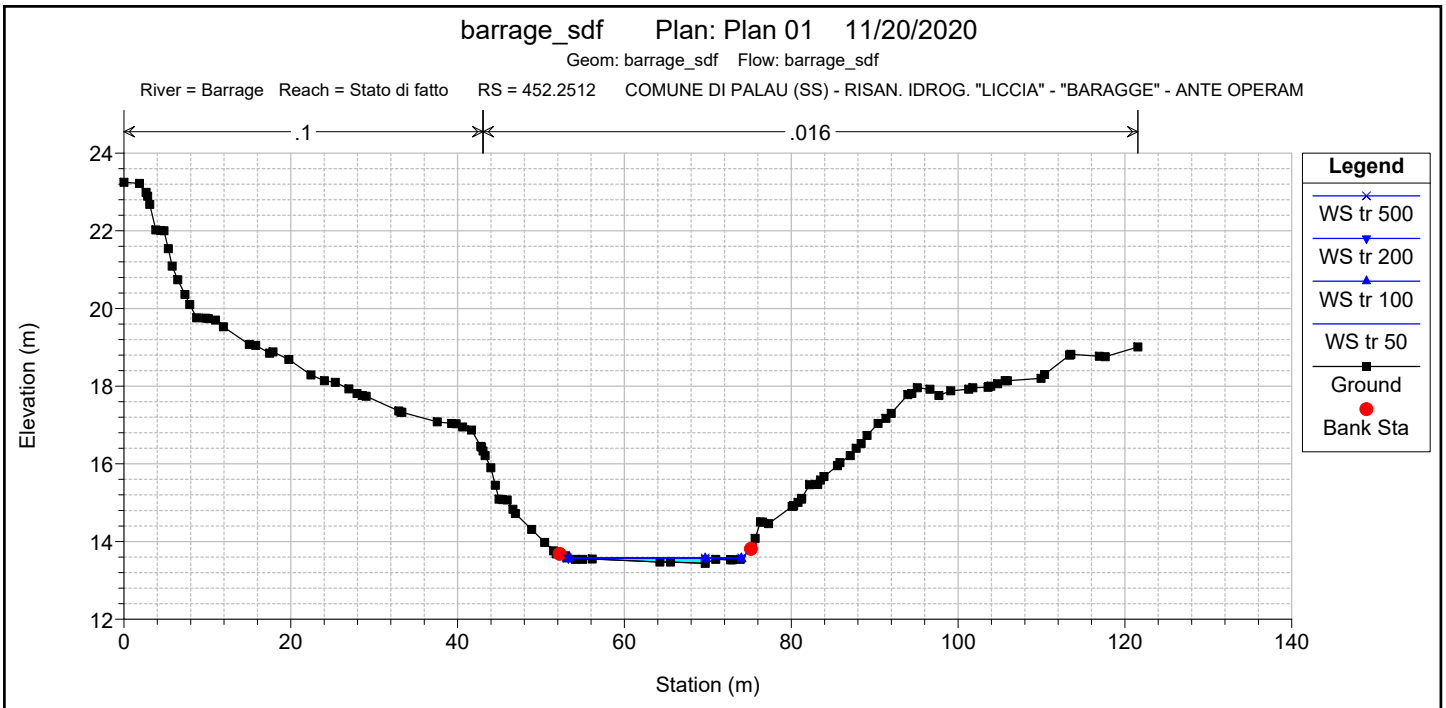

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 613.072 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.1
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

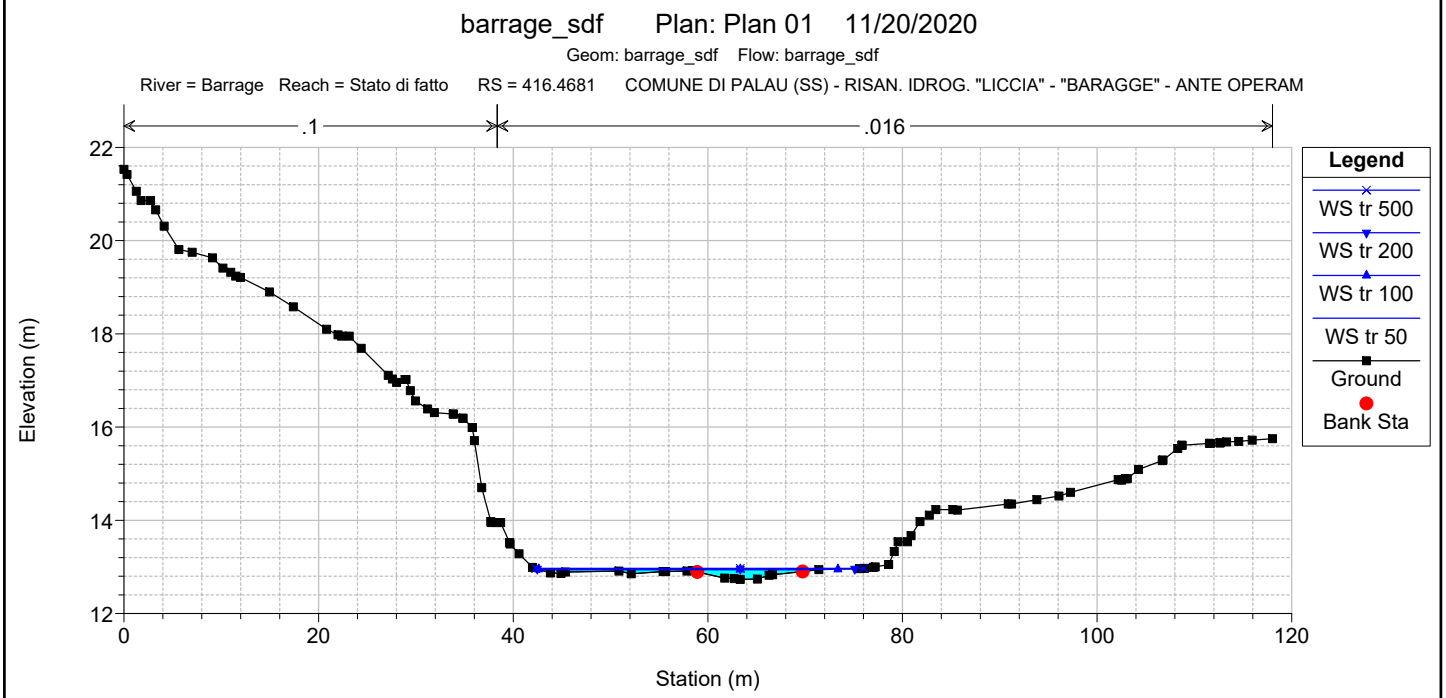

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 576.6425 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.012
.016
.012
.016
Legend
WS tr 200
WS tr 500
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

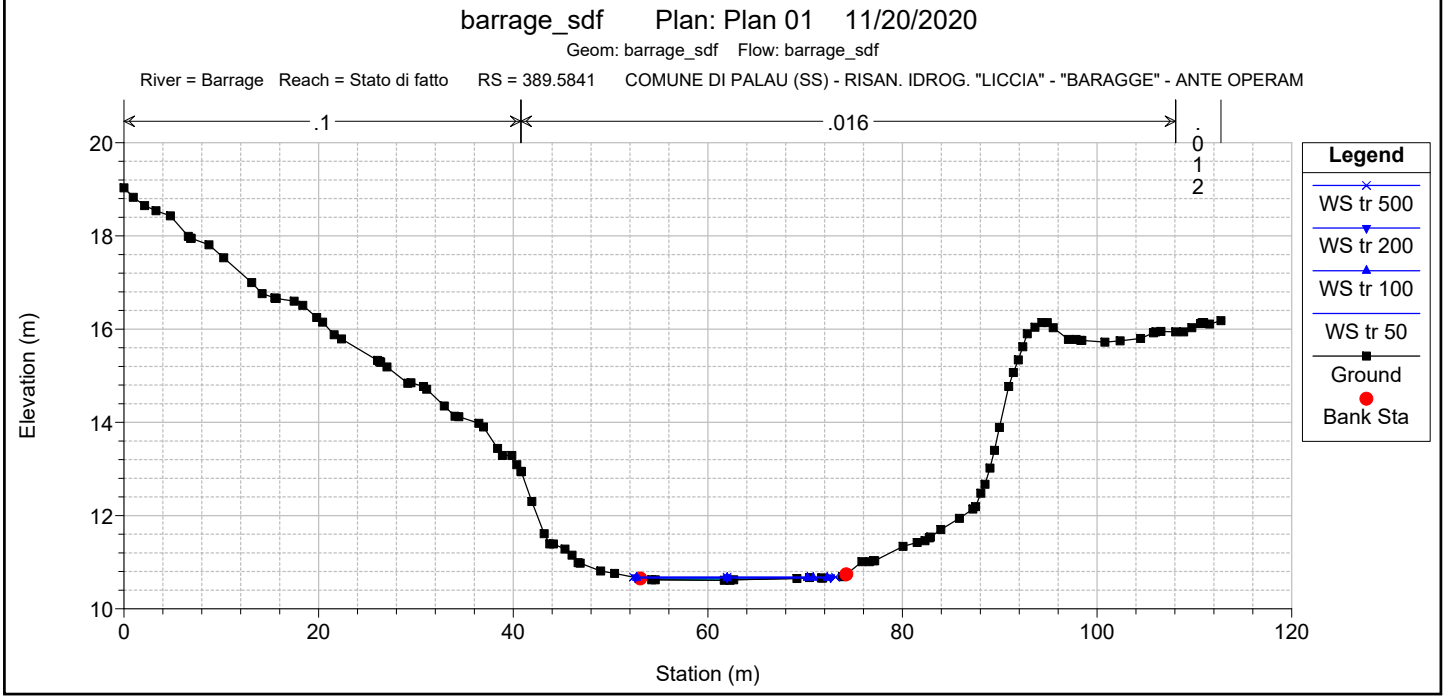

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 532.6144 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

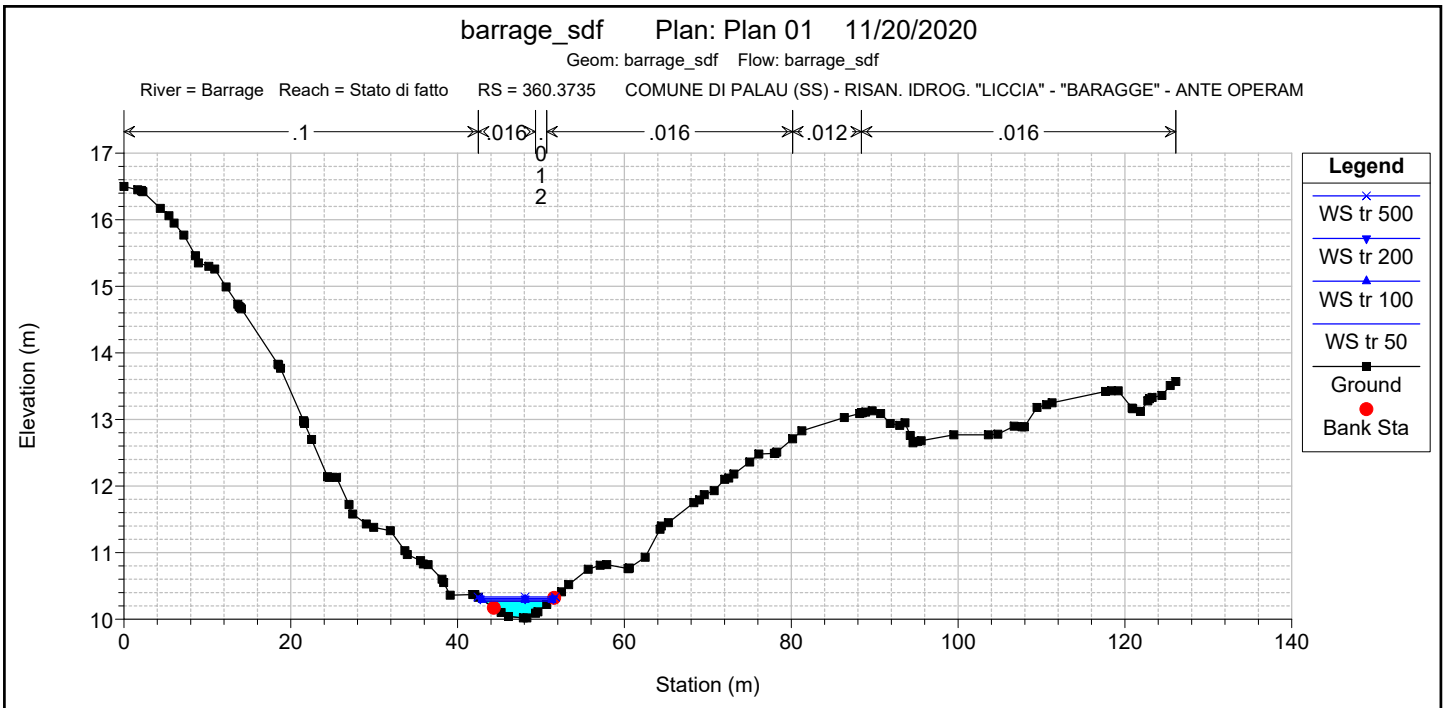

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 507.6434 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

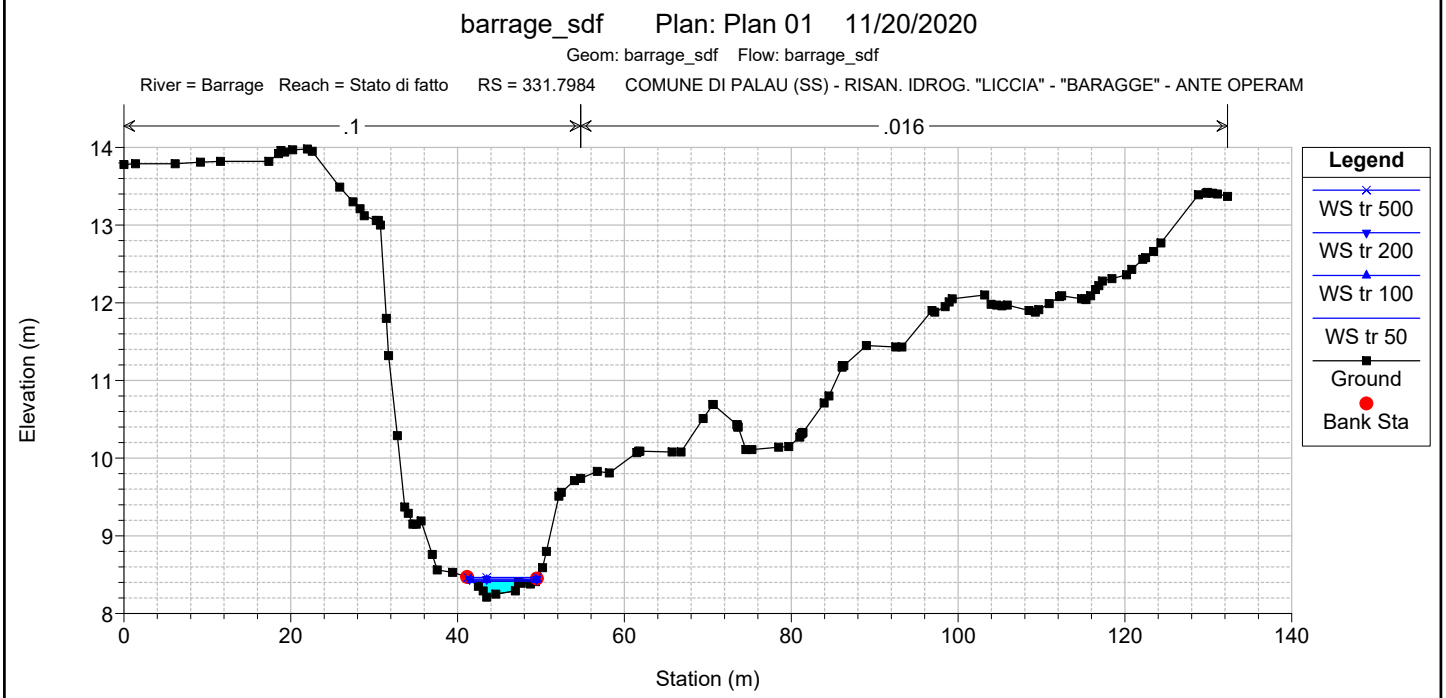

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 486.0954 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

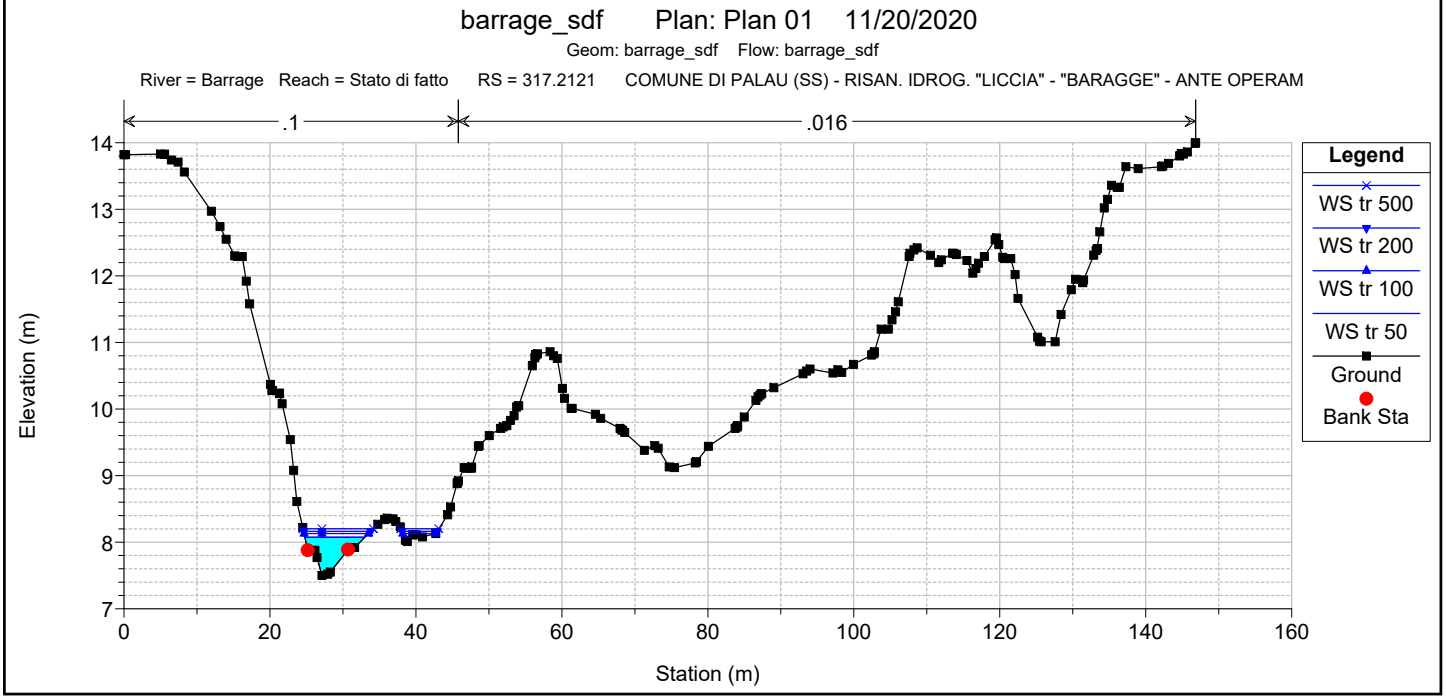

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 452.2512 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

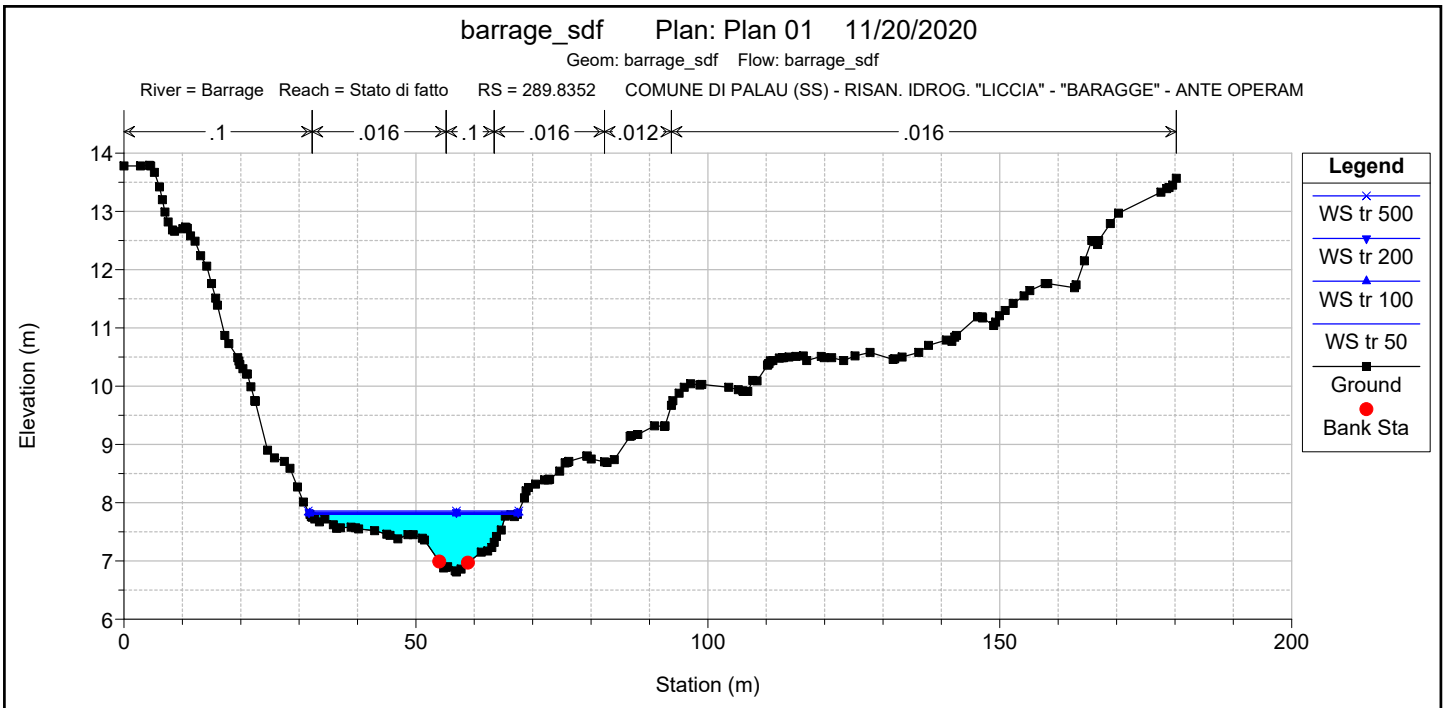

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 416.4681 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

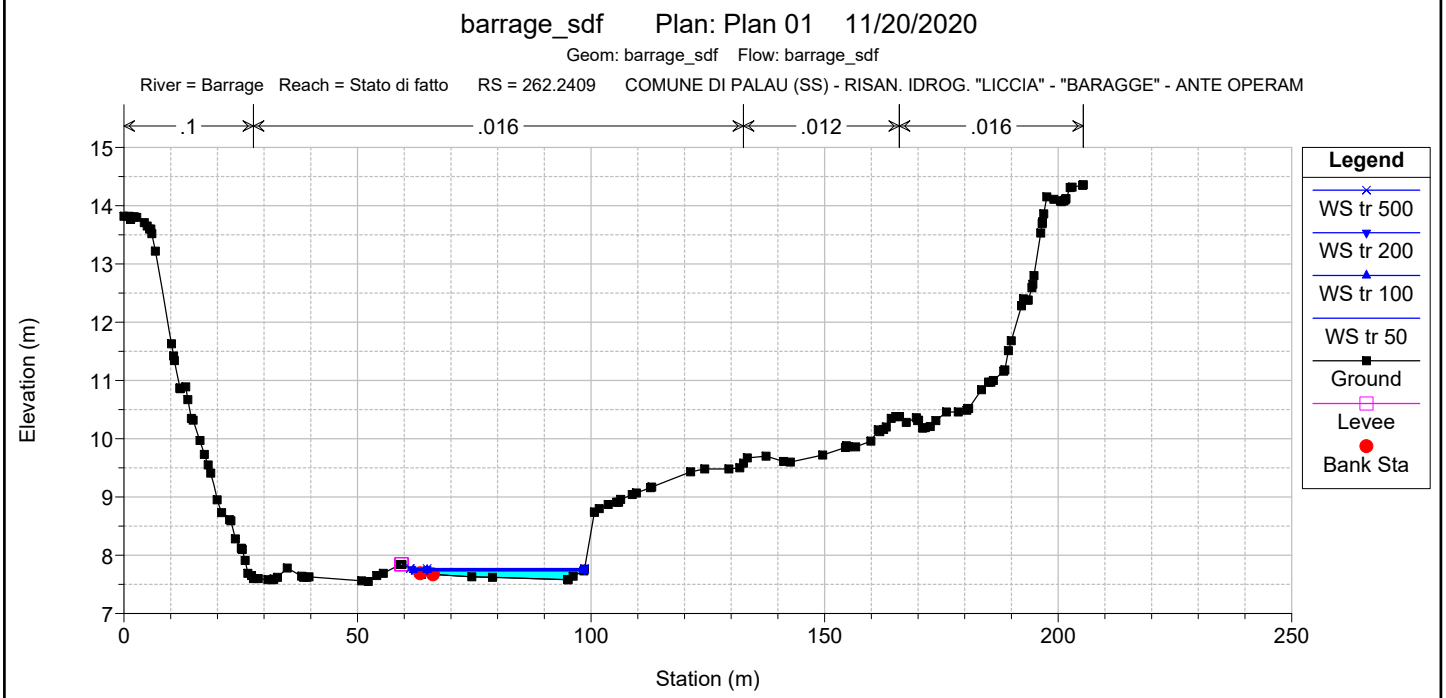

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 389.5841 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

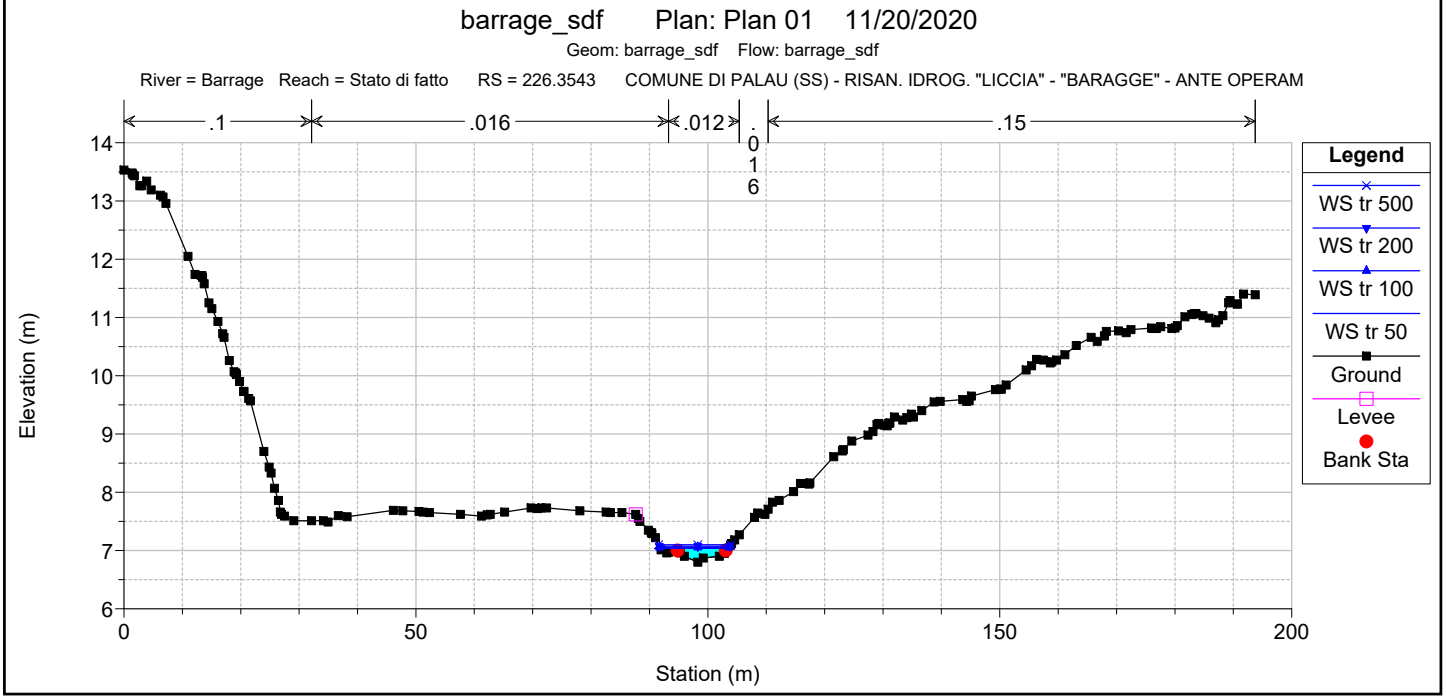

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 360.3735 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

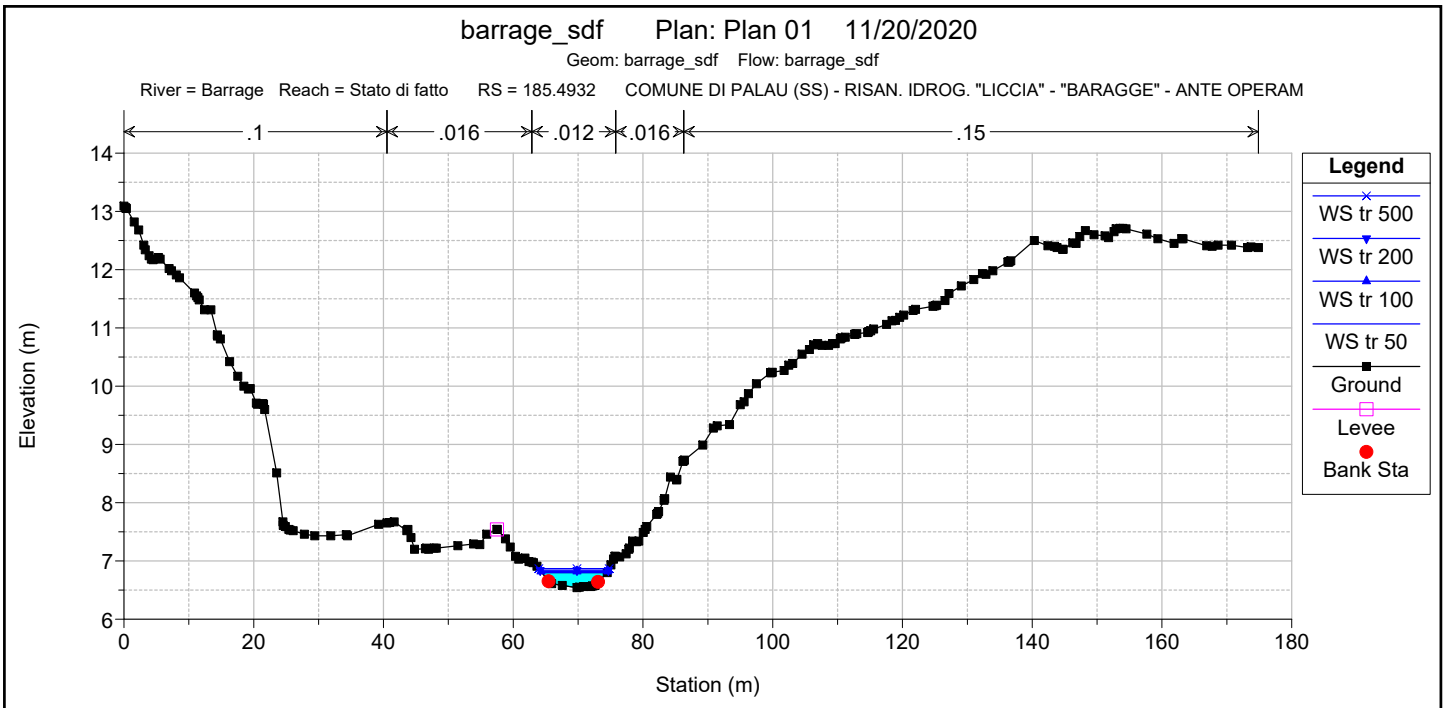

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 331.7984 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

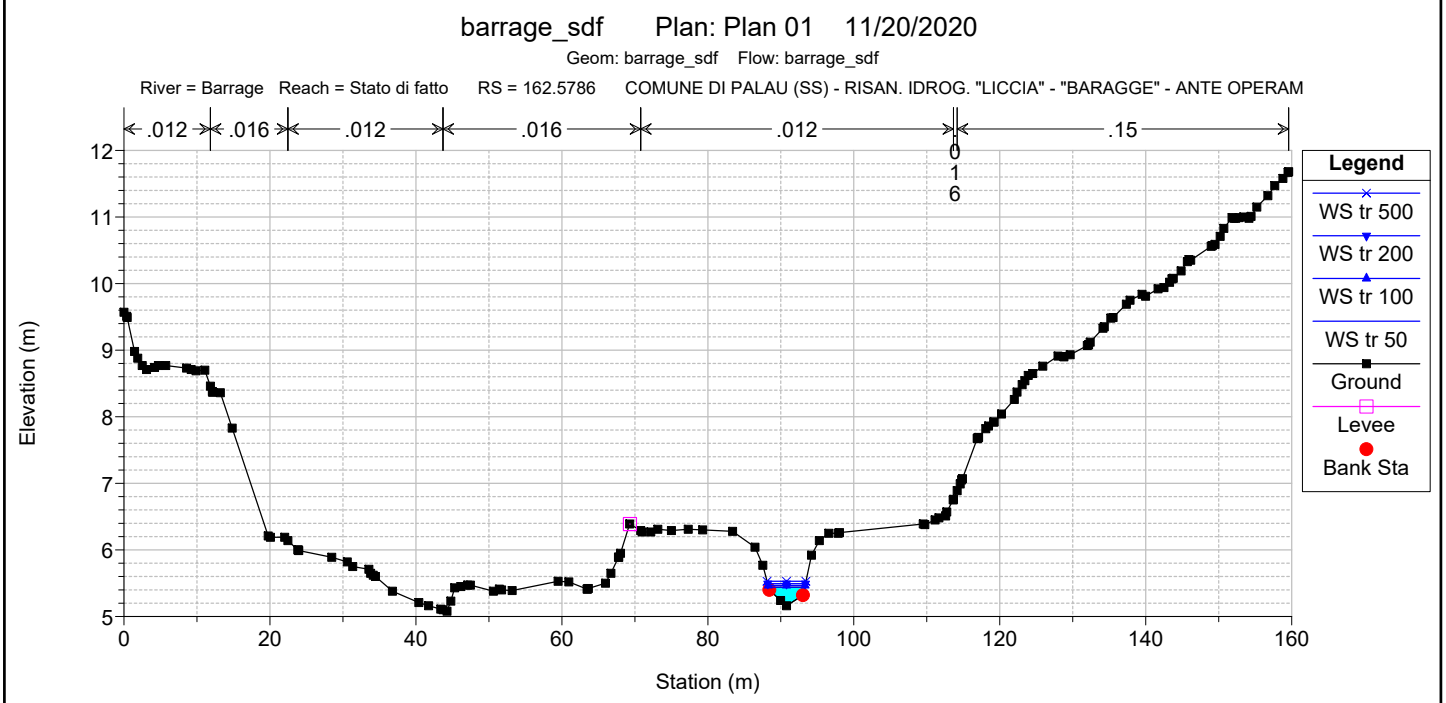

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 317.2121 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

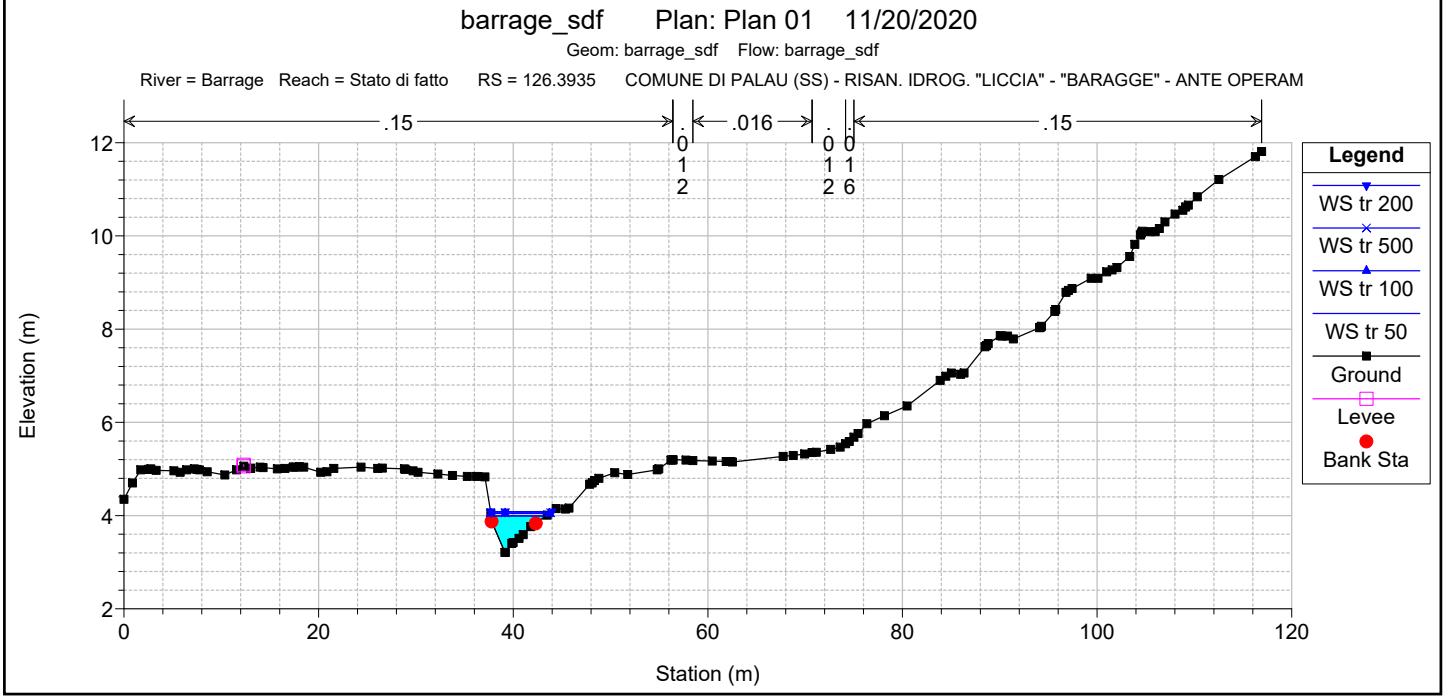

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 289.8352 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.1
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

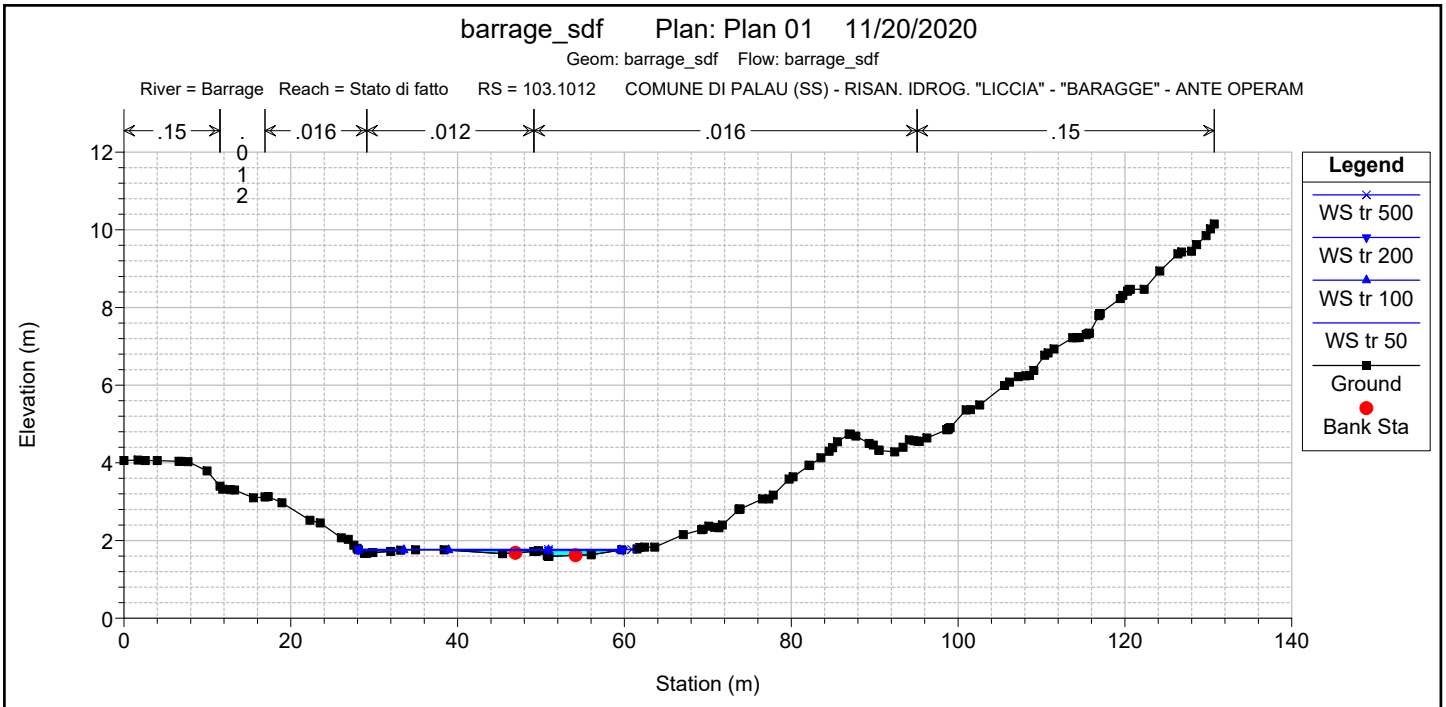

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 262.2409 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

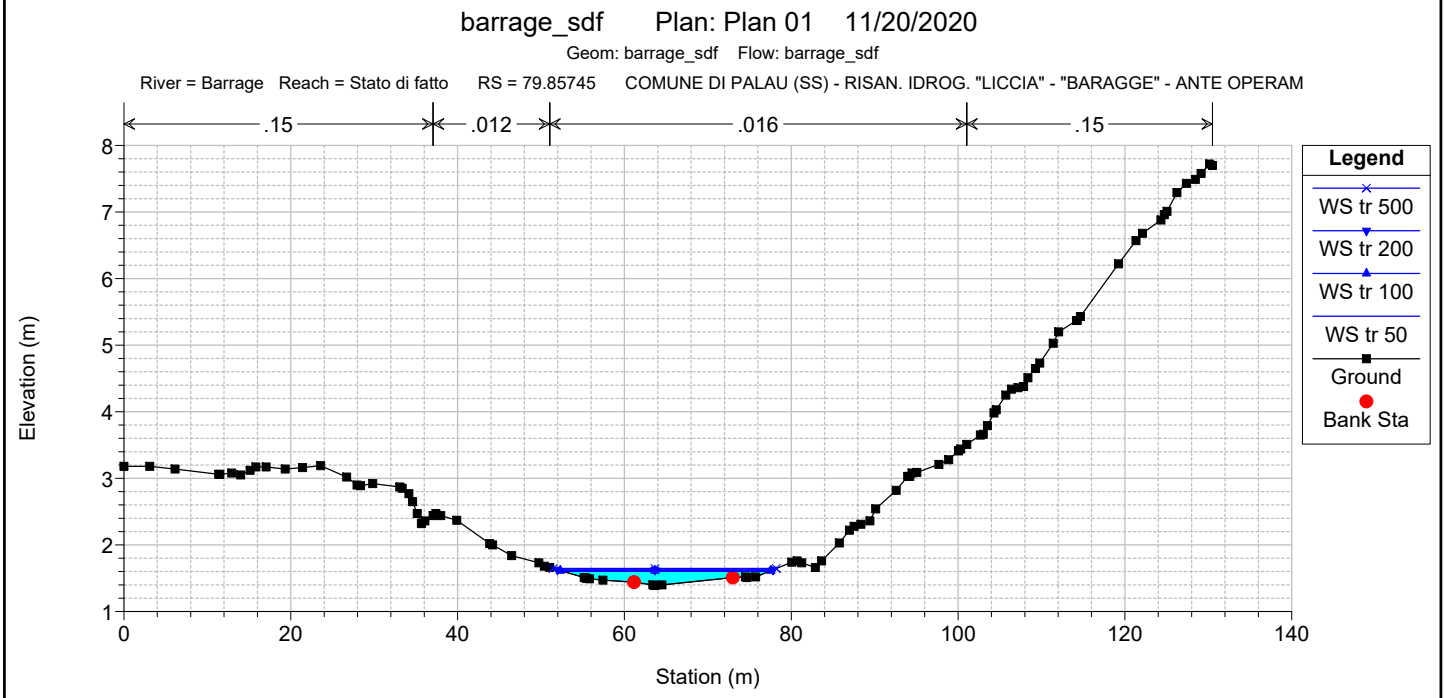

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 226.3543 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.012
.016
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

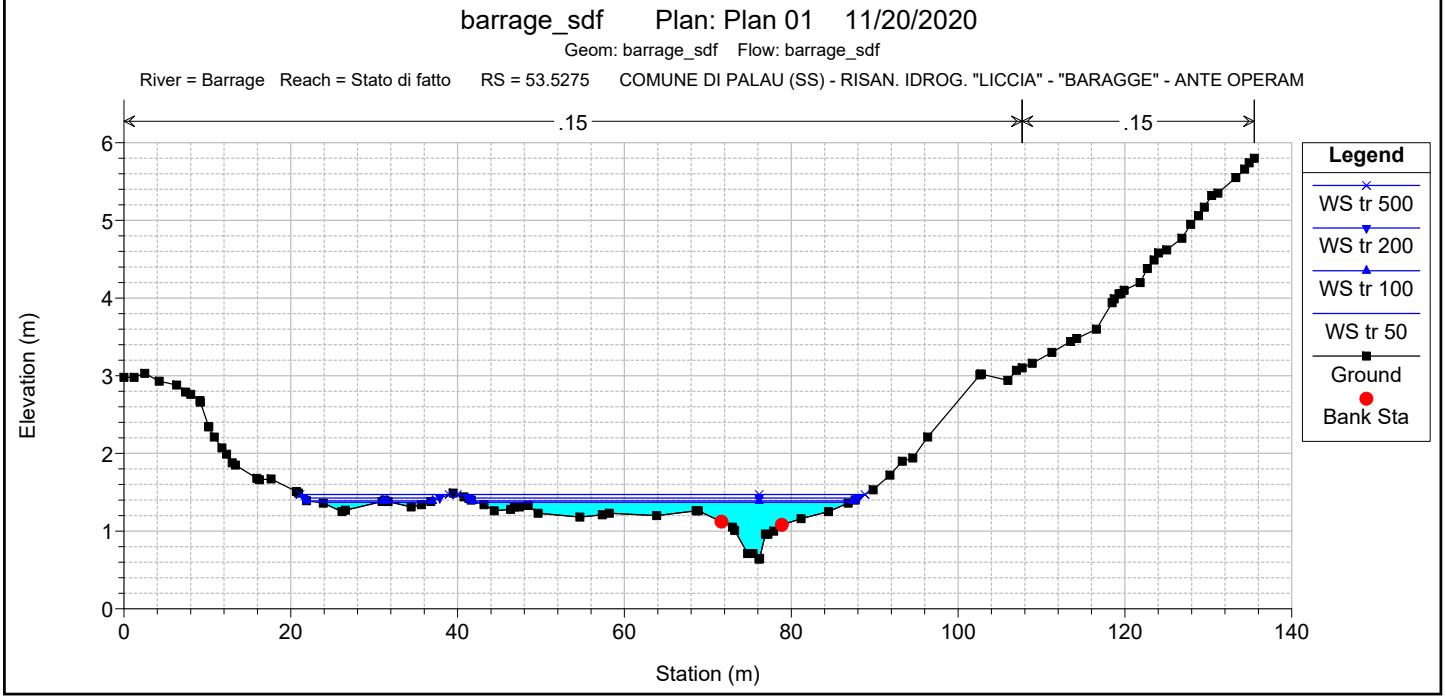

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 185.4932 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
.016
.012
.016
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

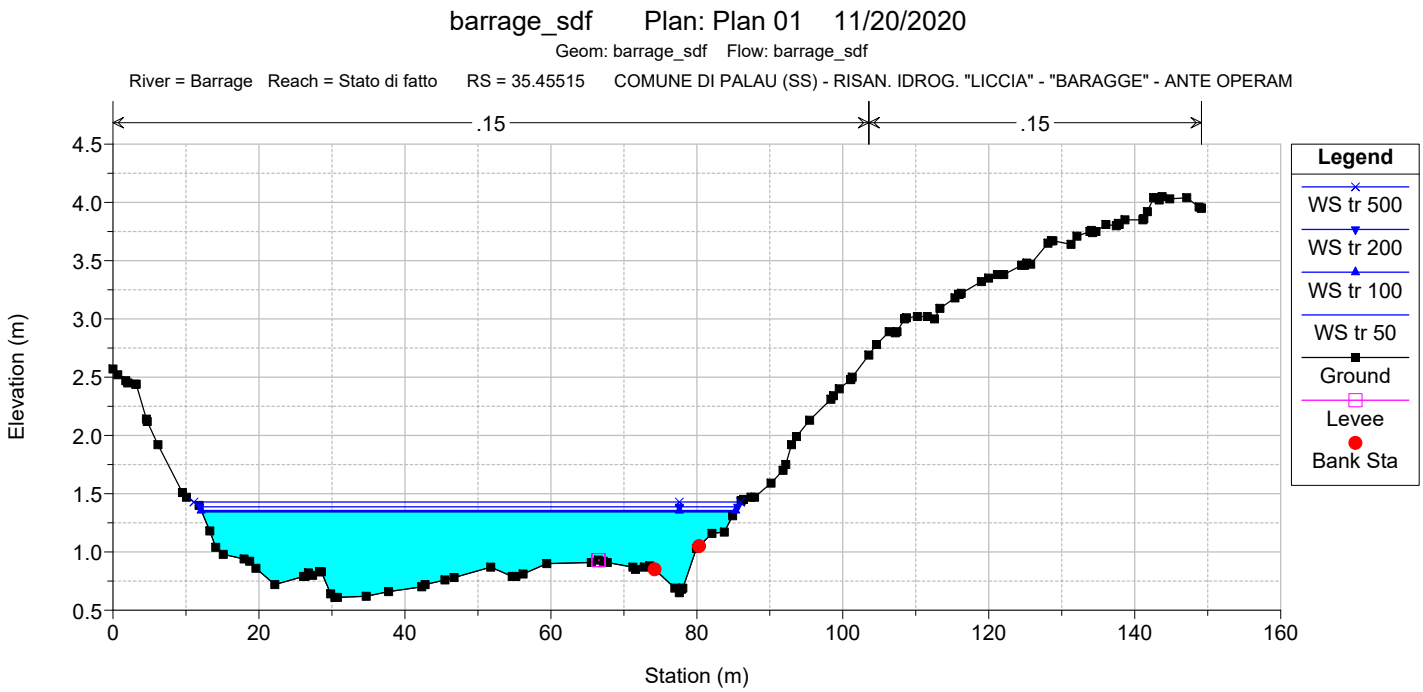

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 162.5786 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.016
.012
.016
.012
.016
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

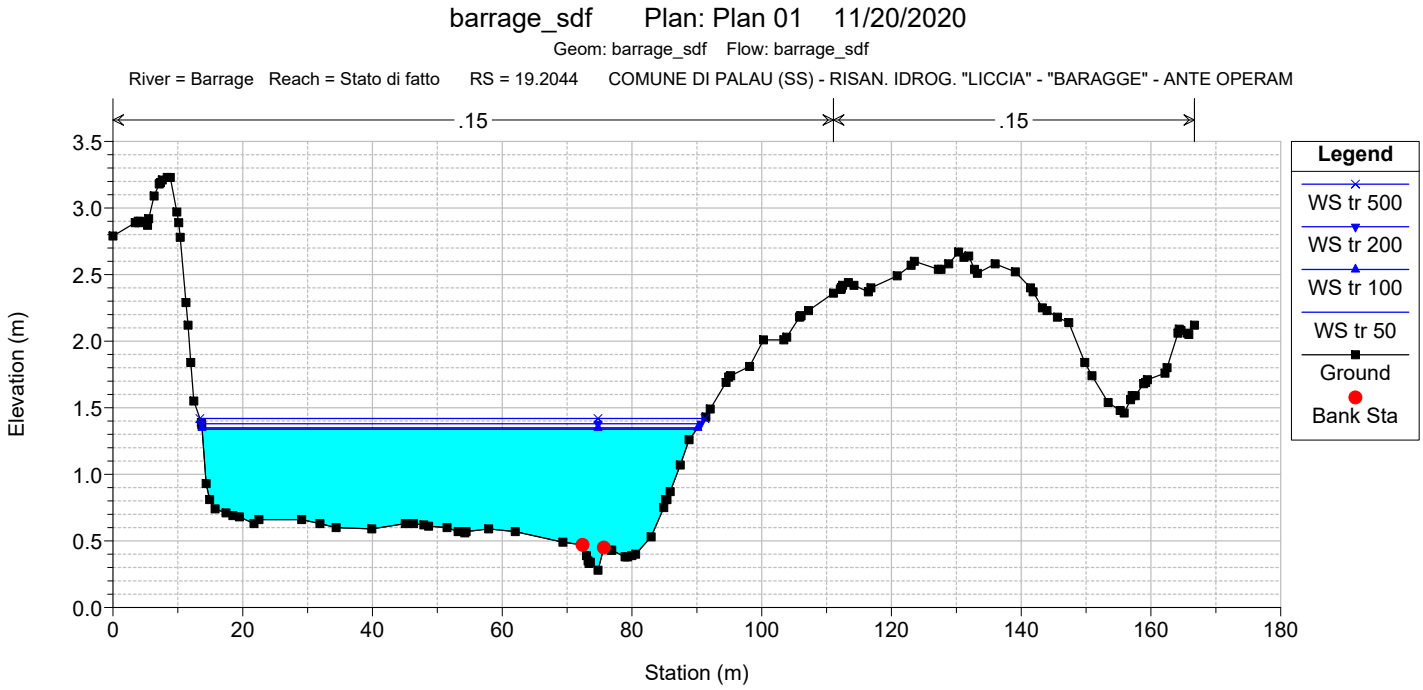

barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 126.3935 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.016
.15
Elevation (m)
Station (m)
Legend
WS tr 200
WS tr 500
WS tr 100
WS tr 50
Ground
Levee
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 103.1012 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.012
.016
.012
.016
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 79.85745 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.012
.016
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 53.5275 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 35.45515 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta


barrage_sdf Plan: Plan 01 11/20/2020
Geom: barrage_sdf Flow: barrage_sdf
River = Barrage Reach = Stato di fatto RS = 19.2044 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

HEC-RAS Plan: sdf River: Barrage Reach: Stato di fatto

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Stato di fatto	1250.409	tr 50	2.33	87.01	87.33	87.33	87.42	0.157760	1.50	1.83	10.62	0.99
Stato di fatto	1250.409	tr 100	2.72	87.01	87.35	87.35	87.44	0.152682	1.55	2.05	10.83	0.98
Stato di fatto	1250.409	tr 200	3.11	87.01	87.37	87.37	87.47	0.151503	1.62	2.25	11.03	0.99
Stato di fatto	1250.409	tr 500	3.69	87.01	87.39	87.39	87.51	0.147449	1.70	2.53	11.30	0.99
Stato di fatto	1239.422	tr 50	2.33	84.46	84.91	84.98	85.19	0.272524	2.32	1.01	3.50	1.33
Stato di fatto	1239.422	tr 100	2.72	84.46	84.94	85.03	85.25	0.273057	2.46	1.12	3.70	1.35
Stato di fatto	1239.422	tr 200	3.11	84.46	84.97	85.07	85.31	0.265845	2.58	1.23	3.90	1.35
Stato di fatto	1239.422	tr 500	3.69	84.46	85.01	85.12	85.39	0.261347	2.74	1.39	4.17	1.37
Stato di fatto	1225.593	tr 50	2.33	83.41	84.09	83.92	84.15	0.033332	1.11	2.24	5.67	0.51
Stato di fatto	1225.593	tr 100	2.72	83.41	84.13	83.95	84.20	0.033239	1.17	2.49	5.92	0.51
Stato di fatto	1225.593	tr 200	3.11	83.41	84.16	83.99	84.23	0.035929	1.26	2.66	6.04	0.54
Stato di fatto	1225.593	tr 500	3.69	83.41	84.20	84.03	84.29	0.038727	1.37	2.91	6.23	0.56
Stato di fatto	1216.084	tr 50	2.33	83.11	83.56	83.52	83.66	0.084411	1.48	1.74	7.02	0.78
Stato di fatto	1216.084	tr 100	2.72	83.11	83.58	83.56	83.70	0.088642	1.59	1.95	9.82	0.81
Stato di fatto	1216.084	tr 200	3.11	83.11	83.62	83.62	83.74	0.080159	1.60	2.36	11.23	0.78
Stato di fatto	1216.084	tr 500	3.69	83.11	83.66	83.66	83.78	0.077821	1.66	2.76	11.65	0.78
Stato di fatto	1205.494	tr 50	2.33	82.07	82.33	82.33	82.42	0.172739	1.36	1.72	9.49	1.00
Stato di fatto	1205.494	tr 100	2.72	82.07	82.35	82.35	82.45	0.164083	1.42	1.93	9.70	0.99
Stato di fatto	1205.494	tr 200	3.11	82.07	82.35	82.37	82.48	0.198136	1.58	1.98	9.75	1.09
Stato di fatto	1205.494	tr 500	3.69	82.07	82.38	82.40	82.52	0.199149	1.69	2.20	9.97	1.11
Stato di fatto	1188.872	tr 50	2.33	79.39	79.73	79.73	79.86	0.129315	1.63	1.52	5.89	0.94
Stato di fatto	1188.872	tr 100	2.72	79.39	79.75	79.76	79.90	0.143877	1.78	1.62	6.01	1.00
Stato di fatto	1188.872	tr 200	3.11	79.39	79.79	79.79	79.94	0.126135	1.80	1.86	6.27	0.95
Stato di fatto	1188.872	tr 500	3.69	79.39	79.83	79.83	80.00	0.120270	1.88	2.12	6.55	0.95
Stato di fatto	1171.553	tr 50	2.33	76.73	77.23	77.23	77.36	0.162629	1.61	1.45	5.74	1.01
Stato di fatto	1171.553	tr 100	2.72	76.73	77.26	77.26	77.40	0.155165	1.68	1.63	6.09	1.00
Stato di fatto	1171.553	tr 200	3.11	76.73	77.27	77.29	77.44	0.167302	1.81	1.73	6.23	1.05
Stato di fatto	1171.553	tr 500	3.69	76.73	77.30	77.32	77.50	0.176936	1.97	1.90	6.43	1.10
Stato di fatto	1156.13	tr 50	2.33	74.69	75.16	75.13	75.23	0.094124	1.28	2.00	9.45	0.78
Stato di fatto	1156.13	tr 100	2.72	74.69	75.18	75.15	75.26	0.094674	1.33	2.23	9.95	0.79
Stato di fatto	1156.13	tr 200	3.11	74.69	75.20	75.18	75.29	0.095154	1.39	2.47	10.43	0.80
Stato di fatto	1156.13	tr 500	3.69	74.69	75.24	75.21	75.33	0.095645	1.46	2.81	11.06	0.81
Stato di fatto	1144.224	tr 50	2.33	73.52	73.91	73.91	74.00	0.113111	1.46	1.86	10.01	0.87
Stato di fatto	1144.224	tr 100	2.72	73.52	73.93	73.93	74.03	0.112727	1.52	2.08	10.23	0.88
Stato di fatto	1144.224	tr 200	3.11	73.52	73.95	73.95	74.06	0.112225	1.59	2.30	10.45	0.88
Stato di fatto	1144.224	tr 500	3.69	73.52	73.98	73.98	74.10	0.111435	1.67	2.60	10.75	0.89
Stato di fatto	1130.362	tr 50	2.33	71.90	72.22	72.20	72.30	0.111310	1.22	1.92	8.77	0.82
Stato di fatto	1130.362	tr 100	2.72	71.90	72.24	72.22	72.33	0.114205	1.31	2.09	8.86	0.84
Stato di fatto	1130.362	tr 200	3.11	71.90	72.26	72.24	72.36	0.117554	1.39	2.26	8.95	0.87
Stato di fatto	1130.362	tr 500	3.69	71.90	72.29	72.27	72.40	0.116975	1.48	2.52	9.09	0.88
Stato di fatto	1109.101	tr 50	2.33	68.90	69.56	69.56	69.71	0.132873	1.76	1.37	4.89	0.94
Stato di fatto	1109.101	tr 100	2.72	68.90	69.60	69.60	69.76	0.127268	1.81	1.56	5.11	0.93
Stato di fatto	1109.101	tr 200	3.11	68.90	69.63	69.63	69.81	0.122052	1.86	1.76	5.32	0.93
Stato di fatto	1109.101	tr 500	3.69	68.90	69.68	69.68	69.87	0.120490	1.95	2.01	5.58	0.93
Stato di fatto	1091.481	tr 50	2.33	66.74	67.28	67.27	67.40	0.115617	1.56	1.56	7.01	0.88
Stato di fatto	1091.481	tr 100	2.72	66.74	67.29	67.31	67.44	0.137518	1.74	1.64	7.12	0.97
Stato di fatto	1091.481	tr 200	3.11	66.74	67.32	67.34	67.48	0.141327	1.84	1.80	7.33	0.99
Stato di fatto	1091.481	tr 500	3.69	66.74	67.34	67.37	67.53	0.146139	1.98	2.02	7.59	1.02
Stato di fatto	1073.549	tr 50	2.33	64.73	65.07	65.07	65.16	0.134464	1.39	1.82	10.06	0.92
Stato di fatto	1073.549	tr 100	2.72	64.73	65.09	65.09	65.19	0.132168	1.46	2.03	10.24	0.92
Stato di fatto	1073.549	tr 200	3.11	64.73	65.11	65.11	65.22	0.130346	1.53	2.23	10.39	0.93
Stato di fatto	1073.549	tr 500	3.69	64.73	65.14	65.14	65.26	0.122547	1.59	2.55	10.62	0.92
Stato di fatto	1055.389	tr 50	2.33	61.68	62.12	62.06	62.19	0.063906	1.19	2.12	8.97	0.67
Stato di fatto	1055.389	tr 100	2.72	61.68	62.14	62.08	62.22	0.065227	1.26	2.35	9.35	0.68
Stato di fatto	1055.389	tr 200	3.11	61.68	62.17	62.11	62.25	0.065817	1.33	2.59	9.72	0.69
Stato di fatto	1055.389	tr 500	3.69	61.68	62.20	62.15	62.30	0.065824	1.41	2.93	10.22	0.70
Stato di fatto	1037.533	tr 50	2.33	59.95	60.43	60.43	60.58	0.134321	1.72	1.42	5.09	0.96
Stato di fatto	1037.533	tr 100	2.72	59.95	60.47	60.47	60.62	0.128671	1.80	1.59	5.24	0.95
Stato di fatto	1037.533	tr 200	3.11	59.95	60.50	60.50	60.67	0.124366	1.87	1.76	5.39	0.95
Stato di fatto	1037.533	tr 500	3.69	59.95	60.54	60.54	60.73	0.120674	1.98	2.00	5.58	0.95
Stato di fatto	1020.66	tr 50	2.33	57.40	57.88	57.88	57.99	0.175791	1.42	1.66	8.64	1.01
Stato di fatto	1020.66	tr 100	2.72	57.40	57.90	57.91	58.02	0.187263	1.52	1.80	9.00	1.05
Stato di fatto	1020.66	tr 200	3.11	57.40	57.92	57.93	58.05	0.197741	1.61	1.95	9.34	1.09
Stato di fatto	1020.66	tr 500	3.69	57.40	57.94	57.96	58.09	0.209016	1.74	2.16	9.87	1.13

HEC-RAS Plan: sdf River: Barrage Reach: Stato di fatto (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Stato di fatto	1003.019	tr 50	2.33	53.64	54.05	54.09	54.23	0.262053	1.89	1.26	5.92	1.27
Stato di fatto	1003.019	tr 100	2.72	53.64	54.08	54.12	54.27	0.242214	1.95	1.43	6.20	1.24
Stato di fatto	1003.019	tr 200	3.11	53.64	54.11	54.15	54.31	0.227196	2.01	1.59	6.44	1.22
Stato di fatto	1003.019	tr 500	3.69	53.64	54.14	54.19	54.36	0.213301	2.11	1.82	6.79	1.21
Stato di fatto	982.6298	tr 50	2.33	51.06	51.52	51.52	51.69	0.149696	1.78	1.31	4.36	1.00
Stato di fatto	982.6298	tr 100	2.72	51.06	51.57	51.57	51.73	0.130709	1.79	1.55	5.41	0.95
Stato di fatto	982.6298	tr 200	3.11	51.06	51.61	51.61	51.78	0.116860	1.81	1.79	5.80	0.91
Stato di fatto	982.6298	tr 500	3.69	51.06	51.66	51.66	51.84	0.111271	1.90	2.06	6.00	0.91
Stato di fatto	960.3664	tr 50	2.33	47.28	47.64	47.64	47.75	0.147667	1.47	1.62	7.96	0.96
Stato di fatto	960.3664	tr 100	2.72	47.28	47.67	47.67	47.67	0.000420	0.09	16.56	25.99	0.05
Stato di fatto	960.3664	tr 200	3.11	47.28	47.67	47.67	47.67	0.000552	0.10	16.56	25.99	0.06
Stato di fatto	960.3664	tr 500	3.69	47.28	47.67	47.67	47.67	0.000775	0.12	16.56	25.99	0.07
Stato di fatto	943.3704	tr 50	2.33	43.99	44.42	44.29	44.45	0.030144	0.79	3.02	10.17	0.45
Stato di fatto	943.3704	tr 100	2.72	43.99	44.13	44.31	47.32	22.018910	6.72	0.36	5.76	9.19
Stato di fatto	943.3704	tr 200	3.11	43.99	44.13	44.33	47.32	20.090100	6.76	0.41	6.16	8.89
Stato di fatto	943.3704	tr 500	3.69	43.99	44.15	44.35	47.30	17.929600	6.79	0.49	6.71	8.53
Stato di fatto	924.5457	tr 50	2.33	42.97	43.34	43.33	43.42	0.117574	1.42	2.01	10.64	0.87
Stato di fatto	924.5457	tr 100	2.72	42.97	43.36	43.35	43.44	0.118815	1.49	2.20	10.73	0.88
Stato di fatto	924.5457	tr 200	3.11	42.97	43.38	43.36	43.47	0.112872	1.52	2.44	10.85	0.87
Stato di fatto	924.5457	tr 500	3.69	42.97	43.41	43.39	43.51	0.114531	1.61	2.71	10.98	0.89
Stato di fatto	908.0085	tr 50	2.33	40.73	41.16	41.16	41.24	0.143856	1.36	1.89	10.74	0.93
Stato di fatto	908.0085	tr 100	2.72	40.73	41.18	41.18	41.27	0.141875	1.43	2.09	10.84	0.94
Stato di fatto	908.0085	tr 200	3.11	40.73	41.19	41.19	41.29	0.150288	1.53	2.24	10.92	0.98
Stato di fatto	908.0085	tr 500	3.69	40.73	41.21	41.21	41.33	0.147774	1.61	2.51	11.06	0.98
Stato di fatto	888.5711	tr 50	2.33	39.40	39.95	39.75	39.98	0.017895	0.81	3.27	8.95	0.38
Stato di fatto	888.5711	tr 100	2.72	39.40	39.99	39.78	40.02	0.018035	0.86	3.61	9.17	0.38
Stato di fatto	888.5711	tr 200	3.11	39.40	40.03	39.80	40.06	0.018181	0.90	3.95	9.30	0.39
Stato di fatto	888.5711	tr 500	3.69	39.40	40.08	39.83	40.11	0.018455	0.96	4.39	9.49	0.40
Stato di fatto	860.0985	tr 50	2.33	38.49	38.83	38.81	38.90	0.133475	1.12	2.09	13.26	0.87
Stato di fatto	860.0985	tr 100	2.72	38.49	38.85	38.84	38.92	0.139068	1.15	2.39	16.29	0.89
Stato di fatto	860.0985	tr 200	3.11	38.49	38.87	38.86	38.94	0.144248	1.23	2.59	17.33	0.91
Stato di fatto	860.0985	tr 500	3.69	38.49	38.88	38.88	38.97	0.150068	1.33	2.88	18.09	0.94
Stato di fatto	843.6757	tr 50	2.33	35.93	36.36	36.36	36.50	0.158751	1.64	1.42	5.44	1.01
Stato di fatto	843.6757	tr 100	2.72	35.93	36.40	36.40	36.54	0.149875	1.71	1.59	5.67	1.00
Stato di fatto	843.6757	tr 200	3.11	35.93	36.43	36.43	36.59	0.142017	1.78	1.77	5.91	0.99
Stato di fatto	843.6757	tr 500	3.69	35.93	36.47	36.47	36.64	0.133201	1.86	2.02	6.22	0.98
Stato di fatto	829.6321	tr 50	2.33	34.40	34.75	34.68	34.78	0.060323	0.85	2.77	13.82	0.60
Stato di fatto	829.6321	tr 100	2.72	34.40	34.76	34.70	34.81	0.064089	0.91	2.99	13.92	0.62
Stato di fatto	829.6321	tr 200	3.11	34.40	34.79	34.72	34.83	0.062637	0.95	3.28	14.06	0.63
Stato di fatto	829.6321	tr 500	3.69	34.40	34.81	34.74	34.86	0.067428	1.04	3.56	14.20	0.66
Stato di fatto	810.915	tr 50	2.33	33.01	33.34	33.31	33.42	0.089378	1.29	1.95	8.81	0.77
Stato di fatto	810.915	tr 100	2.72	33.01	33.37	33.33	33.45	0.081934	1.33	2.24	9.31	0.75
Stato di fatto	810.915	tr 200	3.11	33.01	33.39	33.36	33.48	0.082769	1.40	2.46	9.66	0.77
Stato di fatto	810.915	tr 500	3.69	33.01	33.43	33.39	33.53	0.074798	1.44	2.87	10.19	0.74
Stato di fatto	795.4536	tr 50	2.33	31.57	31.92	31.88	32.00	0.093678	1.33	1.89	7.95	0.79
Stato di fatto	795.4536	tr 100	2.72	31.57	31.93	31.91	32.03	0.103275	1.45	2.02	8.08	0.84
Stato di fatto	795.4536	tr 200	3.11	31.57	31.96	31.94	32.07	0.101770	1.52	2.23	8.27	0.84
Stato di fatto	795.4536	tr 500	3.69	31.57	31.98	31.97	32.11	0.114601	1.67	2.40	8.43	0.91
Stato di fatto	779.6417	tr 50	2.33	29.77	30.14	30.14	30.24	0.135332	1.40	1.77	10.03	0.92
Stato di fatto	779.6417	tr 100	2.72	29.77	30.17	30.17	30.27	0.121112	1.42	2.07	11.05	0.89
Stato di fatto	779.6417	tr 200	3.11	29.77	30.19	30.19	30.29	0.123781	1.50	2.27	11.55	0.91
Stato di fatto	779.6417	tr 500	3.69	29.77	30.22	30.22	30.33	0.109837	1.53	2.71	12.92	0.87
Stato di fatto	759.2047	tr 50	2.33	26.84	27.16	27.17	27.28	0.153248	1.65	1.66	8.70	1.01
Stato di fatto	759.2047	tr 100	2.72	26.84	27.17	27.20	27.31	0.172523	1.81	1.77	8.93	1.08
Stato di fatto	759.2047	tr 200	3.11	26.84	27.20	27.22	27.34	0.167587	1.87	1.98	9.32	1.07
Stato di fatto	759.2047	tr 500	3.69	26.84	27.21	27.25	27.39	0.192089	2.07	2.12	9.58	1.16
Stato di fatto	743.2502	tr 50	2.33	24.10	25.05	24.57	25.10	0.018954	0.95	2.45	2.93	0.33
Stato di fatto	743.2502	tr 100	2.72	24.10	25.12	24.62	25.17	0.020671	1.03	2.65	2.99	0.35
Stato di fatto	743.2502	tr 200	3.11	24.10	25.22	24.67	25.28	0.020116	1.05	2.95	3.06	0.34
Stato di fatto	743.2502	tr 500	3.69	24.10	25.40	24.73	25.46	0.017455	1.05	3.52	3.21	0.32
Stato di fatto	730		Culvert									
Stato di fatto	720.3209	tr 50	3.10	24.05	24.90		24.99	0.001006	1.33	2.33	3.39	0.51
Stato di fatto	720.3209	tr 100	3.65	24.05	24.91		25.03	0.001327	1.54	2.37	3.40	0.59
Stato di fatto	720.3209	tr 200	4.21	24.05	24.92		25.08	0.001704	1.75	2.40	3.42	0.67

HEC-RAS Plan: sdf River: Barrage Reach: Stato di fatto (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Stato di fatto	720.3209	tr 500	5.02	24.05	24.92		25.14	0.002399	2.08	2.41	3.42	0.79
Stato di fatto	682.7264	tr 50	3.10	24.03	24.81	24.81	24.93	0.003080	1.50	2.24	12.83	0.88
Stato di fatto	682.7264	tr 100	3.65	24.03	24.86	24.86	24.96	0.002361	1.45	2.96	17.43	0.78
Stato di fatto	682.7264	tr 200	4.21	24.03	24.89	24.89	24.99	0.002125	1.45	3.52	19.06	0.76
Stato di fatto	682.7264	tr 500	5.02	24.03	24.92	24.92	25.02	0.002220	1.55	4.00	20.33	0.78
Stato di fatto	664.0527	tr 50	3.10	22.43	22.67	22.91	24.58	0.093559	6.33	0.54	3.98	4.61
Stato di fatto	664.0527	tr 100	3.65	22.43	22.70	22.95	24.64	0.084198	6.46	0.64	4.61	4.46
Stato di fatto	664.0527	tr 200	4.21	22.43	22.72	22.98	24.68	0.076419	6.57	0.74	5.22	4.32
Stato di fatto	664.0527	tr 500	5.02	22.43	22.75	23.01	24.72	0.068368	6.69	0.90	6.08	4.16
Stato di fatto	644.244	tr 50	3.10	21.91	22.04	22.16	22.71	0.062474	3.67	0.87	12.70	4.31
Stato di fatto	644.244	tr 100	3.65	21.91	22.05	22.17	22.83	0.065598	3.97	0.95	13.09	4.47
Stato di fatto	644.244	tr 200	4.21	21.91	22.05	22.19	22.94	0.067368	4.23	1.04	13.49	4.59
Stato di fatto	644.244	tr 500	5.02	21.91	22.06	22.22	23.08	0.068348	4.55	1.16	14.04	4.70
Stato di fatto	613.072	tr 50	3.10	21.74	21.94	21.99	22.09	0.006446	1.90	1.98	16.33	1.49
Stato di fatto	613.072	tr 100	3.65	21.74	21.95	22.01	22.13	0.007350	2.10	2.11	16.48	1.60
Stato di fatto	613.072	tr 200	4.21	21.74	21.96	22.02	22.17	0.008201	2.28	2.24	16.63	1.70
Stato di fatto	613.072	tr 500	5.02	21.74	21.97	22.05	22.23	0.009328	2.53	2.43	17.34	1.83
Stato di fatto	576.6425	tr 50	3.10	20.12	20.30	20.35	21.44	0.066994	4.82	0.67	6.95	4.73
Stato di fatto	576.6425	tr 100	3.65	20.12	20.31	20.35	21.45	0.057841	4.82	0.79	7.39	4.48
Stato di fatto	576.6425	tr 200	4.21	20.12	20.33	20.35	21.47	0.051014	4.83	0.92	7.92	4.28
Stato di fatto	576.6425	tr 500	5.02	20.12	20.33	20.35	22.07	0.080419	5.97	0.88	7.78	5.35
Stato di fatto	532.6144	tr 50	3.10	18.32	18.51	18.63	18.95	0.041274	2.98	1.24	13.11	2.82
Stato di fatto	532.6144	tr 100	3.65	18.32	18.52	18.65	19.04	0.044831	3.24	1.36	13.45	2.97
Stato di fatto	532.6144	tr 200	4.21	18.32	18.52	18.67	19.13	0.048121	3.49	1.48	13.77	3.11
Stato di fatto	532.6144	tr 500	5.02	18.32	18.54	18.70	19.19	0.043816	3.60	1.74	14.45	3.02
Stato di fatto	507.6434	tr 50	3.10	17.22	17.47	17.64	18.08	0.029233	3.45	0.90	4.94	2.55
Stato di fatto	507.6434	tr 100	3.65	17.22	17.49	17.67	18.16	0.027800	3.61	1.01	5.13	2.53
Stato di fatto	507.6434	tr 200	4.21	17.22	17.51	17.73	18.24	0.026926	3.78	1.12	5.31	2.52
Stato di fatto	507.6434	tr 500	5.02	17.22	17.54	17.77	18.34	0.025817	3.98	1.28	5.55	2.51
Stato di fatto	486.0954	tr 50	3.10	14.68	15.03	15.36	16.92	0.089866	6.10	0.51	2.62	4.43
Stato di fatto	486.0954	tr 100	3.65	14.68	15.05	15.42	17.05	0.084916	6.27	0.58	2.76	4.36
Stato di fatto	486.0954	tr 200	4.21	14.68	15.08	15.45	17.17	0.080626	6.40	0.66	2.90	4.29
Stato di fatto	486.0954	tr 500	5.02	14.68	15.11	15.49	17.32	0.075754	6.58	0.76	3.08	4.22
Stato di fatto	452.2512	tr 50	3.10	13.44	13.56	13.63	13.88	0.065125	2.47	1.25	20.51	3.20
Stato di fatto	452.2512	tr 100	3.65	13.44	13.57	13.65	13.94	0.071071	2.70	1.35	20.65	3.38
Stato di fatto	452.2512	tr 200	4.21	13.44	13.57	13.67	14.01	0.076975	2.92	1.44	20.78	3.55
Stato di fatto	452.2512	tr 500	5.02	13.44	13.58	13.69	14.11	0.084741	3.22	1.56	20.95	3.77
Stato di fatto	416.4681	tr 50	3.10	12.73	12.94	12.98	13.06	0.010373	1.67	2.27	28.71	1.45
Stato di fatto	416.4681	tr 100	3.65	12.73	12.95	12.99	13.08	0.010582	1.76	2.54	30.75	1.49
Stato di fatto	416.4681	tr 200	4.21	12.73	12.96	13.00	13.10	0.010864	1.86	2.80	32.60	1.52
Stato di fatto	416.4681	tr 500	5.02	12.73	12.97	13.01	13.13	0.011270	1.98	3.15	33.69	1.56
Stato di fatto	389.5841	tr 50	3.10	10.61	10.66	10.76	12.06	0.623618	5.24	0.59	17.39	9.00
Stato di fatto	389.5841	tr 100	3.65	10.61	10.67	10.78	12.07	0.566246	5.25	0.70	18.97	8.68
Stato di fatto	389.5841	tr 200	4.21	10.61	10.67	10.79	12.08	0.506981	5.27	0.80	20.09	8.34
Stato di fatto	389.5841	tr 500	5.02	10.61	10.68	10.81	12.10	0.423519	5.30	0.95	20.76	7.80
Stato di fatto	360.3735	tr 50	3.10	10.02	10.27	10.37	10.58	0.012911	2.48	1.29	7.97	1.86
Stato di fatto	360.3735	tr 100	3.65	10.02	10.29	10.40	10.63	0.012698	2.60	1.45	8.38	1.88
Stato di fatto	360.3735	tr 200	4.21	10.02	10.31	10.42	10.68	0.012516	2.72	1.61	8.77	1.90
Stato di fatto	360.3735	tr 500	5.02	10.02	10.33	10.46	10.74	0.012409	2.88	1.83	9.26	1.91
Stato di fatto	331.7984	tr 50	3.10	8.21	8.42	8.58	9.22	3.311021	3.97	0.78	7.63	3.96
Stato di fatto	331.7984	tr 100	3.65	8.21	8.43	8.60	9.29	3.116820	4.12	0.89	7.84	3.91
Stato di fatto	331.7984	tr 200	4.21	8.21	8.44	8.62	9.36	2.948064	4.24	0.99	8.05	3.86
Stato di fatto	331.7984	tr 500	5.02	8.21	8.46	8.65	9.44	2.702126	4.38	1.15	8.35	3.76
Stato di fatto	317.2121	tr 50	3.82	7.50	8.07	8.07	8.22	0.115215	1.74	2.39	9.11	0.91
Stato di fatto	317.2121	tr 100	4.46	7.50	8.13	8.13	8.26	0.091727	1.70	3.01	13.33	0.83
Stato di fatto	317.2121	tr 200	5.13	7.50	8.16	8.16	8.30	0.086973	1.74	3.48	14.05	0.82
Stato di fatto	317.2121	tr 500	6.09	7.50	8.20	8.20	8.35	0.085756	1.83	4.05	14.84	0.82
Stato di fatto	289.8352	tr 50	3.82	6.81	7.80	7.26	7.80	0.000144	0.25	14.85	35.48	0.08
Stato di fatto	289.8352	tr 100	4.46	6.81	7.82	7.30	7.82	0.000169	0.27	15.48	35.67	0.09
Stato di fatto	289.8352	tr 200	5.13	6.81	7.83	7.33	7.84	0.000194	0.29	16.11	35.84	0.10
Stato di fatto	289.8352	tr 500	6.09	6.81	7.86	7.43	7.87	0.000226	0.32	16.97	36.07	0.10
Stato di fatto	262.2409	tr 50	3.82	7.67	7.73	7.73	7.79	0.004954	0.70	3.81	36.21	0.89
Stato di fatto	262.2409	tr 100	4.46	7.67	7.75	7.75	7.80	0.004707	0.77	4.27	36.59	0.89
Stato di fatto	262.2409	tr 200	5.13	7.67	7.76	7.76	7.82	0.004670	0.84	4.67	36.91	0.91

HEC-RAS Plan: sdf River: Barrage Reach: Stato di fatto (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Stato di fatto	262.2409	tr 500	6.09	7.67	7.77	7.77	7.84	0.004660	0.93	5.19	37.32	0.93
Stato di fatto	226.3543	tr 50	3.82	6.80	7.04	7.15	7.44	0.014408	2.86	1.43	11.57	2.33
Stato di fatto	226.3543	tr 100	4.46	6.80	7.06	7.17	7.47	0.013213	2.94	1.64	11.81	2.27
Stato di fatto	226.3543	tr 200	5.13	6.80	7.07	7.20	7.50	0.011953	3.00	1.86	12.05	2.20
Stato di fatto	226.3543	tr 500	6.09	6.80	7.10	7.23	7.54	0.010503	3.06	2.17	12.37	2.11
Stato di fatto	185.4932	tr 50	4.15	6.54	6.80	6.88	7.06	0.005519	2.29	1.91	10.06	1.54
Stato di fatto	185.4932	tr 100	4.86	6.54	6.82	6.91	7.11	0.005522	2.43	2.12	10.29	1.56
Stato di fatto	185.4932	tr 200	5.59	6.54	6.84	6.94	7.16	0.005493	2.55	2.33	10.53	1.58
Stato di fatto	185.4932	tr 500	6.64	6.54	6.87	6.99	7.22	0.005360	2.70	2.63	10.85	1.59
Stato di fatto	162.5786	tr 50	4.15	5.16	5.44	5.69	6.70	0.035508	4.98	0.84	4.93	3.76
Stato di fatto	162.5786	tr 100	4.86	5.16	5.47	5.74	6.76	0.030370	5.06	0.98	5.04	3.56
Stato di fatto	162.5786	tr 200	5.59	5.16	5.49	5.78	6.82	0.026545	5.13	1.11	5.16	3.39
Stato di fatto	162.5786	tr 500	6.64	5.16	5.53	5.84	6.89	0.022607	5.22	1.31	5.32	3.21
Stato di fatto	126.3935	tr 50	4.15	3.21	3.99	3.99	4.19	0.279422	2.00	2.13	5.65	0.95
Stato di fatto	126.3935	tr 100	4.86	3.21	4.04	4.04	4.26	0.259877	2.08	2.44	6.02	0.94
Stato di fatto	126.3935	tr 200	5.59	3.21	4.08	4.09	4.32	0.262296	2.20	2.68	6.31	0.95
Stato di fatto	126.3935	tr 500	6.64	3.21	4.06	4.15	4.43	0.430339	2.74	2.54	6.15	1.21
Stato di fatto	103.1012	tr 50	4.15	1.59	1.75	1.81	2.09	0.043752	2.90	1.63	24.63	3.07
Stato di fatto	103.1012	tr 100	4.86	1.59	1.75	1.82	2.14	0.045473	3.09	1.81	25.97	3.15
Stato di fatto	103.1012	tr 200	5.59	1.59	1.76	1.85	2.17	0.046145	3.30	2.08	31.76	3.21
Stato di fatto	103.1012	tr 500	6.64	1.59	1.77	1.86	2.18	0.041350	3.33	2.44	32.82	3.08
Stato di fatto	79.85745	tr 50	4.15	1.39	1.60	1.62	1.70	0.006541	1.49	3.12	24.71	1.19
Stato di fatto	79.85745	tr 100	4.86	1.39	1.61	1.64	1.72	0.006861	1.60	3.42	25.27	1.23
Stato di fatto	79.85745	tr 200	5.59	1.39	1.63	1.66	1.75	0.006982	1.69	3.74	25.86	1.26
Stato di fatto	79.85745	tr 500	6.64	1.39	1.65	1.68	1.78	0.006791	1.78	4.24	26.75	1.26
Stato di fatto	53.5275	tr 50	4.15	0.64	1.37	1.28	1.39	0.031841	0.70	9.16	56.39	0.33
Stato di fatto	53.5275	tr 100	4.86	0.64	1.39	1.29	1.41	0.033394	0.74	10.30	60.25	0.34
Stato di fatto	53.5275	tr 200	5.59	0.64	1.42	1.31	1.44	0.027472	0.70	12.50	63.19	0.31
Stato di fatto	53.5275	tr 500	6.64	0.64	1.47	1.33	1.48	0.022258	0.67	15.48	66.77	0.29
Stato di fatto	35.45515	tr 50	4.15	0.65	1.34	0.93	1.35	0.000673	0.12	37.03	73.05	0.05
Stato di fatto	35.45515	tr 100	4.86	0.65	1.36	0.93	1.36	0.000860	0.13	37.88	73.23	0.06
Stato di fatto	35.45515	tr 200	5.59	0.65	1.39	0.93	1.39	0.000947	0.14	40.16	73.72	0.06
Stato di fatto	35.45515	tr 500	6.64	0.65	1.43	0.93	1.43	0.001067	0.16	43.22	74.88	0.06
Stato di fatto	19.2044	tr 50	4.15	0.28	1.34	0.65	1.34	0.000194	0.09	55.25	76.28	0.03
Stato di fatto	19.2044	tr 100	4.86	0.28	1.35	0.65	1.35	0.000255	0.11	56.02	76.45	0.03
Stato di fatto	19.2044	tr 200	5.59	0.28	1.38	0.68	1.38	0.000298	0.12	58.33	76.98	0.04
Stato di fatto	19.2044	tr 500	6.64	0.28	1.42	0.69	1.42	0.000358	0.13	61.43	77.84	0.04

COMUNE DI PALAU (SS)

RISANAMENTO IDROGEOLOGICO AMBITO "CANALE LICCIA" – PALAU EST

E "CANALE BARAGGE" – VECCHIO MARINO

Area di indagine: **CANALE BARAGGE – CANALE LICCIA**

SIMULAZIONI IN MOTO PERMANENTE

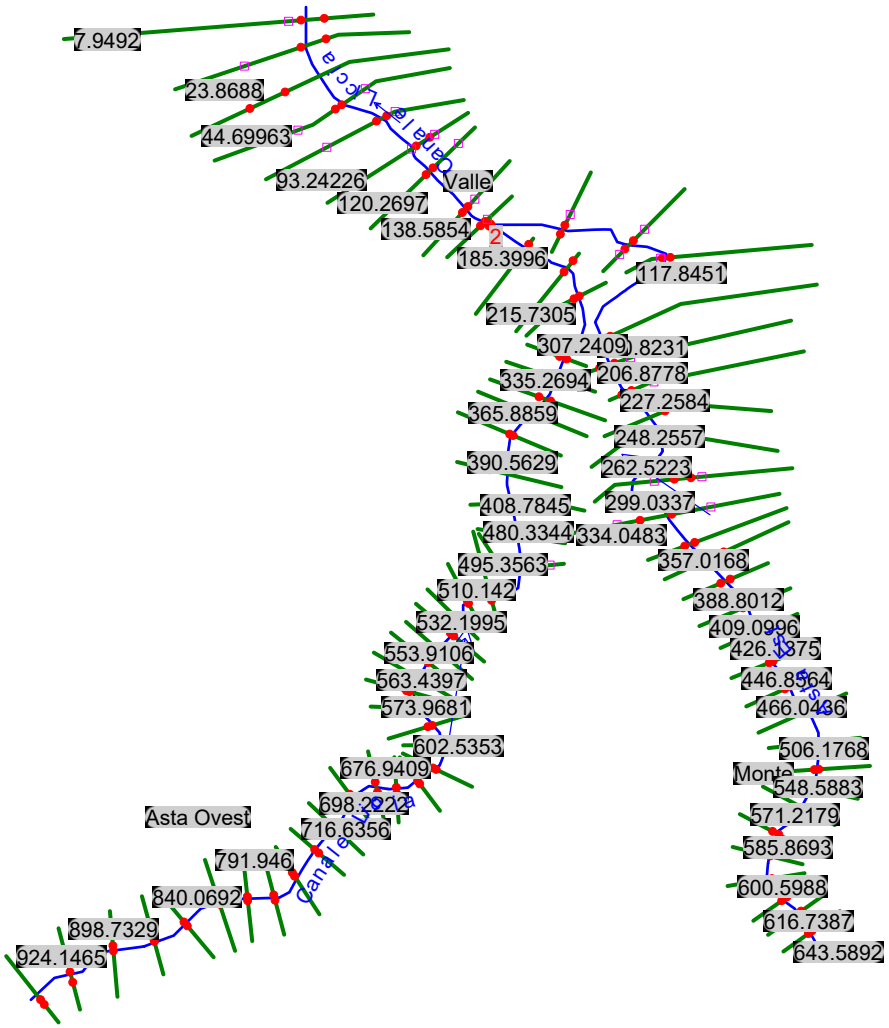
CANALE LICCIA

ANTE OPERAM

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per tempi di ritorno 50, 100, 200 e 500 anni;
-

		PORTATE mc/s				
River	**Reach**	**RS**	**tr 50**	**tr 100**	**tr 200**	**tr 500**
Asta Est	Monte	643.5892	2.074	2.383	2.706	3.179
Canale Liccia	Asta Ovest	924.1465	2.541	2.897	3.268	3.814
Canale Liccia	Valle	185.3996	4.894	5.667	6.462	7.588

			condizioni al contorno	
River	**Reach**	**PROFILI**	**upstream**	**downstream**
Asta Est	Monte	all	Crtical Depth	Junction=2
Canale Liccia	Asta Ovest	all	Crtical Depth	Junction=2
Canale Liccia	Valle	all	Junction=2	Known WS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Asta Ovest
Valle
Canale
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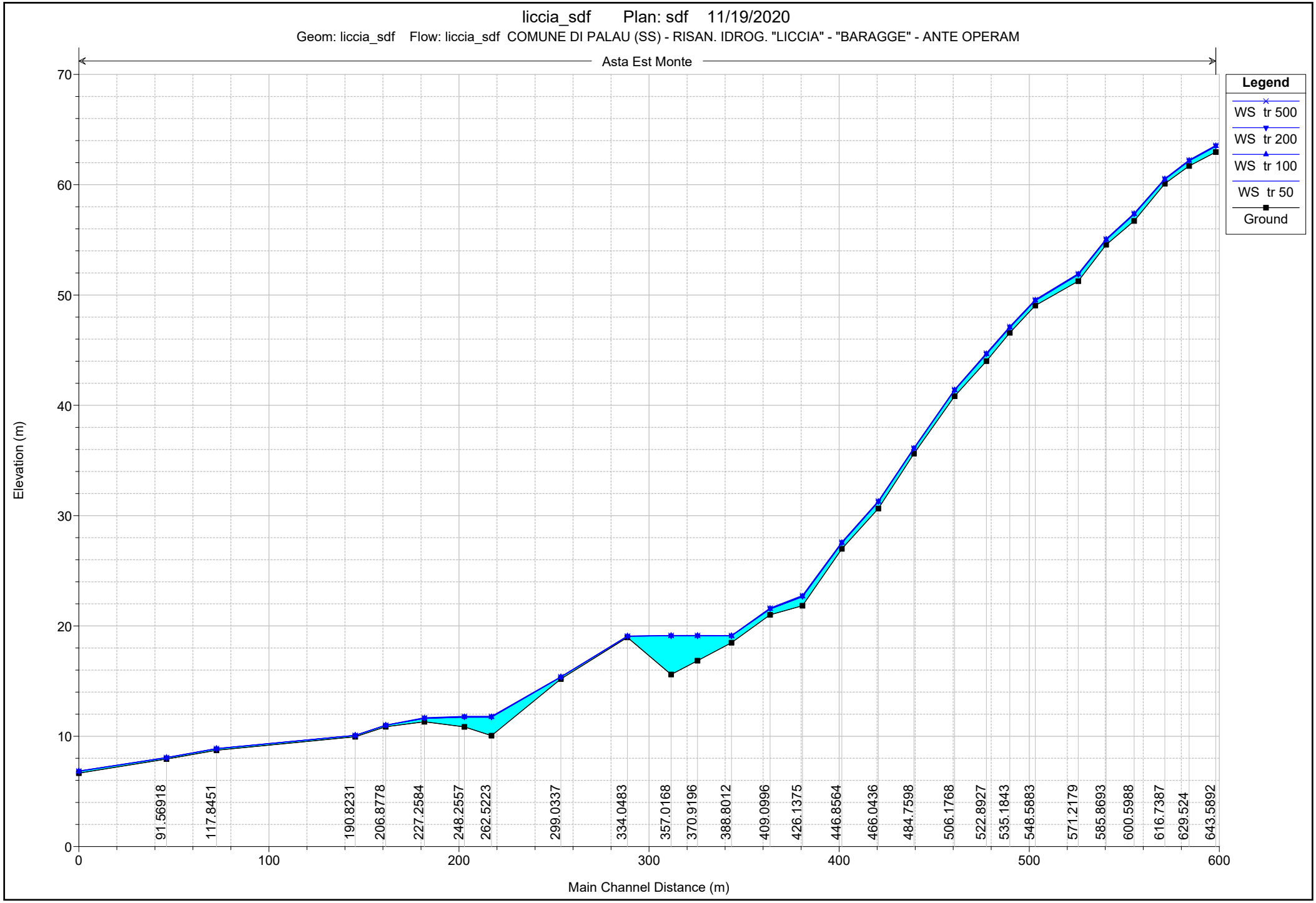
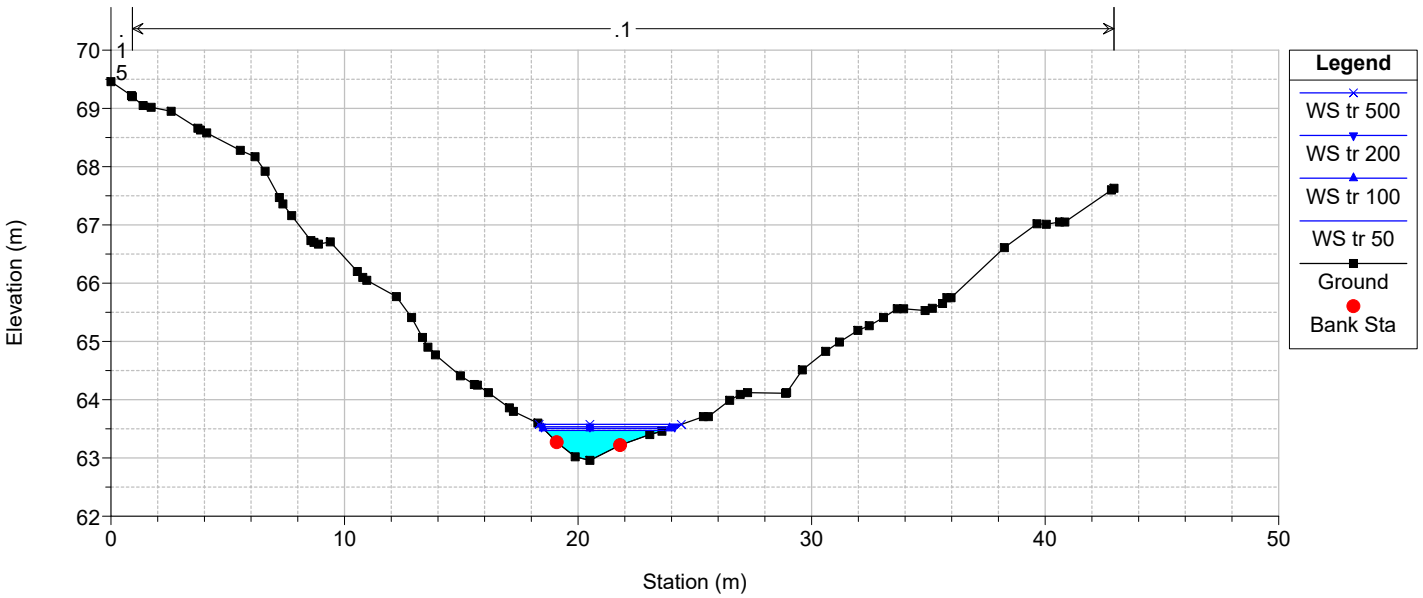
Monte


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
Asta Est Monte
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Elevation (m)
Main Channel Distance (m)
0
10
20
30
40
50
60
70
0
100
200
300
400
500
600
91.56918
117.8451
190.8231
206.8778
227.2584
248.2557
262.5223
299.0337
334.0483
357.0168
370.9196
388.8012
409.0996
426.1375
446.8564
466.0436
484.7598
506.1768
522.8927
535.1843
548.5883
571.2179
585.8693
600.5988
616.7387
629.524
643.5892

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

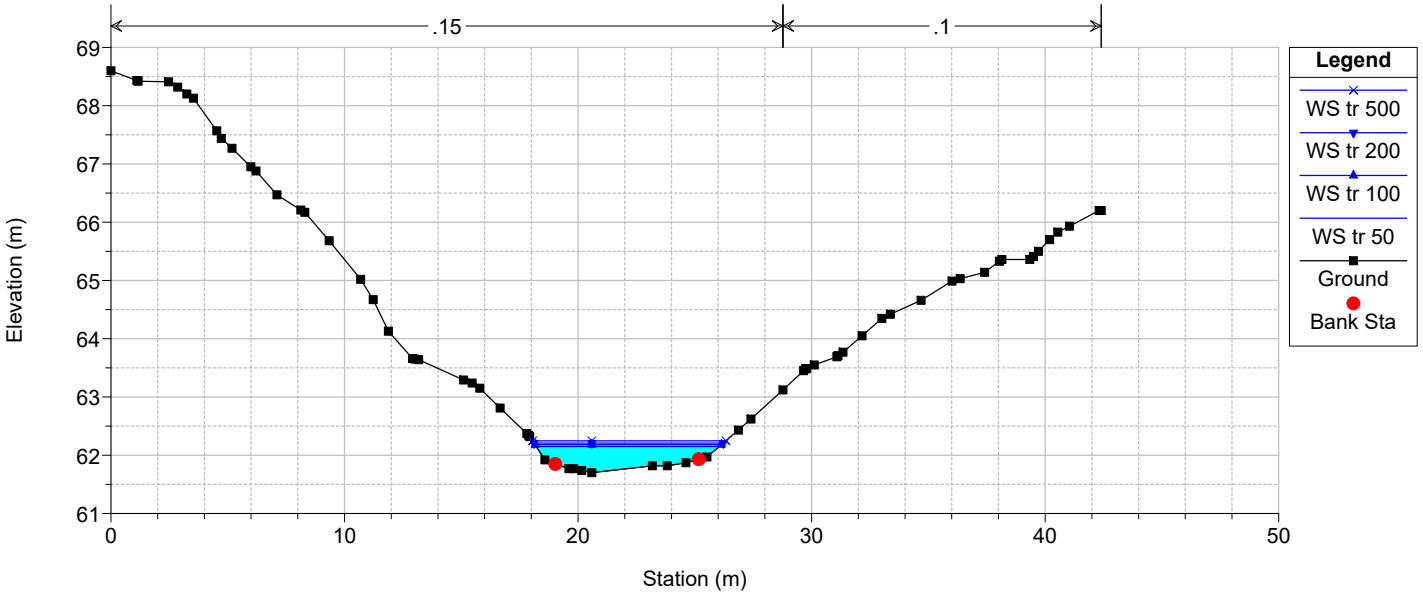
River = Asta Est Reach = Monte RS = 643.5892 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

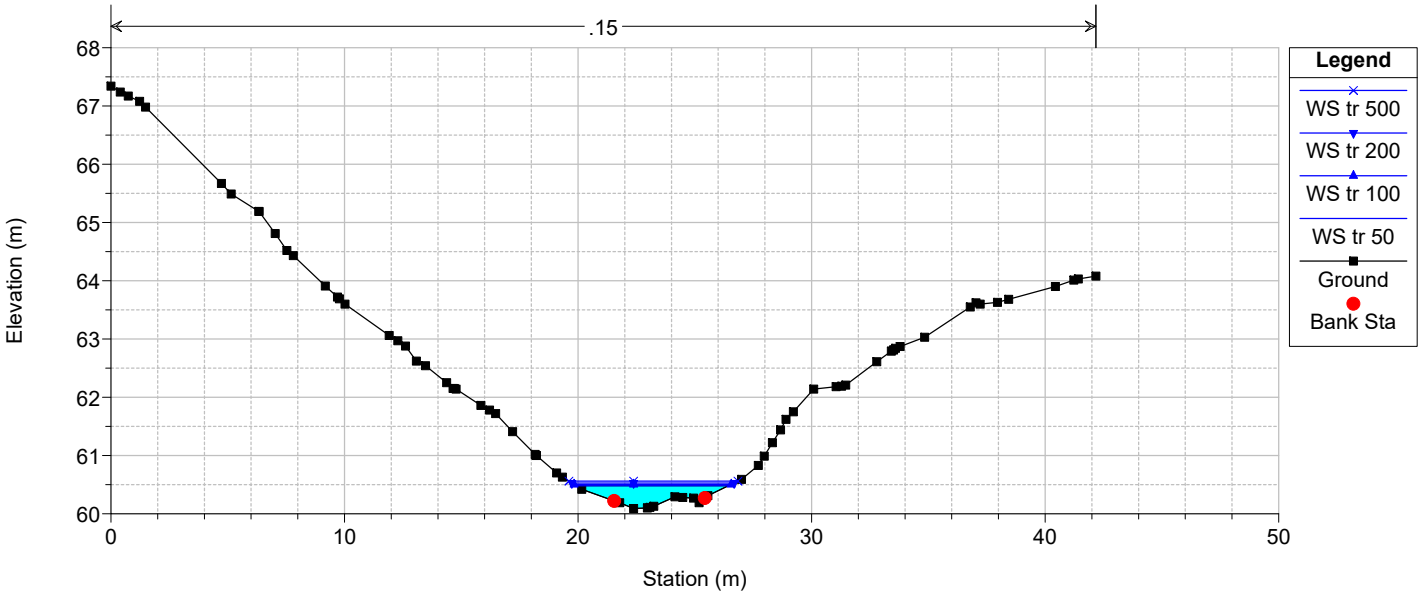
River = Asta Est Reach = Monte RS = 629.524 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

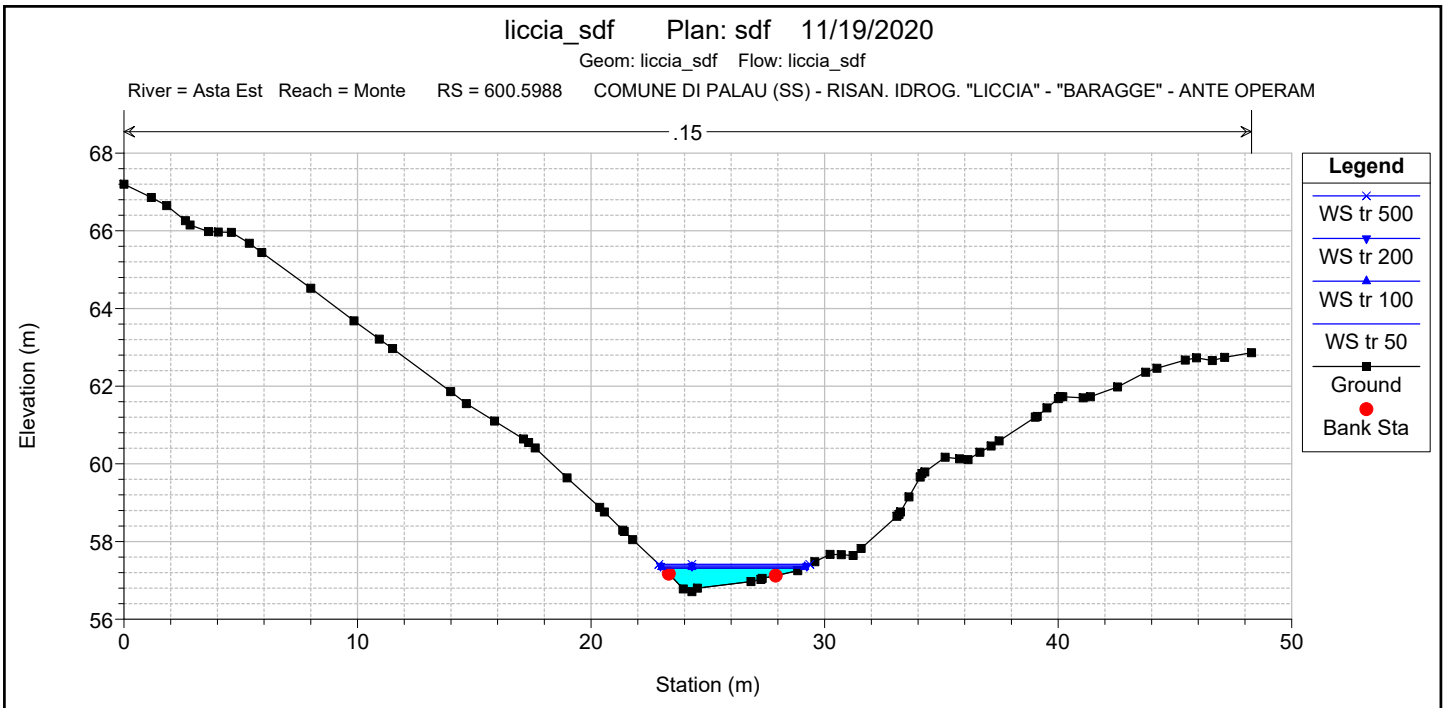


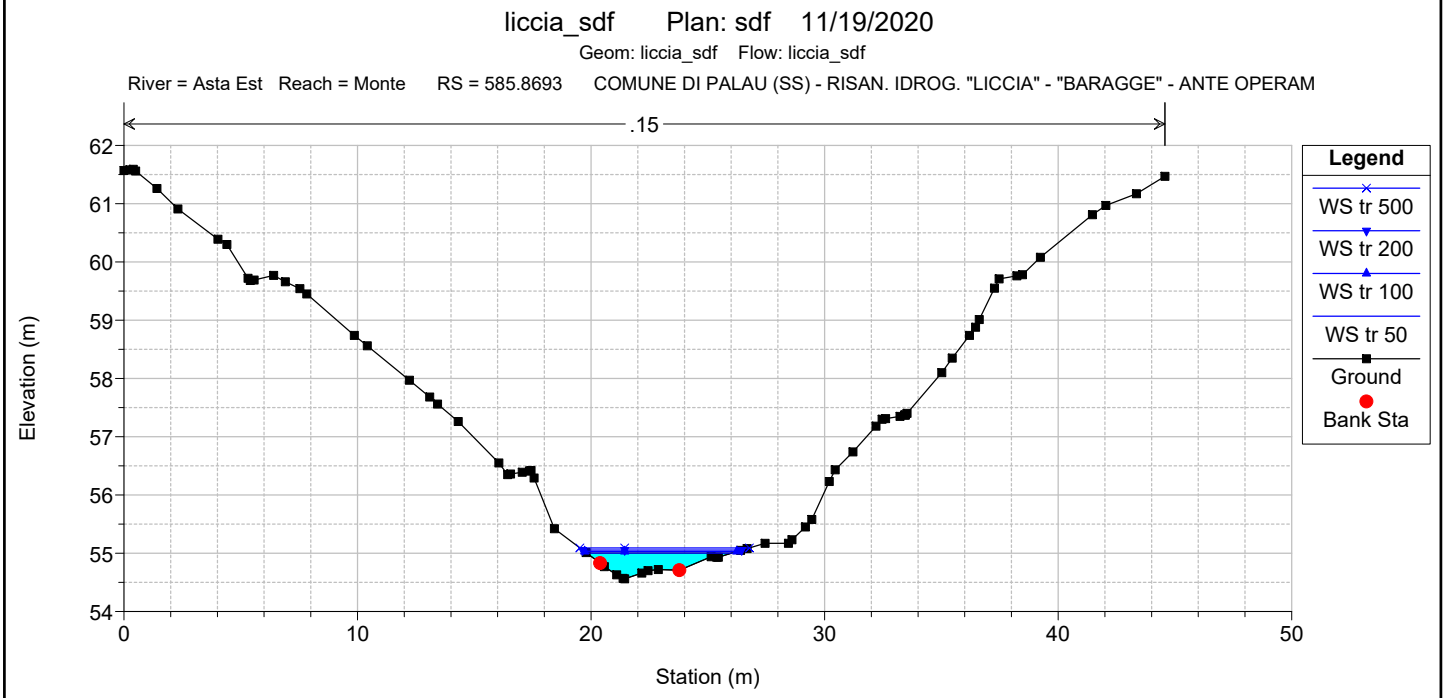
liccia_sdf Plan: sdf 11/19/2020

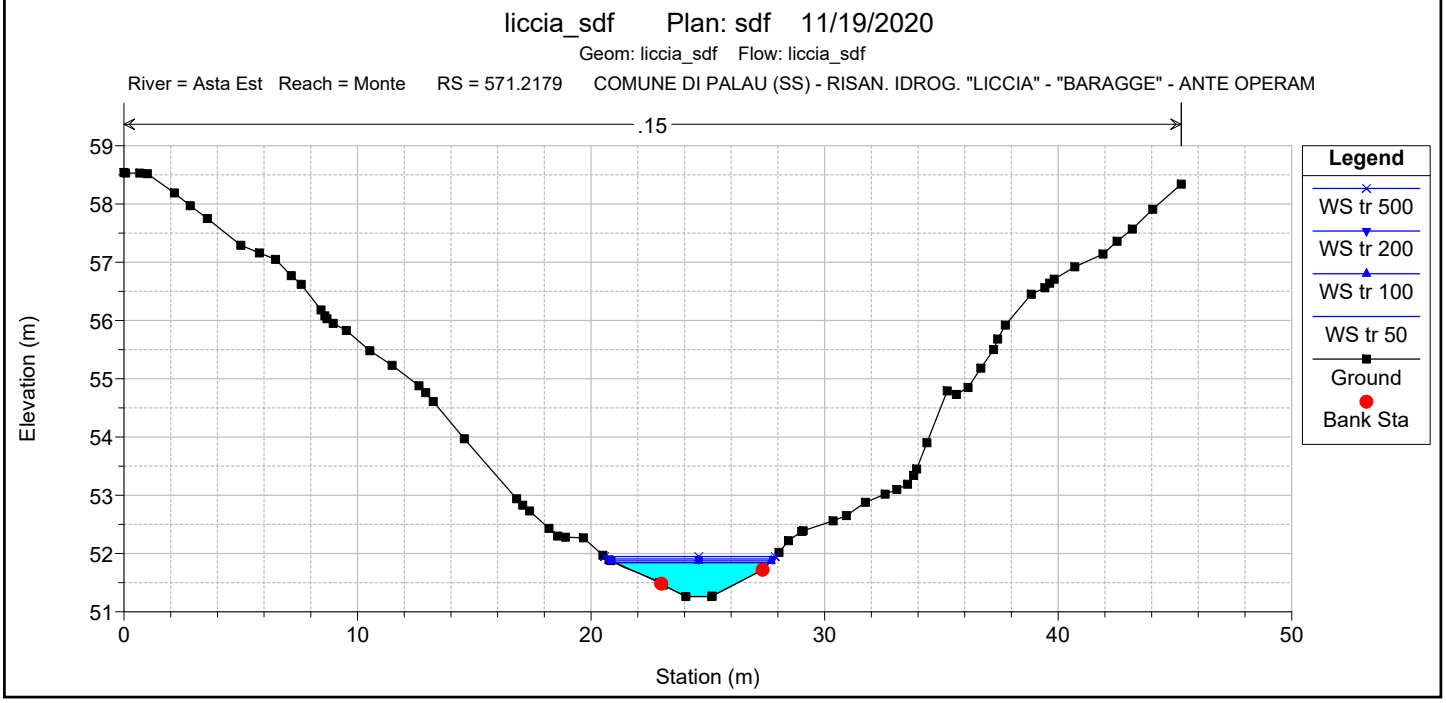
Geom: liccia_sdf Flow: liccia_sdf

River = Asta Est Reach = Monte RS = 616.7387 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM




liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 600.5988 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

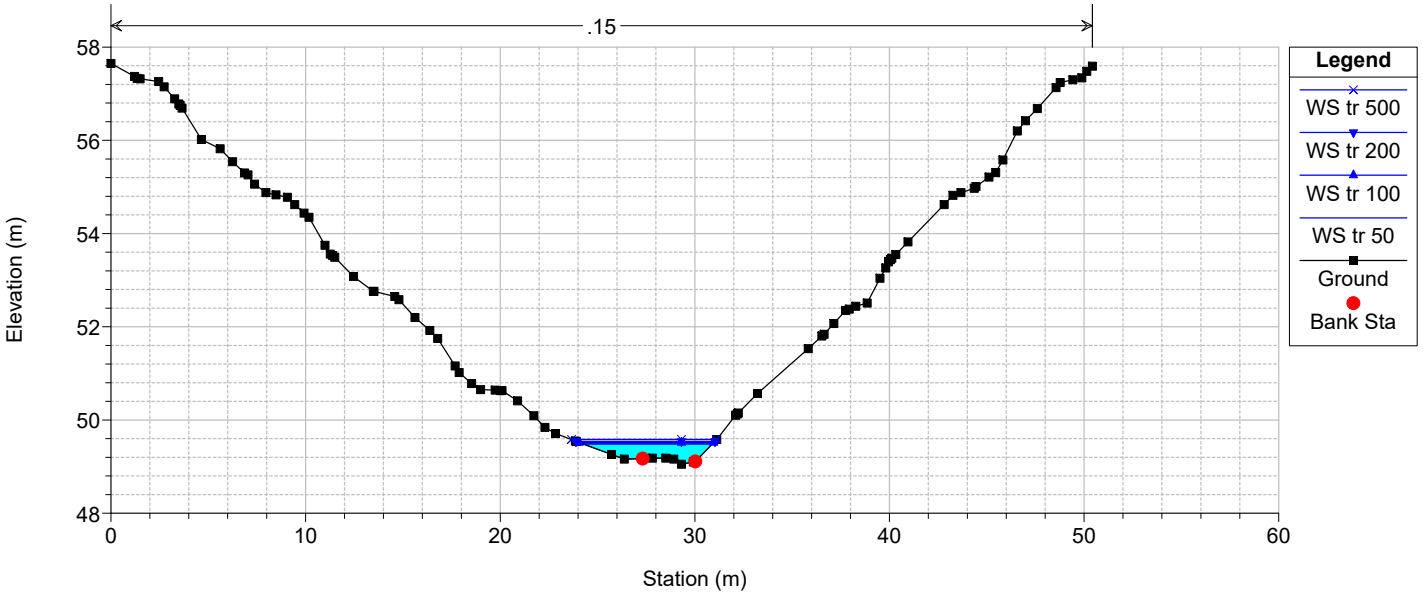

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 585.8693 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 571.2179 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

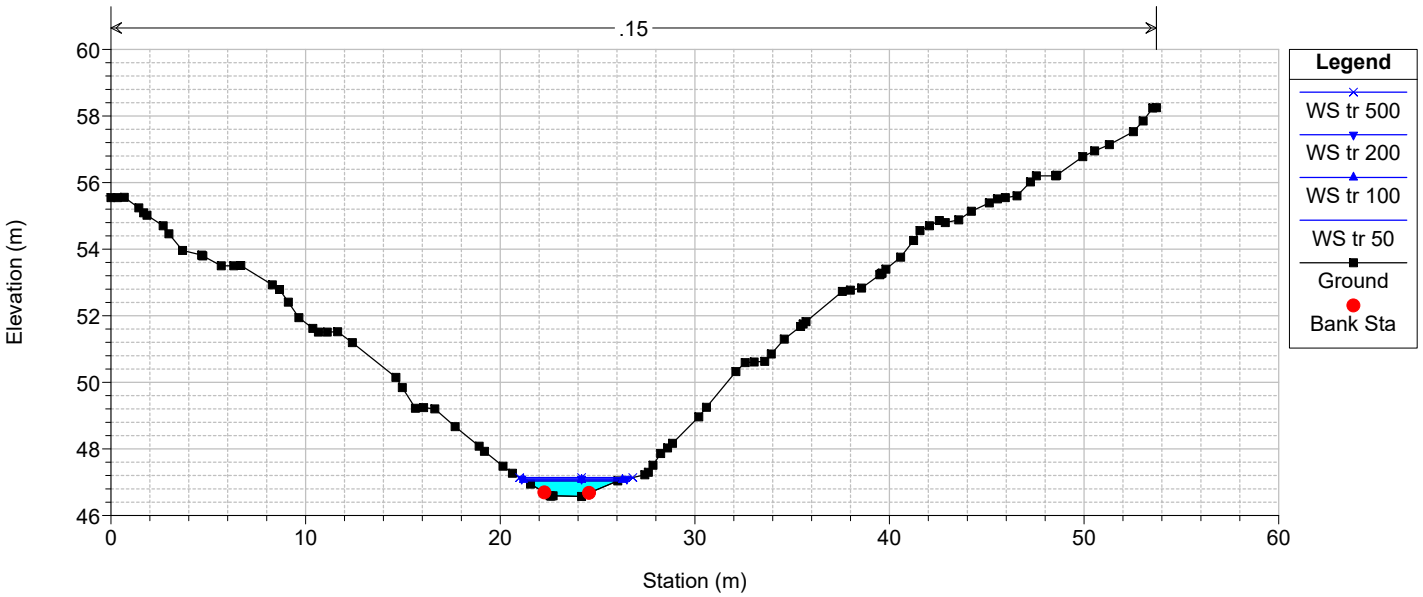
River = Asta Est Reach = Monte RS = 548.5883 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

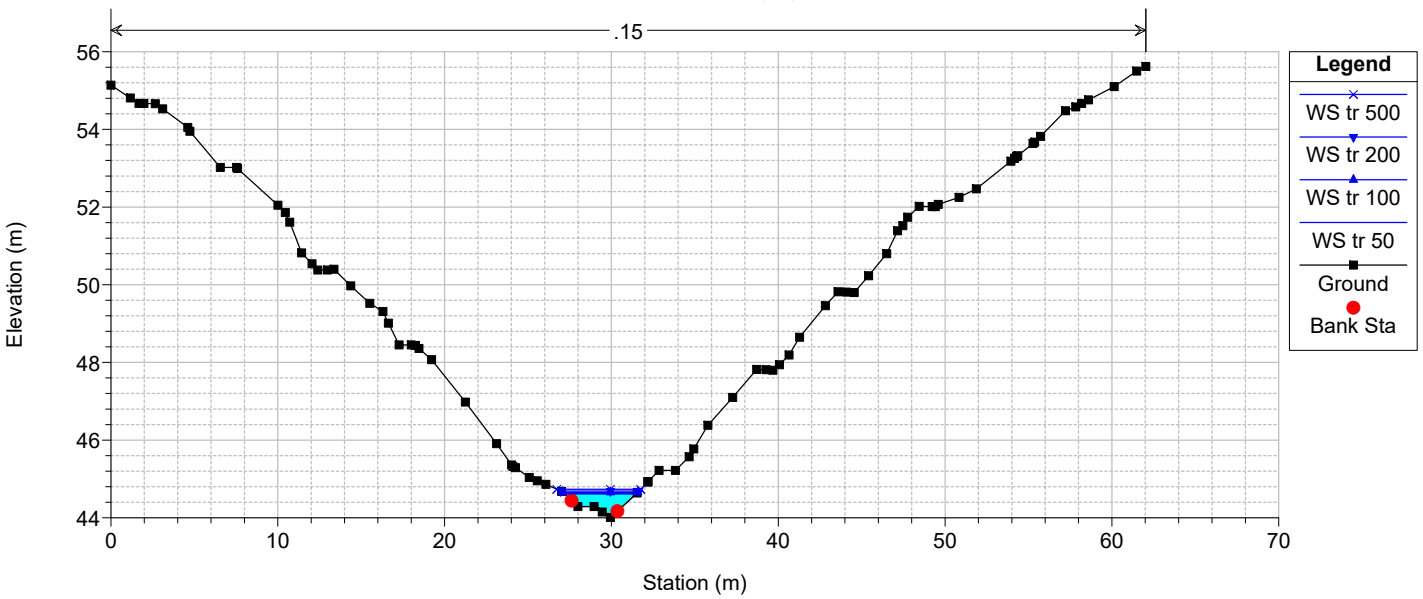
River = Asta Est Reach = Monte RS = 535.1843 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

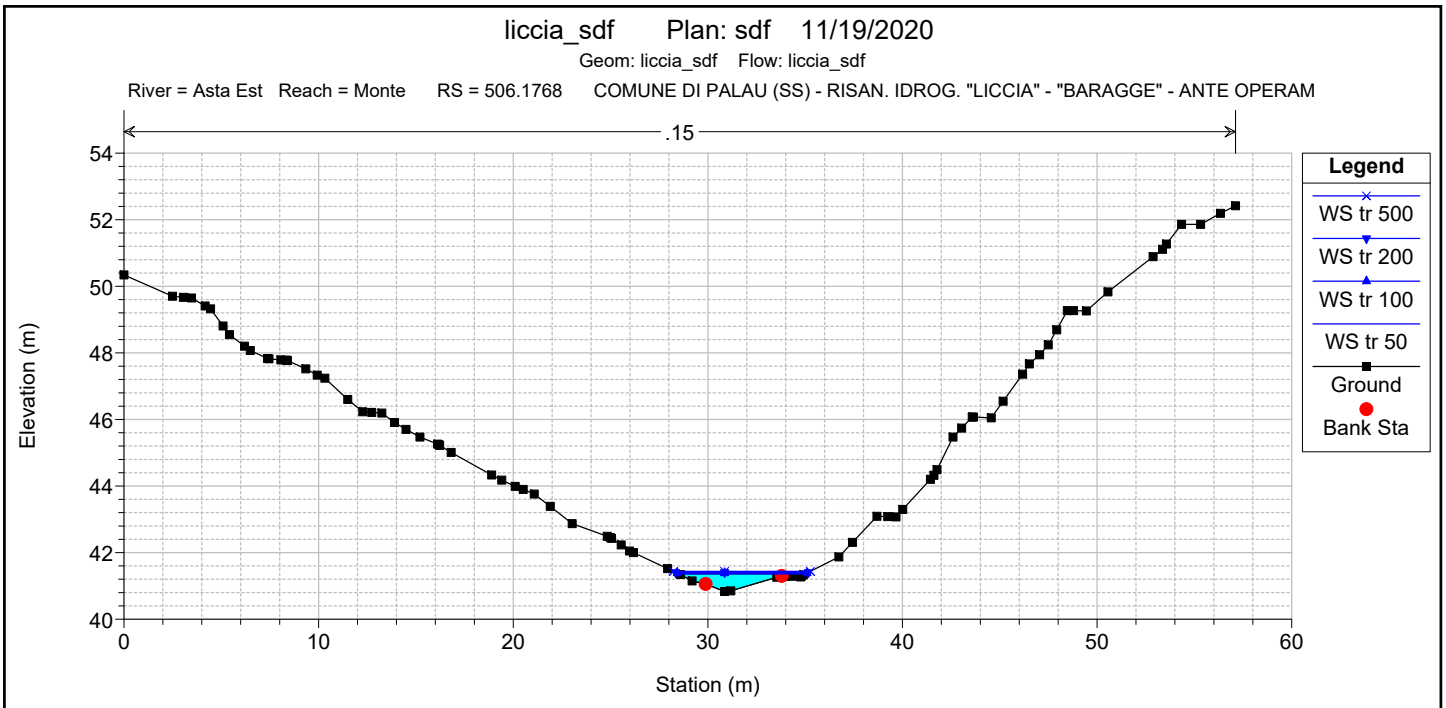


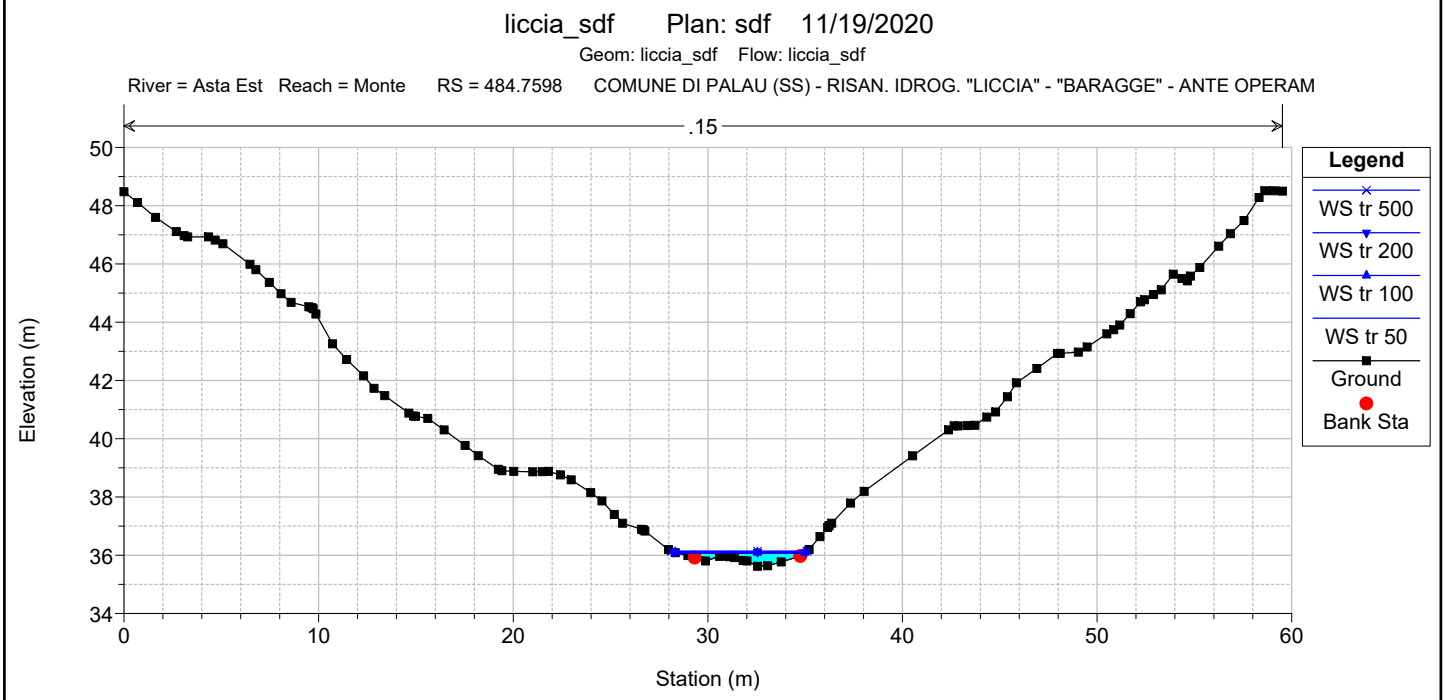
liccia_sdf Plan: sdf 11/19/2020

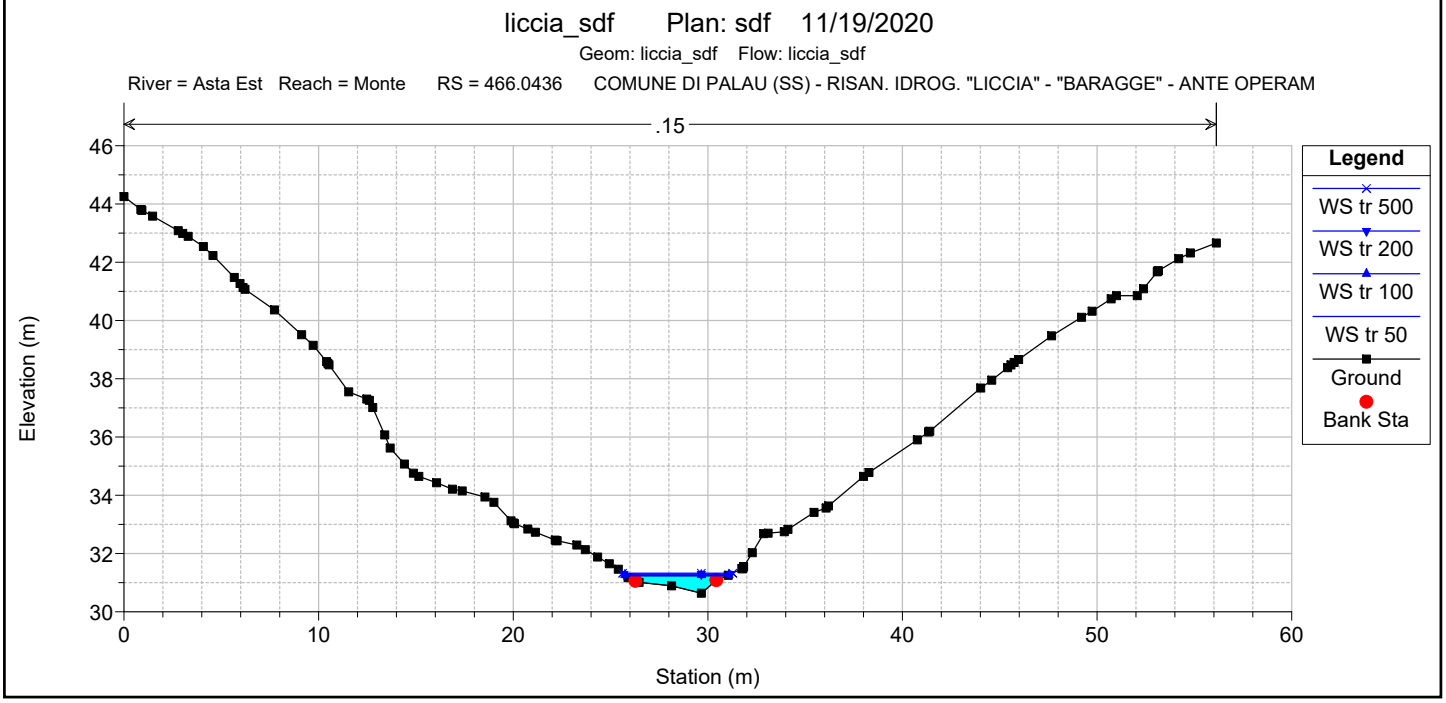
Geom: liccia_sdf Flow: liccia_sdf

River = Asta Est Reach = Monte RS = 522.8927 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM




liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 506.1768 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

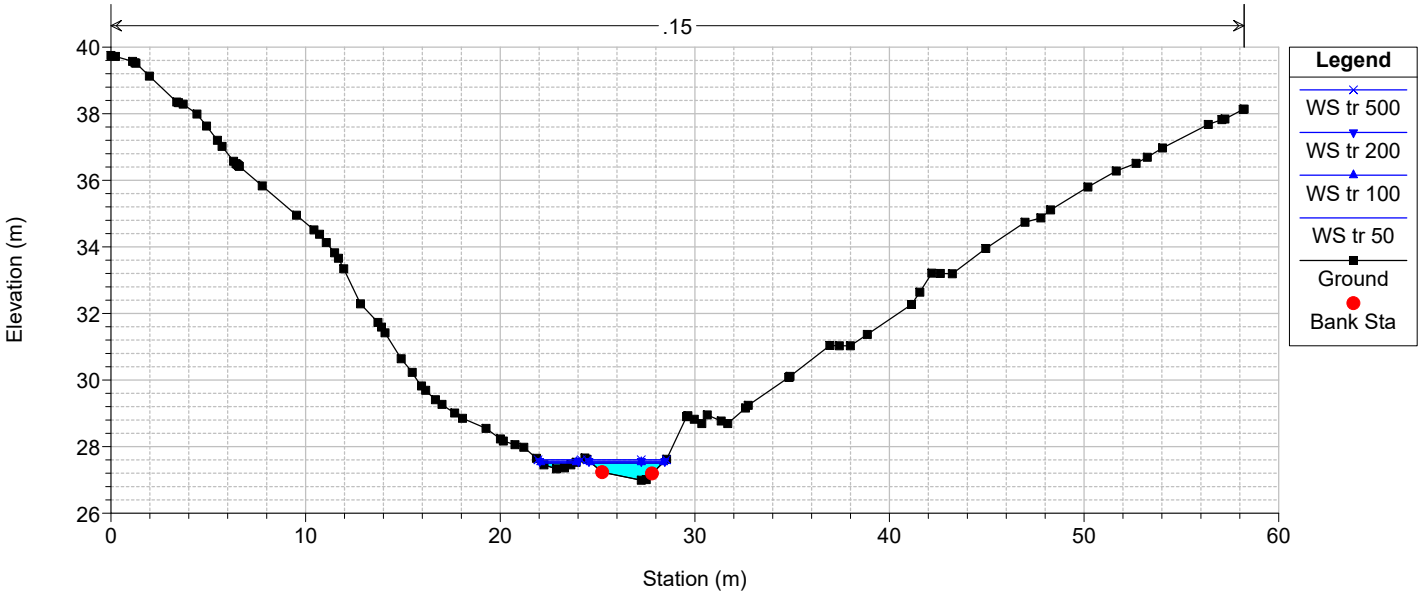

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 484.7598 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 466.0436 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

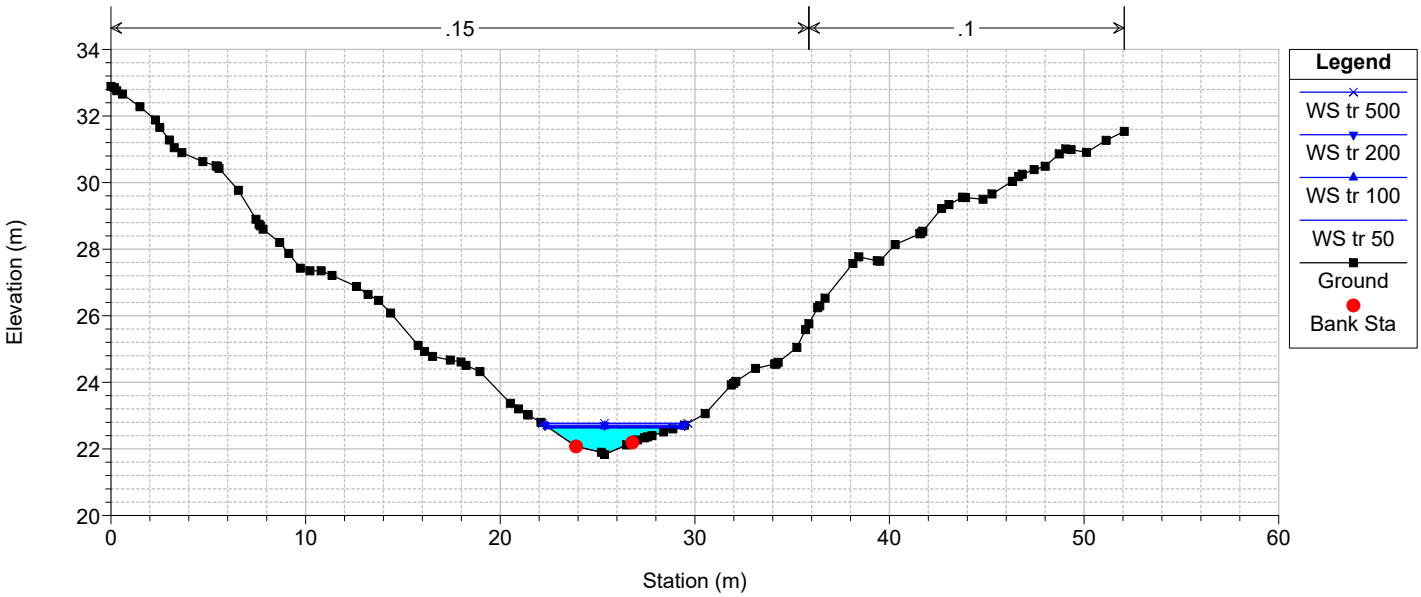
River = Asta Est Reach = Monte RS = 446.8564 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

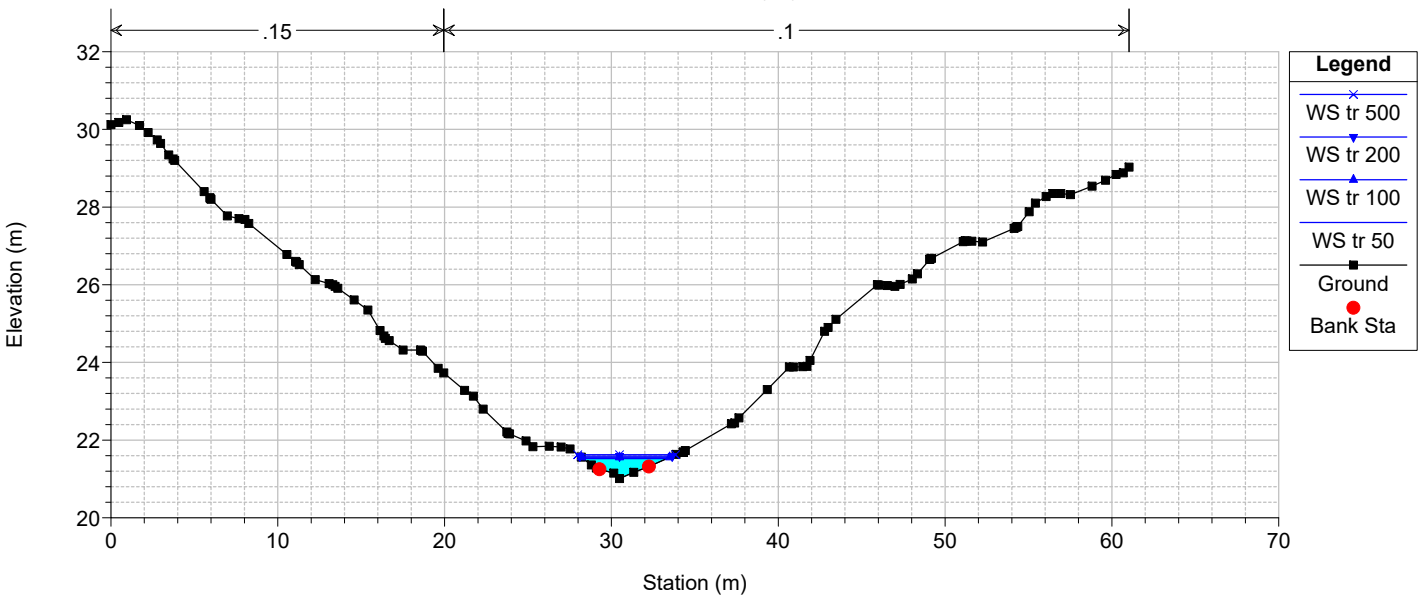
River = Asta Est Reach = Monte RS = 426.1375 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

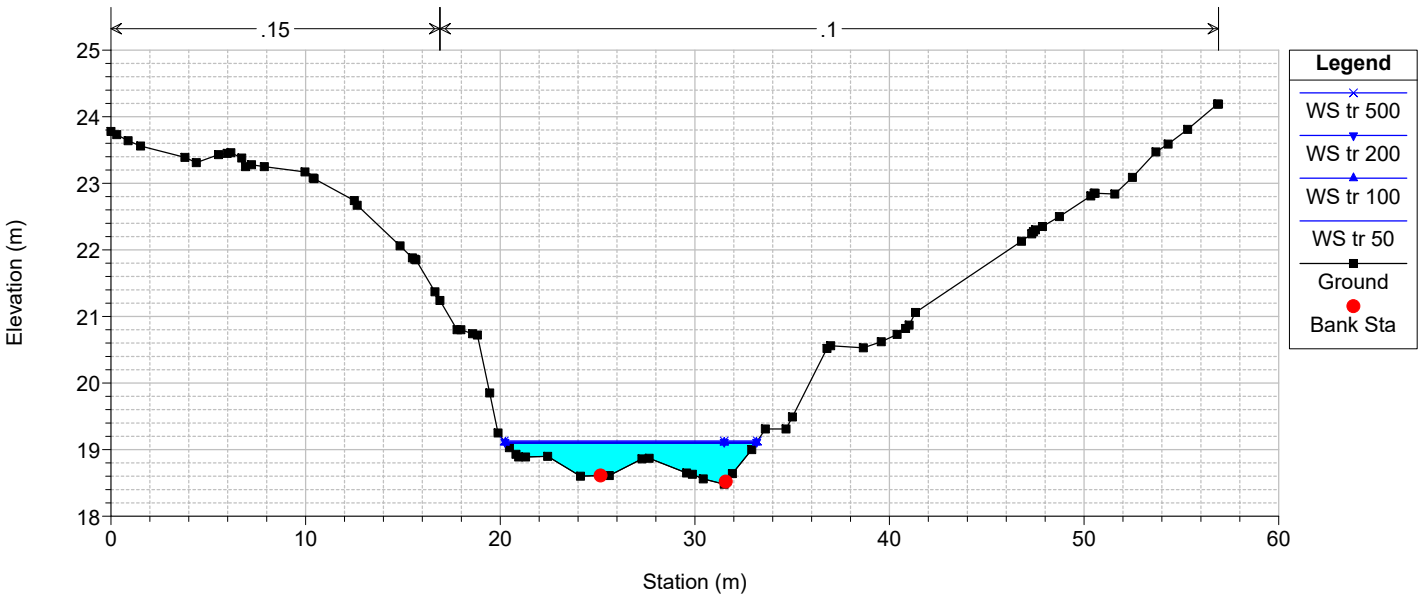
River = Asta Est Reach = Monte RS = 409.0996 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

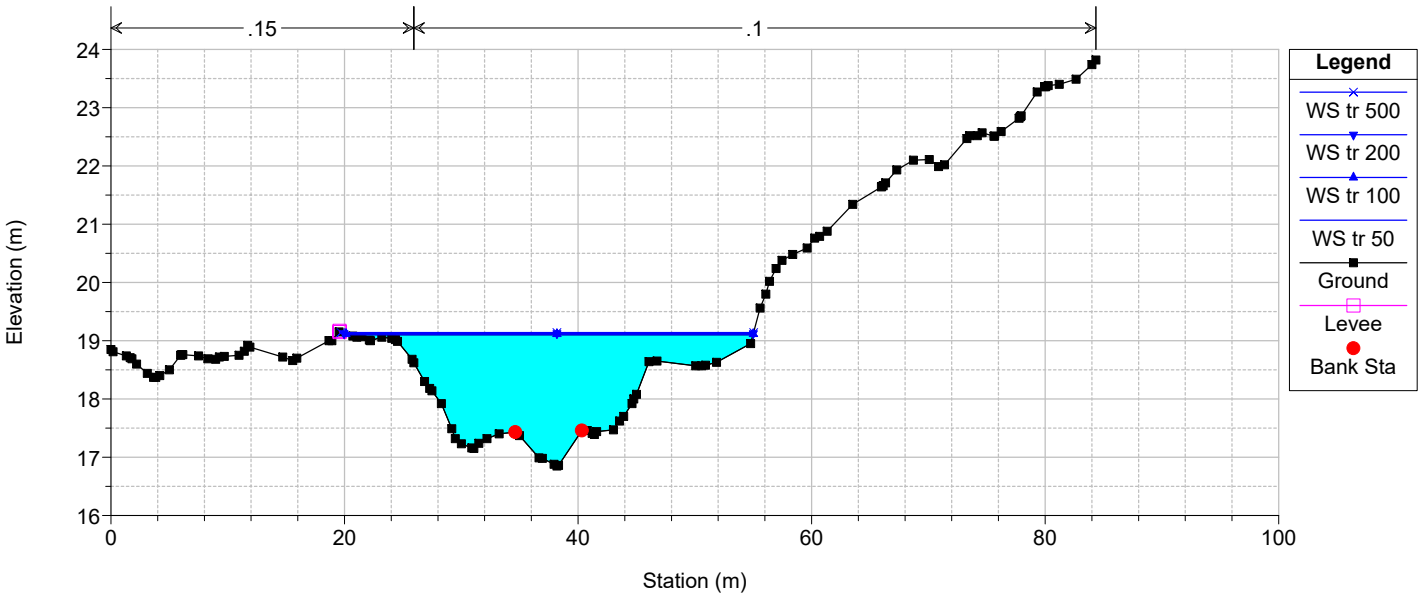
River = Asta Est Reach = Monte RS = 388.8012 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

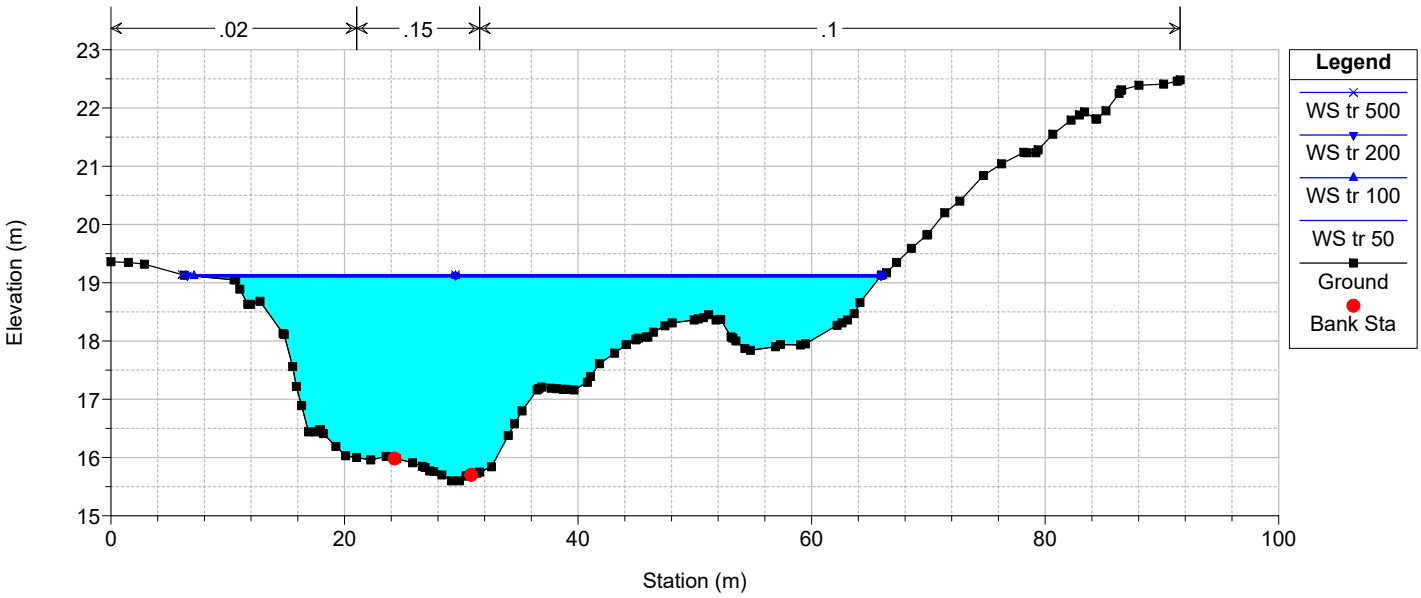
River = Asta Est Reach = Monte RS = 370.9196 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

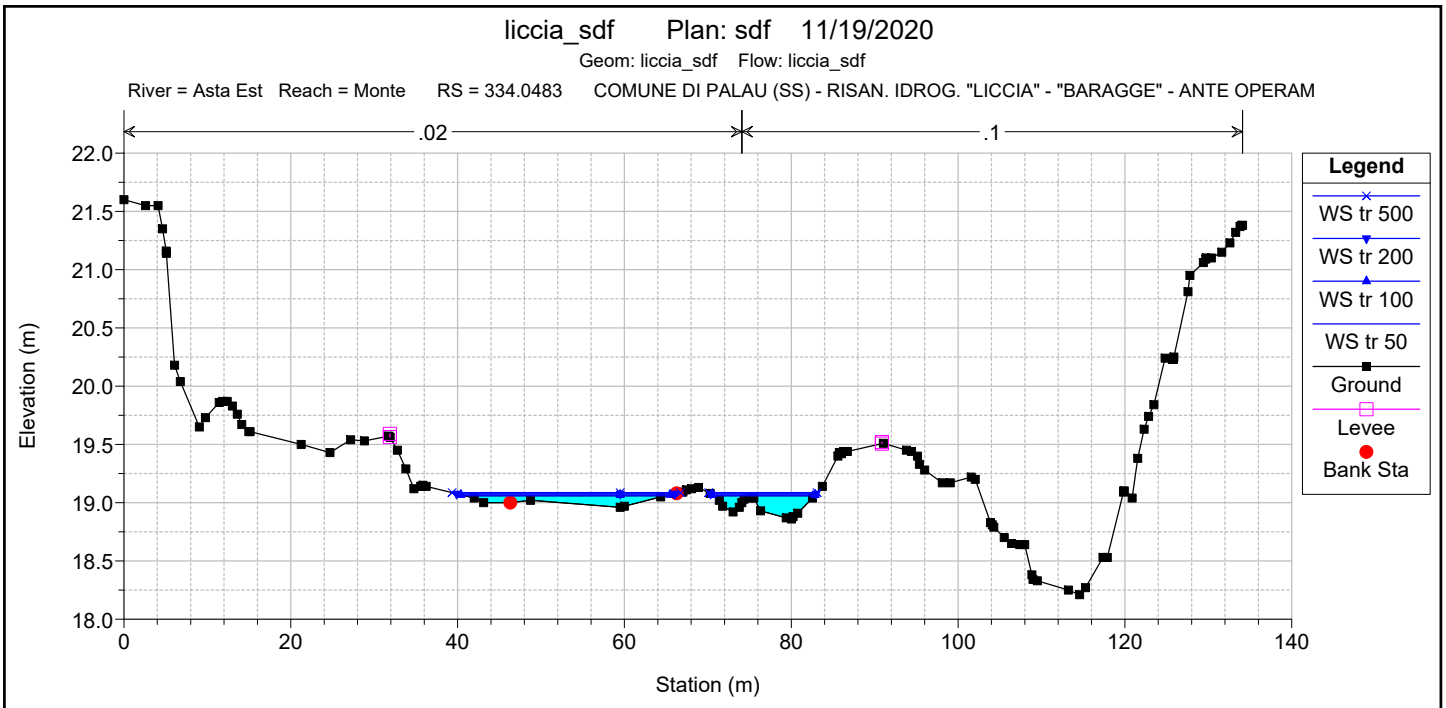


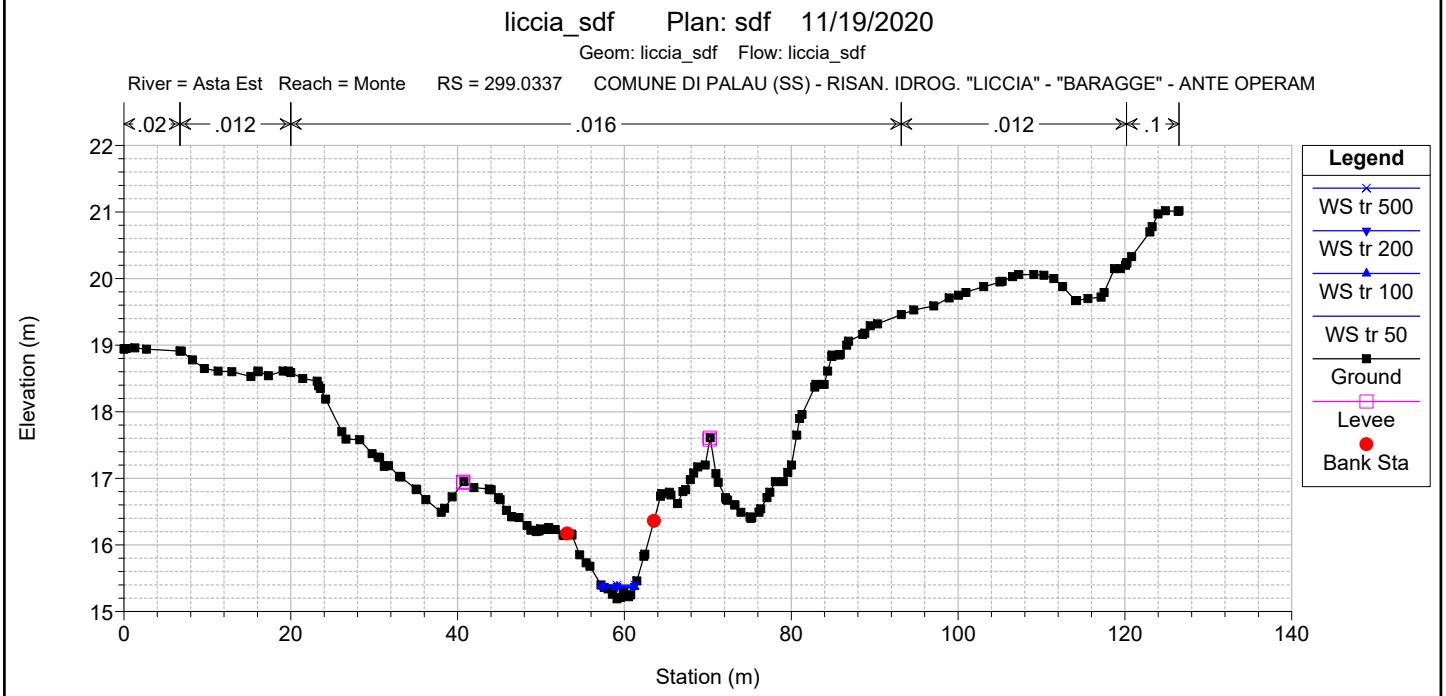
liccia_sdf Plan: sdf 11/19/2020

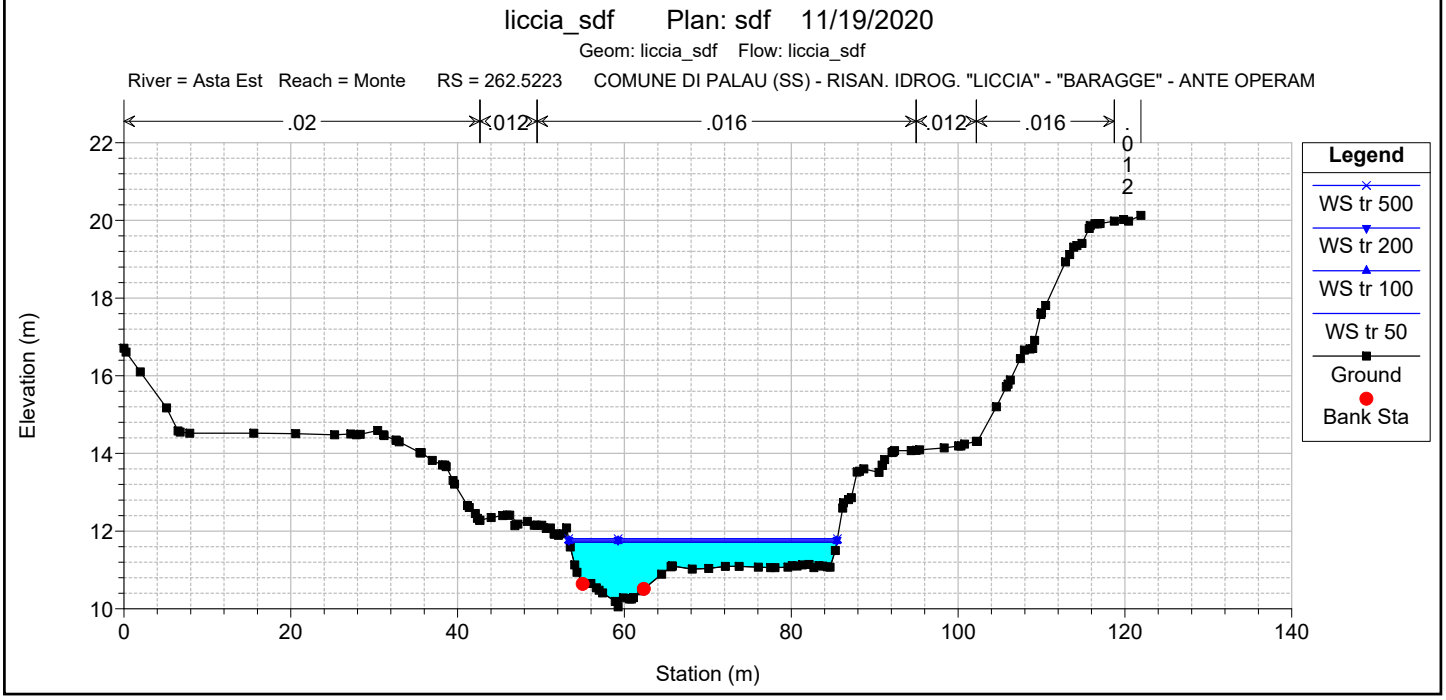
Geom: liccia_sdf Flow: liccia_sdf

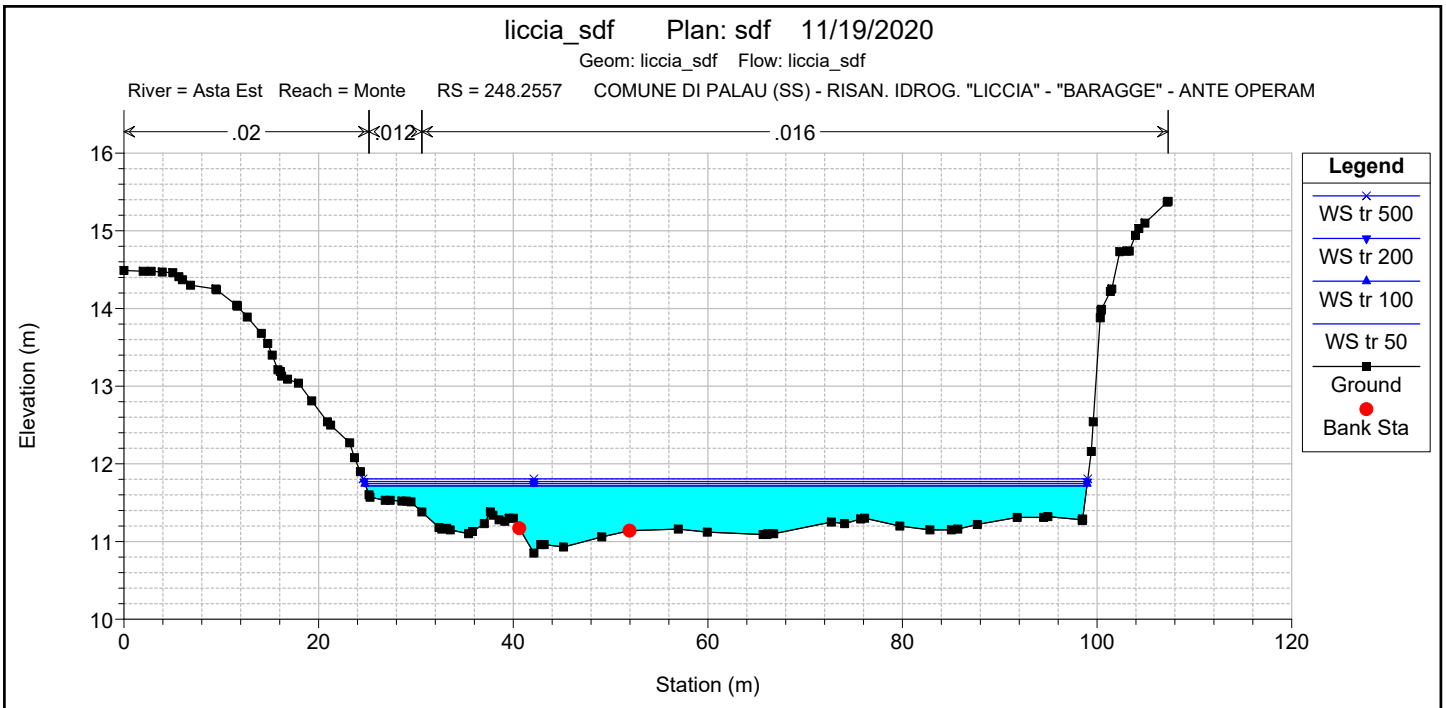
River = Asta Est Reach = Monte RS = 357.0168 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

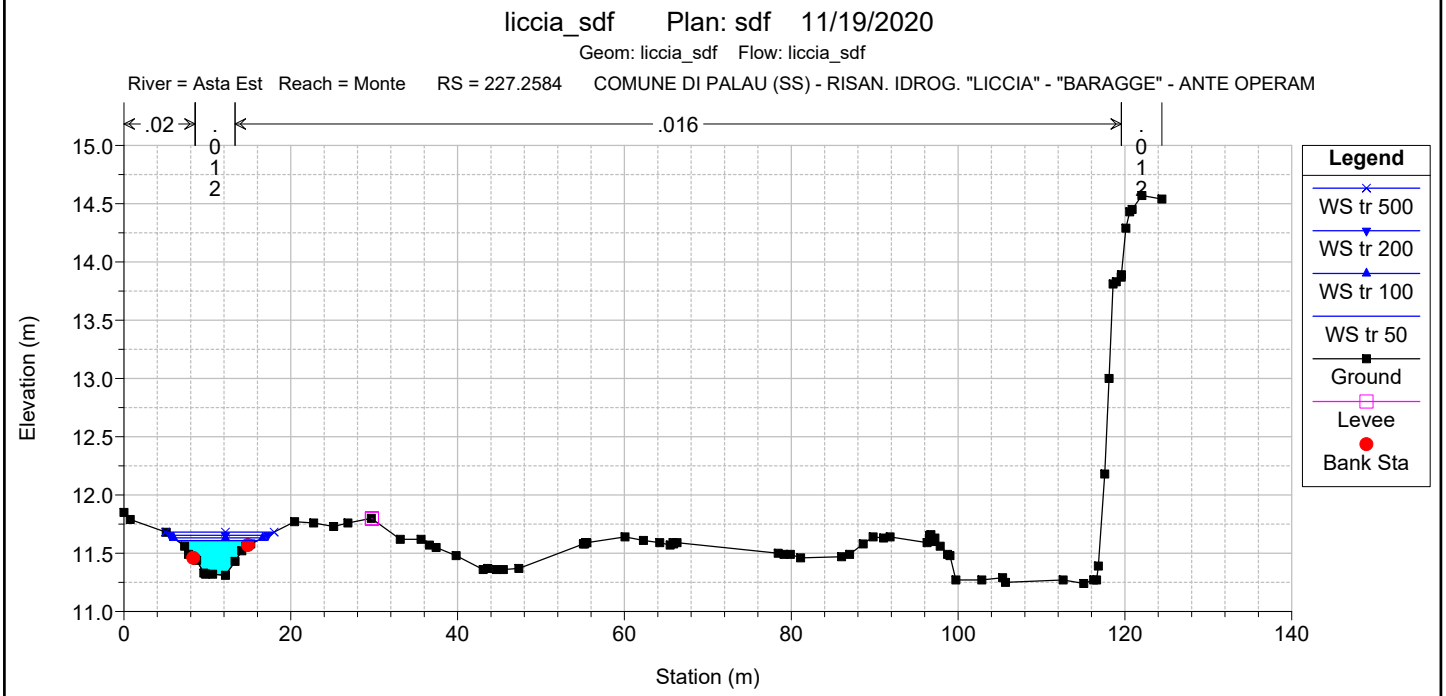


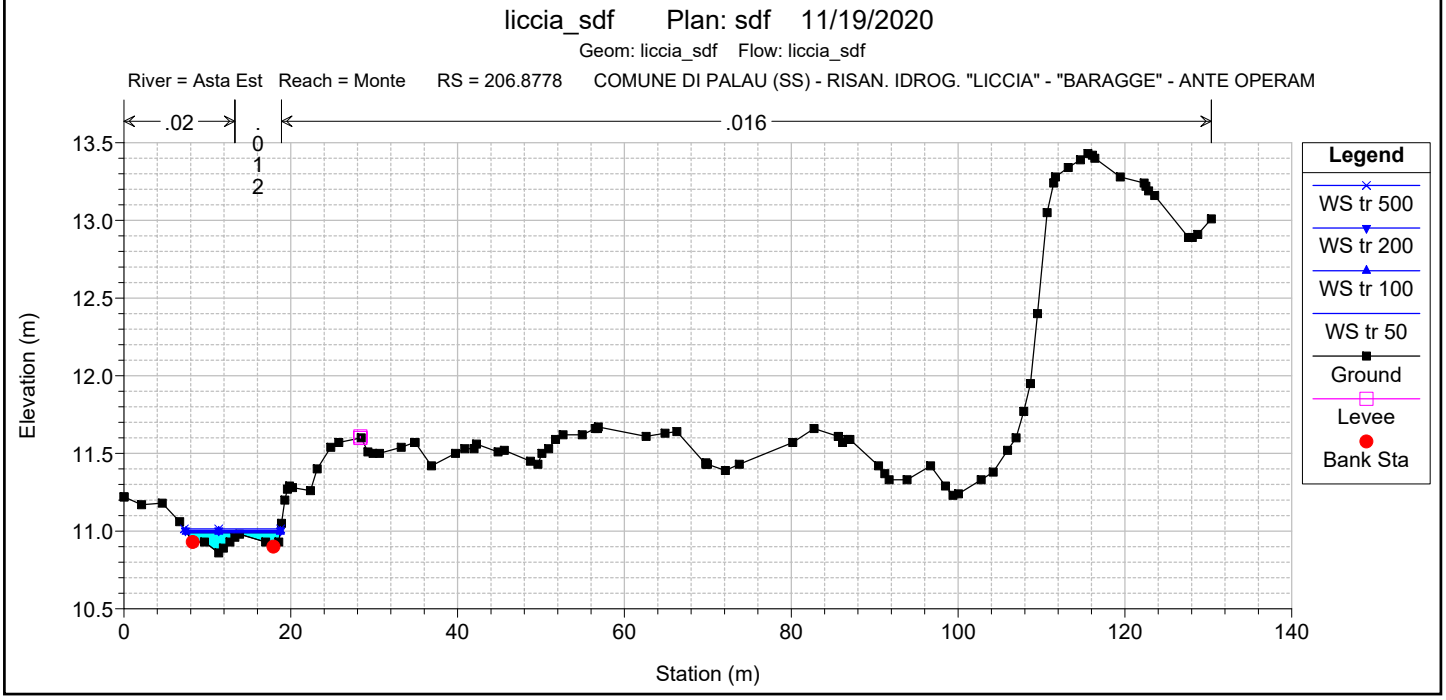

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 334.0483 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

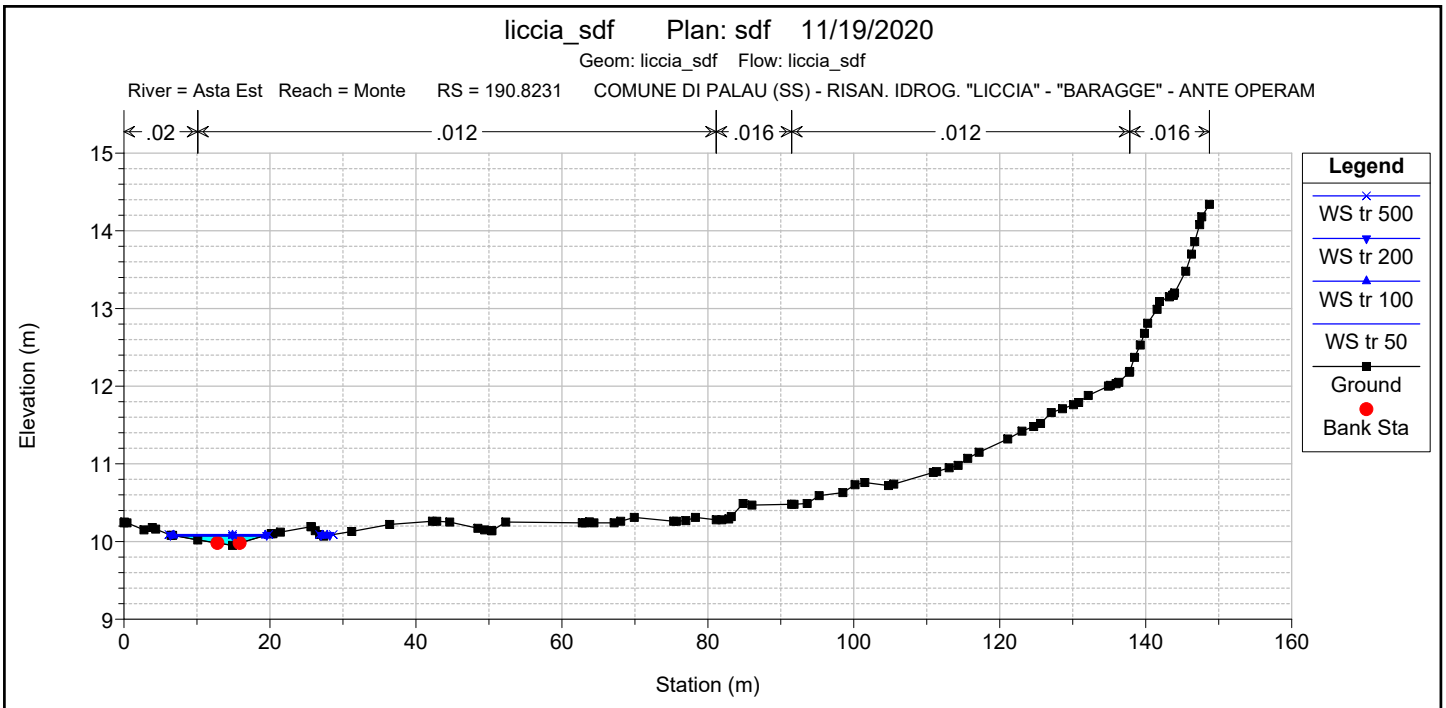

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 299.0337 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

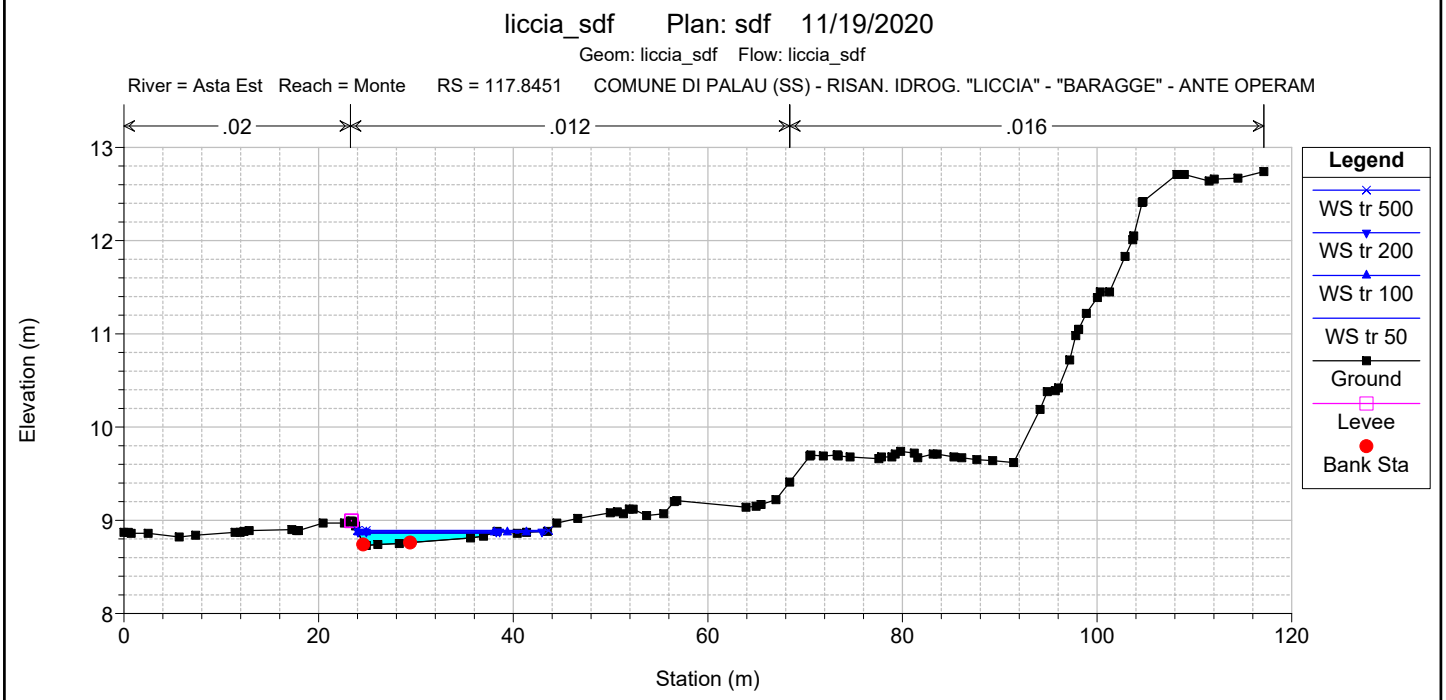

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 262.5223 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
012
.016
012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

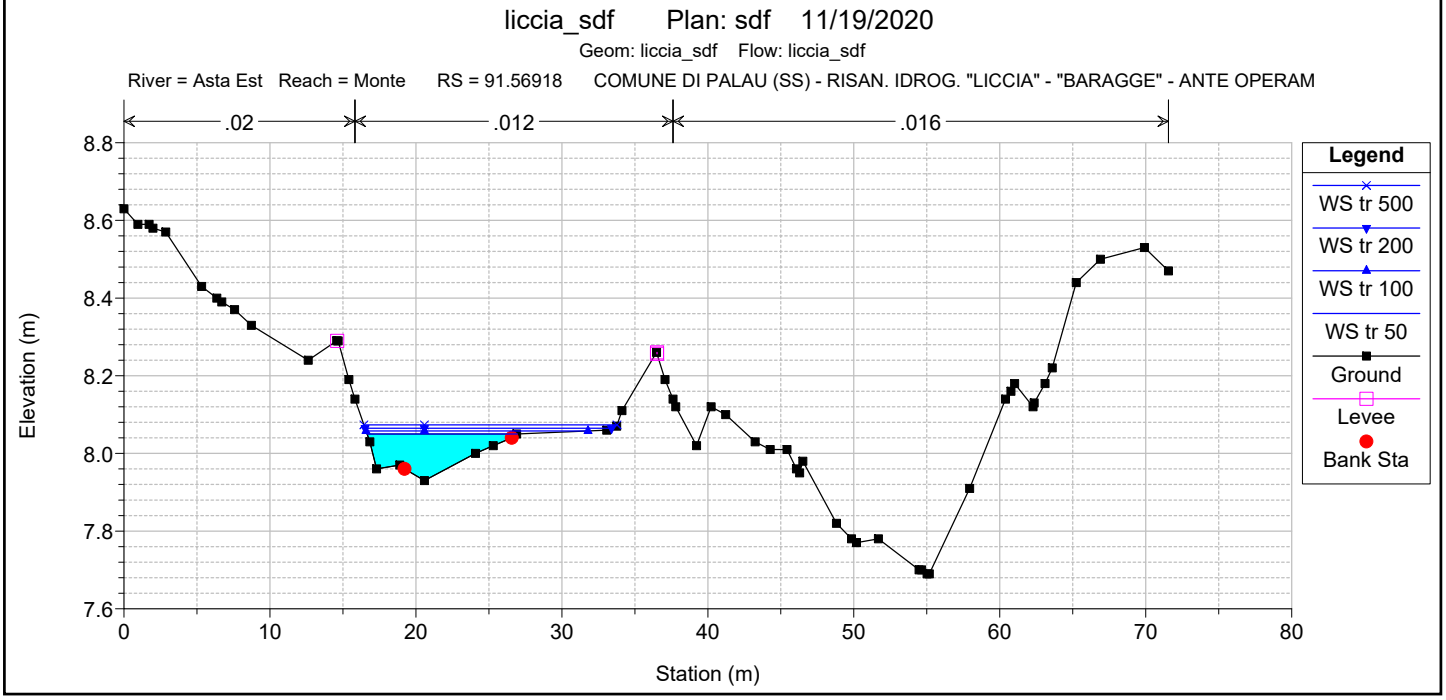

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 248.2557 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 227.2584 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 206.8778 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 190.8231 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

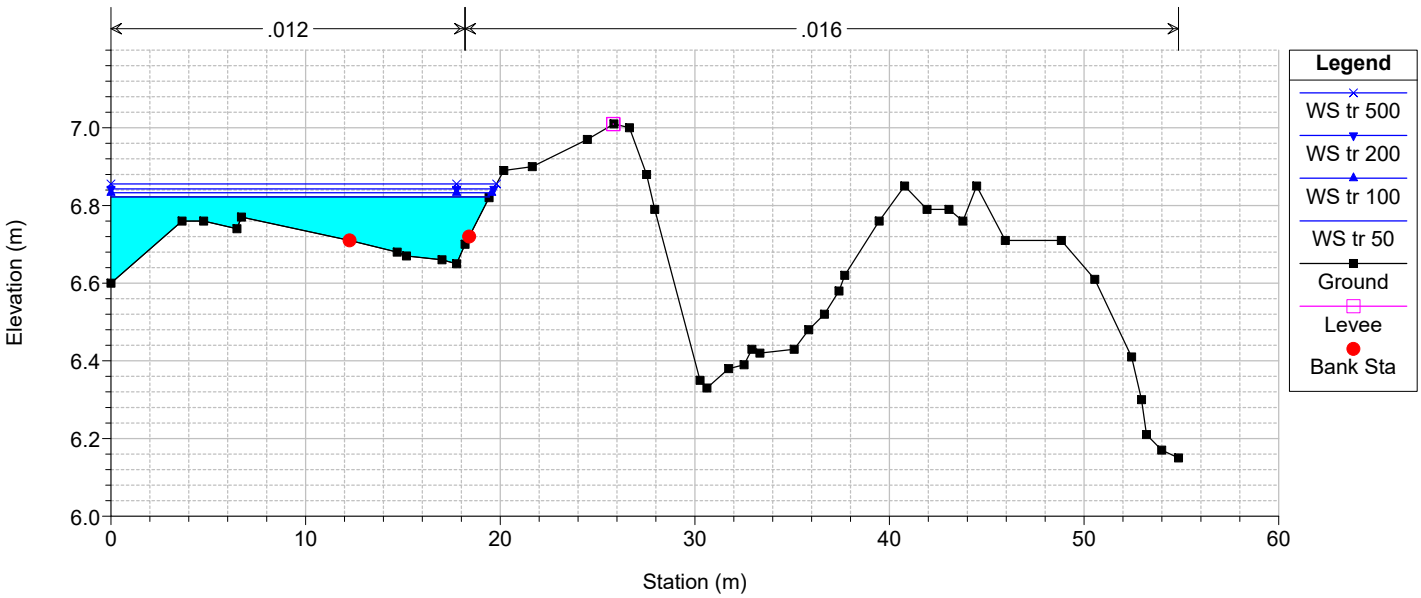

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 117.8451 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Asta Est Reach = Monte RS = 91.56918 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

River = Asta Est Reach = Monte RS = 45.42807 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

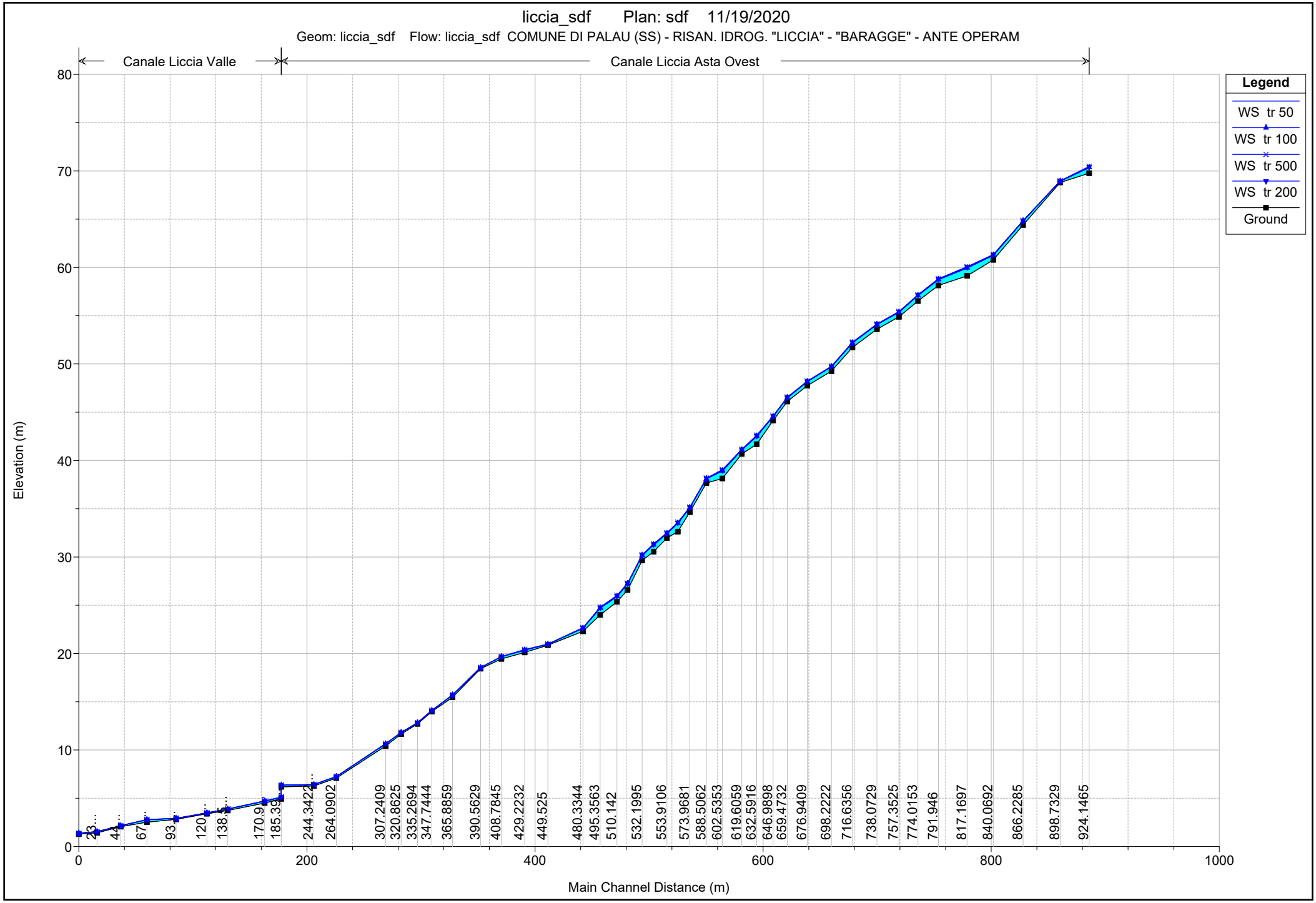


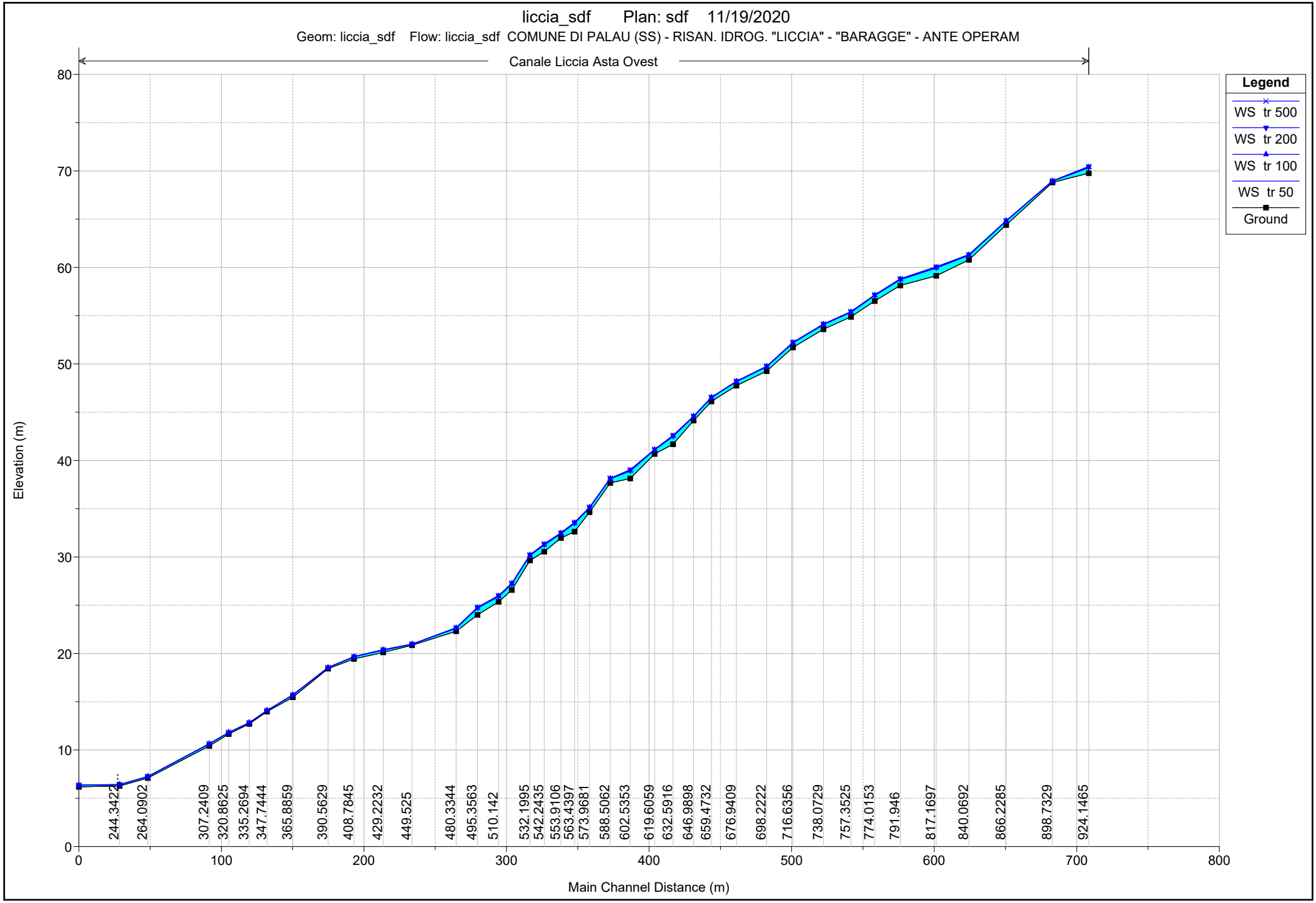
HEC-RAS Plan: sdf River: Asta Est Reach: Monte

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Monte	643.5892	tr 50	2.07	62.96	63.47	63.47	63.62	0.110259	1.75	1.34	5.10	0.89
Monte	643.5892	tr 100	2.38	62.96	63.51	63.51	63.66	0.105512	1.80	1.52	5.42	0.88
Monte	643.5892	tr 200	2.71	62.96	63.54	63.54	63.69	0.103475	1.87	1.68	5.70	0.89
Monte	643.5892	tr 500	3.18	62.96	63.58	63.58	63.75	0.101439	1.96	1.92	6.08	0.89
Monte	629.524	tr 50	2.07	61.70	62.15	62.02	62.19	0.067110	0.87	2.49	7.85	0.46
Monte	629.524	tr 100	2.38	61.70	62.18	62.04	62.22	0.068126	0.92	2.72	7.98	0.47
Monte	629.524	tr 200	2.71	61.70	62.21	62.06	62.25	0.068870	0.97	2.94	8.11	0.48
Monte	629.524	tr 500	3.18	61.70	62.25	62.09	62.30	0.069730	1.04	3.25	8.28	0.49
Monte	616.7387	tr 50	2.07	60.09	60.48	60.48	60.60	0.302326	1.59	1.45	6.51	0.94
Monte	616.7387	tr 100	2.38	60.09	60.50	60.50	60.63	0.293050	1.65	1.61	6.73	0.94
Monte	616.7387	tr 200	2.71	60.09	60.53	60.53	60.66	0.286267	1.71	1.77	6.95	0.94
Monte	616.7387	tr 500	3.18	60.09	60.56	60.56	60.70	0.278880	1.79	2.00	7.24	0.94
Monte	600.5988	tr 50	2.07	56.71	57.31	57.19	57.37	0.098004	1.10	1.97	5.98	0.56
Monte	600.5988	tr 100	2.38	56.71	57.34	57.22	57.41	0.099220	1.17	2.15	6.13	0.57
Monte	600.5988	tr 200	2.71	56.71	57.37	57.25	57.45	0.101341	1.23	2.33	6.27	0.58
Monte	600.5988	tr 500	3.18	56.71	57.41	57.29	57.50	0.104107	1.32	2.57	6.46	0.60
Monte	585.8693	tr 50	2.07	54.56	55.00	55.00	55.13	0.270718	1.63	1.44	6.23	0.91
Monte	585.8693	tr 100	2.38	54.56	55.03	55.03	55.16	0.266596	1.70	1.60	6.51	0.91
Monte	585.8693	tr 200	2.71	54.56	55.06	55.06	55.19	0.259015	1.75	1.78	6.81	0.91
Monte	585.8693	tr 500	3.18	54.56	55.09	55.09	55.24	0.249745	1.83	2.03	7.26	0.91
Monte	571.2179	tr 50	2.07	51.26	51.84	51.68	51.89	0.067003	0.99	2.27	6.58	0.48
Monte	571.2179	tr 100	2.38	51.26	51.87	51.72	51.93	0.068465	1.04	2.49	6.83	0.49
Monte	571.2179	tr 200	2.71	51.26	51.91	51.74	51.96	0.069483	1.10	2.71	7.06	0.49
Monte	571.2179	tr 500	3.18	51.26	51.95	51.77	52.01	0.070945	1.17	3.00	7.30	0.51
Monte	548.5883	tr 50	2.07	49.05	49.49	49.43	49.56	0.176329	1.37	1.75	6.64	0.75
Monte	548.5883	tr 100	2.38	49.05	49.52	49.46	49.60	0.170762	1.43	1.95	6.90	0.74
Monte	548.5883	tr 200	2.71	49.05	49.54	49.48	49.63	0.167639	1.48	2.14	7.14	0.75
Monte	548.5883	tr 500	3.18	49.05	49.58		49.68	0.162999	1.55	2.42	7.46	0.75
Monte	535.1843	tr 50	2.07	46.57	47.04	47.01	47.16	0.183539	1.65	1.46	4.77	0.79
Monte	535.1843	tr 100	2.38	46.57	47.07	47.04	47.20	0.188560	1.75	1.61	5.08	0.81
Monte	535.1843	tr 200	2.71	46.57	47.10	47.07	47.24	0.190952	1.83	1.77	5.40	0.82
Monte	535.1843	tr 500	3.18	46.57	47.14	47.12	47.30	0.194914	1.94	1.99	5.81	0.84
Monte	522.8927	tr 50	2.07	44.01	44.62	44.58	44.74	0.209028	1.62	1.39	4.33	0.82
Monte	522.8927	tr 100	2.38	44.01	44.66	44.61	44.79	0.203386	1.69	1.55	4.50	0.82
Monte	522.8927	tr 200	2.71	44.01	44.69	44.65	44.83	0.200365	1.76	1.70	4.68	0.82
Monte	522.8927	tr 500	3.18	44.01	44.73	44.69	44.89	0.195135	1.85	1.93	5.03	0.82
Monte	506.1768	tr 50	2.07	40.83	41.36	41.32	41.45	0.184625	1.37	1.65	6.51	0.75
Monte	506.1768	tr 100	2.38	40.83	41.38	41.35	41.48	0.191037	1.46	1.80	6.67	0.78
Monte	506.1768	tr 200	2.71	40.83	41.41	41.37	41.52	0.194936	1.53	1.96	6.83	0.79
Monte	506.1768	tr 500	3.18	40.83	41.44	41.41	41.56	0.202051	1.64	2.16	7.04	0.82
Monte	484.7598	tr 50	2.07	35.62	36.07	36.07	36.18	0.344610	1.52	1.41	6.46	0.98
Monte	484.7598	tr 100	2.38	35.62	36.09	36.09	36.21	0.329182	1.58	1.56	6.66	0.97
Monte	484.7598	tr 200	2.71	35.62	36.11	36.11	36.25	0.320732	1.64	1.71	6.78	0.97
Monte	484.7598	tr 500	3.18	35.62	36.14	36.14	36.29	0.306951	1.72	1.93	6.96	0.96
Monte	466.0436	tr 50	2.07	30.64	31.24	31.17	31.32	0.158448	1.33	1.62	5.21	0.70
Monte	466.0436	tr 100	2.38	30.64	31.26	31.19	31.36	0.161486	1.41	1.77	5.35	0.72
Monte	466.0436	tr 200	2.71	30.64	31.29	31.22	31.40	0.164264	1.48	1.91	5.48	0.73
Monte	466.0436	tr 500	3.18	30.64	31.33	31.26	31.45	0.170625	1.60	2.11	5.65	0.75
Monte	446.8564	tr 50	2.07	26.99	27.50	27.50	27.64	0.235983	1.75	1.38	5.33	0.88
Monte	446.8564	tr 100	2.38	26.99	27.53	27.53	27.68	0.230504	1.81	1.55	5.61	0.88
Monte	446.8564	tr 200	2.71	26.99	27.56	27.56	27.72	0.225845	1.87	1.72	5.89	0.88
Monte	446.8564	tr 500	3.18	26.99	27.61	27.61	27.77	0.216474	1.95	1.98	6.28	0.87
Monte	426.1375	tr 50	2.07	21.83	22.63	22.37	22.67	0.033830	0.90	2.73	6.56	0.36
Monte	426.1375	tr 100	2.38	21.83	22.68	22.40	22.71	0.034715	0.95	3.01	6.88	0.37
Monte	426.1375	tr 200	2.71	21.83	22.71	22.43	22.76	0.035714	1.00	3.28	7.18	0.37
Monte	426.1375	tr 500	3.18	21.83	22.77	22.48	22.81	0.036218	1.05	3.67	7.48	0.38
Monte	409.0996	tr 50	2.07	21.01	21.53	21.53	21.67	0.122144	1.74	1.32	5.03	0.93
Monte	409.0996	tr 100	2.38	21.01	21.56	21.56	21.71	0.118059	1.80	1.48	5.28	0.92
Monte	409.0996	tr 200	2.71	21.01	21.59	21.59	21.75	0.113454	1.86	1.65	5.54	0.92
Monte	409.0996	tr 500	3.18	21.01	21.62	21.62	21.80	0.112220	1.96	1.86	5.86	0.93
Monte	388.8012	tr 50	2.07	18.48	19.10	18.84	19.11	0.008113	0.50	4.57	12.84	0.25
Monte	388.8012	tr 100	2.38	18.48	19.11	18.87	19.12	0.009814	0.55	4.70	12.89	0.27
Monte	388.8012	tr 200	2.71	18.48	19.12	18.88	19.13	0.011692	0.61	4.82	12.94	0.30
Monte	388.8012	tr 500	3.18	18.48	19.13	18.89	19.15	0.014451	0.70	4.99	13.00	0.33
Monte	370.9196	tr 50	2.07	16.85	19.10	17.32	19.10	0.000022	0.07	36.73	34.65	0.02
Monte	370.9196	tr 100	2.38	16.85	19.11	17.35	19.11	0.000028	0.08	37.13	34.86	0.02
Monte	370.9196	tr 200	2.71	16.85	19.13	17.37	19.13	0.000035	0.09	37.51	35.06	0.02

HEC-RAS Plan: sdf River: Asta Est Reach: Monte (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Monte	370.9196	tr 500	3.18	16.85	19.14	17.40	19.14	0.000047	0.11	38.07	35.34	0.02
Monte	357.0168	tr 50	2.07	15.60	19.10		19.10	0.000001	0.01	98.36	58.14	0.00
Monte	357.0168	tr 100	2.38	15.60	19.11		19.11	0.000001	0.02	99.03	58.80	0.00
Monte	357.0168	tr 200	2.71	15.60	19.13		19.13	0.000002	0.02	99.68	59.42	0.00
Monte	357.0168	tr 500	3.18	15.60	19.14		19.14	0.000002	0.02	100.63	60.02	0.00
Monte	334.0483	tr 50	2.07	18.96	19.06	19.06	19.10	0.017724	1.03	2.67	36.24	1.33
Monte	334.0483	tr 100	2.38	18.96	19.07	19.07	19.11	0.016811	1.07	2.96	37.43	1.32
Monte	334.0483	tr 200	2.71	18.96	19.08	19.08	19.12	0.015083	1.08	3.31	38.84	1.27
Monte	334.0483	tr 500	3.18	18.96	19.09	19.09	19.14	0.014741	1.15	3.68	40.38	1.28
Monte	299.0337	tr 50	2.07	15.19	15.36	15.58	17.37	0.241319	6.28	0.33	3.53	6.55
Monte	299.0337	tr 100	2.38	15.19	15.37	15.60	17.45	0.226699	6.39	0.37	3.70	6.43
Monte	299.0337	tr 200	2.71	15.19	15.38	15.63	17.58	0.219685	6.57	0.41	3.84	6.40
Monte	299.0337	tr 500	3.18	15.19	15.40	15.66	17.64	0.197770	6.64	0.48	4.06	6.17
Monte	262.5223	tr 50	2.07	10.05	11.72	10.55	11.72	0.000002	0.10	26.31	32.07	0.03
Monte	262.5223	tr 100	2.38	10.05	11.74	10.57	11.74	0.000002	0.11	27.22	32.12	0.03
Monte	262.5223	tr 200	2.71	10.05	11.77	10.60	11.77	0.000003	0.12	28.08	32.16	0.03
Monte	262.5223	tr 500	3.18	10.05	11.81	10.65	11.81	0.000003	0.14	29.23	32.23	0.04
Monte	248.2557	tr 50	2.07	10.85	11.72		11.72	0.000002	0.06	38.33	74.11	0.02
Monte	248.2557	tr 100	2.38	10.85	11.74		11.74	0.000002	0.07	40.42	74.22	0.03
Monte	248.2557	tr 200	2.71	10.85	11.77		11.77	0.000002	0.08	42.41	74.33	0.03
Monte	248.2557	tr 500	3.18	10.85	11.81		11.81	0.000002	0.08	45.09	74.47	0.03
Monte	227.2584	tr 50	2.07	11.31	11.61	11.61	11.71	0.001994	1.40	1.60	9.62	0.95
Monte	227.2584	tr 100	2.38	11.31	11.63	11.63	11.73	0.001893	1.44	1.84	10.70	0.93
Monte	227.2584	tr 200	2.71	11.31	11.65	11.65	11.76	0.001820	1.48	2.08	11.72	0.92
Monte	227.2584	tr 500	3.18	11.31	11.68	11.68	11.80	0.001780	1.55	2.42	13.02	0.91
Monte	206.8778	tr 50	2.07	10.86	10.99	11.08	11.54	0.110082	3.10	0.66	11.19	4.04
Monte	206.8778	tr 100	2.38	10.86	11.00	11.10	11.57	0.100457	3.20	0.73	11.29	3.94
Monte	206.8778	tr 200	2.71	10.86	11.00	11.12	11.60	0.091740	3.28	0.82	11.40	3.85
Monte	206.8778	tr 500	3.18	10.86	11.01	11.14	11.63	0.080387	3.38	0.94	11.56	3.70
Monte	190.8231	tr 50	2.07	9.95	10.07	10.16	10.55	0.037654	3.63	0.74	12.08	3.55
Monte	190.8231	tr 100	2.38	9.95	10.08	10.17	10.60	0.038915	3.82	0.82	13.20	3.65
Monte	190.8231	tr 200	2.71	9.95	10.08	10.18	10.65	0.040185	4.02	0.89	14.39	3.74
Monte	190.8231	tr 500	3.18	9.95	10.09	10.20	10.72	0.042087	4.28	1.00	15.51	3.86
Monte	117.8451	tr 50	2.07	8.73	8.86	8.92	9.05	0.011861	2.18	1.14	14.10	2.03
Monte	117.8451	tr 100	2.38	8.73	8.87	8.93	9.07	0.011853	2.28	1.26	15.93	2.05
Monte	117.8451	tr 200	2.71	8.73	8.88	8.94	9.09	0.011889	2.37	1.39	18.56	2.07
Monte	117.8451	tr 500	3.18	8.73	8.89	8.95	9.12	0.011927	2.53	1.66	19.63	2.11
Monte	91.56918	tr 50	2.07	7.93	8.05	8.13	8.49	0.042154	2.91	0.71	10.25	3.51
Monte	91.56918	tr 100	2.38	7.93	8.06	8.14	8.52	0.039305	3.01	0.81	15.14	3.45
Monte	91.56918	tr 200	2.71	7.93	8.06	8.15	8.55	0.037453	3.11	0.92	16.88	3.41
Monte	91.56918	tr 500	3.18	7.93	8.07	8.17	8.59	0.035916	3.25	1.07	17.34	3.40
Monte	45.42807	tr 50	2.07	6.65	6.82	6.82	6.87	0.002546	1.15	2.12	19.46	0.97
Monte	45.42807	tr 100	2.38	6.65	6.83	6.83	6.89	0.002506	1.19	2.33	19.57	0.97
Monte	45.42807	tr 200	2.71	6.65	6.84	6.84	6.91	0.002495	1.24	2.53	19.68	0.98
Monte	45.42807	tr 500	3.18	6.65	6.86	6.86	6.93	0.002550	1.32	2.78	19.81	1.00


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
Canale Liccia Valle
Canale Liccia Asta Ovest
Legend
WS tr 50
WS tr 100
WS tr 500
WS tr 200
Ground
Elevation (m)
Main Channel Distance (m)
0
10
20
30
40
50
60
70
80
0
200
400
600
800
1000
23...
44...
67...
93...
120...
138.5...
170.9...
185.39...
244.3422...
264.0902
307.2409
320.8625
335.2694
347.7444
365.8859
390.5629
408.7845
429.2232
449.525
480.3344
495.3563
510.142
532.1995
553.9106
573.9681
588.5062
602.5353
619.6059
632.5916
646.9898
659.4732
676.9409
698.2222
716.6356
738.0729
757.3525
774.0153
791.946
817.1697
840.0692
866.2285
898.7329
924.1465


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
Canale Liccia Asta Ovest
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Elevation (m)
Main Channel Distance (m)
0
10
20
30
40
50
60
70
80
0
100
200
300
400
500
600
700
800
244.3422
264.0902
307.2409
320.8625
335.2694
347.7444
365.8859
390.5629
408.7845
429.2232
449.525
480.3344
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542.2435
553.9106
563.4397
573.9681
588.5062
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619.6059
632.5916
646.9898
659.4732
676.9409
698.2222
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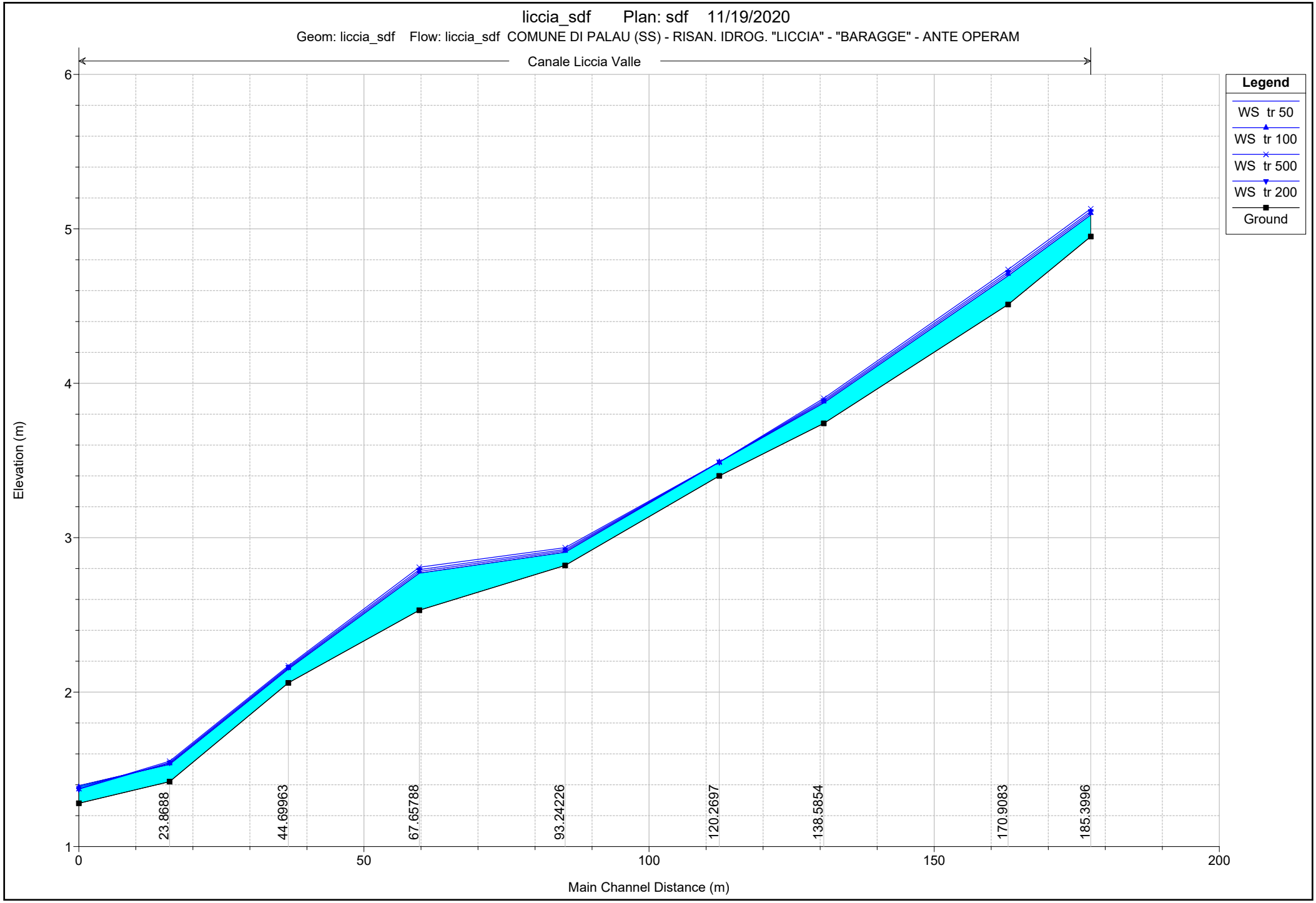
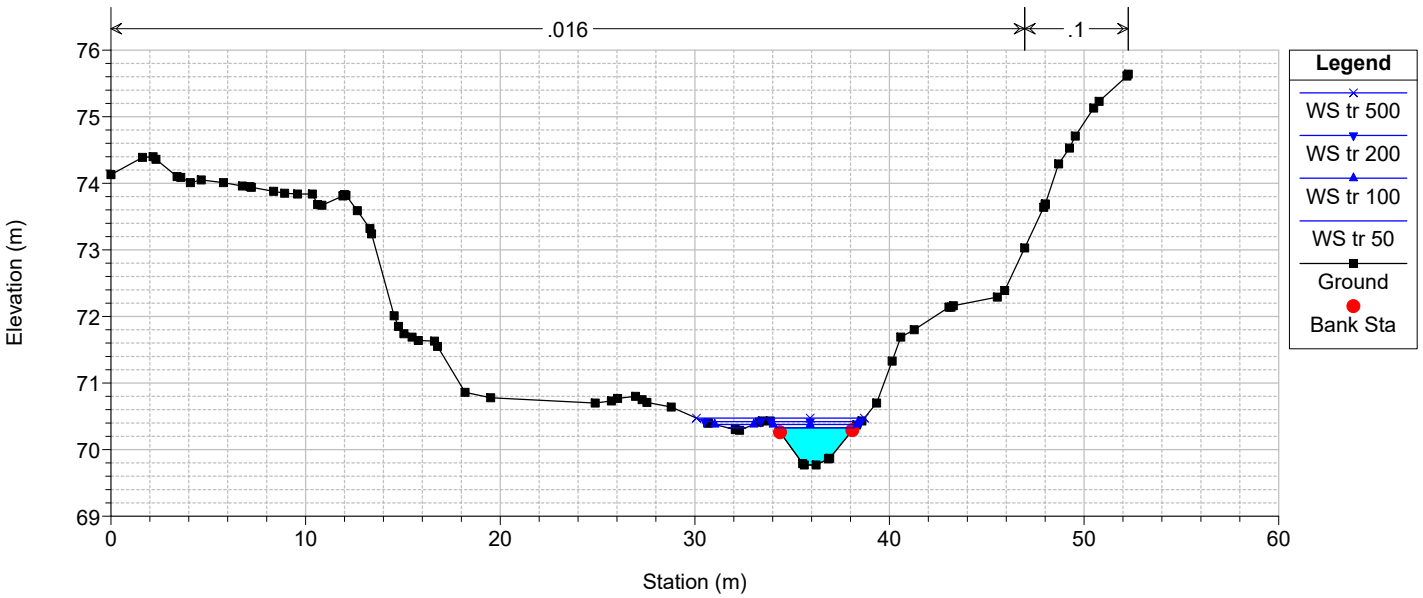
757.3525
774.0153
791.946
817.1697
840.0692
866.2285
898.7329
924.1465


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
Canale Liccia Valle
Legend
WS tr 50
WS tr 100
WS tr 500
WS tr 200
Ground
Elevation (m)
Main Channel Distance (m)
23.8688
44.69963
67.65788
93.24226
120.2697
138.5854
170.9083
185.3996

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

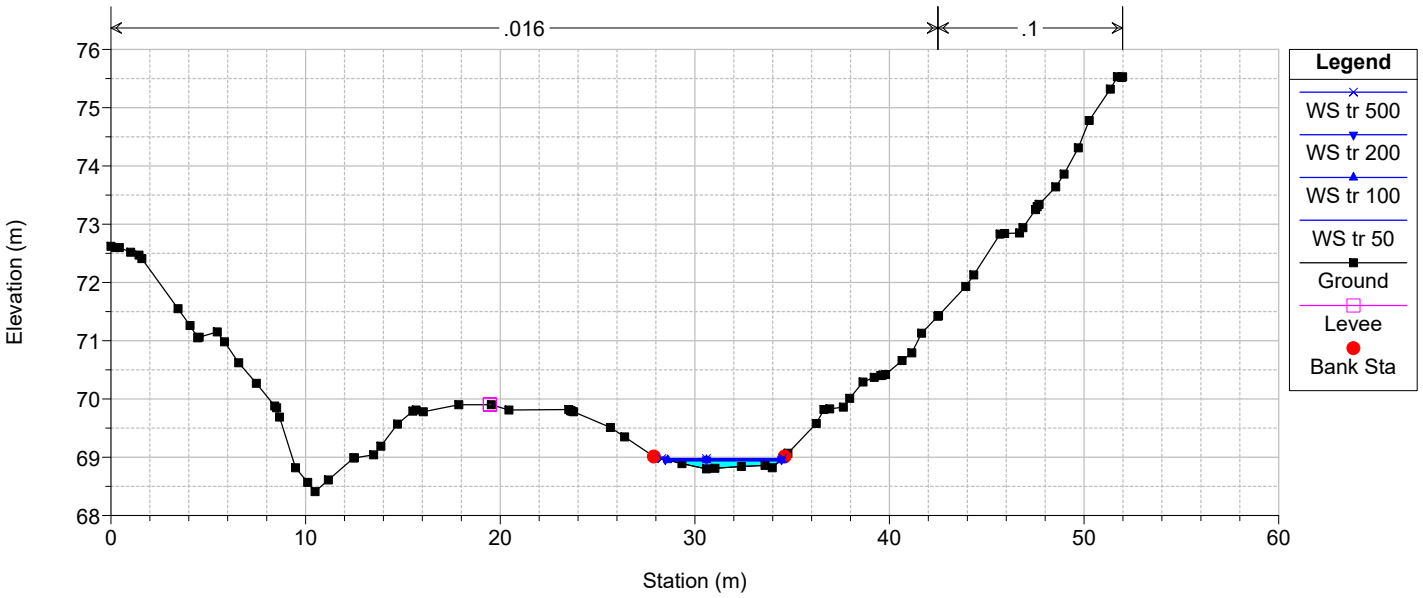
River = Canale Liccia Reach = Asta Ovest RS = 924.1465 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

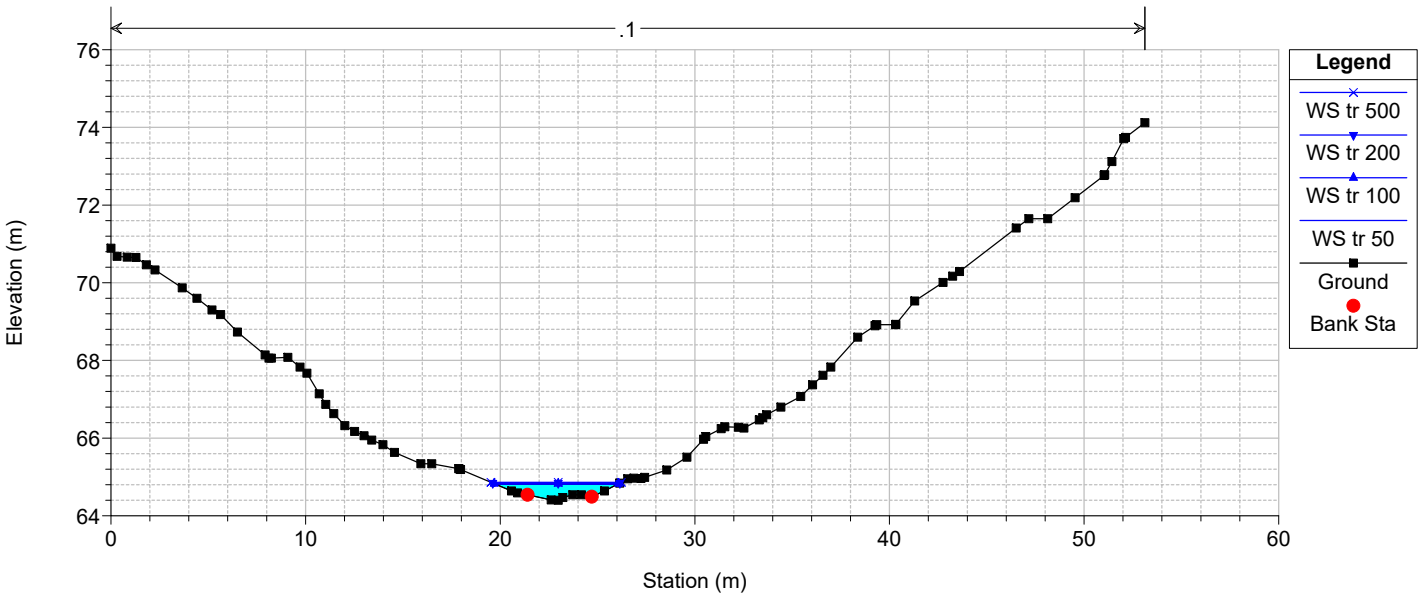
River = Canale Liccia Reach = Asta Ovest RS = 898.7329 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

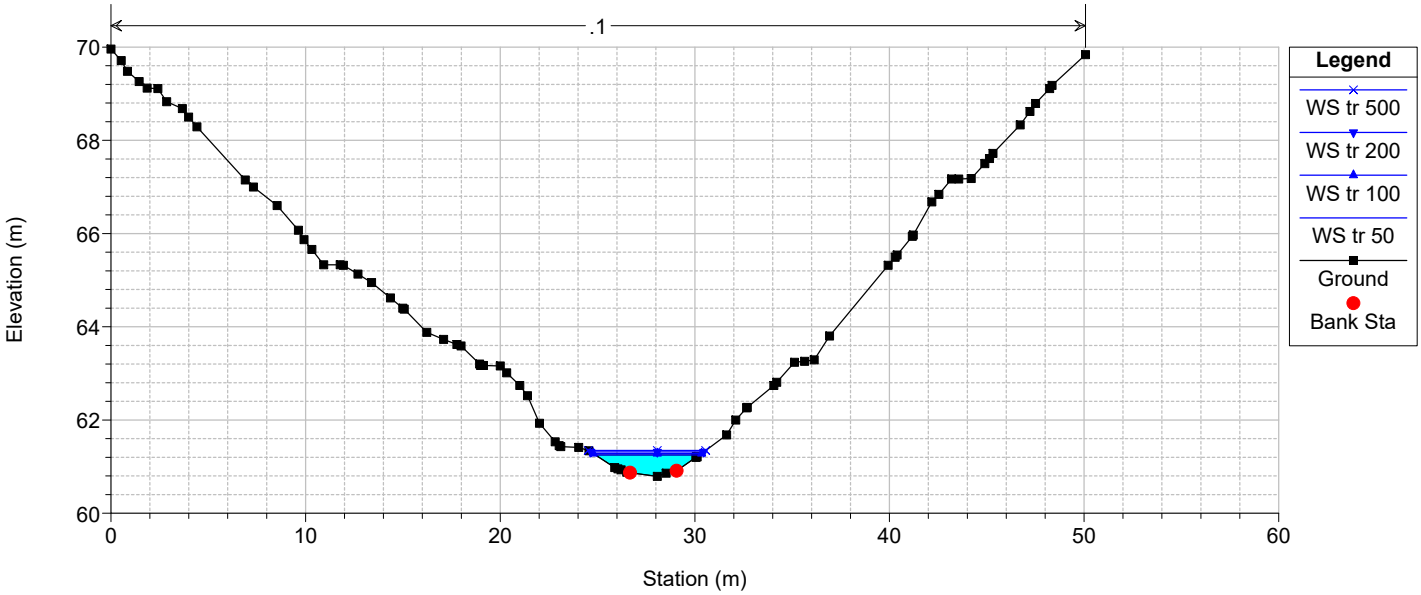
River = Canale Liccia Reach = Asta Ovest RS = 866.2285 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

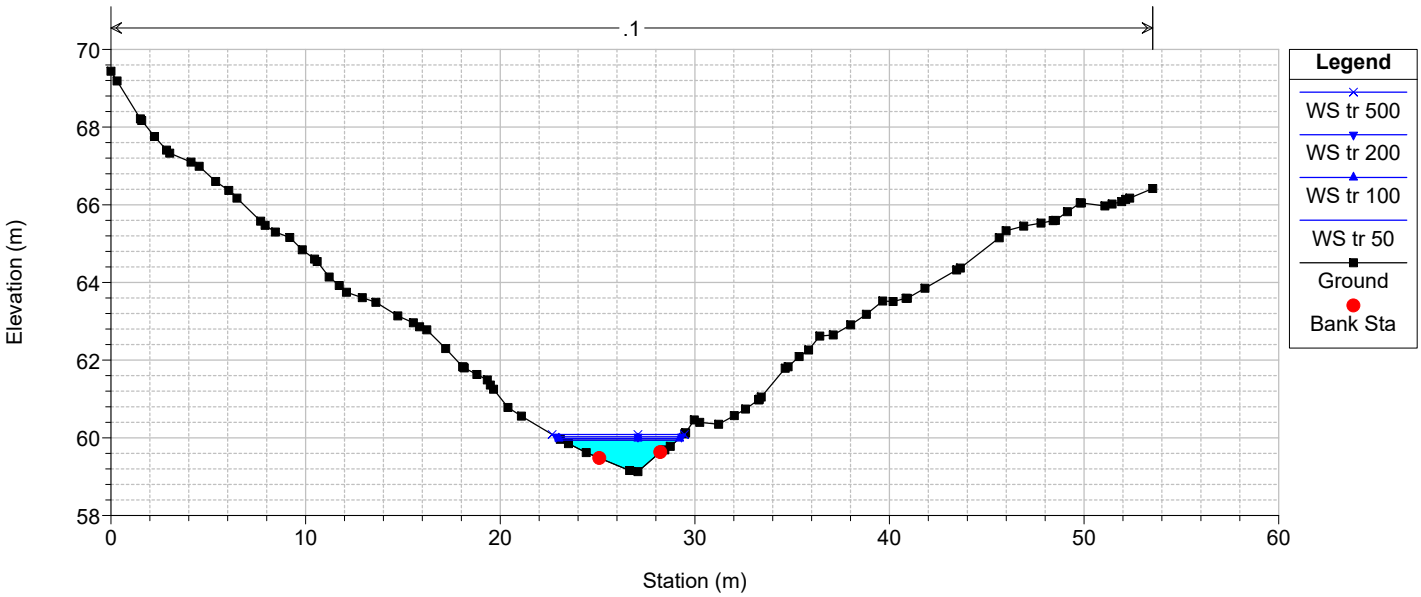
River = Canale Liccia Reach = Asta Ovest RS = 840.0692 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

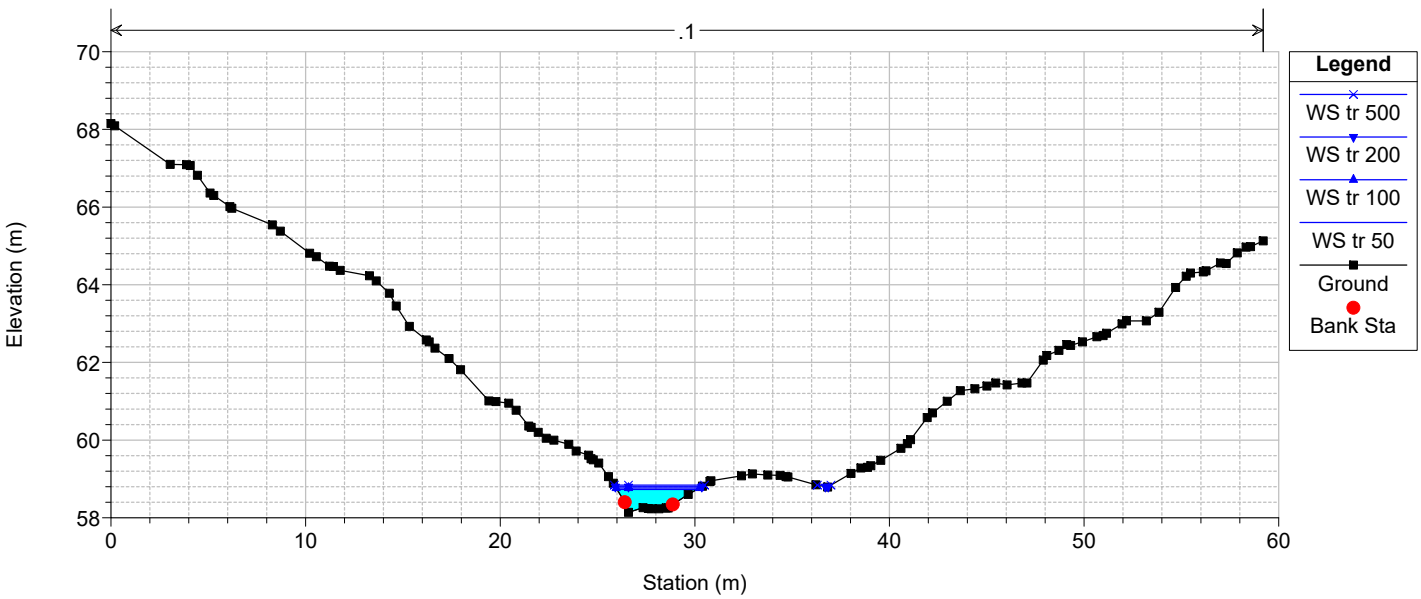
River = Canale Liccia Reach = Asta Ovest RS = 817.1697 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

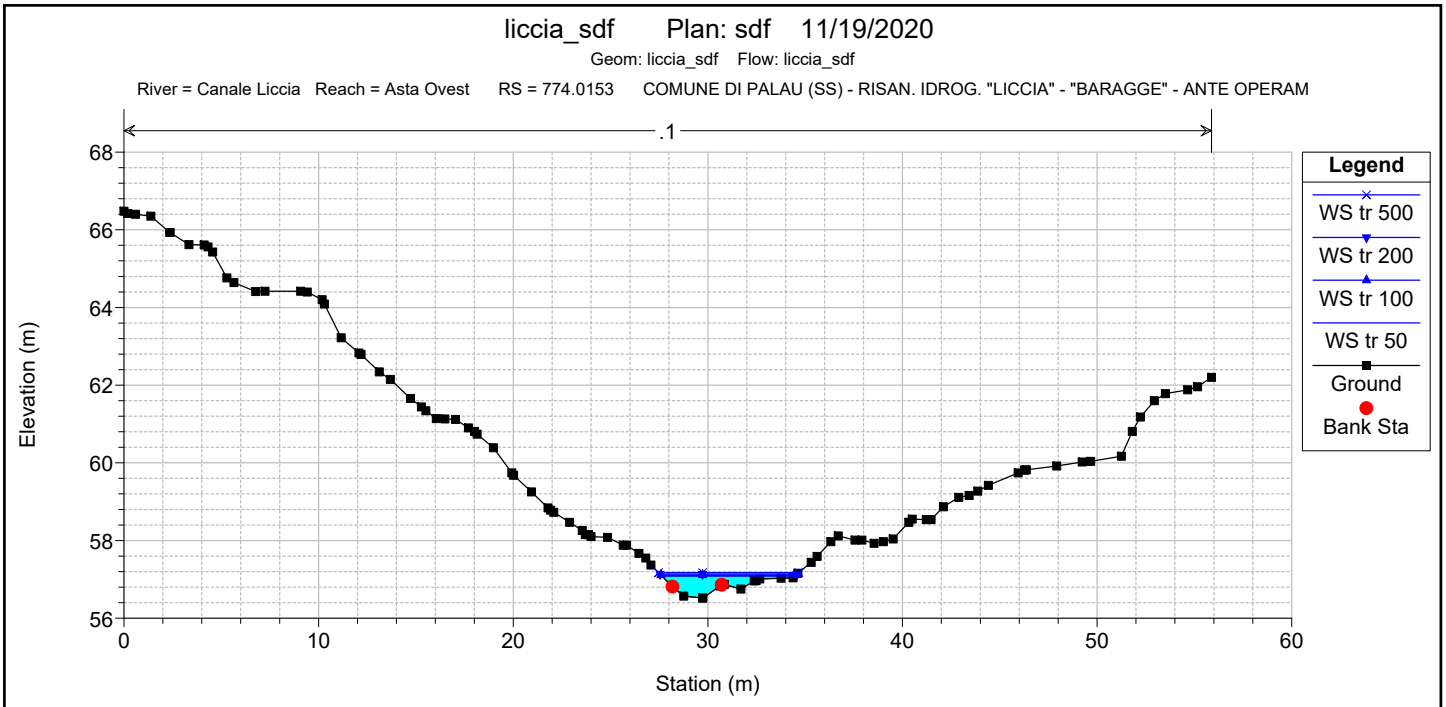


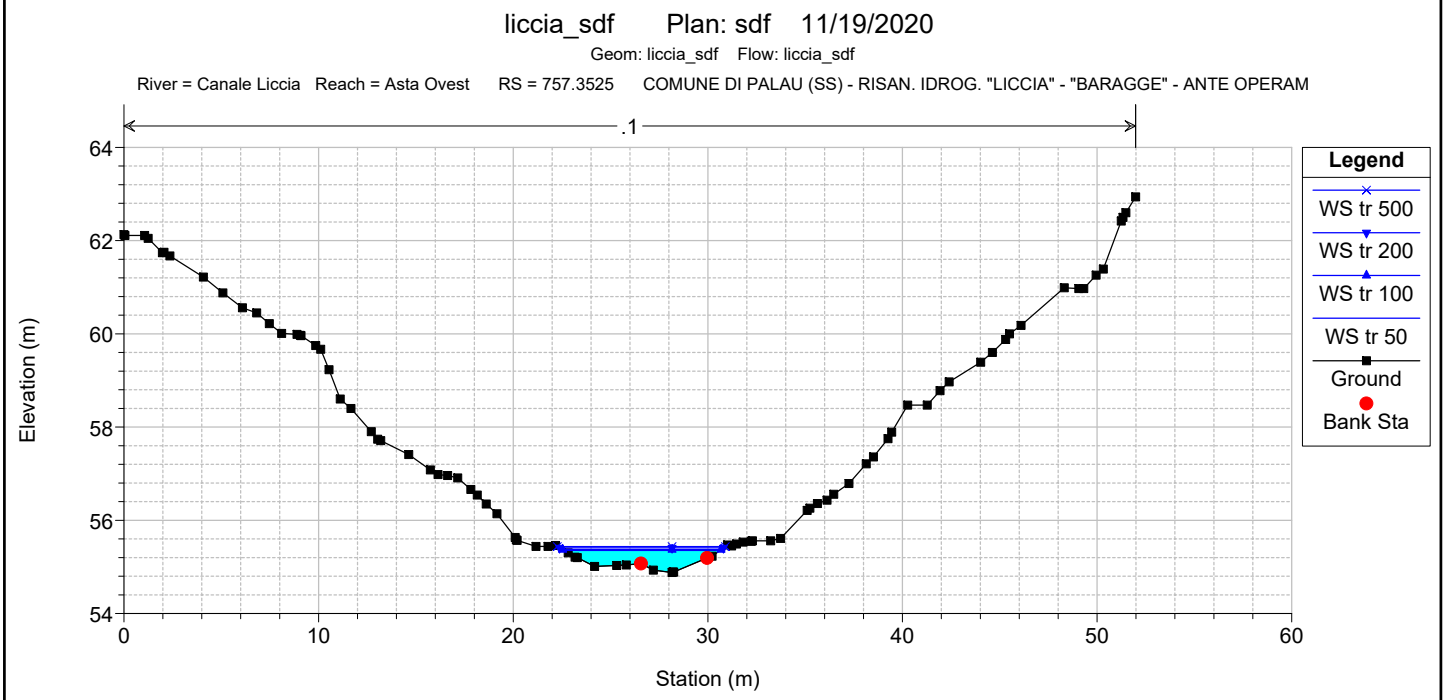
liccia_sdf Plan: sdf 11/19/2020

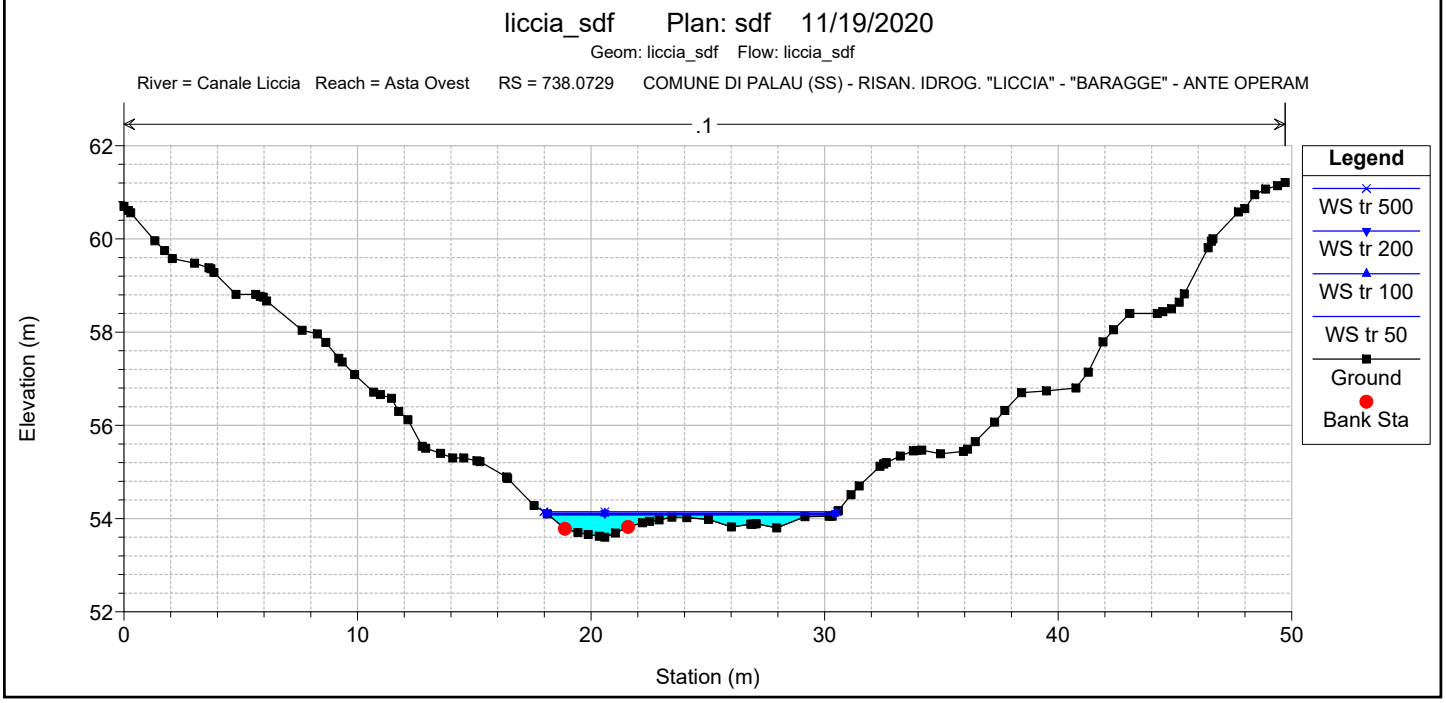
Geom: liccia_sdf Flow: liccia_sdf

River = Canale Liccia Reach = Asta Ovest RS = 791.946 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM




liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 774.0153 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

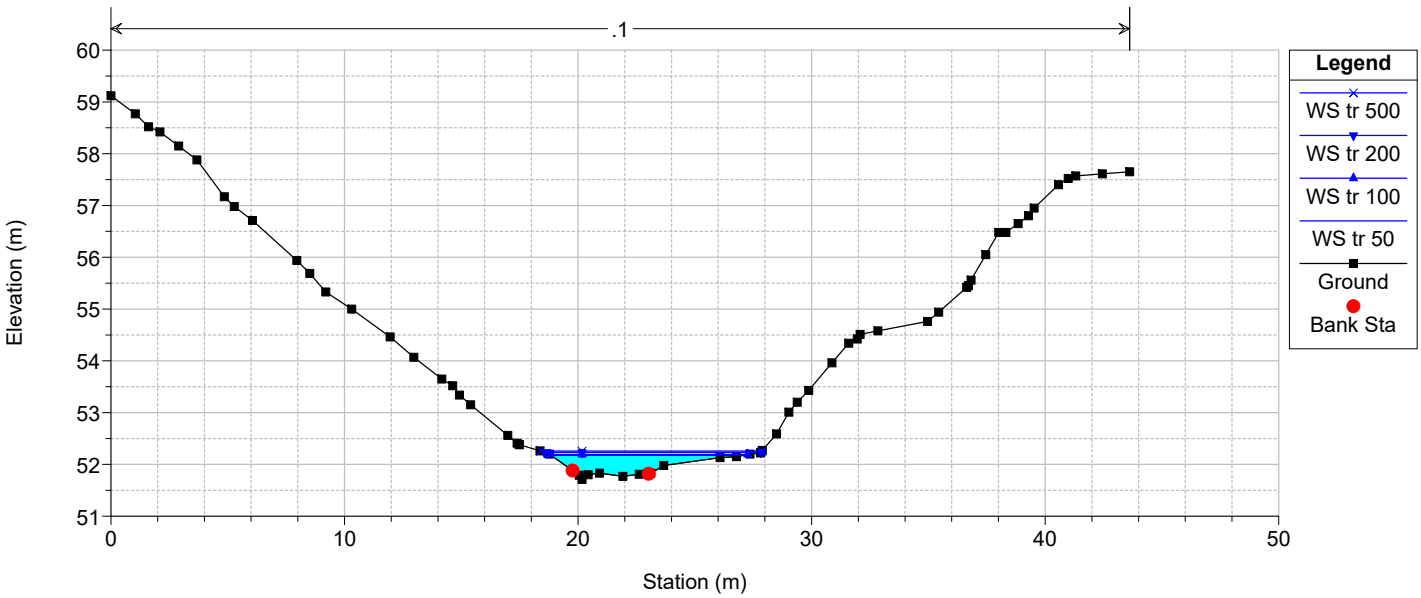

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 757.3525 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 738.0729 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.1
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

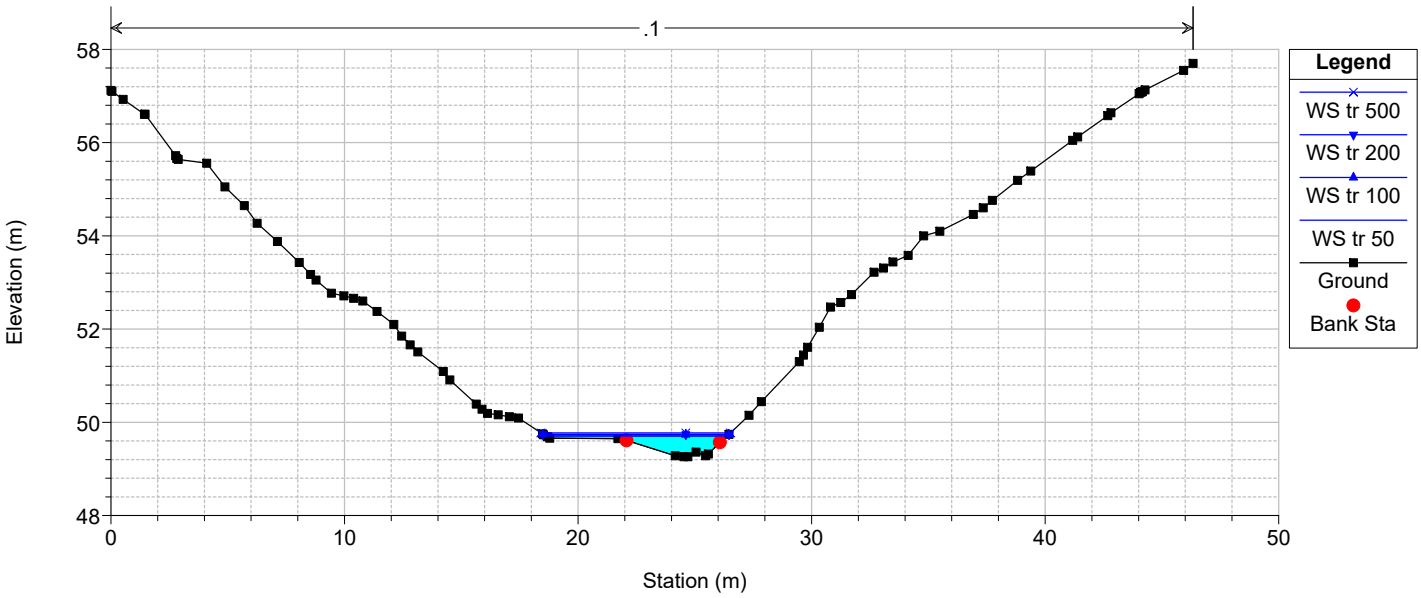
River = Canale Liccia Reach = Asta Ovest RS = 716.6356 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

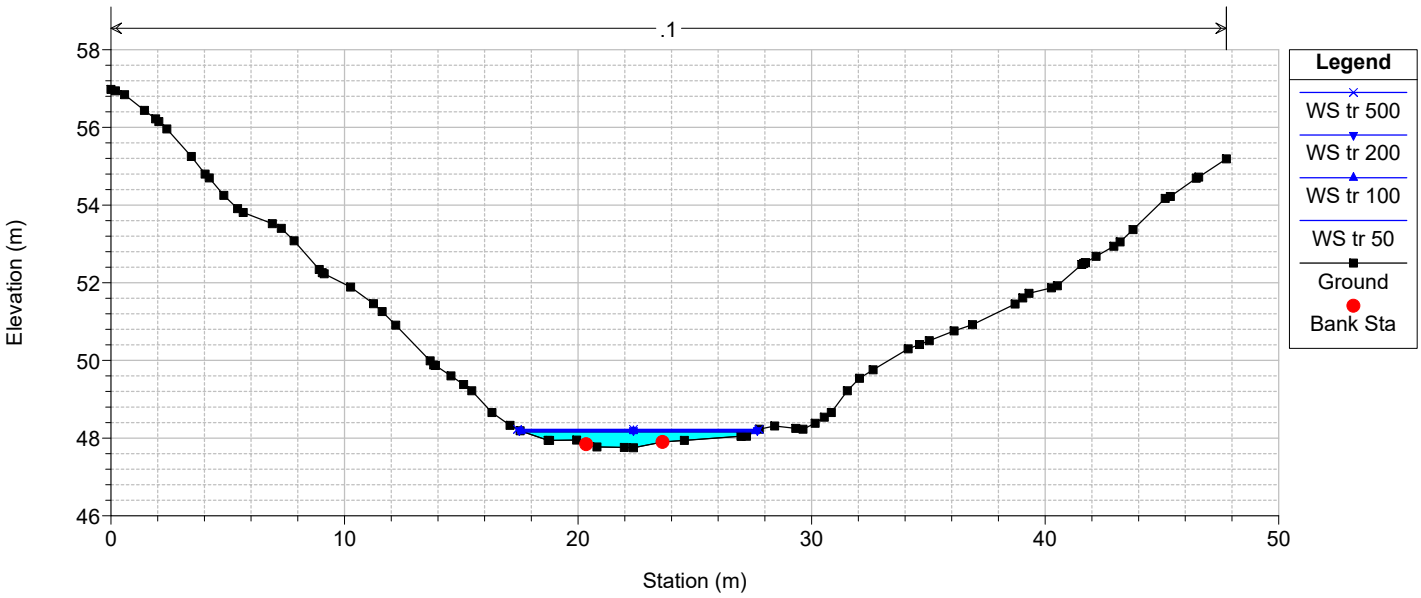
River = Canale Liccia Reach = Asta Ovest RS = 698.2222 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

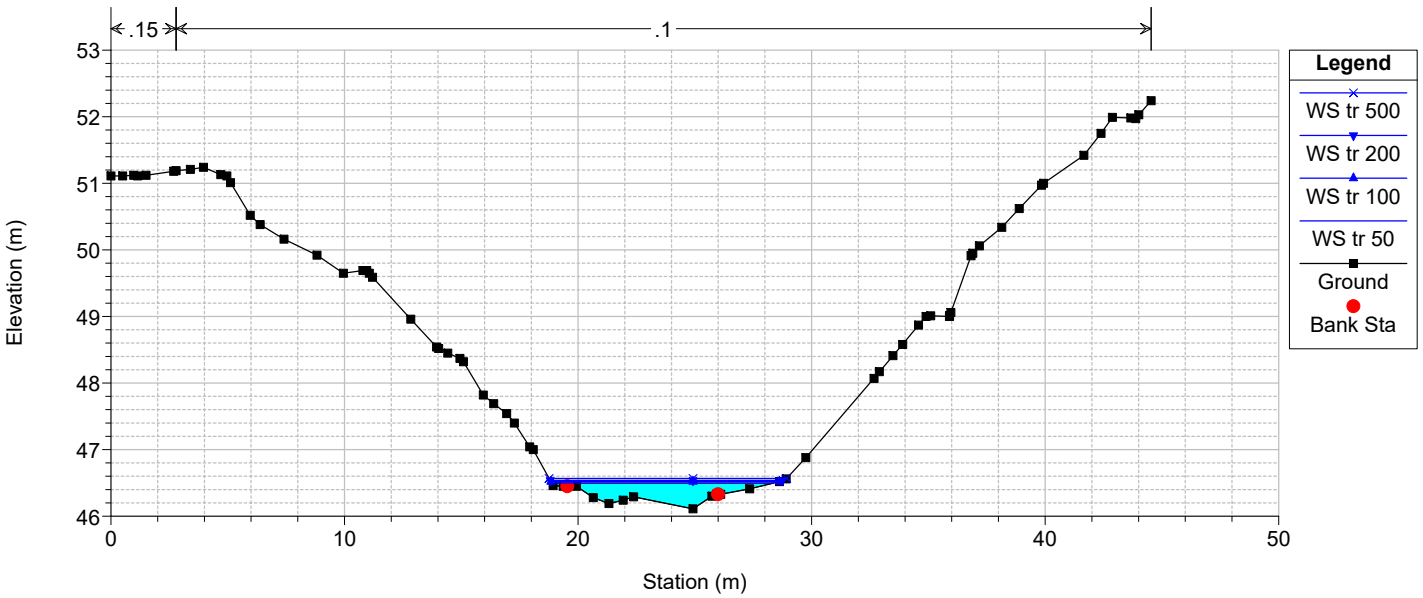
River = Canale Liccia Reach = Asta Ovest RS = 676.9409 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

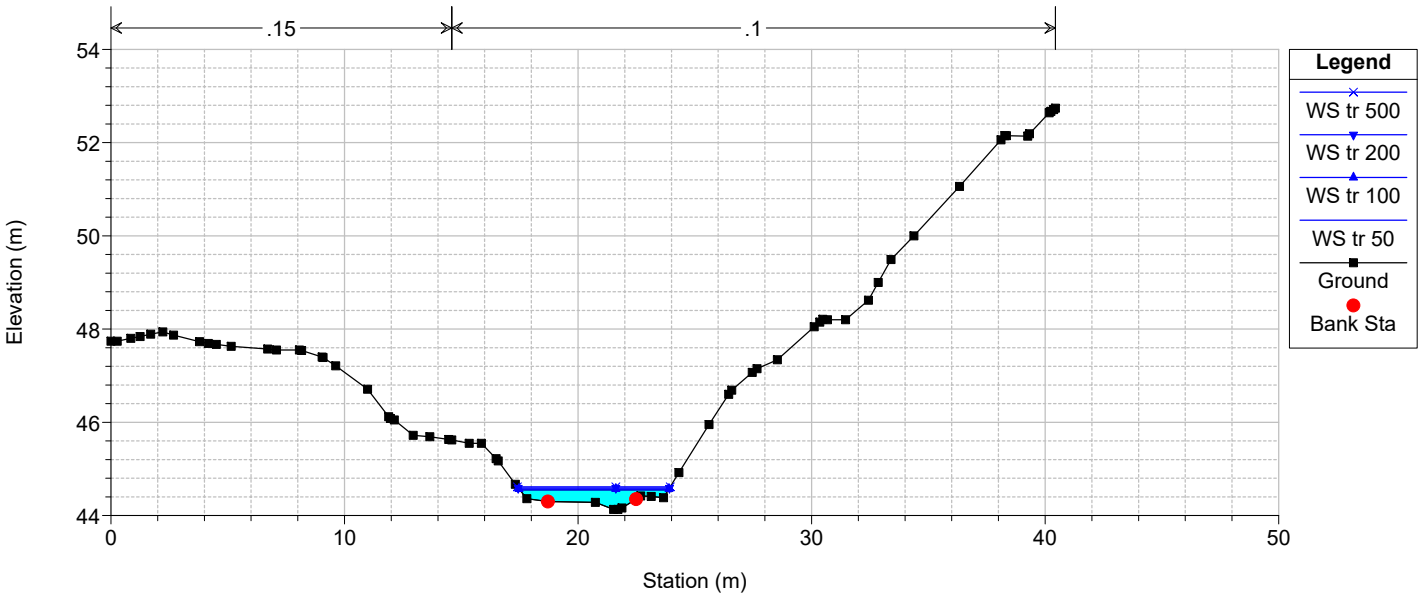
River = Canale Liccia Reach = Asta Ovest RS = 659.4732 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

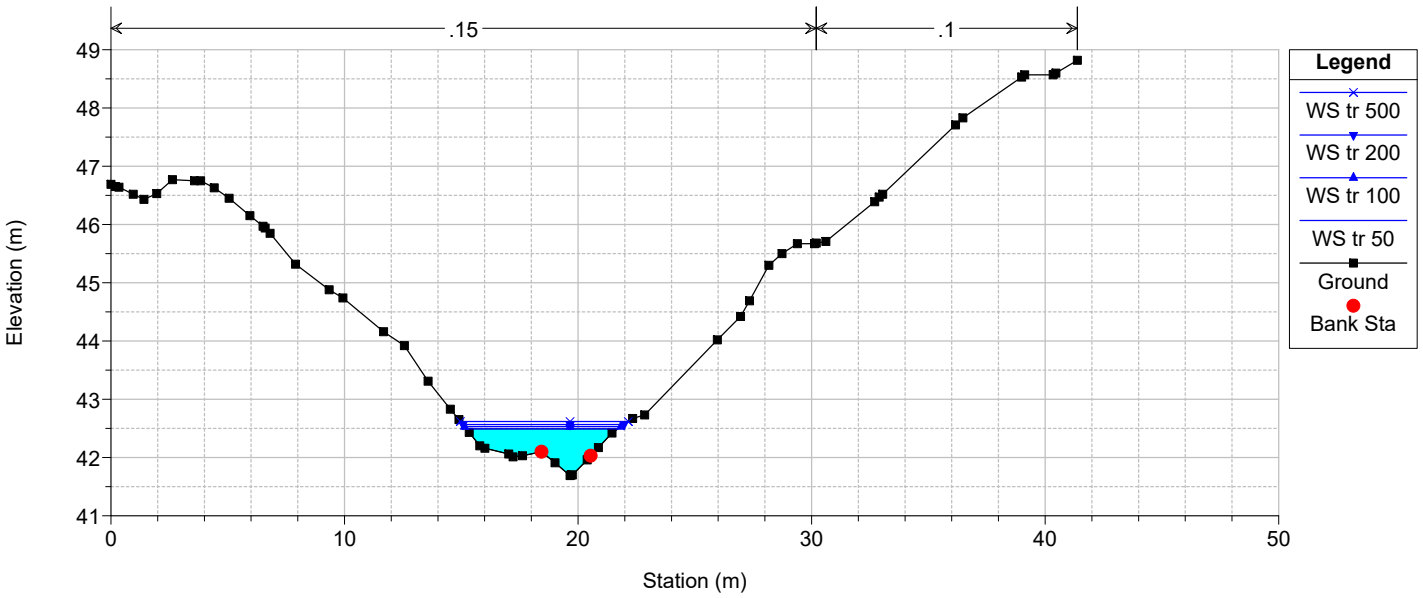
River = Canale Liccia Reach = Asta Ovest RS = 646.9898 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

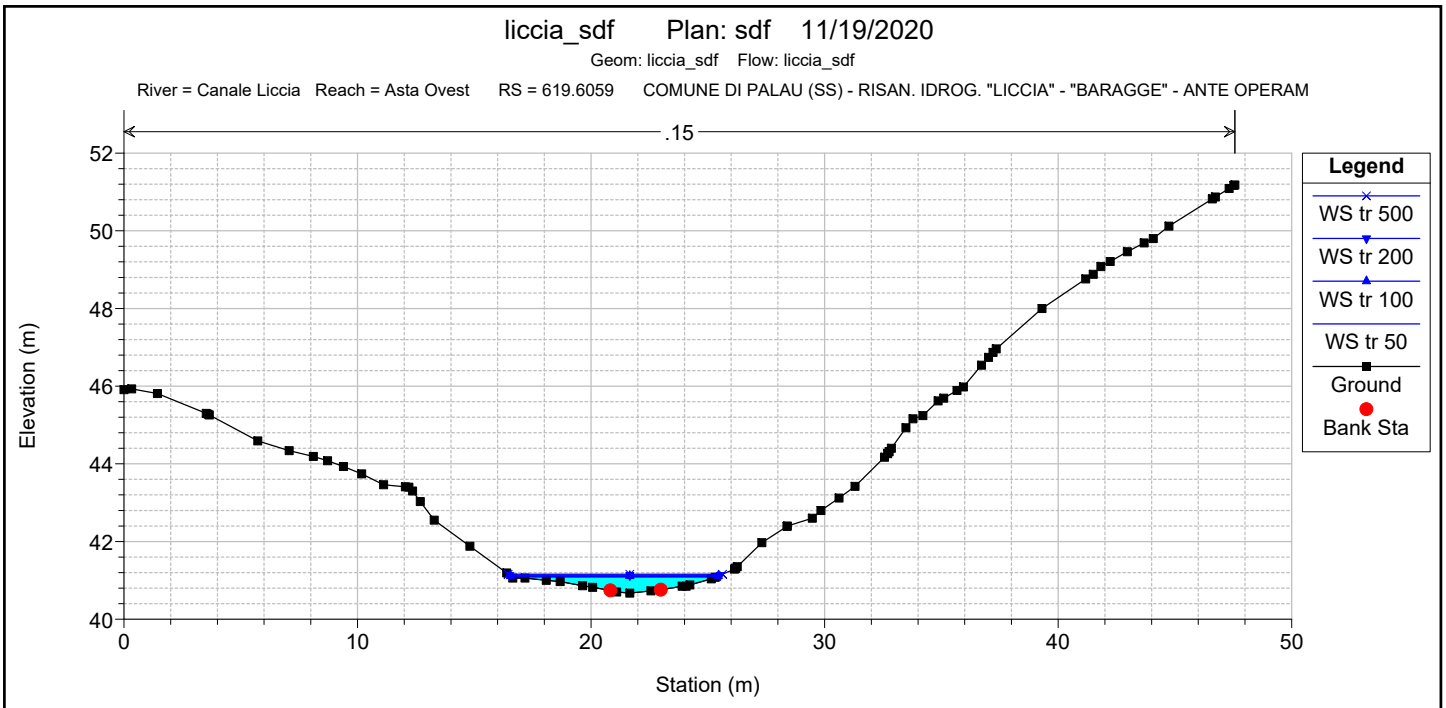


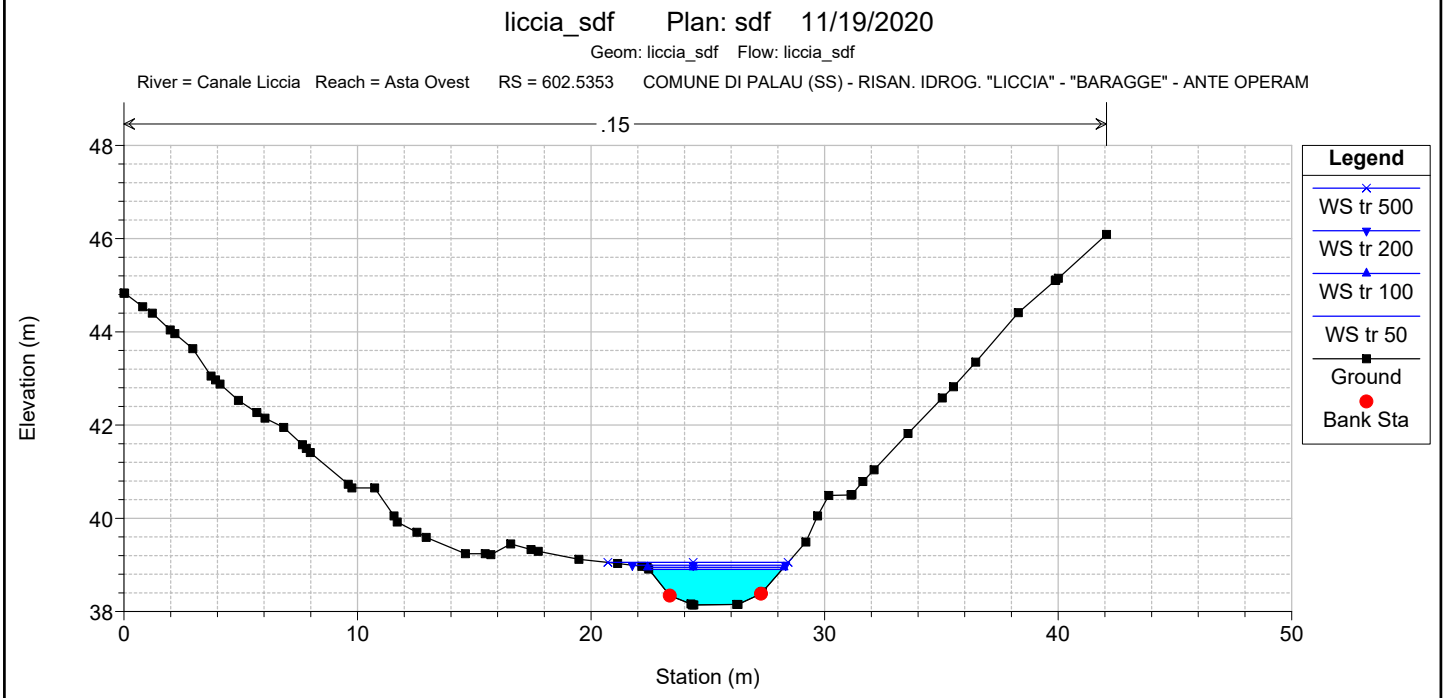
liccia_sdf Plan: sdf 11/19/2020

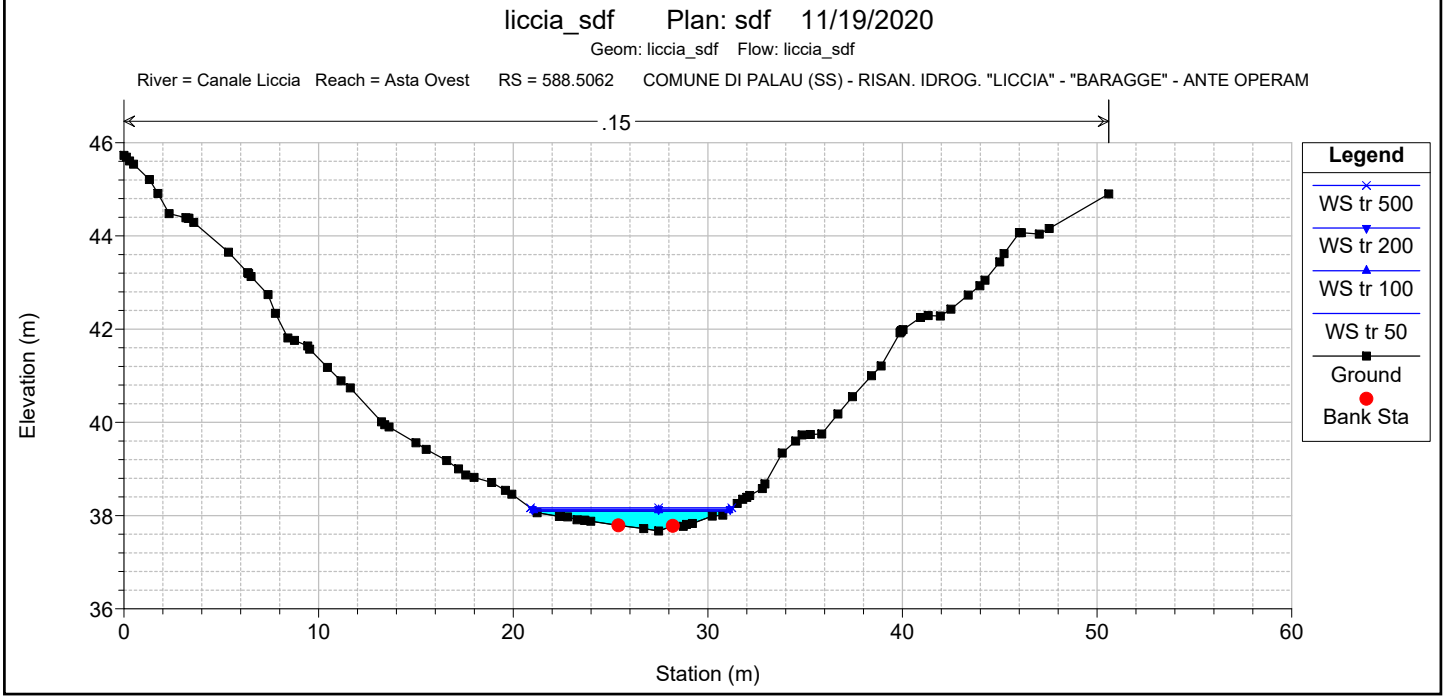
Geom: liccia_sdf Flow: liccia_sdf

River = Canale Liccia Reach = Asta Ovest RS = 632.5916 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM




liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 619.6059 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

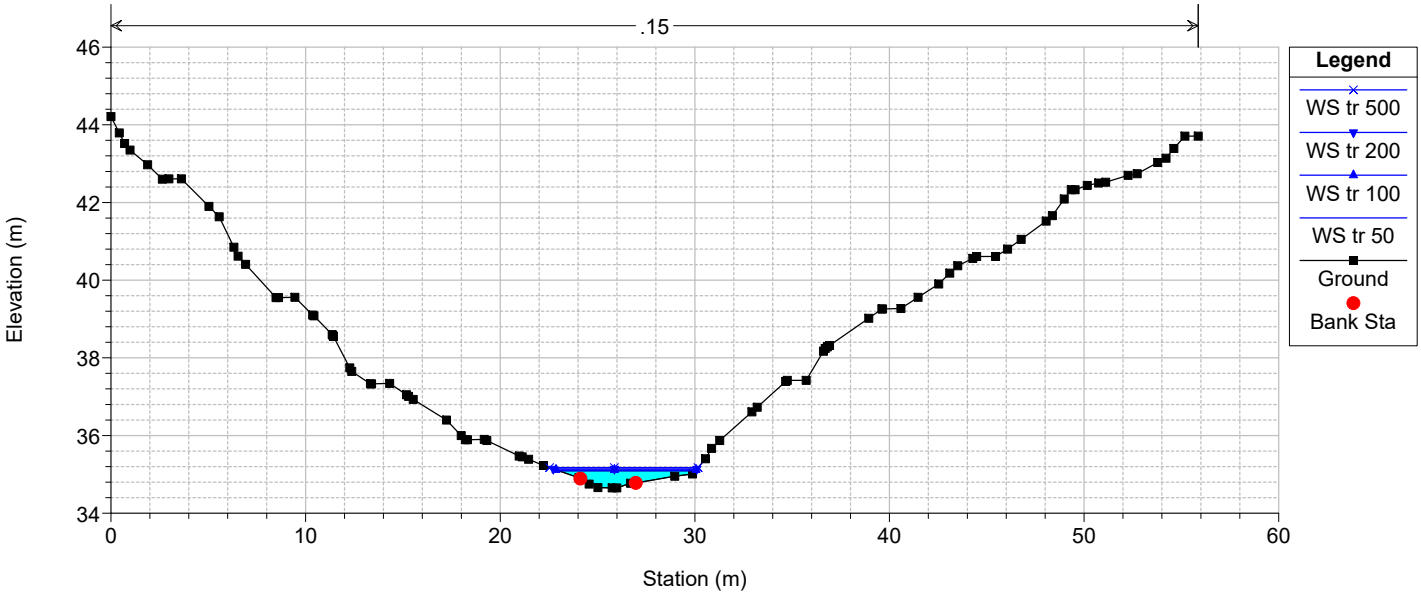

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 602.5353 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 588.5062 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

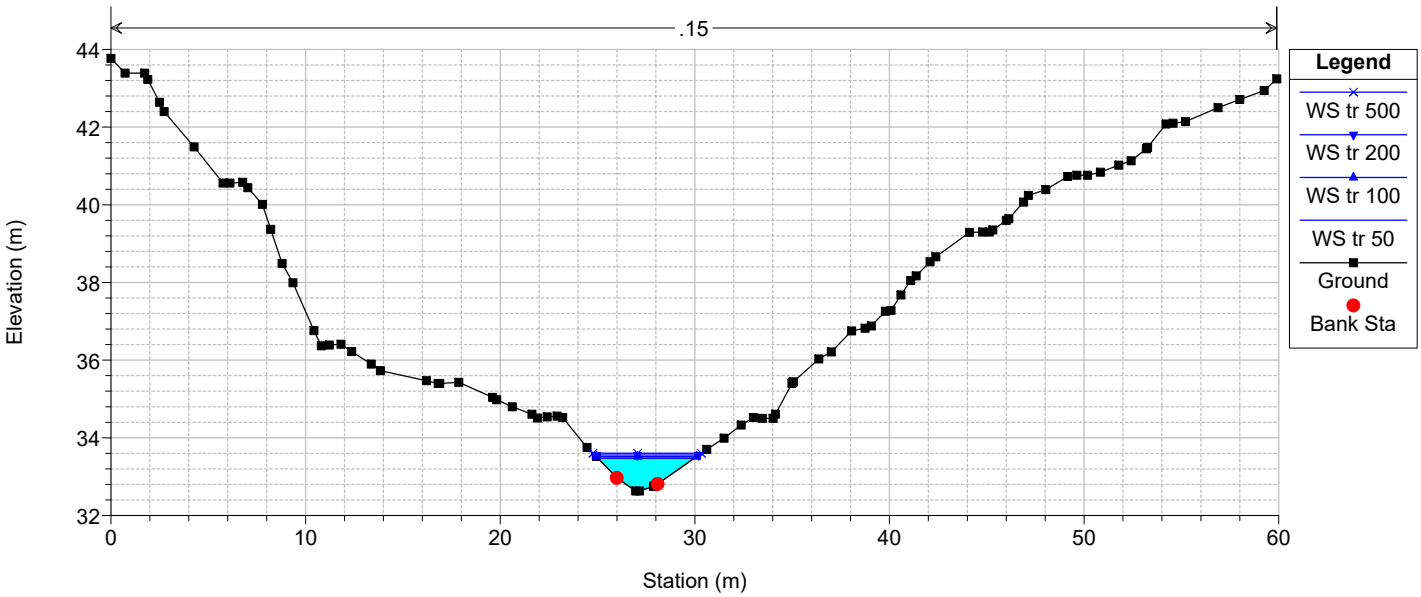
River = Canale Liccia Reach = Asta Ovest RS = 573.9681 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

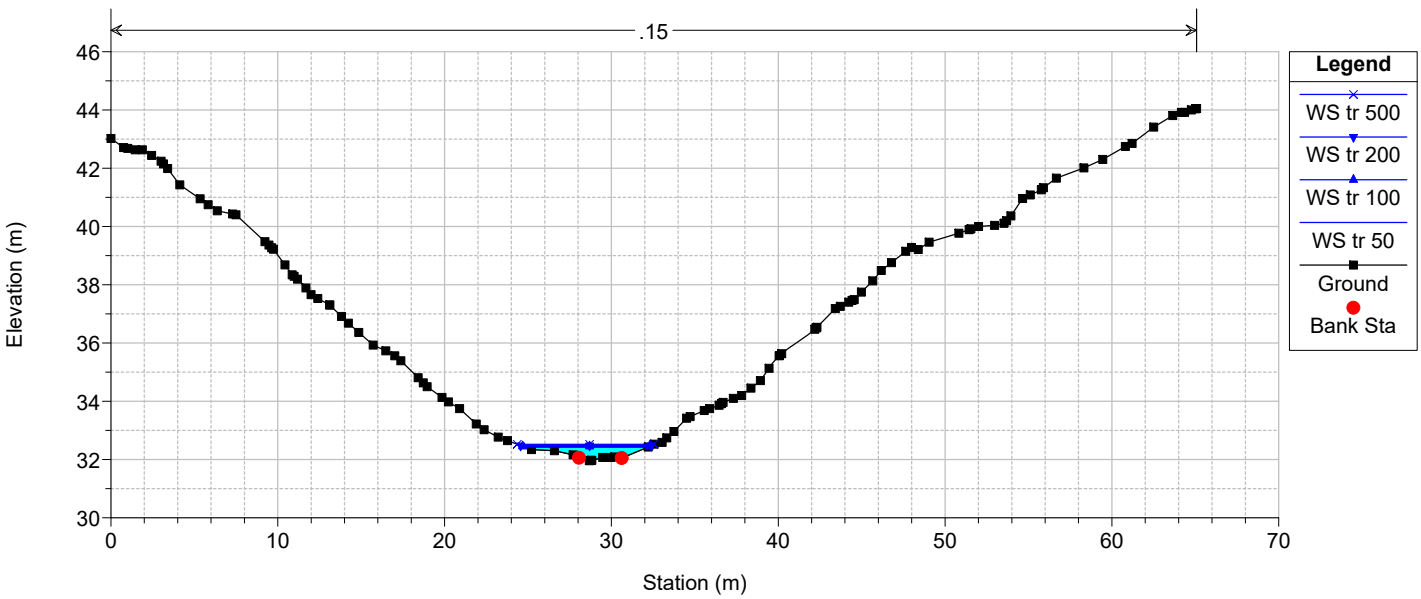
River = Canale Liccia Reach = Asta Ovest RS = 563.4397 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

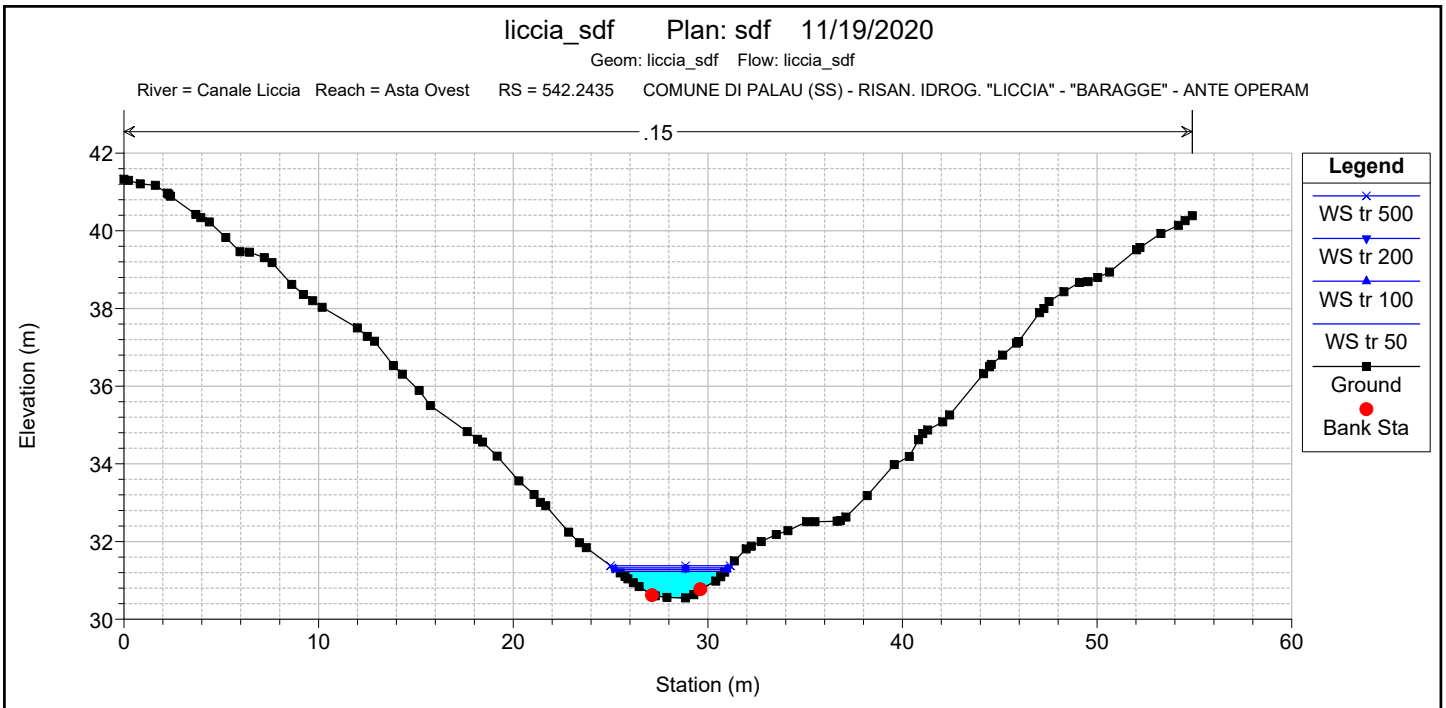


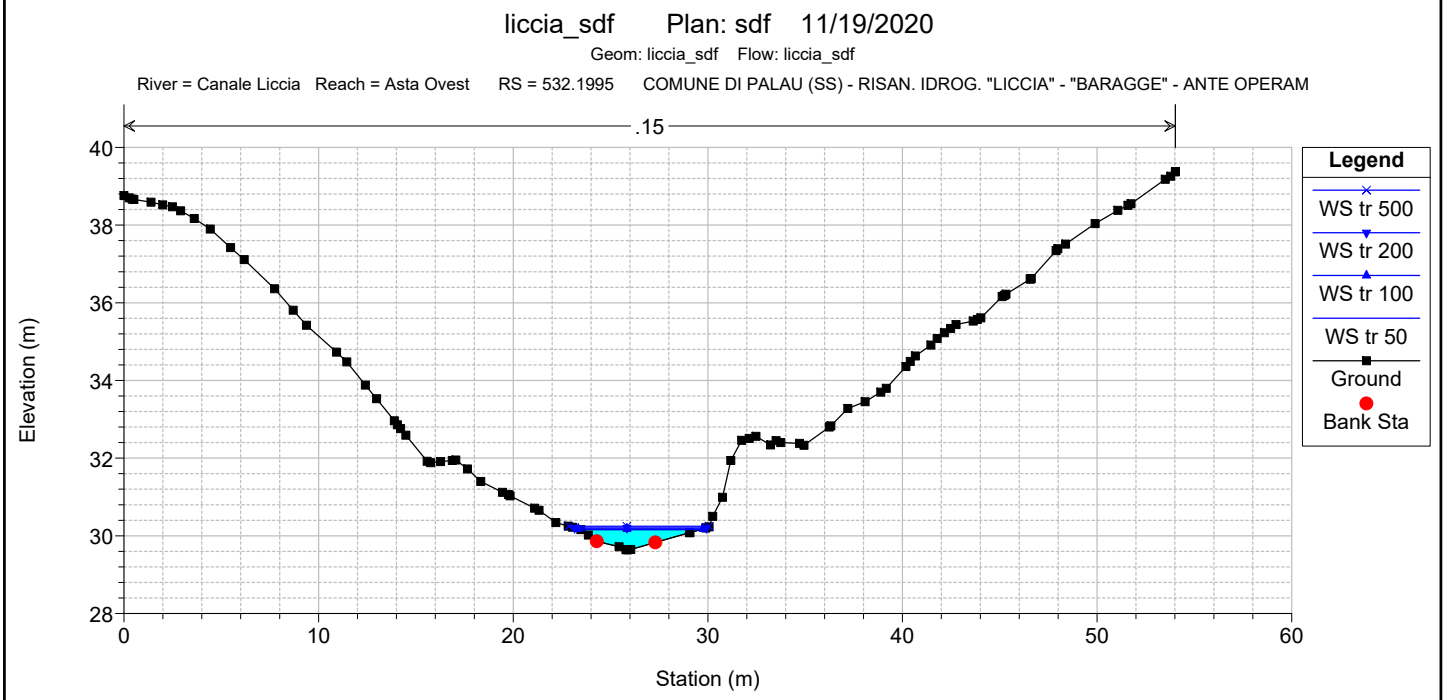
liccia_sdf Plan: sdf 11/19/2020

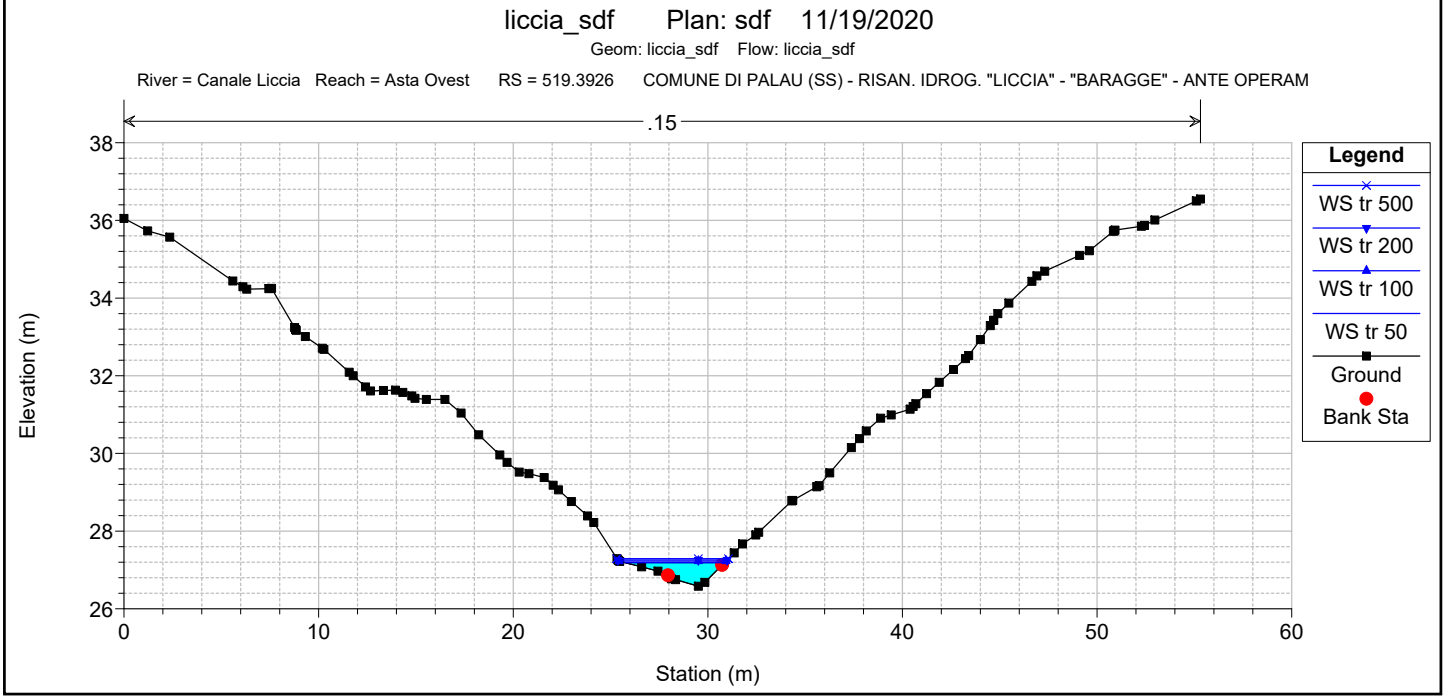
Geom: liccia_sdf Flow: liccia_sdf

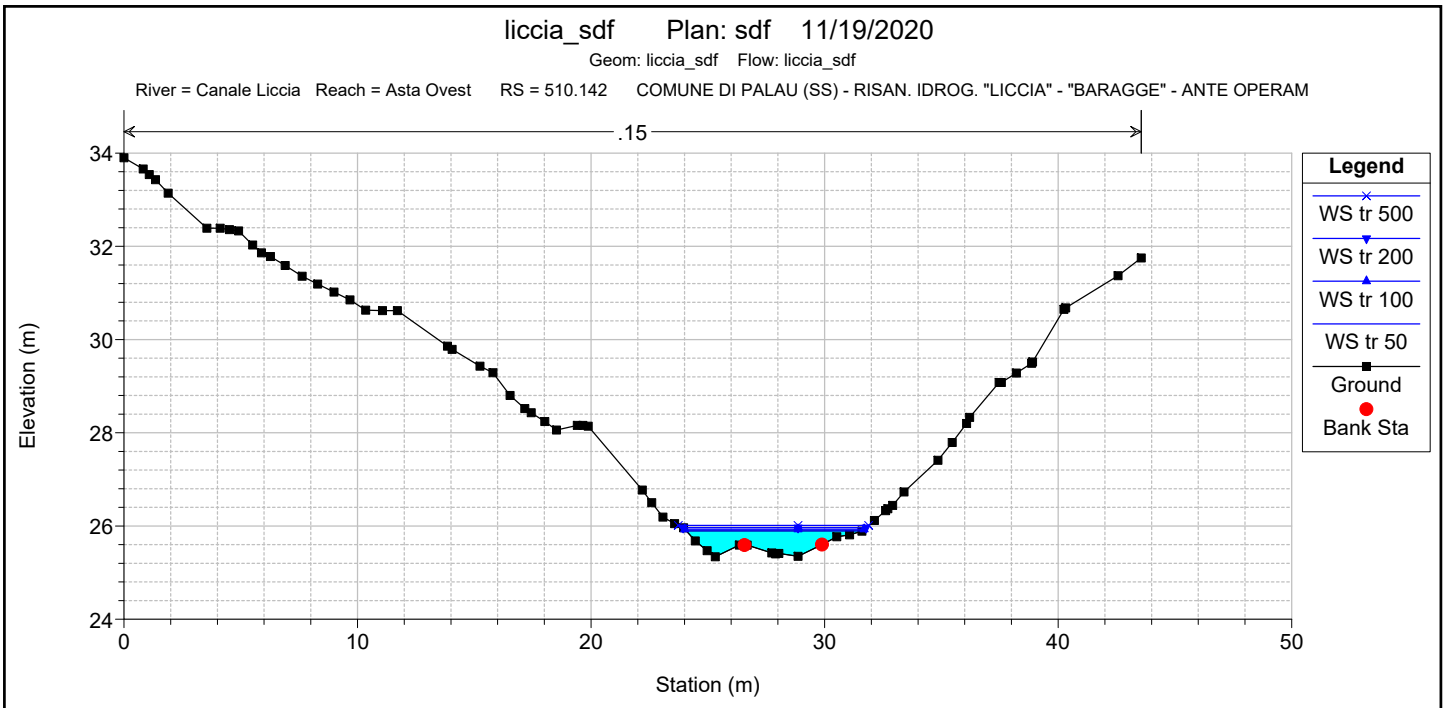
River = Canale Liccia Reach = Asta Ovest RS = 553.9106 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

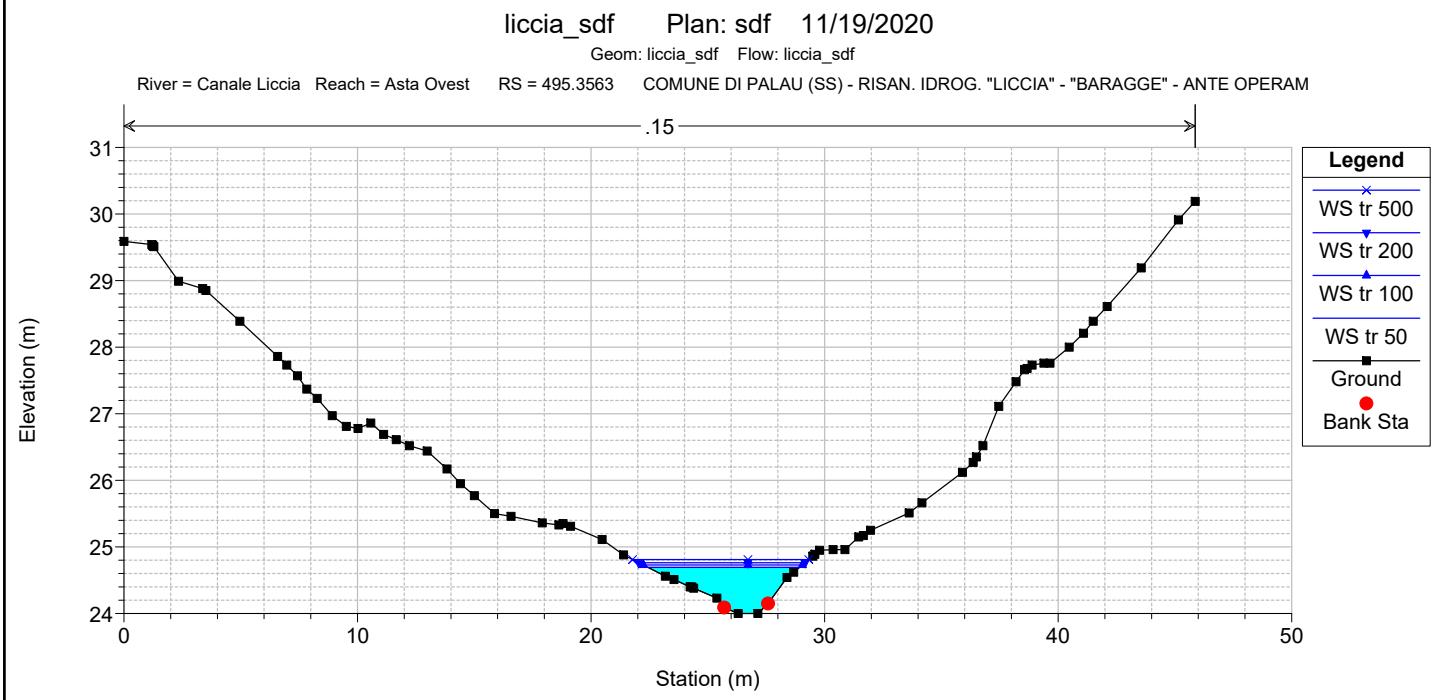


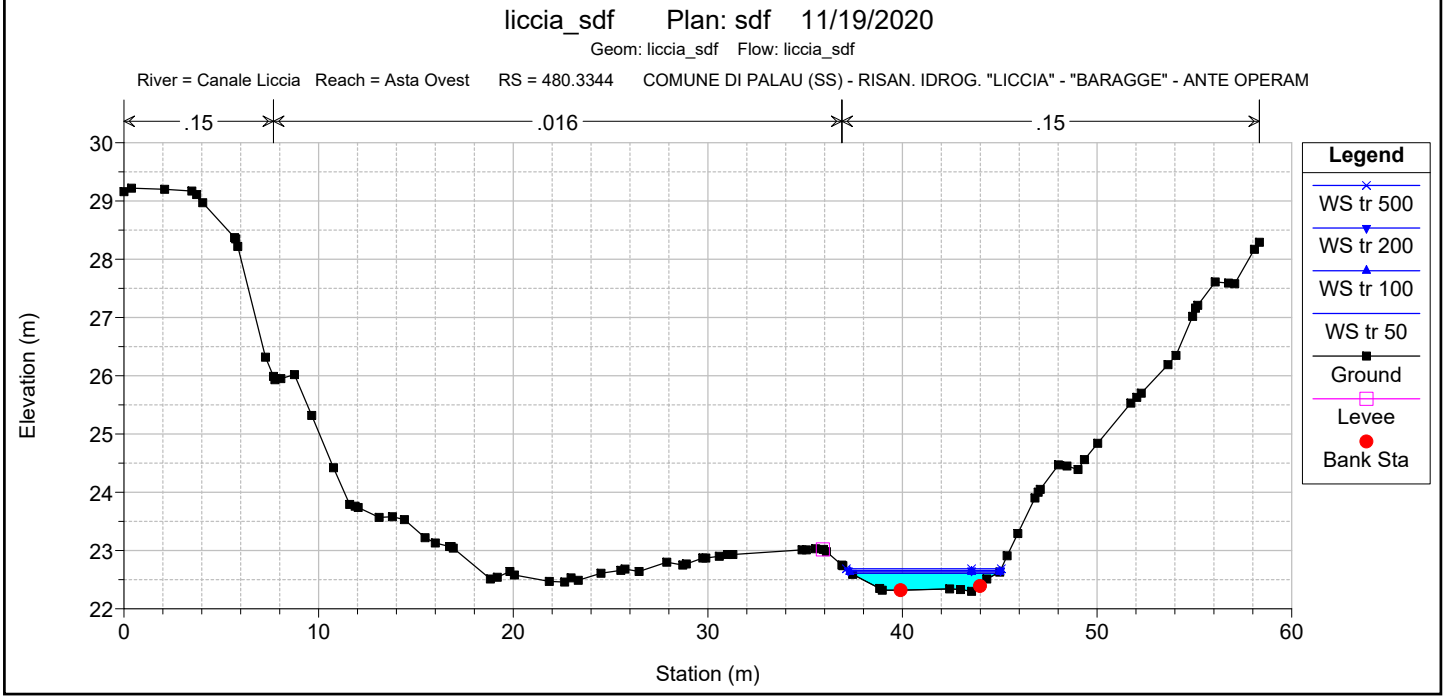

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 542.2435 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 532.1995 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 519.3926 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 510.142 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

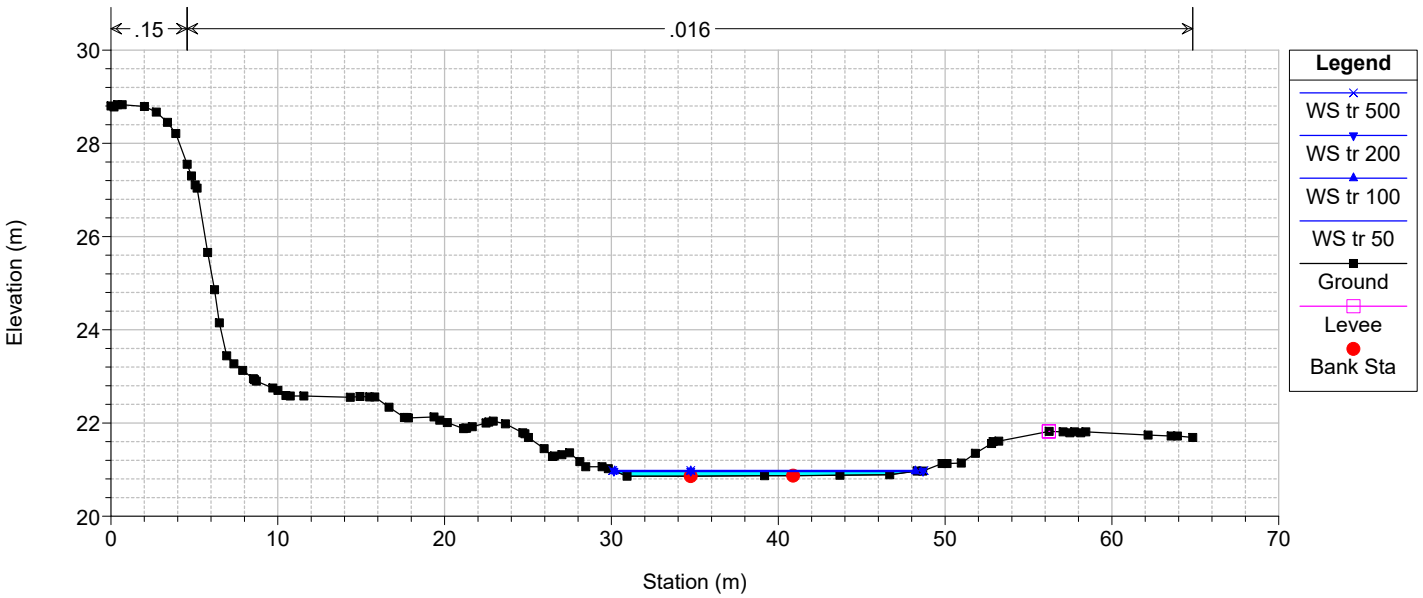

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 495.3563 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 480.3344 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.016
.15
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

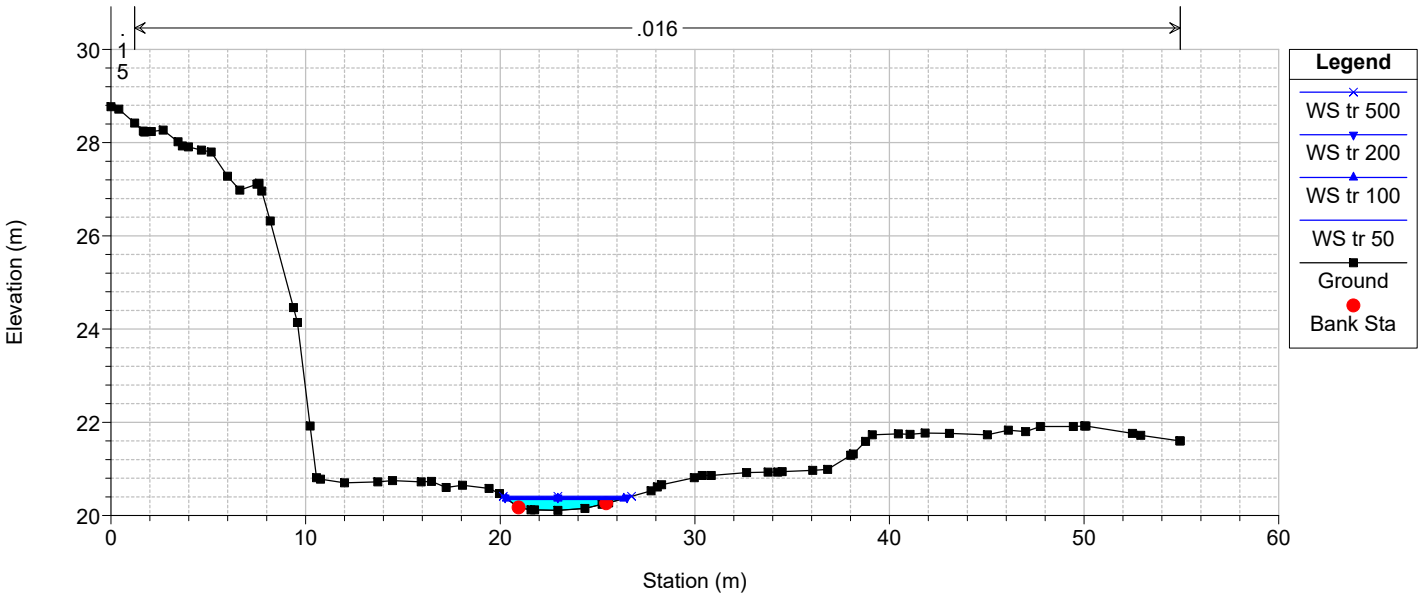
River = Canale Liccia Reach = Asta Ovest RS = 449.525 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM



liccia_sdf Plan: sdf 11/19/2020

Geom: liccia_sdf Flow: liccia_sdf

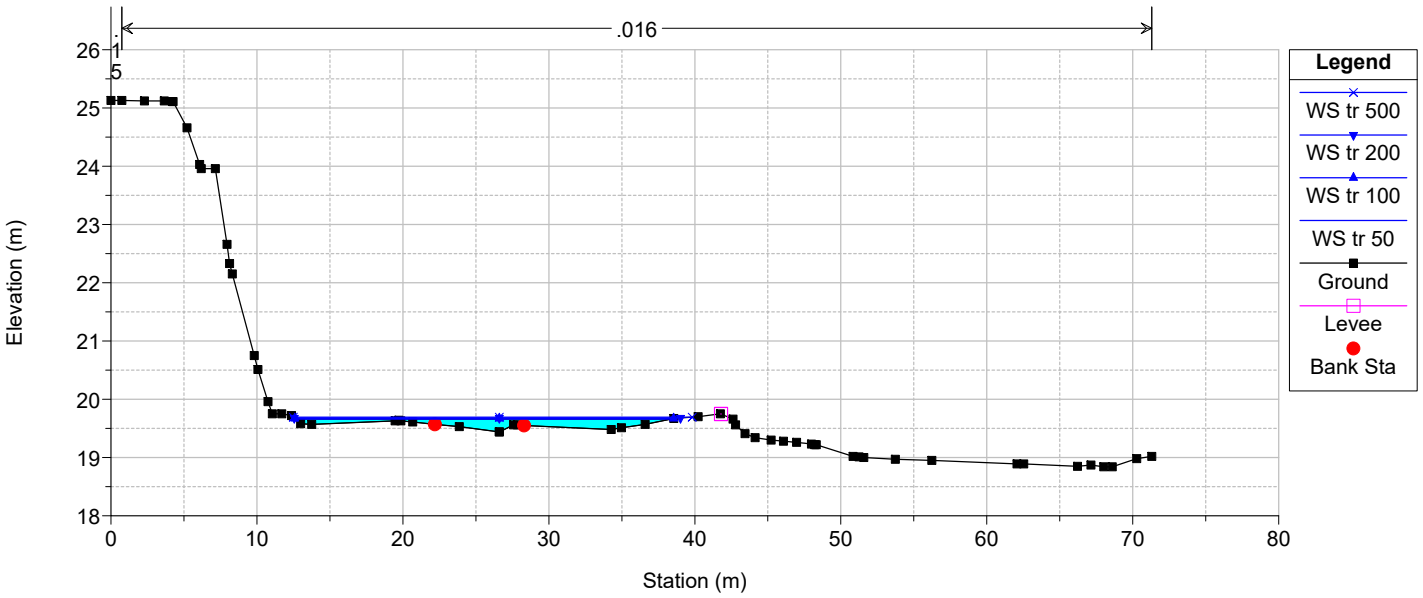
River = Canale Liccia Reach = Asta Ovest RS = 429.2232 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

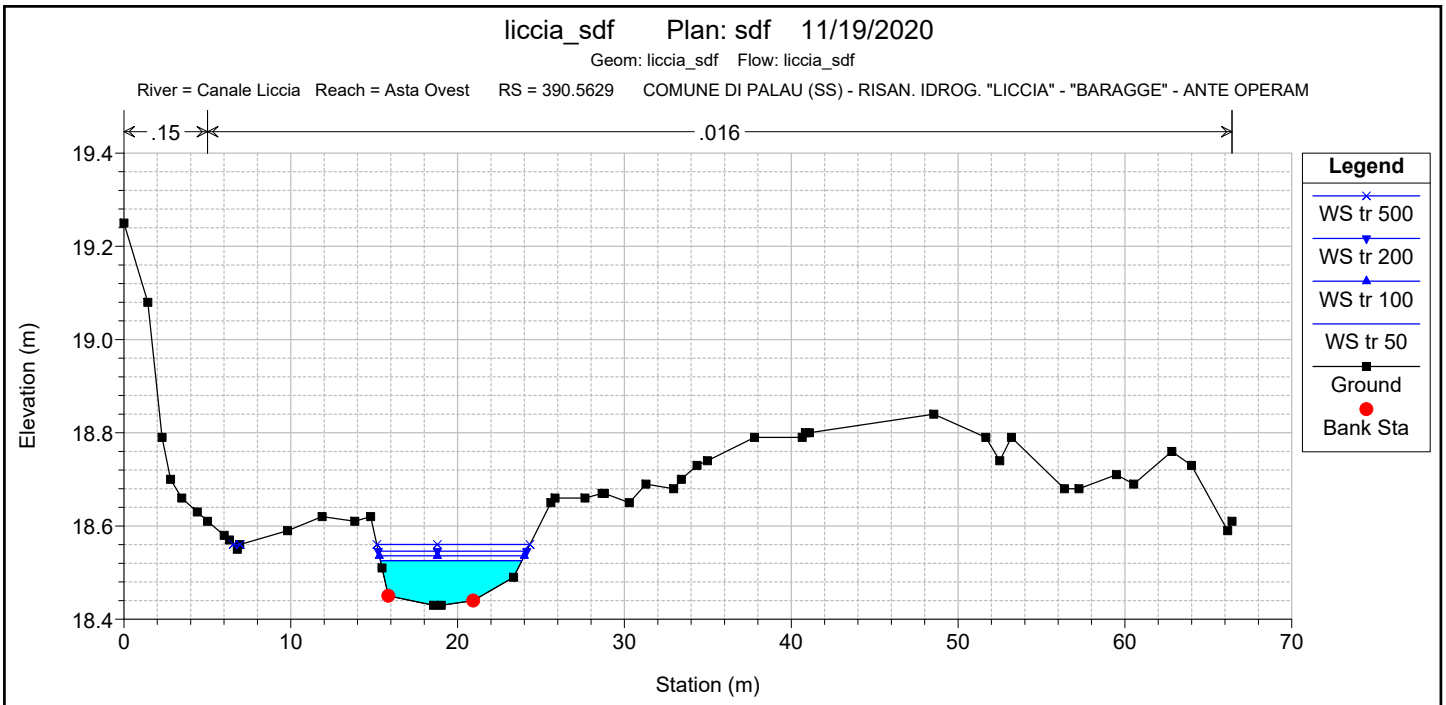


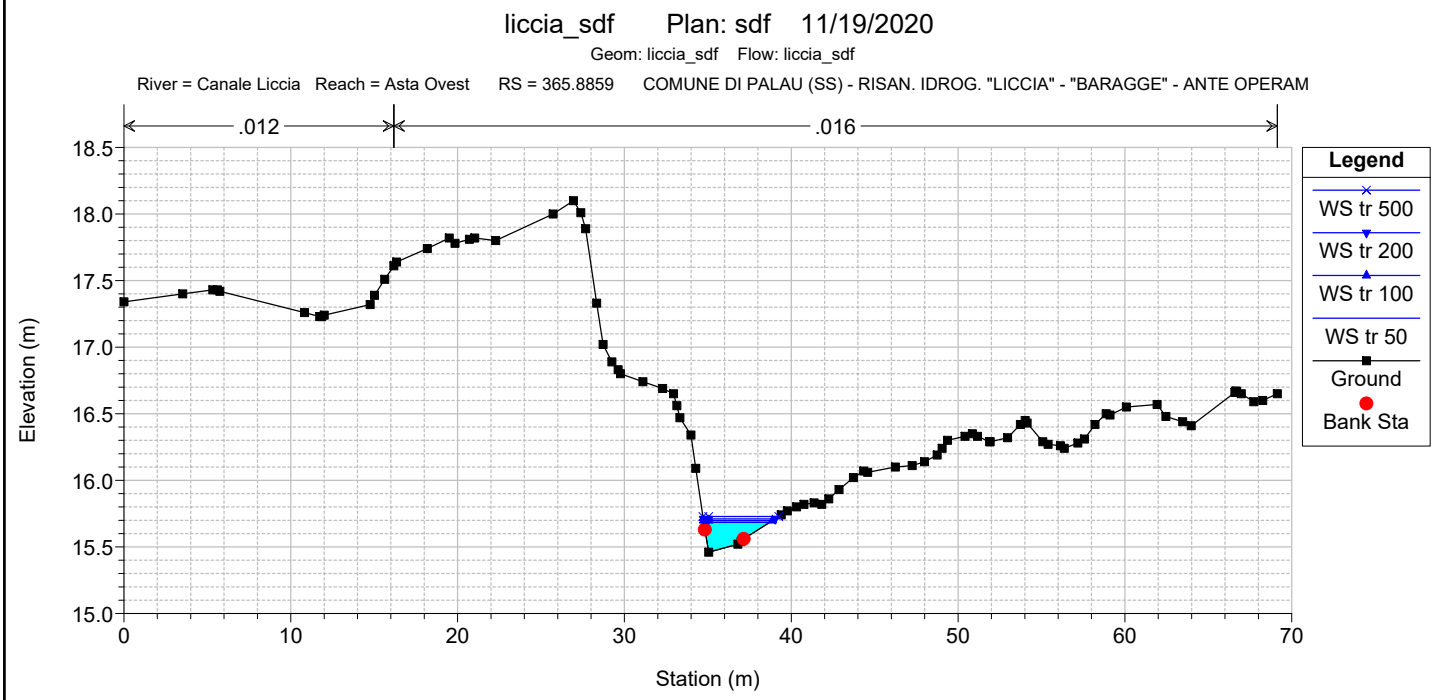
liccia_sdf Plan: sdf 11/19/2020

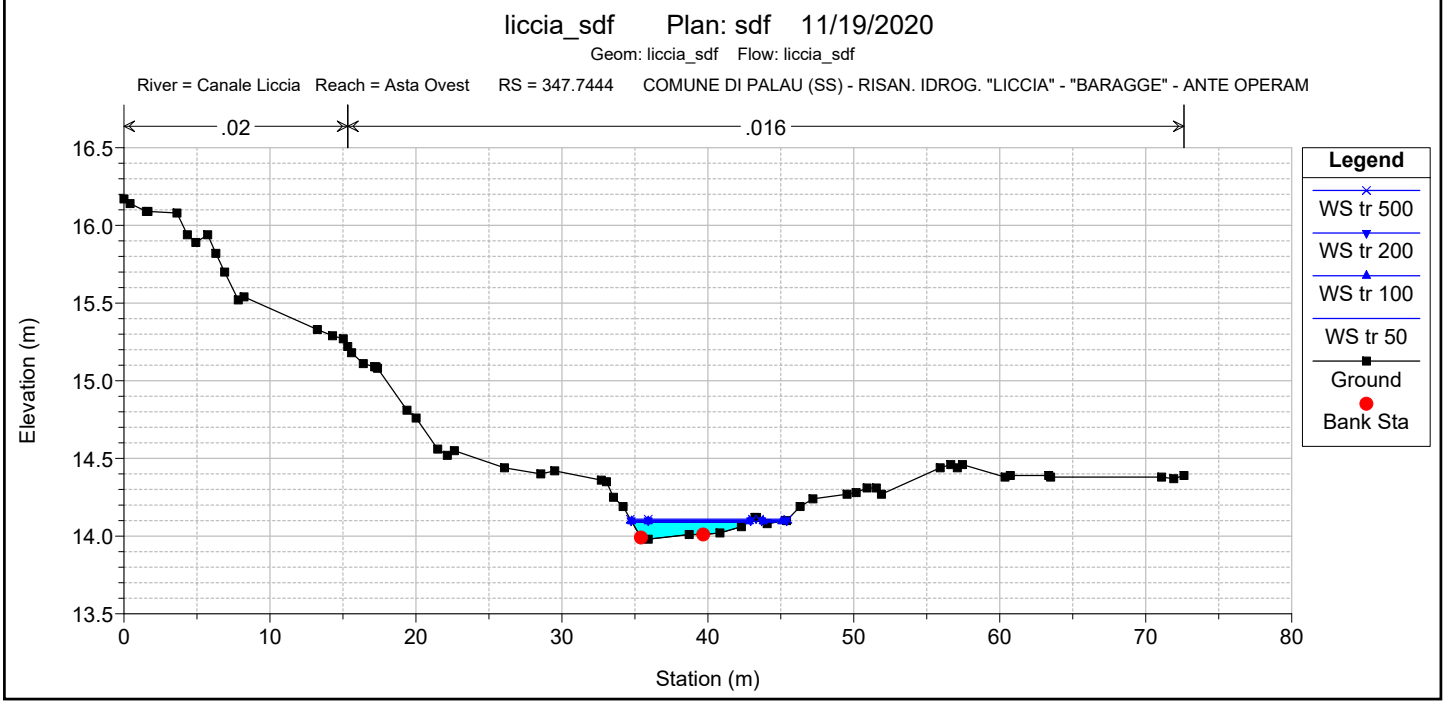
Geom: liccia_sdf Flow: liccia_sdf

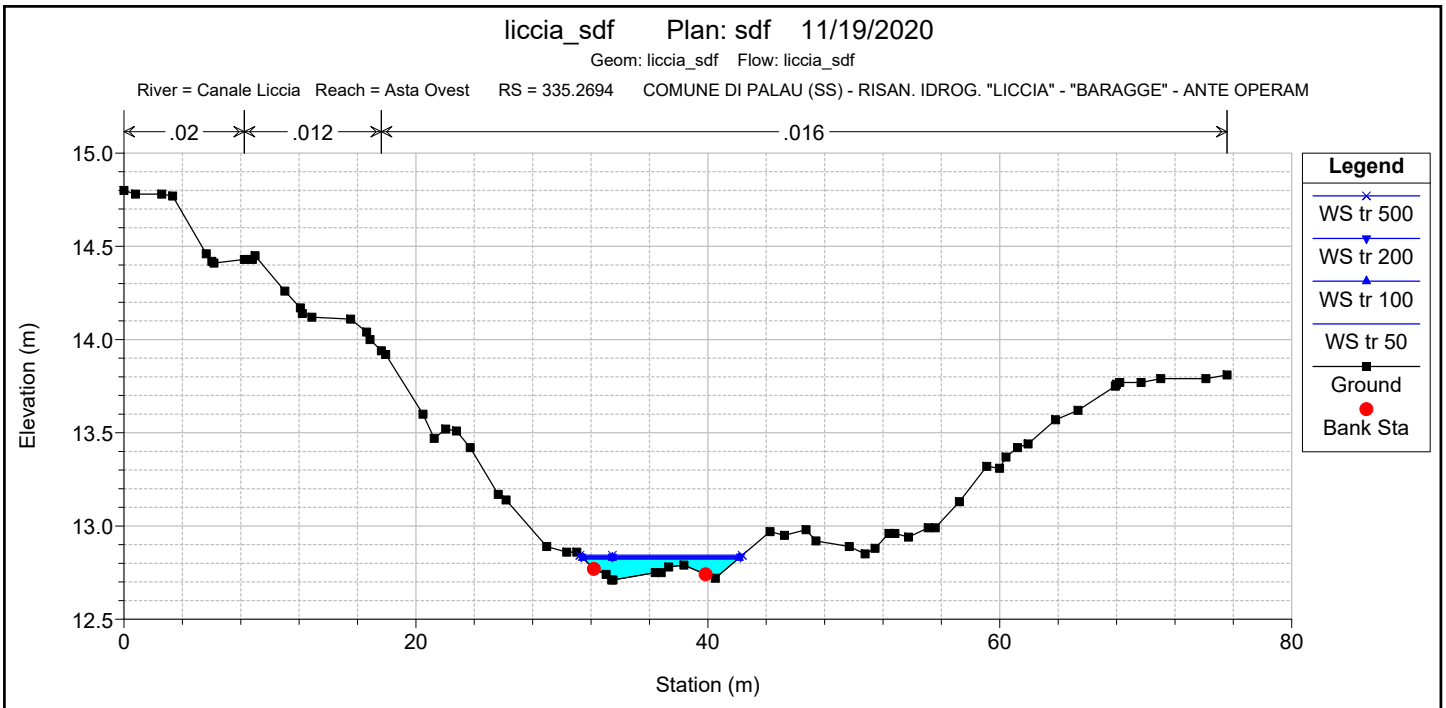
River = Canale Liccia Reach = Asta Ovest RS = 408.7845 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM

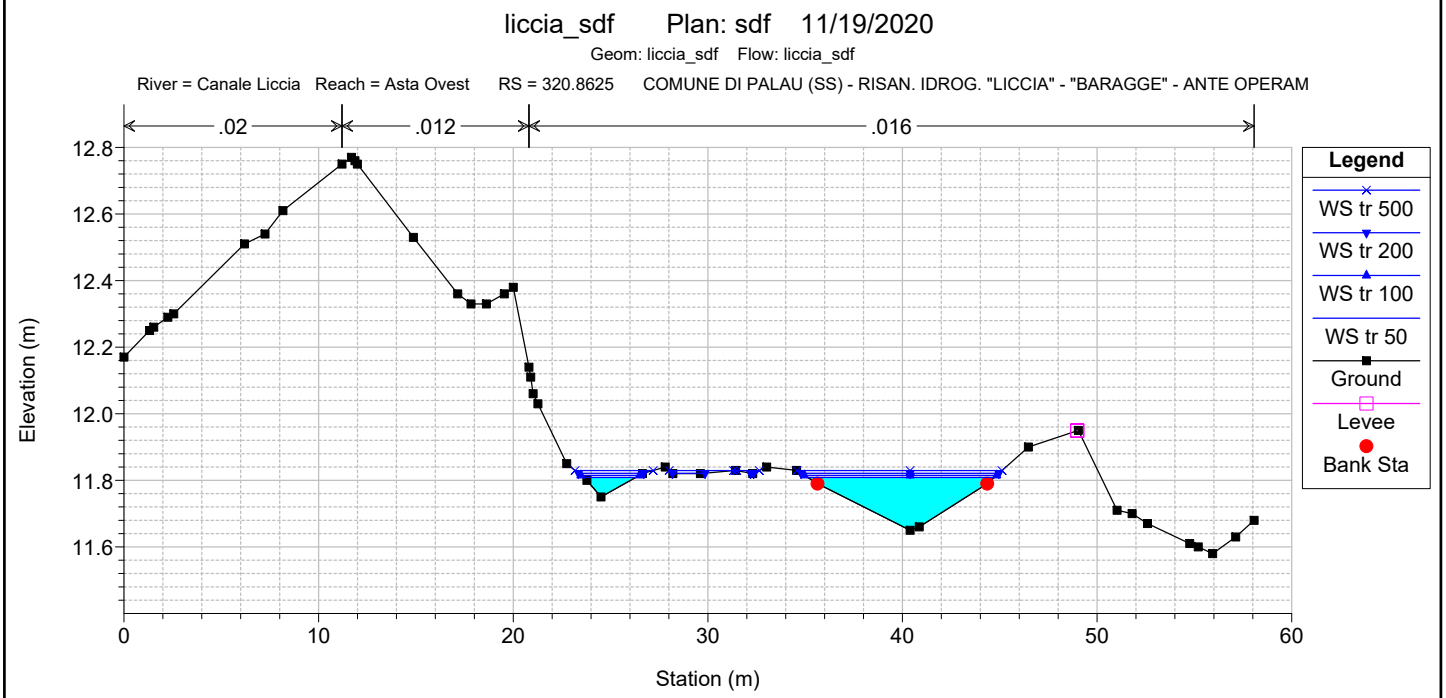


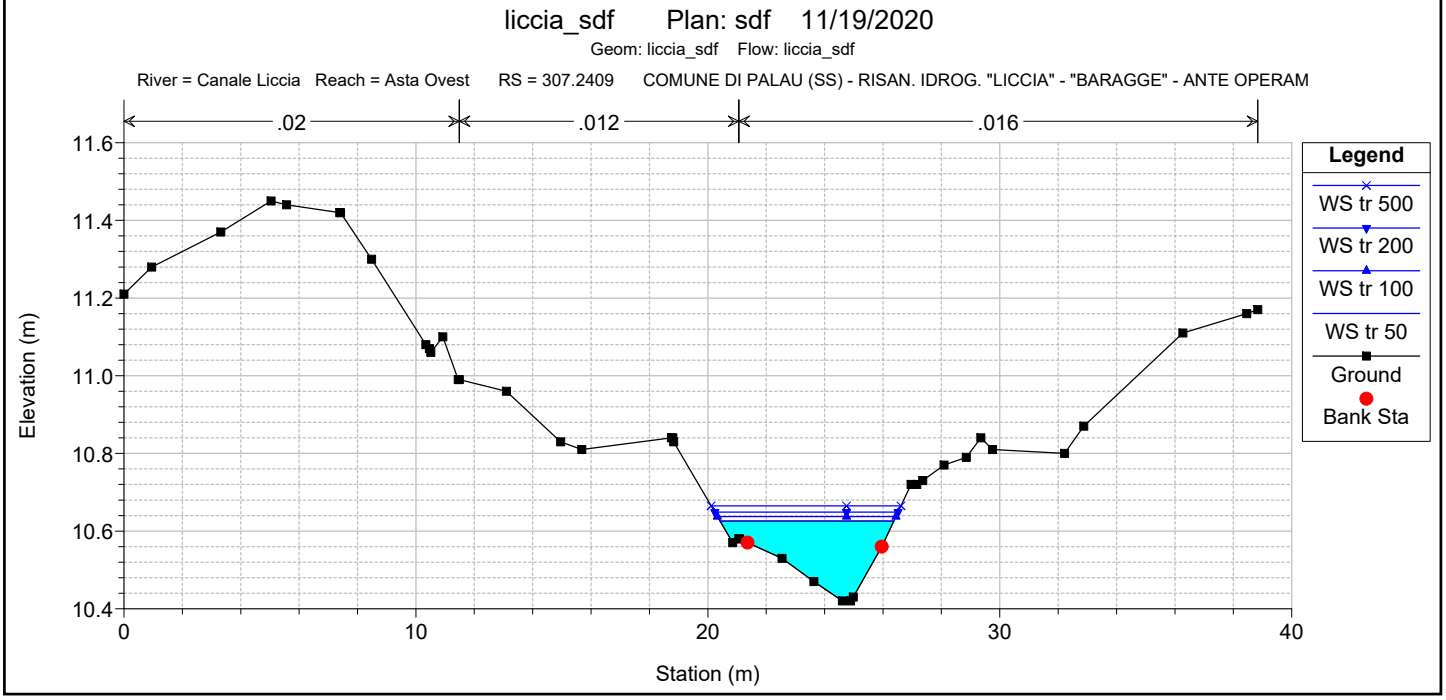

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 390.5629 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.15
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

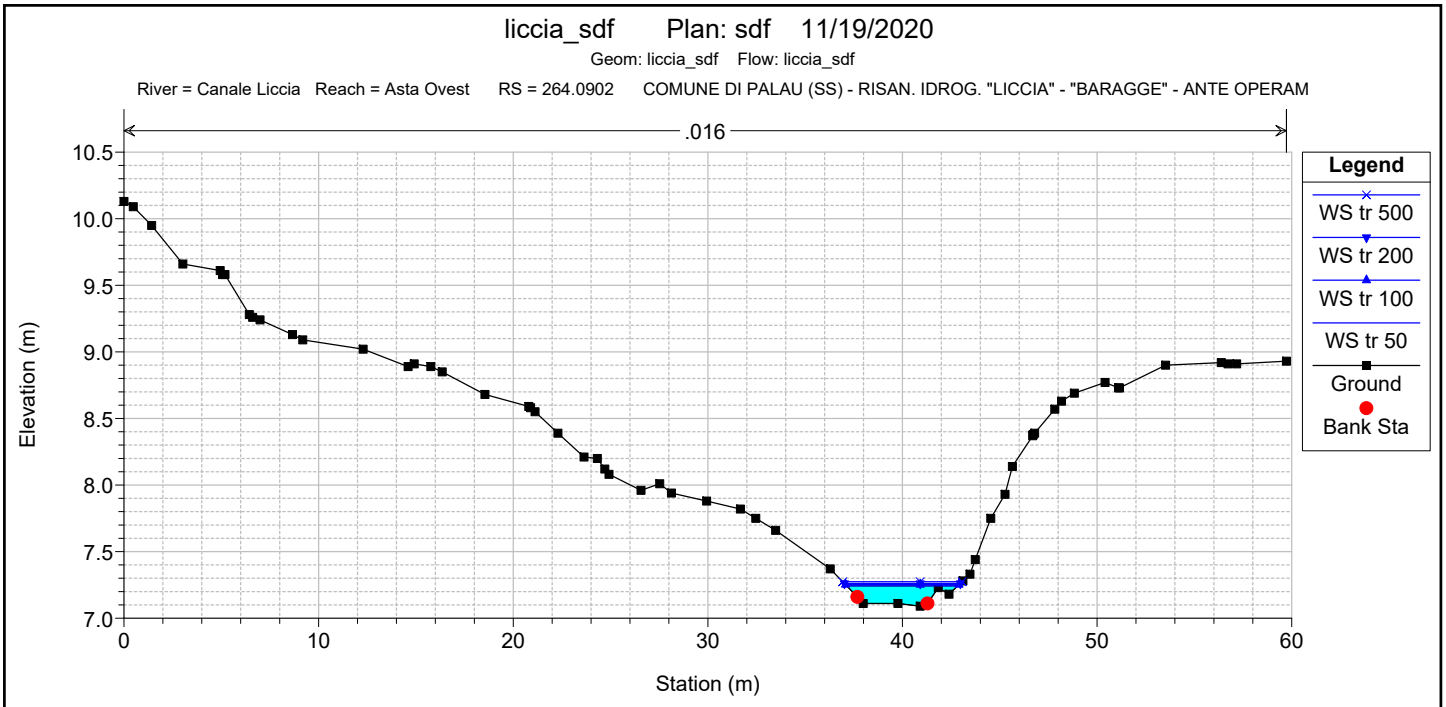

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 365.8859 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

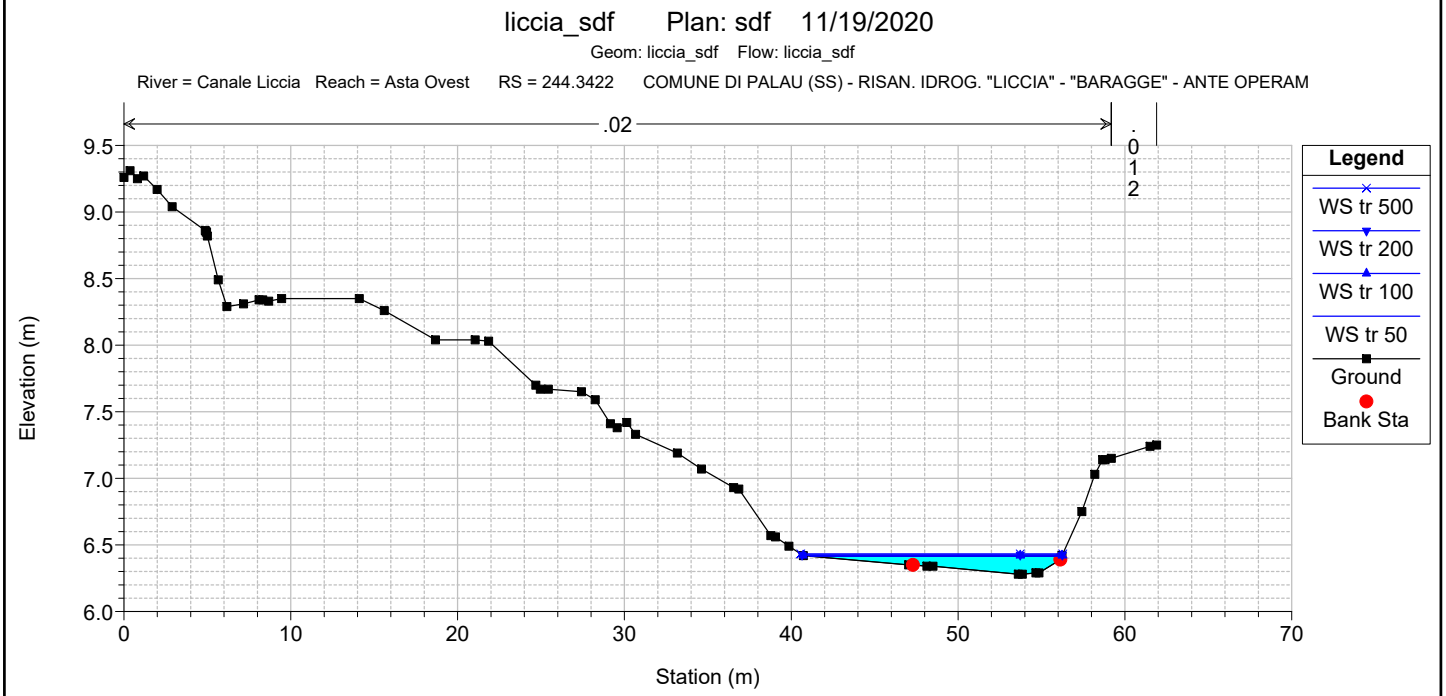

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 347.7444 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

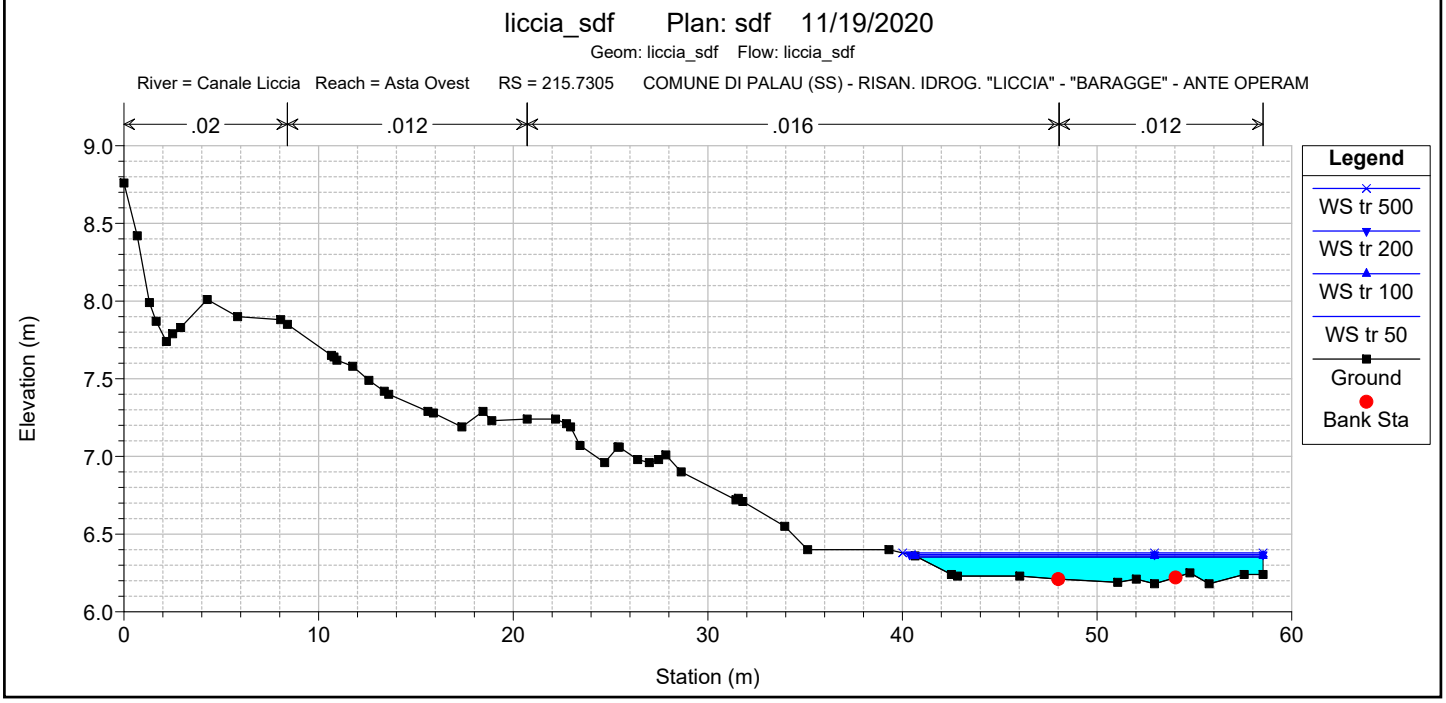

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 335.2694 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

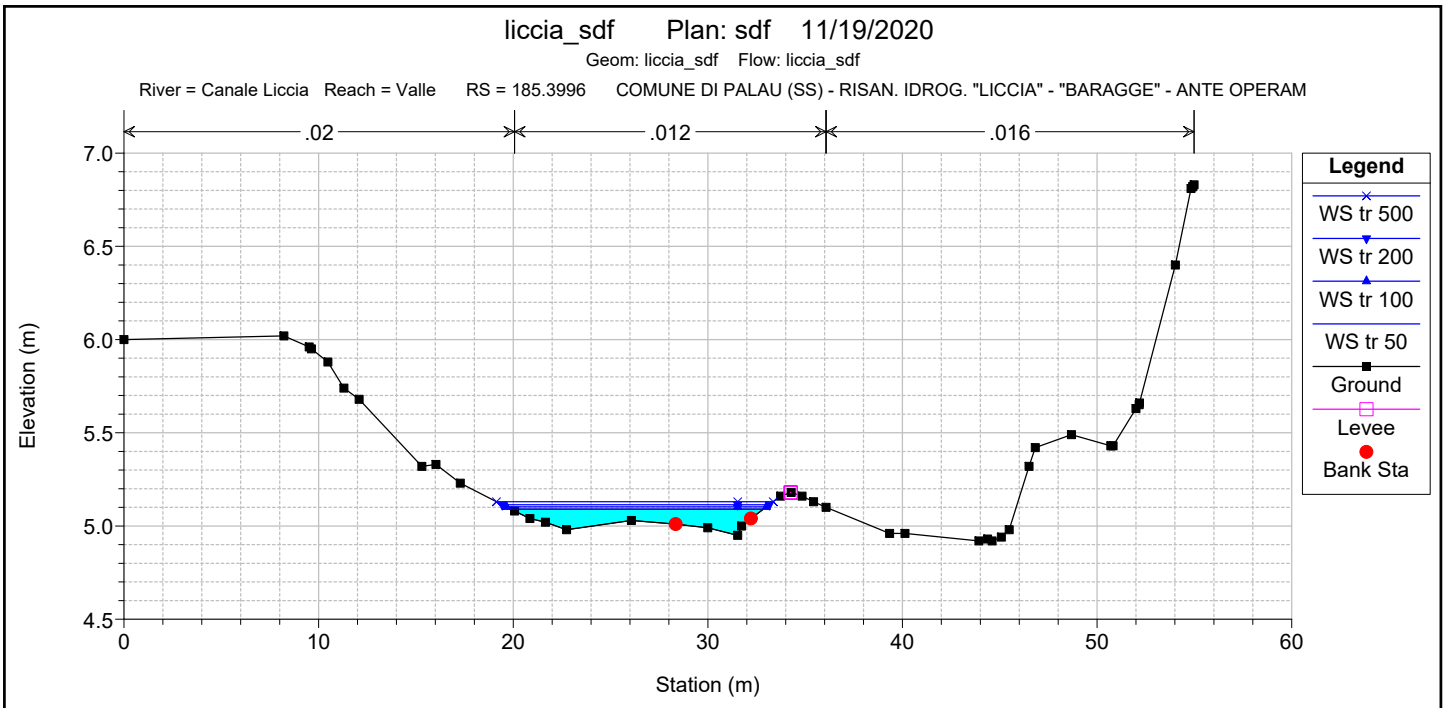

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 320.8625 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

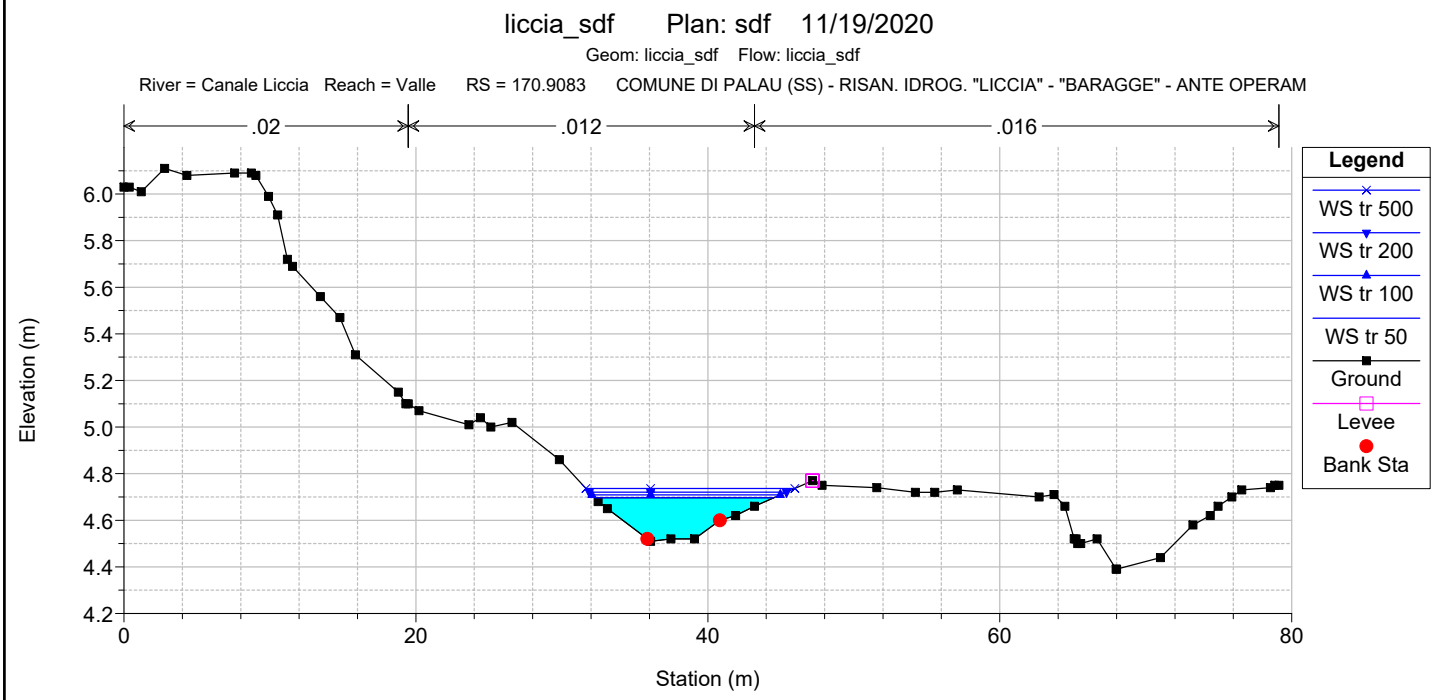

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 307.2409 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta

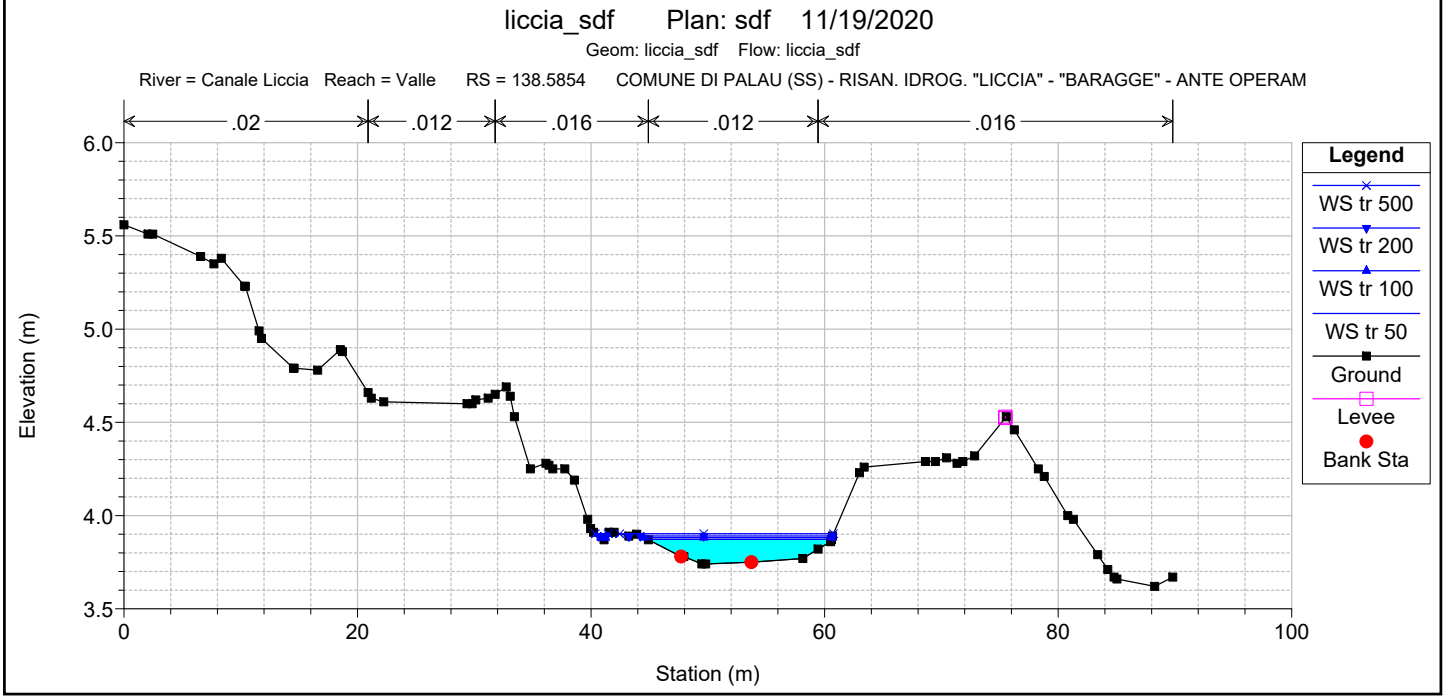

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 264.0902 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

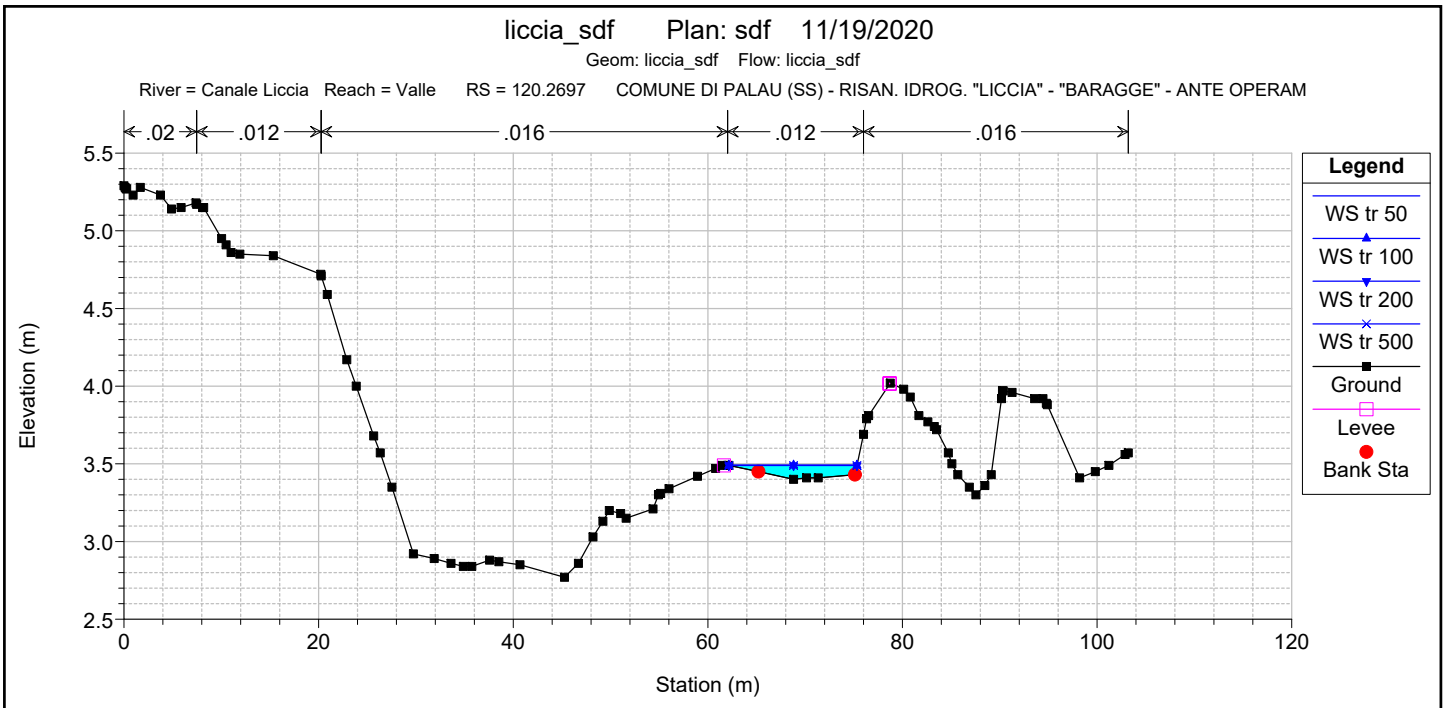

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 244.3422 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

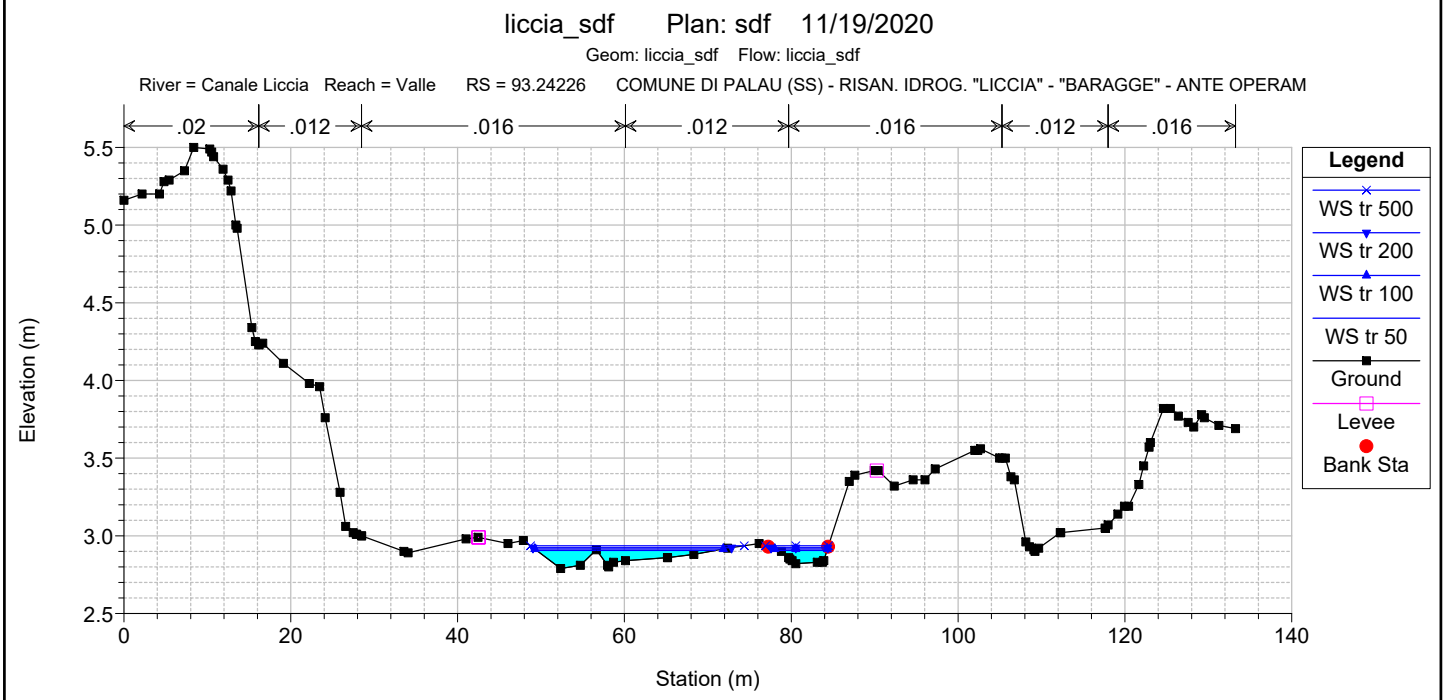

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Asta Ovest RS = 215.7305 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)

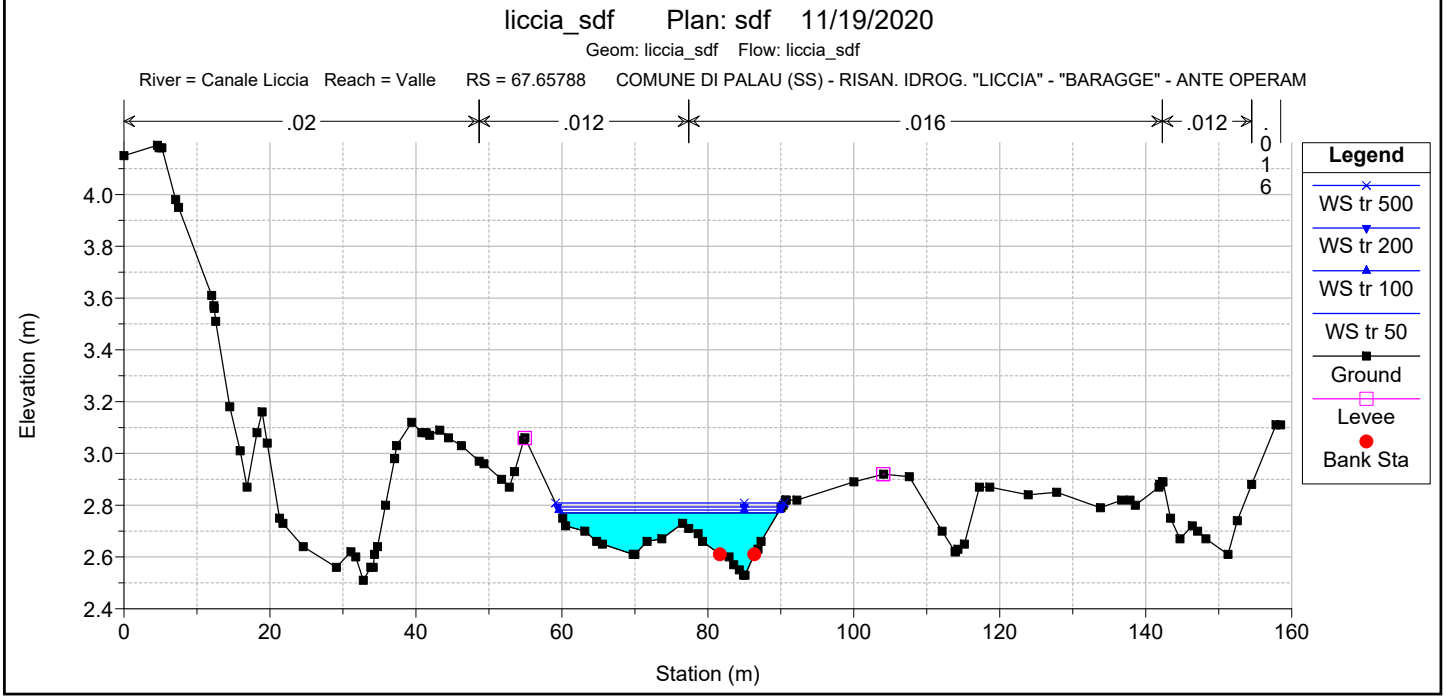

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 185.3996 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

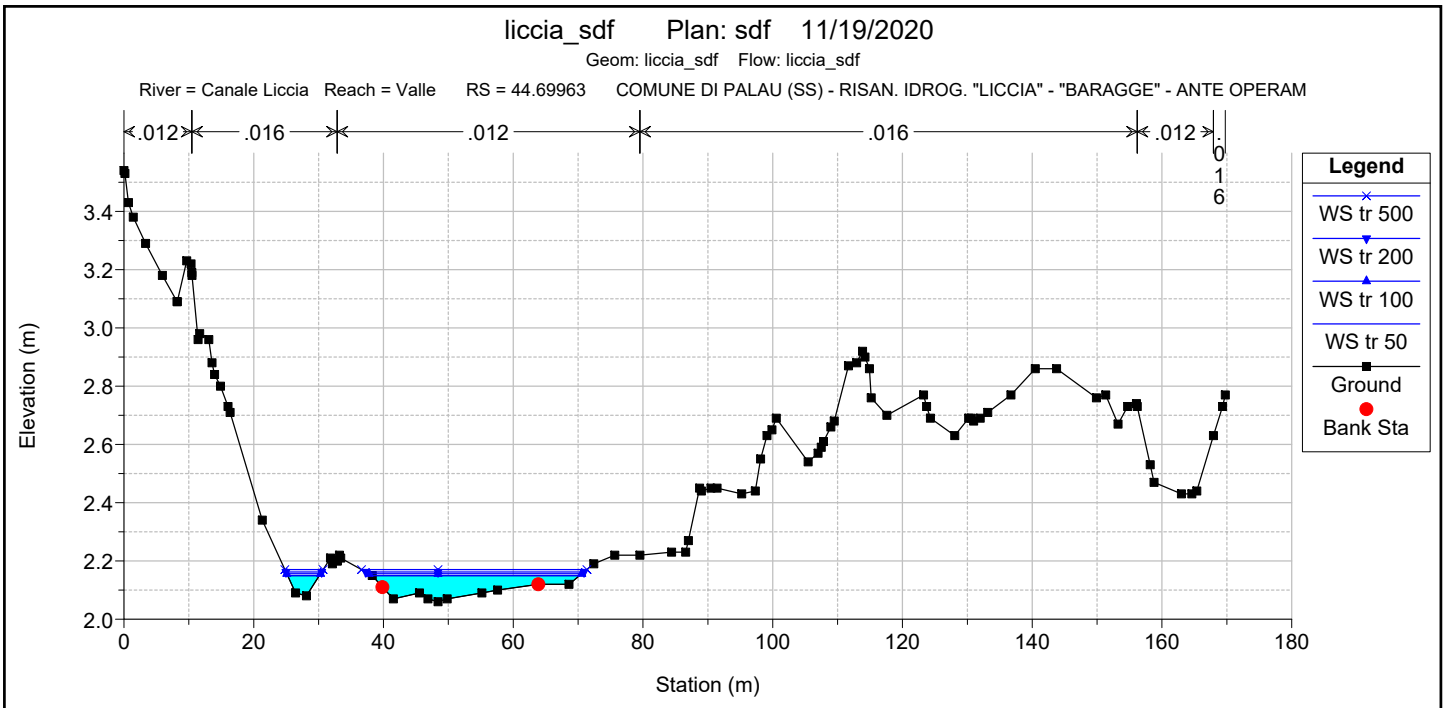

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 170.9083 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

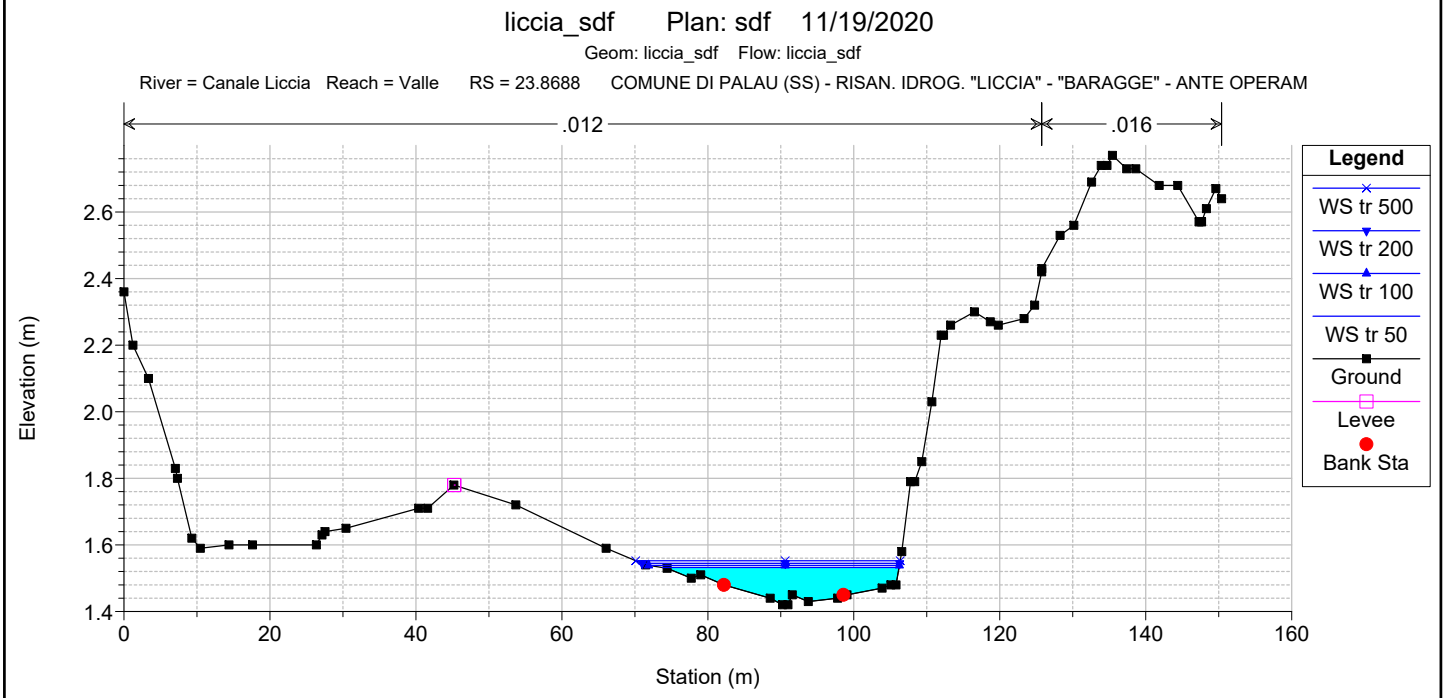

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 138.5854 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.016
Elevation (m)
Station (m)
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta

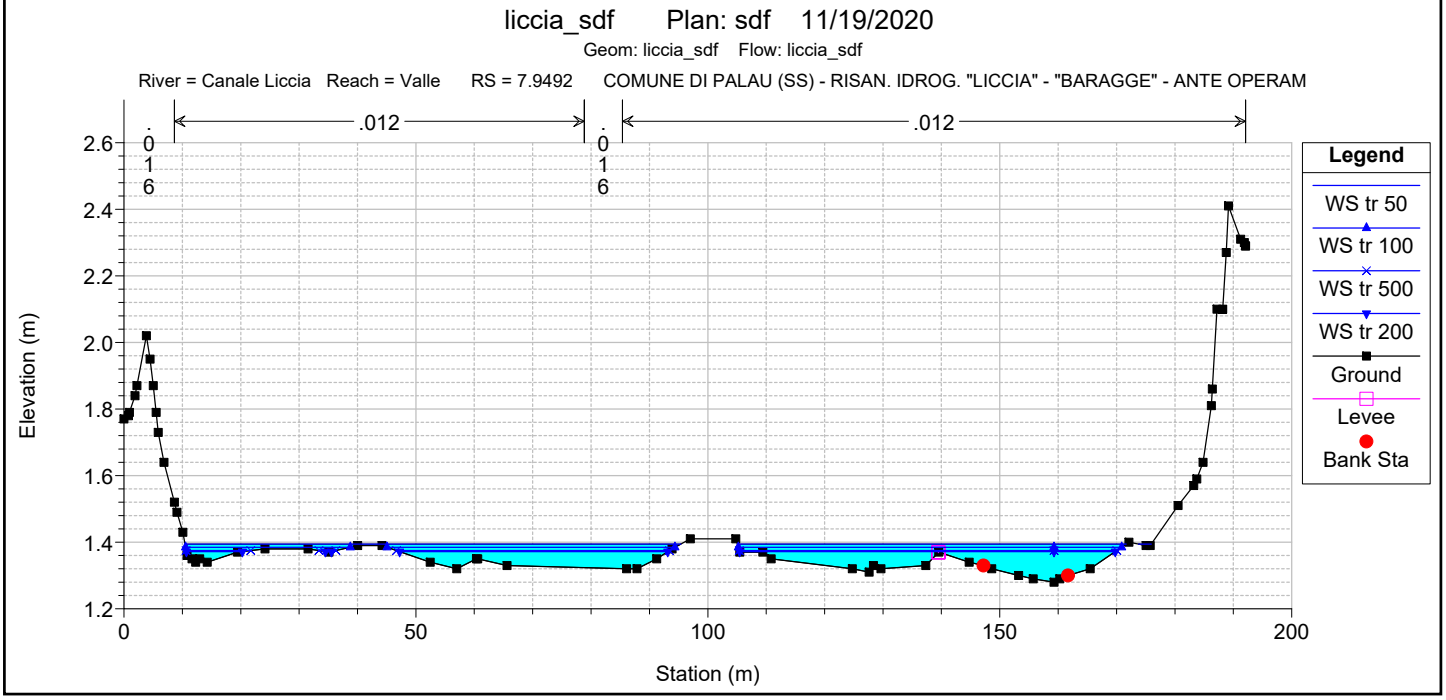

liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 120.2697 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.016
Legend
WS tr 50
WS tr 100
WS tr 200
WS tr 500
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 93.24226 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 67.65788 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.02
.012
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 44.69963 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.016
.012
.016
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 23.8688 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.016
Legend
WS tr 500
WS tr 200
WS tr 100
WS tr 50
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


liccia_sdf Plan: sdf 11/19/2020
Geom: liccia_sdf Flow: liccia_sdf
River = Canale Liccia Reach = Valle RS = 7.9492 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA" - "BARAGGE" - ANTE OPERAM
.012
.012
Legend
WS tr 50
WS tr 100
WS tr 500
WS tr 200
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

HEC-RAS Plan: sdf

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Asta Ovest	924.1465	tr 50	2.54	69.77	70.33	70.33	70.50	0.003446	1.84	1.41	4.93	0.96
Asta Ovest	924.1465	tr 100	2.90	69.77	70.38	70.38	70.54	0.002859	1.82	1.68	6.32	0.90
Asta Ovest	924.1465	tr 200	3.27	69.77	70.42	70.42	70.58	0.002507	1.82	1.98	7.51	0.85
Asta Ovest	924.1465	tr 500	3.81	69.77	70.47	70.47	70.63	0.002167	1.82	2.43	8.62	0.81
Asta Ovest	898.7329	tr 50	2.54	68.80	68.94	69.11	70.13	0.143457	4.84	0.53	5.66	5.07
Asta Ovest	898.7329	tr 100	2.90	68.80	68.95	69.14	70.21	0.136368	4.97	0.58	5.81	5.01
Asta Ovest	898.7329	tr 200	3.27	68.80	68.96	69.16	70.27	0.128753	5.07	0.64	5.97	4.93
Asta Ovest	898.7329	tr 500	3.81	68.80	68.98	69.19	70.34	0.117914	5.17	0.74	6.21	4.79
Asta Ovest	866.2285	tr 50	2.54	64.40	64.81	64.83	64.96	0.156049	1.86	1.55	6.25	1.04
Asta Ovest	866.2285	tr 100	2.90	64.40	64.83	64.85	65.00	0.166334	1.99	1.66	6.40	1.08
Asta Ovest	866.2285	tr 200	3.27	64.40	64.84	64.88	65.04	0.178844	2.12	1.76	6.54	1.13
Asta Ovest	866.2285	tr 500	3.81	64.40	64.86	64.92	65.10	0.199865	2.32	1.88	6.70	1.21
Asta Ovest	840.0692	tr 50	2.54	60.79	61.25	61.25	61.40	0.120200	1.90	1.56	5.35	0.95
Asta Ovest	840.0692	tr 100	2.90	60.79	61.28	61.28	61.44	0.115825	1.96	1.74	5.57	0.94
Asta Ovest	840.0692	tr 200	3.27	60.79	61.31	61.31	61.48	0.110774	2.01	1.93	5.80	0.94
Asta Ovest	840.0692	tr 500	3.81	60.79	61.34	61.34	61.54	0.117408	2.16	2.11	6.03	0.97
Asta Ovest	817.1697	tr 50	2.54	59.13	59.94	59.73	60.00	0.024941	1.12	2.57	5.95	0.45
Asta Ovest	817.1697	tr 100	2.90	59.13	59.98	59.76	60.05	0.024921	1.17	2.84	6.21	0.46
Asta Ovest	817.1697	tr 200	3.27	59.13	60.03	59.80	60.09	0.024804	1.22	3.10	6.45	0.46
Asta Ovest	817.1697	tr 500	3.81	59.13	60.09	59.85	60.16	0.024298	1.27	3.50	6.79	0.46
Asta Ovest	791.946	tr 50	2.54	58.14	58.73	58.70	58.89	0.094379	1.85	1.53	4.11	0.84
Asta Ovest	791.946	tr 100	2.90	58.14	58.77	58.74	58.94	0.094197	1.93	1.68	4.28	0.85
Asta Ovest	791.946	tr 200	3.27	58.14	58.80	58.78	58.99	0.094443	2.02	1.83	4.59	0.86
Asta Ovest	791.946	tr 500	3.81	58.14	58.84	58.84	59.05	0.097990	2.15	2.03	5.33	0.88
Asta Ovest	774.0153	tr 50	2.54	56.52	57.09	57.09	57.22	0.091793	1.74	1.79	6.84	0.83
Asta Ovest	774.0153	tr 100	2.90	56.52	57.11	57.11	57.25	0.093384	1.82	1.96	6.94	0.84
Asta Ovest	774.0153	tr 200	3.27	56.52	57.14	57.14	57.29	0.094613	1.89	2.13	7.04	0.85
Asta Ovest	774.0153	tr 500	3.81	56.52	57.17	57.17	57.33	0.092903	1.97	2.40	7.20	0.85
Asta Ovest	757.3525	tr 50	2.54	54.88	55.35	55.27	55.42	0.057584	1.21	2.34	8.03	0.64
Asta Ovest	757.3525	tr 100	2.90	54.88	55.37	55.30	55.44	0.063720	1.31	2.47	8.14	0.68
Asta Ovest	757.3525	tr 200	3.27	54.88	55.41	55.32	55.48	0.056995	1.32	2.78	8.42	0.65
Asta Ovest	757.3525	tr 500	3.81	54.88	55.44	55.35	55.52	0.060001	1.42	3.03	8.64	0.68
Asta Ovest	738.0729	tr 50	2.54	53.60	54.08	54.08	54.16	0.075144	1.46	2.41	12.21	0.74
Asta Ovest	738.0729	tr 100	2.90	53.60	54.11	54.09	54.18	0.067681	1.44	2.74	12.35	0.71
Asta Ovest	738.0729	tr 200	3.27	53.60	54.12	54.11	54.20	0.078227	1.57	2.84	12.39	0.77
Asta Ovest	738.0729	tr 500	3.81	53.60	54.14	54.13	54.23	0.074756	1.61	3.21	12.55	0.76
Asta Ovest	716.6356	tr 50	2.54	51.71	52.18	52.18	52.29	0.099384	1.63	1.89	8.28	0.85
Asta Ovest	716.6356	tr 100	2.90	51.71	52.19	52.19	52.33	0.111756	1.77	2.00	8.47	0.90
Asta Ovest	716.6356	tr 200	3.27	51.71	52.23	52.23	52.36	0.092946	1.72	2.36	9.28	0.84
Asta Ovest	716.6356	tr 500	3.81	51.71	52.26	52.26	52.39	0.096687	1.83	2.60	9.49	0.86
Asta Ovest	698.2222	tr 50	2.54	49.26	49.71	49.75	49.89	0.178807	1.92	1.46	7.77	1.09
Asta Ovest	698.2222	tr 100	2.90	49.26	49.74	49.78	49.91	0.155449	1.91	1.72	7.96	1.04
Asta Ovest	698.2222	tr 200	3.27	49.26	49.74	49.80	49.96	0.194117	2.14	1.73	7.96	1.16
Asta Ovest	698.2222	tr 500	3.81	49.26	49.77	49.83	50.00	0.183412	2.21	1.98	8.12	1.14
Asta Ovest	676.9409	tr 50	2.54	47.75	48.16	48.12	48.23	0.067289	1.33	2.37	9.89	0.70
Asta Ovest	676.9409	tr 100	2.90	47.75	48.18	48.14	48.26	0.069503	1.40	2.56	10.04	0.72
Asta Ovest	676.9409	tr 200	3.27	47.75	48.20	48.16	48.28	0.069344	1.45	2.78	10.19	0.72
Asta Ovest	676.9409	tr 500	3.81	47.75	48.23	48.19	48.32	0.072810	1.54	3.04	10.35	0.75
Asta Ovest	659.4732	tr 50	2.54	46.11	46.50	46.50	46.60	0.138419	1.46	1.86	9.49	0.94
Asta Ovest	659.4732	tr 100	2.90	46.11	46.52	46.52	46.63	0.131465	1.51	2.07	9.79	0.93
Asta Ovest	659.4732	tr 200	3.27	46.11	46.54	46.54	46.66	0.132103	1.58	2.25	9.94	0.94
Asta Ovest	659.4732	tr 500	3.81	46.11	46.57	46.57	46.69	0.123784	1.63	2.55	10.17	0.92
Asta Ovest	646.9898	tr 50	2.54	44.13	44.55	44.57	44.70	0.168149	1.81	1.54	6.36	1.06
Asta Ovest	646.9898	tr 100	2.90	44.13	44.57	44.59	44.74	0.173183	1.92	1.67	6.42	1.09
Asta Ovest	646.9898	tr 200	3.27	44.13	44.59	44.61	44.77	0.173299	2.00	1.80	6.48	1.10
Asta Ovest	646.9898	tr 500	3.81	44.13	44.61	44.65	44.82	0.183960	2.16	1.95	6.54	1.15
Asta Ovest	632.5916	tr 50	2.54	41.69	42.49	42.31	42.54	0.059253	1.13	2.71	6.48	0.46
Asta Ovest	632.5916	tr 100	2.90	41.69	42.53	42.34	42.58	0.059654	1.18	2.96	6.70	0.46
Asta Ovest	632.5916	tr 200	3.27	41.69	42.56	42.36	42.62	0.060832	1.23	3.21	6.90	0.47
Asta Ovest	632.5916	tr 500	3.81	41.69	42.62	42.41	42.68	0.060957	1.30	3.57	7.19	0.48
Asta Ovest	619.6059	tr 50	2.54	40.67	41.09	41.09	41.20	0.233042	1.70	1.96	8.79	0.88
Asta Ovest	619.6059	tr 100	2.90	40.67	41.11	41.11	41.23	0.238267	1.78	2.14	8.91	0.89
Asta Ovest	619.6059	tr 200	3.27	40.67	41.13	41.13	41.25	0.236432	1.83	2.33	9.03	0.90
Asta Ovest	619.6059	tr 500	3.81	40.67	41.16	41.16	41.29	0.246050	1.94	2.55	9.18	0.92

HEC-RAS Plan: sdf (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Asta Ovest	602.5353	tr 50	2.54	38.14	38.90	38.55	38.94	0.026436	0.85	3.24	5.70	0.32
Asta Ovest	602.5353	tr 100	2.90	38.14	38.95	38.58	38.99	0.027608	0.91	3.49	5.84	0.33
Asta Ovest	602.5353	tr 200	3.27	38.14	38.99	38.62	39.04	0.028838	0.96	3.77	6.57	0.35
Asta Ovest	602.5353	tr 500	3.81	38.14	39.05	38.66	39.10	0.030272	1.03	4.20	7.72	0.36
Asta Ovest	588.5062	tr 50	2.54	37.67	38.09	38.07	38.17	0.171337	1.40	2.29	9.90	0.74
Asta Ovest	588.5062	tr 100	2.90	37.67	38.12	38.08	38.19	0.171767	1.46	2.50	10.03	0.75
Asta Ovest	588.5062	tr 200	3.27	37.67	38.14	38.10	38.22	0.170956	1.51	2.72	10.16	0.76
Asta Ovest	588.5062	tr 500	3.81	37.67	38.17	38.13	38.26	0.171610	1.58	3.01	10.34	0.77
Asta Ovest	573.9681	tr 50	2.54	34.65	35.09	35.09	35.22	0.247362	1.72	1.76	7.02	0.89
Asta Ovest	573.9681	tr 100	2.90	34.65	35.12	35.12	35.25	0.245330	1.79	1.93	7.20	0.90
Asta Ovest	573.9681	tr 200	3.27	34.65	35.14	35.14	35.28	0.245631	1.86	2.10	7.38	0.91
Asta Ovest	573.9681	tr 500	3.81	34.65	35.17	35.17	35.33	0.242837	1.94	2.35	7.62	0.91
Asta Ovest	563.4397	tr 50	2.54	32.63	33.47	33.25	33.54	0.057439	1.26	2.40	4.94	0.47
Asta Ovest	563.4397	tr 100	2.90	32.63	33.52	33.29	33.59	0.058900	1.33	2.62	5.15	0.48
Asta Ovest	563.4397	tr 200	3.27	32.63	33.56	33.33	33.64	0.061358	1.40	2.83	5.34	0.50
Asta Ovest	563.4397	tr 500	3.81	32.63	33.60	33.38	33.70	0.066441	1.52	3.08	5.57	0.52
Asta Ovest	553.9106	tr 50	2.54	31.96	32.43	32.43	32.55	0.239388	1.74	1.81	7.41	0.89
Asta Ovest	553.9106	tr 100	2.90	31.96	32.45	32.45	32.58	0.240703	1.81	1.99	7.60	0.90
Asta Ovest	553.9106	tr 200	3.27	31.96	32.48	32.48	32.62	0.231301	1.85	2.20	7.83	0.89
Asta Ovest	553.9106	tr 500	3.81	31.96	32.52	32.51	32.66	0.208225	1.87	2.55	8.19	0.86
Asta Ovest	542.2435	tr 50	2.54	30.55	31.23	31.04	31.29	0.059230	1.20	2.50	5.53	0.48
Asta Ovest	542.2435	tr 100	2.90	30.55	31.28	31.07	31.35	0.057244	1.24	2.78	5.74	0.47
Asta Ovest	542.2435	tr 200	3.27	30.55	31.32		31.39	0.057784	1.29	3.02	5.93	0.48
Asta Ovest	542.2435	tr 500	3.81	30.55	31.38		31.45	0.059992	1.38	3.33	6.15	0.50
Asta Ovest	532.1995	tr 50	2.54	29.64	30.16	30.14	30.28	0.203346	1.67	1.77	6.17	0.82
Asta Ovest	532.1995	tr 100	2.90	29.64	30.18	30.16	30.32	0.224647	1.80	1.88	6.42	0.87
Asta Ovest	532.1995	tr 200	3.27	29.64	30.20	30.20	30.36	0.227181	1.88	2.05	6.77	0.89
Asta Ovest	532.1995	tr 500	3.81	29.64	30.25	30.25	30.41	0.218507	1.95	2.33	7.22	0.88
Asta Ovest	519.3926	tr 50	2.54	26.58	27.19	27.19	27.35	0.259616	1.87	1.52	5.10	0.91
Asta Ovest	519.3926	tr 100	2.90	26.58	27.23	27.23	27.39	0.232950	1.89	1.75	5.49	0.87
Asta Ovest	519.3926	tr 200	3.27	26.58	27.26	27.26	27.43	0.230038	1.95	1.91	5.62	0.88
Asta Ovest	519.3926	tr 500	3.81	26.58	27.29	27.30	27.48	0.238576	2.08	2.11	5.73	0.90
Asta Ovest	510.142	tr 50	2.54	25.35	25.90	25.75	25.95	0.084763	1.11	2.55	7.54	0.53
Asta Ovest	510.142	tr 100	2.90	25.35	25.93	25.78	25.99	0.082530	1.15	2.82	7.68	0.53
Asta Ovest	510.142	tr 200	3.27	25.35	25.96	25.81	26.03	0.080935	1.19	3.09	7.83	0.54
Asta Ovest	510.142	tr 500	3.81	25.35	26.01	25.85	26.08	0.079126	1.25	3.47	8.15	0.54
Asta Ovest	495.3563	tr 50	2.54	24.00	24.69	24.55	24.76	0.073932	1.36	2.43	6.48	0.53
Asta Ovest	495.3563	tr 100	2.90	24.00	24.73	24.59	24.81	0.075343	1.42	2.67	6.81	0.54
Asta Ovest	495.3563	tr 200	3.27	24.00	24.76	24.62	24.85	0.076703	1.48	2.91	7.12	0.55
Asta Ovest	495.3563	tr 500	3.81	24.00	24.81	24.66	24.90	0.078148	1.56	3.26	7.55	0.56
Asta Ovest	480.3344	tr 50	2.54	22.30	22.61	22.61	22.73	0.314183	1.60	1.74	7.52	0.96
Asta Ovest	480.3344	tr 100	2.90	22.30	22.63	22.63	22.76	0.306212	1.66	1.91	7.71	0.96
Asta Ovest	480.3344	tr 200	3.27	22.30	22.66	22.66	22.79	0.299600	1.73	2.09	7.82	0.97
Asta Ovest	480.3344	tr 500	3.81	22.30	22.69	22.69	22.83	0.293703	1.81	2.32	7.96	0.97
Asta Ovest	449.525	tr 50	2.54	20.86	20.96	21.01	21.11	0.020977	1.84	1.47	17.83	1.94
Asta Ovest	449.525	tr 100	2.90	20.86	20.96	21.02	21.14	0.021199	1.94	1.59	18.02	1.97
Asta Ovest	449.525	tr 200	3.27	20.86	20.97	21.03	21.16	0.021436	2.04	1.72	18.53	2.01
Asta Ovest	449.525	tr 500	3.81	20.86	20.98	21.04	21.19	0.021673	2.17	1.89	18.66	2.05
Asta Ovest	429.2232	tr 50	2.54	20.11	20.34	20.46	20.71	0.016699	2.74	0.97	5.81	1.97
Asta Ovest	429.2232	tr 100	2.90	20.11	20.36	20.48	20.75	0.015490	2.81	1.09	6.04	1.92
Asta Ovest	429.2232	tr 200	3.27	20.11	20.38	20.51	20.79	0.014454	2.87	1.21	6.27	1.89
Asta Ovest	429.2232	tr 500	3.81	20.11	20.41	20.55	20.83	0.013285	2.96	1.38	6.59	1.84
Asta Ovest	408.7845	tr 50	2.54	19.44	19.66	19.66	19.71	0.003864	1.08	2.74	25.74	0.90
Asta Ovest	408.7845	tr 100	2.90	19.44	19.67	19.67	19.72	0.003963	1.14	2.96	25.95	0.92
Asta Ovest	408.7845	tr 200	3.27	19.44	19.68	19.68	19.74	0.004092	1.20	3.20	26.47	0.94
Asta Ovest	408.7845	tr 500	3.81	19.44	19.69	19.69	19.75	0.004060	1.27	3.58	27.33	0.95
Asta Ovest	390.5629	tr 50	2.54	18.43	18.53	18.65	19.42	0.127598	4.44	0.63	8.49	4.76
Asta Ovest	390.5629	tr 100	2.90	18.43	18.54	18.68	19.43	0.111197	4.45	0.71	8.69	4.52
Asta Ovest	390.5629	tr 200	3.27	18.43	18.55	18.70	19.45	0.098573	4.47	0.80	8.89	4.33
Asta Ovest	390.5629	tr 500	3.81	18.43	18.56	18.71	19.47	0.085472	4.52	0.93	9.60	4.11
Asta Ovest	365.8859	tr 50	2.54	15.46	15.69	15.91	17.04	0.073561	5.36	0.52	3.96	4.01
Asta Ovest	365.8859	tr 100	2.90	15.46	15.70	15.94	17.17	0.073946	5.62	0.58	4.13	4.06
Asta Ovest	365.8859	tr 200	3.27	15.46	15.71	15.96	17.29	0.073928	5.86	0.63	4.31	4.11

HEC-RAS Plan: sdf (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Asta Ovest	365.8859	tr 500	3.81	15.46	15.73	15.99	17.45	0.073296	6.16	0.71	4.55	4.14
Asta Ovest	347.7444	tr 50	2.54	13.98	14.09	14.22	15.12	0.144658	4.84	0.59	8.71	5.10
Asta Ovest	347.7444	tr 100	2.90	13.98	14.10	14.23	15.22	0.147332	5.09	0.64	9.34	5.20
Asta Ovest	347.7444	tr 200	3.27	13.98	14.10	14.24	15.33	0.150213	5.34	0.70	9.91	5.30
Asta Ovest	347.7444	tr 500	3.81	13.98	14.11	14.29	15.48	0.154126	5.67	0.78	10.29	5.43
Asta Ovest	335.2694	tr 50	2.54	12.71	12.82	12.94	13.46	0.106787	3.60	0.73	10.58	4.22
Asta Ovest	335.2694	tr 100	2.90	12.71	12.83	12.95	13.53	0.108057	3.80	0.79	10.74	4.30
Asta Ovest	335.2694	tr 200	3.27	12.71	12.84	12.96	13.61	0.109013	4.00	0.85	10.90	4.37
Asta Ovest	335.2694	tr 500	3.81	12.71	12.84	12.99	13.71	0.110174	4.26	0.94	11.12	4.46
Asta Ovest	320.8625	tr 50	2.54	11.65	11.81	11.90	12.28	0.060148	3.08	0.87	12.27	3.28
Asta Ovest	320.8625	tr 100	2.90	11.65	11.82	11.91	12.33	0.061053	3.25	0.95	12.89	3.34
Asta Ovest	320.8625	tr 200	3.27	11.65	11.82	11.92	12.38	0.061897	3.41	1.04	15.34	3.40
Asta Ovest	320.8625	tr 500	3.81	11.65	11.83	11.93	12.46	0.063389	3.63	1.17	19.03	3.48
Asta Ovest	307.2409	tr 50	2.54	10.42	10.63	10.82	11.42	0.060980	4.00	0.66	5.96	3.51
Asta Ovest	307.2409	tr 100	2.90	10.42	10.64	10.86	11.48	0.058625	4.15	0.73	6.12	3.49
Asta Ovest	307.2409	tr 200	3.27	10.42	10.65	10.87	11.54	0.056457	4.28	0.80	6.28	3.47
Asta Ovest	307.2409	tr 500	3.81	10.42	10.66	10.89	11.63	0.053868	4.46	0.90	6.50	3.45
Asta Ovest	264.0902	tr 50	2.54	7.09	7.24	7.42	8.32	0.083969	4.76	0.58	5.70	4.14
Asta Ovest	264.0902	tr 100	2.90	7.09	7.25	7.44	8.43	0.084859	5.00	0.64	5.83	4.21
Asta Ovest	264.0902	tr 200	3.27	7.09	7.26	7.46	8.54	0.085503	5.23	0.69	5.96	4.27
Asta Ovest	264.0902	tr 500	3.81	7.09	7.27	7.50	8.69	0.085985	5.53	0.77	6.13	4.33
Asta Ovest	244.3422	tr 50	2.54	6.28	6.42	6.49	6.73	0.057710	2.58	1.09	15.06	2.61
Asta Ovest	244.3422	tr 100	2.90	6.28	6.42	6.50	6.77	0.060843	2.75	1.18	15.52	2.71
Asta Ovest	244.3422	tr 200	3.27	6.28	6.43	6.51	6.82	0.064280	2.92	1.25	15.60	2.80
Asta Ovest	244.3422	tr 500	3.81	6.28	6.43	6.53	6.88	0.068949	3.14	1.36	15.71	2.93
Asta Ovest	215.7305	tr 50	2.54	6.18	6.35	6.35	6.42	0.003127	1.33	2.29	17.76	1.09
Asta Ovest	215.7305	tr 100	2.90	6.18	6.36	6.37	6.44	0.003372	1.43	2.43	17.88	1.14
Asta Ovest	215.7305	tr 200	3.27	6.18	6.37	6.38	6.46	0.003570	1.52	2.59	18.17	1.18
Asta Ovest	215.7305	tr 500	3.81	6.18	6.38	6.40	6.49	0.003931	1.66	2.78	18.52	1.25
Valle	185.3996	tr 50	4.89	4.95	5.09	5.18	6.31	0.090870	5.45	1.02	12.98	5.47
Valle	185.3996	tr 100	5.67	4.95	5.10	5.18	6.33	0.077967	5.43	1.18	13.35	5.16
Valle	185.3996	tr 200	6.46	4.95	5.11	5.20	6.35	0.068191	5.43	1.34	13.72	4.91
Valle	185.3996	tr 500	7.59	4.95	5.13	5.22	6.37	0.058243	5.44	1.56	14.23	4.63
Valle	170.9083	tr 50	4.89	4.51	4.70	4.77	5.48	0.029827	4.31	1.33	12.28	3.40
Valle	170.9083	tr 100	5.67	4.51	4.71	4.77	5.56	0.029721	4.52	1.49	12.90	3.43
Valle	170.9083	tr 200	6.46	4.51	4.72	4.78	5.63	0.029435	4.70	1.65	13.51	3.46
Valle	170.9083	tr 500	7.59	4.51	4.74	4.80	5.72	0.029113	4.92	1.86	14.30	3.48
Valle	138.5854	tr 50	4.89	3.74	3.87	3.99	4.44	0.030584	3.60	1.51	15.88	3.28
Valle	138.5854	tr 100	5.67	3.74	3.88	4.01	4.51	0.030955	3.80	1.66	16.53	3.34
Valle	138.5854	tr 200	6.46	3.74	3.89	4.03	4.58	0.031275	3.99	1.80	17.28	3.39
Valle	138.5854	tr 500	7.59	3.74	3.90	4.05	4.68	0.031656	4.23	2.02	19.40	3.46
Valle	120.2697	tr 50	4.89	3.40	3.49	3.49	3.49	0.000077	0.13	16.05	48.56	0.15
Valle	120.2697	tr 100	5.67	3.40	3.49	3.49	3.50	0.000104	0.15	16.05	48.56	0.17
Valle	120.2697	tr 200	6.46	3.40	3.49	3.49	3.50	0.000135	0.17	16.05	48.56	0.20
Valle	120.2697	tr 500	7.59	3.40	3.49	3.49	3.50	0.000186	0.20	16.05	48.56	0.23
Valle	93.24226	tr 50	4.89	2.82	2.91	2.99	3.44	0.097219	3.31	1.52	27.07	4.23
Valle	93.24226	tr 100	5.67	2.82	2.91	3.00	3.44	0.083562	3.26	1.77	28.89	4.06
Valle	93.24226	tr 200	6.46	2.82	2.92	3.01	3.44	0.072697	3.20	2.04	30.64	3.88
Valle	93.24226	tr 500	7.59	2.82	2.94	3.02	3.44	0.061544	3.17	2.42	33.16	3.64
Valle	67.65788	tr 50	4.89	2.53	2.77	2.80	2.88	0.006734	1.73	3.37	29.84	1.25
Valle	67.65788	tr 100	5.67	2.53	2.78	2.82	2.91	0.006695	1.79	3.71	30.27	1.26
Valle	67.65788	tr 200	6.46	2.53	2.79	2.83	2.93	0.006608	1.84	4.06	30.72	1.26
Valle	67.65788	tr 500	7.59	2.53	2.81	2.85	2.96	0.006454	1.91	4.54	31.33	1.26
Valle	44.69963	tr 50	4.89	2.06	2.15	2.23	2.53	0.048415	2.86	1.89	36.81	3.68
Valle	44.69963	tr 100	5.67	2.06	2.16	2.24	2.56	0.045259	2.95	2.13	37.99	3.62
Valle	44.69963	tr 200	6.46	2.06	2.16	2.25	2.58	0.042840	3.04	2.37	39.13	3.57
Valle	44.69963	tr 500	7.59	2.06	2.17	2.26	2.62	0.040228	3.16	2.70	40.65	3.52
Valle	23.8688	tr 50	4.89	1.42	1.53	1.60	1.82	0.023502	2.52	2.15	32.41	2.72
Valle	23.8688	tr 100	5.67	1.42	1.54	1.62	1.86	0.024100	2.68	2.36	34.41	2.79
Valle	23.8688	tr 200	6.46	1.42	1.54	1.63	1.90	0.024698	2.82	2.57	35.32	2.85
Valle	23.8688	tr 500	7.59	1.42	1.55	1.65	1.95	0.025184	3.00	2.85	36.23	2.91
Valle	7.9492	tr 50	4.89	1.28	1.39	1.39	1.42	0.002712	0.90	7.84	153.72	0.94
Valle	7.9492	tr 100	5.67	1.28	1.38	1.40	1.43	0.006026	1.25	6.43	143.21	1.37

HEC-RAS Plan: sdf (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Valle	7.9492	tr 200	6.46	1.28	1.37	1.40	1.49	0.018741	1.98	4.70	120.84	2.35
Valle	7.9492	tr 500	7.59	1.28	1.37	1.41	1.51	0.020686	2.14	5.07	125.24	2.49

COMUNE DI PALAU (SS)

RISANAMENTO IDROGEOLOGICO AMBITO "CANALE LICCIA" – PALAU EST

E "CANALE BARAGGE" – VECCHIO MARINO

Area di indagine: **CANALE BARAGGE – CANALE LICCIA**

SIMULAZIONI IN MOTO PERMANENTE

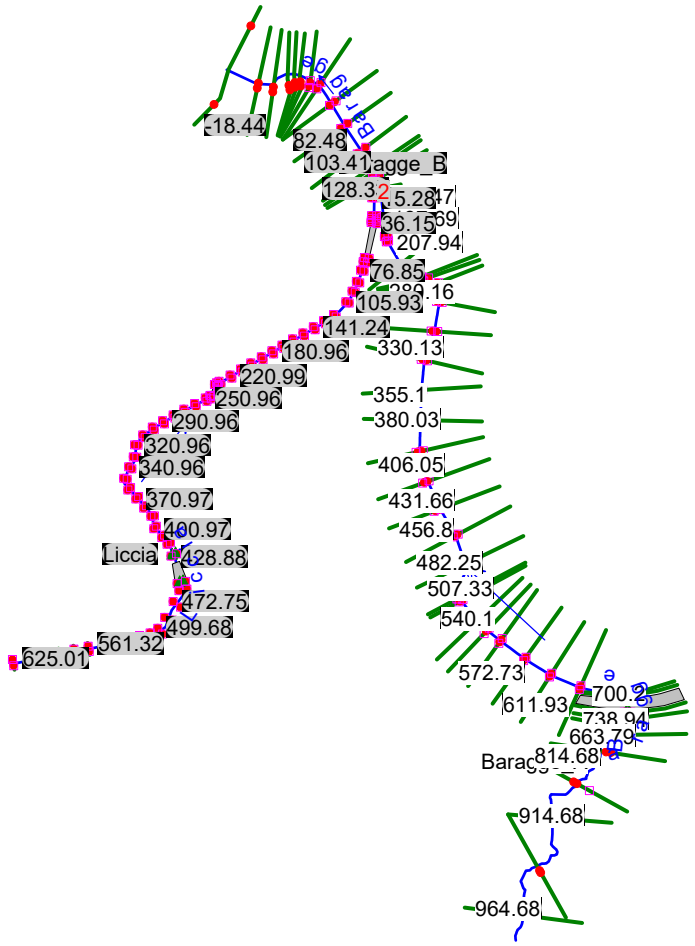
CANALE LICCIA – CANALE BARAGGE

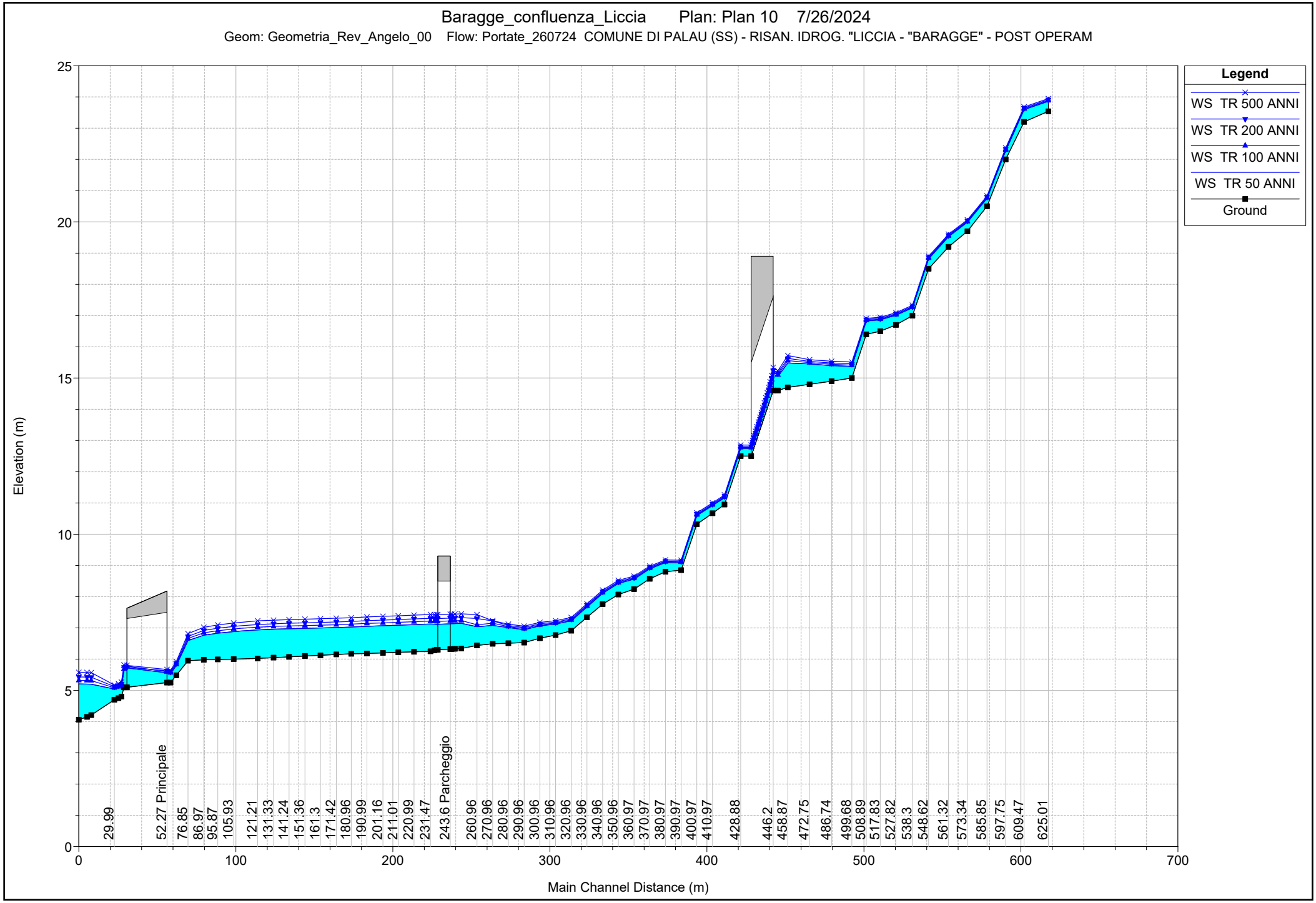
POST OPERAM

- Schema planimetrico del modello matematico;
- Profili longitudinali con livelli idrici per i tempi di ritorno 50, 100, 200 e 500 anni;
- Sezioni trasversali con livelli idrici per tempi di ritorno 50, 100, 200 e 500 anni;
- Tabulati numerici di output per tempi di ritorno 50, 100, 200 e 500 anni;
- Verifica dei franchi idraulici

		PORTATE mc/s				
River	**Reach**	**RS**	**Tr 50 anni**	**Tr 100 anni**	**Tr 200 anni**	**Tr 500 anni**
Baragge	Baragge_A	963.04	2.334	2.716	3.113	3.687
Baragge	Baragge_A	635.48	3.103	3.647	4.211	5.017
Baragge	Baragge_A	264.34	3.818	4.463	5.131	6.087
Baragge	Baragge_B	155.38	**8.712**	**10.13**	**11.593**	**13.675**
Liccia	**Liccia**	**628.62**	**2.541**	**2.897**	**3.268**	**3.814**
Liccia	Liccia	541.91	4.615	5.28	5.974	6.993
Liccia	Liccia	462.48	4.894	5.667	6.462	7.588

			condizioni al contorno	
River	**Reach**	**PROFILI**	**upstream**	**downstream**
Baragge	Baragge_A	all	Normal Depth S = 0.05	Junction=2
Baragge	Baragge_B	all	Junction=2	Known WS
Liccia	**Liccia**	all	Normal Depth S = 0.05	Junction=2


18.44
32.48
103.41
agge_B
128.3
5.28
36.15
207.94
76.85
105.93
141.24
180.96
220.99
250.96
290.96
320.96
340.96
370.97
400.97
Liccia
428.88
472.75
499.68
561.32
625.01
330.13
355.1
380.03
406.05
431.66
456.8
482.25
507.33
540.1
572.73
611.93
663.79
814.68
914.68
964.68


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Elevation (m)
Main Channel Distance (m)
0
5
10
15
20
25
0
100
200
300
400
500
600
700
29.99
52.27 Principale
76.85
86.97
95.87
105.93
121.21
131.33
141.24
151.36
161.3
171.42
180.96
190.99
201.16
211.01
220.99
231.47
243.6 Parcheggio
260.96
270.96
280.96
290.96
300.96
310.96
320.96
330.96
340.96
350.96
360.97
370.97
380.97
390.97
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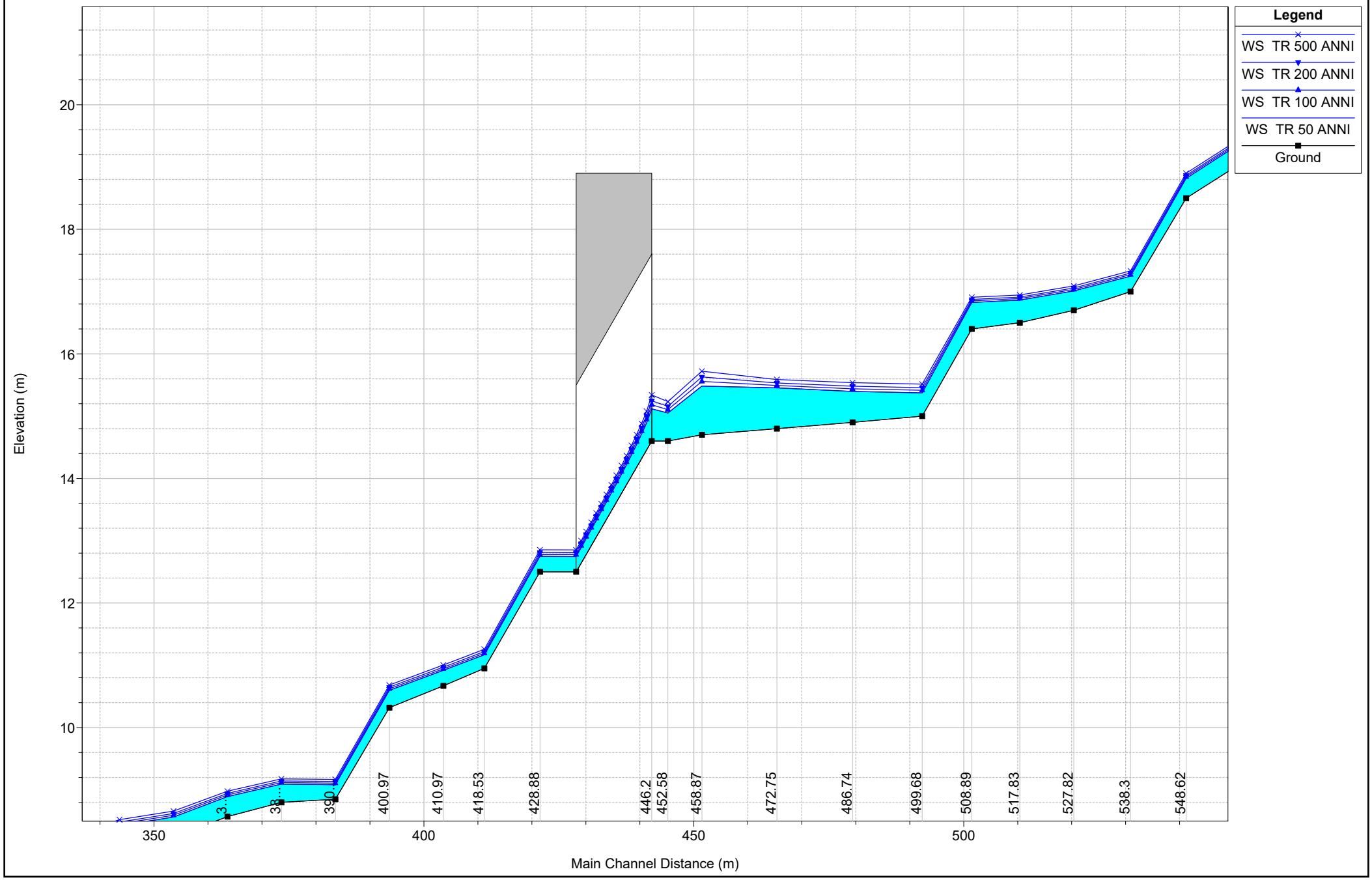
472.75
486.74
499.68
508.89
517.83
527.82
538.3
548.62
561.32
573.34
585.85
597.75
609.47
625.01

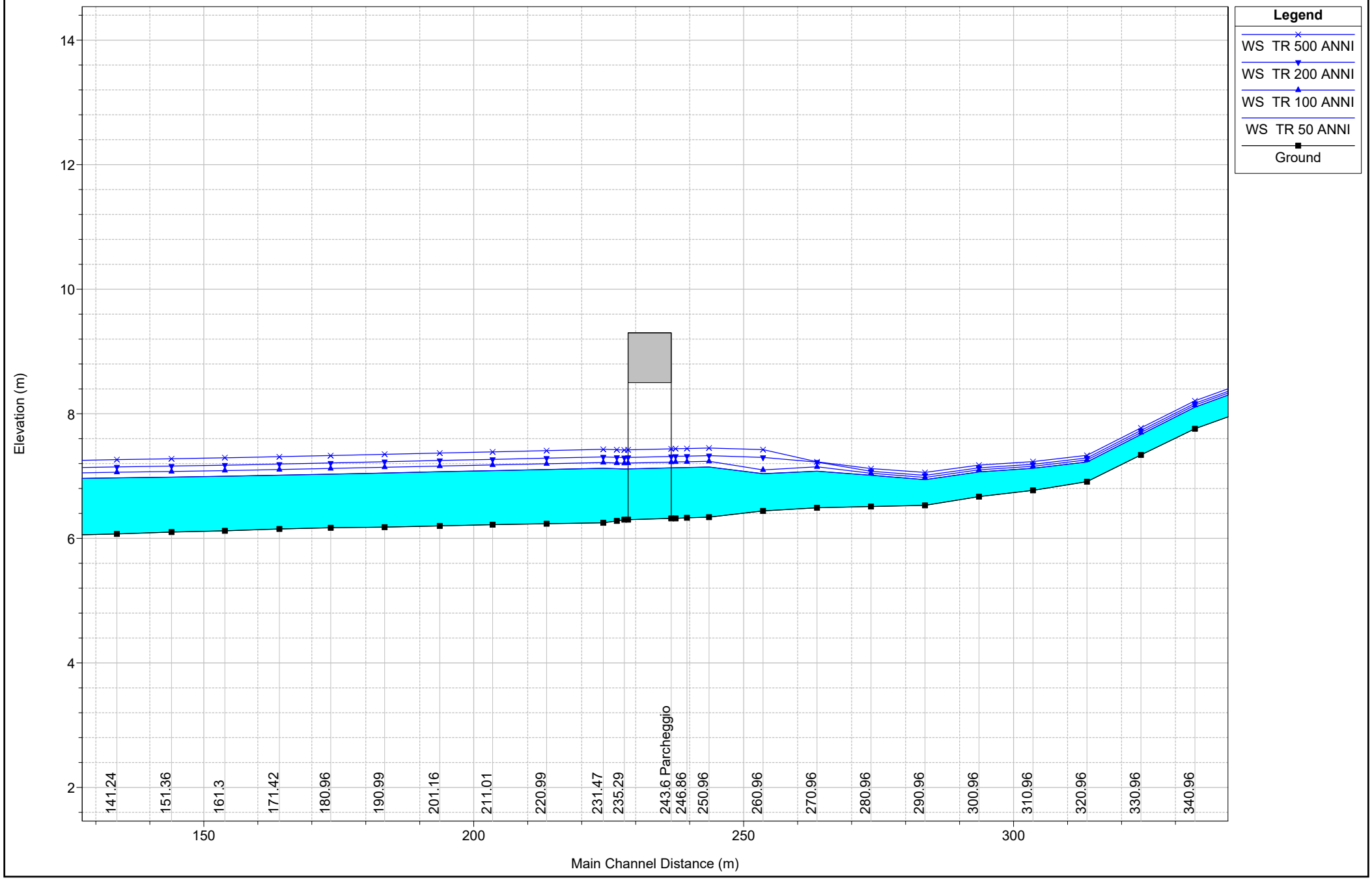
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



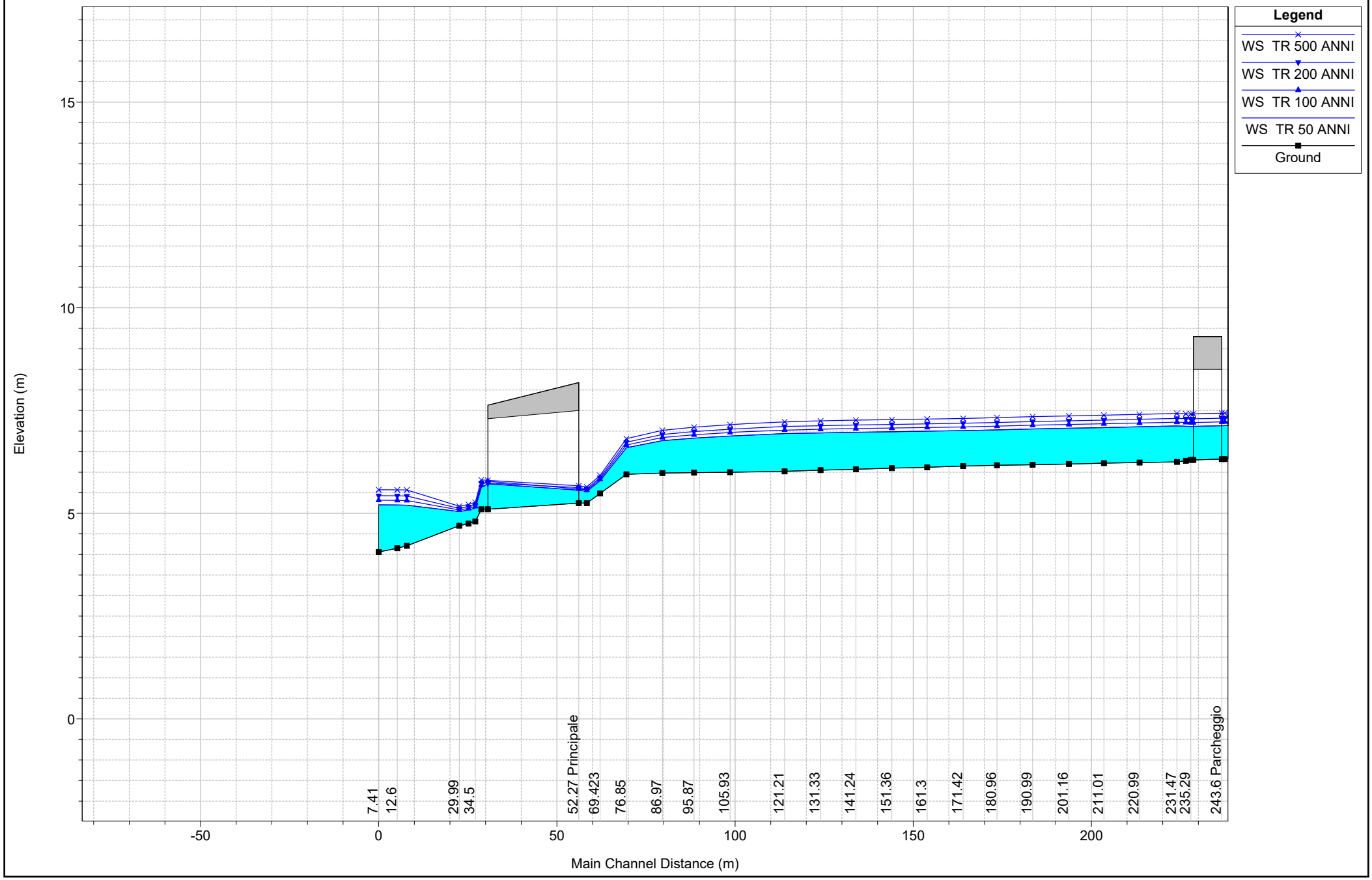
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

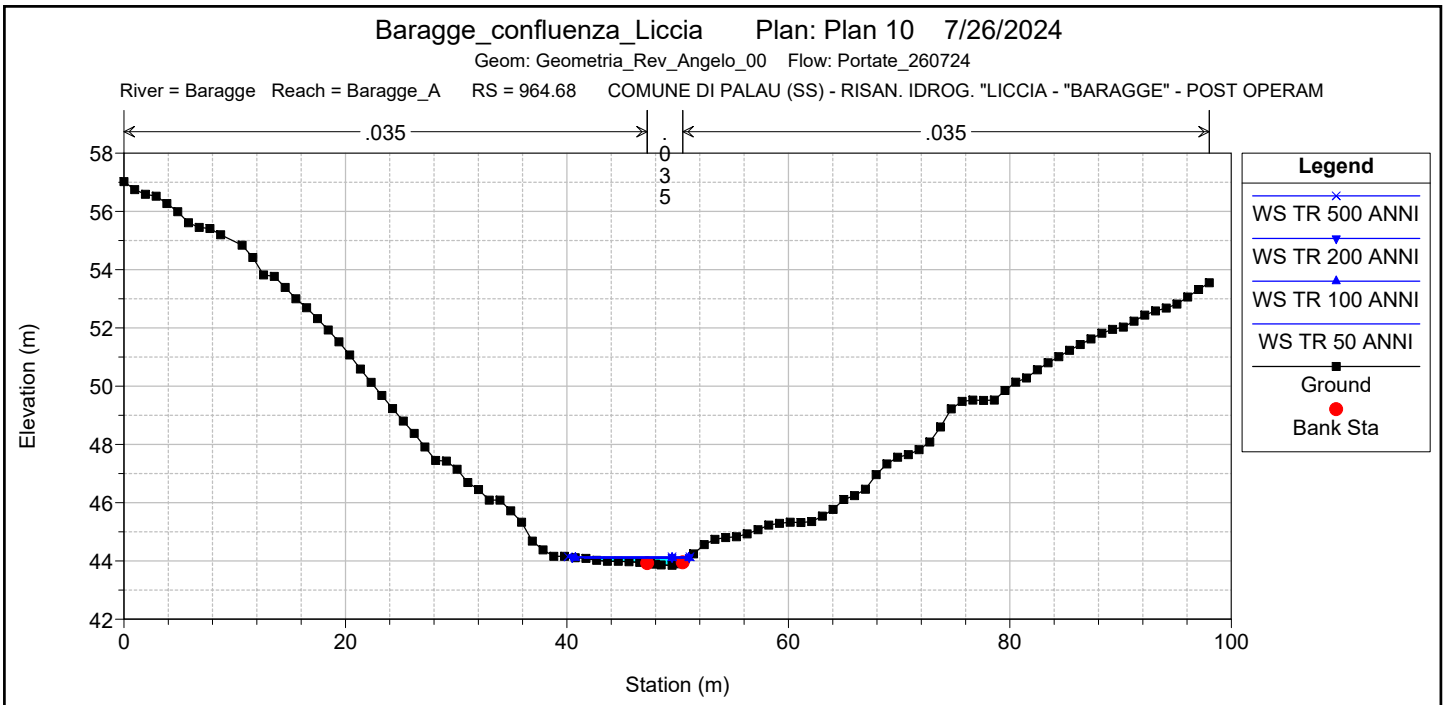
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

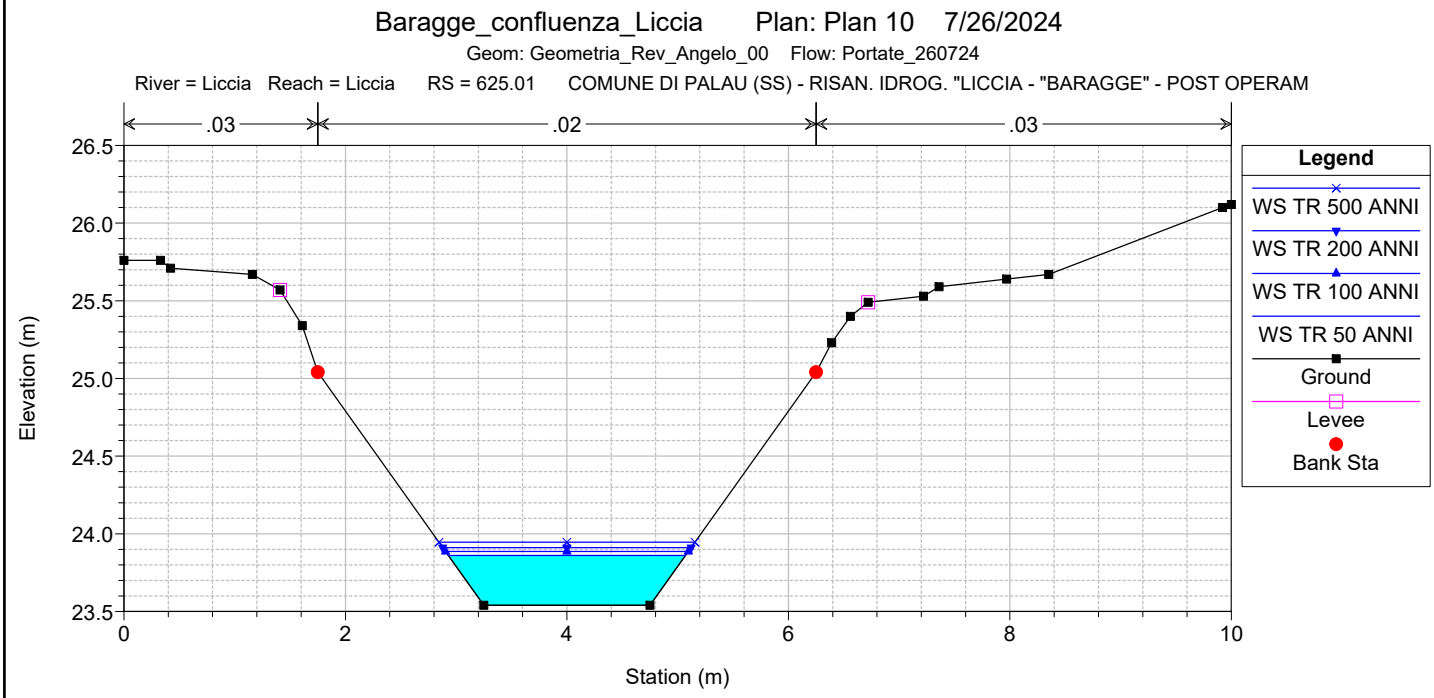


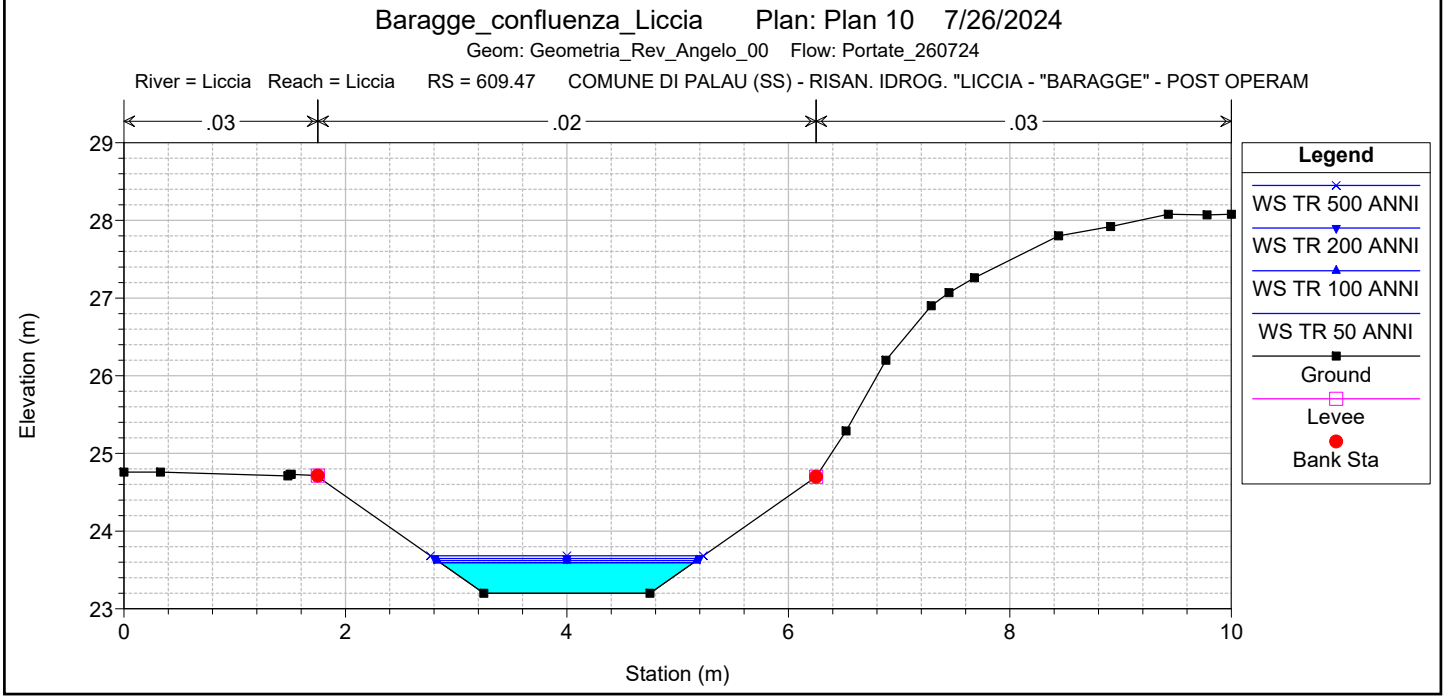
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

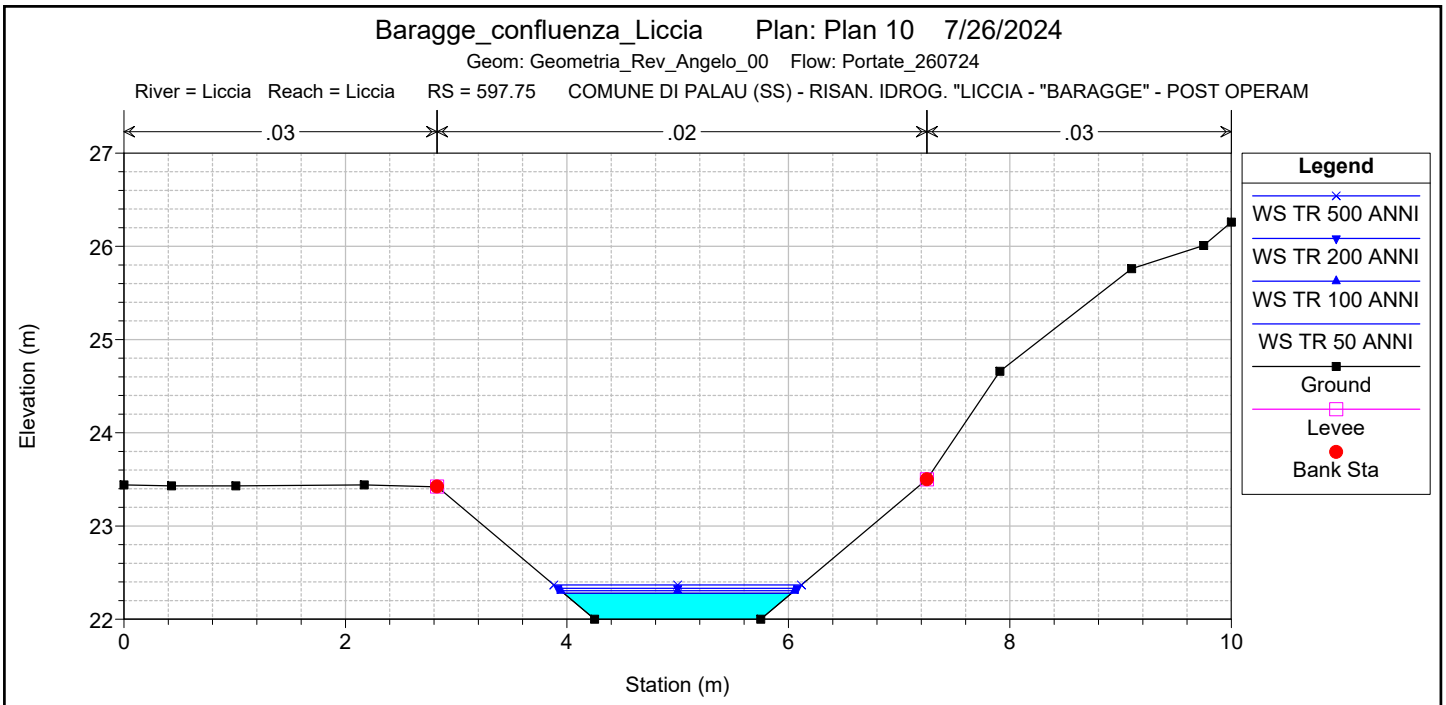
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

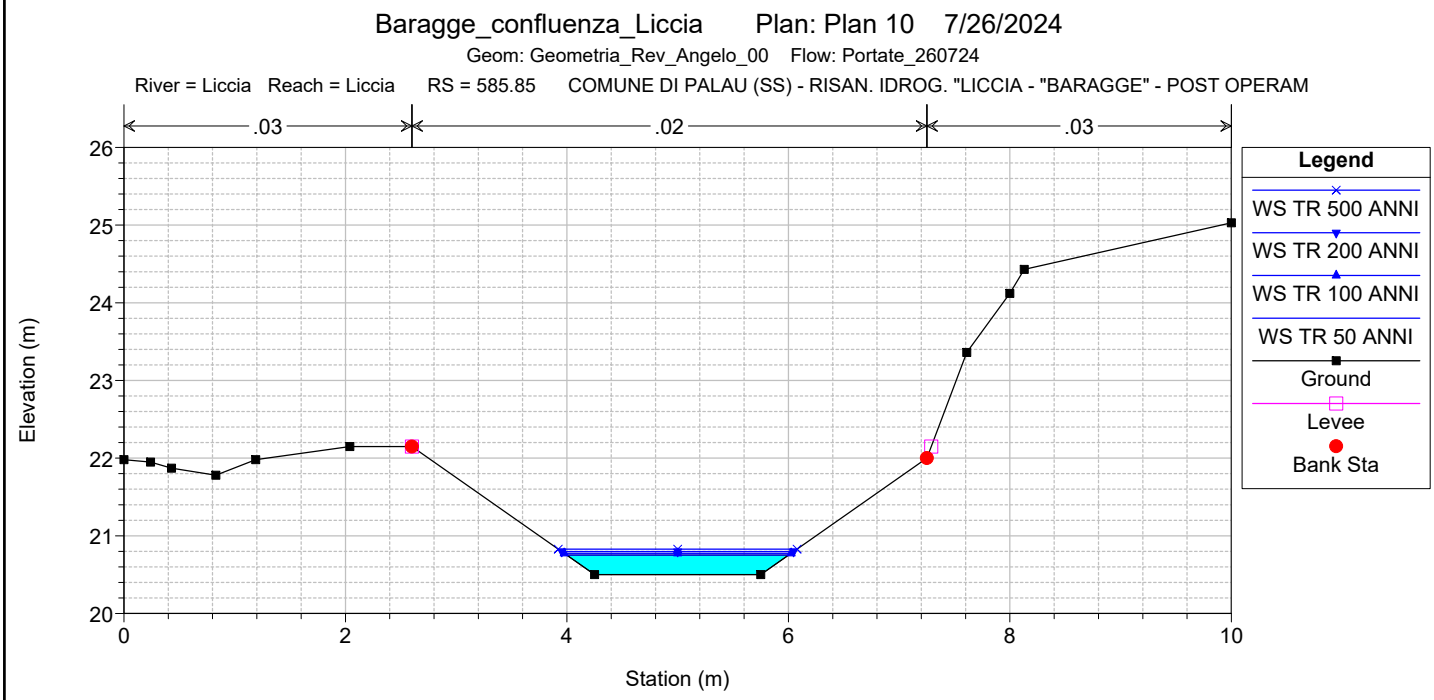


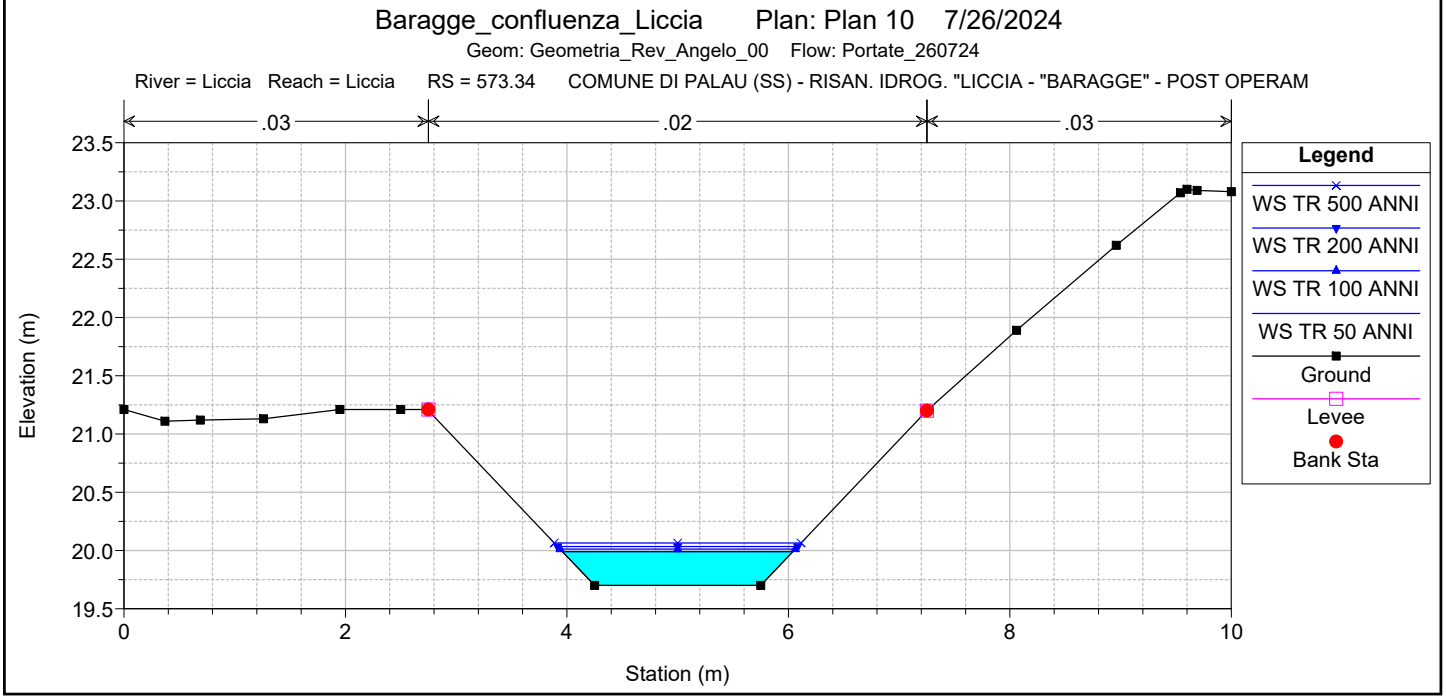

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 964.68 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 625.01 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 609.47 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 597.75 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

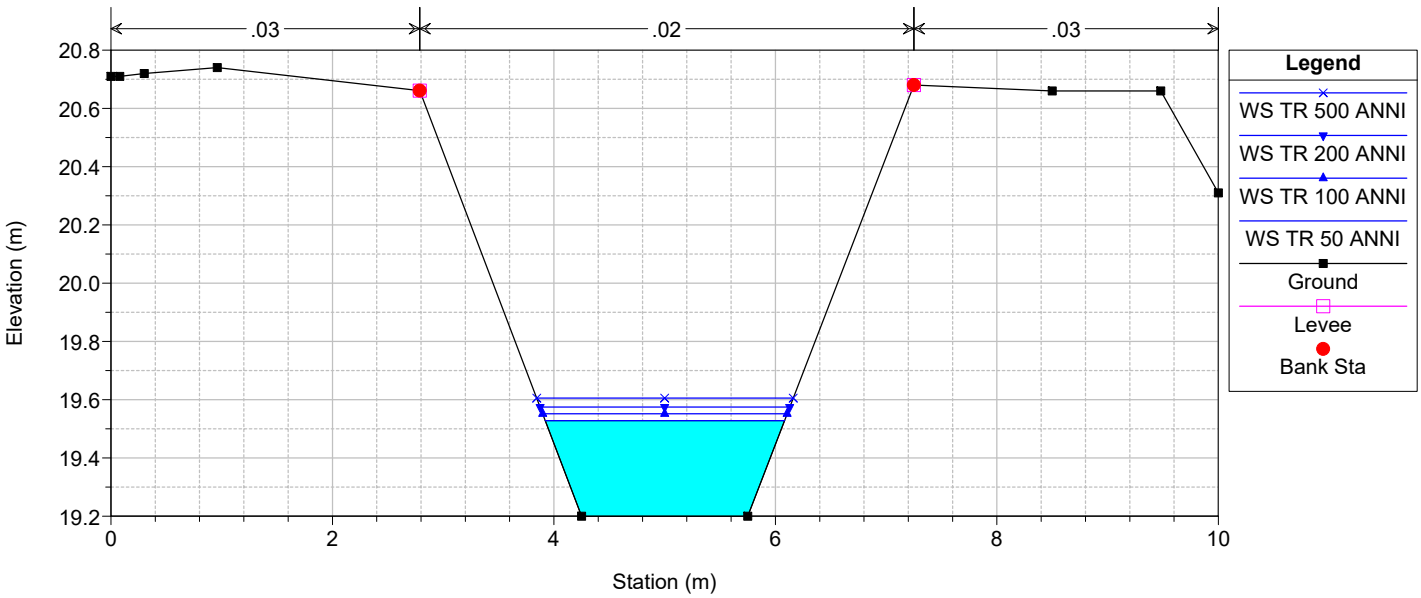

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 585.85 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 573.34 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

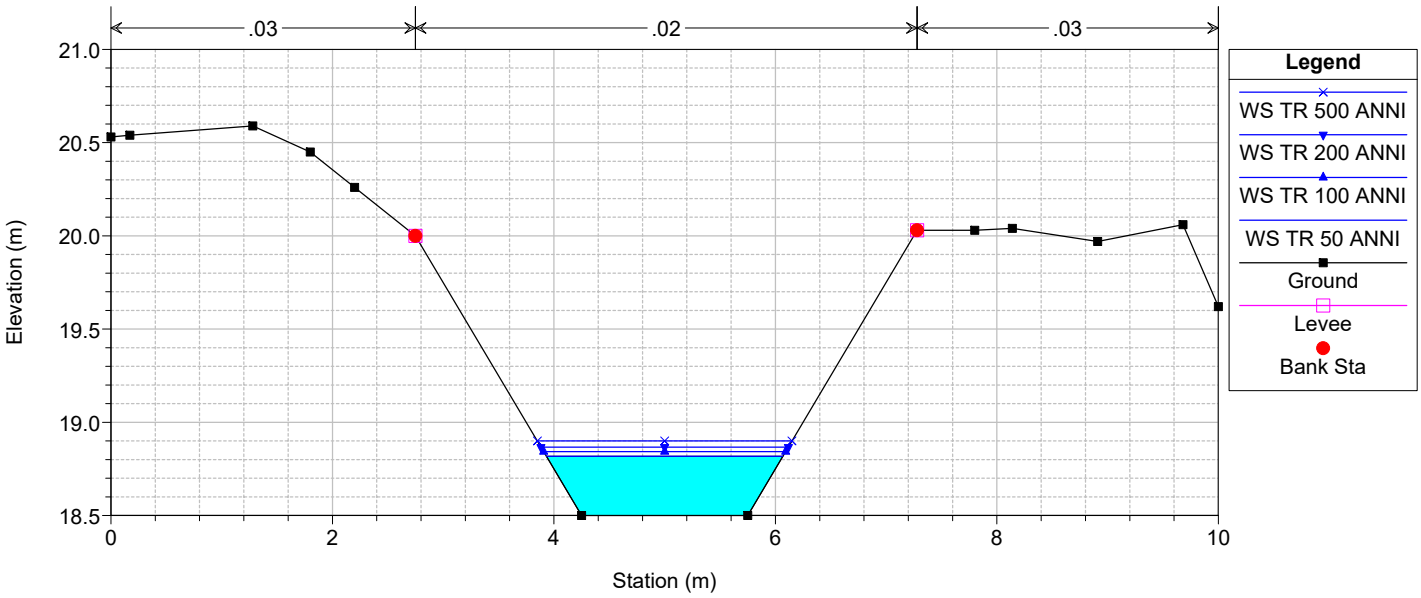
River = Liccia Reach = Liccia RS = 561.32 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

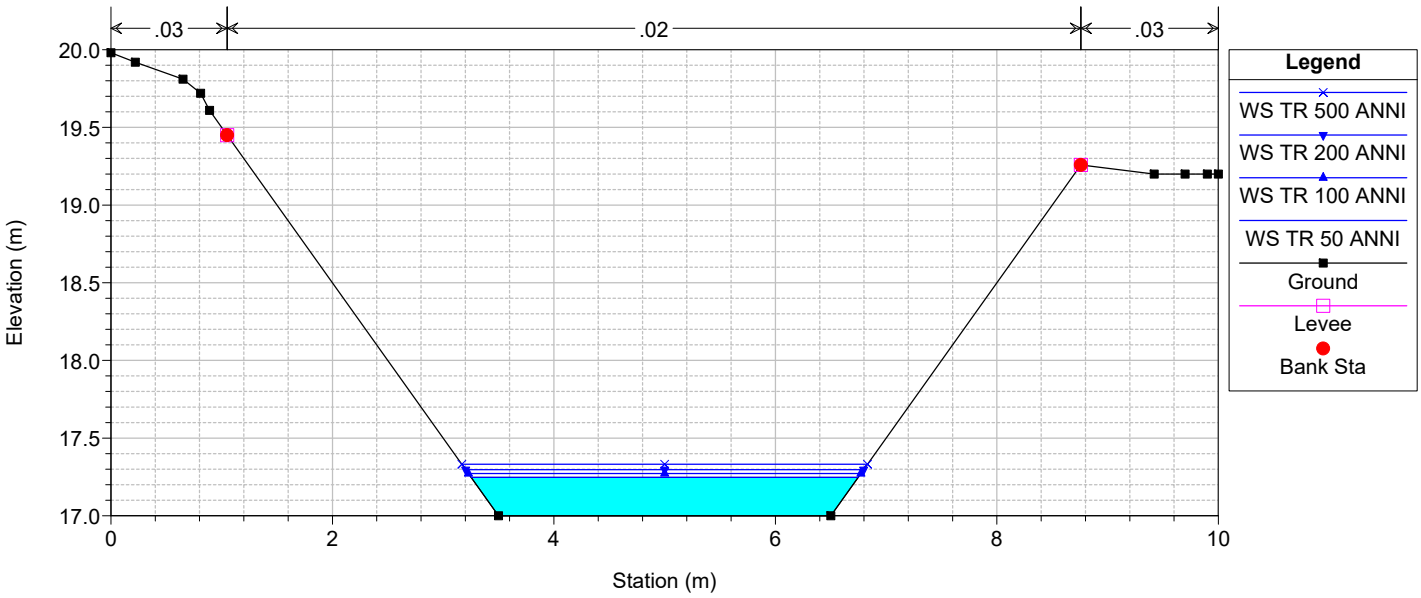
River = Liccia Reach = Liccia RS = 548.62 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

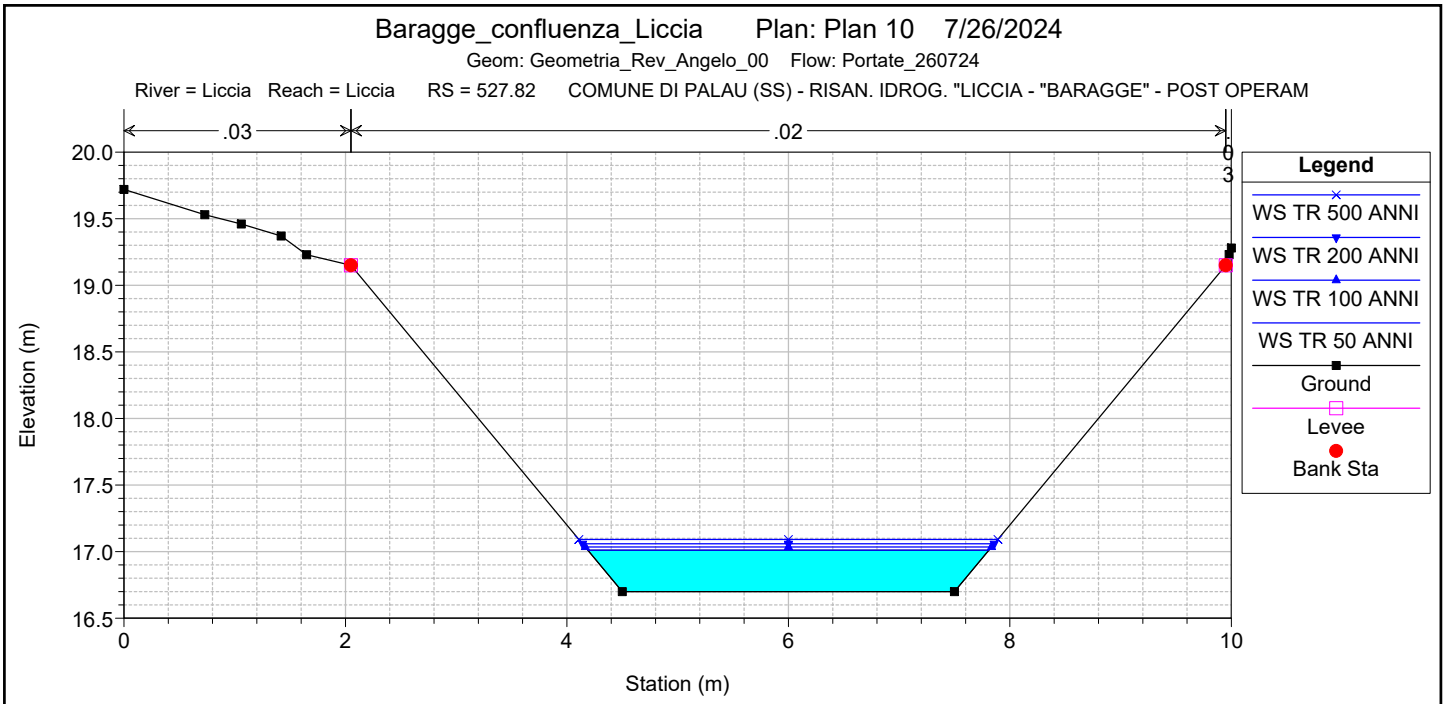


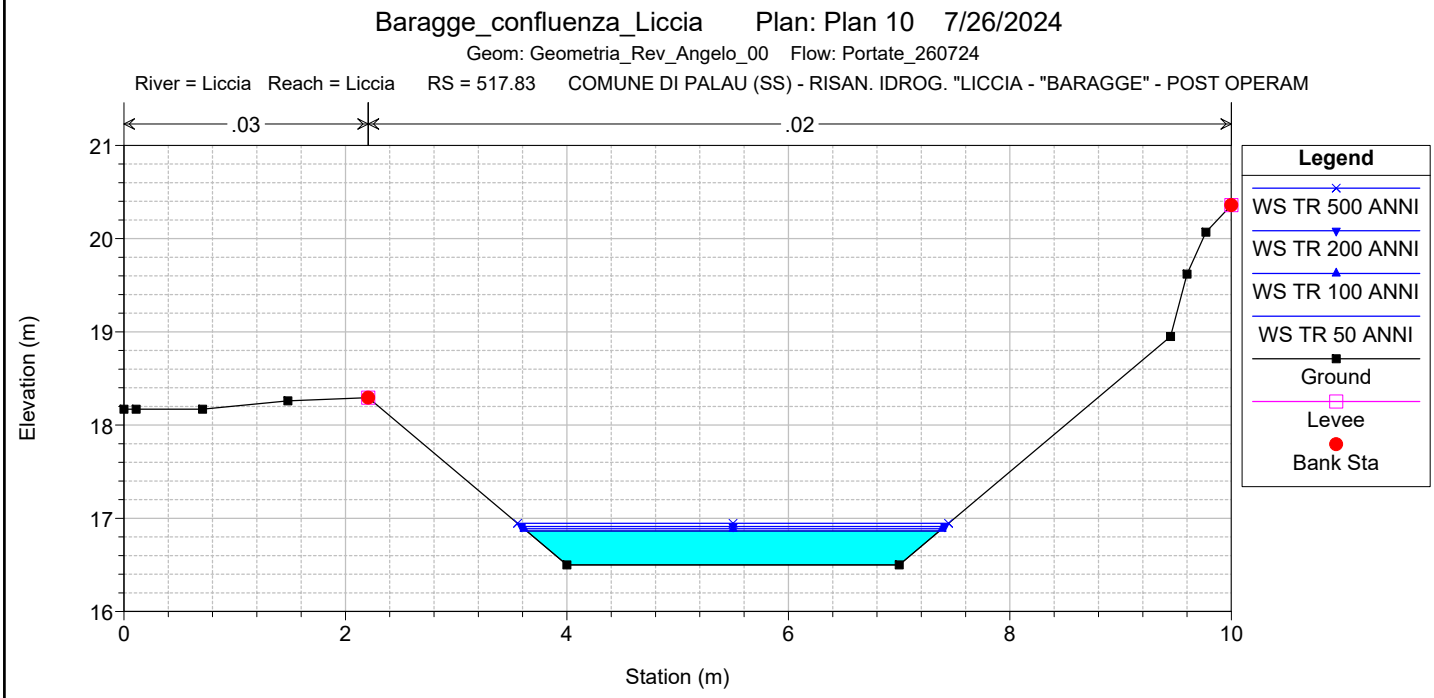
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

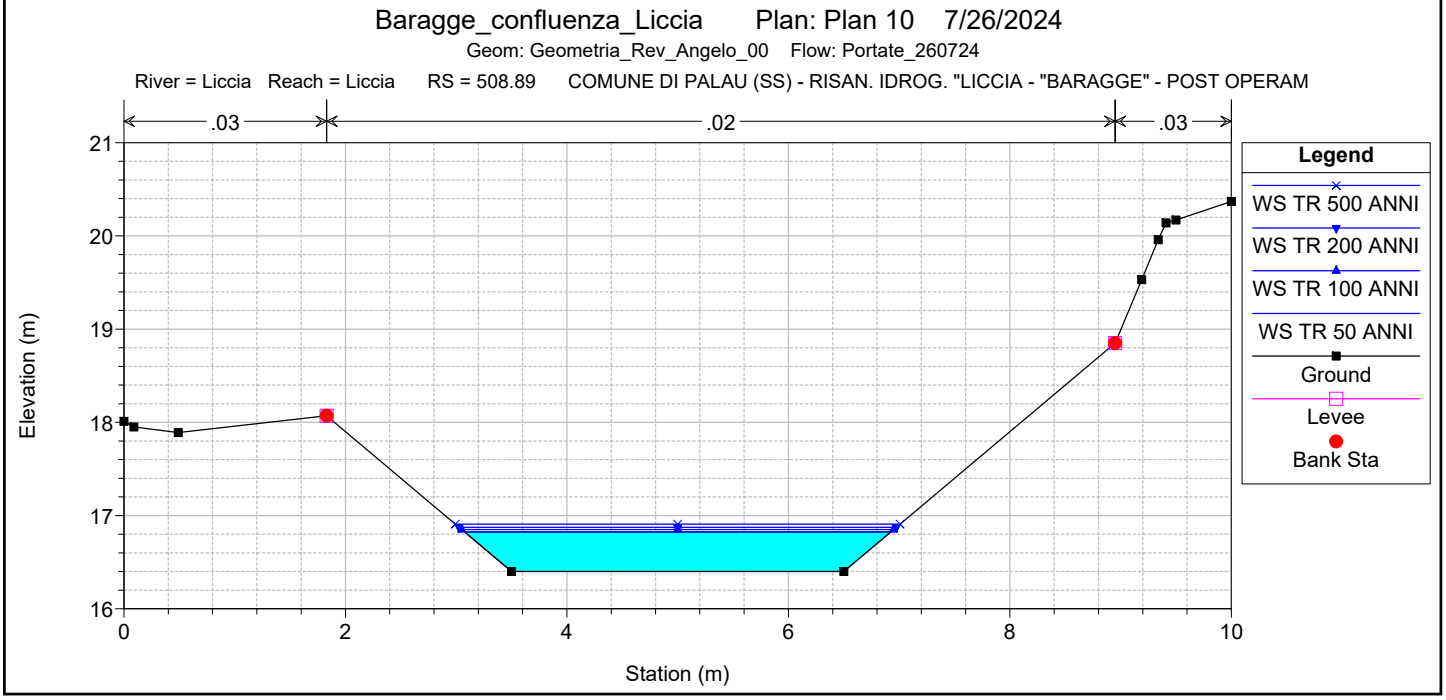
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

River = Liccia Reach = Liccia RS = 538.3 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM




Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 527.82 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

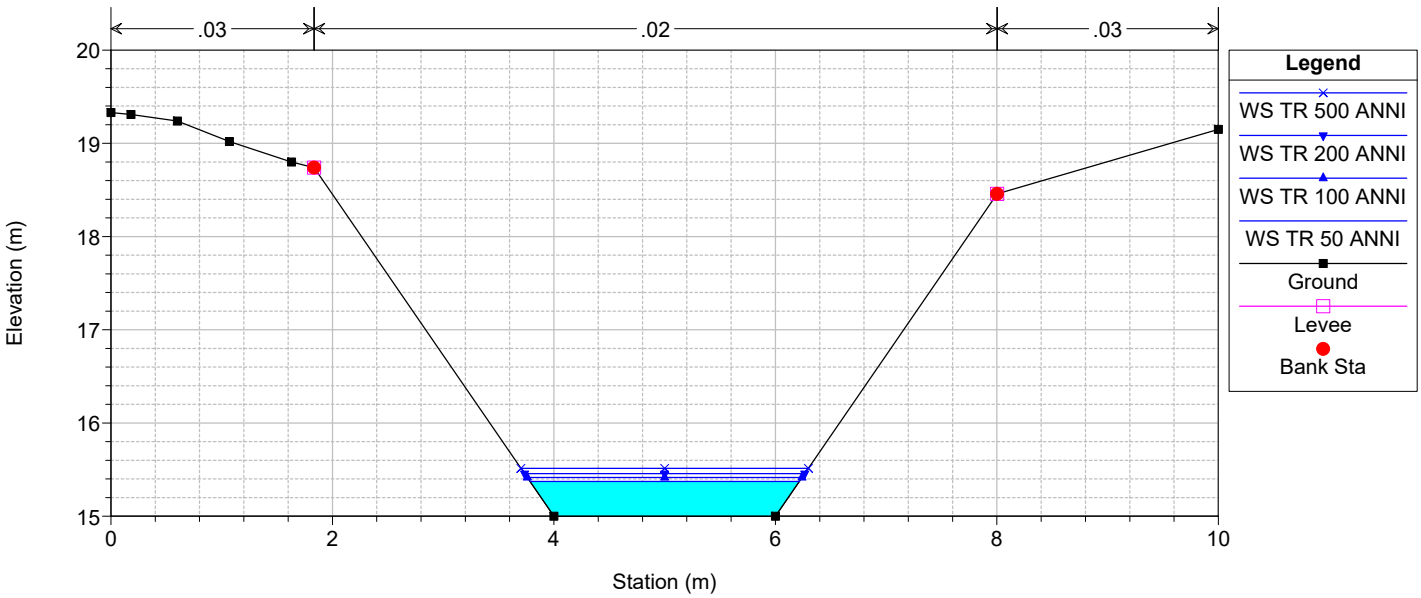

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 517.83 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 508.89 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.03
.02
.03
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

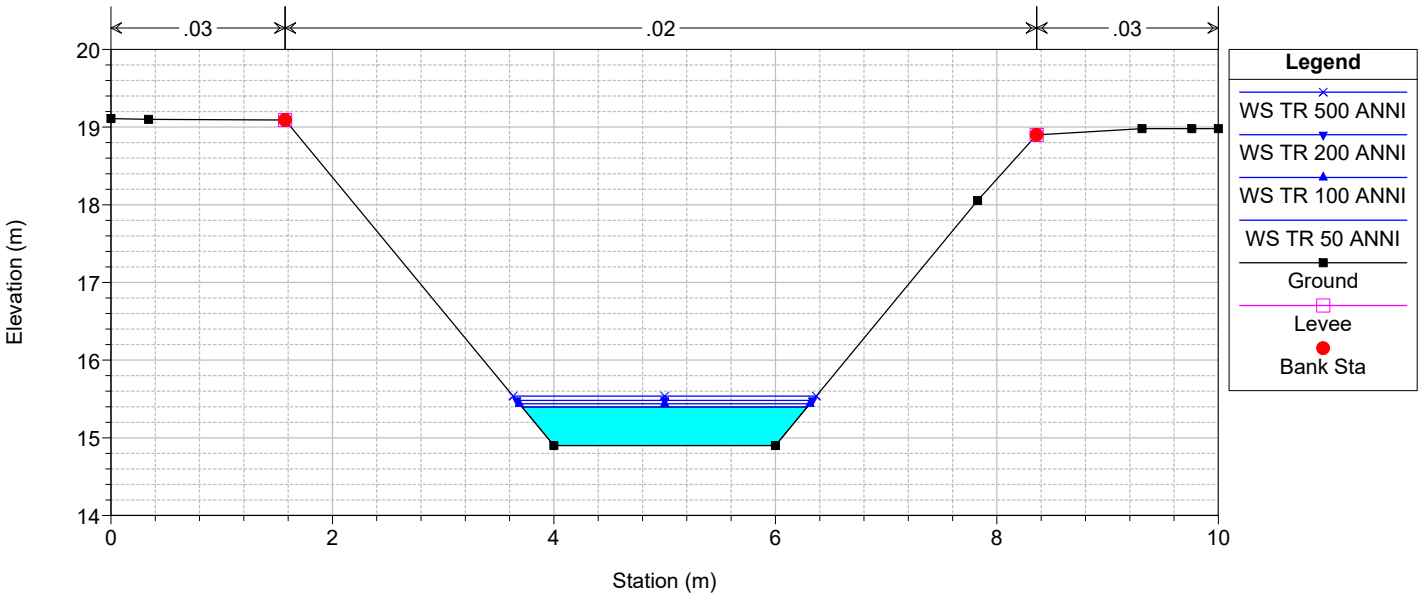
River = Liccia Reach = Liccia RS = 499.68 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

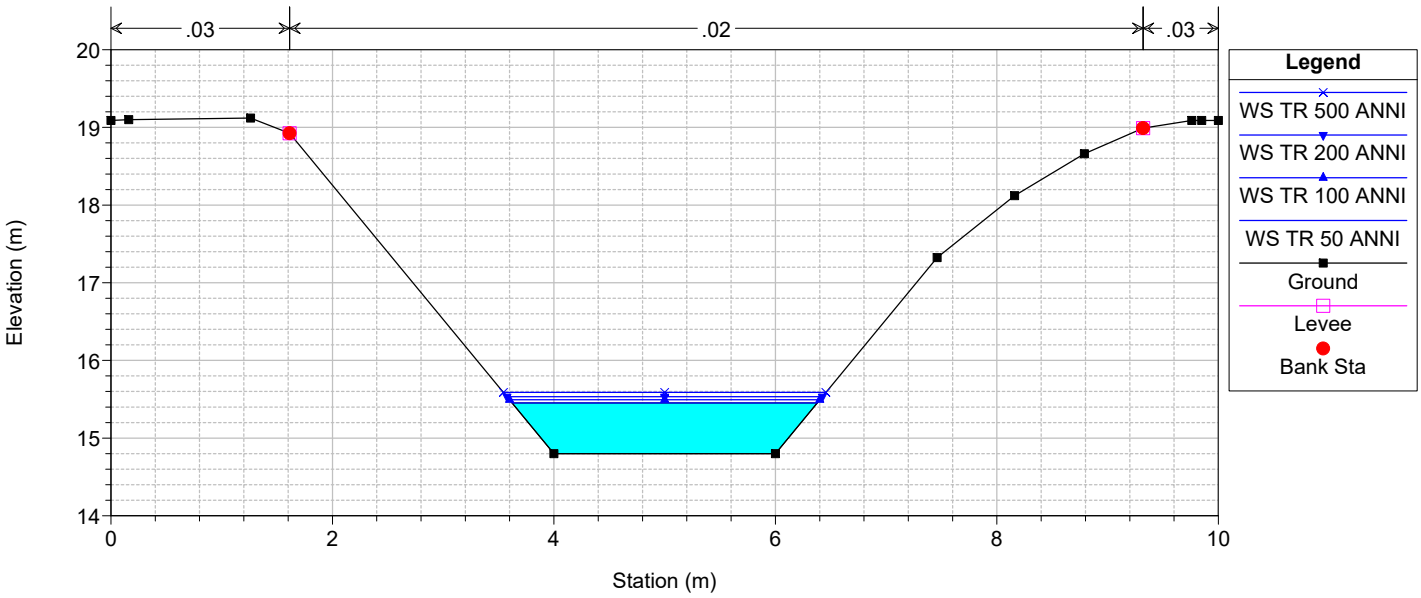
River = Liccia Reach = Liccia RS = 486.74 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

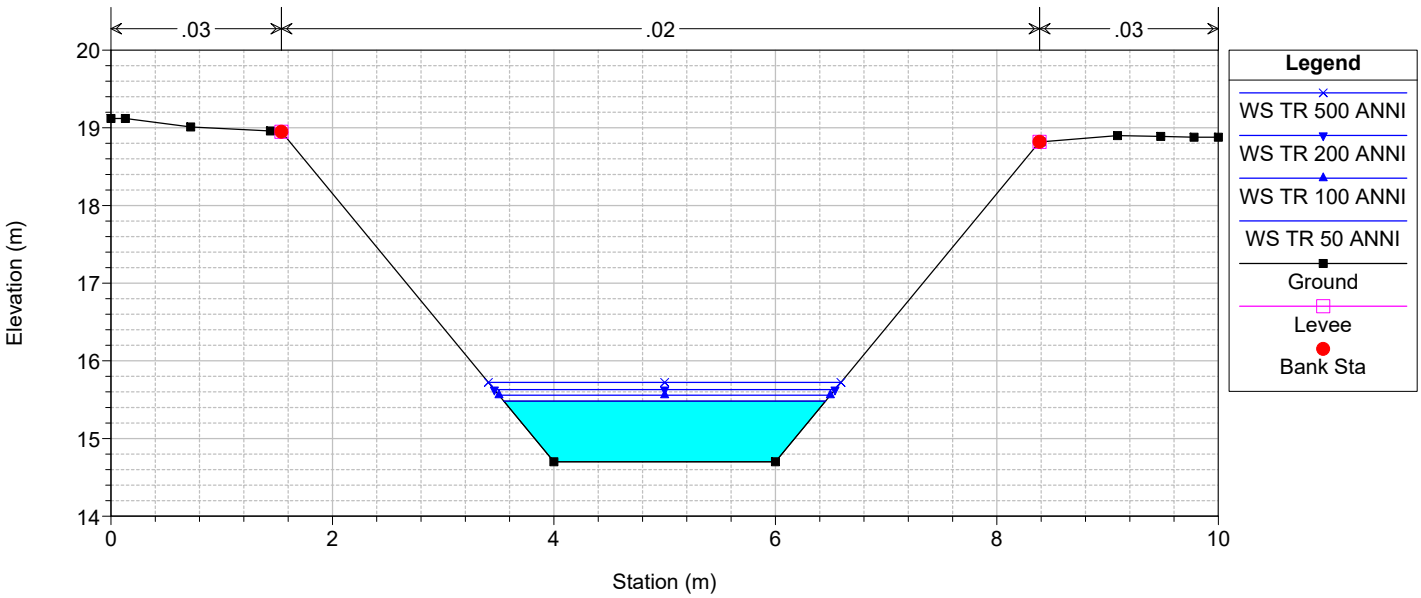
River = Liccia Reach = Liccia RS = 472.75 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

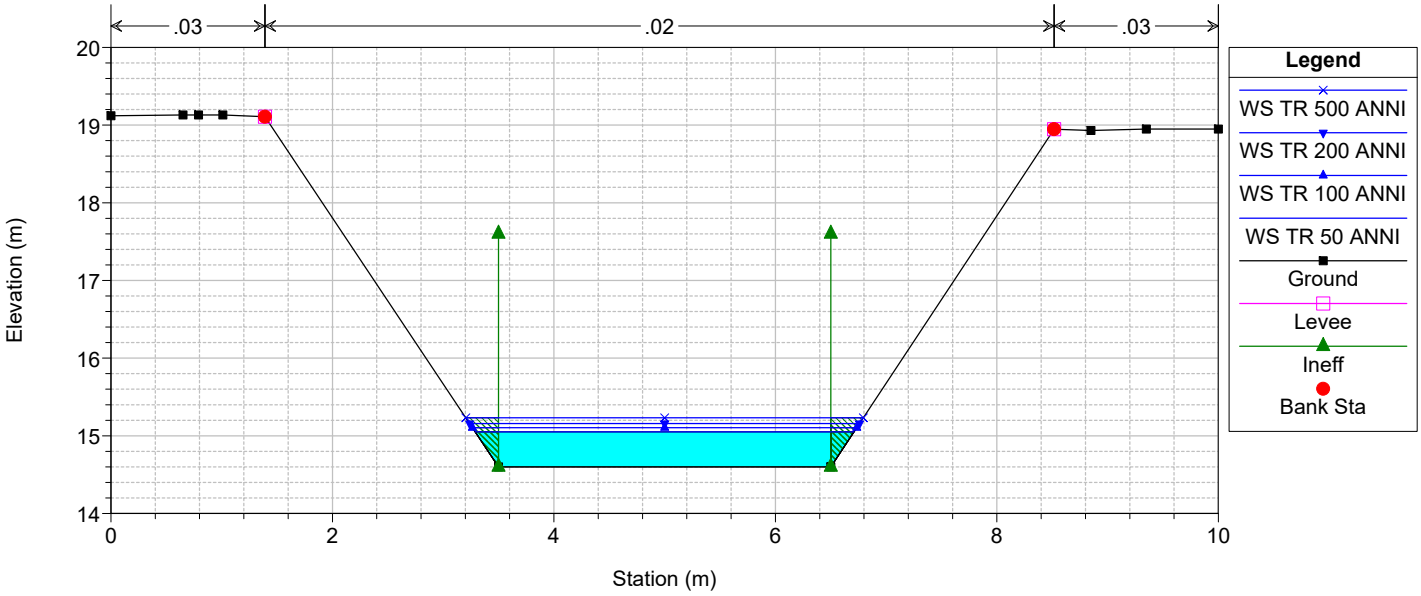
River = Liccia Reach = Liccia RS = 458.87 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

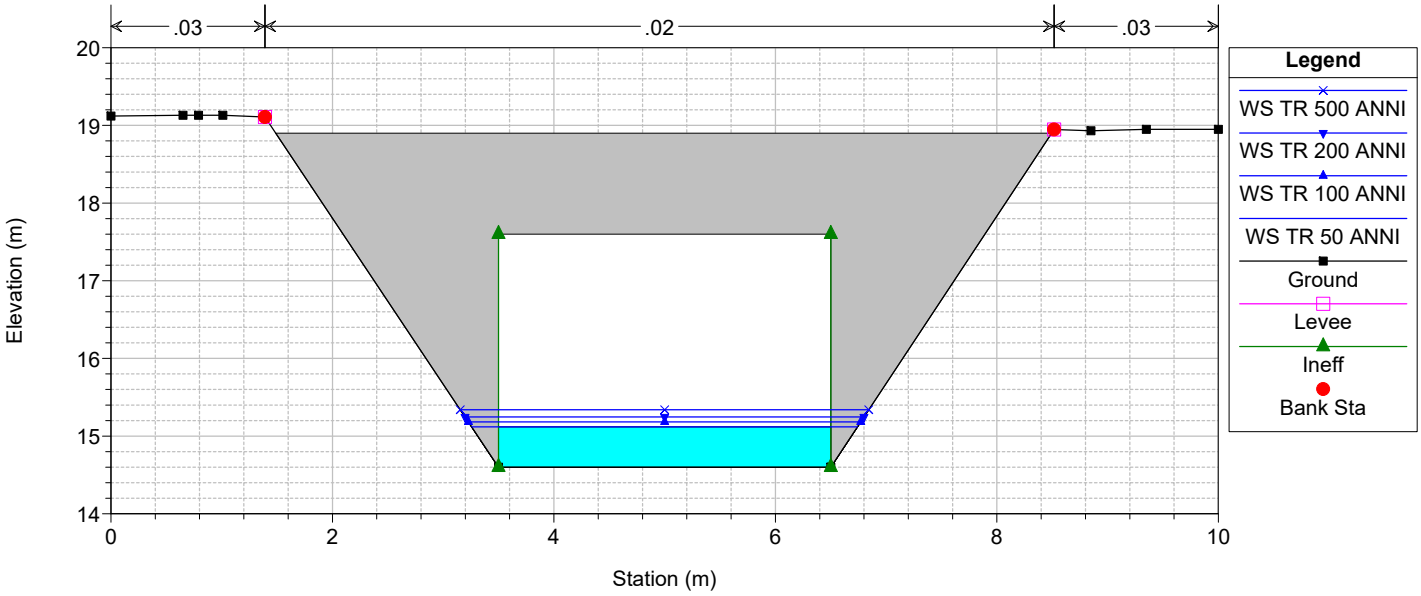
River = Liccia Reach = Liccia RS = 452.58 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

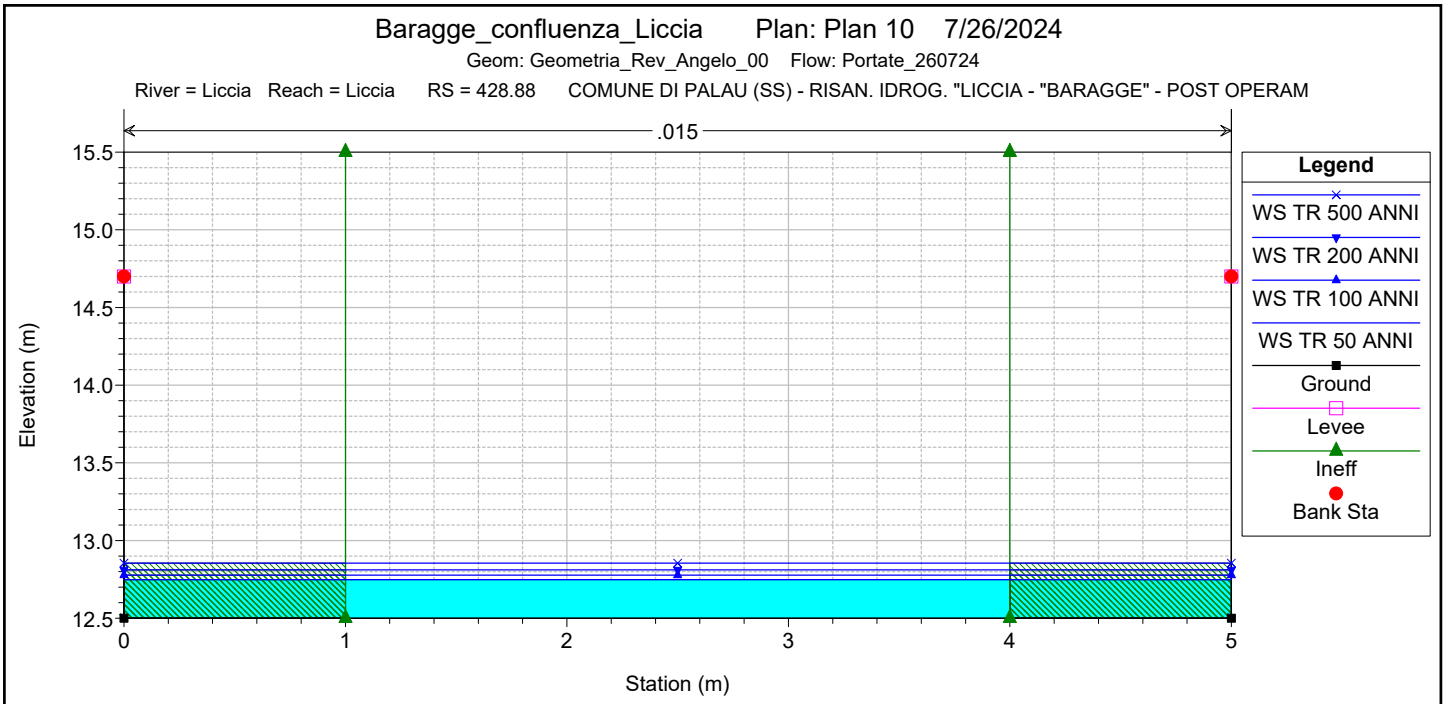


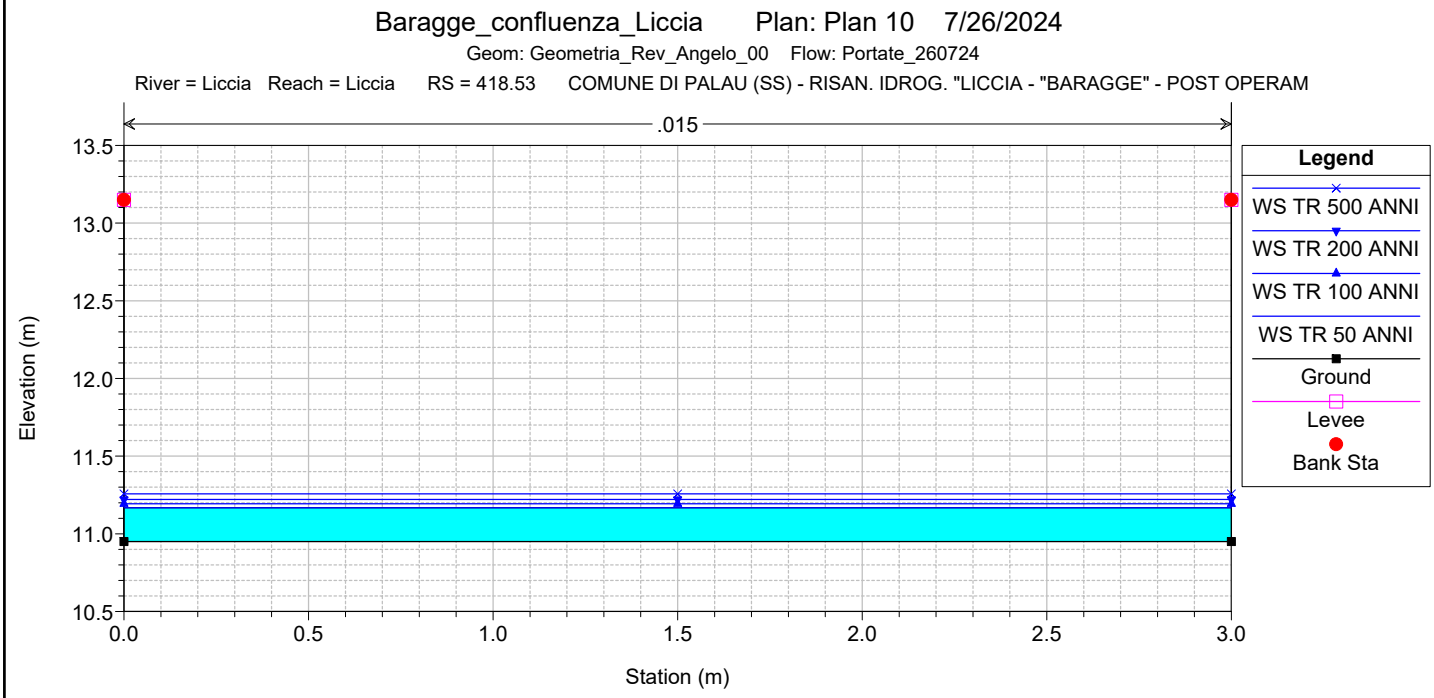
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

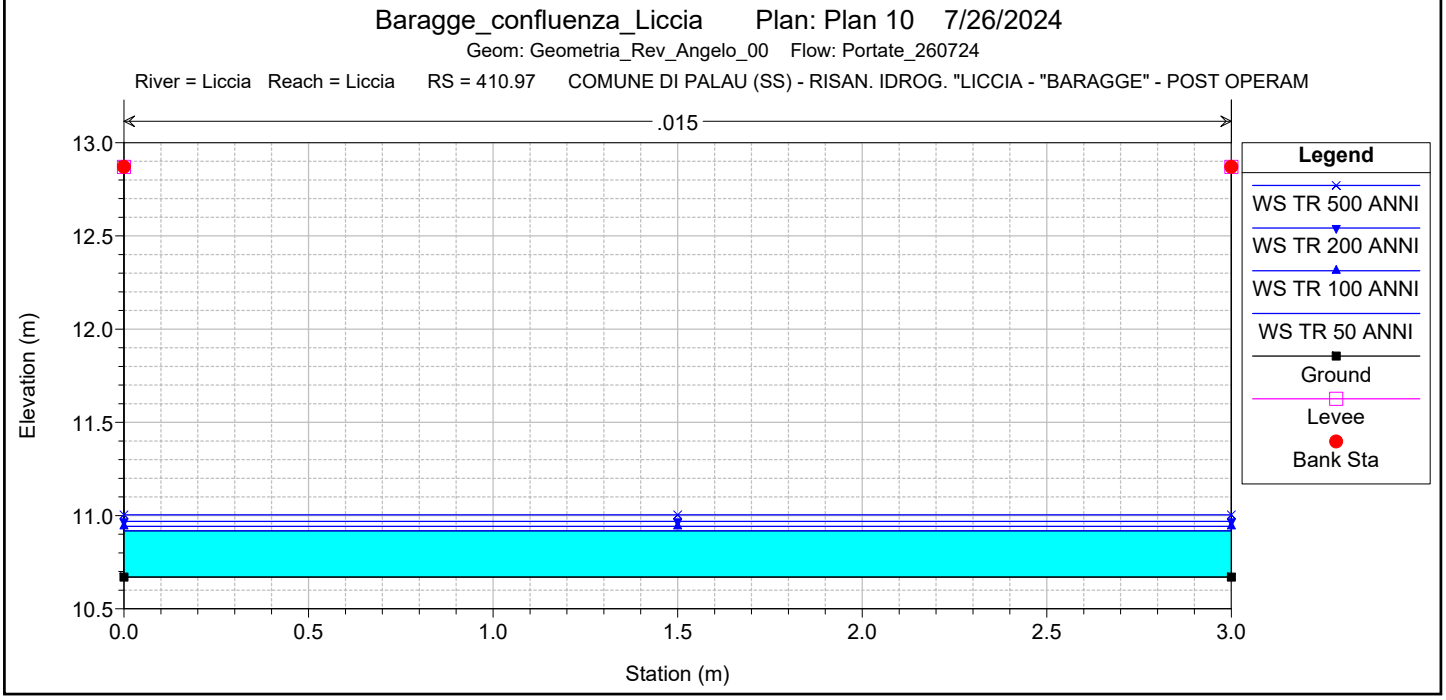
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

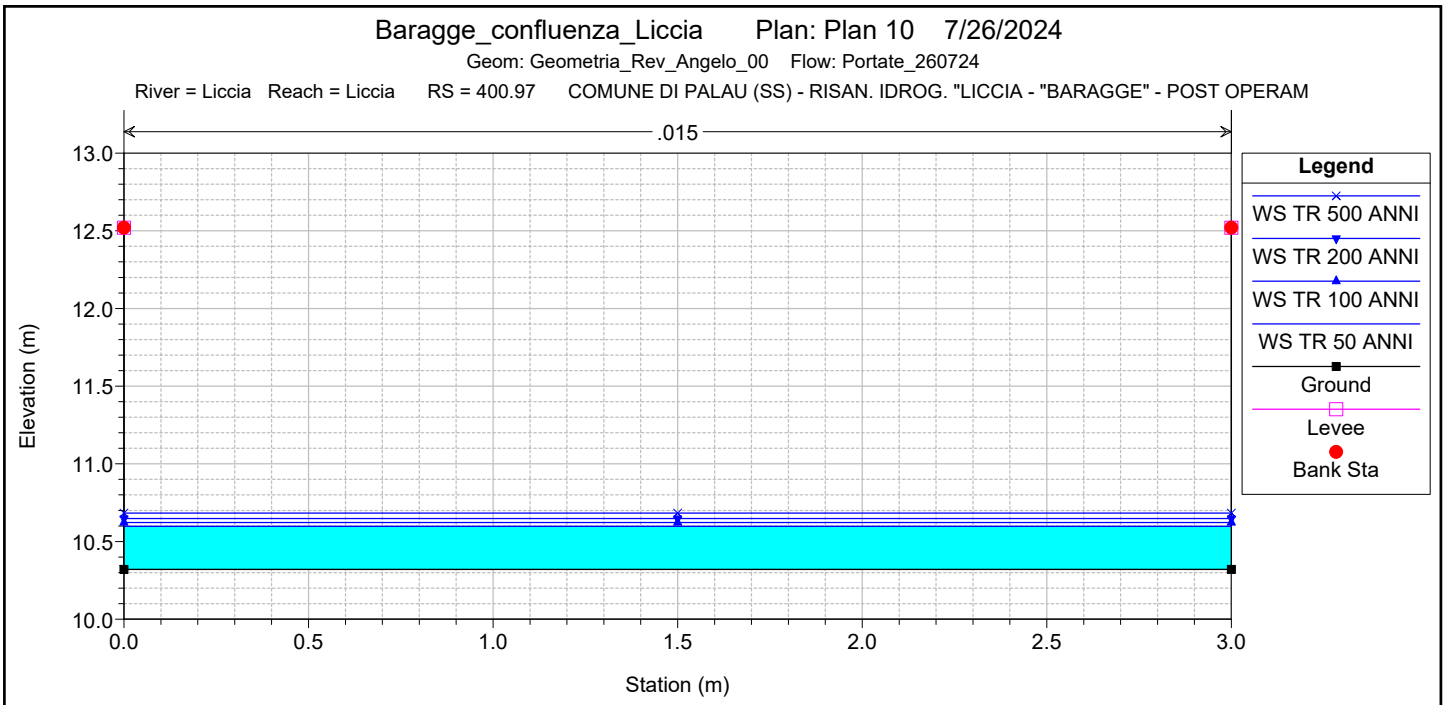
River = Liccia Reach = Liccia RS = 446.2 Culv COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

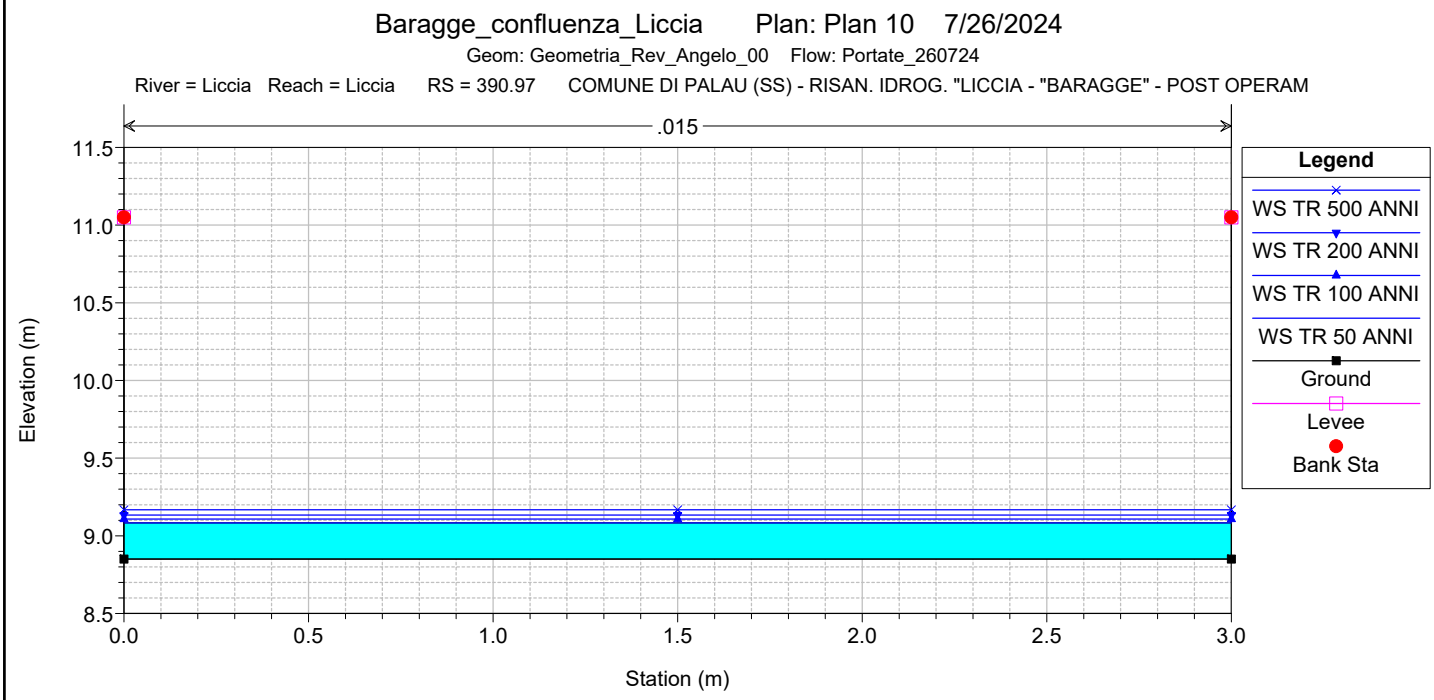


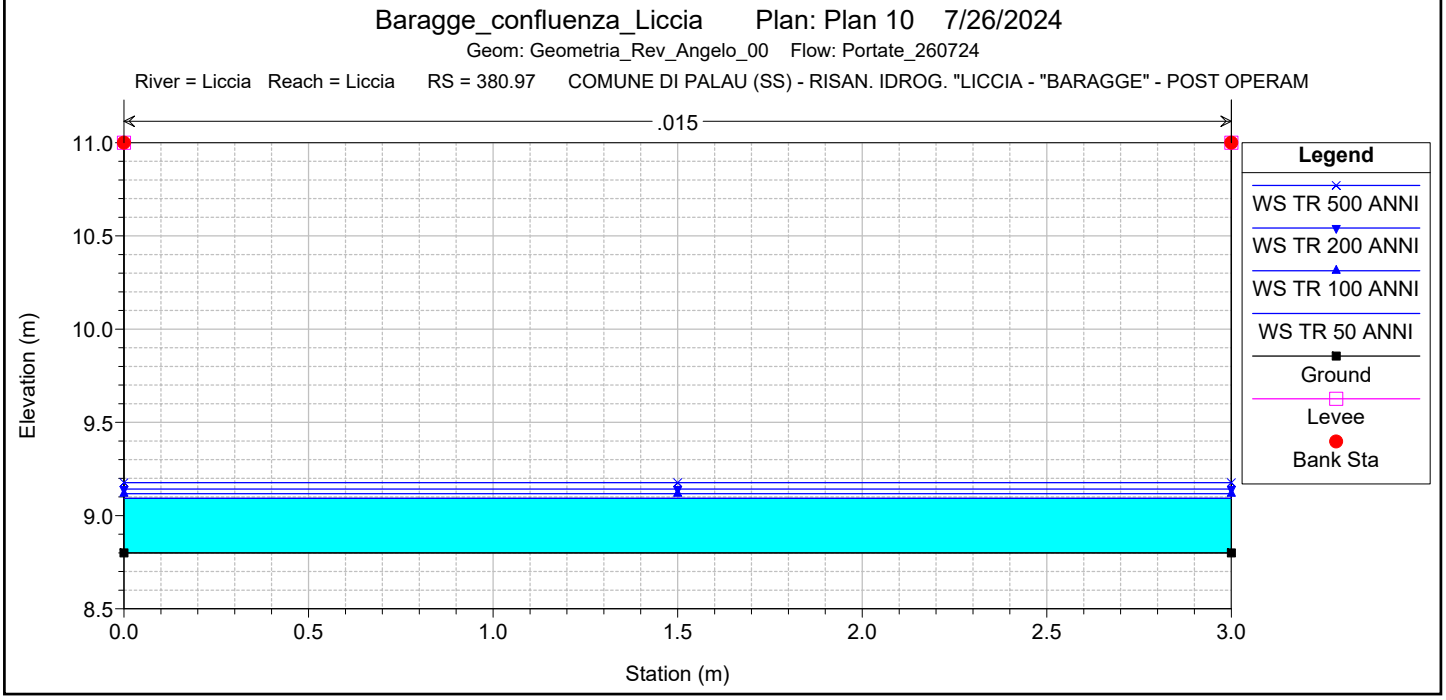

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 428.88 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Ineff
Bank Sta

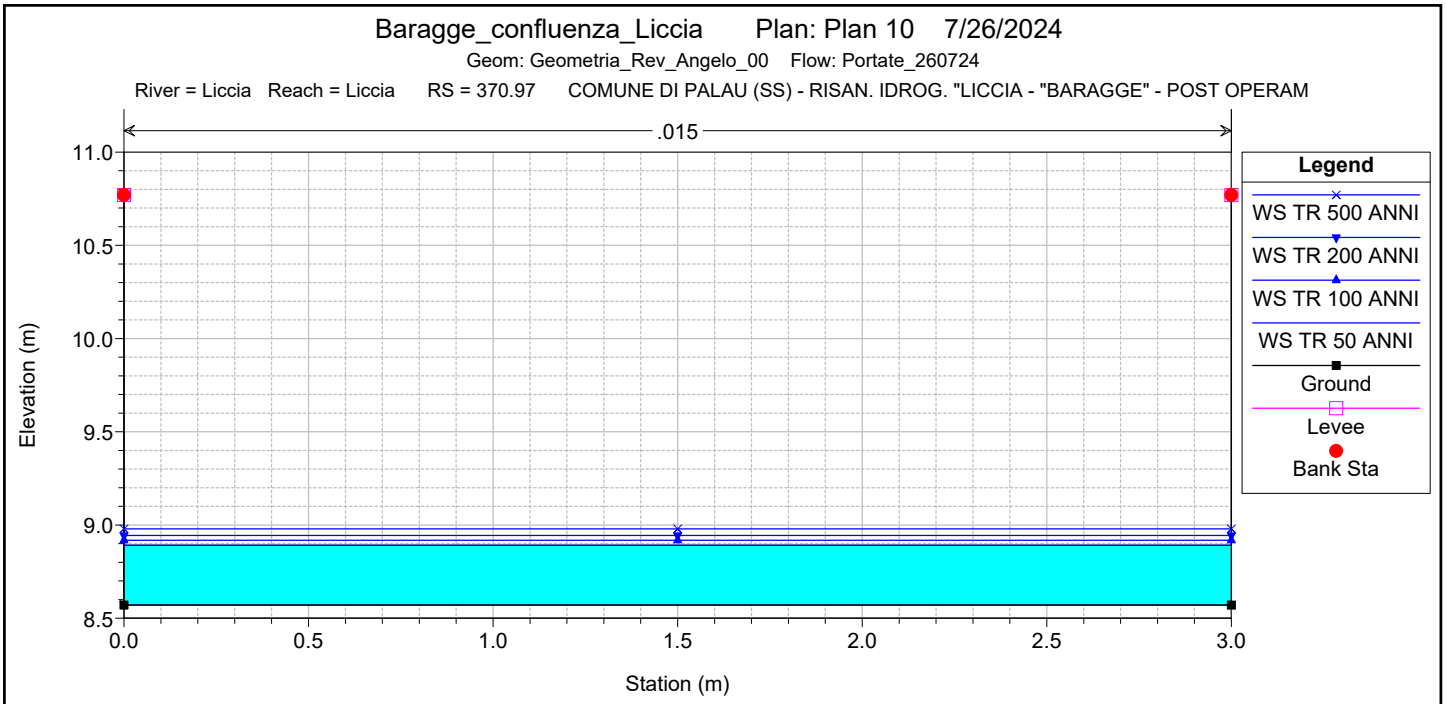

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 418.53 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

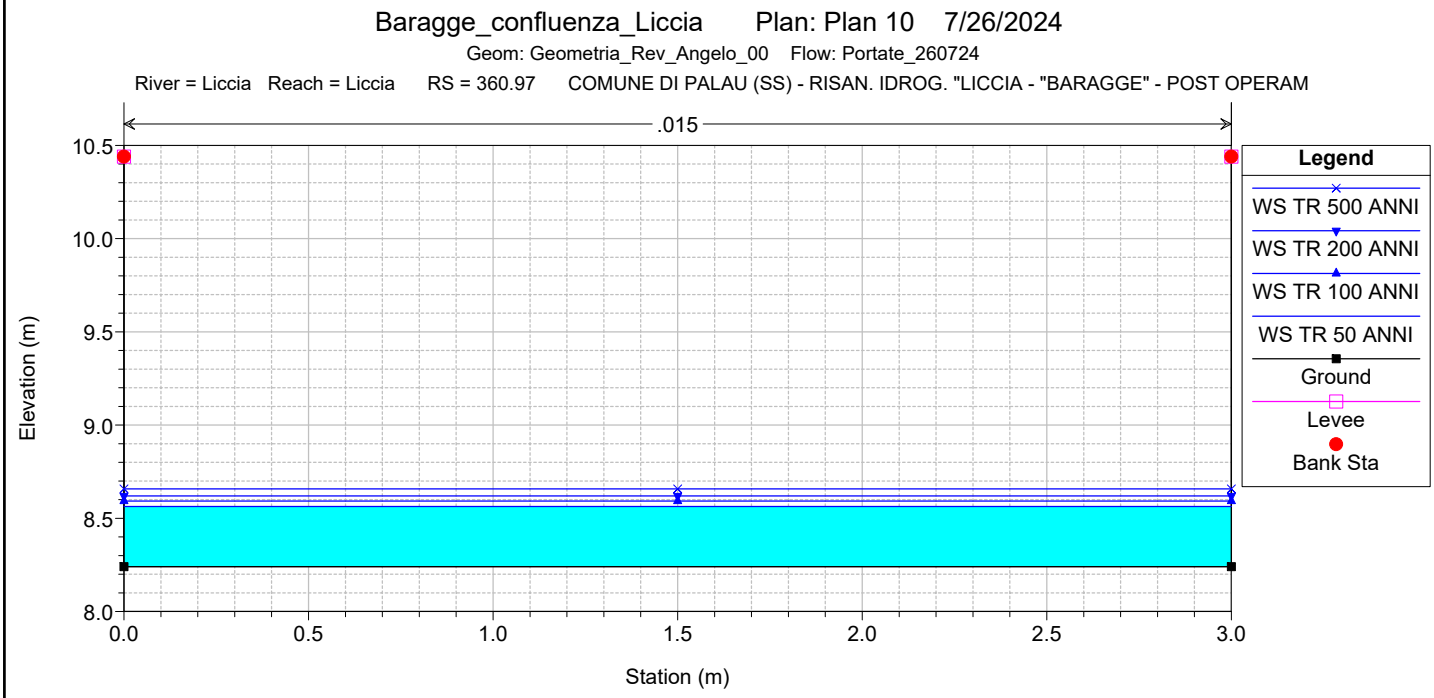

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 410.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

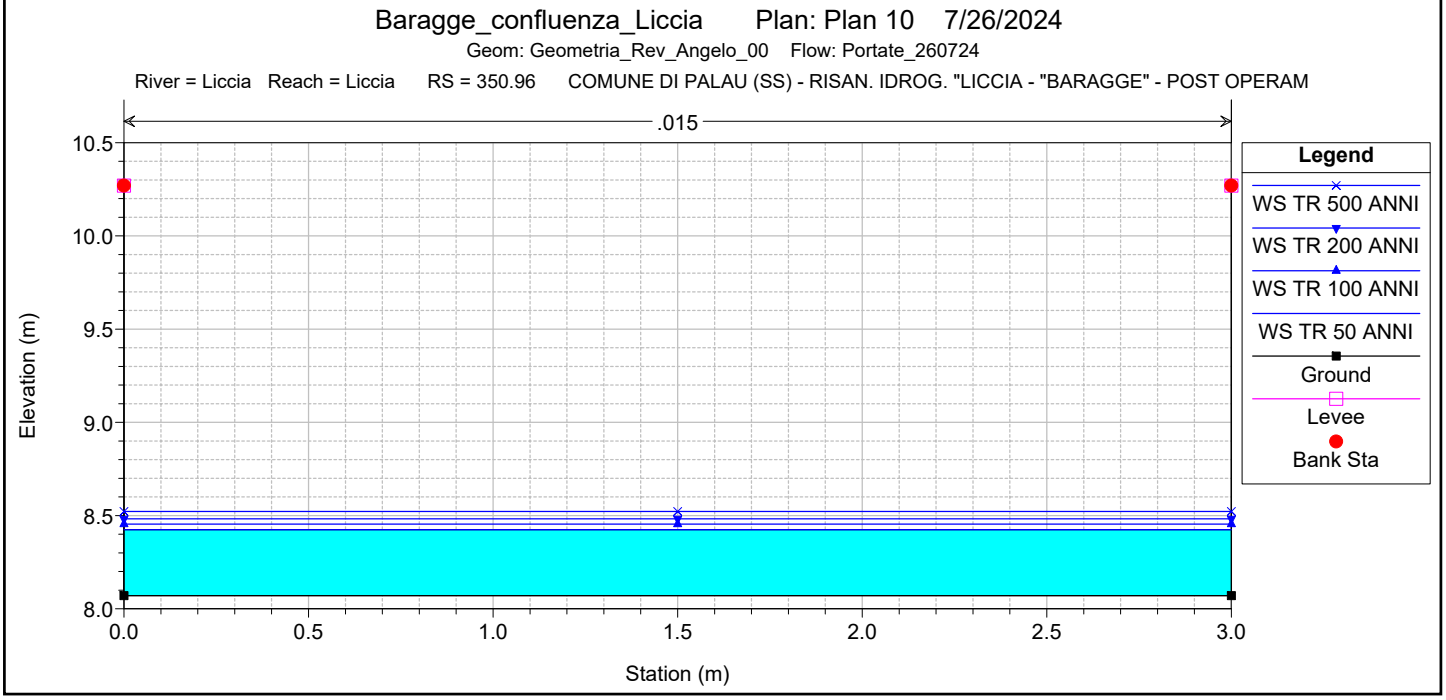

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 400.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 390.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 380.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 370.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

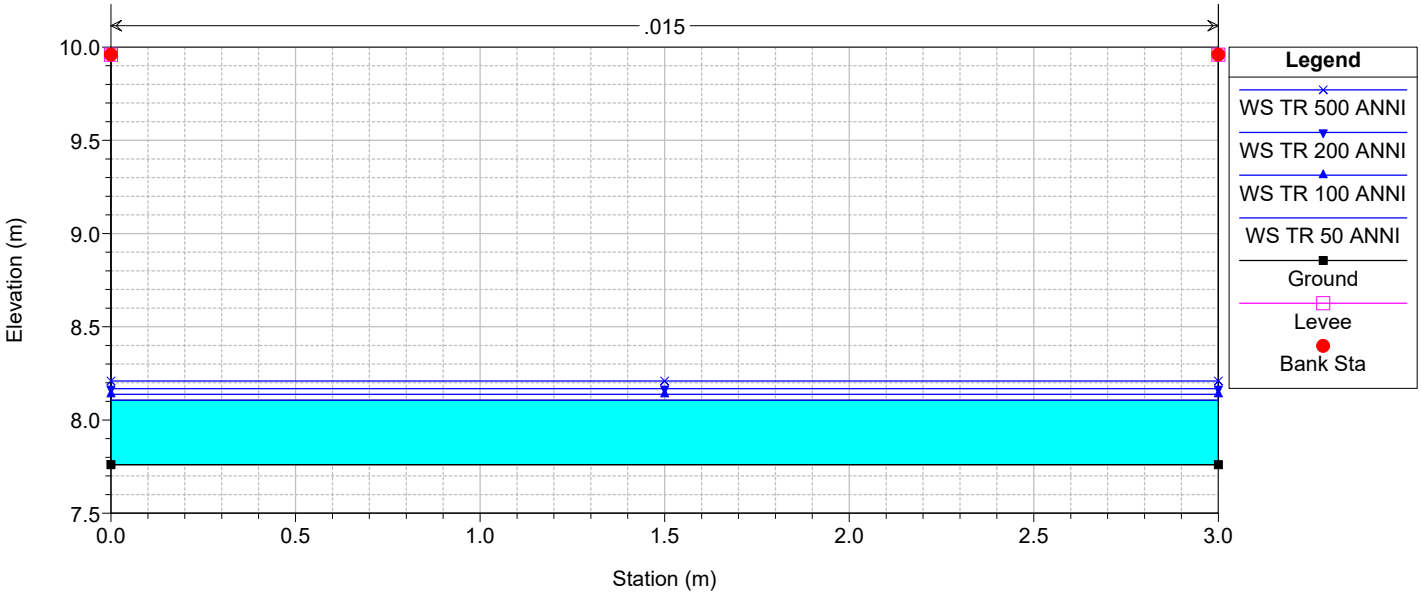

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 360.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 350.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

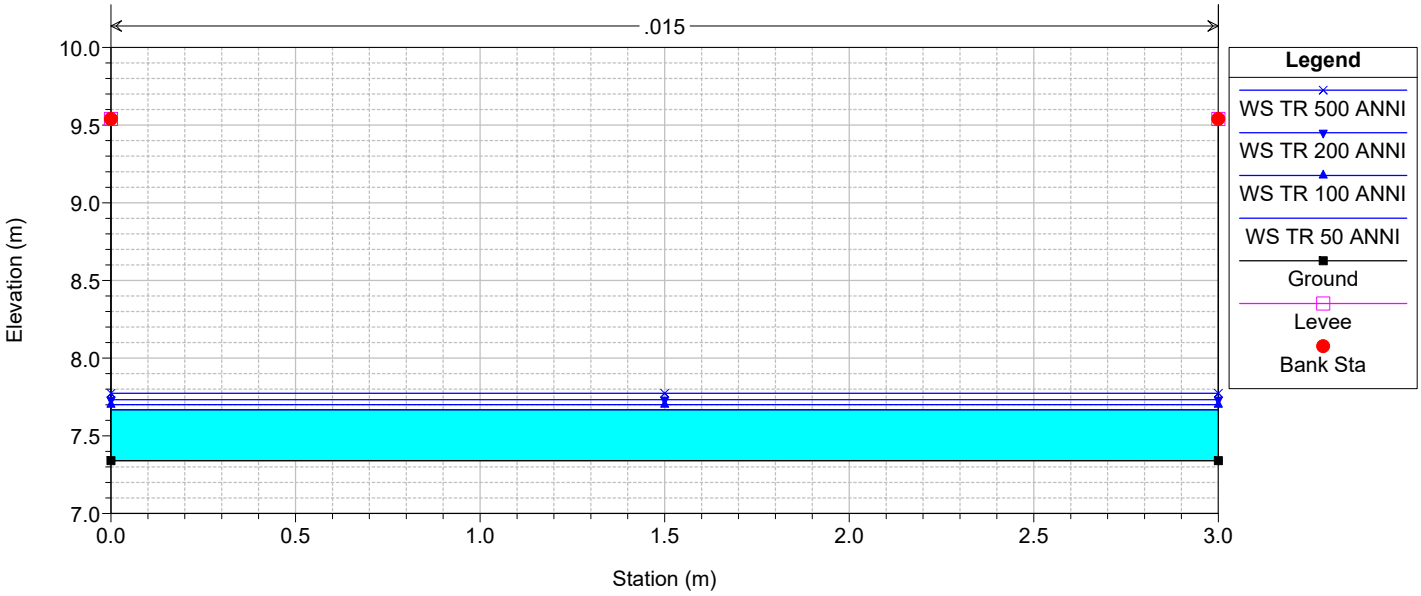
River = Liccia Reach = Liccia RS = 340.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

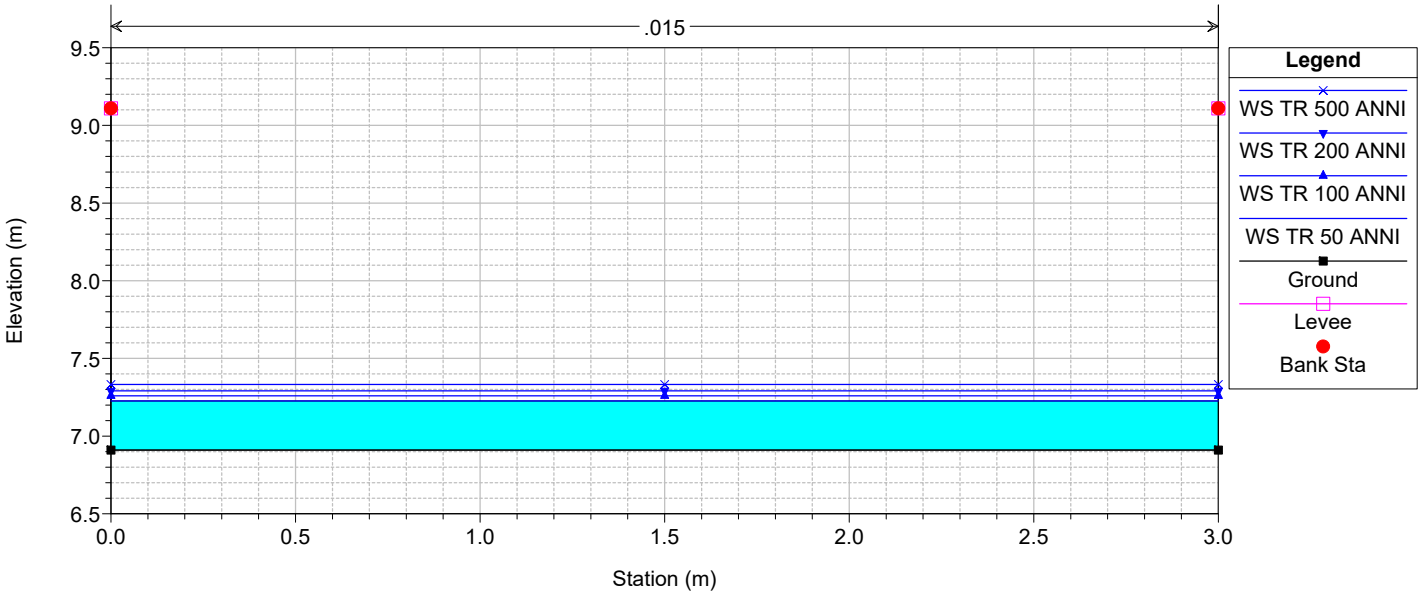
River = Liccia Reach = Liccia RS = 330.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

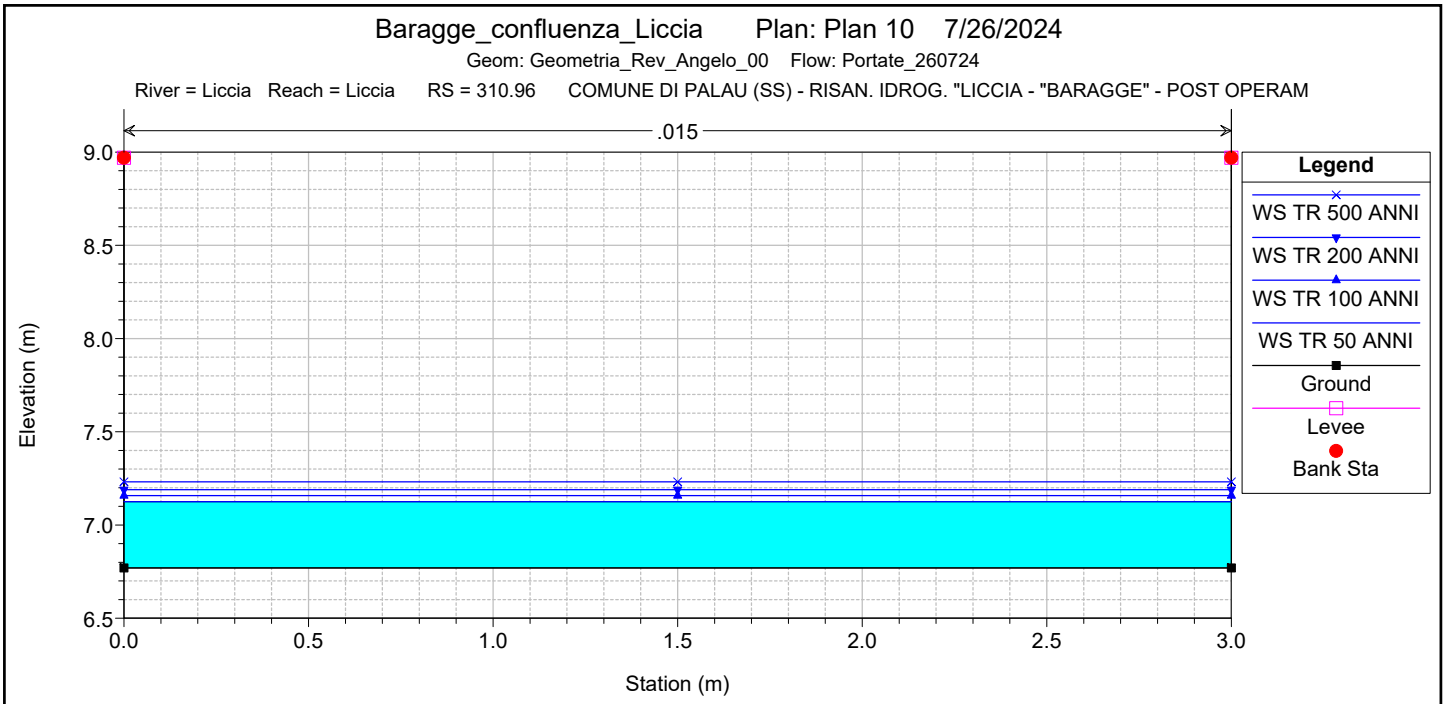


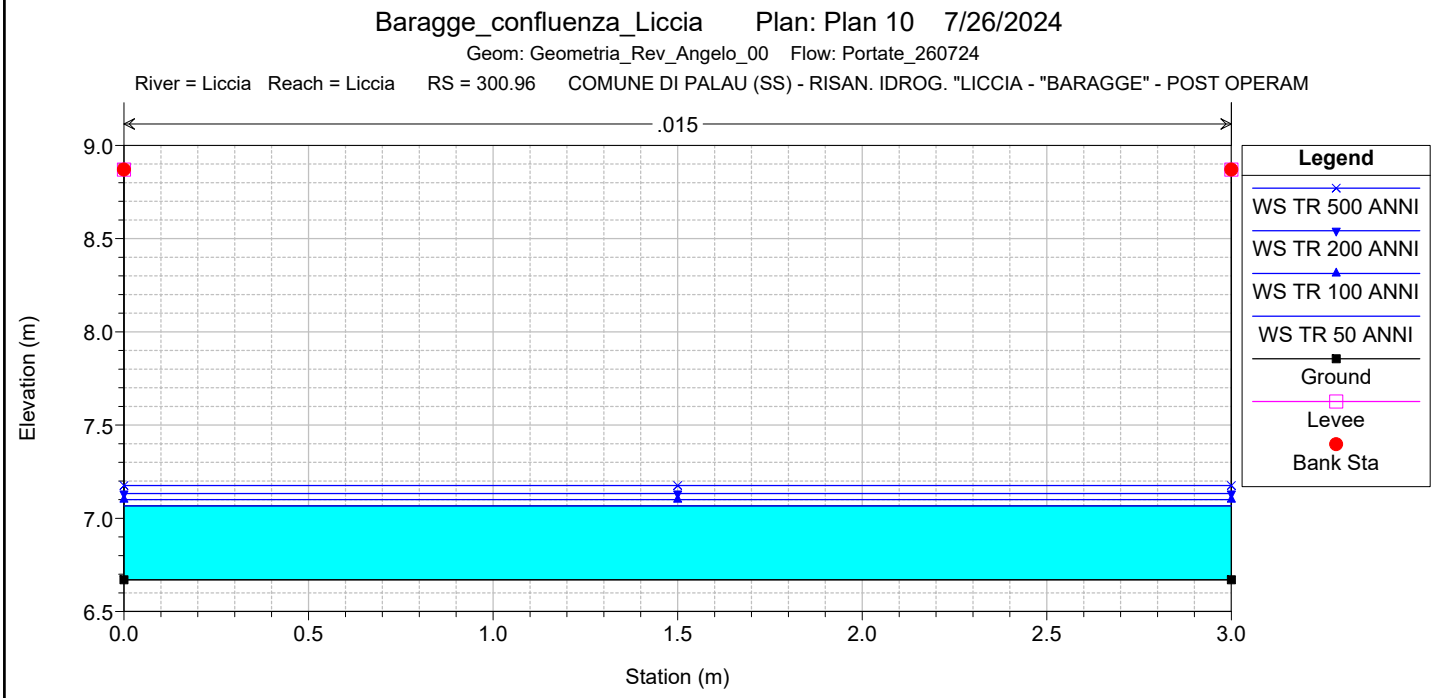
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

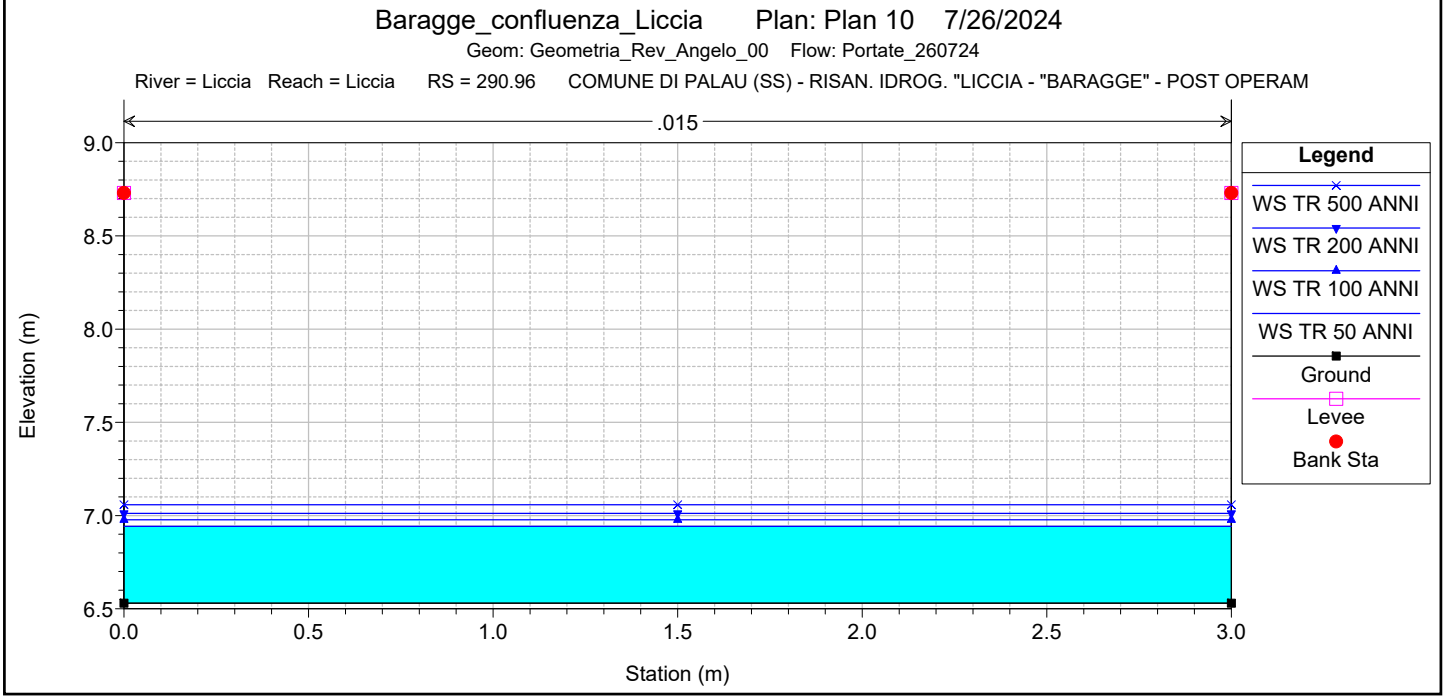
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

River = Liccia Reach = Liccia RS = 320.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM




Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 310.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

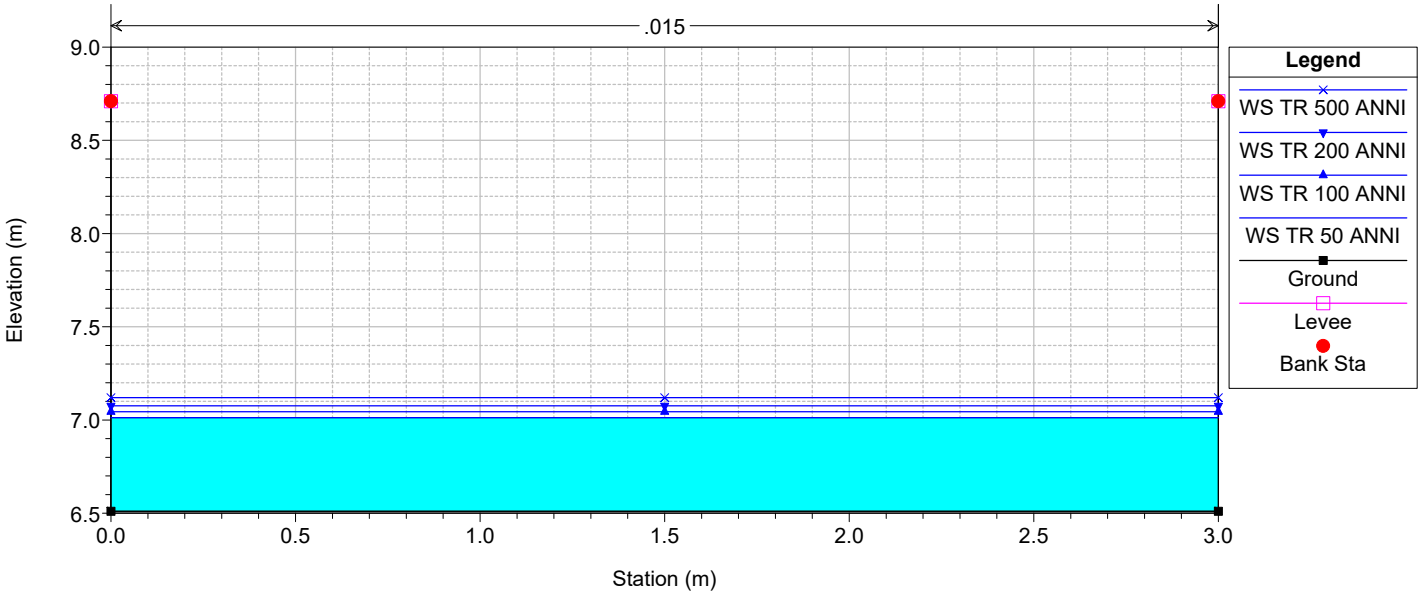

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 300.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Liccia Reach = Liccia RS = 290.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

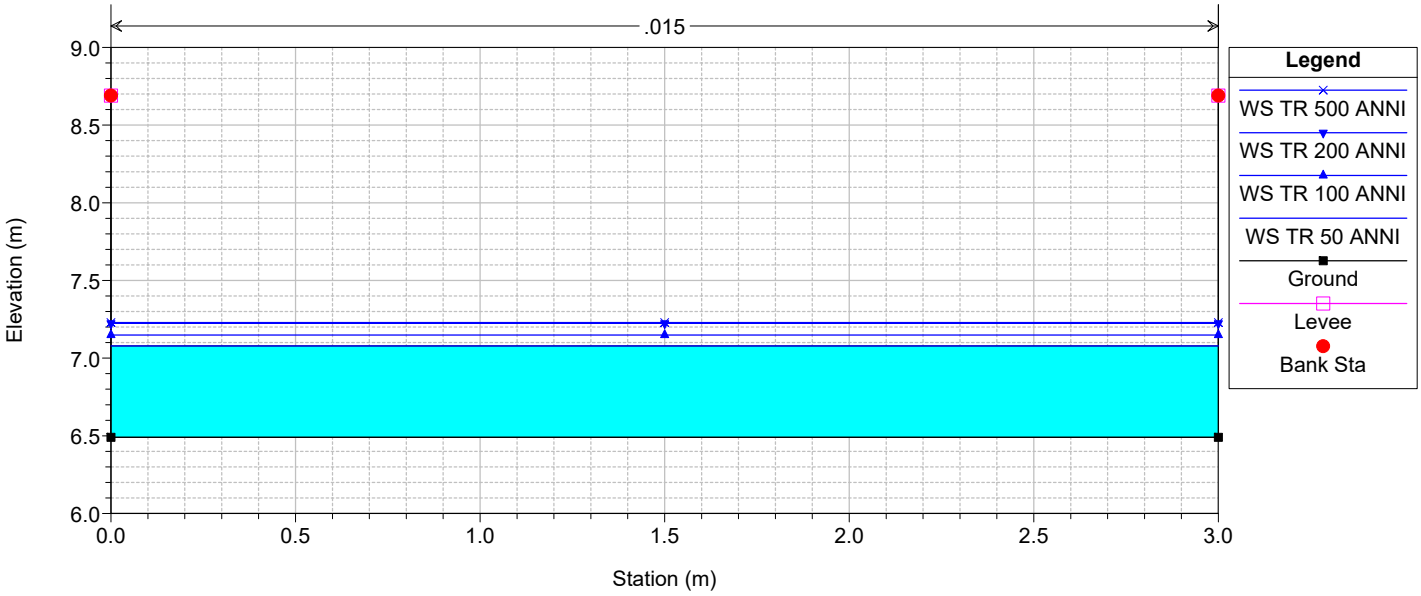
River = Liccia Reach = Liccia RS = 280.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

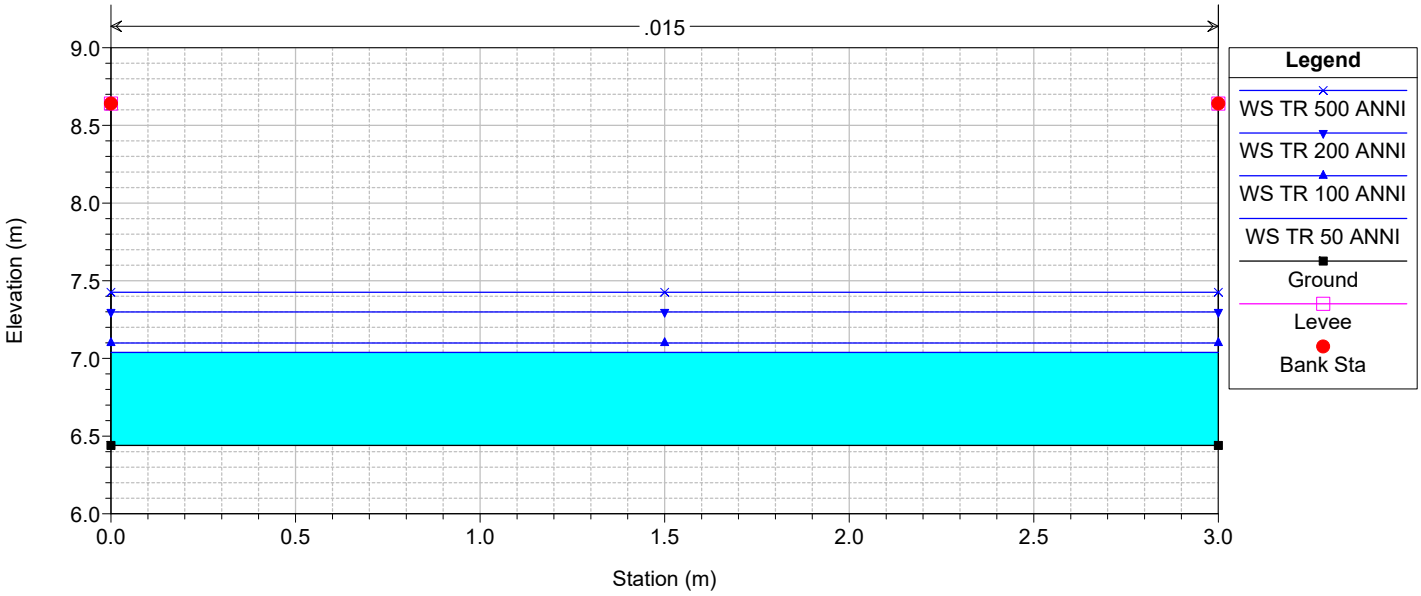
River = Liccia Reach = Liccia RS = 270.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

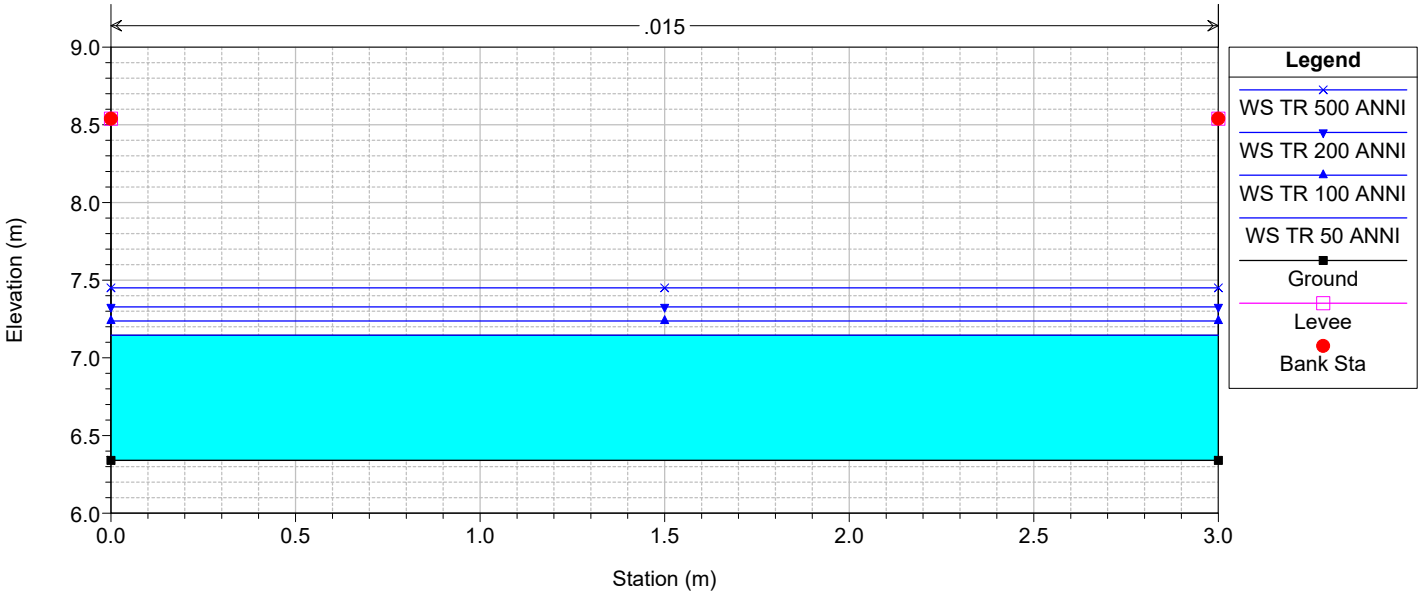
River = Liccia Reach = Liccia RS = 260.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

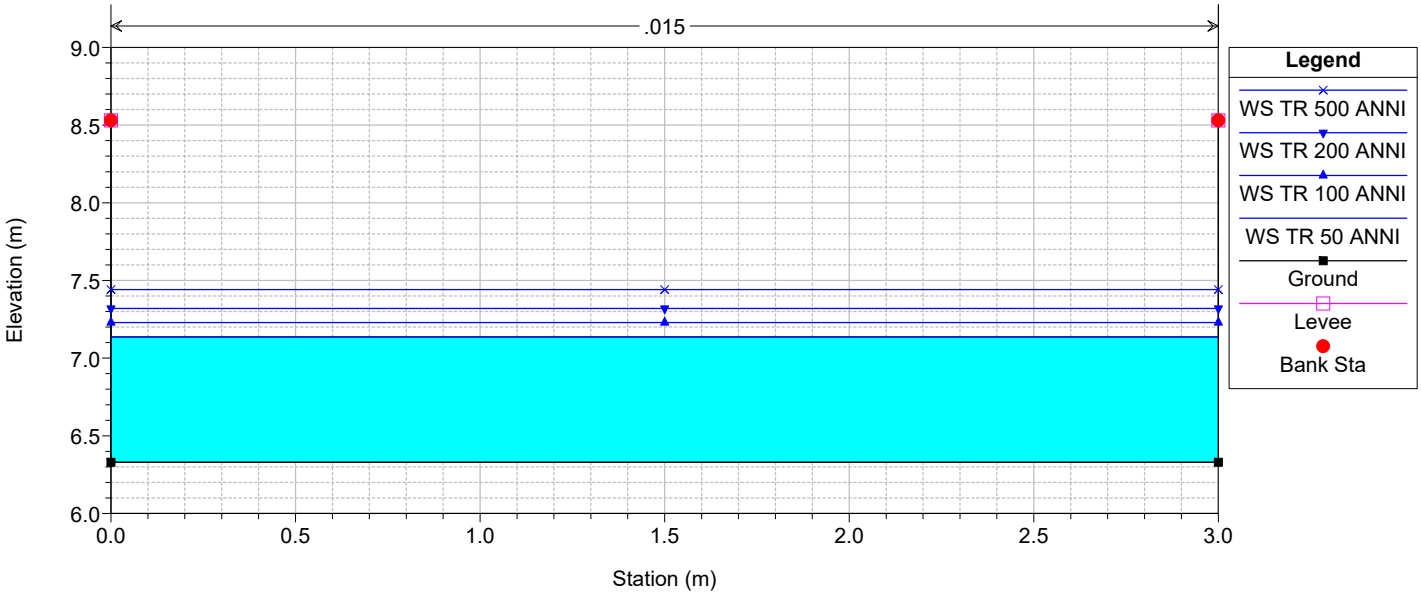
River = Liccia Reach = Liccia RS = 250.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

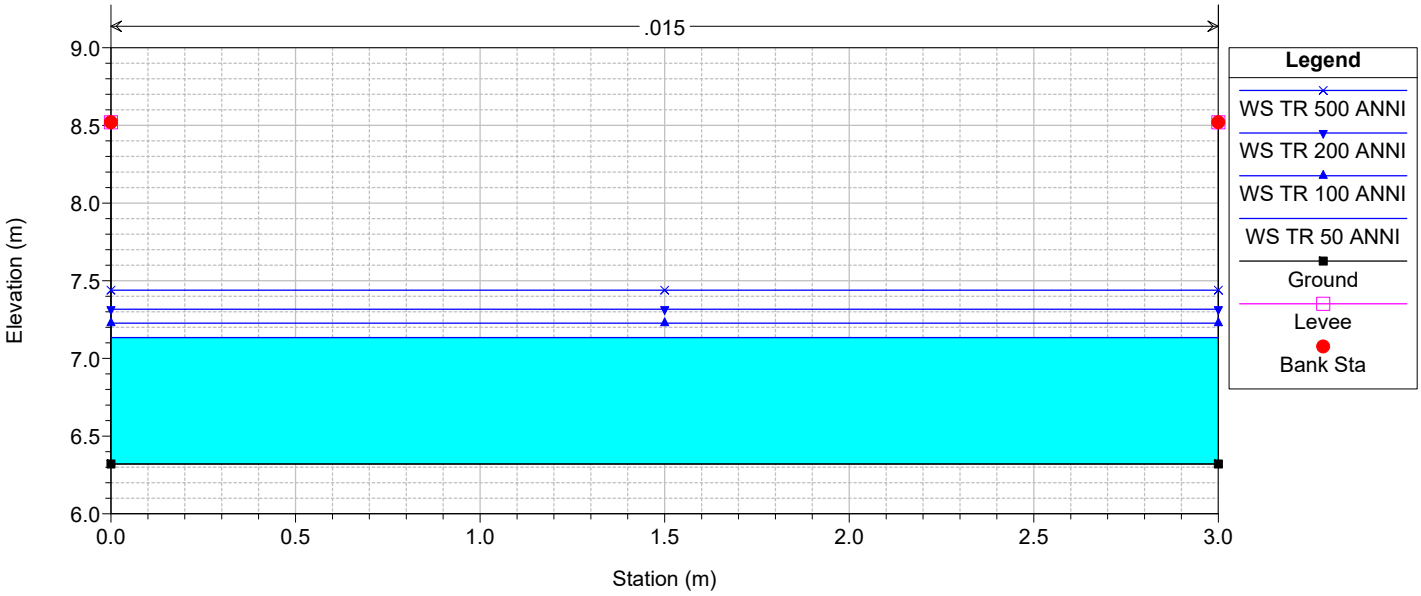
River = Liccia Reach = Liccia RS = 246.86 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

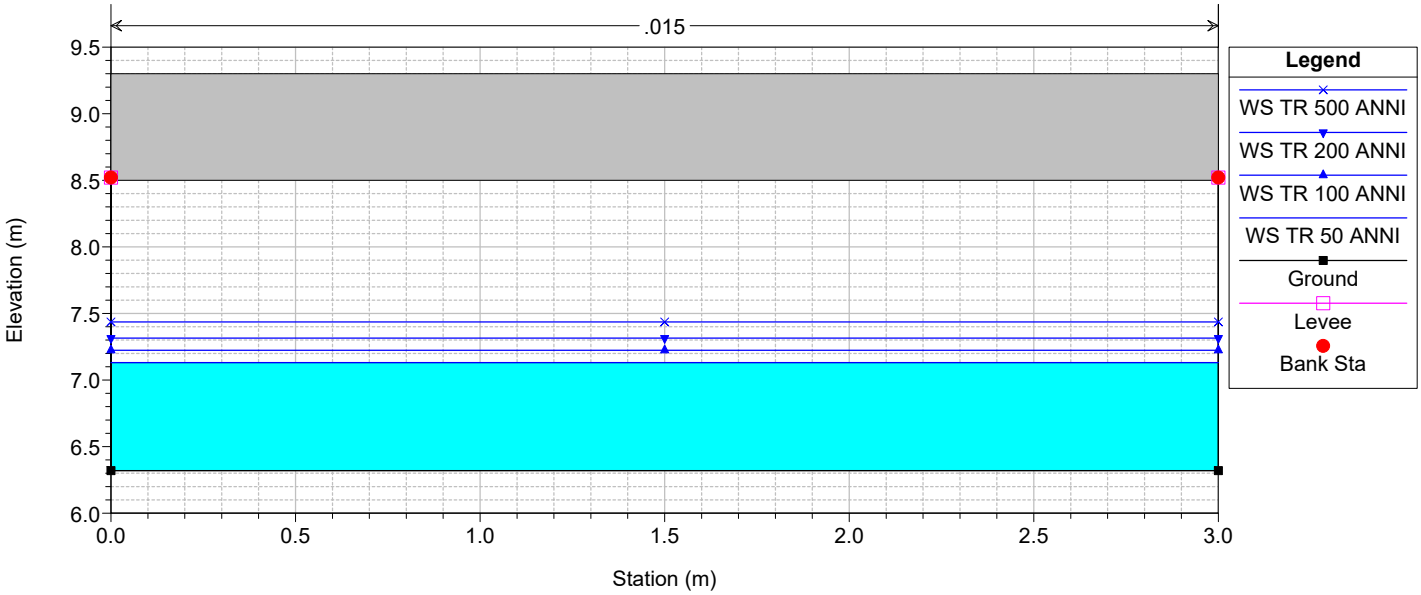
River = Liccia Reach = Liccia RS = 244.8 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

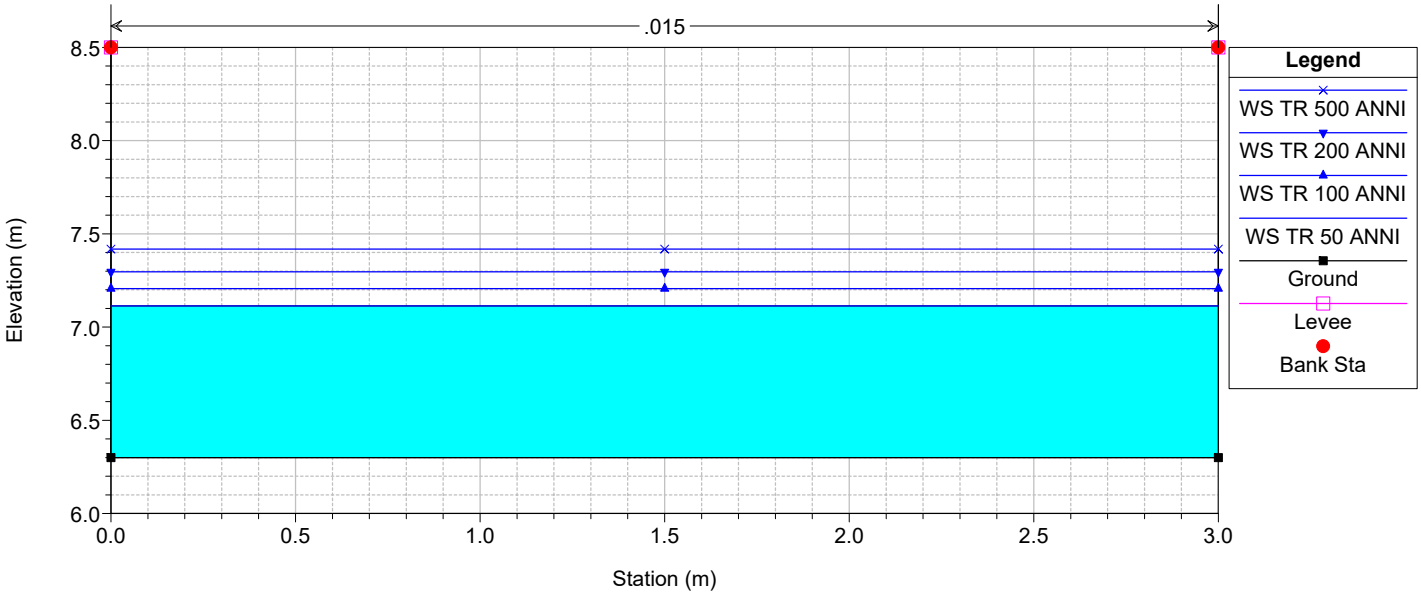
River = Liccia Reach = Liccia RS = 243.6 BR Parcheggio COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

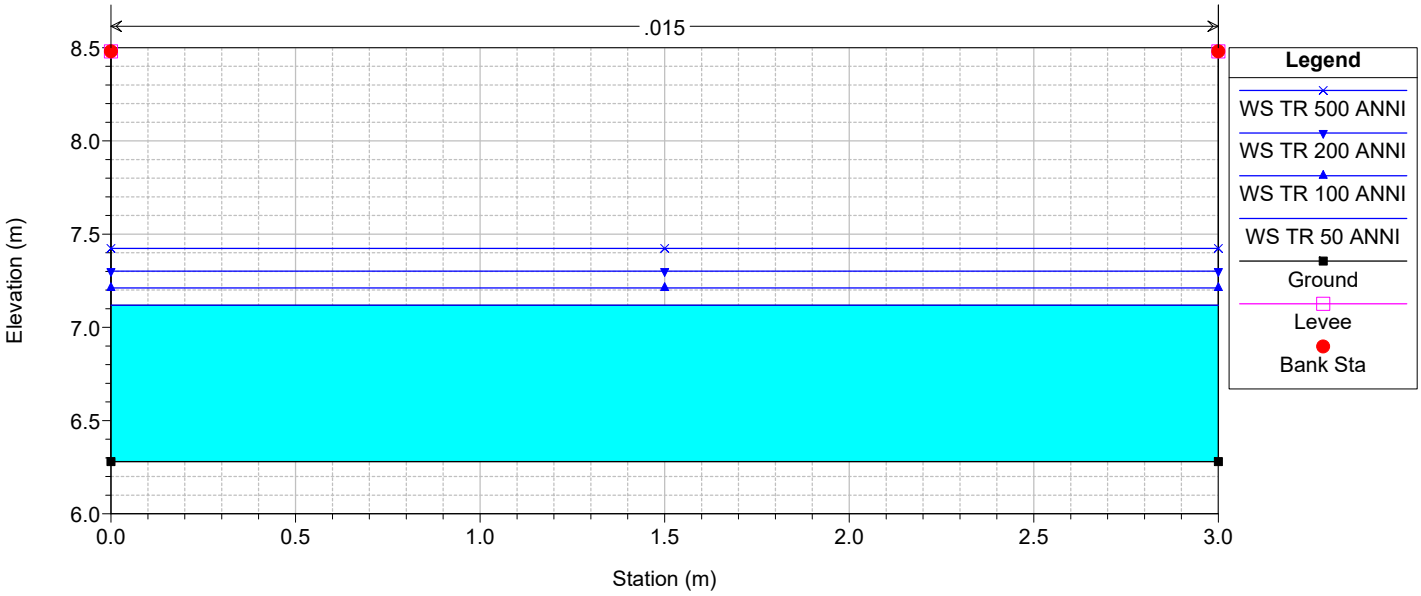
River = Liccia Reach = Liccia RS = 235.29 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

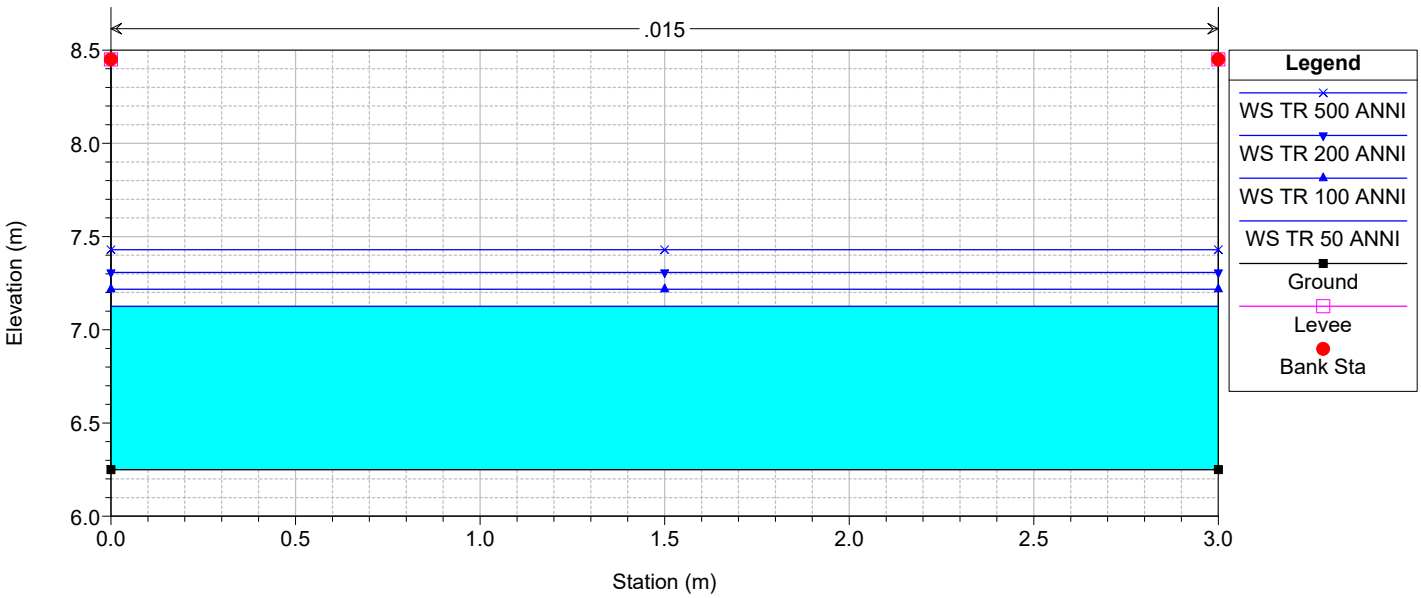
River = Liccia Reach = Liccia RS = 233.93 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

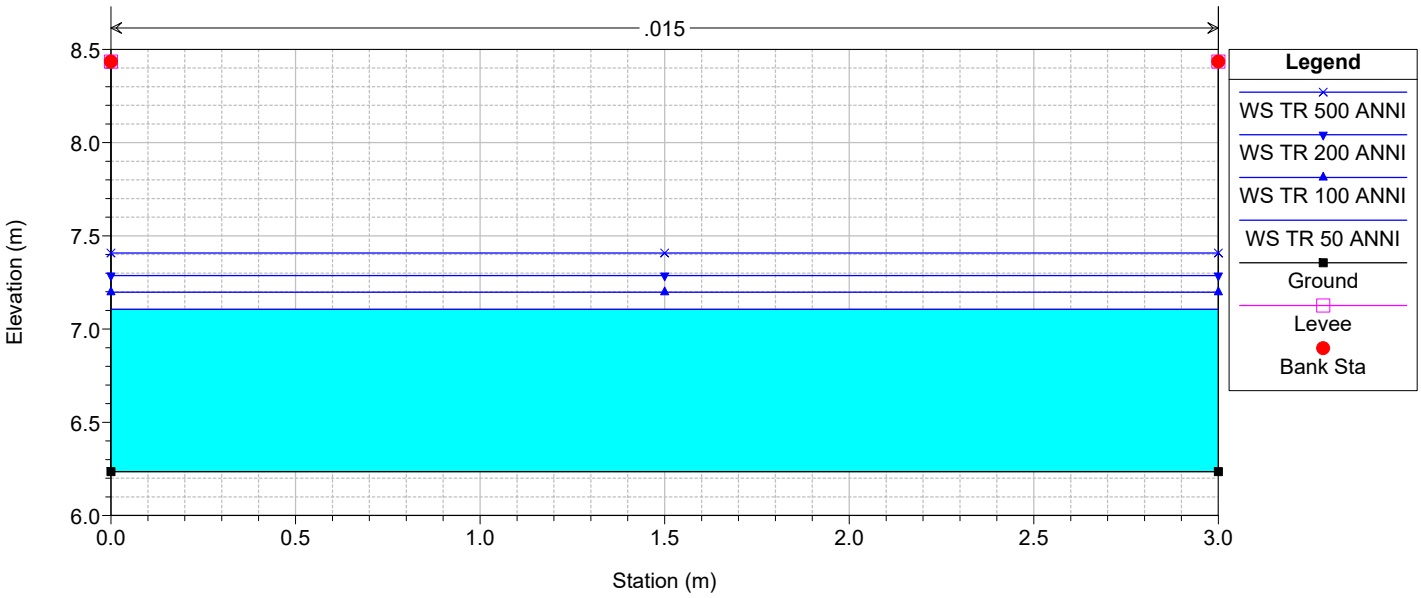
River = Liccia Reach = Liccia RS = 231.47 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

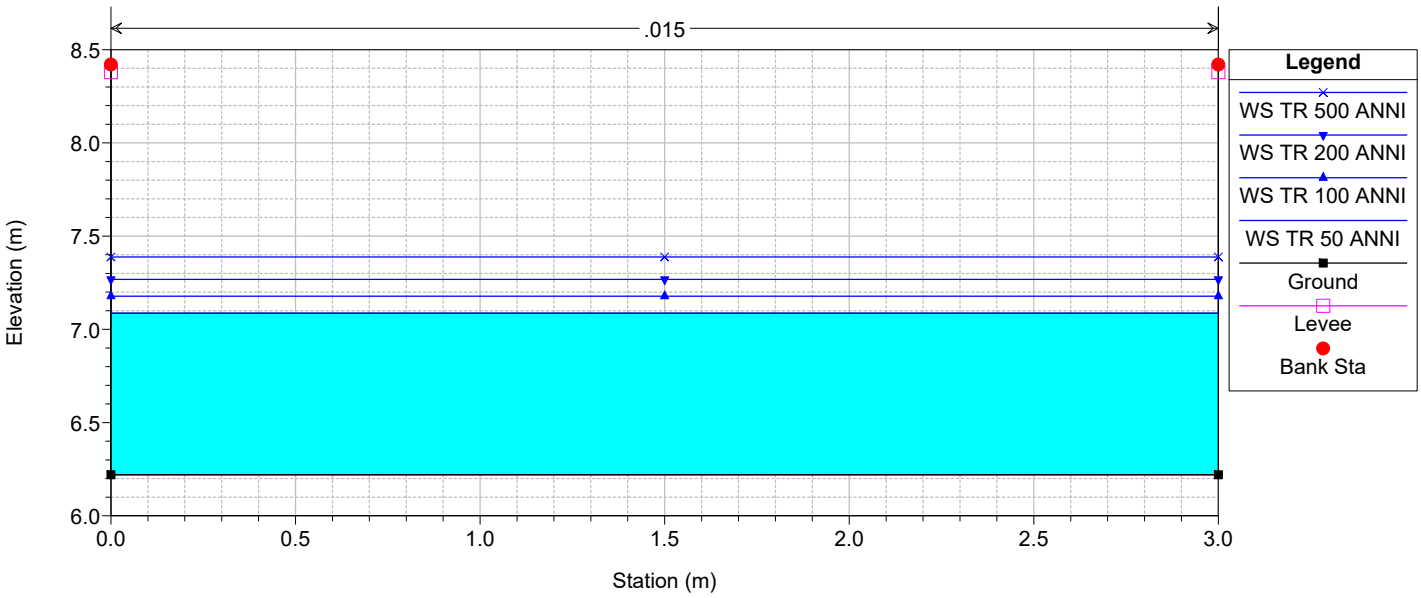
River = Liccia Reach = Liccia RS = 220.99 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

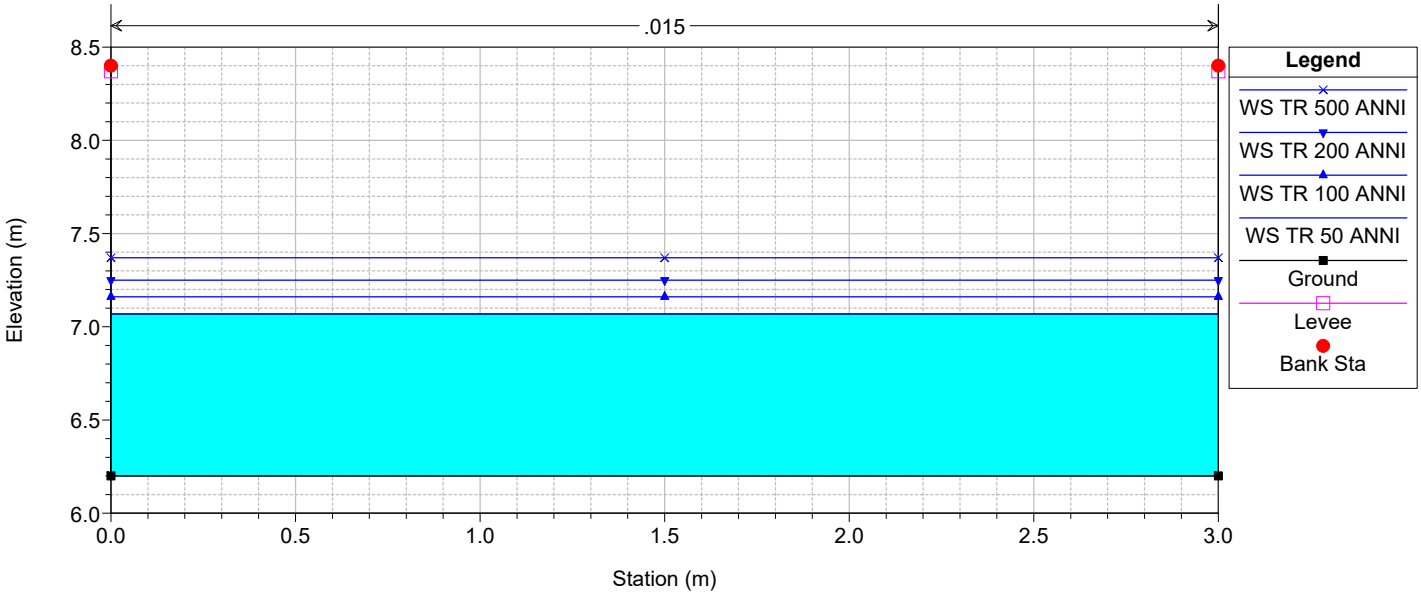
River = Liccia Reach = Liccia RS = 211.01 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

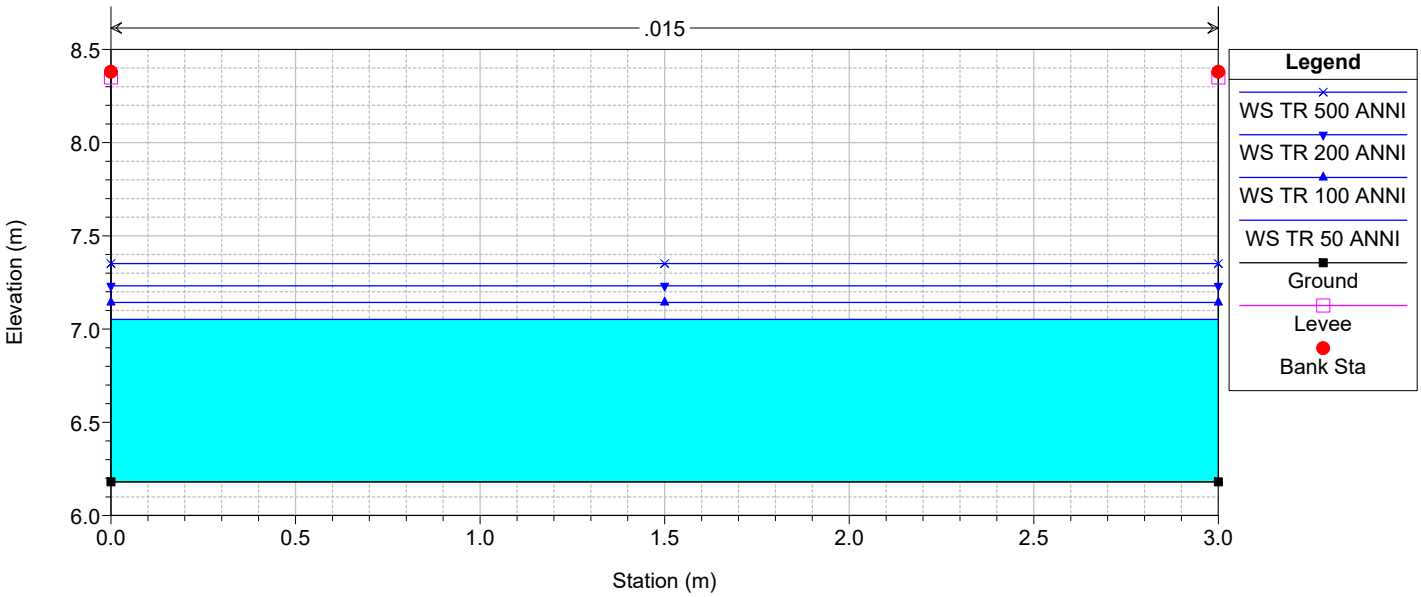
River = Liccia Reach = Liccia RS = 201.16 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

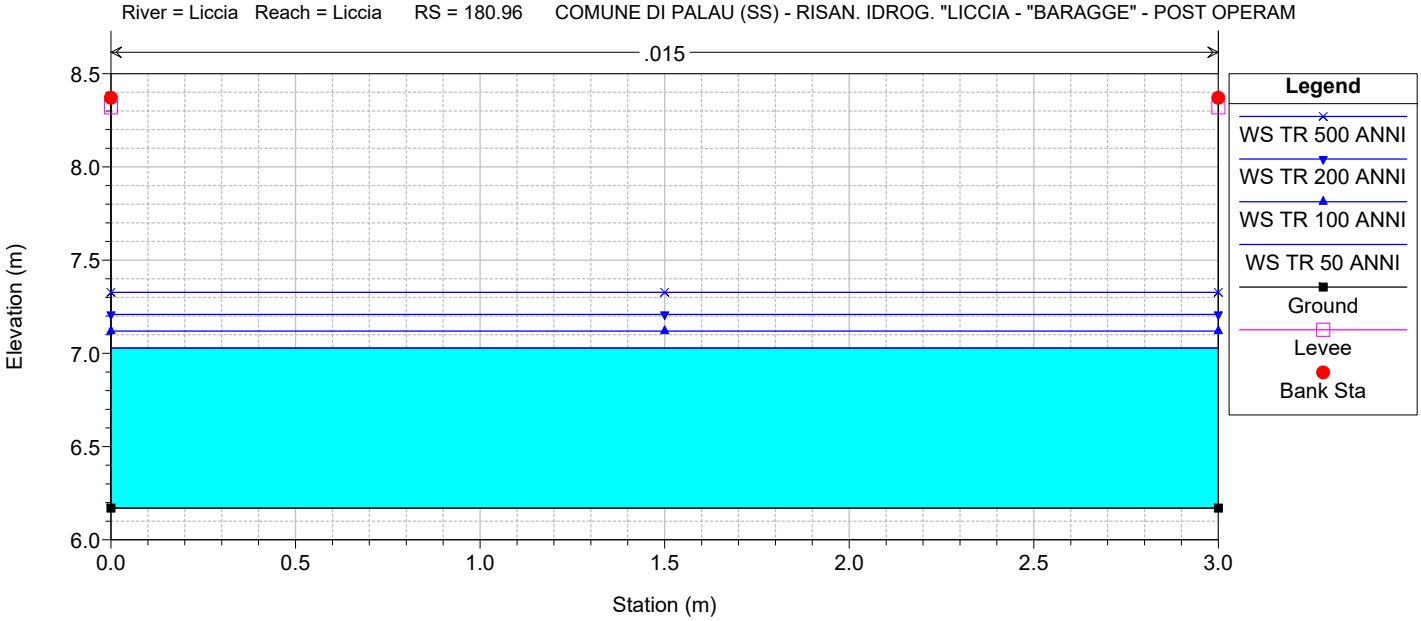
River = Liccia Reach = Liccia RS = 190.99 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

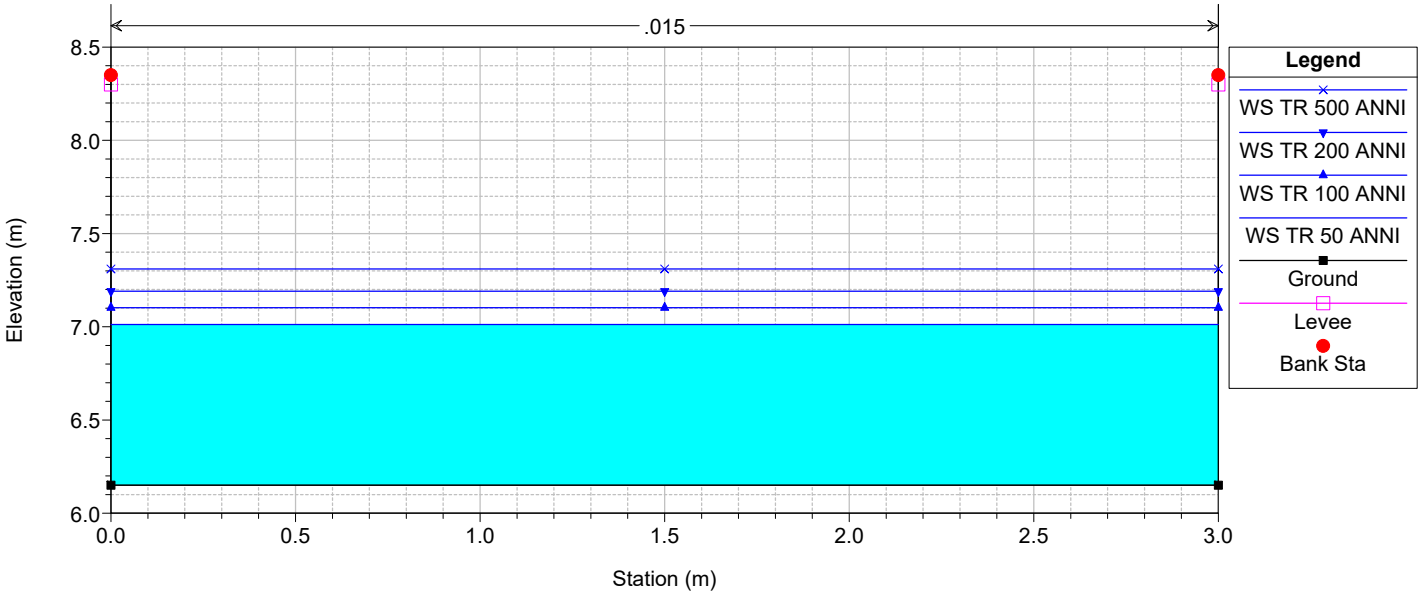
River = Liccia Reach = Liccia RS = 180.96 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

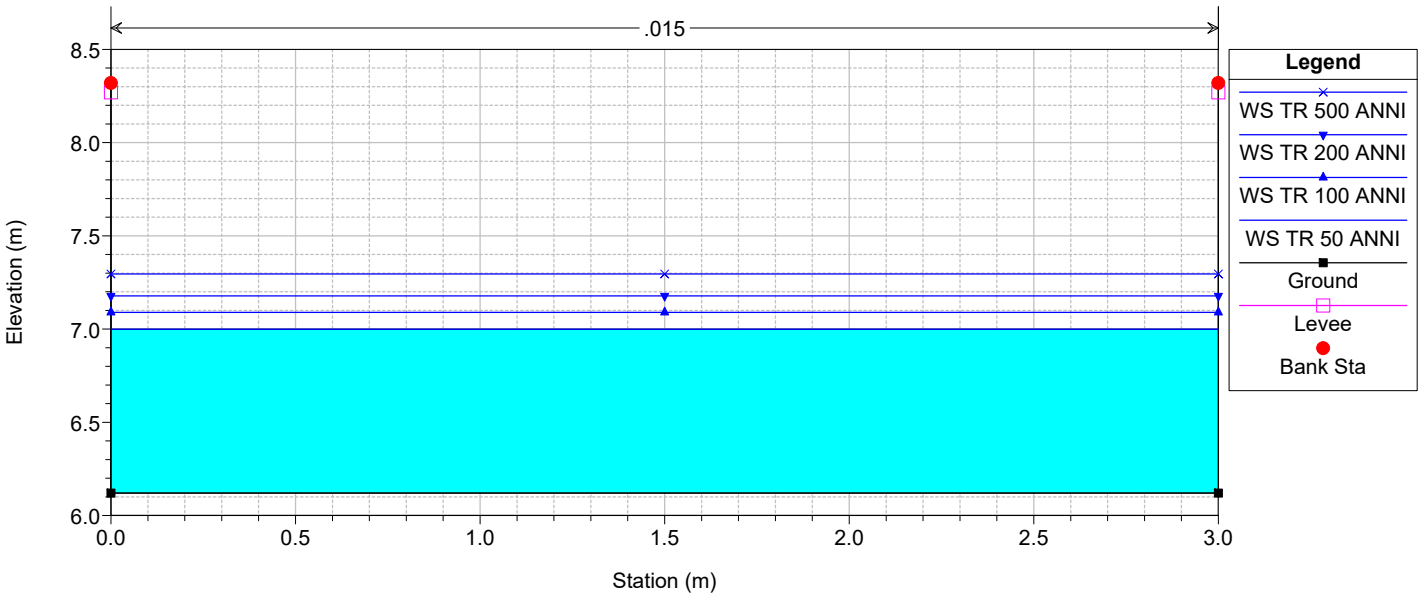
River = Liccia Reach = Liccia RS = 171.42 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

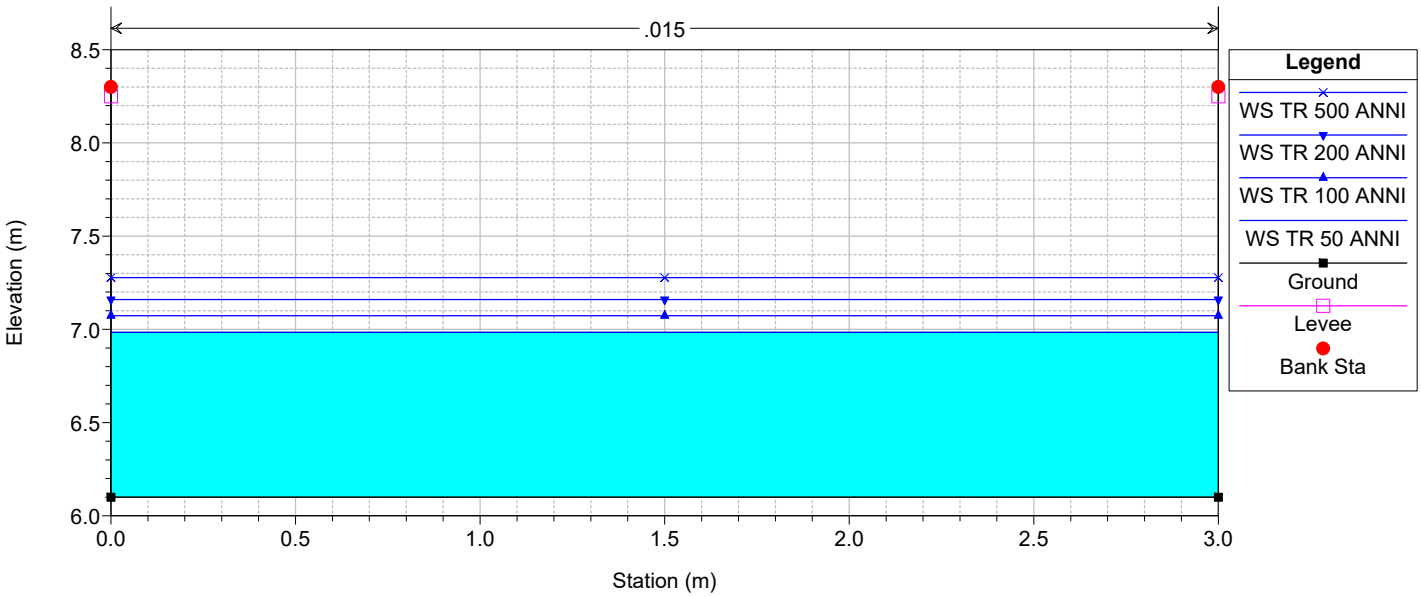
River = Liccia Reach = Liccia RS = 161.3 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

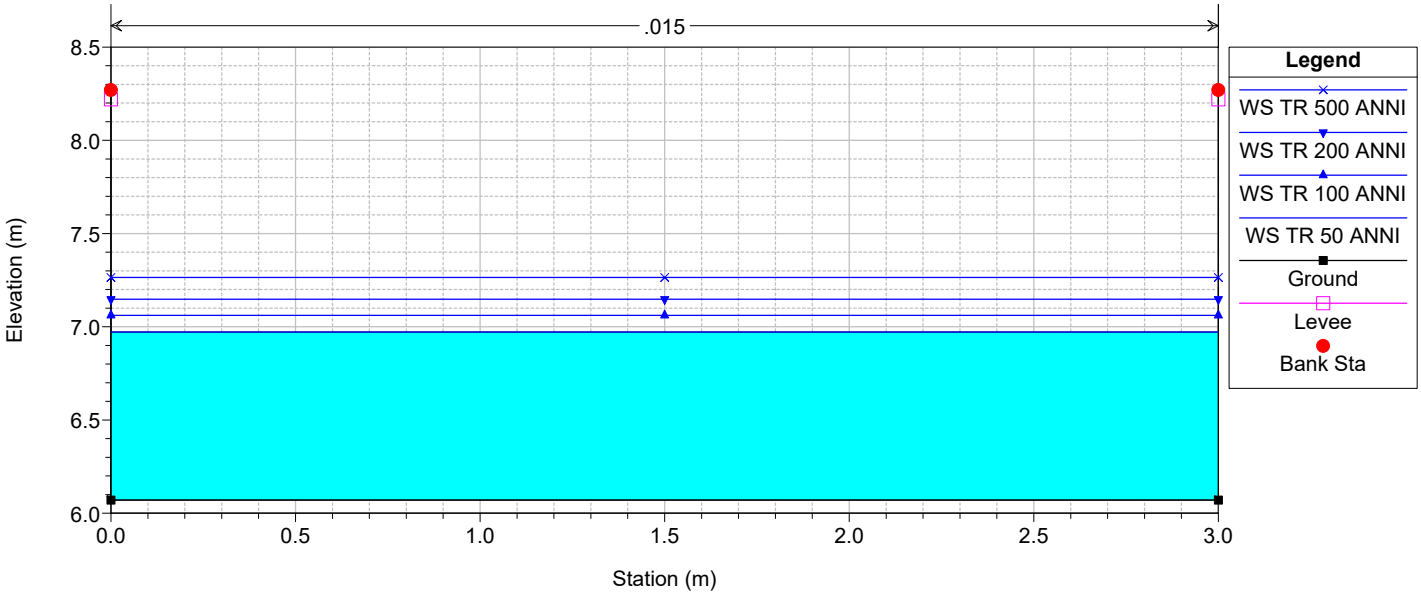
River = Liccia Reach = Liccia RS = 151.36 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

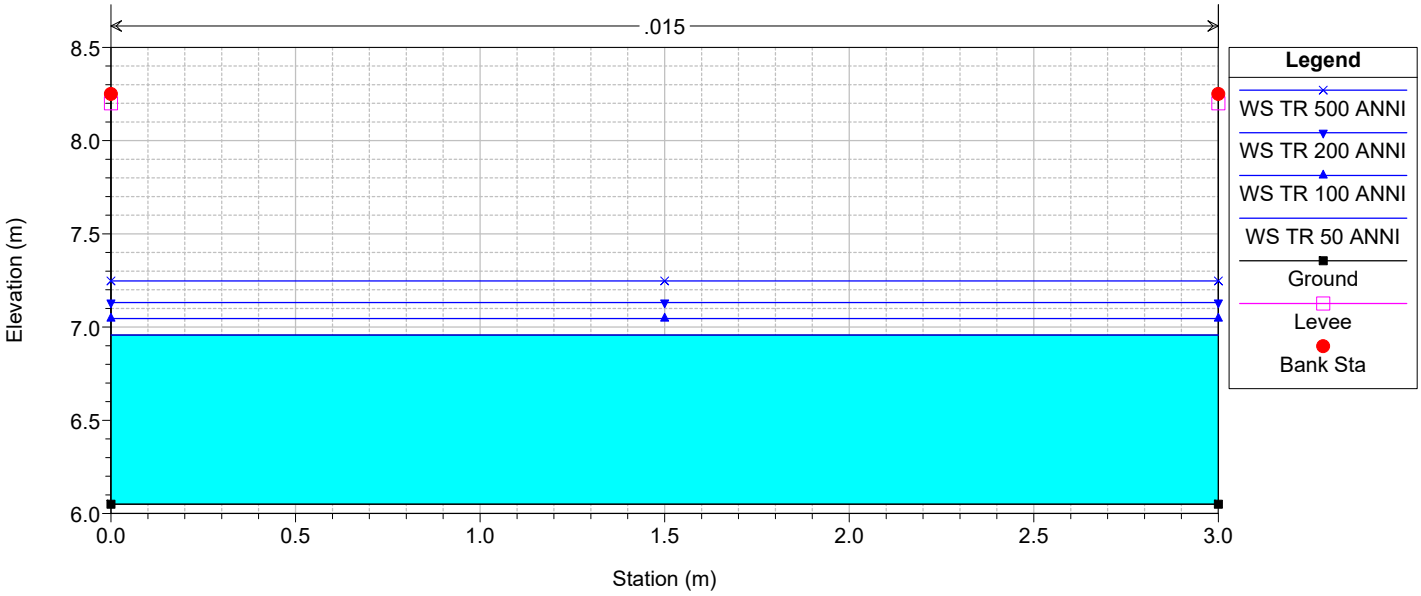
River = Liccia Reach = Liccia RS = 141.24 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

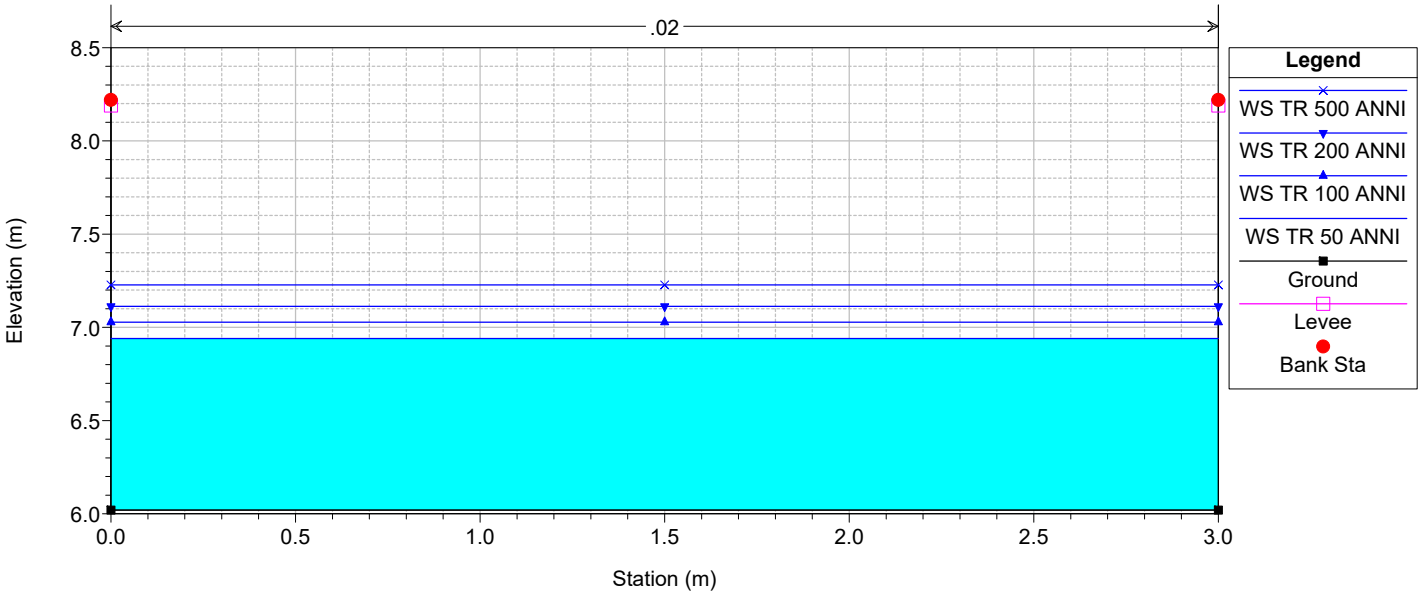
River = Liccia Reach = Liccia RS = 131.33 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

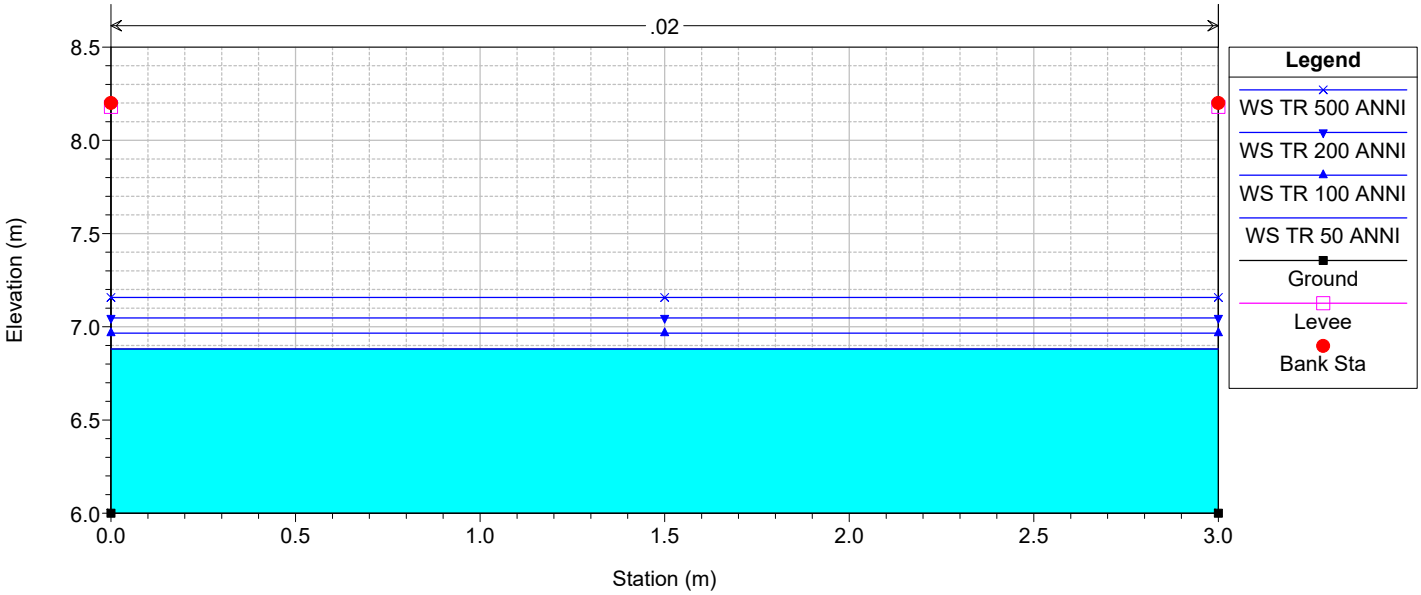
River = Liccia Reach = Liccia RS = 121.21 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

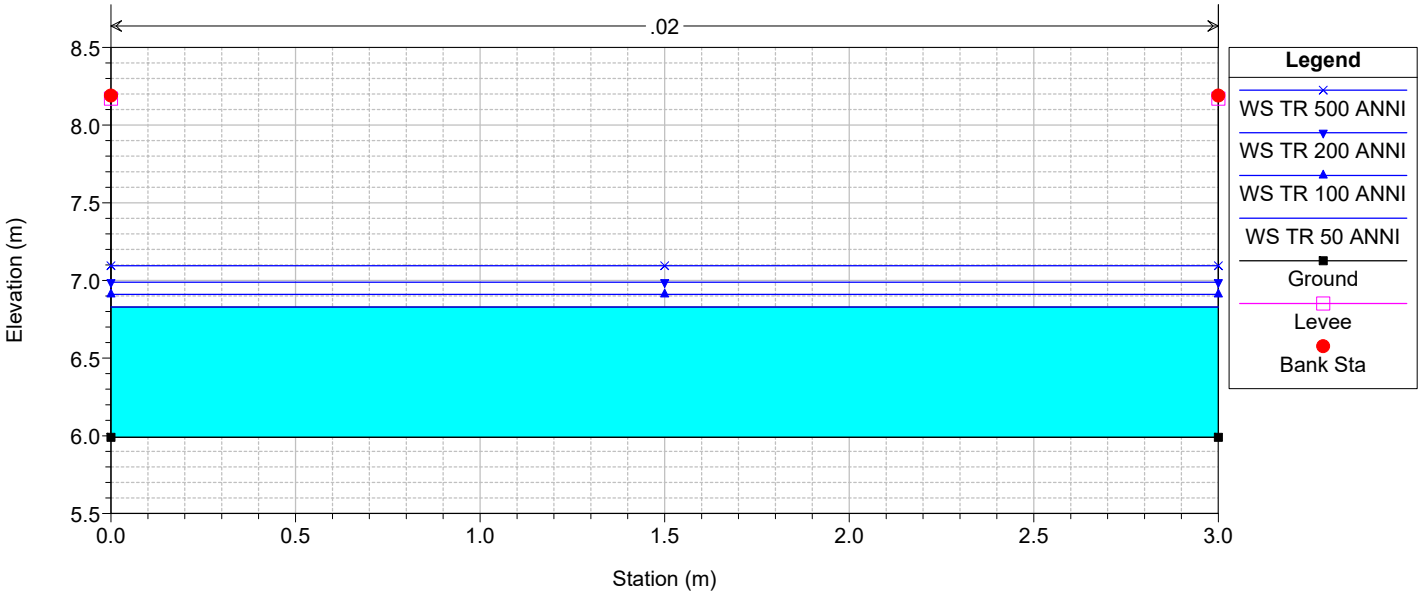
River = Liccia Reach = Liccia RS = 105.93 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

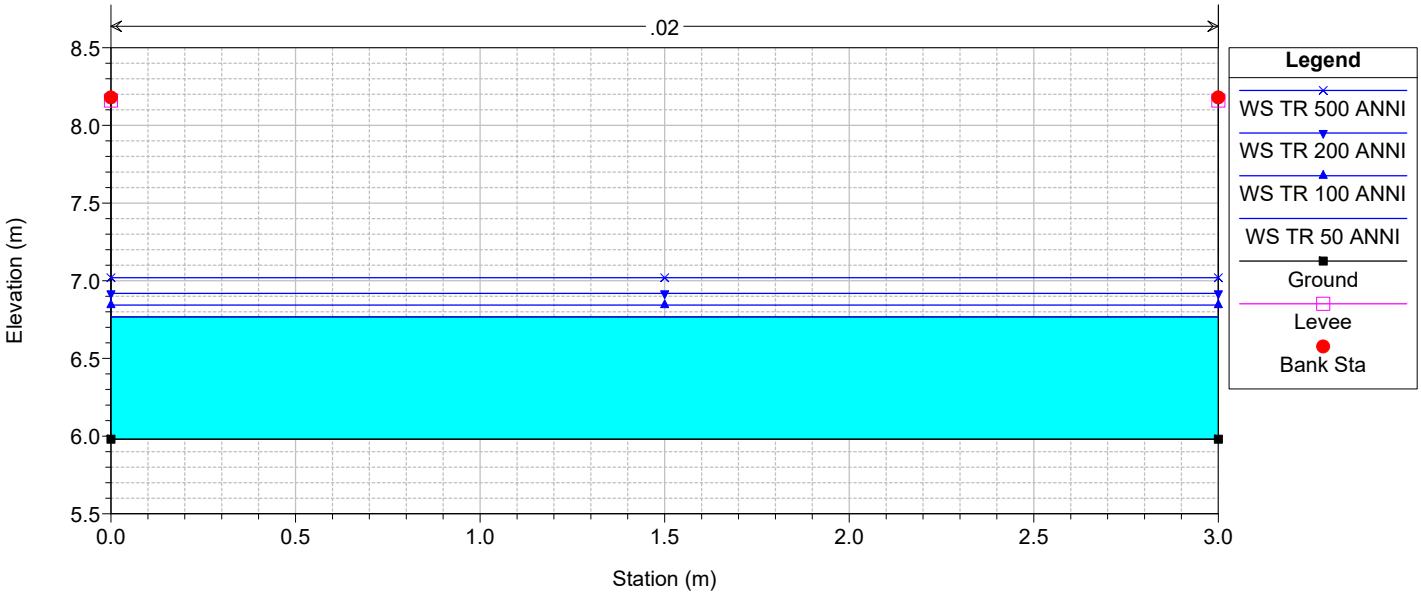
River = Liccia Reach = Liccia RS = 95.87 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

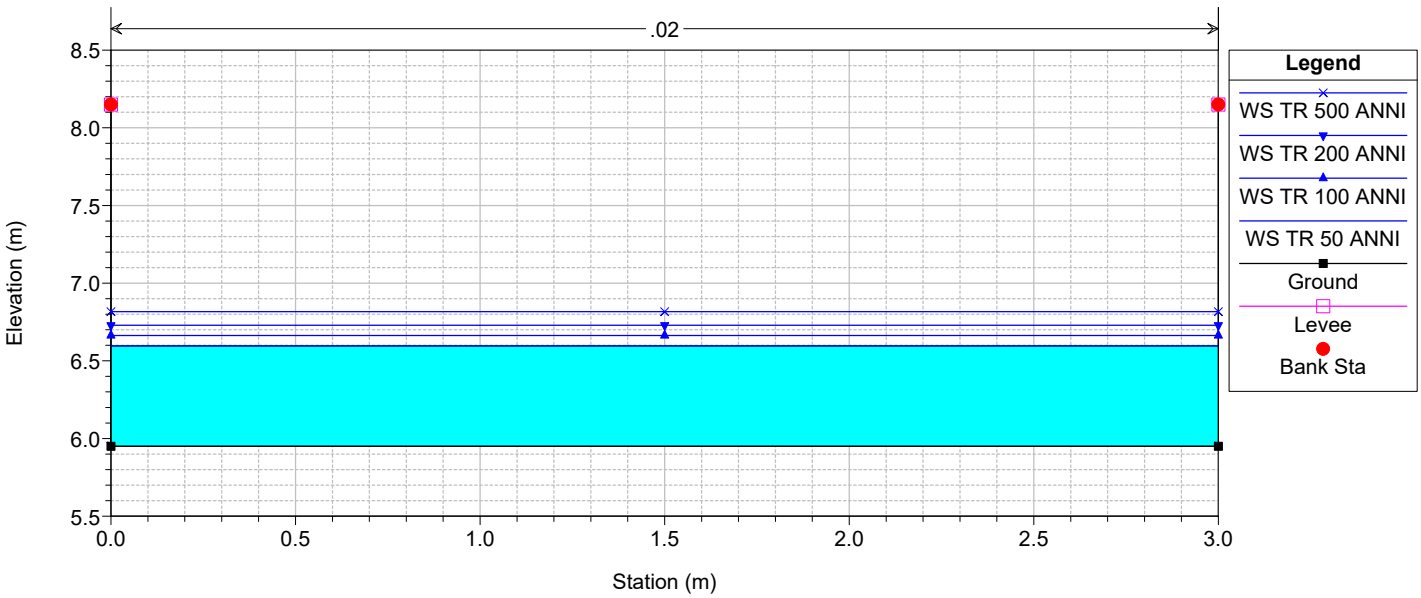
River = Liccia Reach = Liccia RS = 86.97 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

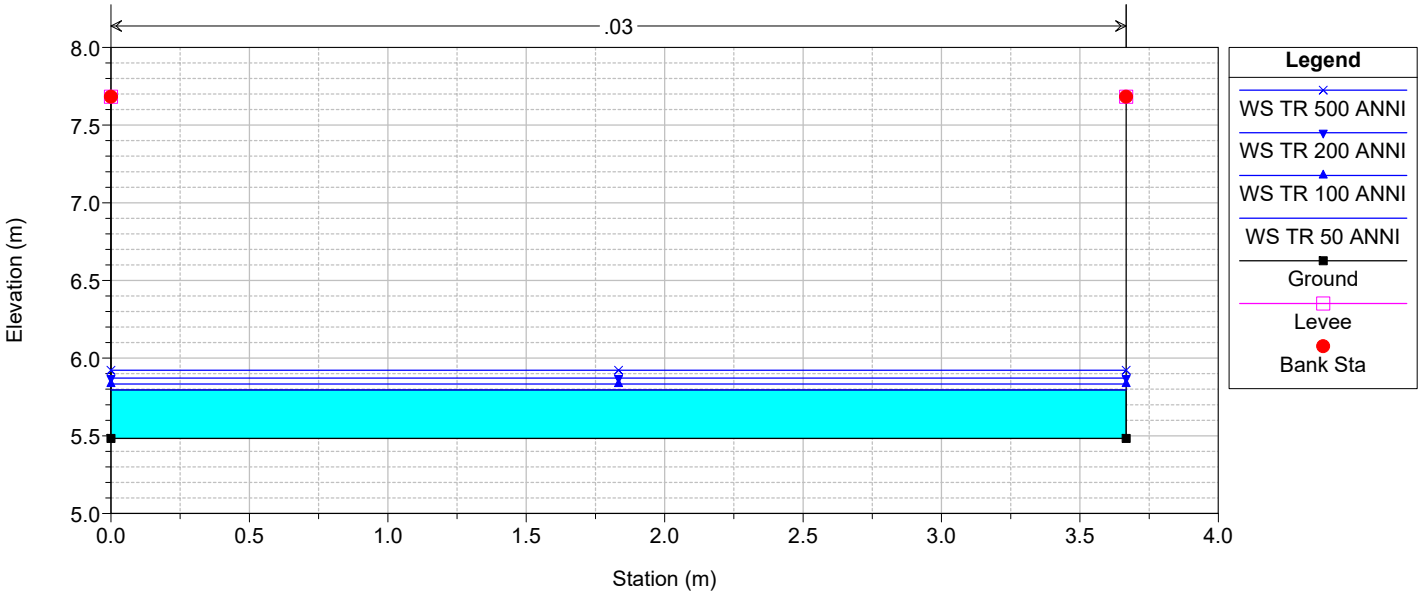
River = Liccia Reach = Liccia RS = 76.85 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

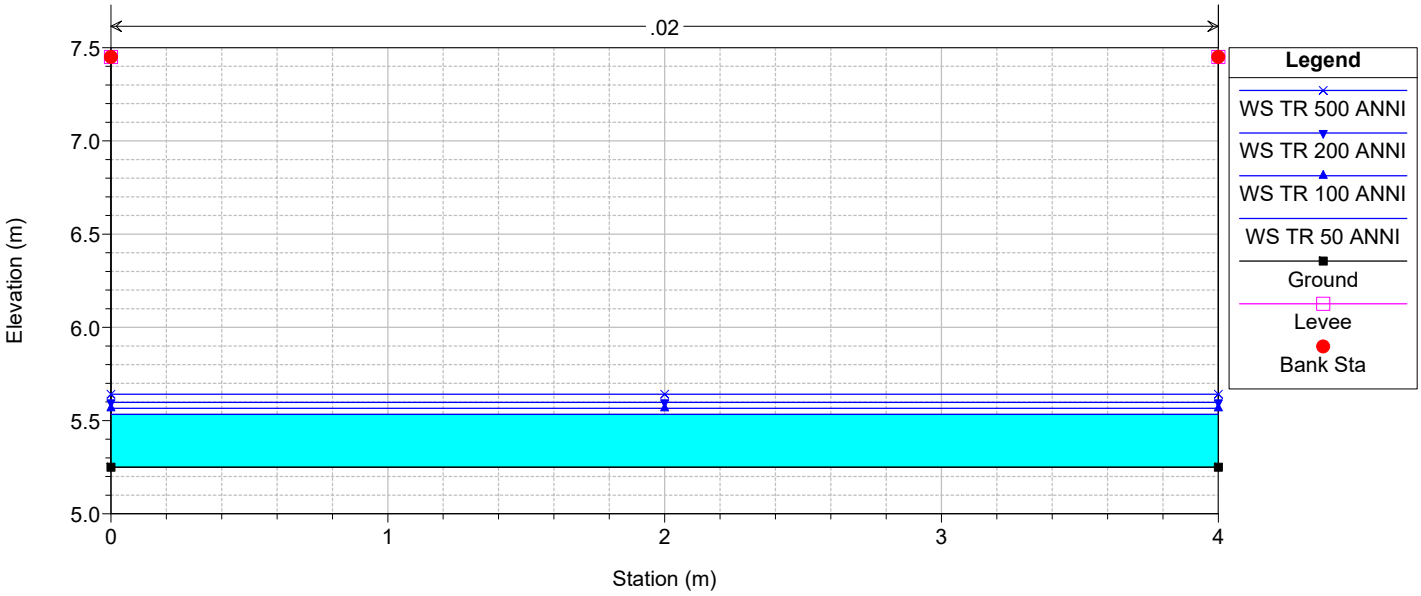
River = Liccia Reach = Liccia RS = 69.423 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

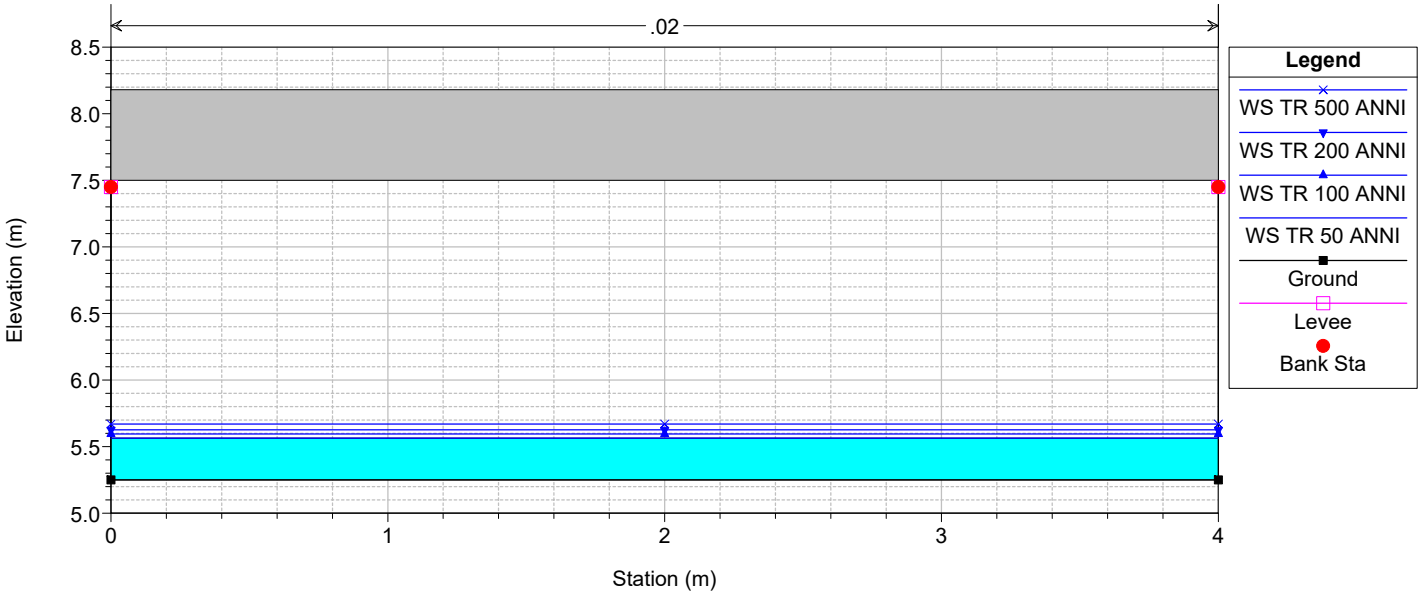
River = Liccia Reach = Liccia RS = 65.71 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

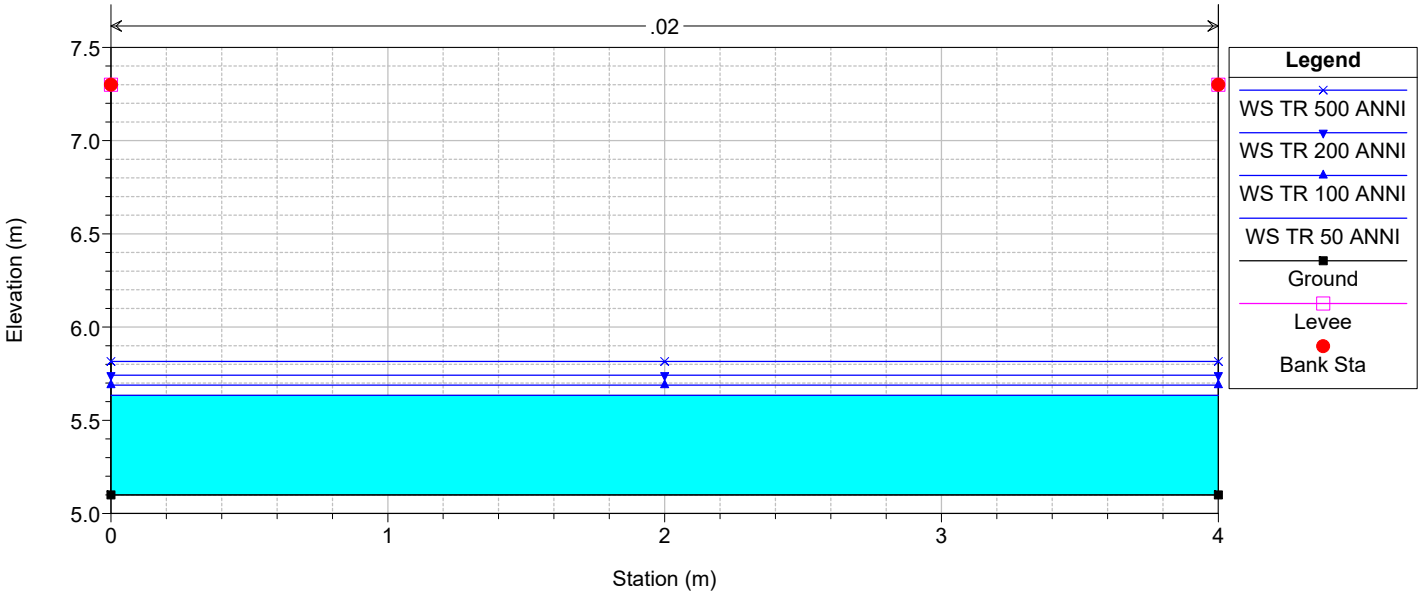
River = Liccia Reach = Liccia RS = 52.27 BR Principale COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

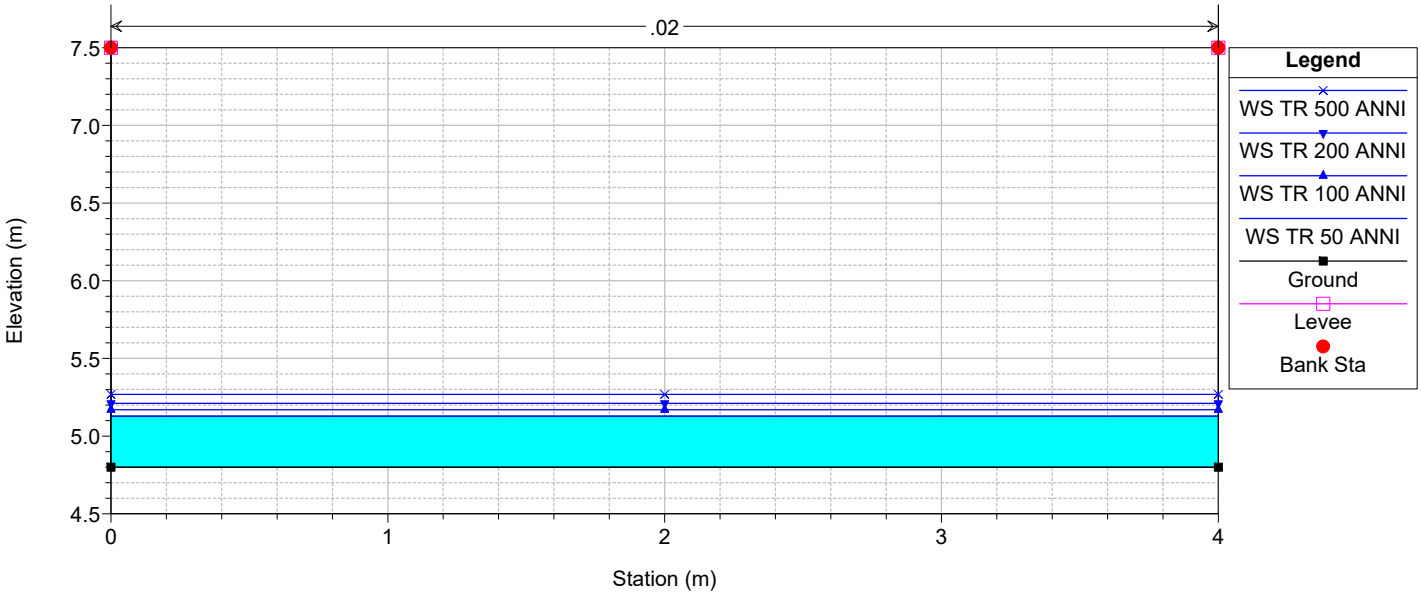
River = Liccia Reach = Liccia RS = 36.15 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

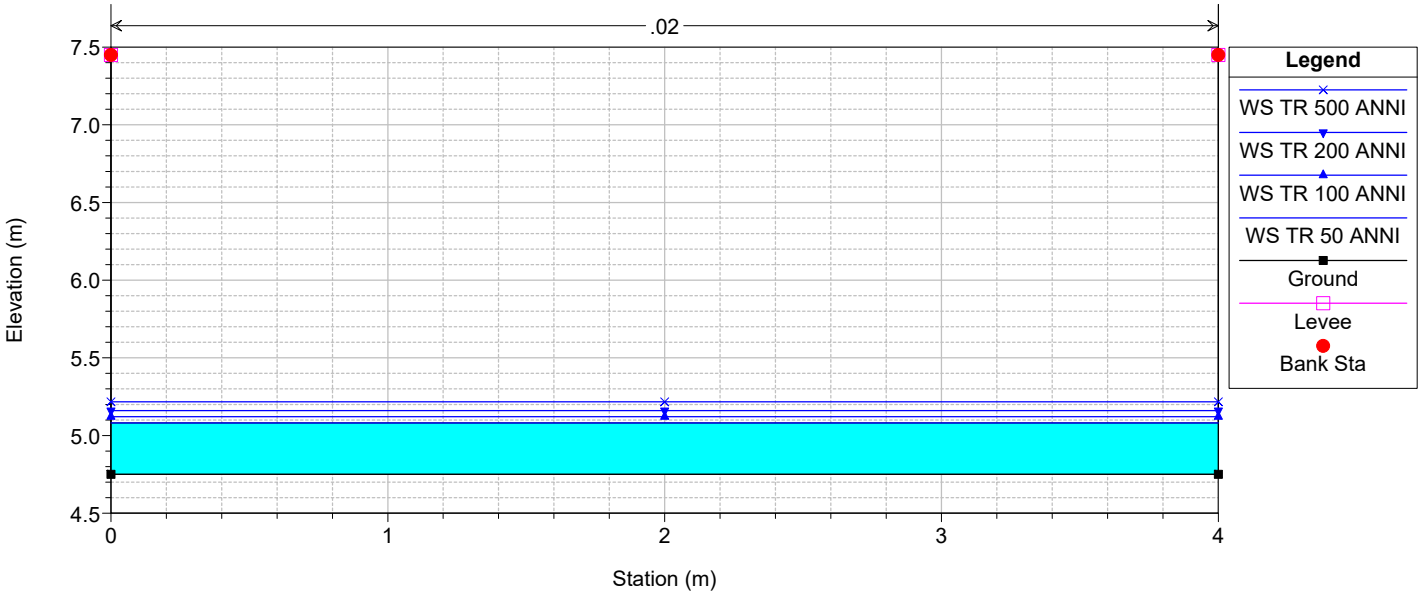
River = Liccia Reach = Liccia RS = 34.5 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

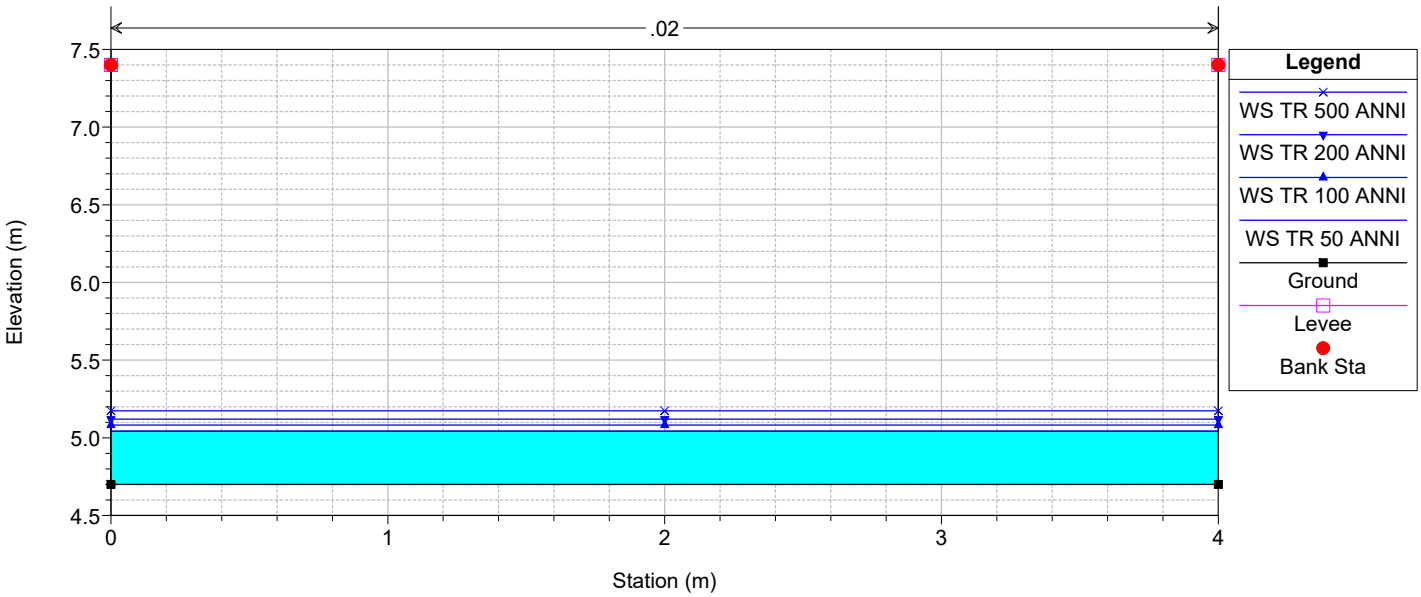
River = Liccia Reach = Liccia RS = 32.56 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

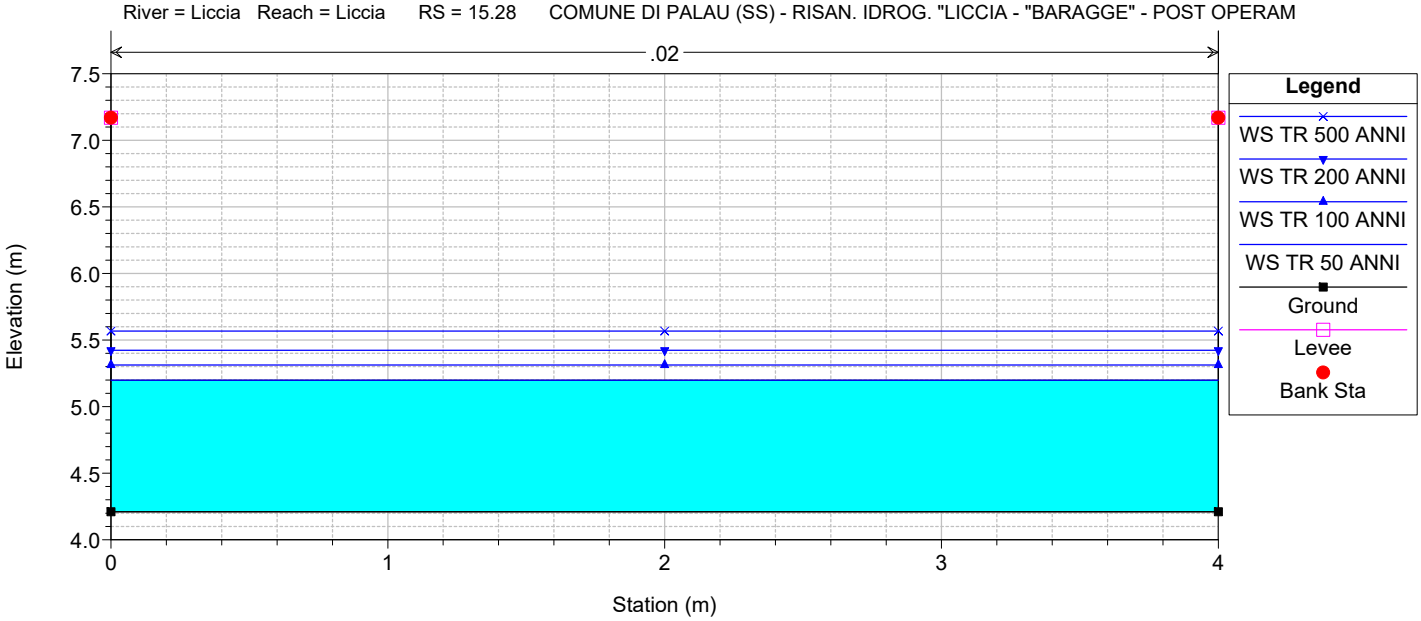
River = Liccia Reach = Liccia RS = 29.99 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

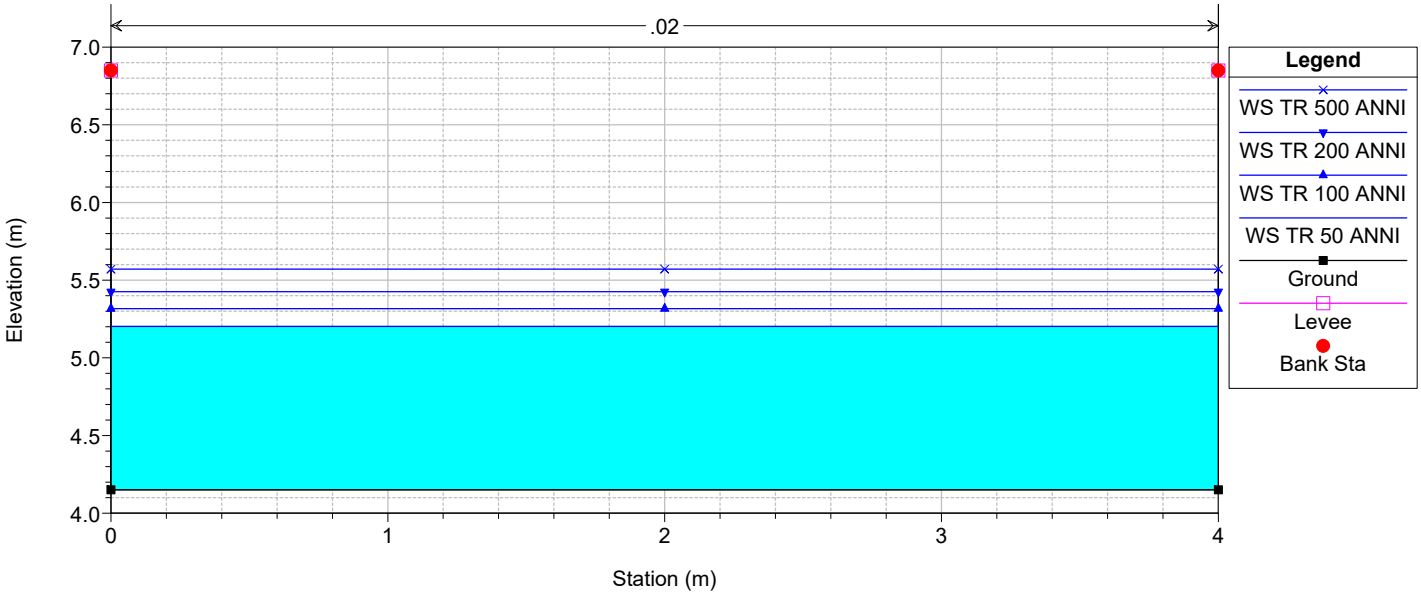
River = Liccia Reach = Liccia RS = 15.28 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

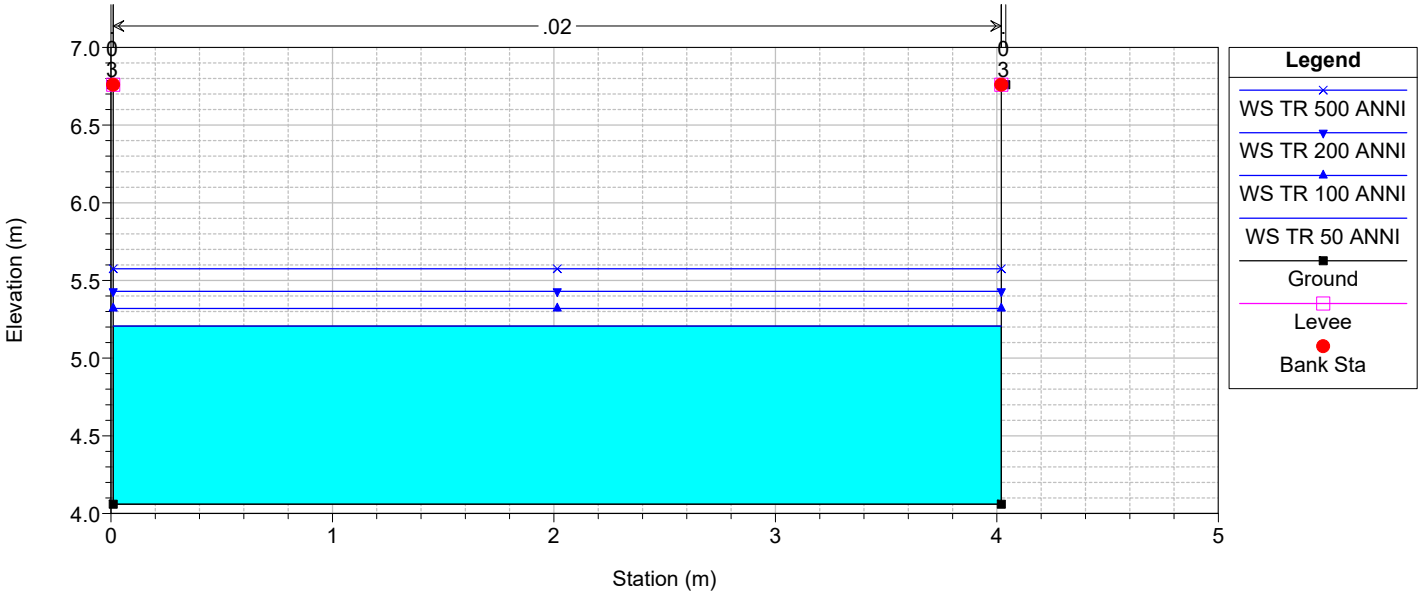
River = Liccia Reach = Liccia RS = 12.6 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

River = Liccia Reach = Liccia RS = 7.41 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Liccia	625.01	TR 50 ANNI	2.54	23.54	23.86	24.12	24.83	0.050047	4.35	0.58	2.14	2.66
Liccia	625.01	TR 100 ANNI	2.90	23.54	23.89	24.17	24.93	0.050051	4.53	0.64	2.19	2.68
Liccia	625.01	TR 200 ANNI	3.27	23.54	23.91	24.21	25.04	0.050055	4.70	0.70	2.24	2.70
Liccia	625.01	TR 500 ANNI	3.81	23.54	23.95	24.27	25.18	0.050061	4.93	0.77	2.31	2.72
Liccia	609.47	TR 50 ANNI	2.54	23.20	23.59	23.78	24.19	0.024774	3.41	0.75	2.29	1.91
Liccia	609.47	TR 100 ANNI	2.90	23.20	23.62	23.83	24.28	0.025666	3.59	0.81	2.34	1.95
Liccia	609.47	TR 200 ANNI	3.27	23.20	23.65	23.87	24.37	0.026485	3.76	0.87	2.39	1.99
Liccia	609.47	TR 500 ANNI	3.81	23.20	23.68	23.93	24.49	0.027537	3.99	0.95	2.46	2.05
Liccia	597.75	TR 50 ANNI	2.54	22.00	22.28	22.58	23.63	0.081745	5.15	0.49	2.06	3.35
Liccia	597.75	TR 100 ANNI	2.90	22.00	22.30	22.62	23.72	0.077389	5.27	0.55	2.11	3.29
Liccia	597.75	TR 200 ANNI	3.27	22.00	22.33	22.67	23.81	0.073937	5.38	0.61	2.16	3.24
Liccia	597.75	TR 500 ANNI	3.81	22.00	22.37	22.73	23.93	0.070186	5.54	0.69	2.24	3.19
Liccia	585.85	TR 50 ANNI	2.54	20.50	20.75	21.08	22.45	0.114588	5.77	0.44	2.00	3.93
Liccia	585.85	TR 100 ANNI	2.90	20.50	20.77	21.13	22.59	0.111120	5.96	0.49	2.05	3.90
Liccia	585.85	TR 200 ANNI	3.27	20.50	20.80	21.17	22.71	0.107852	6.13	0.53	2.09	3.88
Liccia	585.85	TR 500 ANNI	3.81	20.50	20.83	21.23	22.88	0.103681	6.34	0.60	2.16	3.84
Liccia	573.34	TR 50 ANNI	2.54	19.70	19.99	20.28	21.20	0.069785	4.88	0.52	2.08	3.11
Liccia	573.34	TR 100 ANNI	2.90	19.70	20.01	20.33	21.35	0.070972	5.11	0.57	2.13	3.16
Liccia	573.34	TR 200 ANNI	3.27	19.70	20.03	20.37	21.48	0.071856	5.33	0.61	2.17	3.20
Liccia	573.34	TR 500 ANNI	3.81	19.70	20.06	20.43	21.67	0.072717	5.61	0.68	2.23	3.25
Liccia	561.32	TR 50 ANNI	2.54	19.20	19.53	19.78	20.44	0.046122	4.23	0.60	2.16	2.56
Liccia	561.32	TR 100 ANNI	2.90	19.20	19.55	19.83	20.56	0.047400	4.45	0.65	2.21	2.61
Liccia	561.32	TR 200 ANNI	3.27	19.20	19.57	19.87	20.68	0.048570	4.65	0.70	2.25	2.66
Liccia	561.32	TR 500 ANNI	3.81	19.20	19.61	19.93	20.84	0.050045	4.92	0.77	2.32	2.72
Liccia	548.62	TR 50 ANNI	2.54	18.50	18.82	19.08	19.81	0.052001	4.41	0.58	2.13	2.71
Liccia	548.62	TR 100 ANNI	2.90	18.50	18.84	19.13	19.92	0.052140	4.60	0.63	2.18	2.73
Liccia	548.62	TR 200 ANNI	3.27	18.50	18.87	19.17	20.03	0.052422	4.78	0.68	2.23	2.76
Liccia	548.62	TR 500 ANNI	3.81	18.50	18.90	19.23	20.18	0.052802	5.02	0.76	2.30	2.79
Liccia	538.3	TR 50 ANNI	4.62	17.00	17.25	17.58	18.93	0.101589	5.75	0.80	3.49	3.83
Liccia	538.3	TR 100 ANNI	5.28	17.00	17.27	17.63	19.07	0.096500	5.93	0.89	3.54	3.78
Liccia	538.3	TR 200 ANNI	5.97	17.00	17.30	17.68	19.19	0.092089	6.10	0.98	3.59	3.73
Liccia	538.3	TR 500 ANNI	6.99	17.00	17.33	17.75	19.37	0.086854	6.32	1.11	3.66	3.67
Liccia	527.82	TR 50 ANNI	4.62	16.70	17.01	17.28	18.04	0.047239	4.49	1.03	3.62	2.69
Liccia	527.82	TR 100 ANNI	5.28	16.70	17.03	17.33	18.18	0.048309	4.73	1.12	3.67	2.74
Liccia	527.82	TR 200 ANNI	5.97	16.70	17.06	17.38	18.31	0.049119	4.96	1.20	3.72	2.79
Liccia	527.82	TR 500 ANNI	6.99	16.70	17.09	17.45	18.50	0.049911	5.26	1.33	3.78	2.84
Liccia	517.83	TR 50 ANNI	4.62	16.50	16.86	17.08	17.59	0.027970	3.78	1.22	3.73	2.11
Liccia	517.83	TR 100 ANNI	5.28	16.50	16.89	17.13	17.71	0.029382	4.02	1.31	3.78	2.17
Liccia	517.83	TR 200 ANNI	5.97	16.50	16.91	17.18	17.83	0.030660	4.25	1.41	3.82	2.24
Liccia	517.83	TR 500 ANNI	6.99	16.50	16.95	17.25	18.00	0.032235	4.55	1.54	3.89	2.31
Liccia	508.89	TR 50 ANNI	4.62	16.40	16.82	16.98	17.34	0.016607	3.18	1.45	3.85	1.65
Liccia	508.89	TR 100 ANNI	5.28	16.40	16.85	17.03	17.44	0.017908	3.41	1.55	3.90	1.72
Liccia	508.89	TR 200 ANNI	5.97	16.40	16.87	17.08	17.54	0.019152	3.63	1.65	3.95	1.79
Liccia	508.89	TR 500 ANNI	6.99	16.40	16.91	17.15	17.69	0.020780	3.92	1.78	4.02	1.88
Liccia	499.68	TR 50 ANNI	4.62	15.00	15.37	15.76	16.96	0.065288	5.58	0.83	2.43	3.06
Liccia	499.68	TR 100 ANNI	5.28	15.00	15.41	15.82	17.06	0.060495	5.68	0.93	2.48	2.96
Liccia	499.68	TR 200 ANNI	5.97	15.00	15.46	15.89	17.16	0.056670	5.78	1.03	2.53	2.89
Liccia	499.68	TR 500 ANNI	6.99	15.00	15.51	15.97	17.30	0.052801	5.92	1.18	2.59	2.81
Liccia	486.74	TR 50 ANNI	4.62	14.90	15.40	15.65	16.24	0.025657	4.06	1.14	2.58	1.95
Liccia	486.74	TR 100 ANNI	5.28	14.90	15.44	15.72	16.36	0.025785	4.24	1.25	2.62	1.97
Liccia	486.74	TR 200 ANNI	5.97	14.90	15.48	15.78	16.47	0.025861	4.41	1.36	2.67	1.98
Liccia	486.74	TR 500 ANNI	6.99	14.90	15.54	15.87	16.63	0.026048	4.63	1.51	2.74	1.99
Liccia	472.75	TR 50 ANNI	4.62	14.80	15.45	15.56	15.90	0.010449	2.97	1.55	2.76	1.26
Liccia	472.75	TR 100 ANNI	5.28	14.80	15.49	15.62	16.01	0.011268	3.17	1.66	2.80	1.31
Liccia	472.75	TR 200 ANNI	5.97	14.80	15.53	15.69	16.11	0.011993	3.36	1.78	2.85	1.36
Liccia	472.75	TR 500 ANNI	6.99	14.80	15.59	15.77	16.25	0.012943	3.61	1.93	2.91	1.42
Liccia	458.87	TR 50 ANNI	4.89	14.70	15.48	15.48	15.81	0.006498	2.55	1.92	2.91	1.00
Liccia	458.87	TR 100 ANNI	5.67	14.70	15.56	15.56	15.91	0.006419	2.65	2.14	2.99	1.00
Liccia	458.87	TR 200 ANNI	6.46	14.70	15.63	15.63	16.01	0.006369	2.74	2.36	3.08	1.00
Liccia	458.87	TR 500 ANNI	7.59	14.70	15.72	15.72	16.14	0.006371	2.86	2.65	3.18	1.00
Liccia	452.58	TR 50 ANNI	4.89	14.60	15.05	15.25	15.72	0.015204	3.62	1.35	3.42	1.72
Liccia	452.58	TR 100 ANNI	5.67	14.60	15.10	15.31	15.82	0.013973	3.75	1.51	3.47	1.68
Liccia	452.58	TR 200 ANNI	6.46	14.60	15.16	15.38	15.92	0.013015	3.86	1.67	3.52	1.65
Liccia	452.58	TR 500 ANNI	7.59	14.60	15.23	15.47	16.05	0.011773	4.00	1.90	3.59	1.61
Liccia	446.2		Culvert									
Liccia	428.88	TR 50 ANNI	4.89	12.50	12.75	13.15	14.95	0.062166	6.57	0.75	5.00	4.21
Liccia	428.88	TR 100 ANNI	5.67	12.50	12.78	13.21	15.14	0.057705	6.81	0.83	5.00	4.13
Liccia	428.88	TR 200 ANNI	6.46	12.50	12.81	13.28	15.25	0.050820	6.91	0.94	5.00	3.95
Liccia	428.88	TR 500 ANNI	7.59	12.50	12.85	13.37	15.45	0.045771	7.14	1.06	5.00	3.83
Liccia	418.53	TR 50 ANNI	4.89	10.95	11.17	11.60	14.03	0.115605	7.49	0.65	3.00	5.13
Liccia	418.53	TR 100 ANNI	5.67	10.95	11.19	11.66	14.28	0.109612	7.78	0.73	3.00	5.04
Liccia	418.53	TR 200 ANNI	6.46	10.95	11.22	11.73	14.45	0.101486	7.96	0.81	3.00	4.88
Liccia	418.53	TR 500 ANNI	7.59	10.95	11.26	11.82	14.71	0.094390	8.23	0.92	3.00	4.75

HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Liccia	410.97	TR 50 ANNI	4.89	10.67	10.92	11.32	13.13	0.076763	6.58	0.74	3.00	4.22
Liccia	410.97	TR 100 ANNI	5.67	10.67	10.94	11.38	13.40	0.076633	6.94	0.82	3.00	4.25
Liccia	410.97	TR 200 ANNI	6.46	10.67	10.97	11.45	13.62	0.074559	7.21	0.90	3.00	4.21
Liccia	410.97	TR 500 ANNI	7.59	10.67	11.00	11.54	13.93	0.072772	7.57	1.00	3.00	4.18
Liccia	400.97	TR 50 ANNI	4.89	10.32	10.60	10.97	12.35	0.053640	5.87	0.83	3.00	3.56
Liccia	400.97	TR 100 ANNI	5.67	10.32	10.62	11.03	12.61	0.055205	6.24	0.91	3.00	3.63
Liccia	400.97	TR 200 ANNI	6.46	10.32	10.65	11.10	12.84	0.055598	6.56	0.99	3.00	3.65
Liccia	400.97	TR 500 ANNI	7.59	10.32	10.68	11.19	13.16	0.056211	6.96	1.09	3.00	3.69
Liccia	390.97	TR 50 ANNI	4.89	8.85	9.08	9.50	11.59	0.093515	7.01	0.70	3.00	4.64
Liccia	390.97	TR 100 ANNI	5.67	8.85	9.11	9.56	11.84	0.090688	7.32	0.77	3.00	4.60
Liccia	390.97	TR 200 ANNI	6.46	8.85	9.13	9.63	12.08	0.087844	7.60	0.85	3.00	4.56
Liccia	390.97	TR 500 ANNI	7.59	8.85	9.17	9.72	12.40	0.084876	7.96	0.95	3.00	4.51
Liccia	380.97	TR 50 ANNI	4.89	8.80	9.09	9.45	10.68	0.045817	5.58	0.88	3.00	3.30
Liccia	380.97	TR 100 ANNI	5.67	8.80	9.12	9.51	10.92	0.047614	5.95	0.95	3.00	3.38
Liccia	380.97	TR 200 ANNI	6.46	8.80	9.14	9.58	11.16	0.048871	6.29	1.03	3.00	3.43
Liccia	380.97	TR 500 ANNI	7.59	8.80	9.18	9.67	11.48	0.050337	6.72	1.13	3.00	3.50
Liccia	370.97	TR 50 ANNI	4.89	8.57	8.89	9.22	10.20	0.034096	5.08	0.96	3.00	2.86
Liccia	370.97	TR 100 ANNI	5.67	8.57	8.92	9.28	10.42	0.035859	5.43	1.04	3.00	2.94
Liccia	370.97	TR 200 ANNI	6.46	8.57	8.94	9.35	10.64	0.037315	5.76	1.12	3.00	3.01
Liccia	370.97	TR 500 ANNI	7.59	8.57	8.98	9.44	10.93	0.039098	6.18	1.23	3.00	3.09
Liccia	360.97	TR 50 ANNI	4.89	8.24	8.56	8.89	9.86	0.033531	5.05	0.97	3.00	2.84
Liccia	360.97	TR 100 ANNI	5.67	8.24	8.59	8.95	10.06	0.034440	5.36	1.06	3.00	2.88
Liccia	360.97	TR 200 ANNI	6.46	8.24	8.62	9.02	10.26	0.035408	5.66	1.14	3.00	2.93
Liccia	360.97	TR 500 ANNI	7.59	8.24	8.66	9.11	10.53	0.036598	6.05	1.25	3.00	2.99
Liccia	350.96	TR 50 ANNI	4.89	8.07	8.42	8.72	9.51	0.025343	4.61	1.06	3.00	2.47
Liccia	350.96	TR 100 ANNI	5.67	8.07	8.45	8.78	9.69	0.026439	4.92	1.15	3.00	2.54
Liccia	350.96	TR 200 ANNI	6.46	8.07	8.48	8.85	9.87	0.027527	5.22	1.24	3.00	2.59
Liccia	350.96	TR 500 ANNI	7.59	8.07	8.52	8.94	10.12	0.028892	5.60	1.36	3.00	2.66
Liccia	340.96	TR 50 ANNI	4.89	7.76	8.11	8.41	9.24	0.027183	4.72	1.04	3.00	2.56
Liccia	340.96	TR 100 ANNI	5.67	7.76	8.14	8.47	9.41	0.027824	5.00	1.13	3.00	2.60
Liccia	340.96	TR 200 ANNI	6.46	7.76	8.17	8.54	9.59	0.028478	5.27	1.23	3.00	2.64
Liccia	340.96	TR 500 ANNI	7.59	7.76	8.21	8.63	9.83	0.029429	5.63	1.35	3.00	2.68
Liccia	330.96	TR 50 ANNI	4.89	7.34	7.67	7.99	8.93	0.032138	4.98	0.98	3.00	2.78
Liccia	330.96	TR 100 ANNI	5.67	7.34	7.70	8.05	9.10	0.032175	5.24	1.08	3.00	2.79
Liccia	330.96	TR 200 ANNI	6.46	7.34	7.73	8.12	9.27	0.032210	5.49	1.18	3.00	2.80
Liccia	330.96	TR 500 ANNI	7.59	7.34	7.77	8.21	9.51	0.032661	5.83	1.30	3.00	2.83
Liccia	320.96	TR 50 ANNI	4.89	6.91	7.23	7.56	8.58	0.035878	5.16	0.95	3.00	2.93
Liccia	320.96	TR 100 ANNI	5.67	6.91	7.26	7.62	8.76	0.035551	5.42	1.05	3.00	2.93
Liccia	320.96	TR 200 ANNI	6.46	6.91	7.29	7.69	8.92	0.035292	5.66	1.14	3.00	2.93
Liccia	320.96	TR 500 ANNI	7.59	6.91	7.33	7.78	9.16	0.035331	5.98	1.27	3.00	2.94
Liccia	310.96	TR 50 ANNI	4.89	6.77	7.12	7.42	8.20	0.025109	4.60	1.06	3.00	2.46
Liccia	310.96	TR 100 ANNI	5.67	6.77	7.16	7.48	8.37	0.025738	4.88	1.16	3.00	2.50
Liccia	310.96	TR 200 ANNI	6.46	6.77	7.19	7.55	8.53	0.026250	5.14	1.26	3.00	2.53
Liccia	310.96	TR 500 ANNI	7.59	6.77	7.23	7.64	8.76	0.027032	5.48	1.39	3.00	2.57
Liccia	300.96	TR 50 ANNI	4.89	6.67	7.07	7.32	7.93	0.017790	4.11	1.19	3.00	2.08
Liccia	300.96	TR 100 ANNI	5.67	6.67	7.10	7.38	8.08	0.018707	4.39	1.29	3.00	2.14
Liccia	300.96	TR 200 ANNI	6.46	6.67	7.13	7.45	8.24	0.019530	4.66	1.39	3.00	2.19
Liccia	300.96	TR 500 ANNI	7.59	6.67	7.18	7.54	8.45	0.020533	5.00	1.52	3.00	2.24
Liccia	290.96	TR 50 ANNI	4.89	6.53	6.94	7.18	7.74	0.015906	3.96	1.24	3.00	1.97
Liccia	290.96	TR 100 ANNI	5.67	6.53	6.98	7.24	7.89	0.016578	4.22	1.34	3.00	2.01
Liccia	290.96	TR 200 ANNI	6.46	6.53	7.01	7.31	8.03	0.017235	4.47	1.45	3.00	2.06
Liccia	290.96	TR 500 ANNI	7.59	6.53	7.06	7.40	8.23	0.018097	4.79	1.58	3.00	2.11
Liccia	280.96	TR 50 ANNI	4.89	6.51	7.01	7.16	7.55	0.008732	3.25	1.51	3.00	1.46
Liccia	280.96	TR 100 ANNI	5.67	6.51	7.04	7.22	7.68	0.009729	3.53	1.60	3.00	1.54
Liccia	280.96	TR 200 ANNI	6.46	6.51	7.08	7.29	7.81	0.010648	3.80	1.70	3.00	1.61
Liccia	280.96	TR 500 ANNI	7.59	6.51	7.12	7.38	8.00	0.011801	4.15	1.83	3.00	1.70
Liccia	270.96	TR 50 ANNI	4.89	6.49	7.08	7.14	7.47	0.005461	2.77	1.76	3.00	1.16
Liccia	270.96	TR 100 ANNI	5.67	6.49	7.15	7.20	7.57	0.005242	2.87	1.98	3.00	1.13
Liccia	270.96	TR 200 ANNI	6.46	6.49	7.22	7.27	7.66	0.004981	2.94	2.20	3.00	1.09
Liccia	270.96	TR 500 ANNI	7.59	6.49	7.23	7.36	7.83	0.006723	3.42	2.22	3.00	1.27
Liccia	260.96	TR 50 ANNI	4.89	6.44	7.04	7.09	7.42	0.005177	2.72	1.80	3.00	1.12
Liccia	260.96	TR 100 ANNI	5.67	6.44	7.10	7.15	7.52	0.005242	2.87	1.98	3.00	1.13
Liccia	260.96	TR 200 ANNI	6.46	6.44	7.30	7.22	7.62	0.003163	2.51	2.58	3.00	0.86
Liccia	260.96	TR 500 ANNI	7.59	6.44	7.43	7.31	7.76	0.002965	2.57	2.96	3.00	0.83
Liccia	250.96	TR 50 ANNI	4.89	6.34	7.15	6.99	7.35	0.002185	2.03	2.42	3.00	0.72
Liccia	250.96	TR 100 ANNI	5.67	6.34	7.24	7.05	7.46	0.002151	2.10	2.69	3.00	0.71
Liccia	250.96	TR 200 ANNI	6.46	6.34	7.33	7.12	7.57	0.002133	2.18	2.96	3.00	0.70
Liccia	250.96	TR 500 ANNI	7.59	6.34	7.45	7.21	7.71	0.002127	2.28	3.33	3.00	0.69
Liccia	246.86	TR 50 ANNI	4.89	6.33	7.14	6.98	7.35	0.002176	2.02	2.42	3.00	0.72
Liccia	246.86	TR 100 ANNI	5.67	6.33	7.23	7.04	7.45	0.002142	2.10	2.70	3.00	0.71
Liccia	246.86	TR 200 ANNI	6.46	6.33	7.32	7.11	7.56	0.002125	2.18	2.97	3.00	0.70
Liccia	246.86	TR 500 ANNI	7.59	6.33	7.44	7.20	7.71	0.002120	2.28	3.33	3.00	0.69
Liccia	244.8	TR 50 ANNI	4.89	6.32	7.13	6.97	7.34	0.002117	2.00	2.44	3.00	0.71
Liccia	244.8	TR 100 ANNI	5.67	6.32	7.23	7.03	7.45	0.002091	2.08	2.72	3.00	0.70

HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Liccia	244.8	TR 200 ANNI	6.46	6.32	7.32	7.10	7.56	0.002080	2.16	2.99	3.00	0.69
Liccia	244.8	TR 500 ANNI	7.59	6.32	7.44	7.19	7.70	0.002080	2.26	3.36	3.00	0.68
Liccia	243.6 Parcheggio		Bridge									
Liccia	235.29	TR 50 ANNI	4.89	6.30	7.11	6.95	7.32	0.002124	2.01	2.44	3.00	0.71
Liccia	235.29	TR 100 ANNI	5.67	6.30	7.21	7.01	7.43	0.002095	2.08	2.72	3.00	0.70
Liccia	235.29	TR 200 ANNI	6.46	6.30	7.30	7.08	7.53	0.002082	2.16	2.99	3.00	0.69
Liccia	235.29	TR 500 ANNI	7.59	6.30	7.42	7.17	7.68	0.002082	2.26	3.36	3.00	0.68
Liccia	233.93	TR 50 ANNI	4.89	6.28	7.12	6.93	7.31	0.001945	1.94	2.52	3.00	0.68
Liccia	233.93	TR 100 ANNI	5.67	6.28	7.21	6.99	7.42	0.001938	2.03	2.79	3.00	0.67
Liccia	233.93	TR 200 ANNI	6.46	6.28	7.30	7.06	7.53	0.001943	2.11	3.07	3.00	0.67
Liccia	233.93	TR 500 ANNI	7.59	6.28	7.42	7.15	7.67	0.001960	2.21	3.43	3.00	0.66
Liccia	231.47	TR 50 ANNI	4.89	6.25	7.13	6.90	7.30	0.001723	1.86	2.63	3.00	0.64
Liccia	231.47	TR 100 ANNI	5.67	6.25	7.22	6.96	7.41	0.001740	1.95	2.90	3.00	0.63
Liccia	231.47	TR 200 ANNI	6.46	6.25	7.31	7.03	7.52	0.001763	2.04	3.17	3.00	0.63
Liccia	231.47	TR 500 ANNI	7.59	6.25	7.43	7.12	7.66	0.001800	2.14	3.54	3.00	0.63
Liccia	220.99	TR 50 ANNI	4.89	6.23	7.11	6.88	7.28	0.001750	1.87	2.61	3.00	0.64
Liccia	220.99	TR 100 ANNI	5.67	6.23	7.20	6.95	7.39	0.001767	1.96	2.89	3.00	0.64
Liccia	220.99	TR 200 ANNI	6.46	6.23	7.29	7.01	7.50	0.001789	2.05	3.16	3.00	0.64
Liccia	220.99	TR 500 ANNI	7.59	6.23	7.41	7.10	7.65	0.001826	2.16	3.52	3.00	0.64
Liccia	211.01	TR 50 ANNI	4.89	6.22	7.09	6.87	7.27	0.001773	1.88	2.60	3.00	0.65
Liccia	211.01	TR 100 ANNI	5.67	6.22	7.18	6.93	7.38	0.001788	1.97	2.87	3.00	0.64
Liccia	211.01	TR 200 ANNI	6.46	6.22	7.27	7.00	7.48	0.001811	2.06	3.14	3.00	0.64
Liccia	211.01	TR 500 ANNI	7.59	6.22	7.39	7.09	7.63	0.001847	2.17	3.50	3.00	0.64
Liccia	201.16	TR 50 ANNI	4.89	6.20	7.07	6.85	7.25	0.001756	1.88	2.61	3.00	0.64
Liccia	201.16	TR 100 ANNI	5.67	6.20	7.16	6.91	7.36	0.001774	1.97	2.88	3.00	0.64
Liccia	201.16	TR 200 ANNI	6.46	6.20	7.25	6.98	7.46	0.001799	2.05	3.15	3.00	0.64
Liccia	201.16	TR 500 ANNI	7.59	6.20	7.37	7.07	7.61	0.001838	2.16	3.51	3.00	0.64
Liccia	190.99	TR 50 ANNI	4.89	6.18	7.05	6.83	7.23	0.001745	1.87	2.61	3.00	0.64
Liccia	190.99	TR 100 ANNI	5.67	6.18	7.14	6.89	7.34	0.001765	1.96	2.89	3.00	0.64
Liccia	190.99	TR 200 ANNI	6.46	6.18	7.23	6.96	7.45	0.001791	2.05	3.16	3.00	0.64
Liccia	190.99	TR 500 ANNI	7.59	6.18	7.35	7.05	7.59	0.001834	2.16	3.51	3.00	0.64
Liccia	180.96	TR 50 ANNI	4.89	6.17	7.03	6.82	7.21	0.001819	1.90	2.58	3.00	0.65
Liccia	180.96	TR 100 ANNI	5.67	6.17	7.12	6.88	7.32	0.001833	1.99	2.85	3.00	0.65
Liccia	180.96	TR 200 ANNI	6.46	6.17	7.21	6.95	7.43	0.001856	2.07	3.12	3.00	0.65
Liccia	180.96	TR 500 ANNI	7.59	6.17	7.33	7.04	7.57	0.001895	2.19	3.47	3.00	0.65
Liccia	171.42	TR 50 ANNI	4.89	6.15	7.01	6.80	7.19	0.001798	1.89	2.59	3.00	0.65
Liccia	171.42	TR 100 ANNI	5.67	6.15	7.10	6.86	7.30	0.001818	1.98	2.86	3.00	0.65
Liccia	171.42	TR 200 ANNI	6.46	6.15	7.19	6.93	7.41	0.001843	2.07	3.12	3.00	0.65
Liccia	171.42	TR 500 ANNI	7.59	6.15	7.31	7.02	7.55	0.001885	2.18	3.48	3.00	0.65
Liccia	161.3	TR 50 ANNI	4.89	6.12	7.00	6.77	7.17	0.001700	1.86	2.64	3.00	0.63
Liccia	161.3	TR 100 ANNI	5.67	6.12	7.09	6.83	7.28	0.001731	1.95	2.91	3.00	0.63
Liccia	161.3	TR 200 ANNI	6.46	6.12	7.18	6.90	7.39	0.001765	2.04	3.17	3.00	0.63
Liccia	161.3	TR 500 ANNI	7.59	6.12	7.30	6.99	7.53	0.001817	2.15	3.53	3.00	0.63
Liccia	151.36	TR 50 ANNI	4.89	6.10	6.98	6.75	7.16	0.001678	1.85	2.65	3.00	0.63
Liccia	151.36	TR 100 ANNI	5.67	6.10	7.07	6.81	7.27	0.001712	1.94	2.92	3.00	0.63
Liccia	151.36	TR 200 ANNI	6.46	6.10	7.16	6.88	7.37	0.001752	2.03	3.18	3.00	0.63
Liccia	151.36	TR 500 ANNI	7.59	6.10	7.28	6.97	7.51	0.001807	2.15	3.53	3.00	0.63
Liccia	141.24	TR 50 ANNI	4.89	6.07	6.97	6.72	7.14	0.001583	1.81	2.71	3.00	0.61
Liccia	141.24	TR 100 ANNI	5.67	6.07	7.06	6.78	7.25	0.001627	1.91	2.97	3.00	0.61
Liccia	141.24	TR 200 ANNI	6.46	6.07	7.15	6.85	7.35	0.001675	2.00	3.23	3.00	0.61
Liccia	141.24	TR 500 ANNI	7.59	6.07	7.26	6.94	7.49	0.001740	2.12	3.58	3.00	0.62
Liccia	131.33	TR 50 ANNI	4.89	6.05	6.96	6.70	7.12	0.001556	1.80	2.72	3.00	0.60
Liccia	131.33	TR 100 ANNI	5.67	6.05	7.05	6.76	7.23	0.001605	1.90	2.99	3.00	0.61
Liccia	131.33	TR 200 ANNI	6.46	6.05	7.13	6.83	7.33	0.001657	1.99	3.25	3.00	0.61
Liccia	131.33	TR 500 ANNI	7.59	6.05	7.25	6.92	7.47	0.001727	2.11	3.59	3.00	0.62
Liccia	121.21	TR 50 ANNI	4.89	6.02	6.94	6.67	7.10	0.002658	1.77	2.76	3.00	0.59
Liccia	121.21	TR 100 ANNI	5.67	6.02	7.03	6.73	7.21	0.002759	1.87	3.02	3.00	0.60
Liccia	121.21	TR 200 ANNI	6.46	6.02	7.11	6.80	7.31	0.002863	1.97	3.28	3.00	0.60
Liccia	121.21	TR 500 ANNI	7.59	6.02	7.23	6.89	7.45	0.003000	2.09	3.62	3.00	0.61
Liccia	105.93	TR 50 ANNI	4.89	6.00	6.88	6.65	7.06	0.003006	1.85	2.64	3.00	0.63
Liccia	105.93	TR 100 ANNI	5.67	6.00	6.97	6.71	7.16	0.003112	1.96	2.90	3.00	0.64
Liccia	105.93	TR 200 ANNI	6.46	6.00	7.05	6.78	7.26	0.003226	2.06	3.14	3.00	0.64
Liccia	105.93	TR 500 ANNI	7.59	6.00	7.16	6.87	7.40	0.003374	2.19	3.47	3.00	0.65
Liccia	95.87	TR 50 ANNI	4.89	5.99	6.83	6.64	7.02	0.003460	1.95	2.52	3.00	0.68
Liccia	95.87	TR 100 ANNI	5.67	5.99	6.91	6.70	7.13	0.003562	2.05	2.76	3.00	0.68
Liccia	95.87	TR 200 ANNI	6.46	5.99	6.99	6.77	7.23	0.003680	2.16	3.00	3.00	0.69
Liccia	95.87	TR 500 ANNI	7.59	5.99	7.09	6.86	7.36	0.003833	2.29	3.31	3.00	0.70
Liccia	86.97	TR 50 ANNI	4.89	5.98	6.77	6.63	6.99	0.004145	2.07	2.36	3.00	0.75
Liccia	86.97	TR 100 ANNI	5.67	5.98	6.84	6.69	7.09	0.004265	2.19	2.59	3.00	0.75
Liccia	86.97	TR 200 ANNI	6.46	5.98	6.92	6.76	7.19	0.004384	2.30	2.82	3.00	0.76
Liccia	86.97	TR 500 ANNI	7.59	5.98	7.02	6.85	7.32	0.004537	2.43	3.12	3.00	0.76
Liccia	76.85	TR 50 ANNI	4.89	5.95	6.60	6.60	6.92	0.007361	2.53	1.94	3.00	1.00
Liccia	76.85	TR 100 ANNI	5.67	5.95	6.66	6.66	7.02	0.007401	2.65	2.14	3.00	1.00

HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia (Continued)

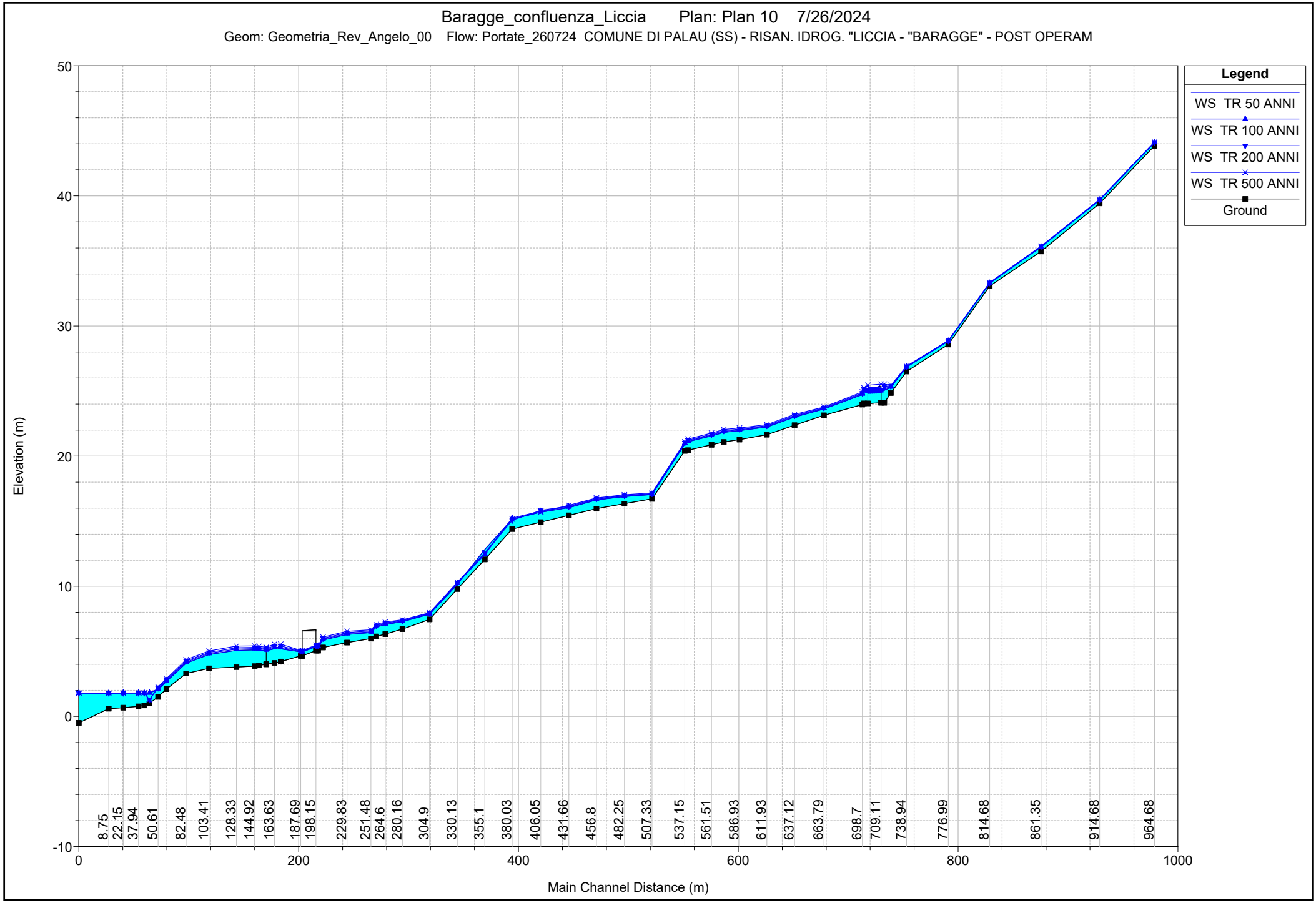
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Liccia	76.85	TR 200 ANNI	6.46	5.95	6.73	6.73	7.12	0.007446	2.76	2.34	3.00	1.00
Liccia	76.85	TR 500 ANNI	7.59	5.95	6.82	6.82	7.25	0.007568	2.92	2.60	3.00	1.00
Liccia	69.423	TR 50 ANNI	4.89	5.48	5.80	6.05	6.73	0.095739	4.27	1.14	3.67	2.44
Liccia	69.423	TR 100 ANNI	5.67	5.48	5.83	6.11	6.83	0.089479	4.41	1.28	3.67	2.38
Liccia	69.423	TR 200 ANNI	6.46	5.48	5.87	6.16	6.92	0.084550	4.54	1.42	3.67	2.33
Liccia	69.423	TR 500 ANNI	7.59	5.48	5.92	6.24	7.05	0.079538	4.71	1.61	3.67	2.27
Liccia	65.71	TR 50 ANNI	4.89	5.25	5.53	5.78	6.48	0.047658	4.31	1.13	4.00	2.59
Liccia	65.71	TR 100 ANNI	5.67	5.25	5.57	5.84	6.59	0.045483	4.49	1.26	4.00	2.55
Liccia	65.71	TR 200 ANNI	6.46	5.25	5.60	5.89	6.70	0.043636	4.64	1.39	4.00	2.51
Liccia	65.71	TR 500 ANNI	7.59	5.25	5.64	5.97	6.84	0.041617	4.85	1.57	4.00	2.47
Liccia	52.27 Principale		Bridge									
Liccia	36.15	TR 50 ANNI	4.89	5.10	5.63	5.63	5.90	0.006666	2.29	2.13	4.00	1.00
Liccia	36.15	TR 100 ANNI	5.67	5.10	5.69	5.69	5.98	0.006622	2.41	2.35	4.00	1.00
Liccia	36.15	TR 200 ANNI	6.46	5.10	5.74	5.74	6.06	0.006641	2.52	2.57	4.00	1.00
Liccia	36.15	TR 500 ANNI	7.59	5.10	5.82	5.82	6.17	0.006603	2.65	2.86	4.00	1.00
Liccia	34.5	TR 50 ANNI	4.89	4.80	5.13	5.34	5.84	0.030064	3.73	1.31	4.00	2.08
Liccia	34.5	TR 100 ANNI	5.67	4.80	5.17	5.39	5.92	0.027658	3.83	1.48	4.00	2.01
Liccia	34.5	TR 200 ANNI	6.46	4.80	5.21	5.44	6.00	0.025900	3.93	1.64	4.00	1.96
Liccia	34.5	TR 500 ANNI	7.59	4.80	5.27	5.52	6.10	0.023888	4.05	1.87	4.00	1.89
Liccia	32.56	TR 50 ANNI	4.89	4.75	5.08	5.29	5.78	0.029210	3.69	1.32	4.00	2.05
Liccia	32.56	TR 100 ANNI	5.67	4.75	5.12	5.34	5.86	0.027422	3.82	1.48	4.00	2.00
Liccia	32.56	TR 200 ANNI	6.46	4.75	5.16	5.39	5.95	0.026045	3.94	1.64	4.00	1.96
Liccia	32.56	TR 500 ANNI	7.59	4.75	5.22	5.47	6.06	0.024039	4.06	1.87	4.00	1.90
Liccia	29.99	TR 50 ANNI	4.89	4.70	5.04	5.24	5.69	0.026147	3.57	1.37	4.00	1.94
Liccia	29.99	TR 100 ANNI	5.67	4.70	5.08	5.29	5.78	0.025093	3.71	1.53	4.00	1.92
Liccia	29.99	TR 200 ANNI	6.46	4.70	5.12	5.34	5.87	0.024256	3.85	1.68	4.00	1.90
Liccia	29.99	TR 500 ANNI	7.59	4.70	5.17	5.42	5.99	0.023115	4.01	1.89	4.00	1.86
Liccia	15.28	TR 50 ANNI	4.89	4.21	5.20	4.74	5.28	0.001062	1.24	3.96	4.00	0.40
Liccia	15.28	TR 100 ANNI	5.67	4.21	5.31	4.80	5.40	0.001041	1.28	4.41	4.00	0.39
Liccia	15.28	TR 200 ANNI	6.46	4.21	5.42	4.85	5.51	0.001032	1.33	4.85	4.00	0.39
Liccia	15.28	TR 500 ANNI	7.59	4.21	5.57	4.93	5.67	0.001036	1.40	5.43	4.00	0.38
Liccia	12.6	TR 50 ANNI	4.89	4.15	5.20	4.68	5.27	0.000887	1.16	4.21	4.00	0.36
Liccia	12.6	TR 100 ANNI	5.67	4.15	5.32	4.74	5.39	0.000887	1.21	4.67	4.00	0.36
Liccia	12.6	TR 200 ANNI	6.46	4.15	5.43	4.79	5.51	0.000894	1.27	5.11	4.00	0.36
Liccia	12.6	TR 500 ANNI	7.59	4.15	5.57	4.87	5.66	0.000912	1.33	5.69	4.00	0.36
Liccia	7.41	TR 50 ANNI	4.89	4.06	5.21	4.59	5.26	0.000691	1.06	4.60	4.01	0.32
Liccia	7.41	TR 100 ANNI	5.67	4.06	5.32	4.65	5.38	0.000708	1.12	5.05	4.01	0.32
Liccia	7.41	TR 200 ANNI	6.46	4.06	5.43	4.70	5.50	0.000728	1.18	5.49	4.01	0.32
Liccia	7.41	TR 500 ANNI	7.59	4.06	5.57	4.77	5.65	0.000760	1.25	6.07	4.01	0.32

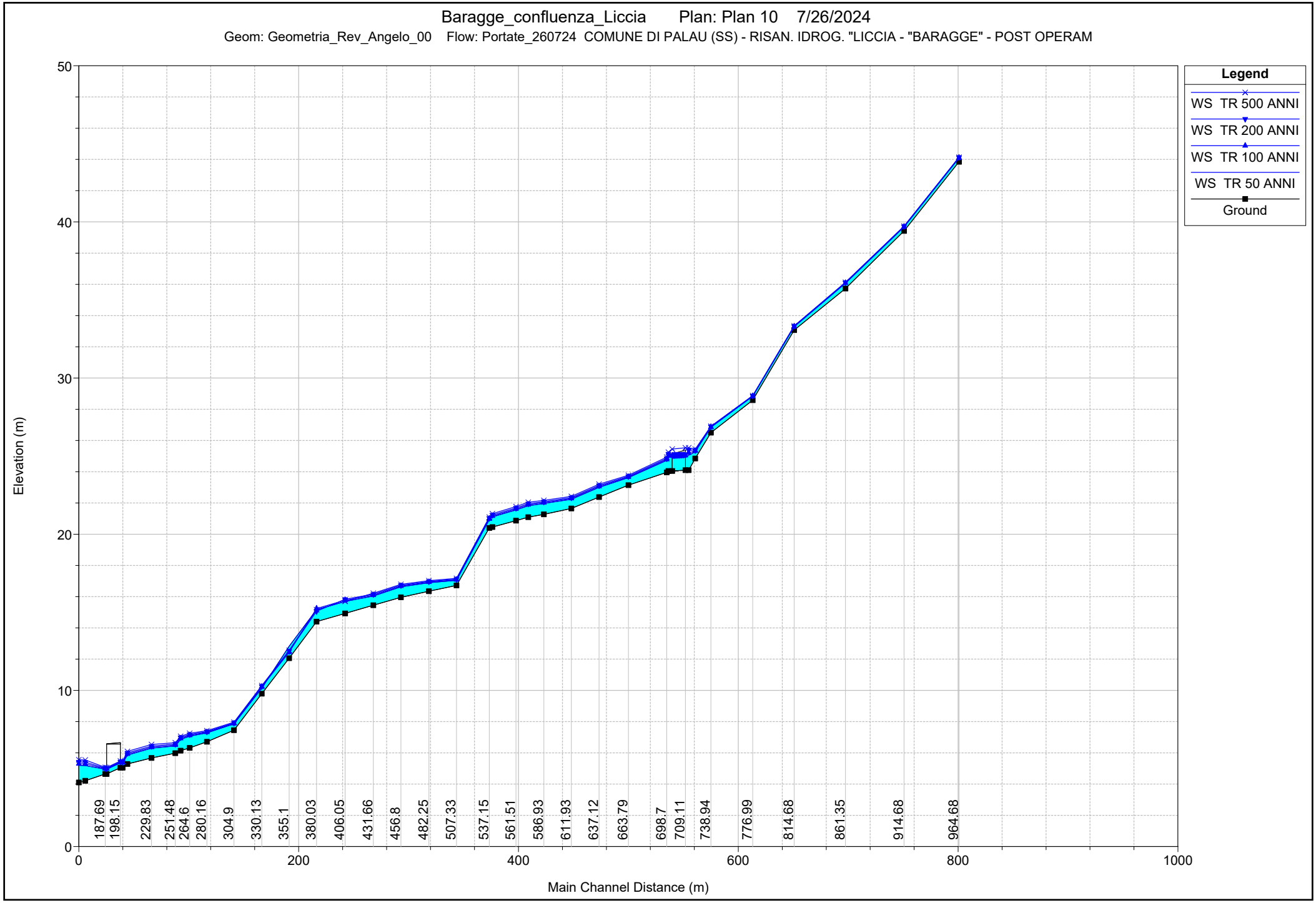
HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia

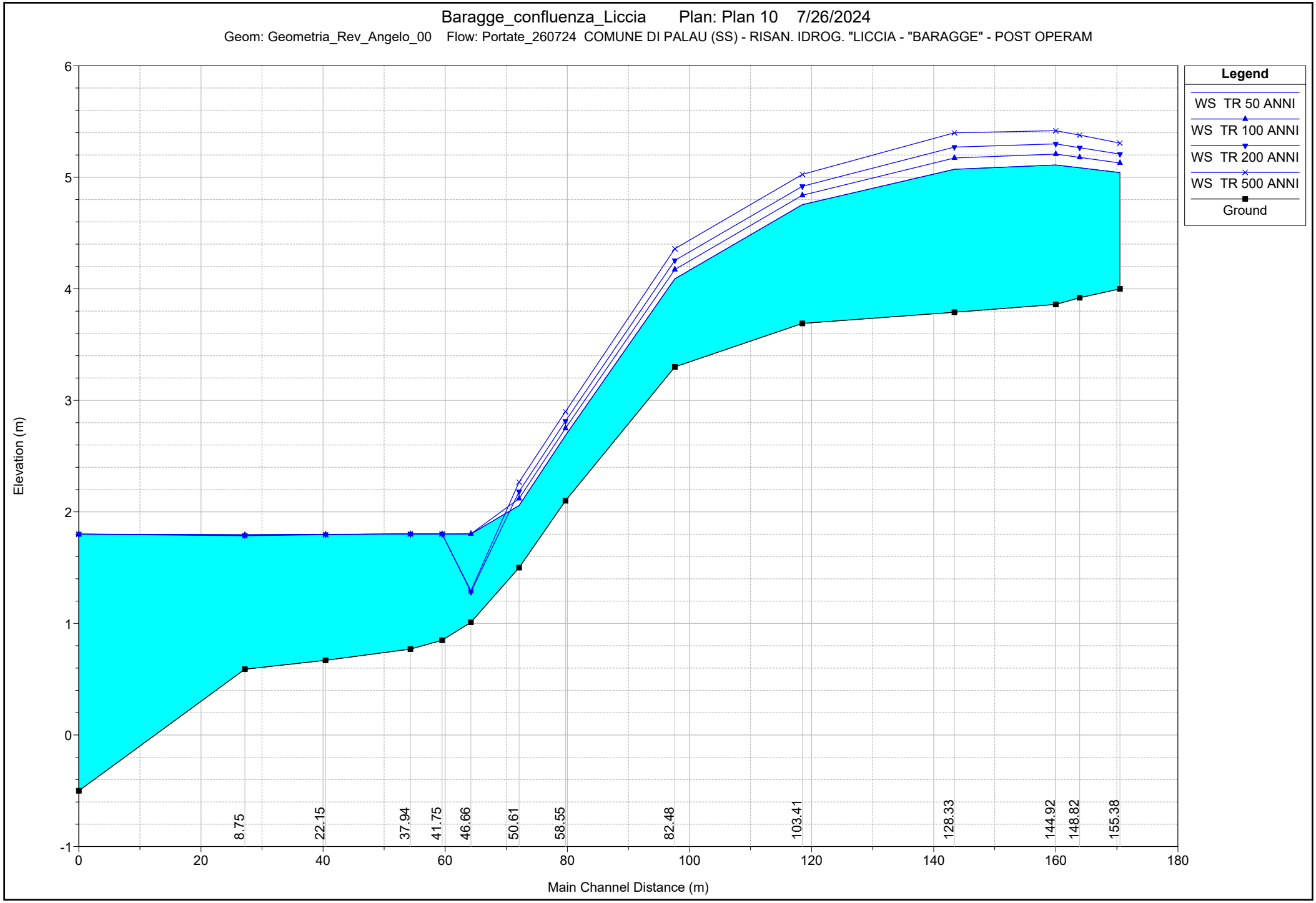
Reach	River Sta	Profile	E.G. US.	Min El Prs	BR Open Area	Prs O WS	Q Total	Min El Weir Flow	Q Weir	Delta EG	BR Sluice Coef
			(m)	(m)	(m2)	(m)	(m3/s)	(m)	(m3/s)	(m)	
Liccia	243.6 Parcheggio	TR 50 ANNI	7.34	8.50	6.54		4.89	9.30		0.02	
Liccia	243.6 Parcheggio	TR 100 ANNI	7.45	8.50	6.54		5.67	9.30		0.02	
Liccia	243.6 Parcheggio	TR 200 ANNI	7.56	8.50	6.54		6.46	9.30		0.02	
Liccia	243.6 Parcheggio	TR 500 ANNI	7.70	8.50	6.54		7.59	9.30		0.02	
Liccia	52.27 Principale	TR 50 ANNI	6.48	7.50	8.80	5.53	4.89	8.18		1.01	
Liccia	52.27 Principale	TR 100 ANNI	6.59	7.50	8.80	5.57	5.67	8.18		1.03	
Liccia	52.27 Principale	TR 200 ANNI	6.70	7.50	8.80	5.60	6.46	8.18		1.05	
Liccia	52.27 Principale	TR 500 ANNI	6.84	7.50	8.80	5.64	7.59	8.18		1.07	

HEC-RAS Plan: Plan 10 River: Liccia Reach: Liccia

Reach	River Sta	Profile	E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m3/s)	(m3/s)	(m)	(m/s)	(m/s)
Liccia	446.2 Culvert #1	TR 50 ANNI	15.72	15.05			18.90	4.89		2.30	3.15	6.65
Liccia	446.2 Culvert #1	TR 100 ANNI	15.82	15.10			18.90	5.67		2.32	3.24	6.83
Liccia	446.2 Culvert #1	TR 200 ANNI	15.92	15.16			18.90	6.46		2.34	3.33	6.98
Liccia	446.2 Culvert #1	TR 500 ANNI	16.05	15.23			18.90	7.59		2.37	3.42	7.16

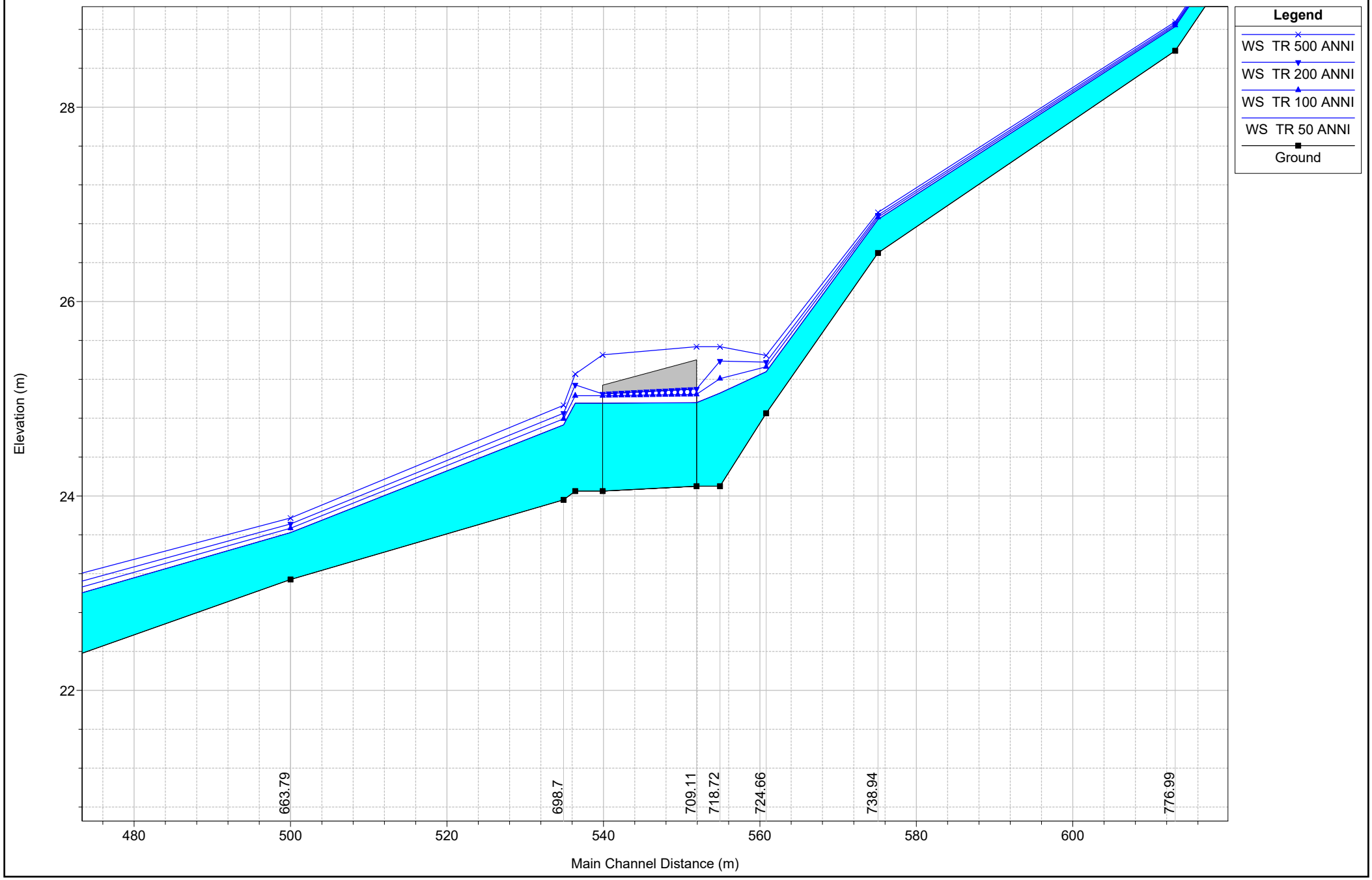

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
Legend
WS TR 50 ANNI
WS TR 100 ANNI
WS TR 200 ANNI
WS TR 500 ANNI
Ground
Elevation (m)
50
40
30
20
10
0
-10
0
200
400
600
800
1000
Main Channel Distance (m)
8.75
22.15
37.94
50.61
82.48
103.41
128.33
144.92
163.63
187.69
198.15
229.83
251.48
264.6
280.16
304.9
330.13
355.1
380.03
406.05
431.66
456.8
482.25
507.33
537.15
561.51
586.93
611.93
637.12
663.79
698.7
709.11
738.94
776.99
814.68
861.35
914.68
964.68


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Elevation (m)
Main Channel Distance (m)
0
10
20
30
40
50
0
200
400
600
800
1000
187.69
198.15
229.83
251.48
264.6
280.16
304.9
330.13
355.1
380.03
406.05
431.66
456.8
482.25
507.33
537.15
561.51
586.93
611.93
637.12
663.79
698.7
709.11
738.94
776.99
814.68
861.35
914.68
964.68


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
Legend
WS TR 50 ANNI
WS TR 100 ANNI
WS TR 200 ANNI
WS TR 500 ANNI
Ground
Elevation (m)
Main Channel Distance (m)
8.75
22.15
37.94
41.75
46.66
50.61
58.55
82.48
103.41
128.33
144.92
148.82
155.38

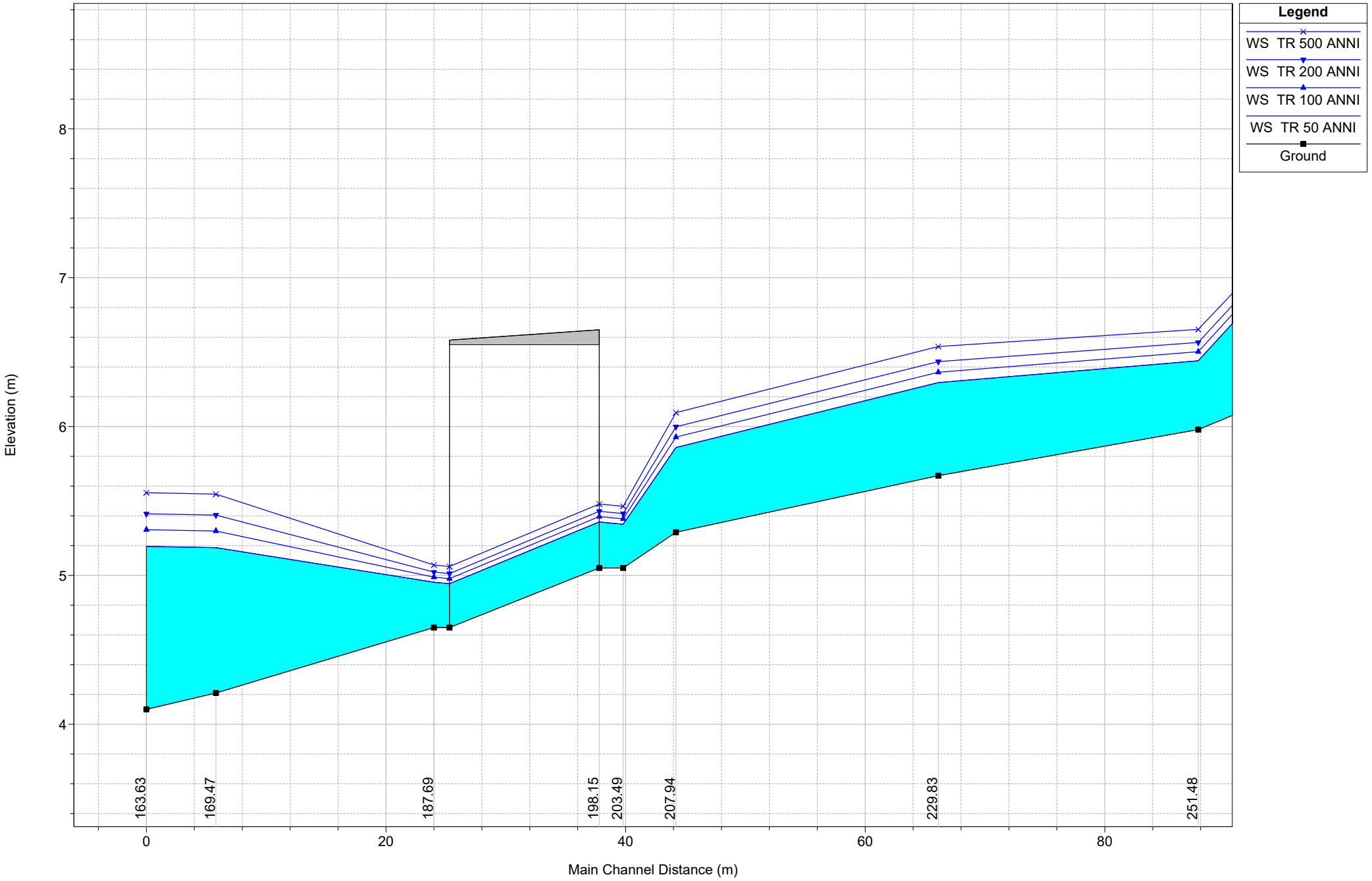
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

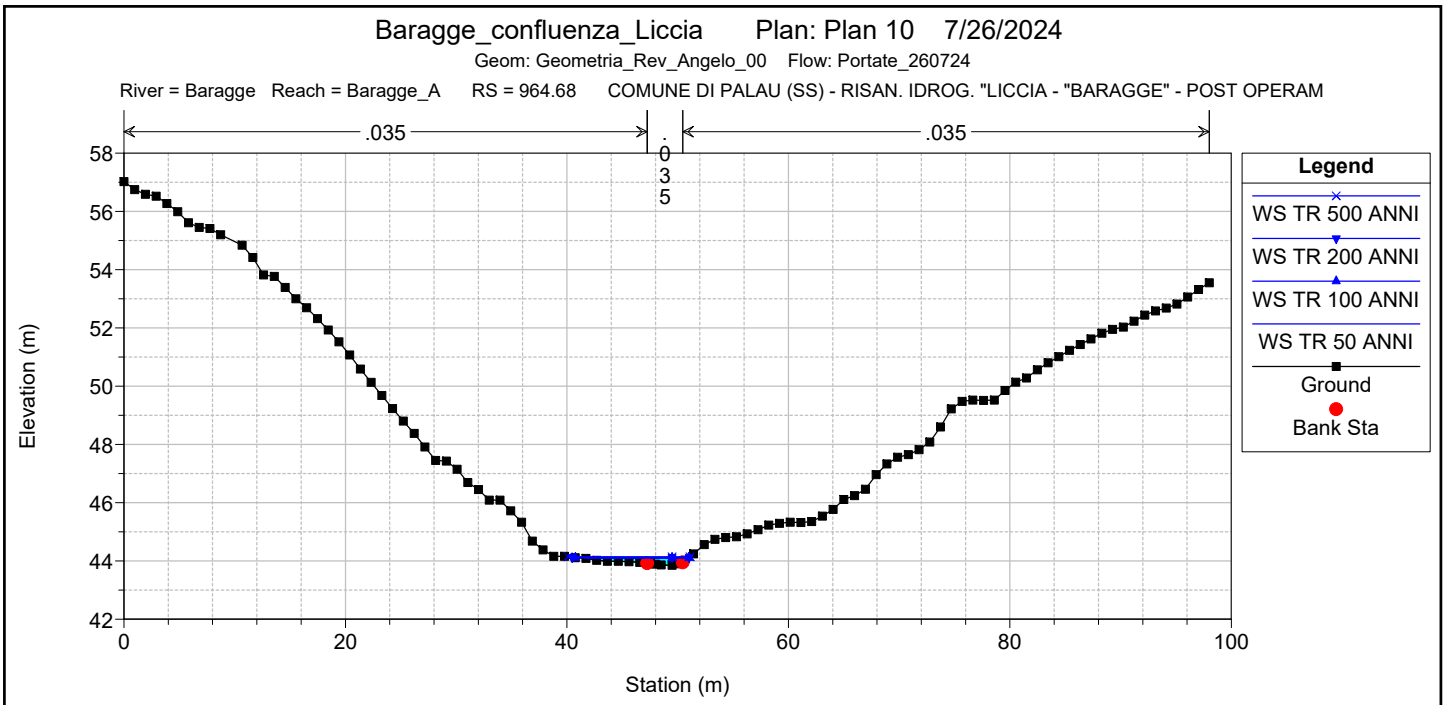
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

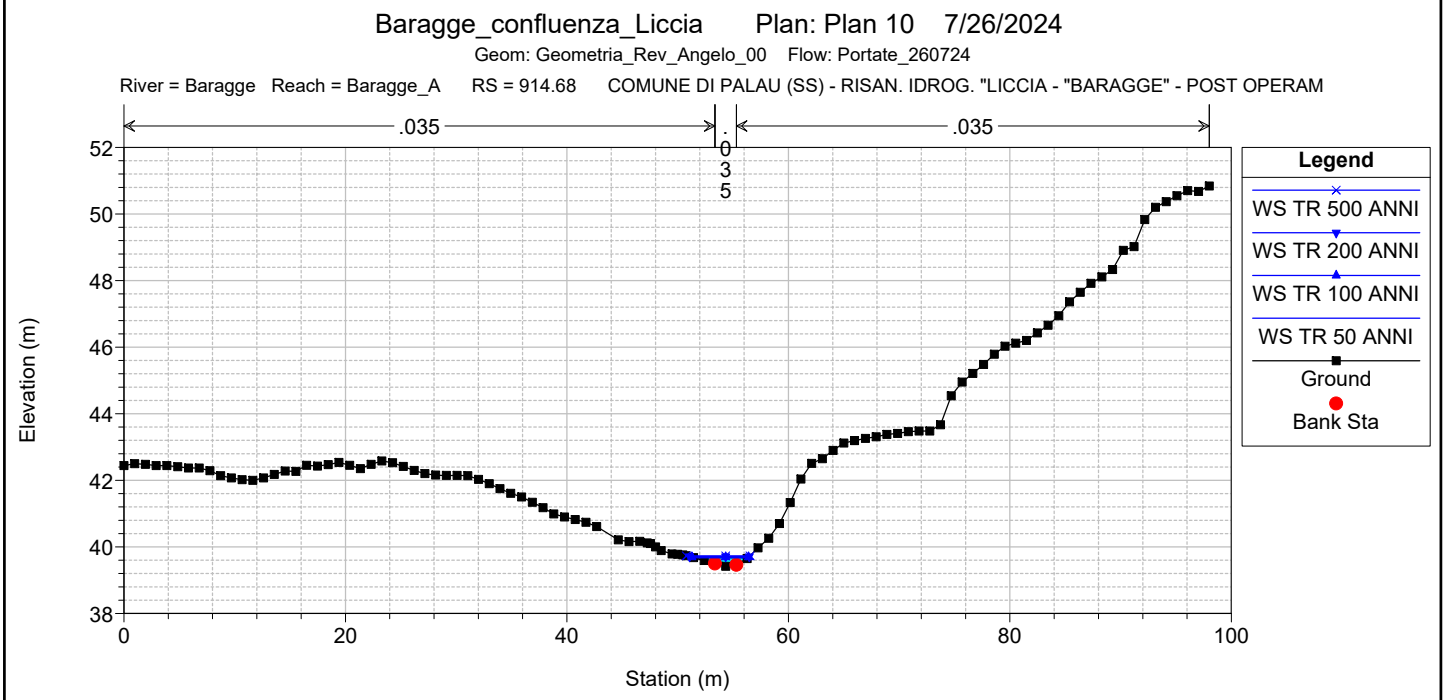


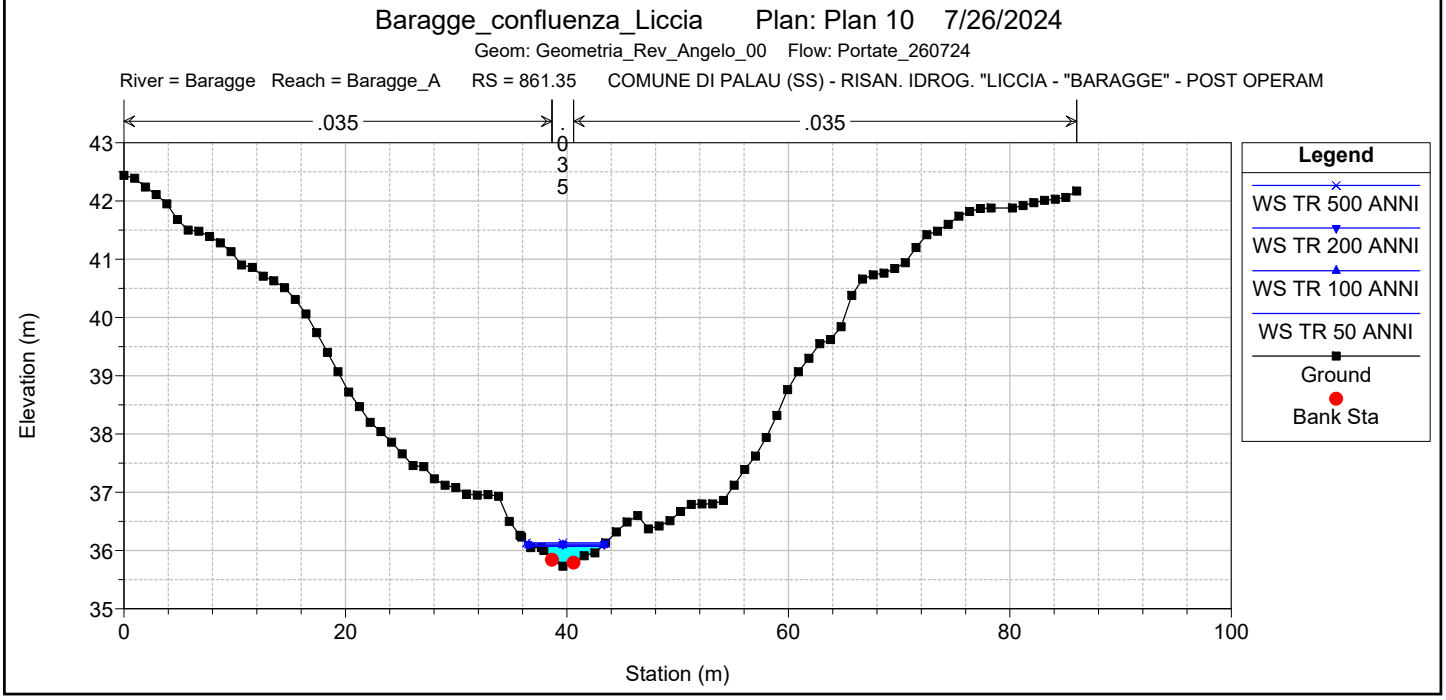
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

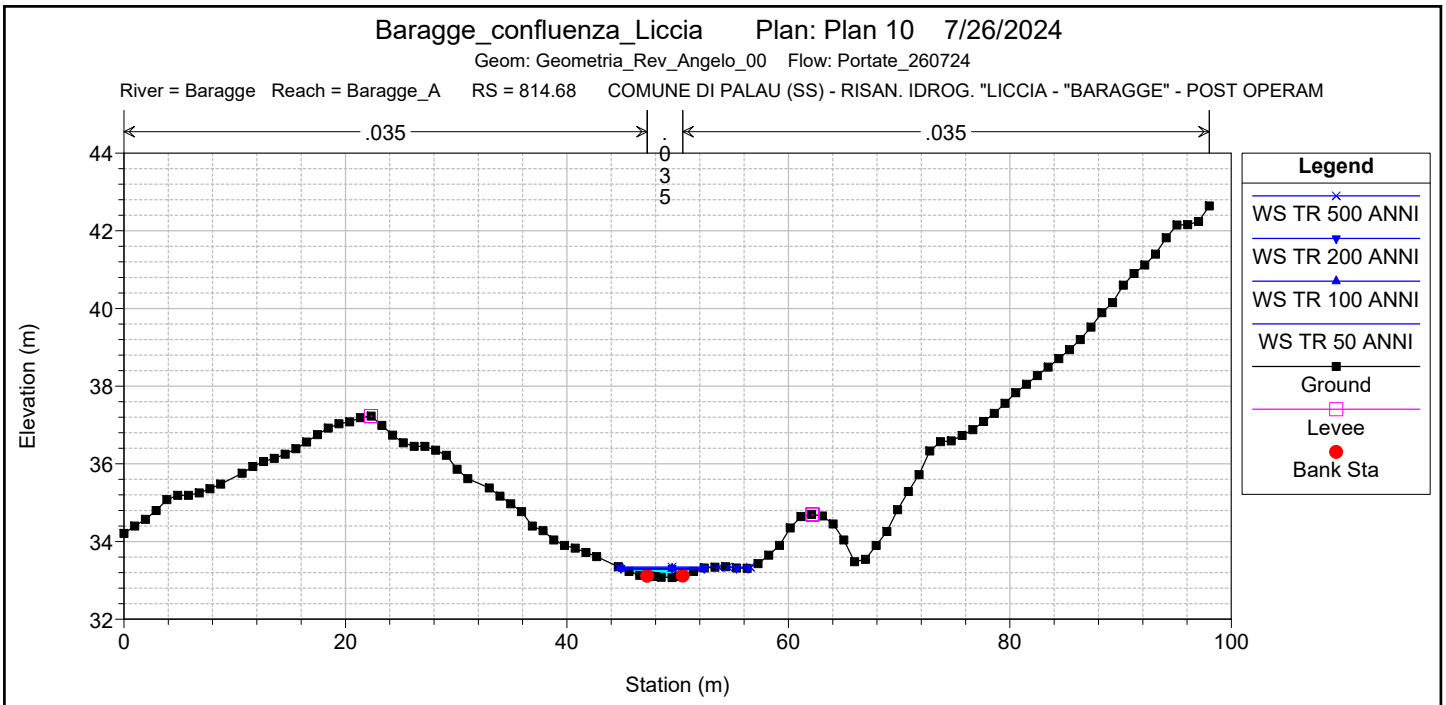
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

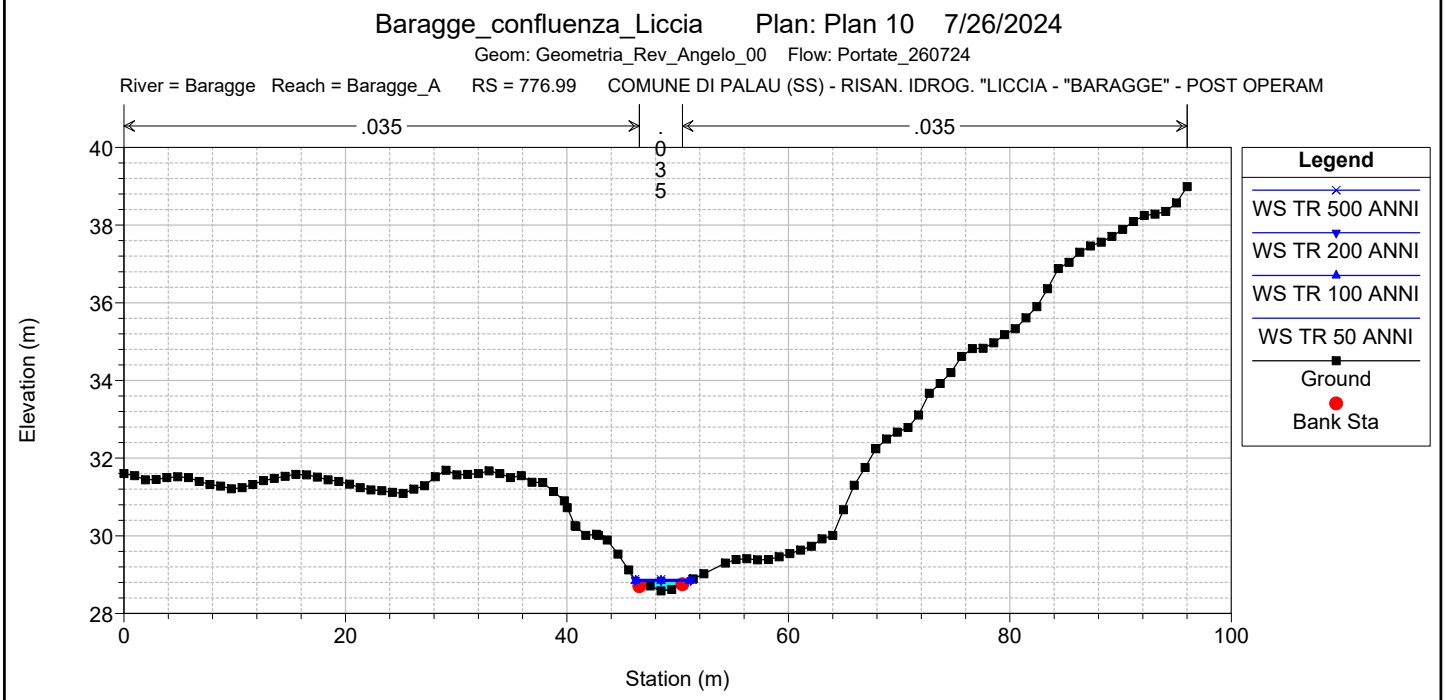


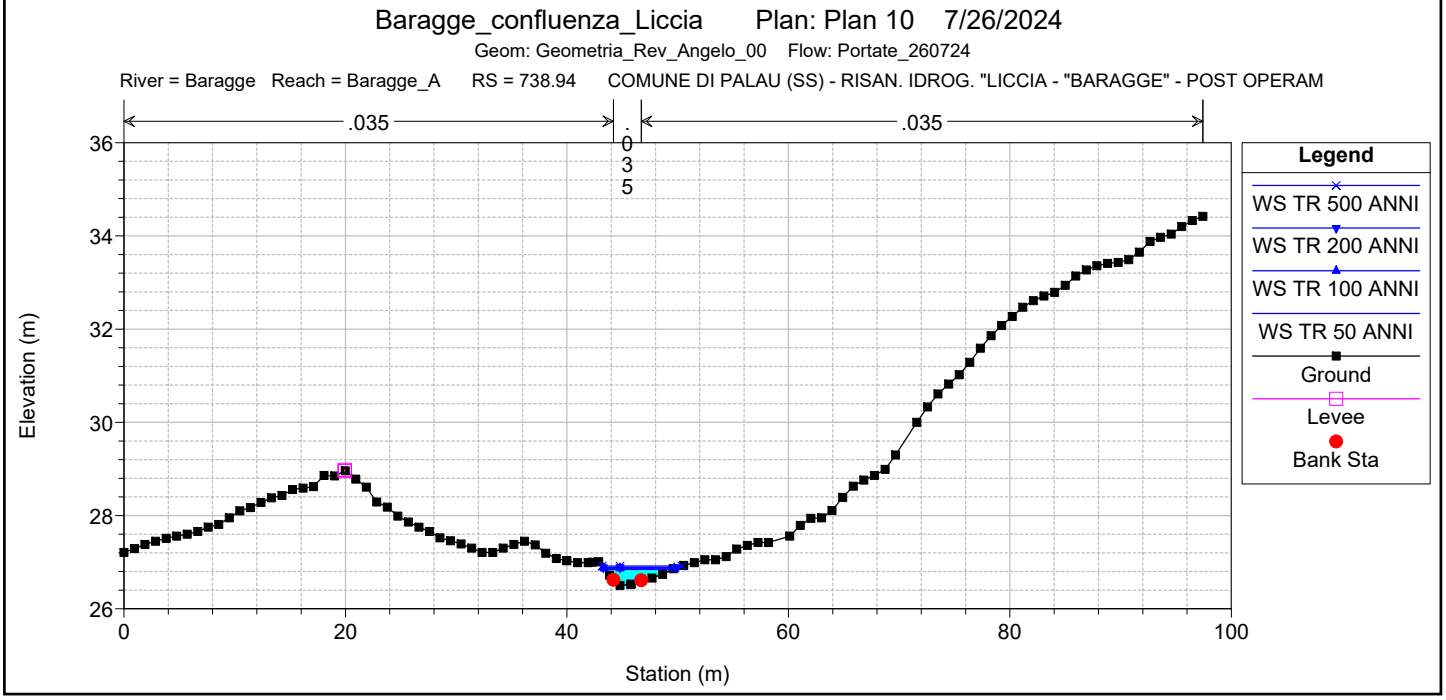

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 964.68 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Bank Sta

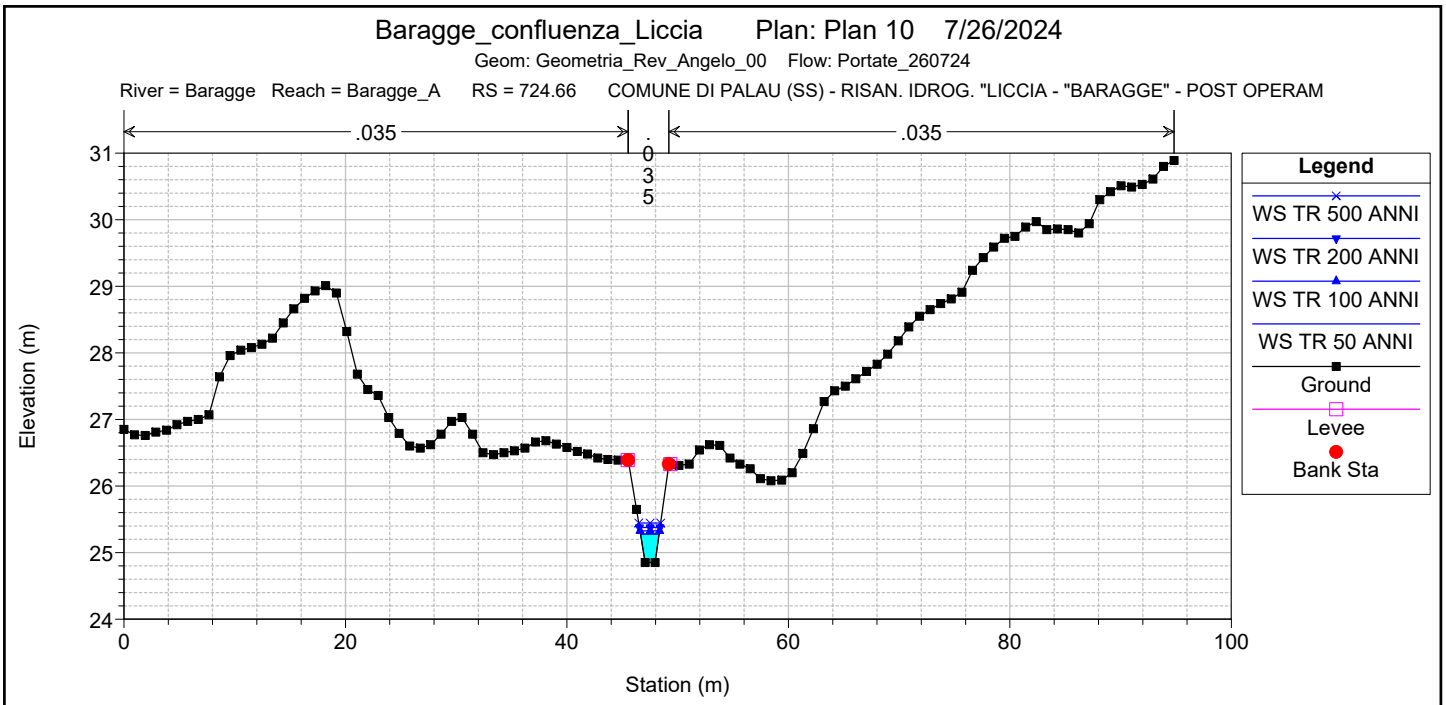

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 914.68 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Bank Sta

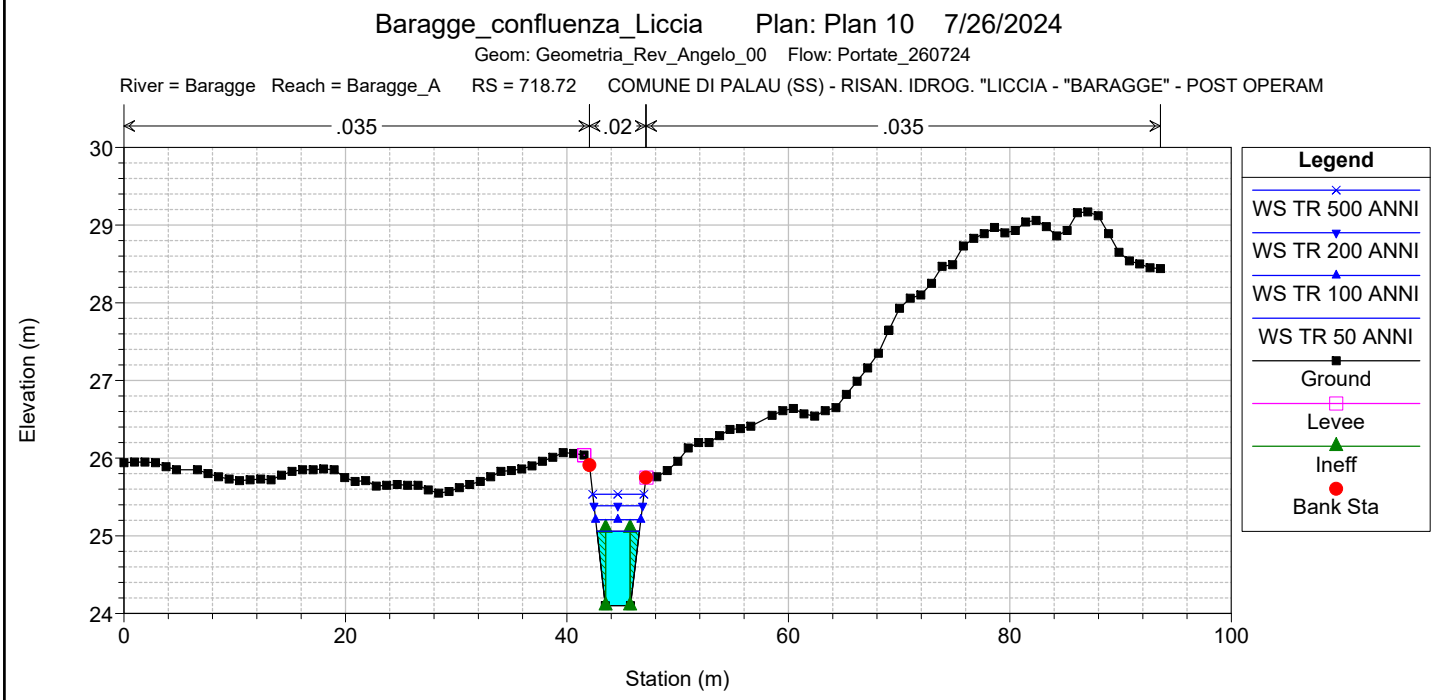

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 861.35 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Bank Sta

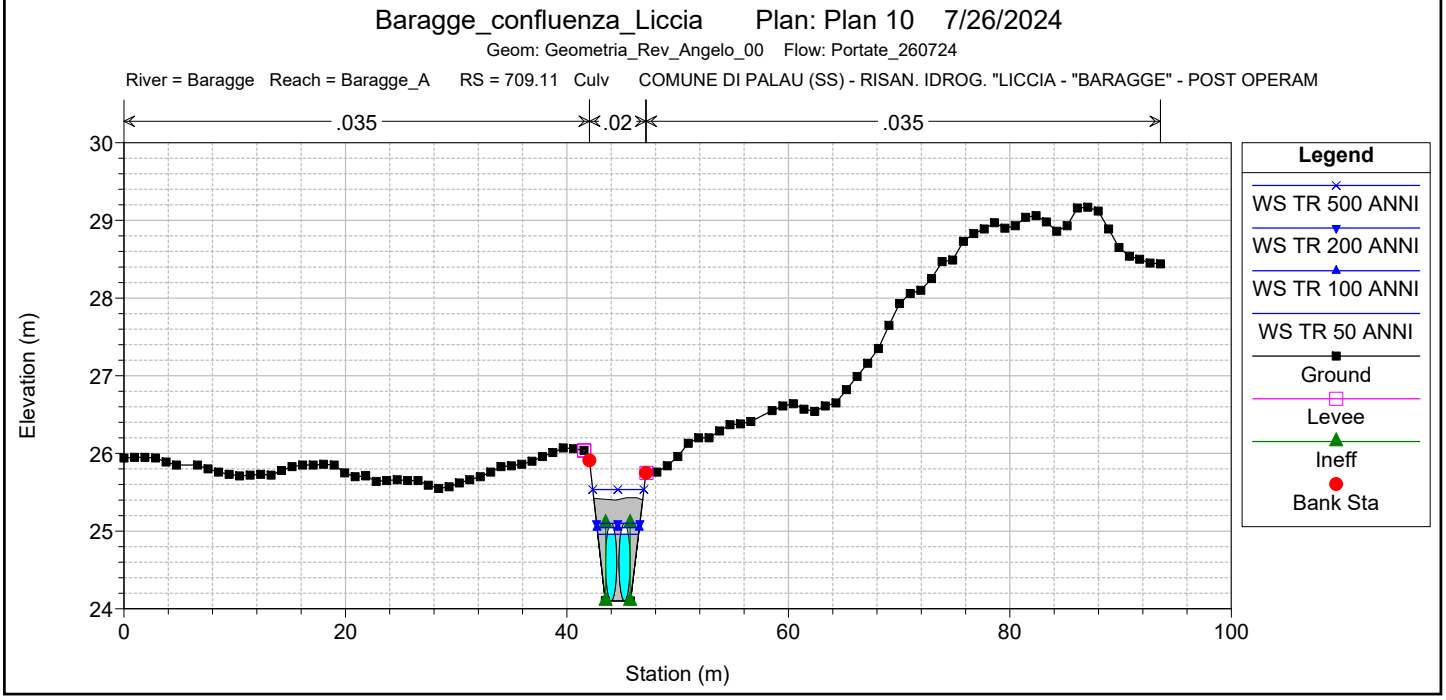

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 814.68 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

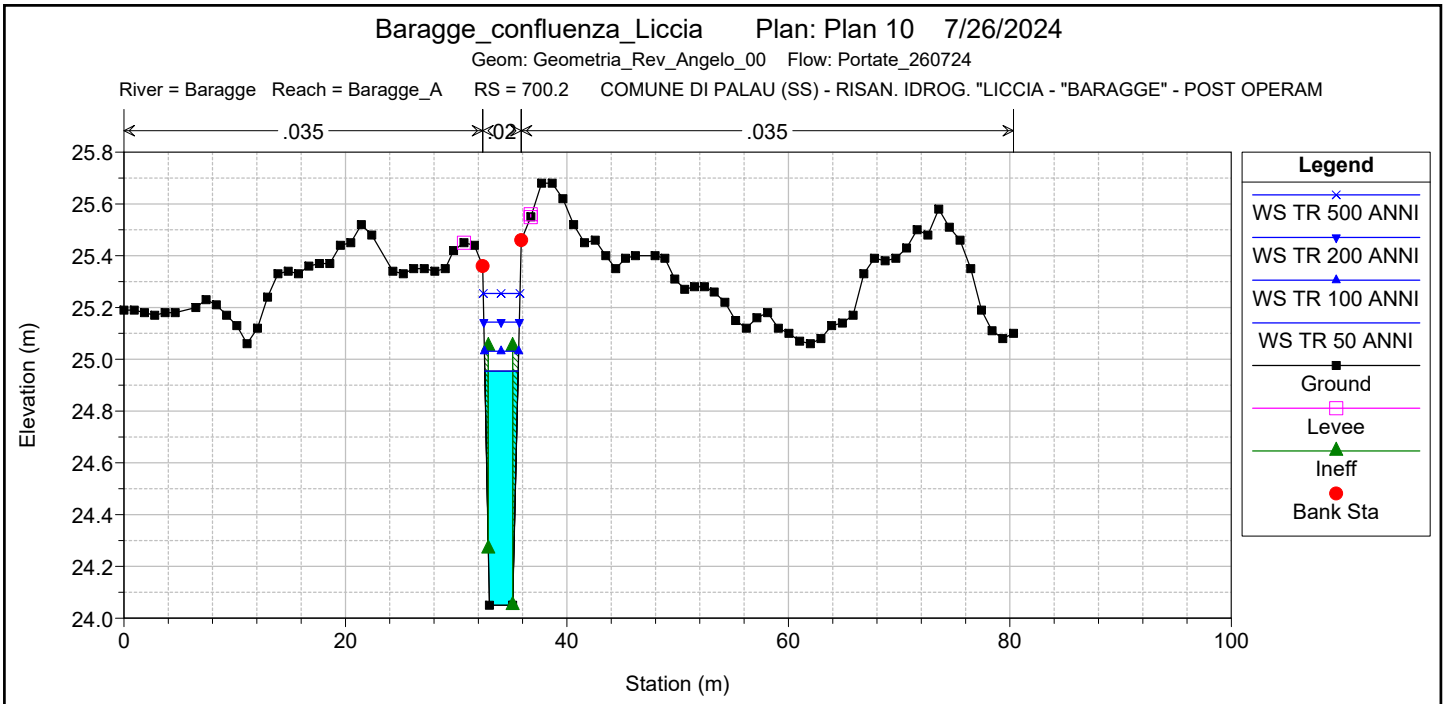

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 776.99 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Bank Sta

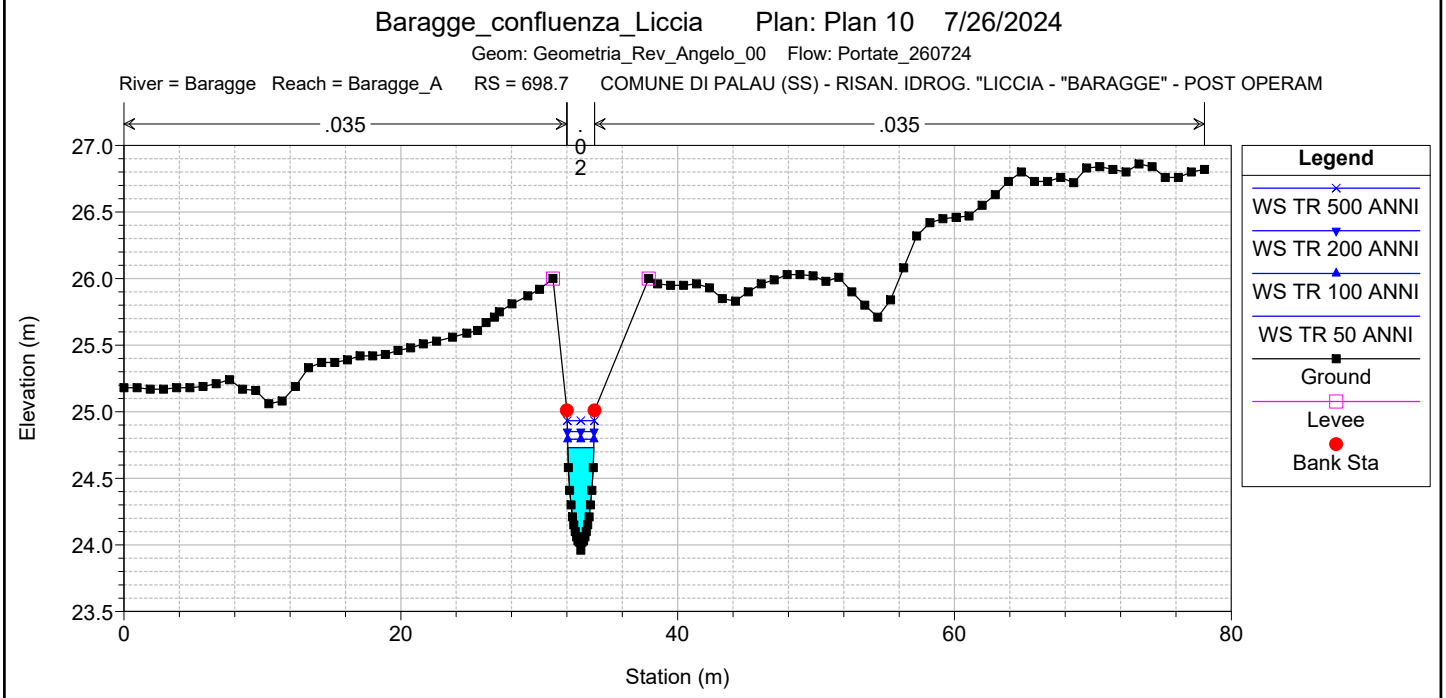

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 738.94 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

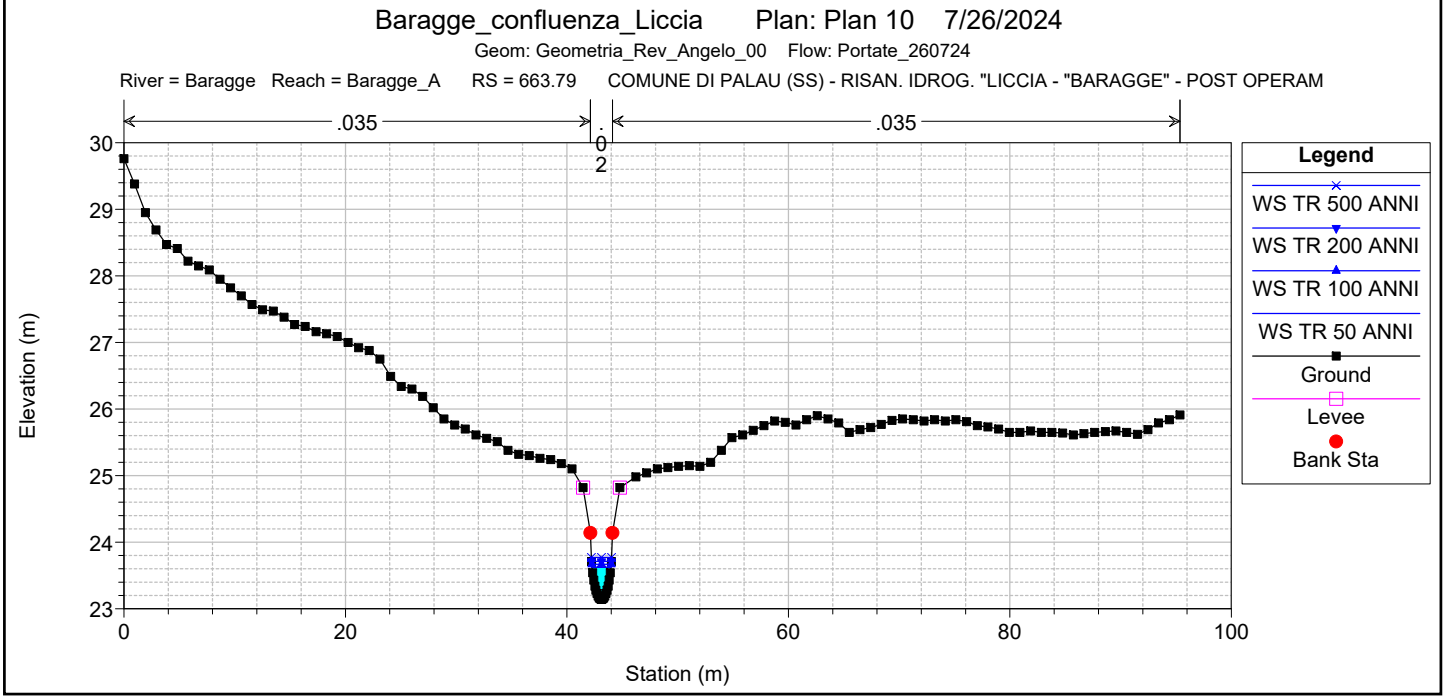

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 724.66 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

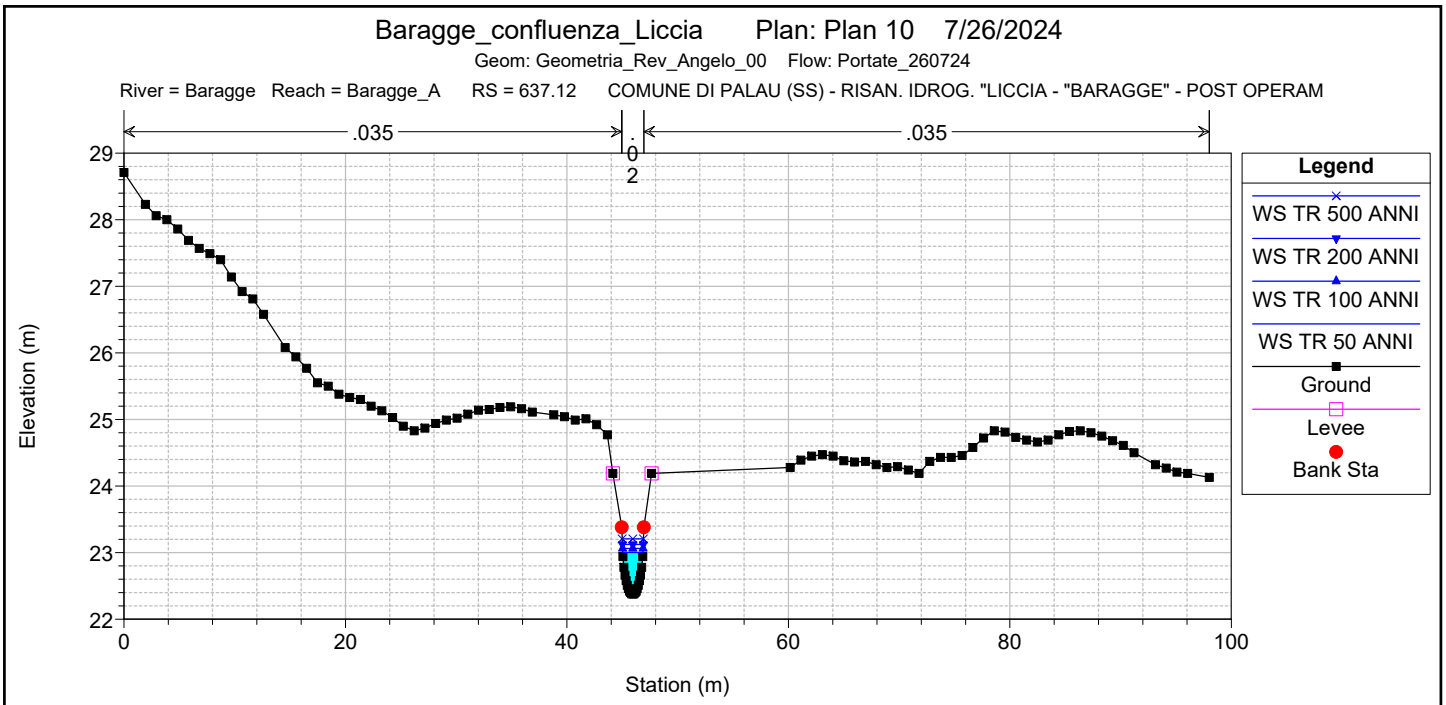

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 718.72 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Ineff
Bank Sta

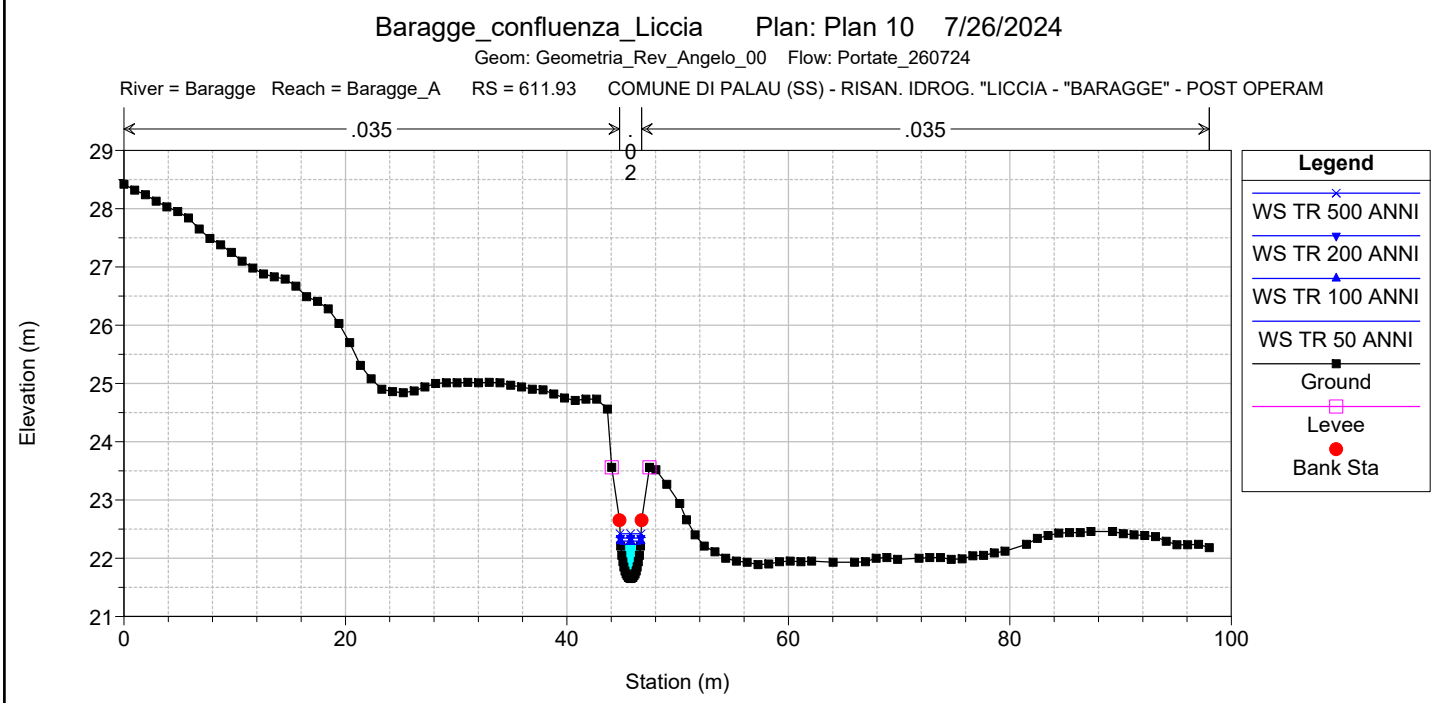

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 709.11 Culv COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Ineff
Bank Sta

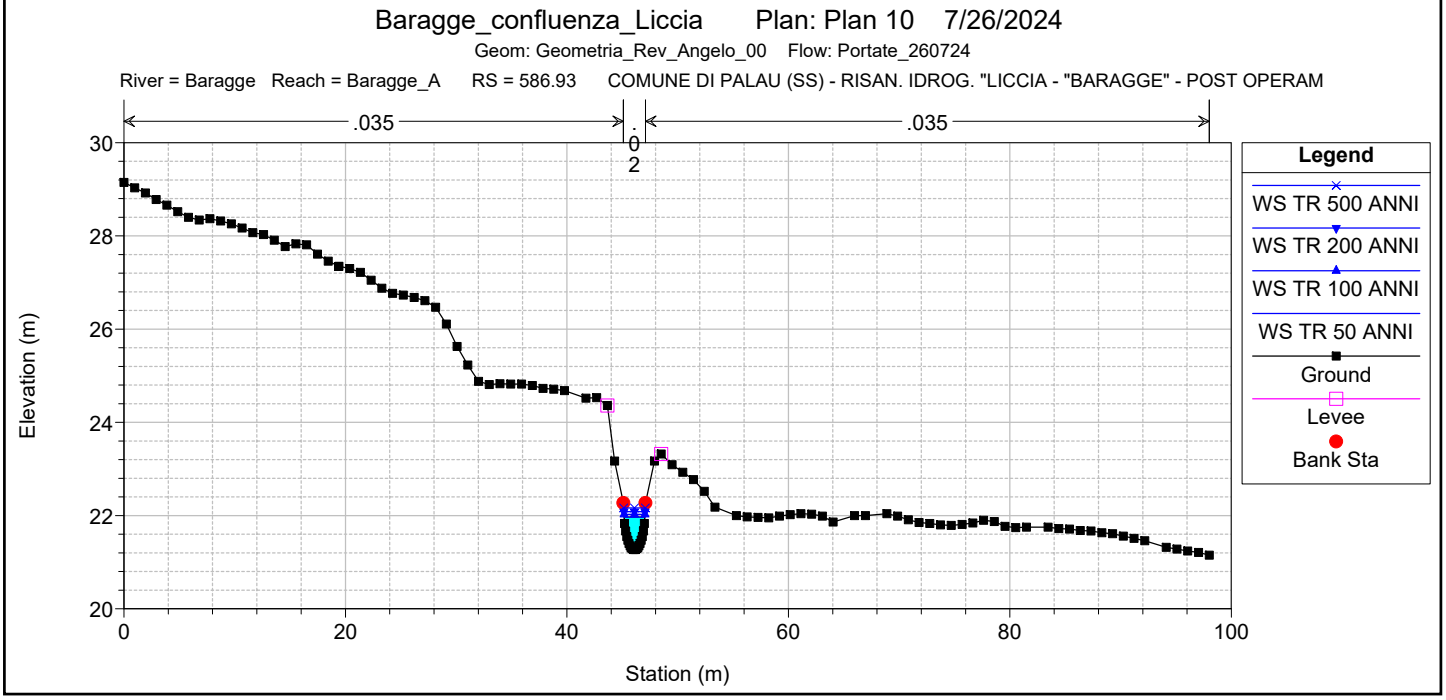

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 700.2 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Ineff
Bank Sta

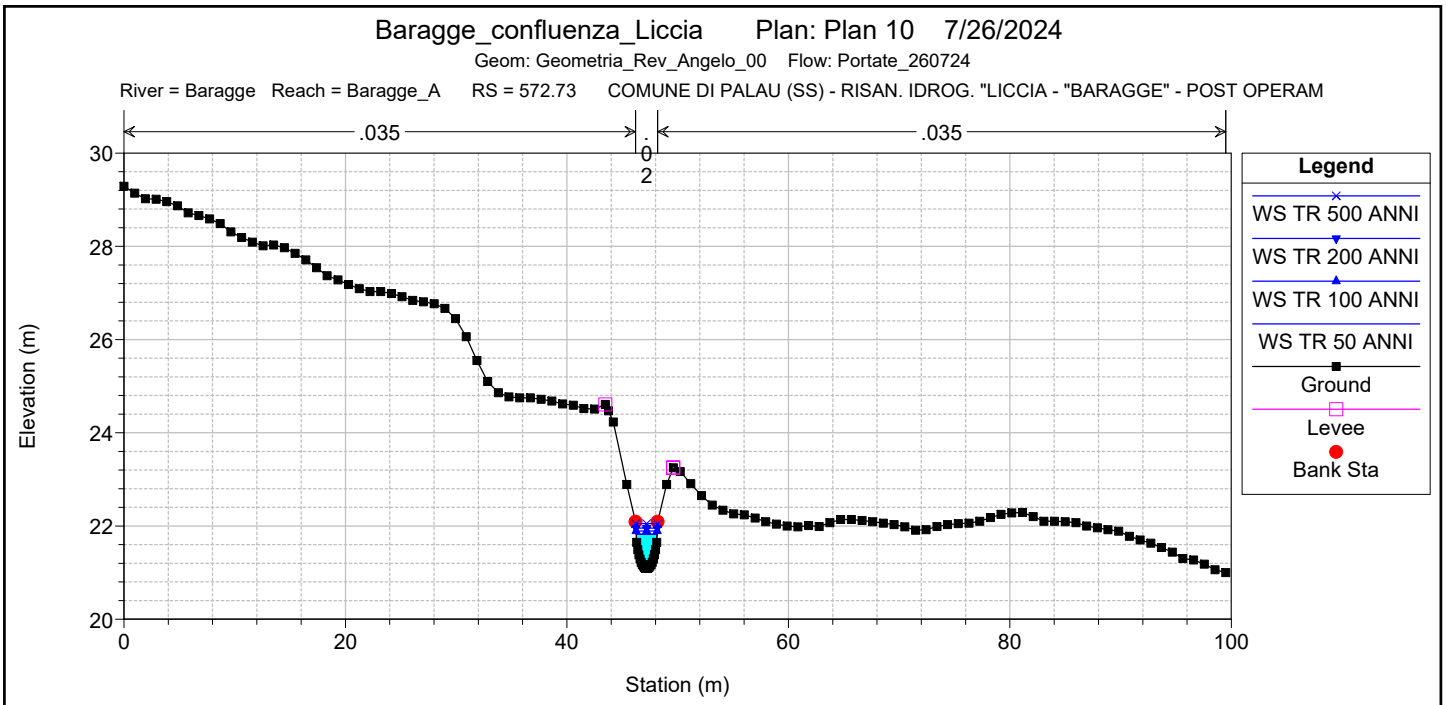

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 698.7 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

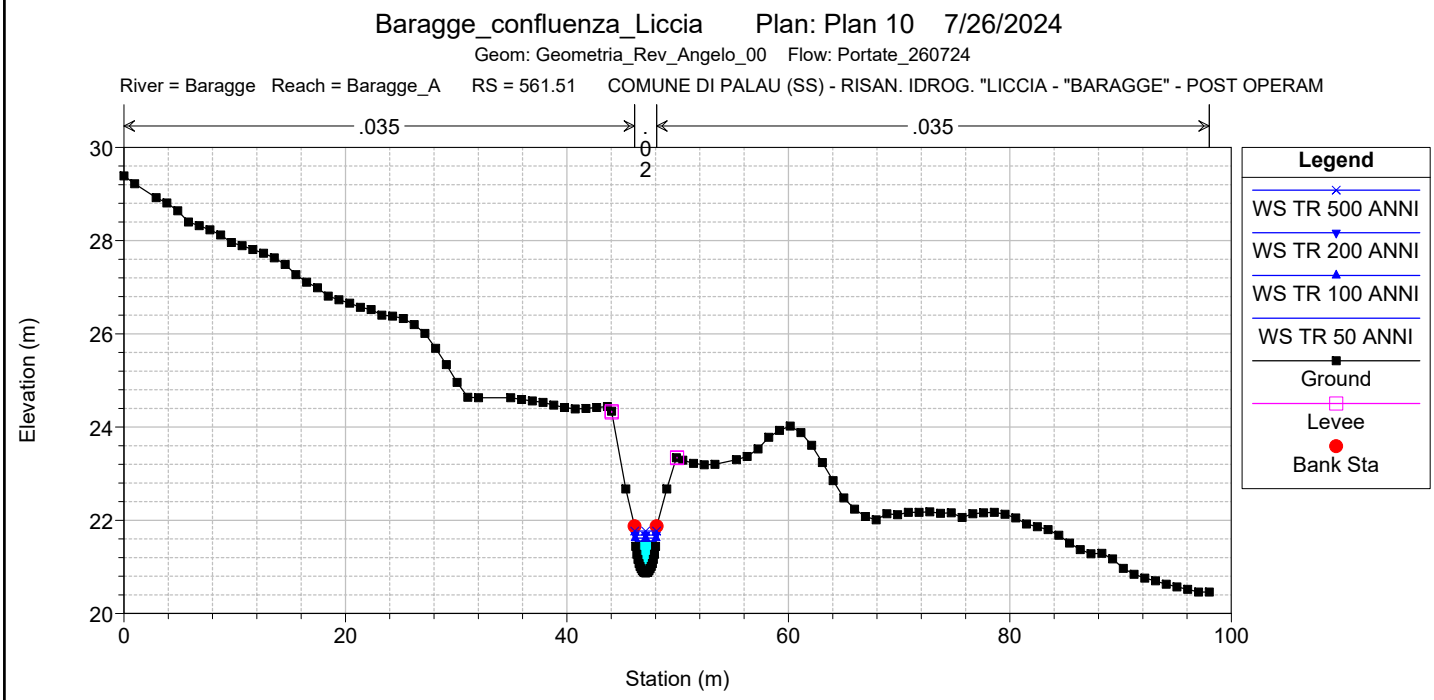

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 663.79 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

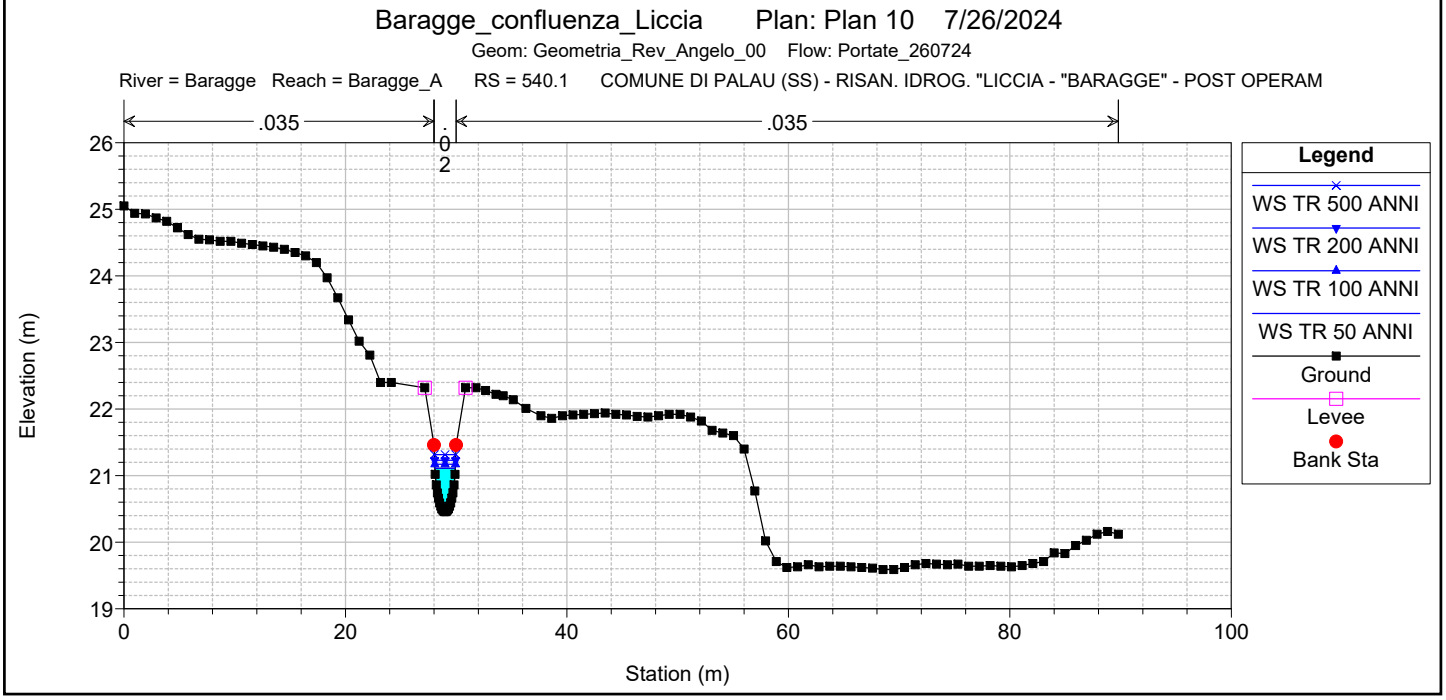

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 637.12 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

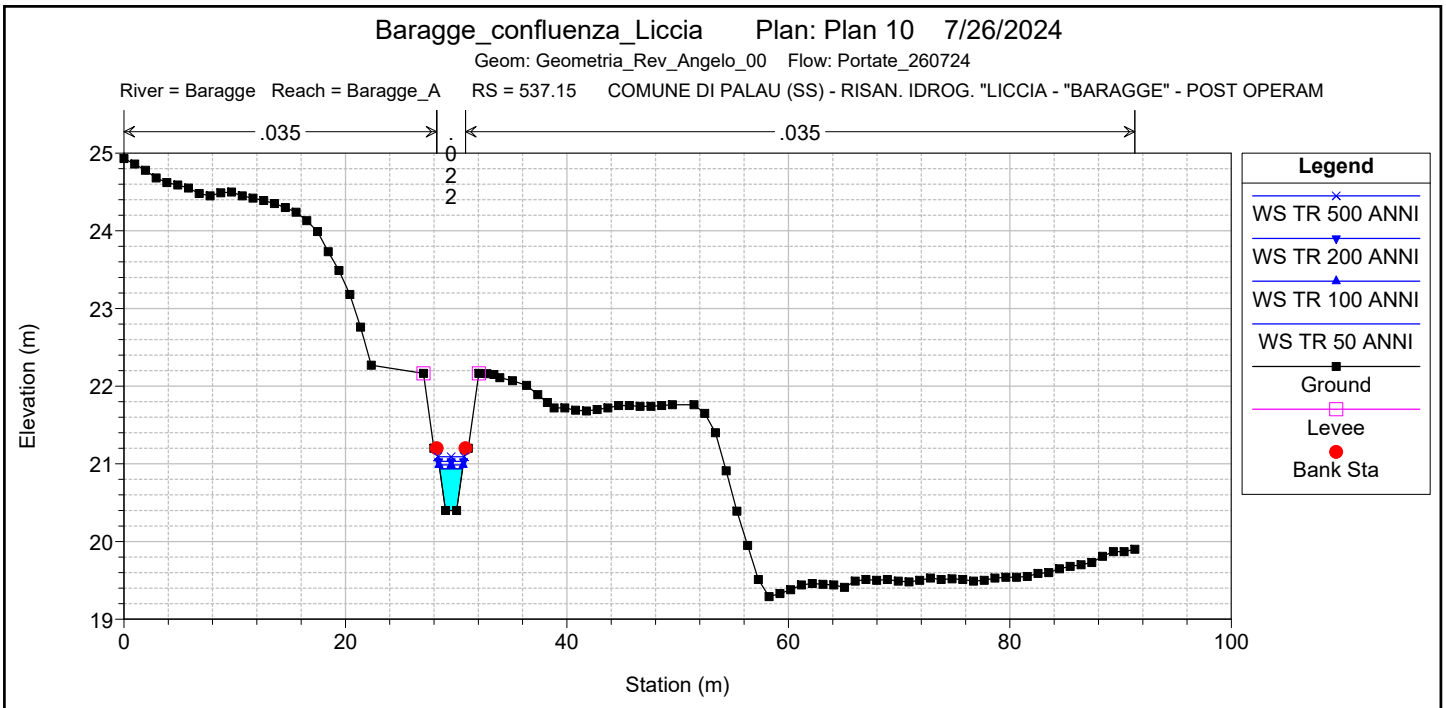

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 611.93 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

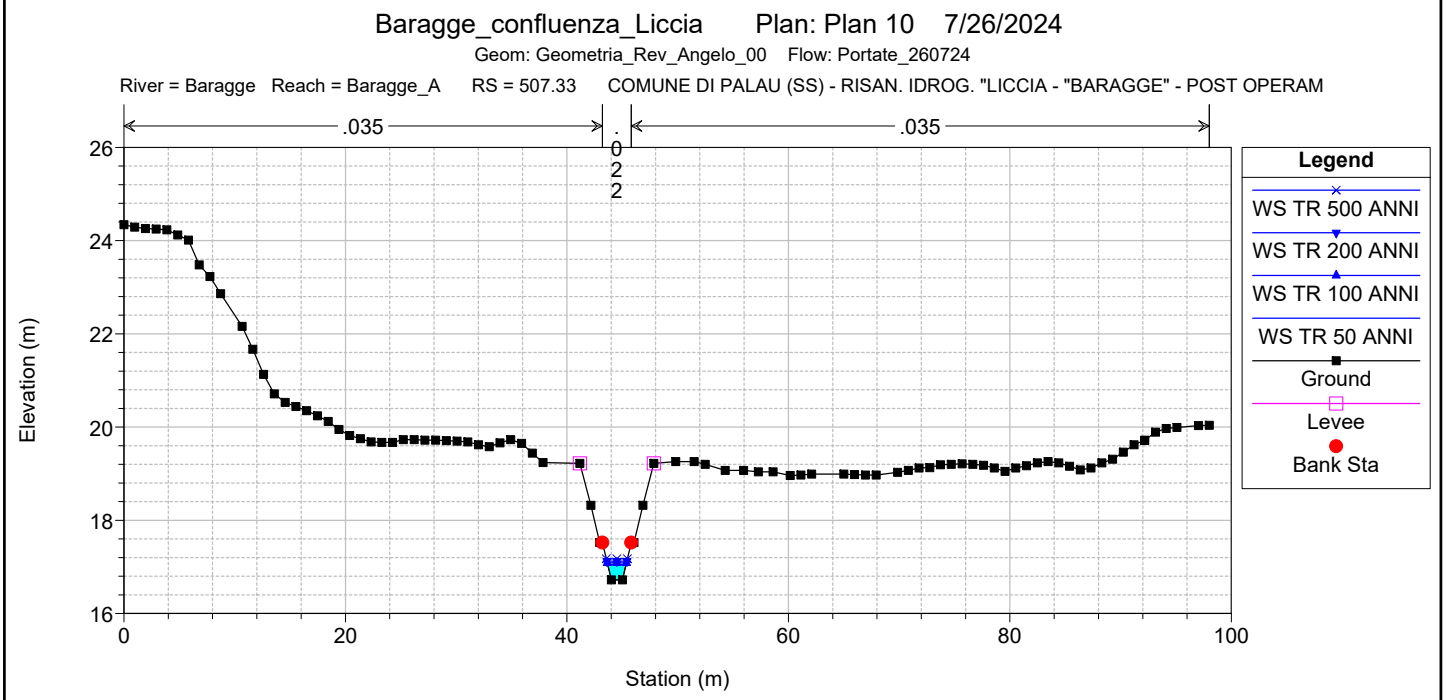

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 586.93 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

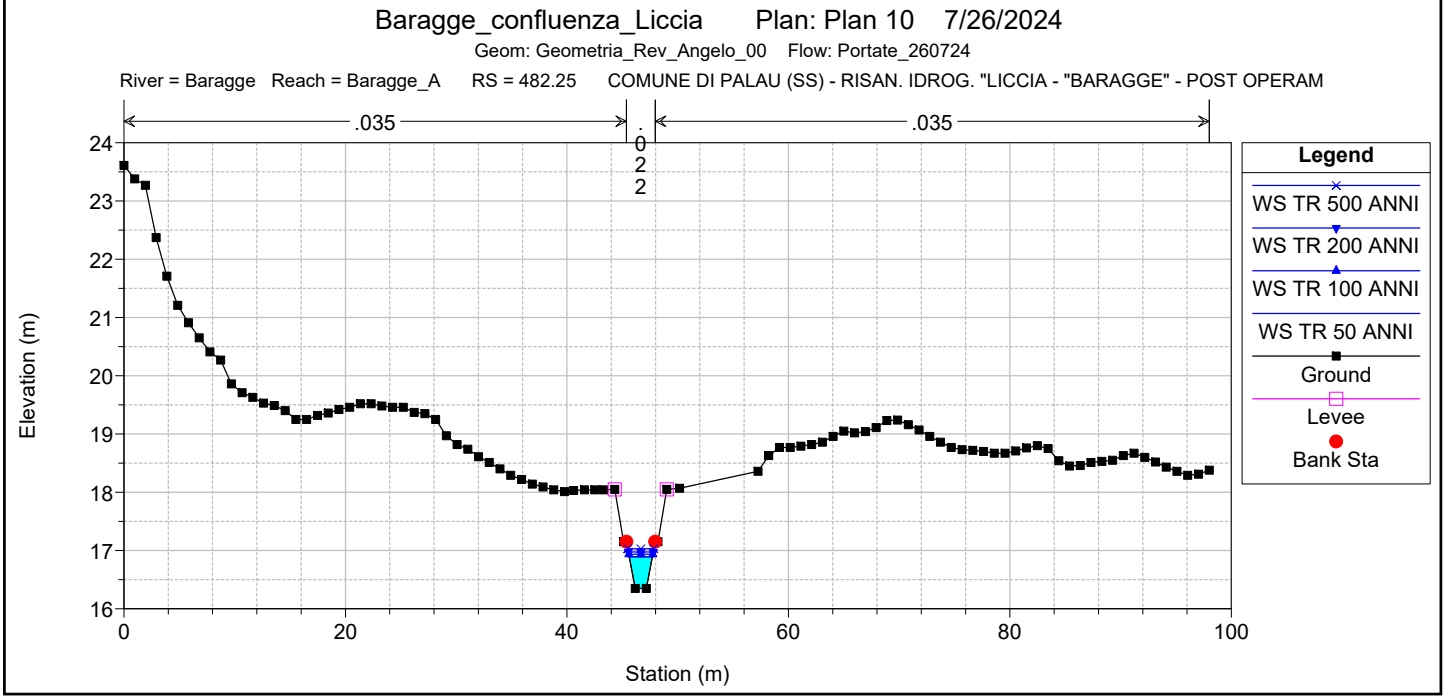

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 572.73 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

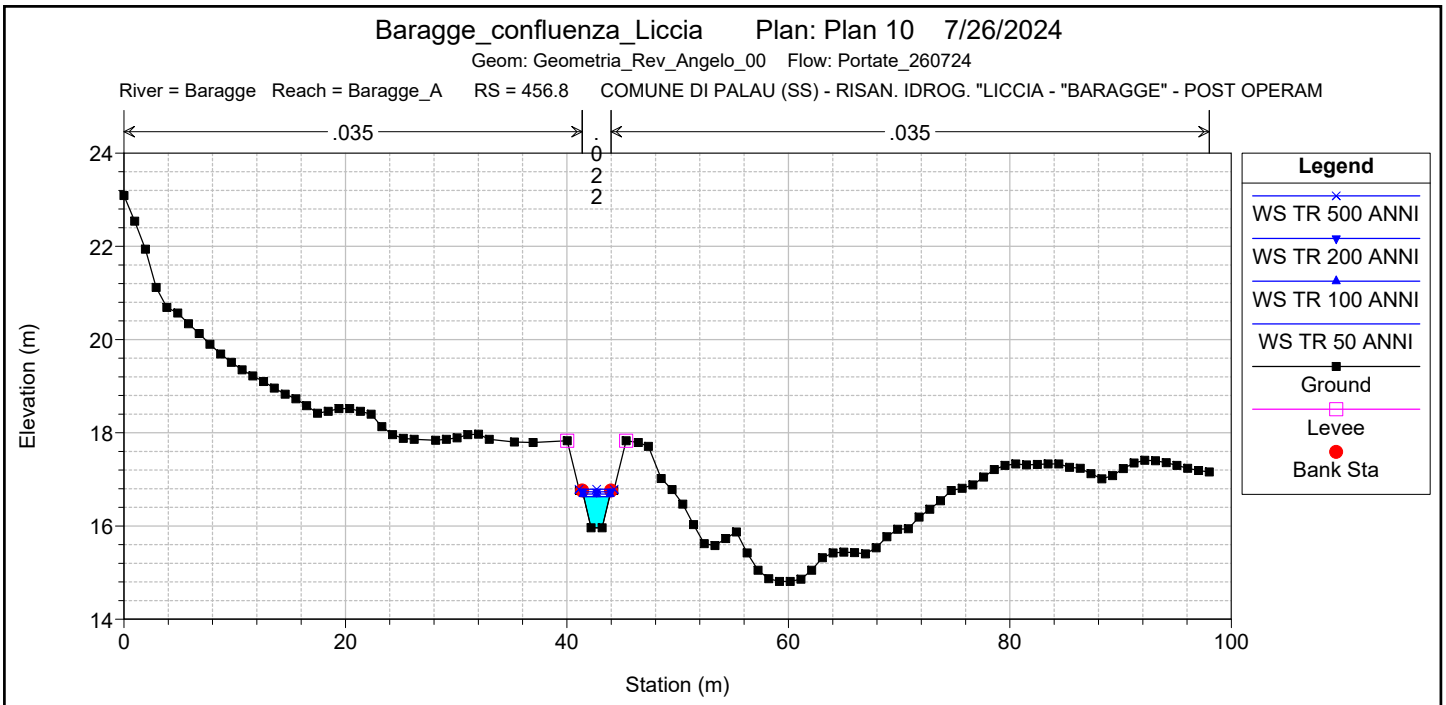

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 561.51 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

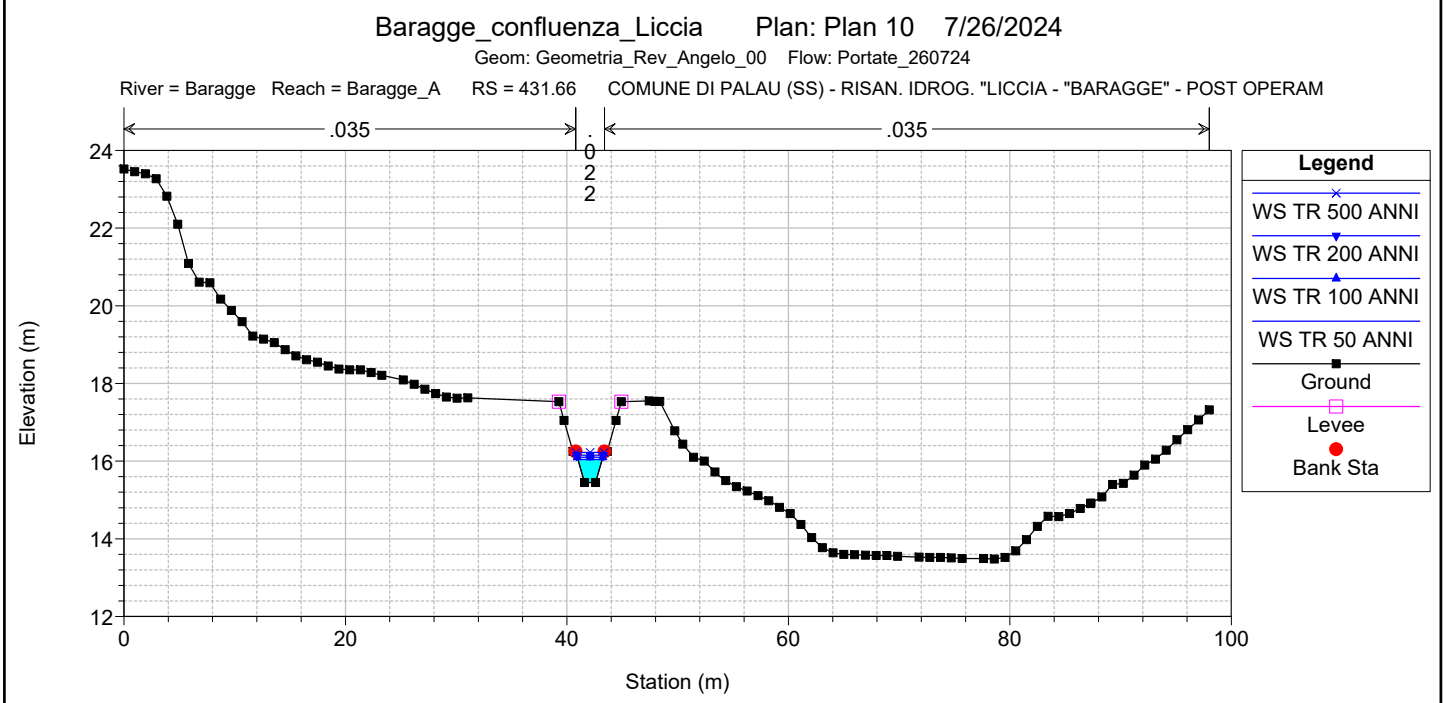

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 540.1 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

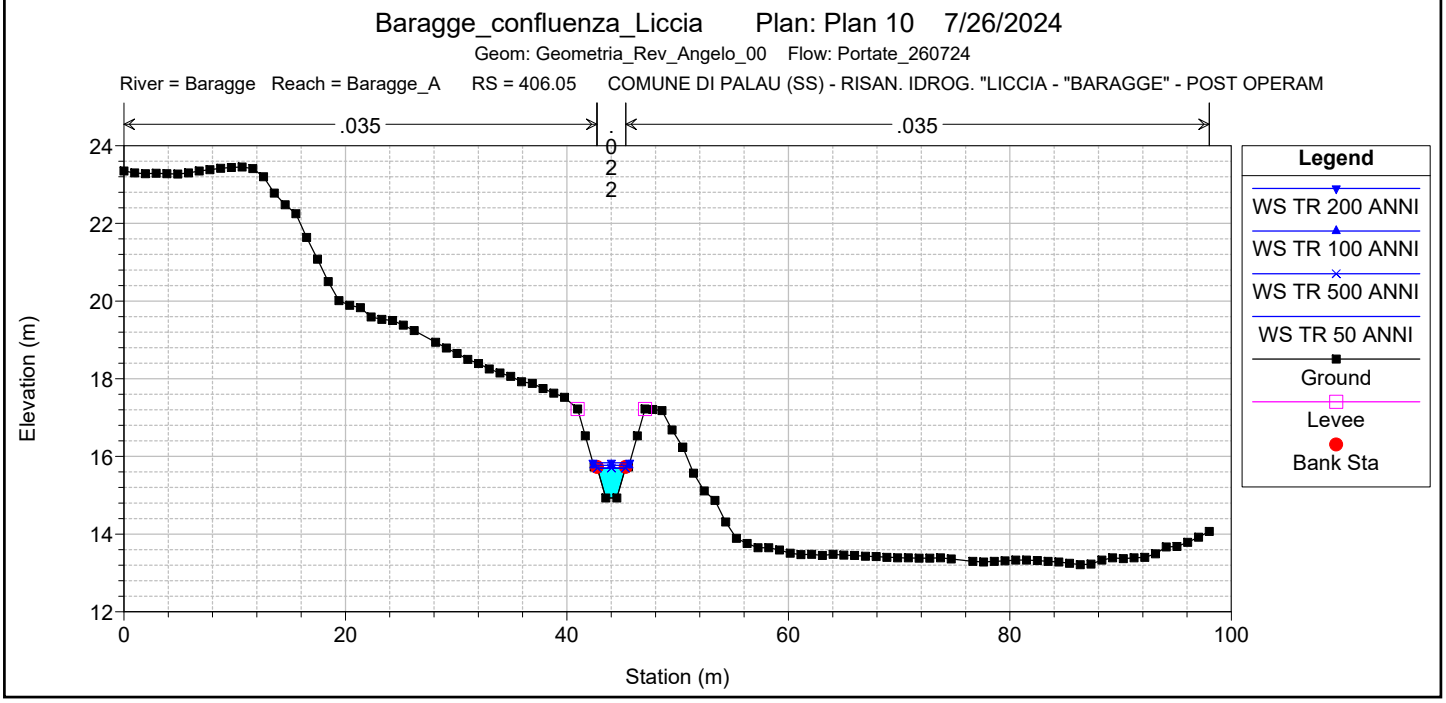

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 537.15 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

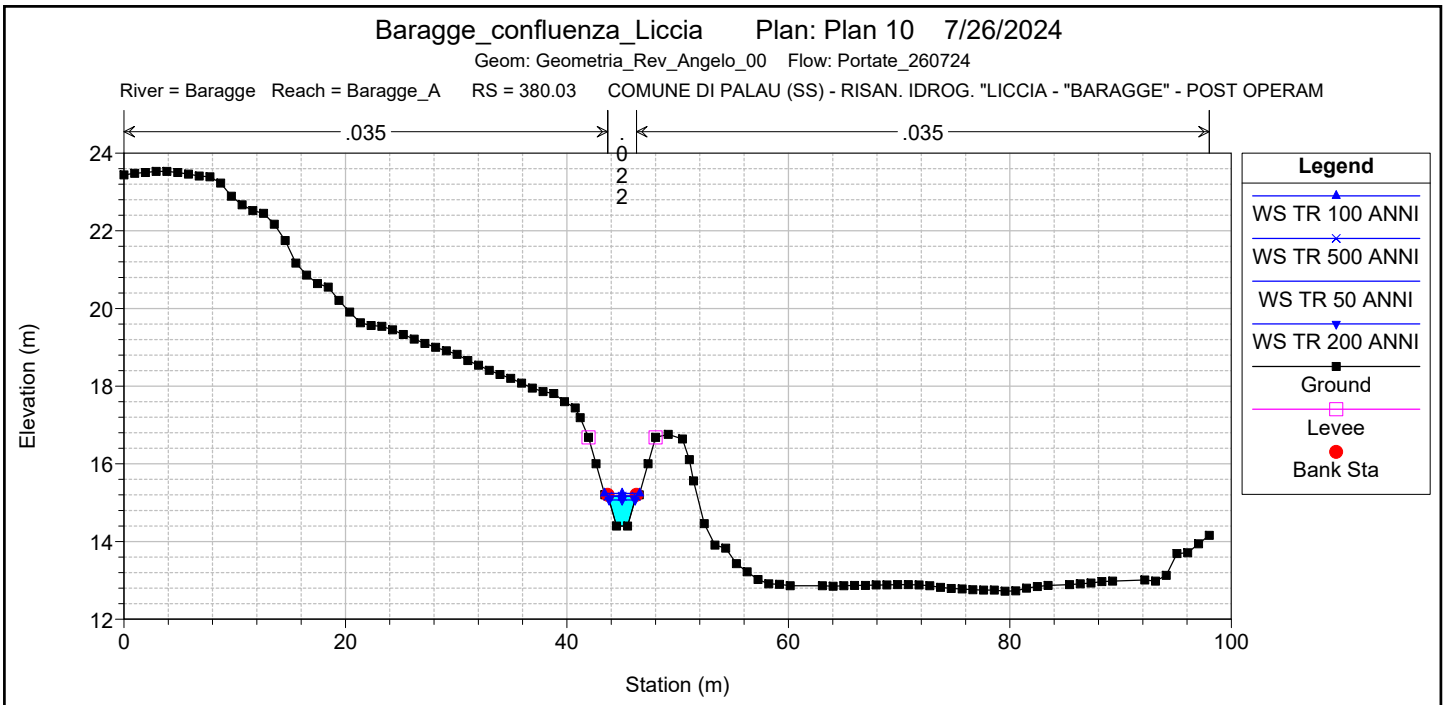

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 507.33 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

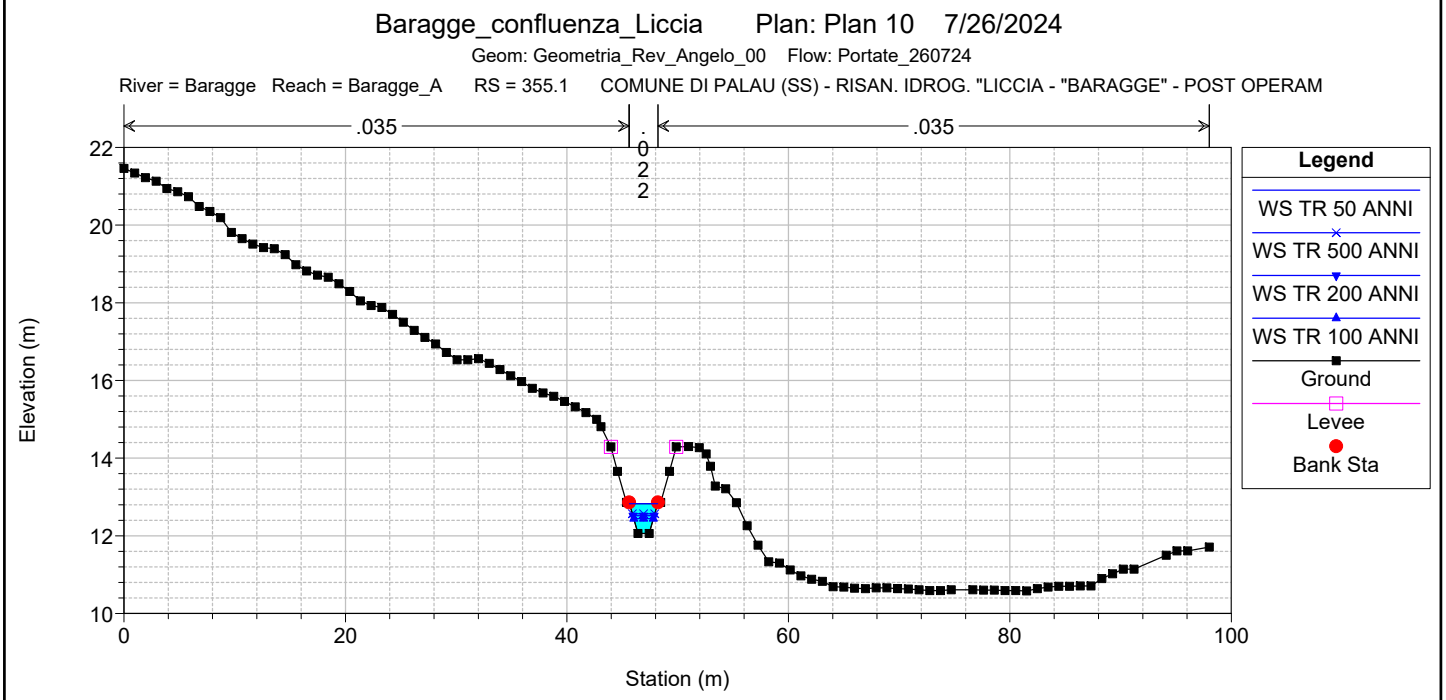

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 482.25 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

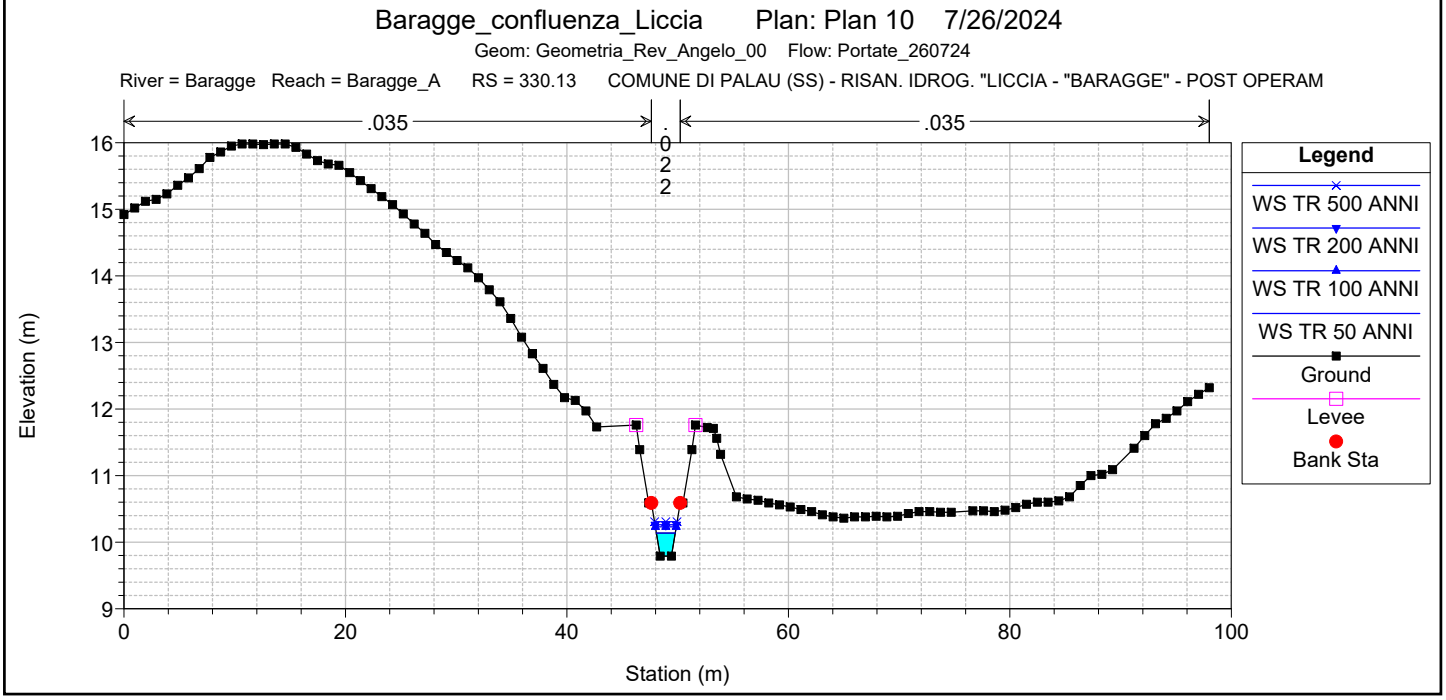

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 456.8 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

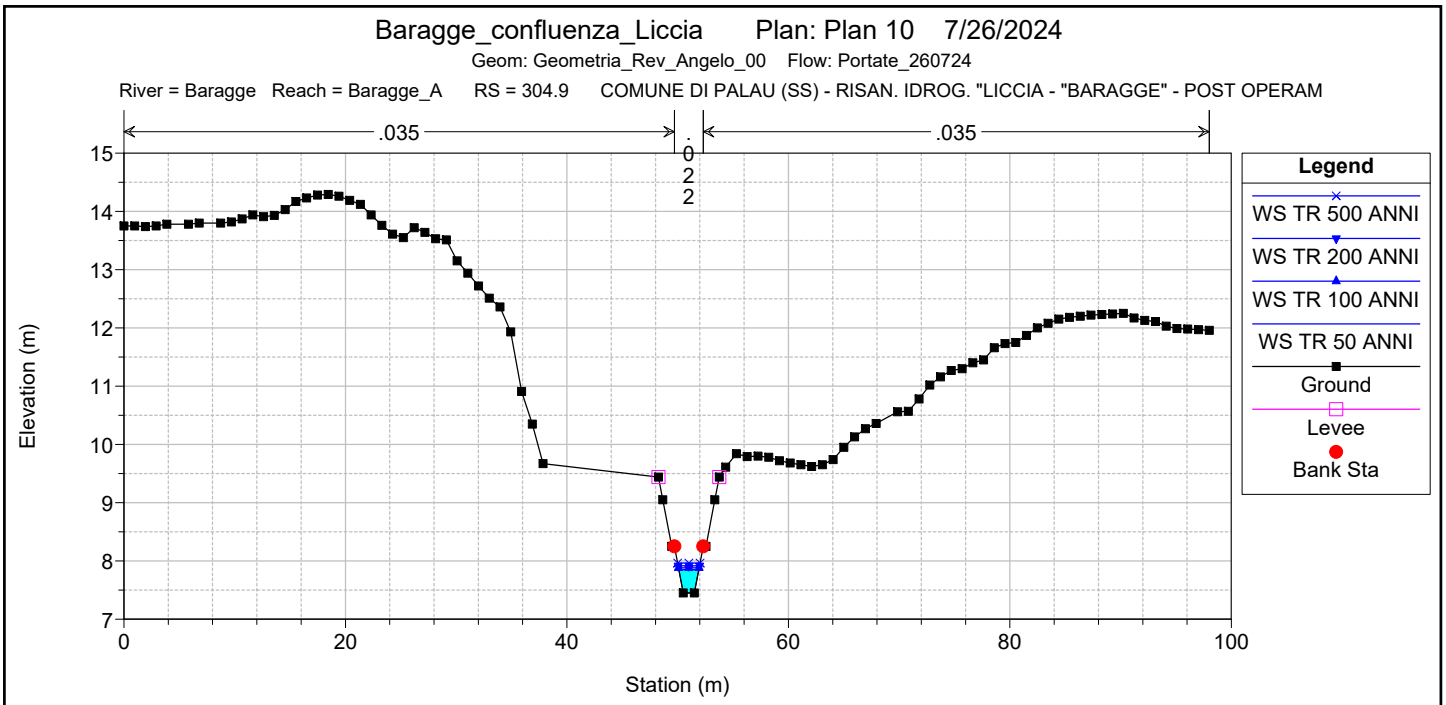

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 431.66 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

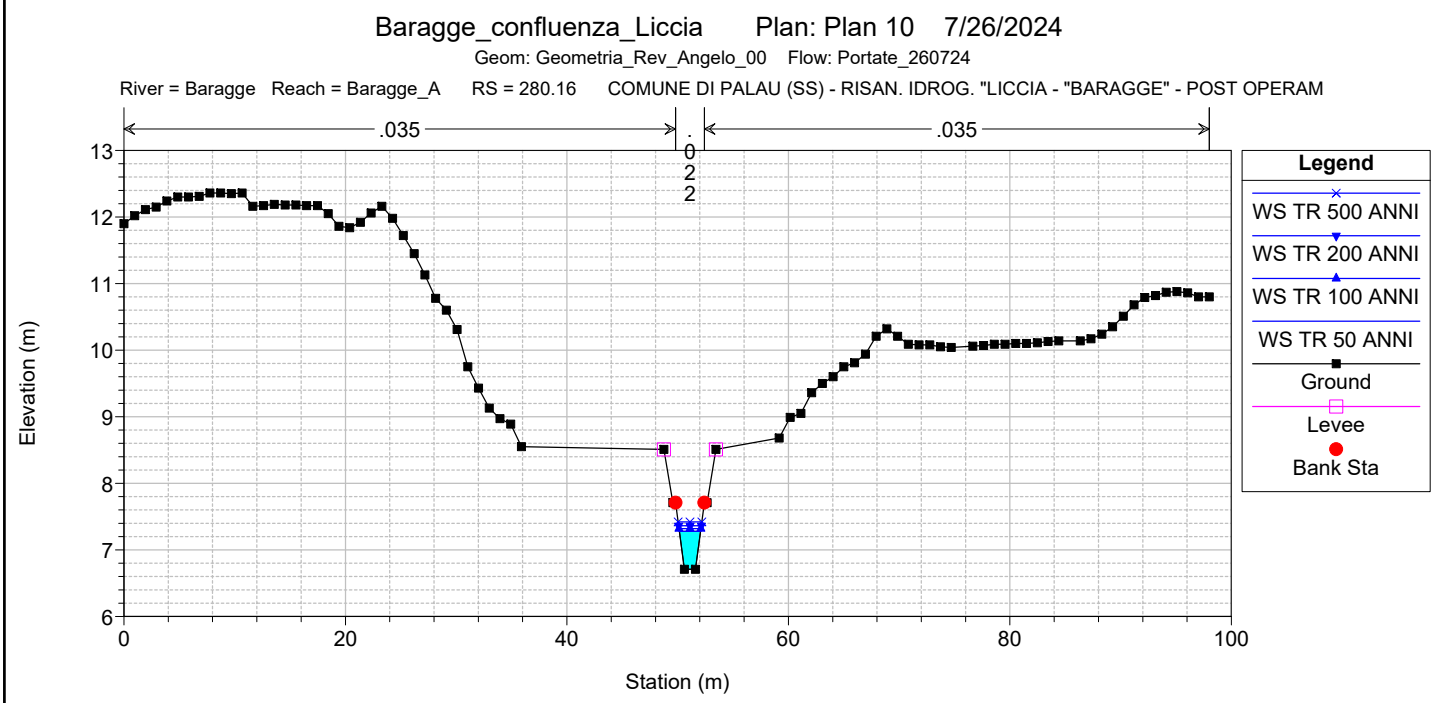

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 406.05 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 500 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

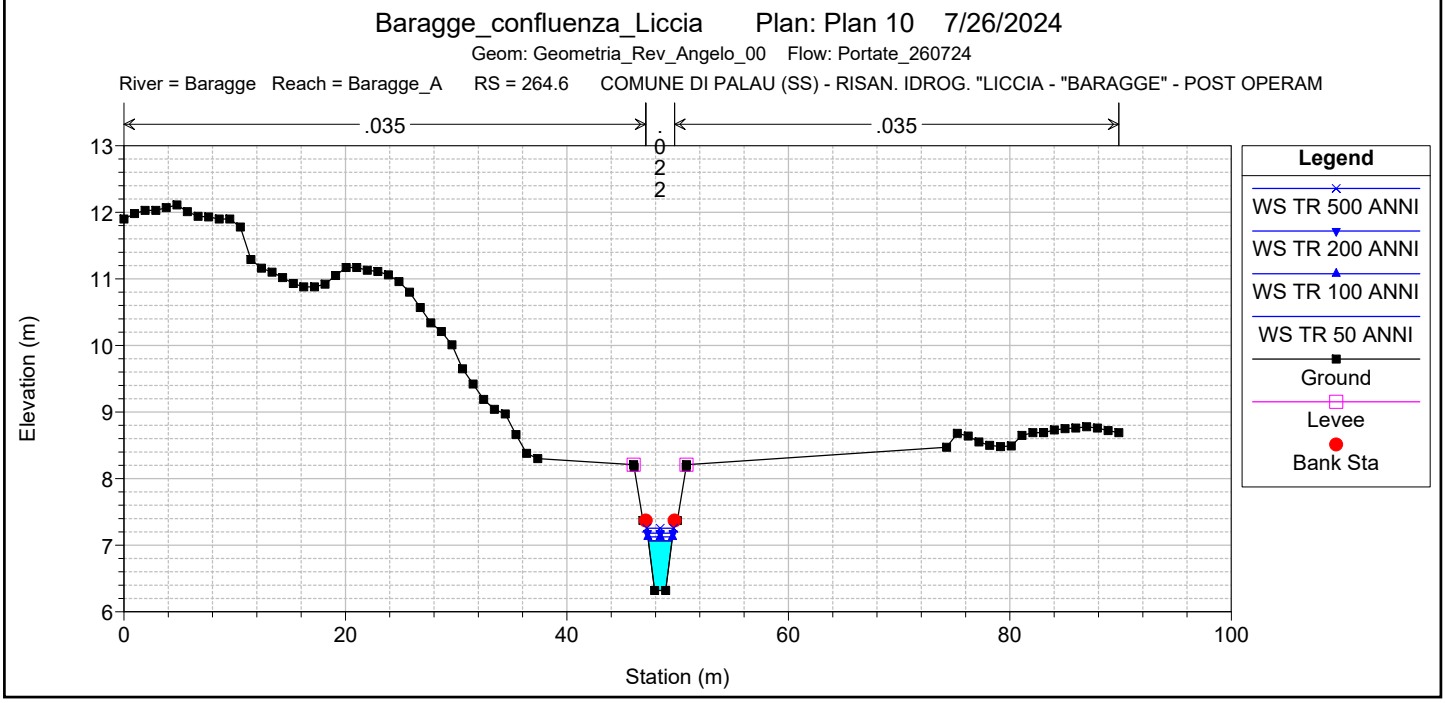

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 380.03 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.022
Elevation (m)
Station (m)
Legend
WS TR 100 ANNI
WS TR 500 ANNI
WS TR 50 ANNI
WS TR 200 ANNI
Ground
Levee
Bank Sta

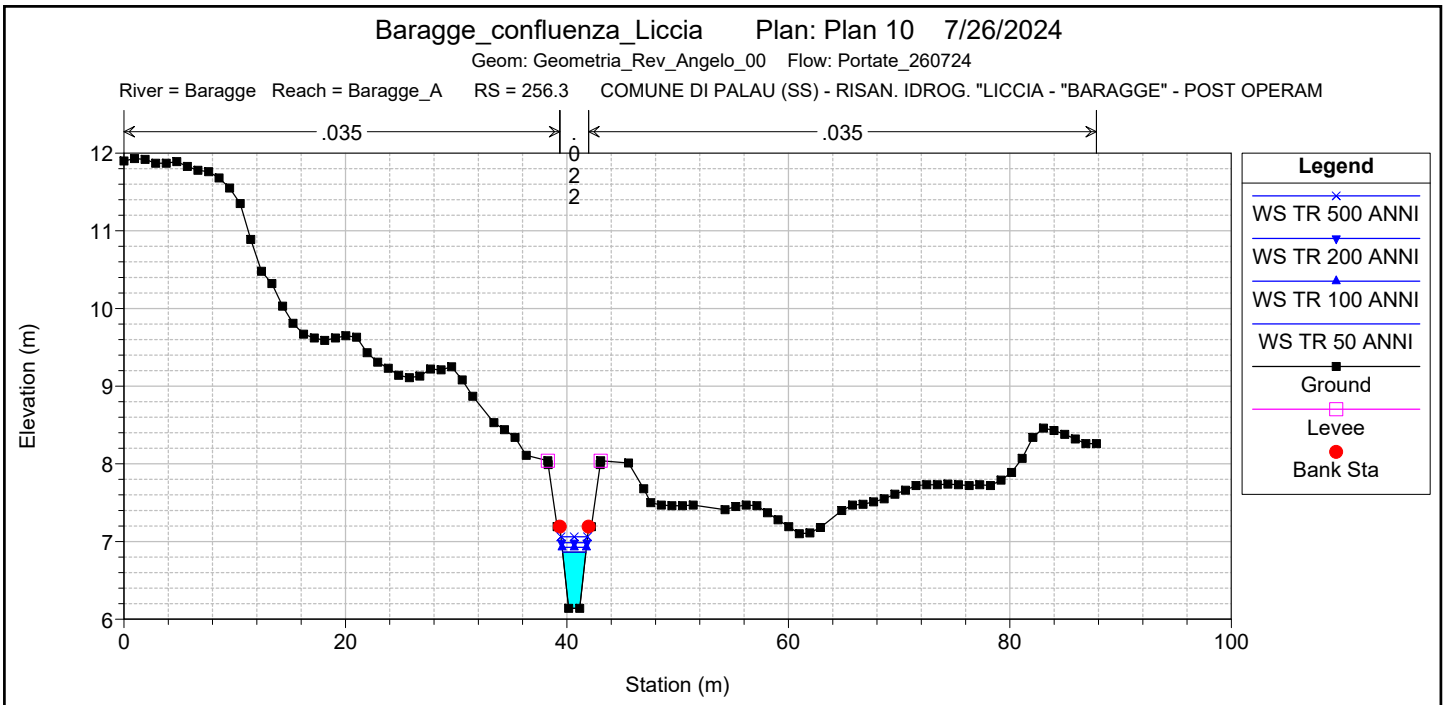

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 355.1 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.022
Elevation (m)
Station (m)
Legend
WS TR 50 ANNI
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
Ground
Levee
Bank Sta

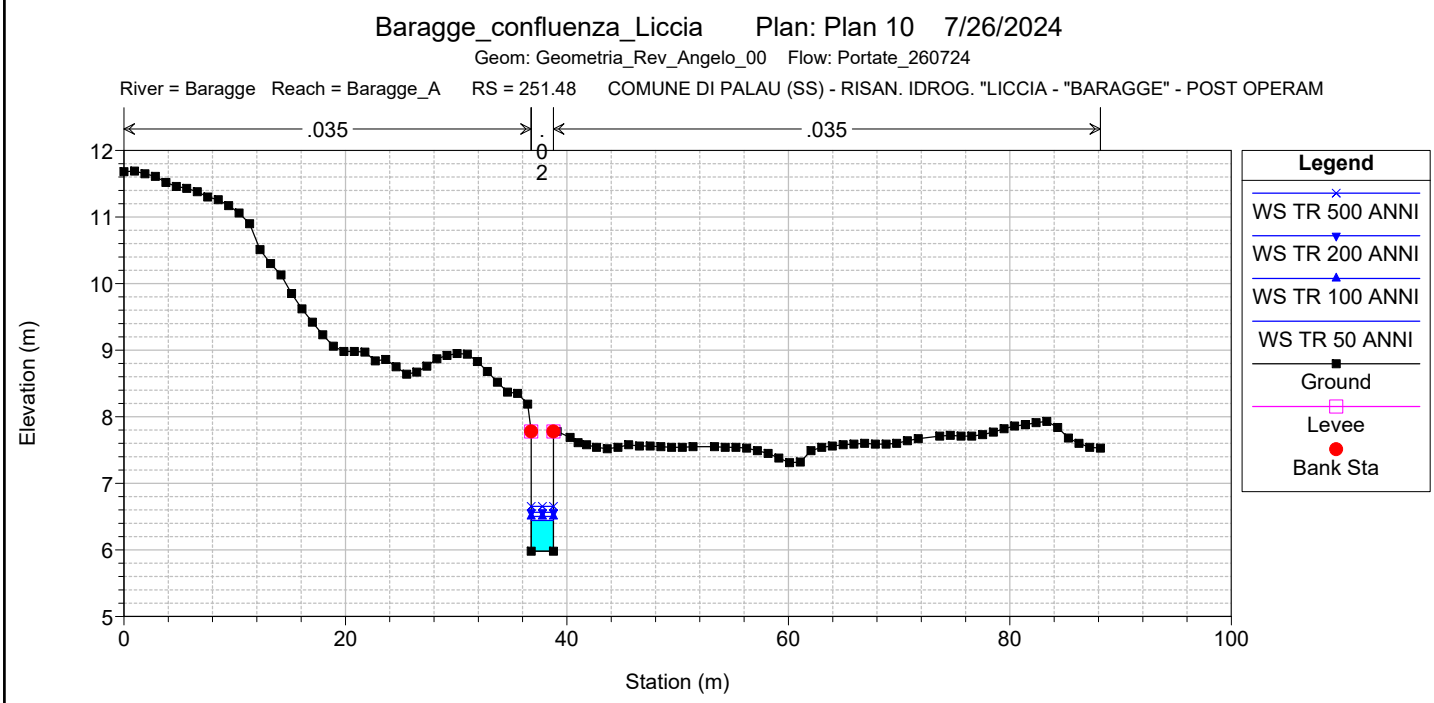

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 330.13 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.022
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

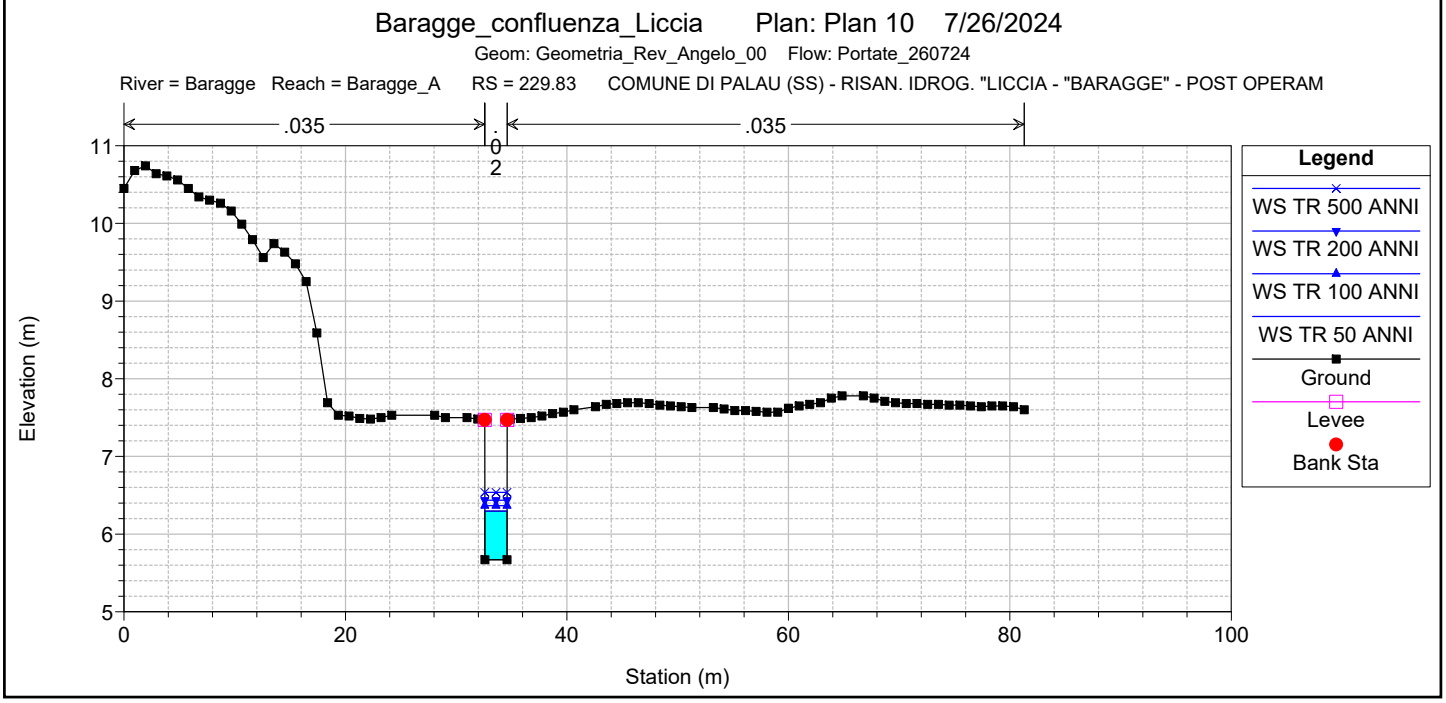

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 304.9 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

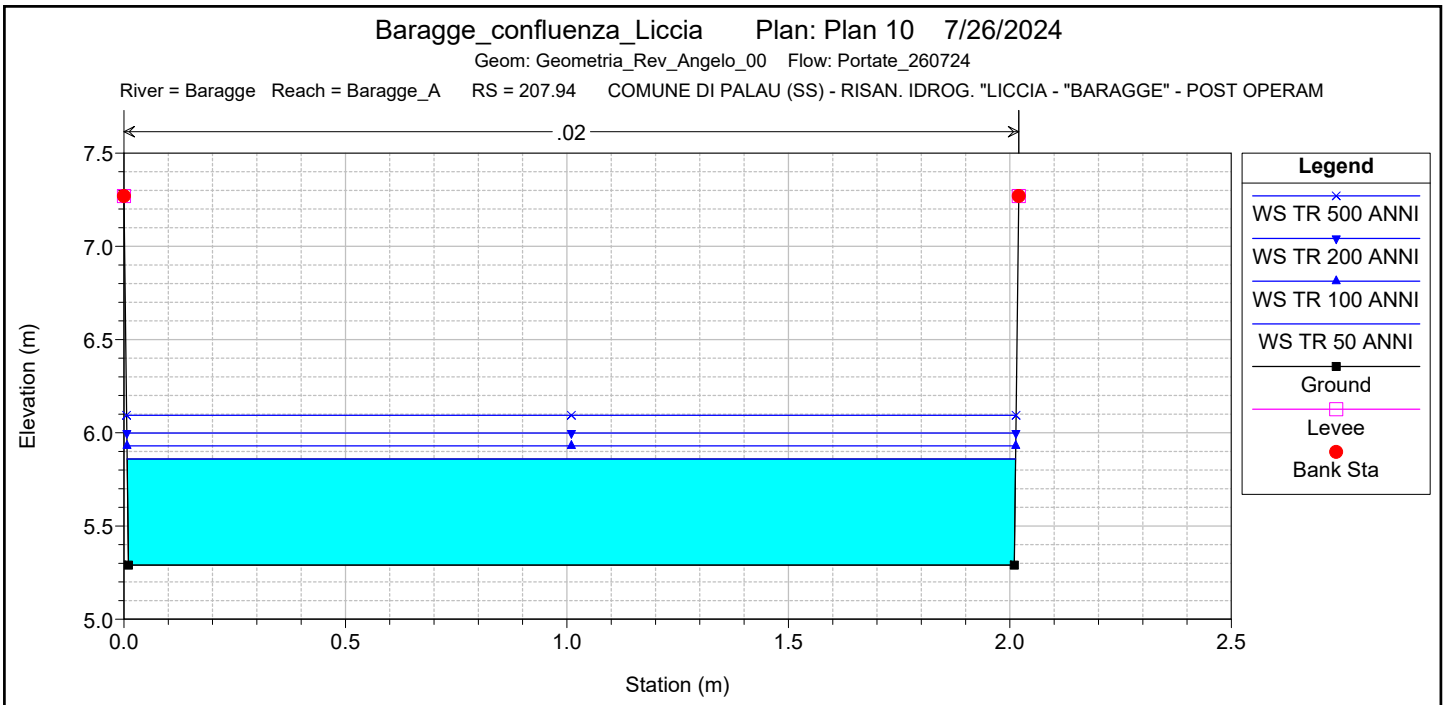

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 280.16 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

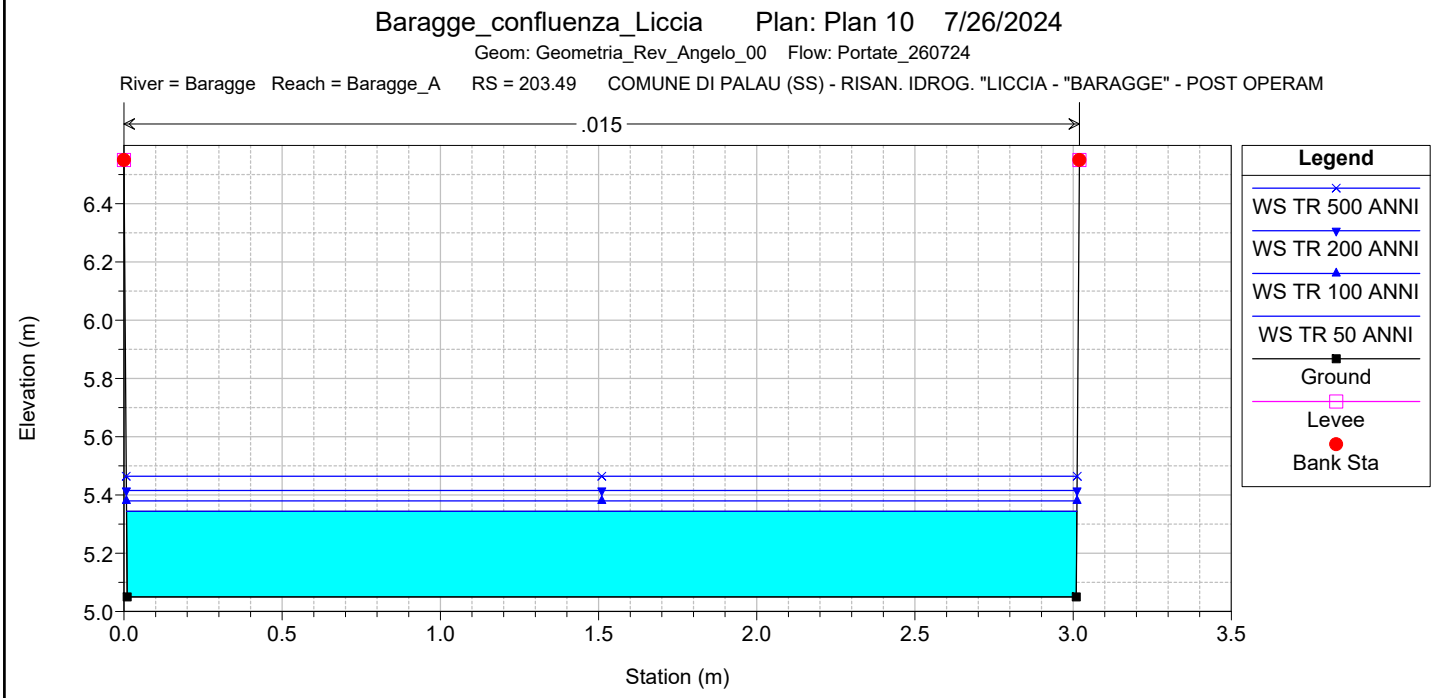

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 264.6 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.022
.035
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

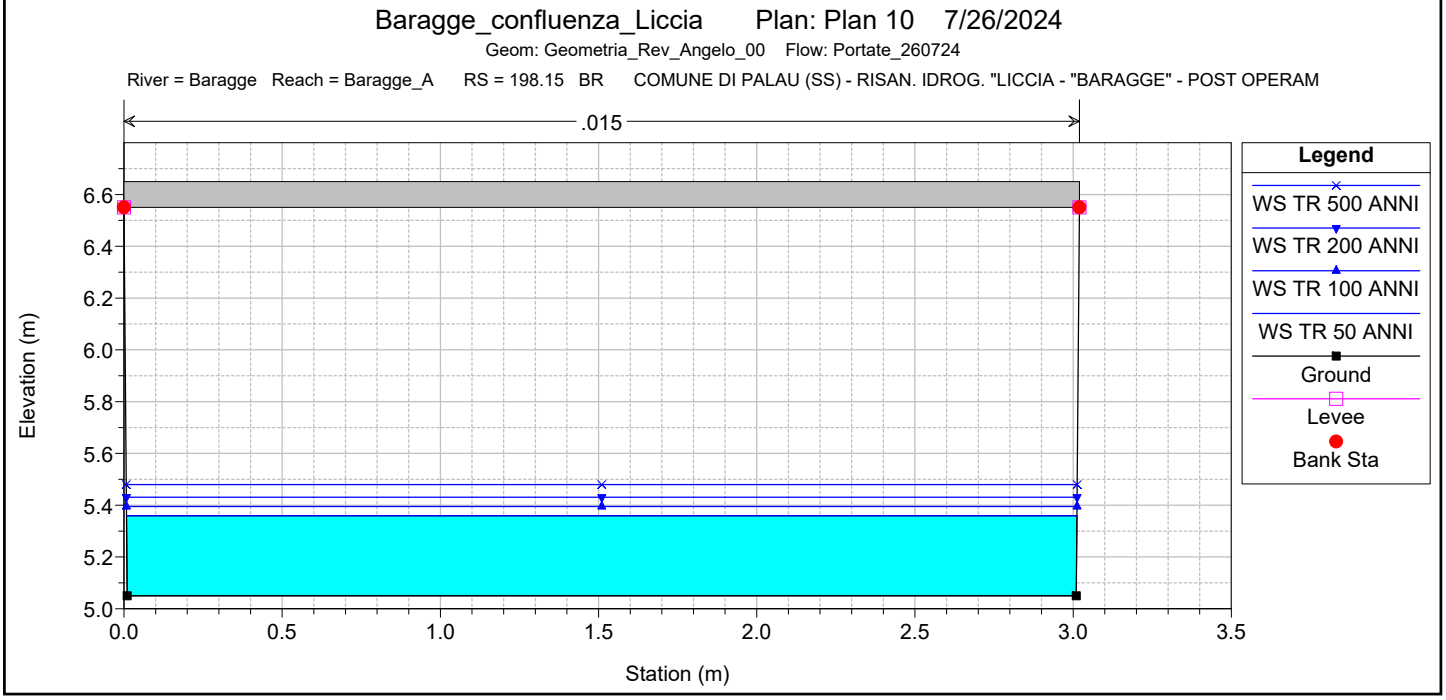

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 256.3 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.022
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

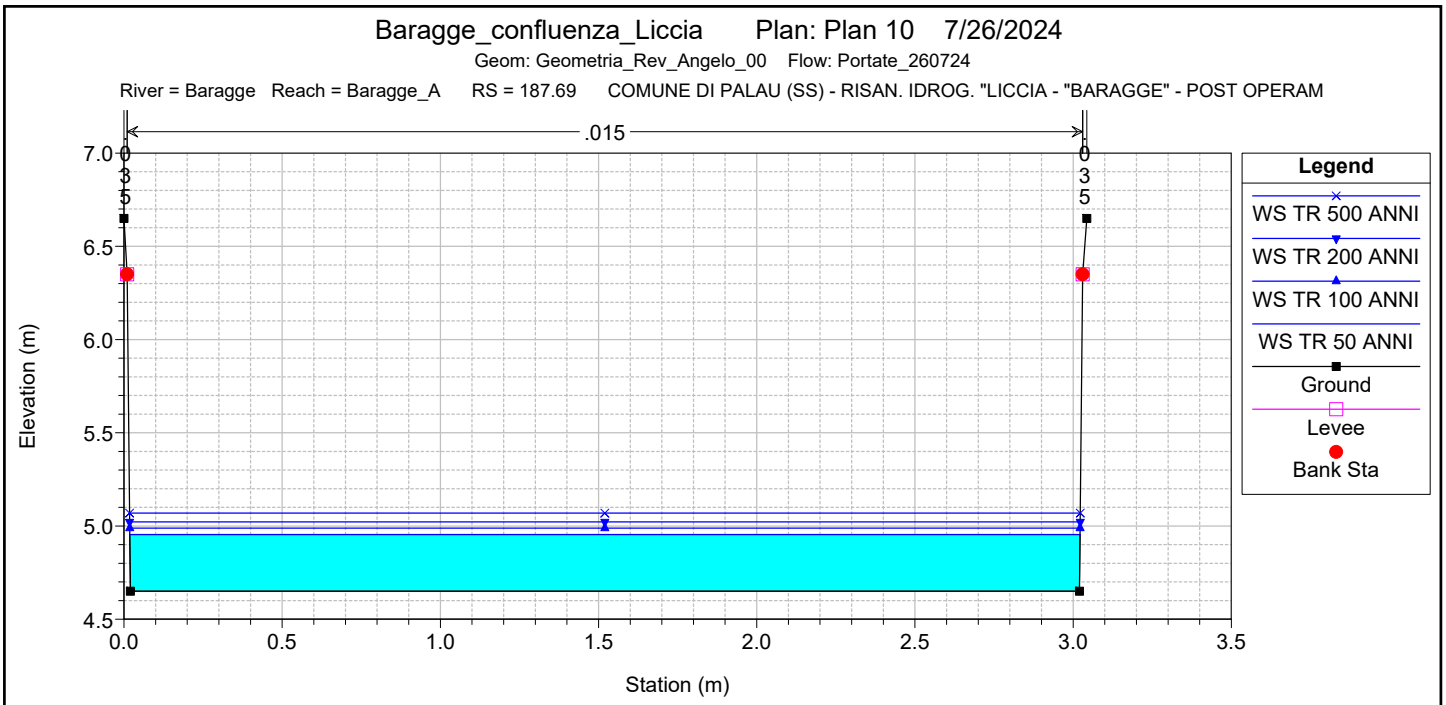

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 251.48 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.02
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

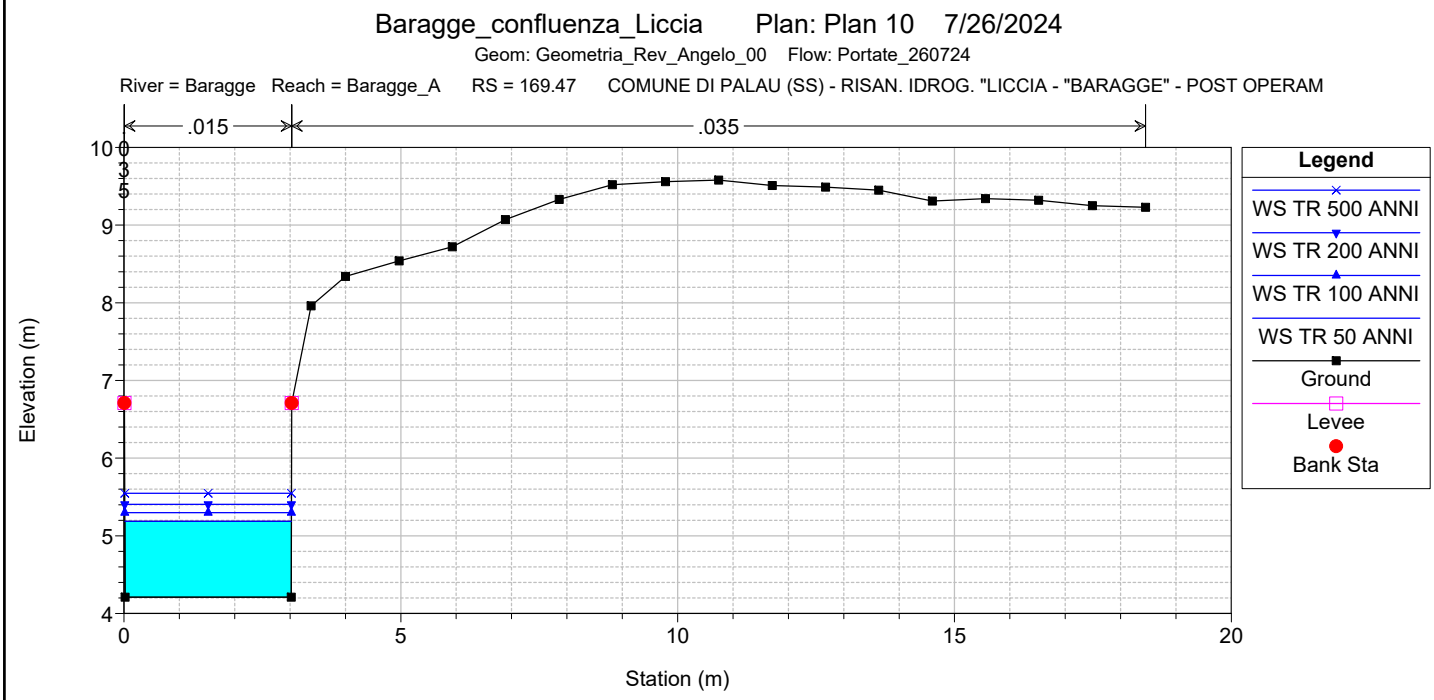

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 229.83 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.035
.02
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

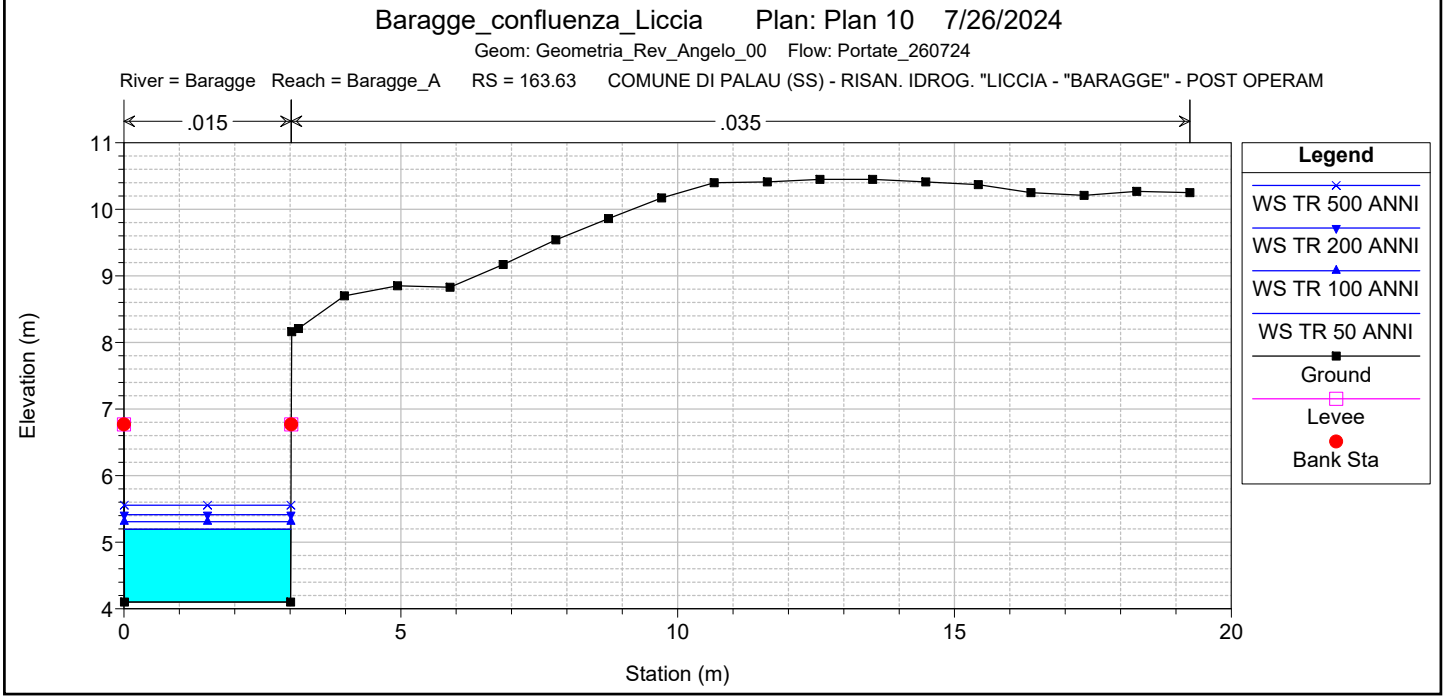

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 207.94 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.02
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 203.49 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 198.15 BR COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 187.69 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

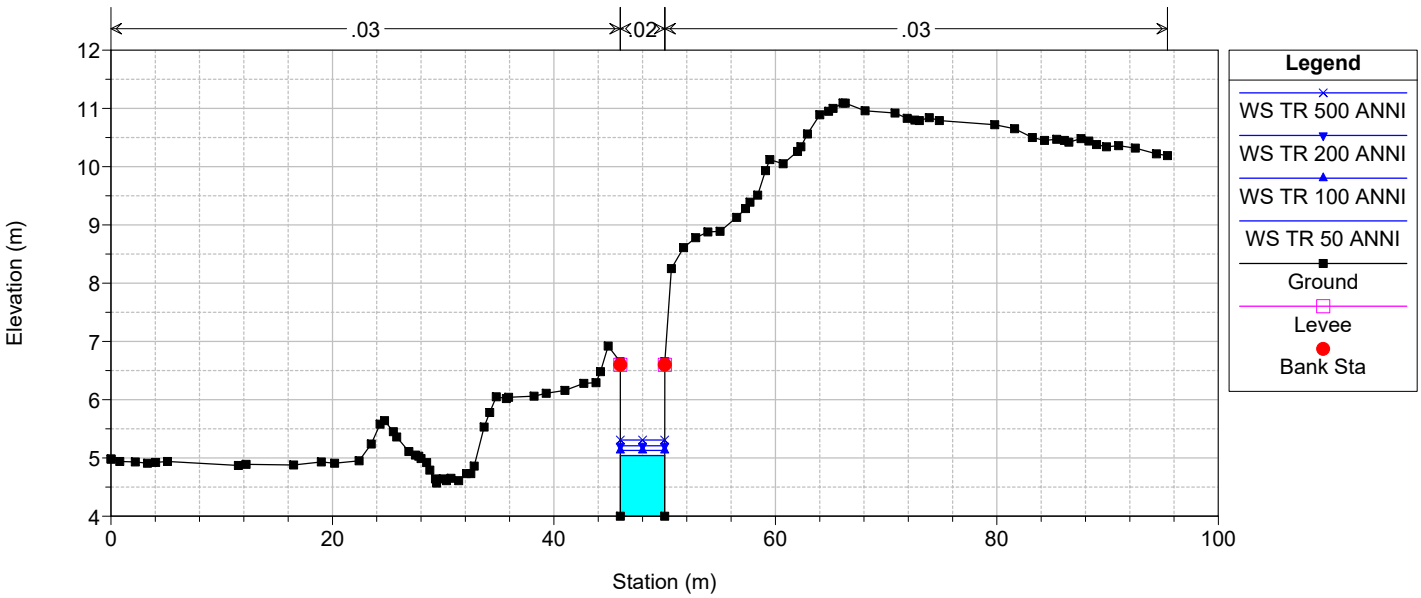

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 169.47 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_A RS = 163.63 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.015
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

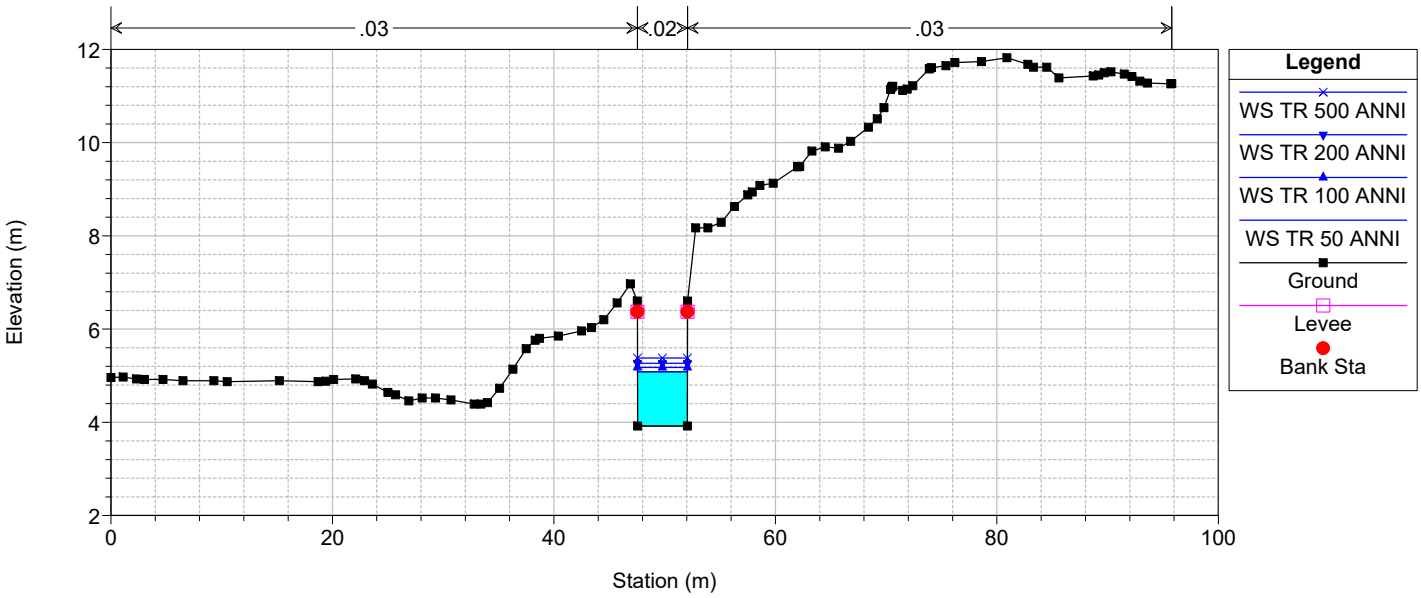
River = Baragge Reach = Baragge_B RS = 155.38 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

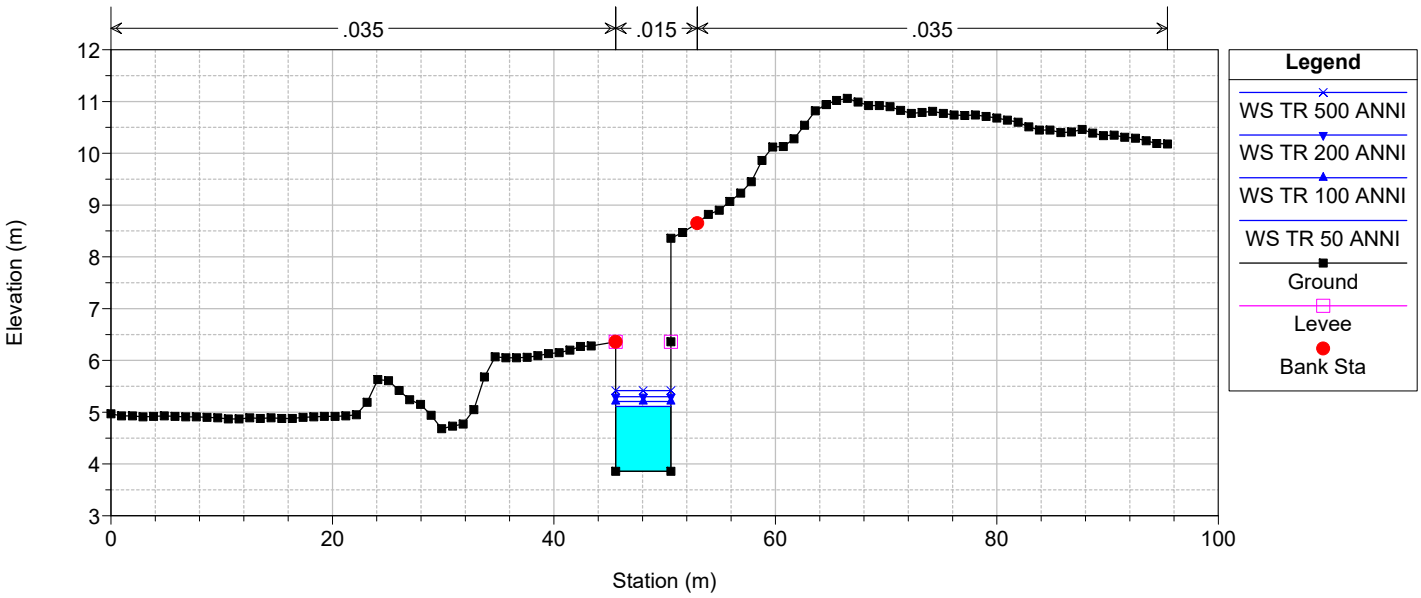
River = Baragge Reach = Baragge_B RS = 148.82 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

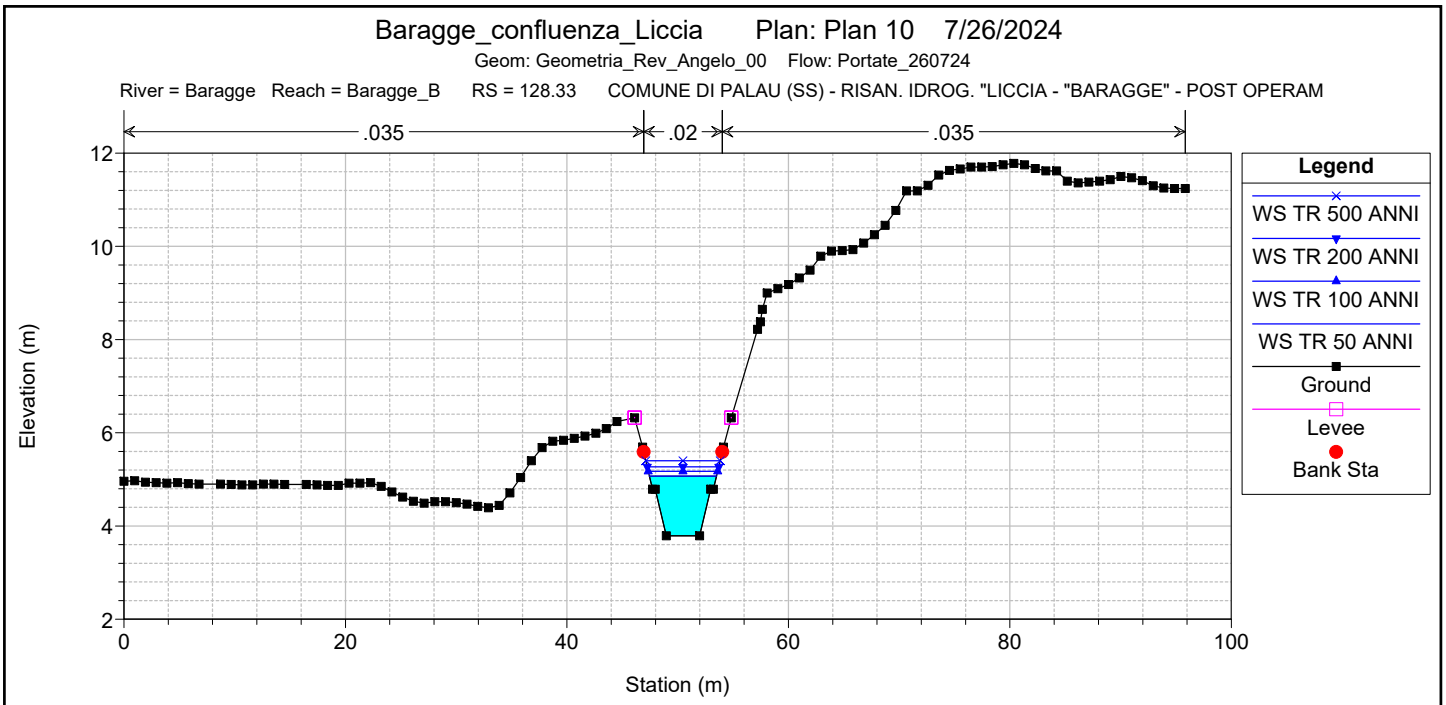


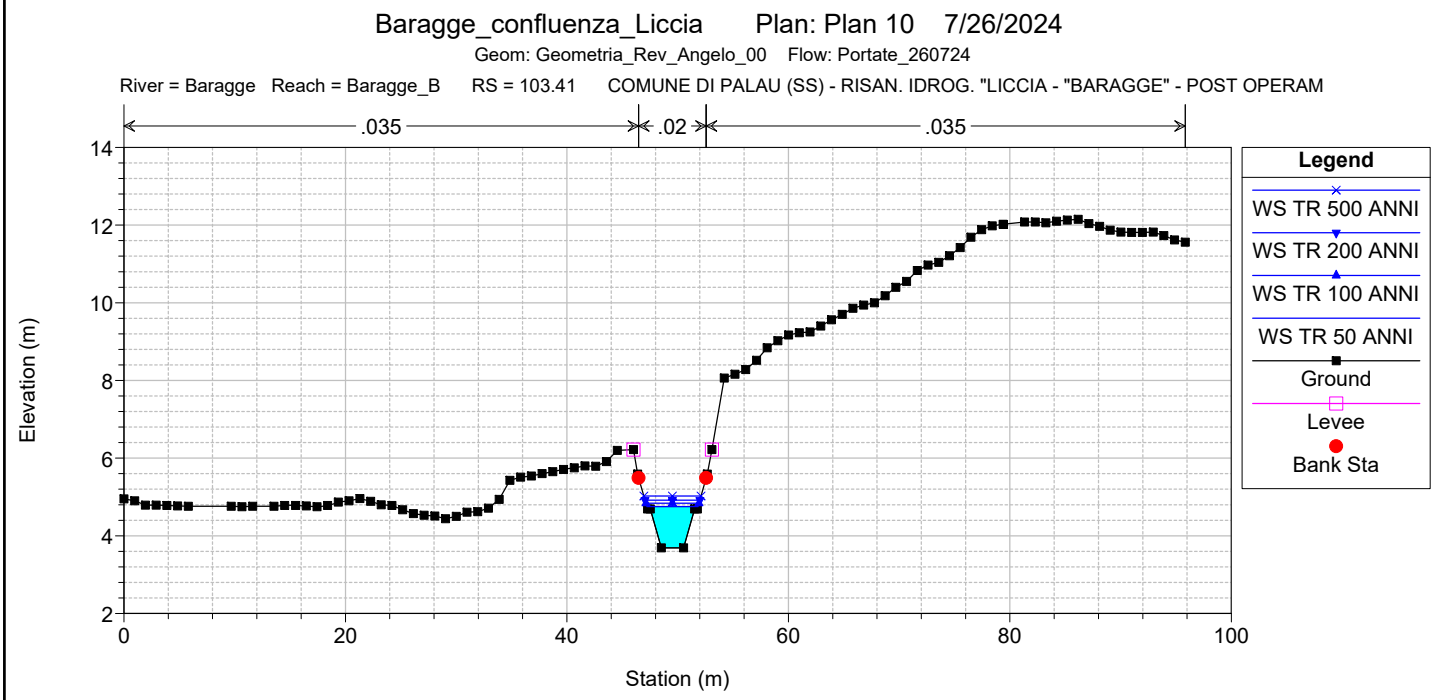
Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

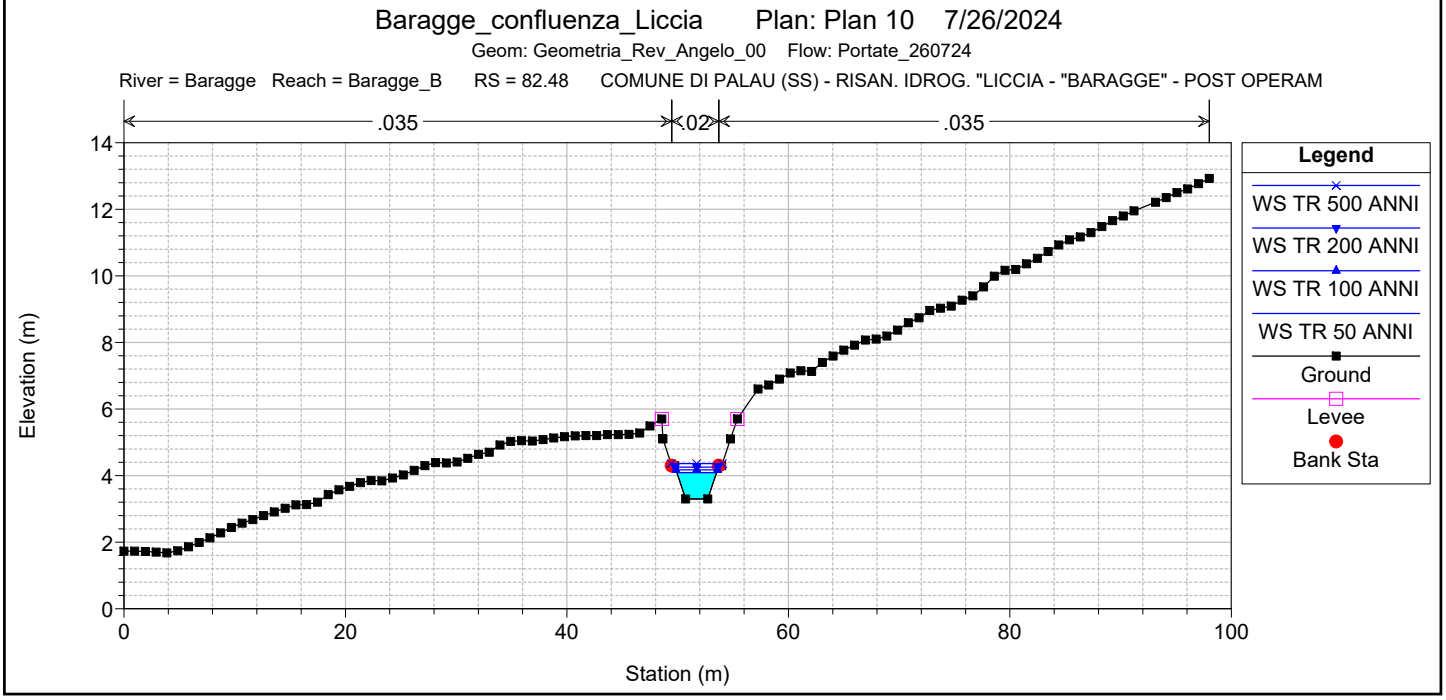
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

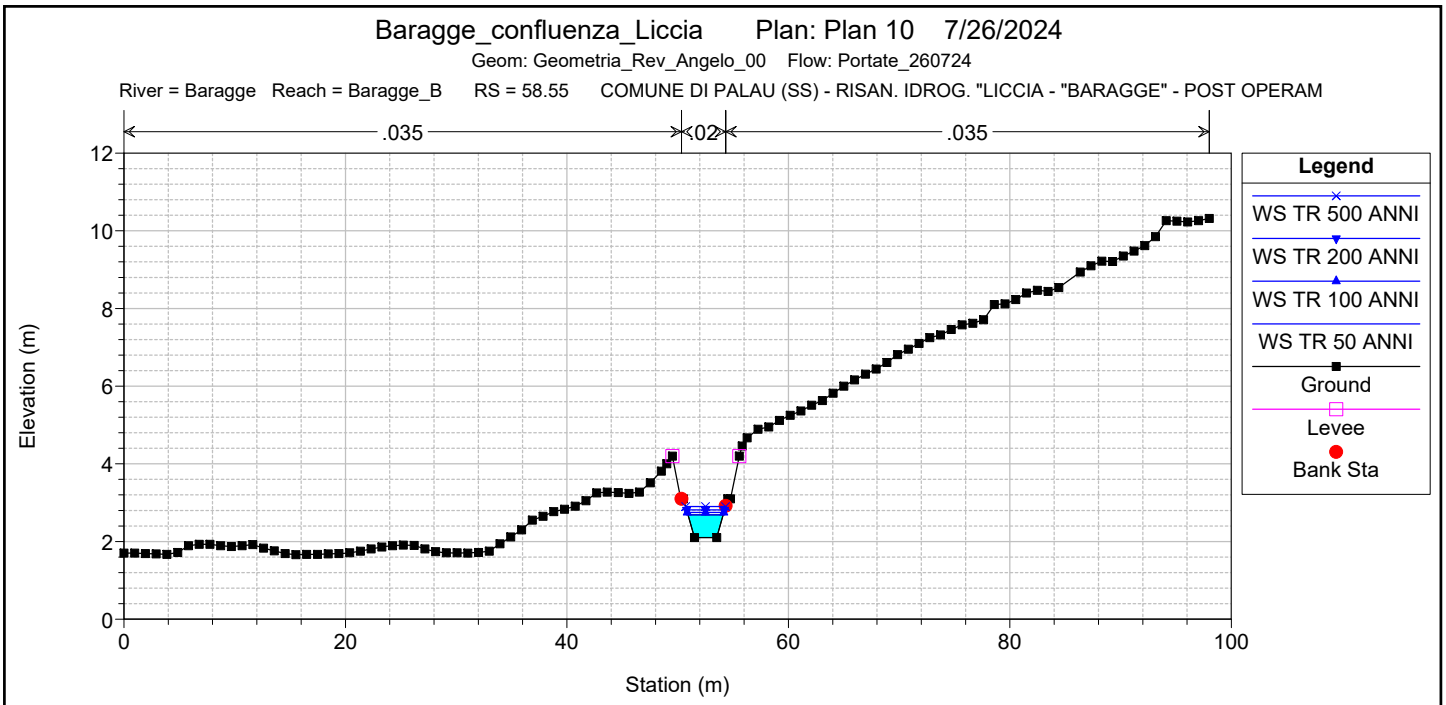
River = Baragge Reach = Baragge_B RS = 144.92 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM

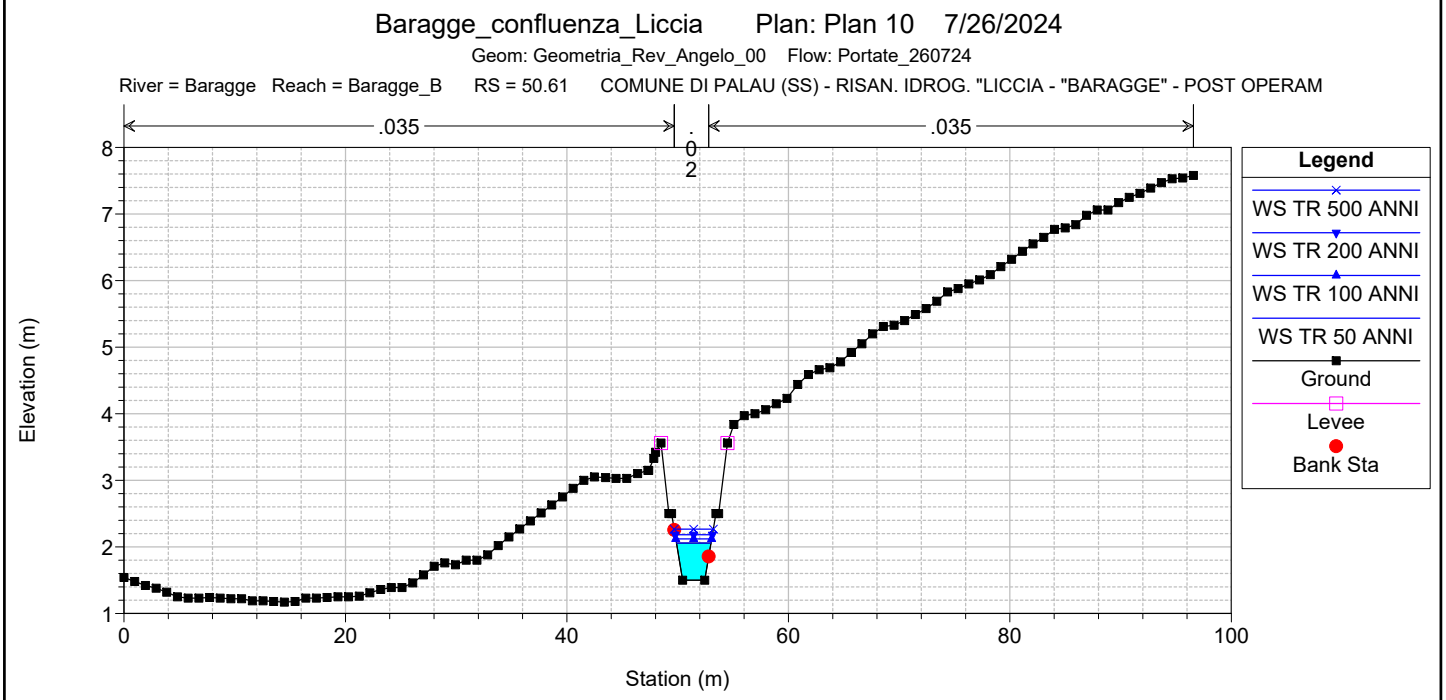


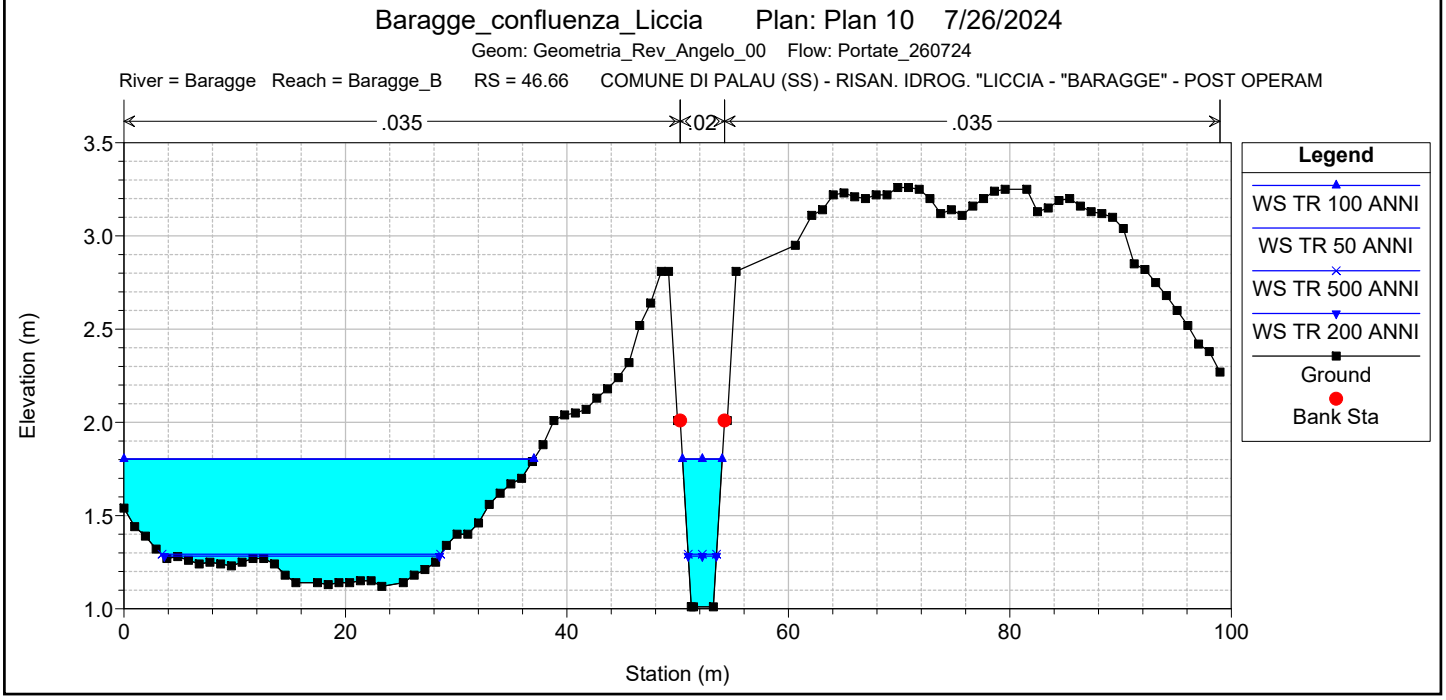

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 128.33 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 103.41 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 82.48 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 58.55 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta

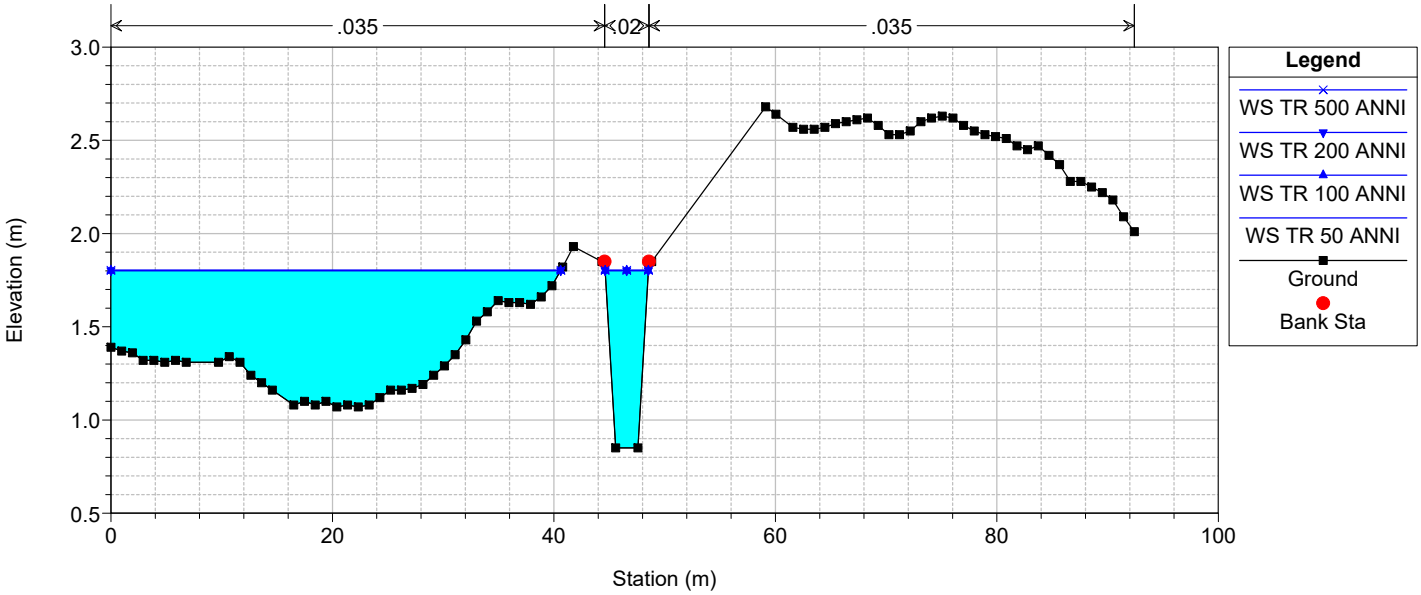

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 50.61 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 500 ANNI
WS TR 200 ANNI
WS TR 100 ANNI
WS TR 50 ANNI
Ground
Levee
Bank Sta


Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024
Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724
River = Baragge Reach = Baragge_B RS = 46.66 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM
.035
.02
.035
Elevation (m)
Station (m)
Legend
WS TR 100 ANNI
WS TR 50 ANNI
WS TR 500 ANNI
WS TR 200 ANNI
Ground
Bank Sta

Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

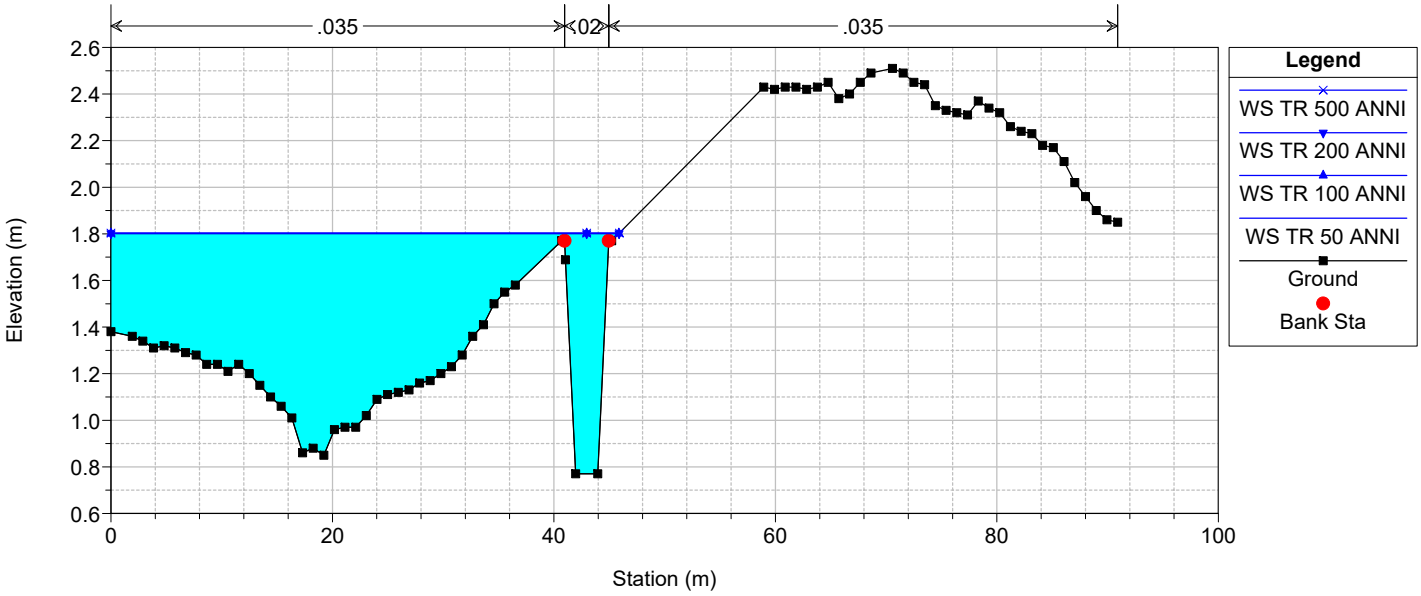
River = Baragge Reach = Baragge_B RS = 41.75 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

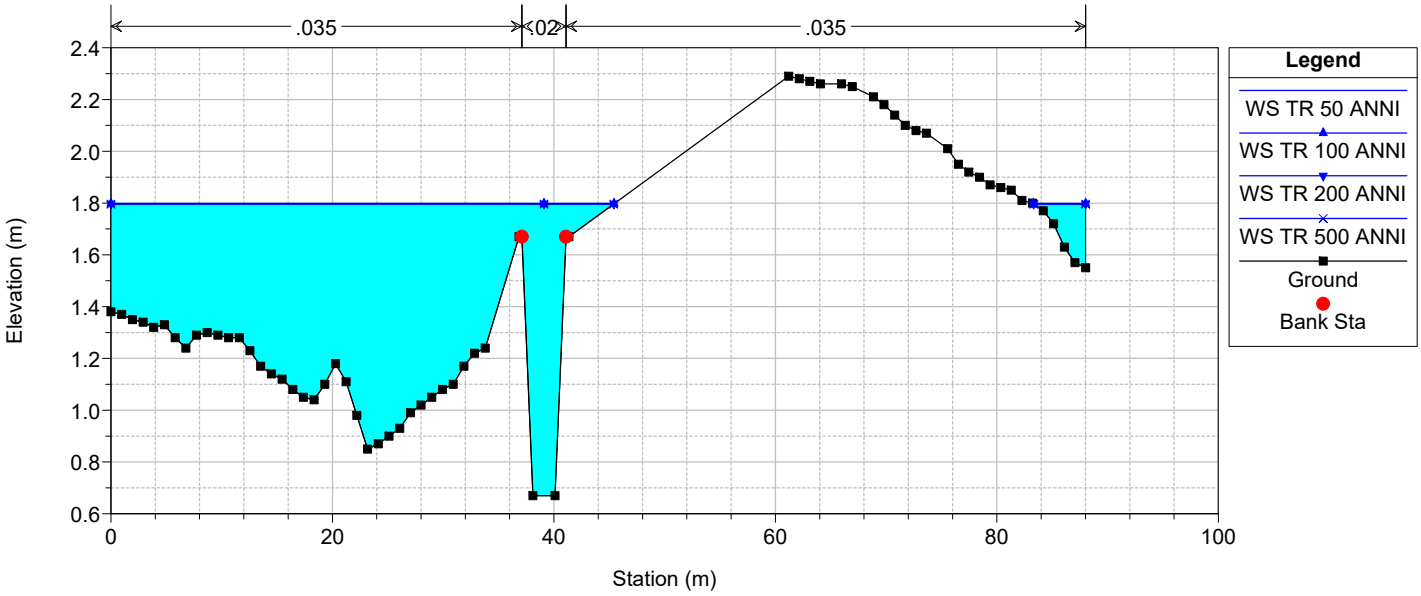
River = Baragge Reach = Baragge_B RS = 37.94 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

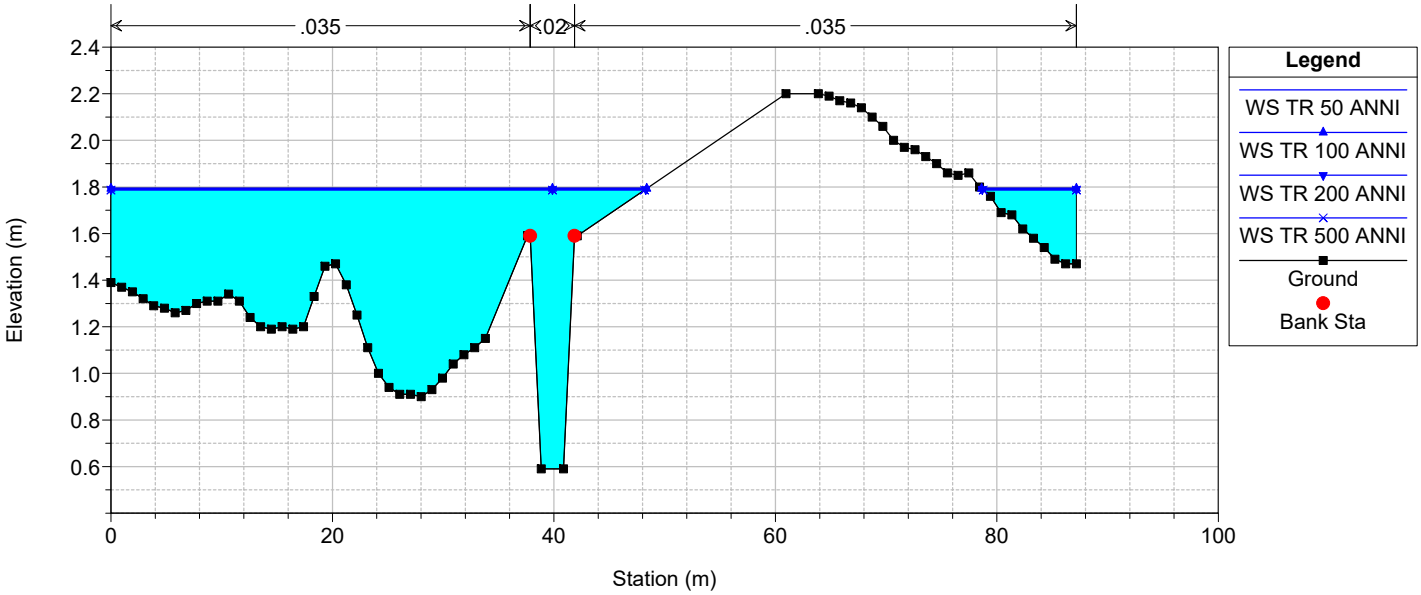
River = Baragge Reach = Baragge_B RS = 22.15 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

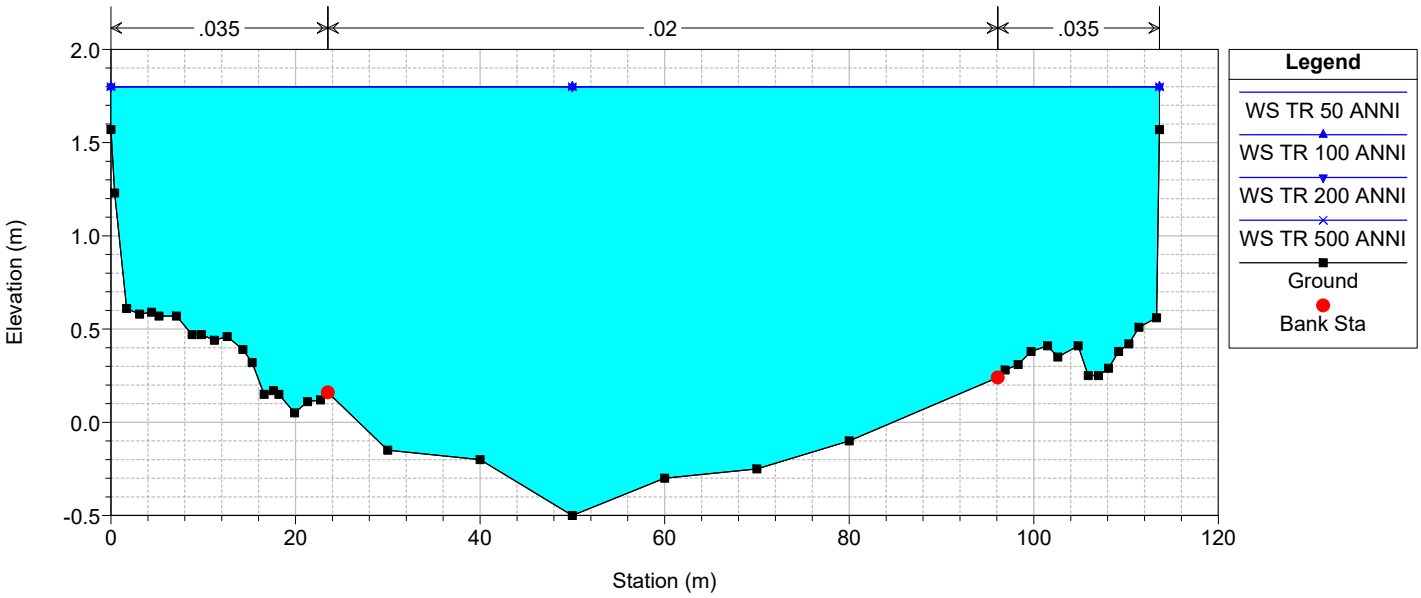
River = Baragge Reach = Baragge_B RS = 8.75 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



Baragge_confluenza_Liccia Plan: Plan 10 7/26/2024

Geom: Geometria_Rev_Angelo_00 Flow: Portate_260724

River = Baragge Reach = Baragge_B RS = -18.44 COMUNE DI PALAU (SS) - RISAN. IDROG. "LICCIA - "BARAGGE" - POST OPERAM



HEC-RAS Plan: Plan 10 River: Baragge Reach: Baragge_A

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Baragge_A	964.68	TR 50 ANNI	2.33	43.85	44.09	44.15	44.29	0.050024	2.25	1.28	9.37	1.57
Baragge_A	964.68	TR 100 ANNI	2.72	43.85	44.11	44.18	44.33	0.050088	2.37	1.44	10.23	1.59
Baragge_A	964.68	TR 200 ANNI	3.11	43.85	44.12	44.20	44.36	0.050040	2.47	1.59	10.57	1.61
Baragge_A	964.68	TR 500 ANNI	3.69	43.85	44.14	44.22	44.40	0.050061	2.60	1.79	11.00	1.63
Baragge_A	914.68	TR 50 ANNI	2.33	39.42	39.67	39.84	40.32	0.140660	3.94	0.71	4.85	2.66
Baragge_A	914.68	TR 100 ANNI	2.72	39.42	39.69	39.86	40.39	0.137436	4.11	0.80	5.12	2.67
Baragge_A	914.68	TR 200 ANNI	3.11	39.42	39.71	39.89	40.45	0.134680	4.26	0.90	5.39	2.67
Baragge_A	914.68	TR 500 ANNI	3.69	39.42	39.73	39.93	40.52	0.131082	4.45	1.03	5.75	2.67
Baragge_A	861.35	TR 50 ANNI	2.33	35.73	36.07	36.16	36.36	0.044038	2.67	1.10	6.53	1.56
Baragge_A	861.35	TR 100 ANNI	2.72	35.73	36.09	36.19	36.40	0.044822	2.81	1.23	6.73	1.59
Baragge_A	861.35	TR 200 ANNI	3.11	35.73	36.11	36.21	36.44	0.045572	2.94	1.35	6.91	1.62
Baragge_A	861.35	TR 500 ANNI	3.69	35.73	36.13	36.24	36.50	0.046583	3.11	1.52	7.16	1.66
Baragge_A	814.68	TR 50 ANNI	2.33	33.07	33.29	33.40	33.61	0.081935	2.75	0.98	6.89	1.99
Baragge_A	814.68	TR 100 ANNI	2.72	33.07	33.30	33.42	33.66	0.080023	2.88	1.10	7.22	1.99
Baragge_A	814.68	TR 200 ANNI	3.11	33.07	33.32	33.44	33.70	0.078392	2.99	1.23	8.55	2.00
Baragge_A	814.68	TR 500 ANNI	3.69	33.07	33.34	33.46	33.75	0.076358	3.15	1.46	11.04	2.00
Baragge_A	776.99	TR 50 ANNI	2.33	28.58	28.83	28.98	29.42	0.156801	3.46	0.70	4.72	2.68
Baragge_A	776.99	TR 100 ANNI	2.72	28.58	28.84	29.01	29.51	0.157528	3.67	0.77	4.86	2.72
Baragge_A	776.99	TR 200 ANNI	3.11	28.58	28.86	29.04	29.60	0.157611	3.86	0.84	5.00	2.76
Baragge_A	776.99	TR 500 ANNI	3.69	28.58	28.88	29.08	29.71	0.157429	4.11	0.95	5.18	2.80
Baragge_A	738.94	TR 50 ANNI	2.33	26.50	26.85	26.91	27.06	0.030883	2.25	1.24	6.05	1.31
Baragge_A	738.94	TR 100 ANNI	2.72	26.50	26.87	26.94	27.10	0.031377	2.38	1.37	6.35	1.33
Baragge_A	738.94	TR 200 ANNI	3.11	26.50	26.89	26.97	27.15	0.031900	2.50	1.51	6.71	1.36
Baragge_A	738.94	TR 500 ANNI	3.69	26.50	26.92	26.99	27.20	0.032658	2.67	1.71	7.19	1.39
Baragge_A	724.66	TR 50 ANNI	2.33	24.85	25.28	25.55	26.19	0.127088	4.24	0.55	1.67	2.36
Baragge_A	724.66	TR 100 ANNI	2.72	24.85	25.33	25.61	26.26	0.115695	4.27	0.64	1.76	2.27
Baragge_A	724.66	TR 200 ANNI	3.11	24.85	25.38	25.66	26.32	0.106232	4.29	0.73	1.85	2.19
Baragge_A	724.66	TR 500 ANNI	3.69	24.85	25.45	25.74	26.39	0.095350	4.31	0.86	1.98	2.09
Baragge_A	718.72	TR 50 ANNI	2.33	24.10	25.06	24.59	25.12	0.000519	1.11	2.11	3.84	0.36
Baragge_A	718.72	TR 100 ANNI	2.72	24.10	25.21	24.64	25.24	0.000396	0.77	3.52	4.09	0.27
Baragge_A	718.72	TR 200 ANNI	3.11	24.10	25.39	24.69	25.41	0.000304	0.73	4.28	4.38	0.24
Baragge_A	718.72	TR 500 ANNI	3.69	24.10	25.54	24.76	25.56	0.000287	0.75	4.94	4.63	0.23
Baragge_A	709.11		Culvert									
Baragge_A	700.2	TR 50 ANNI	2.33	24.05	24.95	24.54	25.03	0.000696	1.18	1.98	3.01	0.40
Baragge_A	700.2	TR 100 ANNI	2.72	24.05	25.03	24.59	25.11	0.000718	1.27	2.15	3.09	0.41
Baragge_A	700.2	TR 200 ANNI	3.11	24.05	25.14	24.64	25.20	0.000840	1.07	2.90	3.21	0.36
Baragge_A	700.2	TR 500 ANNI	3.69	24.05	25.25	24.71	25.32	0.000856	1.13	3.26	3.32	0.36
Baragge_A	698.7	TR 50 ANNI	2.33	23.96	24.73	24.73	25.00	0.007455	2.31	1.01	1.87	1.00
Baragge_A	698.7	TR 100 ANNI	2.72	23.96	24.79	24.79	25.09	0.007470	2.41	1.13	1.90	1.00
Baragge_A	698.7	TR 200 ANNI	3.11	23.96	24.85	24.85	25.17	0.007605	2.51	1.24	1.93	1.00
Baragge_A	698.7	TR 500 ANNI	3.69	23.96	24.93	24.93	25.29	0.007706	2.64	1.40	1.96	1.00
Baragge_A	663.79	TR 50 ANNI	2.33	23.14	23.62	23.86	24.46	0.035297	4.04	0.58	1.70	2.22
Baragge_A	663.79	TR 100 ANNI	2.72	23.14	23.67	23.93	24.55	0.033694	4.16	0.65	1.75	2.17
Baragge_A	663.79	TR 200 ANNI	3.11	23.14	23.71	23.98	24.63	0.032187	4.25	0.73	1.80	2.13
Baragge_A	663.79	TR 500 ANNI	3.69	23.14	23.77	24.07	24.75	0.030444	4.38	0.84	1.83	2.06
Baragge_A	637.12	TR 50 ANNI	3.10	22.38	23.00	23.22	23.71	0.022077	3.71	0.84	1.83	1.75
Baragge_A	637.12	TR 100 ANNI	3.65	22.38	23.06	23.29	23.82	0.021625	3.86	0.95	1.86	1.73
Baragge_A	637.12	TR 200 ANNI	4.21	22.38	23.12	23.37	23.93	0.021131	3.98	1.06	1.88	1.70
Baragge_A	637.12	TR 500 ANNI	5.02	22.38	23.21	23.47	24.07	0.020519	4.13	1.22	1.92	1.66
Baragge_A	611.93	TR 50 ANNI	3.10	21.65	22.24	22.49	23.07	0.027917	4.03	0.77	1.81	1.98
Baragge_A	611.93	TR 100 ANNI	3.65	21.65	22.29	22.57	23.19	0.027495	4.20	0.87	1.84	1.95
Baragge_A	611.93	TR 200 ANNI	4.21	21.65	22.35	22.64	23.31	0.027136	4.36	0.97	1.86	1.93
Baragge_A	611.93	TR 500 ANNI	5.02	21.65	22.42	22.74	23.47	0.026622	4.54	1.11	1.90	1.90
Baragge_A	586.93	TR 50 ANNI	3.10	21.27	21.97	22.11	22.49	0.014534	3.20	0.97	1.86	1.41
Baragge_A	586.93	TR 100 ANNI	3.65	21.27	22.03	22.18	22.60	0.014883	3.37	1.08	1.89	1.42
Baragge_A	586.93	TR 200 ANNI	4.21	21.27	22.08	22.26	22.72	0.015176	3.53	1.19	1.92	1.43
Baragge_A	586.93	TR 500 ANNI	5.02	21.27	22.16	22.36	22.87	0.015490	3.72	1.35	1.95	1.43
Baragge_A	572.73	TR 50 ANNI	3.10	21.09	21.82	21.93	22.28	0.012139	2.99	1.04	1.88	1.29
Baragge_A	572.73	TR 100 ANNI	3.65	21.09	21.89	22.01	22.39	0.012209	3.13	1.16	1.91	1.28
Baragge_A	572.73	TR 200 ANNI	4.21	21.09	21.96	22.08	22.50	0.012342	3.27	1.29	1.94	1.28
Baragge_A	572.73	TR 500 ANNI	5.02	21.09	22.05	22.18	22.64	0.012274	3.41	1.47	1.98	1.26
Baragge_A	561.51	TR 50 ANNI	3.10	20.87	21.55	21.71	22.11	0.016115	3.32	0.94	1.85	1.49
Baragge_A	561.51	TR 100 ANNI	3.65	20.87	21.62	21.79	22.23	0.015899	3.45	1.06	1.88	1.47
Baragge_A	561.51	TR 200 ANNI	4.21	20.87	21.68	21.86	22.33	0.015761	3.58	1.18	1.91	1.45
Baragge_A	561.51	TR 500 ANNI	5.02	20.87	21.77	21.96	22.48	0.015529	3.72	1.35	1.95	1.43
Baragge_A	540.1	TR 50 ANNI	3.10	20.46	21.11	21.30	21.74	0.018792	3.51	0.89	1.84	1.61
Baragge_A	540.1	TR 100 ANNI	3.65	20.46	21.17	21.37	21.85	0.018595	3.65	1.00	1.87	1.60
Baragge_A	540.1	TR 200 ANNI	4.21	20.46	21.23	21.45	21.96	0.018431	3.79	1.11	1.90	1.58
Baragge_A	540.1	TR 500 ANNI	5.02	20.46	21.31	21.55	22.11	0.018192	3.95	1.27	1.93	1.55

HEC-RAS Plan: Plan 10 River: Baragge Reach: Baragge_A (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Baragge_A	537.15	TR 50 ANNI	3.10	20.40	20.94	21.17	21.66	0.030324	3.76	0.82	2.07	1.90
Baragge_A	537.15	TR 100 ANNI	3.65	20.40	20.99	21.24	21.77	0.030336	3.93	0.93	2.17	1.92
Baragge_A	537.15	TR 200 ANNI	4.21	20.40	21.03	21.30	21.88	0.030549	4.09	1.03	2.26	1.94
Baragge_A	537.15	TR 500 ANNI	5.02	20.40	21.09	21.39	22.03	0.030589	4.29	1.17	2.38	1.95
Baragge_A	507.33	TR 50 ANNI	3.10	16.72	17.05	17.49	19.65	0.180138	7.15	0.43	1.65	4.46
Baragge_A	507.33	TR 100 ANNI	3.65	16.72	17.09	17.56	19.80	0.167494	7.30	0.50	1.73	4.34
Baragge_A	507.33	TR 200 ANNI	4.21	16.72	17.12	17.62	19.94	0.157055	7.43	0.57	1.81	4.23
Baragge_A	507.33	TR 500 ANNI	5.02	16.72	17.17	17.71	20.11	0.145866	7.59	0.66	1.91	4.12
Baragge_A	482.25	TR 50 ANNI	3.10	16.35	16.89	17.12	17.59	0.029133	3.71	0.84	2.09	1.87
Baragge_A	482.25	TR 100 ANNI	3.65	16.35	16.94	17.19	17.72	0.030358	3.93	0.93	2.17	1.92
Baragge_A	482.25	TR 200 ANNI	4.21	16.35	16.98	17.26	17.85	0.031414	4.13	1.02	2.25	1.96
Baragge_A	482.25	TR 500 ANNI	5.02	16.35	17.03	17.34	18.02	0.032774	4.40	1.14	2.36	2.02
Baragge_A	456.8	TR 50 ANNI	3.10	15.96	16.63	16.73	17.02	0.013057	2.76	1.12	2.34	1.27
Baragge_A	456.8	TR 100 ANNI	3.65	15.96	16.68	16.80	17.12	0.013544	2.92	1.25	2.45	1.30
Baragge_A	456.8	TR 200 ANNI	4.21	15.96	16.73	16.86	17.21	0.014067	3.07	1.37	2.55	1.34
Baragge_A	456.8	TR 500 ANNI	5.02	15.96	16.79	16.95	17.35	0.014755	3.31	1.53	3.16	1.38
Baragge_A	431.66	TR 50 ANNI	3.10	15.45	16.04	16.22	16.59	0.021046	3.29	0.94	2.18	1.60
Baragge_A	431.66	TR 100 ANNI	3.65	15.45	16.10	16.29	16.69	0.020485	3.40	1.07	2.30	1.59
Baragge_A	431.66	TR 200 ANNI	4.21	15.45	16.16	16.35	16.78	0.020016	3.50	1.20	2.41	1.58
Baragge_A	431.66	TR 500 ANNI	5.02	15.45	16.22	16.44	16.91	0.019917	3.66	1.37	2.55	1.59
Baragge_A	406.05	TR 50 ANNI	3.10	14.93	15.70	15.70	15.96	0.007856	2.29	1.36	2.53	1.00
Baragge_A	406.05	TR 100 ANNI	3.65	14.93	15.77	15.77	16.05	0.007305	2.36	1.57	3.18	0.98
Baragge_A	406.05	TR 200 ANNI	4.21	14.93	15.83	15.83	16.14	0.006830	2.44	1.78	3.31	0.96
Baragge_A	406.05	TR 500 ANNI	5.02	14.93	15.70	15.92	16.39	0.020242	3.68	1.36	2.54	1.60
Baragge_A	380.03	TR 50 ANNI	3.10	14.40	15.17	15.17	15.43	0.007860	2.29	1.36	2.53	1.00
Baragge_A	380.03	TR 100 ANNI	3.65	14.40	15.24	15.24	15.52	0.007305	2.36	1.57	3.18	0.98
Baragge_A	380.03	TR 200 ANNI	4.21	14.40	15.07	15.30	15.79	0.024291	3.76	1.12	2.34	1.74
Baragge_A	380.03	TR 500 ANNI	5.02	14.40	15.17	15.39	15.86	0.020410	3.69	1.36	2.54	1.61
Baragge_A	355.1	TR 50 ANNI	3.10	12.06	12.83	12.83	13.09	0.007863	2.29	1.36	2.53	1.00
Baragge_A	355.1	TR 100 ANNI	3.65	12.06	12.45	12.90	14.83	0.139672	6.84	0.53	1.77	3.98
Baragge_A	355.1	TR 200 ANNI	4.21	12.06	12.52	12.96	14.57	0.101413	6.34	0.66	1.91	3.44
Baragge_A	355.1	TR 500 ANNI	5.02	12.06	12.57	13.05	14.76	0.097245	6.55	0.77	2.02	3.39
Baragge_A	330.13	TR 50 ANNI	3.10	9.79	10.14	10.56	12.38	0.145926	6.63	0.47	1.69	4.03
Baragge_A	330.13	TR 100 ANNI	3.65	9.79	10.23	10.63	11.91	0.086237	5.75	0.63	1.88	3.16
Baragge_A	330.13	TR 200 ANNI	4.21	9.79	10.26	10.69	12.13	0.089469	6.06	0.69	1.94	3.24
Baragge_A	330.13	TR 500 ANNI	5.02	9.79	10.31	10.78	12.38	0.090249	6.38	0.79	2.04	3.28
Baragge_A	304.9	TR 50 ANNI	3.10	7.45	7.85	8.22	9.39	0.086178	5.49	0.56	1.81	3.14
Baragge_A	304.9	TR 100 ANNI	3.65	7.45	7.88	8.29	9.65	0.092587	5.90	0.62	1.86	3.27
Baragge_A	304.9	TR 200 ANNI	4.21	7.45	7.92	8.35	9.84	0.092553	6.14	0.69	1.94	3.29
Baragge_A	304.9	TR 500 ANNI	5.02	7.45	7.96	8.44	10.08	0.092575	6.44	0.78	2.03	3.32
Baragge_A	280.16	TR 50 ANNI	3.10	6.71	7.28	7.51	8.00	0.029065	3.75	0.83	1.91	1.82
Baragge_A	280.16	TR 100 ANNI	3.65	6.71	7.32	7.58	8.14	0.030995	4.01	0.91	1.98	1.89
Baragge_A	280.16	TR 200 ANNI	4.21	6.71	7.36	7.65	8.27	0.032258	4.23	1.00	2.05	1.93
Baragge_A	280.16	TR 500 ANNI	5.02	6.71	7.42	7.75	8.45	0.033869	4.50	1.11	2.14	1.99
Baragge_A	264.6	TR 50 ANNI	3.82	6.32	7.06	7.22	7.61	0.017272	3.28	1.17	2.13	1.42
Baragge_A	264.6	TR 100 ANNI	4.46	6.32	7.12	7.30	7.73	0.017727	3.44	1.30	2.22	1.44
Baragge_A	264.6	TR 200 ANNI	5.13	6.32	7.18	7.38	7.84	0.018151	3.60	1.43	2.31	1.46
Baragge_A	264.6	TR 500 ANNI	6.09	6.32	7.25	7.49	7.99	0.018792	3.81	1.60	2.42	1.50
Baragge_A	256.3	TR 50 ANNI	3.82	6.14	6.86	7.04	7.45	0.019100	3.40	1.12	2.10	1.49
Baragge_A	256.3	TR 100 ANNI	4.46	6.14	6.93	7.12	7.57	0.019300	3.55	1.26	2.20	1.50
Baragge_A	256.3	TR 200 ANNI	5.13	6.14	6.98	7.20	7.68	0.019478	3.69	1.39	2.29	1.51
Baragge_A	256.3	TR 500 ANNI	6.09	6.14	7.06	7.31	7.83	0.019800	3.88	1.57	2.40	1.53
Baragge_A	251.48	TR 50 ANNI	3.82	5.98	6.44	6.70	7.31	0.031539	4.12	0.93	2.01	1.94
Baragge_A	251.48	TR 100 ANNI	4.46	5.98	6.50	6.78	7.43	0.030055	4.26	1.05	2.01	1.88
Baragge_A	251.48	TR 200 ANNI	5.13	5.98	6.57	6.86	7.54	0.028778	4.37	1.17	2.01	1.83
Baragge_A	251.48	TR 500 ANNI	6.09	5.98	6.65	6.96	7.69	0.027360	4.51	1.35	2.01	1.76
Baragge_A	229.83	TR 50 ANNI	3.82	5.67	6.30	6.39	6.77	0.013220	3.05	1.25	2.01	1.23
Baragge_A	229.83	TR 100 ANNI	4.46	5.67	6.37	6.47	6.89	0.013435	3.20	1.39	2.01	1.23
Baragge_A	229.83	TR 200 ANNI	5.13	5.67	6.44	6.55	7.01	0.013550	3.34	1.54	2.01	1.22
Baragge_A	229.83	TR 500 ANNI	6.09	5.67	6.54	6.65	7.16	0.013577	3.50	1.74	2.01	1.20
Baragge_A	207.94	TR 50 ANNI	3.82	5.29	5.86	6.01	6.43	0.017308	3.35	1.14	2.01	1.42
Baragge_A	207.94	TR 100 ANNI	4.46	5.29	5.93	6.09	6.55	0.017001	3.48	1.28	2.01	1.39
Baragge_A	207.94	TR 200 ANNI	5.13	5.29	6.00	6.17	6.66	0.016871	3.62	1.42	2.01	1.37
Baragge_A	207.94	TR 500 ANNI	6.09	5.29	6.09	6.27	6.82	0.016732	3.78	1.61	2.01	1.35
Baragge_A	203.49	TR 50 ANNI	3.82	5.05	5.34	5.60	6.30	0.027336	4.33	0.88	3.00	2.55
Baragge_A	203.49	TR 100 ANNI	4.46	5.05	5.38	5.66	6.42	0.026103	4.51	0.99	3.00	2.51
Baragge_A	203.49	TR 200 ANNI	5.13	5.05	5.42	5.72	6.53	0.025156	4.68	1.10	3.00	2.47
Baragge_A	203.49	TR 500 ANNI	6.09	5.05	5.46	5.80	6.68	0.024115	4.89	1.24	3.01	2.43

HEC-RAS Plan: Plan 10 River: Baragge Reach: Baragge_A (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Baragge_A	198.15		Bridge									
Baragge_A	187.69	TR 50 ANNI	3.82	4.65	4.95	5.20	5.85	0.024564	4.18	0.91	3.00	2.42
Baragge_A	187.69	TR 100 ANNI	4.46	4.65	4.99	5.26	5.97	0.024157	4.39	1.02	3.00	2.41
Baragge_A	187.69	TR 200 ANNI	5.13	4.65	5.02	5.32	6.10	0.023787	4.59	1.12	3.00	2.40
Baragge_A	187.69	TR 500 ANNI	6.09	4.65	5.07	5.40	6.26	0.023240	4.83	1.26	3.00	2.38
Baragge_A	169.47	TR 50 ANNI	3.82	4.21	5.19	4.76	5.27	0.000766	1.30	2.93	3.01	0.42
Baragge_A	169.47	TR 100 ANNI	4.46	4.21	5.30	4.82	5.39	0.000774	1.37	3.27	3.01	0.42
Baragge_A	169.47	TR 200 ANNI	5.13	4.21	5.41	4.88	5.51	0.000789	1.43	3.59	3.01	0.42
Baragge_A	169.47	TR 500 ANNI	6.09	4.21	5.55	4.96	5.66	0.000819	1.52	4.02	3.01	0.42
Baragge_A	163.63	TR 50 ANNI	3.82	4.10	5.20	4.65	5.26	0.000556	1.16	3.29	3.01	0.35
Baragge_A	163.63	TR 100 ANNI	4.46	4.10	5.31	4.71	5.38	0.000582	1.23	3.63	3.01	0.36
Baragge_A	163.63	TR 200 ANNI	5.13	4.10	5.41	4.77	5.50	0.000609	1.30	3.95	3.01	0.36
Baragge_A	163.63	TR 500 ANNI	6.09	4.10	5.56	4.85	5.65	0.000651	1.39	4.37	3.01	0.37

HEC-RAS Plan: Plan 10 River: Baragge Reach: Baragge_A

Reach	River Sta	Profile	E.G. US.	W.S. US.	E.G. IC	E.G. OC	Min El Weir Flow	Q Culv Group	Q Weir	Delta WS	Culv Vel US	Culv Vel DS
			(m)	(m)	(m)	(m)	(m)	(m3/s)	(m3/s)	(m)	(m/s)	(m/s)
Baragge_A	709.11 Culvert #1	TR 50 ANNI	25.12	25.06	25.05	25.12	25.43	1.17		0.10	1.63	1.56
Baragge_A	709.11 Culvert #2	TR 50 ANNI	25.12	25.06	25.05	25.12	25.43	1.17		0.10	1.63	1.56
Baragge_A	709.11 Culvert #1	TR 100 ANNI	25.24	25.21	25.16	25.24	25.43	1.36		0.18	1.77	1.74
Baragge_A	709.11 Culvert #2	TR 100 ANNI	25.24	25.21	25.16	25.24	25.43	1.36		0.18	1.77	1.74
Baragge_A	709.11 Culvert #1	TR 200 ANNI	25.41	25.39	25.28	25.41	25.43	1.56		0.24	1.98	1.98
Baragge_A	709.11 Culvert #2	TR 200 ANNI	25.41	25.39	25.28	25.41	25.43	1.56		0.24	1.98	1.98
Baragge_A	709.11 Culvert #1	TR 500 ANNI	25.56	25.54	25.35	25.56	25.43	1.66	0.36	0.28	2.12	2.12
Baragge_A	709.11 Culvert #2	TR 500 ANNI	25.56	25.54	25.35	25.56	25.43	1.66	0.36	0.28	2.12	2.12

HEC-RAS Plan: Plan 10 River: Baragge Reach: Baragge_A

Reach	River Sta	Profile	E.G. US.	Min El Prs	BR Open Area	Prs O WS	Q Total	Min El Weir Flow	Q Weir	Delta EG	BR Sluice Coef
			(m)	(m)	(m2)	(m)	(m3/s)	(m)	(m3/s)	(m)	
Baragge_A	198.15	TR 50 ANNI	6.30	6.55	4.52	5.34	3.82	6.65		0.45	
Baragge_A	198.15	TR 100 ANNI	6.42	6.55	4.52	5.38	4.46	6.65		0.44	
Baragge_A	198.15	TR 200 ANNI	6.53	6.55	4.52	5.42	5.13	6.65		0.43	
Baragge_A	198.15	TR 500 ANNI	6.68	6.55	4.52	5.46	6.09	6.65		0.42	

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PFTE E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE LONGITUDINALI - CANALE BARAGGE E CONFLUENZA**

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Levee El Left	Levee El Right		tirante idrico h	incremento per sopralzo in curva	articolo 21 N.A. PAI, commi:								Franco richiesto	Franco disponibile SX	Franco disponibile Dx
																		2 bis -c1							2 bis -c2			
																		punto 1	punto 2	punto 3								
			(m^3/s)	(m slm)	(m slm)	(m slm)	(m slm)	(m/m)	(m/s)	(m2)	(m slm)		(m slm)	(m slm)		(m)	(m)	(m)	(m)	0.87*Vy	α	y'	(m)	2*Y (opz)			(m)	(m)
Baragge_A	700.2	Tr 200 anni	3.11	24.05	25.14	24.64	25.2	0.00084	1.07	2.9	3.21	0.36	25.45	25.56		1.09		0.0292	1	0.90831	0	1.09	0.90830667	0	0	1.00	0.31	0.42
Baragge_A	698.7	Tr 200 anni	3.11	23.96	24.85	24.85	25.17	0.007605	2.51	1.24	1.93	1	26	26		0.89		0.1606	0.89	0.82076	0	0.89	0.82075636	1.78	0	1.00	1.15	1.15
Baragge_A	663.79	Tr 200 anni	3.11	23.14	23.71	23.98	24.63	0.032187	4.25	0.73	1.8	2.13	24.82	24.82		0.57		0.4603	0.57	0.65684	0	0.57	0.6568356	1.14	0	1.00	1.11	1.11
Baragge_A	637.12	Tr 200 anni	4.21	22.38	23.12	23.37	23.93	0.021131	3.98	1.06	1.88	1.7	24.19	24.19		0.74		0.4037	0.74	0.7484	0	0.74	0.7484023	1.48	0	1.00	1.07	1.07
Baragge_A	611.93	Tr 200 anni	4.21	21.65	22.35	22.64	23.31	0.027136	4.36	0.97	1.86	1.93	23.56	23.56		0.7		0.4844	0.7	0.72789	0	0.7	0.72789422	1.4	0	1.00	1.21	1.21
Baragge_A	586.93	Tr 200 anni	4.21	21.27	22.08	22.26	22.72	0.015176	3.53	1.19	1.92	1.43	24.36	23.32		0.81		0.3176	0.81	0.783	0	0.81	0.783	1.62	0	1.00	2.28	1.24
Baragge_A	572.73	Tr 200 anni	4.21	21.09	21.96	22.08	22.5	0.012342	3.27	1.29	1.94	1.28	24.61	23.26		0.87		0.2725	0.87	0.81148	0	0.87	0.81148198	1.74	0	1.00	2.65	1.30
Baragge_A	561.51	Tr 200 anni	4.21	20.87	21.68	21.86	22.33	0.015761	3.58	1.18	1.91	1.45	24.34	23.35		0.81		0.3266	0.81	0.783	0	0.81	0.783	1.62	0	1.00	2.66	1.67
Baragge_A	540.1	Tr 200 anni	4.21	20.46	21.23	21.45	21.96	0.018431	3.79	1.11	1.9	1.58	22.32	22.32		0.77		0.3661	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.09	1.09
Baragge_A	537.15	Tr 200 anni	4.21	20.4	21.03	21.3	21.88	0.030549	4.09	1.03	2.26	1.94	22.17	22.17		0.63		0.4263	0.63	0.69054	0	0.63	0.69054109	1.26	0	1.00	1.14	1.14
Baragge_A	507.33	Tr 200 anni	4.21	16.72	17.12	17.62	19.94	0.157055	7.43	0.57	1.81	4.23	19.22	19.22		0.4		1.4069	0.4	0.55024	0.243	0.4	0.64743631	1	0	1.41	2.10	2.10
Baragge_A	482.25	Tr 200 anni	4.21	16.35	16.98	17.26	17.85	0.031414	4.13	1.02	2.25	1.96	18.05	18.05		0.63		0.4347	0.63	0.69054	0	0.63	0.69054109	1.26	0	1.00	1.07	1.07
Baragge_A	456.8	Tr 200 anni	4.21	15.96	16.73	16.86	17.21	0.014067	3.07	1.37	2.55	1.34	17.83	17.83		0.77		0.2402	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.10	1.10
Baragge_A	431.66	Tr 200 anni	4.21	15.45	16.16	16.35	16.78	0.020016	3.5	1.2	2.41	1.58	17.53	17.53		0.71		0.3122	0.71	0.73308	0	0.71	0.73307503	1.42	0	1.00	1.37	1.37
Baragge_A	406.05	Tr 200 anni	4.21	14.93	15.83	15.83	16.14	0.00683	2.44	1.78	3.31	0.96	17.22	17.22		0.9		0.1517	0.9	0.82535	0	0.9	0.82535447	1.8	0	1.00	1.39	1.39
Baragge_A	380.03	Tr 200 anni	4.21	14.4	15.07	15.3	15.79	0.024291	3.76	1.12	2.34	1.74	16.68	16.68		0.67		0.3603	0.67	0.71213	0	0.67	0.71212569	1.34	0	1.00	1.61	1.61
Baragge_A	355.1	Tr 200 anni	4.21	12.06	12.52	12.96	14.57	0.101413	6.34	0.66	1.91	3.44	14.29	14.29		0.46		1.0244	0.46	0.59006	0.134	0.46	0.65170271	1	0	1.02	1.77	1.77
Baragge_A	330.13	Tr 200 anni	4.21	9.79	10.26	10.69	12.13	0.089469	6.06	0.69	1.94	3.24	11.76	11.76		0.47		0.9359	0.47	0.59644	0.106	0.47	0.64626195	1	0	1.00	1.50	1.50
Baragge_A	304.9	Tr 200 anni	4.21	7.45	7.92	8.35	9.84	0.092553	6.14	0.69	1.94	3.29	9.44	9.44		0.47		0.9607	0.47	0.59644	0.114	0.47	0.65002195	1	0	1.00	1.52	1.52
Baragge_A	280.16	Tr 200 anni	4.21	6.71	7.36	7.65	8.27	0.032258	4.23	1	2.05	1.93	8.51	8.51		0.65		0.4560	0.65	0.70142	0	0.65	0.70141642	1.3	0	1.00	1.15	1.15
Baragge_A	264.6	Tr 200 anni	5.13	6.32	7.18	7.38	7.84	0.018151	3.6	1.43	2.31	1.46	8.21	8.21		0.86		0.3303	0.86	0.8068	0	0.86	0.80680481	1.72	0	1.00	1.03	1.03
Baragge_A	256.3	Tr 200 anni	5.13	6.14	6.98	7.2	7.68	0.019478	3.69	1.39	2.29	1.51	8.04	8.04		0.84		0.3470	0.84	0.79737	0	0.84	0.79736817	1.68	0	1.00	1.06	1.06
Baragge_A	251.48	Tr 200 anni	5.13	5.98	6.57	6.86	7.54	0.028778	4.37	1.17	2.01	1.83	7.78	7.78		0.59		0.4867	0.59	0.66826	0	0.59	0.66825968	1.18	0	1.00	1.21	1.21
Baragge_A	229.83	Tr 200 anni	5.13	5.67	6.44	6.55	7.01	0.01355	3.34	1.54	2.01	1.22	7.47	7.47		0.77		0.2843	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.03	1.03
Baragge_A	207.94	Tr 200 anni	5.13	5.29	6	6.17	6.66	0.016871	3.62	1.42	2.01	1.37	7.27	7.27		0.71		0.3340	0.71	0.73308	0	0.71	0.73307503	1.42	0	1.00	1.27	1.27
Baragge_A	203.49	Tr 200 anni	5.13	5.05	5.42	5.72	6.53	0.025156	4.68	1.1	3	2.47	6.55	6.55		0.37		0.5582	0.37	0.5292	0	0.37	0.52920034	1	0	1.00	1.13	1.13
Baragge_A	198.15		Bridge																									
Baragge_A	187.69	Tr 200 anni	5.13	4.65	5.02	5.32	6.1	0.023787	4.59	1.12	3	2.4	6.35	6.35		0.37		0.5369	0.37	0.5292	0	0.37	0.52920034	1	0	1.00	1.33	1.33
Baragge_A	169.47	Tr 200 anni	5.13	4.21	5.41	4.88	5.51	0.000789	1.43	3.59	3.01	0.42	6.71	6.71		1.2		0.0521	1	0.95304	0	1.2	0.95303725	0	0	1.00	1.30	1.30
Baragge_A	163.63	Tr 200 anni	5.13	4.1	5.41	4.77	5.5	0.000609	1.3	3.95	3.01	0.36	6.77	6.77		1.31		0.0431	1	0.99576	0	1.31	0.99576051	0	0	1.00	1.36	1.36
Baragge_B	155.38	Tr 200 anni	11.59	4	5.24	4.95	5.52	0.003127	2.34	4.96	4.01	0.67	6.6	6.6		1.24		0.1395	1	0.96879	0	1.24	0.968791	0	0	1.00	1.36	1.36
Baragge_B	148.82	Tr 200 anni	11.59	3.92	5.29	4.8	5.47	0.001741	1.88	6.18	4.51	0.51	6.37	6.37		1.37		0.0901	1	1.01831	0	1.37	1.01830889	0	0	1.02	1.08	1.08
Baragge_B	144.92	Tr 200 anni	11.59	3.86	5.32	4.68	5.45	0.000629	1.58	7.32	5	0.42	6.46	6.46		1.46		0.0636	1	1.05122	0	1.46	1.051225	0	0	1.05	1.14	1.14
Baragge_B	128.33	Tr 200 anni	11.59	3.79	5.28	4.81	5.43	0.001102	1.77	6.92	6.47	0.5	6.35	6.35		1.49		0.0798	1	1.06197	0	1.49	1.06197034	0	0	1.06	1.07	1.07
Baragge_B	103.41	Tr 200 anni	11.59	3.69	4.9	4.9	5.36	0.004819	2.99	4.01	4.93	0.97	6.22	6.22		1.21		0.2278	1	0.957	0	1.21	0.957	0	0	1.00	1.32	1.32
Baragge_B	82.48	Tr 200 anni	11.59	3.3	4.23	4.51	5.15	0.014467	4.23	2.74	3.87	1.61	5.7	5.7		0.93		0.4560	0.93	0.839	0	0.93	0.83899762	1.86	0	1.00	1.47	1.47
Baragge_B	64.11	Tr 200 anni	11.59	2	2.63	3.14	4.6	0.046751	6.21	1.87	3.9	2.87	4.5	4.5		0.63	0.70	0.9828	0.63	0.69054	0.121	0.63	0.76677109	1.26	0	1.70	1.87	1.87
Baragge_B	57.08	Tr 200 anni	11.59	1.48	2.09	2.62	4.24	0.052626	6.48	1.79	3.84	3.03	3.98	3.98		0.61	0.70	1.0701	0.61	0.67949	0.148	0.61	0.76977172	1.22	0	1.77	1.89	1.89
Baragge_B	49.59	Tr 200 anni	11.59	1	1.6	2.14	3.83	0.055342	6.6	1.76	3.81	3.11	3.5	3.5		0.6	0.70	1.1101	0.6	0.6739	0.16	0.6	0.7698991	1.2	0	1.81	1.90	1.90
Baragge_B	42.96	Tr 200 anni	11.59	0.82	1.45	1.96	3.41	0.046325	6.19	1.87	3.9	2.86	3.32	3.32		0.63	0.70	0.9765	0.63	0.69054	0.119	0.63	0.76551109	1.26	0	1.70	1.87	1.87
Baragge_B	33.97	Tr 200 anni	11.59	0.55	1.21	1.69	2.96	0.039696	5.86	1.98	3.98	2.66	3.05	3.05		0.66	0.70	0.8751	0.66	0.70679	0.086	0.66	0.76355134	1.32	0	1.70	1.84	1.84
Baragge_B	22.56	Tr 200 anni	11.59	0.3	1.01	1.44	2.48	0.031229	5.38	2.16	4.12	2.37	2.8	2.8		0.71		0.7376	0.71	0.73308	0.038	0.71	0.76005503	1.42	0	1.00	1.79	1.79
Baragge_B	6.99	Tr 200 anni	11.59	0	1.72	1.14	1.83	0.000666	1.51	8.34	7.77	0.4	2.5	2.5		1.72		0.0581	1	1.14099	0	1.72	1.1409943	0	0	1.14	0.78	0.78
Baragge_B	-14.29	Tr 200 anni	11.59	-0.65	1.8	-0.22	1.8	0.000002	0.07	197.68	116.55	0.01				2.45		0.0001	1	1.36177	0	2	1.3617654	0	0	1.36	-1.80	-1.80

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PROGETTO DEFINITIVO E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE TRASVERSALI - Attrav. Baragge - sez. 198.15**

		River Sta	Profile	Bridge Inv El DS	Br Inv El US	W.S.	Q Bridge	Br Vel US	Br Vel DS	QUOTA INTRADOSSO	FRANCHI DISPONIBILI	V2/2g	y	dh1	a	y'	dh2	0.7 v2/2g	FRANCHI RICHIESTI	50% di FRANCHI RICHIESTI	VERIFICA	Deficit
				(m slm)	(m slm)	(m slm)	(m3/s)	(m/s)	(m/s)	(m slm)	(m)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)		(m)
DOWNSTR	Max H	198.15	TR 200 ANNI		5.05	5.42	5.13	4.68		6.55	1.13	1.12	0.37	0.529	0.000	0.370	0.529	0.782	**1.000**		OK	**OK**
	Max V		TR 200 ANNI		5.05	5.42	5.13	4.68		6.55	1.13	1.12	0.37	0.529	0.000	0.370	0.529	0.782	**1.000**		OK	**OK**
UPSTR	Max H	198.15	TR 200 ANNI	4.65		5.43	5.13	4.49	4.49	6.55	1.12	1.03	0.78	0.768	0.000	0.780	0.768	0.720	**1.000**		OK	**OK**
	Max V		TR 200 ANNI	4.65		5.01	5.13	4.72		6.55	1.54	0.00	0.36	0.522	0.000	0.360	0.522	0.000	**1.000**		OK	**OK**

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PFTE E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE LONGITUDINALI - CANALE LICCIA**

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl	Levee El Left	Levee El Right		tirante idrico h	incremento per sopralzo in curva	articolo 21 N.A. PAI, commi:								Franco richiesto	Franco disponibile SX	Franco disponibile Dx
																		2 bis -c1							2 bis -c2			
																		punto 1	punto 2	punto 3								
			(m^3/s)	(m slm)	(m slm)	(m slm)	(m slm)	(m/m)	(m/s)	(m2)	(m slm)		(m slm)	(m slm)		(m)	(m)	(m)	(m)	0.87*Vy	α	y'	(m)	2*Y (opz)			(m)	(m)
Baragge_A	700.2	Tr 200 anni	3.11	24.05	25.14	24.64	25.2	0.00084	1.07	2.9	3.21	0.36	25.45	25.56		1.09		0.0292	1	0.90831	0	1.09	0.90830667	0	0	1.00	0.31	0.42
Baragge_A	698.7	Tr 200 anni	3.11	23.96	24.85	24.85	25.17	0.007605	2.51	1.24	1.93	1	26	26		0.89		0.1606	0.89	0.82076	0	0.89	0.82075636	1.78	0	1.00	1.15	1.15
Baragge_A	663.79	Tr 200 anni	3.11	23.14	23.71	23.98	24.63	0.032187	4.25	0.73	1.8	2.13	24.82	24.82		0.57		0.4603	0.57	0.65684	0	0.57	0.6568356	1.14	0	1.00	1.11	1.11
Baragge_A	637.12	Tr 200 anni	4.21	22.38	23.12	23.37	23.93	0.021131	3.98	1.06	1.88	1.7	24.19	24.19		0.74		0.4037	0.74	0.7484	0	0.74	0.7484023	1.48	0	1.00	1.07	1.07
Baragge_A	611.93	Tr 200 anni	4.21	21.65	22.35	22.64	23.31	0.027136	4.36	0.97	1.86	1.93	23.56	23.56		0.7		0.4844	0.7	0.72789	0	0.7	0.72789422	1.4	0	1.00	1.21	1.21
Baragge_A	586.93	Tr 200 anni	4.21	21.27	22.08	22.26	22.72	0.015176	3.53	1.19	1.92	1.43	24.36	23.32		0.81		0.3176	0.81	0.783	0	0.81	0.783	1.62	0	1.00	2.28	1.24
Baragge_A	572.73	Tr 200 anni	4.21	21.09	21.96	22.08	22.5	0.012342	3.27	1.29	1.94	1.28	24.61	23.26		0.87		0.2725	0.87	0.81148	0	0.87	0.81148198	1.74	0	1.00	2.65	1.30
Baragge_A	561.51	Tr 200 anni	4.21	20.87	21.68	21.86	22.33	0.015761	3.58	1.18	1.91	1.45	24.34	23.35		0.81		0.3266	0.81	0.783	0	0.81	0.783	1.62	0	1.00	2.66	1.67
Baragge_A	540.1	Tr 200 anni	4.21	20.46	21.23	21.45	21.96	0.018431	3.79	1.11	1.9	1.58	22.32	22.32		0.77		0.3661	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.09	1.09
Baragge_A	537.15	Tr 200 anni	4.21	20.4	21.03	21.3	21.88	0.030549	4.09	1.03	2.26	1.94	22.17	22.17		0.63		0.4263	0.63	0.69054	0	0.63	0.69054109	1.26	0	1.00	1.14	1.14
Baragge_A	507.33	Tr 200 anni	4.21	16.72	17.12	17.62	19.94	0.157055	7.43	0.57	1.81	4.23	19.22	19.22		0.4		1.4069	0.4	0.55024	0.243	0.4	0.64743631	1	0	1.41	2.10	2.10
Baragge_A	482.25	Tr 200 anni	4.21	16.35	16.98	17.26	17.85	0.031414	4.13	1.02	2.25	1.96	18.05	18.05		0.63		0.4347	0.63	0.69054	0	0.63	0.69054109	1.26	0	1.00	1.07	1.07
Baragge_A	456.8	Tr 200 anni	4.21	15.96	16.73	16.86	17.21	0.014067	3.07	1.37	2.55	1.34	17.83	17.83		0.77		0.2402	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.10	1.10
Baragge_A	431.66	Tr 200 anni	4.21	15.45	16.16	16.35	16.78	0.020016	3.5	1.2	2.41	1.58	17.53	17.53		0.71		0.3122	0.71	0.73308	0	0.71	0.73307503	1.42	0	1.00	1.37	1.37
Baragge_A	406.05	Tr 200 anni	4.21	14.93	15.83	15.83	16.14	0.00683	2.44	1.78	3.31	0.96	17.22	17.22		0.9		0.1517	0.9	0.82535	0	0.9	0.82535447	1.8	0	1.00	1.39	1.39
Baragge_A	380.03	Tr 200 anni	4.21	14.4	15.07	15.3	15.79	0.024291	3.76	1.12	2.34	1.74	16.68	16.68		0.67		0.3603	0.67	0.71213	0	0.67	0.71212569	1.34	0	1.00	1.61	1.61
Baragge_A	355.1	Tr 200 anni	4.21	12.06	12.52	12.96	14.57	0.101413	6.34	0.66	1.91	3.44	14.29	14.29		0.46		1.0244	0.46	0.59006	0.134	0.46	0.65170271	1	0	1.02	1.77	1.77
Baragge_A	330.13	Tr 200 anni	4.21	9.79	10.26	10.69	12.13	0.089469	6.06	0.69	1.94	3.24	11.76	11.76		0.47		0.9359	0.47	0.59644	0.106	0.47	0.64626195	1	0	1.00	1.50	1.50
Baragge_A	304.9	Tr 200 anni	4.21	7.45	7.92	8.35	9.84	0.092553	6.14	0.69	1.94	3.29	9.44	9.44		0.47		0.9607	0.47	0.59644	0.114	0.47	0.65002195	1	0	1.00	1.52	1.52
Baragge_A	280.16	Tr 200 anni	4.21	6.71	7.36	7.65	8.27	0.032258	4.23	1	2.05	1.93	8.51	8.51		0.65		0.4560	0.65	0.70142	0	0.65	0.70141642	1.3	0	1.00	1.15	1.15
Baragge_A	264.6	Tr 200 anni	5.13	6.32	7.18	7.38	7.84	0.018151	3.6	1.43	2.31	1.46	8.21	8.21		0.86		0.3303	0.86	0.8068	0	0.86	0.80680481	1.72	0	1.00	1.03	1.03
Baragge_A	256.3	Tr 200 anni	5.13	6.14	6.98	7.2	7.68	0.019478	3.69	1.39	2.29	1.51	8.04	8.04		0.84		0.3470	0.84	0.79737	0	0.84	0.79736817	1.68	0	1.00	1.06	1.06
Baragge_A	251.48	Tr 200 anni	5.13	5.98	6.57	6.86	7.54	0.028778	4.37	1.17	2.01	1.83	7.78	7.78		0.59		0.4867	0.59	0.66826	0	0.59	0.66825968	1.18	0	1.00	1.21	1.21
Baragge_A	229.83	Tr 200 anni	5.13	5.67	6.44	6.55	7.01	0.01355	3.34	1.54	2.01	1.22	7.47	7.47		0.77		0.2843	0.77	0.76342	0	0.77	0.7634219	1.54	0	1.00	1.03	1.03
Baragge_A	207.94	Tr 200 anni	5.13	5.29	6	6.17	6.66	0.016871	3.62	1.42	2.01	1.37	7.27	7.27		0.71		0.3340	0.71	0.73308	0	0.71	0.73307503	1.42	0	1.00	1.27	1.27
Baragge_A	203.49	Tr 200 anni	5.13	5.05	5.42	5.72	6.53	0.025156	4.68	1.1	3	2.47	6.55	6.55		0.37		0.5582	0.37	0.5292	0	0.37	0.52920034	1	0	1.00	1.13	1.13
Baragge_A	198.15		Bridge																									
Baragge_A	187.69	Tr 200 anni	5.13	4.65	5.02	5.32	6.1	0.023787	4.59	1.12	3	2.4	6.35	6.35		0.37		0.5369	0.37	0.5292	0	0.37	0.52920034	1	0	1.00	1.33	1.33
Baragge_A	169.47	Tr 200 anni	5.13	4.21	5.41	4.88	5.51	0.000789	1.43	3.59	3.01	0.42	6.71	6.71		1.2		0.0521	1	0.95304	0	1.2	0.95303725	0	0	1.00	1.30	1.30
Baragge_A	163.63	Tr 200 anni	5.13	4.1	5.41	4.77	5.5	0.000609	1.3	3.95	3.01	0.36	6.77	6.77		1.31		0.0431	1	0.99576	0	1.31	0.99576051	0	0	1.00	1.36	1.36
Baragge_B	155.38	Tr 200 anni	11.59	4	5.24	4.95	5.52	0.003127	2.34	4.96	4.01	0.67	6.6	6.6		1.24		0.1395	1	0.96879	0	1.24	0.968791	0	0	1.00	1.36	1.36
Baragge_B	148.82	Tr 200 anni	11.59	3.92	5.29	4.8	5.47	0.001741	1.88	6.18	4.51	0.51	6.37	6.37		1.37		0.0901	1	1.01831	0	1.37	1.01830889	0	0	1.02	1.08	1.08
Baragge_B	144.92	Tr 200 anni	11.59	3.86	5.32	4.68	5.45	0.000629	1.58	7.32	5	0.42	6.46	6.46		1.46		0.0636	1	1.05122	0	1.46	1.051225	0	0	1.05	1.14	1.14
Baragge_B	128.33	Tr 200 anni	11.59	3.79	5.28	4.81	5.43	0.001102	1.77	6.92	6.47	0.5	6.35	6.35		1.49		0.0798	1	1.06197	0	1.49	1.06197034	0	0	1.06	1.07	1.07
Baragge_B	103.41	Tr 200 anni	11.59	3.69	4.9	4.9	5.36	0.004819	2.99	4.01	4.93	0.97	6.22	6.22		1.21		0.2278	1	0.957	0	1.21	0.957	0	0	1.00	1.32	1.32
Baragge_B	82.48	Tr 200 anni	11.59	3.3	4.23	4.51	5.15	0.014467	4.23	2.74	3.87	1.61	5.7	5.7		0.93		0.4560	0.93	0.839	0	0.93	0.83899762	1.86	0	1.00	1.47	1.47
Baragge_B	64.11	Tr 200 anni	11.59	2	2.63	3.14	4.6	0.046751	6.21	1.87	3.9	2.87	4.5	4.5		0.63	0.70	0.9828	0.63	0.69054	0.121	0.63	0.76677109	1.26	0	1.70	1.87	1.87
Baragge_B	57.08	Tr 200 anni	11.59	1.48	2.09	2.62	4.24	0.052626	6.48	1.79	3.84	3.03	3.98	3.98		0.61	0.70	1.0701	0.61	0.67949	0.148	0.61	0.76977172	1.22	0	1.77	1.89	1.89
Baragge_B	49.59	Tr 200 anni	11.59	1	1.6	2.14	3.83	0.055342	6.6	1.76	3.81	3.11	3.5	3.5		0.6	0.70	1.1101	0.6	0.6739	0.16	0.6	0.7698991	1.2	0	1.81	1.90	1.90
Baragge_B	42.96	Tr 200 anni	11.59	0.82	1.45	1.96	3.41	0.046325	6.19	1.87	3.9	2.86	3.32	3.32		0.63	0.70	0.9765	0.63	0.69054	0.119	0.63	0.76551109	1.26	0	1.70	1.87	1.87
Baragge_B	33.97	Tr 200 anni	11.59	0.55	1.21	1.69	2.96	0.039696	5.86	1.98	3.98	2.66	3.05	3.05		0.66	0.70	0.8751	0.66	0.70679	0.086	0.66	0.76355134	1.32	0	1.70	1.84	1.84
Baragge_B	22.56	Tr 200 anni	11.59	0.3	1.01	1.44	2.48	0.031229	5.38	2.16	4.12	2.37	2.8	2.8		0.71		0.7376	0.71	0.73308	0.038	0.71	0.76005503	1.42	0	1.00	1.79	1.79
Baragge_B	6.99	Tr 200 anni	11.59	0	1.72	1.14	1.83	0.000666	1.51	8.34	7.77	0.4	2.5	2.5		1.72		0.0581	1	1.14099	0	1.72	1.1409943	0	0	1.14	0.78	0.78
Baragge_B	-14.29	Tr 200 anni	11.59	-0.65	1.8	-0.22	1.8	0.000002	0.07	197.68	116.55	0.01				2.45		0.0001	1	1.36177	0	2	1.3617654	0	0	1.36	-1.80	-1.80

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PROGETTO DEFINITIVO E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE TRASVERSALI - Attrav. via Capo d'Orso**

	River Sta	Profile	Culv Inv El DS	Culv Inv El US	W.S.	Q Culv	Culv Vel US	Culv Vel DS	QUOTA INTRADOSSO	FRANCHI DISPONIBILI	$V^2/2g$	y	dh1	a	y'	dh2	$0.7\ v^2/2g$	FRANCHI RICHIESTI	50% di FRANCHI RICHIESTI	VERIFICA	Deficit
			(m slm)	(m slm)	(m slm)	(m^3/s)	(m/s)	(m/s)	(m slm)	(m)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)		(m)
UPSTREAM	446.2	TR 200 ANNI		14.6	15.16	6.46	3.33		17.6	2.44	0.57	0.56	0.651	0.000	0.560	0.651	0.396	**1.000**		OK	**OK**
DOWNSTREAM	446.2	TR 200 ANNI	12.5		12.81	6.46		6.98	15.5	2.69	2.48	0.31	0.484	0.264	0.310	0.566	1.739	**1.739**		OK	**OK**

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PROGETTO DEFINITIVO E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE TRASVERSALI - Attrav. Parcheggio**

		River Sta	Profile	Bridge Inv El DS	Br Inv El US	W.S.	Q Bridge	Br Vel US	Br Vel DS	QUOTA INTRADOSSO	FRANCHI DISPONIBILI	V2/2g	y	dh1	a	y'	dh2	0.7 v2/2g	FRANCHI RICHIESTI	50% di FRANCHI RICHIESTI	VERIFICA	Deficit
				(m slm)	(m slm)	(m slm)	(m3/s)	(m/s)	(m/s)	(m slm)	(m)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)		(m)
DOWNSTR	Max H	243.6	TR 200 ANNI		6.32	7.31	6.46	2.18		8.5	1.19	0.24	0.99	0.866	0.000	0.990	0.866	0.170	**1.000**		OK	**OK**
	Max V		TR 200 ANNI		6.32	7.31	6.46	2.18		8.5	1.19	0.24	0.99	0.866	0.000	0.990	0.866	0.170	**1.000**		OK	**OK**
UPSTR	Max H	243.6	TR 200 ANNI	6.3		7.3	6.46	2.16	2.16	8.50	1.2	0.24	1.00	0.870	0.000	1.000	0.870	0.167	**1.000**		OK	**OK**
	Max V		TR 200 ANNI	6.3		7.3	6.46	2.17		8.50	1.2	0.00	1.00	0.870	0.000	1.000	0.870	0.000	**1.000**		OK	**OK**

COMUNE DI PALAU (SS)

"Interventi di risanamento idrogeologico ambito Canale Liccia Est e Canale Baragge "

PROGETTO DEFINITIVO E STUDIO DI COMP. IDRAULICA Verifica franchi di sicurezza - **OPERE TRASVERSALI - Attrav. via del Vecchio Marino**

		River Sta	Profile	Bridge Inv El DS	Br Inv El US	W.S.	Q Bridge	Br Vel US	Br Vel DS	QUOTA INTRADOSSO	FRANCHI DISPONIBILI	V2/2g	y	dh1	a	y'	dh2	0.7 v2/2g	FRANCHI RICHIESTI	50% di FRANCHI RICHIESTI	VERIFICA	Deficit
				(m slm)	(m slm)	(m slm)	(m3/s)	(m/s)	(m/s)	(m slm)	(m)	(m)	(m)	(m)		(m)	(m)	(m)	(m)	(m)		(m)
DOWNSTR	Max H	52.27	TR 200 ANNI		5.25	5.87	6.46	4.54		7.5	1.63	1.05	0.62	0.685	0.000	0.620	0.685	0.736	**1.000**		OK	**OK**
	Max V		TR 200 ANNI		5.25	5.6	6.46	4.64		7.5	1.9	1.10	0.35	0.515	0.000	0.350	0.515	0.768	**1.000**		OK	**OK**
UPSTR	Max H	52.27	TR 200 ANNI	5.1		5.74	6.46	2.54	2.54	7.3	1.56	0.33	0.64	0.696	0.000	0.640	0.696	0.230	**1.000**		OK	**OK**
	Max V		TR 200 ANNI	5.1		5.63	6.46	4.29		7.3	1.67	0.00	0.53	0.633	0.000	0.530	0.633	0.000	**1.000**		OK	**OK**