comune di montevarchi - provincia di arezzo

avvio del procedimento Del.C.C. n.55 del 15.05.2008
valutazione iniziale Del.G.C. n.171 del 17.07.2008
valutazione intermedia e rapporto ambientale preliminare Del.C.C. n.47 del 29.05.2009
relazione di sintesi finale - rapporto ambientale Del.G.C. n.251 del 29.10.2009
rapporto ambientale - relazione di sintesi non tecnica Del.C.C. n.9 del 18.02.2010
adozione Del.C.C. n.9 del 18.02.2010
parere motivato Del.C.G. n.188 del 02.09.2010
approvazione Del.C.C. n.62 del 30.09.2010

variante di adeguamento
alla disciplina urbanistica regionale e ai contenuti dell'art.55 co.6 della L.R.1/2005

RELAZIONE IDRAULICA - ALLEGATI

REGOLAMENTO URBANISTICO

settembre 2010

comune di montevarchi - provincia di arezzo

Sindaco	*Giorgio Valentini*
Assessore	*Moreno Grassi*
Responsabile del procedimento	*Domenico Scrascia*
Garante della comunicazione	*Francesca Barucci*
Progetto	*Stefania Fanfani*
	Domenico Scrascia
Sistema informativo	*Ugo Fabbri*
Ufficio di piano	*Gabriele Banchetti*
	Stefano Borchi
Indagini geologiche ed idrauliche	*Claudia Lombardi*
	Roberto Nevini
	Michele Sani

RELAZIONE IDRAULICA - ALLEGATI

REGOLAMENTO URBANISTICO

settembre 2010

verifiche idrauliche di progetto

borro dello Spedaluzzo - stato di progetto

<u>verifiche con Tpioggia critico per il Borro dello Spedaluzzo</u>

- moto vario

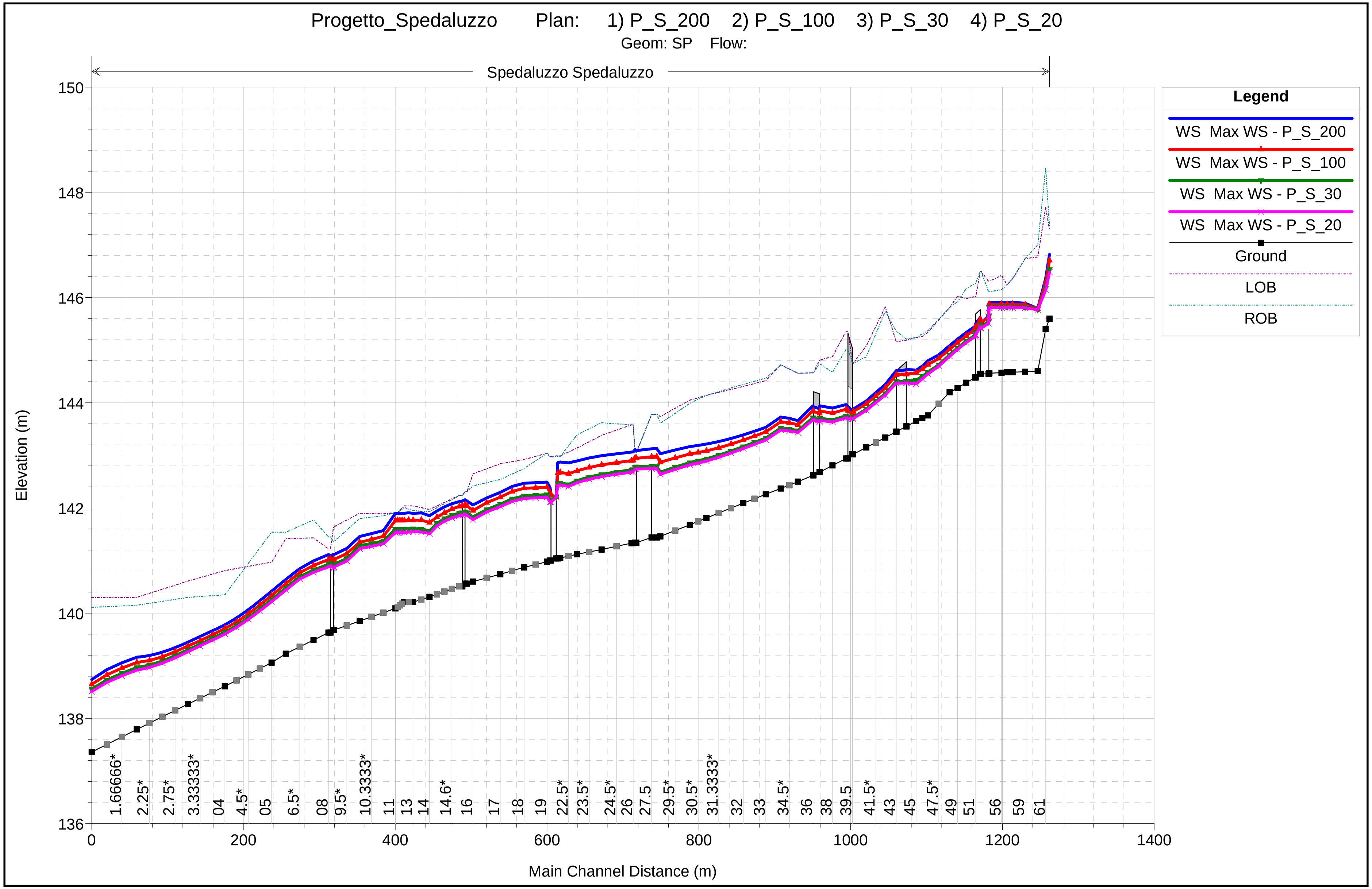
  Tr=200, 100, 30 e 20 anni

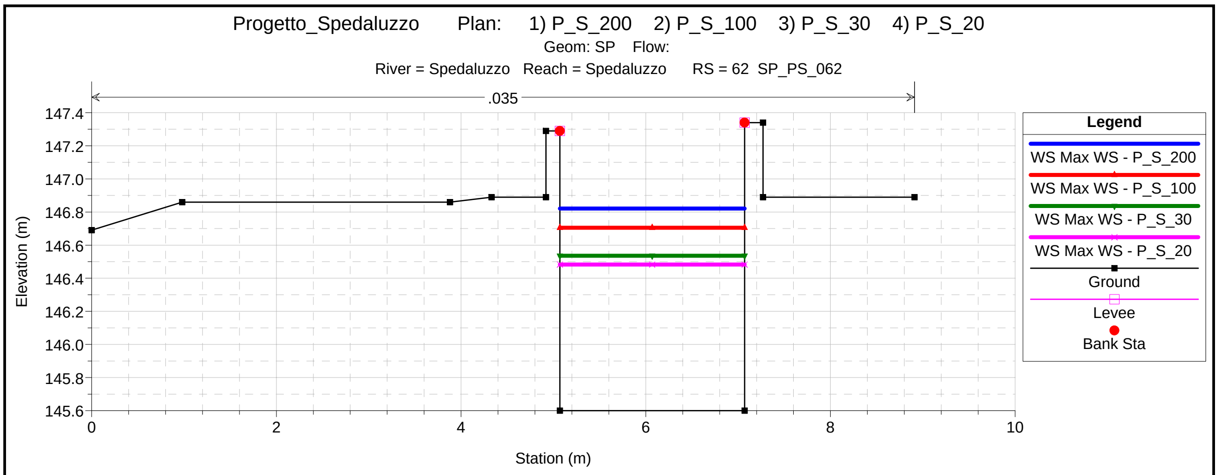
  profilo

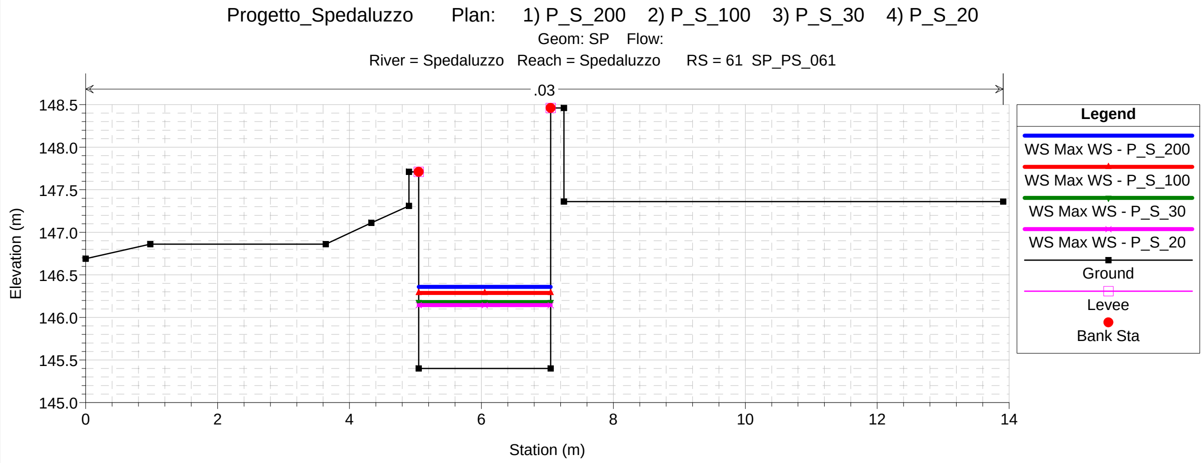
  livelli idrici nelle sezioni di verifica

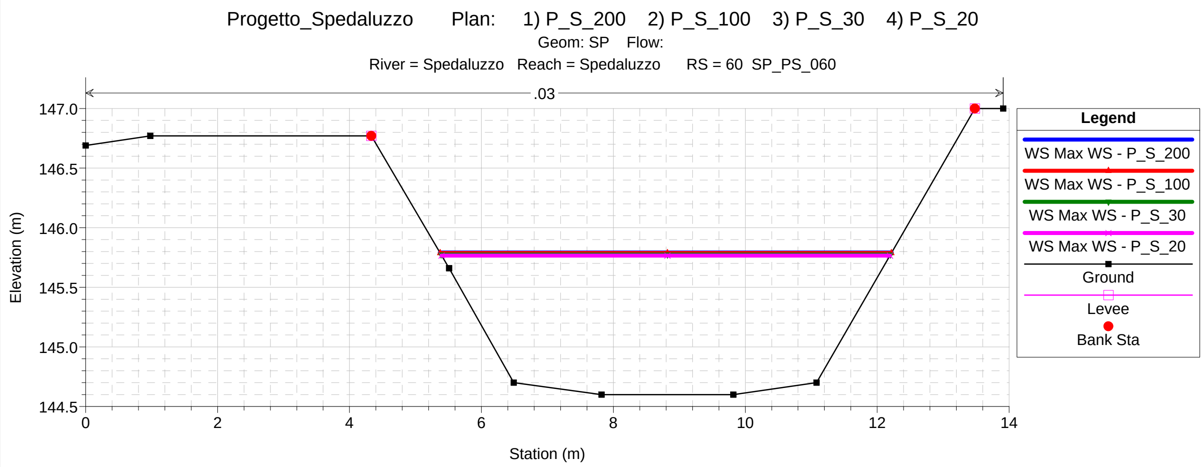
  tabella di output del software Hec-ras 4.0

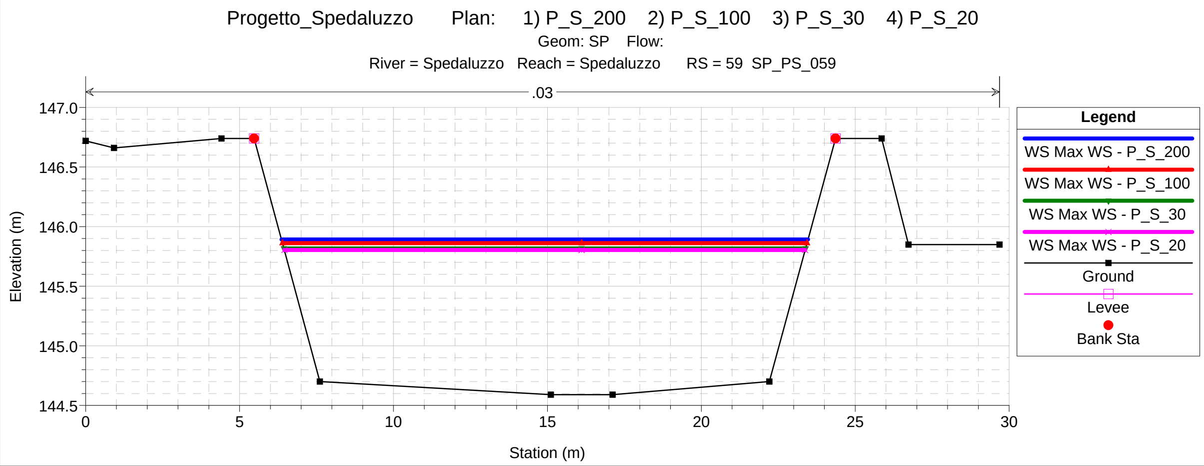
  livelli e portate in ingresso alle aree di accumulo

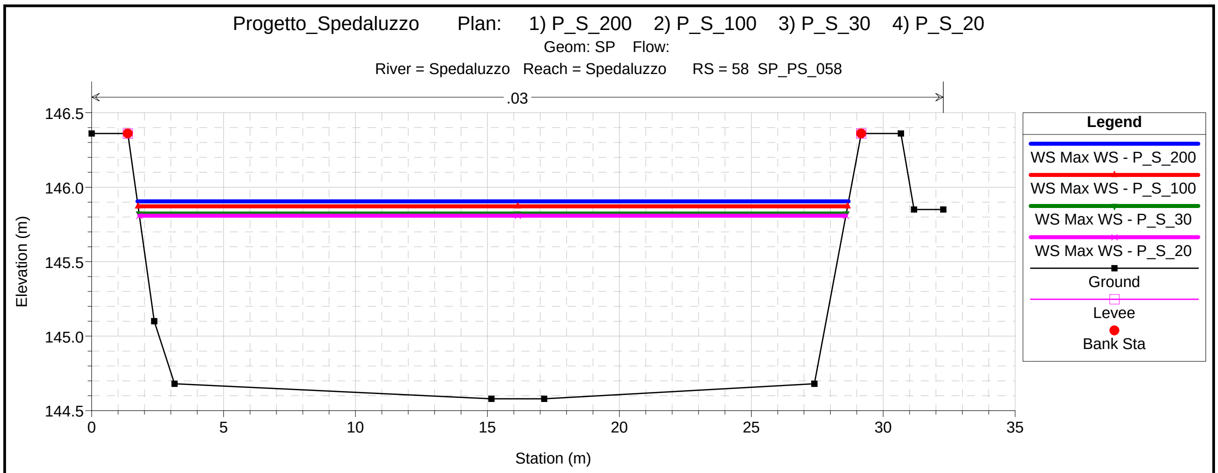

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
Spedaluzzo Spedaluzzo
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
LOB
ROB
Elevation (m)
150
148
146
144
142
140
138
136
Main Channel Distance (m)
0
200
400
600
800
1000
1200
1400
1.66666*
2.25*
2.75*
3.33333*
04
4.5*
05
6.5*
08
9.5*
10.3333*
11
13
14
14.6*
16
17
18
19
22.5*
23.5*
24.5*
26
27.5
29.5*
30.5*
31.3333*
32
33
34.5*
36
38
39.5
41.5*
43
45
47.5*
49
51
56
59
61

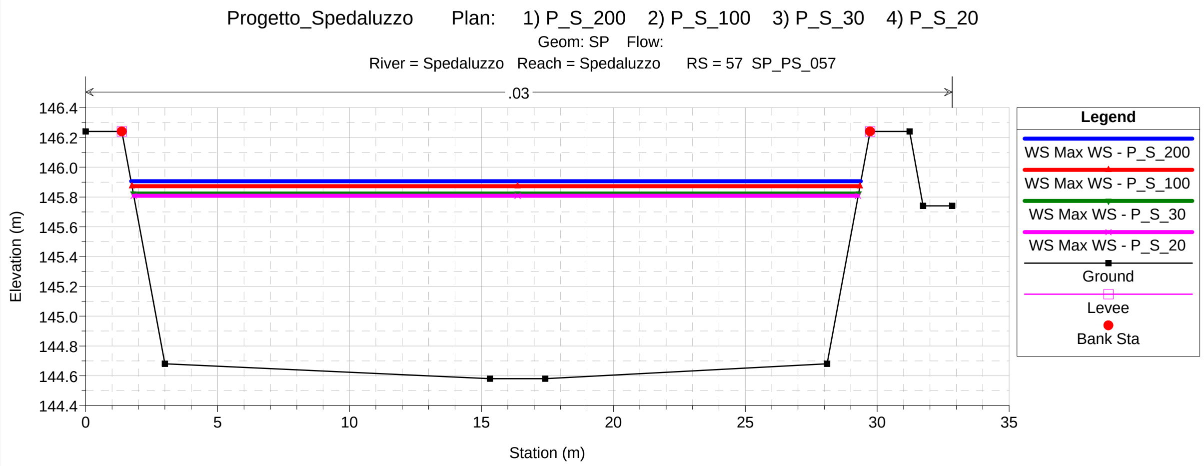

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 62 SP_PS_062
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

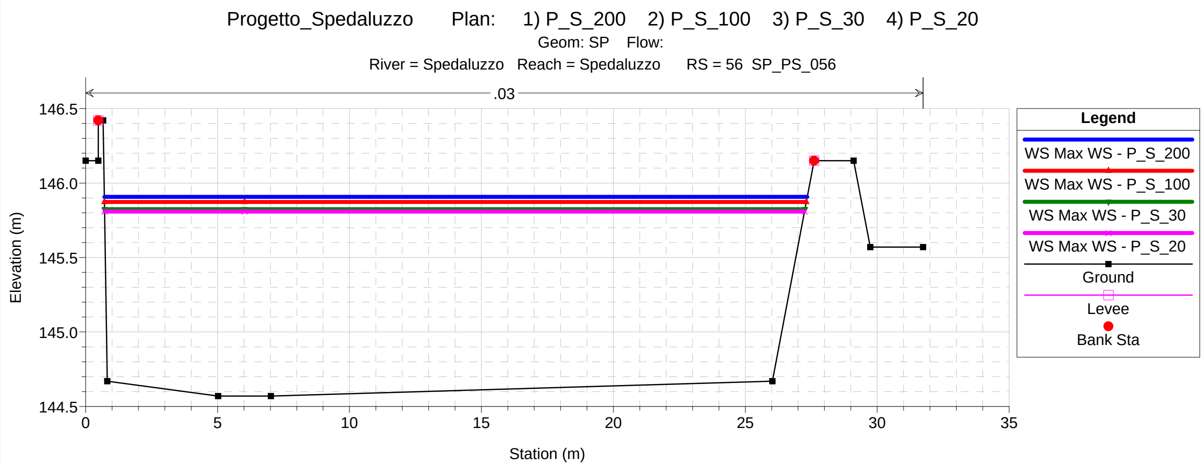

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 61 SP_PS_061
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

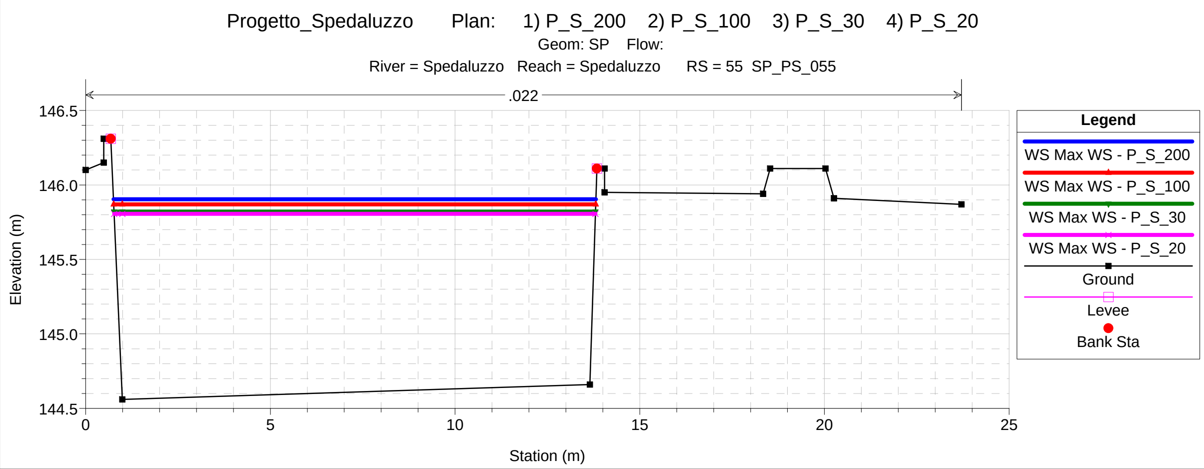

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 60 SP_PS_060
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

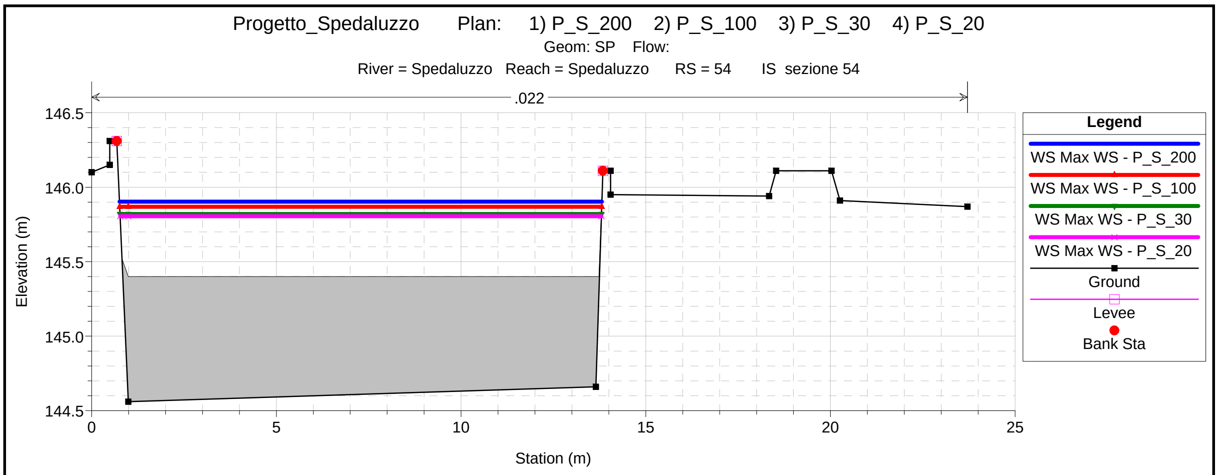

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 59 SP_PS_059
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

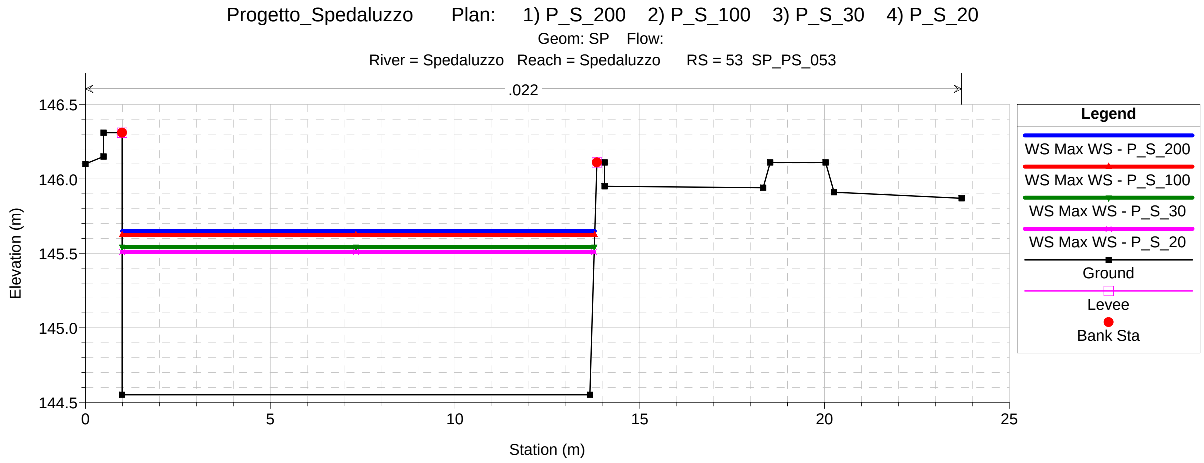

Progetto_Spedalluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 58 SP_PS_058
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

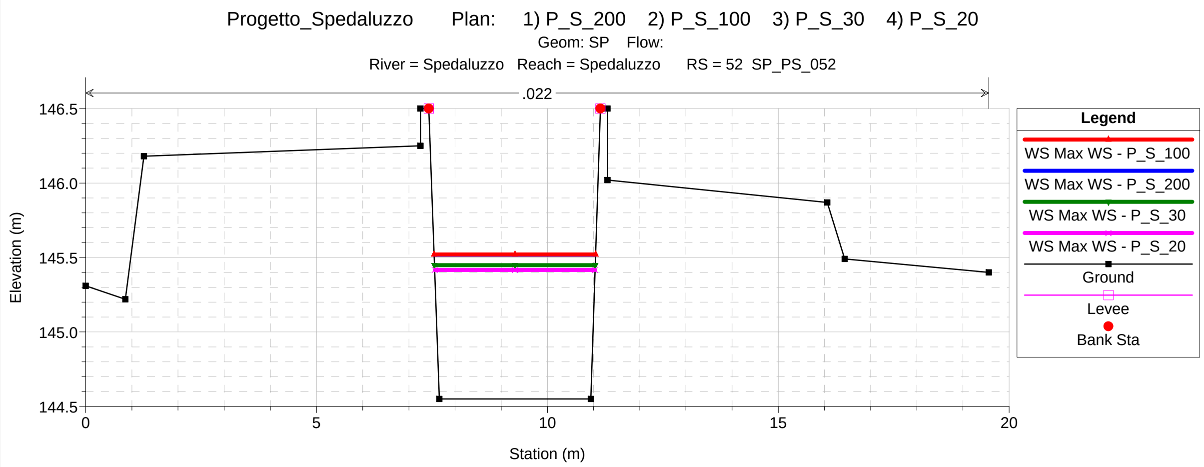

Progetto_Spedalluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 57 SP_PS_057
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

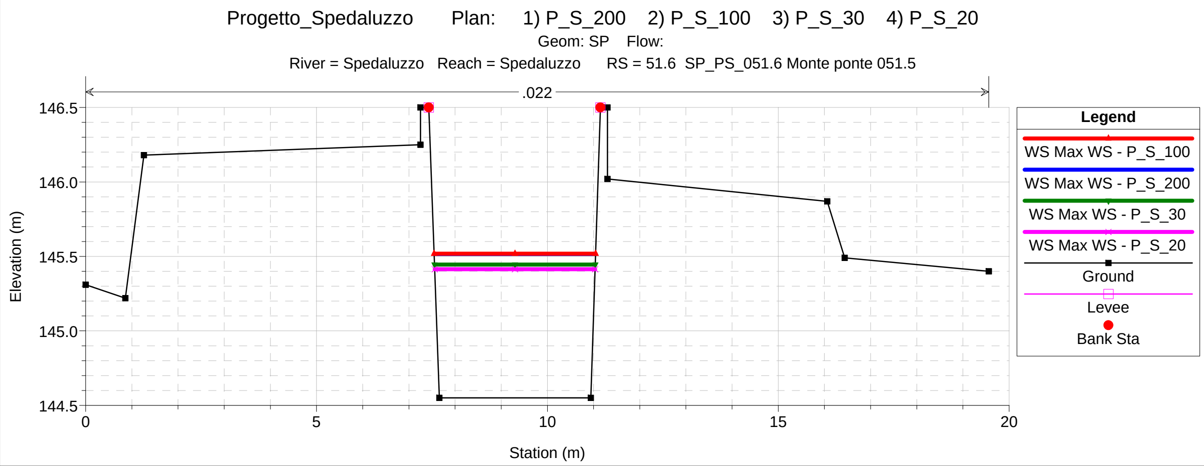

Progetto_Spedalluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 56 SP_PS_056
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

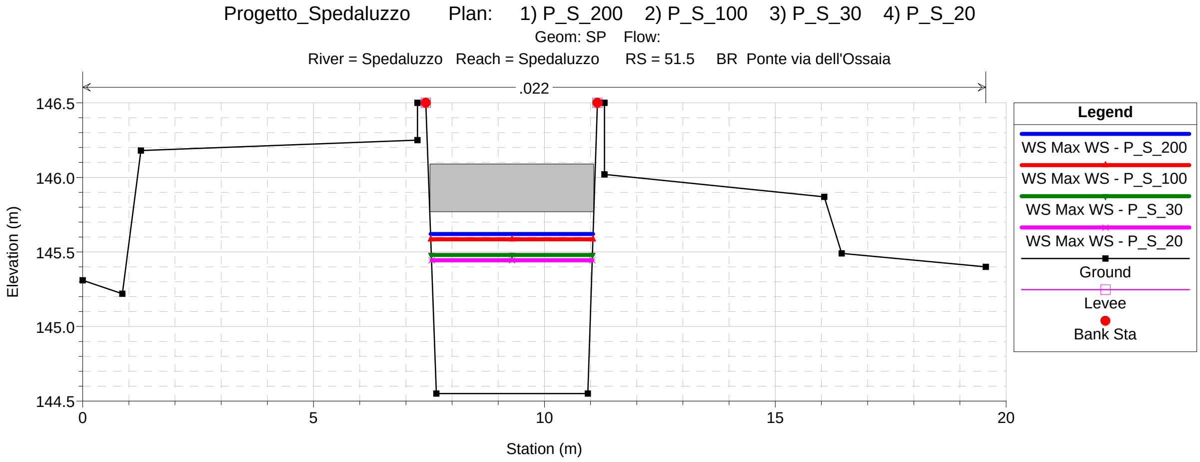

Progetto_Spedalluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 55 SP_PS_055
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

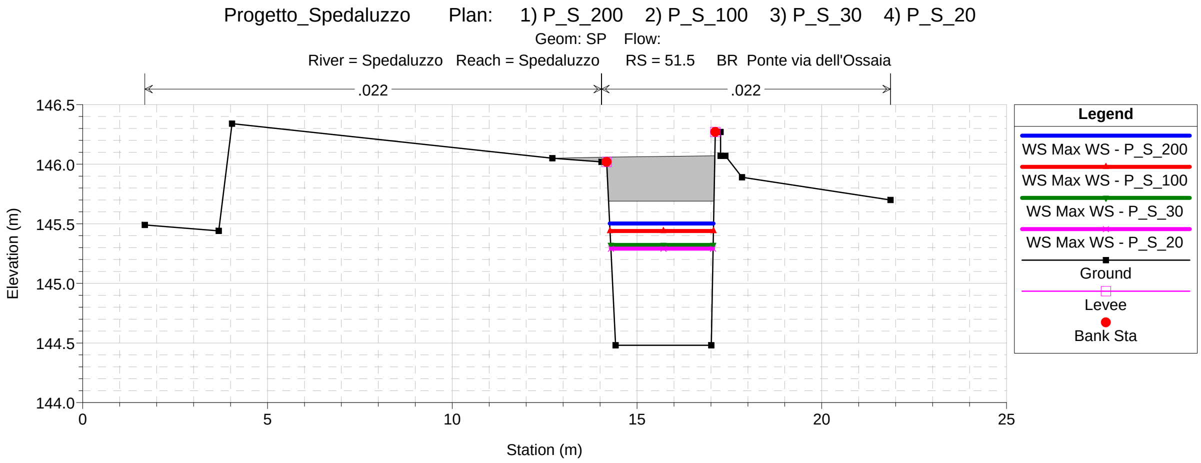

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 54 IS sezione 54
.022
Elevation (m)
Station (m)
146.5
146.0
145.5
145.0
144.5
0
5
10
15
20
25
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

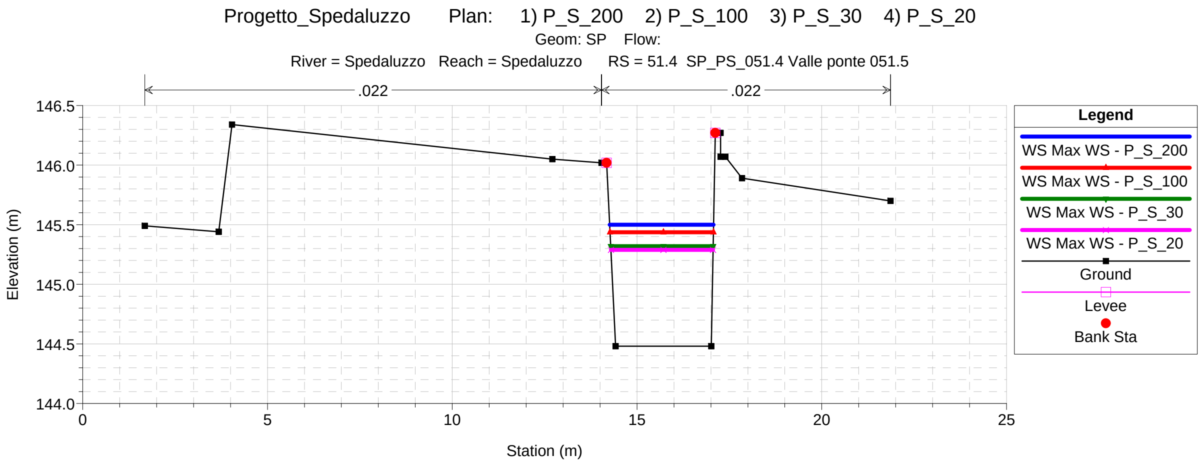

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 53 SP_PS_053
.022
Elevation (m)
Station (m)
146.5
146.0
145.5
145.0
144.5
0
5
10
15
20
25
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

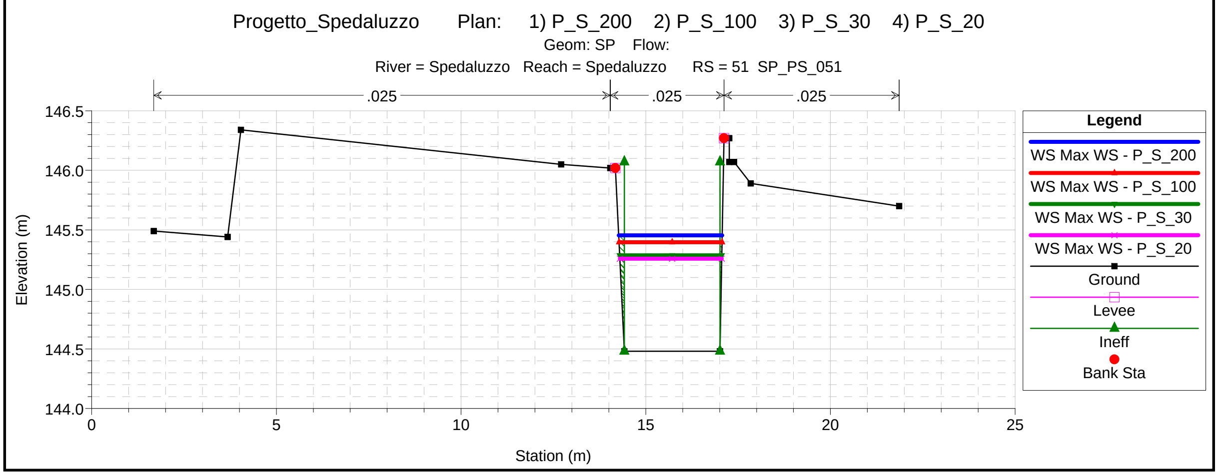

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 52 SP_PS_052
.022
Elevation (m)
Station (m)
146.5
146.0
145.5
145.0
144.5
0
5
10
15
20
Legend
WS Max WS - P_S_100
WS Max WS - P_S_200
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

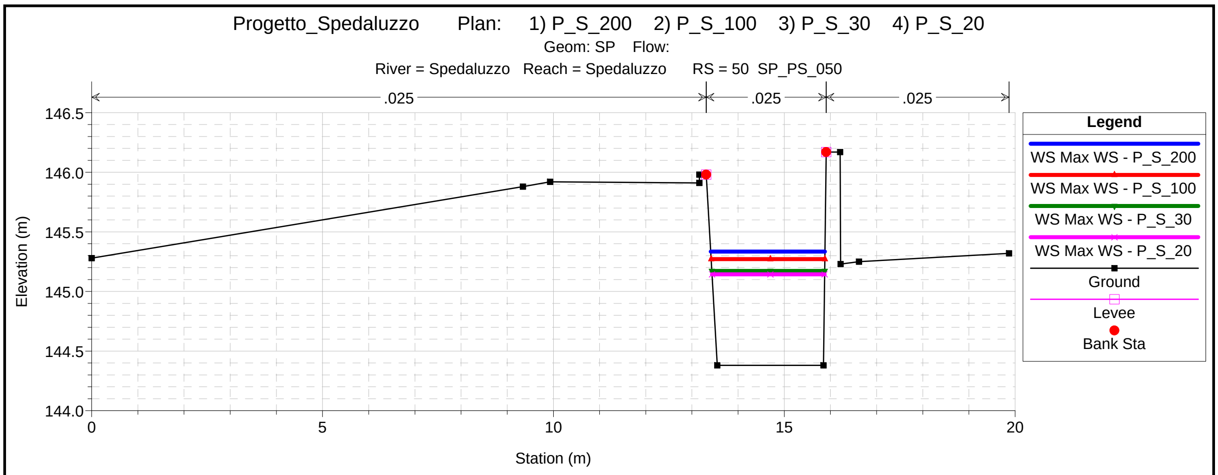

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 51.6 SP_PS_051.6 Monte ponte 051.5
.022
Elevation (m)
Station (m)
146.5
146.0
145.5
145.0
144.5
0
5
10
15
20
Legend
WS Max WS - P_S_100
WS Max WS - P_S_200
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

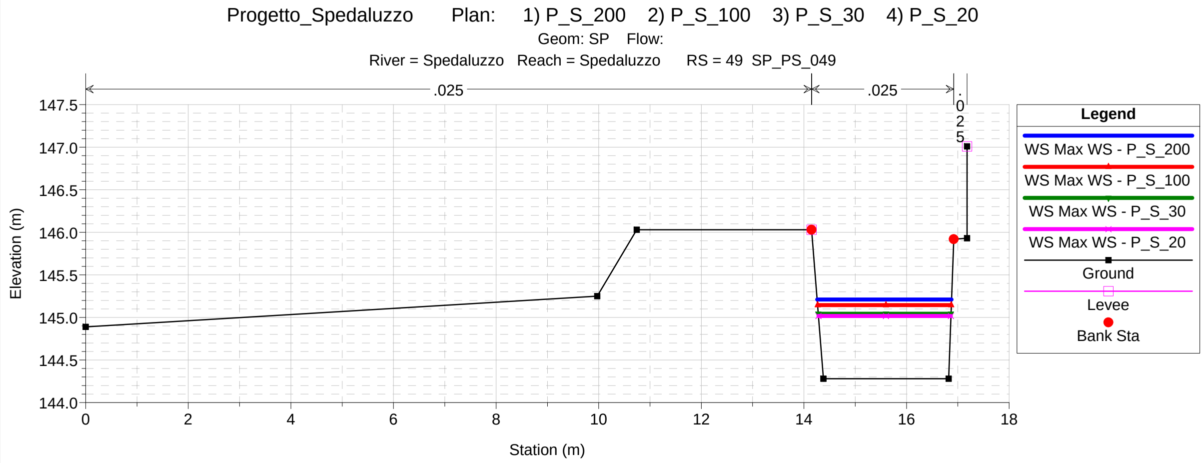

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 51.5 BR Ponte via dell'Ossaia
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

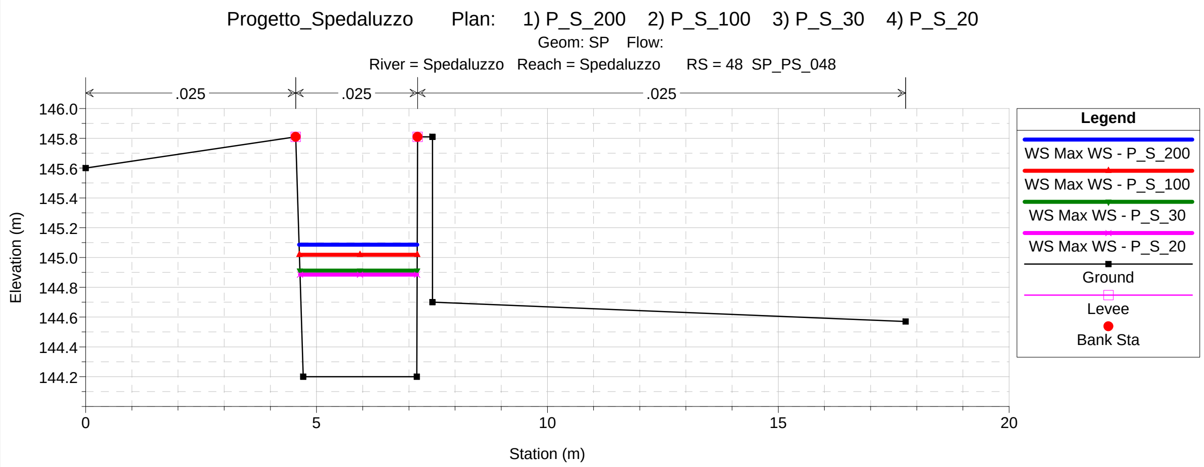

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 51.5 BR Ponte via dell'Ossaia
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

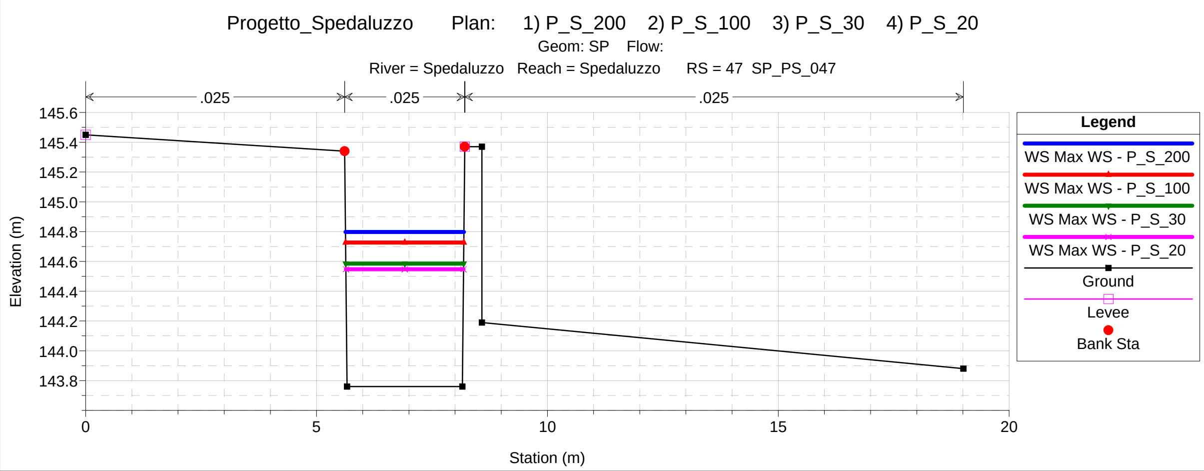

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 51.4 SP_PS_051.4 Valle ponte 051.5
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

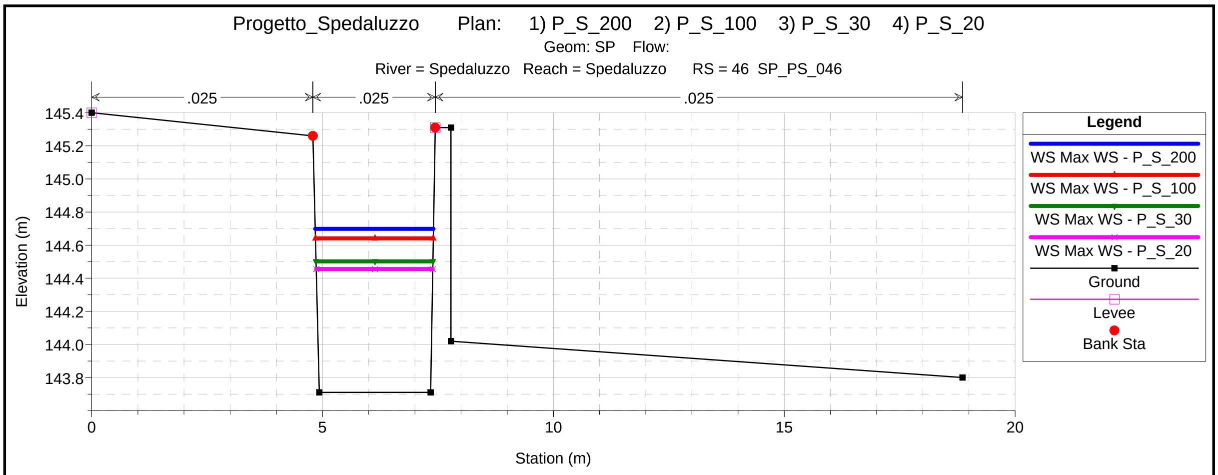

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 51 SP_PS_051
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Ineff
Bank Sta

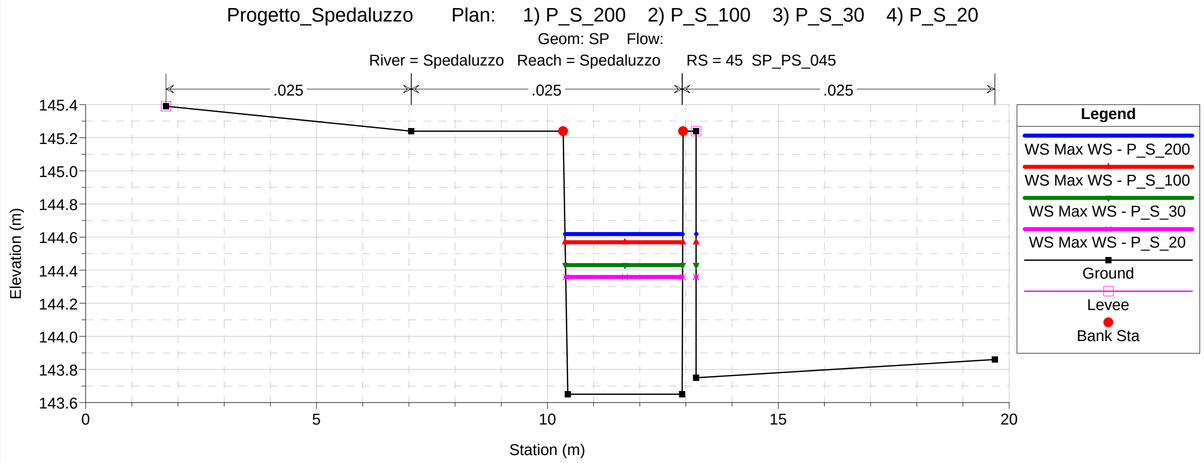

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 50 SP_PS_050
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

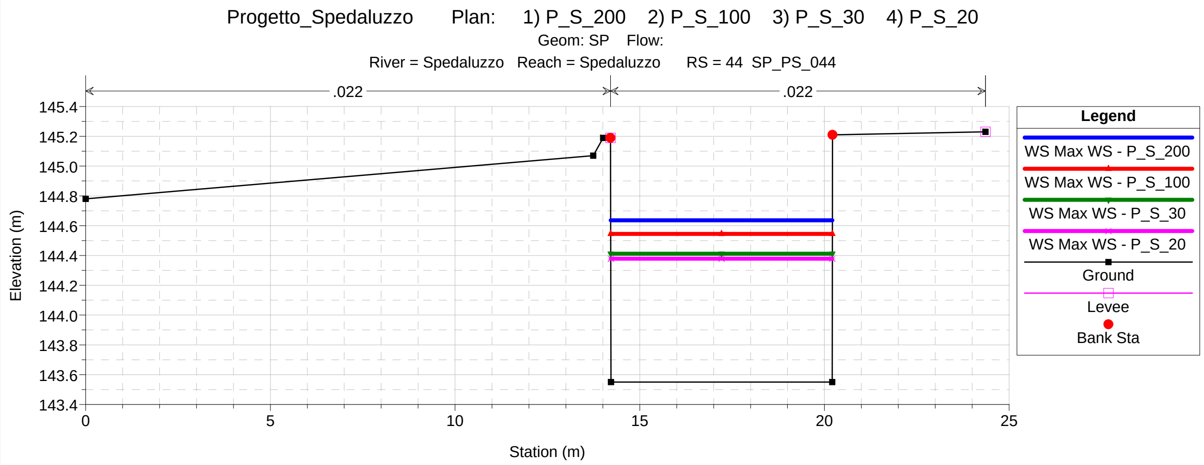

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 49 SP_PS_049
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

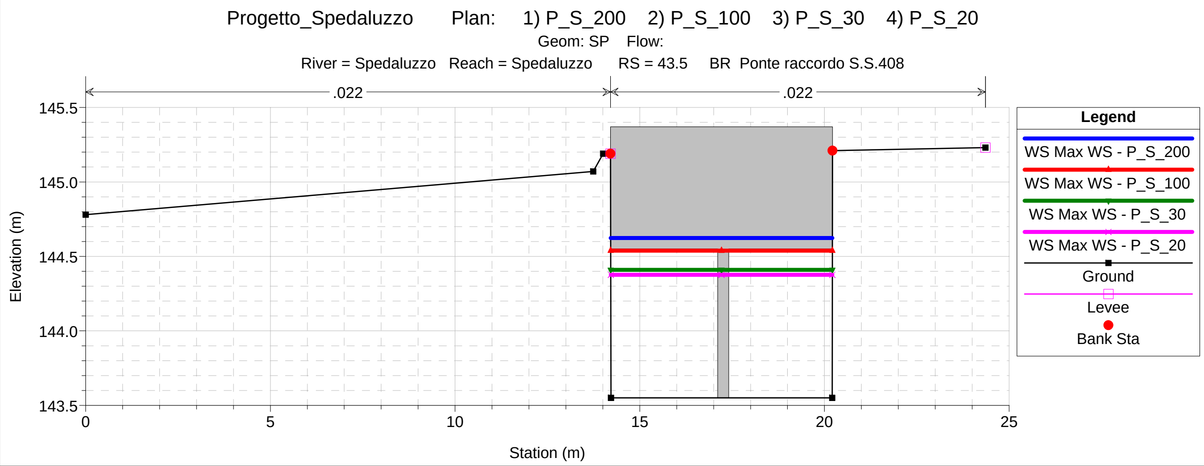

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 48 SP_PS_048
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

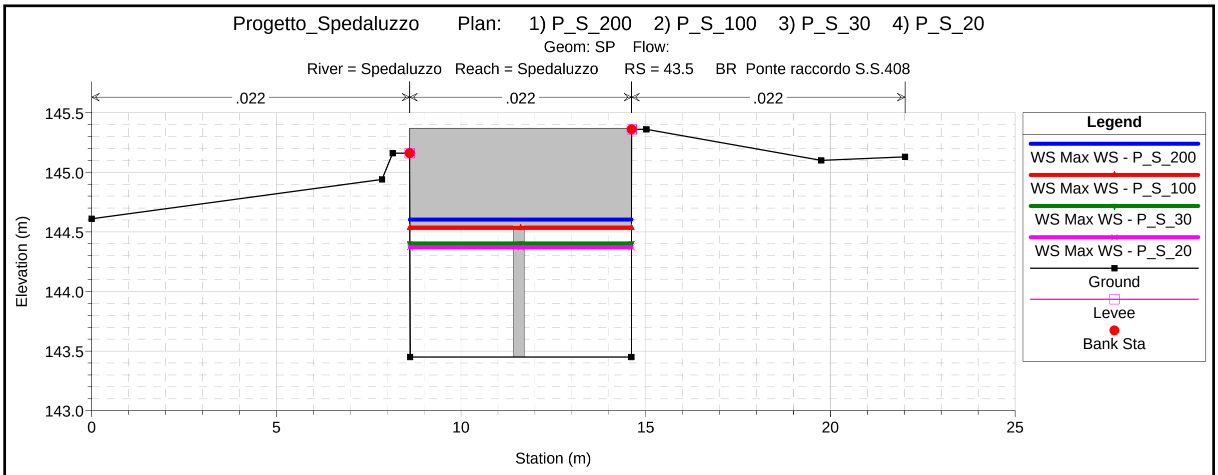

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 47 SP_PS_047
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

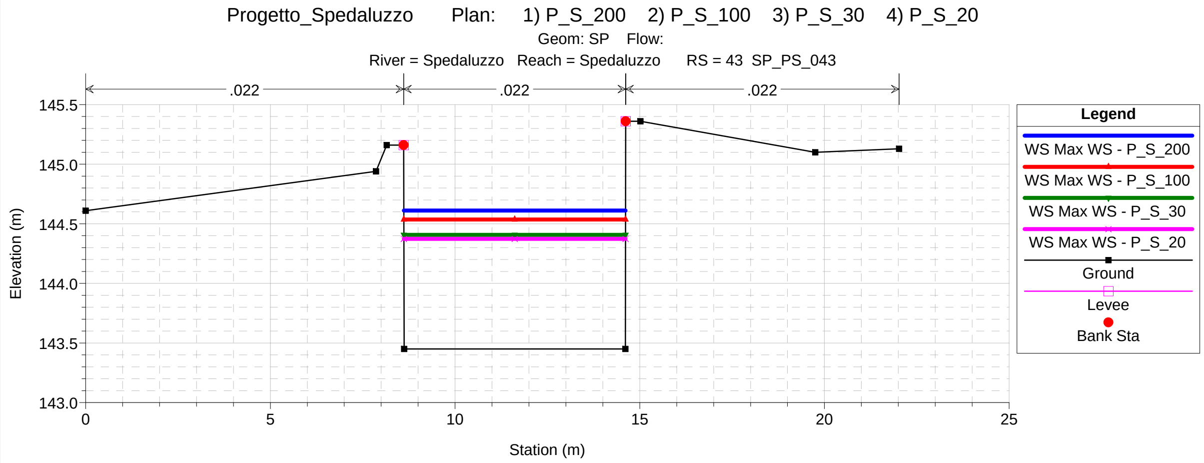

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 46 SP_PS_046
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

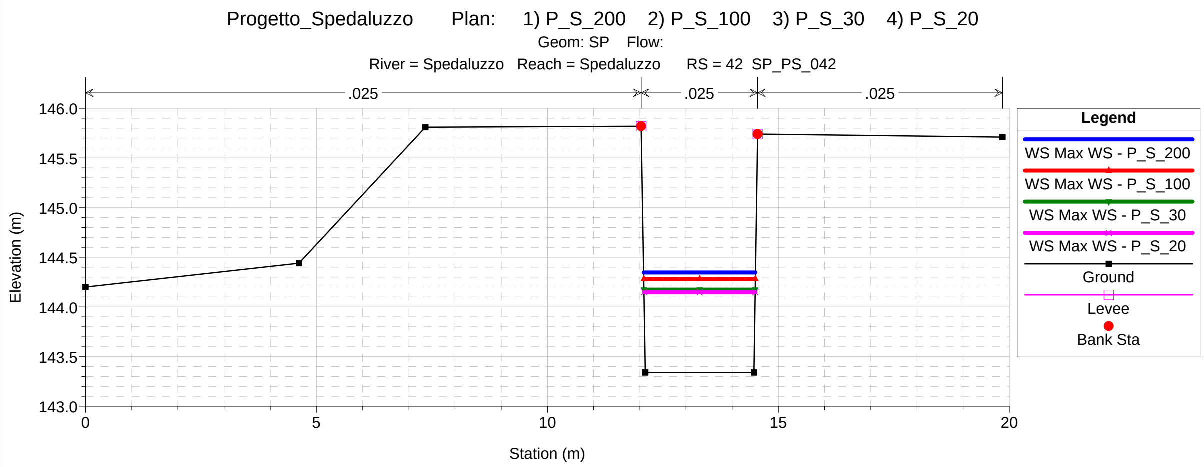

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 45 SP_PS_045
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

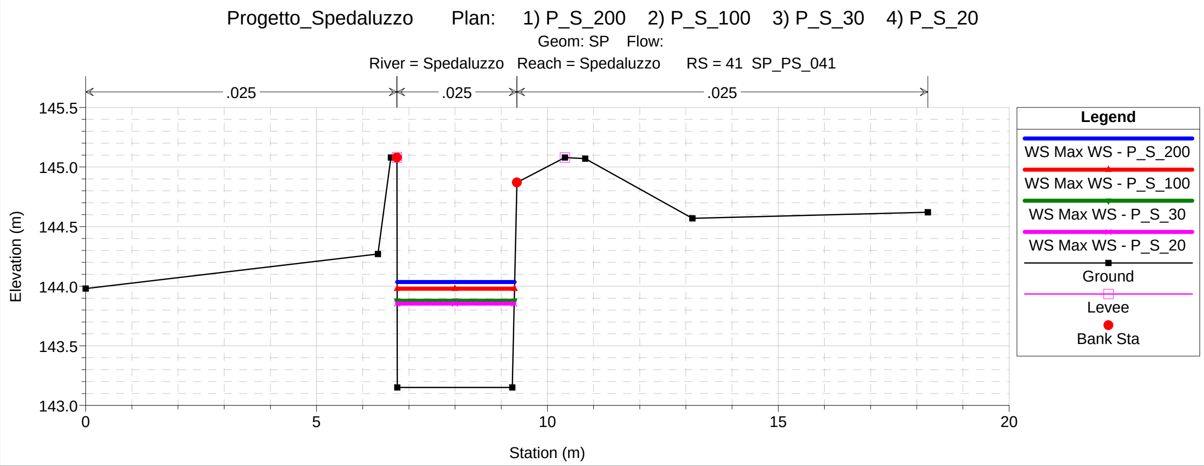

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 44 SP_PS_044
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

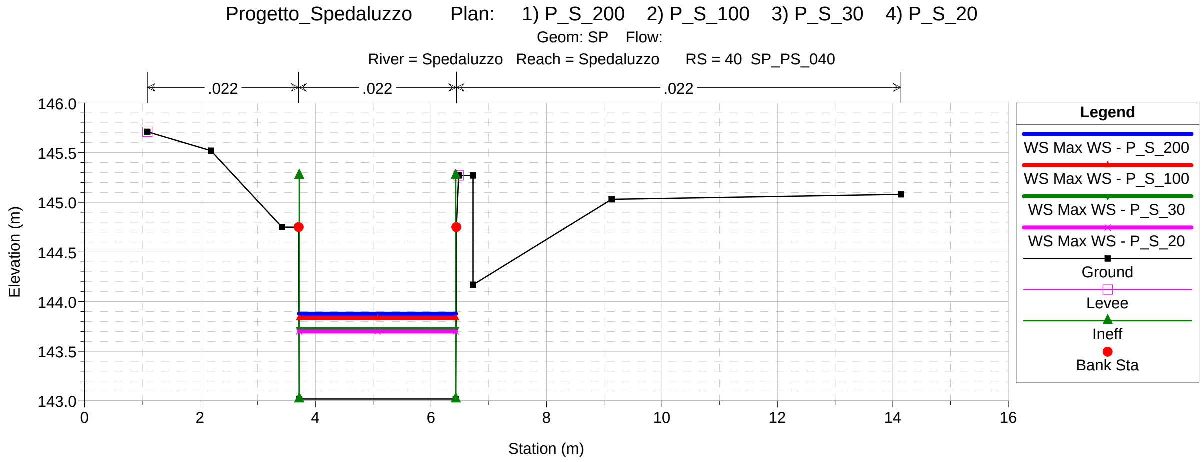

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

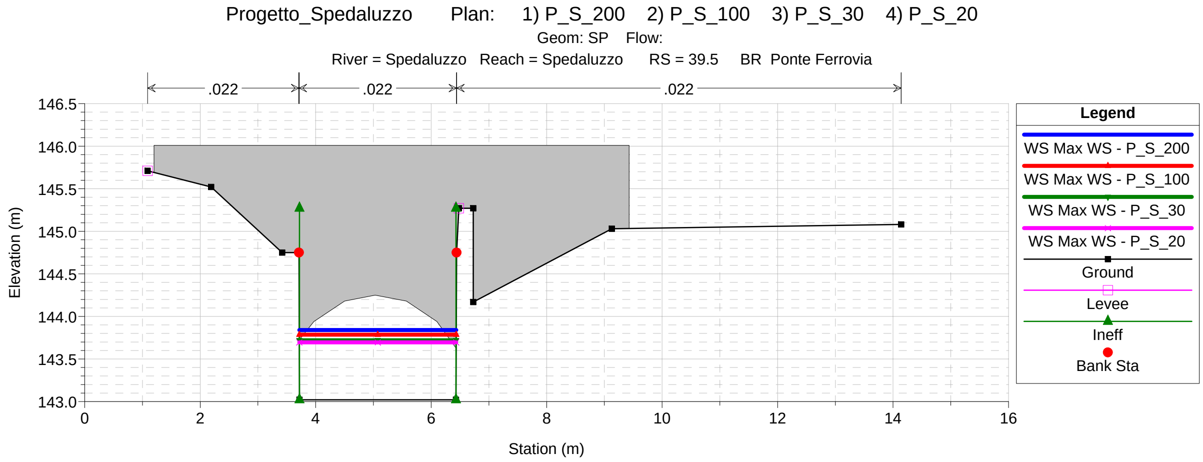

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

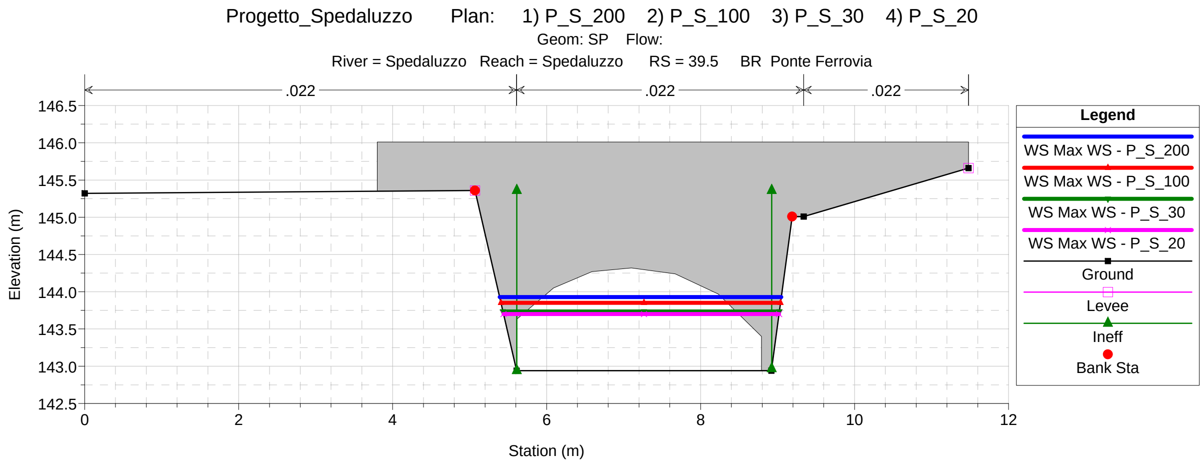

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 43 SP_PS_043
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

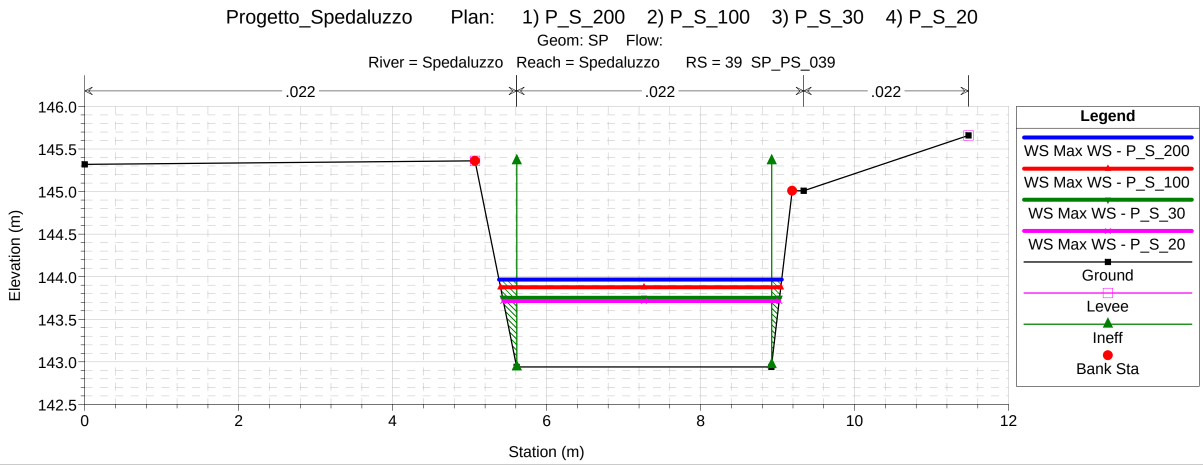

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 42 SP_PS_042
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

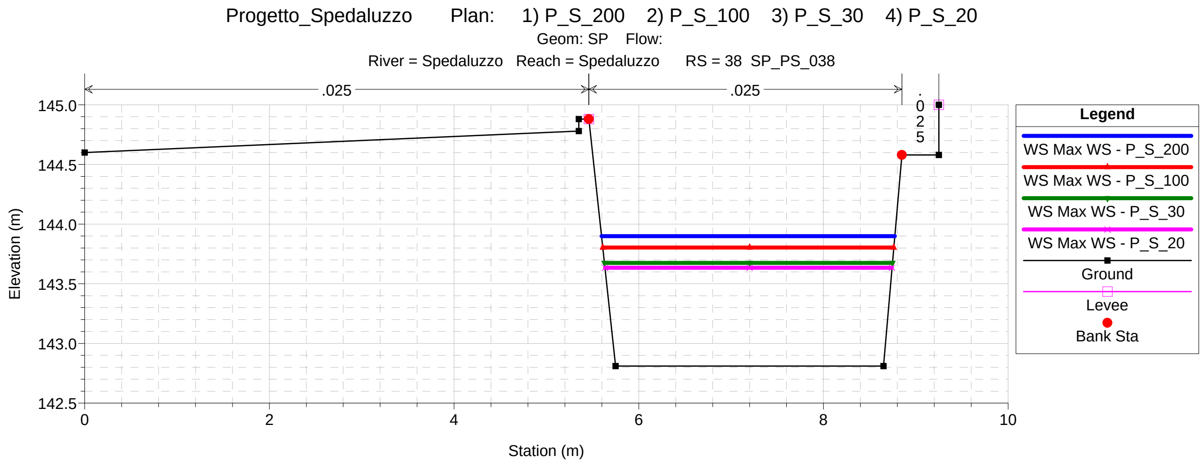

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 41 SP_PS_041
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

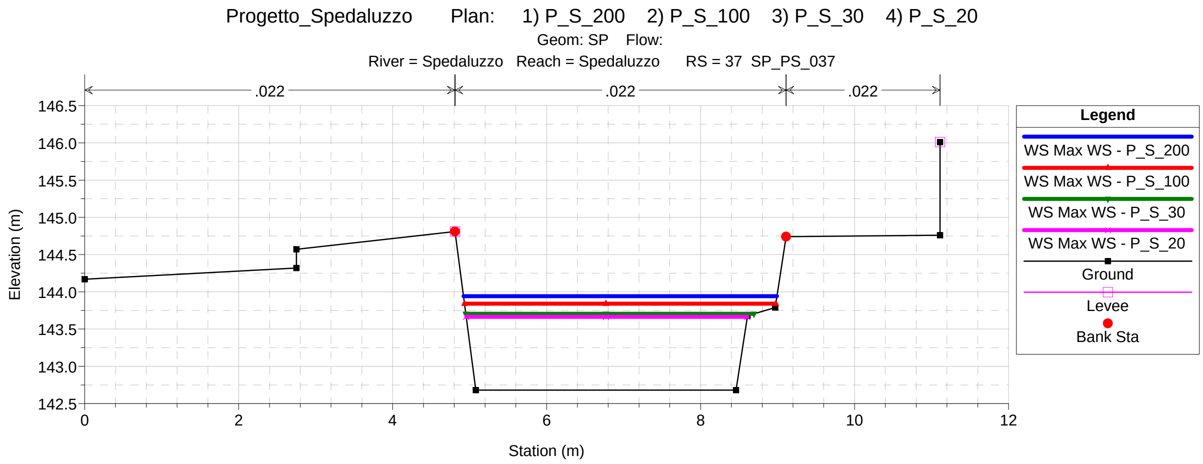

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 40 SP_PS_040
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Ineff
Bank Sta

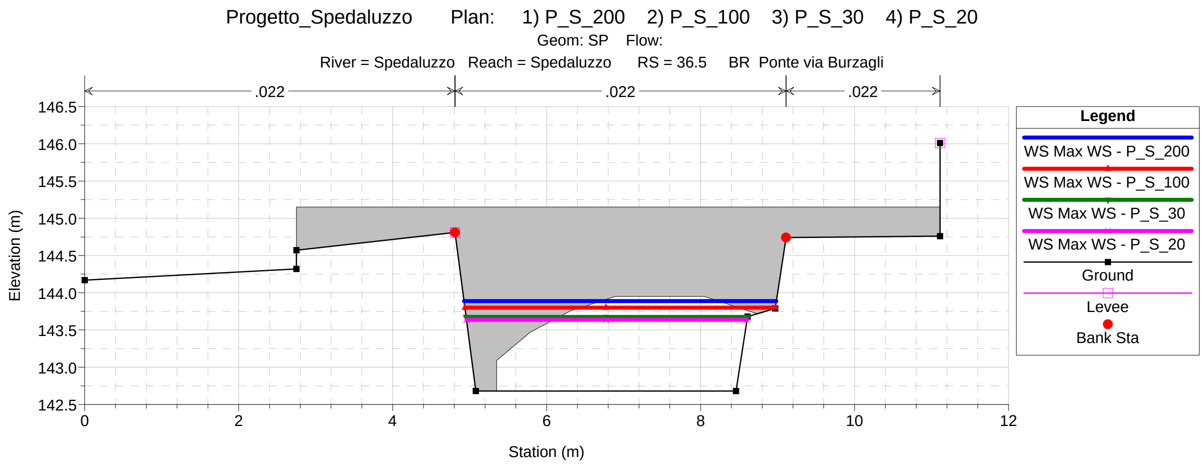

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Ineff
Bank Sta

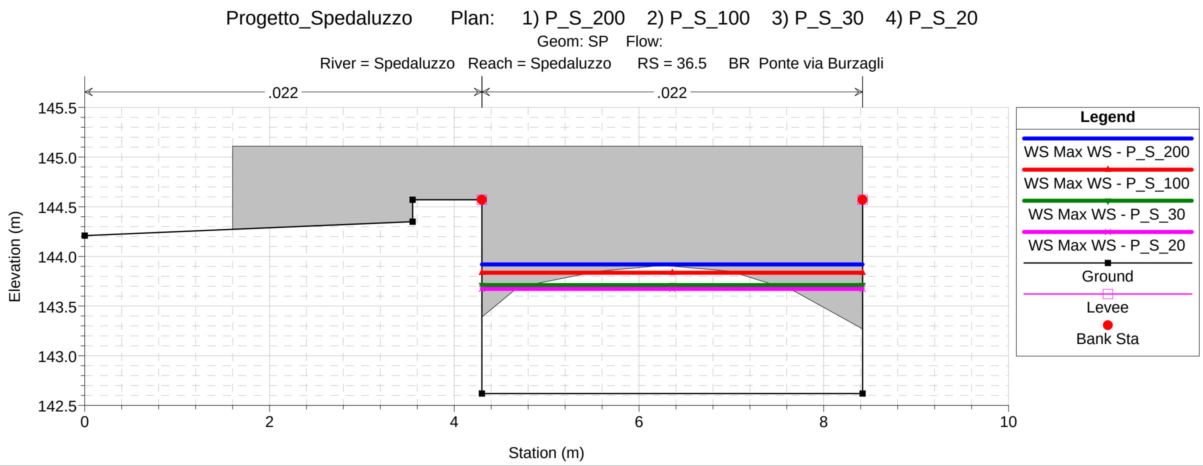

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Ineff
Bank Sta

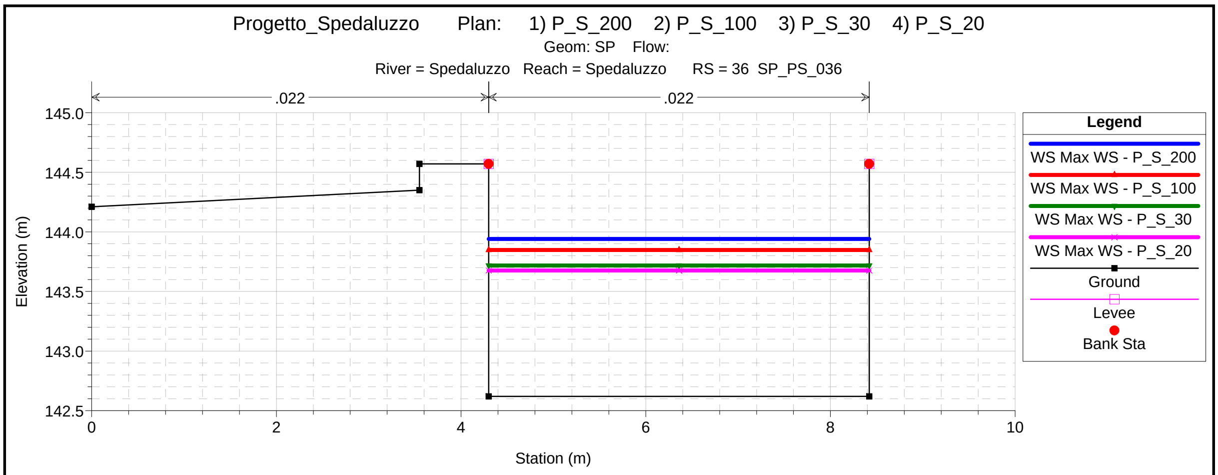

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 39 SP_PS_039
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Ineff
Bank Sta

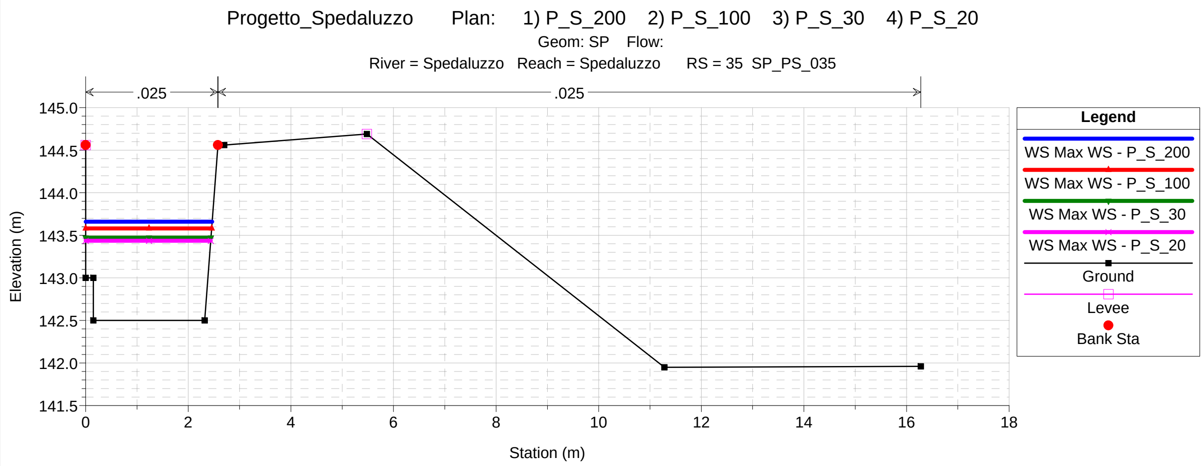

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 38 SP_PS_038
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

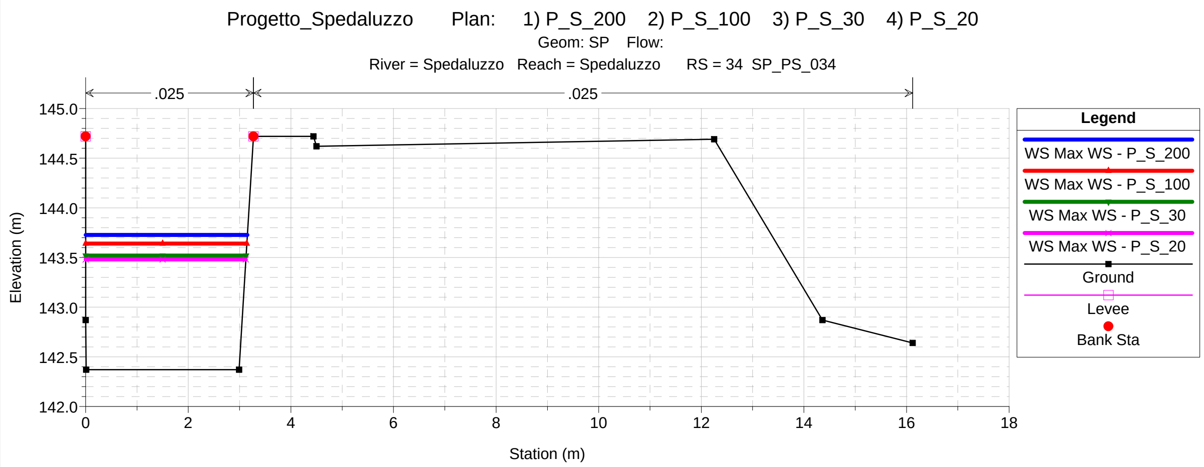

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 37 SP_PS_037
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

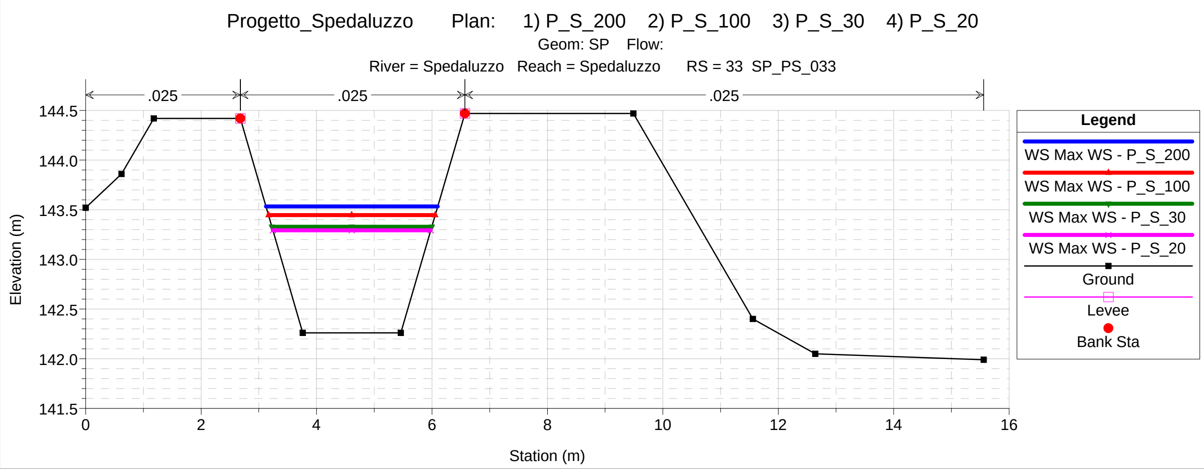

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

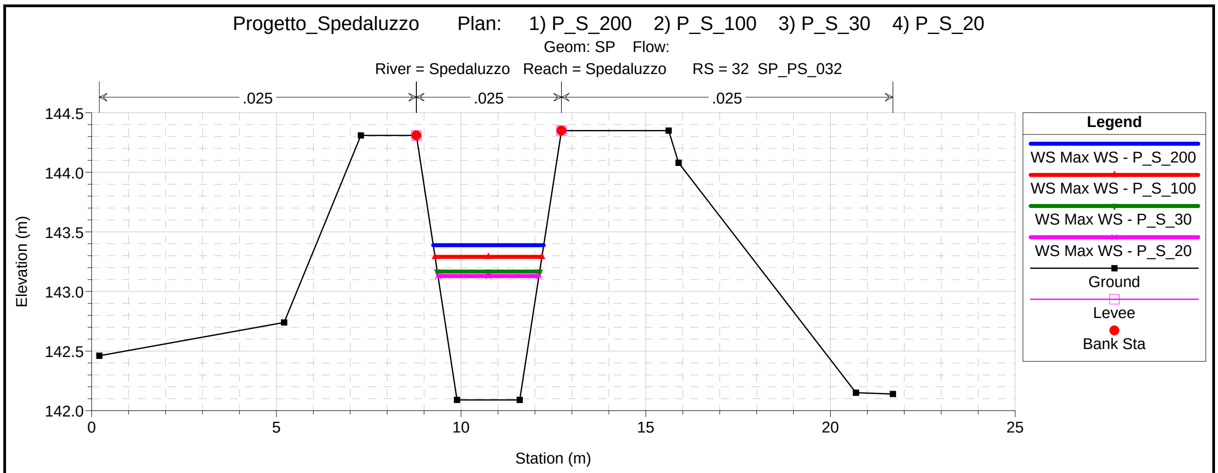

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 36 SP_PS_036
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

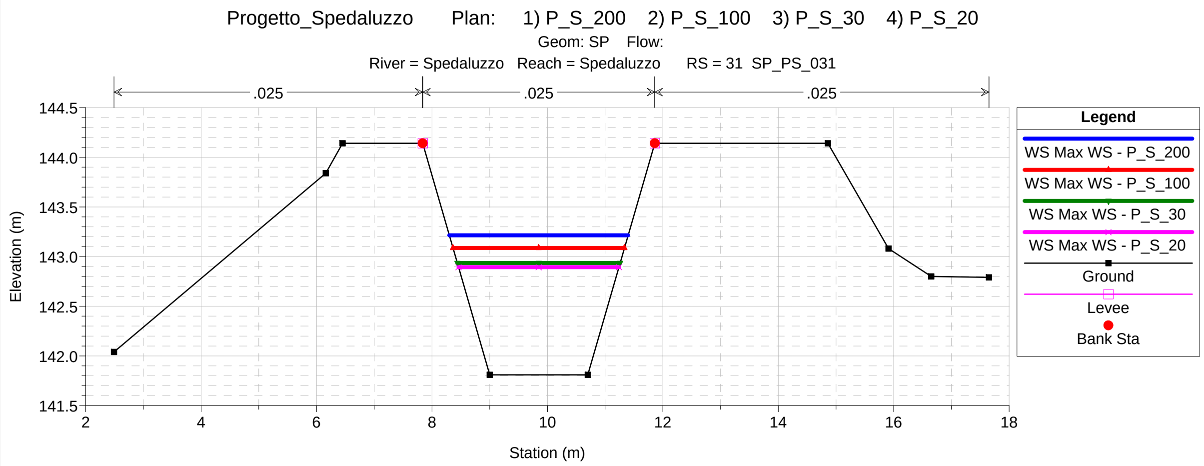

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 35 SP_PS_035
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 34 SP_PS_034
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

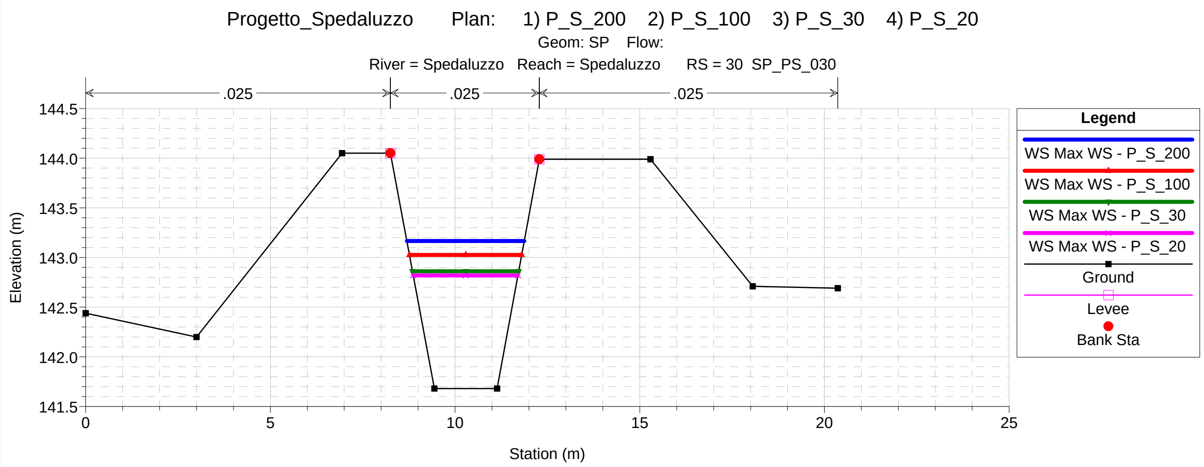

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 33 SP_PS_033
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta



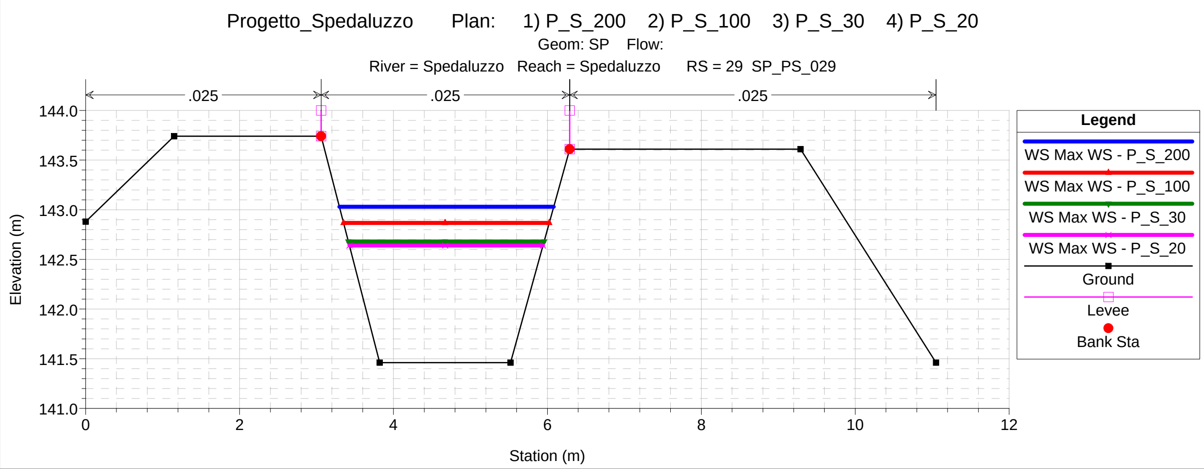
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 32 SP_PS_032
.025
.025
.025
Elevation (m)
144.5
144.0
143.5
143.0
142.5
142.0
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta



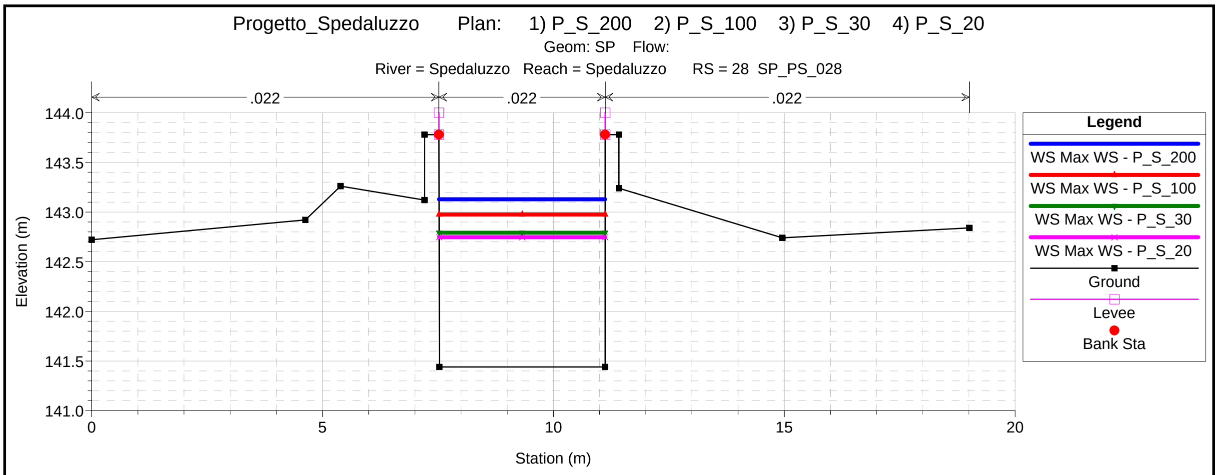
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 31 SP_PS_031
.025
.025
.025
Elevation (m)
144.5
144.0
143.5
143.0
142.5
142.0
141.5
2
4
6
8
10
12
14
16
18
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

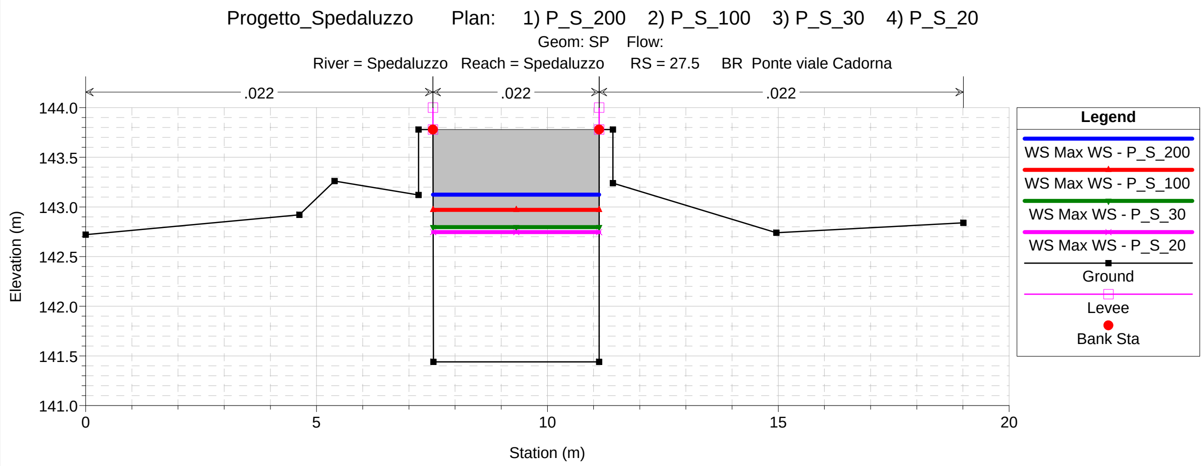


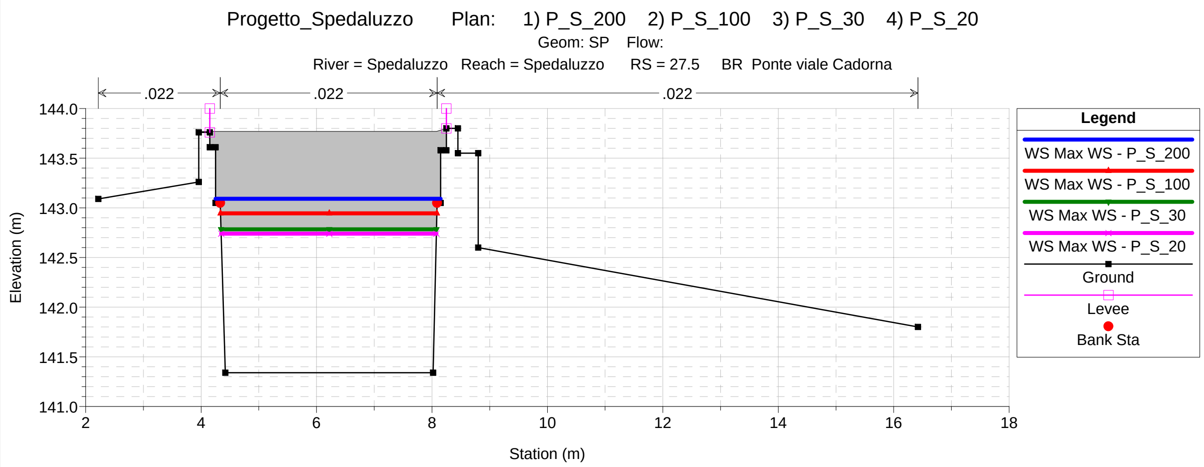
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 30 SP_PS_030
.025
.025
.025
Elevation (m)
144.5
144.0
143.5
143.0
142.5
142.0
141.5
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

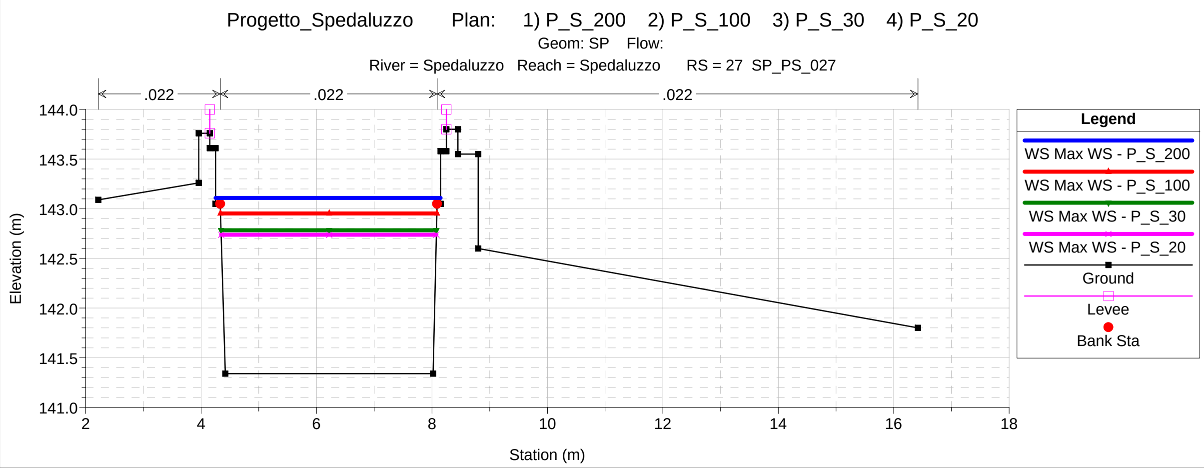


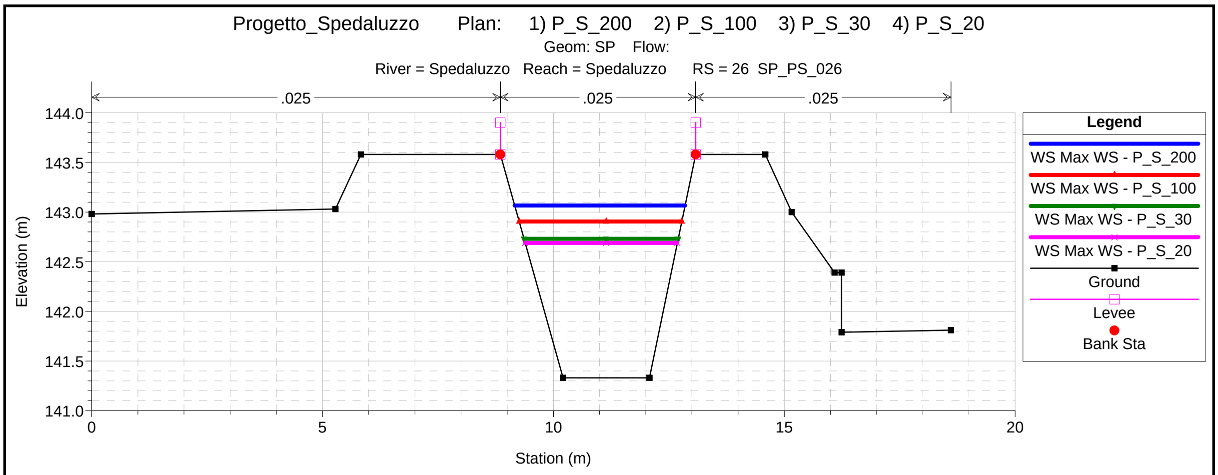
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 29 SP_PS_029
.025
.025
.025
Elevation (m)
144.0
143.5
143.0
142.5
142.0
141.5
141.0
0
2
4
6
8
10
12
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

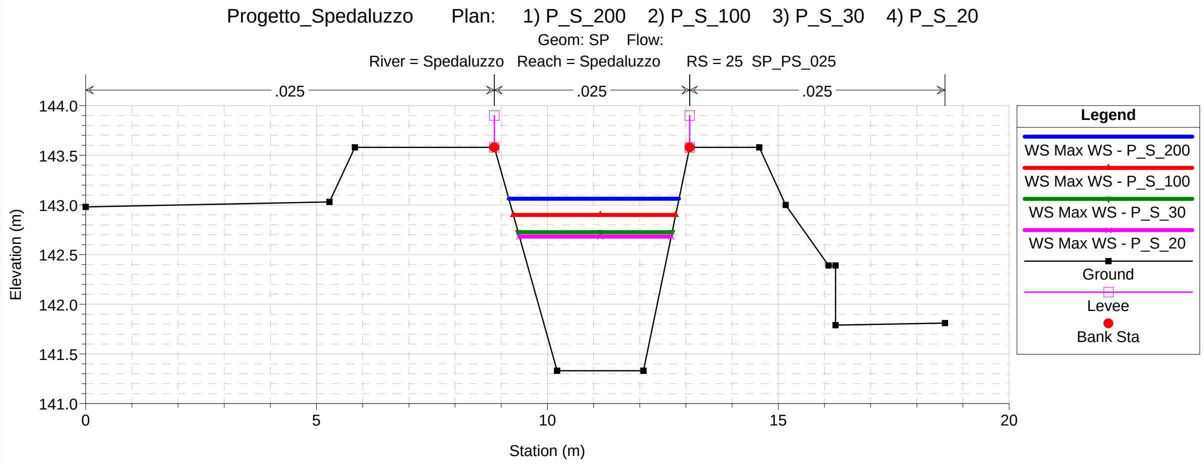

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 28 SP_PS_028
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

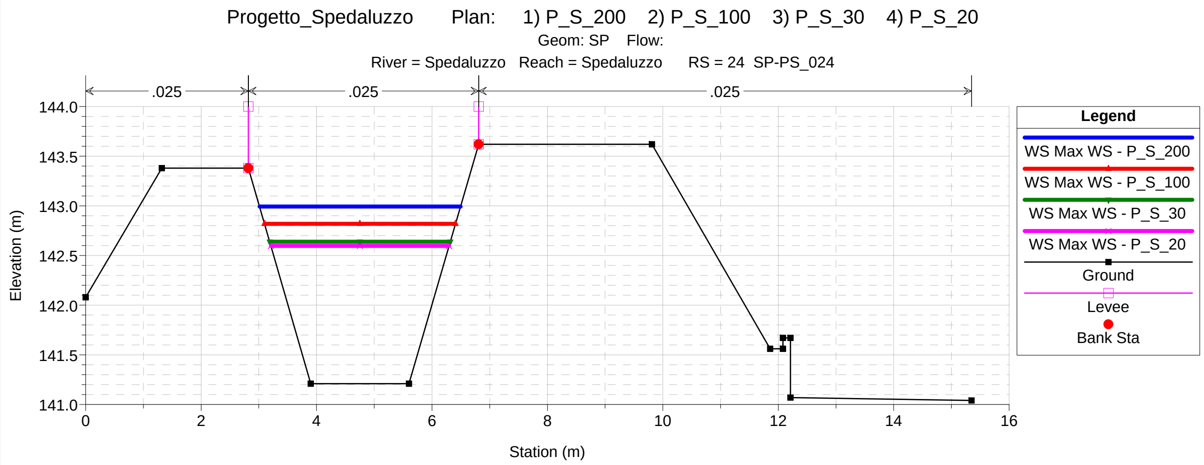

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

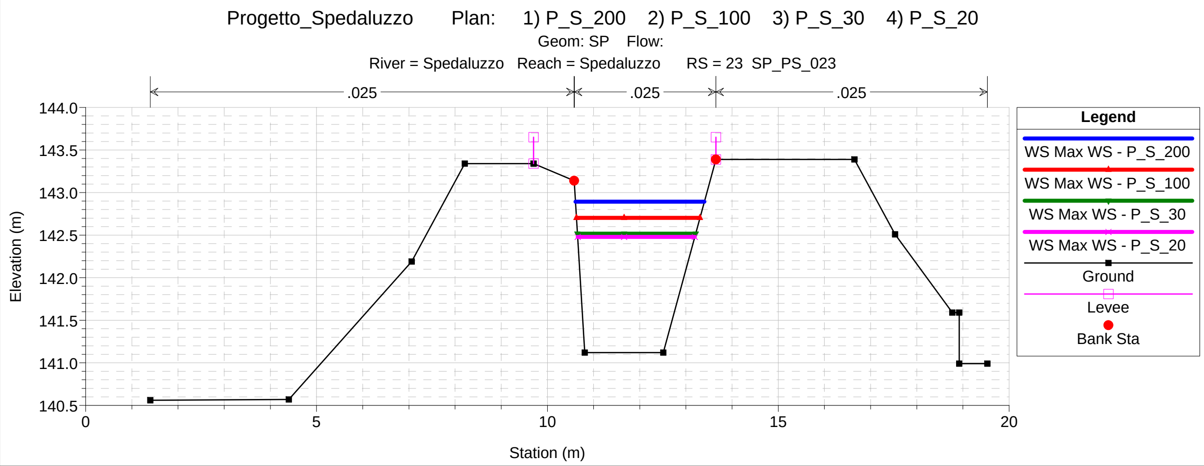

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

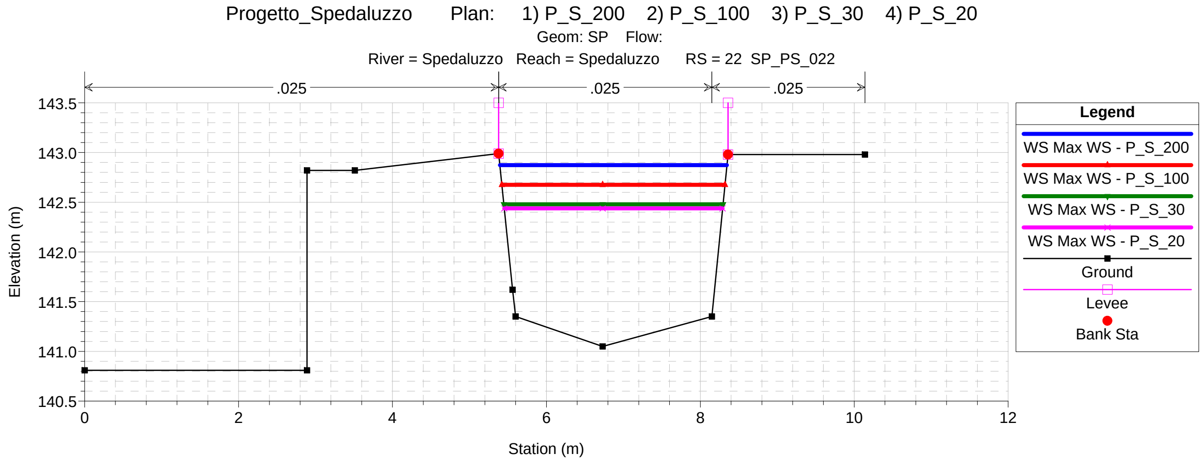

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 27 SP_PS_027
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 26 SP_PS_026
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

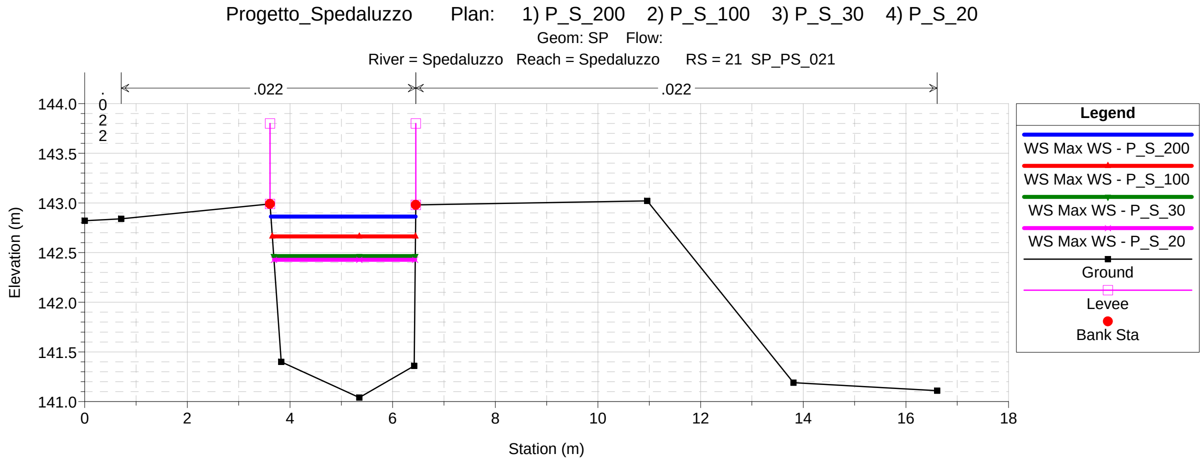

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 25 SP_PS_025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 24 SP-PS_024
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

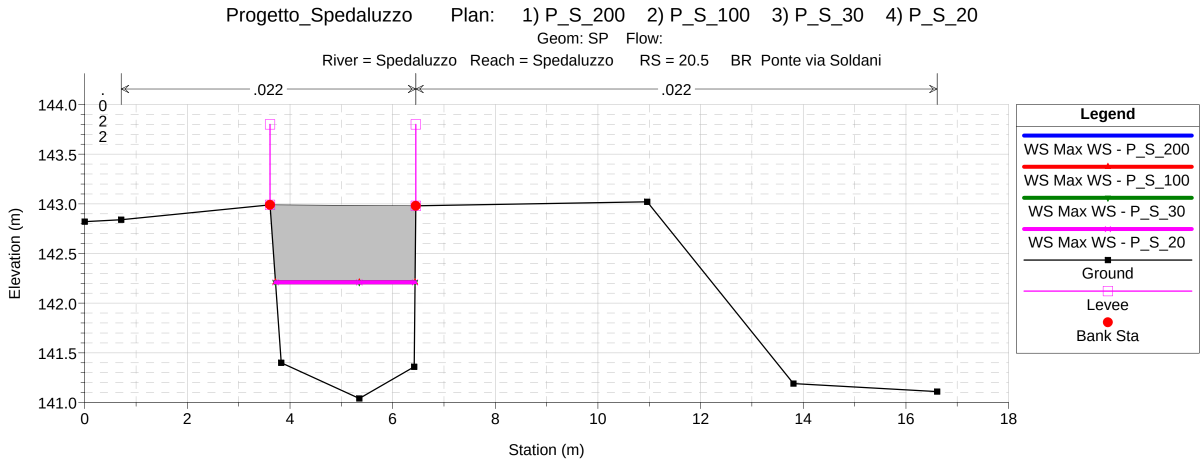

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 23 SP_PS_023
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta



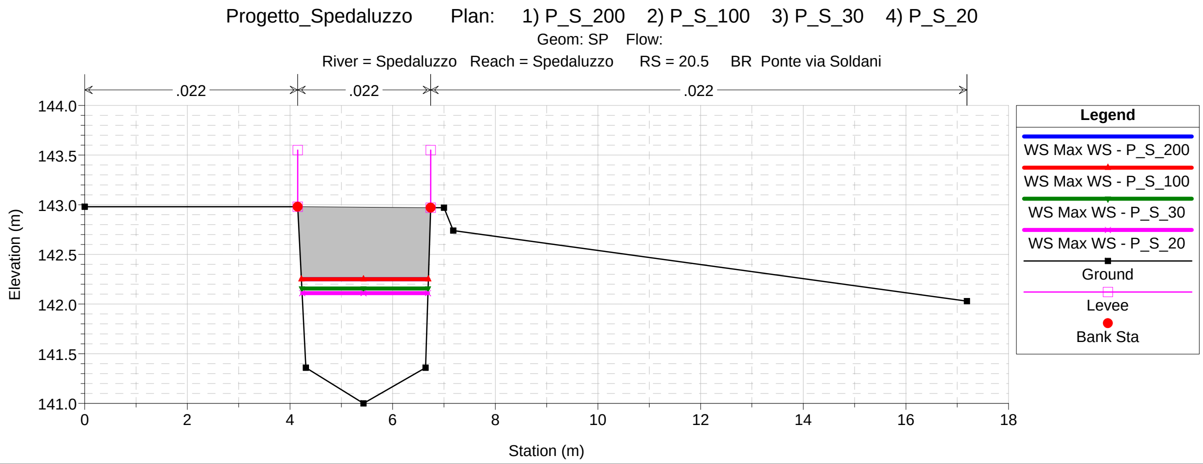
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 22 SP_PS_022
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta



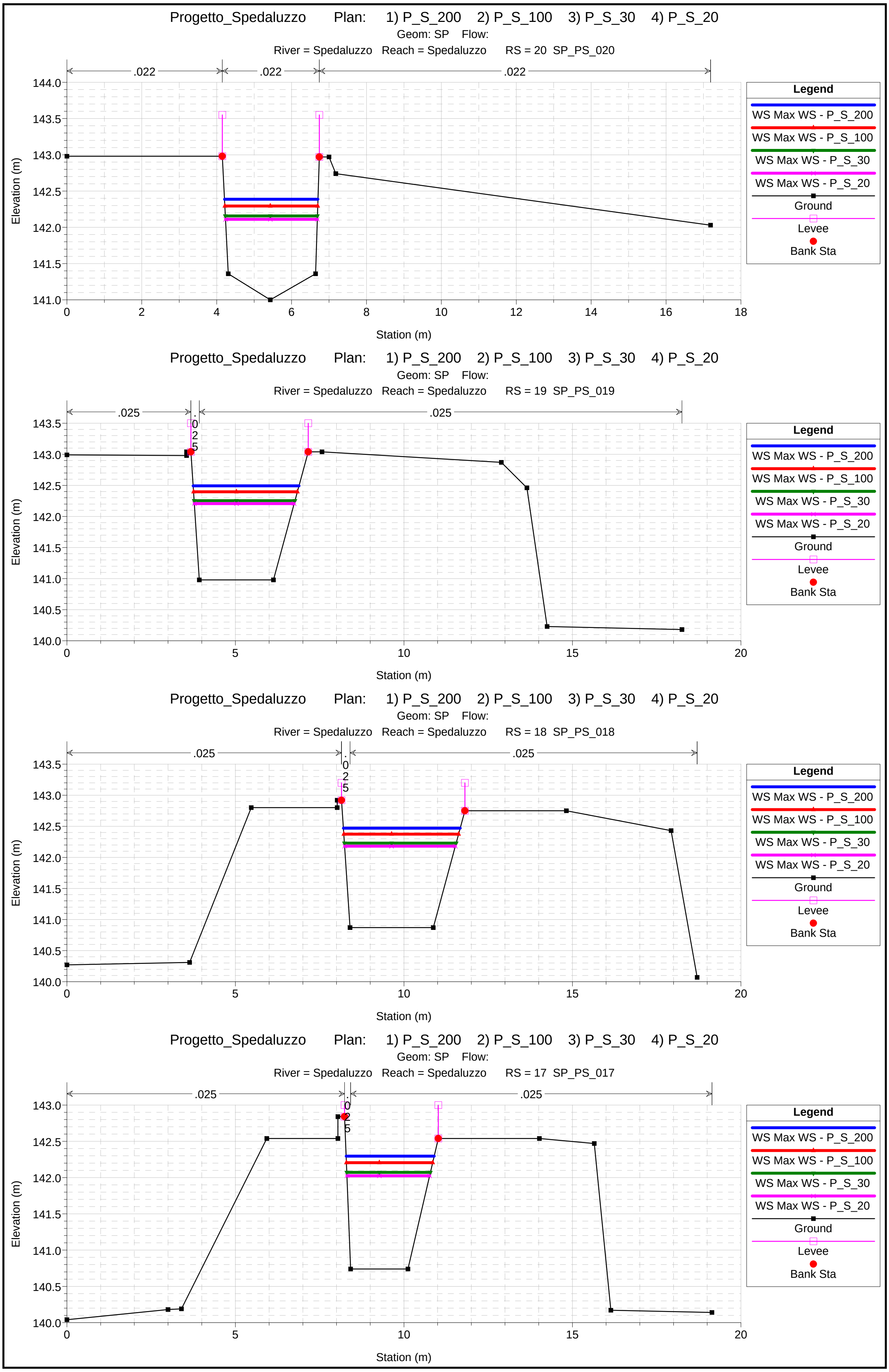
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 21 SP_PS_021
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

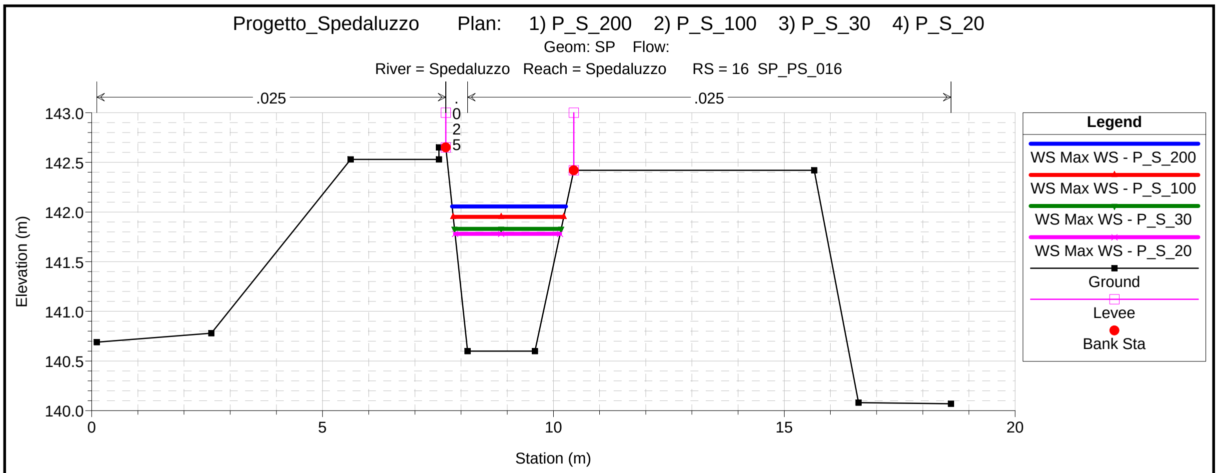


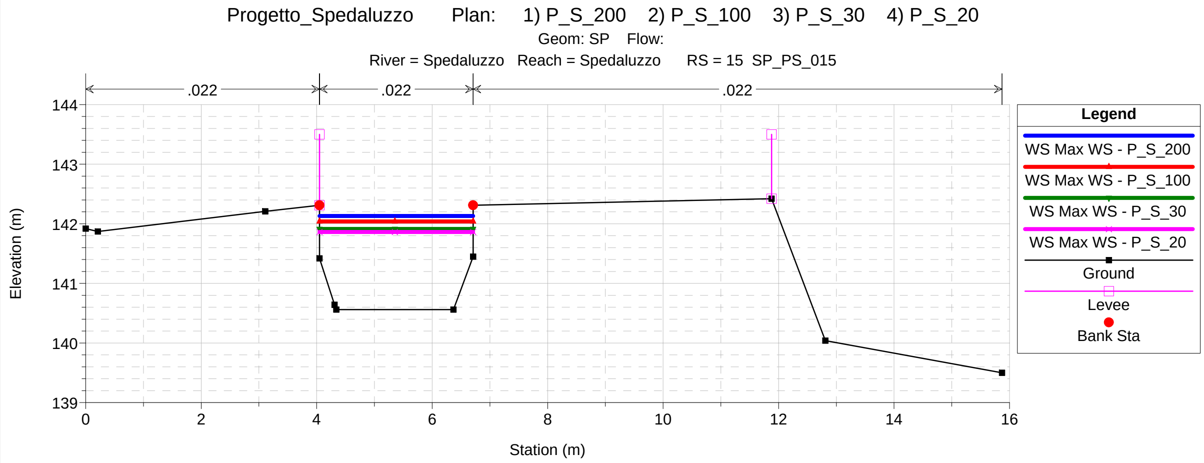
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

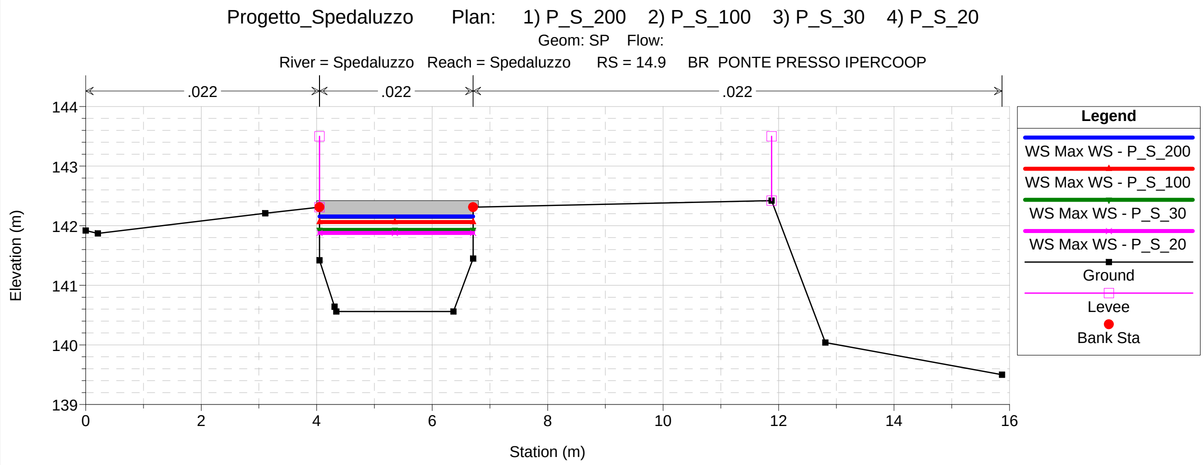


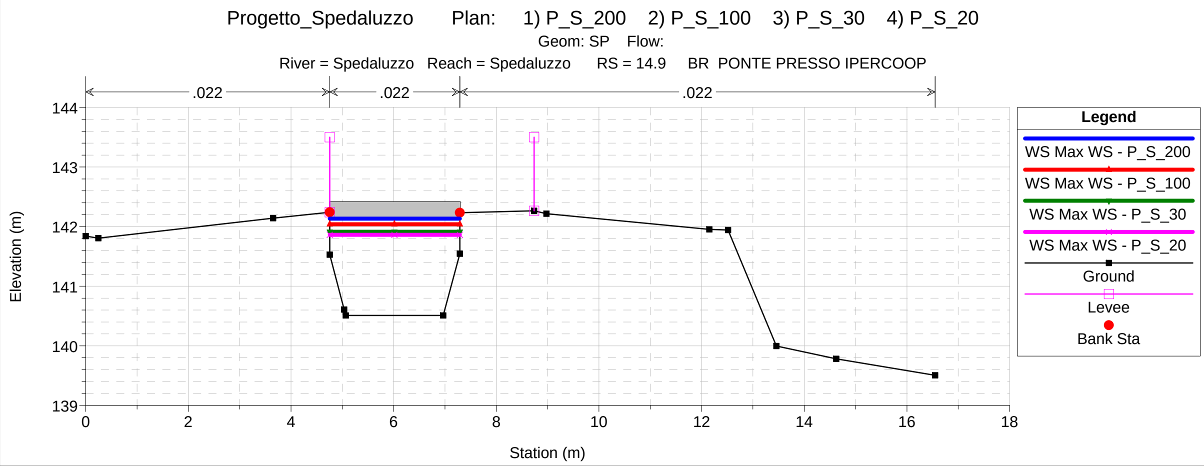
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

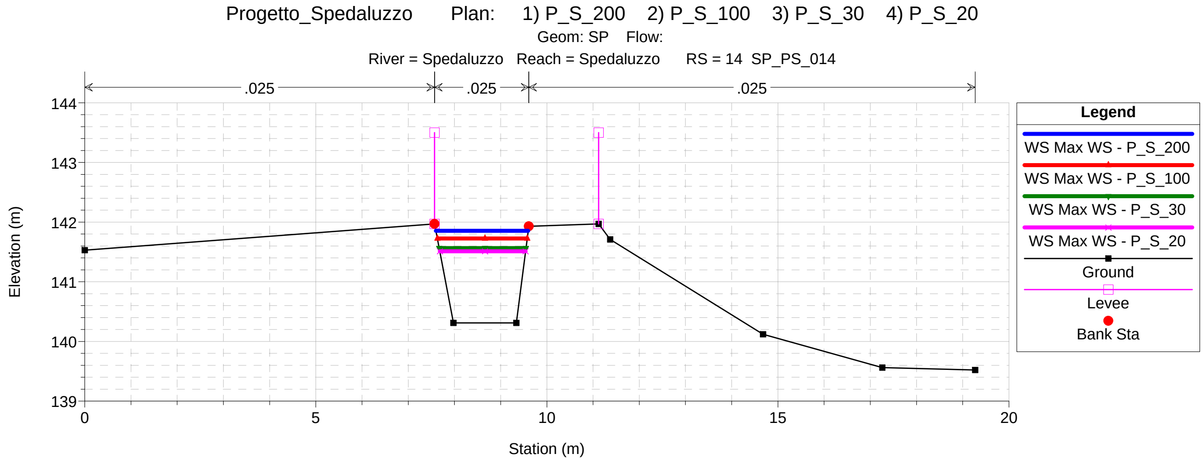

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 20 SP_PS_020
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 19 SP_PS_019
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 18 SP_PS_018
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta
Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 17 SP_PS_017
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

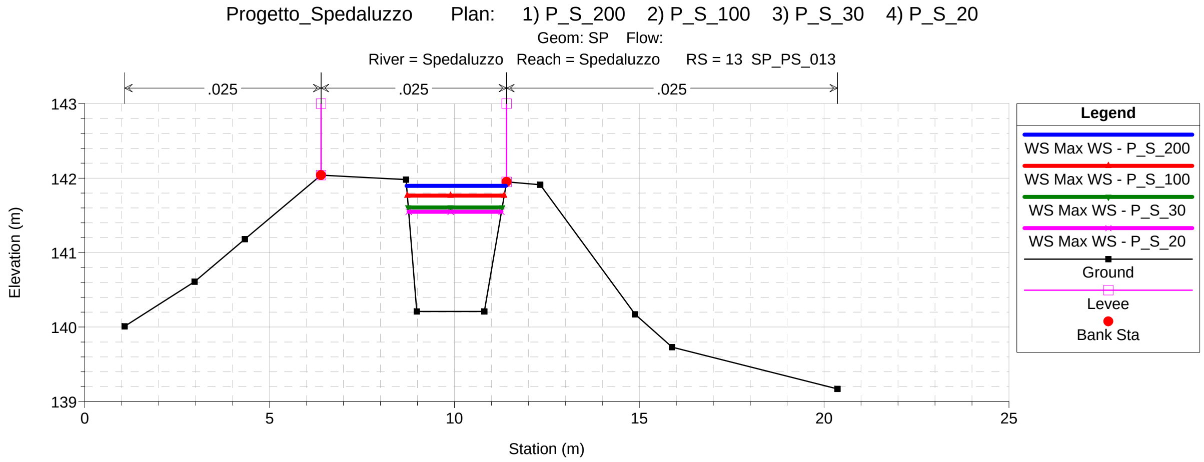

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 16 SP_PS_016
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

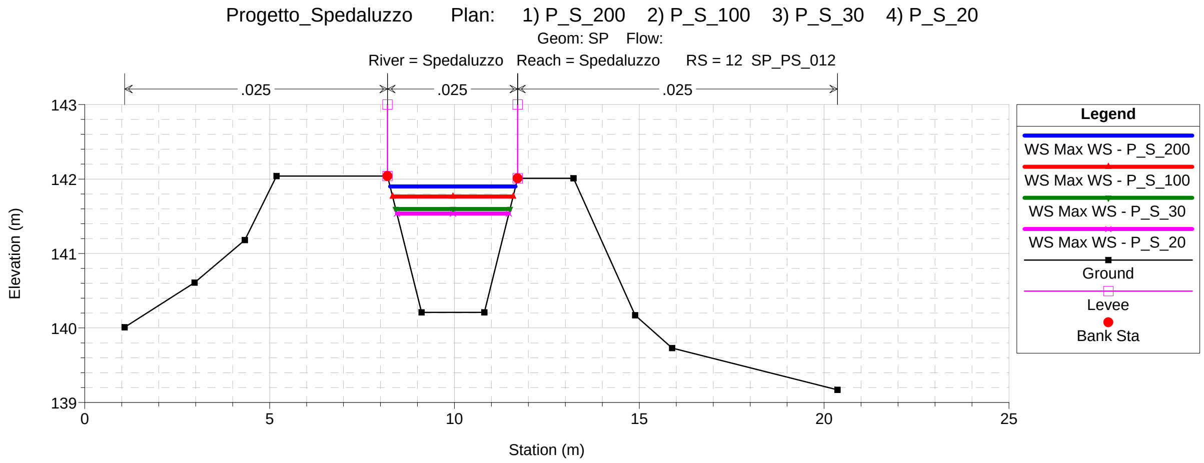

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 15 SP_PS_015
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

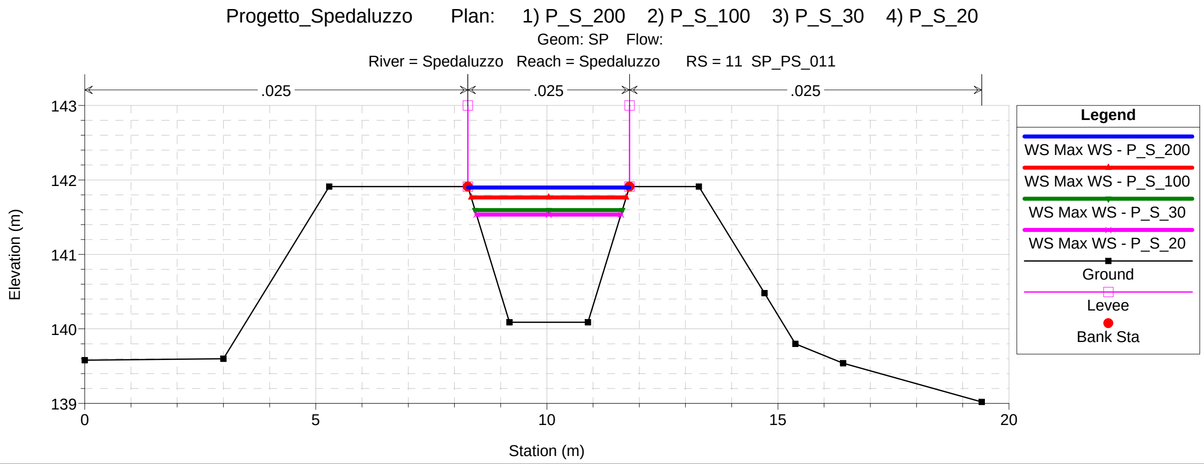

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 14.9 BR PONTE PRESSO IPERCOOP
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

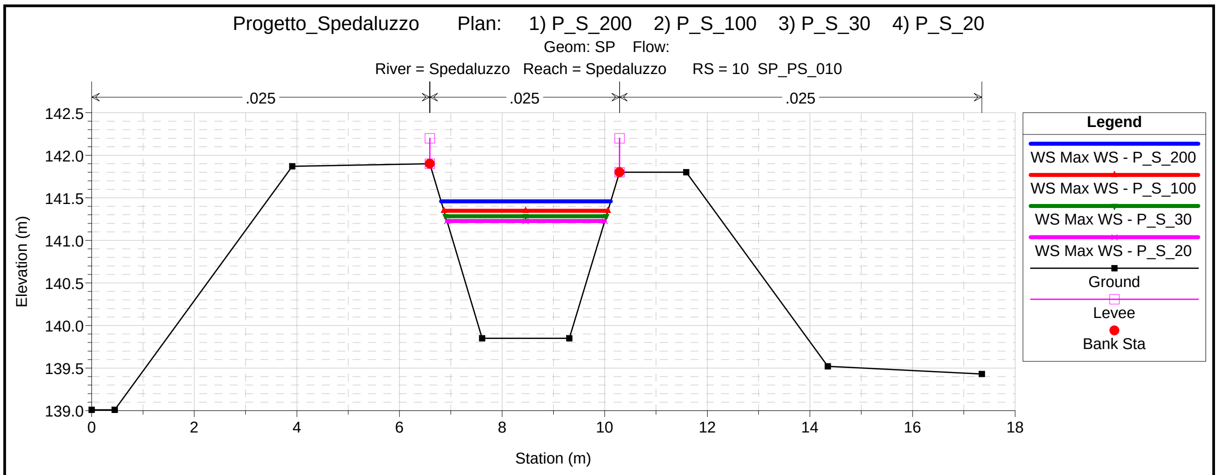

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 14.9 BR PONTE PRESSO IPERCOOP
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

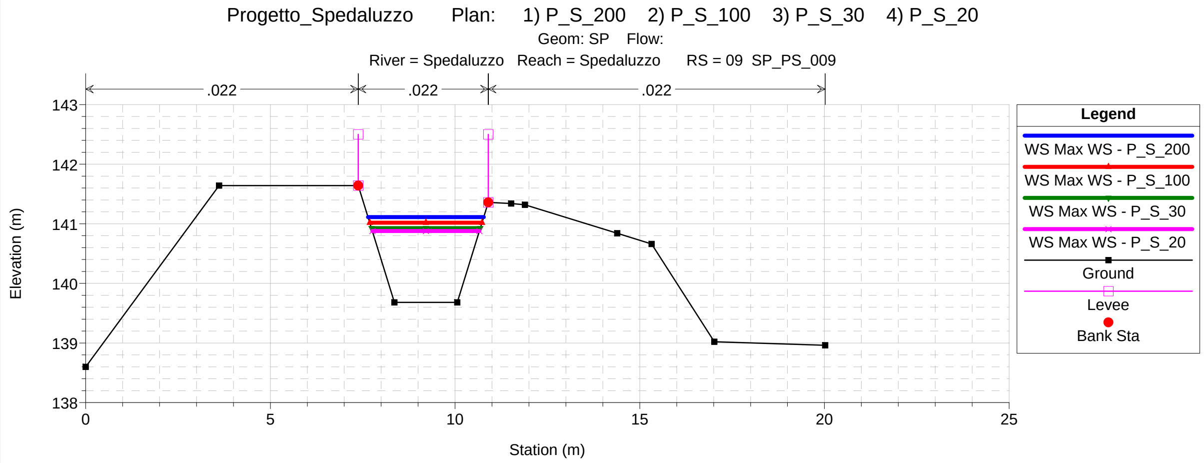

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 14 SP_PS_014
.025
.025
.025
Elevation (m)
144
143
142
141
140
139
0
5
10
15
20
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

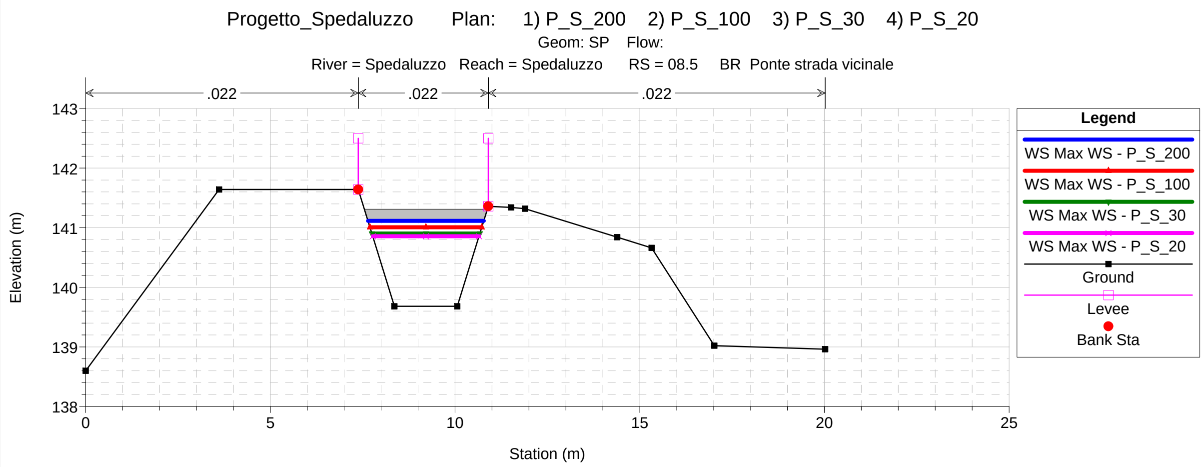

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 13 SP_PS_013
.025
.025
.025
Elevation (m)
143
142
141
140
139
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

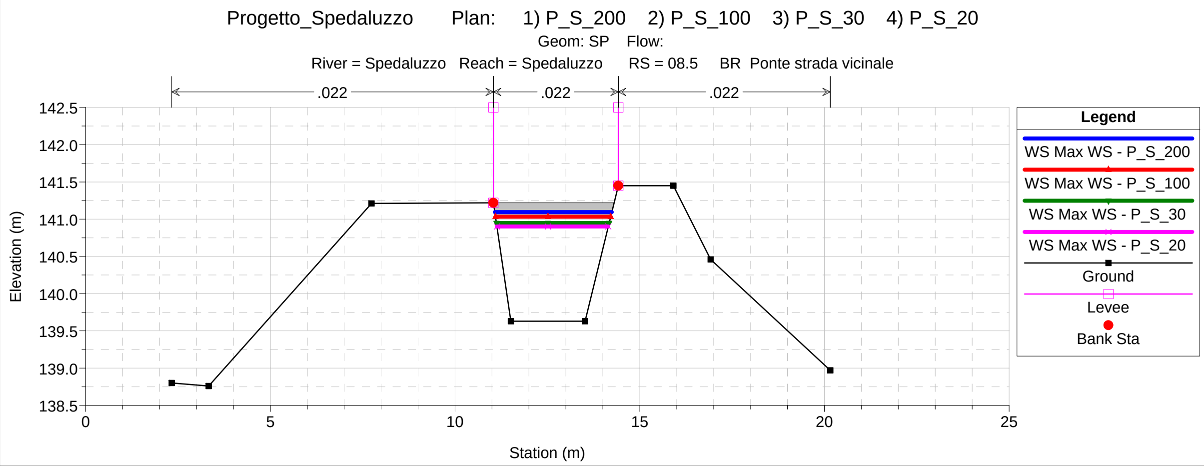

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 12 SP_PS_012
.025
.025
.025
Elevation (m)
143
142
141
140
139
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

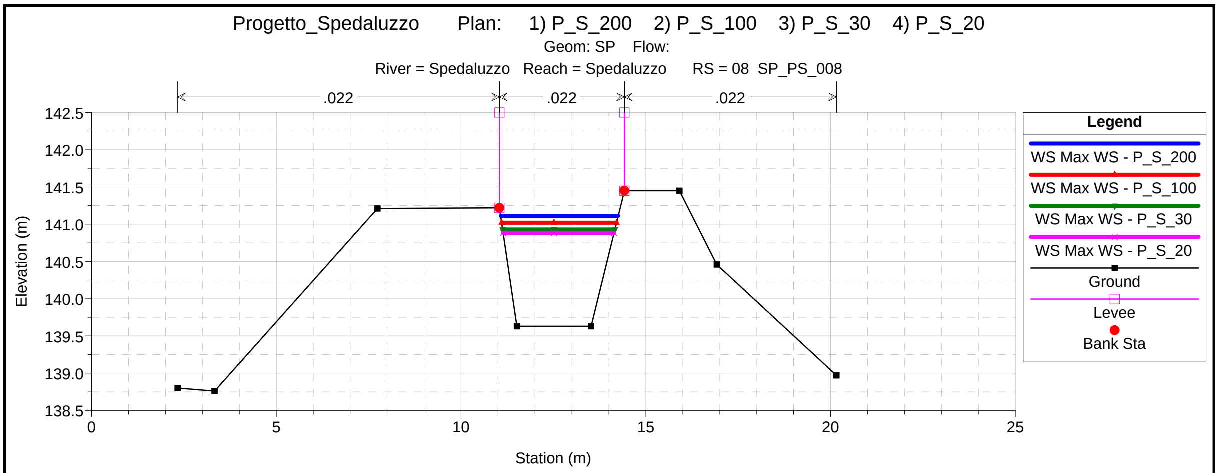

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 11 SP_PS_011
.025
.025
.025
Elevation (m)
143
142
141
140
139
0
5
10
15
20
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

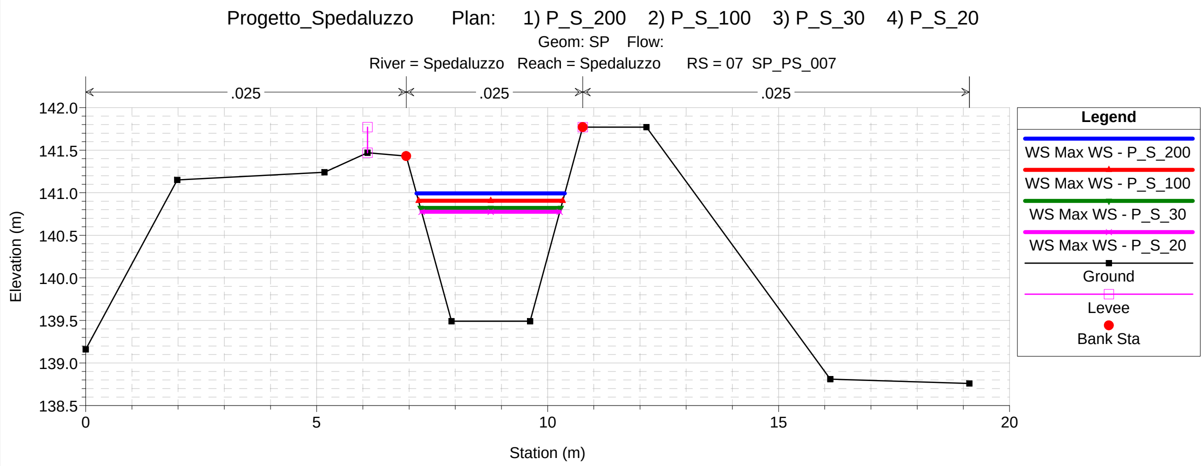

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 10 SP_PS_010
.025
.025
.025
Elevation (m)
142.5
142.0
141.5
141.0
140.5
140.0
139.5
139.0
0
2
4
6
8
10
12
14
16
18
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

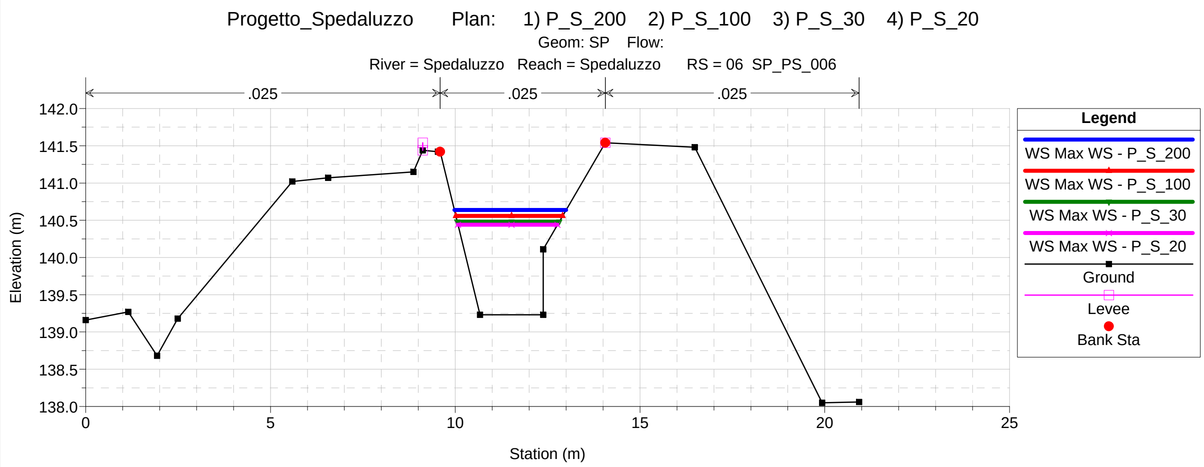

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 09 SP_PS_009
.022
.022
.022
Elevation (m)
143
142
141
140
139
138
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

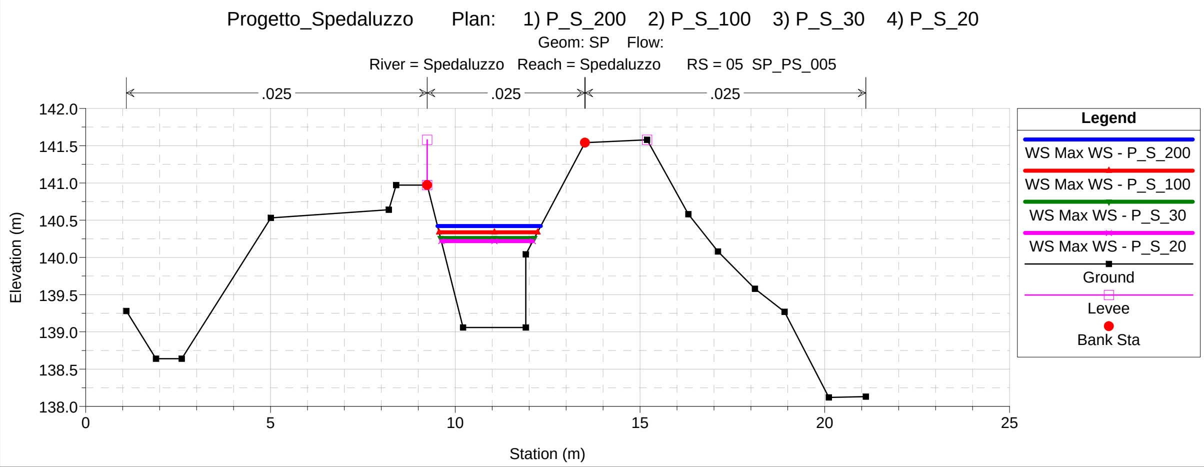

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale
.022
.022
.022
Elevation (m)
143
142
141
140
139
138
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

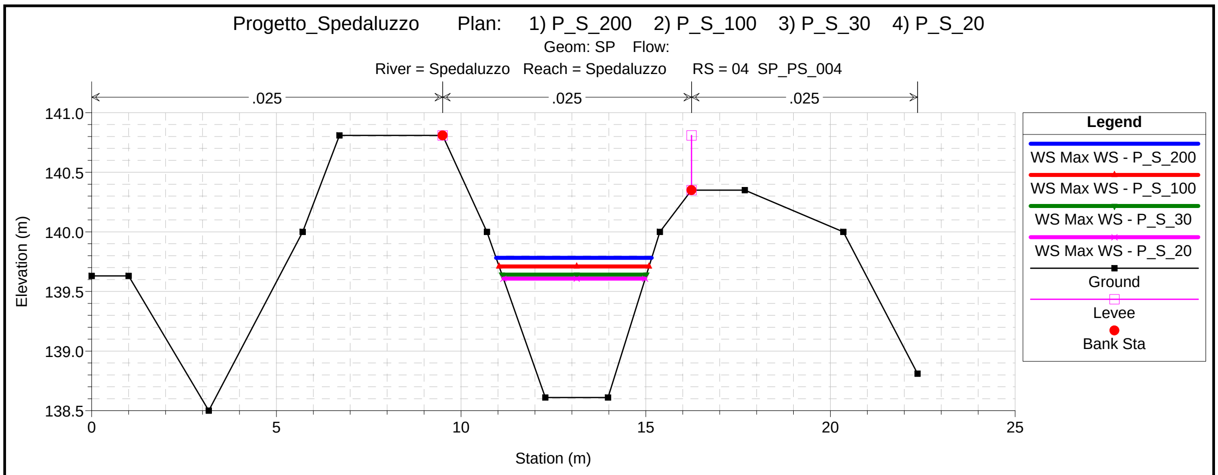

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale
.022
.022
.022
Elevation (m)
142.5
142.0
141.5
141.0
140.5
140.0
139.5
139.0
138.5
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

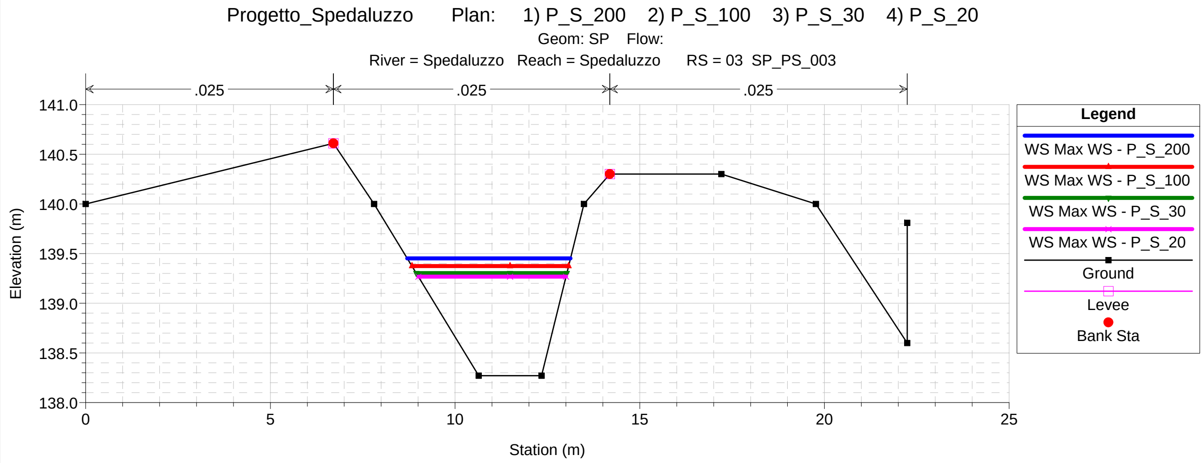

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 08 SP_PS_008
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

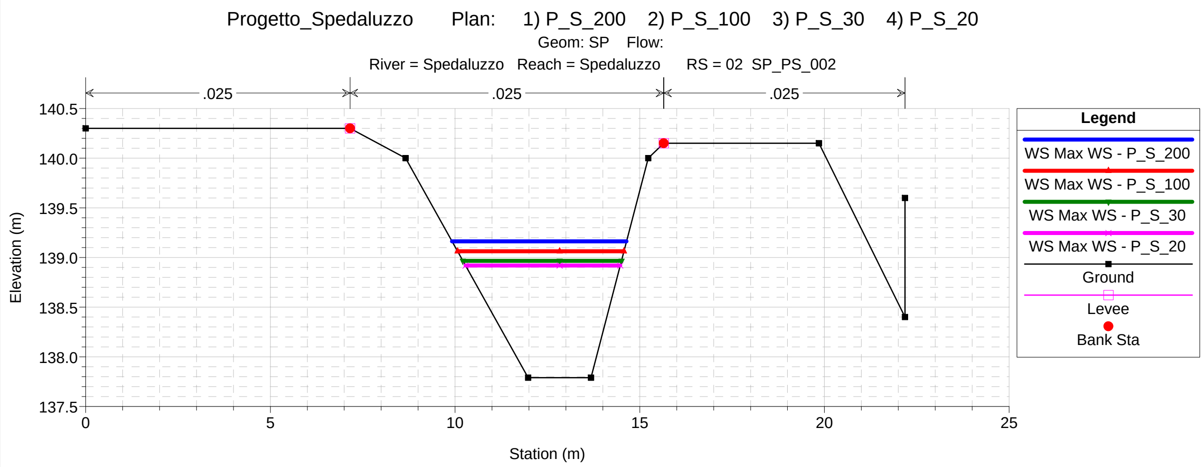

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 07 SP_PS_007
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

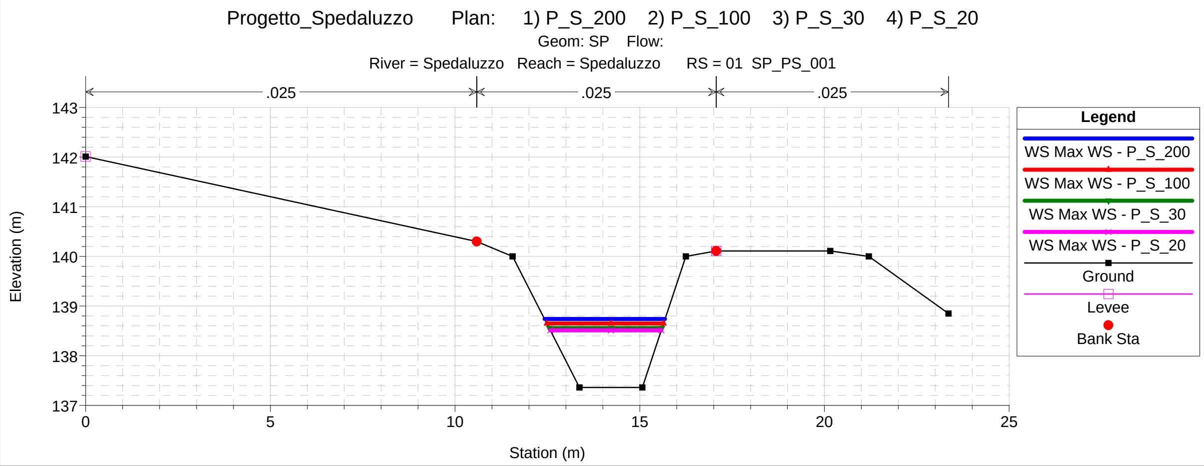

Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 06 SP_PS_006
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 05 SP_PS_005
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 04 SP_PS_004
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 03 SP_PS_003
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 02 SP_PS_002
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta


Progetto_Spedaluzzo Plan: 1) P_S_200 2) P_S_100 3) P_S_30 4) P_S_20
Geom: SP Flow:
River = Spedaluzzo Reach = Spedaluzzo RS = 01 SP_PS_001
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_S_200
WS Max WS - P_S_100
WS Max WS - P_S_30
WS Max WS - P_S_20
Ground
Levee
Bank Sta

HEC-RAS   Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Cassa Spedaluzzo	Max WS	P_S_200	145.71	144.00	6.07	12.00	19.50
Cassa Spedaluzzo	Max WS	P_S_100	145.51	144.00	4.93	12.00	17.14
Cassa Spedaluzzo	Max WS	P_S_30	145.28	144.00	3.24	12.00	14.41
Cassa Spedaluzzo	Max WS	P_S_20	145.20	144.00	2.74	12.00	13.42
SA_Sped_Dx1	Max WS	P_S_200	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	Max WS	P_S_100	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	Max WS	P_S_30	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	Max WS	P_S_20	139.50	139.50	0.00	56.00	0.02
SA_Sped_Sx1	Max WS	P_S_200	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	Max WS	P_S_100	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	Max WS	P_S_30	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	Max WS	P_S_20	140.61	140.60	0.00	3.00	0.02
Spedaluzzo_StSn	Max WS	P_S_200	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	Max WS	P_S_100	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	Max WS	P_S_30	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	Max WS	P_S_20	138.20	138.20	0.00	9.00	0.00

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	62	Max WS	P_S_200	12.89	145.60	146.82	147.22	148.24	0.075856	5.28	2.44	2.00	1.53
Spedaluzzo	62	Max WS	P_S_100	10.93	145.60	146.71	147.05	147.95	0.070599	4.94	2.21	2.00	1.50
Spedaluzzo	62	Max WS	P_S_30	8.29	145.60	146.54	146.81	147.53	0.063295	4.43	1.87	2.00	1.46
Spedaluzzo	62	Max WS	P_S_20	7.52	145.60	146.48	146.73	147.41	0.061034	4.26	1.77	2.00	1.45
Spedaluzzo	61	Max WS	P_S_200	12.89	145.40	146.36	147.02	148.66	0.105142	6.72	1.92	2.00	2.19
Spedaluzzo	61	Max WS	P_S_100	10.92	145.40	146.29	146.85	148.22	0.093118	6.15	1.78	2.00	2.08
Spedaluzzo	61	Max WS	P_S_30	8.29	145.40	146.18	146.60	147.62	0.076420	5.32	1.56	2.00	1.92
Spedaluzzo	61	Max WS	P_S_20	7.52	145.40	146.15	146.53	147.44	0.071241	5.05	1.49	2.00	1.87
Spedaluzzo	60	Max WS	P_S_200	12.49	144.60	145.79		145.98	0.004040	1.90	6.57	6.85	0.62
Spedaluzzo	60	Max WS	P_S_100	10.81	144.60	145.79		145.93	0.003064	1.65	6.55	6.84	0.54
Spedaluzzo	60	Max WS	P_S_30	8.27	144.60	145.77		145.86	0.001871	1.28	6.45	6.81	0.42
Spedaluzzo	60	Max WS	P_S_20	7.50	144.60	145.77		145.84	0.001573	1.17	6.40	6.80	0.39
Spedaluzzo	59.5			Lat Struct									
Spedaluzzo	59	Max WS	P_S_200	11.80	144.59	145.89		145.91	0.000283	0.60	19.81	17.11	0.18
Spedaluzzo	59	Max WS	P_S_100	10.00	144.59	145.86		145.88	0.000220	0.52	19.29	17.04	0.16
Spedaluzzo	59	Max WS	P_S_30	7.65	144.59	145.82		145.83	0.000146	0.41	18.54	16.95	0.13
Spedaluzzo	59	Max WS	P_S_20	6.97	144.59	145.80		145.81	0.000126	0.38	18.30	16.92	0.12
Spedaluzzo	58	Max WS	P_S_200	9.96	144.58	145.90		145.91	0.000067	0.30	32.84	26.96	0.09
Spedaluzzo	58	Max WS	P_S_100	8.55	144.58	145.87		145.87	0.000054	0.27	31.94	26.89	0.08
Spedaluzzo	58	Max WS	P_S_30	6.70	144.58	145.82		145.83	0.000038	0.22	30.65	26.80	0.07
Spedaluzzo	58	Max WS	P_S_20	6.17	144.58	145.81		145.81	0.000033	0.20	30.24	26.78	0.06
Spedaluzzo	57	Max WS	P_S_200	9.10	144.58	145.91		145.91	0.000053	0.27	33.70	27.66	0.08
Spedaluzzo	57	Max WS	P_S_100	7.88	144.58	145.87		145.88	0.000043	0.24	32.77	27.59	0.07
Spedaluzzo	57	Max WS	P_S_30	6.27	144.58	145.82		145.83	0.000031	0.20	31.43	27.49	0.06
Spedaluzzo	57	Max WS	P_S_20	5.80	144.58	145.81		145.81	0.000028	0.19	31.01	27.46	0.06
Spedaluzzo	56	Max WS	P_S_200	8.23	144.57	145.91		145.91	0.000044	0.25	33.43	26.64	0.07
Spedaluzzo	56	Max WS	P_S_100	7.20	144.57	145.87		145.88	0.000036	0.22	32.52	26.60	0.06
Spedaluzzo	56	Max WS	P_S_30	5.83	144.57	145.82		145.83	0.000027	0.19	31.22	26.55	0.05
Spedaluzzo	56	Max WS	P_S_20	5.43	144.57	145.81		145.81	0.000025	0.18	30.81	26.53	0.05

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	55	Max WS	P_S_200	6.63	144.56	145.90	144.91	145.91	0.000069	0.40	16.64	13.06	0.11
Spedaluzzo	55	Max WS	P_S_100	5.96	144.56	145.87	144.89	145.88	0.000060	0.37	16.19	13.05	0.11
Spedaluzzo	55	Max WS	P_S_30	5.04	144.56	145.82	144.87	145.83	0.000049	0.32	15.56	13.04	0.09
Spedaluzzo	55	Max WS	P_S_20	4.76	144.56	145.81	144.85	145.81	0.000045	0.31	15.36	13.03	0.09
Spedaluzzo	54			Inl Struct									
Spedaluzzo	53	Max WS	P_S_200	6.63	144.55	145.65		145.66	0.000118	0.47	13.99	12.79	0.14
Spedaluzzo	53	Max WS	P_S_100	5.72	144.55	145.62		145.63	0.000095	0.42	13.67	12.79	0.13
Spedaluzzo	53	Max WS	P_S_30	5.04	144.55	145.54		145.55	0.000094	0.40	12.64	12.78	0.13
Spedaluzzo	53	Max WS	P_S_20	4.76	144.55	145.51		145.52	0.000094	0.39	12.20	12.78	0.13
Spedaluzzo	52.5			Lat Struct									
Spedaluzzo	52	Max WS	P_S_200	5.69	144.55	145.52		145.67	0.002703	1.73	3.28	3.50	0.57
Spedaluzzo	52	Max WS	P_S_100	5.71	144.55	145.52		145.67	0.002705	1.73	3.29	3.50	0.57
Spedaluzzo	52	Max WS	P_S_30	5.04	144.55	145.45		145.59	0.002649	1.66	3.04	3.48	0.57
Spedaluzzo	52	Max WS	P_S_20	4.76	144.55	145.42		145.55	0.002635	1.63	2.93	3.48	0.57
Spedaluzzo	51.6	Max WS	P_S_200	5.69	144.55	145.52	145.22	145.67	0.002723	1.74	3.27	3.50	0.57
Spedaluzzo	51.6	Max WS	P_S_100	5.71	144.55	145.52	145.22	145.67	0.002725	1.74	3.28	3.50	0.57
Spedaluzzo	51.6	Max WS	P_S_30	5.04	144.55	145.45	145.17	145.59	0.002670	1.66	3.03	3.48	0.57
Spedaluzzo	51.6	Max WS	P_S_20	4.76	144.55	145.41	145.14	145.55	0.002657	1.63	2.92	3.47	0.57
Spedaluzzo	51.5			Bridge									
Spedaluzzo	51.4	Max WS	P_S_200	6.65	144.48	145.50		145.80	0.005660	2.41	2.75	2.81	0.78
Spedaluzzo	51.4	Max WS	P_S_100	6.08	144.48	145.44		145.72	0.005702	2.36	2.58	2.80	0.79
Spedaluzzo	51.4	Max WS	P_S_30	5.04	144.48	145.32		145.57	0.005713	2.24	2.25	2.77	0.79
Spedaluzzo	51.4	Max WS	P_S_20	4.76	144.48	145.29		145.54	0.005686	2.20	2.17	2.77	0.79
Spedaluzzo	51	Max WS	P_S_200	6.65	144.48	145.45		145.81	0.004502	2.64	2.52	2.80	0.85
Spedaluzzo	51	Max WS	P_S_100	6.08	144.48	145.40		145.73	0.004601	2.56	2.37	2.79	0.85
Spedaluzzo	51	Max WS	P_S_30	5.04	144.48	145.29		145.58	0.004834	2.41	2.09	2.77	0.86
Spedaluzzo	51	Max WS	P_S_20	4.76	144.48	145.26		145.54	0.004873	2.36	2.02	2.76	0.85
Spedaluzzo	50	Max WS	P_S_200	6.64	144.38	145.34	145.31	145.77	0.012059	2.91	2.28	2.48	0.97

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	50	Max WS	P_S_100	6.00	144.38	145.27	145.26	145.68	0.011971	2.83	2.12	2.46	0.97
Spedaluzzo	50	Max WS	P_S_30	5.04	144.38	145.17	145.16	145.54	0.011879	2.68	1.88	2.45	0.98
Spedaluzzo	50	Max WS	P_S_20	4.76	144.38	145.14	145.13	145.50	0.011795	2.63	1.81	2.44	0.98
Spedaluzzo	49	Max WS	P_S_200	6.61	144.28	145.21	145.18	145.61	0.011065	2.81	2.35	2.62	0.95
Spedaluzzo	49	Max WS	P_S_100	5.95	144.28	145.14	145.12	145.52	0.011097	2.73	2.18	2.61	0.95
Spedaluzzo	49	Max WS	P_S_30	5.04	144.28	145.04	145.03	145.39	0.011352	2.62	1.92	2.59	0.97
Spedaluzzo	49	Max WS	P_S_20	4.76	144.28	145.02	145.00	145.35	0.011300	2.58	1.85	2.58	0.97
Spedaluzzo	48	Max WS	P_S_200	6.61	144.20	145.09	145.10	145.54	0.013070	2.97	2.22	2.56	1.02
Spedaluzzo	48	Max WS	P_S_100	5.95	144.20	145.02	145.04	145.45	0.013266	2.90	2.05	2.55	1.03
Spedaluzzo	48	Max WS	P_S_30	5.04	144.20	144.91	144.95	145.32	0.014169	2.83	1.78	2.54	1.08
Spedaluzzo	48	Max WS	P_S_20	4.76	144.20	144.88	144.92	145.28	0.014185	2.78	1.71	2.54	1.08
Spedaluzzo	47	Max WS	P_S_200	6.59	143.76	144.80		145.12	0.008245	2.51	2.63	2.57	0.79
Spedaluzzo	47	Max WS	P_S_100	5.90	143.76	144.73		145.02	0.008027	2.41	2.45	2.56	0.79
Spedaluzzo	47	Max WS	P_S_30	4.68	143.76	144.59		144.84	0.007908	2.25	2.08	2.55	0.79
Spedaluzzo	47	Max WS	P_S_20	4.76	143.76	144.55		144.84	0.009331	2.39	1.99	2.55	0.87
Spedaluzzo	46	Max WS	P_S_200	6.59	143.71	144.70		145.07	0.009785	2.68	2.45	2.56	0.88
Spedaluzzo	46	Max WS	P_S_100	5.87	143.71	144.64		144.97	0.009176	2.54	2.31	2.55	0.85
Spedaluzzo	46	Max WS	P_S_30	4.66	143.71	144.50		144.79	0.009204	2.38	1.96	2.53	0.87
Spedaluzzo	46	Max WS	P_S_20	4.76	143.71	144.46	144.44	144.80	0.011433	2.59	1.84	2.52	0.97
Spedaluzzo	45	Max WS	P_S_200	6.23	143.65	144.62		144.95	0.009046	2.56	2.43	2.55	0.84
Spedaluzzo	45	Max WS	P_S_100	5.80	143.65	144.57		144.89	0.009062	2.51	2.31	2.55	0.84
Spedaluzzo	45	Max WS	P_S_30	4.61	143.65	144.43		144.71	0.009102	2.35	1.96	2.54	0.86
Spedaluzzo	45	Max WS	P_S_20	4.76	143.65	144.36	144.37	144.72	0.012807	2.68	1.78	2.53	1.02
Spedaluzzo	44	Max WS	P_S_200	6.78	143.55	144.64	144.06	144.69	0.000708	1.04	6.52	6.00	0.32
Spedaluzzo	44	Max WS	P_S_100	6.13	143.55	144.55	144.02	144.60	0.000752	1.03	5.97	6.00	0.33
Spedaluzzo	44	Max WS	P_S_30	5.04	143.55	144.41	143.97	144.46	0.000785	0.97	5.17	6.00	0.34
Spedaluzzo	44	Max WS	P_S_20	4.76	143.55	144.38	143.95	144.43	0.000792	0.96	4.96	6.00	0.34
Spedaluzzo	43.5			Bridge									
Spedaluzzo	43	Max WS	P_S_200	6.77	143.45	144.61		144.66	0.000579	0.97	6.97	6.00	0.29

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	43	Max WS	P_S_100	6.04	143.45	144.54		144.58	0.000563	0.93	6.51	6.00	0.28
Spedaluzzo	43	Max WS	P_S_30	5.04	143.45	144.41		144.45	0.000572	0.88	5.74	6.00	0.29
Spedaluzzo	43	Max WS	P_S_20	4.76	143.45	144.37		144.41	0.000569	0.86	5.53	6.00	0.29
Spedaluzzo	42	Max WS	P_S_200	6.71	143.34	144.35		144.75	0.010815	2.79	2.40	2.42	0.89
Spedaluzzo	42	Max WS	P_S_100	5.99	143.34	144.28		144.65	0.010436	2.67	2.24	2.42	0.89
Spedaluzzo	42	Max WS	P_S_30	5.04	143.34	144.18		144.50	0.010289	2.54	1.99	2.41	0.89
Spedaluzzo	42	Max WS	P_S_20	4.76	143.34	144.15		144.46	0.010126	2.48	1.92	2.41	0.89
Spedaluzzo	41	Max WS	P_S_200	6.69	143.15	144.04	144.05	144.49	0.013375	3.00	2.23	2.55	1.02
Spedaluzzo	41	Max WS	P_S_100	5.91	143.15	143.98	143.98	144.39	0.012564	2.83	2.09	2.54	1.00
Spedaluzzo	41	Max WS	P_S_30	5.04	143.15	143.88	143.89	144.26	0.013212	2.75	1.83	2.54	1.03
Spedaluzzo	41	Max WS	P_S_20	4.76	143.15	143.85	143.87	144.22	0.012987	2.69	1.77	2.53	1.03
Spedaluzzo	40	Max WS	P_S_200	6.66	143.02	143.88	143.87	144.30	0.004858	2.86	2.33	2.72	0.99
Spedaluzzo	40	Max WS	P_S_100	5.87	143.02	143.83	143.80	144.19	0.004538	2.67	2.20	2.72	0.94
Spedaluzzo	40	Max WS	P_S_30	5.04	143.02	143.72	143.73	144.08	0.005416	2.64	1.90	2.72	1.01
Spedaluzzo	40	Max WS	P_S_20	4.76	143.02	143.70	143.70	144.04	0.005420	2.59	1.84	2.72	1.00
Spedaluzzo	39.5			Bridge									
Spedaluzzo	39	Max WS	P_S_200	6.65	142.94	143.97		144.16	0.001814	1.96	3.40	3.67	0.62
Spedaluzzo	39	Max WS	P_S_100	6.02	142.94	143.88		144.07	0.002011	1.94	3.10	3.64	0.64
Spedaluzzo	39	Max WS	P_S_30	5.03	142.94	143.75		143.93	0.002256	1.87	2.69	3.60	0.66
Spedaluzzo	39	Max WS	P_S_20	4.76	142.94	143.71		143.89	0.002367	1.86	2.56	3.58	0.67
Spedaluzzo	38	Max WS	P_S_200	6.65	142.81	143.90		144.10	0.004495	2.01	3.31	3.18	0.63
Spedaluzzo	38	Max WS	P_S_100	5.98	142.81	143.80		144.01	0.004762	1.99	3.00	3.15	0.65
Spedaluzzo	38	Max WS	P_S_30	5.03	142.81	143.67		143.86	0.005064	1.93	2.60	3.12	0.68
Spedaluzzo	38	Max WS	P_S_20	4.76	142.81	143.63		143.82	0.005215	1.92	2.48	3.11	0.69
Spedaluzzo	37	Max WS	P_S_200	6.64	142.68	143.94	143.40	144.05	0.001547	1.46	4.56	4.07	0.44
Spedaluzzo	37	Max WS	P_S_100	5.96	142.68	143.84	143.36	143.95	0.001634	1.44	4.15	4.04	0.45
Spedaluzzo	37	Max WS	P_S_30	5.03	142.68	143.71	143.28	143.80	0.001648	1.39	3.61	3.74	0.45
Spedaluzzo	37	Max WS	P_S_20	4.76	142.68	143.66	143.26	143.76	0.001643	1.37	3.46	3.65	0.45
Spedaluzzo	36.5			Bridge									

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	36	Max WS	P_S_200	6.64	142.62	143.94		144.02	0.000961	1.22	5.44	4.12	0.34
Spedaluzzo	36	Max WS	P_S_100	5.96	142.62	143.85		143.92	0.000952	1.18	5.06	4.12	0.34
Spedaluzzo	36	Max WS	P_S_30	5.03	142.62	143.72		143.78	0.000935	1.11	4.52	4.12	0.34
Spedaluzzo	36	Max WS	P_S_20	4.76	142.62	143.68		143.74	0.000933	1.09	4.35	4.12	0.34
Spedaluzzo	35	Max WS	P_S_200	6.63	142.50	143.66		143.97	0.007769	2.46	2.70	2.47	0.75
Spedaluzzo	35	Max WS	P_S_100	5.94	142.50	143.58		143.87	0.007652	2.37	2.51	2.46	0.75
Spedaluzzo	35	Max WS	P_S_30	5.03	142.50	143.47		143.73	0.007482	2.25	2.24	2.44	0.75
Spedaluzzo	35	Max WS	P_S_20	4.76	142.50	143.44		143.68	0.007450	2.21	2.15	2.44	0.75
Spedaluzzo	34	Max WS	P_S_200	6.63	142.37	143.73		143.86	0.002408	1.59	4.16	3.15	0.44
Spedaluzzo	34	Max WS	P_S_100	5.94	142.37	143.64		143.76	0.002330	1.53	3.89	3.14	0.44
Spedaluzzo	34	Max WS	P_S_30	5.03	142.37	143.52		143.62	0.002210	1.43	3.51	3.13	0.43
Spedaluzzo	34	Max WS	P_S_20	4.76	142.37	143.48		143.58	0.002175	1.40	3.39	3.12	0.43
Spedaluzzo	33	Max WS	P_S_200	6.63	142.26	143.53		143.79	0.005446	2.23	2.98	2.98	0.71
Spedaluzzo	33	Max WS	P_S_100	5.94	142.26	143.45		143.69	0.005569	2.18	2.72	2.89	0.72
Spedaluzzo	33	Max WS	P_S_30	5.03	142.26	143.33		143.55	0.005659	2.10	2.39	2.77	0.72
Spedaluzzo	33	Max WS	P_S_20	4.75	142.26	143.29		143.51	0.005678	2.08	2.29	2.74	0.72
Spedaluzzo	32	Max WS	P_S_200	6.62	142.09	143.39		143.63	0.005113	2.17	3.05	2.99	0.69
Spedaluzzo	32	Max WS	P_S_100	5.93	142.09	143.29		143.53	0.005365	2.15	2.76	2.89	0.70
Spedaluzzo	32	Max WS	P_S_30	5.03	142.09	143.17		143.39	0.005559	2.09	2.41	2.77	0.72
Spedaluzzo	32	Max WS	P_S_20	4.75	142.09	143.13		143.35	0.005598	2.06	2.30	2.73	0.72
Spedaluzzo	31	Max WS	P_S_200	6.54	141.81	143.21		143.41	0.003810	1.94	3.37	3.10	0.59
Spedaluzzo	31	Max WS	P_S_100	5.91	141.81	143.09		143.29	0.004318	1.98	2.98	2.97	0.63
Spedaluzzo	31	Max WS	P_S_30	5.02	141.81	142.94		143.13	0.004779	1.97	2.54	2.82	0.66
Spedaluzzo	31	Max WS	P_S_20	4.75	141.81	142.89		143.09	0.004838	1.96	2.43	2.78	0.67
Spedaluzzo	30	Max WS	P_S_200	6.54	141.68	143.17		143.33	0.003138	1.80	3.63	3.18	0.54
Spedaluzzo	30	Max WS	P_S_100	5.90	141.68	143.03		143.20	0.003591	1.85	3.19	3.04	0.58
Spedaluzzo	30	Max WS	P_S_30	5.02	141.68	142.86		143.04	0.004045	1.86	2.71	2.88	0.61
Spedaluzzo	30	Max WS	P_S_20	4.75	141.68	142.82		142.99	0.004093	1.84	2.58	2.83	0.61
Spedaluzzo	29.4			Lat Struct									

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	29.3			Lat Struct									
Spedaluzzo	29	Max WS	P_S_200	6.52	141.46	143.03		143.21	0.003443	1.85	3.52	2.79	0.53
Spedaluzzo	29	Max WS	P_S_100	5.89	141.46	142.87		143.05	0.003993	1.91	3.08	2.67	0.57
Spedaluzzo	29	Max WS	P_S_30	5.02	141.46	142.68		142.87	0.004585	1.94	2.59	2.54	0.61
Spedaluzzo	29	Max WS	P_S_20	4.74	141.46	142.64		142.83	0.004573	1.91	2.49	2.52	0.61
Spedaluzzo	28	Max WS	P_S_200	6.52	141.44	143.13	142.14	143.19	0.000673	1.08	6.07	3.60	0.26
Spedaluzzo	28	Max WS	P_S_100	5.89	141.44	142.97	142.09	143.03	0.000711	1.07	5.51	3.60	0.28
Spedaluzzo	28	Max WS	P_S_30	5.02	141.44	142.79	142.03	142.85	0.000730	1.03	4.86	3.60	0.28
Spedaluzzo	28	Max WS	P_S_20	4.75	141.44	142.75	142.00	142.80	0.000716	1.01	4.70	3.60	0.28
Spedaluzzo	27.5			Bridge									
Spedaluzzo	27	Max WS	P_S_200	6.52	141.34	143.11		143.16	0.000536	1.00	6.52	3.90	0.24
Spedaluzzo	27	Max WS	P_S_100	5.89	141.34	142.95		143.00	0.000577	0.99	5.93	3.75	0.25
Spedaluzzo	27	Max WS	P_S_30	5.02	141.34	142.78		142.83	0.000571	0.95	5.29	3.74	0.25
Spedaluzzo	27	Max WS	P_S_20	4.75	141.34	142.74		142.78	0.000557	0.93	5.13	3.73	0.25
Spedaluzzo	26.9			Lat Struct									
Spedaluzzo	26.8			Lat Struct									
Spedaluzzo	26	Max WS	P_S_200	6.52	141.33	143.07		143.16	0.001458	1.35	4.83	3.69	0.38
Spedaluzzo	26	Max WS	P_S_100	5.89	141.33	142.90		143.00	0.001677	1.39	4.24	3.52	0.40
Spedaluzzo	26	Max WS	P_S_30	5.02	141.33	142.73		142.83	0.001817	1.37	3.65	3.34	0.42
Spedaluzzo	26	Max WS	P_S_20	4.75	141.33	142.69		142.78	0.001808	1.35	3.51	3.29	0.42
Spedaluzzo	25	Max WS	P_S_200	6.52	141.33	143.06		143.16	0.001470	1.36	4.81	3.69	0.38
Spedaluzzo	25	Max WS	P_S_100	5.89	141.33	142.90		143.00	0.001695	1.39	4.22	3.52	0.41
Spedaluzzo	25	Max WS	P_S_30	5.02	141.33	142.73		142.82	0.001840	1.38	3.63	3.33	0.42
Spedaluzzo	25	Max WS	P_S_20	4.75	141.33	142.68		142.78	0.001833	1.36	3.49	3.29	0.42
Spedaluzzo	24	Max WS	P_S_200	6.52	141.21	142.99		143.09	0.001640	1.41	4.62	3.48	0.39
Spedaluzzo	24	Max WS	P_S_100	5.89	141.21	142.82		142.93	0.001926	1.46	4.03	3.31	0.42
Spedaluzzo	24	Max WS	P_S_30	5.02	141.21	142.64		142.75	0.002111	1.46	3.45	3.13	0.44

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Spedaluzzo	24	Max WS	P_S_20	4.74	141.21	142.60		142.70	0.002092	1.43	3.32	3.09	0.44
Spedaluzzo	23	Max WS	P_S_200	6.52	141.12	142.89		143.03	0.002555	1.64	3.98	2.79	0.44
Spedaluzzo	23	Max WS	P_S_100	5.89	141.12	142.70		142.85	0.003003	1.70	3.46	2.68	0.48
Spedaluzzo	23	Max WS	P_S_30	5.02	141.12	142.52		142.66	0.003236	1.69	2.98	2.56	0.50
Spedaluzzo	23	Max WS	P_S_20	4.74	141.12	142.48		142.62	0.003155	1.65	2.88	2.54	0.49
Spedaluzzo	22	Max WS	P_S_200	6.51	141.05	142.87		142.98	0.001695	1.42	4.58	2.95	0.36
Spedaluzzo	22	Max WS	P_S_100	5.89	141.05	142.68		142.79	0.001975	1.47	4.00	2.90	0.40
Spedaluzzo	22	Max WS	P_S_30	5.02	141.05	142.48		142.59	0.002152	1.46	3.43	2.85	0.43
Spedaluzzo	22	Max WS	P_S_20	4.74	141.05	142.44		142.54	0.002101	1.43	3.32	2.84	0.42
Spedaluzzo	21	Max WS	P_S_200	6.51	141.04	142.86	142.07	142.97	0.001435	1.47	4.44	2.82	0.37
Spedaluzzo	21	Max WS	P_S_100	5.89	141.04	142.66	142.02	142.78	0.001665	1.52	3.88	2.79	0.41
Spedaluzzo	21	Max WS	P_S_30	5.02	141.04	142.47	141.94	142.58	0.001808	1.50	3.34	2.76	0.44
Spedaluzzo	21	Max WS	P_S_20	4.74	141.04	142.43	141.91	142.54	0.001762	1.47	3.23	2.75	0.43
Spedaluzzo	20.5			Bridge									
Spedaluzzo	20	Max WS	P_S_200	6.51	141.00	142.39		142.64	0.004393	2.25	2.90	2.50	0.67
Spedaluzzo	20	Max WS	P_S_100	5.88	141.00	142.29		142.54	0.004466	2.20	2.67	2.48	0.68
Spedaluzzo	20	Max WS	P_S_30	5.00	141.00	142.16		142.39	0.004673	2.15	2.33	2.46	0.71
Spedaluzzo	20	Max WS	P_S_20	4.73	141.00	142.11		142.34	0.004797	2.14	2.21	2.45	0.72
Spedaluzzo	19	Max WS	P_S_200	6.51	140.98	142.49		142.63	0.002399	1.61	4.04	3.14	0.45
Spedaluzzo	19	Max WS	P_S_100	5.89	140.98	142.40		142.52	0.002408	1.57	3.74	3.08	0.46
Spedaluzzo	19	Max WS	P_S_30	5.01	140.98	142.25		142.37	0.002423	1.51	3.31	2.99	0.46
Spedaluzzo	19	Max WS	P_S_20	4.74	140.98	142.21		142.32	0.002443	1.50	3.17	2.96	0.46
Spedaluzzo	18	Max WS	P_S_200	6.51	140.87	142.47		142.57	0.001557	1.37	4.75	3.47	0.37
Spedaluzzo	18	Max WS	P_S_100	5.88	140.87	142.37		142.46	0.001547	1.33	4.42	3.41	0.37
Spedaluzzo	18	Max WS	P_S_30	5.01	140.87	142.23		142.31	0.001530	1.27	3.93	3.32	0.37
Spedaluzzo	18	Max WS	P_S_20	4.74	140.87	142.18		142.26	0.001533	1.26	3.77	3.29	0.37
Spedaluzzo	17.9			Lat Struct									
Spedaluzzo	17	Max WS	P_S_200	6.51	140.74	142.30		142.49	0.004006	1.94	3.35	2.61	0.55

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

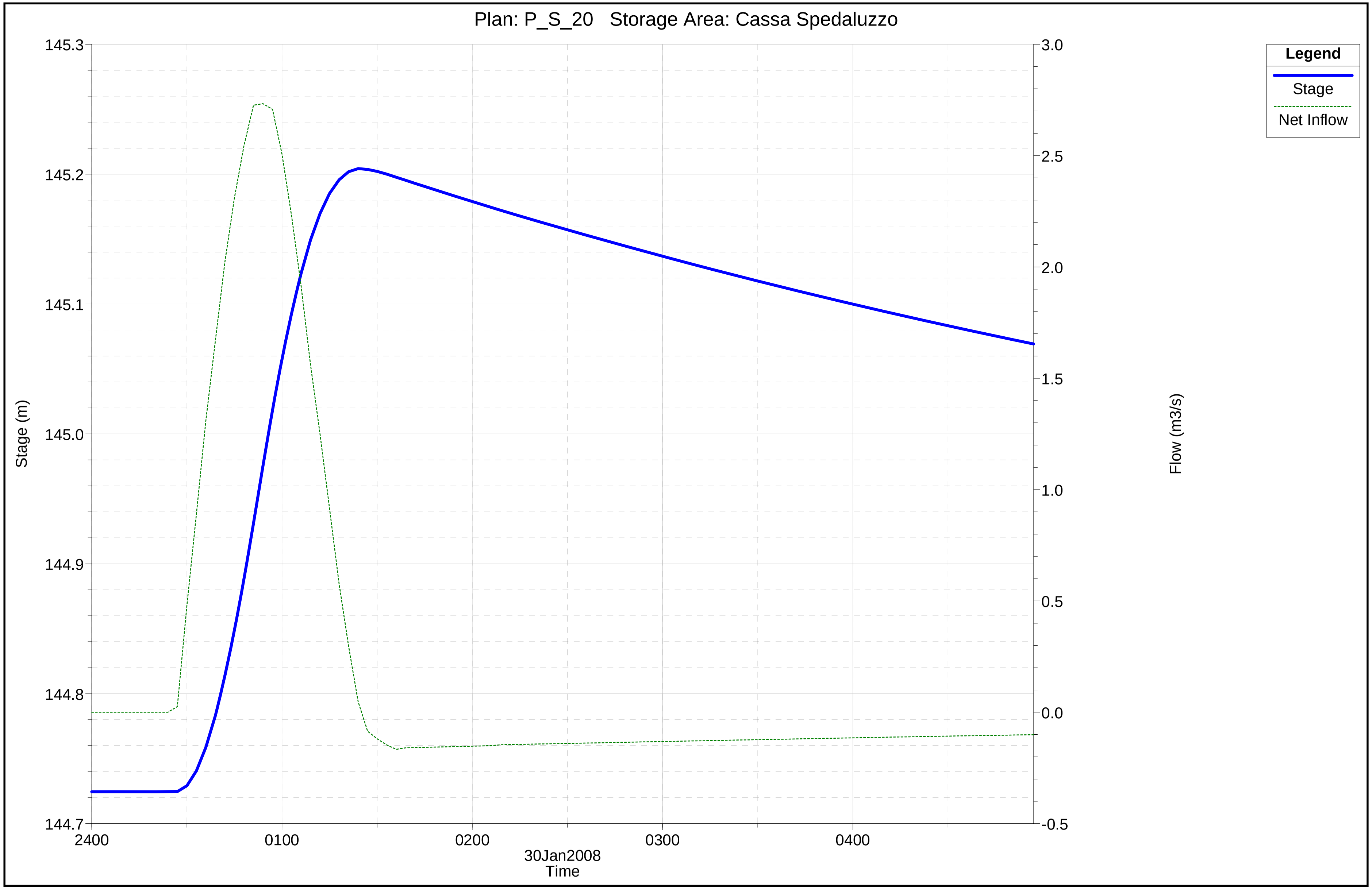
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Spedaluzzo	17	Max WS	P_S_100	5.88	140.74	142.21		142.39	0.003958	1.89	3.12	2.56	0.55
Spedaluzzo	17	Max WS	P_S_30	5.00	140.74	142.07		142.24	0.003862	1.80	2.78	2.48	0.54
Spedaluzzo	17	Max WS	P_S_20	4.73	140.74	142.03		142.19	0.003855	1.77	2.67	2.45	0.54
Spedaluzzo	16	Max WS	P_S_200	5.99	140.60	142.06		142.28	0.005108	2.09	2.86	2.47	0.62
Spedaluzzo	16	Max WS	P_S_100	5.88	140.60	141.95		142.21	0.006298	2.26	2.60	2.39	0.69
Spedaluzzo	16	Max WS	P_S_30	4.94	140.60	141.83		142.06	0.006002	2.13	2.32	2.31	0.68
Spedaluzzo	16	Max WS	P_S_20	4.66	140.60	141.78		142.01	0.006146	2.12	2.20	2.27	0.69
Spedaluzzo	15	Max WS	P_S_200	6.51	140.56	142.13	141.51	142.27	0.002009	1.67	3.91	2.66	0.44
Spedaluzzo	15	Max WS	P_S_100	5.88	140.56	142.04	141.46	142.17	0.001939	1.61	3.66	2.66	0.44
Spedaluzzo	15	Max WS	P_S_30	4.95	140.56	141.91	141.37	142.03	0.001778	1.49	3.32	2.66	0.43
Spedaluzzo	15	Max WS	P_S_20	4.69	140.56	141.86	141.34	141.97	0.001784	1.47	3.19	2.66	0.43
Spedaluzzo	14.9			Bridge									
Spedaluzzo	14	Max WS	P_S_200	5.22	140.31	141.85		142.06	0.005319	2.01	2.59	2.00	0.56
Spedaluzzo	14	Max WS	P_S_100	4.63	140.31	141.72		141.92	0.005452	1.98	2.34	1.95	0.58
Spedaluzzo	14	Max WS	P_S_30	4.61	140.31	141.56		141.83	0.007767	2.27	2.03	1.88	0.70
Spedaluzzo	14	Max WS	P_S_20	4.47	140.31	141.51		141.78	0.008300	2.31	1.93	1.86	0.72
Spedaluzzo	13.9			Lat Struct									
Spedaluzzo	13.8			Lat Struct									
Spedaluzzo	13	Max WS	P_S_200	5.22	140.21	141.90		141.99	0.001834	1.37	3.81	2.69	0.37
Spedaluzzo	13	Max WS	P_S_100	4.84	140.21	141.76		141.86	0.002024	1.40	3.46	2.62	0.39
Spedaluzzo	13	Max WS	P_S_30	4.67	140.21	141.61		141.73	0.002623	1.53	3.05	2.54	0.45
Spedaluzzo	13	Max WS	P_S_20	4.50	140.21	141.55		141.67	0.002765	1.55	2.90	2.51	0.46
Spedaluzzo	12	Max WS	P_S_200	5.22	140.21	141.90		141.97	0.001269	1.21	4.30	3.39	0.34
Spedaluzzo	12	Max WS	P_S_100	4.84	140.21	141.76		141.84	0.001461	1.26	3.85	3.26	0.37
Spedaluzzo	12	Max WS	P_S_30	4.67	140.21	141.60		141.70	0.002017	1.41	3.32	3.09	0.43
Spedaluzzo	12	Max WS	P_S_20	4.48	140.21	141.54		141.64	0.002171	1.43	3.14	3.03	0.45
Spedaluzzo	11	Max WS	P_S_200	5.22	140.09	141.90		141.96	0.001009	1.11	4.69	3.49	0.31
Spedaluzzo	11	Max WS	P_S_100	4.84	140.09	141.76		141.83	0.001141	1.14	4.23	3.36	0.33

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

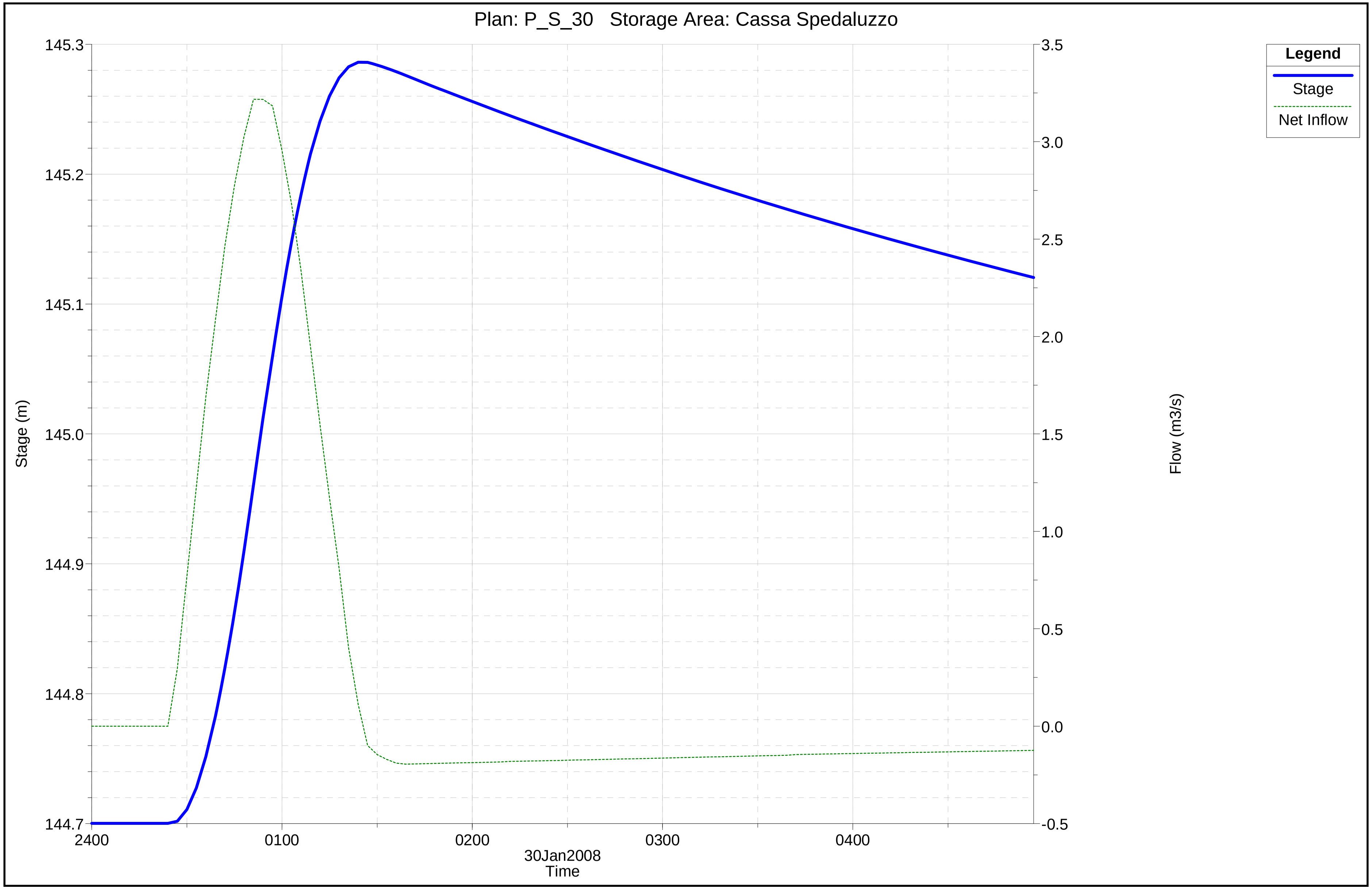
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Spedaluzzo	11	Max WS	P_S_30	4.67	140.09	141.60		141.68	0.001537	1.27	3.68	3.19	0.38
Spedaluzzo	11	Max WS	P_S_20	4.48	140.09	141.53		141.62	0.001636	1.29	3.49	3.13	0.39
Spedaluzzo	10	Max WS	P_S_200	8.40	139.85	141.46		141.68	0.003913	2.08	4.03	3.31	0.60
Spedaluzzo	10	Max WS	P_S_100	7.45	139.85	141.35		141.56	0.003951	2.03	3.67	3.20	0.61
Spedaluzzo	10	Max WS	P_S_30	6.26	139.85	141.28		141.45	0.003246	1.81	3.47	3.13	0.55
Spedaluzzo	10	Max WS	P_S_20	5.90	139.85	141.23		141.39	0.003298	1.79	3.29	3.08	0.55
Spedaluzzo	09	Max WS	P_S_200	9.11	139.68	141.11	140.94	141.47	0.005325	2.63	3.46	3.13	0.80
Spedaluzzo	09	Max WS	P_S_100	8.03	139.68	141.02	140.85	141.35	0.005228	2.53	3.17	3.04	0.79
Spedaluzzo	09	Max WS	P_S_30	7.10	139.68	140.93	140.76	141.23	0.005215	2.45	2.90	2.95	0.79
Spedaluzzo	09	Max WS	P_S_20	6.66	139.68	140.88	140.72	141.18	0.005244	2.42	2.76	2.90	0.79
Spedaluzzo	08.5			Bridge									
Spedaluzzo	08	Max WS	P_S_200	9.11	139.63	141.11		141.40	0.004056	2.37	3.85	3.18	0.69
Spedaluzzo	08	Max WS	P_S_100	8.03	139.63	141.02		141.28	0.003900	2.26	3.56	3.11	0.67
Spedaluzzo	08	Max WS	P_S_30	7.10	139.63	140.93		141.17	0.003787	2.16	3.28	3.04	0.67
Spedaluzzo	08	Max WS	P_S_20	6.66	139.63	140.88		141.11	0.003752	2.12	3.14	3.00	0.66
Spedaluzzo	7.9			Lat Struct									
Spedaluzzo	7.8			Lat Struct									
Spedaluzzo	07	Max WS	P_S_200	9.11	139.49	140.99		141.30	0.005806	2.47	3.69	3.21	0.73
Spedaluzzo	07	Max WS	P_S_100	8.03	139.49	140.91		141.19	0.005545	2.35	3.42	3.12	0.72
Spedaluzzo	07	Max WS	P_S_30	7.10	139.49	140.82		141.08	0.005362	2.25	3.15	3.04	0.71
Spedaluzzo	07	Max WS	P_S_20	6.66	139.49	140.78		141.02	0.005302	2.21	3.02	2.99	0.70
Spedaluzzo	06	Max WS	P_S_200	9.10	139.23	140.64	140.59	141.09	0.010577	2.98	3.06	3.02	0.94
Spedaluzzo	06	Max WS	P_S_100	8.03	139.23	140.56		140.97	0.010135	2.84	2.83	2.89	0.92
Spedaluzzo	06	Max WS	P_S_30	7.10	139.23	140.48		140.86	0.009766	2.72	2.61	2.76	0.90
Spedaluzzo	06	Max WS	P_S_20	6.66	139.23	140.44		140.80	0.009639	2.67	2.49	2.69	0.89
Spedaluzzo	05	Max WS	P_S_200	9.10	139.06	140.42	140.42	140.94	0.012472	3.18	2.86	2.80	1.00
Spedaluzzo	05	Max WS	P_S_100	8.03	139.06	140.34	140.32	140.81	0.012039	3.05	2.63	2.67	0.98
Spedaluzzo	05	Max WS	P_S_30	7.10	139.06	140.26	140.23	140.69	0.011587	2.92	2.43	2.54	0.95

HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

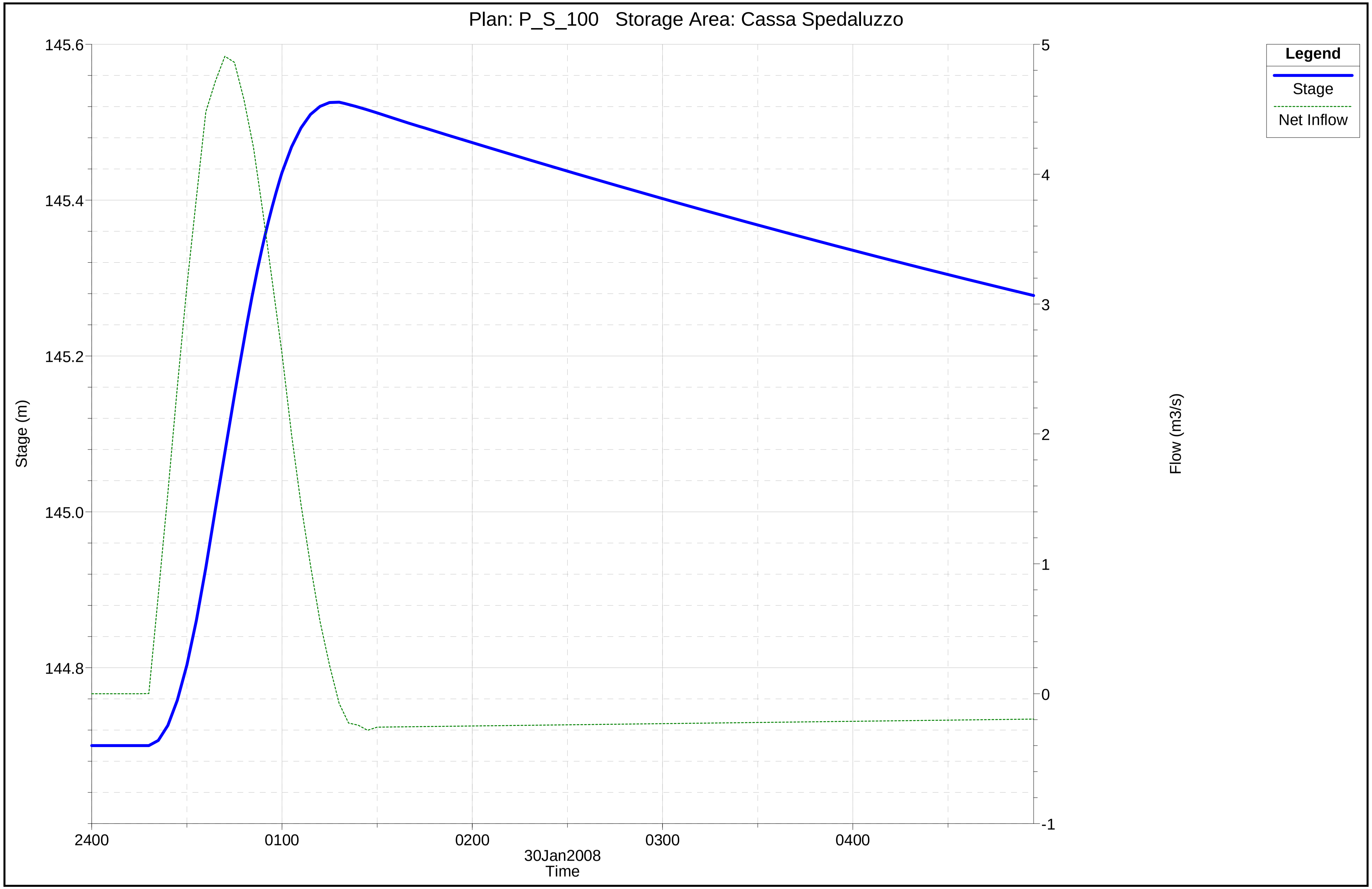
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Spedaluzzo	05	Max WS	P_S_20	6.66	139.06	140.22	140.17	140.64	0.011397	2.86	2.33	2.48	0.94
Spedaluzzo	04	Max WS	P_S_200	9.10	138.61	139.78		140.13	0.007270	2.62	3.47	4.21	0.92
Spedaluzzo	04	Max WS	P_S_100	8.03	138.61	139.71		140.04	0.007253	2.54	3.17	4.06	0.92
Spedaluzzo	04	Max WS	P_S_30	7.09	138.61	139.64		139.95	0.007242	2.45	2.89	3.91	0.91
Spedaluzzo	04	Max WS	P_S_20	6.66	138.61	139.61		139.90	0.007225	2.41	2.76	3.84	0.91
Spedaluzzo	03	Max WS	P_S_200	9.10	138.27	139.45		139.77	0.006723	2.52	3.62	4.42	0.89
Spedaluzzo	03	Max WS	P_S_100	8.03	138.27	139.38		139.68	0.006807	2.45	3.28	4.24	0.89
Spedaluzzo	03	Max WS	P_S_30	7.09	138.27	139.30		139.59	0.006870	2.38	2.99	4.08	0.89
Spedaluzzo	03	Max WS	P_S_20	6.66	138.27	139.27		139.55	0.006924	2.34	2.84	4.00	0.89
Spedaluzzo	02	Max WS	P_S_200	9.08	137.79	139.16		139.38	0.003865	2.06	4.41	4.73	0.68
Spedaluzzo	02	Max WS	P_S_100	8.02	137.79	139.06		139.27	0.004073	2.03	3.95	4.50	0.69
Spedaluzzo	02	Max WS	P_S_30	7.09	137.79	138.97		139.17	0.004308	2.01	3.53	4.29	0.71
Spedaluzzo	02	Max WS	P_S_20	6.65	137.79	138.92		139.12	0.004445	2.00	3.32	4.19	0.72
Spedaluzzo	01	Max WS	P_S_200	9.08	137.36	138.74	138.60	139.10	0.007071	2.65	3.42	3.26	0.83
Spedaluzzo	01	Max WS	P_S_100	8.02	137.36	138.65	138.51	138.98	0.007009	2.56	3.13	3.16	0.82
Spedaluzzo	01	Max WS	P_S_30	7.09	137.36	138.56	138.43	138.87	0.007086	2.49	2.84	3.05	0.83
Spedaluzzo	01	Max WS	P_S_20	6.65	137.36	138.51	138.39	138.82	0.007094	2.45	2.71	3.00	0.82

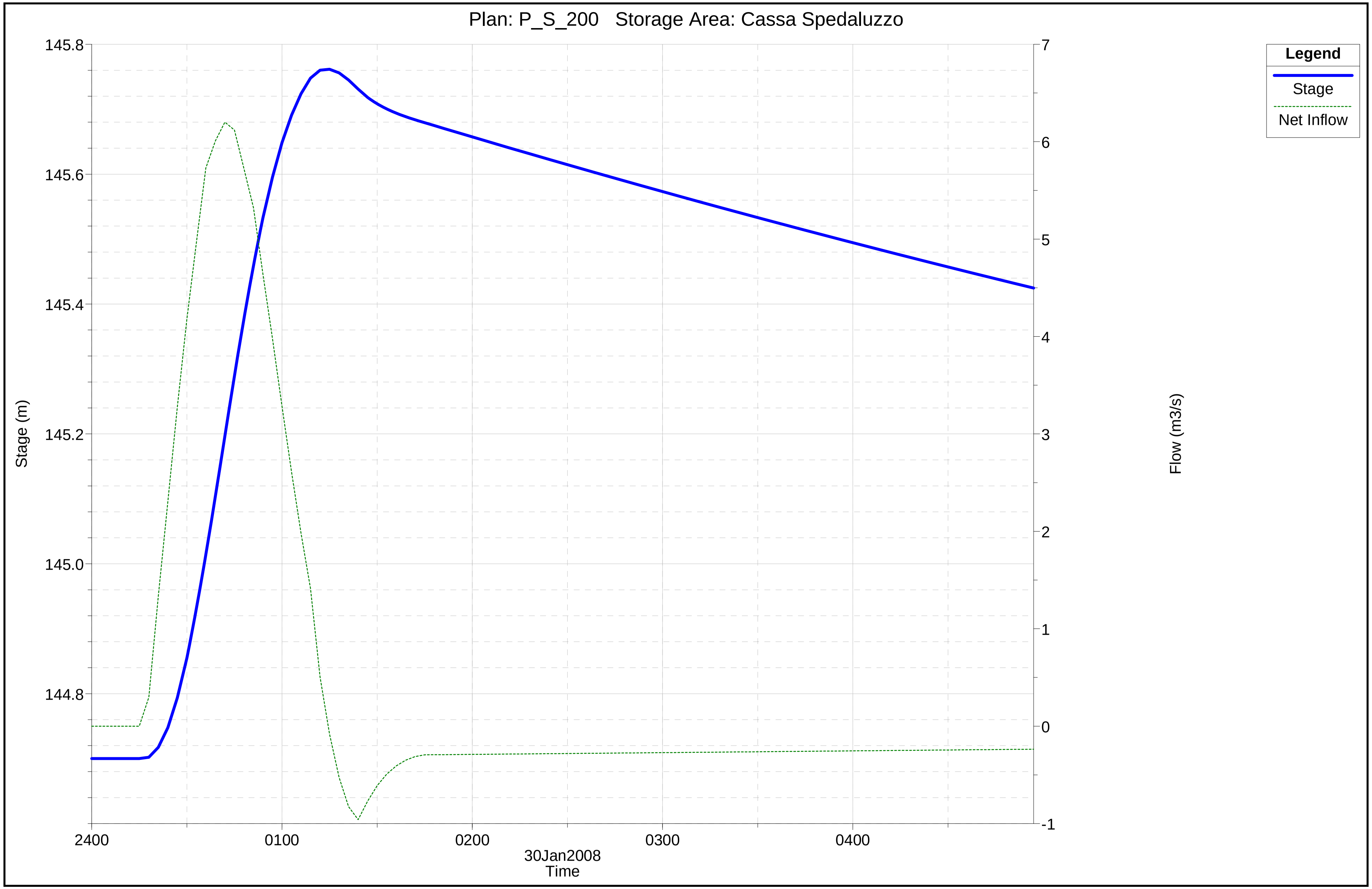


Plan: P_S_20   Storage Area: Cassa Spedaluzzo
Legend
Stage
Net Inflow
Stage (m)
145.3
145.2
145.1
145.0
144.9
144.8
144.7
Flow (m3/s)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
2400
0100
0200
0300
0400
30Jan2008
Time



Plan: P_S_30 Storage Area: Cassa Spedaluzzo
Legend
Stage
Net Inflow
Stage (m)
145.3
145.2
145.1
145.0
144.9
144.8
144.7
Flow (m3/s)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
2400
0100
0200
0300
0400
30Jan2008
Time


Plan: P_S_100 Storage Area: Cassa Spedaluzzo
Legend
Stage
Net Inflow
Stage (m)
145.6
145.4
145.2
145.0
144.8
Flow (m3/s)
5
4
3
2
1
0
-1
2400
0100
0200
0300
0400
30Jan2008
Time


Plan: P_S_200   Storage Area: Cassa Spedaluzzo
Stage (m)
145.8
145.6
145.4
145.2
145.0
144.8
Flow (m3/s)
7
6
5
4
3
2
1
0
-1
2400
0100
0200
0300
0400
30Jan2008
Time
Legend
Stage
Net Inflow

borro del Giglio - stato di progetto

verifiche con Tpioggia critico per il Borro del Giglio

- moto vario

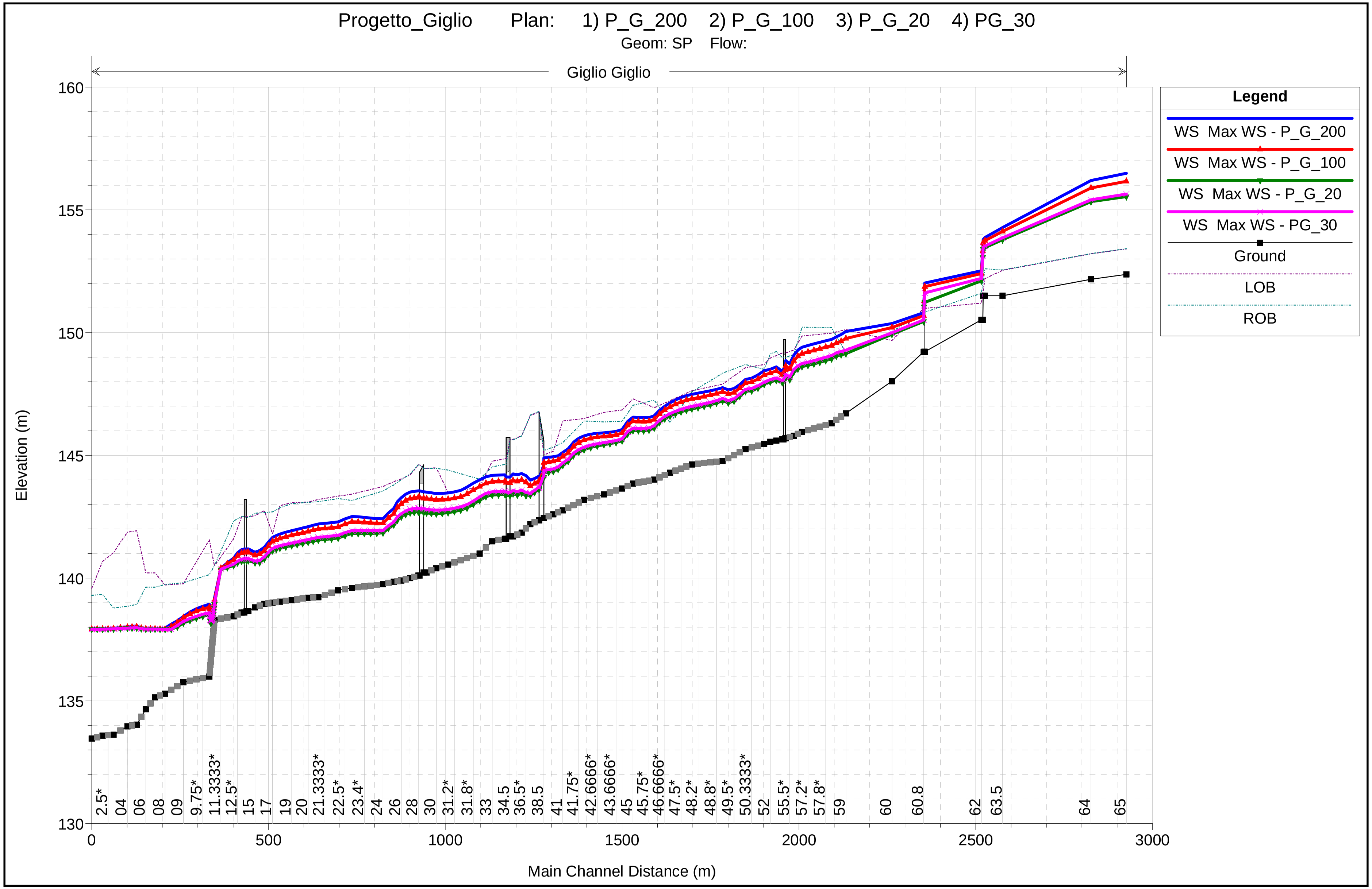
  Tr=200, 100, 30 e 20 anni

  profilo

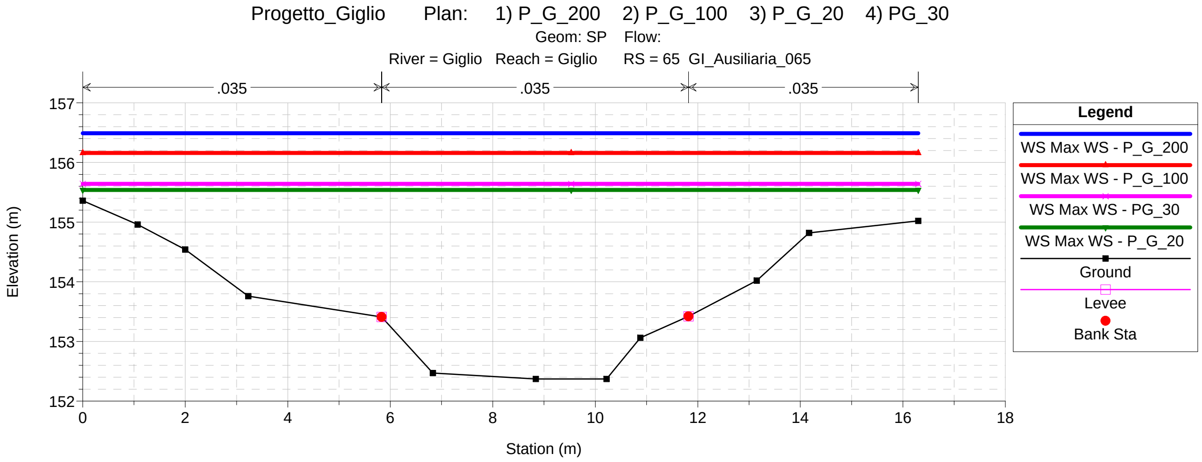
  livelli idrici nelle sezioni di verifica

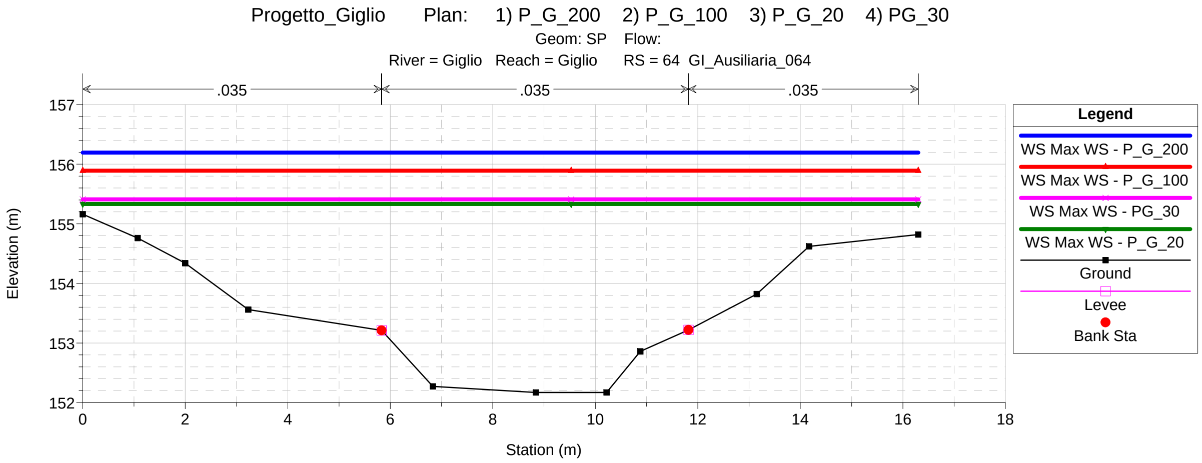
  tabella di output del software Hec-ras 4.0

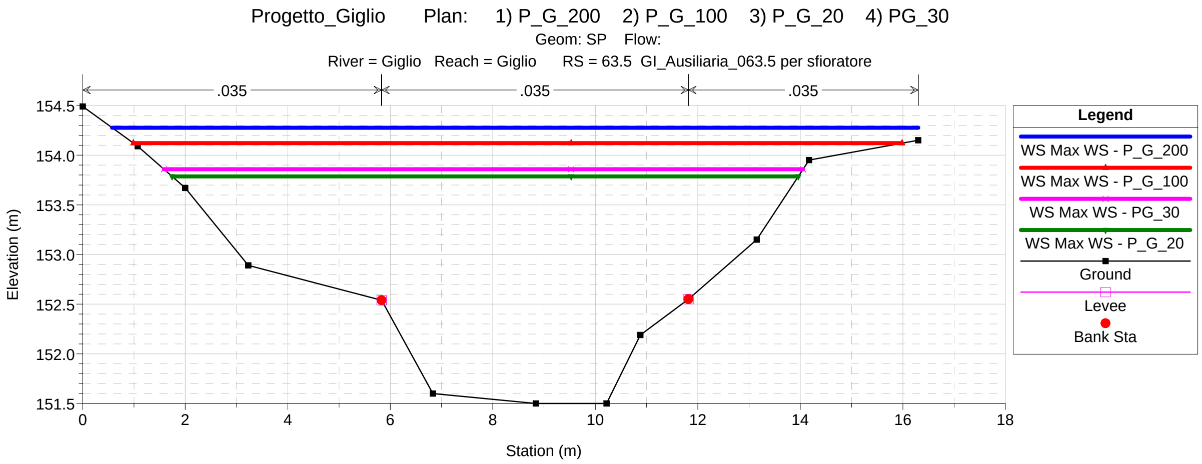
  livelli e portate in ingresso alle aree di accumulo

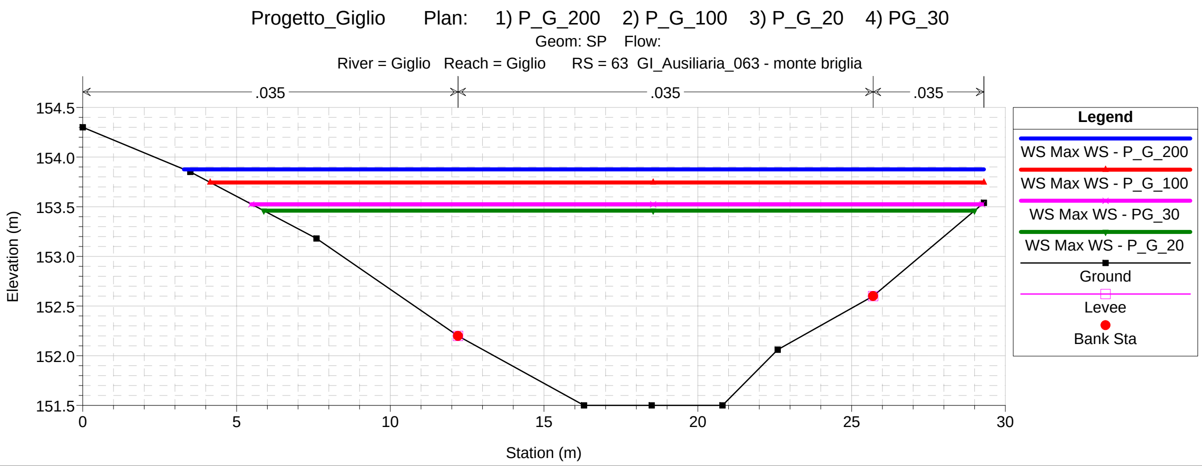


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
Giglio Giglio
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - P_G_20
WS Max WS - PG_30
Ground
LOB
ROB
Elevation (m)
Main Channel Distance (m)
160
155
150
145
140
135
130
0
500
1000
1500
2000
2500
3000
2.5*
04
06
08
09
9.75*
11.3333*
12.5*
15
17
19
20
21.3333*
22.5*
23.4*
24
26
28
30
31.2*
31.8*
33
34.5
36.5*
38.5
41
41.75*
42.6666*
43.6666*
45
45.75*
46.6666*
47.5*
48.2*
48.8*
49.5*
50.3333*
52
55.5*
57.2*
57.8*
59
60
60.8
62
63.5
64
65

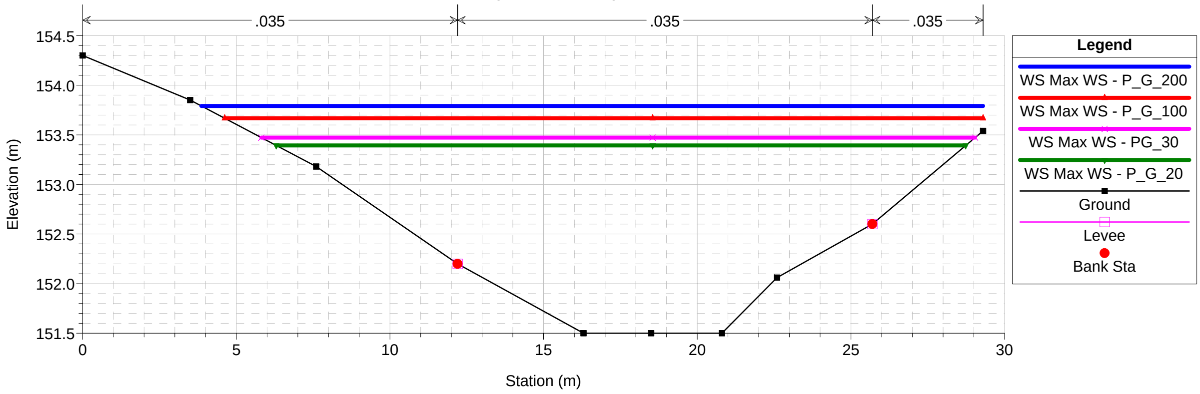

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 65 GI_Ausiliaria_065
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 64 GI_Ausiliaria_064
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

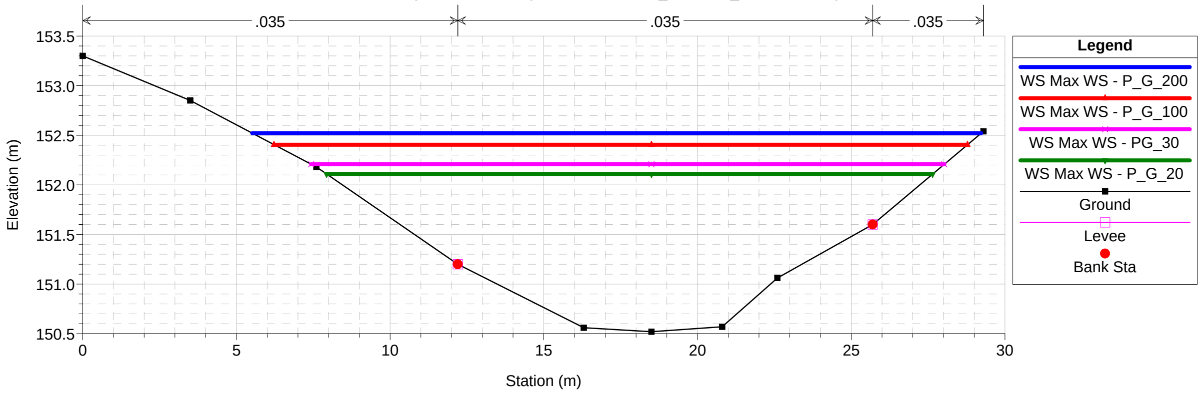

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 63.5 GI_Ausiliaria_063.5 per sfioratore
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 63 GI_Ausiliaria_063 - monte briglia
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

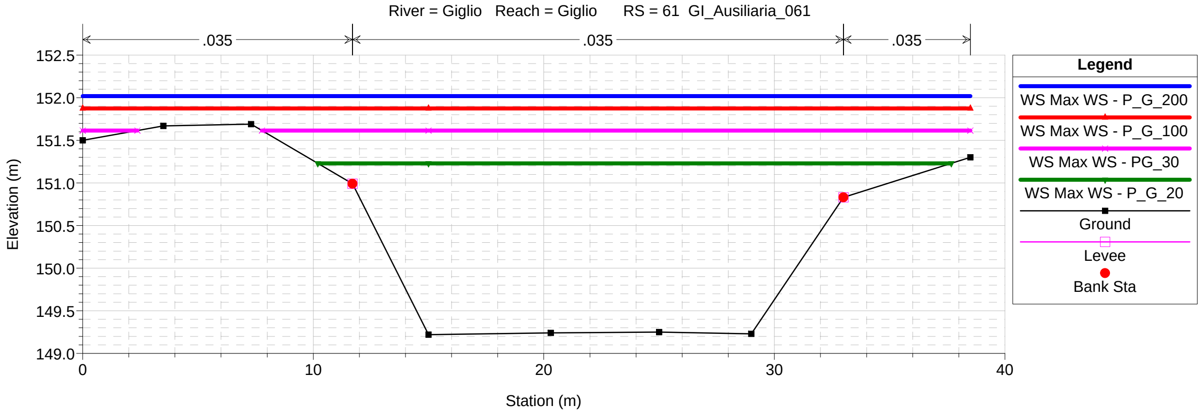
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 62.5 IS



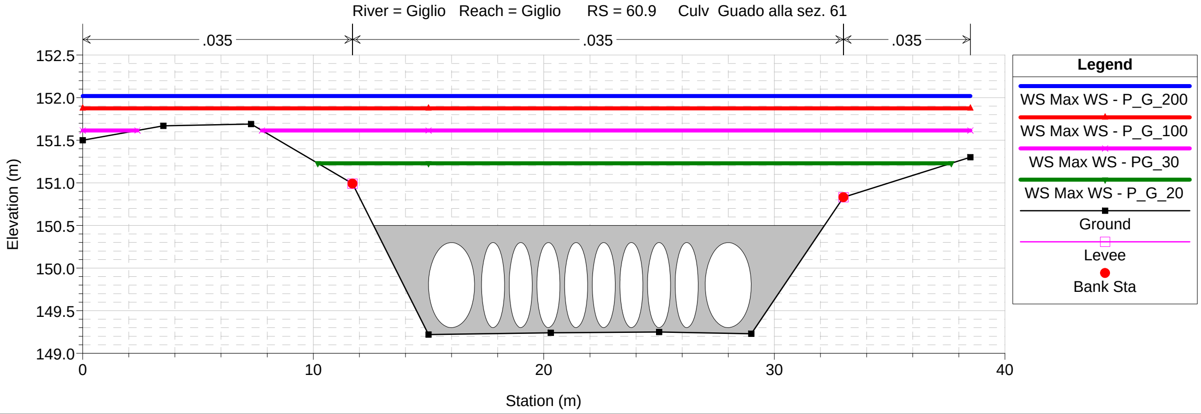
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 62 GI_Ausiliaria_062 - valle briglia

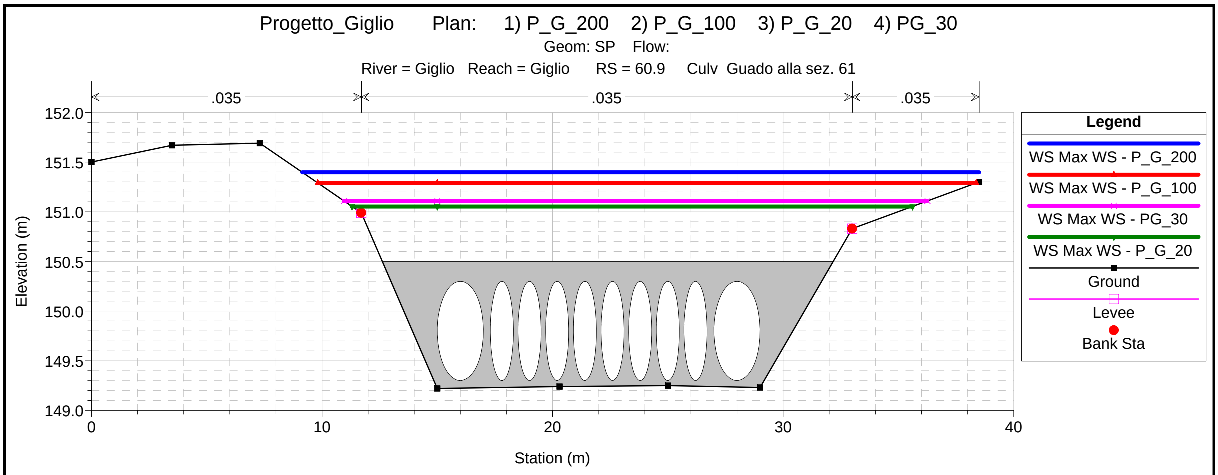


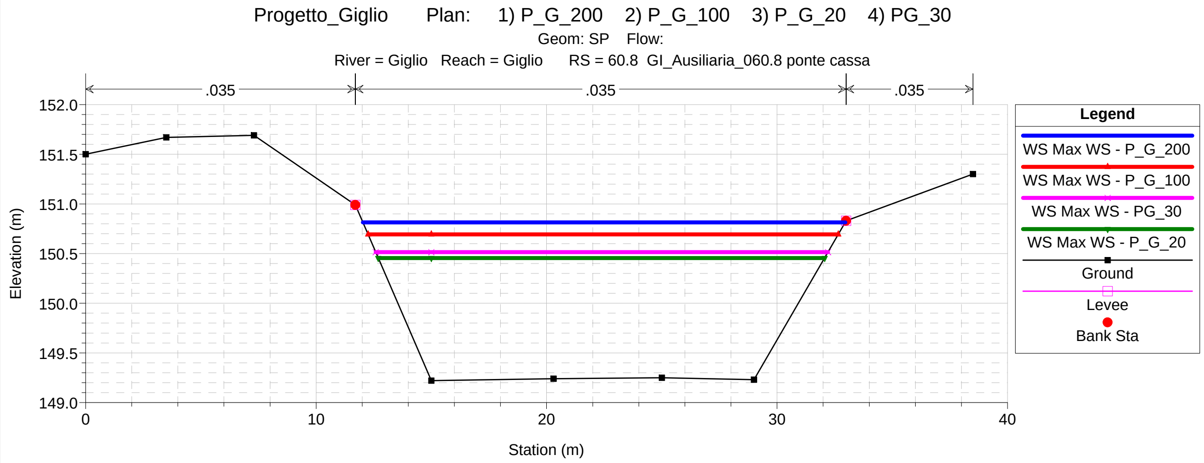
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 61 GI_Ausiliaria_061

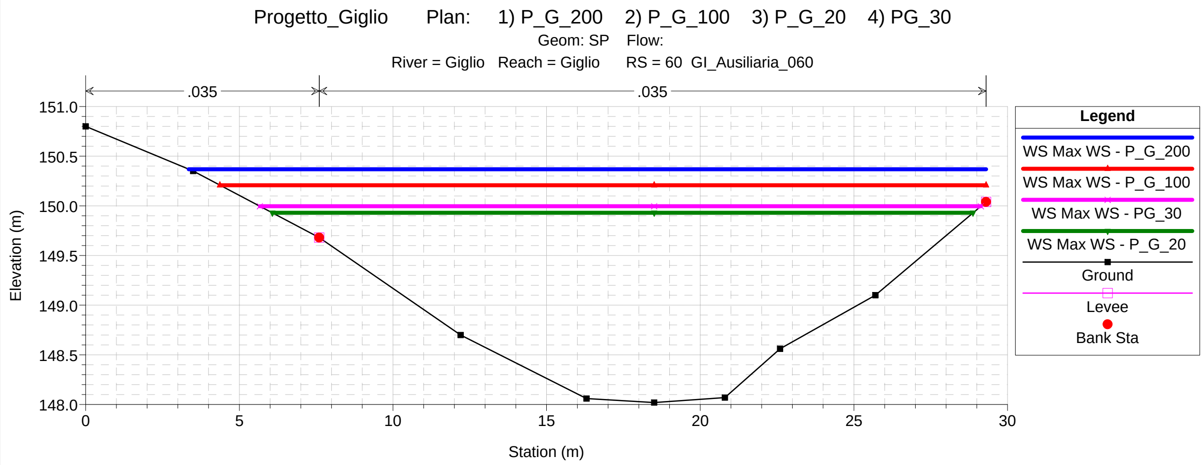


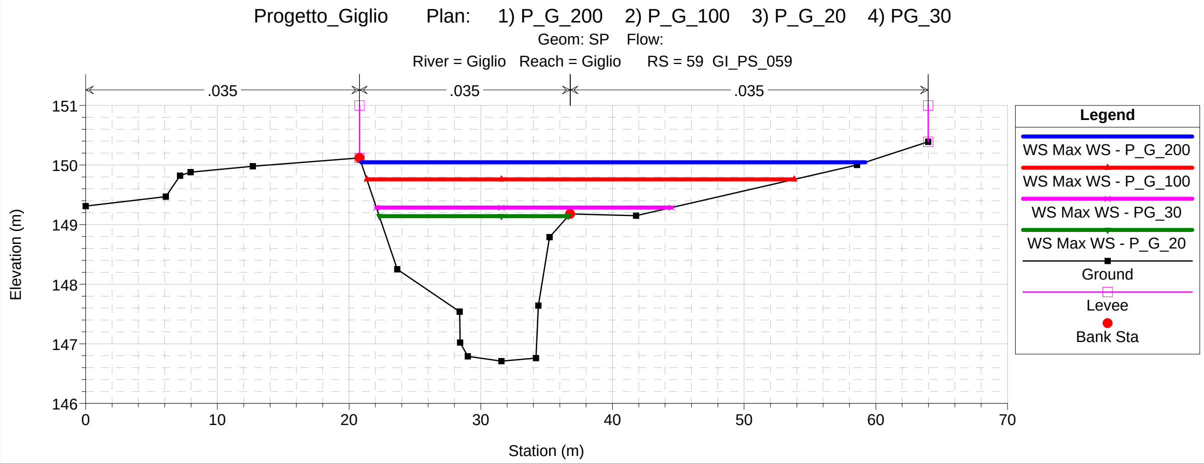
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 60.9 Culv Guado alla sez. 61

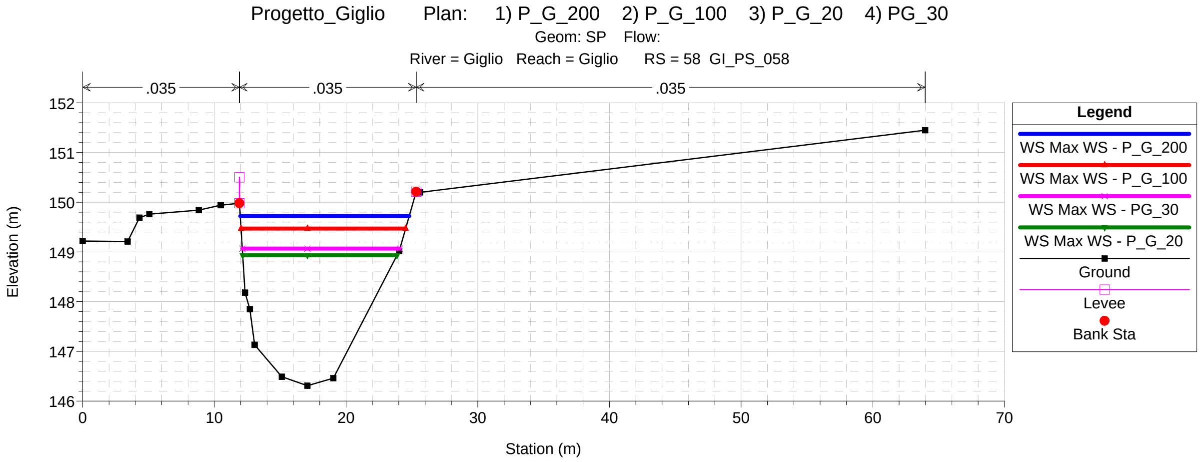



Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 60.9 Culv Guado alla sez. 61
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

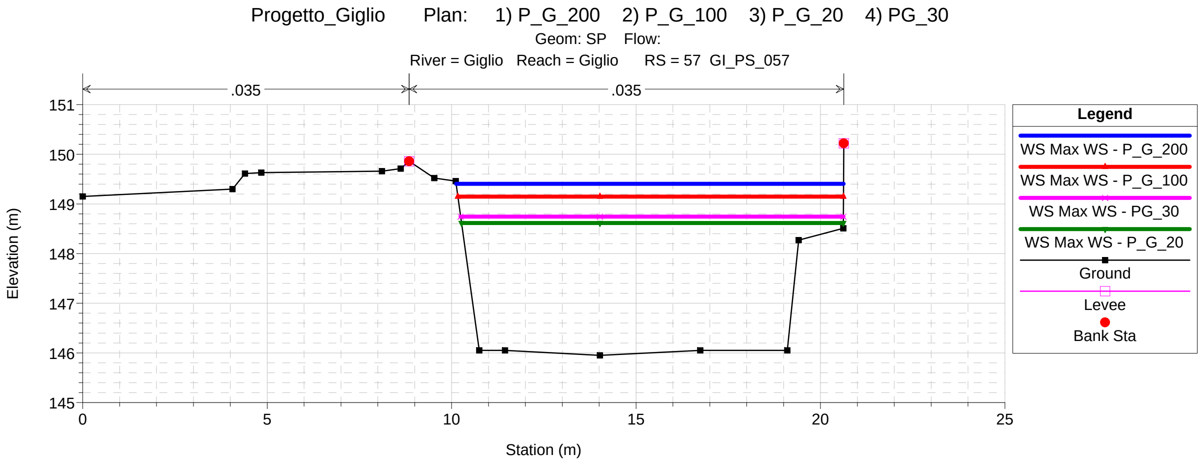

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 60.8 GI_Ausiliaria_060.8 ponte cassa
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 60 GI_Ausiliaria_060
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

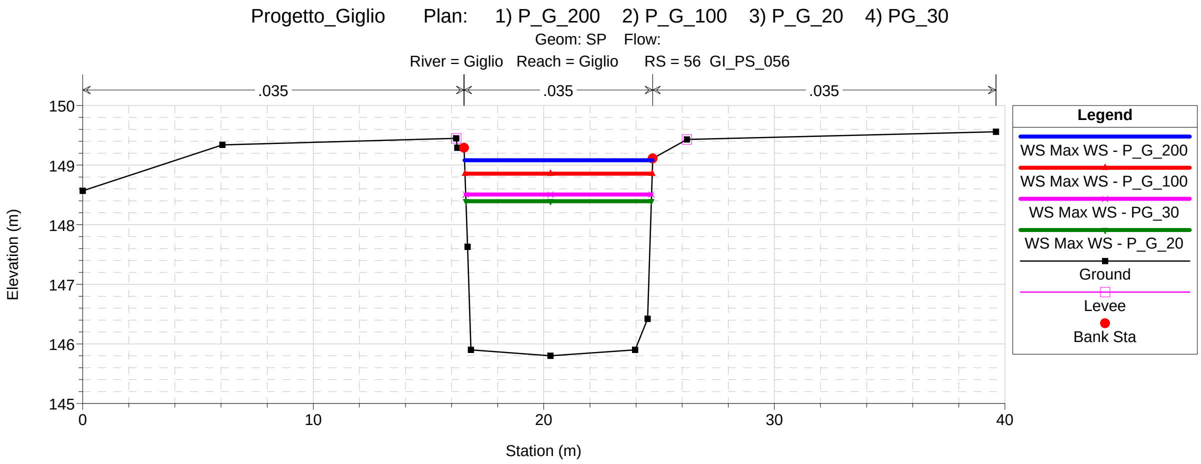

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 59 GI_PS_059
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta



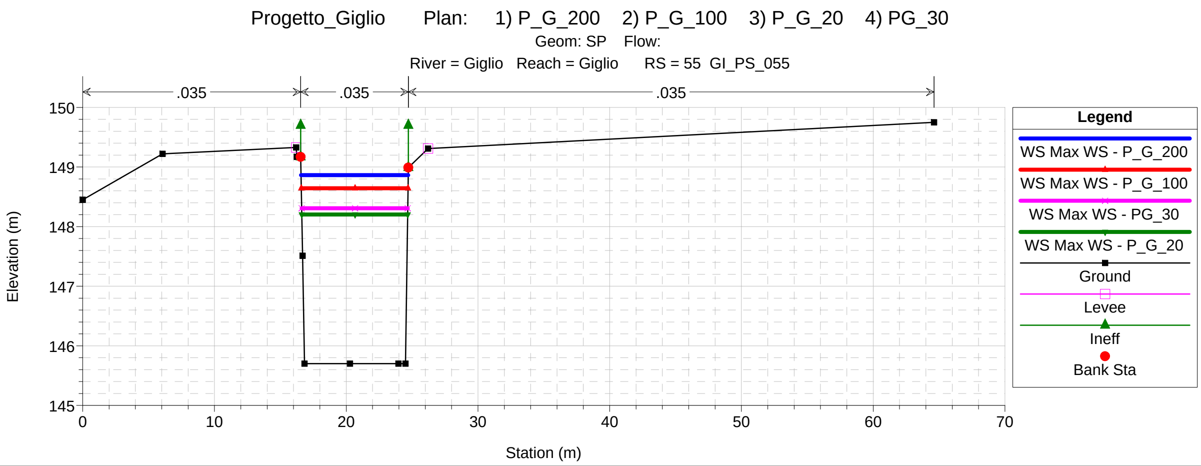
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 58 GI_PS_058
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta



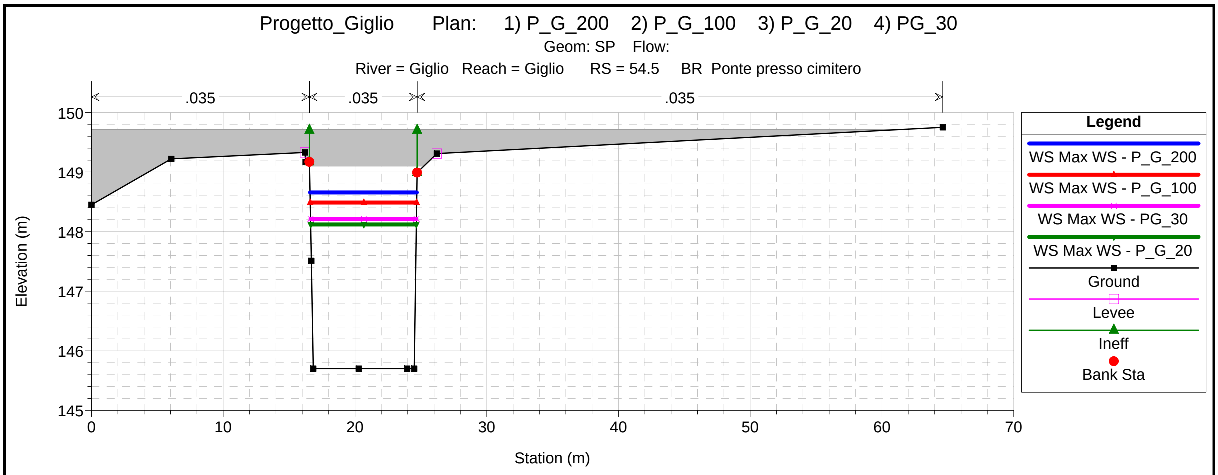
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 57 GI_PS_057
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

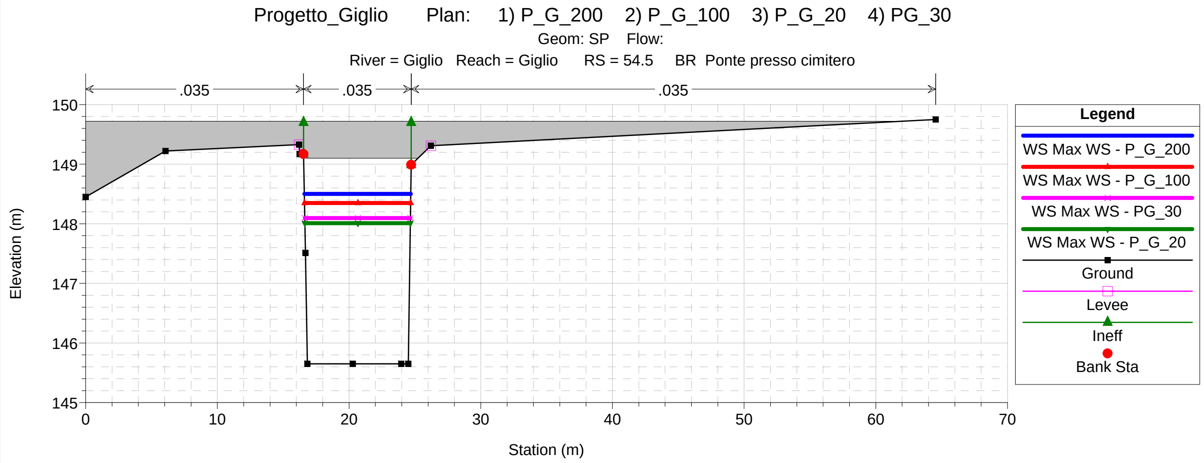


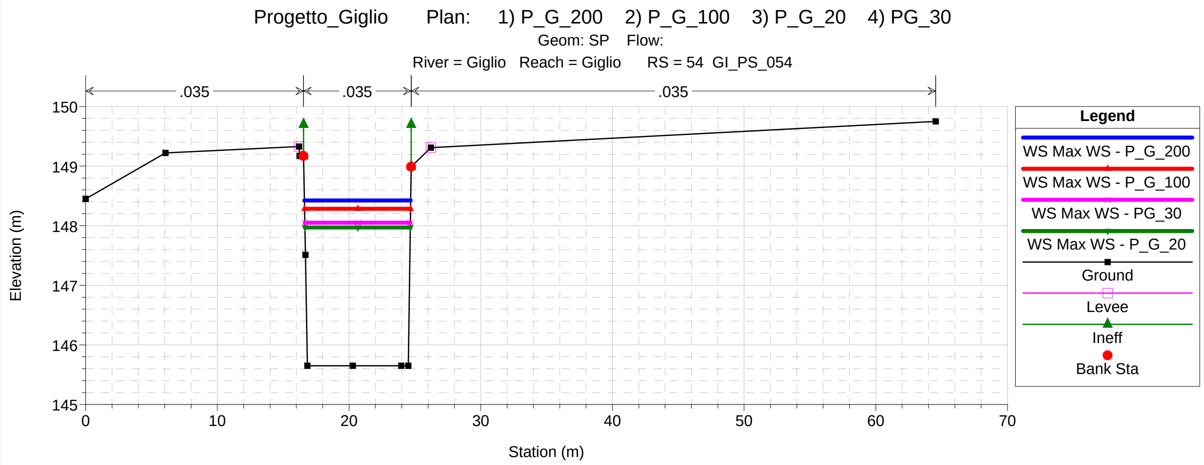
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 56 GI_PS_056
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

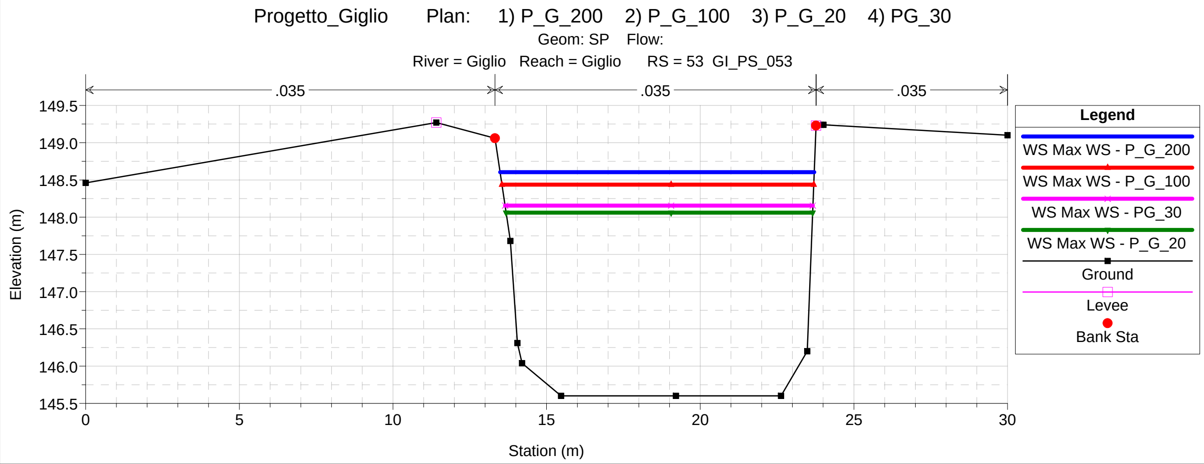


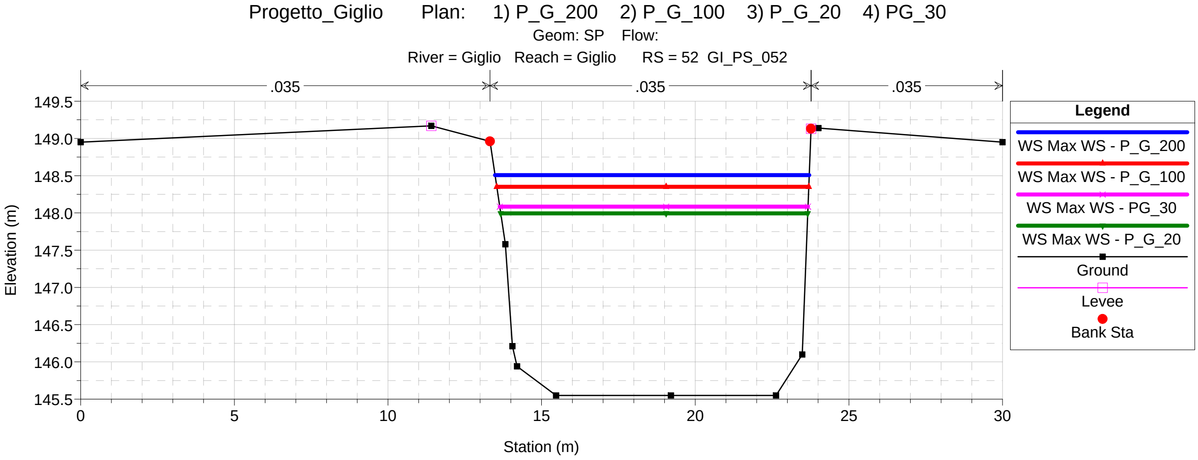
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 55 GI_PS_055
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

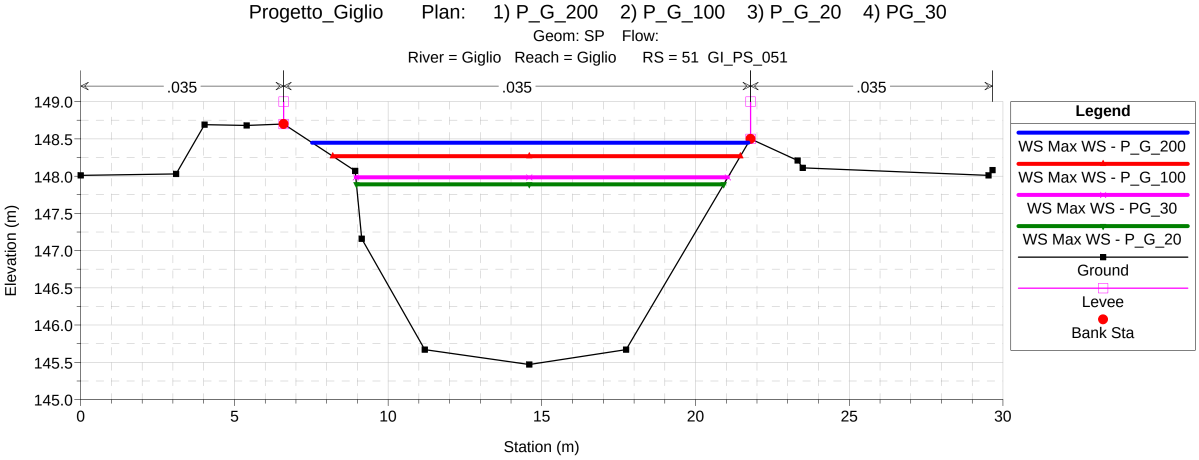

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
150
149
148
147
146
145
0
10
20
30
40
50
60
70
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

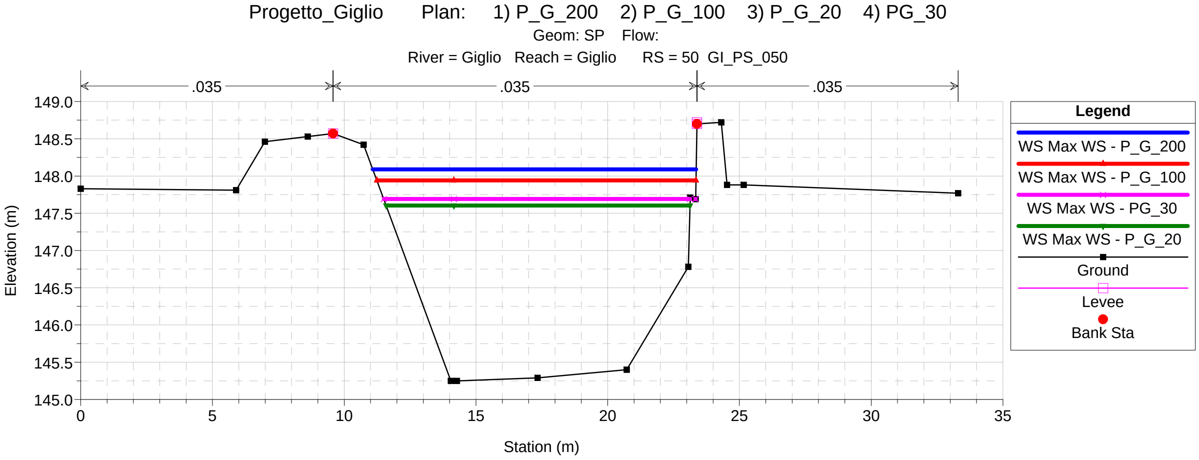

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
150
149
148
147
146
145
0
10
20
30
40
50
60
70
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

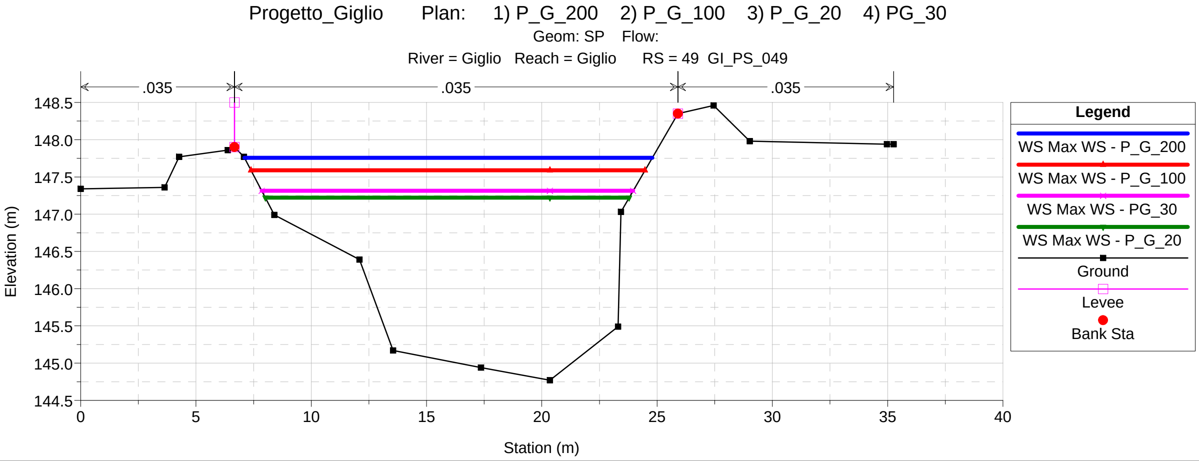

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 54 GI_PS_054
.035
.035
.035
Elevation (m)
150
149
148
147
146
145
0
10
20
30
40
50
60
70
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

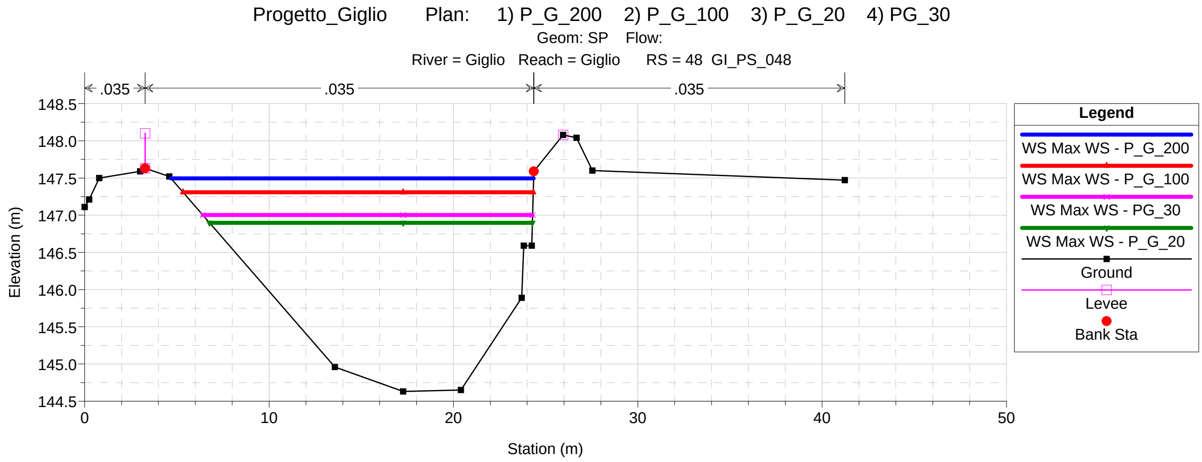

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 53 GI_PS_053
.035
.035
.035
Elevation (m)
149.5
149.0
148.5
148.0
147.5
147.0
146.5
146.0
145.5
0
5
10
15
20
25
30
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

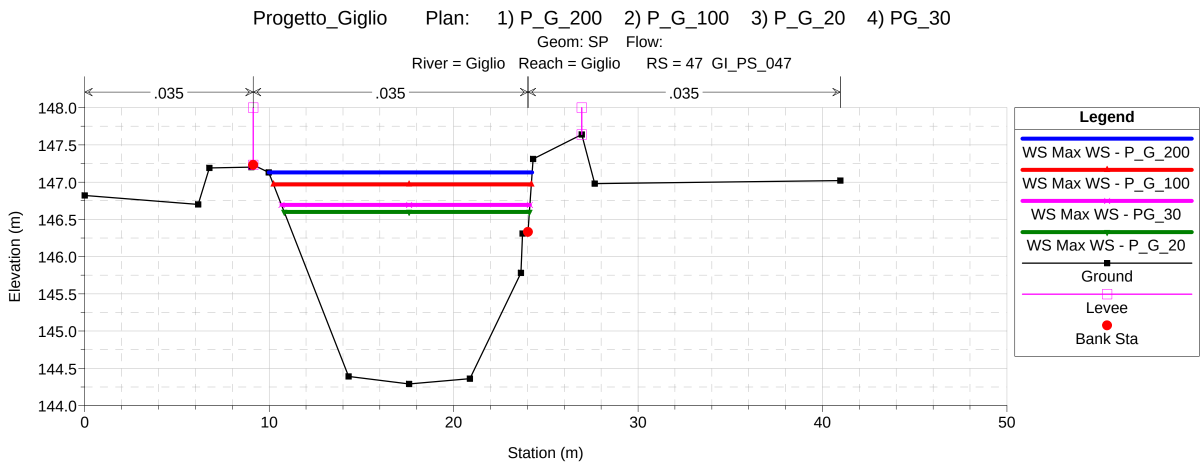

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 52 GI_PS_052
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

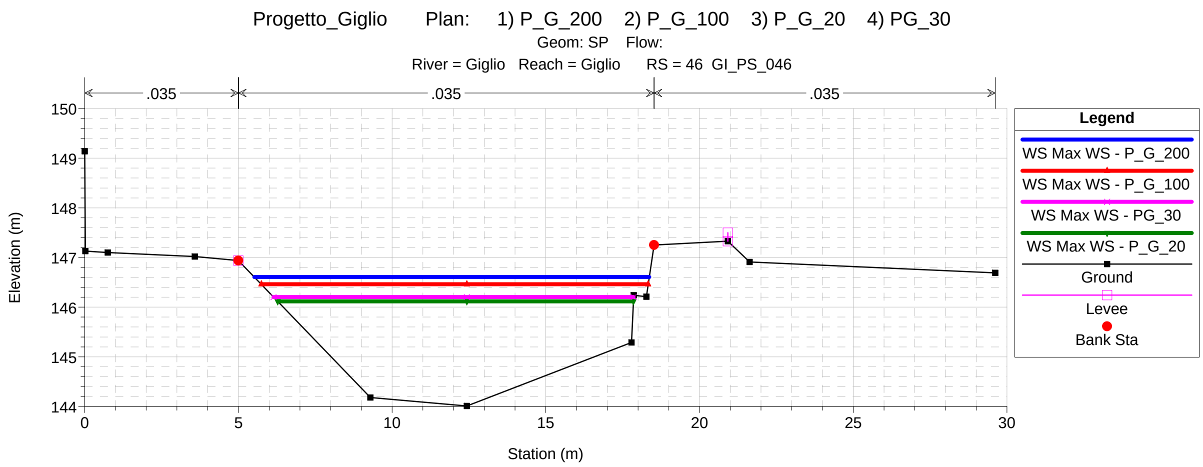

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 51 GI_PS_051
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

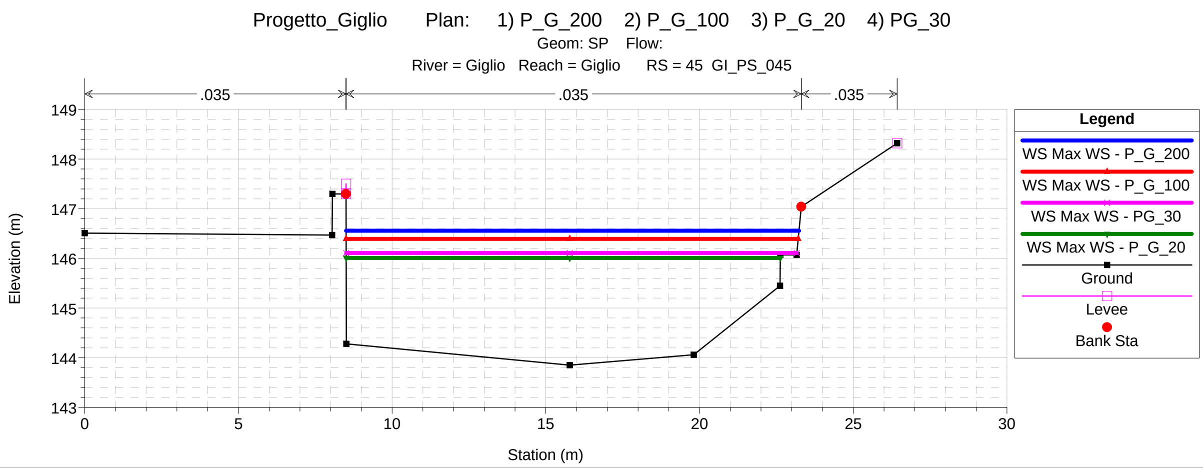

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 50 GI_PS_050
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 49 GI_PS_049
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

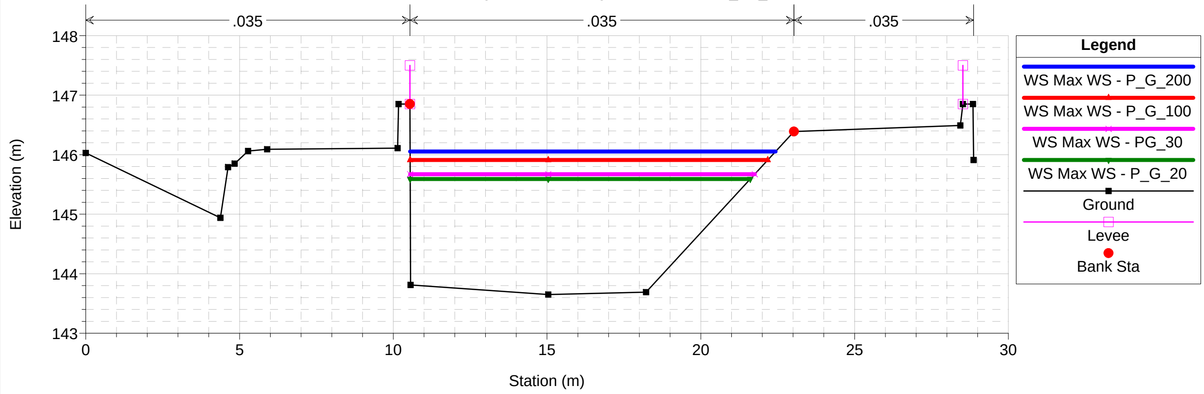

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 48 GI_PS_048
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 47 GI_PS_047
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

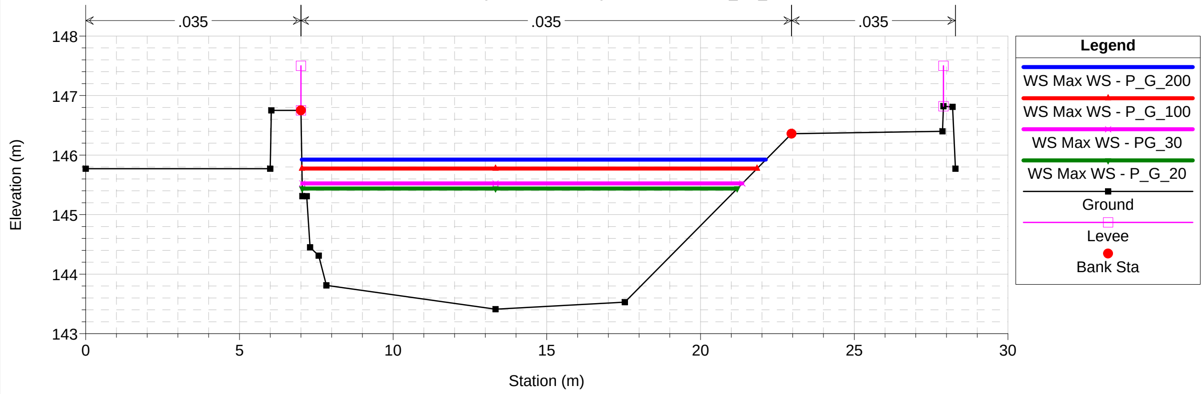

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 46 GI_PS_046
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 45 GI_PS_045
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

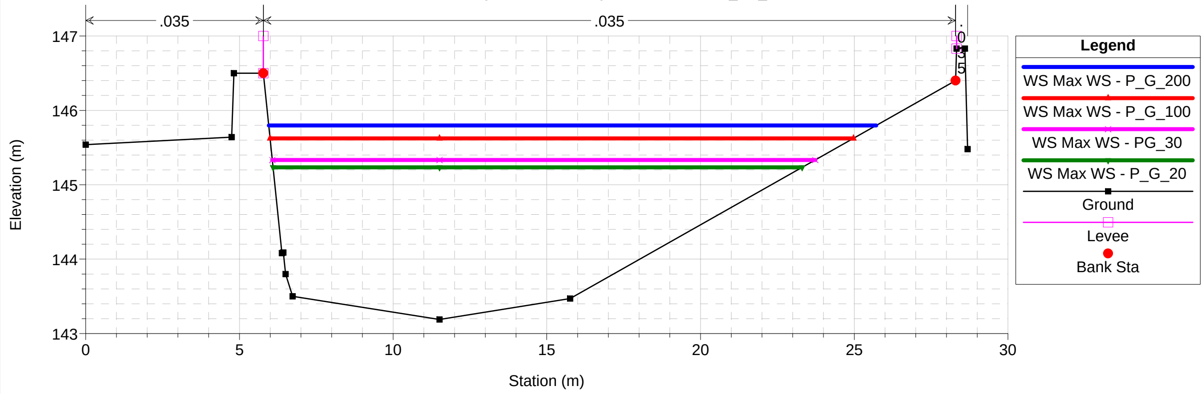
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 44 GI_PS_044



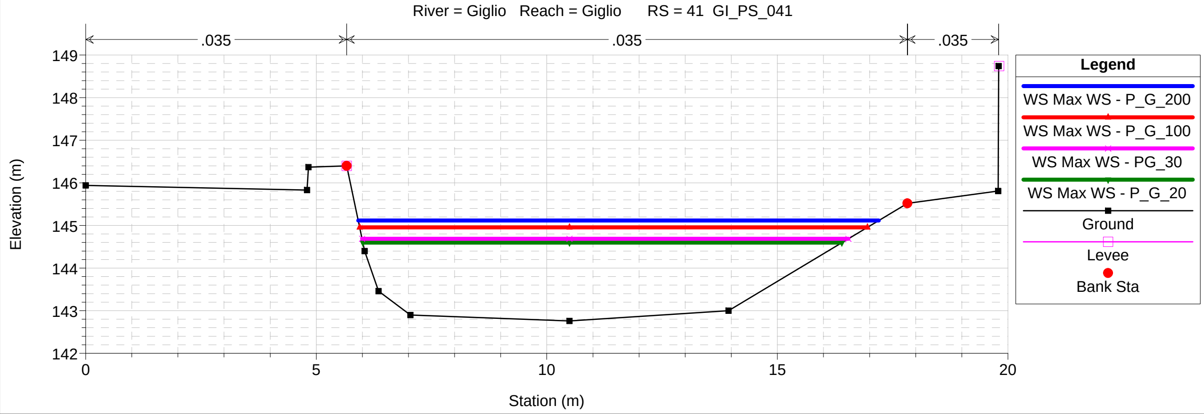
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 43 GI_PS_043

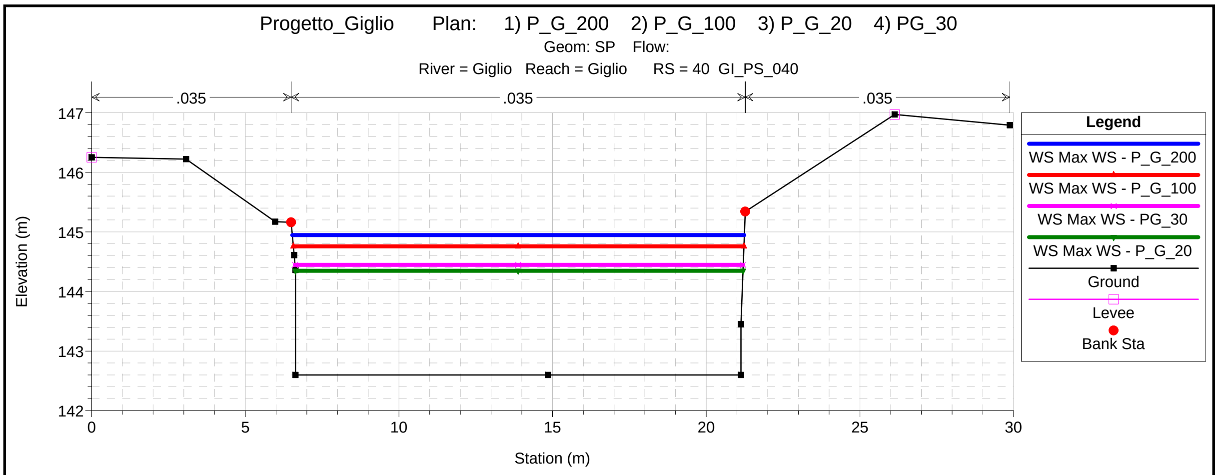


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 42 GI_PS_042

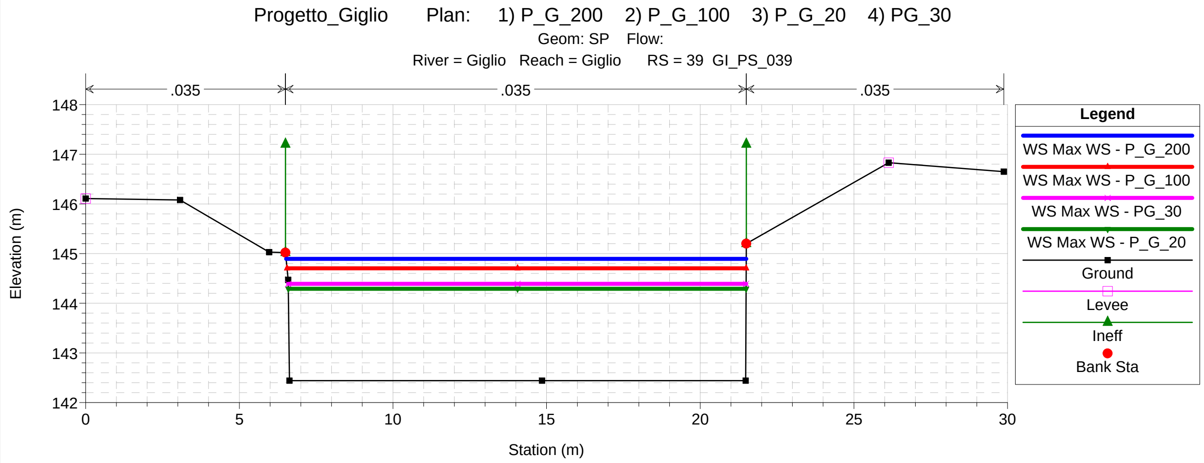


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 41 GI_PS_041

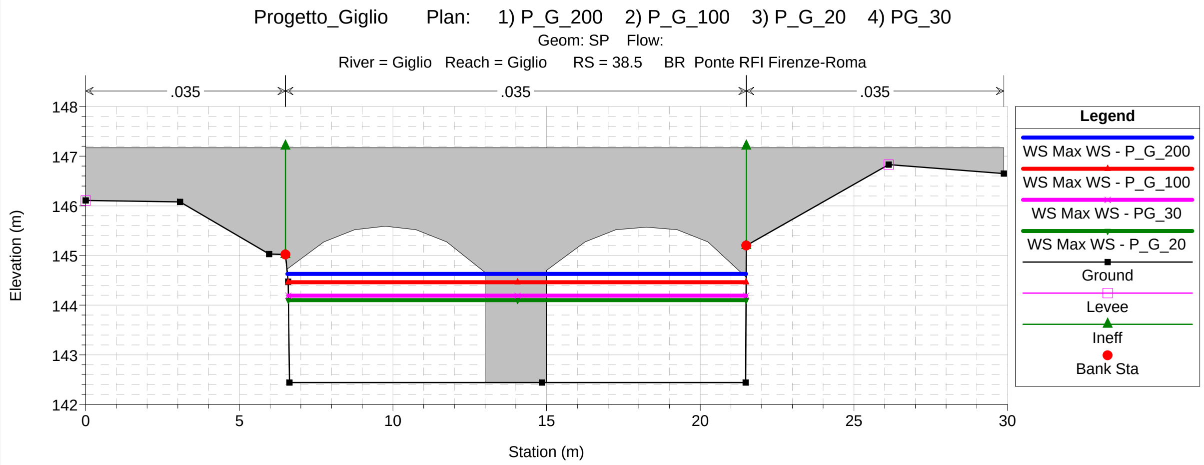




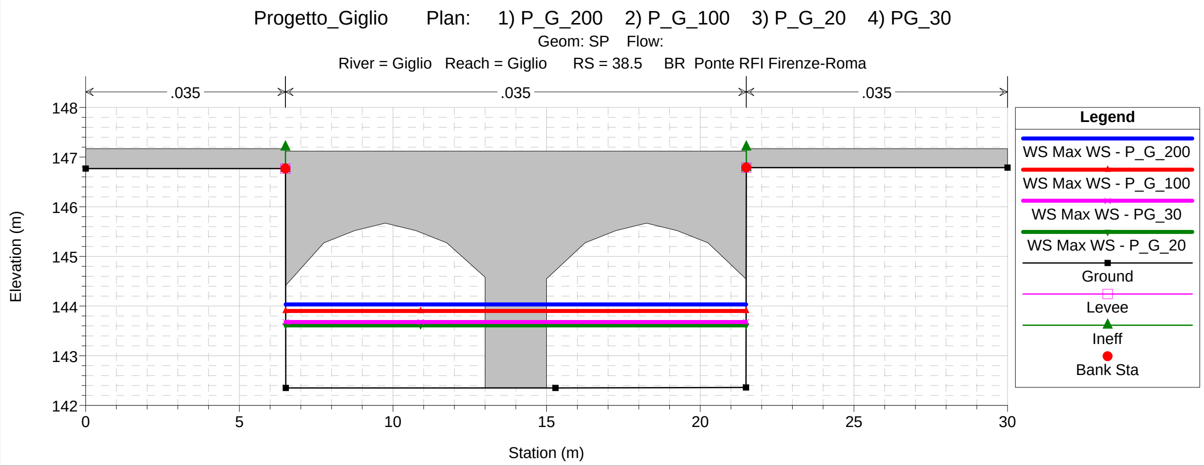
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 40 GI_PS_040
.035 .035 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta



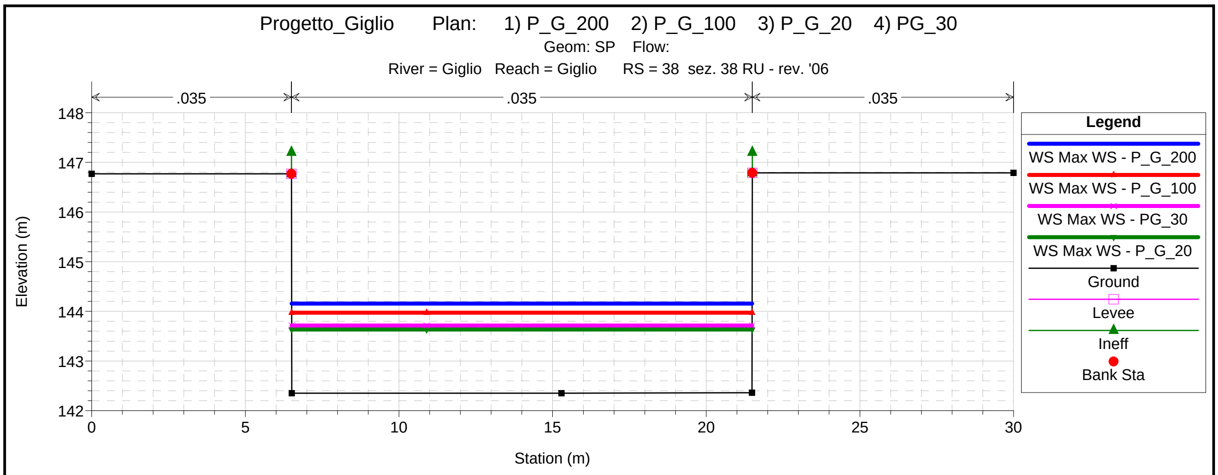
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 39 GI_PS_039
.035 .035 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

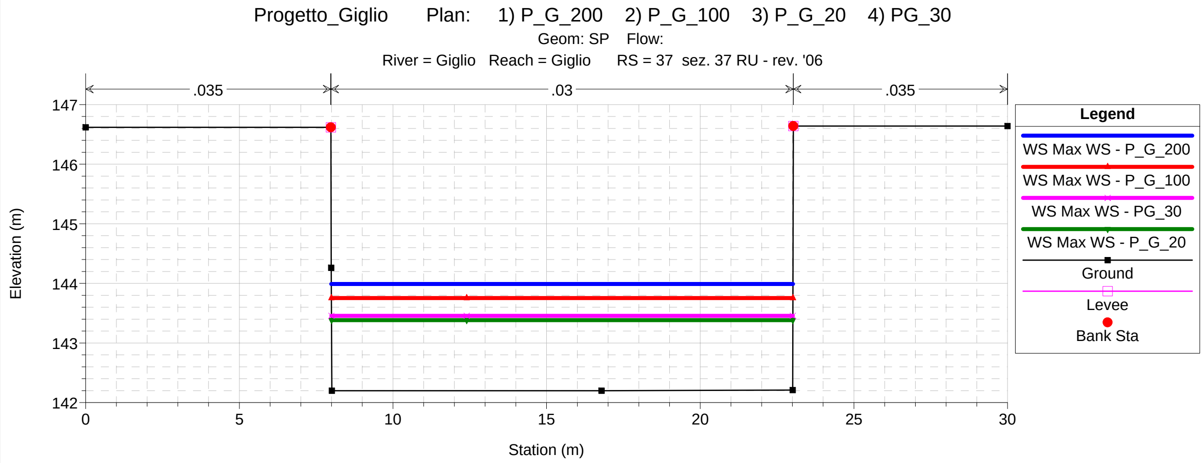


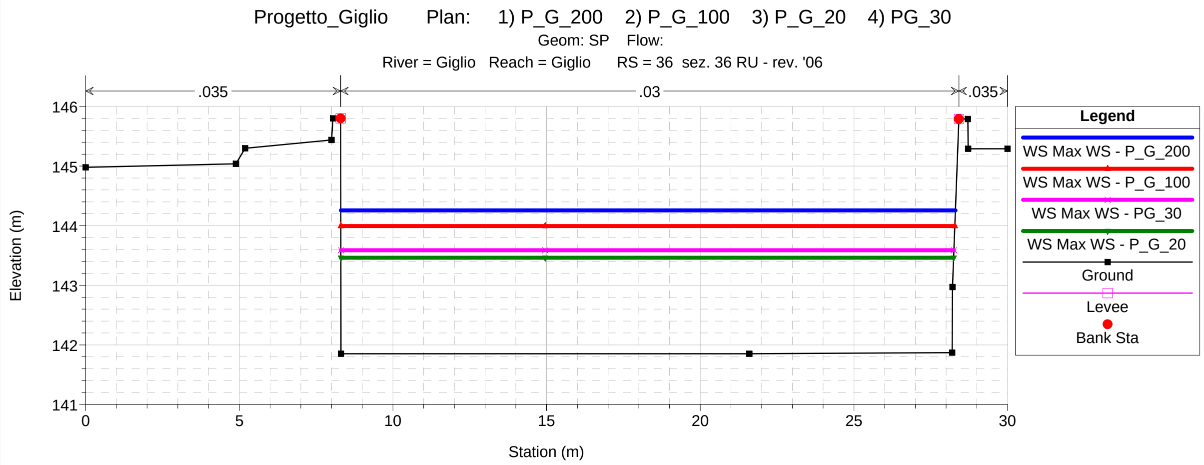
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma
.035 .035 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

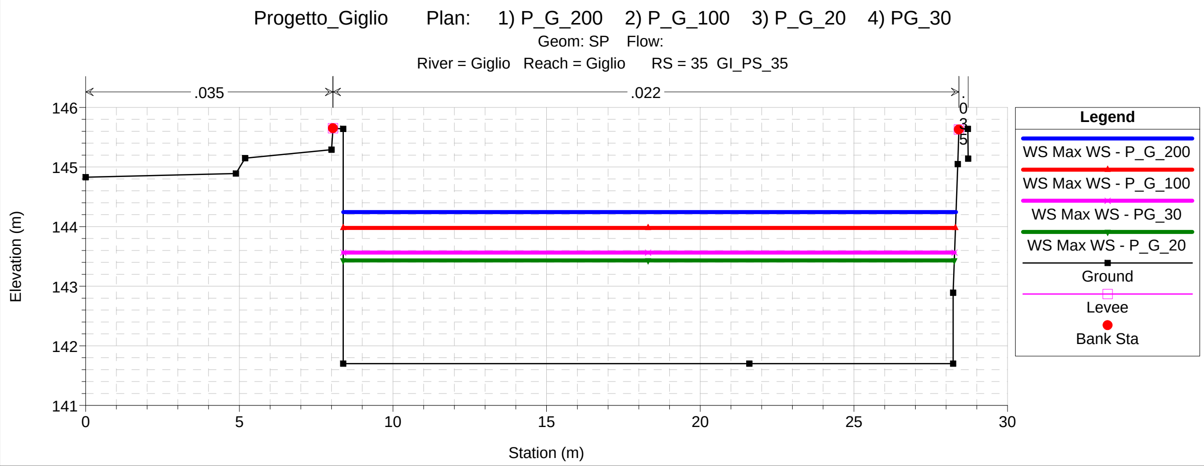


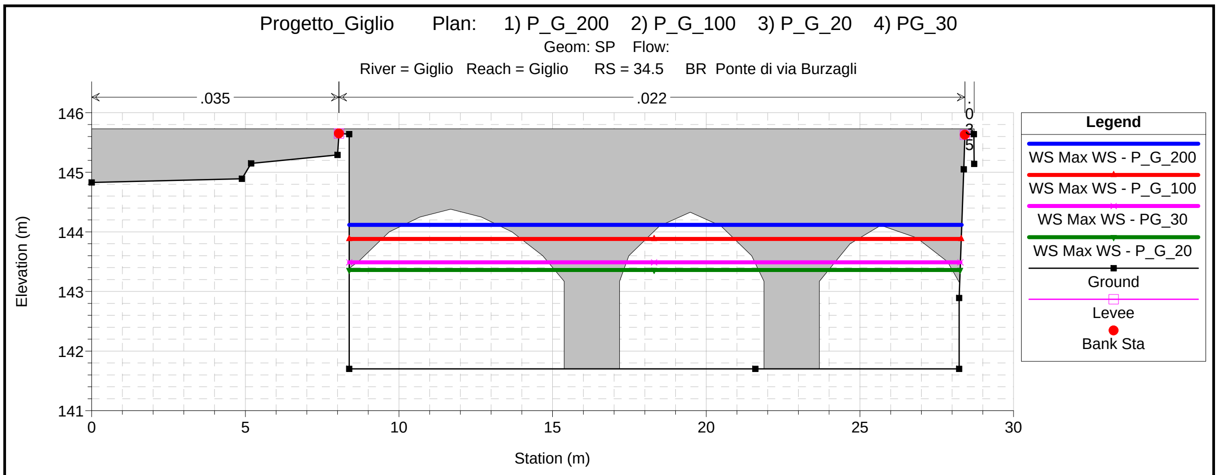
Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma
.035 .035 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta

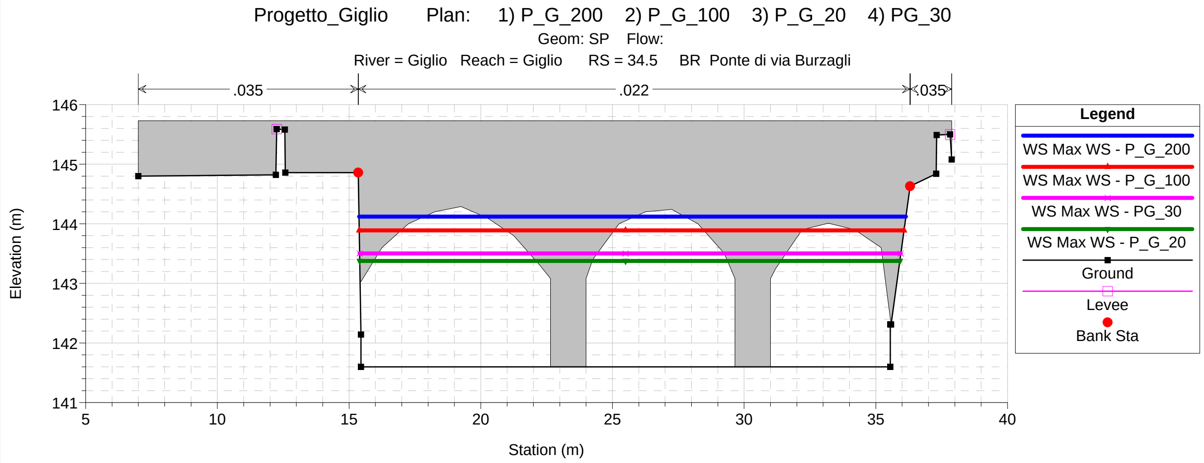

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 38 sez. 38 RU - rev. '06
.035
.035
.035
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Ineff
Bank Sta
Elevation (m)
Station (m)

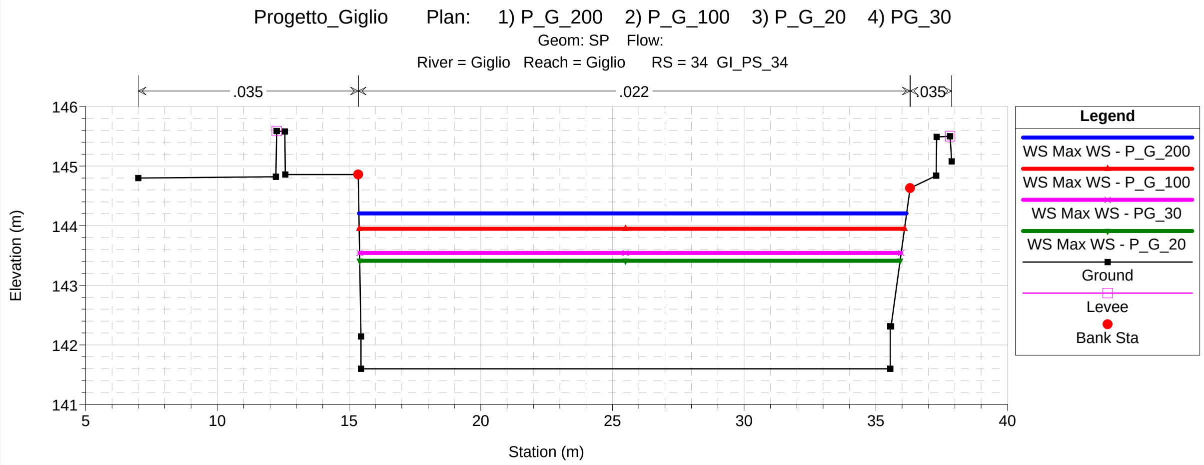

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 37 sez. 37 RU - rev. '06
.035
.03
.035
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

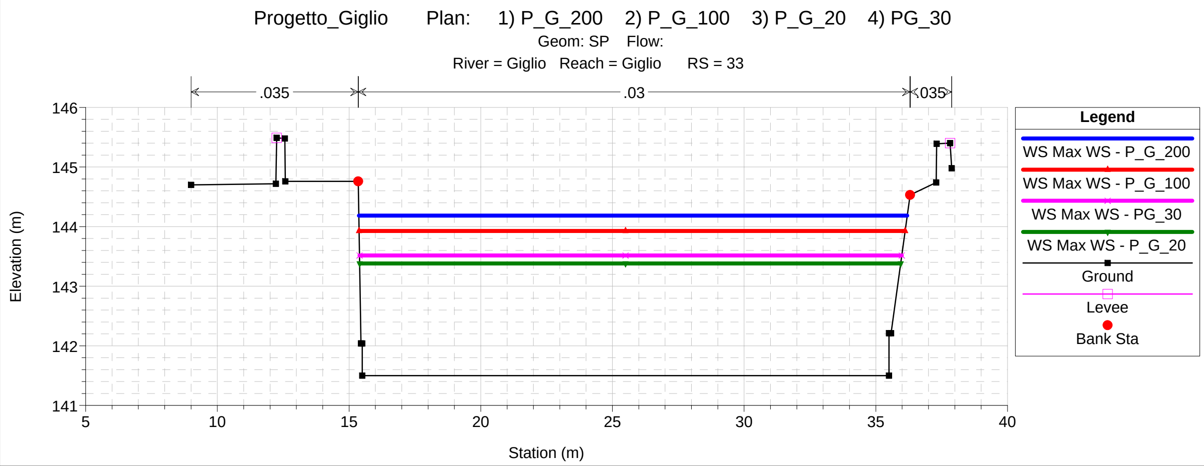

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 36 sez. 36 RU - rev. '06
.035
.03
.035
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

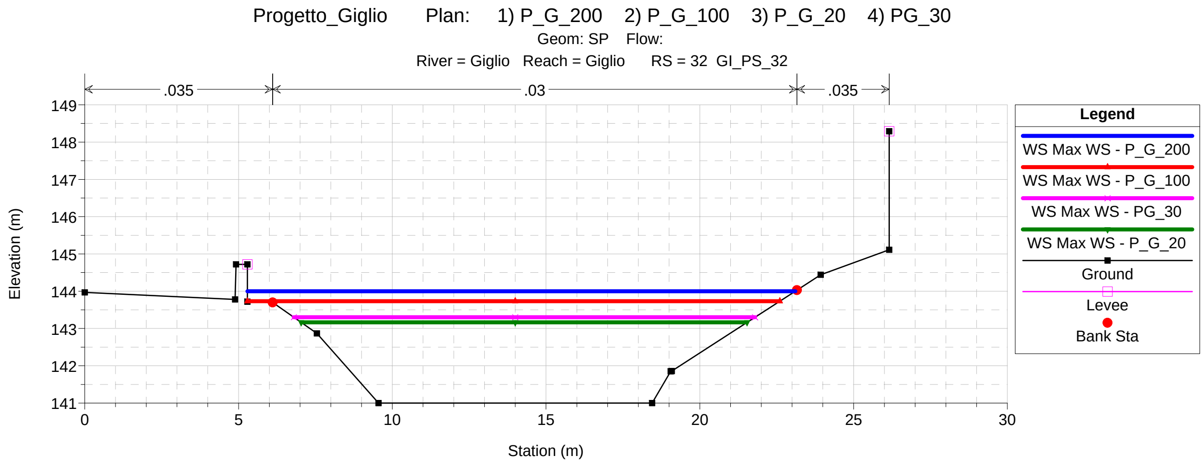

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 35 GI_PS_35
.035
.022
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

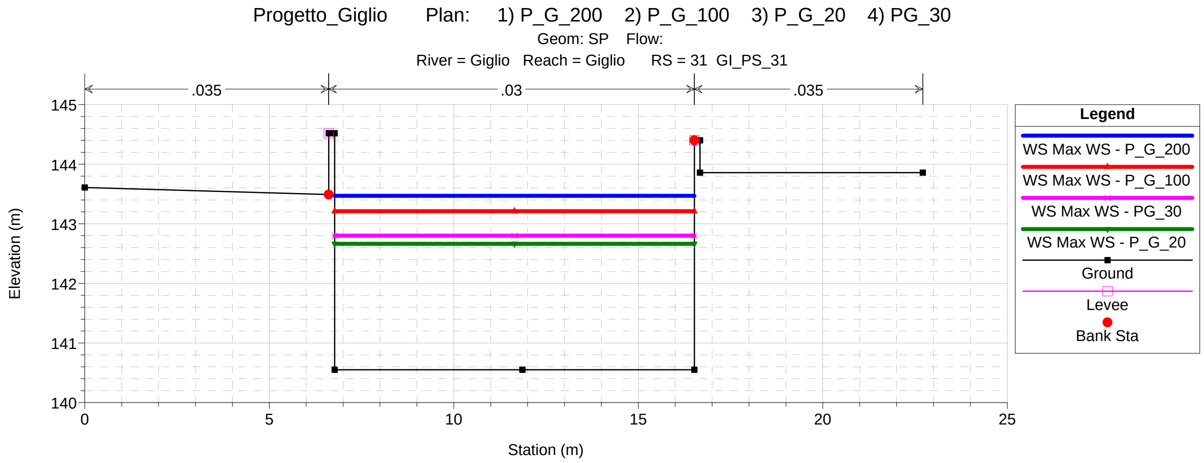

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli
.035
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

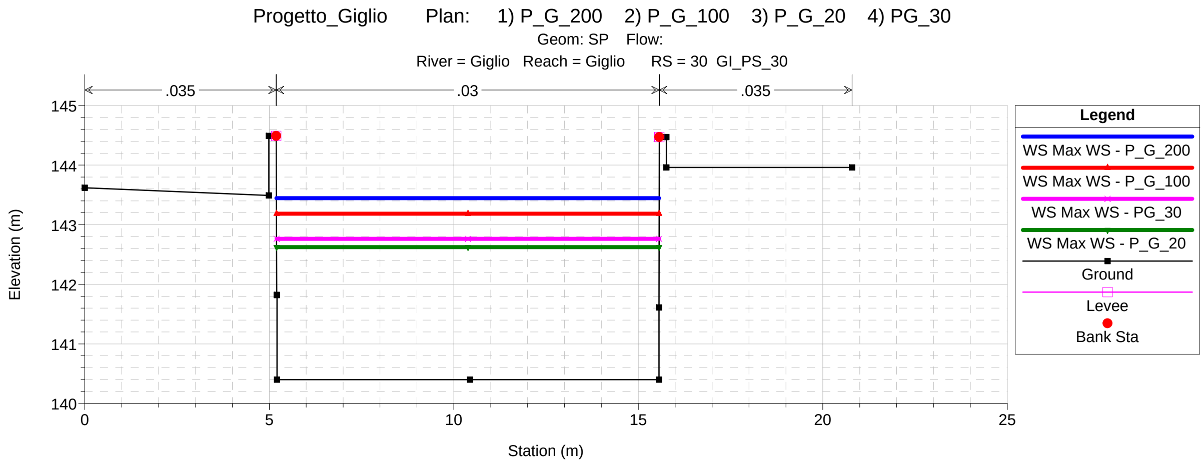

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

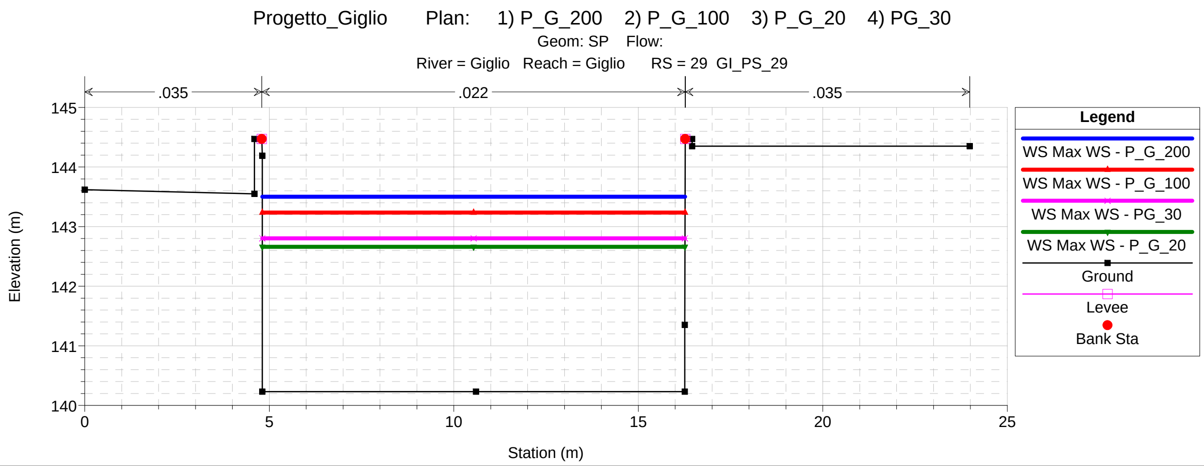

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 34 GI_PS_34
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

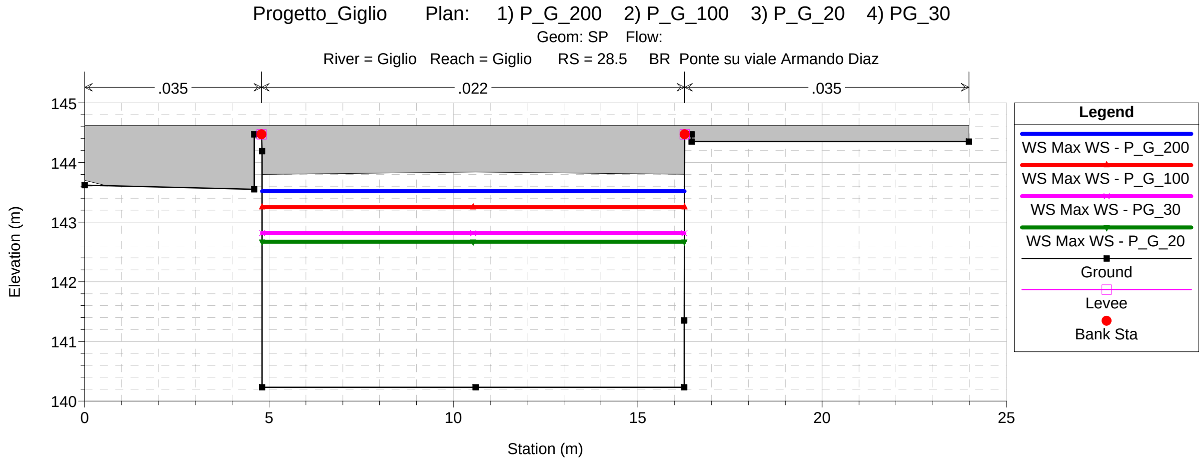

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 33
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

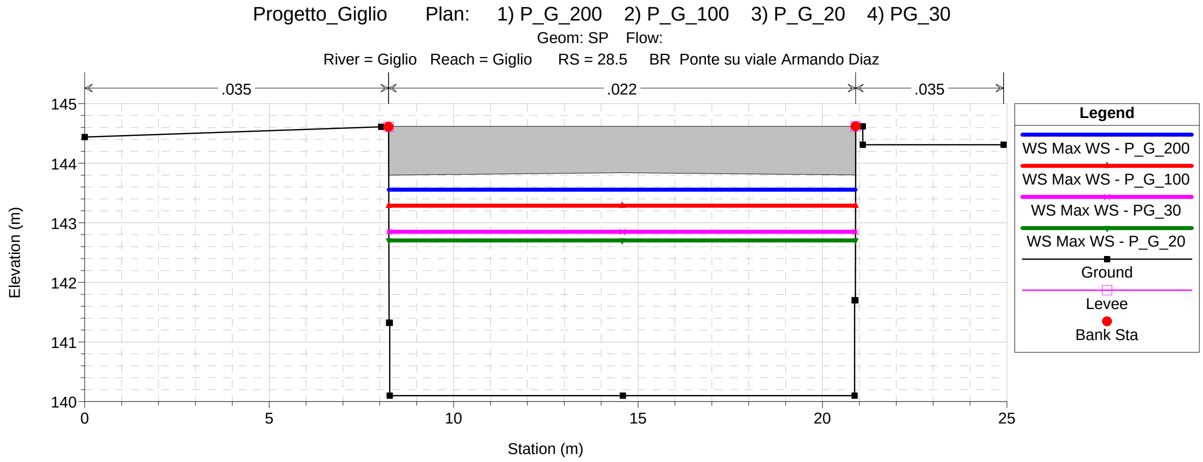

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 32 GI_PS_32
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

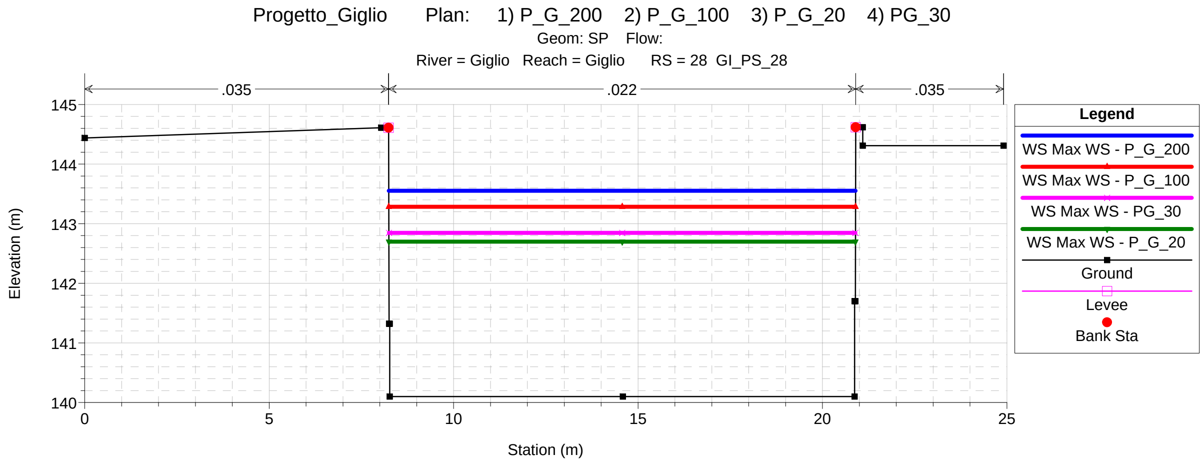

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 31 GI_PS_31
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

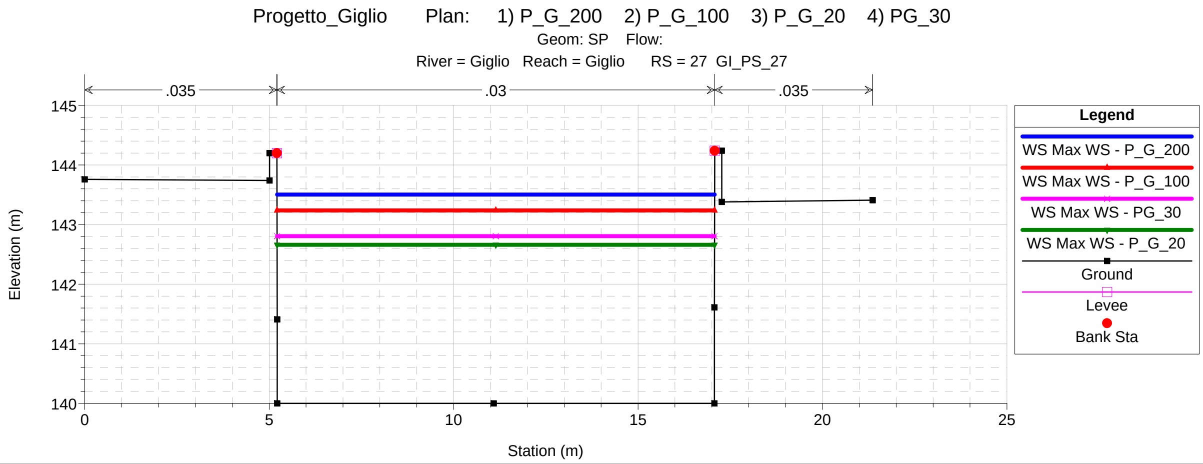

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 30 GI_PS_30
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

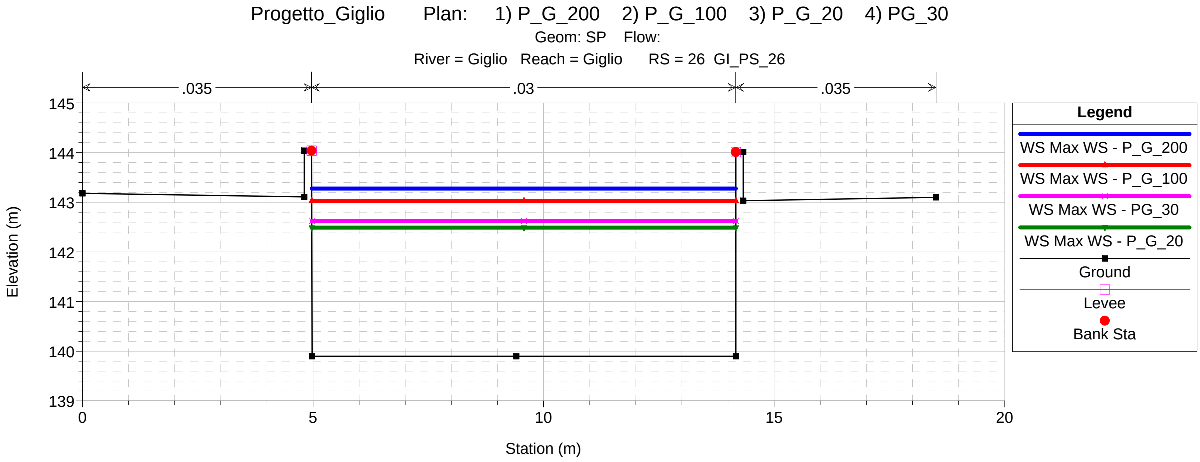

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 29 GI_PS_29
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

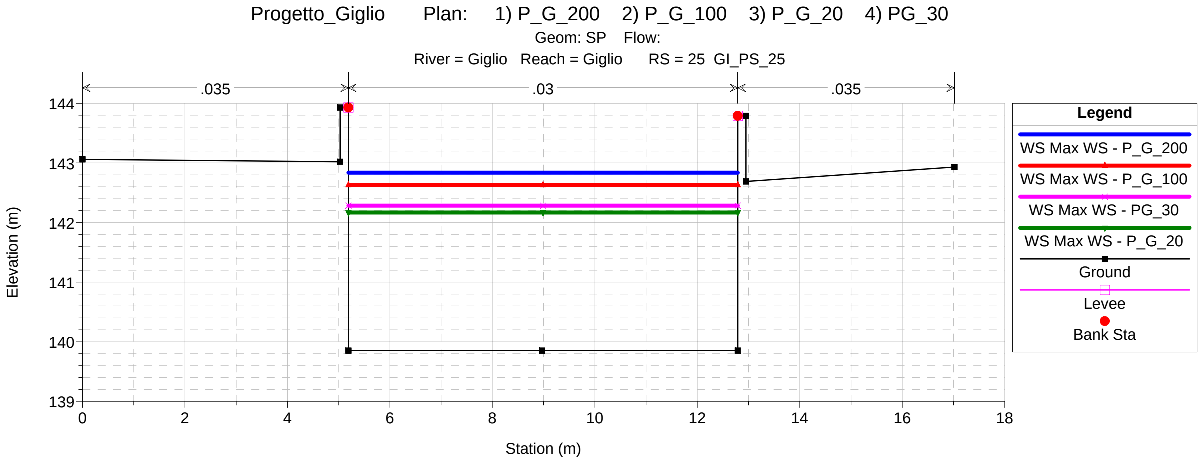

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

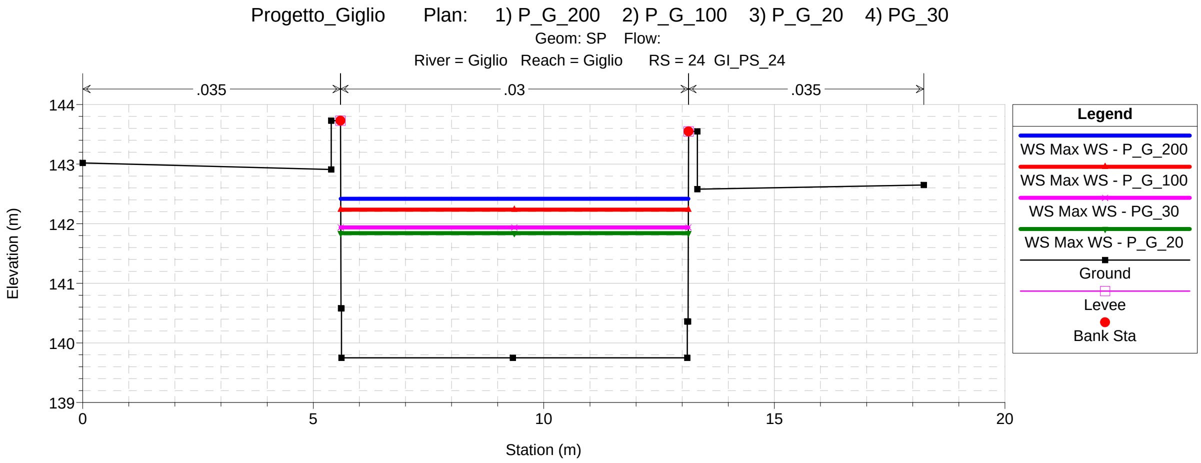

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

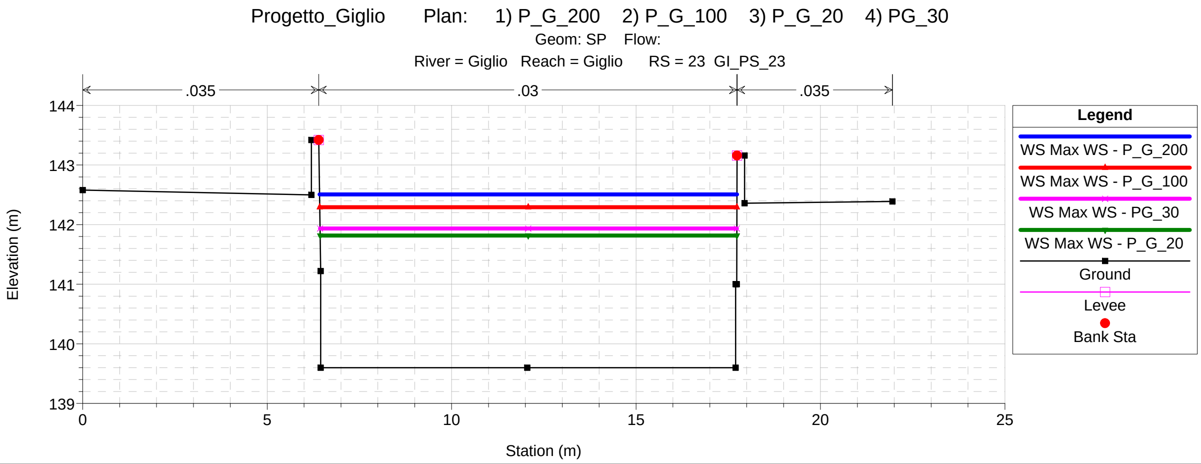

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 28 GI_PS_28
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

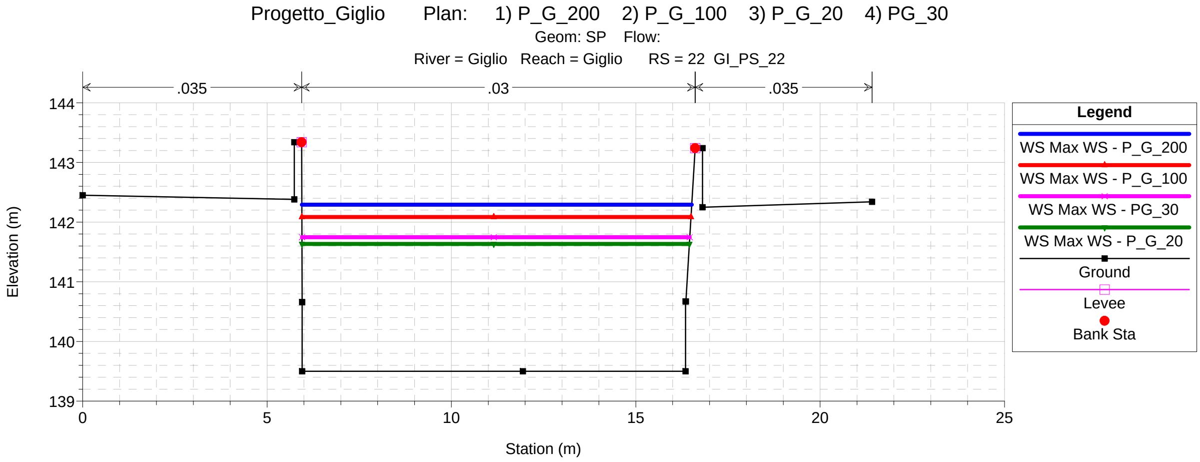

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 27 GI_PS_27
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

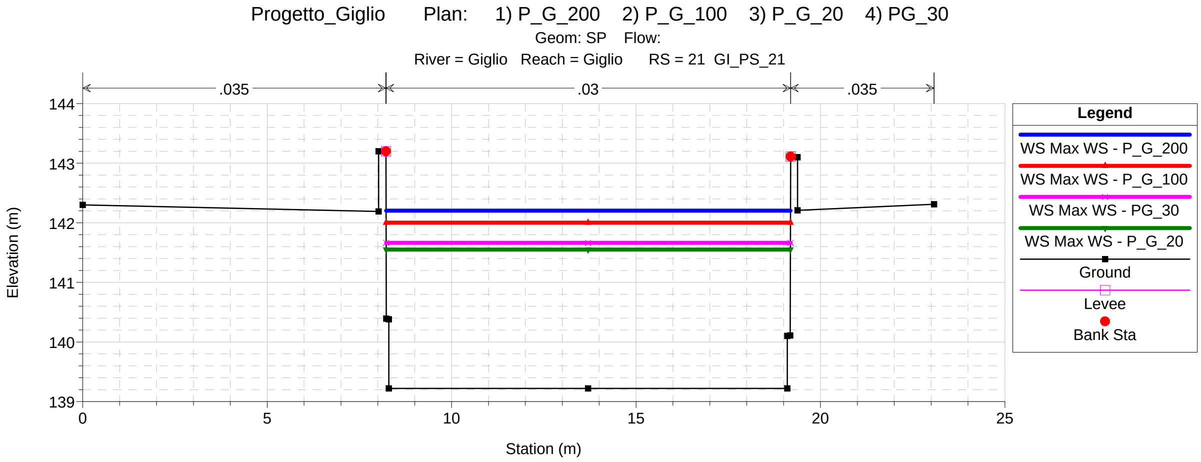

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 26 GI_PS_26
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

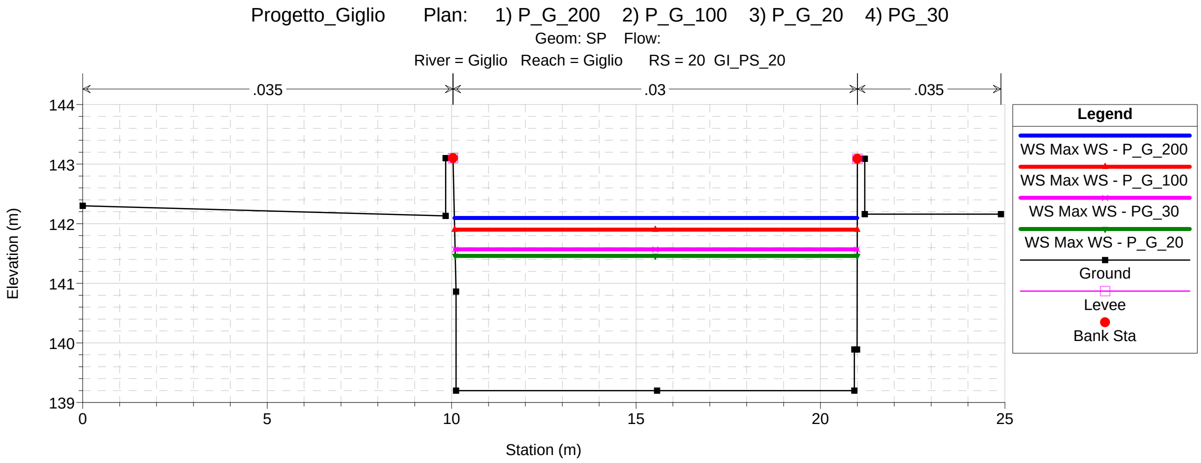

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 25 GI_PS_25
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

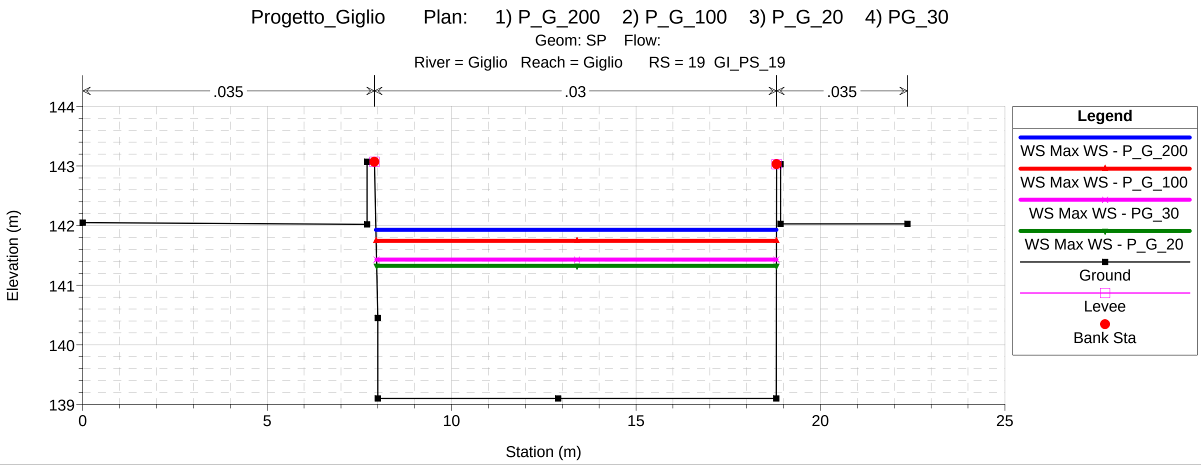

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 24 GI_PS_24
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

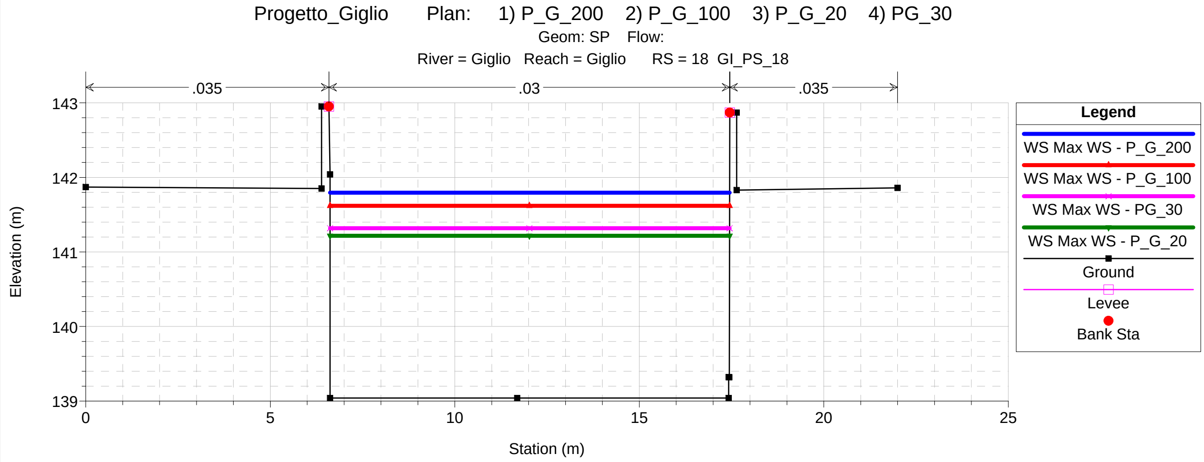

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 23 GI_PS_23
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

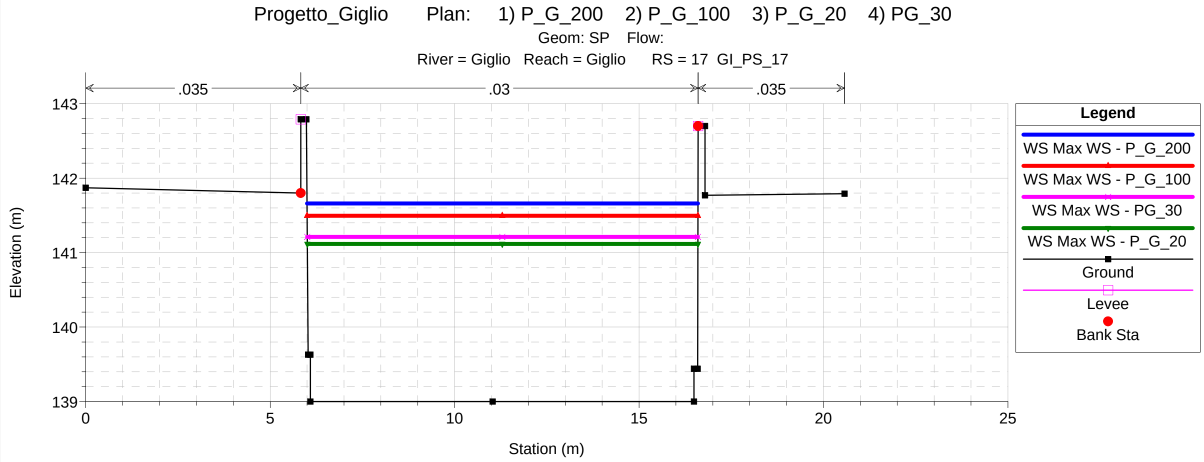

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 22 GI_PS_22
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

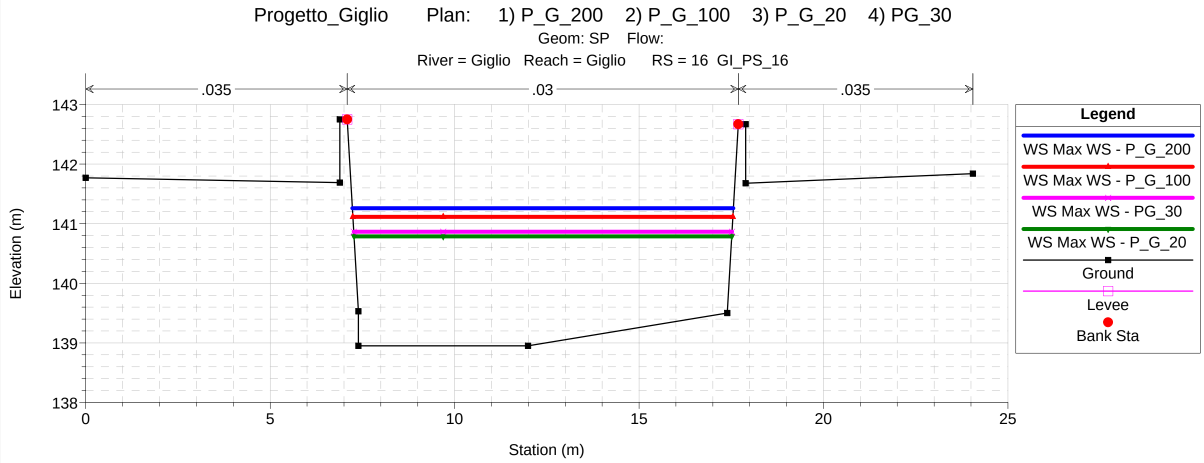

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 21 GI_PS_21
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

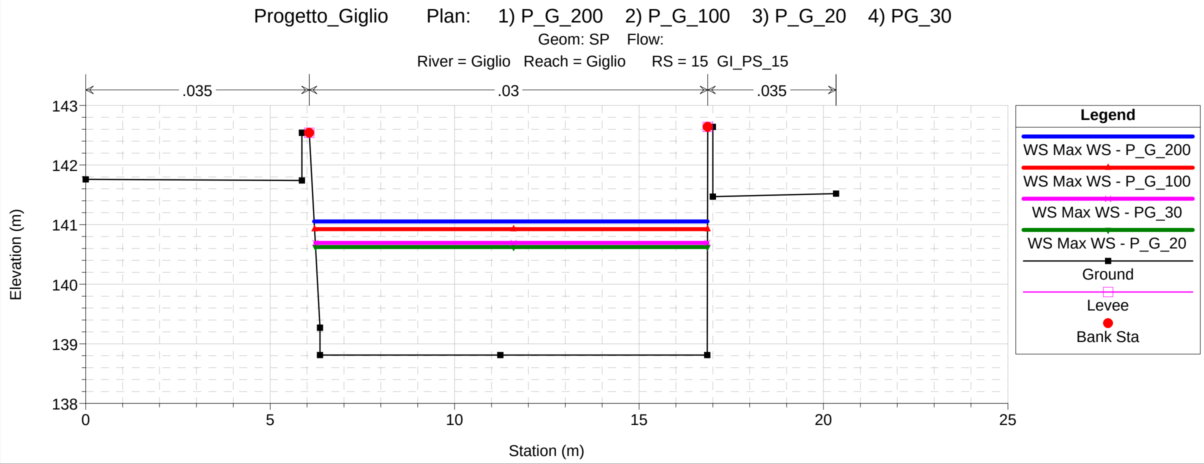

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 20 GI_PS_20
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

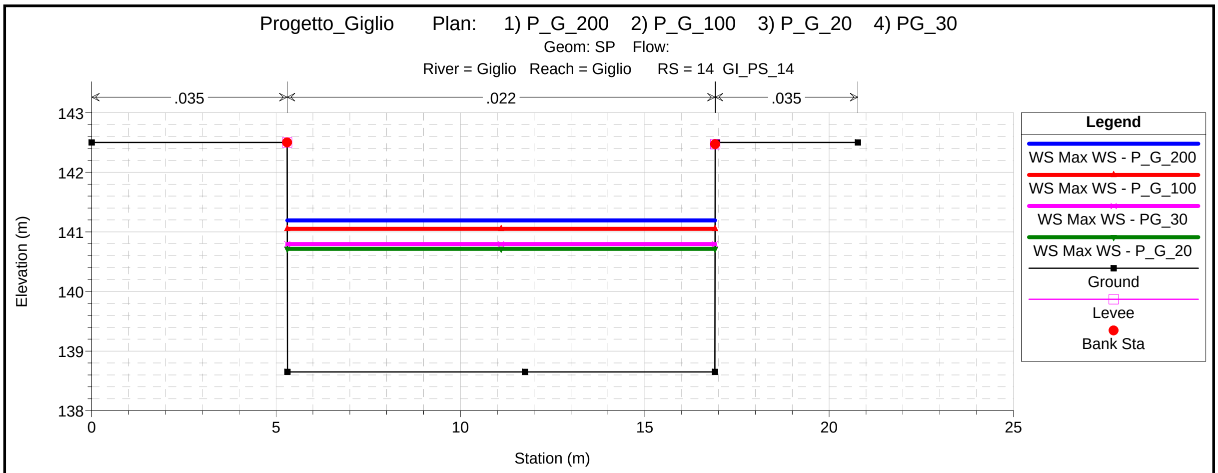

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 19 GI_PS_19
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

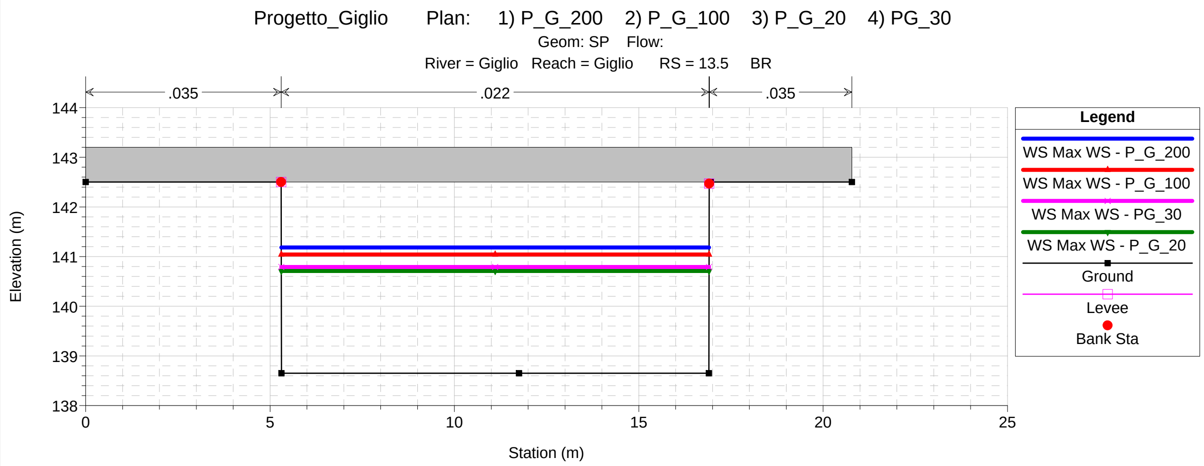

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 18 GI_PS_18
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

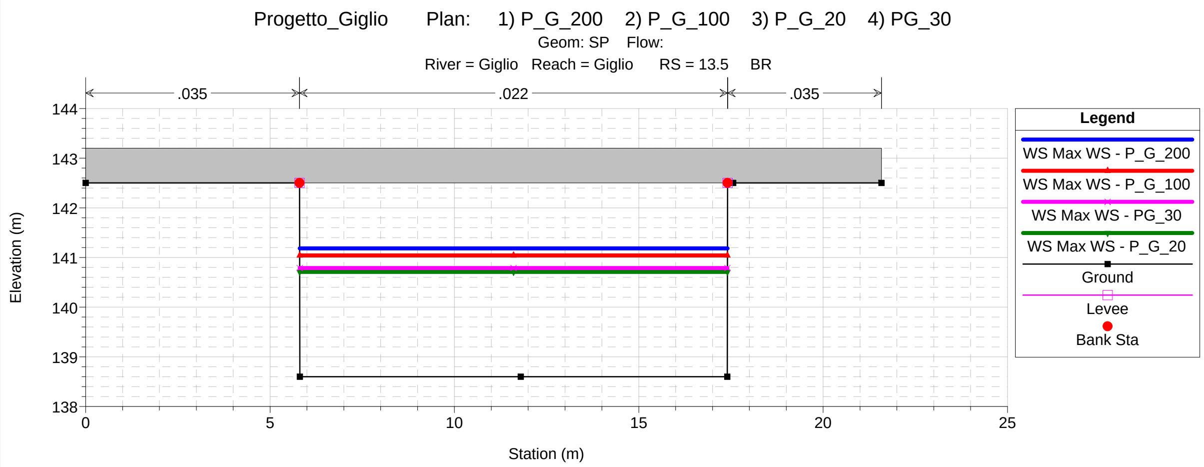

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 17 GI_PS_17
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

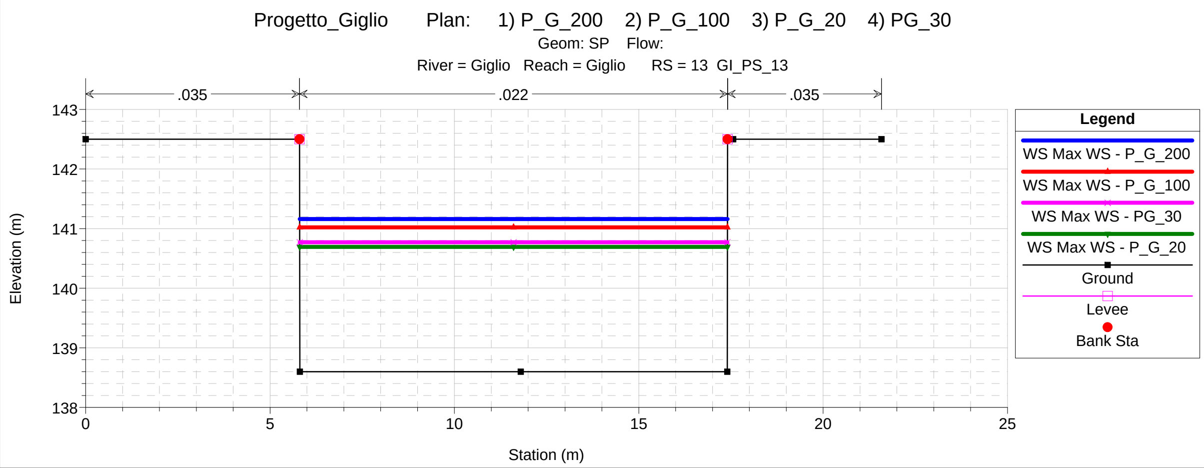

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 16 GI_PS_16
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

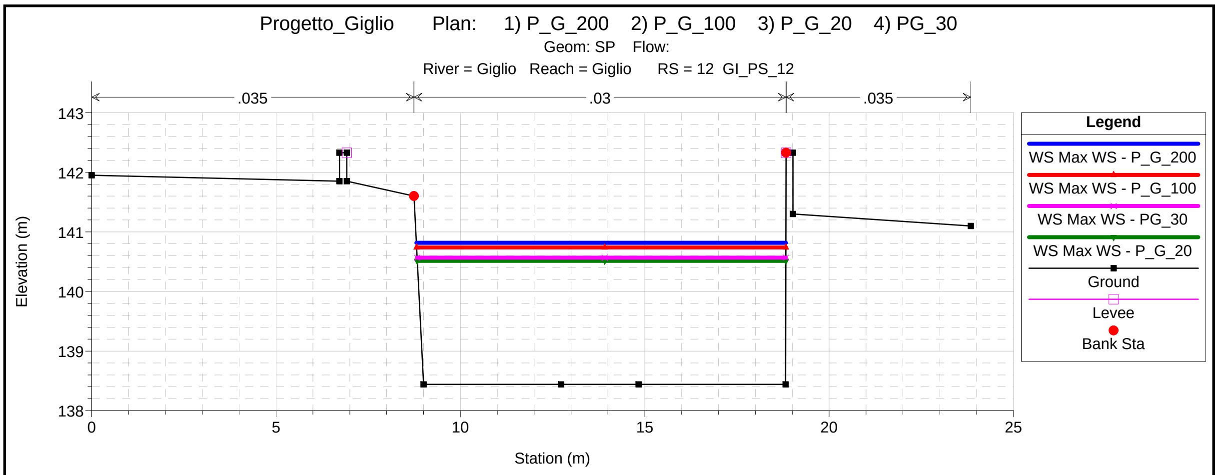

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 15 GI_PS_15
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

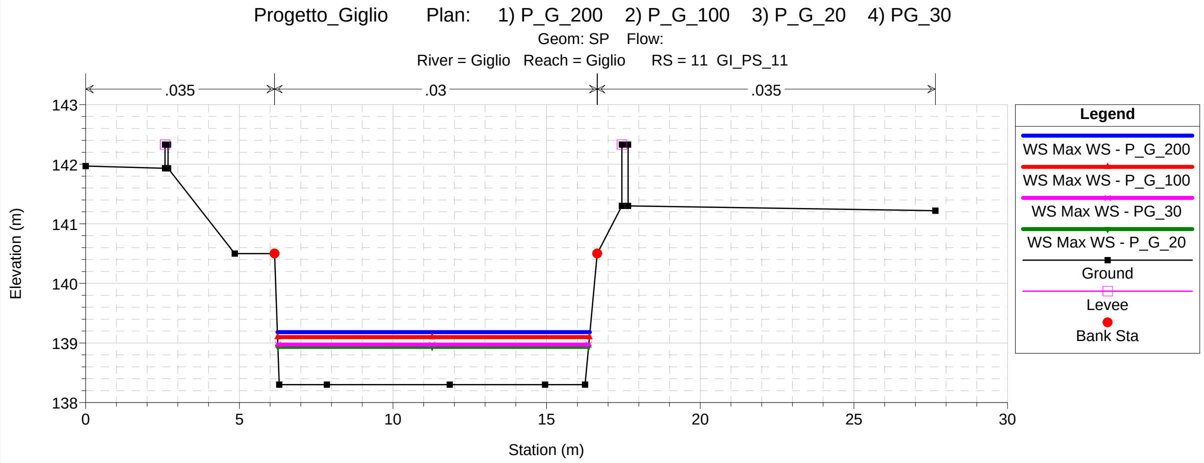

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 14 GI_PS_14
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

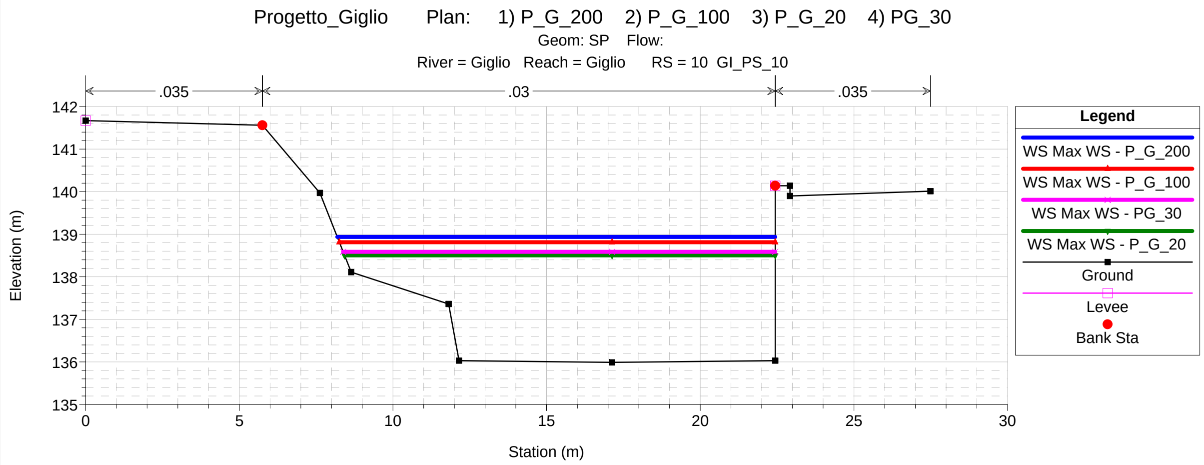

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

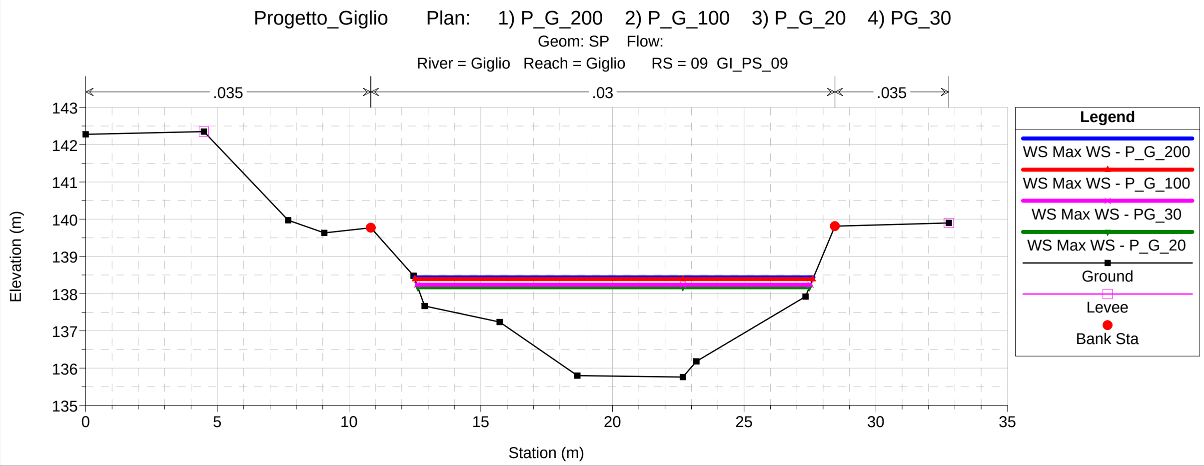

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

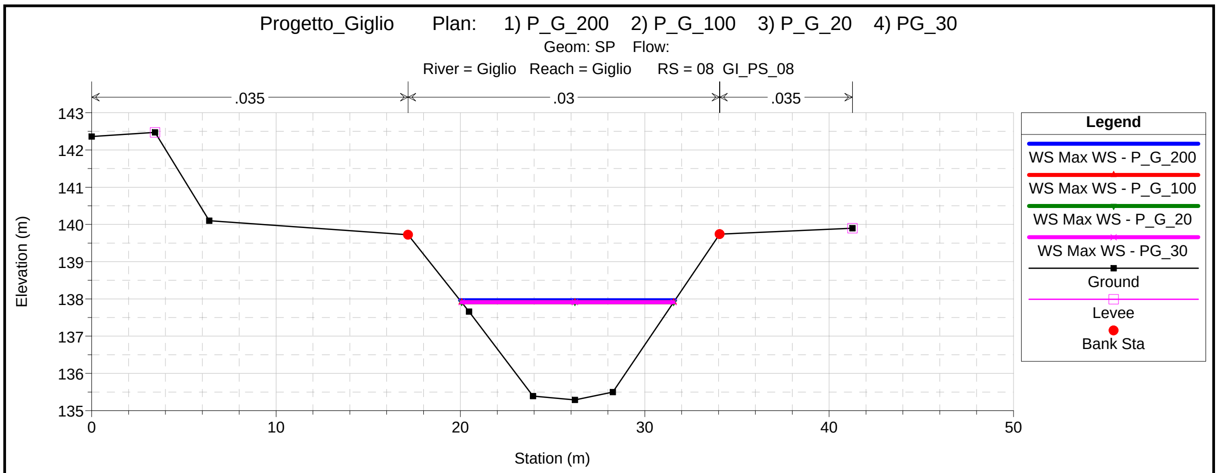

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 13 GI_PS_13
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

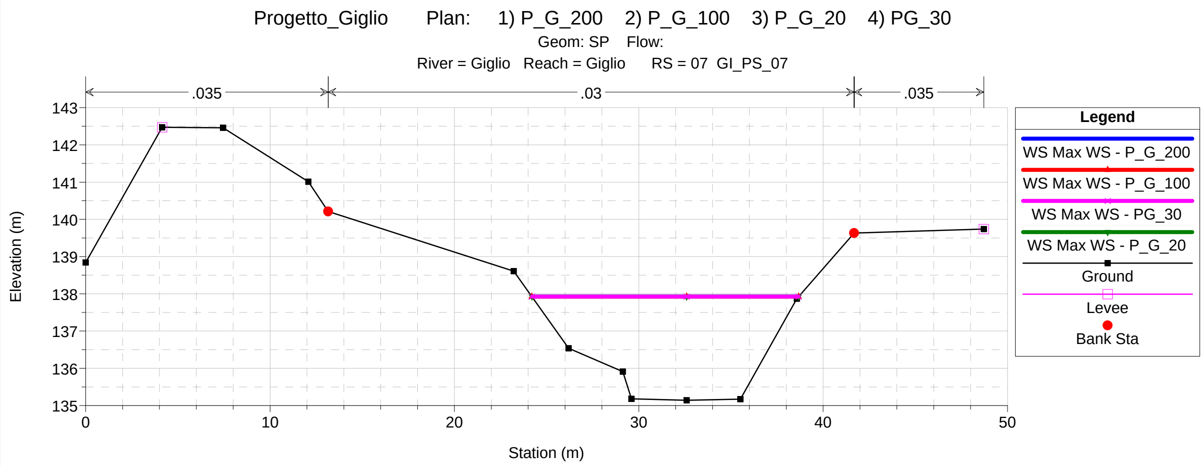

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 12 GI_PS_12
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

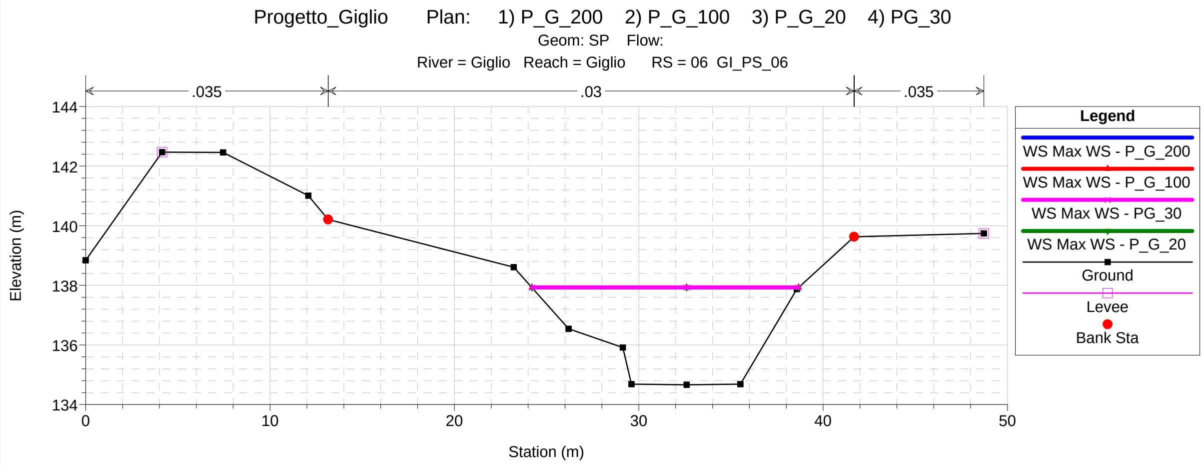

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 11 GI_PS_11
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

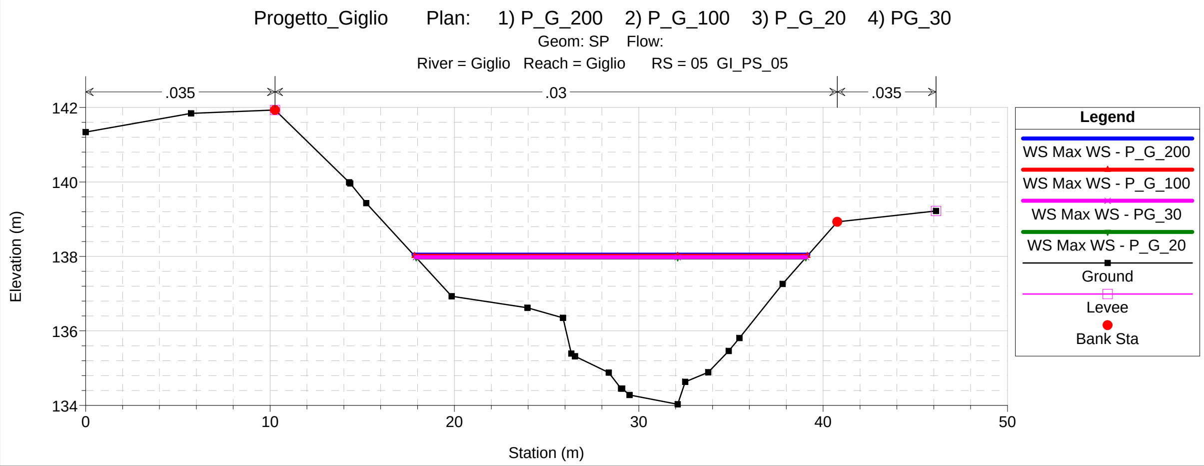

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 10 GI_PS_10
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

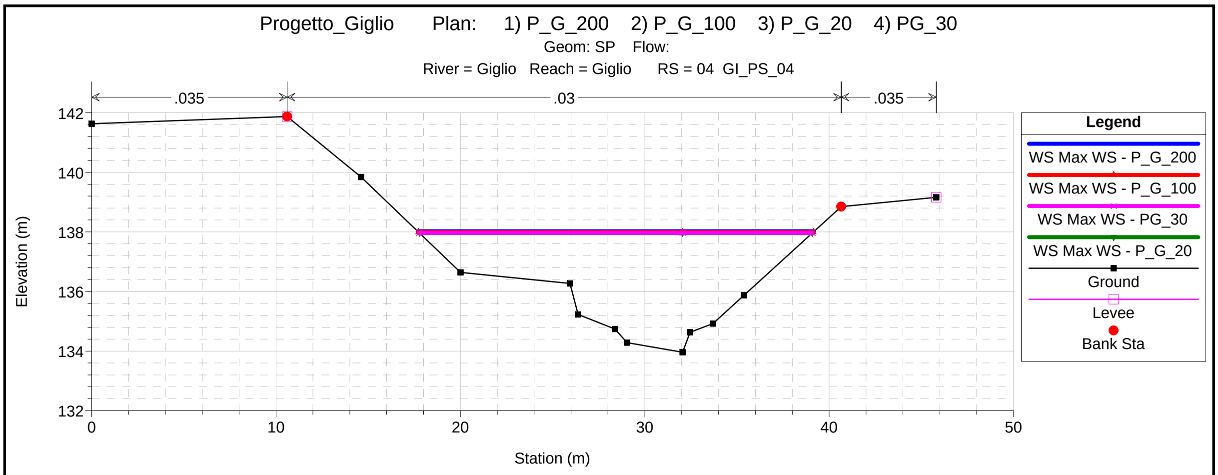

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 09 GI_PS_09
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

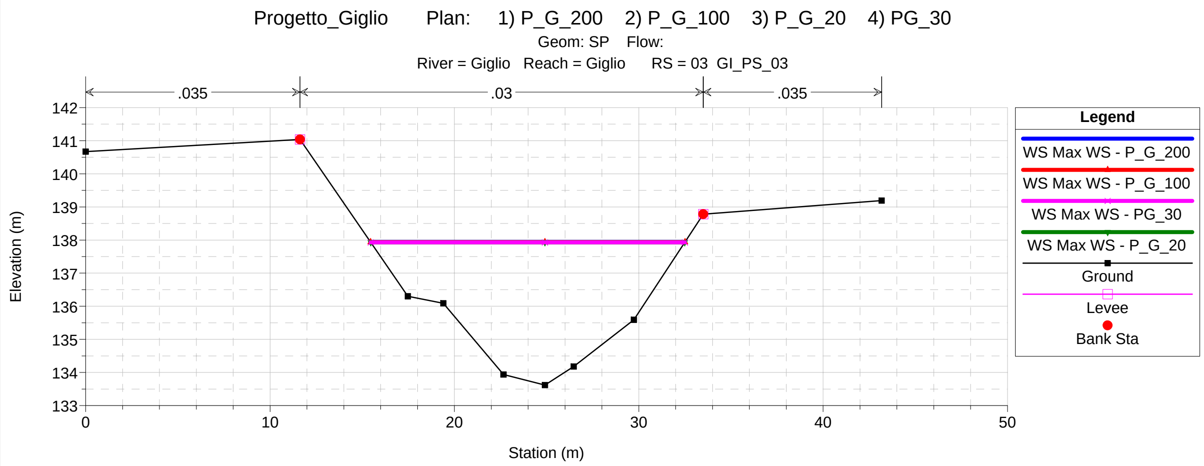

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 08 GI_PS_08
.035
.03
.035
Elevation (m)
143
142
141
140
139
138
137
136
135
0
10
20
30
40
50
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - P_G_20
WS Max WS - PG_30
Ground
Levee
Bank Sta

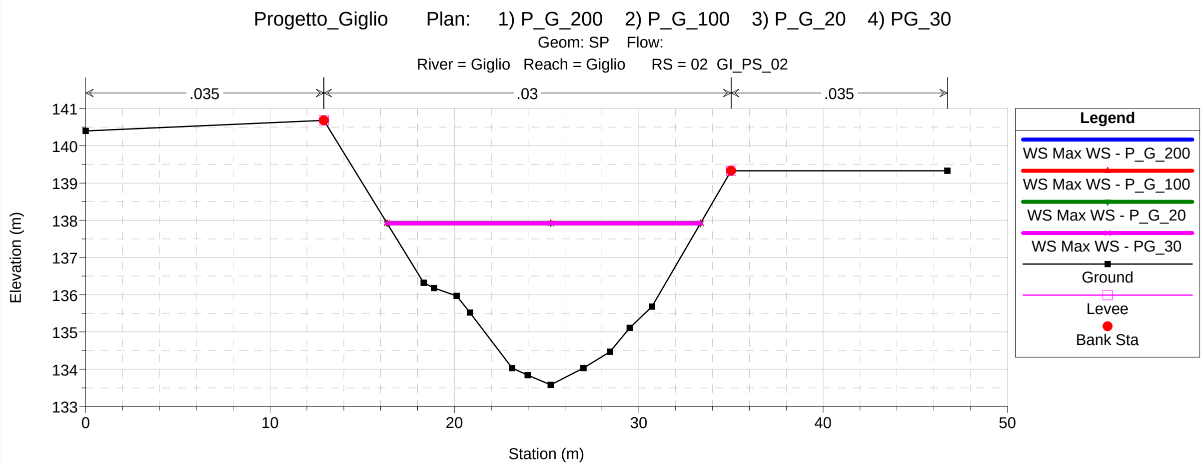

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 07 GI_PS_07
.035
.03
.035
Elevation (m)
143
142
141
140
139
138
137
136
135
0
10
20
30
40
50
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta

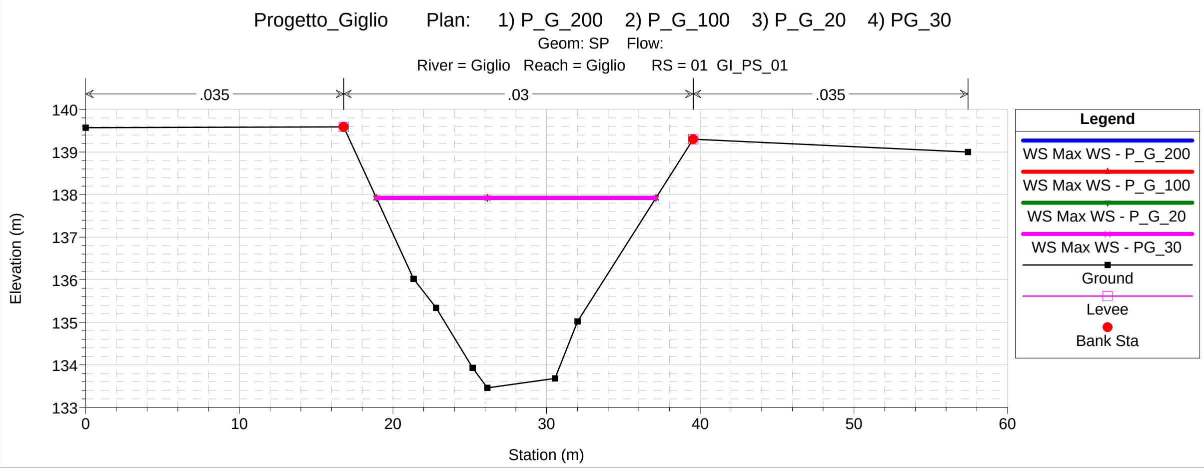

Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 06 GI_PS_06
.035
.03
.035
Elevation (m)
144
142
140
138
136
134
0
10
20
30
40
50
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 05 GI_PS_05
.035
.03
.035
Elevation (m)
142
140
138
136
134
0
10
20
30
40
50
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 04 GI_PS_04
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 03 GI_PS_03
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - PG_30
WS Max WS - P_G_20
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 02 GI_PS_02
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - P_G_20
WS Max WS - PG_30
Ground
Levee
Bank Sta


Progetto_Giglio Plan: 1) P_G_200 2) P_G_100 3) P_G_20 4) PG_30
Geom: SP Flow:
River = Giglio Reach = Giglio RS = 01 GI_PS_01
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_G_200
WS Max WS - P_G_100
WS Max WS - P_G_20
WS Max WS - PG_30
Ground
Levee
Bank Sta

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Cassa_Par_Monte	Max WS	P_G_200	152.72	150.20	14.72	40.00	108.62
Cassa_Par_Monte	Max WS	P_G_100	151.44	150.20	9.04	44.01	56.42
Cassa_Par_Monte	Max WS	P_G_20	150.25	150.20	1.62	47.98	2.43
Cassa_Par_Monte	Max WS	PG_30	150.40	150.20	3.03	47.98	9.49
Cassa_Par_Valle	Max WS	P_G_200	150.62	148.00	2.06	20.00	50.49
Cassa_Par_Valle	Max WS	P_G_100	149.93	148.00	1.88	20.00	36.52
Cassa_Par_Valle	Max WS	P_G_20	148.06	148.00	0.01	10.00	0.55
Cassa_Par_Valle	Max WS	PG_30	148.35	148.00	0.18	20.00	5.04
Giglio_dx	Max WS	P_G_200	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	P_G_100	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	P_G_20	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	PG_30	144.00	144.00	0.00	50.00	0.00
Giglio_dx_valle	Max WS	P_G_200	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	P_G_100	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	P_G_20	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	PG_30	145.00	145.00	0.00	9.00	0.00
Giglio_sx	Max WS	P_G_200	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	P_G_100	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	P_G_20	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	PG_30	144.00	144.00	0.00	24.01	0.00

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Giglio	65	Max WS	P_G_200	106.78	152.37	156.49		156.82	0.001988	2.89	45.57	16.30	0.47
Giglio	65	Max WS	P_G_100	89.49	152.37	156.16		156.46	0.002012	2.74	40.19	16.30	0.47
Giglio	65	Max WS	P_G_20	57.73	152.37	155.54		155.76	0.001927	2.35	30.07	16.30	0.44
Giglio	65	Max WS	PG_30	64.87	152.37	155.64		155.90	0.002083	2.50	31.75	16.30	0.46
Giglio	64	Max WS	P_G_200	106.77	152.17	156.20		156.55	0.002197	2.99	44.03	16.30	0.49
Giglio	64	Max WS	P_G_100	89.50	152.17	155.89		156.20	0.002187	2.81	39.05	16.30	0.48
Giglio	64	Max WS	P_G_20	56.24	152.17	155.33		155.55	0.001843	2.30	29.99	16.30	0.43
Giglio	64	Max WS	PG_30	61.40	152.17	155.41		155.65	0.001958	2.41	31.22	16.30	0.45
Giglio	63.5	Max WS	P_G_200	106.76	151.50	154.28	154.60	155.53	0.012532	5.44	23.74	15.73	1.10
Giglio	63.5	Max WS	P_G_100	89.49	151.50	154.12	154.37	155.21	0.011585	5.01	21.32	15.00	1.05
Giglio	63.5	Max WS	P_G_20	57.53	151.50	153.79		154.47	0.008713	3.92	16.90	12.22	0.88
Giglio	63.5	Max WS	PG_30	65.20	151.50	153.86	153.91	154.65	0.009708	4.23	17.79	12.47	0.94
Giglio	63.3			Lat Struct									
Giglio	63	Max WS	P_G_200	87.83	151.50	153.88	153.44	154.20	0.003480	2.69	37.42	26.01	0.60
Giglio	63	Max WS	P_G_100	77.58	151.50	153.74	153.32	154.05	0.003525	2.59	34.04	25.15	0.60
Giglio	63	Max WS	P_G_20	57.19	151.50	153.46	153.07	153.72	0.003568	2.34	27.15	23.11	0.59
Giglio	63	Max WS	PG_30	62.84	151.50	153.53	153.14	153.81	0.003705	2.45	28.69	23.76	0.60
Giglio	62.5			Inl Struct									
Giglio	62	Max WS	P_G_200	87.84	150.52	152.52		153.09	0.007674	3.48	28.20	23.72	0.86
Giglio	62	Max WS	P_G_100	77.58	150.52	152.41		152.94	0.007868	3.36	25.52	22.56	0.86
Giglio	62	Max WS	P_G_20	57.19	150.52	152.11	152.09	152.60	0.009381	3.18	19.27	19.72	0.91
Giglio	62	Max WS	PG_30	62.84	150.52	152.21		152.70	0.008572	3.20	21.26	20.60	0.88
Giglio	61	Max WS	P_G_200	87.83	149.22	152.02		152.13	0.000876	1.52	64.22	38.50	0.31
Giglio	61	Max WS	P_G_100	77.57	149.22	151.87		151.98	0.000867	1.45	58.65	38.50	0.30
Giglio	61	Max WS	P_G_20	57.47	149.22	151.23		151.35	0.001544	1.57	37.51	27.48	0.38
Giglio	61	Max WS	PG_30	62.13	149.22	151.62		151.70	0.000867	1.35	49.00	33.10	0.30
Giglio	60.9			Culvert									
Giglio	60.8	Max WS	P_G_200	87.83	149.22	150.81		151.33	0.009010	3.19	27.56	20.93	0.89

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	60.8	Max WS	P_G_100	77.57	149.22	150.69		151.18	0.009300	3.09	25.06	20.40	0.89
Giglio	60.8	Max WS	P_G_20	57.44	149.22	150.46		150.86	0.009493	2.82	20.34	19.37	0.88
Giglio	60.8	Max WS	PG_30	62.13	149.22	150.51		150.94	0.009417	2.89	21.50	19.62	0.88
Giglio	60	Max WS	P_G_200	87.79	148.02	150.37		150.67	0.003983	2.44	36.84	25.95	0.61
Giglio	60	Max WS	P_G_100	77.55	148.02	150.21		150.50	0.004406	2.41	32.75	24.93	0.63
Giglio	60	Max WS	P_G_20	57.19	148.02	149.93		150.18	0.004700	2.21	26.07	22.81	0.64
Giglio	60	Max WS	PG_30	62.04	148.02	150.00		150.26	0.004695	2.27	27.60	23.46	0.64
Giglio	59	Max WS	P_G_200	87.78	146.71	150.05		150.26	0.002359	2.15	47.78	38.30	0.46
Giglio	59	Max WS	P_G_100	77.54	146.71	149.76		150.02	0.003169	2.32	37.56	32.45	0.52
Giglio	59	Max WS	P_G_20	57.13	146.71	149.14		149.50	0.005899	2.63	21.71	14.34	0.68
Giglio	59	Max WS	PG_30	62.00	146.71	149.29		149.63	0.005207	2.59	24.62	22.43	0.65
Giglio	58	Max WS	P_G_200	87.77	146.31	149.72		150.13	0.003962	2.84	30.95	12.84	0.58
Giglio	58	Max WS	P_G_100	77.54	146.31	149.47		149.87	0.004216	2.80	27.74	12.51	0.60
Giglio	58	Max WS	P_G_20	57.12	146.31	148.93		149.30	0.004894	2.69	21.23	11.72	0.64
Giglio	58	Max WS	PG_30	61.99	146.31	149.07		149.44	0.004718	2.72	22.80	11.97	0.63
Giglio	57	Max WS	P_G_200	87.77	145.95	149.40		149.81	0.004005	2.81	31.25	10.50	0.52
Giglio	57	Max WS	P_G_100	77.54	145.95	149.15		149.52	0.004033	2.71	28.57	10.46	0.52
Giglio	57	Max WS	P_G_20	57.12	145.95	148.62		148.93	0.004079	2.48	23.04	10.35	0.53
Giglio	57	Max WS	PG_30	61.98	145.95	148.75		149.07	0.004075	2.54	24.37	10.38	0.53
Giglio	56.7			Lat Struct									
Giglio	56	Max WS	P_G_200	87.77	145.80	149.08		149.69	0.006518	3.47	25.31	8.16	0.63
Giglio	56	Max WS	P_G_100	77.54	145.80	148.86		149.41	0.006246	3.30	23.49	8.12	0.62
Giglio	56	Max WS	P_G_20	57.12	145.80	148.39		148.82	0.005477	2.89	19.76	8.04	0.59
Giglio	56	Max WS	PG_30	61.98	145.80	148.51		148.96	0.005699	3.00	20.65	8.06	0.60
Giglio	55	Max WS	P_G_200	87.77	145.70	148.86	148.05	149.49	0.006984	3.51	24.99	8.14	0.64
Giglio	55	Max WS	P_G_100	77.54	145.70	148.65	147.87	149.21	0.006677	3.34	23.22	8.11	0.63
Giglio	55	Max WS	P_G_20	57.12	145.70	148.20	147.47	148.63	0.005782	2.91	19.64	8.04	0.59
Giglio	55	Max WS	PG_30	61.97	145.70	148.31	147.57	148.77	0.006045	3.03	20.49	8.06	0.61
Giglio	54.5			Bridge									

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	54	Max WS	P_G_200	87.77	145.65	148.42		149.25	0.010165	4.02	21.82	8.08	0.78
Giglio	54	Max WS	P_G_100	77.54	145.65	148.28		149.00	0.009207	3.75	20.69	8.05	0.75
Giglio	54	Max WS	P_G_20	57.11	145.65	147.97		148.47	0.007218	3.15	18.16	8.00	0.67
Giglio	54	Max WS	PG_30	61.98	145.65	148.05		148.60	0.007696	3.30	18.81	8.02	0.69
Giglio	53	Max WS	P_G_200	87.77	145.60	148.60		149.09	0.004778	3.08	28.50	10.22	0.59
Giglio	53	Max WS	P_G_100	77.54	145.60	148.44		148.86	0.004434	2.89	26.80	10.15	0.57
Giglio	53	Max WS	P_G_20	57.11	145.60	148.06		148.37	0.003712	2.48	23.01	9.98	0.52
Giglio	53	Max WS	PG_30	61.98	145.60	148.16		148.50	0.003892	2.59	23.96	10.02	0.53
Giglio	52	Max WS	P_G_200	87.77	145.55	148.51		149.00	0.004976	3.12	28.13	10.23	0.60
Giglio	52	Max WS	P_G_100	77.54	145.55	148.35		148.79	0.004578	2.92	26.54	10.15	0.58
Giglio	52	Max WS	P_G_20	57.11	145.55	147.99		148.31	0.003760	2.49	22.94	9.99	0.52
Giglio	52	Max WS	PG_30	61.98	145.55	148.08		148.43	0.003961	2.60	23.85	10.03	0.54
Giglio	51.9			Lat Struct									
Giglio	51.8			Lat Struct									
Giglio	51	Max WS	P_G_200	87.77	145.47	148.45		148.92	0.005224	3.03	28.99	14.19	0.68
Giglio	51	Max WS	P_G_100	77.54	145.47	148.27		148.70	0.005046	2.92	26.51	13.26	0.66
Giglio	51	Max WS	P_G_20	57.11	145.47	147.89		148.24	0.004536	2.62	21.80	11.94	0.62
Giglio	51	Max WS	PG_30	61.97	145.47	147.98		148.36	0.004626	2.70	22.93	12.10	0.63
Giglio	50	Max WS	P_G_200	87.77	145.25	148.09		148.61	0.005519	3.18	27.59	12.27	0.68
Giglio	50	Max WS	P_G_100	77.53	145.25	147.94		148.40	0.005229	3.01	25.78	12.11	0.66
Giglio	50	Max WS	P_G_20	57.11	145.25	147.60		147.95	0.004501	2.62	21.78	11.53	0.61
Giglio	50	Max WS	PG_30	61.97	145.25	147.69		148.07	0.004661	2.72	22.79	11.64	0.62
Giglio	49	Max WS	P_G_200	87.76	144.77	147.76		148.08	0.003770	2.53	34.73	17.69	0.58
Giglio	49	Max WS	P_G_100	77.53	144.77	147.59		147.89	0.003762	2.44	31.82	17.09	0.57
Giglio	49	Max WS	P_G_20	57.10	144.77	147.22		147.47	0.003694	2.21	25.79	15.78	0.55
Giglio	49	Max WS	PG_30	61.97	144.77	147.31		147.58	0.003714	2.27	27.27	16.11	0.56
Giglio	48	Max WS	P_G_200	87.76	144.63	147.49		147.76	0.003058	2.30	38.11	19.67	0.53
Giglio	48	Max WS	P_G_100	77.53	144.63	147.31		147.57	0.003143	2.25	34.53	19.00	0.53

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	48	Max WS	P_G_20	57.09	144.63	146.90		147.13	0.003387	2.11	27.04	17.51	0.54
Giglio	48	Max WS	PG_30	61.97	144.63	147.00		147.24	0.003313	2.15	28.88	17.89	0.54
Giglio	47	Max WS	P_G_200	87.69	144.29	147.13		147.55	0.004220	2.89	30.44	14.28	0.63
Giglio	47	Max WS	P_G_100	77.53	144.29	146.97		147.36	0.004153	2.76	28.16	13.98	0.62
Giglio	47	Max WS	P_G_20	57.09	144.29	146.60		146.91	0.004064	2.47	23.13	13.29	0.60
Giglio	47	Max WS	PG_30	61.96	144.29	146.69		147.02	0.004079	2.54	24.39	13.46	0.60
Giglio	46	Max WS	P_G_200	87.65	144.01	146.61		147.33	0.009719	3.78	23.19	12.85	0.90
Giglio	46	Max WS	P_G_100	77.53	144.01	146.46		147.13	0.009672	3.64	21.33	12.58	0.89
Giglio	46	Max WS	P_G_20	57.09	144.01	146.12		146.68	0.009411	3.32	17.17	11.57	0.87
Giglio	46	Max WS	PG_30	61.96	144.01	146.20		146.80	0.009416	3.41	18.17	11.71	0.87
Giglio	45	Max WS	P_G_200	87.60	143.85	146.56		146.90	0.003593	2.58	33.96	14.73	0.54
Giglio	45	Max WS	P_G_100	77.52	143.85	146.39		146.70	0.003514	2.46	31.54	14.71	0.54
Giglio	45	Max WS	P_G_20	57.08	143.85	146.01		146.26	0.003302	2.20	25.96	14.12	0.52
Giglio	45	Max WS	PG_30	61.96	143.85	146.11		146.37	0.003451	2.26	27.37	14.66	0.53
Giglio	44.9			Lat Struct									
Giglio	44	Max WS	P_G_200	87.59	143.65	146.05		146.79	0.009833	3.81	22.99	11.89	0.87
Giglio	44	Max WS	P_G_100	77.52	143.65	145.91		146.59	0.009540	3.64	21.30	11.63	0.86
Giglio	44	Max WS	P_G_20	57.08	143.65	145.59		146.12	0.008748	3.23	17.69	11.06	0.81
Giglio	44	Max WS	PG_30	61.96	143.65	145.67		146.24	0.008954	3.33	18.59	11.21	0.83
Giglio	43	Max WS	P_G_200	87.52	143.41	145.92		146.37	0.005242	2.95	29.65	15.10	0.67
Giglio	43	Max WS	P_G_100	77.51	143.41	145.78		146.18	0.005138	2.83	27.43	14.81	0.66
Giglio	43	Max WS	P_G_20	57.08	143.41	145.44		145.76	0.004909	2.53	22.55	14.15	0.64
Giglio	43	Max WS	PG_30	61.96	143.41	145.52		145.87	0.004962	2.61	23.77	14.32	0.65
Giglio	42	Max WS	P_G_200	87.38	143.19	145.80		146.12	0.004111	2.51	34.85	19.76	0.60
Giglio	42	Max WS	P_G_100	77.45	143.19	145.62		145.93	0.004267	2.46	31.50	18.98	0.61
Giglio	42	Max WS	P_G_20	57.05	143.19	145.23		145.51	0.004673	2.33	24.44	17.21	0.63
Giglio	42	Max WS	PG_30	61.95	143.19	145.33		145.62	0.004557	2.37	26.17	17.66	0.62
Giglio	41	Max WS	P_G_200	85.82	142.76	145.12	145.08	145.98	0.011605	4.13	20.80	11.29	0.97
Giglio	41	Max WS	P_G_100	76.72	142.76	144.96	144.93	145.79	0.011951	4.04	19.01	11.01	0.98

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	41	Max WS	P_G_20	56.65	142.76	144.60	144.59	145.31	0.012405	3.74	15.16	10.39	0.99
Giglio	41	Max WS	PG_30	61.57	142.76	144.69	144.67	145.43	0.012290	3.82	16.12	10.55	0.99
Giglio	40	Max WS	P_G_200	88.99	142.60	144.95		145.29	0.003874	2.61	34.12	14.71	0.55
Giglio	40	Max WS	P_G_100	79.08	142.60	144.76		145.08	0.003945	2.52	31.36	14.66	0.55
Giglio	40	Max WS	P_G_20	57.78	142.60	144.35		144.61	0.004020	2.28	25.37	14.57	0.55
Giglio	40	Max WS	PG_30	62.67	142.60	144.45		144.73	0.003988	2.34	26.82	14.59	0.55
Giglio	39	Max WS	P_G_200	88.50	142.44	144.89	143.97	145.19	0.003165	2.42	36.55	14.98	0.49
Giglio	39	Max WS	P_G_100	78.22	142.44	144.70	143.85	144.98	0.003162	2.32	33.68	14.94	0.49
Giglio	39	Max WS	P_G_20	57.40	142.44	144.29	143.59	144.51	0.003147	2.09	27.53	14.90	0.49
Giglio	39	Max WS	PG_30	62.30	142.44	144.39	143.65	144.63	0.003149	2.15	29.03	14.90	0.49
Giglio	38.5			Bridge									
Giglio	38	Max WS	P_G_200	88.49	142.35	144.15		144.70	0.007987	3.28	27.01	14.99	0.78
Giglio	38	Max WS	P_G_100	78.21	142.35	143.97		144.50	0.008664	3.22	24.28	14.99	0.81
Giglio	38	Max WS	P_G_20	56.89	142.35	143.64		144.08	0.009495	2.96	19.22	14.99	0.83
Giglio	38	Max WS	PG_30	62.30	142.35	143.71		144.19	0.009436	3.05	20.41	14.99	0.83
Giglio	37	Max WS	P_G_200	87.75	142.20	143.99		144.53	0.005897	3.27	26.82	15.03	0.78
Giglio	37	Max WS	P_G_100	77.91	142.20	143.75		144.32	0.007209	3.35	23.28	15.02	0.86
Giglio	37	Max WS	P_G_20	56.37	142.20	143.38		143.90	0.008855	3.18	17.72	15.02	0.93
Giglio	37	Max WS	PG_30	61.79	142.20	143.46		144.00	0.008825	3.29	18.81	15.02	0.94
Giglio	36	Max WS	P_G_200	87.75	141.85	144.26		144.43	0.001247	1.83	47.91	20.00	0.38
Giglio	36	Max WS	P_G_100	77.73	141.85	143.99		144.16	0.001402	1.82	42.64	19.98	0.40
Giglio	36	Max WS	P_G_20	57.53	141.85	143.46		143.63	0.001883	1.80	32.00	19.94	0.45
Giglio	36	Max WS	PG_30	62.13	141.85	143.59		143.75	0.001729	1.80	34.53	19.95	0.44
Giglio	35	Max WS	P_G_200	87.74	141.70	144.25	142.96	144.40	0.000567	1.73	50.58	19.94	0.35
Giglio	35	Max WS	P_G_100	77.61	141.70	143.98	142.86	144.13	0.000625	1.71	45.26	19.93	0.36
Giglio	35	Max WS	P_G_20	57.38	141.70	143.43	142.65	143.57	0.000801	1.67	34.41	19.89	0.40
Giglio	35	Max WS	PG_30	62.05	141.70	143.56	142.70	143.71	0.000746	1.68	37.01	19.90	0.39
Giglio	34.5			Bridge									

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	34	Max WS	P_G_200	87.74	141.60	144.21		144.34	0.000496	1.65	53.06	20.79	0.33
Giglio	34	Max WS	P_G_100	77.57	141.60	143.95		144.08	0.000536	1.62	47.75	20.71	0.34
Giglio	34	Max WS	P_G_20	57.35	141.60	143.41		143.54	0.000667	1.57	36.64	20.52	0.37
Giglio	34	Max WS	PG_30	62.01	141.60	143.54		143.67	0.000625	1.58	39.34	20.56	0.36
Giglio	33	Max WS	P_G_200	87.73	141.50	144.19		144.32	0.000843	1.60	54.66	20.82	0.32
Giglio	33	Max WS	P_G_100	77.52	141.50	143.93		144.05	0.000902	1.57	49.32	20.73	0.33
Giglio	33	Max WS	P_G_20	57.17	141.50	143.38		143.50	0.001095	1.50	38.06	20.54	0.35
Giglio	33	Max WS	PG_30	61.97	141.50	143.52		143.63	0.001036	1.52	40.81	20.59	0.34
Giglio	32	Max WS	P_G_200	87.72	141.00	144.00		144.27	0.001923	2.32	38.04	17.82	0.50
Giglio	32	Max WS	P_G_100	77.50	141.00	143.73		144.01	0.002204	2.33	33.32	17.31	0.52
Giglio	32	Max WS	P_G_20	57.15	141.00	143.16		143.44	0.002795	2.33	24.50	14.50	0.57
Giglio	32	Max WS	PG_30	61.95	141.00	143.30		143.58	0.002642	2.34	26.51	14.99	0.56
Giglio	31	Max WS	P_G_200	87.70	140.55	143.47		143.95	0.003832	3.08	28.45	9.75	0.58
Giglio	31	Max WS	P_G_100	77.49	140.55	143.21		143.67	0.003885	2.98	25.96	9.75	0.58
Giglio	31	Max WS	P_G_20	57.12	140.55	142.67		143.06	0.004113	2.77	20.62	9.75	0.61
Giglio	31	Max WS	PG_30	61.94	140.55	142.80		143.21	0.004033	2.82	21.94	9.75	0.60
Giglio	30	Max WS	P_G_200	87.70	140.40	143.45		143.84	0.002916	2.78	31.56	10.37	0.51
Giglio	30	Max WS	P_G_100	77.49	140.40	143.19		143.55	0.002940	2.69	28.86	10.37	0.51
Giglio	30	Max WS	P_G_20	57.12	140.40	142.62		142.94	0.003078	2.48	23.02	10.37	0.53
Giglio	30	Max WS	PG_30	61.94	140.40	142.76		143.09	0.003026	2.53	24.47	10.37	0.53
Giglio	29	Max WS	P_G_200	87.70	140.23	143.50	142.04	143.78	0.000997	2.34	37.46	11.46	0.41
Giglio	29	Max WS	P_G_100	77.49	140.23	143.24	141.90	143.49	0.000993	2.25	34.42	11.46	0.41
Giglio	29	Max WS	P_G_20	57.09	140.23	142.66	141.60	142.87	0.000999	2.05	27.83	11.45	0.42
Giglio	29	Max WS	PG_30	61.94	140.23	142.80	141.67	143.03	0.000994	2.10	29.47	11.45	0.42
Giglio	28.5			Bridge									
Giglio	28	Max WS	P_G_200	87.69	140.10	143.55		143.76	0.000671	2.01	43.61	12.65	0.35
Giglio	28	Max WS	P_G_100	77.49	140.10	143.28		143.47	0.000663	1.93	40.19	12.65	0.35
Giglio	28	Max WS	P_G_20	57.09	140.10	142.70		142.85	0.000650	1.74	32.81	12.65	0.34
Giglio	28	Max WS	PG_30	61.94	140.10	142.85		143.01	0.000652	1.79	34.65	12.65	0.34

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	27	Max WS	P_G_200	87.69	140.00	143.51		143.73	0.001398	2.11	41.56	11.86	0.36
Giglio	27	Max WS	P_G_100	77.49	140.00	143.24		143.45	0.001368	2.02	38.39	11.86	0.36
Giglio	27	Max WS	P_G_20	57.09	140.00	142.66		142.83	0.001310	1.81	31.54	11.86	0.35
Giglio	27	Max WS	PG_30	61.94	140.00	142.81		142.98	0.001323	1.86	33.25	11.86	0.36
Giglio	26	Max WS	P_G_200	87.68	139.90	143.27		143.68	0.002956	2.83	31.03	9.20	0.49
Giglio	26	Max WS	P_G_100	77.49	139.90	143.03		143.40	0.002855	2.70	28.75	9.20	0.49
Giglio	26	Max WS	P_G_20	57.08	139.90	142.49		142.78	0.002640	2.40	23.80	9.20	0.48
Giglio	26	Max WS	PG_30	61.94	139.90	142.62		142.94	0.002692	2.47	25.04	9.20	0.48
Giglio	25	Max WS	P_G_200	87.68	139.85	142.84		143.60	0.006764	3.86	22.70	7.60	0.71
Giglio	25	Max WS	P_G_100	77.49	139.85	142.63		143.31	0.006453	3.67	21.11	7.60	0.70
Giglio	25	Max WS	P_G_20	57.08	139.85	142.17		142.70	0.005798	3.24	17.63	7.60	0.68
Giglio	25	Max WS	PG_30	61.93	139.85	142.28		142.86	0.005959	3.35	18.50	7.60	0.68
Giglio	24	Max WS	P_G_200	87.68	139.75	142.42		143.39	0.009477	4.37	20.08	7.54	0.85
Giglio	24	Max WS	P_G_100	77.49	139.75	142.24		143.11	0.009021	4.14	18.71	7.54	0.84
Giglio	24	Max WS	P_G_20	57.07	139.75	141.84		142.51	0.007995	3.63	15.73	7.54	0.80
Giglio	24	Max WS	PG_30	61.93	139.75	141.94		142.66	0.008259	3.76	16.47	7.54	0.81
Giglio	23	Max WS	P_G_200	87.67	139.60	142.51		142.87	0.002701	2.67	32.79	11.32	0.50
Giglio	23	Max WS	P_G_100	77.49	139.60	142.29		142.62	0.002641	2.55	30.34	11.31	0.50
Giglio	23	Max WS	P_G_20	57.06	139.60	141.82		142.08	0.002537	2.29	24.96	11.30	0.49
Giglio	23	Max WS	PG_30	61.93	139.60	141.93		142.22	0.002562	2.35	26.30	11.30	0.49
Giglio	22	Max WS	P_G_200	87.66	139.50	142.29		142.75	0.003646	3.00	29.18	10.57	0.58
Giglio	22	Max WS	P_G_100	77.48	139.50	142.09		142.51	0.003557	2.87	27.02	10.55	0.57
Giglio	22	Max WS	P_G_20	57.05	139.50	141.63		141.97	0.003403	2.57	22.24	10.51	0.56
Giglio	22	Max WS	PG_30	61.93	139.50	141.75		142.10	0.003440	2.64	23.43	10.52	0.57
Giglio	21	Max WS	P_G_200	87.65	139.22	142.20		142.57	0.002727	2.69	32.54	10.96	0.50
Giglio	21	Max WS	P_G_100	77.48	139.22	142.00		142.33	0.002612	2.56	30.31	10.96	0.49
Giglio	21	Max WS	P_G_20	57.05	139.22	141.55		141.81	0.002378	2.25	25.37	10.96	0.47
Giglio	21	Max WS	PG_30	61.93	139.22	141.66		141.94	0.002438	2.33	26.61	10.96	0.48
Giglio	20	Max WS	P_G_200	87.65	139.20	142.10		142.49	0.002991	2.79	31.47	10.92	0.52
Giglio	20	Max WS	P_G_100	77.48	139.20	141.90		142.26	0.002866	2.64	29.32	10.91	0.51

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

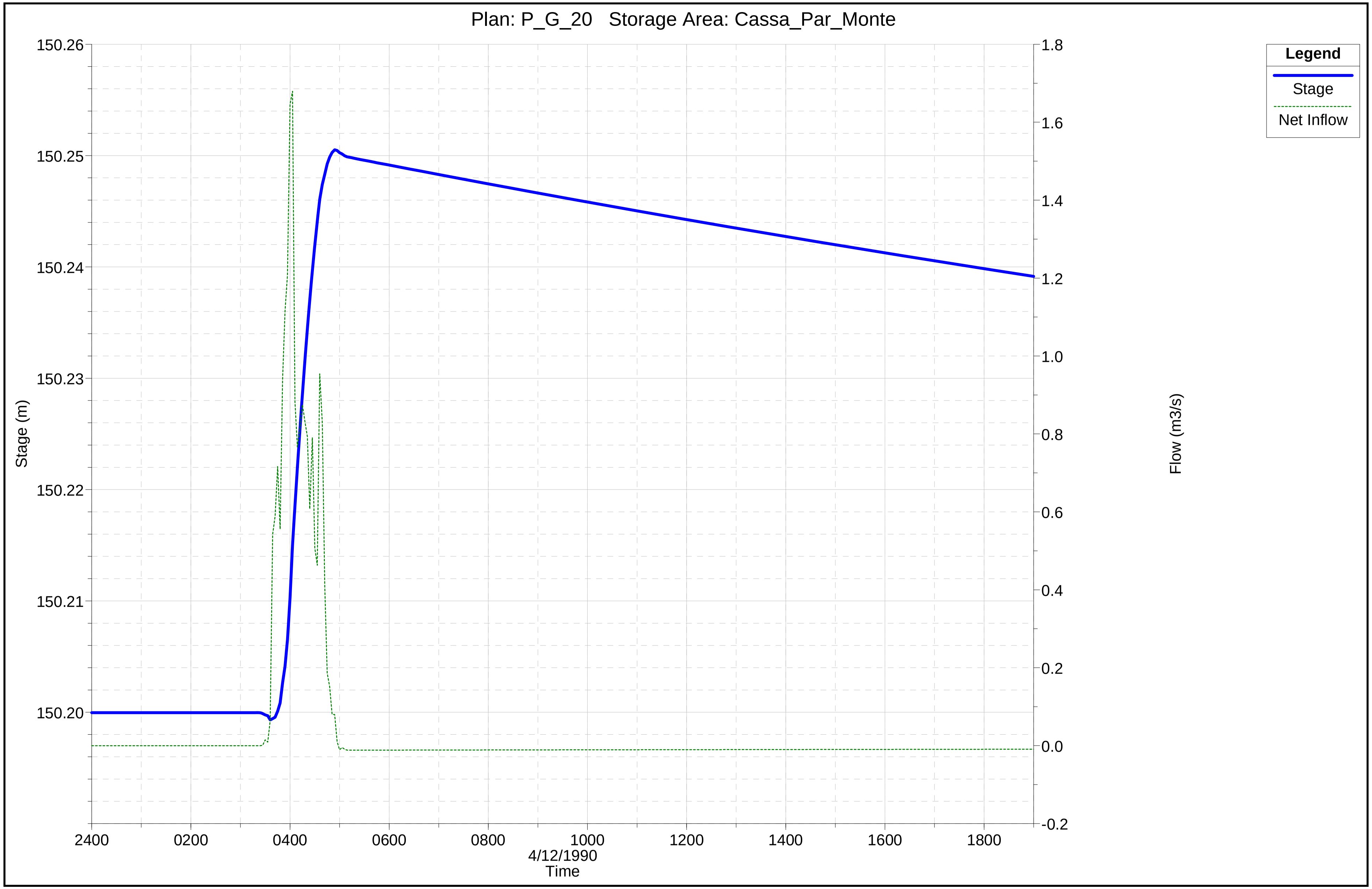
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	20	Max WS	P_G_20	57.05	139.20	141.46		141.74	0.002614	2.33	24.53	10.90	0.49
Giglio	20	Max WS	PG_30	61.93	139.20	141.57		141.87	0.002680	2.41	25.73	10.90	0.50
Giglio	19	Max WS	P_G_200	87.64	139.10	141.93		142.35	0.003225	2.86	30.62	10.86	0.54
Giglio	19	Max WS	P_G_100	77.48	139.10	141.74		142.12	0.003070	2.71	28.59	10.85	0.53
Giglio	19	Max WS	P_G_20	57.04	139.10	141.33		141.61	0.002758	2.37	24.05	10.84	0.51
Giglio	19	Max WS	PG_30	61.93	139.10	141.43		141.74	0.002840	2.46	25.18	10.84	0.52
Giglio	18	Max WS	P_G_200	87.64	139.04	141.79		142.24	0.003487	2.94	29.81	10.83	0.57
Giglio	18	Max WS	P_G_100	77.48	139.04	141.62		142.01	0.003301	2.78	27.90	10.83	0.55
Giglio	18	Max WS	P_G_20	57.04	139.04	141.22		141.52	0.002934	2.42	23.56	10.83	0.52
Giglio	18	Max WS	PG_30	61.93	139.04	141.32		141.64	0.003032	2.51	24.64	10.83	0.53
Giglio	17	Max WS	P_G_200	87.64	139.00	141.66		142.16	0.004121	3.13	28.04	10.60	0.61
Giglio	17	Max WS	P_G_100	77.48	139.00	141.49		141.94	0.003879	2.95	26.29	10.60	0.60
Giglio	17	Max WS	P_G_20	57.04	139.00	141.12		141.45	0.003409	2.56	22.29	10.59	0.56
Giglio	17	Max WS	PG_30	61.93	139.00	141.21		141.57	0.003535	2.66	23.29	10.59	0.57
Giglio	16	Max WS	P_G_200	87.63	138.95	141.26		142.08	0.008036	4.00	21.89	10.33	0.88
Giglio	16	Max WS	P_G_100	77.48	138.95	141.12		141.85	0.007715	3.80	20.41	10.30	0.86
Giglio	16	Max WS	P_G_20	57.03	138.95	140.79		141.36	0.007161	3.35	17.03	10.24	0.83
Giglio	16	Max WS	PG_30	61.93	138.95	140.87		141.48	0.007334	3.47	17.85	10.25	0.84
Giglio	15	Max WS	P_G_200	87.63	138.81	141.05		141.75	0.006669	3.70	23.72	10.66	0.79
Giglio	15	Max WS	P_G_100	77.48	138.81	140.92		141.54	0.006222	3.47	22.33	10.65	0.76
Giglio	15	Max WS	P_G_20	57.03	138.81	140.62		141.08	0.005353	2.98	19.12	10.62	0.71
Giglio	15	Max WS	PG_30	61.93	138.81	140.69		141.19	0.005619	3.12	19.88	10.63	0.73
Giglio	14	Max WS	P_G_200	87.63	138.65	141.19	140.45	141.64	0.002001	2.97	29.48	11.60	0.60
Giglio	14	Max WS	P_G_100	77.48	138.65	141.05	140.31	141.44	0.001853	2.78	27.82	11.60	0.57
Giglio	14	Max WS	P_G_20	57.03	138.65	140.71	140.00	141.00	0.001569	2.38	23.93	11.60	0.53
Giglio	14	Max WS	PG_30	61.93	138.65	140.79	140.08	141.11	0.001651	2.49	24.86	11.60	0.54
Giglio	13.5			Bridge									
Giglio	13	Max WS	P_G_200	87.63	138.60	141.16		141.60	0.001960	2.95	29.68	11.60	0.59
Giglio	13	Max WS	P_G_100	77.48	138.60	141.02		141.41	0.001804	2.76	28.08	11.60	0.57

HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

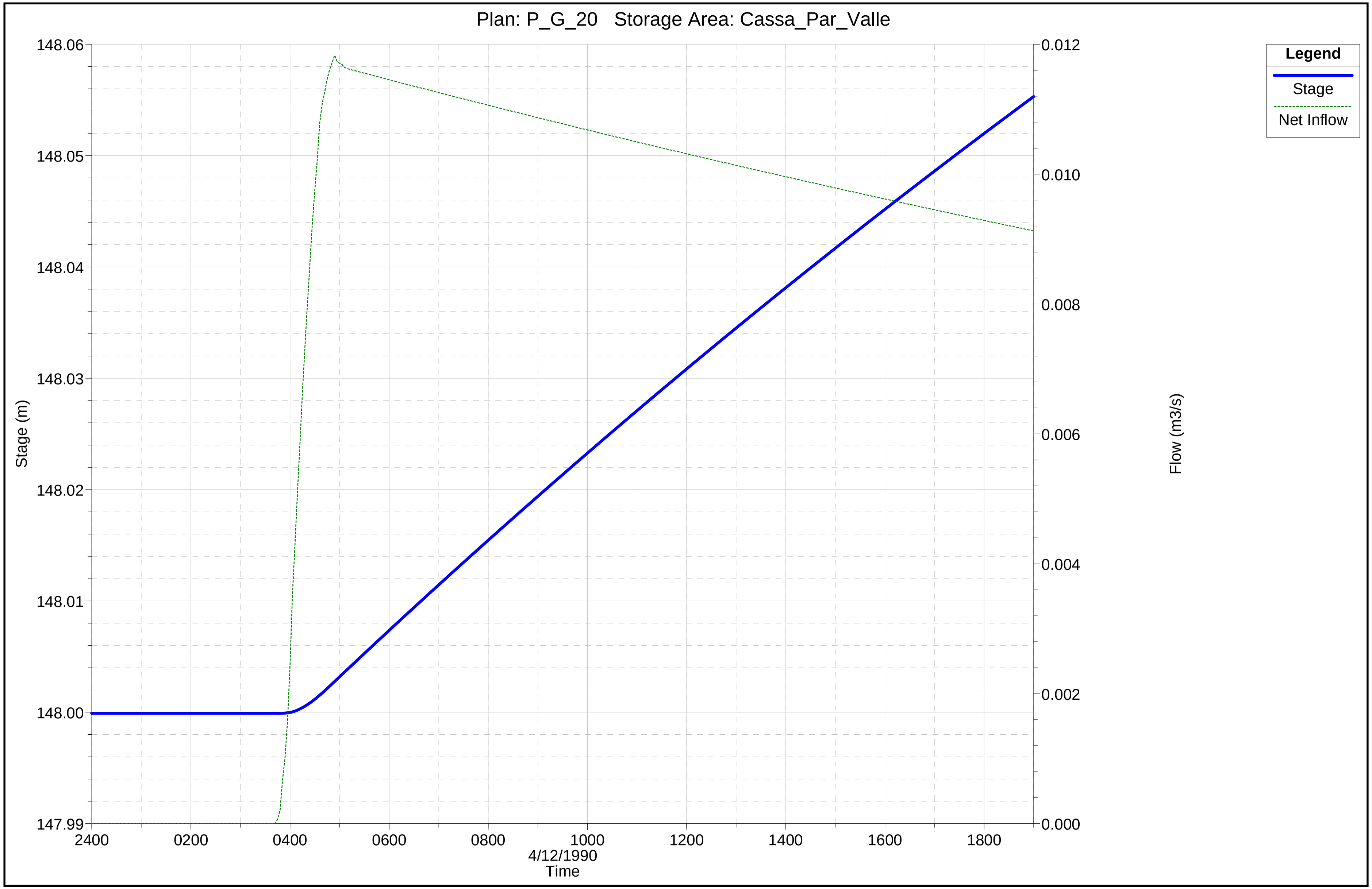
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	13	Max WS	P_G_20	57.03	138.60	140.69		140.97	0.001507	2.35	24.26	11.60	0.52
Giglio	13	Max WS	PG_30	61.93	138.60	140.77		141.08	0.001592	2.46	25.17	11.60	0.53
Giglio	12	Max WS	P_G_200	87.63	138.44	140.82		141.52	0.006546	3.72	23.58	10.02	0.77
Giglio	12	Max WS	P_G_100	77.47	138.44	140.74		141.33	0.005635	3.40	22.81	10.01	0.72
Giglio	12	Max WS	P_G_20	57.03	138.44	140.51		140.91	0.004143	2.77	20.55	10.00	0.62
Giglio	12	Max WS	PG_30	61.93	138.44	140.57		141.01	0.004527	2.94	21.09	10.00	0.65
Giglio	11	Max WS	P_G_200	87.64	138.30	139.18	140.28	144.15	0.127336	9.88	8.87	10.17	3.37
Giglio	11	Max WS	P_G_100	77.48	138.30	139.10	140.12	143.86	0.137156	9.67	8.01	10.15	3.47
Giglio	11	Max WS	P_G_20	57.03	138.30	138.93	139.79	143.03	0.154094	8.96	6.36	10.11	3.60
Giglio	11	Max WS	PG_30	61.93	138.30	138.97	139.87	143.26	0.150744	9.17	6.75	10.12	3.59
Giglio	10	Max WS	P_G_200	89.09	135.99	138.93		139.27	0.002577	2.56	34.85	14.25	0.52
Giglio	10	Max WS	P_G_100	78.77	135.99	138.81		139.10	0.002343	2.38	33.12	14.19	0.50
Giglio	10	Max WS	P_G_20	57.95	135.99	138.50		138.71	0.001935	2.02	28.75	14.02	0.45
Giglio	10	Max WS	PG_30	62.93	135.99	138.59		138.81	0.002024	2.10	29.92	14.06	0.46
Giglio	09	Max WS	P_G_200	89.08	135.76	138.44		139.02	0.005652	3.38	26.33	15.16	0.82
Giglio	09	Max WS	P_G_100	78.75	135.76	138.39		138.87	0.004806	3.08	25.61	15.11	0.75
Giglio	09	Max WS	P_G_20	57.95	135.76	138.17		138.51	0.003931	2.59	22.35	14.87	0.67
Giglio	09	Max WS	PG_30	62.93	135.76	138.24		138.61	0.004048	2.69	23.37	14.95	0.69
Giglio	08	Max WS	P_G_200	89.08	135.29	137.97	138.03	138.93	0.009511	4.35	20.49	11.66	1.05
Giglio	08	Max WS	P_G_100	15.98	135.29	137.91		137.95	0.000333	0.80	19.86	11.50	0.20
Giglio	08	Max WS	P_G_20	15.97	135.29	137.91		137.95	0.000332	0.80	19.86	11.50	0.20
Giglio	08	Max WS	PG_30	15.99	135.29	137.91		137.95	0.000333	0.80	19.86	11.50	0.20
Giglio	07	Max WS	P_G_200	22.68	135.14	137.93		137.96	0.000283	0.80	28.20	14.47	0.18
Giglio	07	Max WS	P_G_100	22.83	135.14	137.93		137.96	0.000287	0.81	28.17	14.47	0.19
Giglio	07	Max WS	P_G_20	22.71	135.14	137.92		137.96	0.000285	0.81	28.15	14.46	0.18
Giglio	07	Max WS	PG_30	22.66	135.14	137.93		137.96	0.000284	0.81	28.15	14.46	0.18
Giglio	06	Max WS	P_G_200	45.93	134.66	137.93		138.03	0.000815	1.44	31.94	14.47	0.31
Giglio	06	Max WS	P_G_100	38.32	134.66	137.93		138.00	0.000568	1.20	31.92	14.47	0.26
Giglio	06	Max WS	P_G_20	45.45	134.66	137.92		138.03	0.000801	1.42	31.90	14.46	0.31
Giglio	06	Max WS	PG_30	45.49	134.66	137.93		138.03	0.000802	1.43	31.90	14.47	0.31

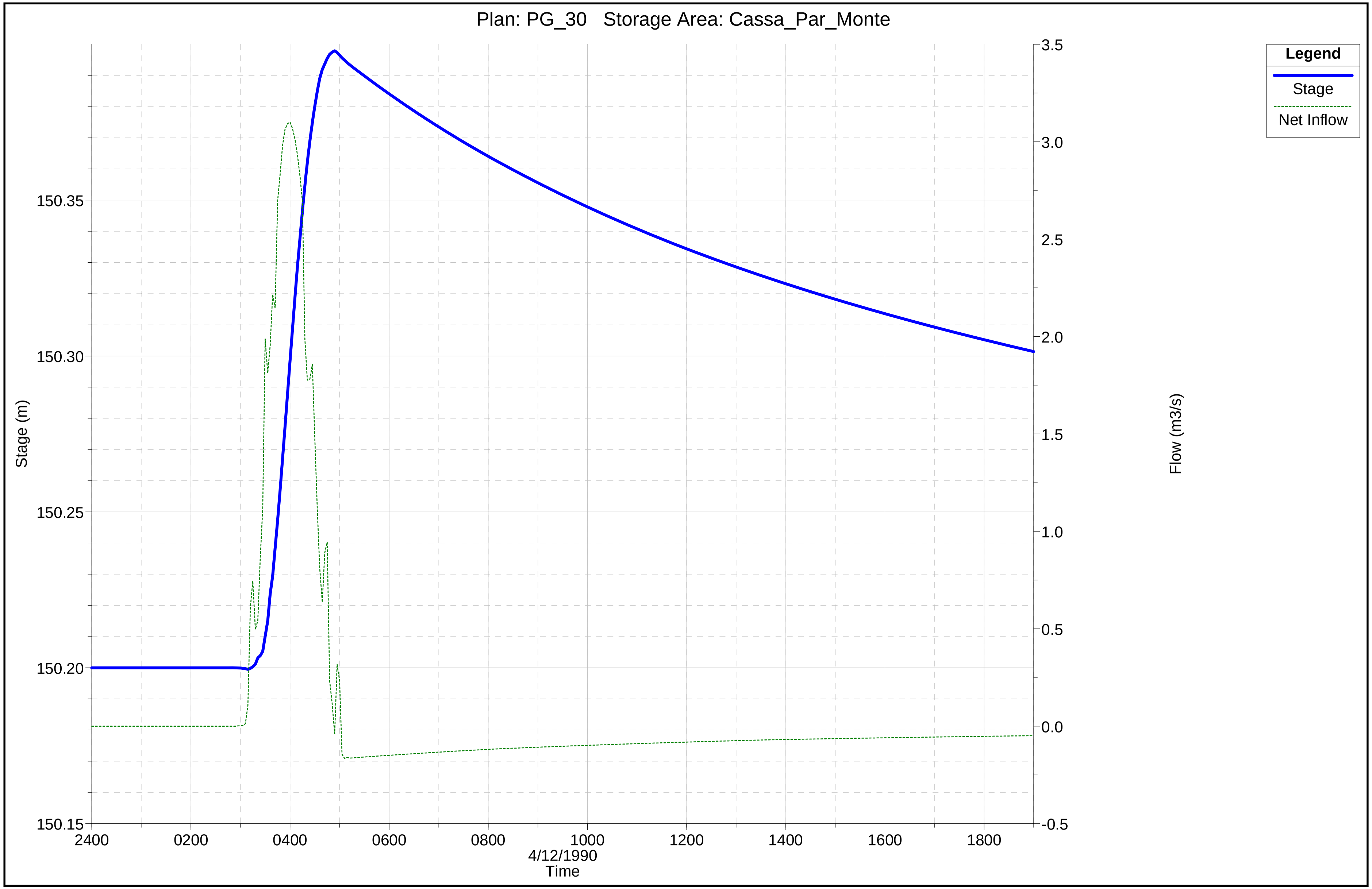
HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Giglio	05	Max WS	P_G_200	89.08	134.03	138.05		138.25	0.001536	1.99	44.74	21.42	0.44
Giglio	05	Max WS	P_G_100	78.75	134.03	138.02		138.18	0.001252	1.79	44.09	21.31	0.40
Giglio	05	Max WS	P_G_20	57.86	134.03	137.97		138.06	0.000721	1.34	43.10	21.14	0.30
Giglio	05	Max WS	PG_30	62.89	134.03	137.98		138.09	0.000841	1.45	43.30	21.17	0.32
Giglio	04	Max WS	P_G_200	89.08	133.96	138.02		138.21	0.001412	1.93	46.08	21.51	0.42
Giglio	04	Max WS	P_G_100	78.75	133.96	138.00		138.15	0.001140	1.73	45.55	21.43	0.38
Giglio	04	Max WS	P_G_20	57.85	133.96	137.96		138.04	0.000647	1.29	44.77	21.30	0.28
Giglio	04	Max WS	PG_30	62.88	133.96	137.97		138.07	0.000757	1.40	44.92	21.32	0.31
Giglio	03	Max WS	P_G_200	89.08	133.62	137.95		138.16	0.001297	2.05	43.55	17.07	0.41
Giglio	03	Max WS	P_G_100	78.60	133.62	137.94		138.11	0.001018	1.81	43.44	17.06	0.36
Giglio	03	Max WS	P_G_20	57.16	133.62	137.93		138.02	0.000544	1.32	43.28	17.03	0.26
Giglio	03	Max WS	PG_30	62.58	133.62	137.93		138.04	0.000650	1.44	43.31	17.04	0.29
Giglio	02	Max WS	P_G_200	23.12	133.58	137.92		137.93	0.000083	0.52	44.13	17.01	0.10
Giglio	02	Max WS	P_G_100	23.00	133.58	137.92		137.93	0.000082	0.52	44.12	17.01	0.10
Giglio	02	Max WS	P_G_20	22.82	133.58	137.92		137.93	0.000081	0.52	44.12	17.00	0.10
Giglio	02	Max WS	PG_30	22.79	133.58	137.92		137.93	0.000081	0.52	44.12	17.00	0.10
Giglio	01	Max WS	P_G_200	15.50	133.46	137.92	134.52	137.92	0.000028	0.31	49.22	18.19	0.06
Giglio	01	Max WS	P_G_100	15.50	133.46	137.92	134.52	137.92	0.000028	0.31	49.22	18.19	0.06
Giglio	01	Max WS	P_G_20	15.50	133.46	137.92	134.52	137.92	0.000028	0.31	49.22	18.19	0.06
Giglio	01	Max WS	PG_30	15.50	133.46	137.92	134.52	137.92	0.000028	0.31	49.22	18.19	0.06

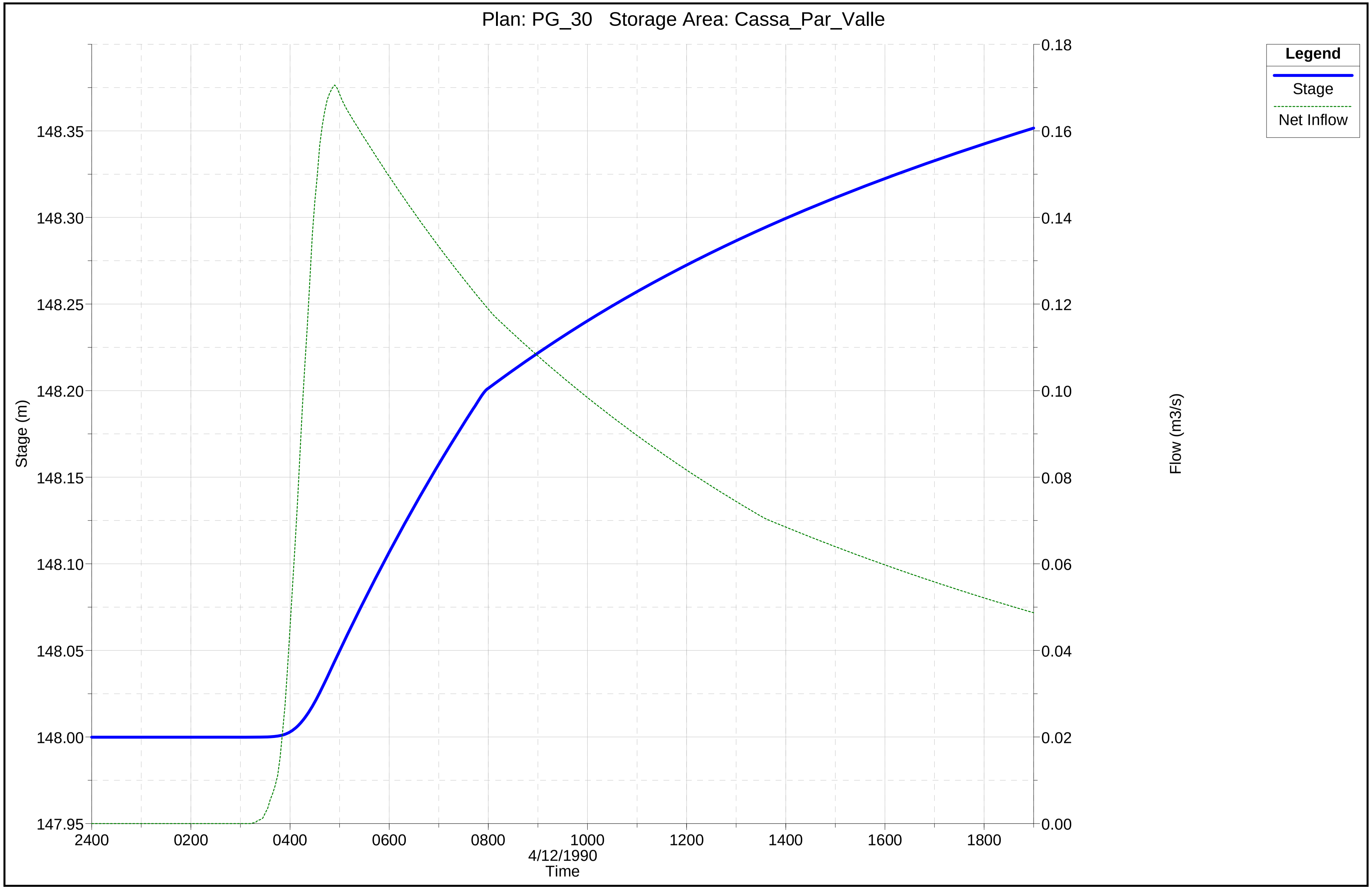


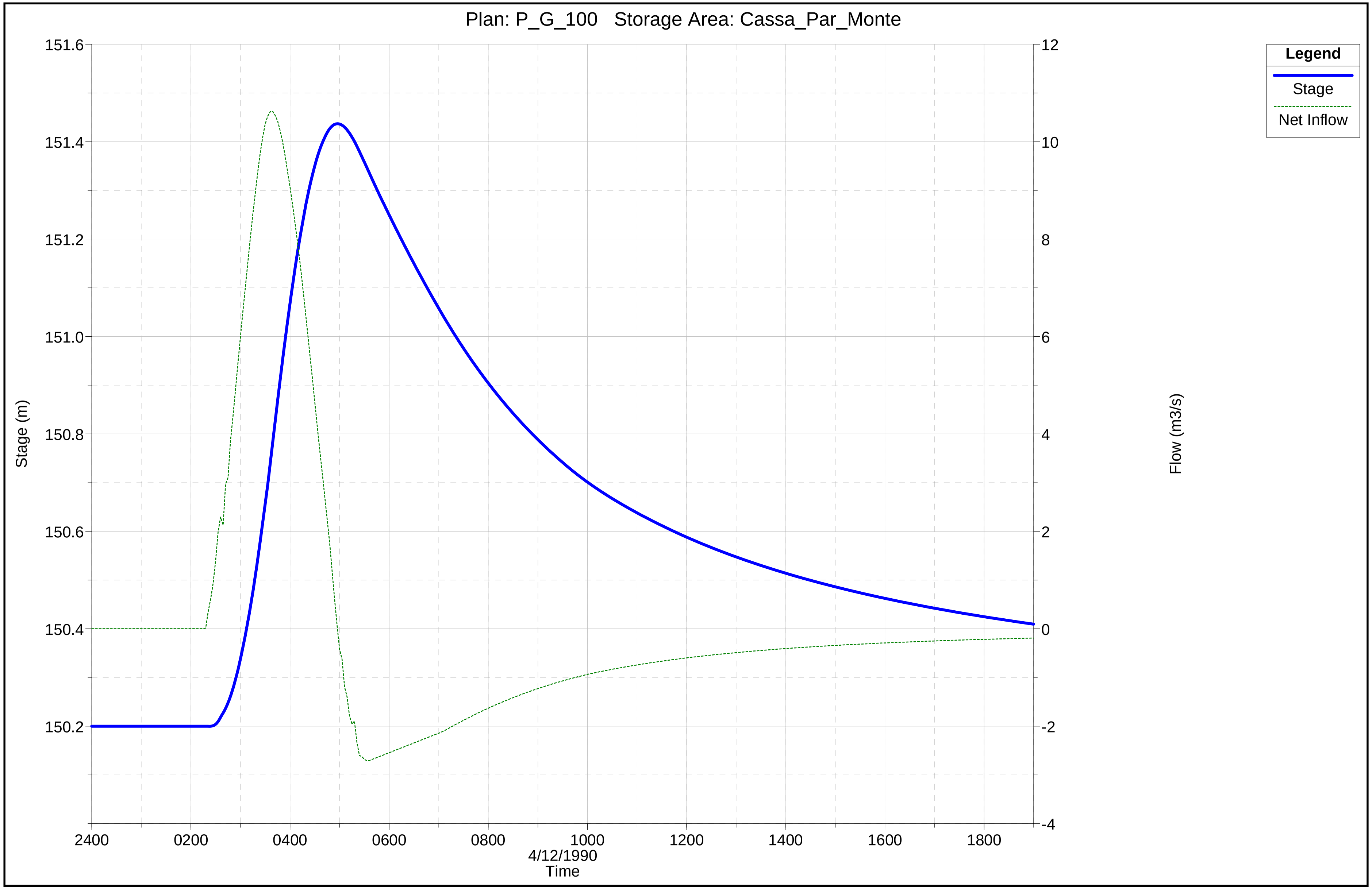
Plan: P_G_20   Storage Area: Cassa_Par_Monte
Stage (m)
150.26
150.25
150.24
150.23
150.22
150.21
150.20
Flow (m3/s)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time
Legend
Stage
Net Inflow


Plan: P_G_20   Storage Area: Cassa_Par_Valle
Legend
Stage
Net Inflow
Stage (m)
148.06
148.05
148.04
148.03
148.02
148.01
148.00
147.99
Flow (m3/s)
0.012
0.010
0.008
0.006
0.004
0.002
0.000
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

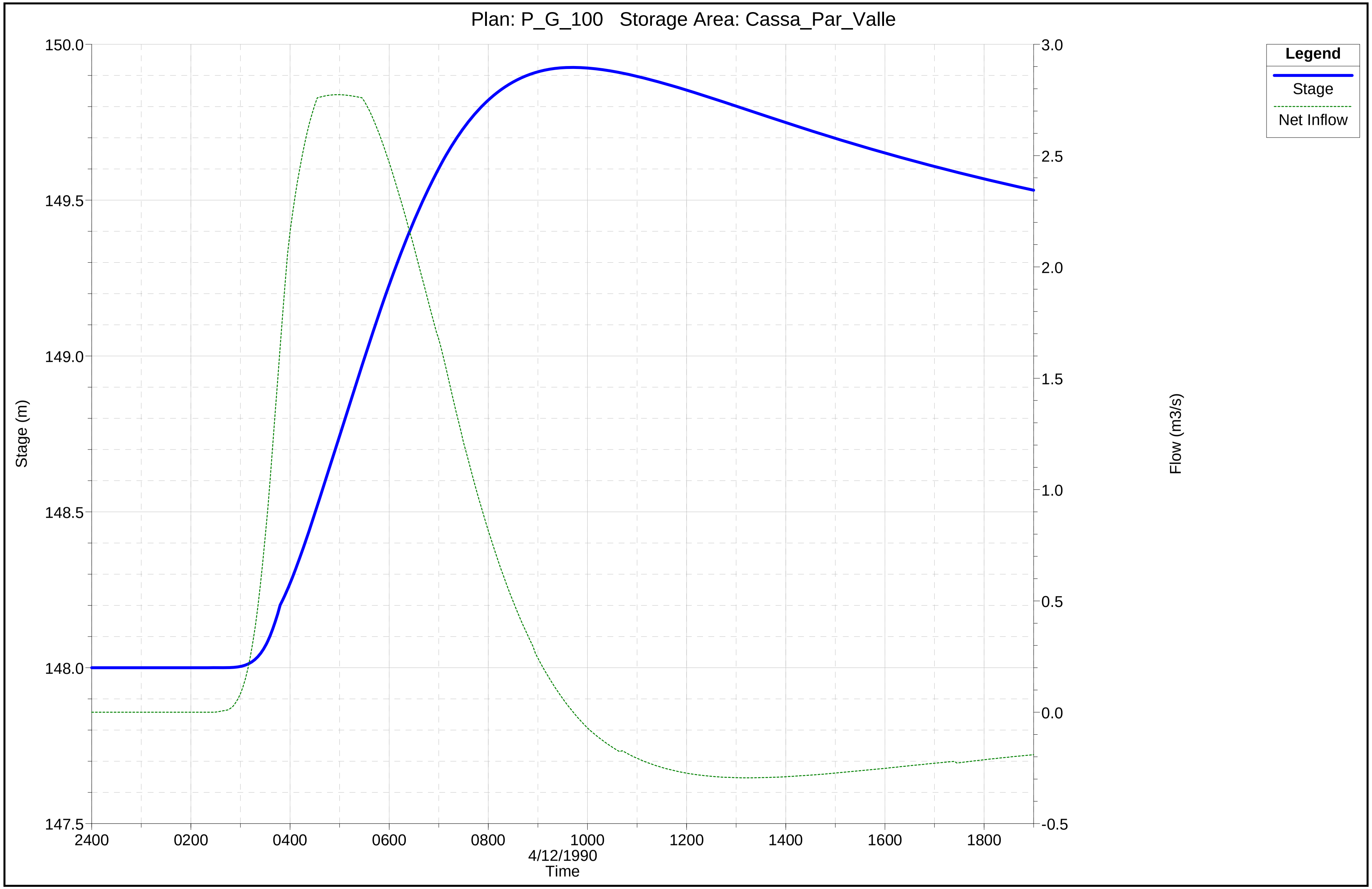


Plan: PG_30   Storage Area: Cassa_Par_Monte
Legend
Stage
Net Inflow
Stage (m)
150.15
150.20
150.25
150.30
150.35
Flow (m3/s)
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

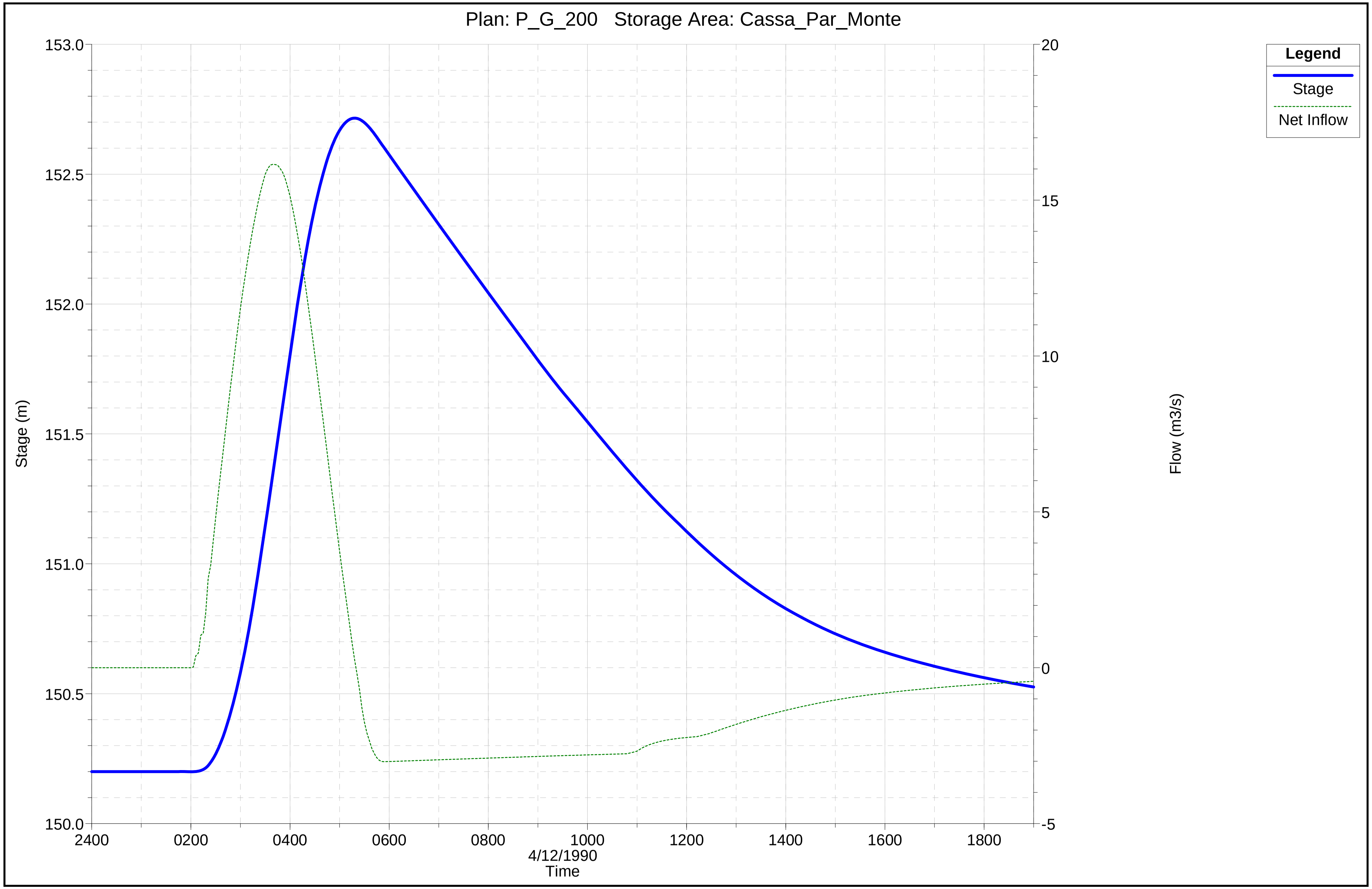

Plan: PG_30   Storage Area: Cassa_Par_Valle
Legend
Stage
Net Inflow
Stage (m)
148.35
148.30
148.25
148.20
148.15
148.10
148.05
148.00
147.95
Flow (m3/s)
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

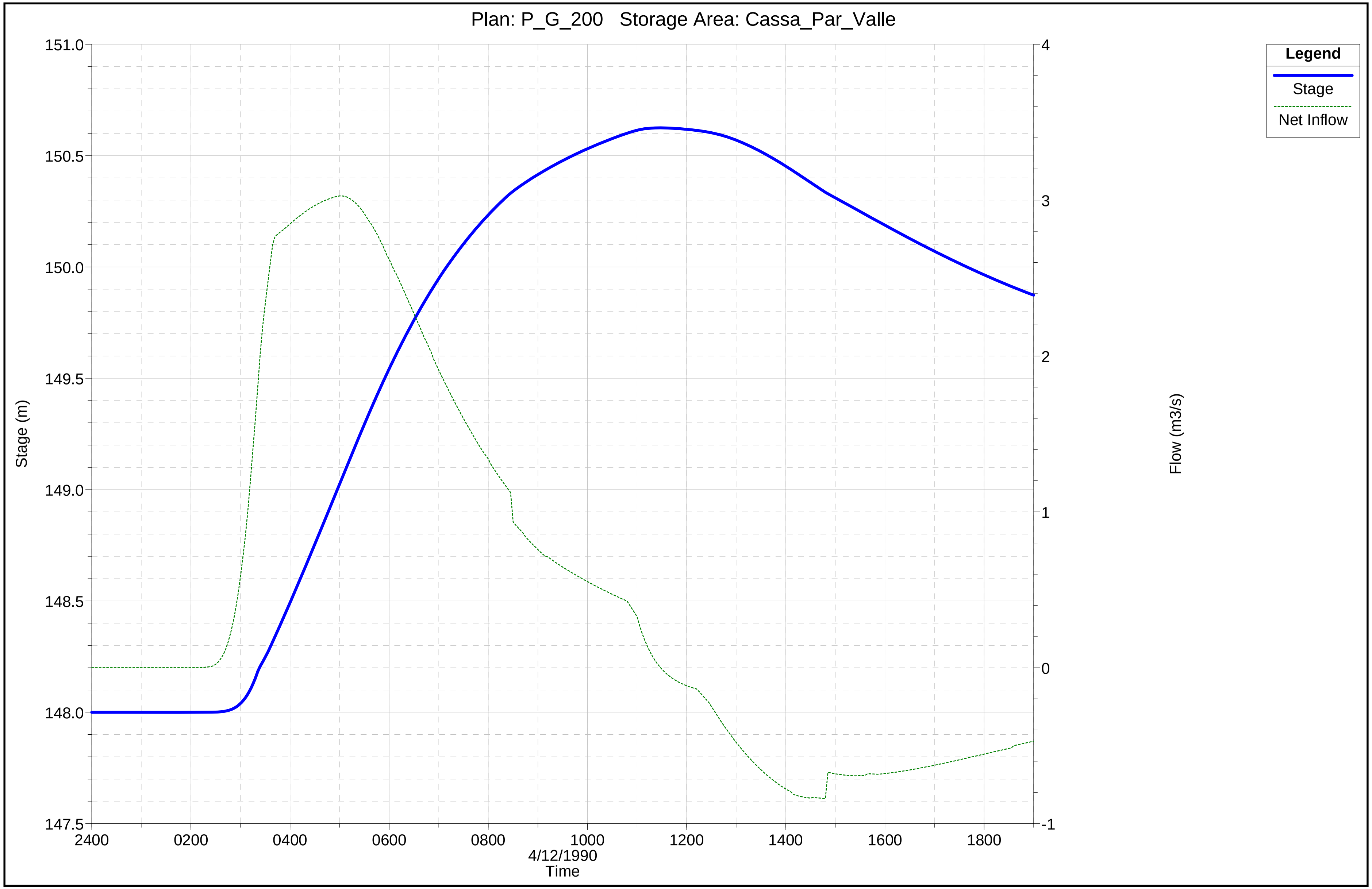


Plan: P_G_100 Storage Area: Cassa_Par_Monte
Stage (m)
151.6
151.4
151.2
151.0
150.8
150.6
150.4
150.2
Flow (m3/s)
12
10
8
6
4
2
0
-2
-4
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time
Legend
Stage
Net Inflow



Plan: P_G_100 Storage Area: Cassa_Par_Valle
Stage (m)
150.0
149.5
149.0
148.5
148.0
147.5
Flow (m3/s)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time
Legend
Stage
Net Inflow


Plan: P_G_200 Storage Area: Cassa_Par_Monte
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
153.0
152.5
152.0
151.5
151.0
150.5
150.0
20
15
10
5
0
-5
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time



Plan: P_G_200   Storage Area: Cassa_Par_Valle
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
151.0
150.5
150.0
149.5
149.0
148.5
148.0
147.5
4
3
2
1
0
-1
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

borro della Sabina - stato di progetto

<u>verifiche con Tpioggia critico per il Borro della Sabina</u>

- moto vario

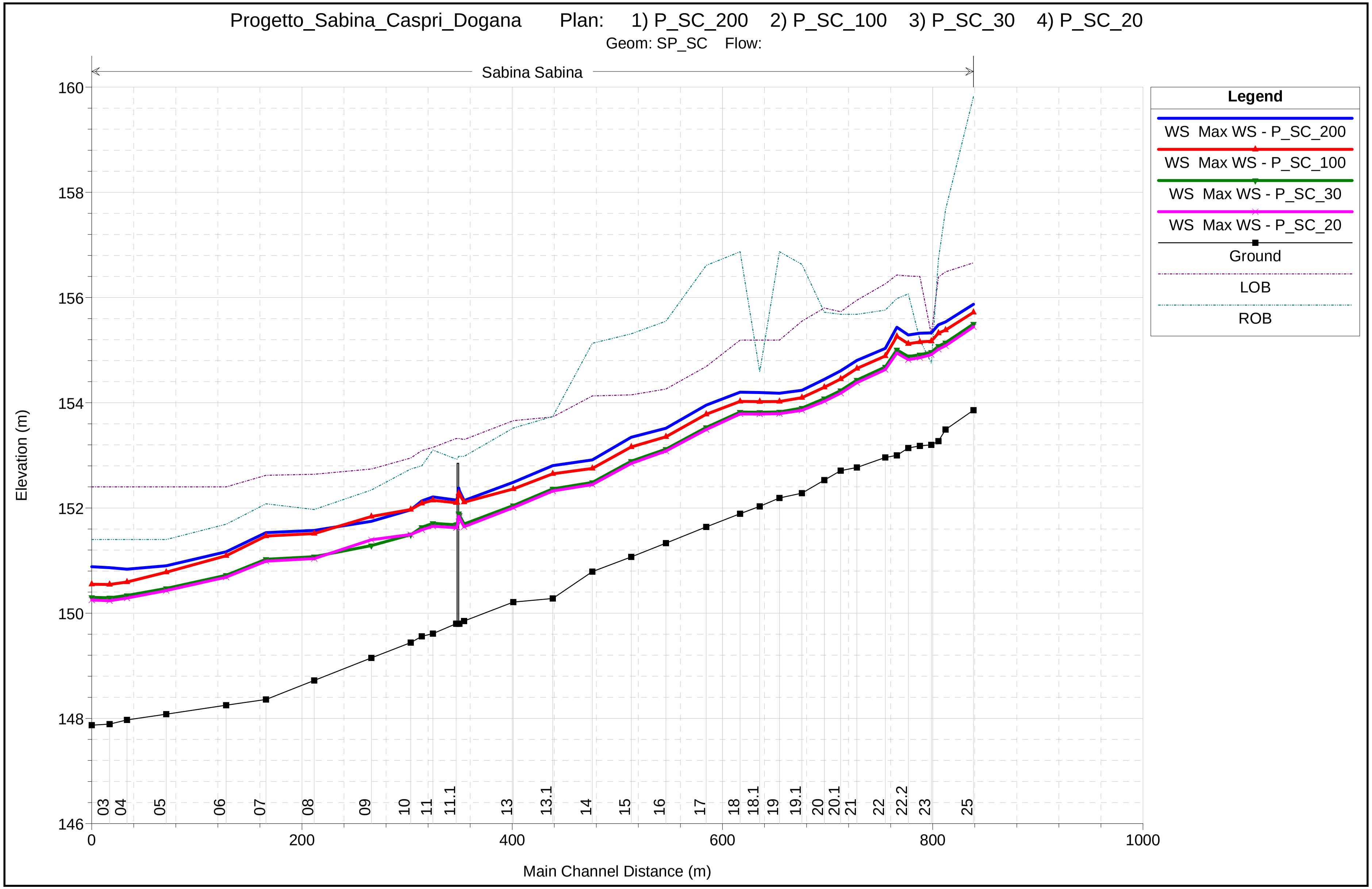
  Tr=200, 100, 30 e 20 anni

  profilo

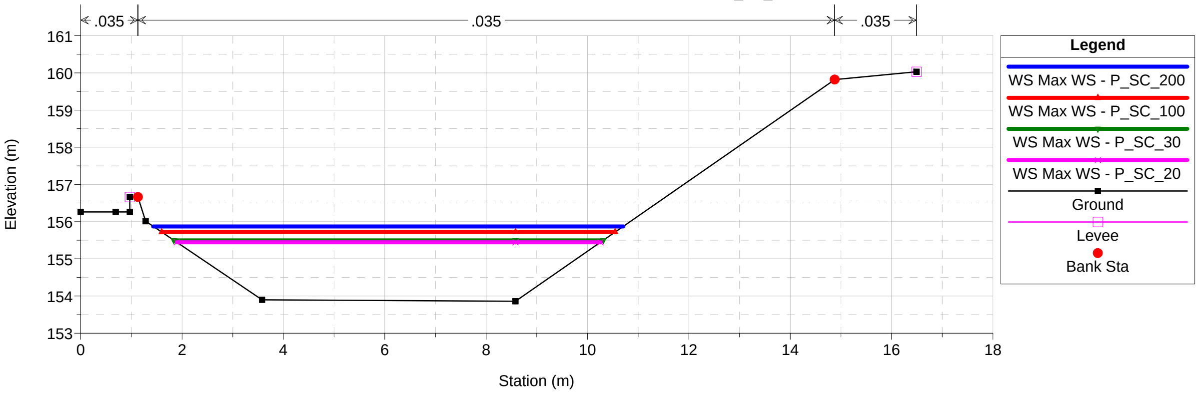
  livelli idrici nelle sezioni di verifica

  tabella di output del software Hec-ras 4.0

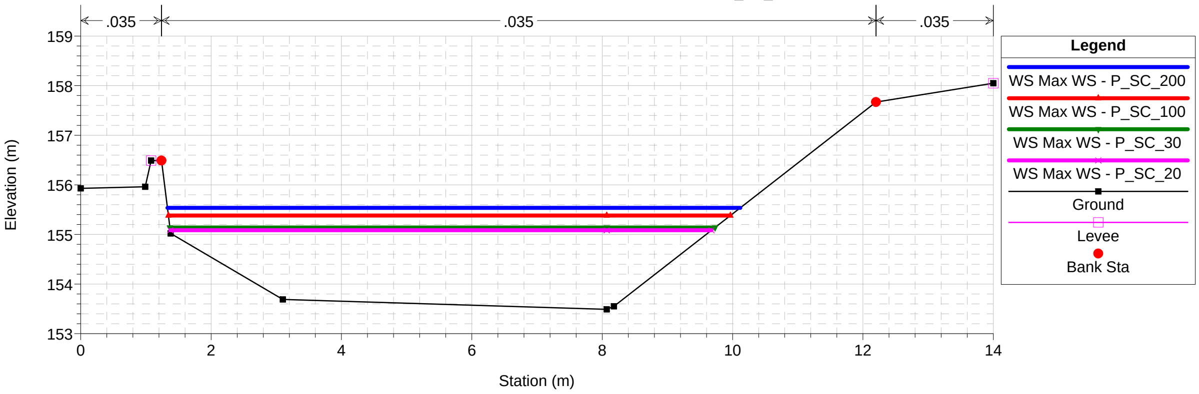
  livelli e portate in ingresso alle aree di accumulo


Progetto_Sabina_Caspri_Dogana
Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
Sabina Sabina
Elevation (m)
Main Channel Distance (m)
160
158
156
154
152
150
148
146
0
200
400
600
800
1000
03
04
05
06
07
08
09
10
11
11.1
13
13.1
14
15
16
17
18
18.1
19
19.1
20
20.1
21
22
22.2
23
25
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
LOB
ROB

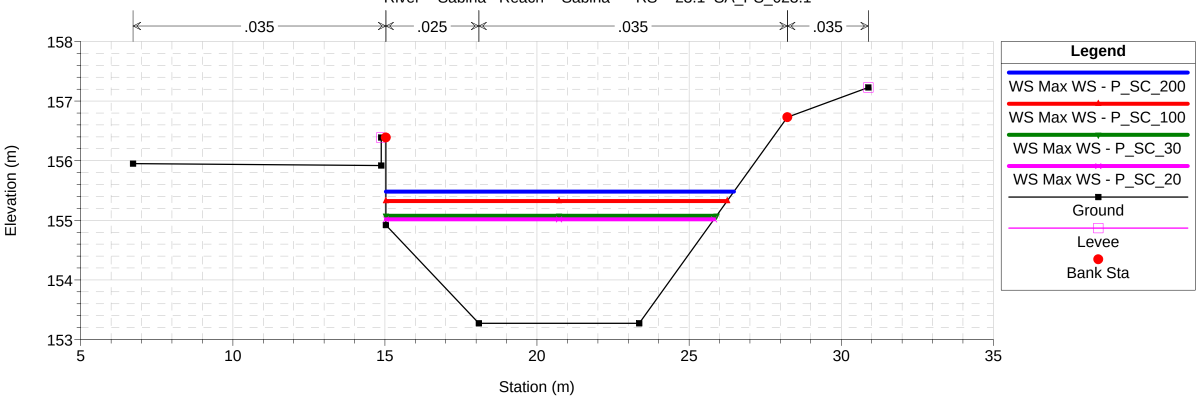
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 25 SA_PS_025



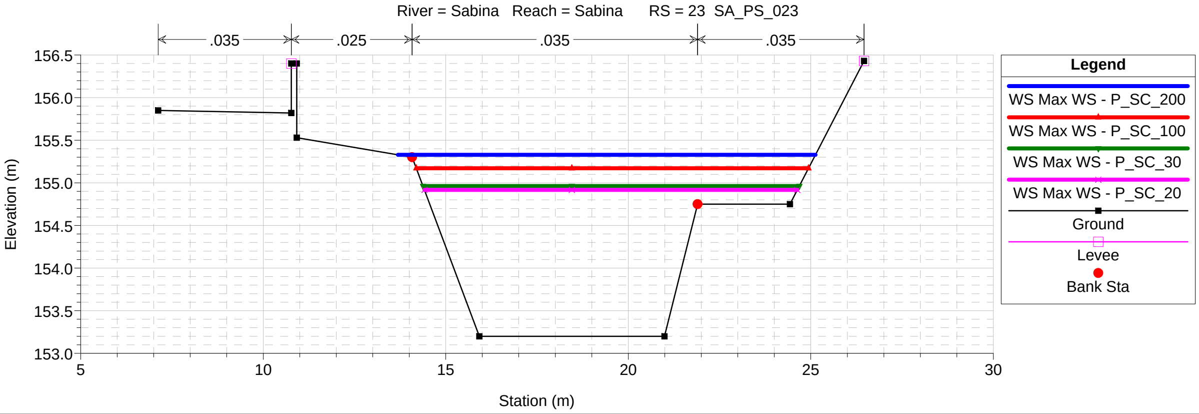
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 24 SA_PS_024



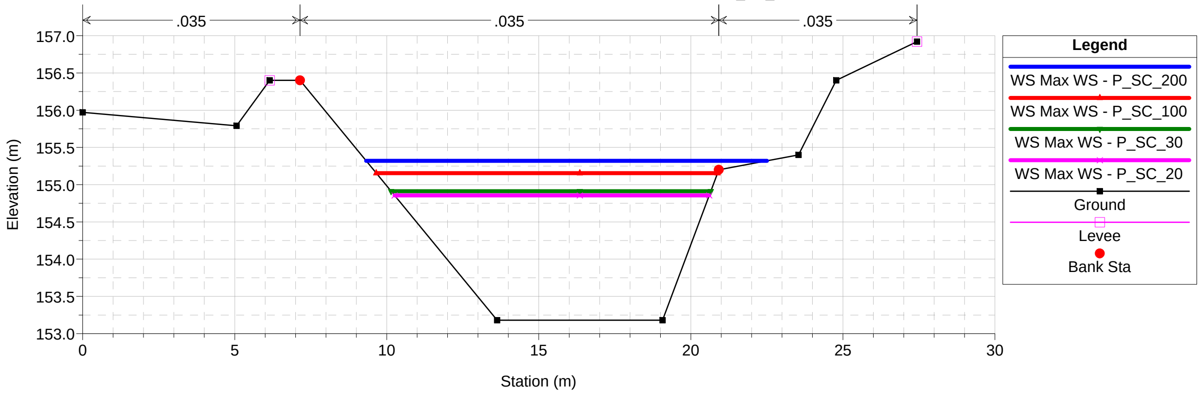
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 23.1 SA_PS_023.1



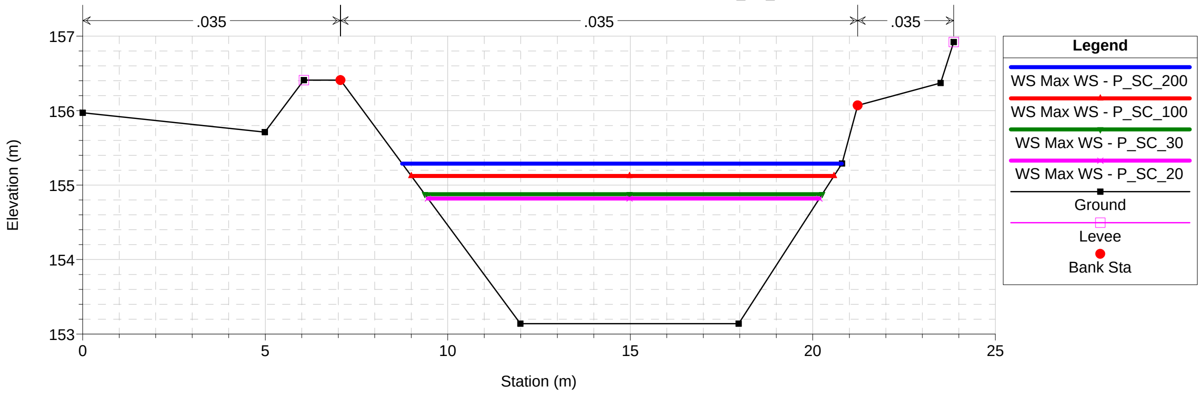
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 23 SA_PS_023



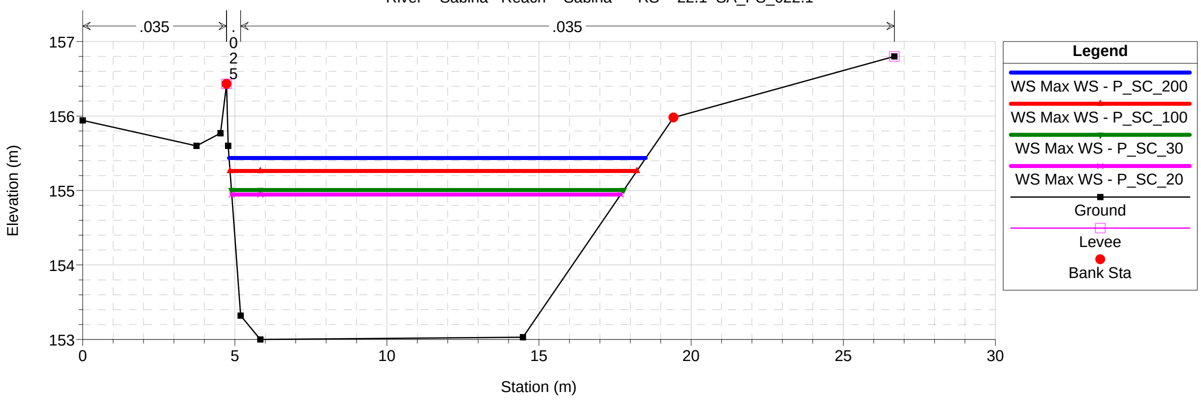
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 22.3 SA_PS_022.3



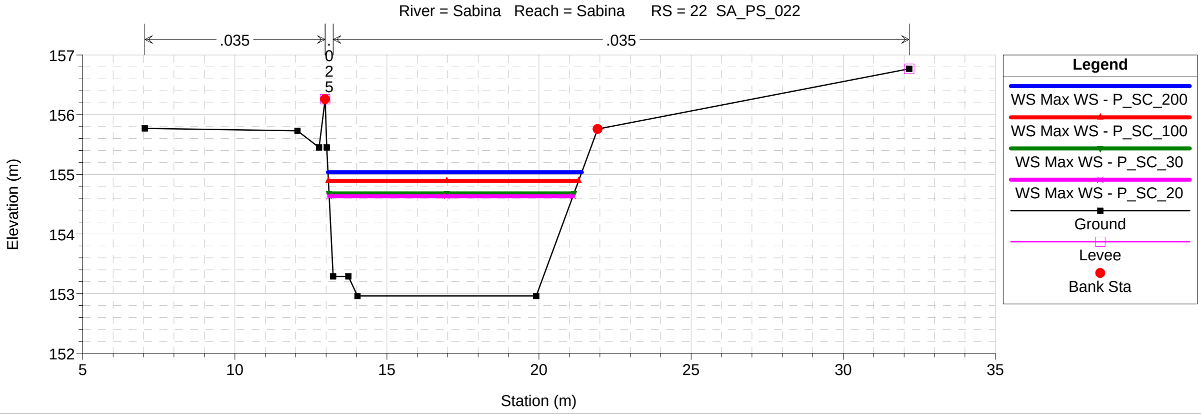
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 22.2 SA_PS_022.2

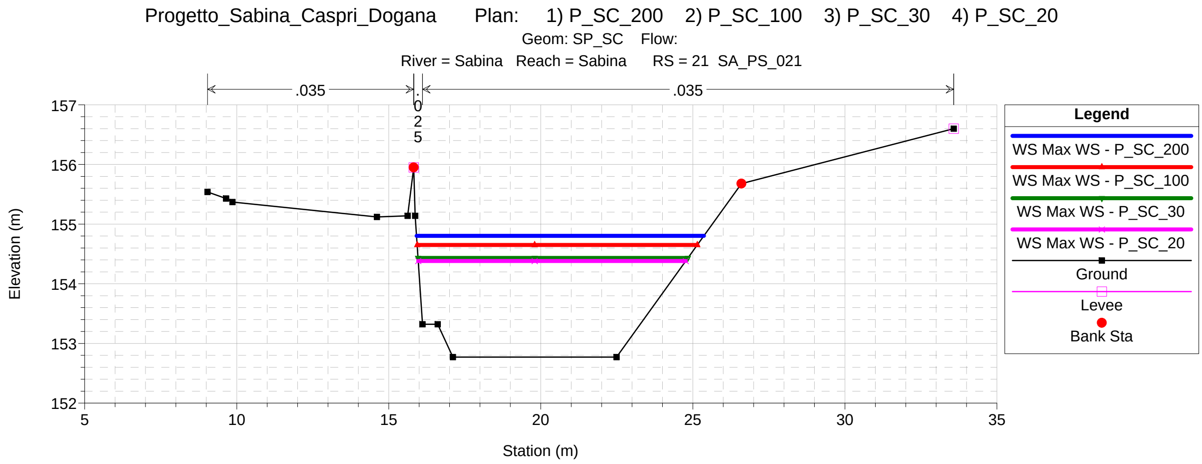


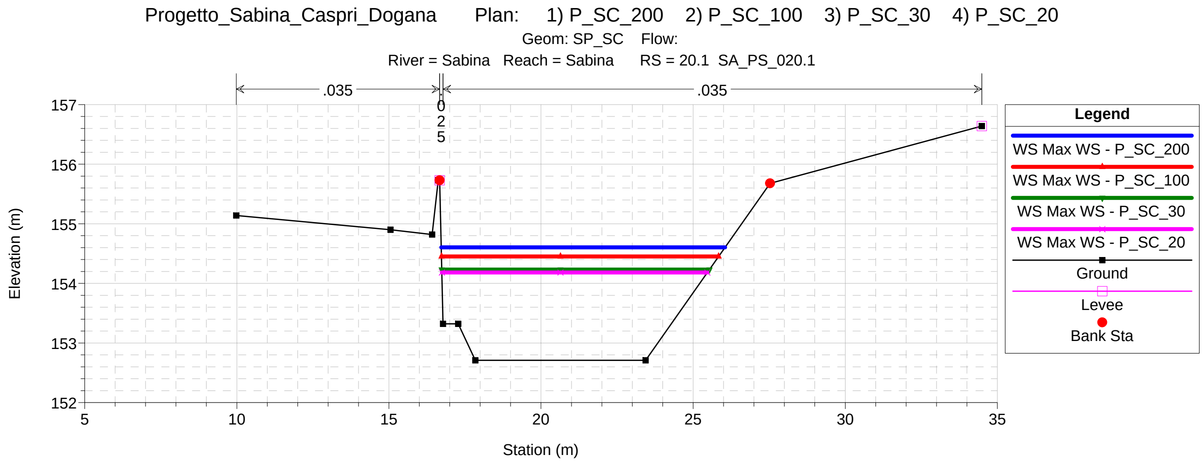
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 22.1 SA_PS_022.1

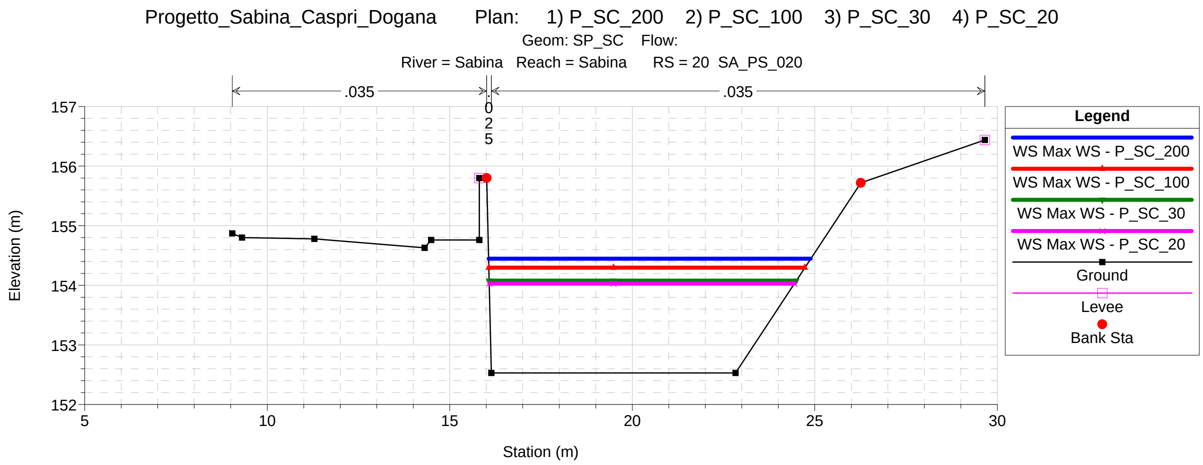


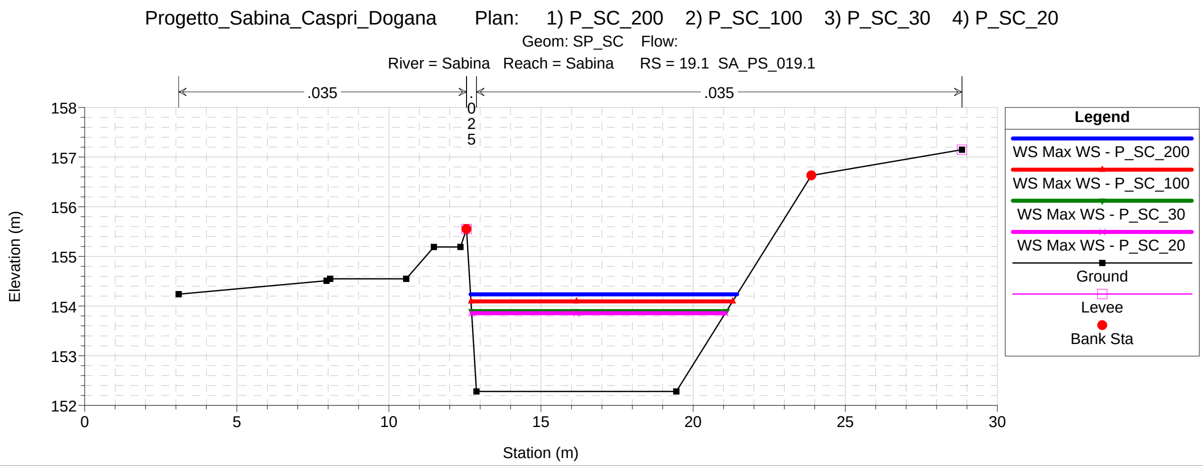
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 22 SA_PS_022

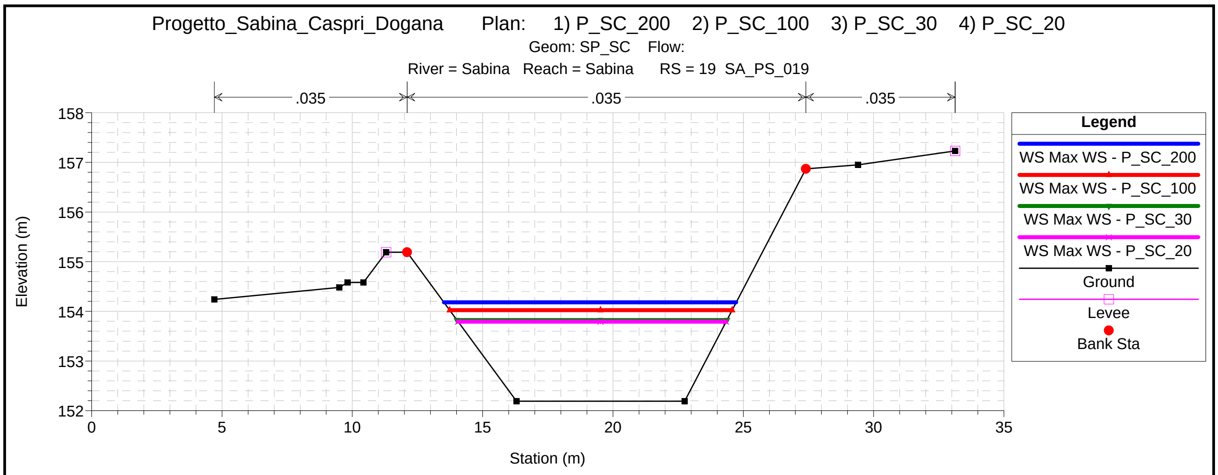



Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 21 SA_PS_021
.035
0
2
5
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

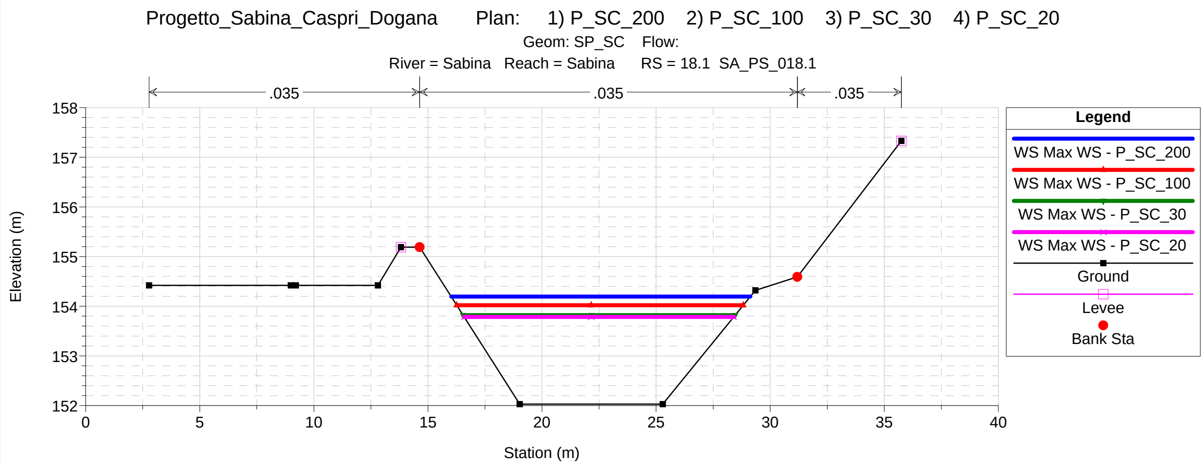

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 20.1 SA_PS_020.1
.035
0
2
5
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 20 SA_PS_020
.035
0
2
5
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

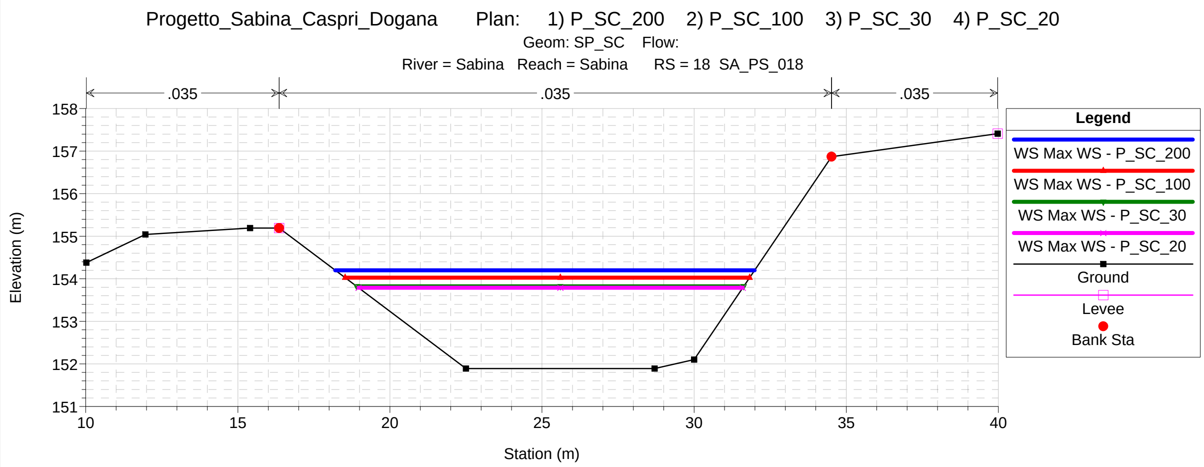

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 19.1 SA_PS_019.1
.035
0
2
5
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta



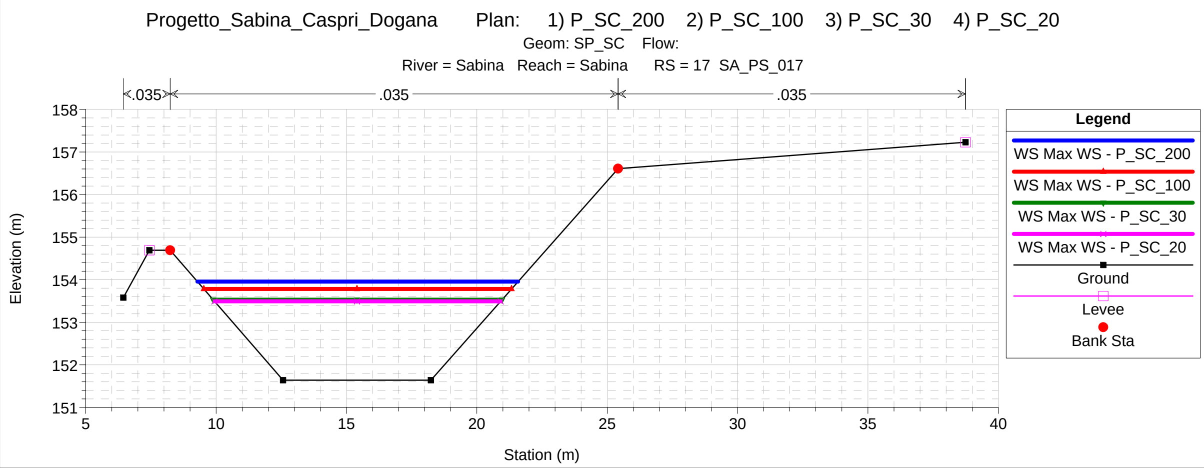
Progetto_Sabina_Caspri_Dogana   Plan: 1) P_SC_200   2) P_SC_100   3) P_SC_30   4) P_SC_20
Geom: SP_SC   Flow:
River = Sabina   Reach = Sabina   RS = 19 SA_PS_019
.035
.035
.035
Elevation (m)
158
157
156
155
154
153
152
0
5
10
15
20
25
30
35
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta



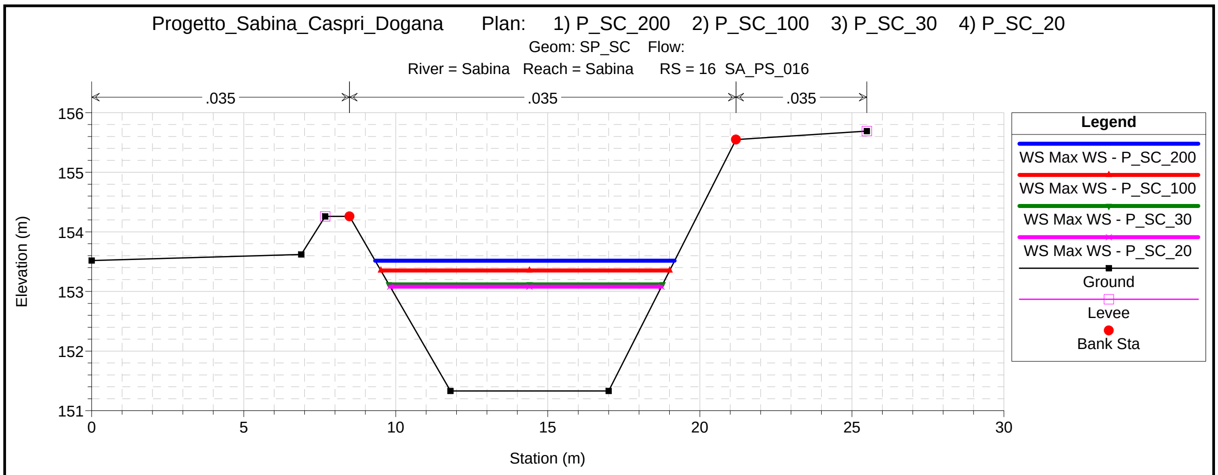
Progetto_Sabina_Caspri_Dogana   Plan: 1) P_SC_200   2) P_SC_100   3) P_SC_30   4) P_SC_20
Geom: SP_SC   Flow:
River = Sabina   Reach = Sabina   RS = 18.1 SA_PS_018.1
.035
.035
.035
Elevation (m)
158
157
156
155
154
153
152
0
5
10
15
20
25
30
35
40
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

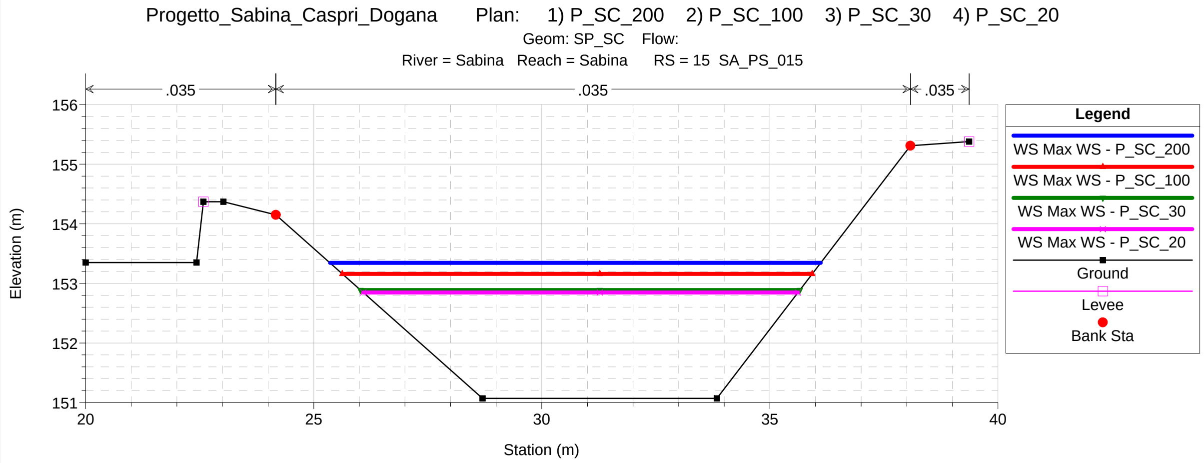


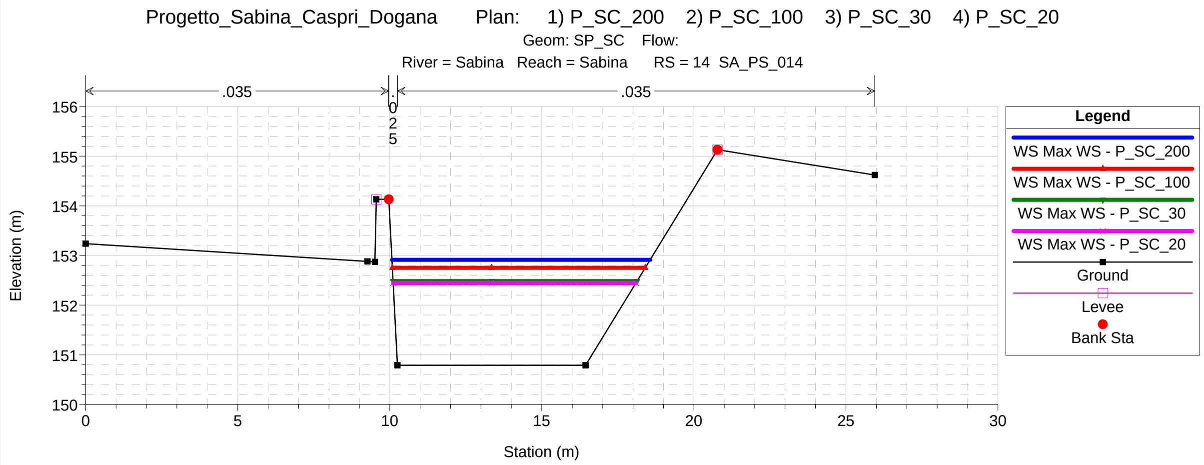
Progetto_Sabina_Caspri_Dogana   Plan: 1) P_SC_200   2) P_SC_100   3) P_SC_30   4) P_SC_20
Geom: SP_SC   Flow:
River = Sabina   Reach = Sabina   RS = 18 SA_PS_018
.035
.035
.035
Elevation (m)
158
157
156
155
154
153
152
151
10
15
20
25
30
35
40
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

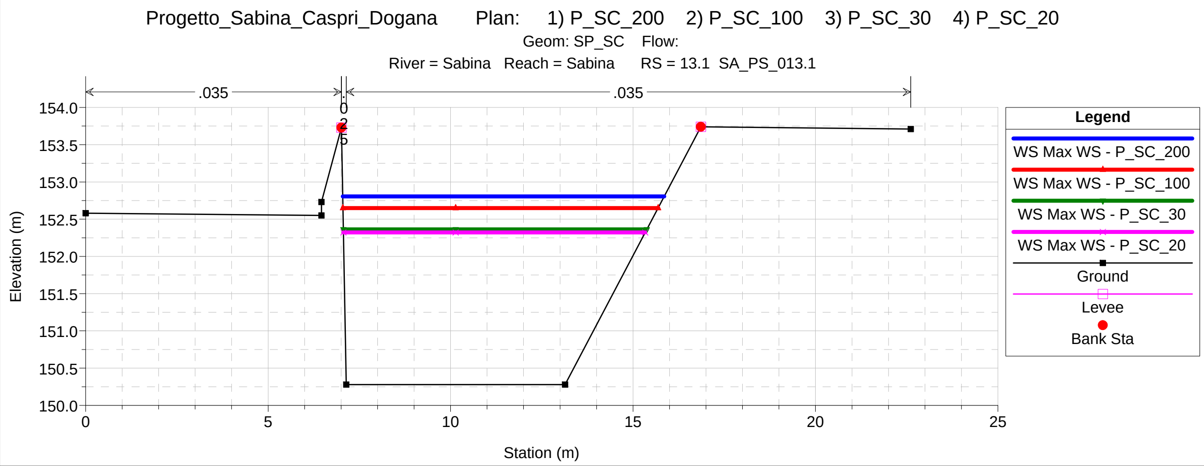


Progetto_Sabina_Caspri_Dogana   Plan: 1) P_SC_200   2) P_SC_100   3) P_SC_30   4) P_SC_20
Geom: SP_SC   Flow:
River = Sabina   Reach = Sabina   RS = 17 SA_PS_017
.035
.035
.035
Elevation (m)
158
157
156
155
154
153
152
151
5
10
15
20
25
30
35
40
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

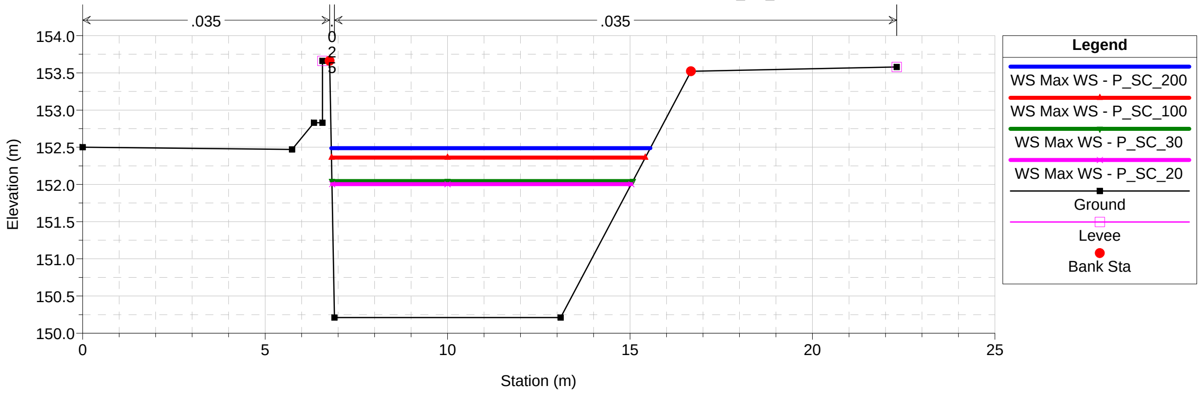

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 16 SA_PS_016
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 15 SA_PS_015
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

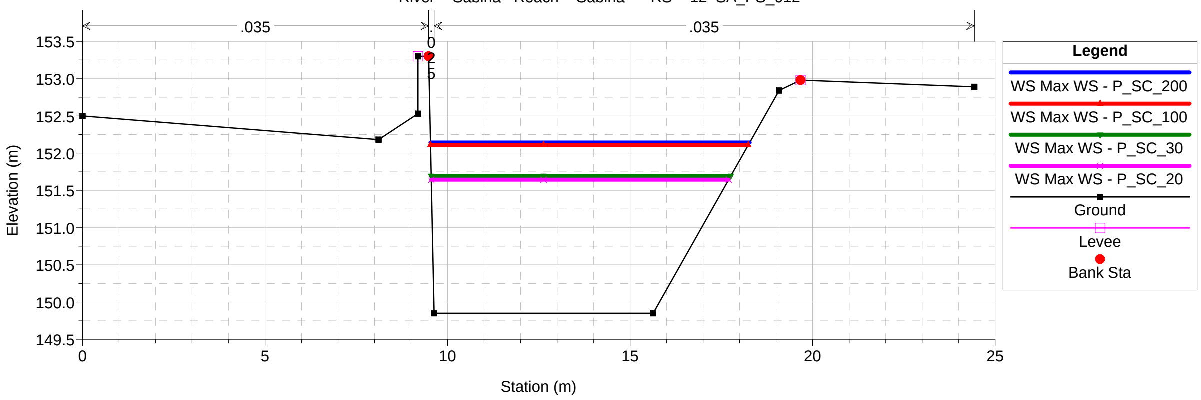

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 14 SA_PS_014
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 13.1 SA_PS_013.1
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

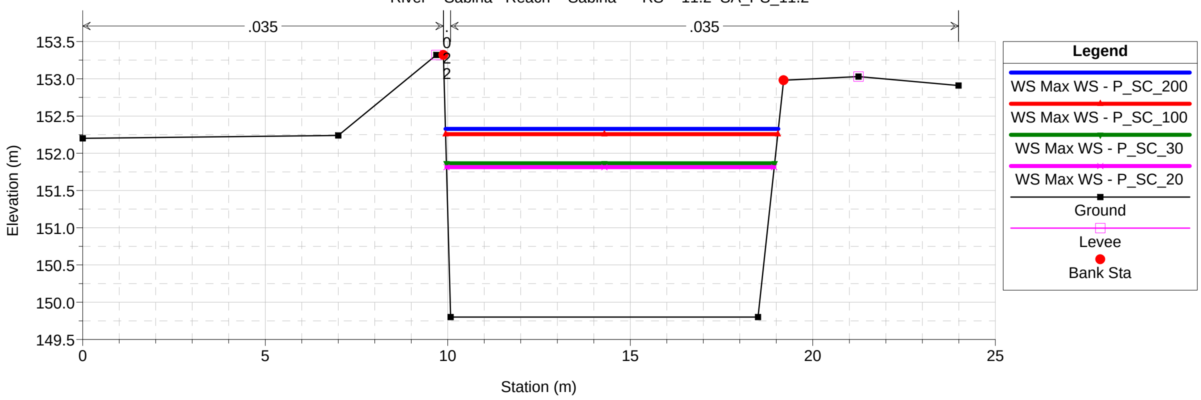
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 13 SA_PS_013



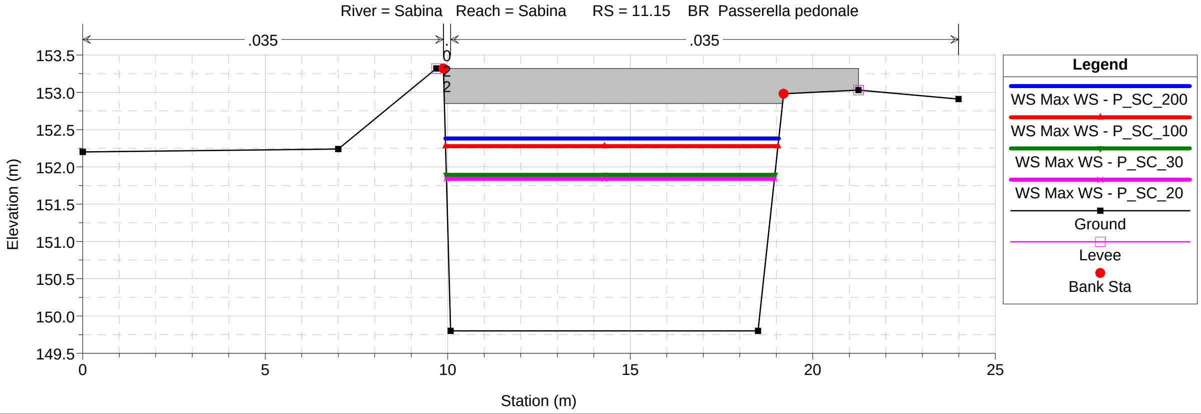
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 12 SA_PS_012

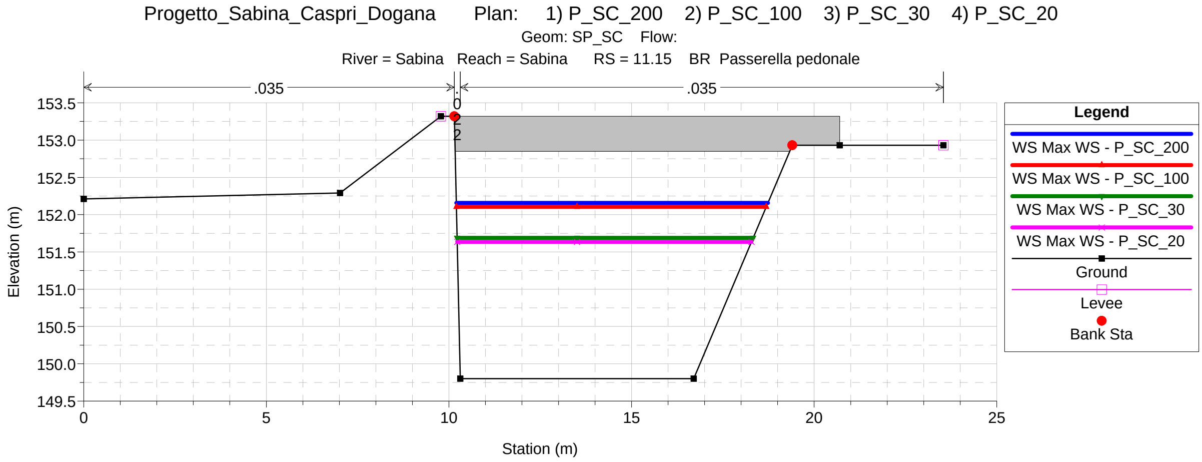


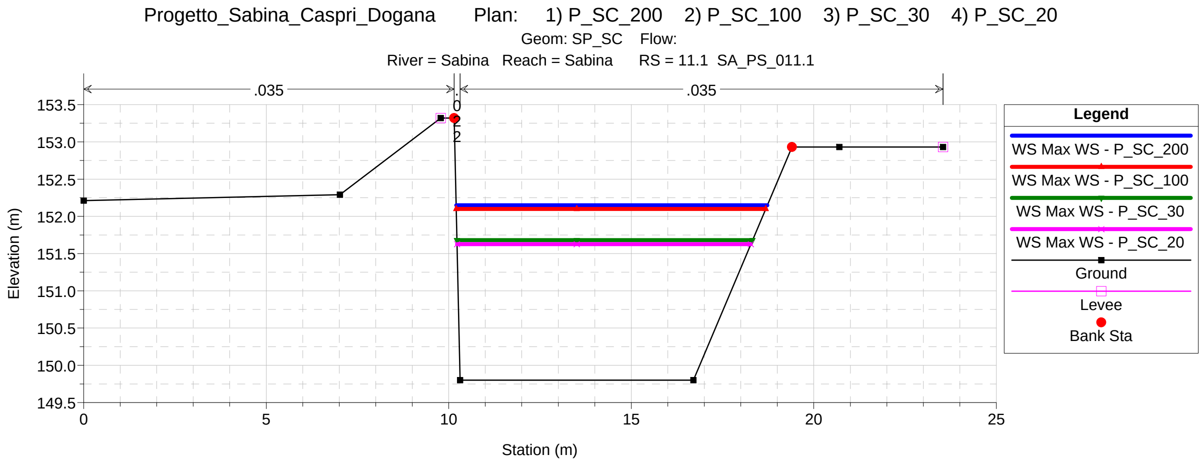
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 11.2 SA_PS_11.2

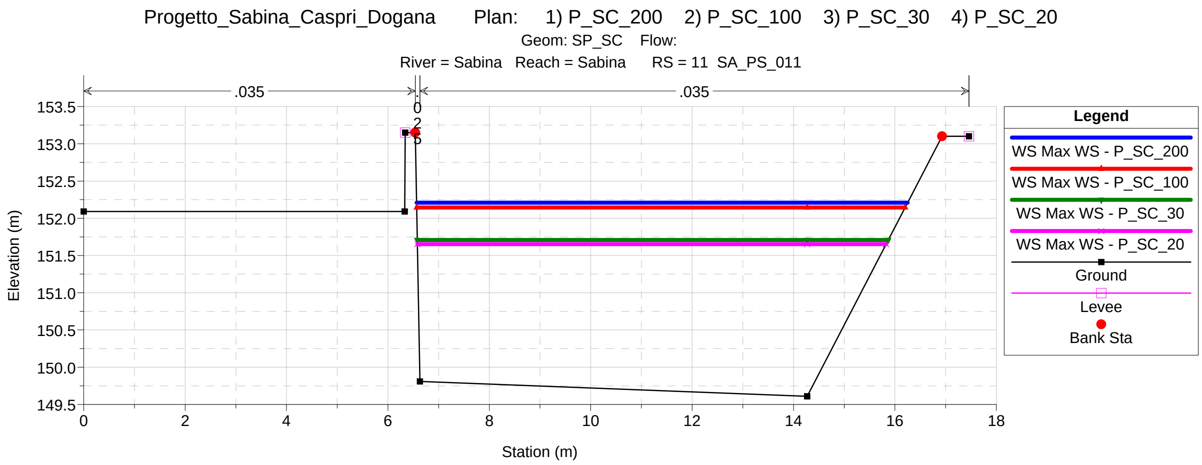


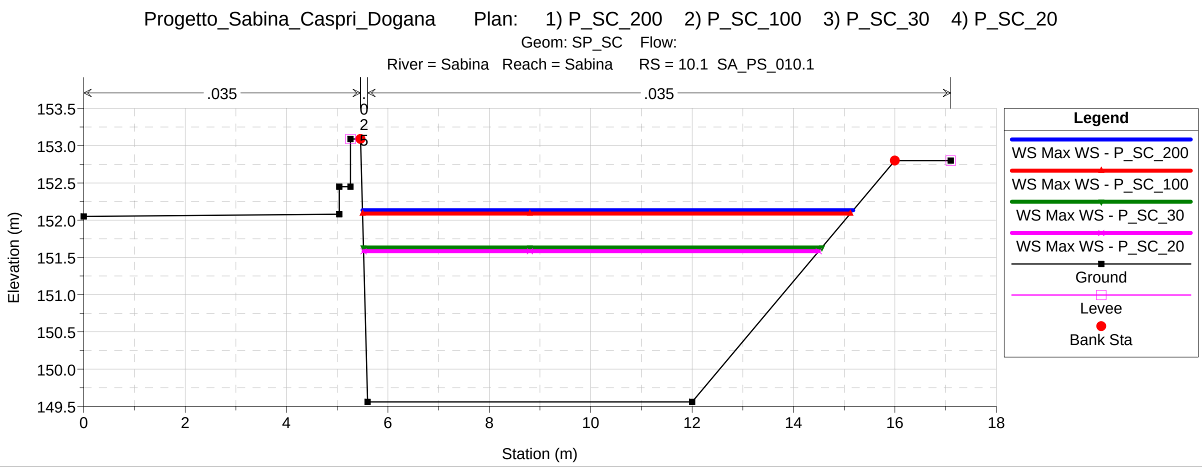
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 11.15 BR Passerella pedonale

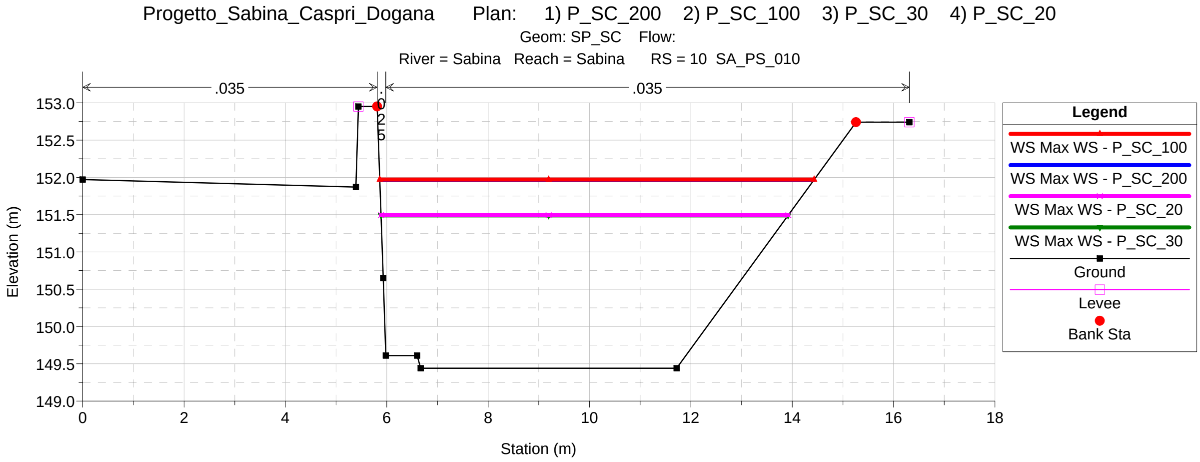


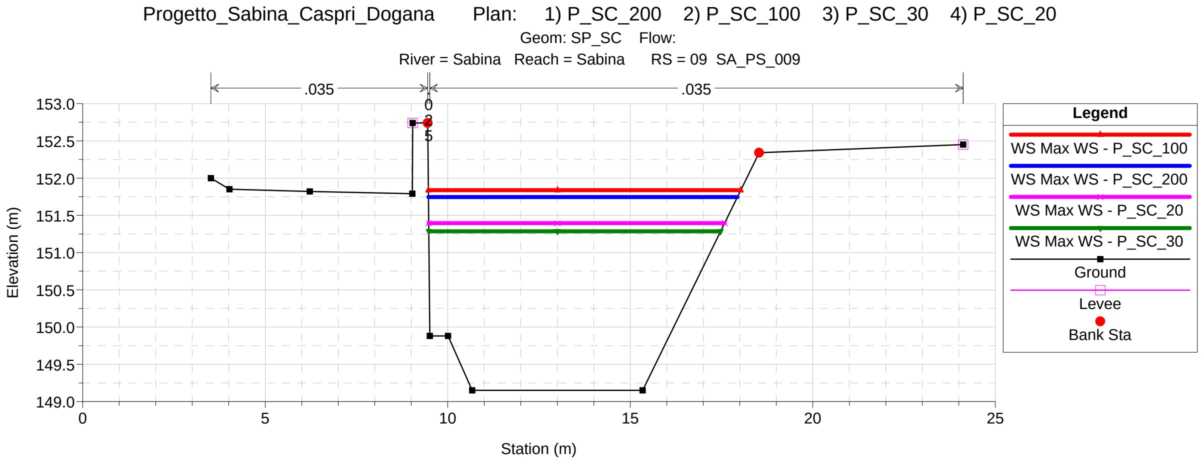

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 11.15 BR Passerella pedonale
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

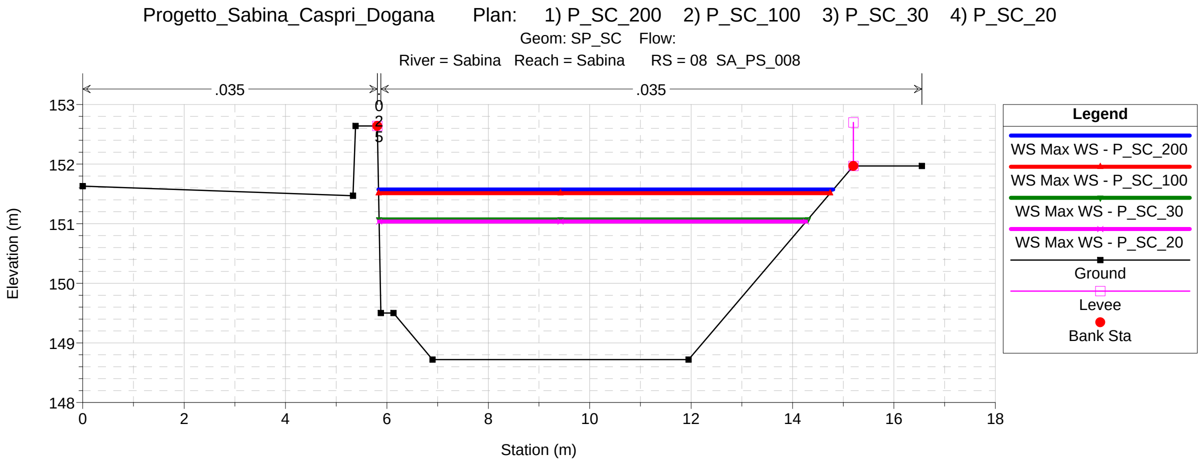

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 11.1 SA_PS_011.1
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

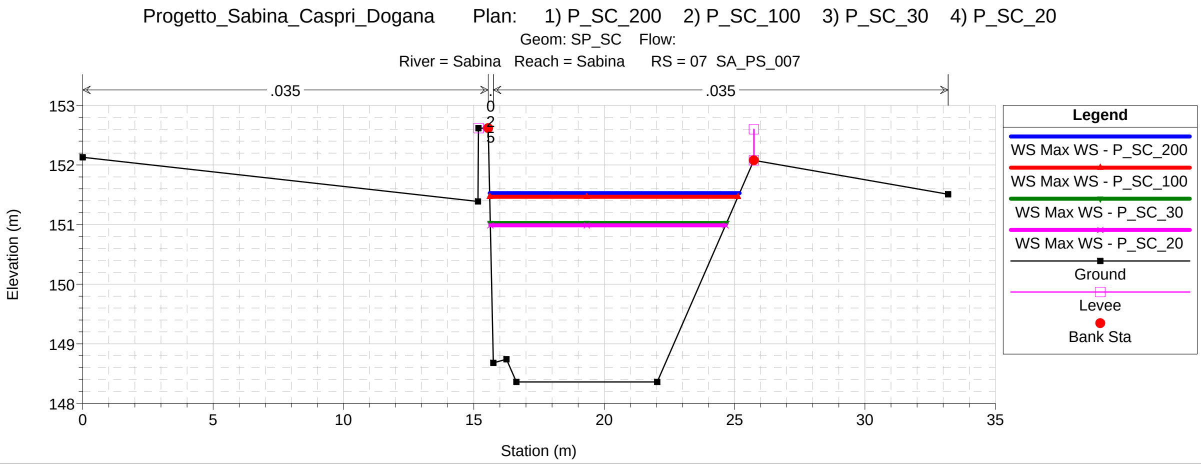

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 11 SA_PS_011
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

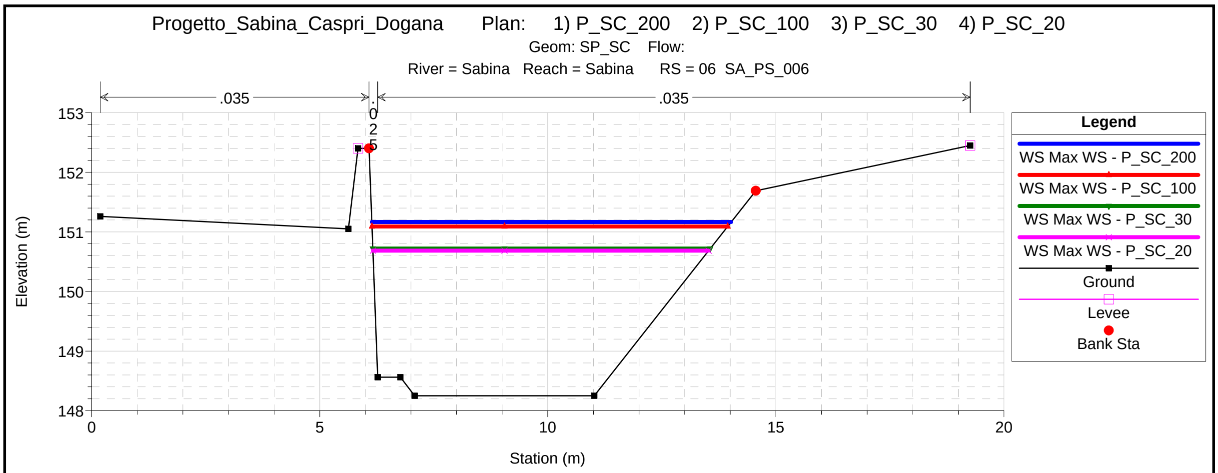

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 10.1 SA_PS_010.1
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

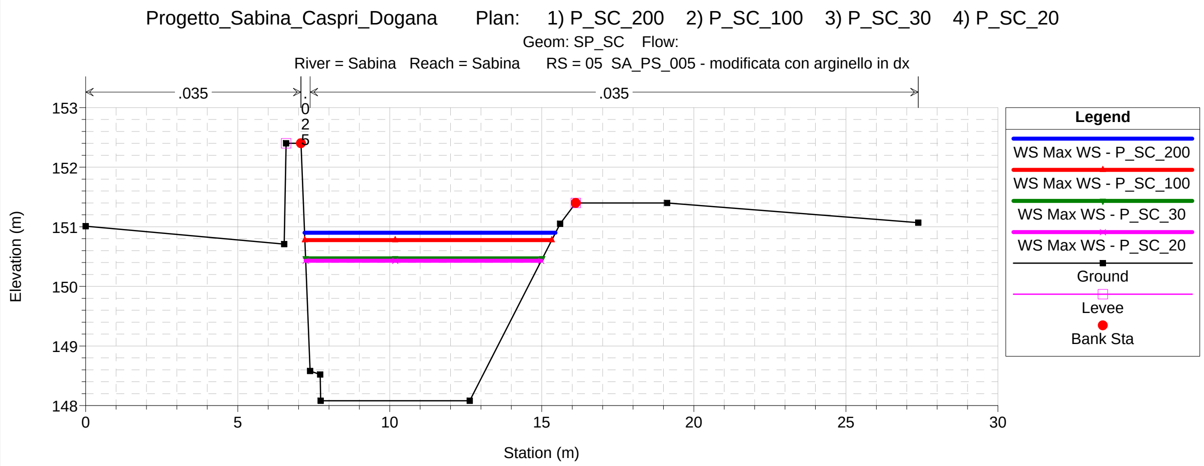

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 10 SA_PS_010
.035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_100
WS Max WS - P_SC_200
WS Max WS - P_SC_20
WS Max WS - P_SC_30
Ground
Levee
Bank Sta

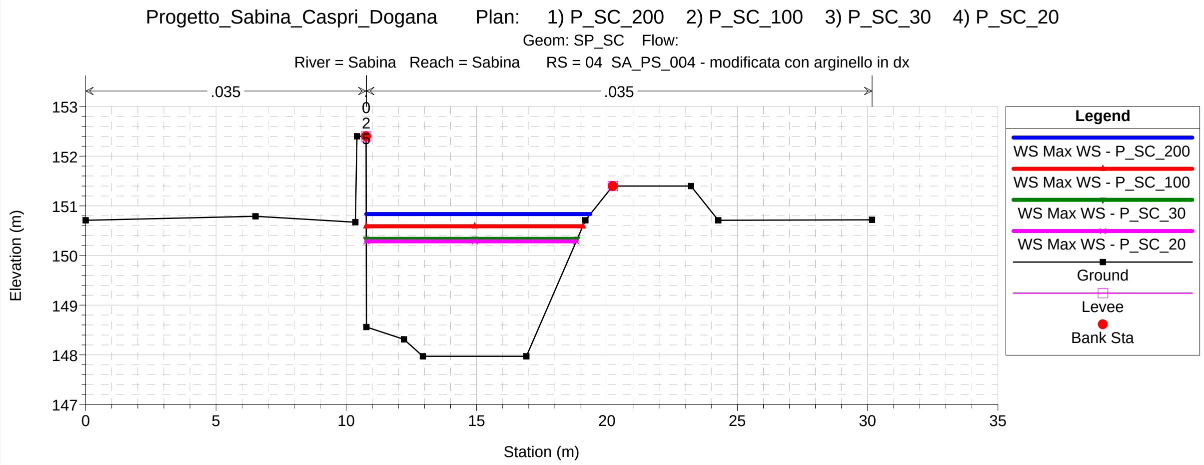

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 09 SA_PS_009
.035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_100
WS Max WS - P_SC_200
WS Max WS - P_SC_20
WS Max WS - P_SC_30
Ground
Levee
Bank Sta

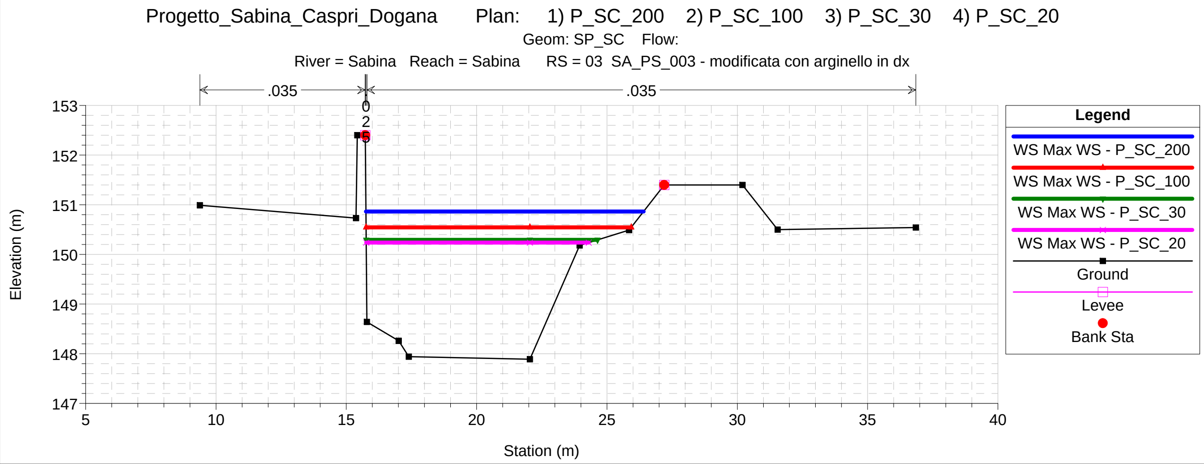

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 08 SA_PS_008
.035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

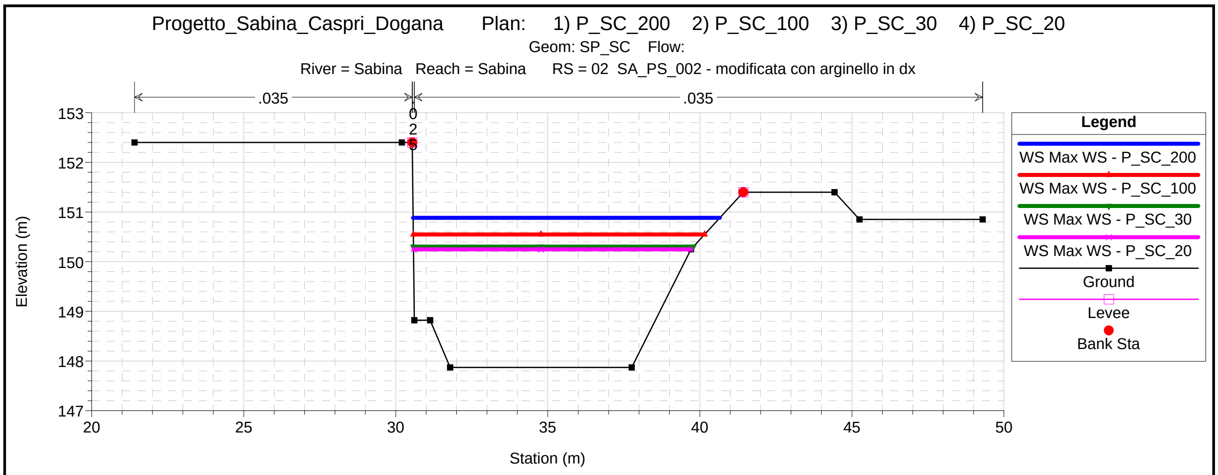

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 07 SA_PS_007
.035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 06 SA_PS_006
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 05 SA_PS_005 - modificata con arginello in dx
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 04 SA_PS_004 - modificata con arginello in dx
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 03 SA_PS_003 - modificata con arginello in dx
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)



Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Sabina Reach = Sabina RS = 02 SA_PS_002 - modificata con arginello in dx
.035
.035
0
2
5
Elevation (m)
153
152
151
150
149
148
147
20
25
30
35
40
45
50
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Cassa_Pestello	Max WS	P_SC_200	151.78	148.80	0.29	5.80	92.18
Cassa_Pestello	Max WS	P_SC_100	149.41	148.80	32.83	39.54	11.14
Cassa_Pestello	Max WS	P_SC_30	149.21	148.80	10.40	39.54	3.55
Cassa_Pestello	Max WS	P_SC_20	148.84	148.80	7.46	7.50	0.28

HEC-RAS River: Sabina Reach: Sabina Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Sabina	25	Max WS	P_SC_200	54.14	153.86	155.87	155.85	156.61	0.012386	3.81	14.21	9.28	0.98
Sabina	25	Max WS	P_SC_100	47.16	153.86	155.72	155.70	156.41	0.012505	3.68	12.83	8.95	0.98
Sabina	25	Max WS	P_SC_30	37.85	153.86	155.50	155.48	156.11	0.012732	3.47	10.90	8.47	0.98
Sabina	25	Max WS	P_SC_20	35.80	153.86	155.44	155.42	156.04	0.012819	3.43	10.45	8.36	0.98
Sabina	24	Max WS	P_SC_200	54.04	153.49	155.54	155.53	156.31	0.012942	3.90	13.87	8.79	0.99
Sabina	24	Max WS	P_SC_100	47.06	153.49	155.38	155.38	156.10	0.013205	3.76	12.51	8.62	1.00
Sabina	24	Max WS	P_SC_30	37.85	153.49	155.14	155.17	155.81	0.014281	3.61	10.47	8.36	1.03
Sabina	24	Max WS	P_SC_20	35.80	153.49	155.08	155.12	155.74	0.014624	3.58	10.00	8.30	1.04
Sabina	23.1	Max WS	P_SC_200	54.27	153.27	155.48		155.88	0.004848	2.81	19.33	11.44	0.69
Sabina	23.1	Max WS	P_SC_100	47.26	153.27	155.32		155.69	0.004861	2.69	17.54	11.22	0.69
Sabina	23.1	Max WS	P_SC_30	37.85	153.27	155.08		155.41	0.005112	2.56	14.81	10.87	0.70
Sabina	23.1	Max WS	P_SC_20	35.80	153.27	155.02		155.34	0.005194	2.52	14.18	10.79	0.70
Sabina	23	Max WS	P_SC_200	54.26	153.20	155.33	155.29	155.98	0.010019	3.66	15.68	11.44	0.87
Sabina	23	Max WS	P_SC_100	47.23	153.20	155.17	155.14	155.80	0.010428	3.56	13.95	10.75	0.88
Sabina	23	Max WS	P_SC_30	37.85	153.20	154.96	154.91	155.52	0.010478	3.33	11.76	10.31	0.87
Sabina	23	Max WS	P_SC_20	35.80	153.20	154.92	154.84	155.45	0.010408	3.27	11.29	10.22	0.87
Sabina	22.3	Max WS	P_SC_200	54.24	153.18	155.32		155.77	0.006744	2.95	18.45	13.18	0.75
Sabina	22.3	Max WS	P_SC_100	47.20	153.18	155.16		155.57	0.007020	2.87	16.46	11.23	0.76
Sabina	22.3	Max WS	P_SC_30	37.85	153.18	154.91		155.29	0.007348	2.74	13.82	10.51	0.76
Sabina	22.3	Max WS	P_SC_20	35.80	153.18	154.86		155.23	0.007405	2.70	13.24	10.35	0.76
Sabina	22.2	Max WS	P_SC_200	54.22	153.14	155.29		155.69	0.005891	2.80	19.36	12.05	0.71
Sabina	22.2	Max WS	P_SC_100	47.18	153.14	155.12		155.50	0.006003	2.71	17.40	11.58	0.71
Sabina	22.2	Max WS	P_SC_30	37.85	153.14	154.88		155.22	0.006256	2.58	14.65	10.89	0.71
Sabina	22.2	Max WS	P_SC_20	35.79	153.14	154.82		155.15	0.006320	2.55	14.04	10.73	0.71
Sabina	22.1	Max WS	P_SC_200	54.20	153.00	155.44		155.63	0.002156	1.96	27.62	13.70	0.44
Sabina	22.1	Max WS	P_SC_100	47.17	153.00	155.26		155.44	0.002108	1.87	25.29	13.38	0.43
Sabina	22.1	Max WS	P_SC_30	37.84	153.00	155.01		155.16	0.002056	1.73	21.92	12.90	0.42
Sabina	22.1	Max WS	P_SC_20	35.79	153.00	154.95		155.09	0.002042	1.69	21.15	12.79	0.42
Sabina	22	Max WS	P_SC_200	54.19	152.96	155.03		155.67	0.009161	3.53	15.34	8.35	0.83
Sabina	22	Max WS	P_SC_100	47.16	152.96	154.89		155.46	0.008787	3.34	14.14	8.23	0.81

HEC-RAS River: Sabina Reach: Sabina Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Sabina	22	Max WS	P_SC_30	37.84	152.96	154.68		155.15	0.008237	3.04	12.44	8.06	0.78
Sabina	22	Max WS	P_SC_20	35.79	152.96	154.63		155.08	0.008092	2.97	12.05	8.02	0.77
Sabina	21	Max WS	P_SC_200	54.18	152.77	154.80		155.42	0.009270	3.47	15.63	9.45	0.86
Sabina	21	Max WS	P_SC_100	47.16	152.77	154.65		155.21	0.009255	3.32	14.20	9.21	0.85
Sabina	21	Max WS	P_SC_30	37.84	152.77	154.43		154.92	0.009195	3.10	12.22	8.87	0.84
Sabina	21	Max WS	P_SC_20	35.79	152.77	154.38		154.85	0.009143	3.04	11.79	8.80	0.84
Sabina	20.1	Max WS	P_SC_200	54.17	152.71	154.61	154.54	155.30	0.011302	3.69	14.66	9.33	0.94
Sabina	20.1	Max WS	P_SC_100	47.16	152.71	154.45	154.39	155.10	0.011507	3.56	13.24	9.11	0.94
Sabina	20.1	Max WS	P_SC_30	37.84	152.71	154.23	154.18	154.81	0.011856	3.36	11.28	8.80	0.95
Sabina	20.1	Max WS	P_SC_20	35.79	152.71	154.18	154.14	154.74	0.011916	3.30	10.84	8.73	0.95
Sabina	20	Max WS	P_SC_200	54.17	152.53	154.45		155.12	0.010461	3.65	14.86	8.83	0.90
Sabina	20	Max WS	P_SC_100	47.16	152.53	154.29		154.91	0.010380	3.48	13.54	8.66	0.89
Sabina	20	Max WS	P_SC_30	37.84	152.53	154.08		154.61	0.010275	3.24	11.69	8.42	0.88
Sabina	20	Max WS	P_SC_20	35.79	152.53	154.03		154.54	0.010226	3.17	11.28	8.36	0.87
Sabina	19.1	Max WS	P_SC_200	54.17	152.28	154.24		154.90	0.009984	3.61	15.01	8.76	0.88
Sabina	19.1	Max WS	P_SC_100	47.16	152.28	154.10		154.69	0.009688	3.42	13.78	8.61	0.86
Sabina	19.1	Max WS	P_SC_30	37.84	152.28	153.90		154.40	0.009125	3.13	12.10	8.38	0.83
Sabina	19.1	Max WS	P_SC_20	34.99	152.28	153.86		154.31	0.008485	2.98	11.76	8.34	0.80
Sabina	19	Max WS	P_SC_200	54.17	152.19	154.18		154.66	0.007521	3.08	17.58	11.21	0.79
Sabina	19	Max WS	P_SC_100	47.15	152.19	154.02		154.47	0.007641	2.98	15.85	10.84	0.79
Sabina	19	Max WS	P_SC_30	34.89	152.19	153.82		154.15	0.006277	2.54	13.74	10.36	0.70
Sabina	19	Max WS	P_SC_20	33.36	152.19	153.79		154.11	0.006154	2.49	13.41	10.29	0.70
Sabina	18.1	Max WS	P_SC_200	54.16	152.03	154.19		154.53	0.004943	2.58	20.97	13.11	0.65
Sabina	18.1	Max WS	P_SC_100	47.15	152.03	154.02		154.34	0.005115	2.52	18.74	12.56	0.66
Sabina	18.1	Max WS	P_SC_30	34.48	152.03	153.82		154.05	0.004055	2.12	16.28	11.92	0.58
Sabina	18.1	Max WS	P_SC_20	32.68	152.03	153.79		154.00	0.003908	2.06	15.88	11.82	0.57
Sabina	18	Max WS	P_SC_200	54.16	151.89	154.20		154.46	0.003302	2.23	24.26	13.79	0.54
Sabina	18	Max WS	P_SC_100	47.15	151.89	154.03		154.26	0.003337	2.15	21.89	13.30	0.54
Sabina	18	Max WS	P_SC_30	34.48	151.89	153.82		153.99	0.002566	1.79	19.24	12.73	0.47
Sabina	18	Max WS	P_SC_20	32.68	151.89	153.79		153.94	0.002461	1.74	18.81	12.63	0.45

HEC-RAS River: Sabina Reach: Sabina Profile: Max WS (Continued)

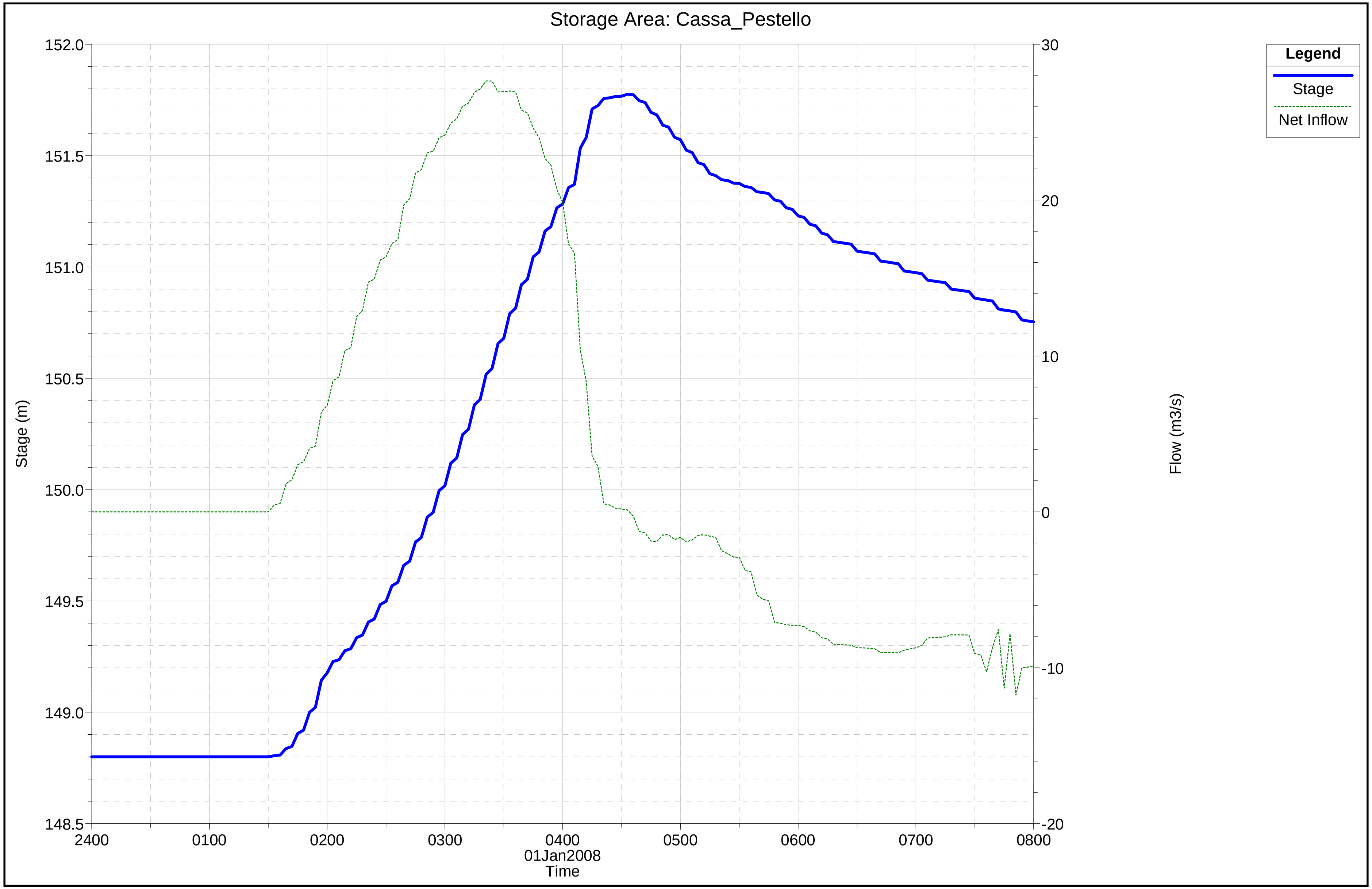
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Sabina	17	Max WS	P_SC_200	55.16	151.64	153.95		154.31	0.004965	2.65	20.80	12.30	0.65
Sabina	17	Max WS	P_SC_100	48.15	151.64	153.78		154.12	0.005071	2.57	18.71	11.80	0.65
Sabina	17	Max WS	P_SC_30	38.83	151.64	153.53		153.84	0.005240	2.45	15.84	11.09	0.65
Sabina	17	Max WS	P_SC_20	37.47	151.64	153.49		153.79	0.005277	2.43	15.40	10.97	0.66
Sabina	16	Max WS	P_SC_200	55.15	151.33	153.52		154.09	0.008644	3.35	16.44	9.85	0.83
Sabina	16	Max WS	P_SC_100	48.14	151.33	153.35		153.89	0.008718	3.24	14.86	9.50	0.83
Sabina	16	Max WS	P_SC_30	38.83	151.33	153.12		153.59	0.008809	3.06	12.70	9.00	0.82
Sabina	16	Max WS	P_SC_20	37.47	151.33	153.08		153.55	0.008827	3.03	12.37	8.92	0.82
Sabina	15	Max WS	P_SC_200	55.15	151.07	153.34		153.82	0.006910	3.05	18.07	10.76	0.75
Sabina	15	Max WS	P_SC_100	48.14	151.07	153.16		153.61	0.007188	2.98	16.14	10.30	0.76
Sabina	15	Max WS	P_SC_30	38.83	151.07	152.89		153.31	0.007801	2.89	13.43	9.63	0.78
Sabina	15	Max WS	P_SC_20	37.46	151.07	152.85		153.27	0.007875	2.87	13.04	9.53	0.78
Sabina	14	Max WS	P_SC_200	54.98	150.79	152.91		153.55	0.008987	3.53	15.58	8.49	0.83
Sabina	14	Max WS	P_SC_100	48.13	150.79	152.75		153.33	0.008936	3.38	14.23	8.32	0.83
Sabina	14	Max WS	P_SC_30	38.83	150.79	152.48		153.01	0.009420	3.22	12.05	8.03	0.84
Sabina	14	Max WS	P_SC_20	37.45	150.79	152.45		152.96	0.009463	3.19	11.73	7.98	0.84
Sabina	13.1	Max WS	P_SC_200	54.73	150.28	152.81		153.24	0.005316	2.93	18.70	8.81	0.64
Sabina	13.1	Max WS	P_SC_100	48.10	150.28	152.65		153.04	0.005082	2.77	17.34	8.64	0.62
Sabina	13.1	Max WS	P_SC_30	38.82	150.28	152.36		152.71	0.005083	2.60	14.91	8.32	0.62
Sabina	13.1	Max WS	P_SC_20	37.45	150.28	152.32		152.66	0.005049	2.57	14.57	8.27	0.62
Sabina	13	Max WS	P_SC_200	54.54	150.21	152.49		153.01	0.006965	3.20	17.02	8.74	0.73
Sabina	13	Max WS	P_SC_100	48.04	150.21	152.36		152.82	0.006546	3.02	15.91	8.60	0.71
Sabina	13	Max WS	P_SC_30	38.80	150.21	152.05		152.48	0.007206	2.93	13.26	8.25	0.74
Sabina	13	Max WS	P_SC_20	37.45	150.21	152.01		152.43	0.007228	2.90	12.93	8.20	0.74
Sabina	12	Max WS	P_SC_200	54.58	149.85	152.14		152.67	0.007109	3.23	16.90	8.74	0.74
Sabina	12	Max WS	P_SC_100	48.03	149.85	152.11		152.54	0.005770	2.89	16.62	8.71	0.67
Sabina	12	Max WS	P_SC_30	38.74	149.85	151.70		152.14	0.007391	2.96	13.11	8.21	0.75
Sabina	12	Max WS	P_SC_20	37.44	149.85	151.64		152.09	0.007591	2.95	12.68	8.15	0.76
Sabina	11.2	Max WS	P_SC_200	54.57	149.80	152.33	151.41	152.64	0.003377	2.46	22.16	9.12	0.50

HEC-RAS River: Sabina Reach: Sabina Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Sabina	11.2	Max WS	P_SC_100	48.03	149.80	152.26	151.28	152.51	0.002850	2.23	21.52	9.10	0.46
Sabina	11.2	Max WS	P_SC_30	38.78	149.80	151.86	151.08	152.10	0.003170	2.16	17.97	8.99	0.49
Sabina	11.2	Max WS	P_SC_20	37.45	149.80	151.81	151.05	152.05	0.003195	2.14	17.51	8.98	0.49
Sabina	11.15			Bridge									
Sabina	11.1	Max WS	P_SC_200	55.12	149.80	152.15		152.65	0.006253	3.15	17.52	8.52	0.70
Sabina	11.1	Max WS	P_SC_100	48.03	149.80	152.10		152.50	0.005096	2.81	17.09	8.48	0.63
Sabina	11.1	Max WS	P_SC_30	38.73	149.80	151.68		152.09	0.006406	2.85	13.61	8.10	0.70
Sabina	11.1	Max WS	P_SC_20	37.44	149.80	151.63		152.04	0.006573	2.84	13.19	8.05	0.71
Sabina	11.09			Lat Struct									
Sabina	11.08			Lat Struct									
Sabina	11	Max WS	P_SC_200	55.12	149.61	152.21		152.54	0.003705	2.53	21.75	9.69	0.54
Sabina	11	Max WS	P_SC_100	48.03	149.61	152.14		152.41	0.003059	2.27	21.13	9.63	0.49
Sabina	11	Max WS	P_SC_30	38.73	149.61	151.71		151.97	0.003742	2.28	17.00	9.29	0.54
Sabina	11	Max WS	P_SC_20	37.44	149.61	151.65		151.92	0.003838	2.27	16.48	9.25	0.54
Sabina	10.1	Max WS	P_SC_200	55.11	149.56	152.13		152.50	0.004224	2.66	20.69	9.68	0.58
Sabina	10.1	Max WS	P_SC_100	48.02	149.56	152.09		152.37	0.003407	2.37	20.25	9.62	0.52
Sabina	10.1	Max WS	P_SC_30	38.71	149.56	151.63		151.93	0.004315	2.42	16.01	9.04	0.58
Sabina	10.1	Max WS	P_SC_20	32.45	149.56	151.58		151.81	0.003291	2.09	15.56	8.98	0.51
Sabina	10	Max WS	P_SC_200	54.96	149.44	151.96		152.44	0.005995	3.07	17.92	8.56	0.68
Sabina	10	Max WS	P_SC_100	48.02	149.44	151.97		152.33	0.004532	2.67	17.98	8.57	0.59
Sabina	10	Max WS	P_SC_30	38.41	149.44	151.49		151.87	0.005883	2.74	14.00	8.03	0.66
Sabina	10	Max WS	P_SC_20	32.01	149.44	151.49		151.76	0.004060	2.28	14.03	8.04	0.55
Sabina	09	Max WS	P_SC_200	50.22	149.15	151.75		152.15	0.004974	2.80	17.94	8.47	0.61
Sabina	09	Max WS	P_SC_100	48.00	149.15	151.84		152.17	0.004034	2.57	18.71	8.56	0.55
Sabina	09	Max WS	P_SC_30	37.65	149.15	151.29		151.65	0.005485	2.66	14.14	7.99	0.64
Sabina	09	Max WS	P_SC_20	30.64	149.15	151.40		151.61	0.003050	2.04	15.04	8.11	0.48
Sabina	08	Max WS	P_SC_200	55.47	148.72	151.57		151.93	0.003947	2.65	20.94	8.97	0.55
Sabina	08	Max WS	P_SC_100	54.09	148.72	151.51		151.87	0.004038	2.65	20.40	8.91	0.56

HEC-RAS River: Sabina Reach: Sabina Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Sabina	08	Max WS	P_SC_30	39.85	148.72	151.07		151.37	0.003931	2.40	16.58	8.46	0.55
Sabina	08	Max WS	P_SC_20	38.90	148.72	151.04		151.33	0.003947	2.39	16.28	8.42	0.55
Sabina	07	Max WS	P_SC_200	55.45	148.36	151.53		151.78	0.002468	2.23	24.88	9.59	0.44
Sabina	07	Max WS	P_SC_100	54.08	148.36	151.47		151.72	0.002512	2.23	24.28	9.52	0.45
Sabina	07	Max WS	P_SC_30	39.85	148.36	151.03		151.22	0.002292	1.98	20.17	9.06	0.42
Sabina	07	Max WS	P_SC_20	38.90	148.36	150.99		151.18	0.002288	1.96	19.84	9.02	0.42
Sabina	06	Max WS	P_SC_200	55.32	148.25	151.17		151.64	0.005537	3.04	18.20	7.88	0.64
Sabina	06	Max WS	P_SC_100	54.05	148.25	151.09		151.57	0.005783	3.07	17.61	7.80	0.65
Sabina	06	Max WS	P_SC_30	39.81	148.25	150.72		151.09	0.005082	2.69	14.78	7.40	0.61
Sabina	06	Max WS	P_SC_20	38.89	148.25	150.68		151.05	0.005097	2.68	14.52	7.36	0.61
Sabina	05	Max WS	P_SC_200	53.29	148.08	150.90		151.31	0.004822	2.83	18.84	8.25	0.60
Sabina	05	Max WS	P_SC_100	53.41	148.08	150.78		151.23	0.005646	3.00	17.83	8.12	0.65
Sabina	05	Max WS	P_SC_30	39.46	148.08	150.47		150.81	0.004660	2.57	15.38	7.79	0.58
Sabina	05	Max WS	P_SC_20	38.73	148.08	150.43		150.77	0.004750	2.57	15.08	7.75	0.59
Sabina	04	Max WS	P_SC_200	32.41	147.97	150.84		150.97	0.001469	1.60	20.20	8.60	0.33
Sabina	04	Max WS	P_SC_100	52.52	147.97	150.59		151.02	0.005184	2.90	18.14	8.31	0.63
Sabina	04	Max WS	P_SC_30	38.52	147.97	150.34		150.63	0.003947	2.40	16.05	8.10	0.54
Sabina	04	Max WS	P_SC_20	38.49	147.97	150.29		150.60	0.004227	2.46	15.66	8.06	0.56
Sabina	03	Max WS	P_SC_200	30.62	147.89	150.87		150.96	0.001154	1.37	22.36	10.65	0.30
Sabina	03	Max WS	P_SC_100	51.80	147.89	150.55		150.92	0.005228	2.72	19.03	10.17	0.64
Sabina	03	Max WS	P_SC_30	38.29	147.89	150.29		150.56	0.003813	2.31	16.60	8.88	0.54
Sabina	03	Max WS	P_SC_20	38.34	147.89	150.24		150.53	0.004026	2.38	16.12	8.54	0.55
Sabina	02	Max WS	P_SC_200	29.06	147.87	150.88		150.95	0.000735	1.18	24.63	10.09	0.24
Sabina	02	Max WS	P_SC_100	51.80	147.87	150.55		150.85	0.003461	2.43	21.35	9.58	0.52
Sabina	02	Max WS	P_SC_30	38.33	147.87	150.30		150.51	0.002603	2.01	19.03	9.21	0.45
Sabina	02	Max WS	P_SC_20	38.34	147.87	150.25		150.47	0.002798	2.07	18.54	9.13	0.46


Storage Area: Cassa_Pestello
Stage (m)
152.0
151.5
151.0
150.5
150.0
149.5
149.0
148.5
Flow (m3/s)
30
20
10
0
-10
-20
2400
0100
0200
0300
0400
0500
0600
0700
0800
01Jan2008
Time
Legend
Stage
Net Inflow

borro del Caspri - stato di progetto

<u>verifiche con Tpioggia critico per il Borro del Caspri</u>

- moto vario

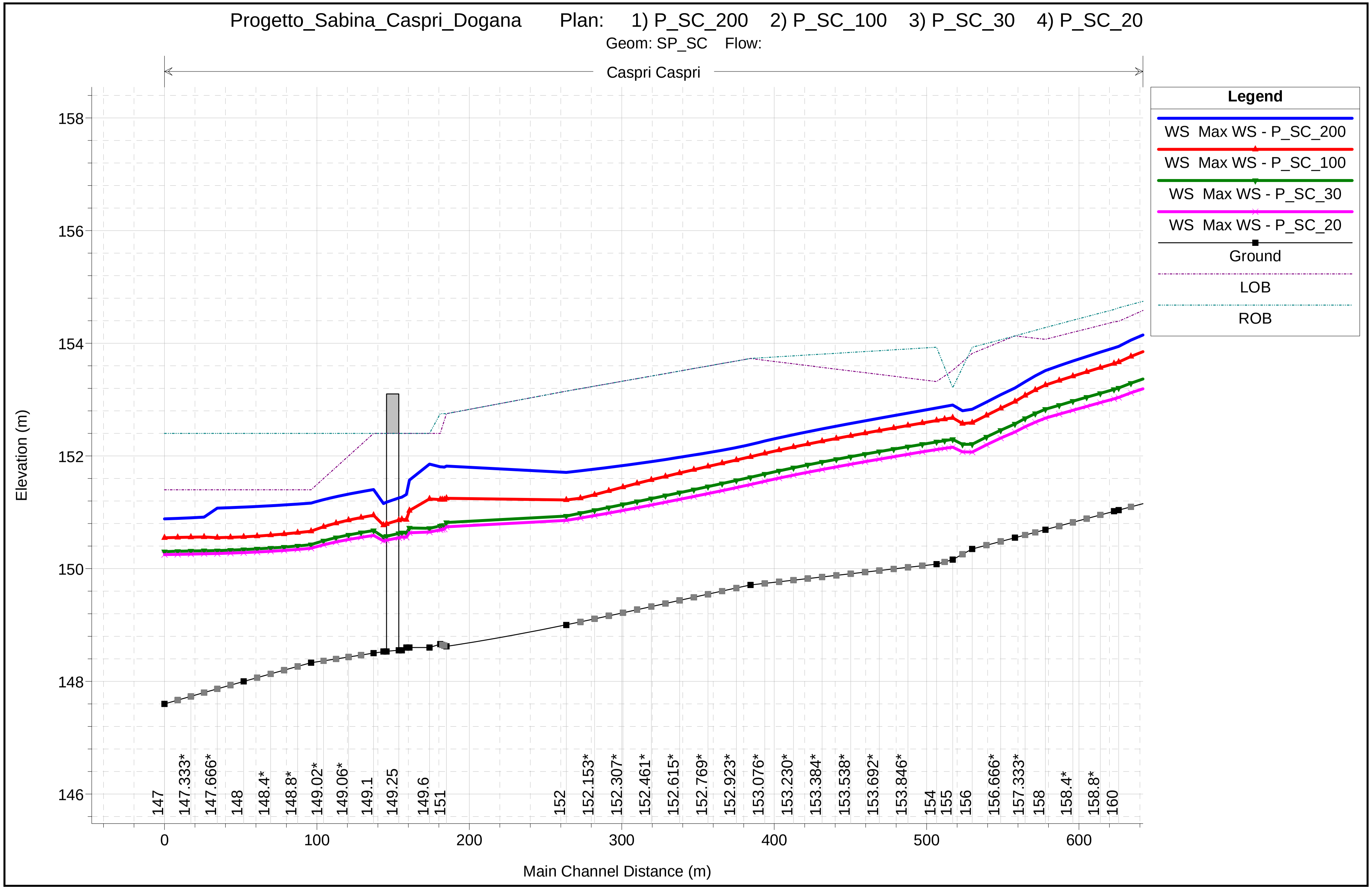
  Tr=200, 100, 30 e 20 anni

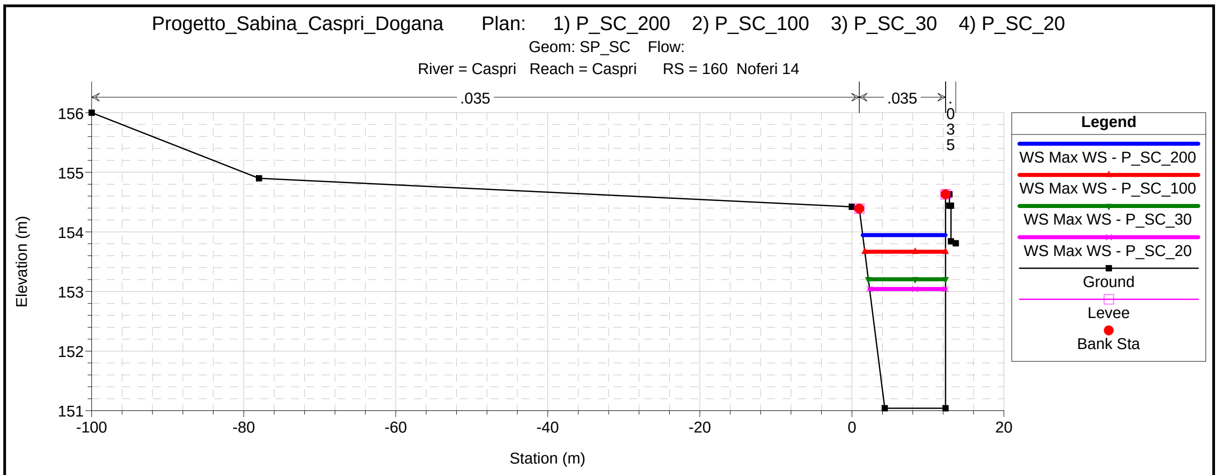
  profilo

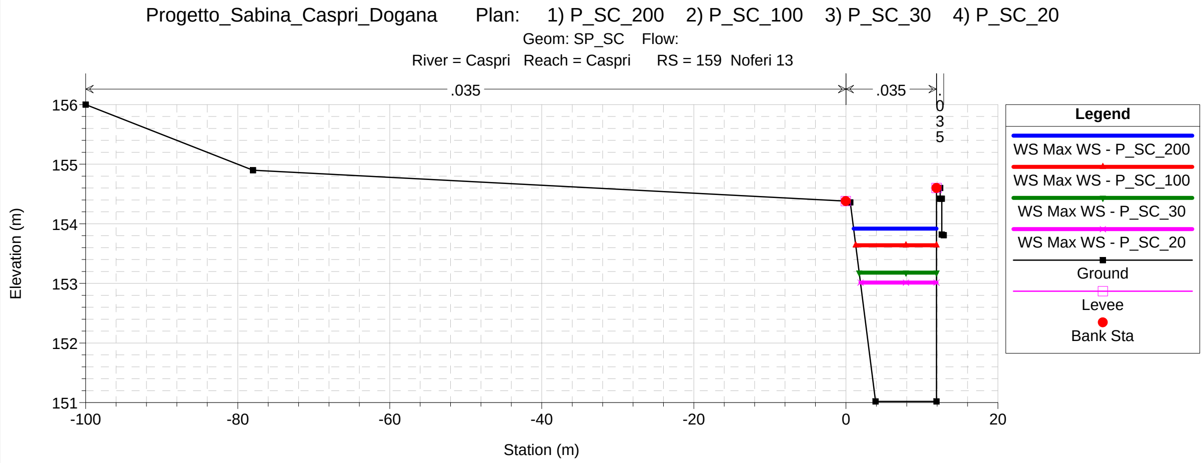
  livelli idrici nelle sezioni di verifica

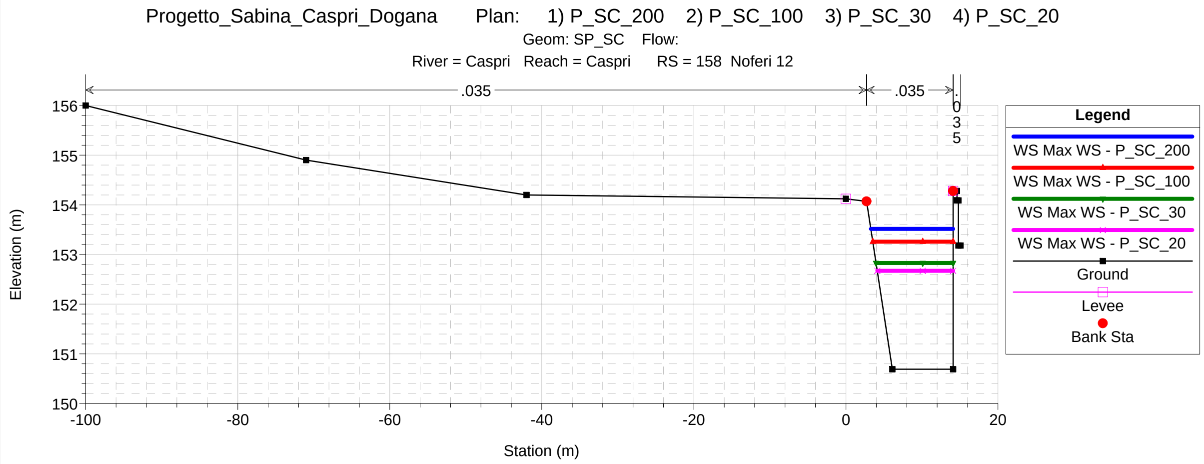
  tabella di output del software Hec-ras 4.0

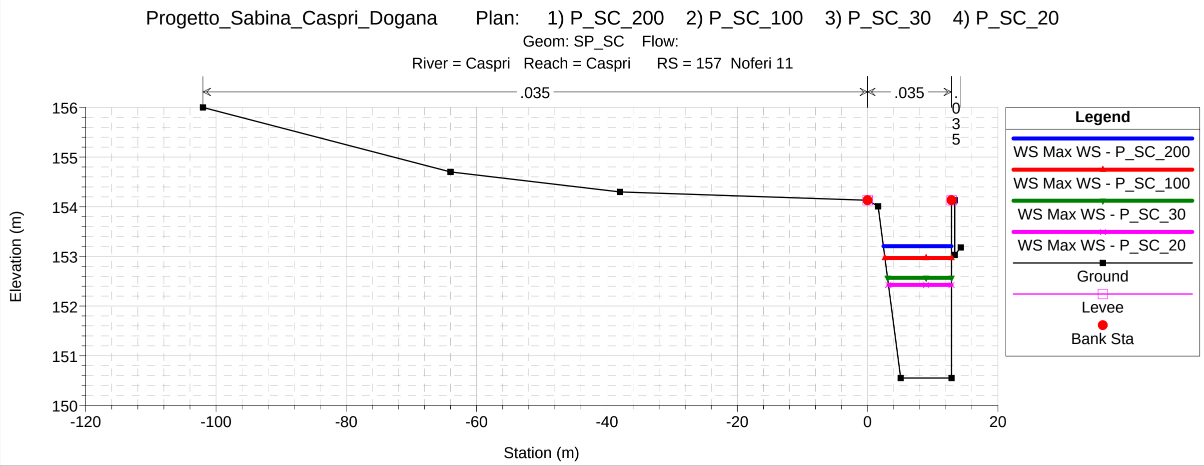
  livelli e portate in ingresso alle aree di accumulo

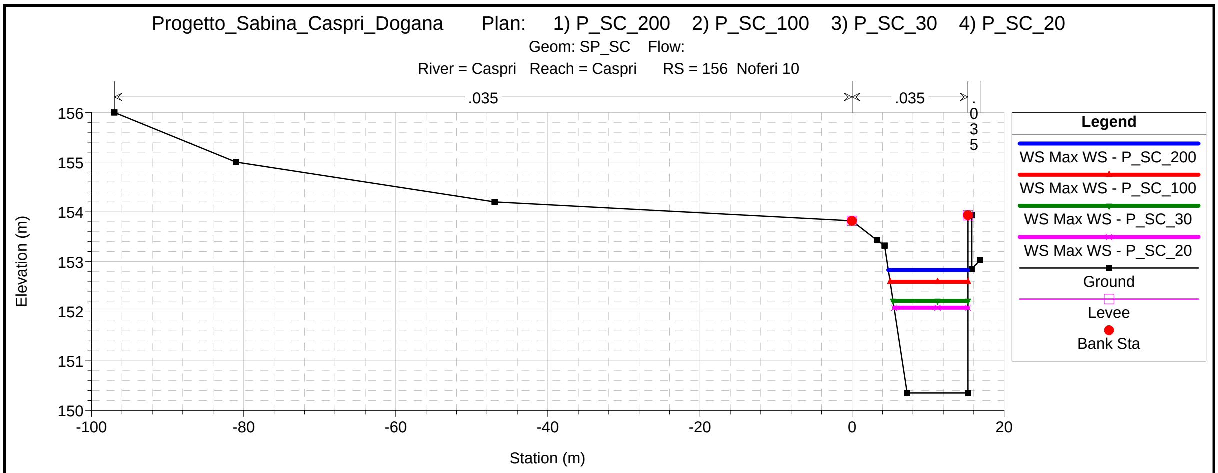

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
Caspri Caspri
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
LOB
ROB
Elevation (m)
158
156
154
152
150
148
146
147
147.333*
147.666*
148
148.4*
148.8*
149.02*
149.06*
149.1
149.25
149.6
151
152
152.153*
152.307*
152.461*
152.615*
152.769*
152.923*
153.076*
153.230*
153.384*
153.538*
153.692*
153.846*
154
155
156
156.666*
157.333*
158
158.4*
158.8*
160
0
100
200
300
400
500
600
Main Channel Distance (m)

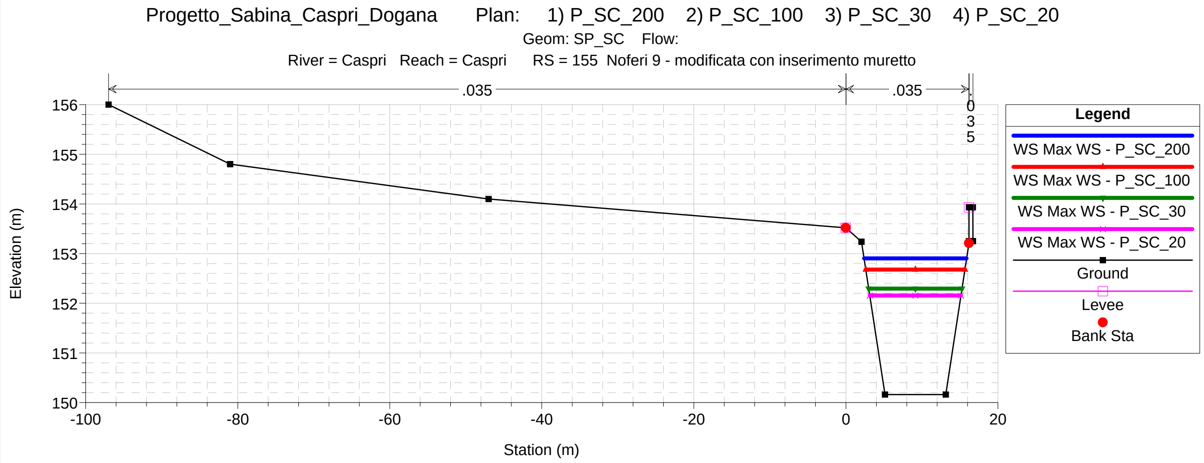

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 160 Noferi 14
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

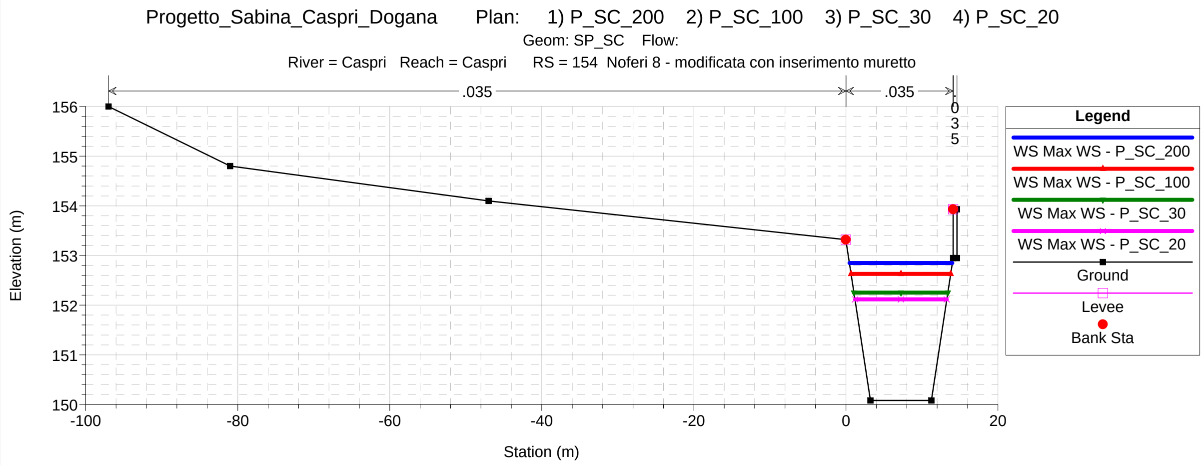

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 159 Noferi 13
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

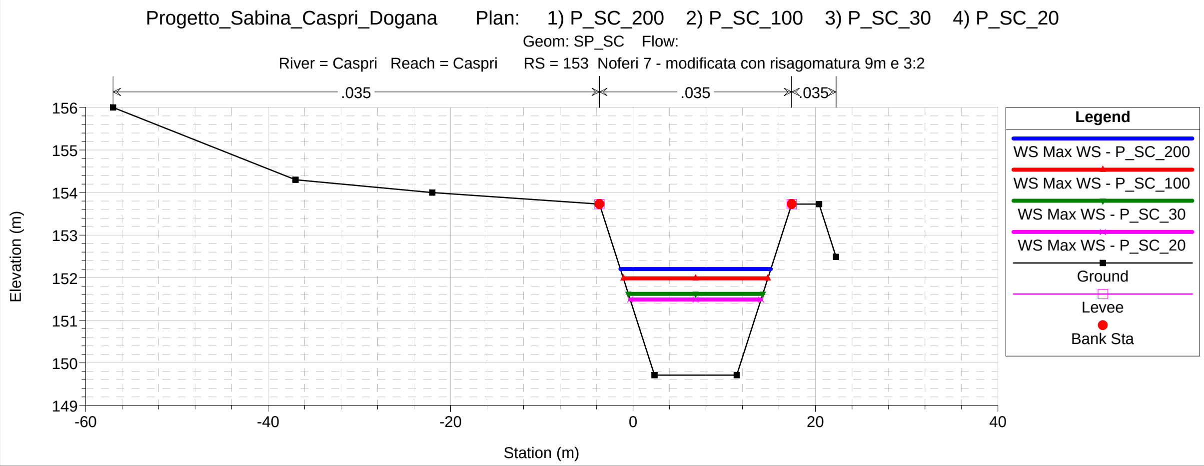

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 158 Noferi 12
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

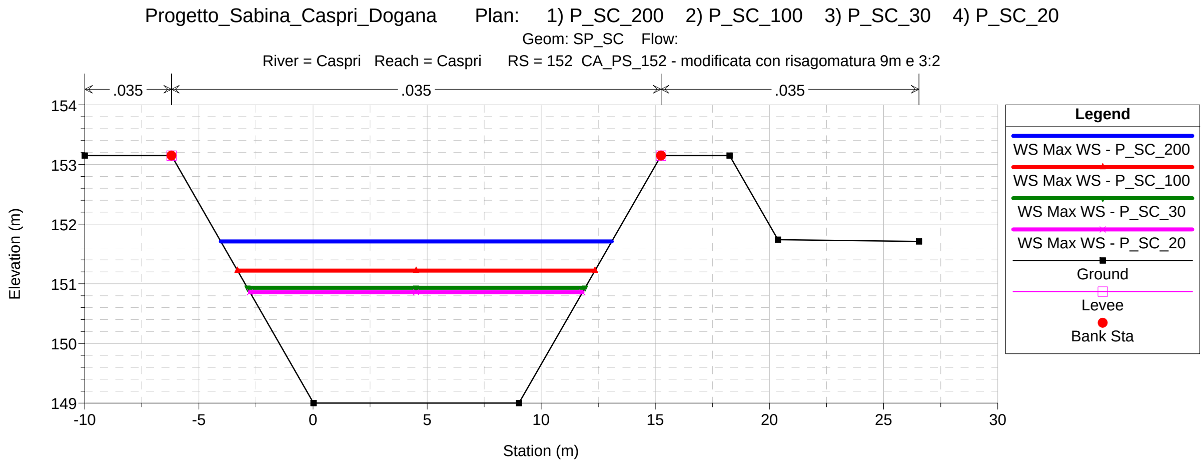

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 157 Noferi 11
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 156 Noferi 10
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

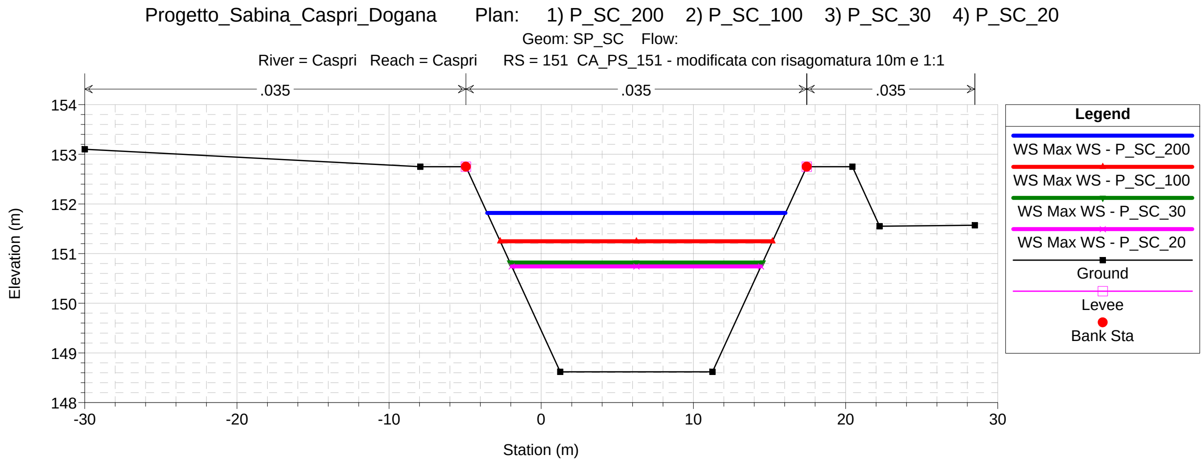

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 155 Noferi 9 - modificata con inserimento muretto
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 154 Noferi 8 - modificata con inserimento muretto
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

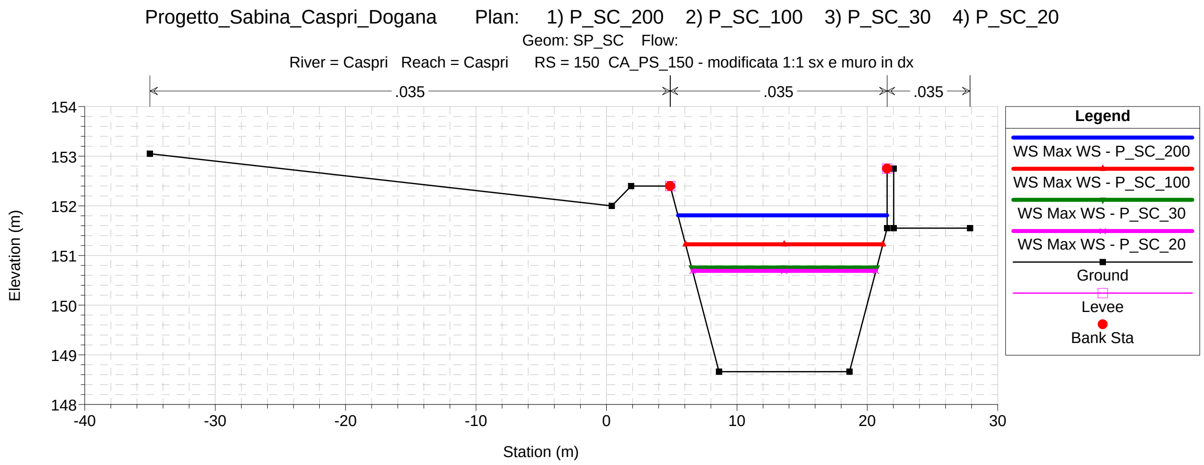

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 153 Noferi 7 - modificata con risagomatura 9m e 3:2
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta



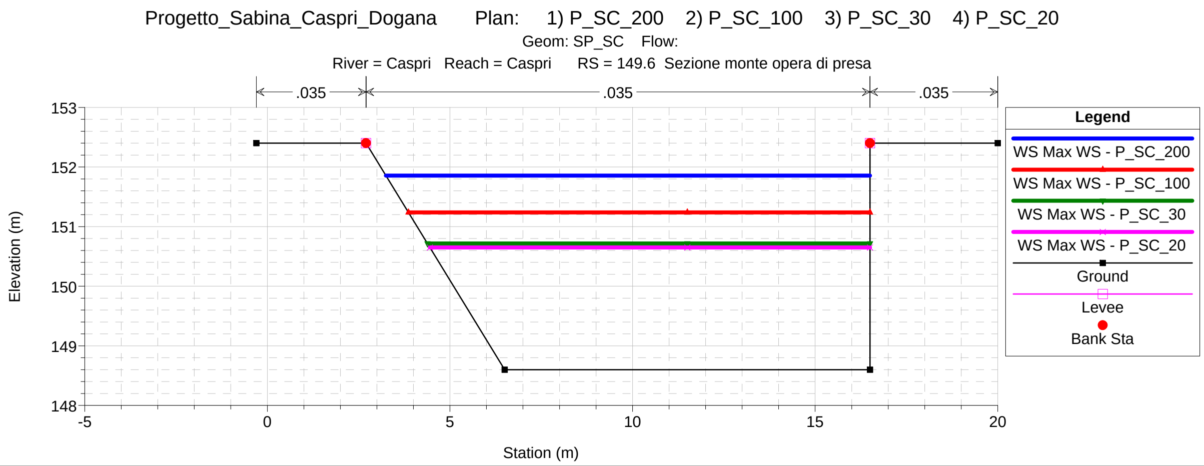
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 152 CA_PS_152 - modificata con risagomatura 9m e 3:2
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta



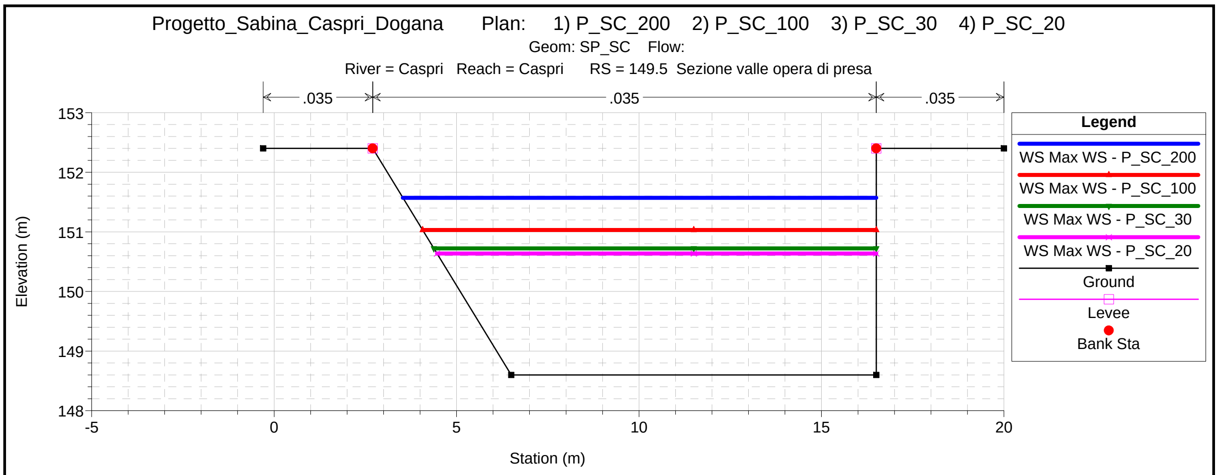
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 151 CA_PS_151 - modificata con risagomatura 10m e 1:1
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

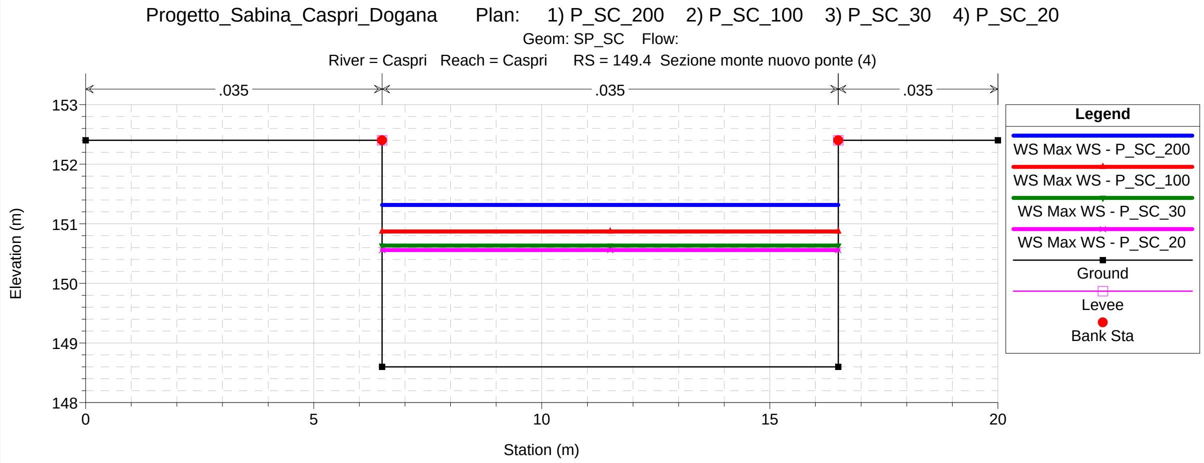


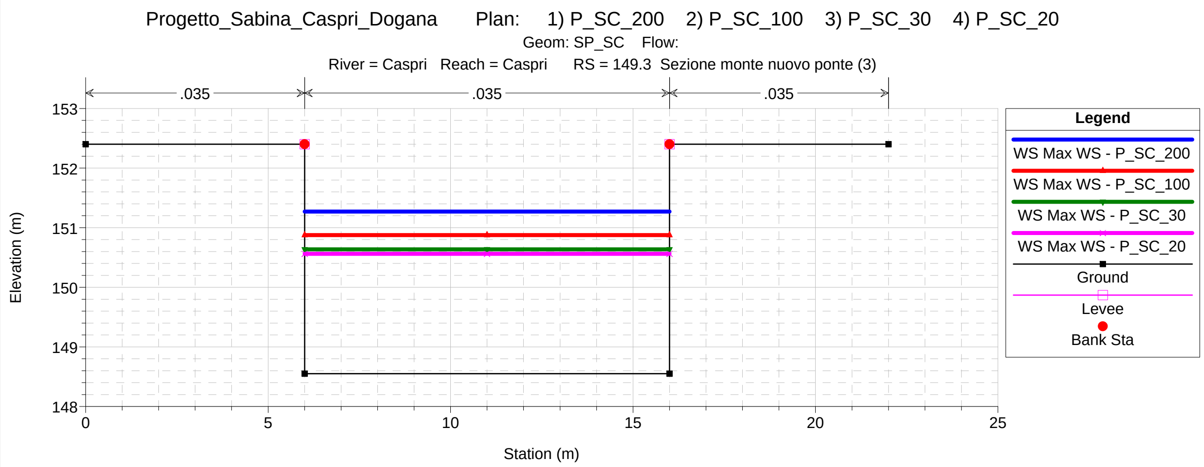
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 150 CA_PS_150 - modificata 1:1 sx e muro in dx
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

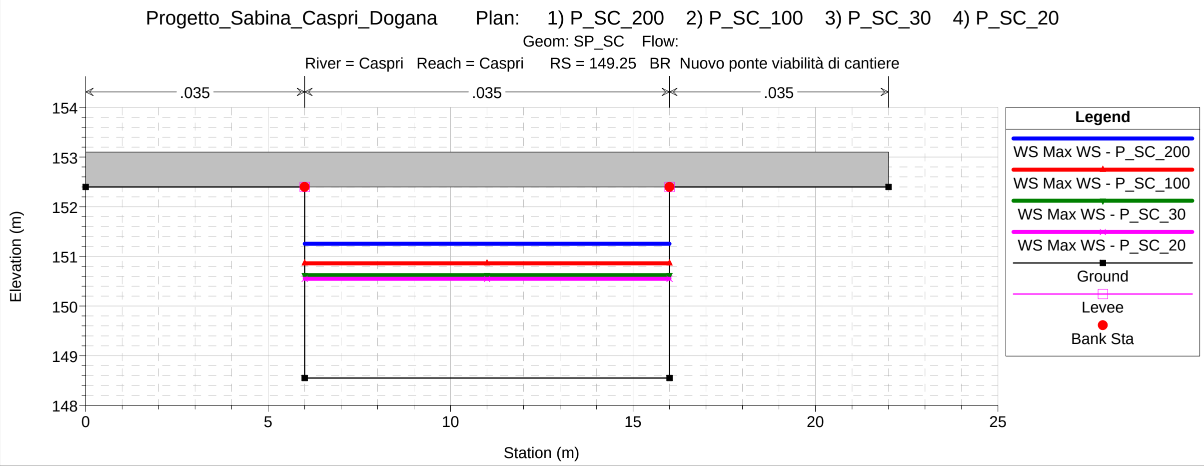


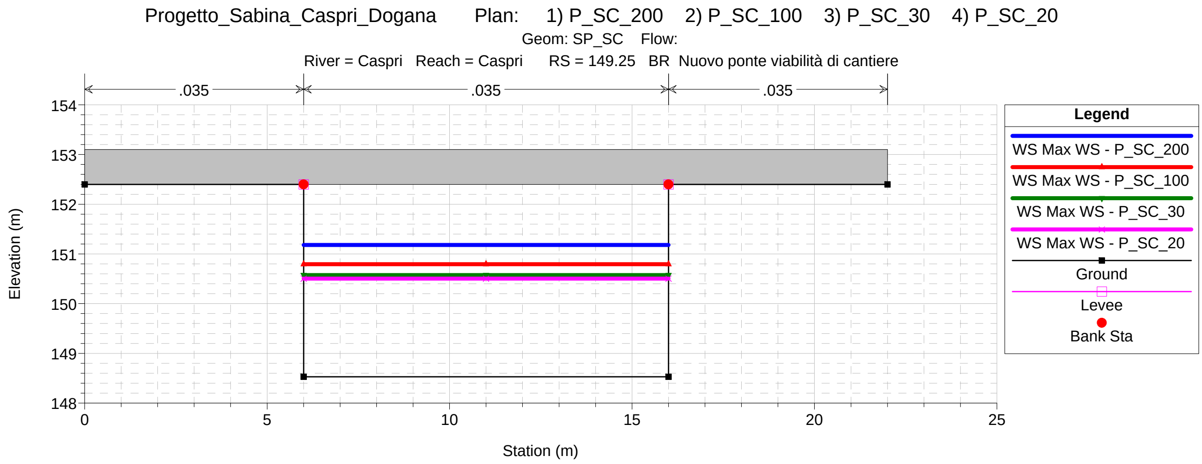
Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.6 Sezione monte opera di presa
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

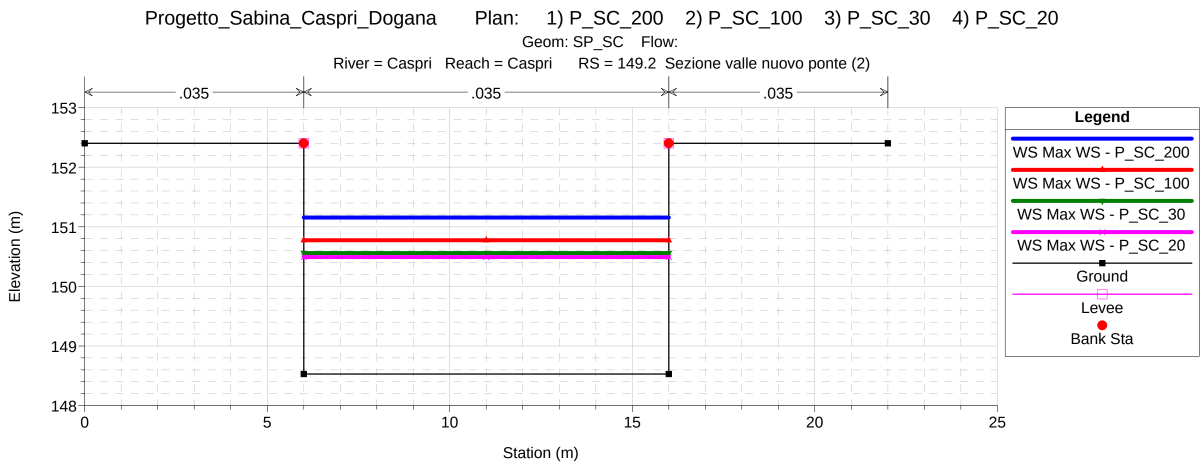

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.5 Sezione valle opera di presa
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

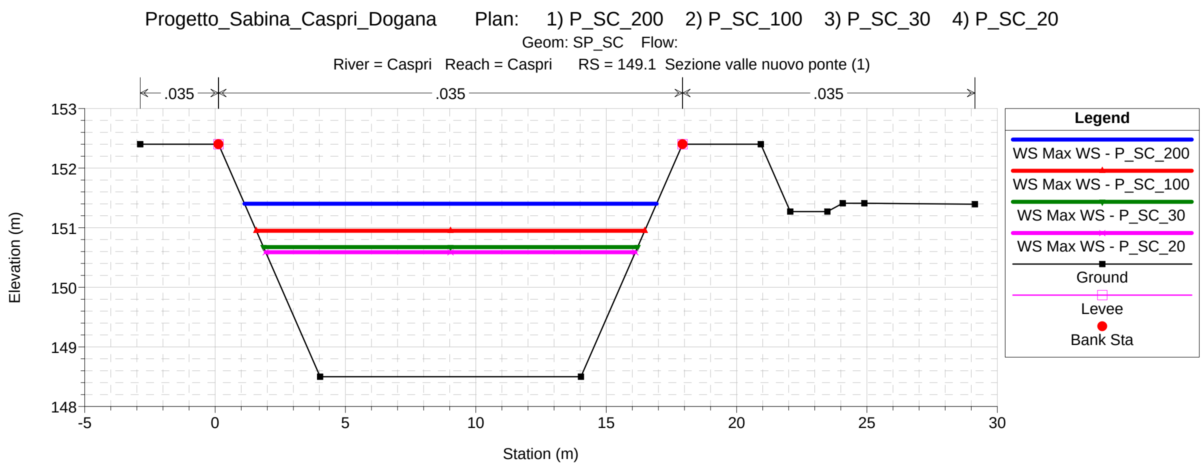

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.4 Sezione monte nuovo ponte (4)
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

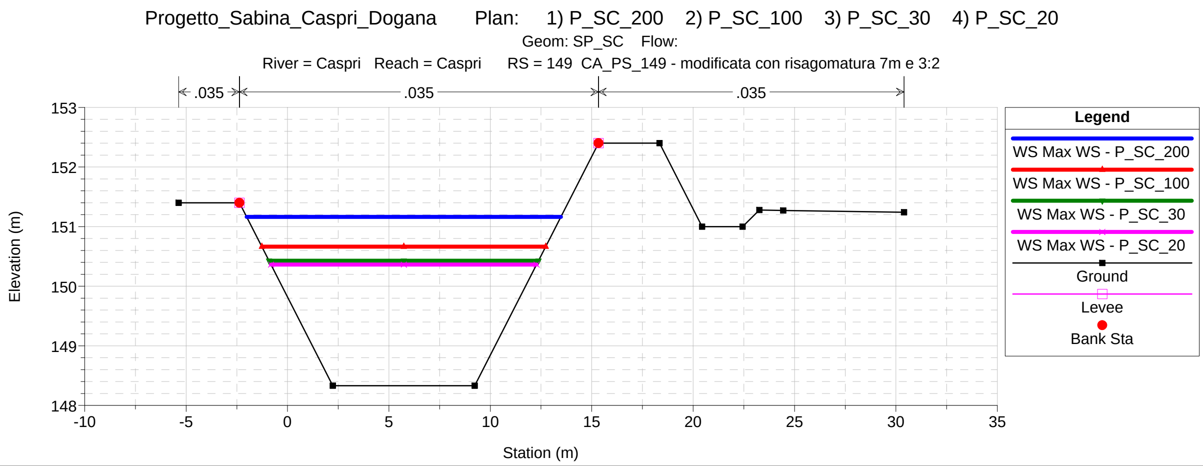

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.3 Sezione monte nuovo ponte (3)
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

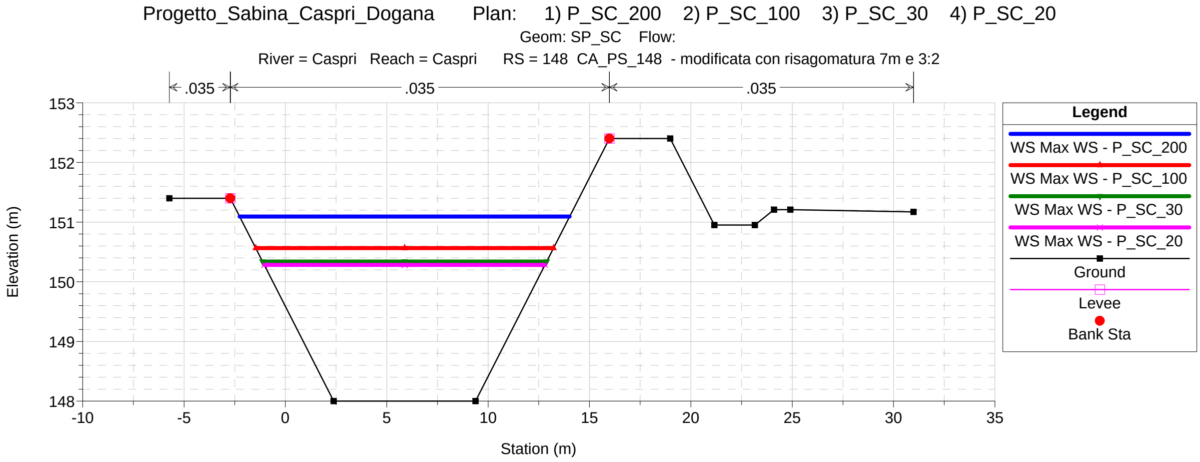

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.25 BR Nuovo ponte viabilità di cantiere
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.25 BR Nuovo ponte viabilità di cantiere
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta

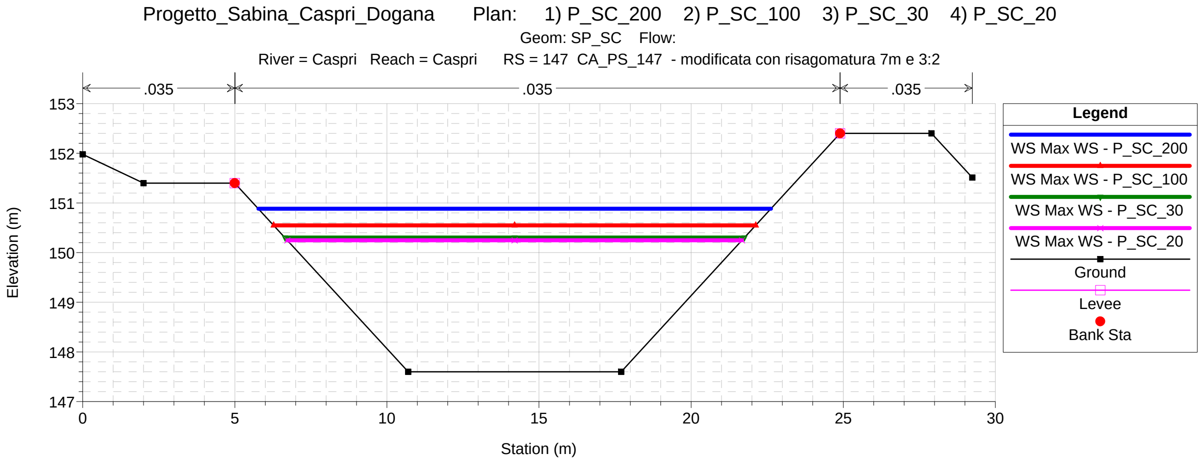

Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.2 Sezione valle nuovo ponte (2)
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149.1 Sezione valle nuovo ponte (1)
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 149 CA_PS_149 - modificata con risagomatura 7m e 3:2
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta



Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 148 CA_PS_148 - modificata con risagomatura 7m e 3:2
.035
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
153
152
151
150
149
148
-10
-5
0
5
10
15
20
25
30
35
Station (m)



Progetto_Sabina_Caspri_Dogana Plan: 1) P_SC_200 2) P_SC_100 3) P_SC_30 4) P_SC_20
Geom: SP_SC Flow:
River = Caspri Reach = Caspri RS = 147 CA_PS_147 - modificata con risagomatura 7m e 3:2
.035
.035
.035
Legend
WS Max WS - P_SC_200
WS Max WS - P_SC_100
WS Max WS - P_SC_30
WS Max WS - P_SC_20
Ground
Levee
Bank Sta
Elevation (m)
153
152
151
150
149
148
147
0
5
10
15
20
25
30
Station (m)

HEC-RAS   Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Cassa_Pestello	Max WS	P_SC_200	151.78	148.80	0.29	5.80	92.18
Cassa_Pestello	Max WS	P_SC_100	149.41	148.80	32.83	39.54	11.14
Cassa_Pestello	Max WS	P_SC_30	149.21	148.80	10.40	39.54	3.55
Cassa_Pestello	Max WS	P_SC_20	148.84	148.80	7.46	7.50	0.28

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Caspri	182	Max WS	P_SC_200	104.27	153.73	156.64		157.08	0.004590	3.02	41.44	53.66	0.60
Caspri	182	Max WS	P_SC_100	86.52	153.73	156.35		156.81	0.005241	3.01	28.77	15.39	0.64
Caspri	182	Max WS	P_SC_30	62.33	153.73	156.21		156.48	0.003239	2.31	27.00	12.32	0.50
Caspri	182	Max WS	P_SC_20	55.38	153.73	156.02		156.27	0.003260	2.24	24.68	11.87	0.50
Caspri	181.99	Max WS	P_SC_200	104.27	153.73	156.64		157.08	0.004590	3.02	41.44	53.66	0.60
Caspri	181.99	Max WS	P_SC_100	86.52	153.73	156.35		156.81	0.005244	3.01	28.77	15.36	0.64
Caspri	181.99	Max WS	P_SC_30	62.33	153.73	156.21		156.48	0.003239	2.31	27.00	12.32	0.50
Caspri	181.99	Max WS	P_SC_20	55.38	153.73	156.02		156.27	0.003260	2.24	24.68	11.87	0.50
Caspri	181.9			Lat Struct									
Caspri	181	Max WS	P_SC_200	103.31	153.62	156.69		156.97	0.002979	2.50	52.55	59.77	0.48
Caspri	181	Max WS	P_SC_100	86.55	153.62	156.47		156.77	0.003254	2.49	40.20	51.97	0.50
Caspri	181	Max WS	P_SC_30	62.33	153.62	156.25		156.46	0.002452	2.05	30.43	15.71	0.43
Caspri	181	Max WS	P_SC_20	55.38	153.62	156.06		156.26	0.002443	1.98	27.91	12.86	0.43
Caspri	180	Max WS	P_SC_200	103.14	153.63	156.70		156.95	0.002599	2.39	59.79	79.41	0.45
Caspri	180	Max WS	P_SC_100	86.54	153.63	156.46		156.75	0.003112	2.48	42.62	60.22	0.49
Caspri	180	Max WS	P_SC_30	62.32	153.63	156.23		156.45	0.002438	2.08	30.97	38.04	0.43
Caspri	180	Max WS	P_SC_20	55.38	153.63	156.03		156.24	0.002501	2.02	27.39	12.39	0.43
Caspri	179	Max WS	P_SC_200	103.15	153.50	156.75		156.89	0.001555	1.86	80.78	91.75	0.35
Caspri	179	Max WS	P_SC_100	86.56	153.50	156.51		156.68	0.001923	1.97	60.54	76.74	0.39
Caspri	179	Max WS	P_SC_30	62.31	153.50	156.25		156.40	0.001852	1.82	42.21	59.97	0.38
Caspri	179	Max WS	P_SC_20	55.38	153.50	156.00		156.20	0.002376	1.95	28.36	13.12	0.42
Caspri	178	Max WS	P_SC_200	103.15	153.42	156.73		156.86	0.001489	1.83	77.26	76.53	0.35
Caspri	178	Max WS	P_SC_100	86.56	153.42	156.50		156.65	0.001759	1.89	60.45	67.31	0.37
Caspri	178	Max WS	P_SC_30	62.30	153.42	156.20		156.38	0.001979	1.87	33.23	14.27	0.39
Caspri	178	Max WS	P_SC_20	55.38	153.42	156.00		156.17	0.001956	1.81	30.52	13.68	0.39
Caspri	177	Max WS	P_SC_200	103.15	153.26	156.61		156.84	0.003518	2.44	58.61	72.95	0.52
Caspri	177	Max WS	P_SC_100	86.51	153.26	156.29		156.68	0.004762	2.92	38.11	58.29	0.60
Caspri	177	Max WS	P_SC_30	66.42	153.26	155.94		156.37	0.005403	2.90	22.89	10.62	0.63
Caspri	177	Max WS	P_SC_20	55.37	153.26	155.74		156.11	0.004884	2.66	20.81	10.31	0.60

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caspri	176	Max WS	P_SC_200	103.13	153.04	156.48		156.75	0.003200	2.64	56.19	65.14	0.50
Caspri	176	Max WS	P_SC_100	84.59	153.04	156.12	155.59	156.59	0.005467	3.16	34.58	55.54	0.64
Caspri	176	Max WS	P_SC_30	65.97	153.04	155.73		156.26	0.007129	3.24	20.40	11.96	0.71
Caspri	176	Max WS	P_SC_20	55.37	153.04	155.42		155.93	0.007676	3.17	17.45	9.14	0.73
Caspri	175	Max WS	P_SC_200	103.12	152.96	156.32	156.34	156.77	0.004907	3.15	43.03	55.93	0.60
Caspri	175	Max WS	P_SC_100	83.44	152.96	156.06	155.39	156.57	0.005598	3.19	29.05	51.48	0.64
Caspri	175	Max WS	P_SC_30	65.34	152.96	155.70	155.05	156.14	0.005679	2.96	22.06	10.11	0.64
Caspri	175	Max WS	P_SC_20	55.37	152.96	155.44	154.85	155.85	0.005678	2.83	19.56	9.73	0.64
Caspri	174.5			Bridge									
Caspri	174	Max WS	P_SC_200	103.12	152.93	156.24	156.33	156.76	0.005805	3.35	38.89	54.21	0.65
Caspri	174	Max WS	P_SC_100	90.03	152.93	155.95		156.61	0.007619	3.60	25.05	12.59	0.74
Caspri	174	Max WS	P_SC_30	65.52	152.93	155.67		156.12	0.005722	2.97	22.04	10.10	0.64
Caspri	174	Max WS	P_SC_20	55.37	152.93	155.43		155.83	0.005590	2.82	19.67	9.74	0.63
Caspri	173.9			Lat Struct									
Caspri	173	Max WS	P_SC_200	102.86	152.47	156.01		156.43	0.003707	2.86	36.01	13.52	0.56
Caspri	173	Max WS	P_SC_100	86.76	152.47	155.85		156.18	0.003116	2.56	33.84	13.04	0.51
Caspri	173	Max WS	P_SC_30	64.96	152.47	155.64		155.86	0.002257	2.09	31.10	12.90	0.43
Caspri	173	Max WS	P_SC_20	55.36	152.47	155.39		155.59	0.002236	1.98	27.92	12.60	0.43
Caspri	172	Max WS	P_SC_200	102.99	152.38	155.92	155.41	156.58	0.003397	3.65	30.92	25.33	0.72
Caspri	172	Max WS	P_SC_100	86.51	152.38	155.68	155.14	156.28	0.003326	3.43	25.73	18.79	0.71
Caspri	172	Max WS	P_SC_30	64.88	152.38	155.39	154.72	155.83	0.002690	2.93	22.14	10.25	0.64
Caspri	172	Max WS	P_SC_20	55.36	152.38	155.16	154.52	155.56	0.002659	2.80	19.80	9.90	0.63
Caspri	171.5			Bridge									
Caspri	171	Max WS	P_SC_200	102.97	152.36	155.88	155.55	156.64	0.004019	3.87	27.90	22.57	0.80
Caspri	171	Max WS	P_SC_100	86.36	152.36	155.65		156.32	0.003929	3.61	23.89	11.07	0.78
Caspri	171	Max WS	P_SC_30	64.74	152.36	155.29		155.82	0.003527	3.23	20.05	10.16	0.73
Caspri	171	Max WS	P_SC_20	55.36	152.36	155.06		155.55	0.003524	3.11	17.79	9.50	0.73
Caspri	170	Max WS	P_SC_200	103.37	152.26	155.82		156.26	0.004319	3.09	39.98	33.49	0.61

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caspri	170	Max WS	P_SC_100	87.74	152.26	155.69		156.07	0.003907	2.86	35.74	30.63	0.58
Caspri	170	Max WS	P_SC_30	64.71	152.26	155.40		155.71	0.003526	2.54	27.74	24.32	0.55
Caspri	170	Max WS	P_SC_20	55.36	152.26	155.18		155.49	0.003716	2.47	23.04	19.54	0.56
Caspri	169	Max WS	P_SC_200	103.33	152.18	155.69	155.19	156.26	0.005535	3.42	34.67	35.34	0.68
Caspri	169	Max WS	P_SC_100	87.35	152.18	155.58		156.06	0.004755	3.09	31.02	30.23	0.63
Caspri	169	Max WS	P_SC_30	64.53	152.18	155.32		155.67	0.003905	2.62	24.65	18.17	0.57
Caspri	169	Max WS	P_SC_20	55.36	152.18	155.13		155.44	0.003724	2.46	22.48	11.21	0.56
Caspri	168	Max WS	P_SC_200	103.28	152.08	155.68		156.08	0.004547	2.98	44.33	57.51	0.62
Caspri	168	Max WS	P_SC_100	87.13	152.08	155.56		155.93	0.004281	2.81	37.59	52.73	0.60
Caspri	168	Max WS	P_SC_30	64.51	152.08	155.29		155.62	0.003963	2.54	25.44	12.76	0.57
Caspri	168	Max WS	P_SC_20	55.36	152.08	155.11		155.40	0.003362	2.37	23.34	11.40	0.53
Caspri	167	Max WS	P_SC_200	103.15	151.72	155.65		155.87	0.002146	2.30	62.35	63.40	0.43
Caspri	167	Max WS	P_SC_100	86.92	151.72	155.52		155.72	0.002026	2.18	54.10	59.64	0.42
Caspri	167	Max WS	P_SC_30	63.17	151.72	155.20		155.41	0.002132	2.10	36.31	50.59	0.42
Caspri	167	Max WS	P_SC_20	55.33	151.72	155.05		155.26	0.002156	2.04	29.43	46.62	0.43
Caspri	166	Max WS	P_SC_200	103.14	151.63	155.66		155.83	0.001613	2.05	70.08	69.60	0.37
Caspri	166	Max WS	P_SC_100	86.92	151.63	155.53		155.69	0.001493	1.93	61.17	64.63	0.36
Caspri	166	Max WS	P_SC_30	63.12	151.63	155.23		155.38	0.001427	1.78	43.48	53.43	0.35
Caspri	166	Max WS	P_SC_20	55.34	151.63	155.08		155.23	0.001446	1.74	35.99	47.90	0.35
Caspri	165	Max WS	P_SC_200	103.13	151.53	155.68		155.80	0.001081	1.73	83.72	75.60	0.31
Caspri	165	Max WS	P_SC_100	86.92	151.53	155.55		155.66	0.000992	1.62	73.98	70.90	0.30
Caspri	165	Max WS	P_SC_30	63.38	151.53	155.26		155.36	0.000943	1.49	54.65	60.52	0.29
Caspri	165	Max WS	P_SC_20	55.34	151.53	155.11		155.21	0.000968	1.47	45.89	55.18	0.29
Caspri	164	Max WS	P_SC_200	103.12	151.45	155.67		155.79	0.001281	1.85	81.22	76.53	0.31
Caspri	164	Max WS	P_SC_100	86.92	151.45	155.53		155.65	0.001189	1.75	71.34	71.54	0.30
Caspri	164	Max WS	P_SC_30	63.34	151.45	155.23		155.35	0.001157	1.64	51.71	60.41	0.30
Caspri	164	Max WS	P_SC_20	55.34	151.45	155.08		155.20	0.001209	1.63	42.66	54.52	0.30
Caspri	163	Max WS	P_SC_200	103.12	151.36	155.54	153.91	155.79	0.001973	2.28	55.12	54.57	0.39
Caspri	163	Max WS	P_SC_100	86.92	151.36	155.44	153.65	155.64	0.001619	2.03	49.96	47.72	0.35
Caspri	163	Max WS	P_SC_30	63.37	151.36	155.20	153.25	155.34	0.001183	1.67	40.24	30.93	0.30

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caspri	163	Max WS	P_SC_20	55.34	151.36	155.06	153.09	155.18	0.001052	1.53	36.72	21.82	0.28
Caspri	162.5			Bridge									
Caspri	162	Max WS	P_SC_200	103.12	151.36	154.15		154.99	0.009965	4.08	25.26	11.11	0.86
Caspri	162	Max WS	P_SC_100	86.92	151.36	153.86		154.64	0.010215	3.93	22.14	10.69	0.87
Caspri	162	Max WS	P_SC_30	63.35	151.36	153.40		154.08	0.010733	3.65	17.36	10.02	0.88
Caspri	162	Max WS	P_SC_20	55.34	151.36	153.23		153.86	0.010879	3.52	15.71	9.77	0.89
Caspri	161	Max WS	P_SC_200	103.12	151.27	154.31		154.87	0.005778	3.32	31.06	12.46	0.67
Caspri	161	Max WS	P_SC_100	86.92	151.27	154.00		154.52	0.005876	3.18	27.30	12.00	0.67
Caspri	161	Max WS	P_SC_30	63.34	151.27	153.50		153.94	0.006116	2.95	21.49	11.27	0.68
Caspri	161	Max WS	P_SC_20	55.34	151.27	153.32		153.73	0.006157	2.84	19.50	11.01	0.68
Caspri	160	Max WS	P_SC_200	103.12	151.04	153.95		154.66	0.007722	3.76	27.46	10.91	0.76
Caspri	160	Max WS	P_SC_100	86.92	151.04	153.67		154.31	0.007595	3.55	24.45	10.63	0.75
Caspri	160	Max WS	P_SC_30	63.28	151.04	153.21		153.73	0.007466	3.22	19.67	10.17	0.74
Caspri	160	Max WS	P_SC_20	55.34	151.04	153.04		153.52	0.007376	3.08	18.00	10.00	0.73
Caspri	159	Max WS	P_SC_200	103.12	151.02	153.92		154.64	0.007783	3.77	27.38	10.90	0.76
Caspri	159	Max WS	P_SC_100	86.92	151.02	153.64		154.29	0.007655	3.56	24.39	10.62	0.75
Caspri	159	Max WS	P_SC_30	63.27	151.02	153.18		153.71	0.007519	3.22	19.62	10.16	0.74
Caspri	159	Max WS	P_SC_20	55.34	151.02	153.01		153.50	0.007430	3.08	17.95	10.00	0.73
Caspri	158	Max WS	P_SC_200	103.11	150.69	153.52		154.28	0.008439	3.88	26.60	10.83	0.79
Caspri	158	Max WS	P_SC_100	86.92	150.69	153.26		153.94	0.008153	3.64	23.85	10.57	0.77
Caspri	158	Max WS	P_SC_30	63.21	150.69	152.83		153.37	0.007761	3.26	19.39	10.14	0.75
Caspri	158	Max WS	P_SC_20	55.33	150.69	152.67		153.16	0.007592	3.11	17.82	9.98	0.74
Caspri	157	Max WS	P_SC_200	103.11	150.55	153.21		154.13	0.010826	4.25	24.28	10.47	0.89
Caspri	157	Max WS	P_SC_100	86.92	150.55	152.97		153.78	0.010434	3.99	21.80	10.23	0.87
Caspri	157	Max WS	P_SC_30	63.20	150.55	152.57		153.21	0.009817	3.55	17.81	9.83	0.84
Caspri	157	Max WS	P_SC_20	55.33	150.55	152.43		153.00	0.009525	3.37	16.41	9.69	0.83
Caspri	156	Max WS	P_SC_200	103.11	150.35	152.83	152.78	153.86	0.012844	4.50	22.91	10.48	0.97
Caspri	156	Max WS	P_SC_100	86.92	150.35	152.59	152.54	153.51	0.012615	4.25	20.45	10.24	0.96
Caspri	156	Max WS	P_SC_30	63.16	150.35	152.21		152.95	0.012173	3.81	16.58	9.86	0.94

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

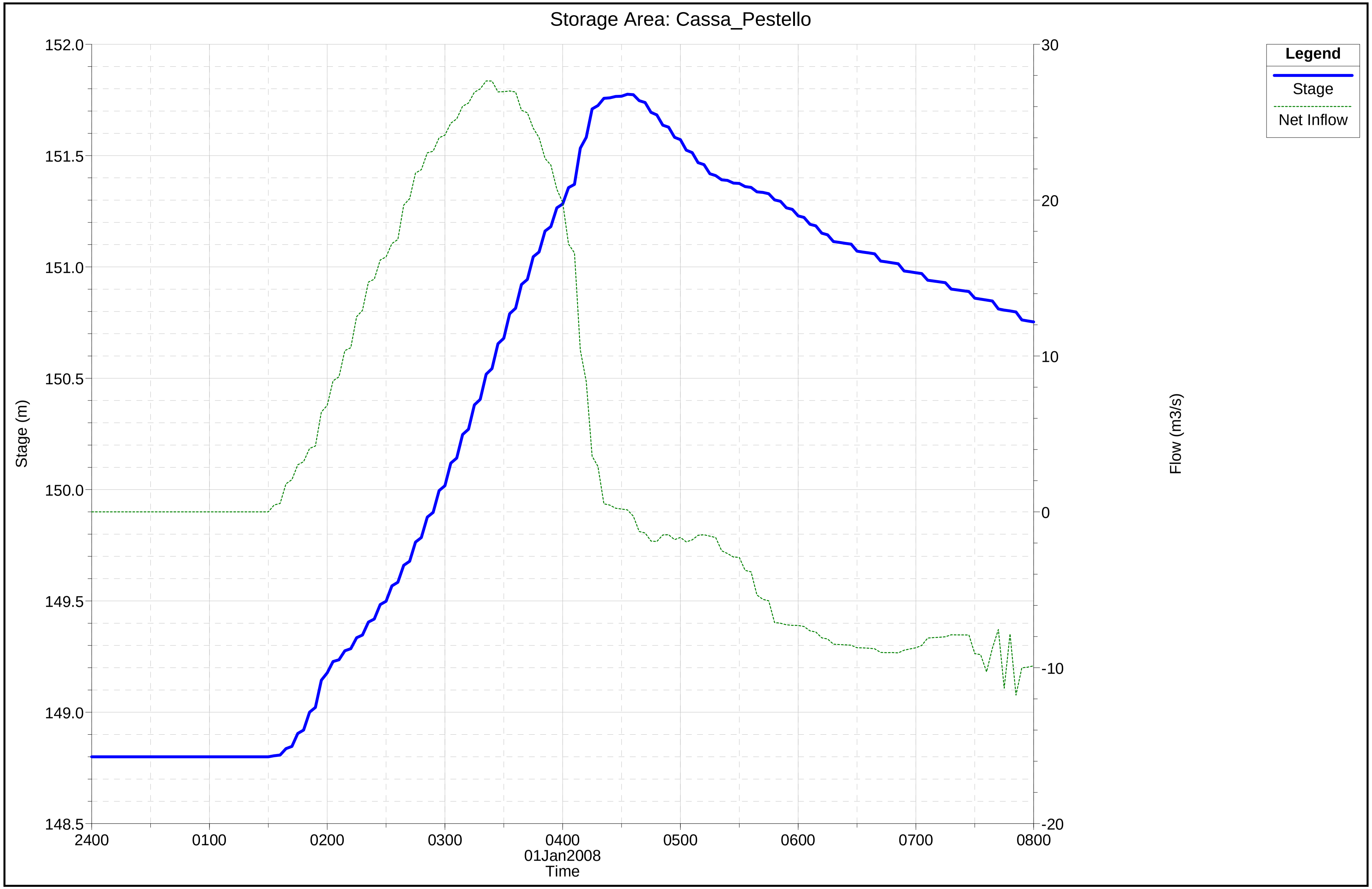
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Caspri	156	Max WS	P_SC_20	55.33	150.35	152.07		152.74	0.011950	3.63	15.24	9.72	0.93
Caspri	155	Max WS	P_SC_200	103.11	150.16	152.90		153.53	0.006504	3.50	29.48	13.49	0.76
Caspri	155	Max WS	P_SC_100	86.92	150.16	152.68		153.23	0.006245	3.28	26.49	13.04	0.73
Caspri	155	Max WS	P_SC_30	63.15	150.16	152.29		152.73	0.005871	2.92	21.62	12.27	0.70
Caspri	155	Max WS	P_SC_20	55.33	150.16	152.16		152.55	0.005685	2.77	19.94	11.99	0.69
Caspri	154	Max WS	P_SC_200	103.11	150.08	152.85		153.46	0.006296	3.46	29.82	13.54	0.74
Caspri	154	Max WS	P_SC_100	86.92	150.08	152.63		153.16	0.005977	3.23	26.91	13.10	0.72
Caspri	154	Max WS	P_SC_30	63.13	150.08	152.25		152.67	0.005517	2.86	22.09	12.34	0.68
Caspri	154	Max WS	P_SC_20	55.33	150.08	152.12		152.49	0.005300	2.71	20.43	12.07	0.66
Caspri	153	Max WS	P_SC_200	103.09	149.71	152.20		152.74	0.006036	3.24	31.78	16.48	0.75
Caspri	153	Max WS	P_SC_100	86.91	149.71	151.98		152.47	0.006004	3.08	28.22	15.82	0.74
Caspri	153	Max WS	P_SC_30	62.98	149.71	151.62		152.01	0.005904	2.78	22.65	14.73	0.72
Caspri	153	Max WS	P_SC_20	55.32	149.71	151.49		151.85	0.005836	2.66	20.78	14.34	0.71
Caspri	152	Max WS	P_SC_200	97.13	149.00	151.71		152.09	0.003960	2.74	35.39	17.13	0.61
Caspri	152	Max WS	P_SC_100	70.26	149.00	151.22		151.56	0.004282	2.57	27.37	15.66	0.62
Caspri	152	Max WS	P_SC_30	62.87	149.00	150.93		151.31	0.005630	2.73	23.00	14.80	0.70
Caspri	152	Max WS	P_SC_20	55.32	149.00	150.86		151.18	0.005017	2.53	21.90	14.57	0.66
Caspri	151.9			Lat Struct									
Caspri	151	Max WS	P_SC_200	80.68	148.62	151.82		151.97	0.001243	1.70	47.37	19.61	0.35
Caspri	151	Max WS	P_SC_100	60.73	148.62	151.25		151.39	0.001449	1.66	36.64	17.89	0.37
Caspri	151	Max WS	P_SC_30	58.54	148.62	150.82		151.02	0.002554	2.00	29.26	16.60	0.48
Caspri	151	Max WS	P_SC_20	52.09	148.62	150.74		150.92	0.002291	1.86	28.01	16.38	0.45
Caspri	150	Max WS	P_SC_200	76.26	148.66	151.81		151.98	0.001456	1.84	41.35	16.04	0.37
Caspri	150	Max WS	P_SC_100	58.42	148.66	151.23		151.39	0.001749	1.81	32.24	15.13	0.40
Caspri	150	Max WS	P_SC_30	57.50	148.66	150.76		151.02	0.003383	2.27	25.37	14.19	0.54
Caspri	150	Max WS	P_SC_20	51.32	148.66	150.69		150.91	0.003016	2.10	24.41	14.06	0.51
Caspri	149.6	Max WS	P_SC_200	66.87	148.60	151.86		152.01	0.001403	1.77	37.86	13.26	0.33
Caspri	149.6	Max WS	P_SC_100	55.54	148.60	151.24		151.41	0.001904	1.86	29.85	12.64	0.39
Caspri	149.6	Max WS	P_SC_30	55.99	148.60	150.72		151.01	0.003912	2.39	23.41	12.12	0.55

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caspri	149.6	Max WS	P_SC_20	50.24	148.60	150.65		150.90	0.003486	2.22	22.61	12.05	0.52
Caspri	149.5	Max WS	P_SC_200	84.37	148.60	151.57		151.88	0.002993	2.47	34.14	12.97	0.49
Caspri	149.5	Max WS	P_SC_100	65.31	148.60	151.03		151.32	0.003413	2.39	27.27	12.43	0.52
Caspri	149.5	Max WS	P_SC_30	53.37	148.60	150.72		150.99	0.003522	2.27	23.48	12.12	0.52
Caspri	149.5	Max WS	P_SC_20	48.49	148.60	150.64		150.87	0.003320	2.16	22.44	12.04	0.51
Caspri	149.4	Max WS	P_SC_200	86.85	148.60	151.32		151.84	0.005894	3.20	27.16	10.00	0.62
Caspri	149.4	Max WS	P_SC_100	67.59	148.60	150.87		151.32	0.005999	2.98	22.70	10.00	0.63
Caspri	149.4	Max WS	P_SC_30	53.04	148.60	150.64		150.98	0.005087	2.61	20.35	10.00	0.58
Caspri	149.4	Max WS	P_SC_20	48.28	148.60	150.56		150.87	0.004714	2.46	19.59	10.00	0.56
Caspri	149.3	Max WS	P_SC_200	88.11	148.55	151.27	150.54	151.80	0.006046	3.24	27.19	10.00	0.63
Caspri	149.3	Max WS	P_SC_100	67.52	148.55	150.87	150.22	151.30	0.005583	2.90	23.25	10.00	0.61
Caspri	149.3	Max WS	P_SC_30	53.04	148.55	150.64	149.97	150.97	0.004717	2.54	20.88	10.00	0.56
Caspri	149.3	Max WS	P_SC_20	48.28	148.55	150.56	149.88	150.86	0.004363	2.40	20.11	10.00	0.54
Caspri	149.25			Bridge									
Caspri	149.2	Max WS	P_SC_200	88.10	148.53	151.15		151.73	0.006694	3.36	26.24	10.00	0.66
Caspri	149.2	Max WS	P_SC_100	67.52	148.53	150.77		151.23	0.006199	3.01	22.43	10.00	0.64
Caspri	149.2	Max WS	P_SC_30	53.04	148.53	150.56		150.91	0.005125	2.61	20.30	10.00	0.59
Caspri	149.2	Max WS	P_SC_20	48.23	148.53	150.49		150.80	0.004682	2.46	19.63	10.00	0.56
Caspri	149.1	Max WS	P_SC_200	88.10	148.50	151.40		151.68	0.002591	2.35	37.46	15.81	0.49
Caspri	149.1	Max WS	P_SC_100	67.52	148.50	150.95		151.20	0.002745	2.22	30.47	14.90	0.49
Caspri	149.1	Max WS	P_SC_30	53.04	148.50	150.68		150.88	0.002540	2.00	26.49	14.35	0.47
Caspri	149.1	Max WS	P_SC_20	48.28	148.50	150.59		150.78	0.002416	1.91	25.26	14.18	0.46
Caspri	149	Max WS	P_SC_200	88.09	148.33	151.16		151.55	0.004111	2.76	31.88	15.50	0.61
Caspri	149	Max WS	P_SC_100	67.52	148.33	150.66		151.05	0.005009	2.75	24.51	14.00	0.66
Caspri	149	Max WS	P_SC_30	53.02	148.33	150.43		150.74	0.004593	2.49	21.27	13.29	0.63
Caspri	149	Max WS	P_SC_20	48.13	148.33	150.36		150.65	0.004242	2.36	20.42	13.10	0.60
Caspri	148	Max WS	P_SC_200	88.00	148.00	151.09		151.40	0.002938	2.44	36.00	16.28	0.52
Caspri	148	Max WS	P_SC_100	55.31	148.00	150.56		150.77	0.002365	1.99	27.81	14.69	0.46
Caspri	148	Max WS	P_SC_30	51.99	148.00	150.34		150.57	0.002951	2.12	24.57	14.01	0.51

HEC-RAS River: Caspri Reach: Caspri Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caspri	148	Max WS	P_SC_20	47.96	148.00	150.28		150.49	0.002741	2.01	23.81	13.85	0.49
Caspri	147.55			Lat Struct									
Caspri	147	Max WS	P_SC_200	95.88	147.60	150.88		151.19	0.002770	2.45	39.15	16.85	0.51
Caspri	147	Max WS	P_SC_100	53.65	147.60	150.55		150.68	0.001311	1.59	33.69	15.85	0.35
Caspri	147	Max WS	P_SC_30	51.23	147.60	150.30		150.45	0.001666	1.72	29.87	15.11	0.39
Caspri	147	Max WS	P_SC_20	47.48	147.60	150.25		150.39	0.001542	1.63	29.07	14.95	0.37



Storage Area: Cassa_Pestello
Stage (m)
152.0
151.5
151.0
150.5
150.0
149.5
149.0
148.5
Flow (m3/s)
30
20
10
0
-10
-20
2400
0100
0200
0300
0400
0500
0600
0700
0800
01Jan2008
Time
Legend
Stage
Net Inflow

borro della Dogana - stato di progetto

<u>verifiche con Tpioggia critico per il Borro della Dogana</u>

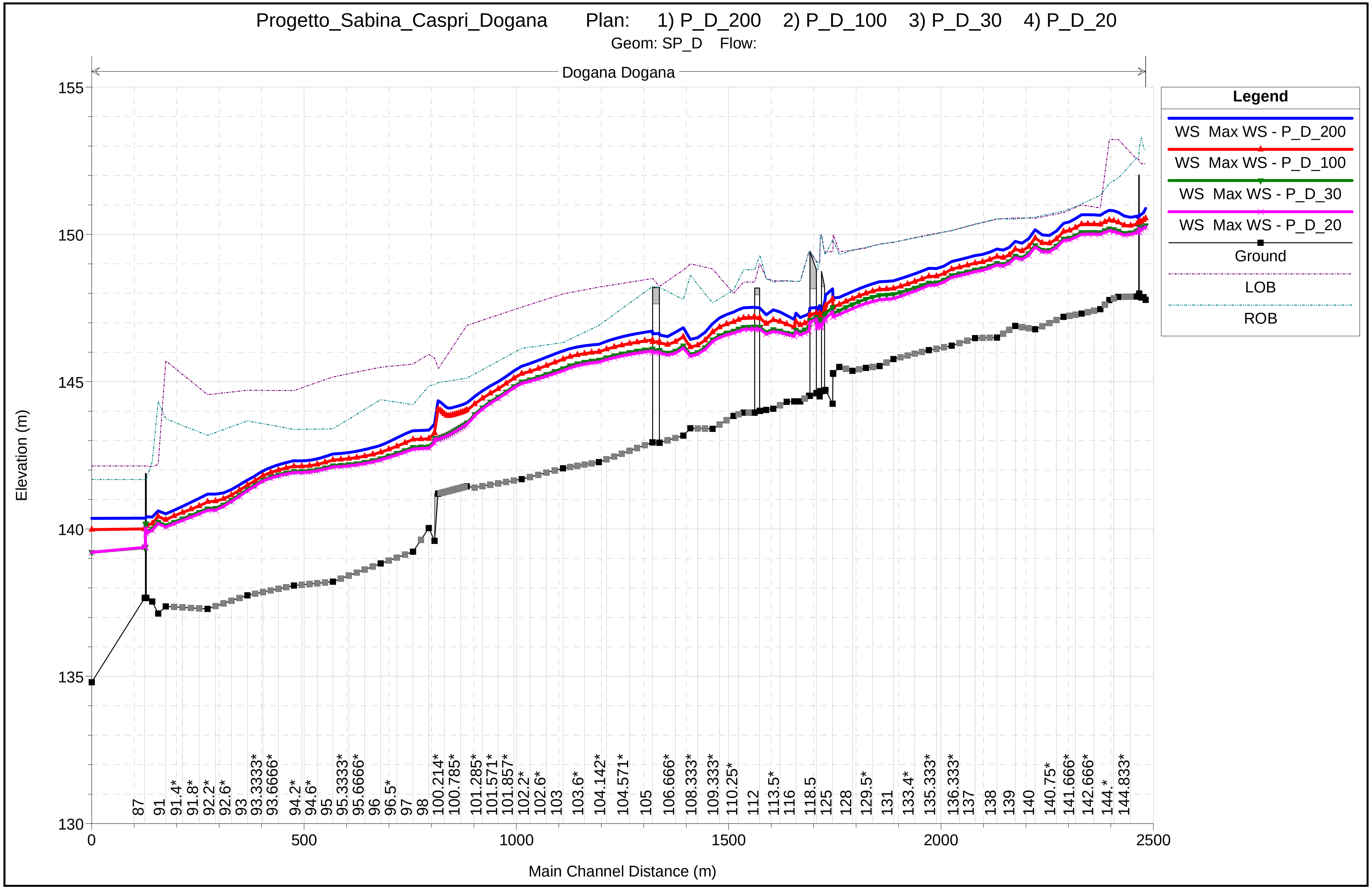
- moto vario

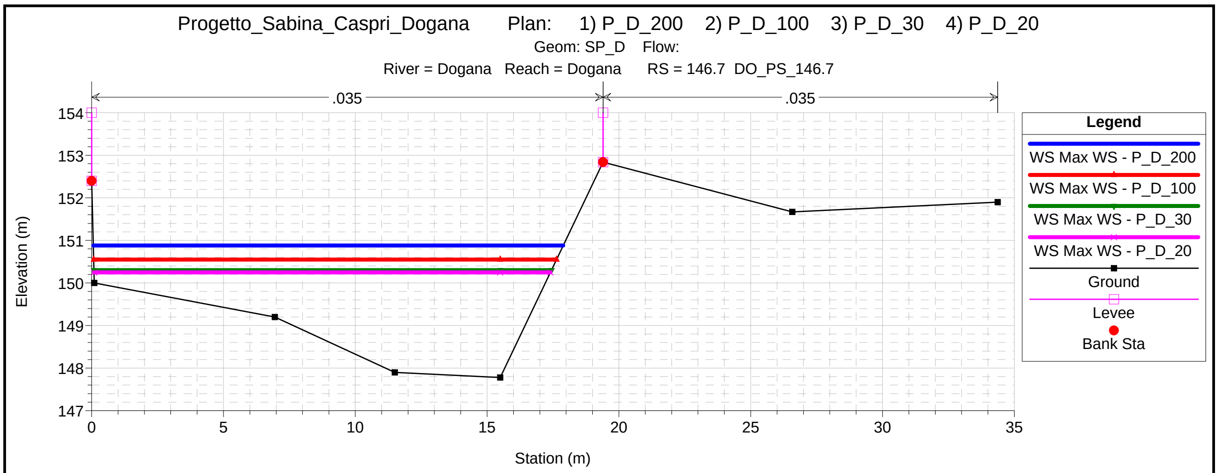
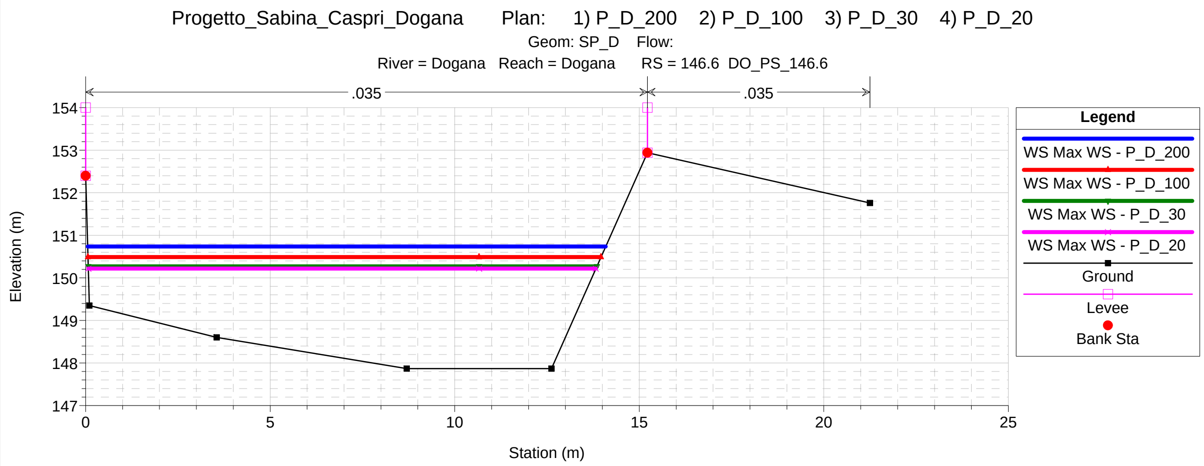
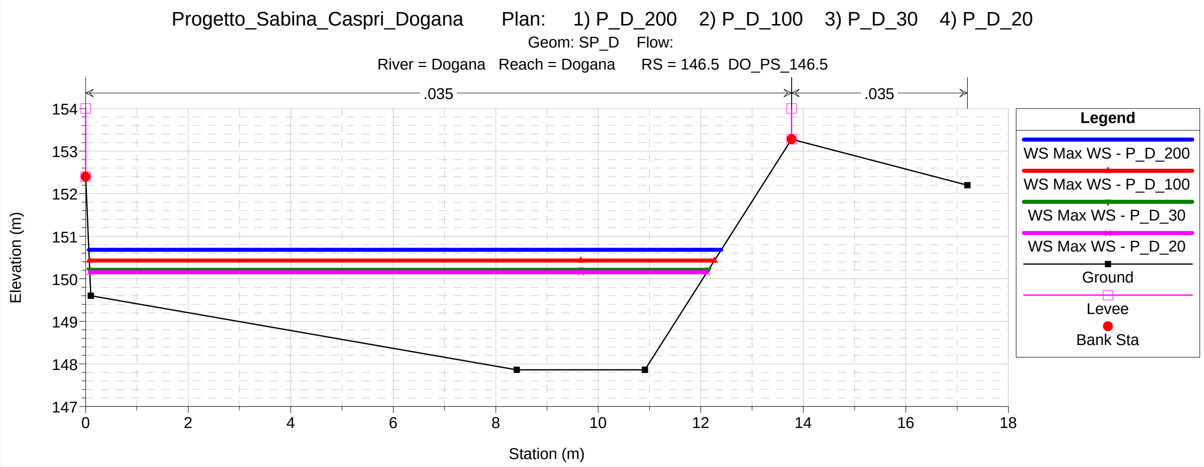
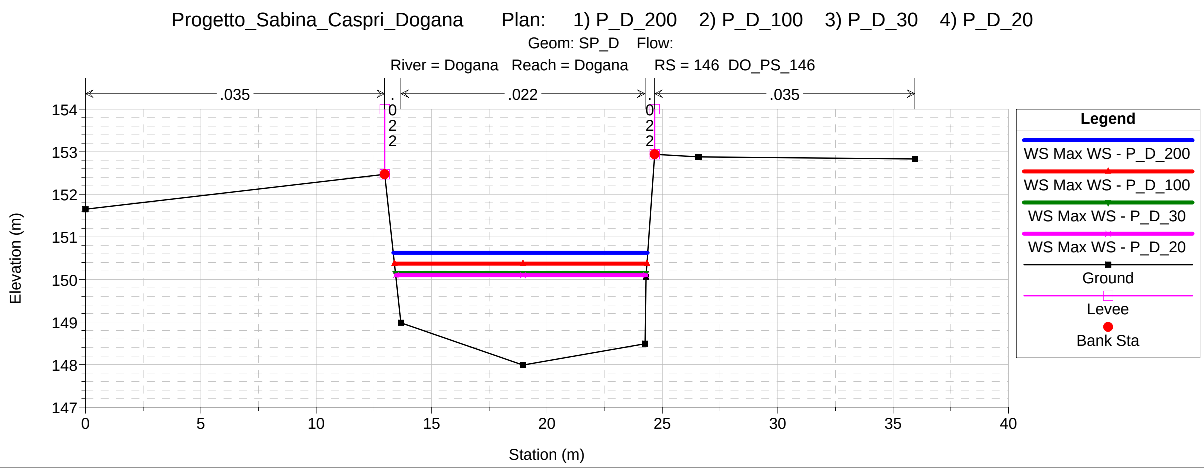
  Tr=200, 100, 30 e 20 anni

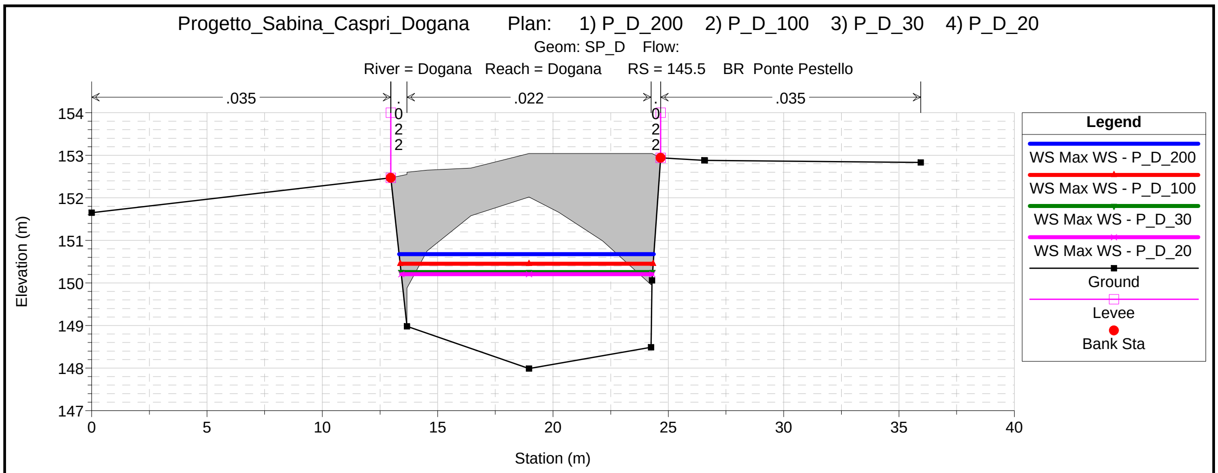
  profilo

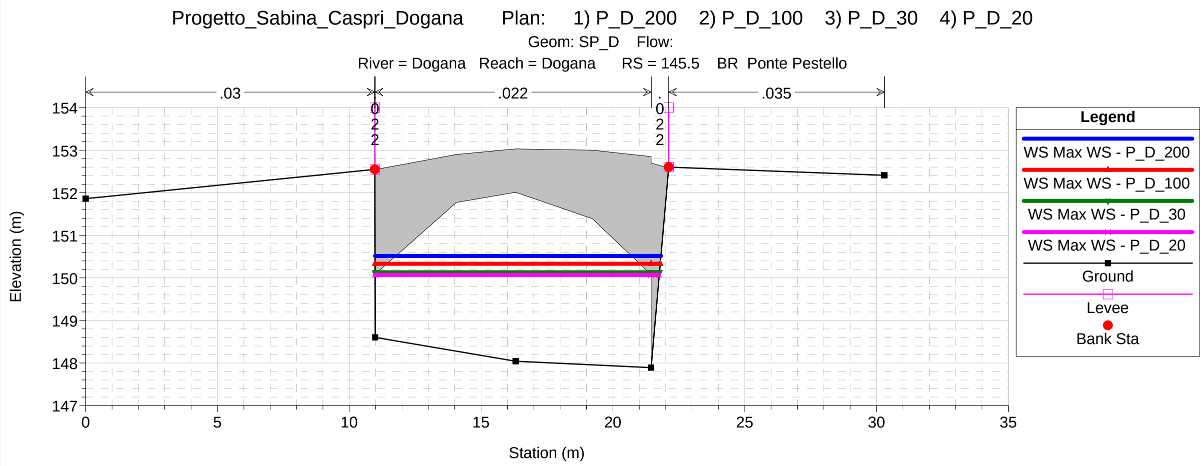
  livelli idrici nelle sezioni di verifica

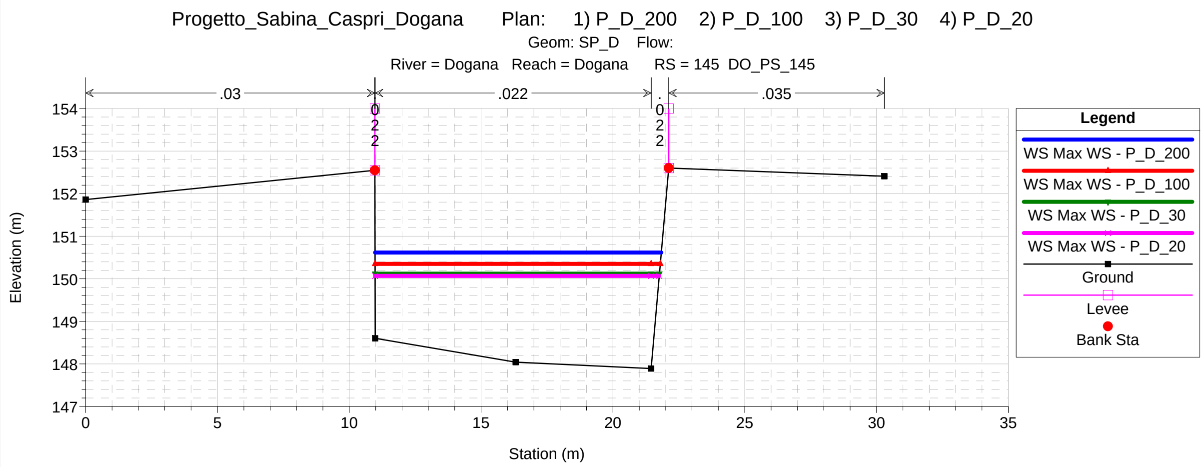
  tabella di output del software Hec-ras 4.0

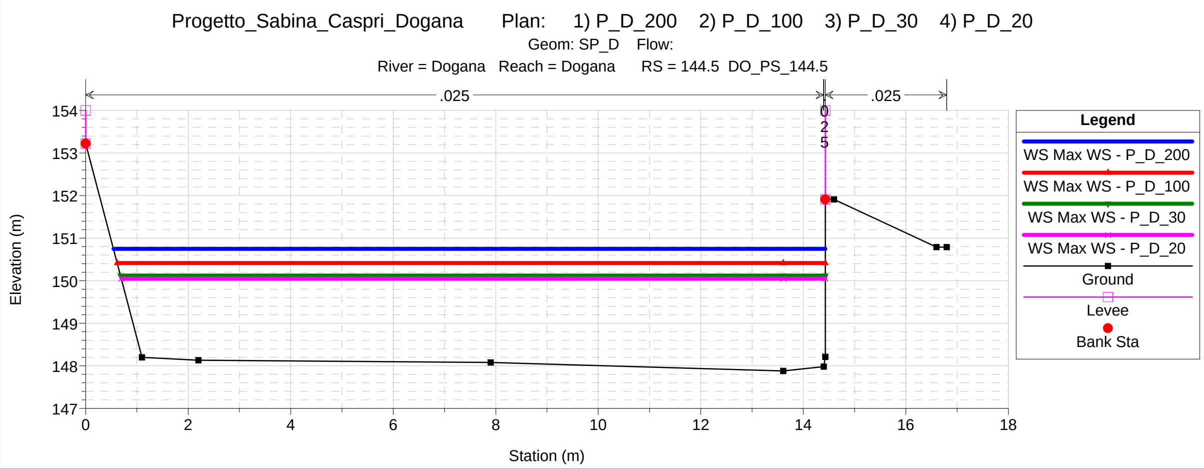

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
Dogana Dogana
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
LOB
ROB
Elevation (m)
Main Channel Distance (m)
155
150
145
140
135
130
0
500
1000
1500
2000
2500
87
91
91.4*
91.8*
92.2*
92.6*
93
93.3333*
93.6666*
94.2*
94.6*
95
95.3333*
95.6666*
96
96.5*
97
98
100.214*
100.785*
101.285*
101.571*
101.857*
102.2*
102.6*
103
103.6*
104.142*
104.571*
105
106.666*
108.333*
109.333*
110.25*
112
113.5*
116
118.5
125
128
129.5*
131
133.4*
135.333*
136.333*
137
138
139
140
140.75*
141.666*
142.666*
144.*
144.833*

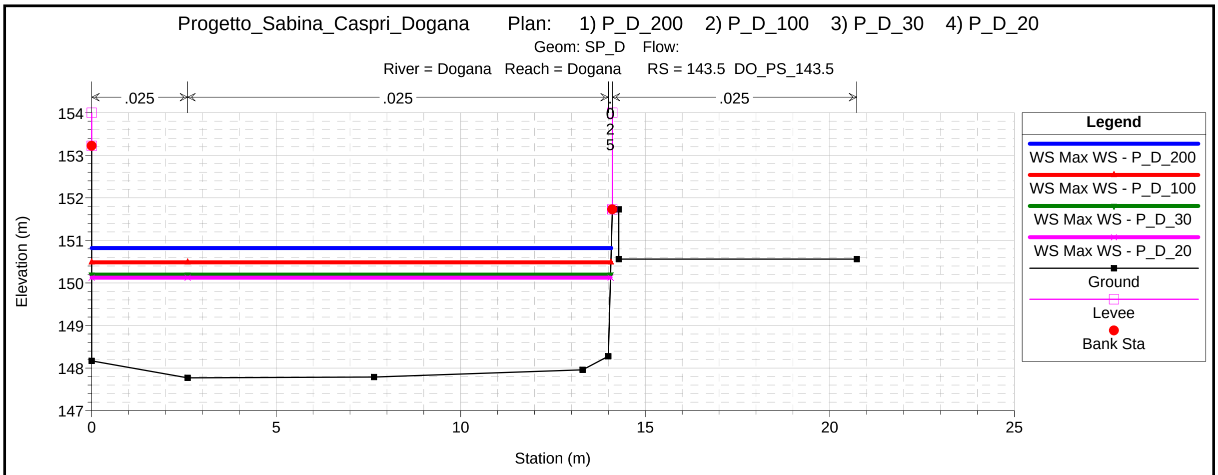

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 146.7 DO_PS_146.7
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 146.6 DO_PS_146.6
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 146.5 DO_PS_146.5
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 146 DO_PS_146
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

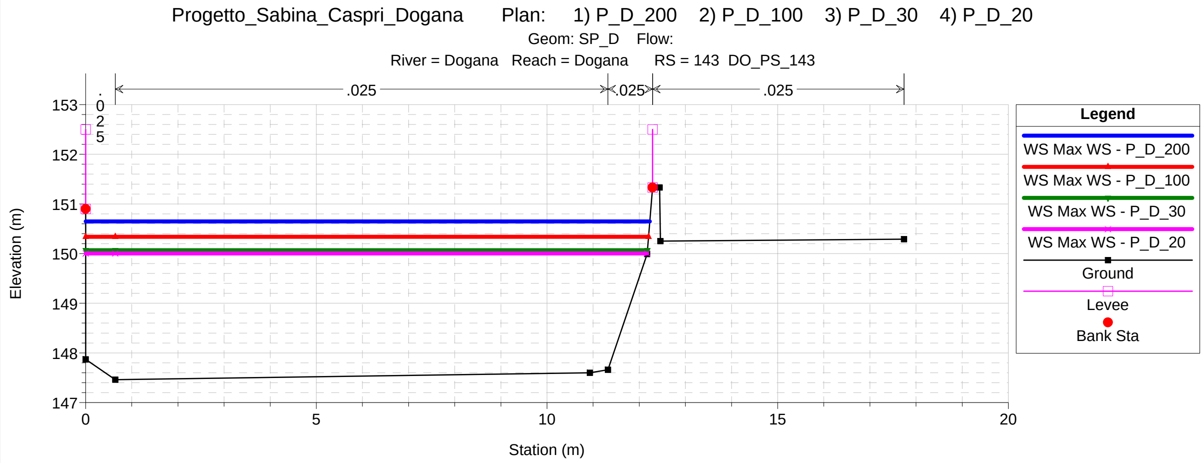

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 145.5 BR Ponte Pestello
.035
.022
.035
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

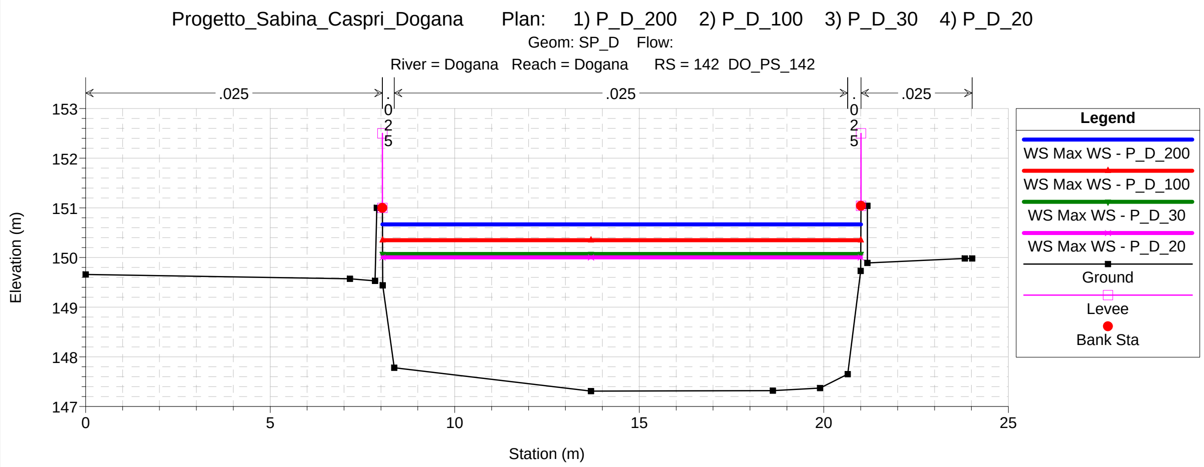

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 145.5 BR Ponte Pestello
.03
.022
.035
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

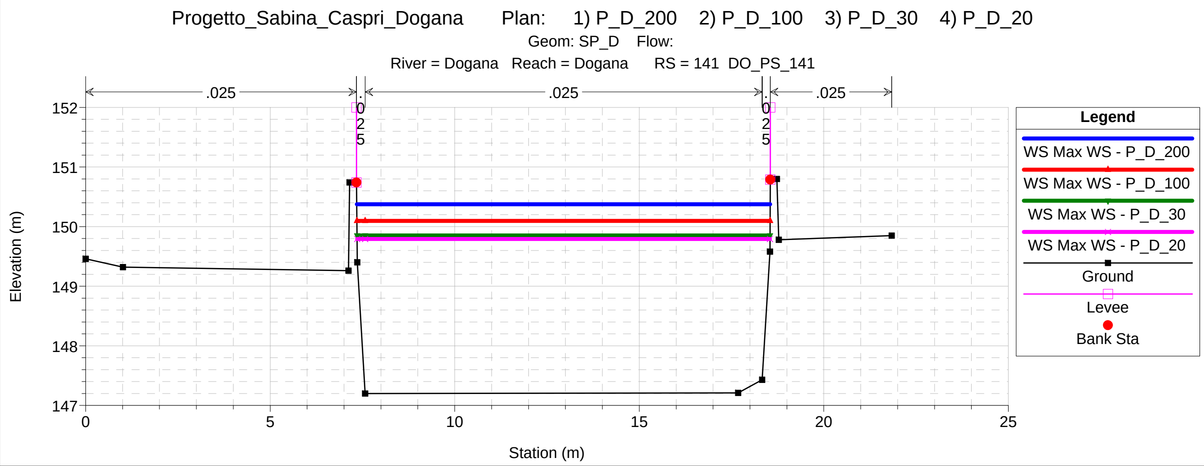

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 145 DO_PS_145
.03
.022
.035
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

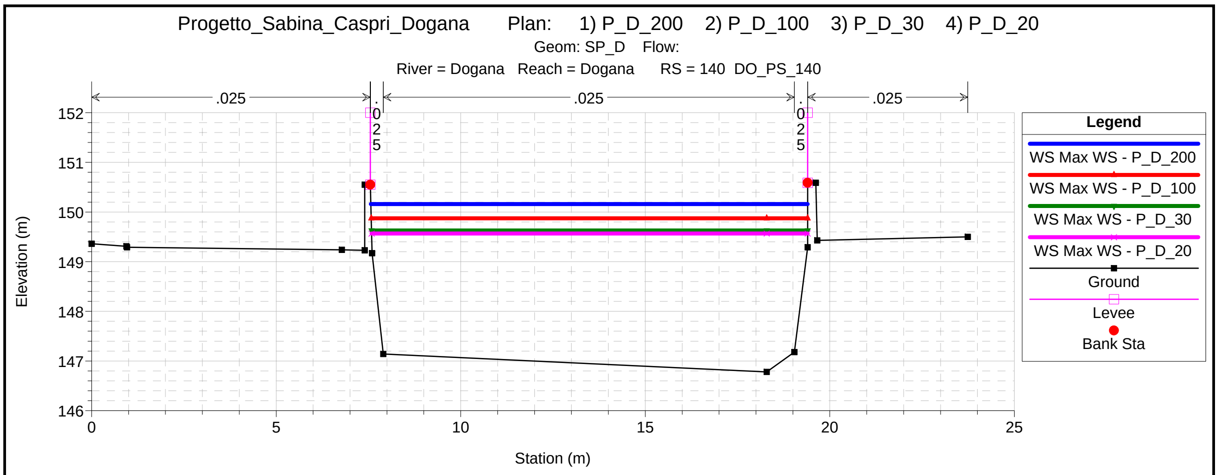

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 144.5 DO_PS_144.5
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 143.5 DO_PS_143.5
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

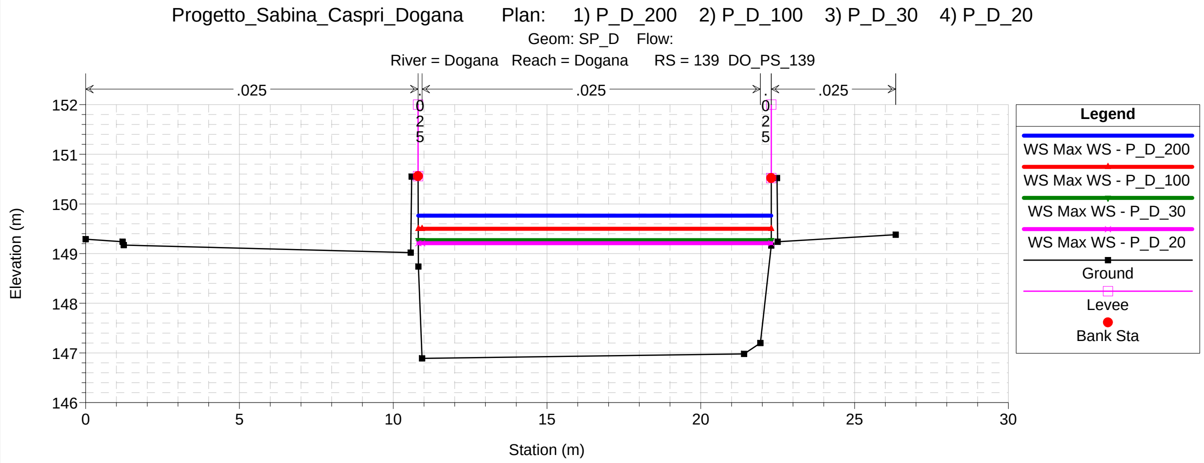

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 143 DO_PS_143
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 142 DO_PS_142
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

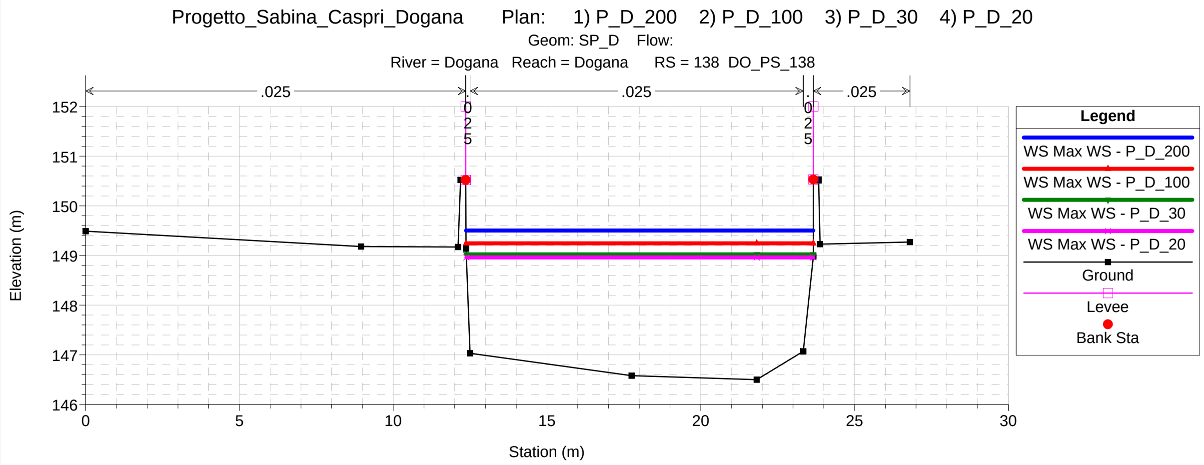

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 141 DO_PS_141
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)



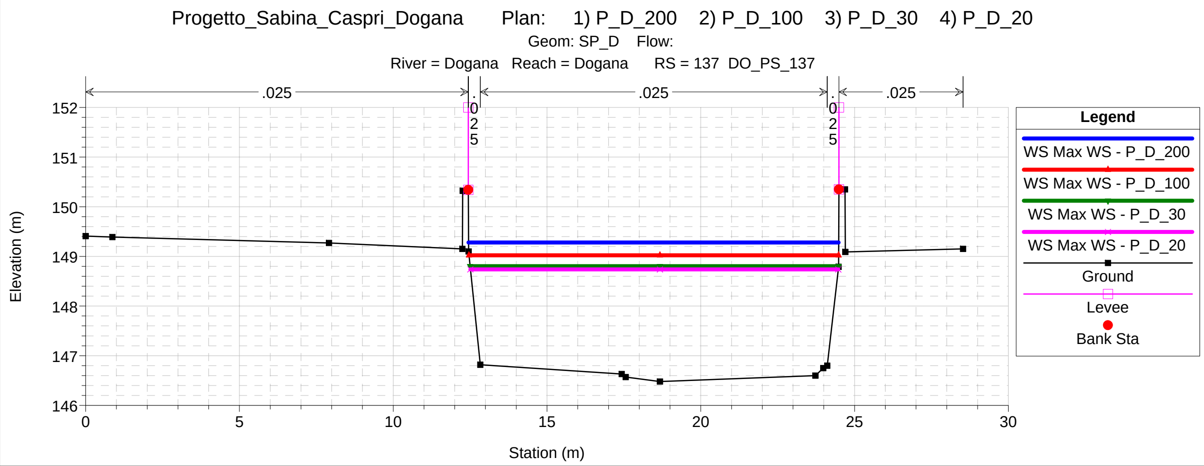
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 140 DO_PS_140
.025
.025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta



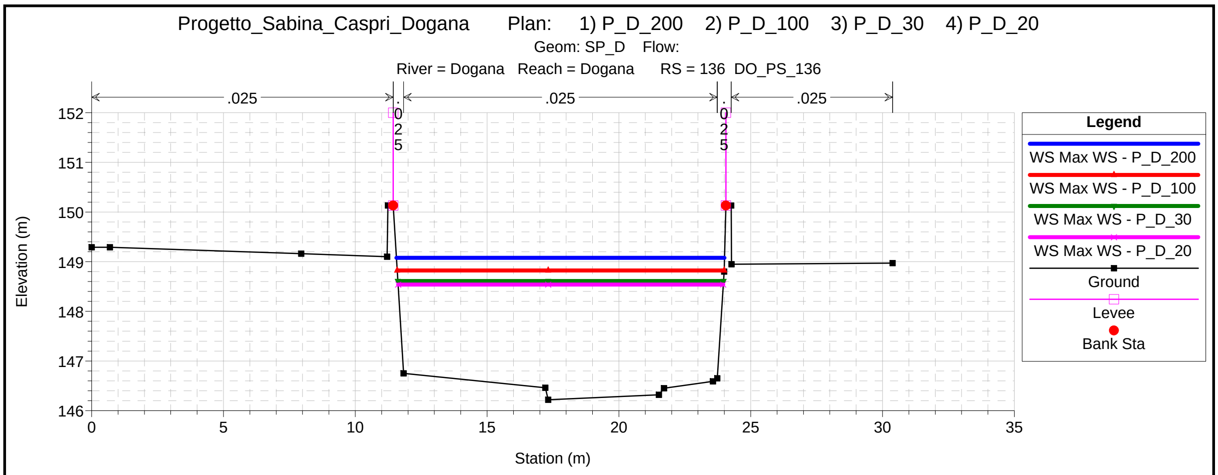
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 139 DO_PS_139
.025
.025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

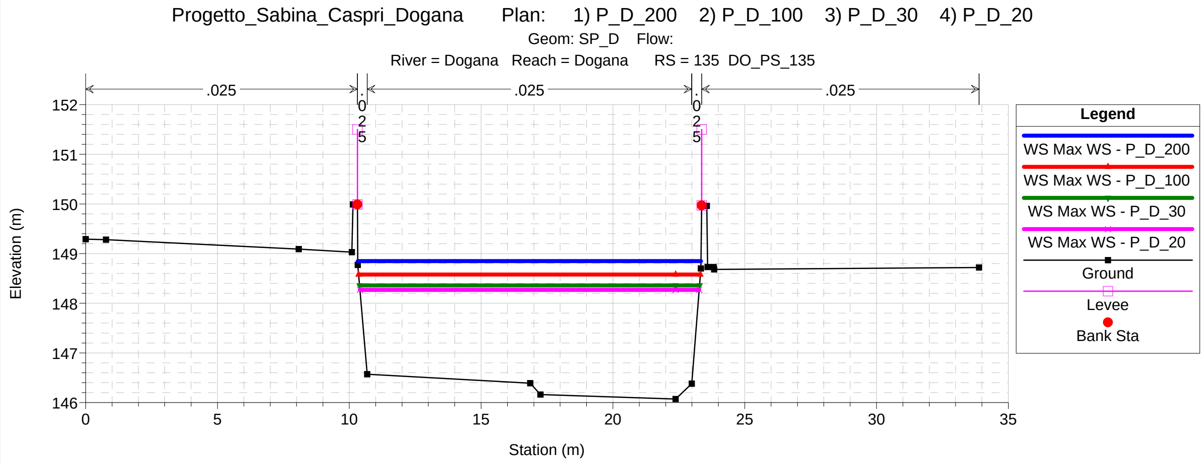


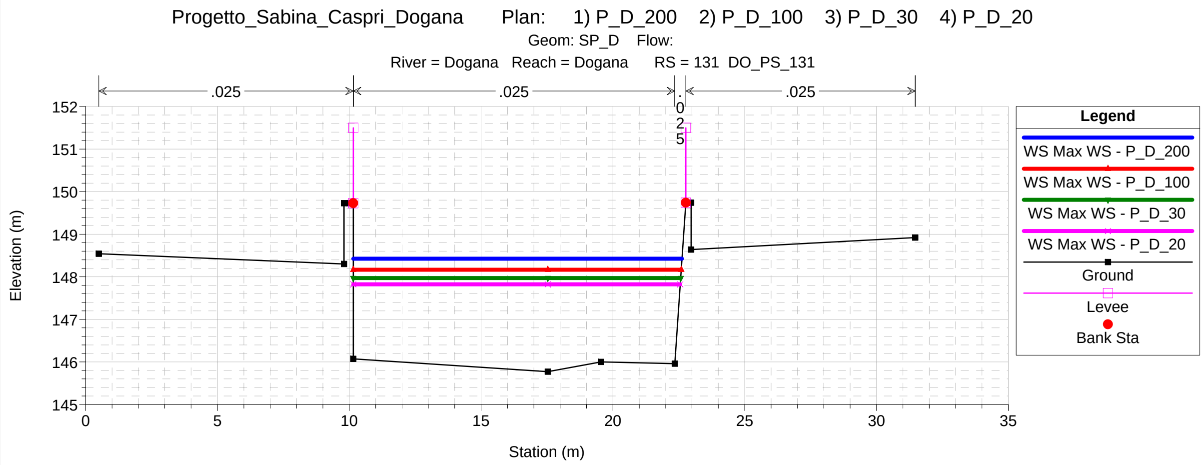
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 138 DO_PS_138
.025
.025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

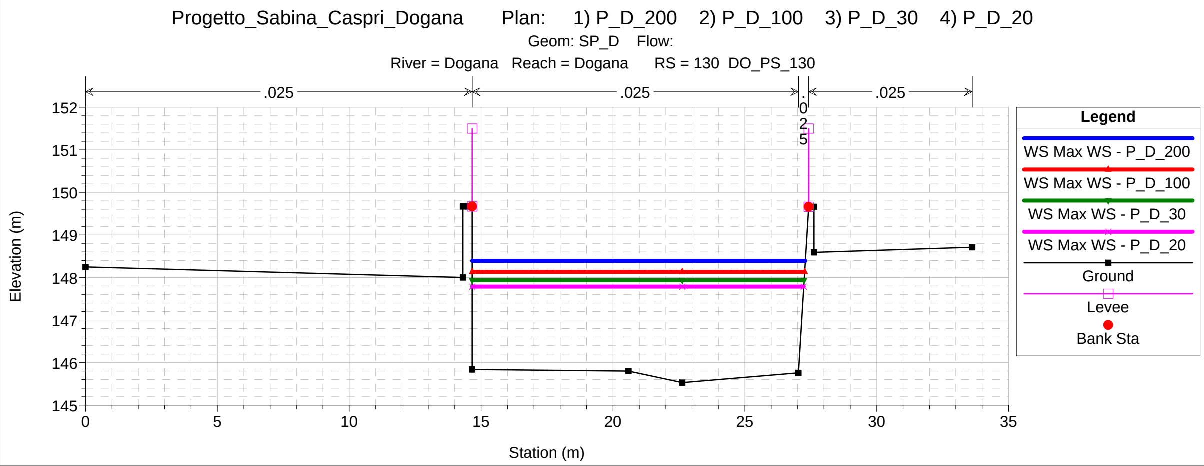


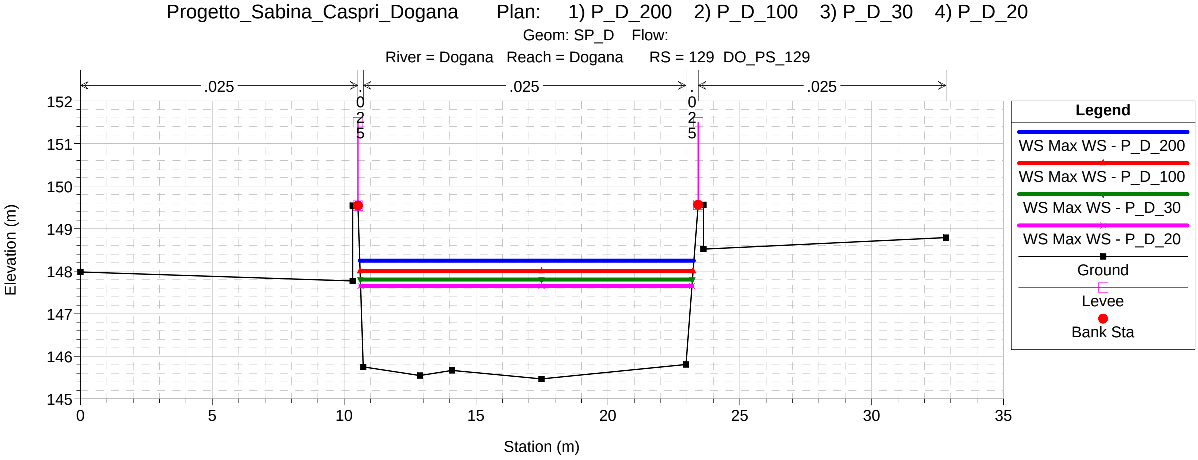
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 137 DO_PS_137
.025
.025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

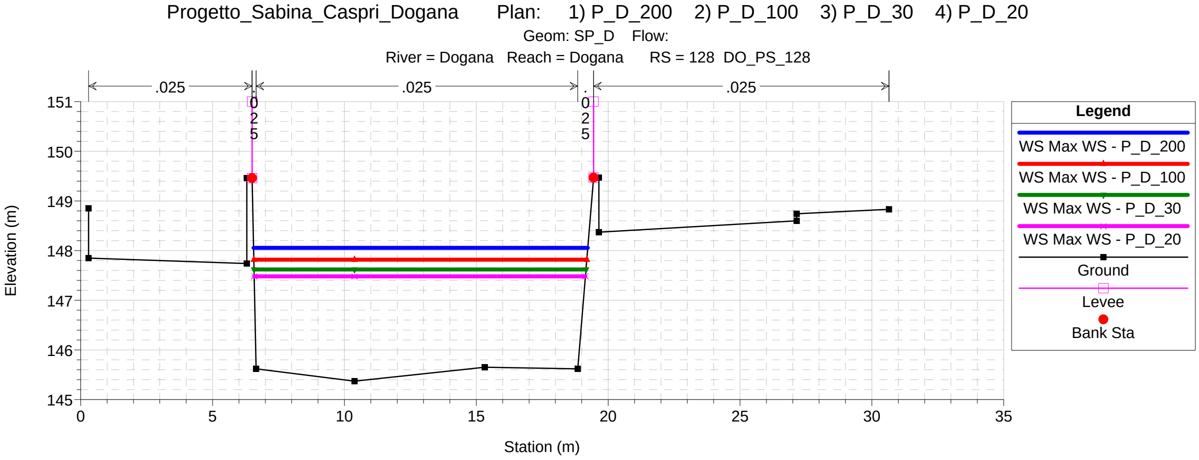

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 136 DO_PS_136
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

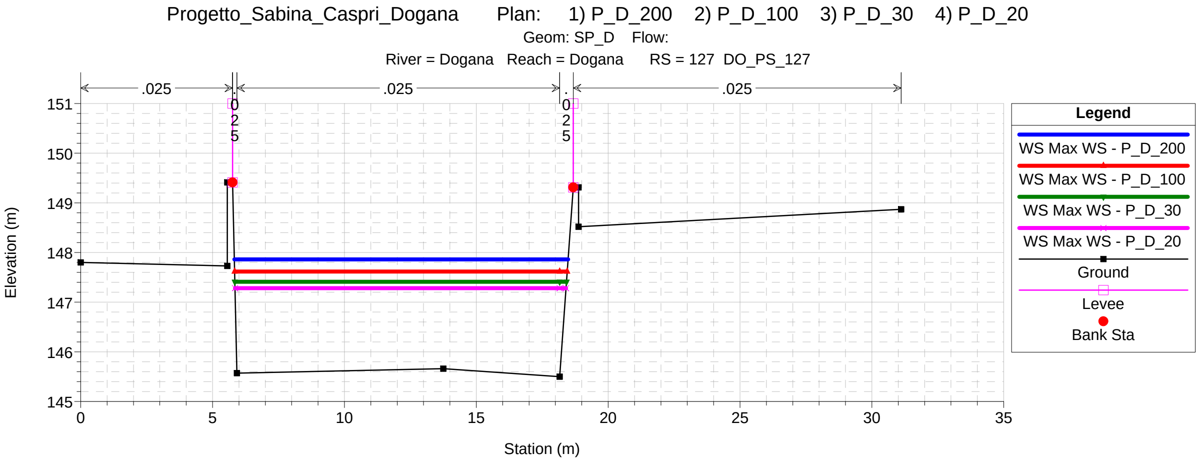

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 135 DO_PS_135
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

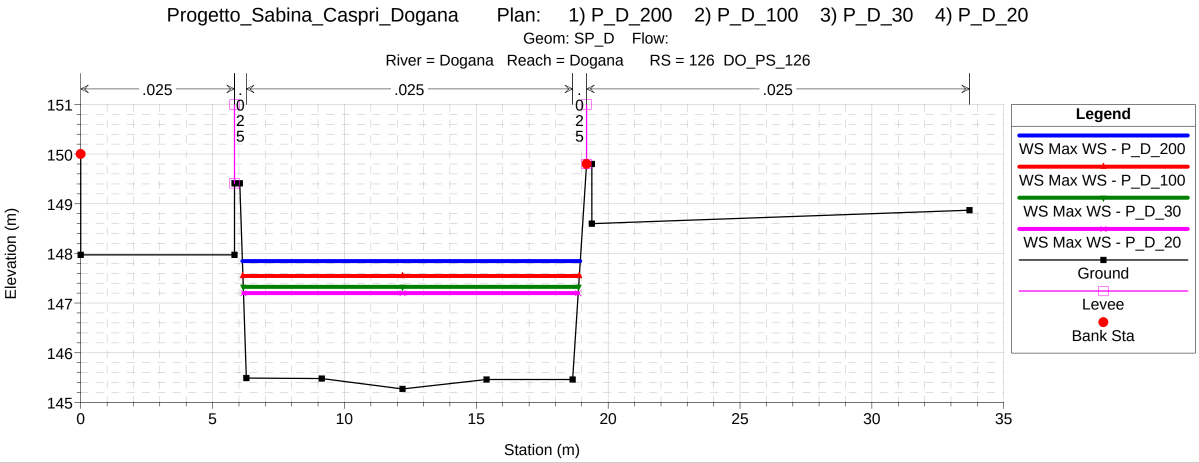

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 131 DO_PS_131
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

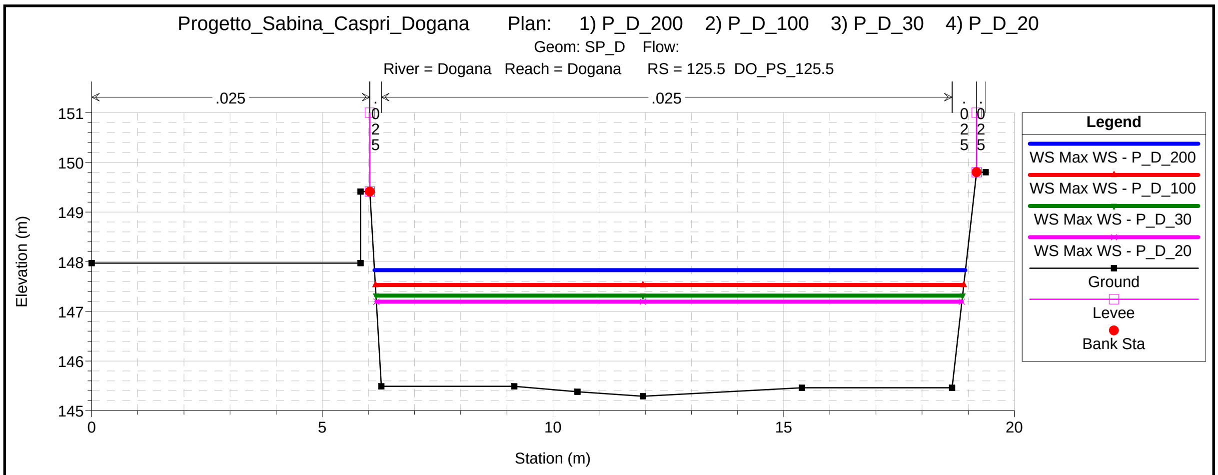

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 130 DO_PS_130
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

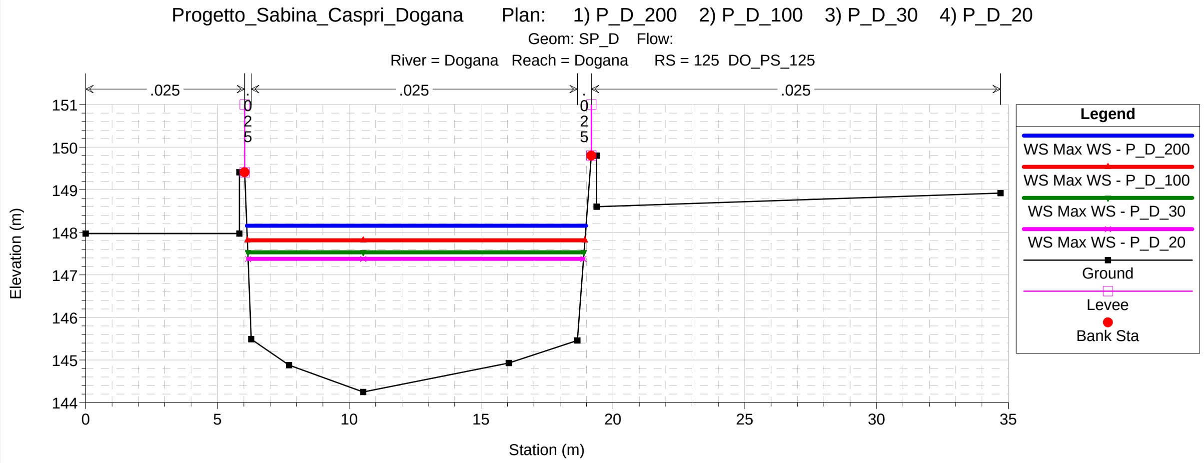

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 129 DO_PS_129
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

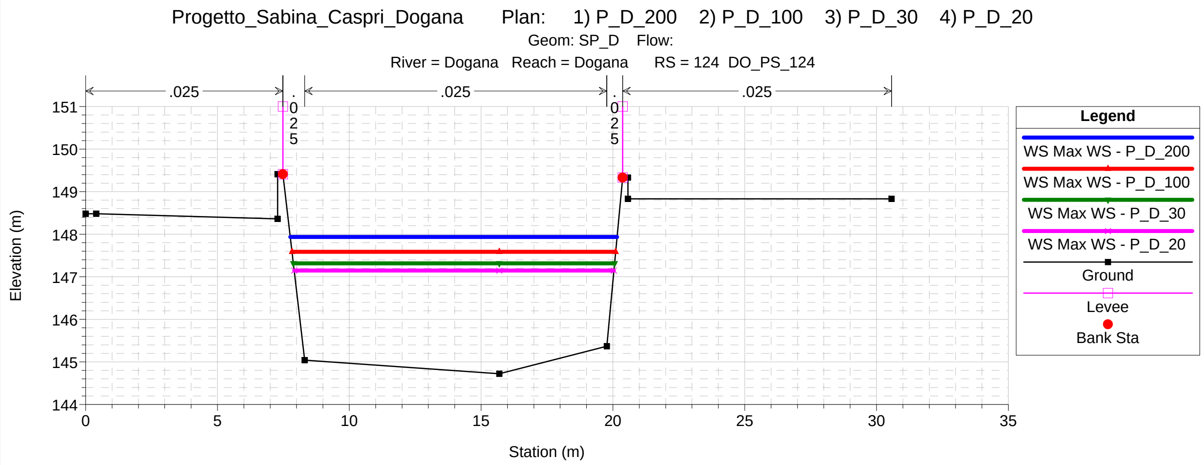

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 128 DO_PS_128
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

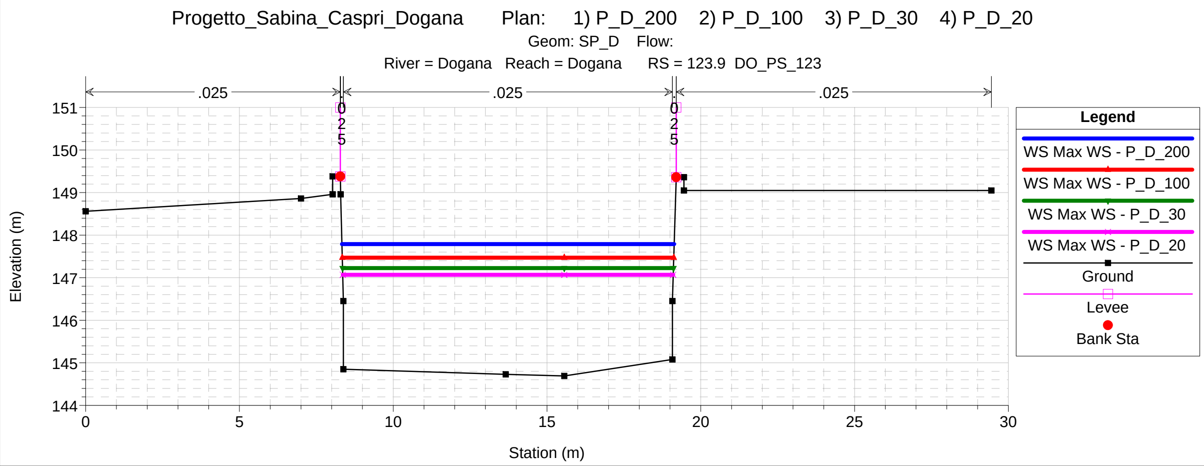

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 127 DO_PS_127
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

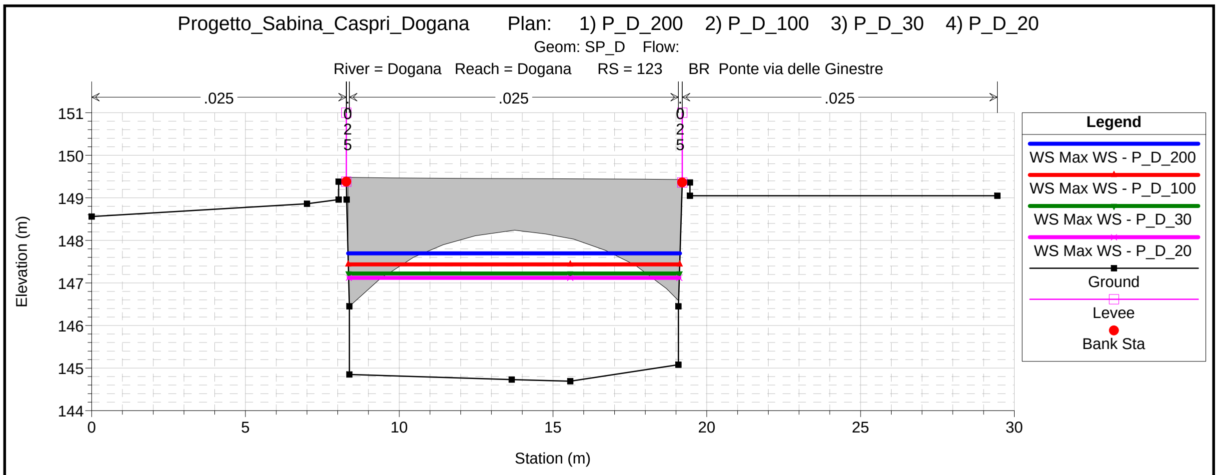

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 126 DO_PS_126
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

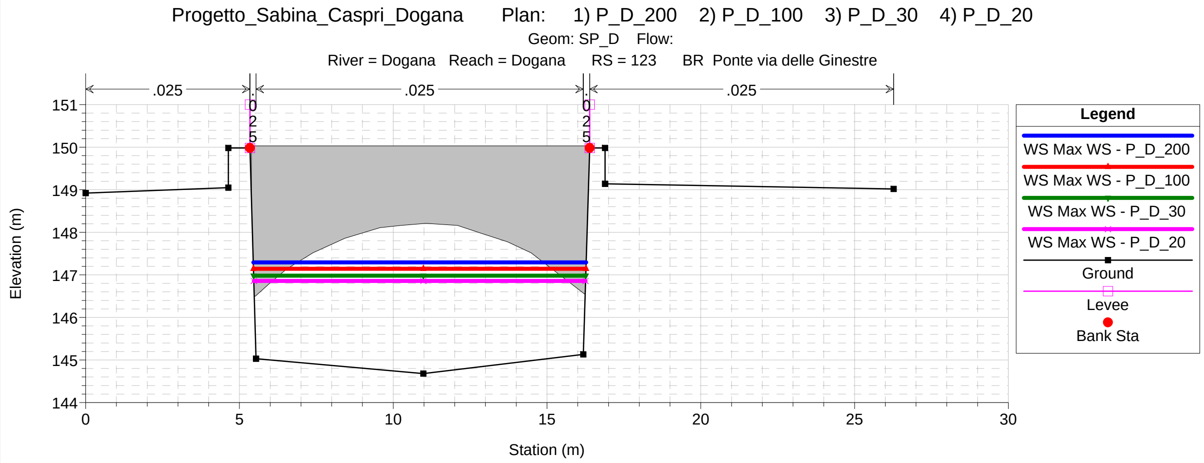

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 125.5 DO_PS_125.5
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

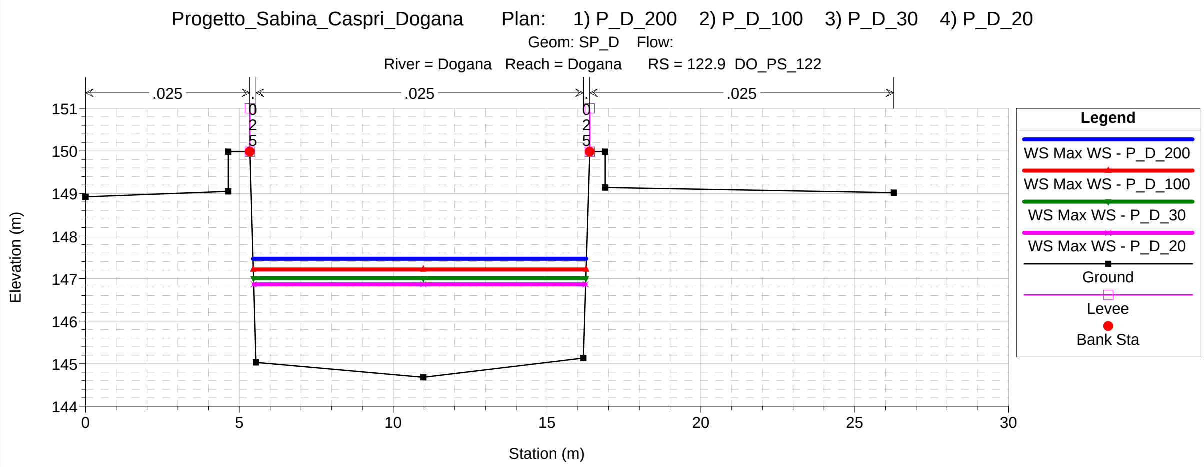

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 125 DO_PS_125
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

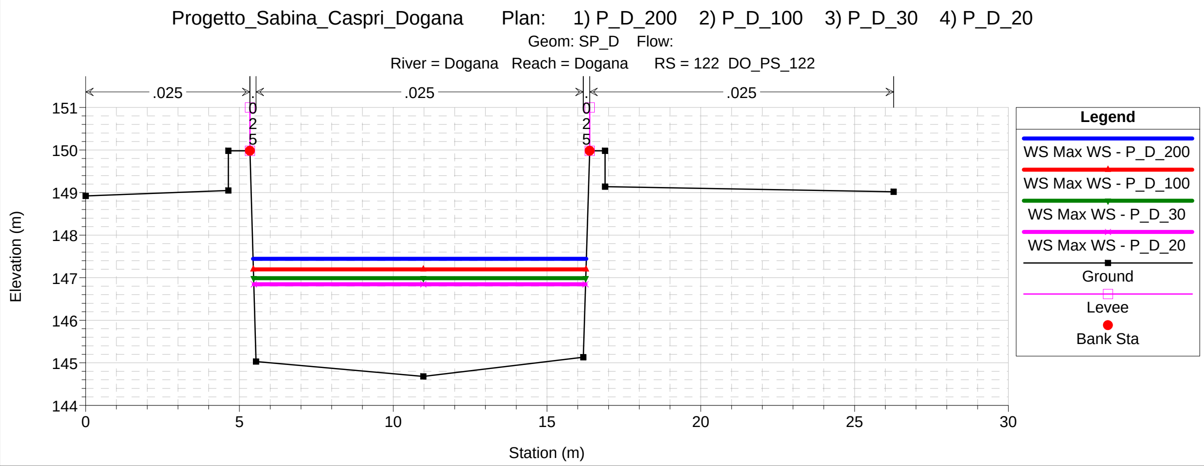

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 124 DO_PS_124
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

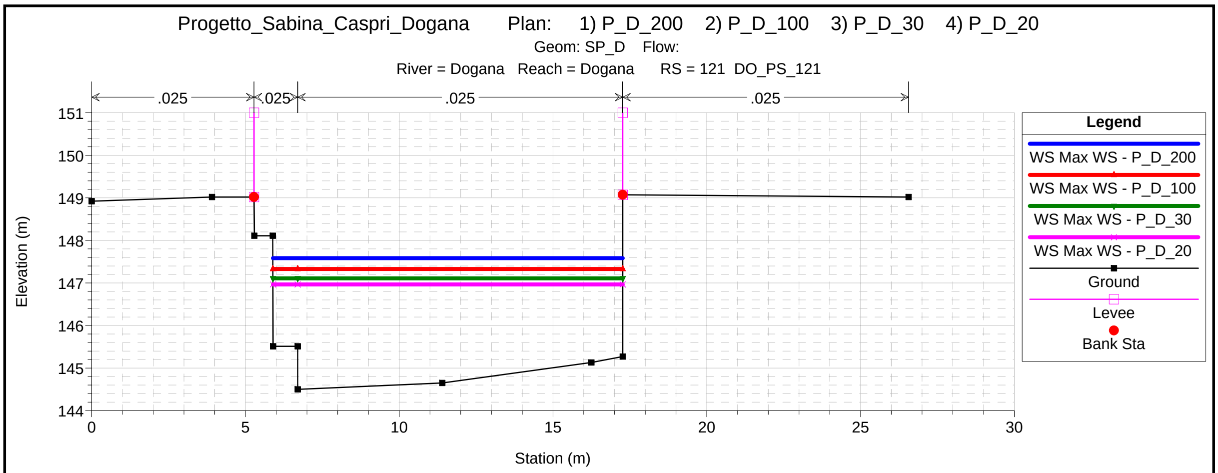

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 123.9 DO_PS_123
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

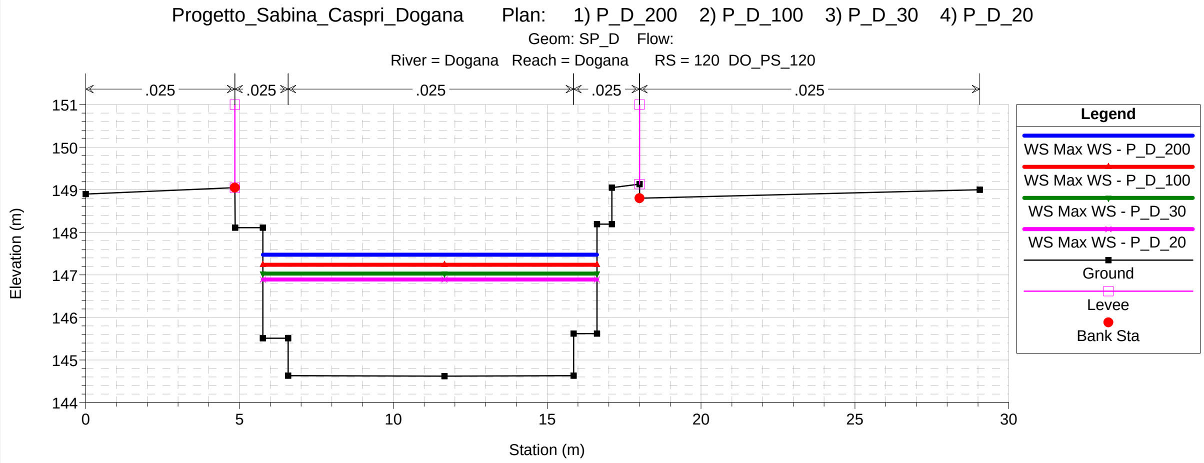

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 123 BR Ponte via delle Ginestre
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

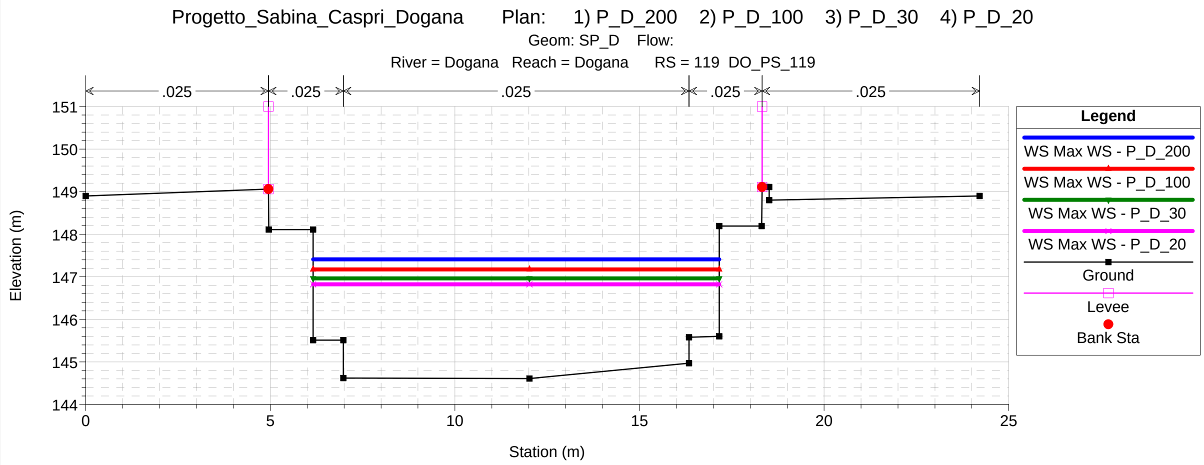

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 123 BR Ponte via delle Ginestre
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

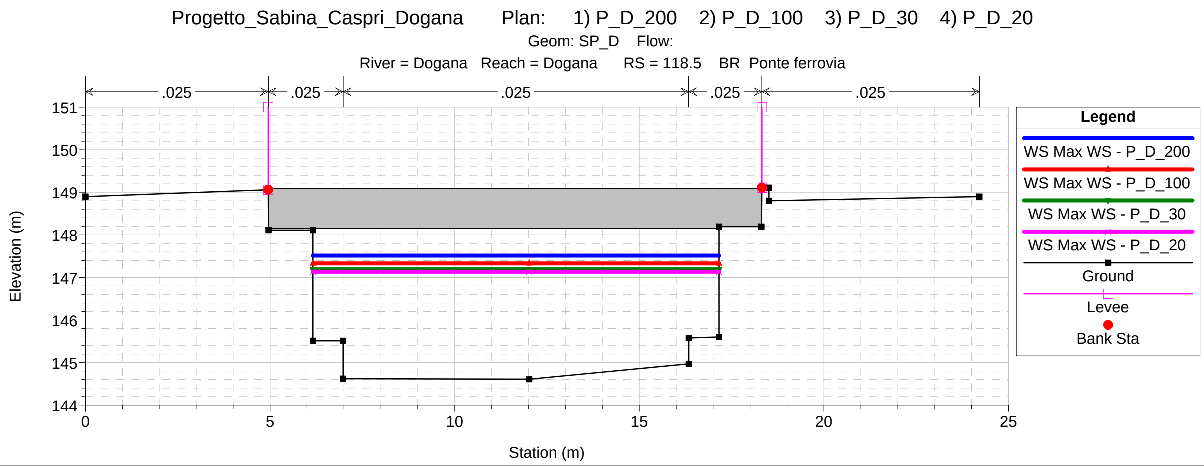

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 122.9 DO_PS_122
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

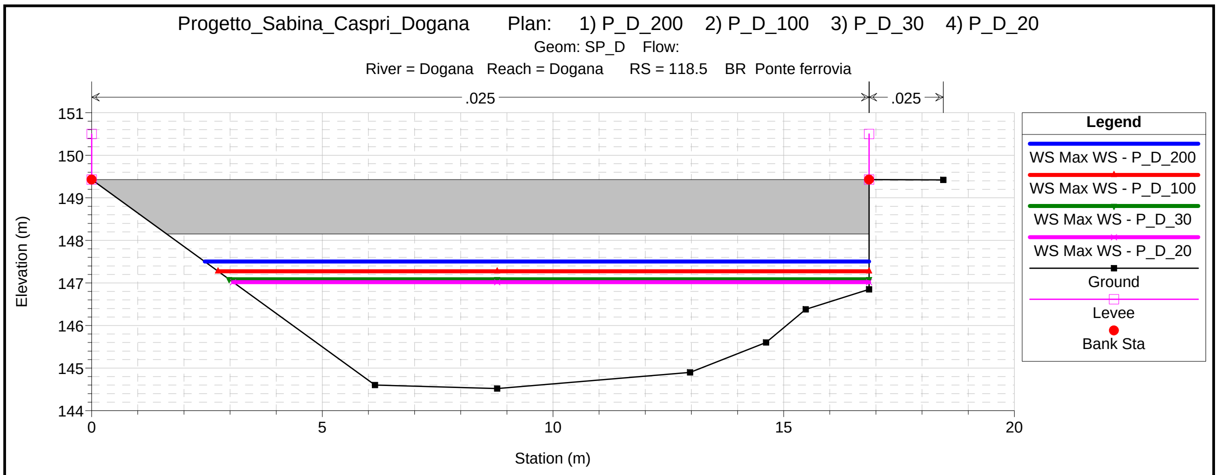

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 122 DO_PS_122
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

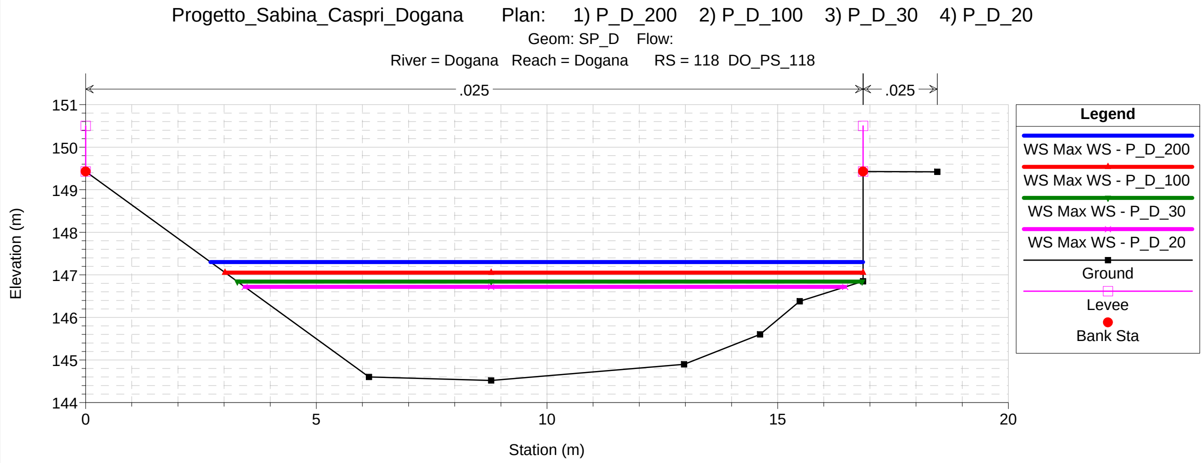

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 121 DO_PS_121
.025
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

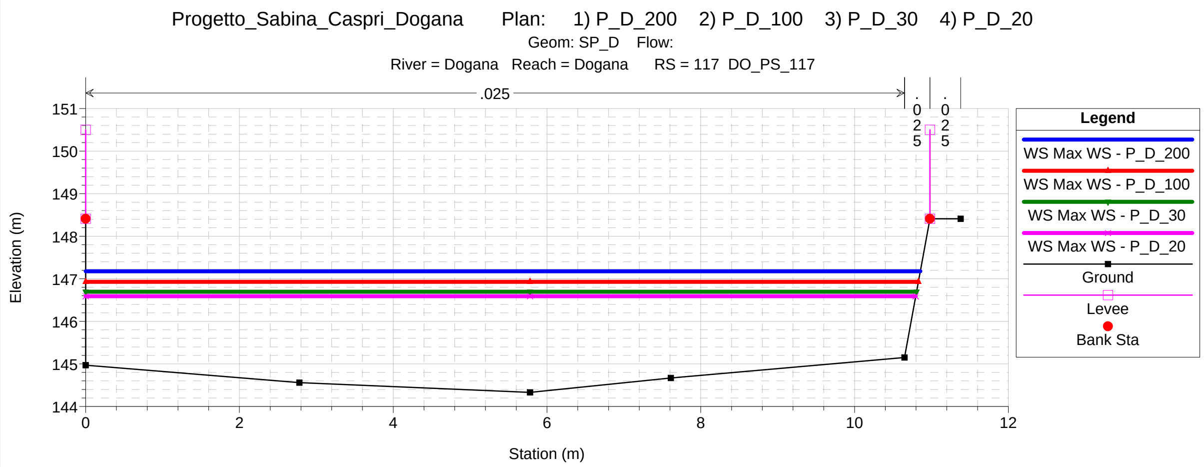

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 120 DO_PS_120
.025
.025
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

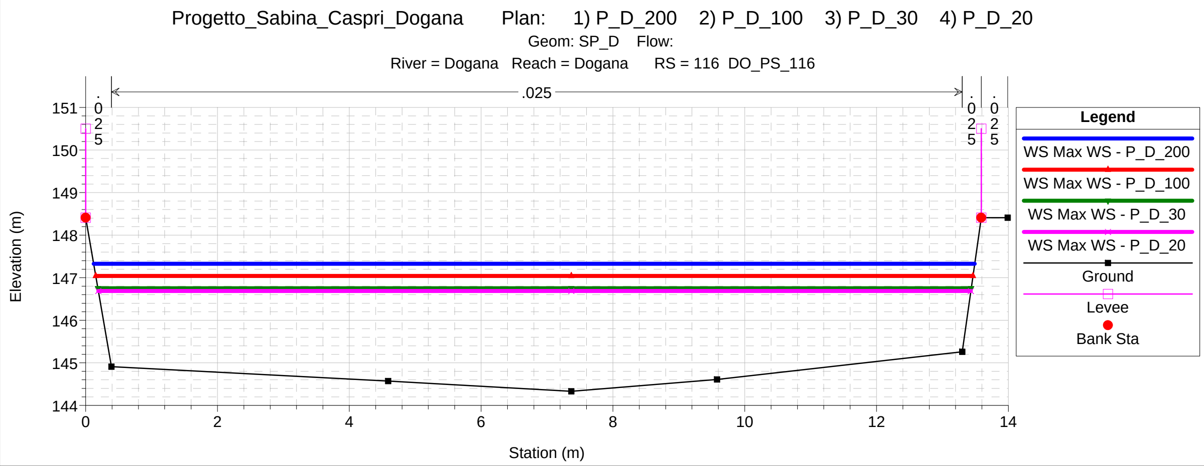

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 119 DO_PS_119
.025
.025
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 118.5 BR Ponte ferrovia
.025
.025
.025
.025
.025
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

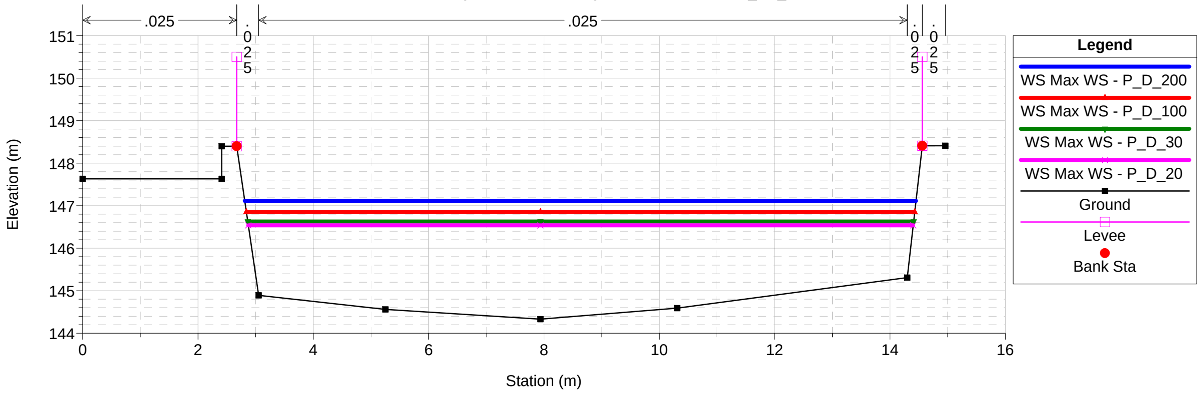

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 118.5 BR Ponte ferrovia
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 118 DO_PS_118
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

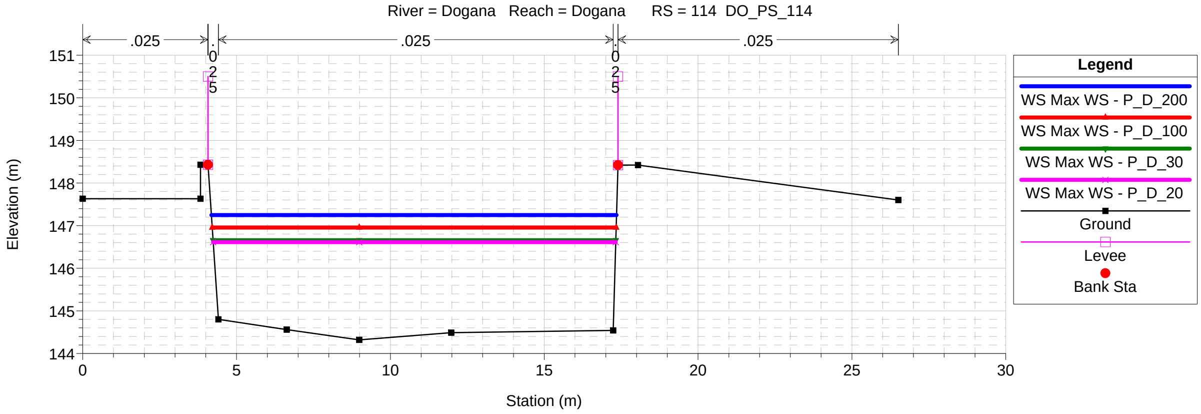

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 117 DO_PS_117
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 116 DO_PS_116
.025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

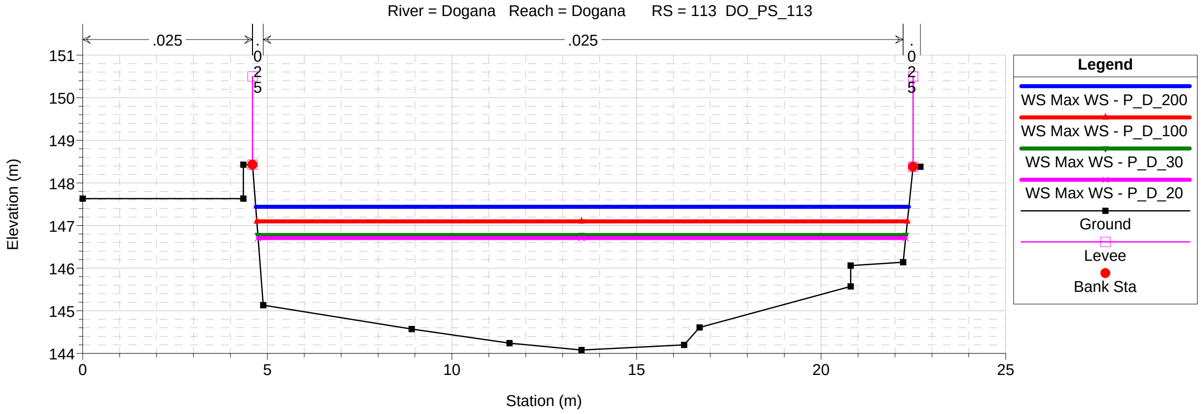
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 115 DO_PS_115



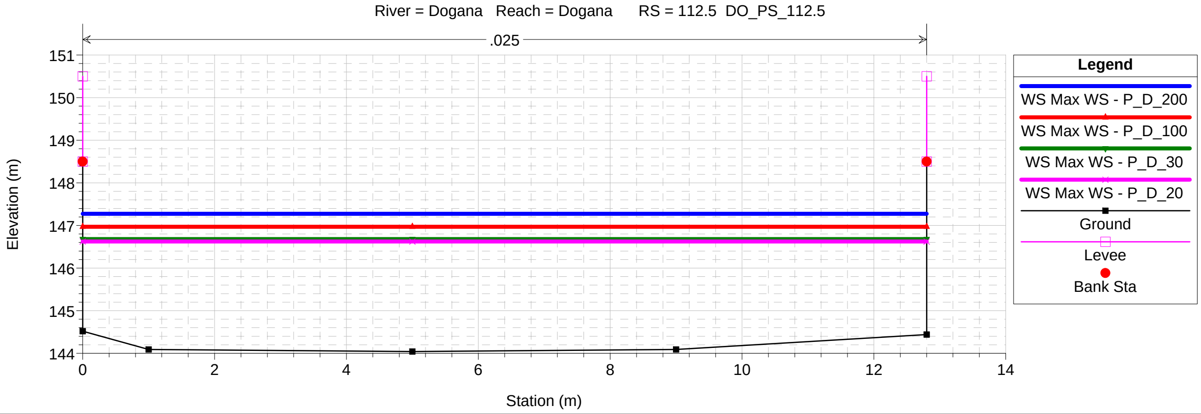
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 114 DO_PS_114

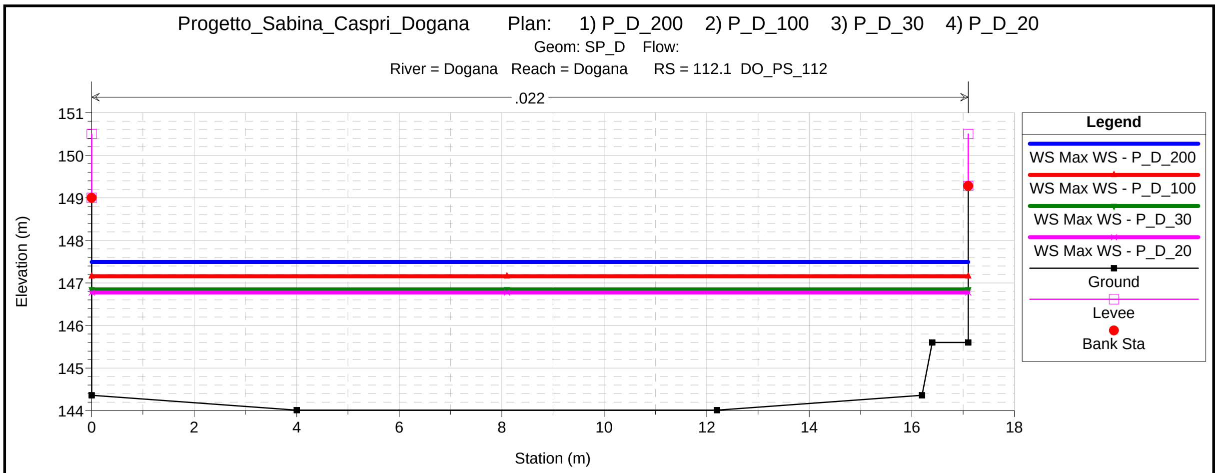


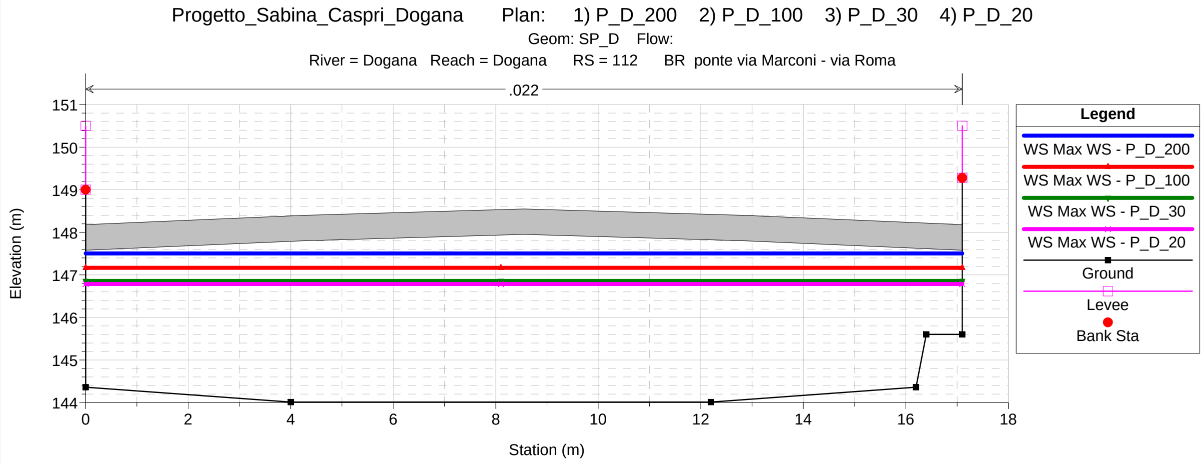
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 113 DO_PS_113

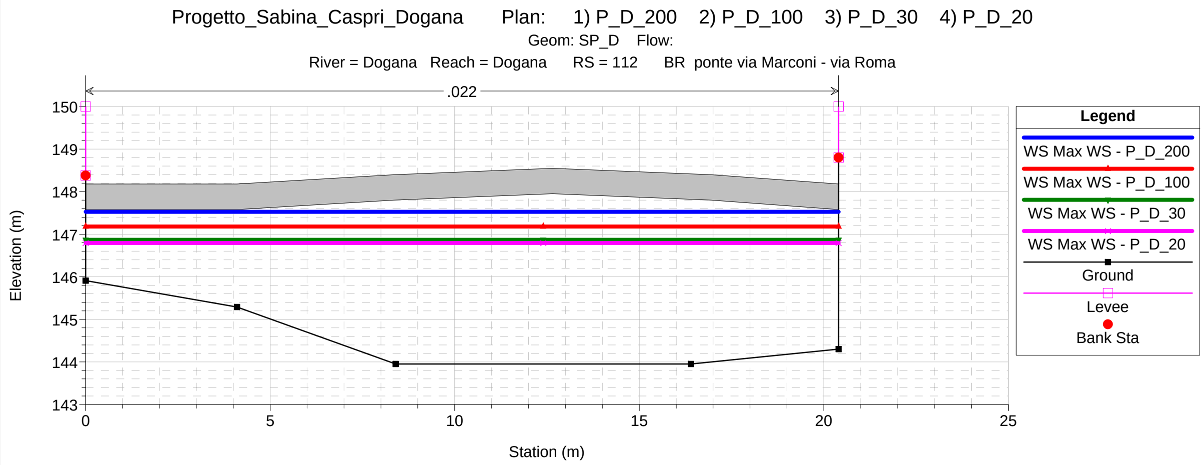


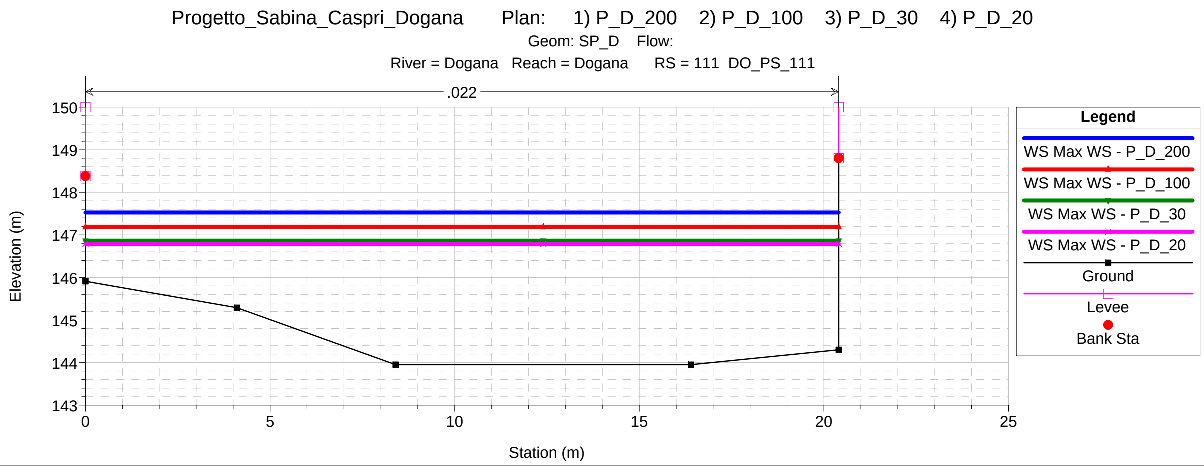
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 112.5 DO_PS_112.5

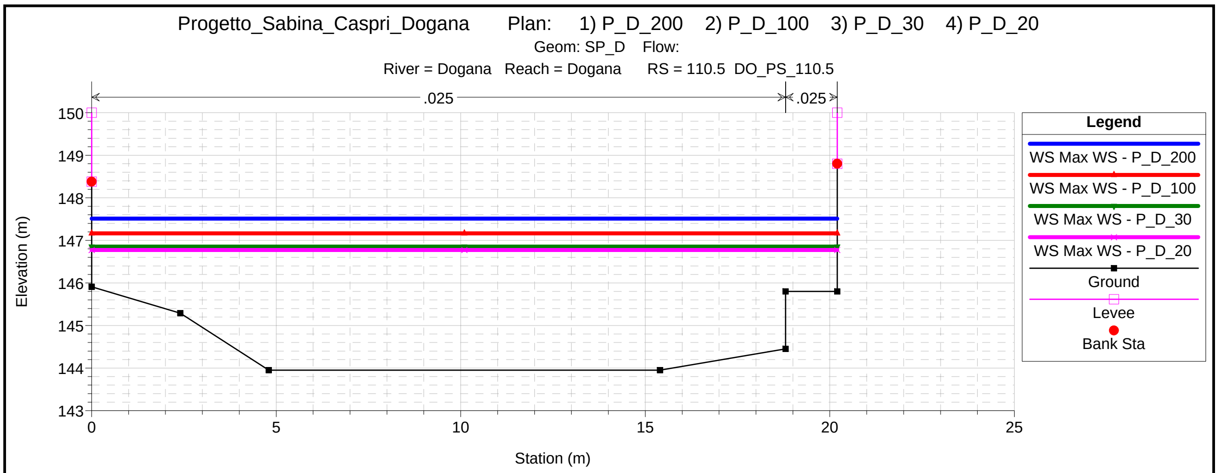



Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 112.1 DO_PS_112
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

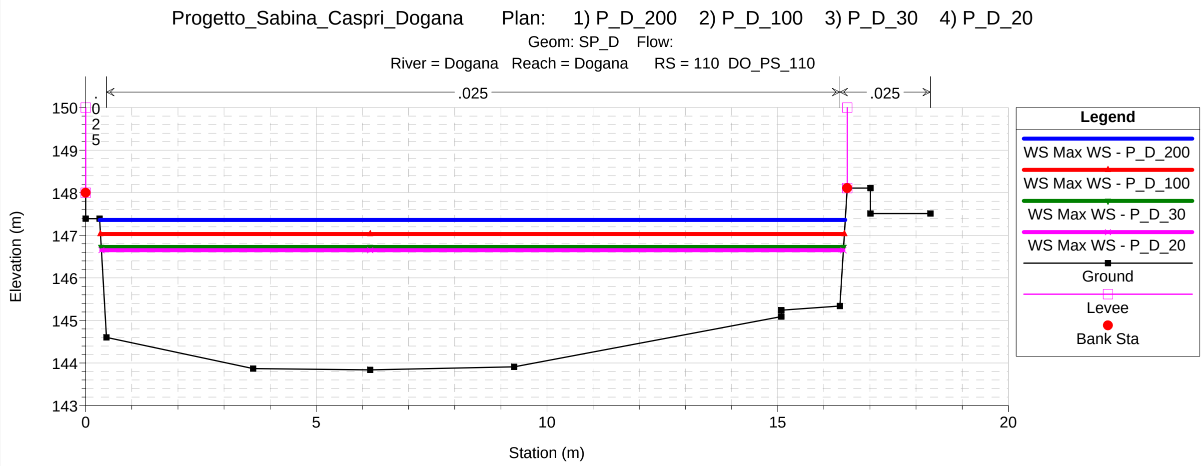

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 112 BR ponte via Marconi - via Roma
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 112 BR ponte via Marconi - via Roma
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

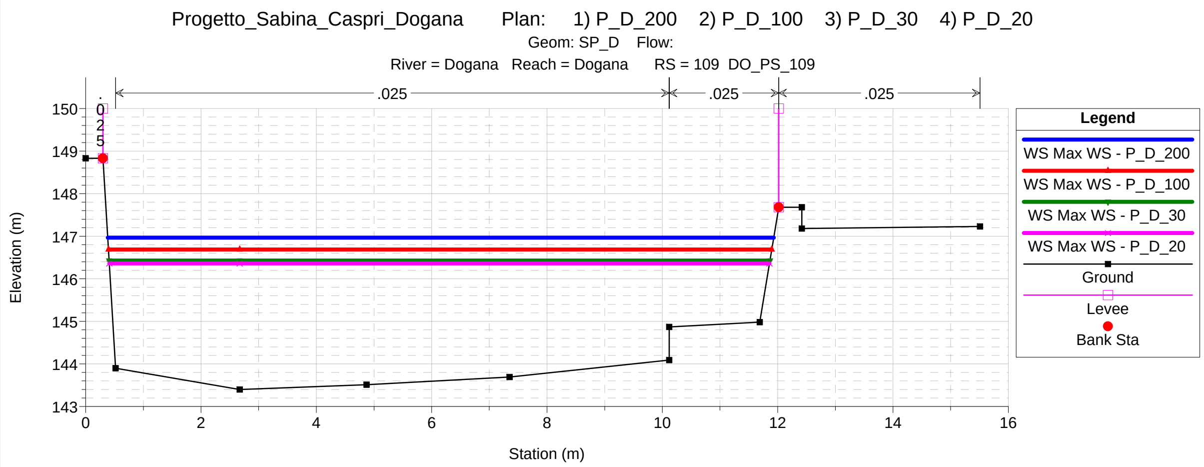

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 111 DO_PS_111
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta



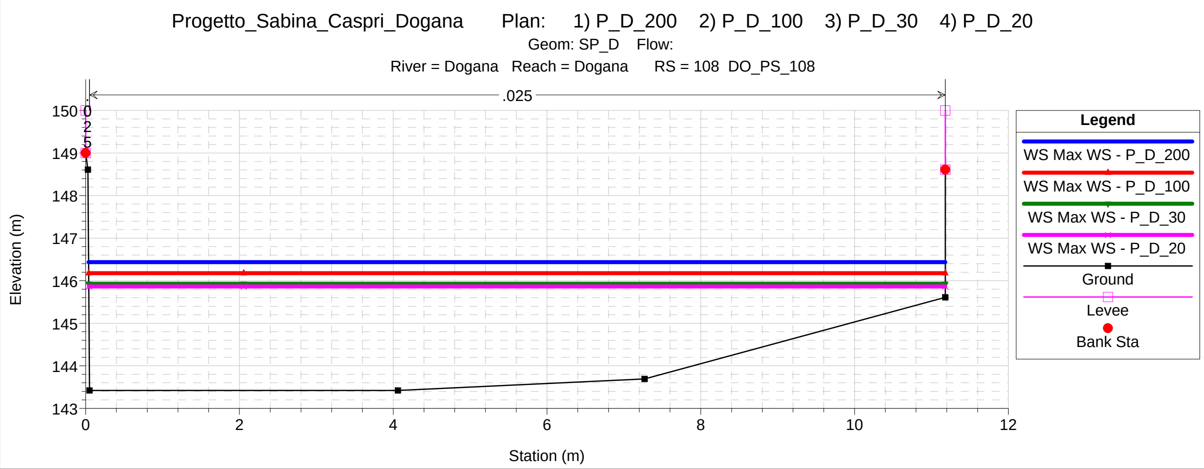
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 110.5 DO_PS_110.5
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta



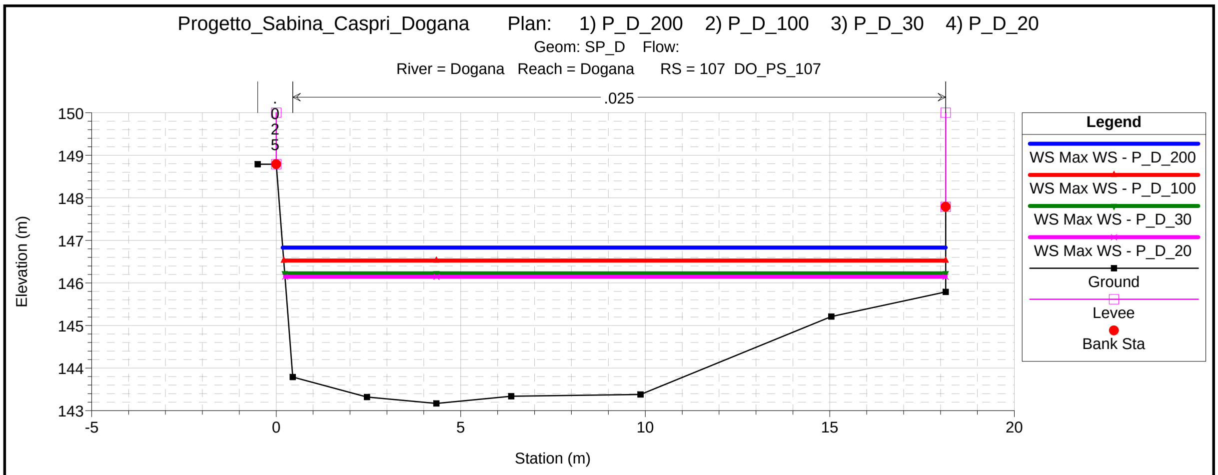
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 110 DO_PS_110
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

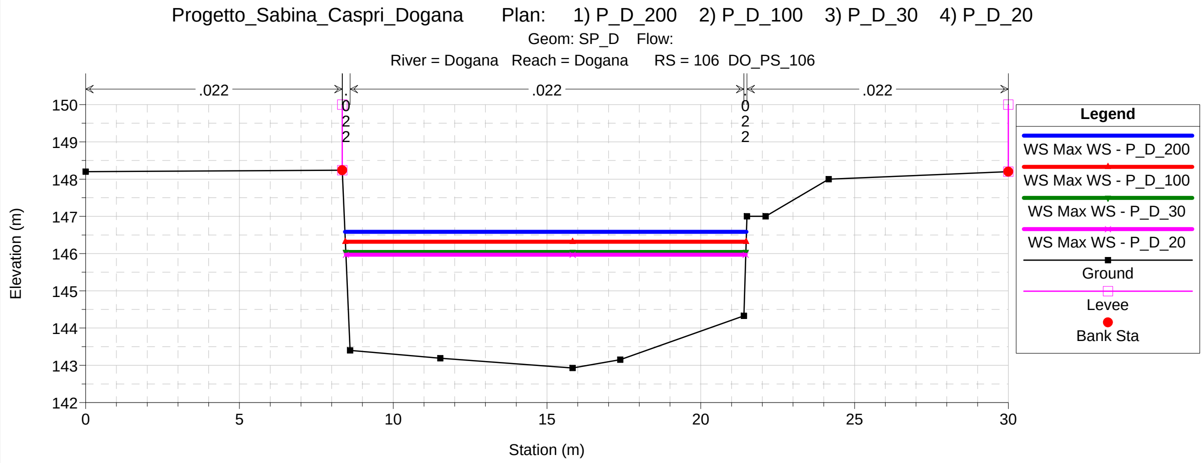


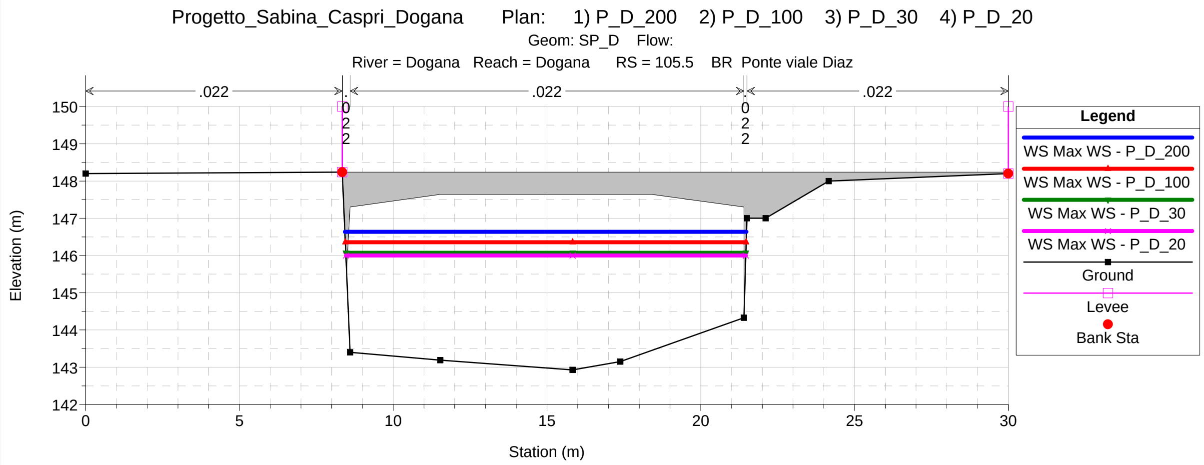
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 109 DO_PS_109
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

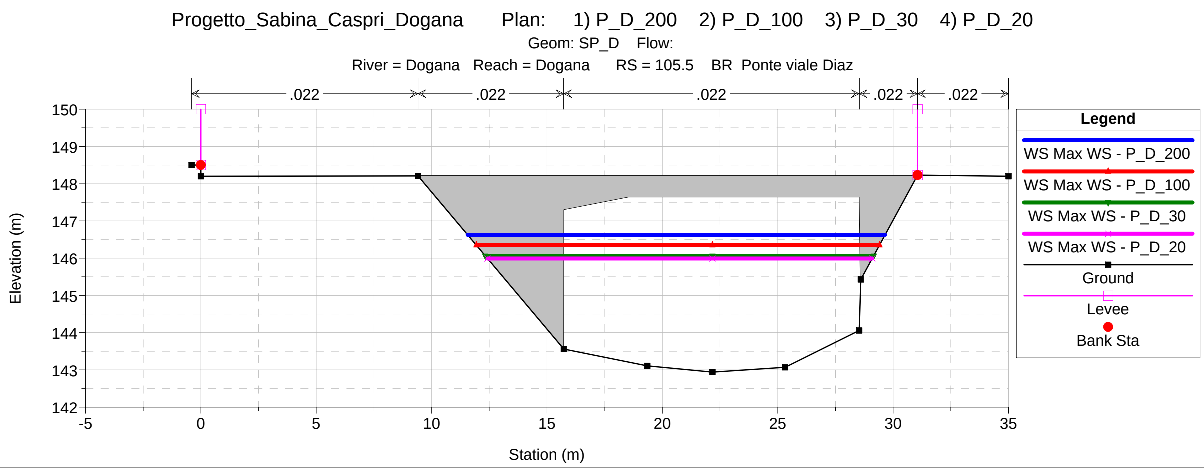


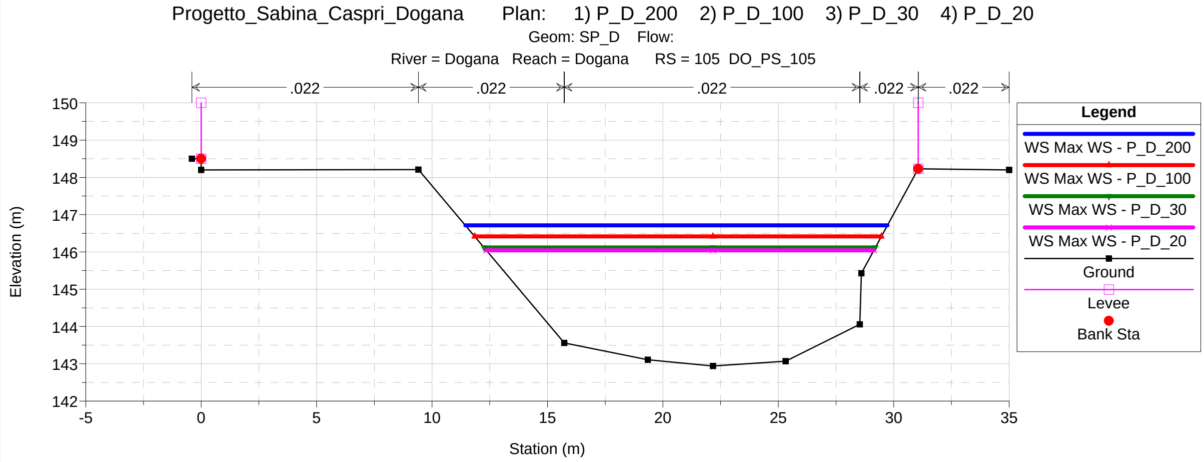
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 108 DO_PS_108
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

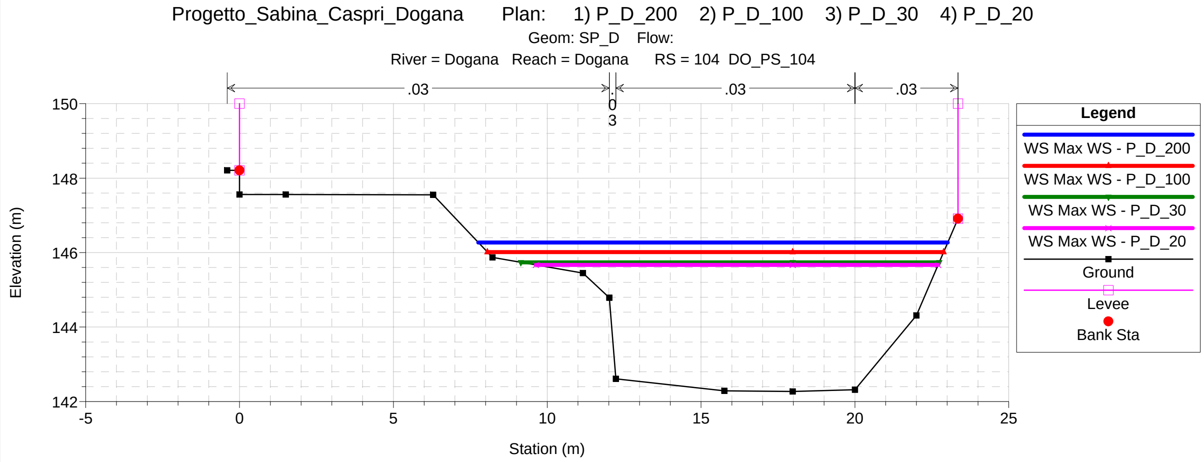

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 107 DO_PS_107
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

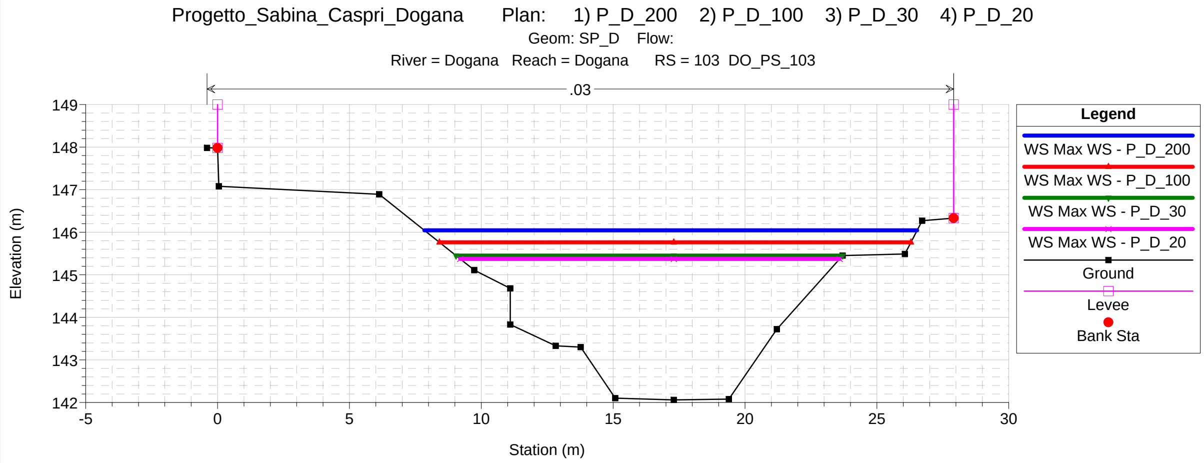

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 106 DO_PS_106
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

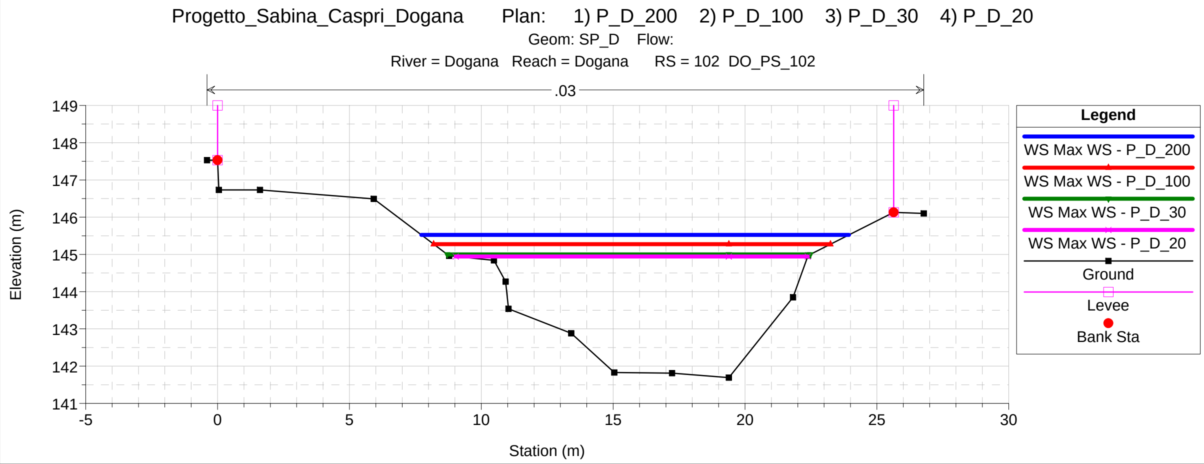

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 105.5 BR Ponte viale Diaz
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

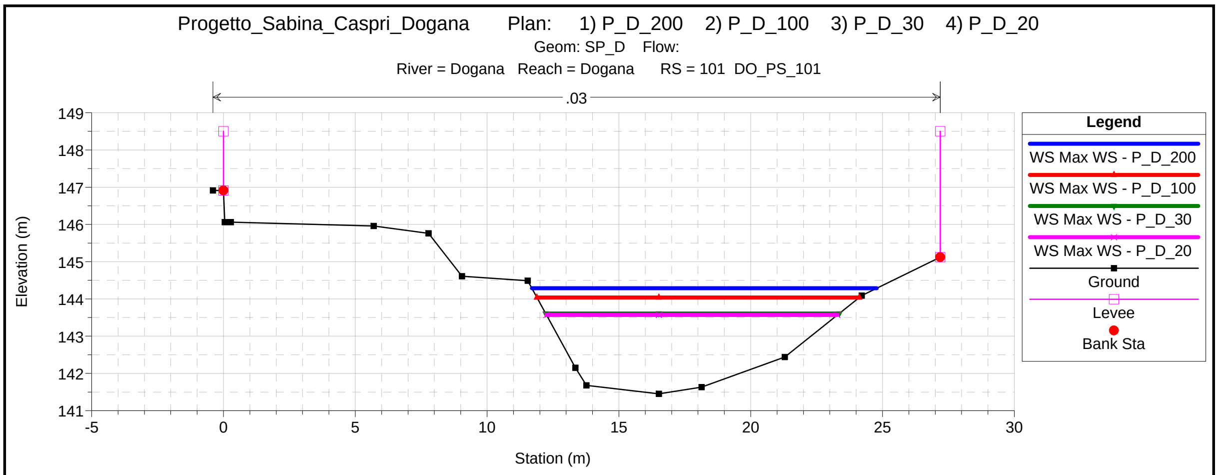

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 105.5 BR Ponte viale Diaz
.022
.022
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

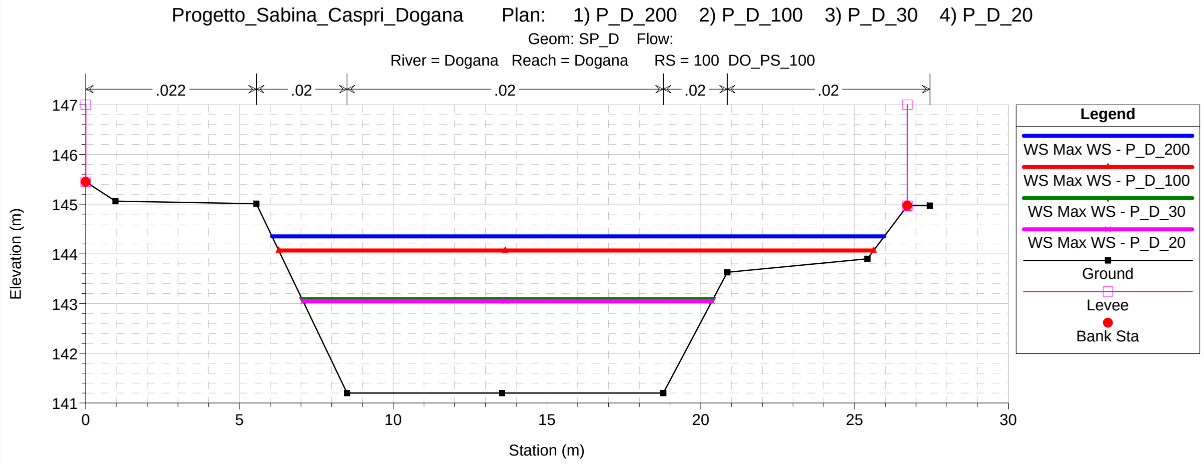

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 105 DO_PS_105
.022
.022
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

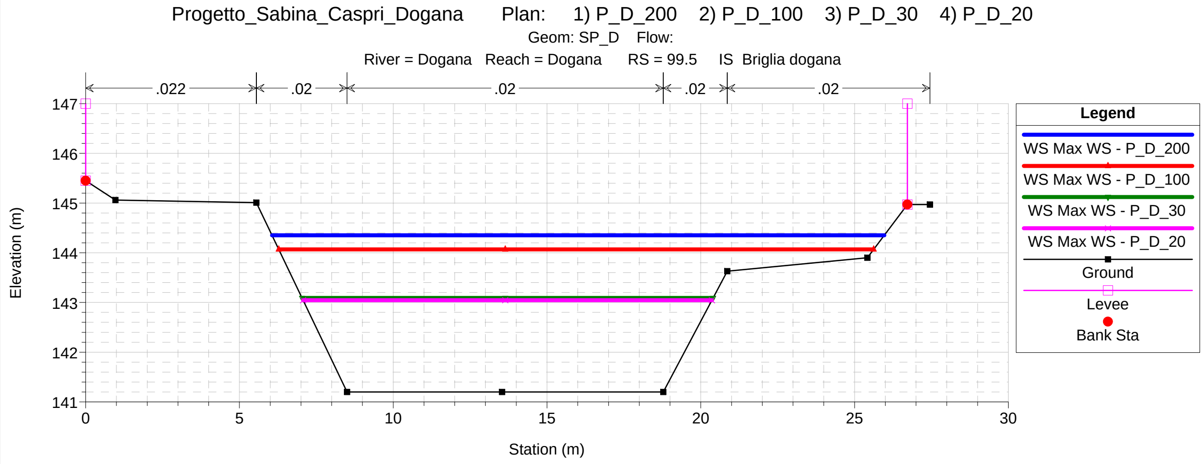

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 104 DO_PS_104
.03
0
3
.03
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

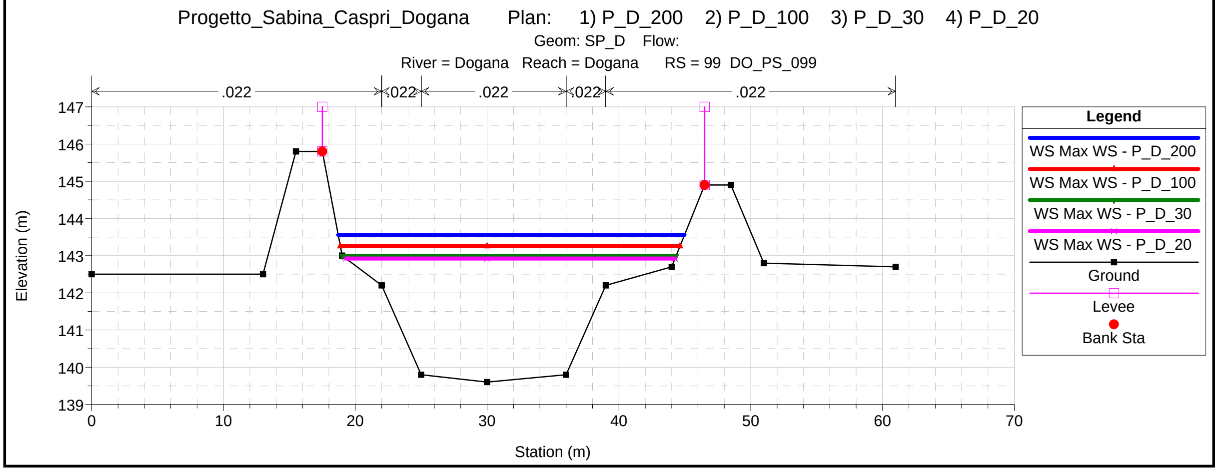

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 103 DO_PS_103
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

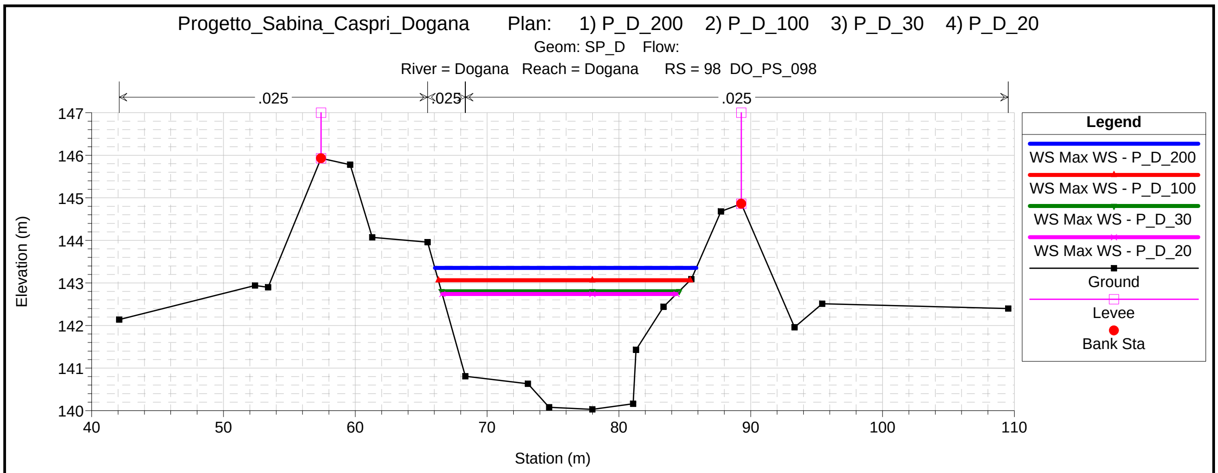

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 102 DO_PS_102
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

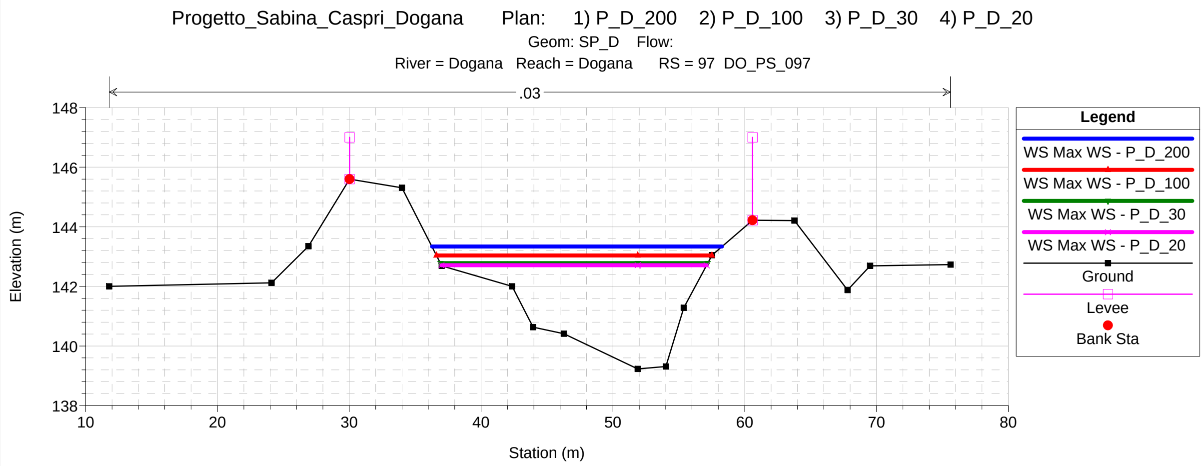

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 101 DO_PS_101
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

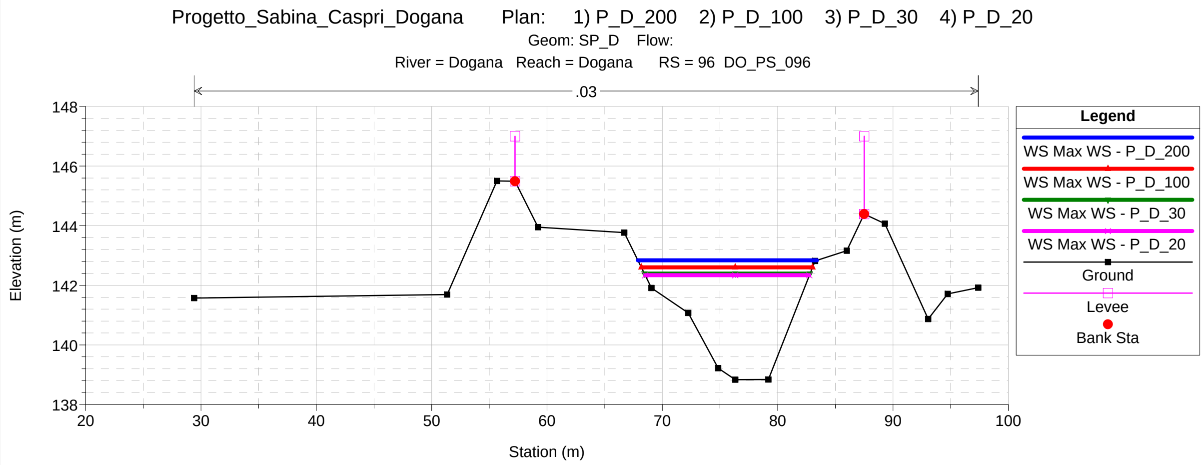

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 100 DO_PS_100
.022
.02
.02
.02
.02
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

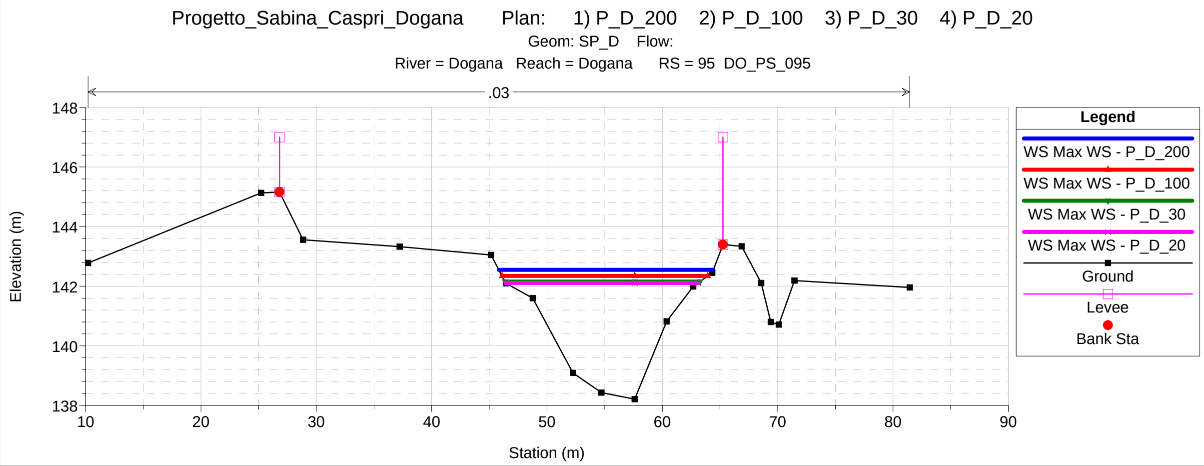

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 99.5 IS Briglia dogana
.022
.02
.02
.02
.02
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

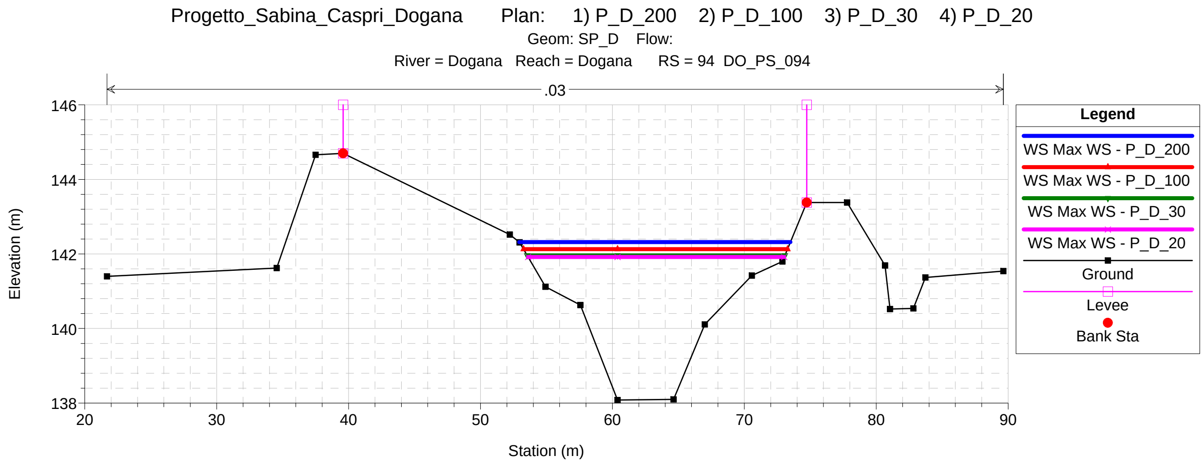

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 99 DO_PS_099
.022
.022
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

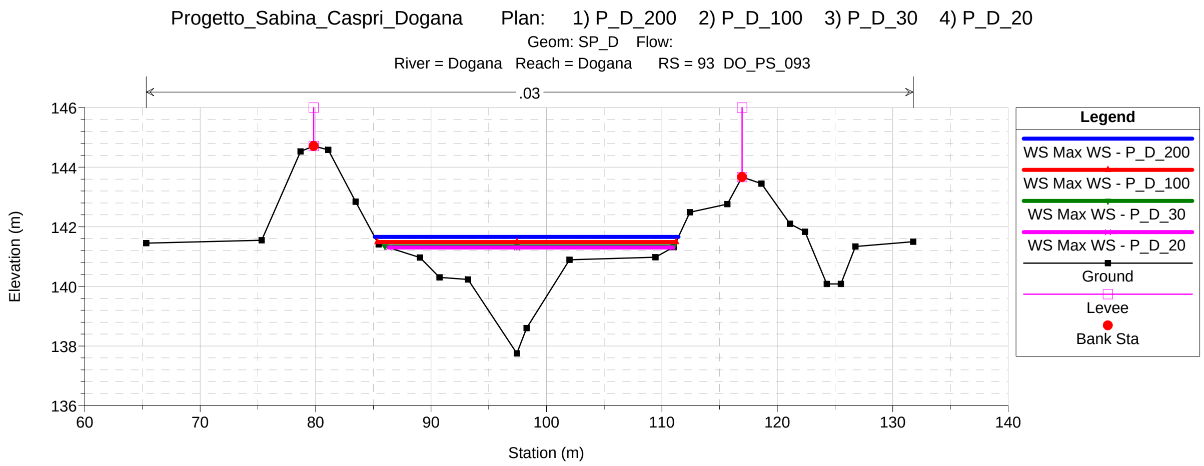

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 98 DO_PS_098
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

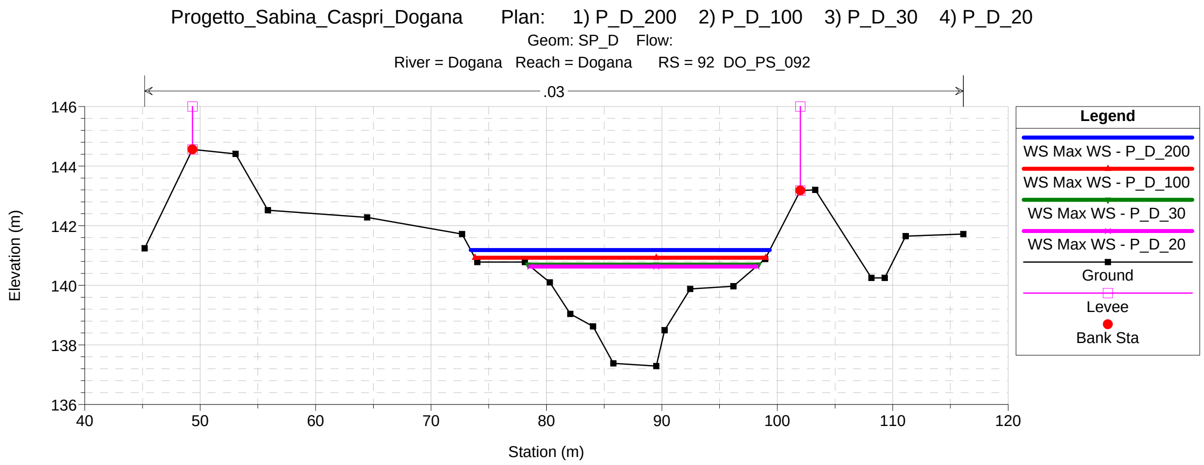

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 97 DO_PS_097
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

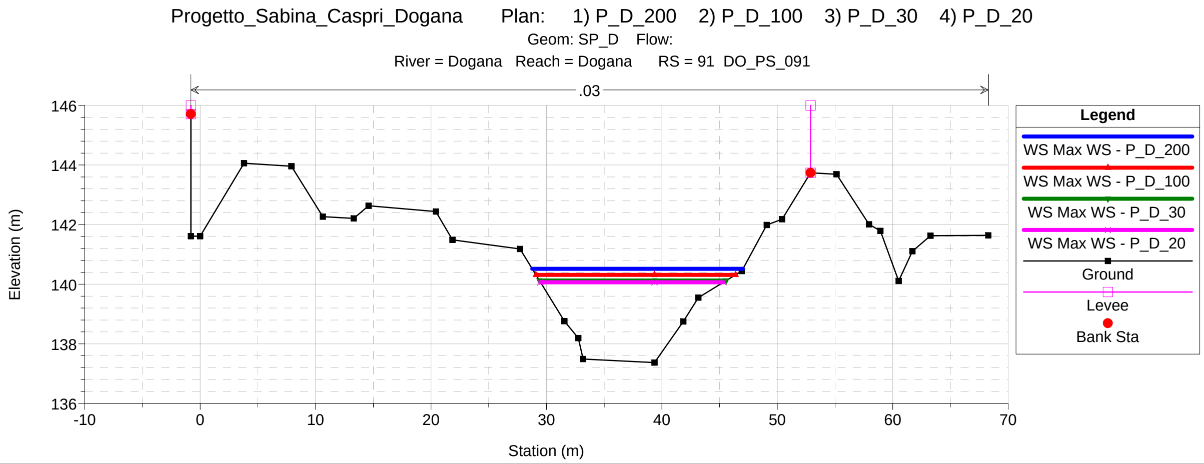

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 96 DO_PS_096
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

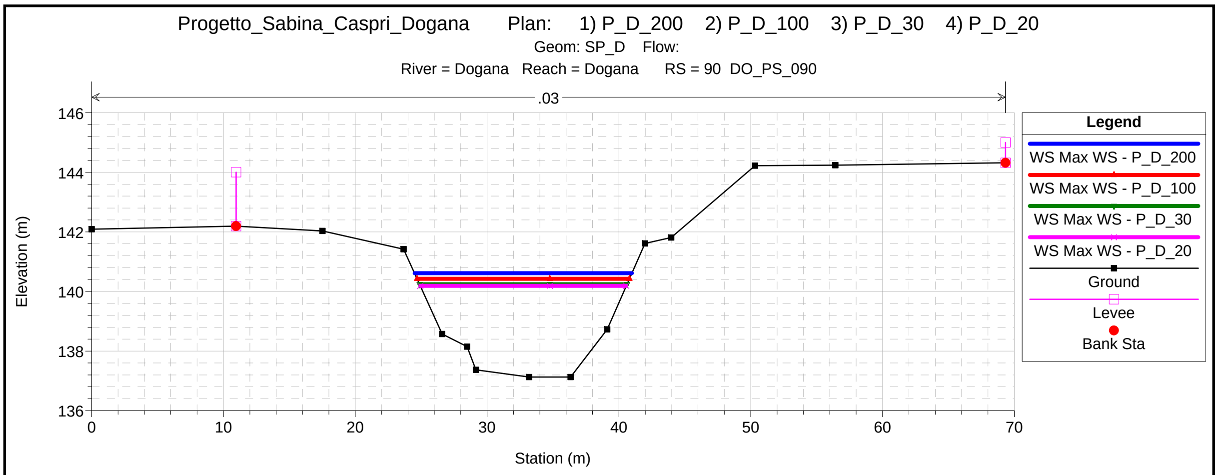

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 95 DO_PS_095
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

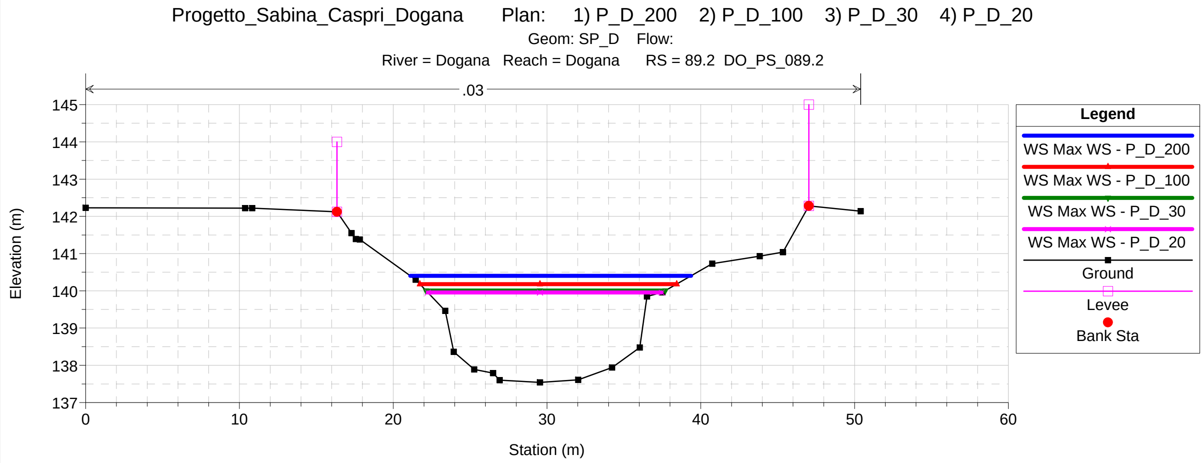

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 94 DO_PS_094
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

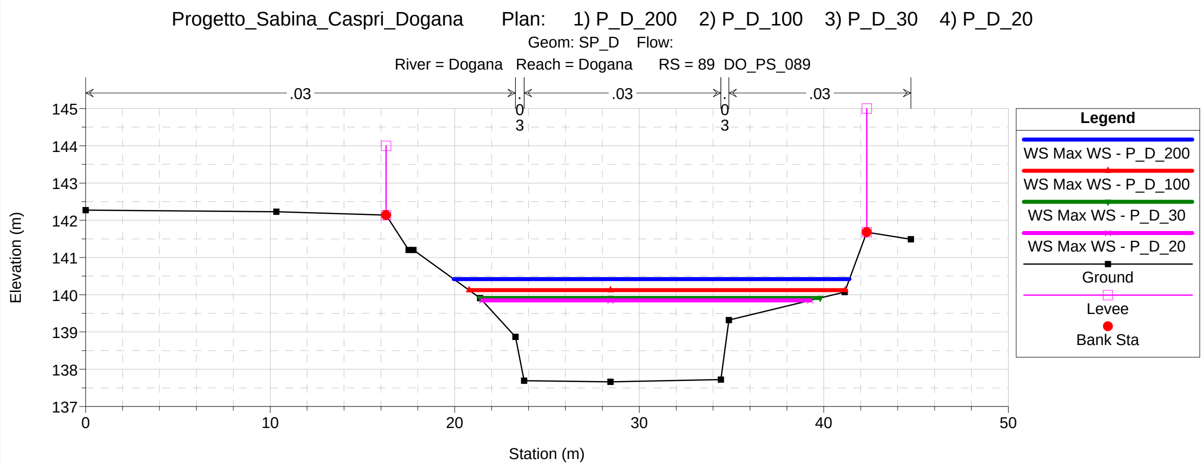

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 93 DO_PS_093
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

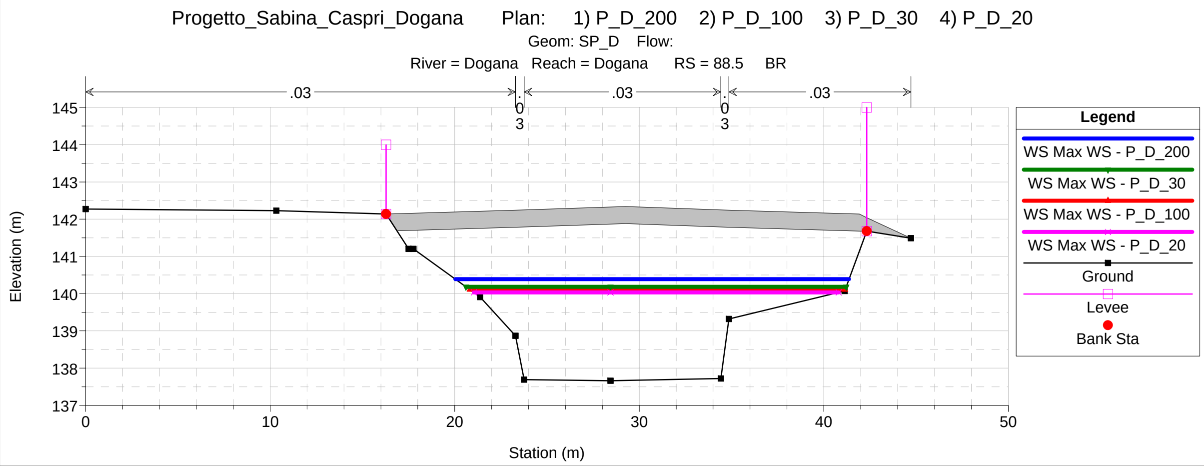

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 92 DO_PS_092
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 91 DO_PS_091
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

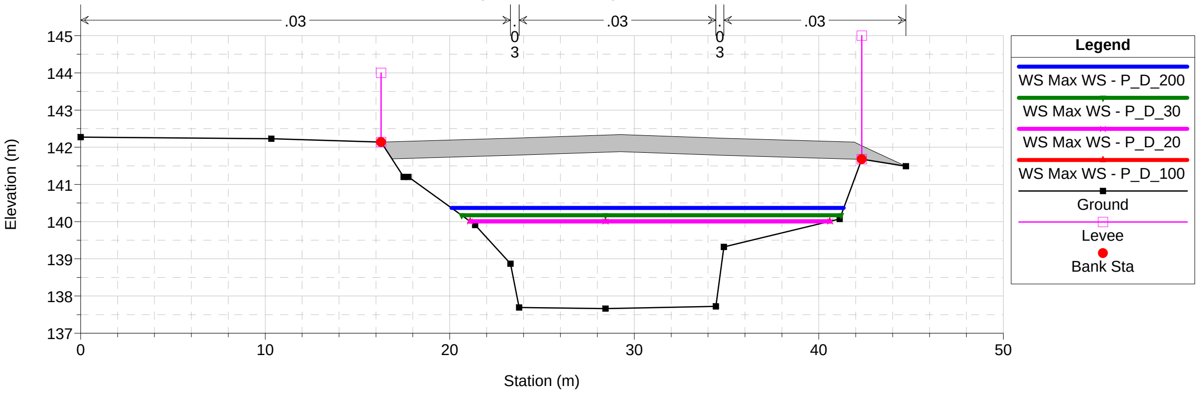

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 90 DO_PS_090
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 89.2 DO_PS_089.2
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta

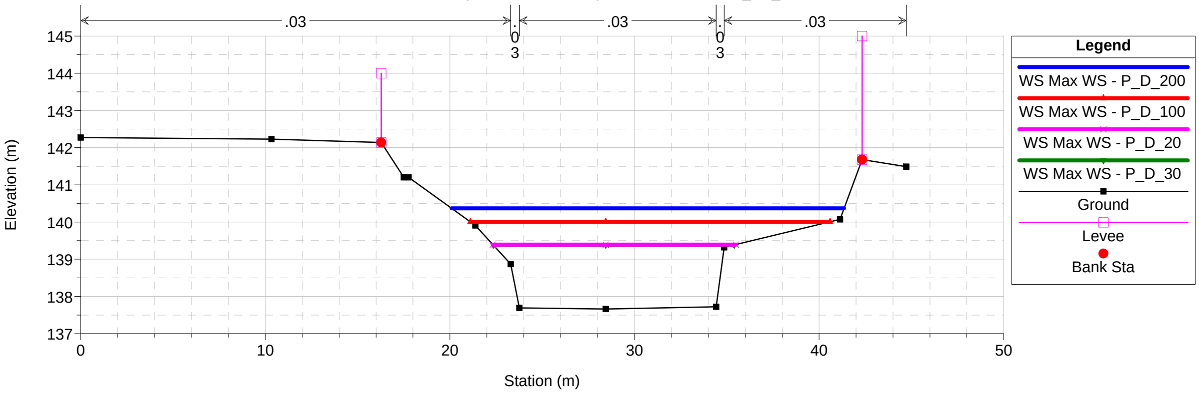

Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 89 DO_PS_089
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_100
WS Max WS - P_D_30
WS Max WS - P_D_20
Ground
Levee
Bank Sta


Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 88.5 BR
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS Max WS - P_D_200
WS Max WS - P_D_30
WS Max WS - P_D_100
WS Max WS - P_D_20
Ground
Levee
Bank Sta

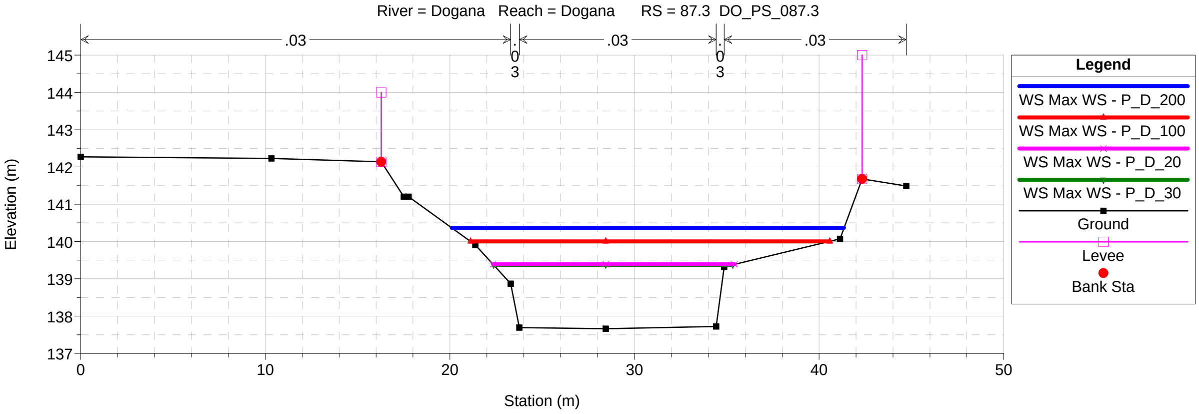
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 88.5 BR



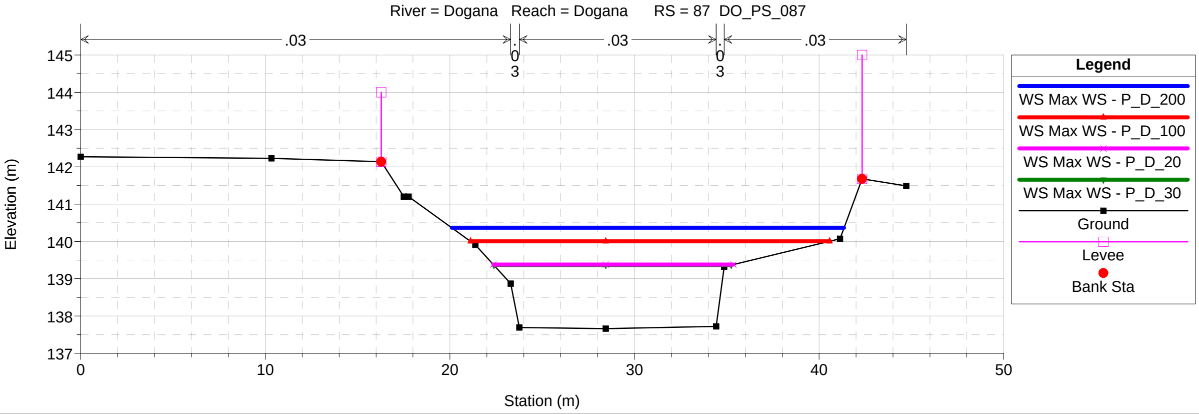
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 88 DO_PS_088



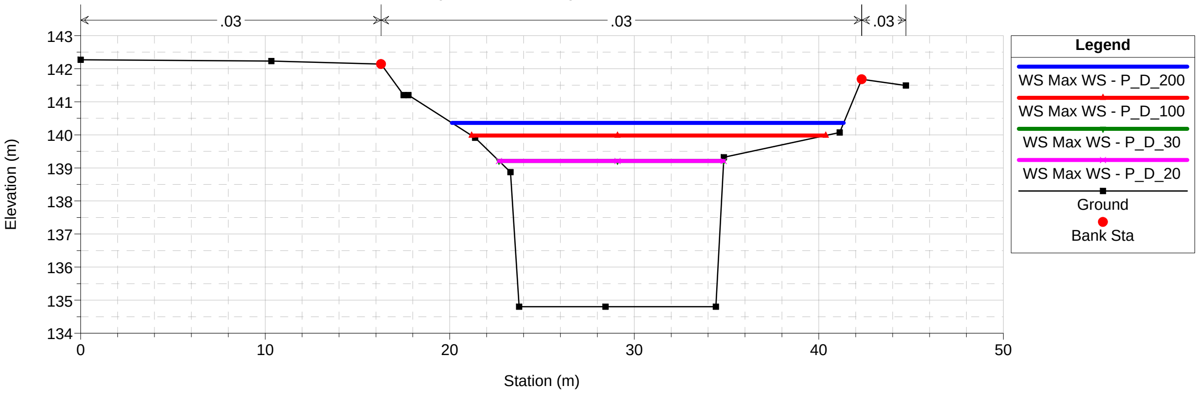
Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 87.3 DO_PS_087.3



Progetto_Sabina_Caspri_Dogana Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 87 DO_PS_087



Progetto_Sabina_Caspri_Dogana   Plan: 1) P_D_200 2) P_D_100 3) P_D_30 4) P_D_20
Geom: SP_D Flow:
River = Dogana Reach = Dogana RS = 80 Quota arno sez. 878



HEC-RAS River: Dogana Reach: Dogana Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Dogana	146.7	Max WS	P_D_200	124.84	147.78	150.88		151.52	0.007416	3.54	35.26	17.83	0.80
Dogana	146.7	Max WS	P_D_100	105.36	147.78	150.55		151.20	0.009249	3.59	29.36	17.56	0.89
Dogana	146.7	Max WS	P_D_30	89.55	147.78	150.30	150.25	150.95	0.010878	3.57	25.08	17.36	0.95
Dogana	146.7	Max WS	P_D_20	85.82	147.78	150.25	150.21	150.89	0.011213	3.55	24.16	17.31	0.96
Dogana	146.6	Max WS	P_D_200	124.84	147.87	150.74		151.50	0.007899	3.86	32.35	14.04	0.81
Dogana	146.6	Max WS	P_D_100	105.36	147.87	150.49		151.17	0.007887	3.65	28.87	13.90	0.81
Dogana	146.6	Max WS	P_D_30	89.55	147.87	150.27		150.88	0.007921	3.46	25.86	13.78	0.81
Dogana	146.6	Max WS	P_D_20	85.82	147.87	150.22		150.81	0.007930	3.42	25.13	13.75	0.81
Dogana	146.5	Max WS	P_D_200	124.84	147.86	150.68	150.81	151.91	0.015053	4.92	25.37	12.34	1.10
Dogana	146.5	Max WS	P_D_100	105.36	147.86	150.43	150.57	151.57	0.015724	4.72	22.30	12.20	1.12
Dogana	146.5	Max WS	P_D_30	89.55	147.86	150.21	150.36	151.27	0.016633	4.56	19.63	12.07	1.14
Dogana	146.5	Max WS	P_D_20	85.82	147.86	150.16	150.31	151.20	0.016908	4.52	18.98	12.04	1.15
Dogana	146	Max WS	P_D_200	124.83	147.99	150.63	150.78	151.97	0.006428	5.14	24.30	11.03	1.10
Dogana	146	Max WS	P_D_100	105.36	147.99	150.37	150.53	151.59	0.006539	4.90	21.52	10.94	1.11
Dogana	146	Max WS	P_D_30	89.55	147.99	150.15	150.30	151.27	0.006734	4.69	19.10	10.87	1.13
Dogana	146	Max WS	P_D_20	85.82	147.99	150.10	150.25	151.19	0.006795	4.64	18.51	10.85	1.13
Dogana	145.5			Bridge									
Dogana	145	Max WS	P_D_200	124.83	147.89	150.62	150.57	151.76	0.005223	4.73	26.39	10.86	0.97
Dogana	145	Max WS	P_D_100	105.36	147.89	150.35	150.31	151.37	0.005222	4.48	23.50	10.82	0.97
Dogana	145	Max WS	P_D_30	89.55	147.89	150.12	150.09	151.04	0.005224	4.26	21.04	10.79	0.97
Dogana	145	Max WS	P_D_20	85.82	147.89	150.07	150.03	150.96	0.005228	4.20	20.45	10.78	0.97
Dogana	144.5	Max WS	P_D_200	124.81	147.88	150.75		151.34	0.002934	3.40	36.72	13.89	0.67
Dogana	144.5	Max WS	P_D_100	105.35	147.88	150.41		150.96	0.003125	3.28	32.07	13.81	0.69
Dogana	144.5	Max WS	P_D_30	89.52	147.88	150.12		150.64	0.003363	3.19	28.08	13.75	0.71
Dogana	144.5	Max WS	P_D_20	85.79	147.88	150.05		150.56	0.003439	3.17	27.10	13.74	0.72
Dogana	143.5	Max WS	P_D_200	124.79	147.77	150.82		151.28	0.002052	3.01	41.40	14.08	0.56
Dogana	143.5	Max WS	P_D_100	105.35	147.77	150.49		150.91	0.002086	2.87	36.70	14.07	0.57
Dogana	143.5	Max WS	P_D_30	89.52	147.77	150.20		150.58	0.002137	2.74	32.63	14.06	0.57
Dogana	143.5	Max WS	P_D_20	85.80	147.77	150.13		150.50	0.002155	2.71	31.62	14.06	0.58

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	143	Max WS	P_D_200	124.75	147.46	150.65		151.24	0.002652	3.40	36.74	12.23	0.63
Dogana	143	Max WS	P_D_100	105.35	147.46	150.34		150.86	0.002592	3.20	32.94	12.20	0.62
Dogana	143	Max WS	P_D_30	89.52	147.46	150.07		150.53	0.002539	3.02	29.68	12.18	0.62
Dogana	143	Max WS	P_D_20	85.79	147.46	150.00		150.45	0.002528	2.97	28.87	12.17	0.62
Dogana	142	Max WS	P_D_200	124.75	147.31	150.67		151.14	0.001958	3.03	41.12	12.96	0.54
Dogana	142	Max WS	P_D_100	105.34	147.31	150.35		150.76	0.001896	2.85	36.98	12.96	0.54
Dogana	142	Max WS	P_D_30	89.52	147.31	150.07		150.44	0.001841	2.68	33.41	12.96	0.53
Dogana	142	Max WS	P_D_20	85.80	147.31	150.00		150.36	0.001829	2.64	32.53	12.96	0.53
Dogana	141	Max WS	P_D_200	124.73	147.20	150.38		151.03	0.003048	3.58	34.89	11.20	0.65
Dogana	141	Max WS	P_D_100	105.33	147.20	150.10		150.66	0.002847	3.32	31.75	11.19	0.63
Dogana	141	Max WS	P_D_30	89.52	147.20	149.85		150.34	0.002664	3.08	29.02	11.19	0.61
Dogana	141	Max WS	P_D_20	85.79	147.20	149.79		150.26	0.002621	3.03	28.34	11.19	0.61
Dogana	140	Max WS	P_D_200	124.70	146.78	150.16		150.74	0.002592	3.38	36.93	11.84	0.61
Dogana	140	Max WS	P_D_100	105.33	146.78	149.87		150.38	0.002432	3.14	33.57	11.83	0.59
Dogana	140	Max WS	P_D_30	89.52	146.78	149.63		150.06	0.002282	2.92	30.67	11.82	0.58
Dogana	140	Max WS	P_D_20	85.79	146.78	149.57		149.99	0.002249	2.87	29.93	11.81	0.57
Dogana	139	Max WS	P_D_200	124.69	146.89	149.76		150.55	0.004002	3.92	31.82	11.48	0.75
Dogana	139	Max WS	P_D_100	105.32	146.89	149.50		150.18	0.003822	3.66	28.78	11.47	0.74
Dogana	139	Max WS	P_D_30	89.52	146.89	149.27		149.87	0.003656	3.42	26.15	11.47	0.72
Dogana	139	Max WS	P_D_20	85.79	146.89	149.21		149.79	0.003631	3.37	25.46	11.47	0.72
Dogana	138	Max WS	P_D_200	124.69	146.50	149.50		150.33	0.004152	4.02	30.99	11.29	0.78
Dogana	138	Max WS	P_D_100	105.32	146.50	149.25		149.96	0.003934	3.75	28.09	11.29	0.76
Dogana	138	Max WS	P_D_30	89.52	146.50	149.02		149.65	0.003736	3.50	25.58	11.28	0.74
Dogana	138	Max WS	P_D_20	85.79	146.50	148.96		149.57	0.003713	3.45	24.89	11.28	0.74
Dogana	137	Max WS	P_D_200	124.66	146.48	149.28		150.10	0.004278	4.01	31.07	12.03	0.80
Dogana	137	Max WS	P_D_100	105.31	146.48	149.02		149.75	0.004155	3.77	27.97	12.02	0.79
Dogana	137	Max WS	P_D_30	89.51	146.48	148.80		149.44	0.004026	3.54	25.32	11.98	0.78
Dogana	137	Max WS	P_D_20	85.78	146.48	148.74		149.36	0.004054	3.49	24.54	11.96	0.78
Dogana	136	Max WS	P_D_200	124.65	146.22	149.08		149.86	0.004164	3.93	31.74	12.44	0.79
Dogana	136	Max WS	P_D_100	105.31	146.22	148.82		149.52	0.004054	3.69	28.56	12.40	0.78

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	136	Max WS	P_D_30	89.51	146.22	148.61		149.22	0.003903	3.45	25.93	12.35	0.76
Dogana	136	Max WS	P_D_20	85.78	146.22	148.54		149.14	0.003970	3.42	25.05	12.33	0.77
Dogana	135	Max WS	P_D_200	124.62	146.07	148.85		149.61	0.004100	3.88	32.14	13.02	0.79
Dogana	135	Max WS	P_D_100	105.30	146.07	148.58		149.27	0.004127	3.68	28.62	12.97	0.79
Dogana	135	Max WS	P_D_30	89.51	146.07	148.36		148.97	0.004065	3.47	25.80	12.90	0.78
Dogana	135	Max WS	P_D_20	85.78	146.07	148.27		148.89	0.004290	3.48	24.64	12.87	0.80
Dogana	131	Max WS	P_D_200	124.58	145.77	148.42		149.26	0.004653	4.05	30.79	12.47	0.82
Dogana	131	Max WS	P_D_100	105.17	145.77	148.16		148.91	0.004609	3.82	27.55	12.44	0.82
Dogana	131	Max WS	P_D_30	89.51	145.77	147.97		148.62	0.004394	3.56	25.13	12.42	0.80
Dogana	131	Max WS	P_D_20	85.76	145.77	147.82		148.51	0.005050	3.68	23.32	12.41	0.86
Dogana	130	Max WS	P_D_200	124.57	145.53	148.39		149.11	0.003752	3.75	33.25	12.63	0.74
Dogana	130	Max WS	P_D_100	105.09	145.53	148.13		148.76	0.003624	3.51	29.98	12.61	0.73
Dogana	130	Max WS	P_D_30	89.51	145.53	147.94		148.48	0.003394	3.25	27.51	12.59	0.70
Dogana	130	Max WS	P_D_20	82.73	145.53	147.78		148.32	0.003599	3.23	25.59	12.57	0.72
Dogana	129	Max WS	P_D_200	124.55	145.47	148.25		148.99	0.003855	3.81	32.71	12.67	0.76
Dogana	129	Max WS	P_D_100	104.93	145.47	148.00		148.64	0.003691	3.55	29.55	12.63	0.74
Dogana	129	Max WS	P_D_30	89.51	145.47	147.81		148.36	0.003465	3.30	27.12	12.59	0.72
Dogana	129	Max WS	P_D_20	82.50	145.47	147.66		148.20	0.003656	3.27	25.22	12.57	0.74
Dogana	128	Max WS	P_D_200	124.52	145.37	148.05		148.86	0.004453	3.99	31.24	12.67	0.81
Dogana	128	Max WS	P_D_100	104.73	145.37	147.82		148.52	0.004261	3.71	28.21	12.63	0.79
Dogana	128	Max WS	P_D_30	89.50	145.37	147.62		148.24	0.004093	3.48	25.73	12.59	0.78
Dogana	128	Max WS	P_D_20	82.16	145.37	147.48		148.08	0.004259	3.43	23.99	12.56	0.79
Dogana	127	Max WS	P_D_200	124.41	145.50	147.86	147.78	148.86	0.006188	4.42	28.16	12.66	0.95
Dogana	127	Max WS	P_D_100	103.84	145.50	147.62		148.49	0.006128	4.15	25.04	12.61	0.94
Dogana	127	Max WS	P_D_30	89.51	145.50	147.41	147.35	148.22	0.006339	3.99	22.44	12.58	0.95
Dogana	127	Max WS	P_D_20	79.16	145.50	147.28	147.21	148.02	0.006238	3.80	20.81	12.55	0.94
Dogana	126	Max WS	P_D_200	124.38	145.27	147.84		148.69	0.004820	4.08	30.50	12.81	0.84
Dogana	126	Max WS	P_D_100	104.70	145.27	147.54		148.33	0.005090	3.92	26.68	12.76	0.87
Dogana	126	Max WS	P_D_30	89.51	145.27	147.33		148.04	0.005175	3.74	23.91	12.72	0.87
Dogana	126	Max WS	P_D_20	78.24	145.27	147.20		147.83	0.004872	3.51	22.31	12.69	0.84

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	125.5	Max WS	P_D_200	124.38	145.29	147.83		148.69	0.004945	4.11	30.25	12.81	0.85
Dogana	125.5	Max WS	P_D_100	104.70	145.29	147.53		148.33	0.005236	3.96	26.43	12.75	0.88
Dogana	125.5	Max WS	P_D_30	89.50	145.29	147.32		148.04	0.005324	3.78	23.69	12.71	0.88
Dogana	125.5	Max WS	P_D_20	78.21	145.29	147.20		147.83	0.004969	3.53	22.17	12.69	0.85
Dogana	125	Max WS	P_D_200	124.68	144.25	148.15		148.59	0.001731	2.94	42.39	12.87	0.52
Dogana	125	Max WS	P_D_100	107.00	144.25	147.81		148.22	0.001742	2.82	38.01	12.81	0.52
Dogana	125	Max WS	P_D_30	89.52	144.25	147.53		147.87	0.001628	2.60	34.39	12.75	0.51
Dogana	125	Max WS	P_D_20	85.75	144.25	147.38		147.73	0.001771	2.64	32.44	12.72	0.53
Dogana	124	Max WS	P_D_200	124.37	144.72	147.94		148.56	0.002848	3.49	35.65	12.40	0.66
Dogana	124	Max WS	P_D_100	106.93	144.72	147.59		148.18	0.003056	3.41	31.34	12.28	0.68
Dogana	124	Max WS	P_D_30	89.52	144.72	147.31		147.84	0.002977	3.20	28.01	12.19	0.67
Dogana	124	Max WS	P_D_20	85.74	144.72	147.15		147.70	0.003411	3.30	25.97	12.13	0.72
Dogana	123.9	Max WS	P_D_200	124.37	144.69	147.79	147.21	148.56	0.003878	3.89	31.96	10.80	0.72
Dogana	123.9	Max WS	P_D_100	104.47	144.69	147.47	146.94	148.15	0.003788	3.66	28.54	10.78	0.72
Dogana	123.9	Max WS	P_D_30	89.52	144.69	147.22	146.73	147.83	0.003690	3.46	25.88	10.76	0.71
Dogana	123.9	Max WS	P_D_20	84.29	144.69	147.07	146.66	147.69	0.003973	3.48	24.22	10.75	0.74
Dogana	123			Bridge									
Dogana	122.9	Max WS	P_D_200	124.35	144.68	147.47		148.49	0.005743	4.48	27.75	10.84	0.89
Dogana	122.9	Max WS	P_D_100	104.42	144.68	147.22		148.10	0.005454	4.17	25.05	10.82	0.87
Dogana	122.9	Max WS	P_D_30	89.51	144.68	147.01		147.79	0.005273	3.92	22.81	10.80	0.86
Dogana	122.9	Max WS	P_D_20	85.74	144.68	146.87		147.69	0.005952	4.03	21.27	10.79	0.92
Dogana	122	Max WS	P_D_200	124.35	144.68	147.44		148.48	0.005880	4.52	27.53	10.84	0.90
Dogana	122	Max WS	P_D_100	104.41	144.68	147.19		148.10	0.005603	4.21	24.82	10.82	0.89
Dogana	122	Max WS	P_D_30	89.51	144.68	146.99		147.79	0.005433	3.96	22.58	10.80	0.87
Dogana	122	Max WS	P_D_20	85.74	144.68	146.85		147.69	0.006131	4.07	21.06	10.79	0.93
Dogana	121	Max WS	P_D_200	124.35	144.50	147.58		148.39	0.004301	3.97	31.31	11.38	0.76
Dogana	121	Max WS	P_D_100	104.40	144.50	147.33		148.02	0.004026	3.68	28.40	11.38	0.74
Dogana	121	Max WS	P_D_30	89.52	144.50	147.11		147.72	0.003875	3.45	25.91	11.38	0.73
Dogana	121	Max WS	P_D_20	84.22	144.50	146.97		147.58	0.004155	3.47	24.28	11.38	0.76

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	120	Max WS	P_D_200	124.35	144.62	147.47		148.38	0.005173	4.22	29.44	10.86	0.82
Dogana	120	Max WS	P_D_100	104.35	144.62	147.24		148.00	0.004751	3.88	26.87	10.86	0.79
Dogana	120	Max WS	P_D_30	89.52	144.62	147.03		147.70	0.004518	3.64	24.62	10.86	0.77
Dogana	120	Max WS	P_D_20	83.00	144.62	146.89		147.55	0.004669	3.59	23.13	10.86	0.78
Dogana	119	Max WS	P_D_200	124.34	144.61	147.41	147.17	148.38	0.005634	4.37	28.47	11.00	0.87
Dogana	119	Max WS	P_D_100	104.32	144.61	147.17	146.91	148.00	0.005261	4.04	25.85	11.00	0.84
Dogana	119	Max WS	P_D_30	89.52	144.61	146.96	146.71	147.70	0.005101	3.80	23.54	11.00	0.83
Dogana	119	Max WS	P_D_20	82.93	144.61	146.82	146.62	147.55	0.005344	3.77	22.01	11.00	0.85
Dogana	118.5			Bridge									
Dogana	118	Max WS	P_D_200	124.18	144.52	147.30	147.30	148.29	0.005725	4.40	28.20	14.15	1.00
Dogana	118	Max WS	P_D_100	104.22	144.52	147.05	147.06	147.96	0.005921	4.22	24.72	13.83	1.01
Dogana	118	Max WS	P_D_30	89.52	144.52	146.84	146.88	147.70	0.006282	4.10	21.84	13.54	1.03
Dogana	118	Max WS	P_D_20	85.73	144.52	146.72	146.83	147.64	0.007112	4.25	20.17	13.02	1.09
Dogana	117	Max WS	P_D_200	124.10	144.33	147.18		148.26	0.006107	4.61	26.90	10.86	0.94
Dogana	117	Max WS	P_D_100	103.06	144.33	146.93		147.85	0.005728	4.26	24.20	10.83	0.91
Dogana	117	Max WS	P_D_30	89.53	144.33	146.70		147.56	0.005969	4.13	21.68	10.81	0.93
Dogana	117	Max WS	P_D_20	85.73	144.33	146.59	146.54	147.48	0.006427	4.17	20.53	10.80	0.97
Dogana	116	Max WS	P_D_200	124.56	144.33	147.33		147.99	0.003273	3.60	34.58	13.37	0.71
Dogana	116	Max WS	P_D_100	107.07	144.33	147.04		147.66	0.003409	3.48	30.79	13.31	0.73
Dogana	116	Max WS	P_D_30	89.51	144.33	146.75		147.31	0.003548	3.32	26.94	13.25	0.74
Dogana	116	Max WS	P_D_20	85.71	144.33	146.69		147.24	0.003576	3.28	26.10	13.24	0.75
Dogana	115	Max WS	P_D_200	124.77	144.33	147.11		148.14	0.005758	4.49	27.76	11.64	0.93
Dogana	115	Max WS	P_D_100	107.19	144.33	146.85	146.78	147.81	0.005983	4.34	24.71	11.59	0.95
Dogana	115	Max WS	P_D_30	89.53	144.33	146.63		147.46	0.005799	4.05	22.11	11.55	0.93
Dogana	115	Max WS	P_D_20	85.72	144.33	146.54	146.49	147.38	0.006123	4.06	21.09	11.53	0.96
Dogana	114	Max WS	P_D_200	124.45	144.32	147.25		147.87	0.003067	3.49	35.66	13.17	0.68
Dogana	114	Max WS	P_D_100	106.64	144.32	146.96		147.53	0.003155	3.35	31.80	13.13	0.69
Dogana	114	Max WS	P_D_30	89.48	144.32	146.66		147.18	0.003289	3.21	27.88	13.09	0.70
Dogana	114	Max WS	P_D_20	85.70	144.32	146.61		147.12	0.003212	3.14	27.30	13.09	0.69

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	113	Max WS	P_D_200	124.52	144.08	147.44		147.79	0.001559	2.64	47.14	17.69	0.52
Dogana	113	Max WS	P_D_100	106.13	144.08	147.10		147.44	0.001712	2.58	41.12	17.62	0.54
Dogana	113	Max WS	P_D_30	89.50	144.08	146.78		147.10	0.001912	2.52	35.46	17.55	0.57
Dogana	113	Max WS	P_D_20	85.70	144.08	146.71		147.03	0.001955	2.50	34.23	17.54	0.57
Dogana	112.5	Max WS	P_D_200	124.38	144.04	147.27		147.76	0.002148	3.10	40.07	12.80	0.56
Dogana	112.5	Max WS	P_D_100	105.82	144.04	146.97		147.40	0.002092	2.93	36.17	12.80	0.56
Dogana	112.5	Max WS	P_D_30	89.49	144.04	146.68		147.07	0.002047	2.75	32.49	12.80	0.55
Dogana	112.5	Max WS	P_D_20	85.70	144.04	146.62		146.99	0.002013	2.70	31.73	12.80	0.55
Dogana	112.1	Max WS	P_D_200	124.45	144.01	147.49	145.92	147.74	0.000703	2.19	56.83	17.10	0.38
Dogana	112.1	Max WS	P_D_100	105.94	144.01	147.16	145.74	147.38	0.000698	2.07	51.11	17.10	0.38
Dogana	112.1	Max WS	P_D_30	89.50	144.01	146.85	145.55	147.04	0.000689	1.95	45.85	17.10	0.38
Dogana	112.1	Max WS	P_D_20	85.71	144.01	146.78	145.51	146.97	0.000686	1.92	44.63	17.10	0.38
Dogana	112			Bridge									
Dogana	111	Max WS	P_D_200	124.43	143.95	147.52		147.73	0.000578	1.99	62.58	20.40	0.36
Dogana	111	Max WS	P_D_100	105.84	143.95	147.18		147.37	0.000600	1.91	55.55	20.40	0.37
Dogana	111	Max WS	P_D_30	89.50	143.95	146.87		147.04	0.000624	1.82	49.14	20.40	0.37
Dogana	111	Max WS	P_D_20	85.71	143.95	146.79		146.96	0.000631	1.80	47.59	20.40	0.38
Dogana	110.5	Max WS	P_D_200	124.40	143.95	147.51		147.71	0.000726	1.98	62.91	20.20	0.36
Dogana	110.5	Max WS	P_D_100	105.70	143.95	147.17		147.35	0.000747	1.89	55.95	20.20	0.36
Dogana	110.5	Max WS	P_D_30	89.50	143.95	146.85		147.02	0.000772	1.80	49.62	20.20	0.37
Dogana	110.5	Max WS	P_D_20	85.71	143.95	146.77		146.94	0.000782	1.78	48.05	20.20	0.37
Dogana	110	Max WS	P_D_200	124.39	143.84	147.36		147.69	0.001283	2.53	49.26	16.17	0.46
Dogana	110	Max WS	P_D_100	105.59	143.84	147.03		147.32	0.001302	2.41	43.88	16.13	0.47
Dogana	110	Max WS	P_D_30	89.50	143.84	146.73		146.99	0.001332	2.30	38.99	16.09	0.47
Dogana	110	Max WS	P_D_20	85.71	143.84	146.65		146.91	0.001344	2.27	37.77	16.09	0.47
Dogana	109	Max WS	P_D_200	124.37	143.40	146.97		147.60	0.002929	3.51	35.40	11.55	0.64
Dogana	109	Max WS	P_D_100	105.43	143.40	146.69		147.23	0.002773	3.28	32.16	11.50	0.63
Dogana	109	Max WS	P_D_30	89.49	143.40	146.43		146.91	0.002648	3.07	29.17	11.46	0.61
Dogana	109	Max WS	P_D_20	85.70	143.40	146.36		146.82	0.002625	3.02	28.40	11.45	0.61

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	108	Max WS	P_D_200	124.33	143.42	146.44		147.42	0.005342	4.39	28.35	11.14	0.88
Dogana	108	Max WS	P_D_100	105.35	143.42	146.18		147.05	0.005248	4.14	25.45	11.14	0.87
Dogana	108	Max WS	P_D_30	89.49	143.42	145.93		146.72	0.005314	3.95	22.68	11.14	0.88
Dogana	108	Max WS	P_D_20	85.69	143.42	145.86		146.64	0.005356	3.90	21.97	11.14	0.89
Dogana	107	Max WS	P_D_200	124.31	143.17	146.83		147.14	0.001275	2.47	50.41	17.96	0.47
Dogana	107	Max WS	P_D_100	105.34	143.17	146.53		146.81	0.001294	2.34	44.94	17.94	0.47
Dogana	107	Max WS	P_D_30	89.47	143.17	146.22		146.49	0.001382	2.27	39.50	17.91	0.49
Dogana	107	Max WS	P_D_20	85.67	143.17	146.15		146.40	0.001414	2.25	38.10	17.90	0.49
Dogana	106	Max WS	P_D_200	124.22	142.93	146.59	145.45	147.03	0.001401	2.95	42.11	13.06	0.52
Dogana	106	Max WS	P_D_100	105.00	142.93	146.32	145.22	146.70	0.001284	2.72	38.62	13.03	0.50
Dogana	106	Max WS	P_D_30	89.46	142.93	146.04	145.03	146.38	0.001238	2.55	35.03	13.01	0.50
Dogana	106	Max WS	P_D_20	85.66	142.93	145.97	144.98	146.29	0.001227	2.51	34.11	13.00	0.49
Dogana	105.5			Bridge									
Dogana	105	Max WS	P_D_200	124.25	142.94	146.72		147.01	0.000842	2.39	52.07	18.29	0.45
Dogana	105	Max WS	P_D_100	105.25	142.94	146.42		146.67	0.000819	2.25	46.70	17.62	0.44
Dogana	105	Max WS	P_D_30	89.47	142.94	146.12		146.35	0.000823	2.15	41.55	16.95	0.44
Dogana	105	Max WS	P_D_20	85.67	142.94	146.04		146.27	0.000825	2.13	40.26	16.78	0.44
Dogana	104	Max WS	P_D_200	124.18	142.27	146.27		146.74	0.003178	3.05	40.70	15.26	0.60
Dogana	104	Max WS	P_D_100	105.12	142.27	146.01		146.43	0.003035	2.86	36.81	14.83	0.58
Dogana	104	Max WS	P_D_30	89.45	142.27	145.74		146.12	0.002883	2.72	32.87	13.60	0.56
Dogana	104	Max WS	P_D_20	85.66	142.27	145.67		146.04	0.002784	2.68	31.94	13.08	0.55
Dogana	103	Max WS	P_D_200	124.15	142.06	146.04		146.50	0.003384	2.98	41.60	18.69	0.64
Dogana	103	Max WS	P_D_100	105.05	142.06	145.76		146.19	0.003532	2.88	36.46	17.88	0.64
Dogana	103	Max WS	P_D_30	89.45	142.06	145.45		145.87	0.003437	2.88	31.06	14.66	0.63
Dogana	103	Max WS	P_D_20	85.66	142.06	145.37		145.79	0.003476	2.86	29.94	14.39	0.63
Dogana	102	Max WS	P_D_200	124.14	141.69	145.53		146.11	0.004376	3.38	36.68	16.22	0.72
Dogana	102	Max WS	P_D_100	105.00	141.69	145.27		145.80	0.004165	3.21	32.75	15.05	0.69
Dogana	102	Max WS	P_D_30	89.45	141.69	145.00		145.49	0.004166	3.11	28.80	13.77	0.69
Dogana	102	Max WS	P_D_20	85.65	141.69	144.94		145.42	0.004036	3.06	28.02	13.35	0.67

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	101	Max WS	P_D_200	124.12	141.45	144.29	144.63	145.56	0.011403	5.00	24.84	13.08	1.16
Dogana	101	Max WS	P_D_100	104.96	141.45	144.04	144.26	145.23	0.011651	4.84	21.69	12.23	1.16
Dogana	101	Max WS	P_D_30	89.44	141.45	143.61	144.02	145.07	0.017621	5.36	16.67	11.14	1.40
Dogana	101	Max WS	P_D_20	85.65	141.45	143.57	143.97	144.99	0.017467	5.28	16.22	11.03	1.39
Dogana	100	Max WS	P_D_200	124.11	141.20	144.35	143.51	144.77	0.001421	2.88	43.04	19.91	0.63
Dogana	100	Max WS	P_D_100	104.95	141.20	144.07	143.28	144.47	0.001535	2.80	37.48	19.34	0.64
Dogana	100	Max WS	P_D_30	89.36	141.20	143.09		143.91	0.003803	4.00	22.37	13.36	0.99
Dogana	100	Max WS	P_D_20	85.63	141.20	143.05		143.84	0.003782	3.93	21.77	13.29	0.98
Dogana	99.5			Inl Struct									
Dogana	99	Max WS	P_D_200	124.08	139.60	143.56		143.73	0.000546	1.86	66.67	26.27	0.37
Dogana	99	Max WS	P_D_100	104.89	139.60	143.25		143.42	0.000571	1.78	58.81	25.77	0.38
Dogana	99	Max WS	P_D_30	89.45	139.60	142.99		143.14	0.000604	1.72	51.99	25.28	0.38
Dogana	99	Max WS	P_D_20	85.72	139.60	142.92		143.07	0.000607	1.70	50.33	24.96	0.38
Dogana	98	Max WS	P_D_200	124.05	140.03	143.35		143.72	0.001757	2.70	45.99	19.83	0.57
Dogana	98	Max WS	P_D_100	104.87	140.03	143.06		143.41	0.001842	2.60	40.30	19.10	0.57
Dogana	98	Max WS	P_D_30	89.45	140.03	142.80		143.13	0.001888	2.52	35.52	18.04	0.57
Dogana	98	Max WS	P_D_20	85.72	140.03	142.74		143.06	0.001895	2.49	34.38	17.77	0.57
Dogana	97	Max WS	P_D_200	124.05	139.23	143.34		143.65	0.002086	2.46	50.52	22.01	0.52
Dogana	97	Max WS	P_D_100	104.86	139.23	143.04		143.33	0.002179	2.38	44.13	20.89	0.52
Dogana	97	Max WS	P_D_30	89.44	139.23	142.78		143.05	0.002338	2.31	38.72	20.27	0.53
Dogana	97	Max WS	P_D_20	85.71	139.23	142.71		142.98	0.002383	2.29	37.39	20.12	0.54
Dogana	96	Max WS	P_D_200	124.03	138.83	142.84		143.41	0.003884	3.34	37.15	15.53	0.69
Dogana	96	Max WS	P_D_100	104.84	138.83	142.60		143.10	0.003659	3.13	33.53	14.84	0.66
Dogana	96	Max WS	P_D_30	89.44	138.83	142.39		142.83	0.003477	2.93	30.50	14.36	0.64
Dogana	96	Max WS	P_D_20	85.67	138.83	142.34		142.76	0.003428	2.88	29.73	14.24	0.64
Dogana	95	Max WS	P_D_200	124.01	138.21	142.55		142.98	0.002993	2.91	42.60	18.60	0.61
Dogana	95	Max WS	P_D_100	104.82	138.21	142.34		142.71	0.002750	2.70	38.83	17.84	0.58
Dogana	95	Max WS	P_D_30	89.43	138.21	142.16		142.48	0.002501	2.51	35.58	16.91	0.55
Dogana	95	Max WS	P_D_20	85.69	138.21	142.11		142.42	0.002434	2.46	34.78	16.67	0.54

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	94	Max WS	P_D_200	123.98	138.08	142.32		142.68	0.002572	2.68	46.21	20.55	0.57
Dogana	94	Max WS	P_D_100	104.82	138.08	142.13		142.44	0.002352	2.47	42.42	20.01	0.54
Dogana	94	Max WS	P_D_30	89.43	138.08	141.96		142.23	0.002167	2.29	39.11	19.54	0.52
Dogana	94	Max WS	P_D_20	85.68	138.08	141.92		142.17	0.002121	2.24	38.26	19.42	0.51
Dogana	93	Max WS	P_D_200	123.96	137.75	141.66	141.66	142.32	0.008900	3.59	34.57	26.32	1.00
Dogana	93	Max WS	P_D_100	104.80	137.75	141.49	141.51	142.11	0.009796	3.48	30.13	25.88	1.03
Dogana	93	Max WS	P_D_30	89.42	137.75	141.34	141.38	141.93	0.010656	3.39	26.36	25.05	1.06
Dogana	93	Max WS	P_D_20	85.68	137.75	141.31	141.35	141.88	0.010832	3.37	25.40	24.64	1.06
Dogana	92	Max WS	P_D_200	123.91	137.29	141.18		141.58	0.003805	2.79	44.47	25.90	0.68
Dogana	92	Max WS	P_D_100	104.77	137.29	140.92		141.31	0.004482	2.77	37.80	25.19	0.72
Dogana	92	Max WS	P_D_30	89.41	137.29	140.69		141.08	0.004068	2.76	32.44	19.96	0.69
Dogana	92	Max WS	P_D_20	85.67	137.29	140.63		141.01	0.004124	2.74	31.26	19.59	0.69
Dogana	91	Max WS	P_D_200	114.62	137.37	140.52		141.06	0.004586	3.28	34.99	18.26	0.76
Dogana	91	Max WS	P_D_100	104.76	137.37	140.31		140.88	0.005116	3.34	31.39	17.30	0.79
Dogana	91	Max WS	P_D_30	89.41	137.37	140.12		140.64	0.004896	3.17	28.18	16.19	0.77
Dogana	91	Max WS	P_D_20	85.66	137.37	140.07		140.57	0.004875	3.14	27.29	15.87	0.76
Dogana	90	Max WS	P_D_200	114.73	137.13	140.61		140.99	0.002315	2.73	42.04	16.49	0.55
Dogana	90	Max WS	P_D_100	104.76	137.13	140.43		140.79	0.002386	2.69	39.01	16.11	0.55
Dogana	90	Max WS	P_D_30	89.41	137.13	140.24		140.55	0.002173	2.48	36.06	15.74	0.52
Dogana	90	Max WS	P_D_20	85.66	137.13	140.19		140.49	0.002133	2.43	35.21	15.63	0.52
Dogana	89.2	Max WS	P_D_200	114.71	137.54	140.40		140.96	0.004754	3.29	34.90	18.27	0.76
Dogana	89.2	Max WS	P_D_100	104.76	137.54	140.18		140.76	0.005264	3.38	31.00	16.70	0.79
Dogana	89.2	Max WS	P_D_30	89.41	137.54	140.01		140.52	0.004824	3.17	28.19	15.57	0.75
Dogana	89.2	Max WS	P_D_20	85.66	137.54	139.96		140.45	0.004732	3.13	27.40	15.22	0.74
Dogana	89	Max WS	P_D_200	114.70	137.66	140.42	140.03	140.89	0.004471	3.02	37.95	21.44	0.73
Dogana	89	Max WS	P_D_100	104.76	137.66	140.12	139.90	140.68	0.006310	3.30	31.73	20.39	0.84
Dogana	89	Max WS	P_D_30	89.41	137.66	139.91	139.68	140.45	0.006462	3.24	27.59	18.43	0.85
Dogana	89	Max WS	P_D_20	85.66	137.66	139.85	139.62	140.38	0.006549	3.24	26.44	17.78	0.85
Dogana	88.5			Bridge									

HEC-RAS River: Dogana Reach: Dogana Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Dogana	88	Max WS	P_D_200	49.99	137.66	140.37		140.46	0.000927	1.36	36.83	21.26	0.33
Dogana	88	Max WS	P_D_100	50.00	137.66	140.01		140.15	0.001755	1.70	29.37	19.48	0.44
Dogana	88	Max WS	P_D_30	87.99	137.66	139.38	139.65	140.44	0.013624	4.56	19.30	13.06	1.20
Dogana	88	Max WS	P_D_20	83.15	137.66	139.40	139.57	140.33	0.011999	4.28	19.43	13.16	1.12
Dogana	87.3	Max WS	P_D_200	49.99	137.66	140.37		140.46	0.000928	1.36	36.82	21.26	0.33
Dogana	87.3	Max WS	P_D_100	50.00	137.66	140.00		140.15	0.001758	1.70	29.35	19.47	0.44
Dogana	87.3	Max WS	P_D_30	87.92	137.66	139.38	139.66	140.45	0.013774	4.59	19.17	12.96	1.20
Dogana	87.3	Max WS	P_D_20	82.99	137.66	139.39	139.57	140.33	0.012084	4.29	19.33	13.08	1.13
Dogana	87	Max WS	P_D_200	49.99	137.66	140.37		140.46	0.000930	1.36	36.80	21.25	0.33
Dogana	87	Max WS	P_D_100	50.00	137.66	140.00		140.15	0.001762	1.71	29.32	19.45	0.44
Dogana	87	Max WS	P_D_30	87.00	137.66	139.37	139.64	140.43	0.013663	4.57	19.05	12.86	1.20
Dogana	87	Max WS	P_D_20	82.99	137.66	139.38	139.57	140.33	0.012223	4.32	19.21	12.99	1.13
Dogana	80	Max WS	P_D_200	49.95	134.80	140.36	136.10	140.39	0.000154	0.73	68.72	21.23	0.13
Dogana	80	Max WS	P_D_100	49.96	134.80	139.98	136.10	140.01	0.000207	0.82	60.94	19.19	0.15
Dogana	80	Max WS	P_D_30	50.00	134.80	139.21	136.10	139.26	0.000278	1.02	49.18	12.18	0.16
Dogana	80	Max WS	P_D_20	50.00	134.80	139.21	136.10	139.26	0.000278	1.02	49.18	12.18	0.16

borro di Valdilago - stato di progetto

<u>verifiche con Tpioggia critico per il Borro di Valdilago</u>

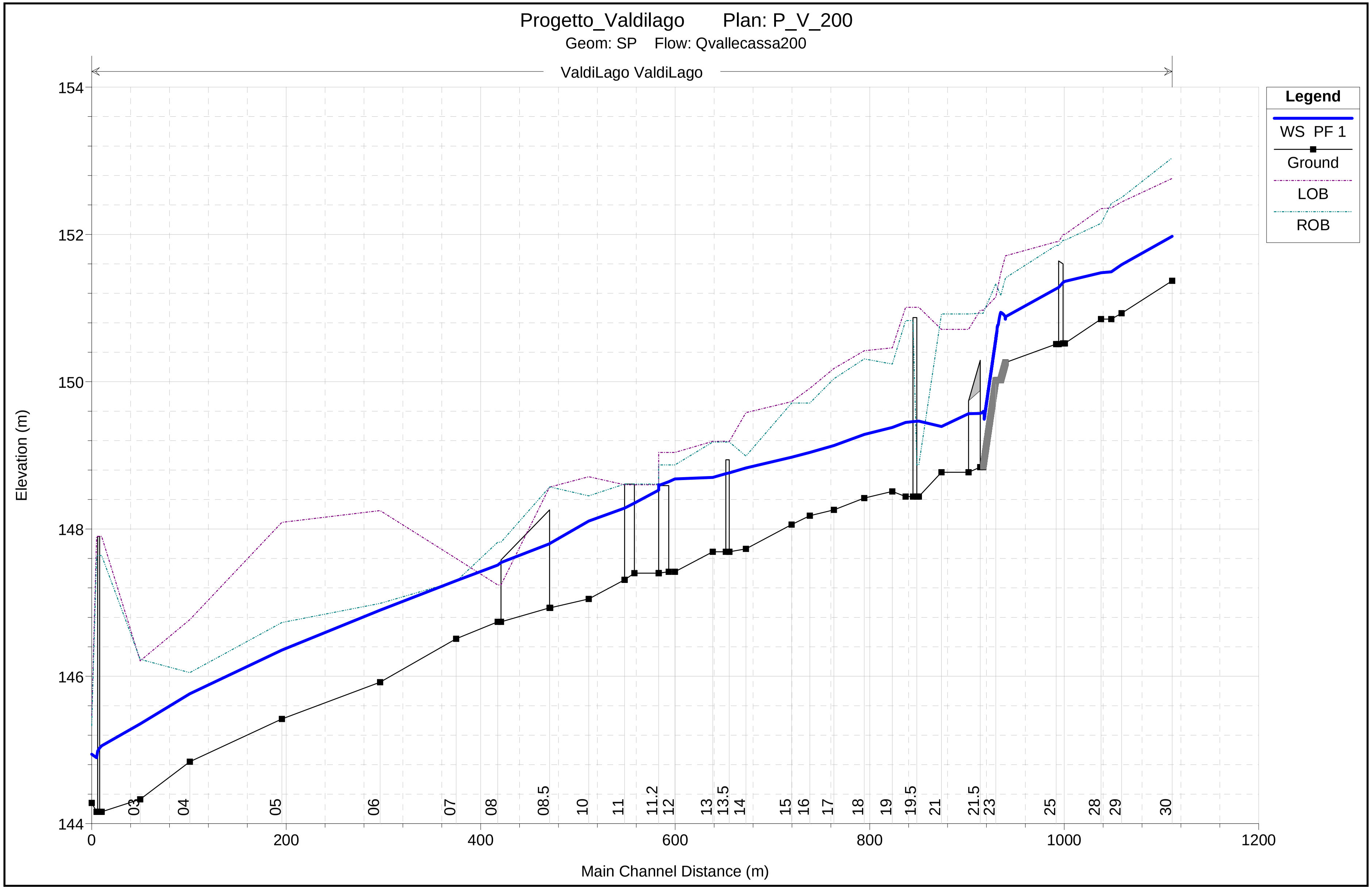
- moto vario

  Tr=200 anni (portata in uscita dalla cassa di espansione del Valdilago - *Sorgente Ingegneria*)

  profilo

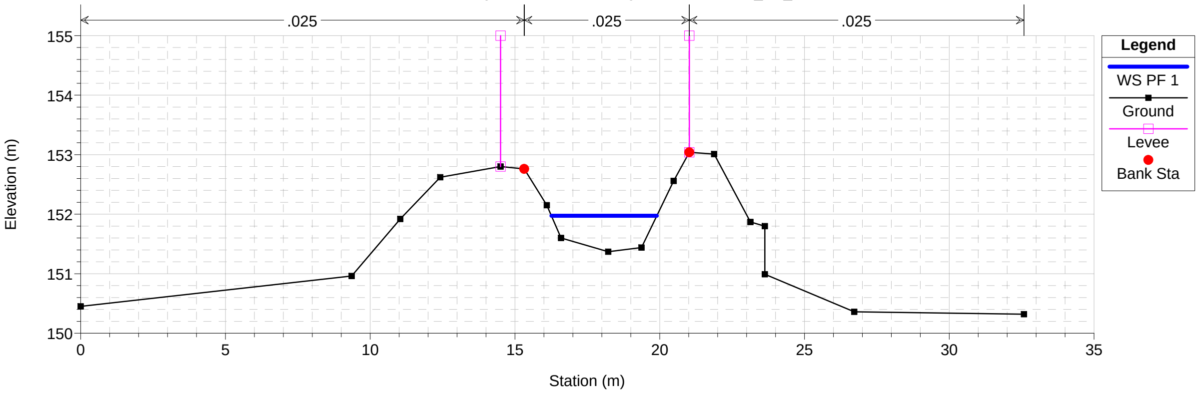
  livelli idrici nelle sezioni di verifica

  tabella di output del software Hec-ras 4.0

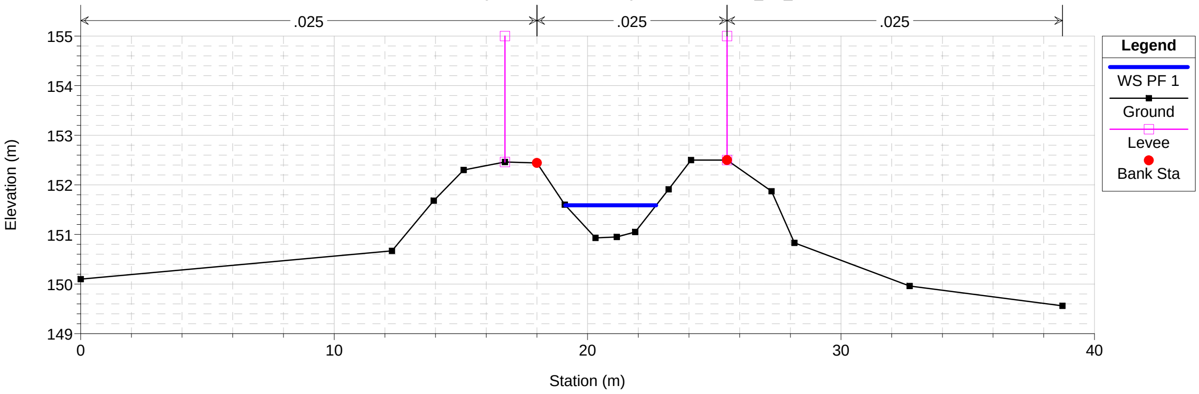


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
ValdiLago ValdiLago
Legend
WS PF 1
Ground
LOB
ROB
Elevation (m)
Main Channel Distance (m)
154
152
150
148
146
144
0
200
400
600
800
1000
1200
03
04
05
06
07
08
08.5
10
11
11.2
12
13
13.5
14
15
16
17
18
19
19.5
21
21.5
23
25
28
29
30

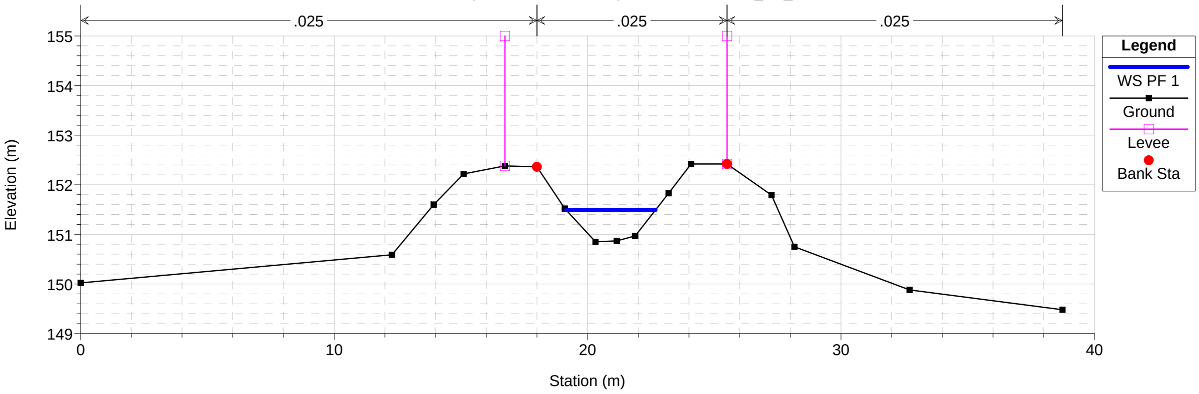
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 30 VL_PS_030



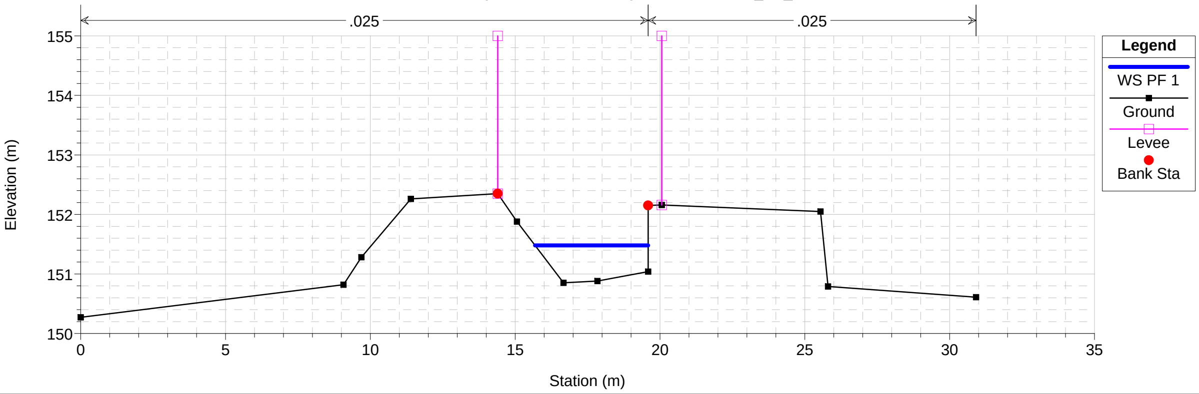
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 29 VL_PS_029

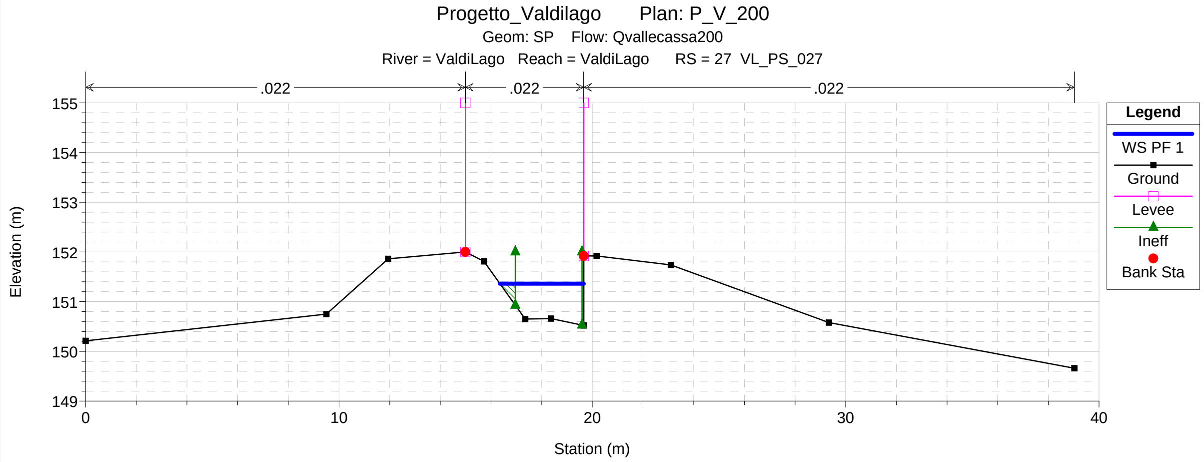


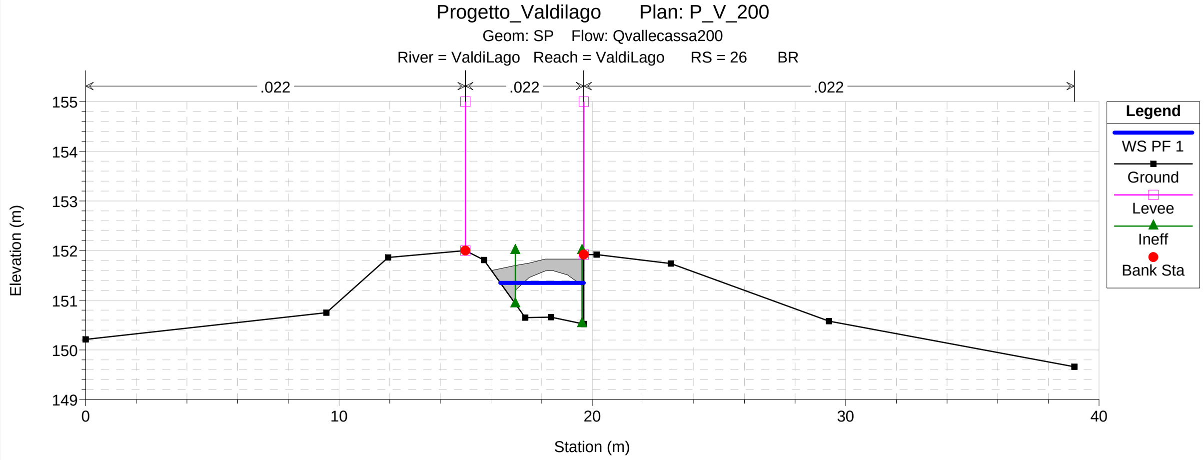
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 28.5 VL_PS_028.5

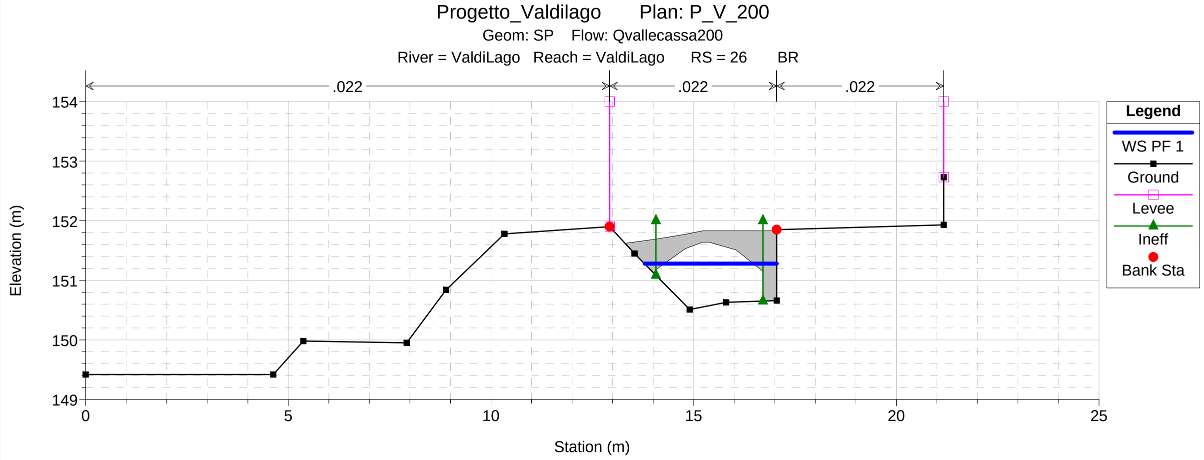


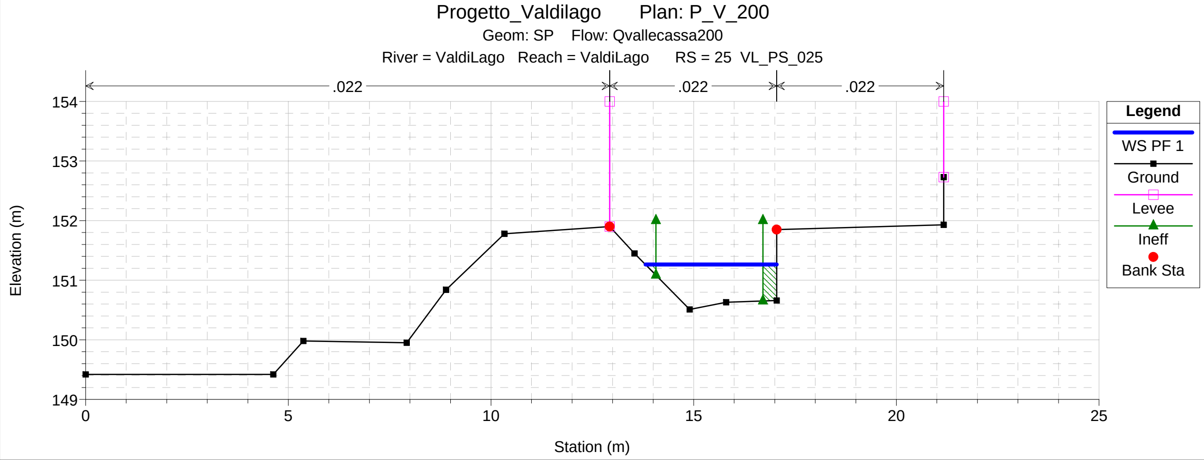
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 28 VL_PS_028

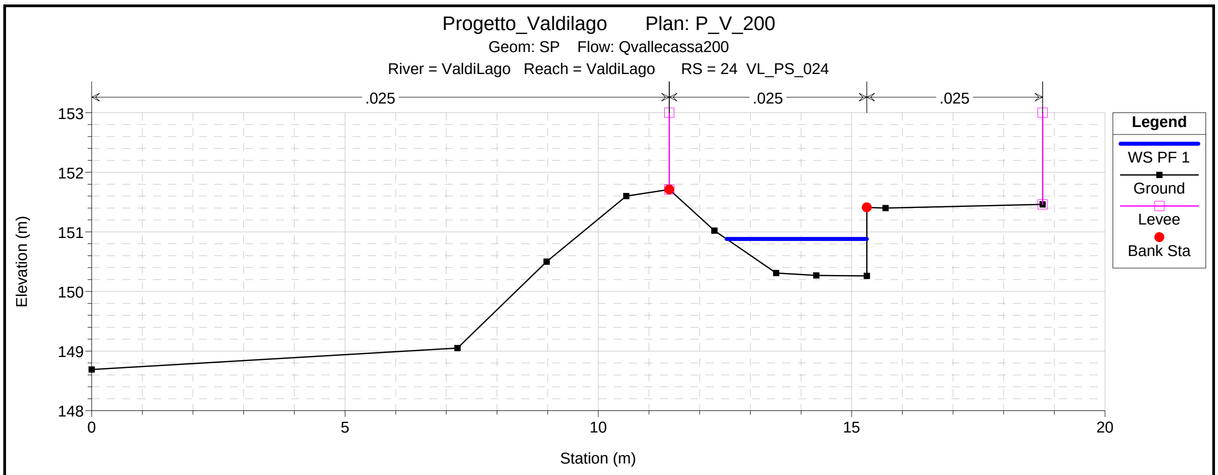


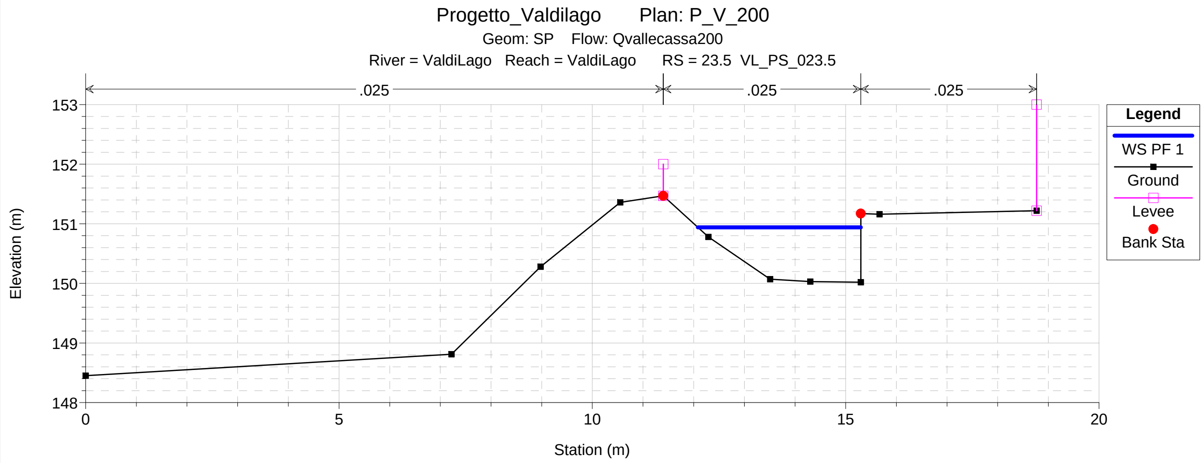

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 27 VL_PS_027
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

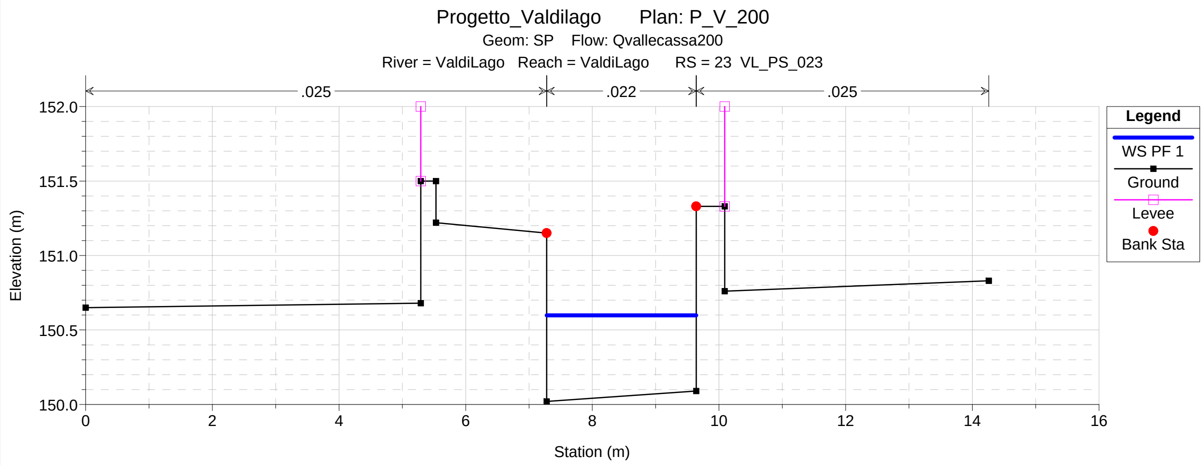

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 26 BR
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

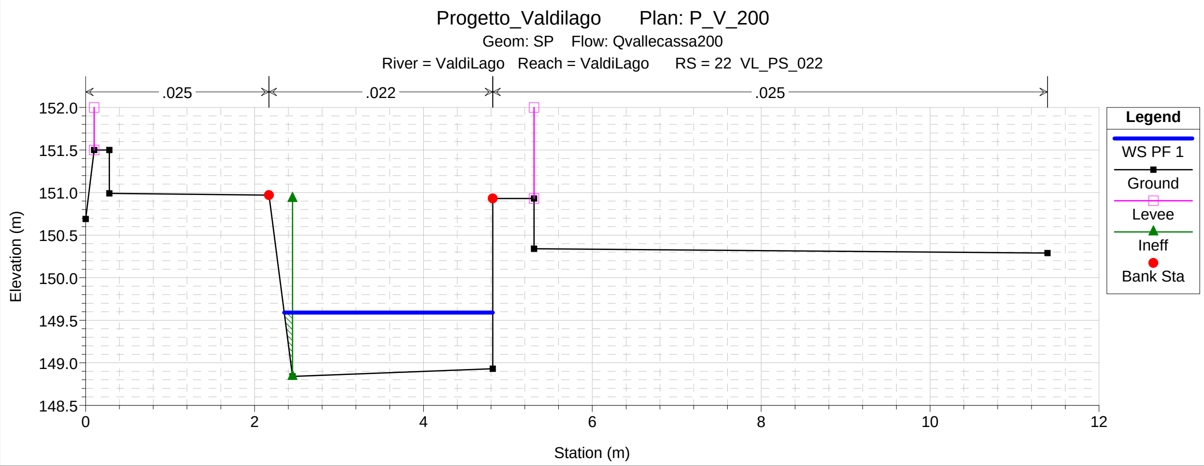

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 26 BR
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

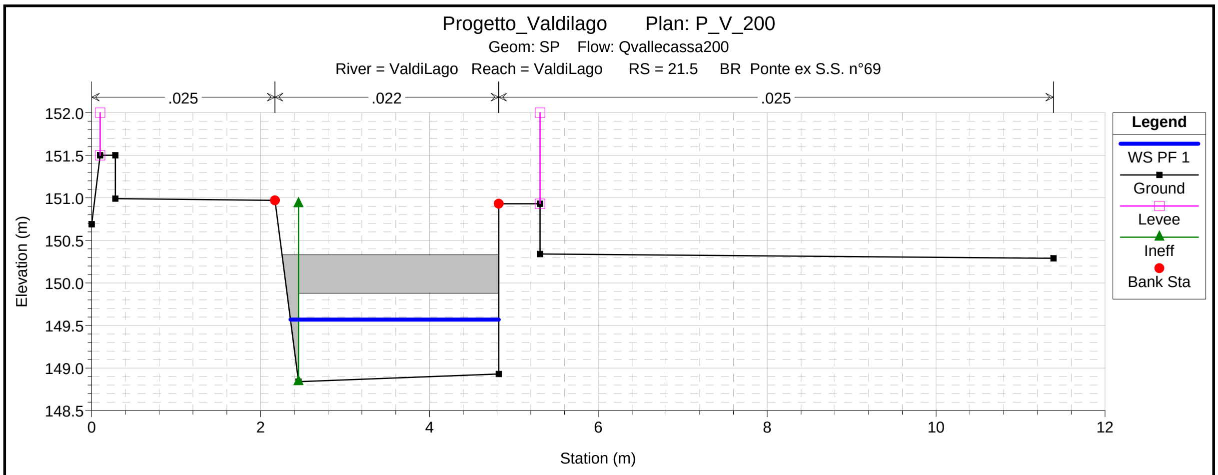

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 25 VL_PS_025
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

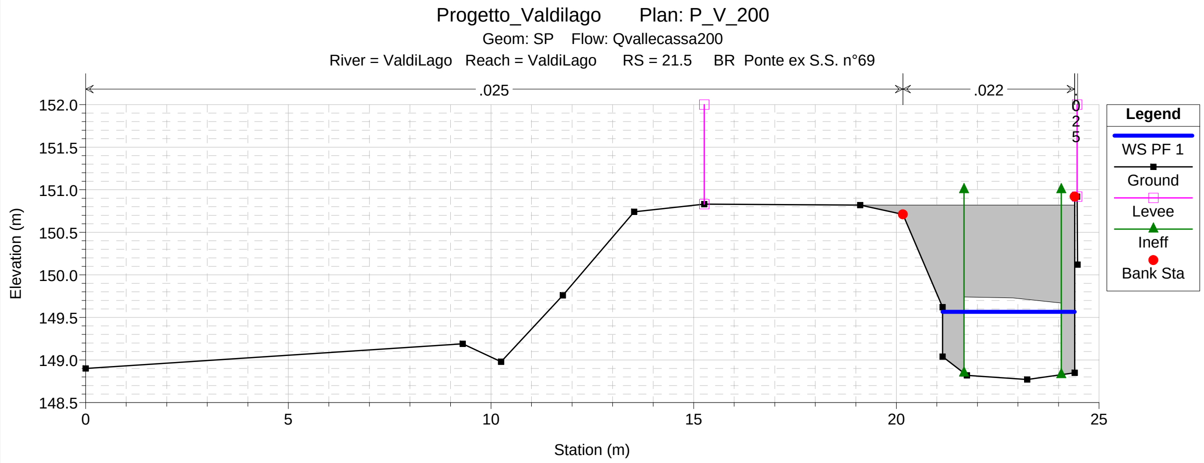

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 24 VL_PS_024
.025
.025
.025
Elevation (m)
Station (m)
153
152
151
150
149
148
0
5
10
15
20
Legend
WS PF 1
Ground
Levee
Bank Sta

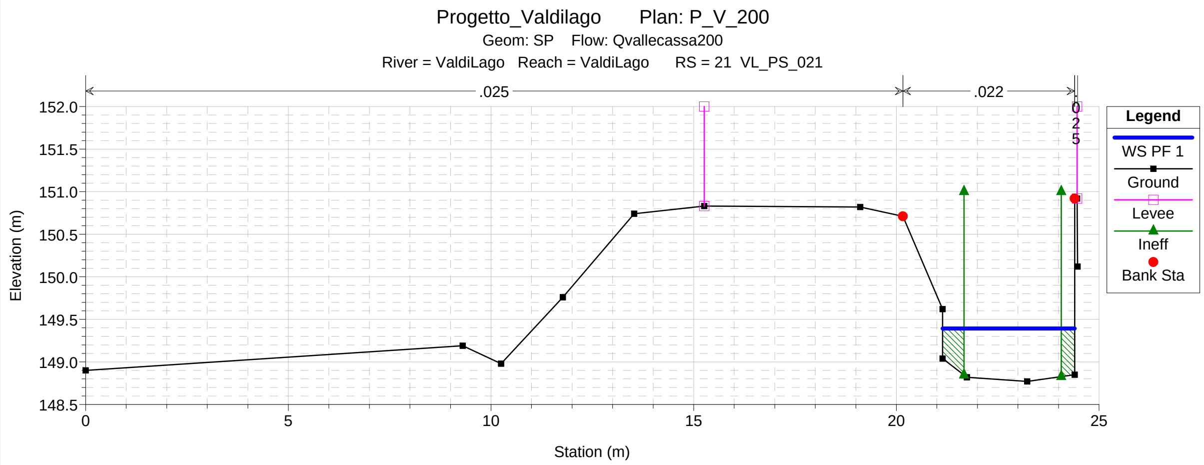

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 23.5 VL_PS_023.5
.025
.025
.025
Elevation (m)
Station (m)
153
152
151
150
149
148
0
5
10
15
20
Legend
WS PF 1
Ground
Levee
Bank Sta

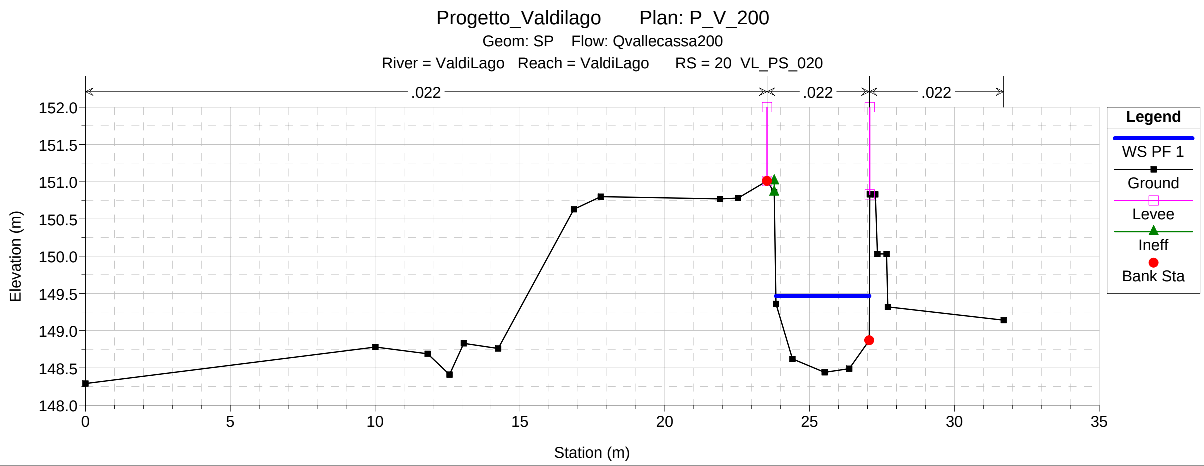

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 23 VL_PS_023
.025
.022
.025
Elevation (m)
Station (m)
152.0
151.5
151.0
150.5
150.0
0
2
4
6
8
10
12
14
16
Legend
WS PF 1
Ground
Levee
Bank Sta

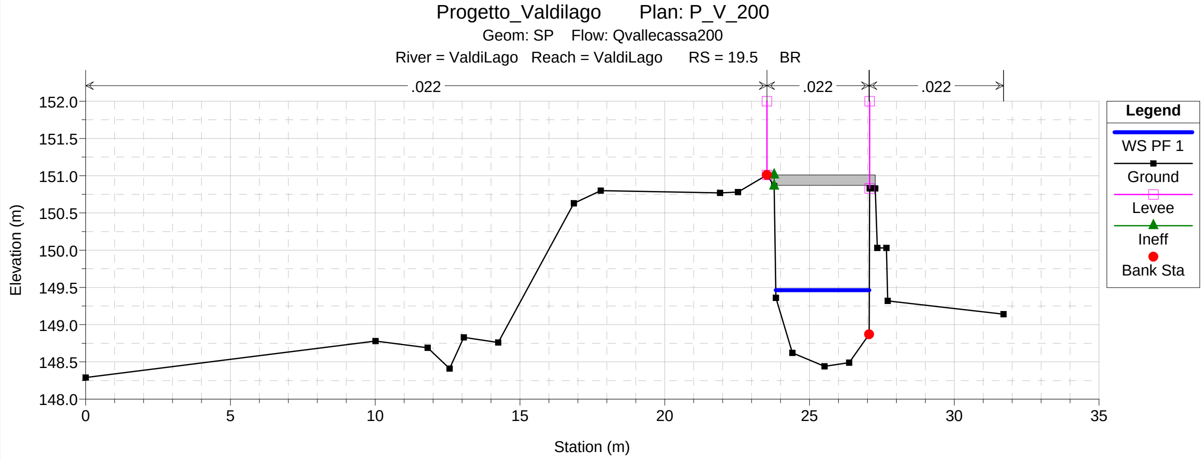

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 22 VL_PS_022
.025
.022
.025
Elevation (m)
Station (m)
152.0
151.5
151.0
150.5
150.0
149.5
149.0
148.5
0
2
4
6
8
10
12
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

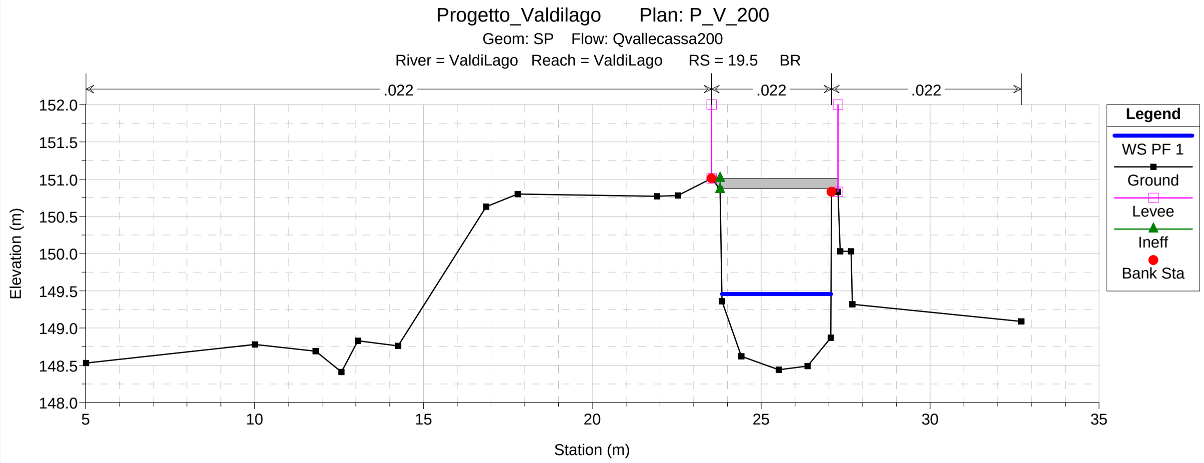

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 21.5 BR Ponte ex S.S. n°69
.025
.022
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

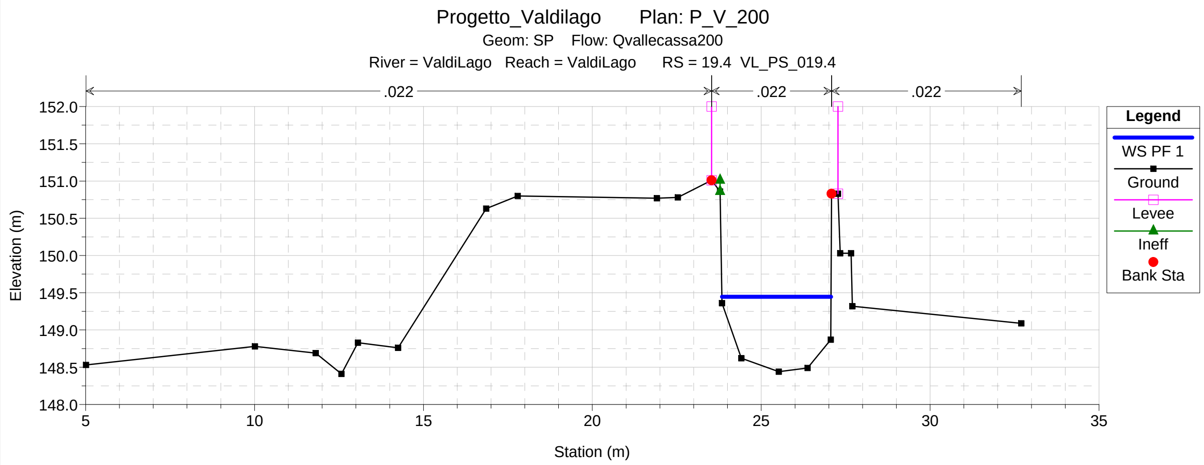

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 21.5 BR Ponte ex S.S. n°69
.025
.022
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

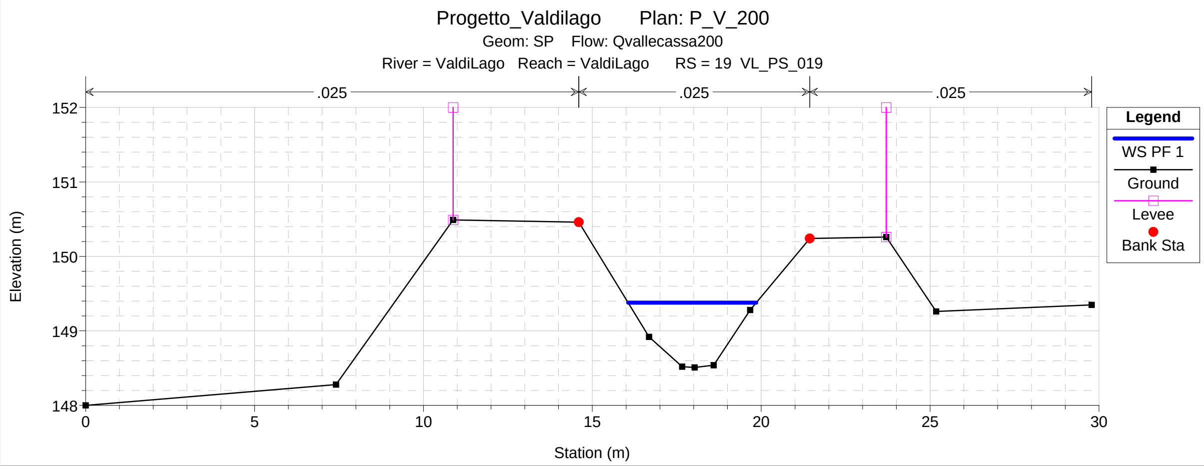

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 21 VL_PS_021
.025
.022
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

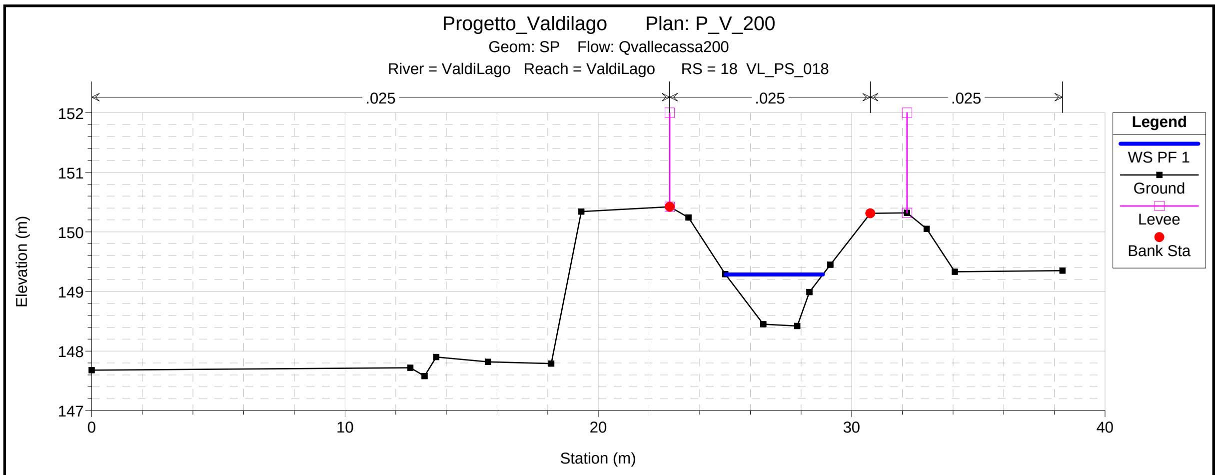

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 20 VL_PS_020
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

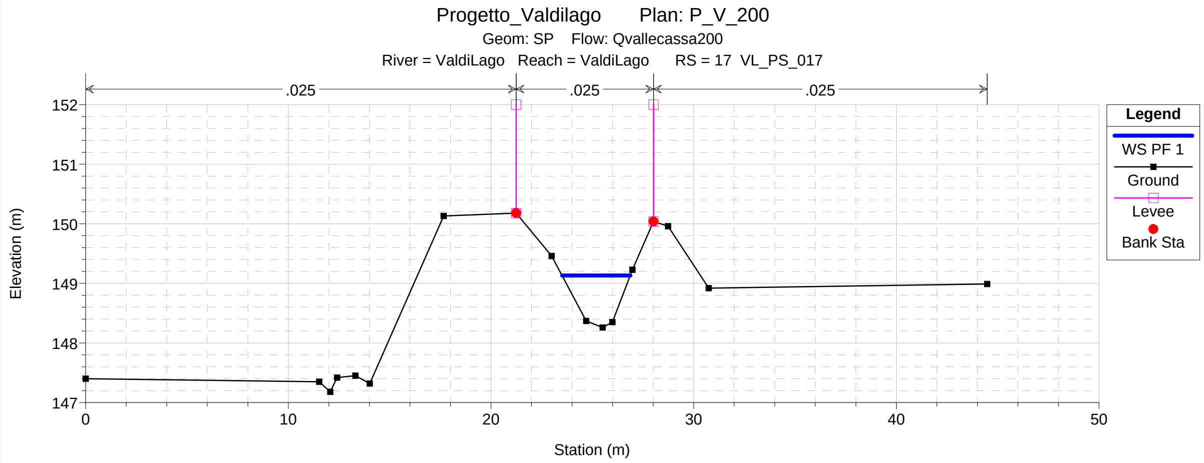

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 19.5 BR
.022
.022
.022
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta
Elevation (m)
Station (m)

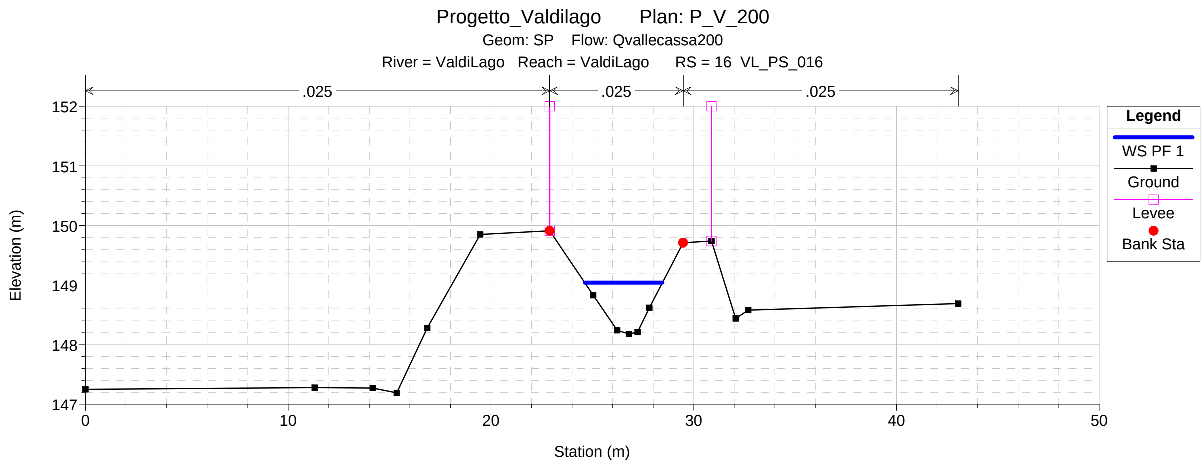

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 19.5 BR
.022
.022
.022
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta
Elevation (m)
Station (m)

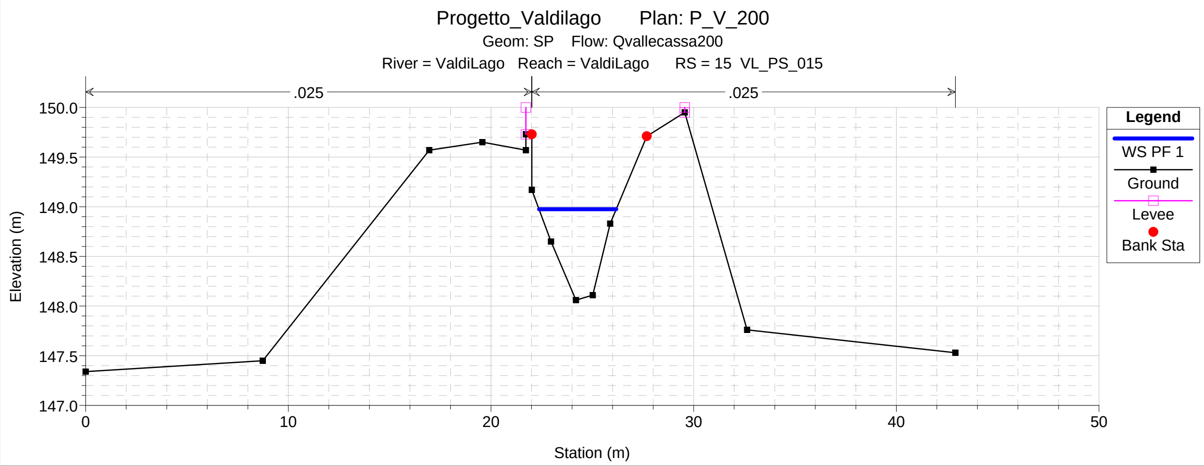

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 19.4 VL_PS_019.4
.022
.022
.022
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta
Elevation (m)
Station (m)

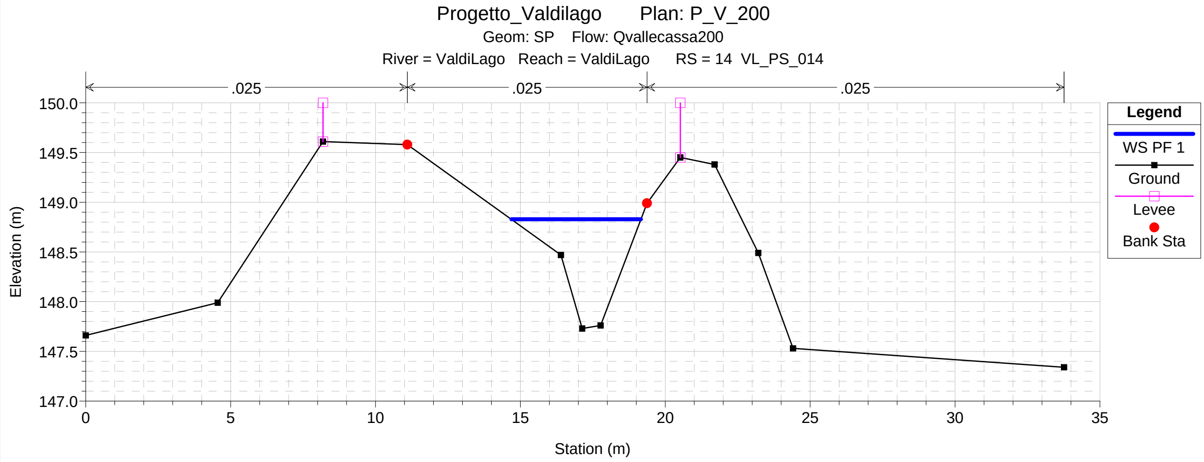

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 19 VL_PS_019
.025
.025
.025
Legend
WS PF 1
Ground
Levee
Bank Sta
Elevation (m)
Station (m)

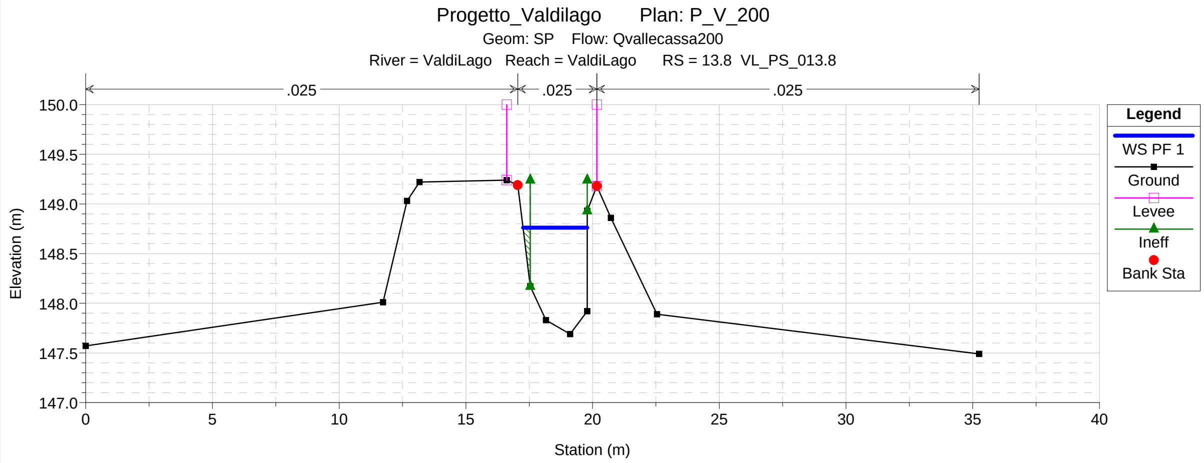

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 18 VL_PS_018
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

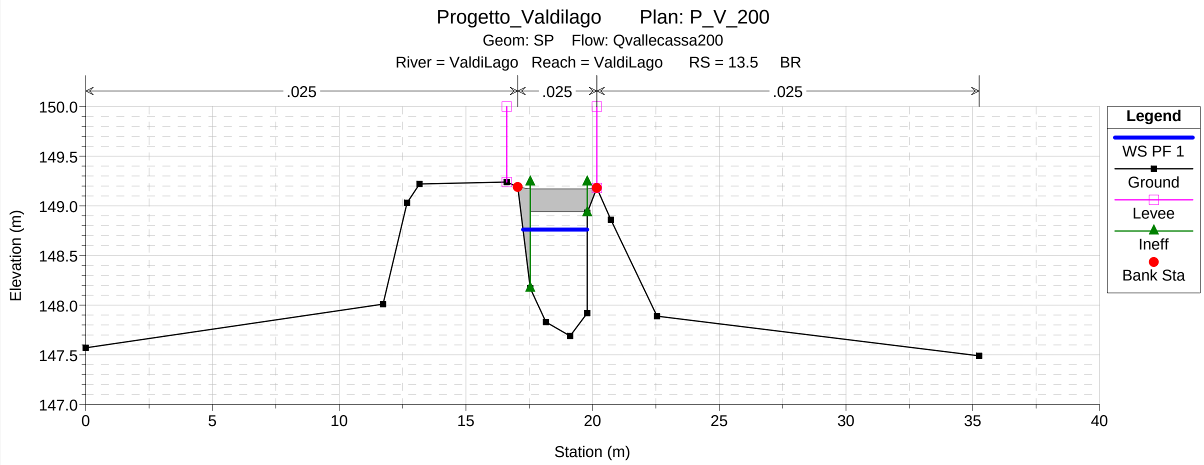

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 17 VL_PS_017
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

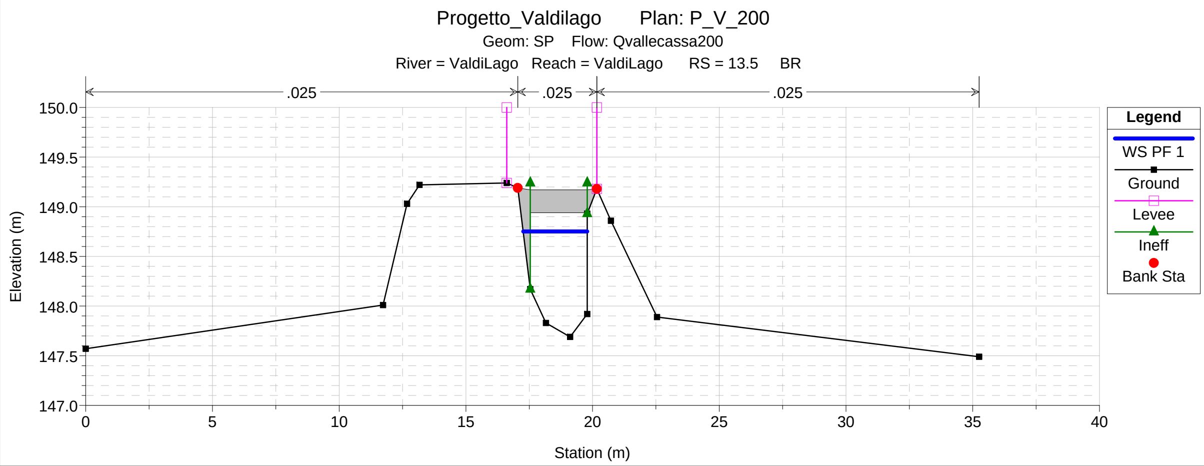

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 16 VL_PS_016
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

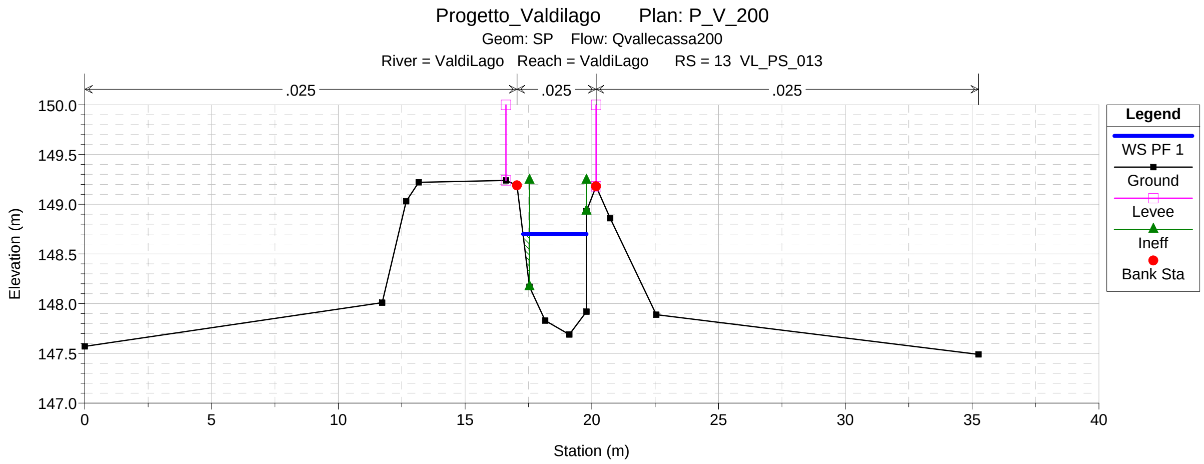

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 15 VL_PS_015
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

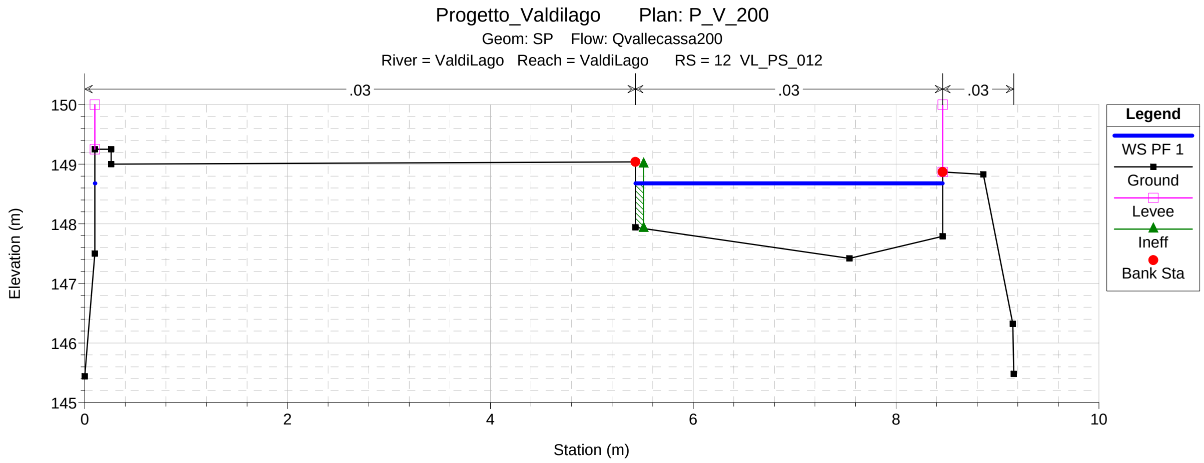

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 14 VL_PS_014
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

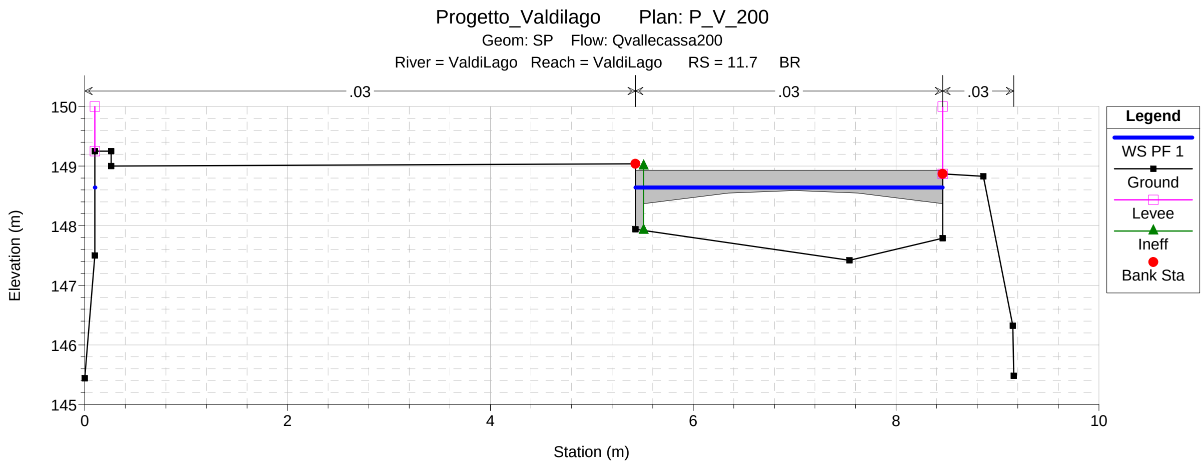

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 13.8 VL_PS_013.8
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

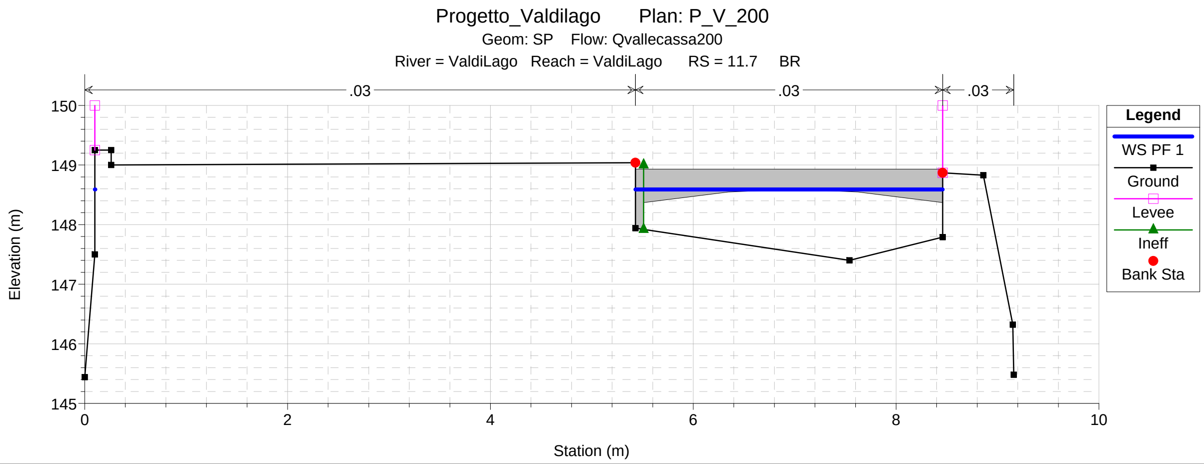

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 13.5 BR
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

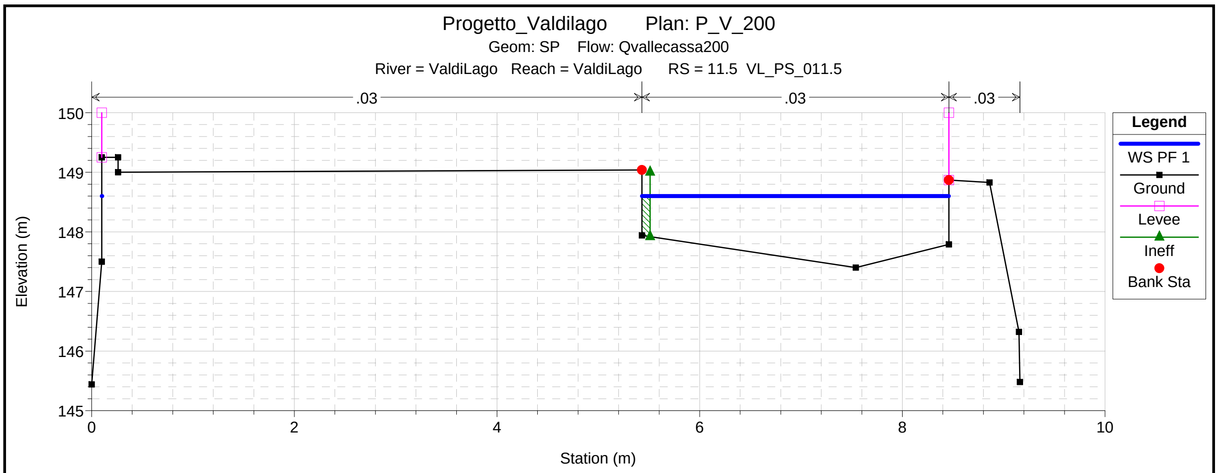

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 13.5 BR
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 13 VL_PS_013
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

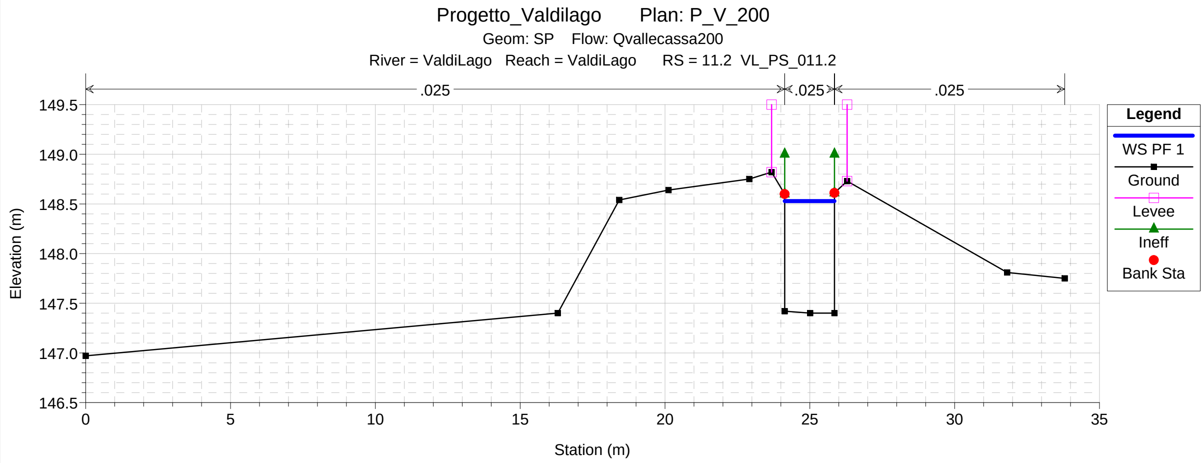

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 12 VL_PS_012
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.7 BR
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

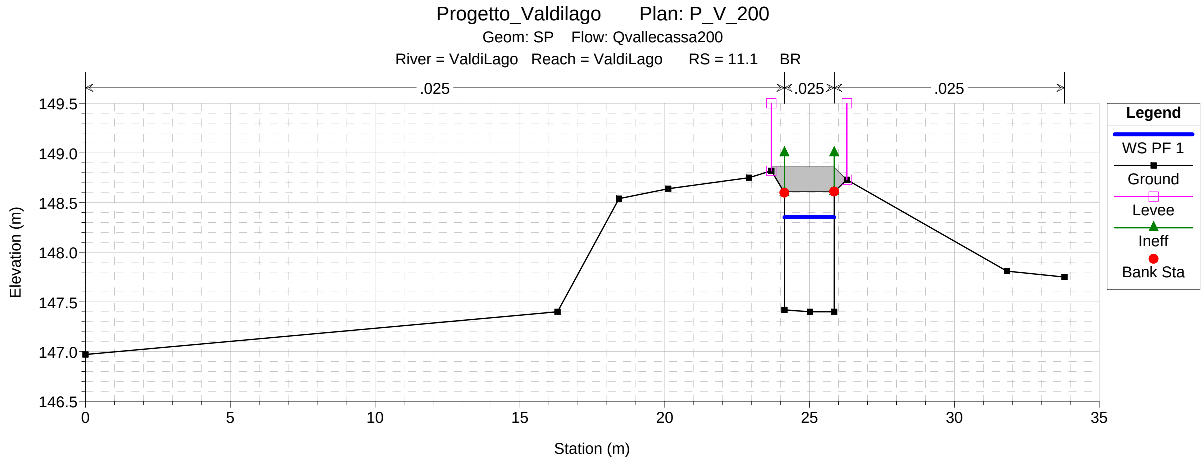

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.7 BR
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta



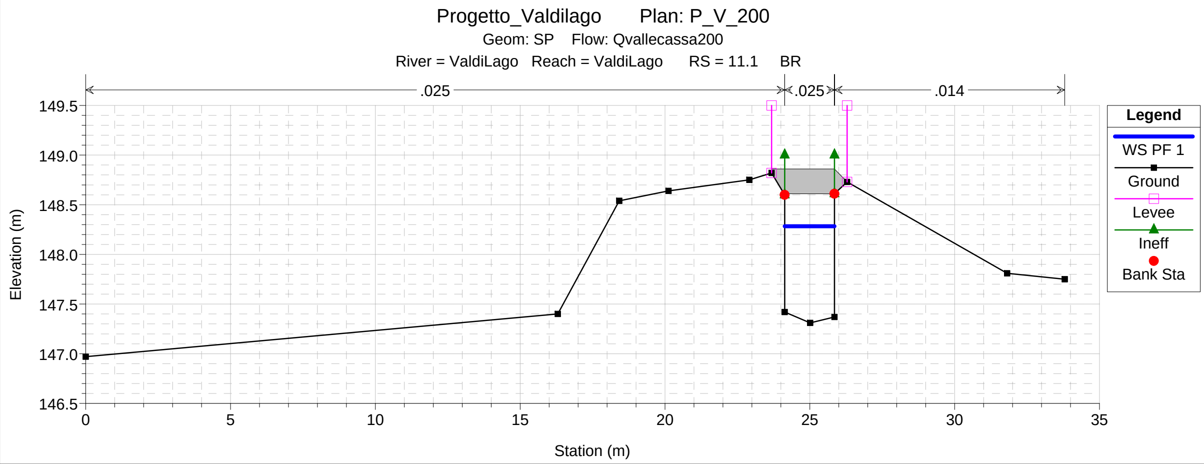
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.5 VL_PS_011.5
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta



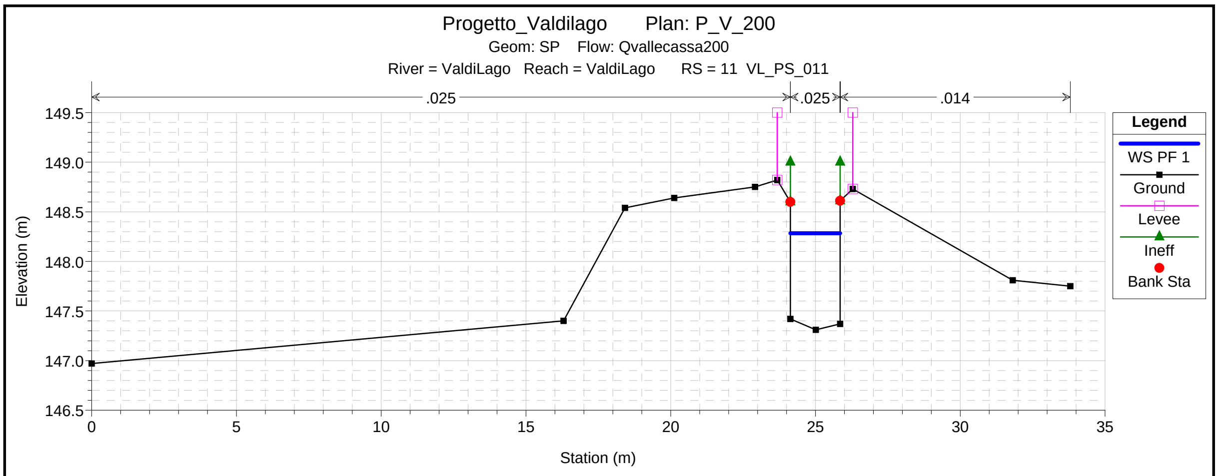
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.2 VL_PS_011.2
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

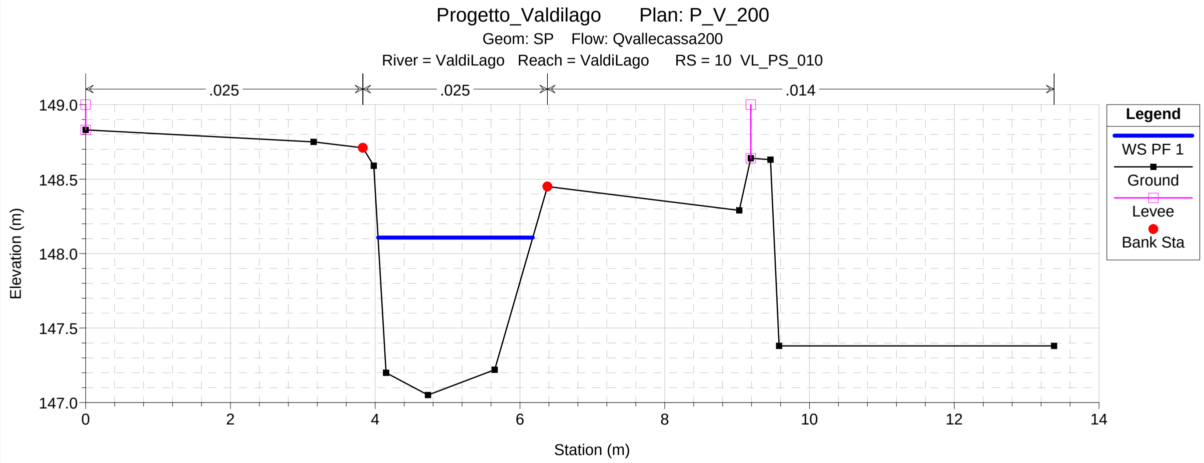


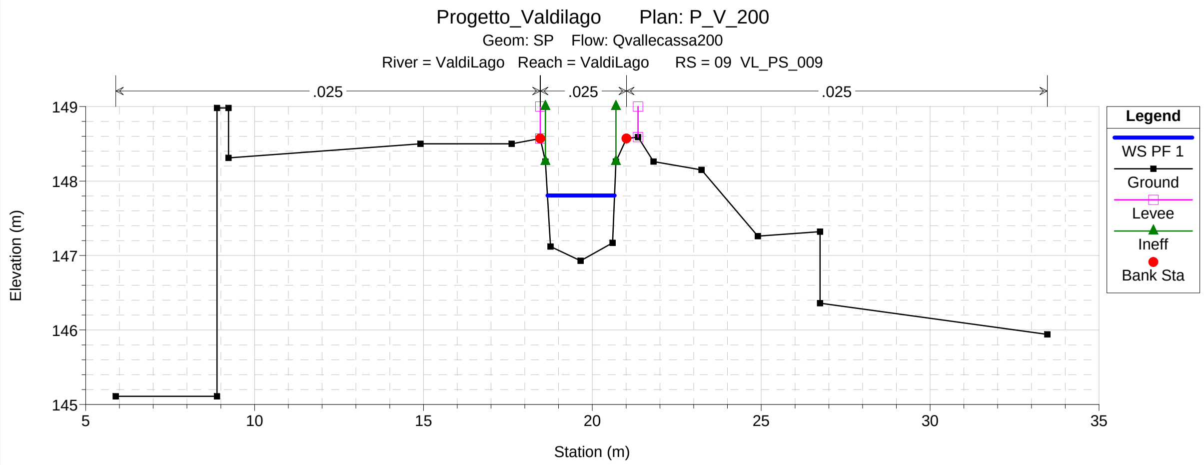
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.1 BR
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

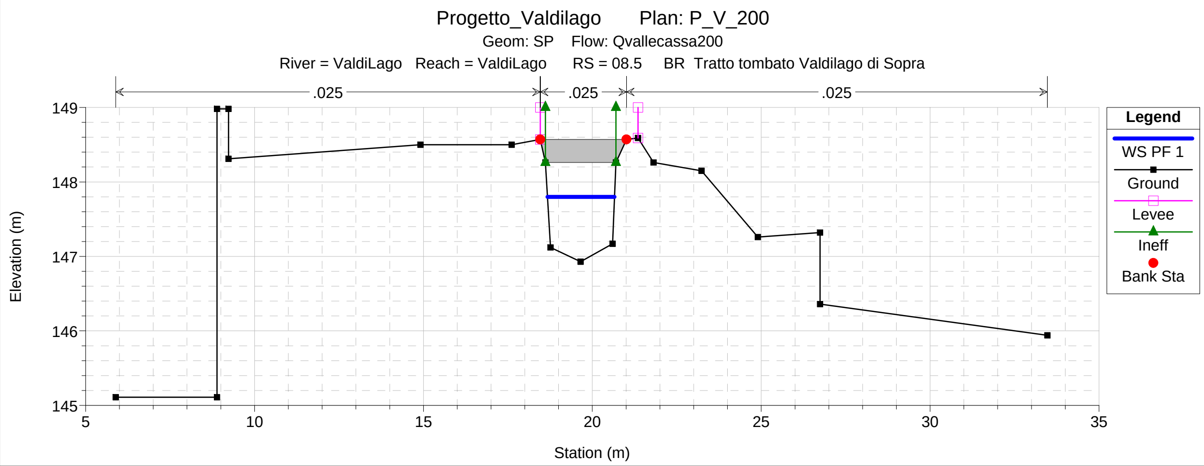


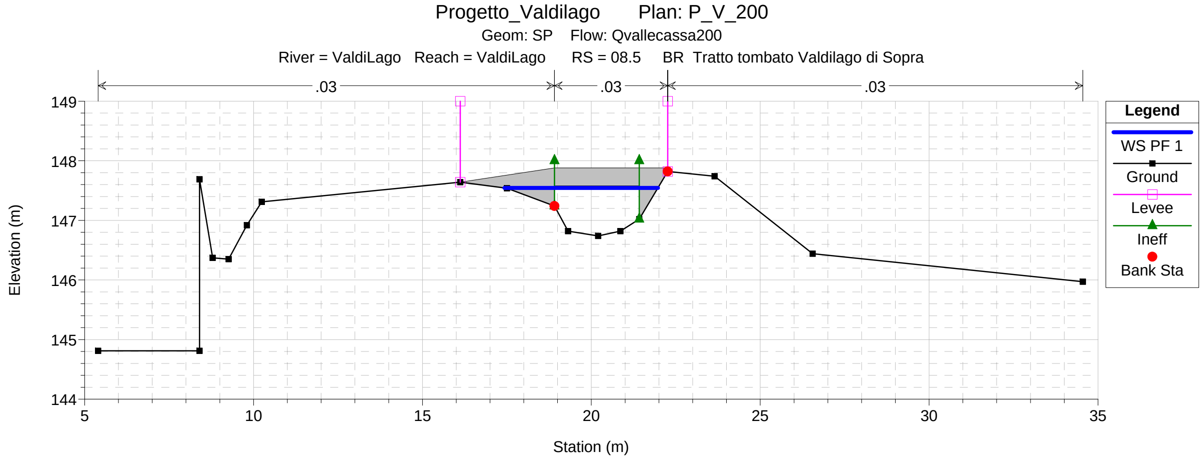
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11.1 BR
.025
.025
.014
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 11 VL_PS_011
.025
.025
.014
Elevation (m)
149.5
149.0
148.5
148.0
147.5
147.0
146.5
0
5
10
15
20
25
30
35
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

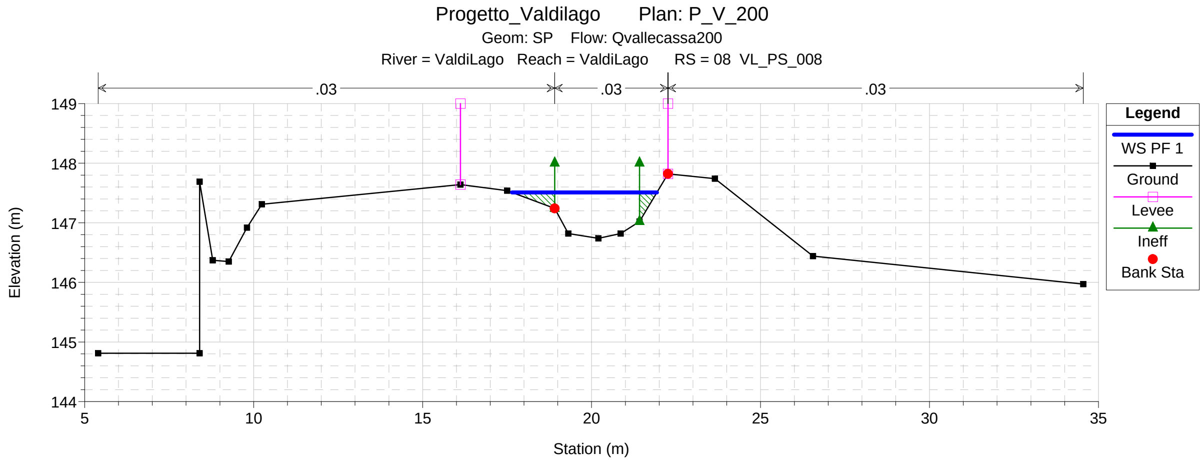

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 10 VL_PS_010
.025
.025
.014
Elevation (m)
149.0
148.5
148.0
147.5
147.0
0
2
4
6
8
10
12
14
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 09 VL_PS_009
.025
.025
.025
Elevation (m)
149
148
147
146
145
5
10
15
20
25
30
35
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

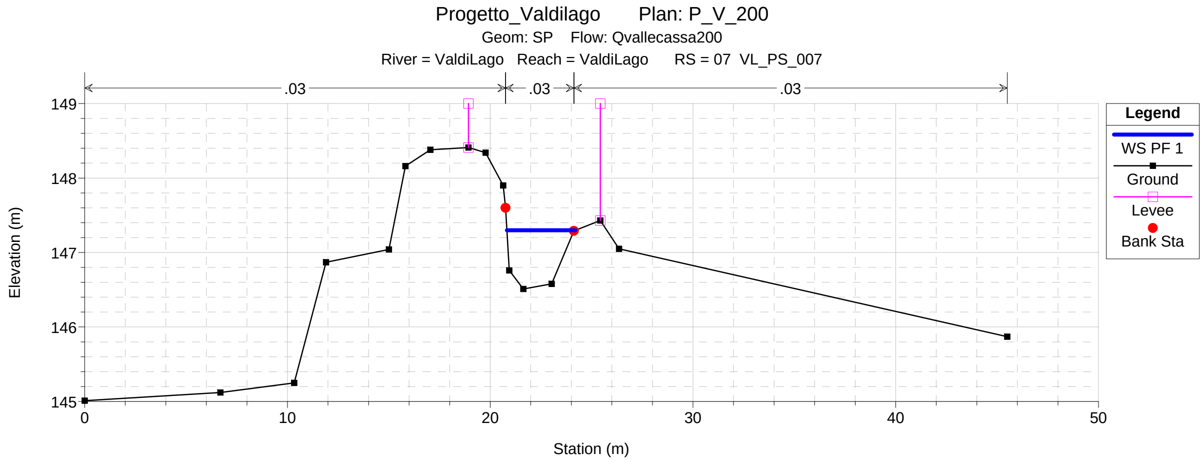

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 08.5 BR Tratto tombato Valdilago di Sopra
.025
.025
.025
Elevation (m)
149
148
147
146
145
5
10
15
20
25
30
35
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta



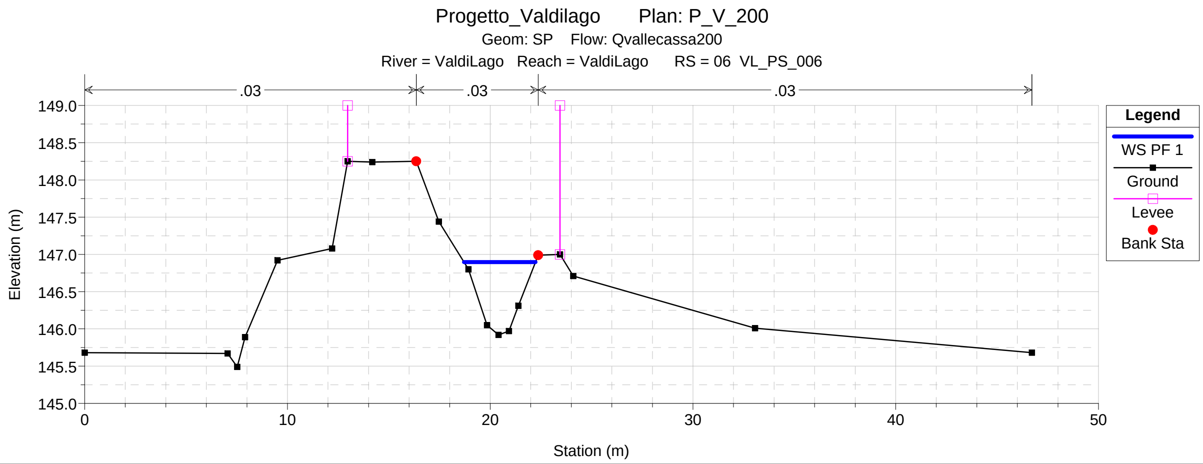
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 08.5 BR Tratto tombato Valdilago di Sopra
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta



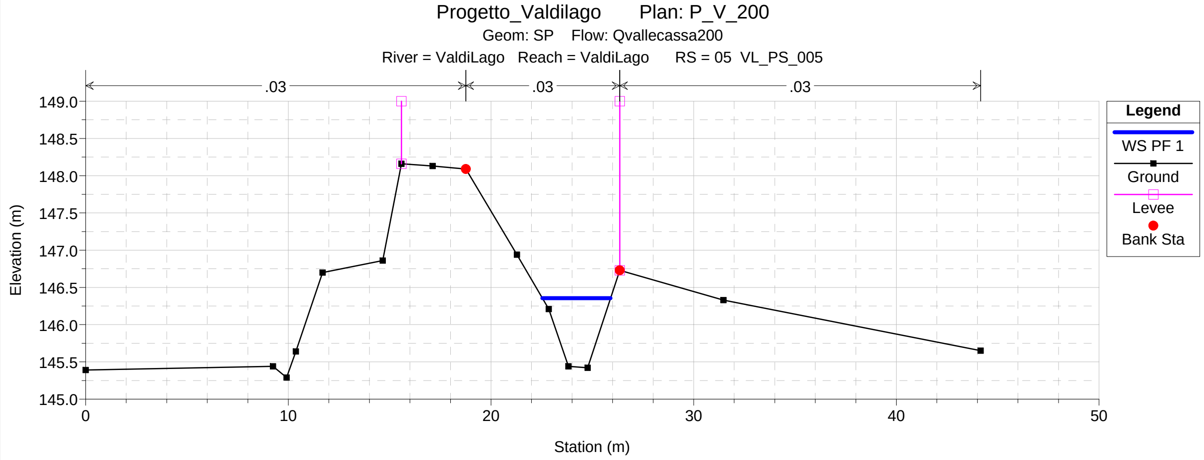
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 08 VL_PS_008
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Ineff
Bank Sta

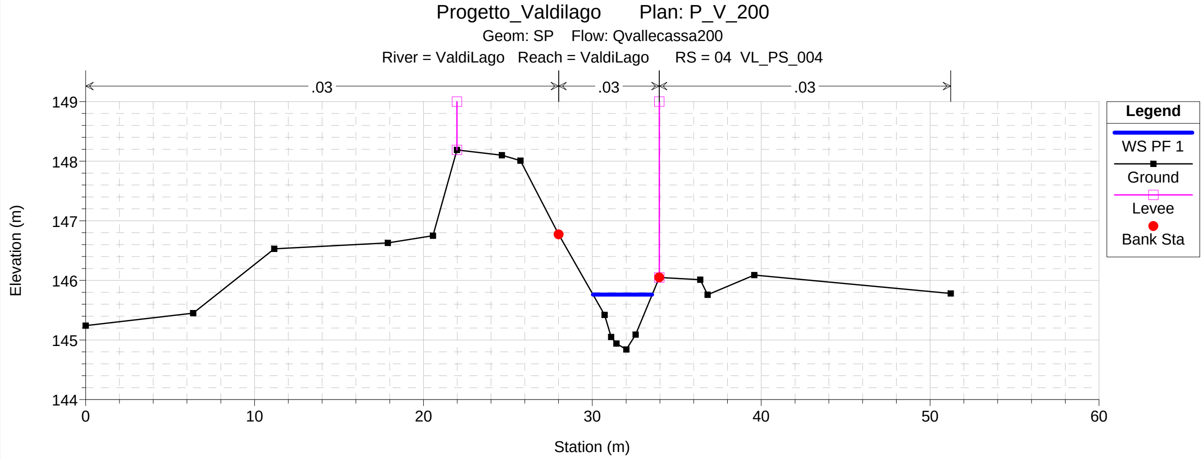


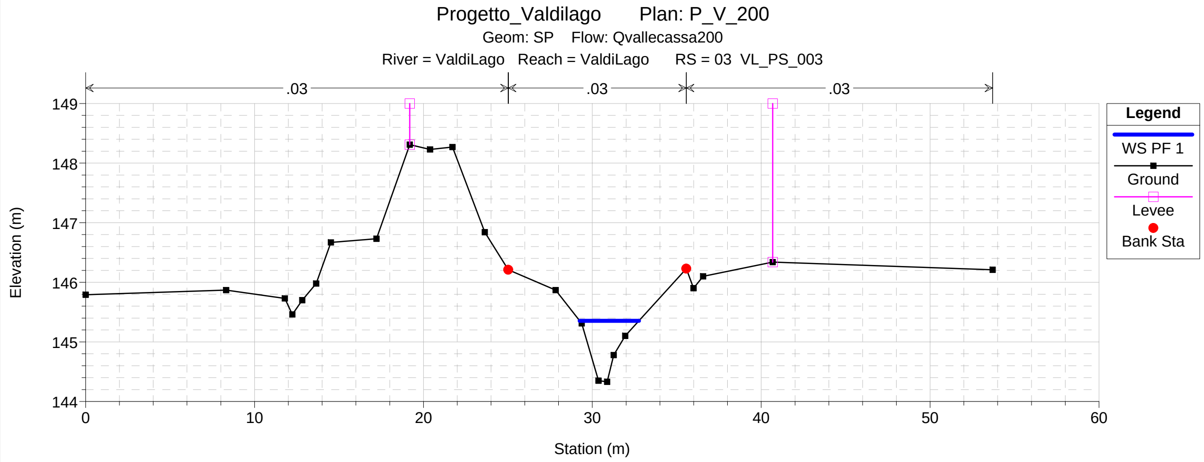
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 07 VL_PS_007
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

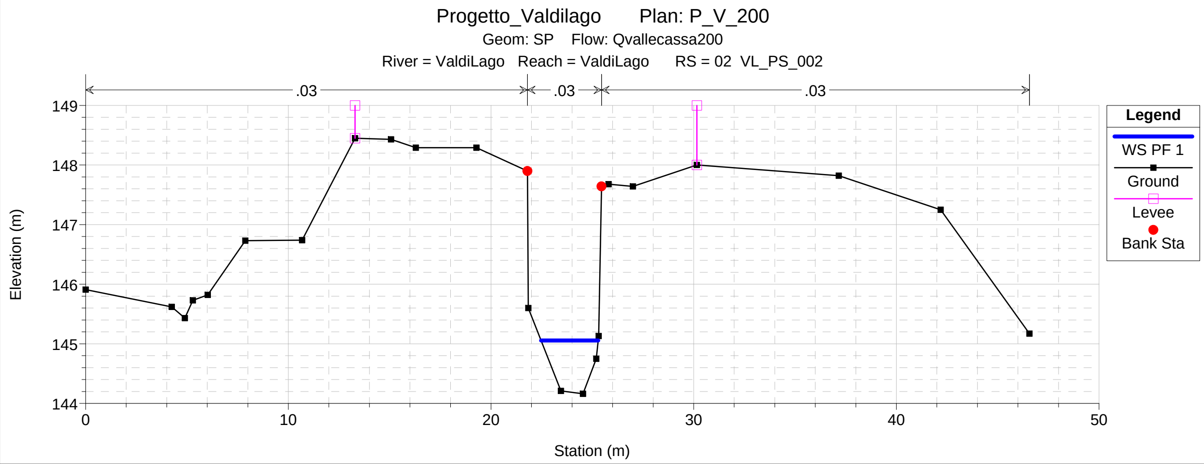


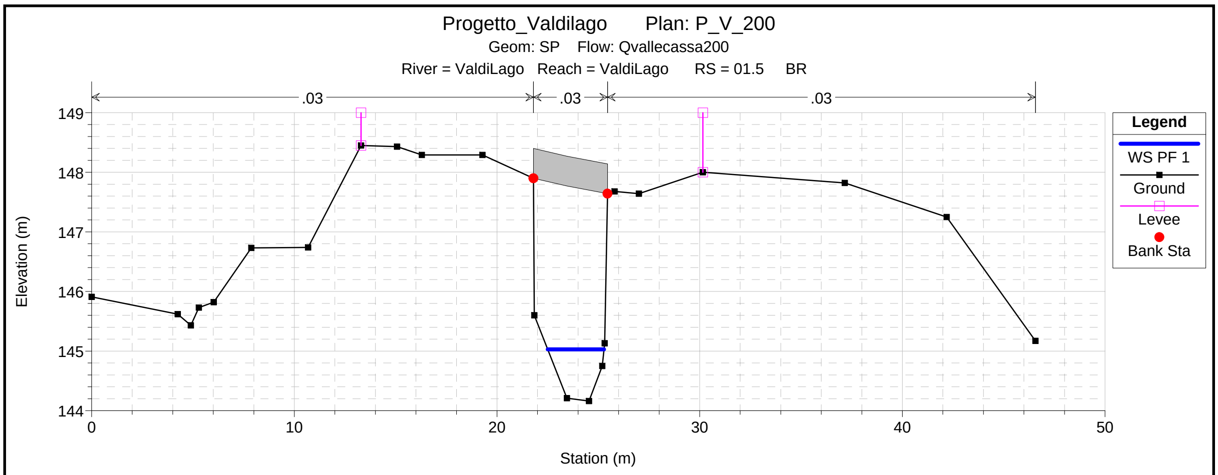
Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 06 VL_PS_006
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

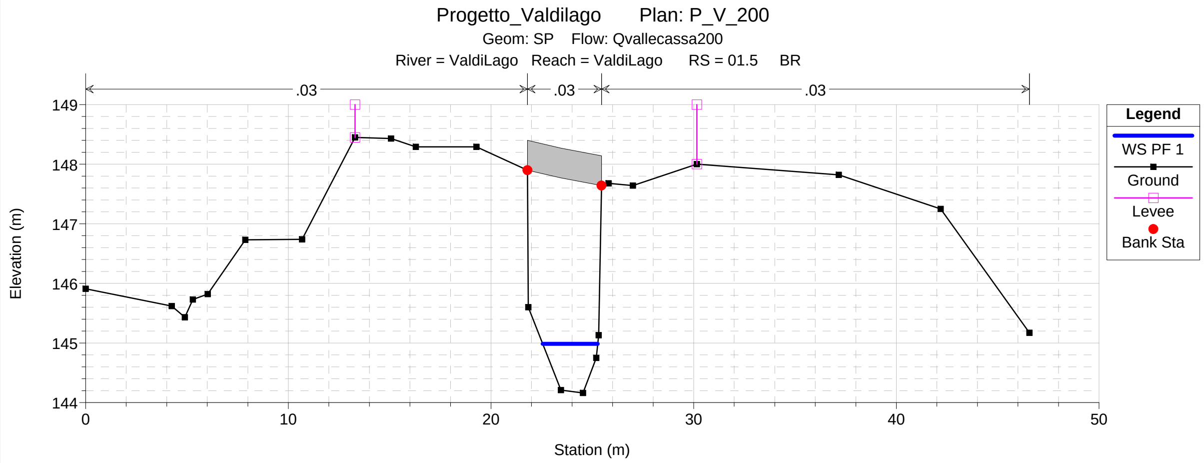

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 05 VL_PS_005
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

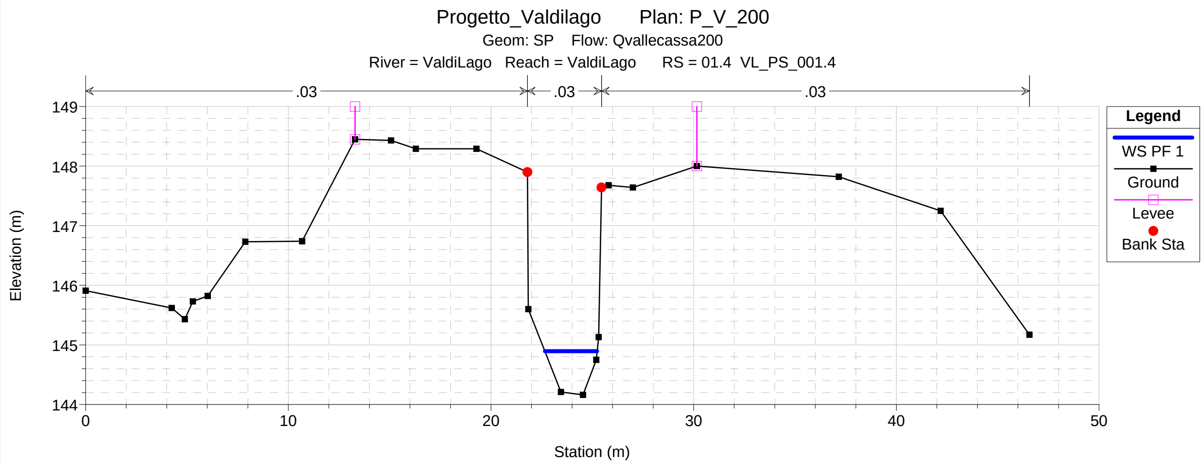

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 04 VL_PS_004
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

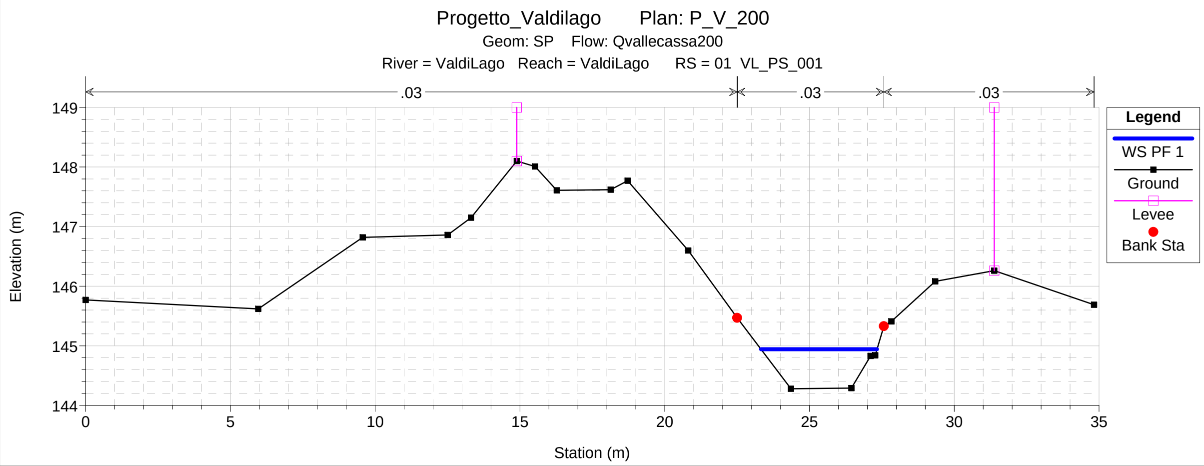

Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 03 VL_PS_003
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 02 VL_PS_002
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 01.5 BR
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 01.5 BR
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 01.4 VL_PS_001.4
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta


Progetto_Valdilago Plan: P_V_200
Geom: SP Flow: Qvallecassa200
River = ValdiLago Reach = ValdiLago RS = 01 VL_PS_001
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS PF 1
Ground
Levee
Bank Sta

HEC-RAS Plan: P_V_200 River: ValdiLago Reach: ValdiLago Profile: PF 1

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)	
ValdiLago	30	PF 1	3.00	151.37	151.97	151.93	152.14	0.006779	1.81	1.65	3.64	0.86
ValdiLago	29	PF 1	3.00	150.93	151.59	151.56	151.77	0.007447	1.89	1.59	3.59	0.91
ValdiLago	28.5	PF 1	3.00	150.85	151.49	151.47	151.69	0.008273	1.96	1.53	3.53	0.95
ValdiLago	28	PF 1	3.00	150.85	151.48	151.36	151.60	0.004660	1.55	1.94	3.90	0.70
ValdiLago	27	PF 1	3.00	150.52	151.36	151.16	151.49	0.002014	1.59	1.88	3.31	0.60
ValdiLago	26		Bridge									
ValdiLago	25	PF 1	3.00	150.51	151.26	151.17	151.45	0.003824	1.90	1.58	3.24	0.79
ValdiLago	24.8		Lat Struct									
ValdiLago	24	PF 1	3.00	150.26	150.88	150.88	151.13	0.010841	2.20	1.36	2.77	1.00
ValdiLago	23.5	PF 1	3.00	150.02	150.94	150.64	151.03	0.002639	1.32	2.27	3.22	0.50
ValdiLago	23	PF 1	3.00	150.02	150.60	150.60	150.88	0.009924	2.34	1.28	2.36	1.01
ValdiLago	22	PF 1	3.00	148.84	149.59	149.43	149.75	0.003446	1.79	1.67	2.47	0.68
ValdiLago	21.5		Bridge									
ValdiLago	21	PF 1	3.00	148.77	149.39	149.34	149.62	0.004290	2.10	1.43	3.26	0.87
ValdiLago	20	PF 1	3.00	148.44	149.46	149.05	149.53	0.000944	1.11	2.70	3.23	0.39
ValdiLago	19.5		Bridge									
ValdiLago	19.4	PF 1	3.00	148.44	149.45	149.05	149.51	0.001216	1.14	2.64	3.23	0.40
ValdiLago	19	PF 1	3.00	148.51	149.38	149.19	149.48	0.003291	1.43	2.10	3.79	0.61
ValdiLago	18	PF 1	3.00	148.42	149.28	149.09	149.39	0.003333	1.42	2.12	3.84	0.61
ValdiLago	17	PF 1	3.00	148.26	149.13	148.99	149.27	0.004353	1.61	1.86	3.37	0.69
ValdiLago	16	PF 1	3.00	148.18	149.04	148.89	149.16	0.004010	1.52	1.98	3.83	0.67
ValdiLago	15	PF 1	3.00	148.06	148.98	148.79	149.08	0.003593	1.46	2.06	3.81	0.63
ValdiLago	14.9		Lat Struct									
ValdiLago	14	PF 1	3.00	147.73	148.83	148.60	148.92	0.003257	1.32	2.28	4.47	0.59
ValdiLago	13.88		Lat Struct									
ValdiLago	13.8	PF 1	3.00	147.69	148.76	148.41	148.87	0.002355	1.45	2.07	2.53	0.48
ValdiLago	13.5		Bridge									
ValdiLago	13	PF 1	3.00	147.69	148.70	148.41	148.82	0.002892	1.55	1.94	2.50	0.53
ValdiLago	12.9		Lat Struct									
ValdiLago	12	PF 1	3.00	147.42	148.68	148.12	148.73	0.001253	0.99	3.04	3.03	0.31
ValdiLago	11.7		Bridge									
ValdiLago	11.5	PF 1	3.00	147.40	148.60	148.11	148.66	0.001543	1.06	2.84	3.03	0.34
ValdiLago	11.2	PF 1	3.00	147.40	148.53	148.08	148.65	0.003920	1.55	1.93	1.72	0.47
ValdiLago	11.1		Bridge									
ValdiLago	11	PF 1	3.00	147.31	148.28	148.03	148.46	0.006245	1.87	1.60	1.72	0.62

HEC-RAS Plan: P_V_200   River: ValdiLago   Reach: ValdiLago   Profile: PF 1 (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)	
ValdiLago	10.9		Lat Struct									
ValdiLago	10.8		Lat Struct									
ValdiLago	10	PF 1	3.00	147.05	148.11	147.84	148.26	0.004611	1.72	1.75	2.14	0.61
ValdiLago	09	PF 1	3.00	146.93	147.81	147.68	148.02	0.007532	2.05	1.46	1.99	0.76
ValdiLago	08.5		Bridge									
ValdiLago	08	PF 1	3.00	146.74	147.51	147.38	147.68	0.005795	1.81	1.65	4.29	0.71
ValdiLago	7.9		Lat Struct									
ValdiLago	7.8		Lat Struct									
ValdiLago	07	PF 1	3.00	146.51	147.30	147.13	147.42	0.005622	1.55	1.94	3.38	0.64
ValdiLago	06	PF 1	3.00	145.92	146.90	146.69	147.01	0.004899	1.46	2.05	3.53	0.61
ValdiLago	05	PF 1	3.00	145.42	146.36	146.16	146.48	0.005583	1.54	1.95	3.36	0.65
ValdiLago	04	PF 1	3.00	144.84	145.76	145.63	145.90	0.006751	1.63	1.84	3.51	0.72
ValdiLago	03	PF 1	3.00	144.33	145.35	145.25	145.51	0.008752	1.73	1.74	3.51	0.78
ValdiLago	02	PF 1	3.00	144.16	145.06	144.89	145.20	0.006628	1.70	1.77	2.82	0.68
ValdiLago	01.5		Bridge									
ValdiLago	01.4	PF 1	3.00	144.16	144.89	144.89	145.15	0.014438	2.25	1.33	2.58	1.00
ValdiLago	01	PF 1	3.00	144.28	144.94	144.81	145.06	0.006001	1.51	1.99	4.01	0.68

torrente Caposelvi - stato di progetto

verifiche con Tpioggia critico per il Torrente Caposelvi

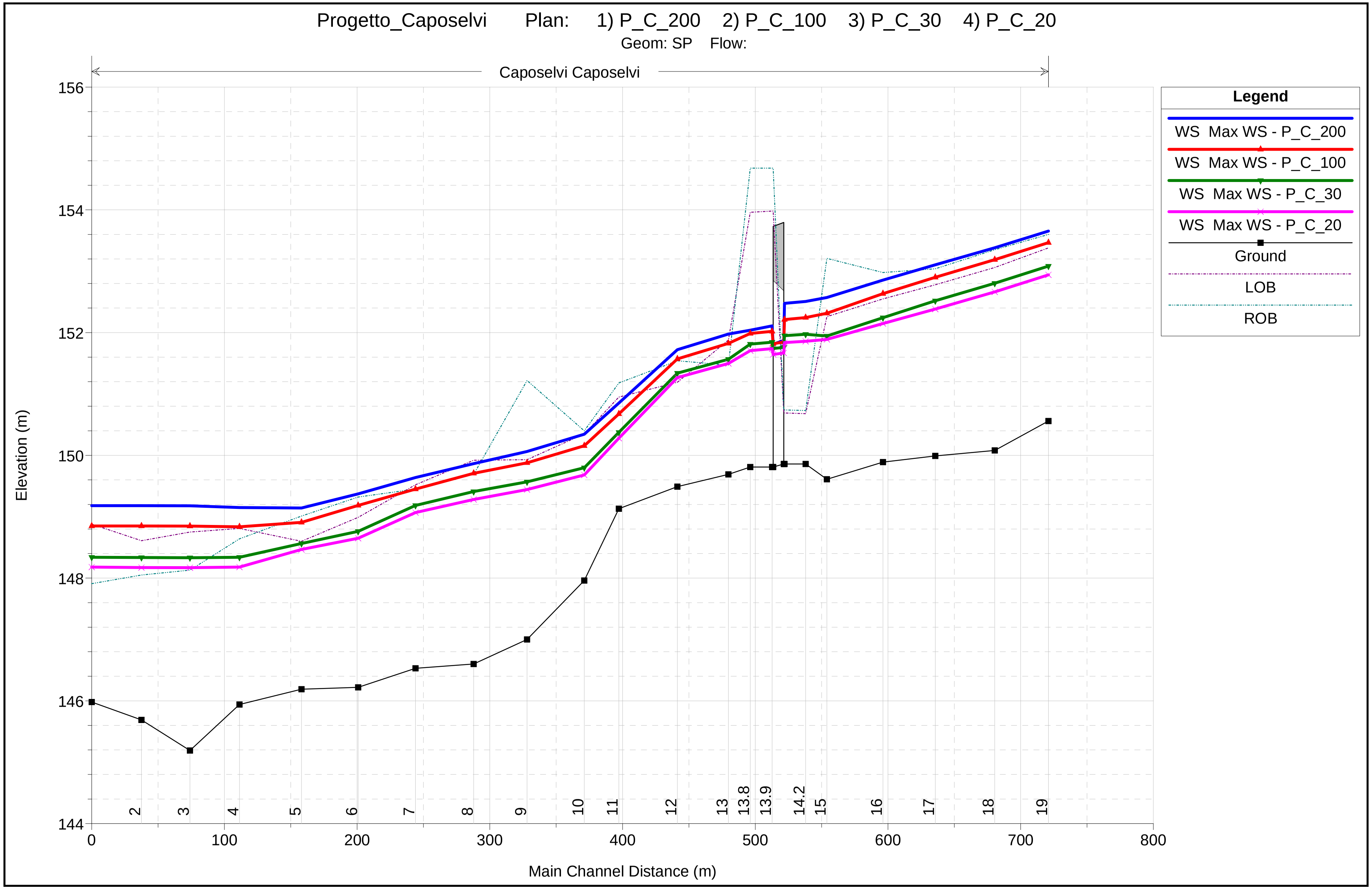
- moto vario

  Tr=200, 100, 30 e 20 anni

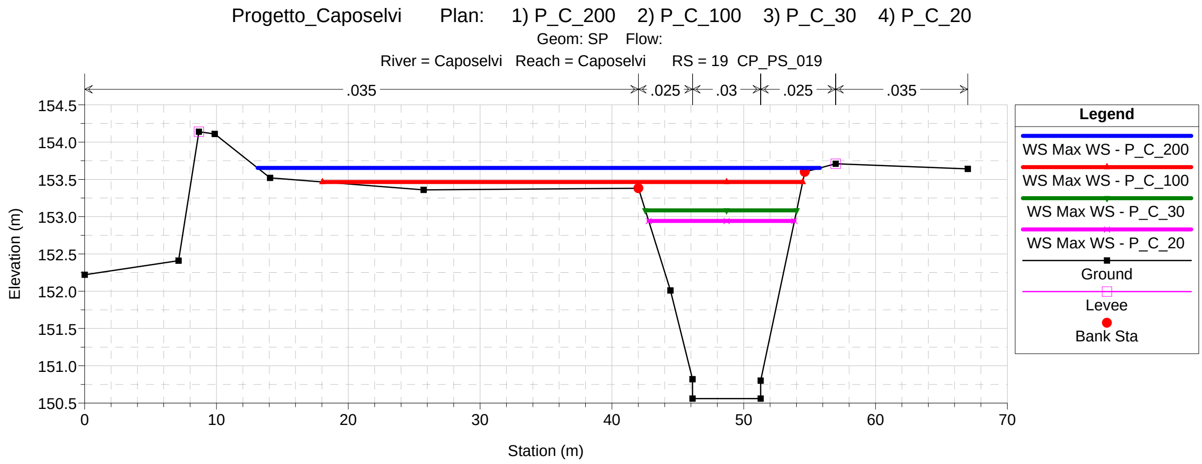
  profilo

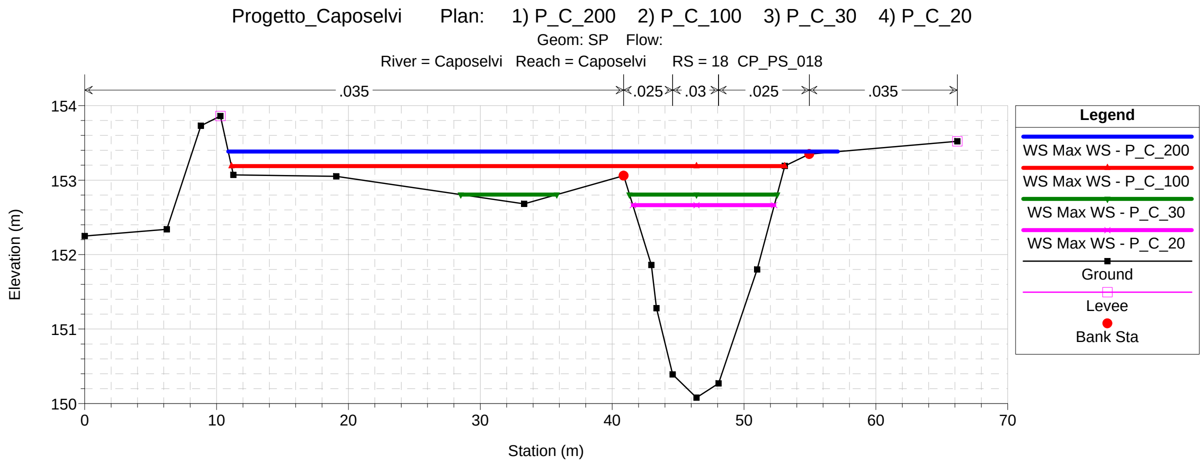
  livelli idrici nelle sezioni di verifica

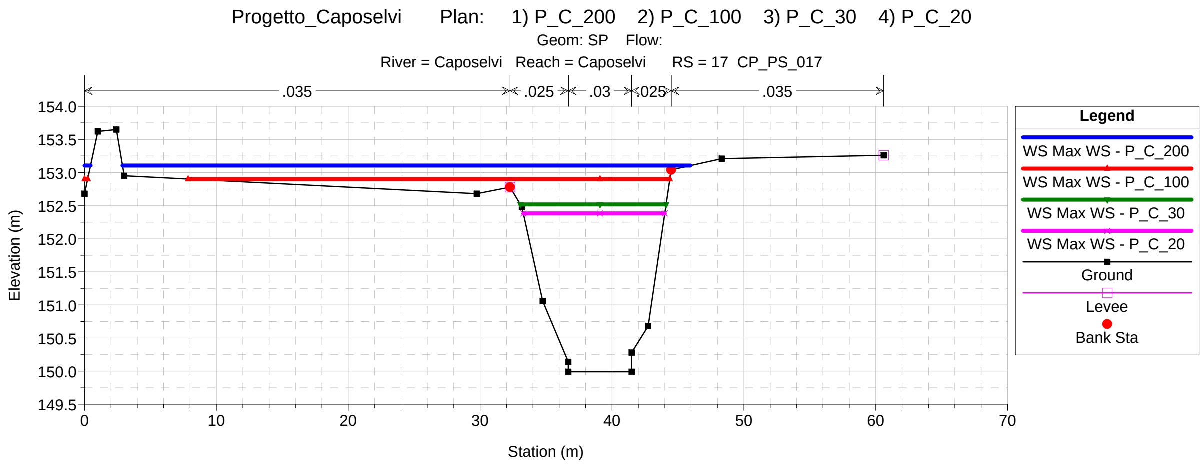
  tabella di output del software Hec-ras 4.0

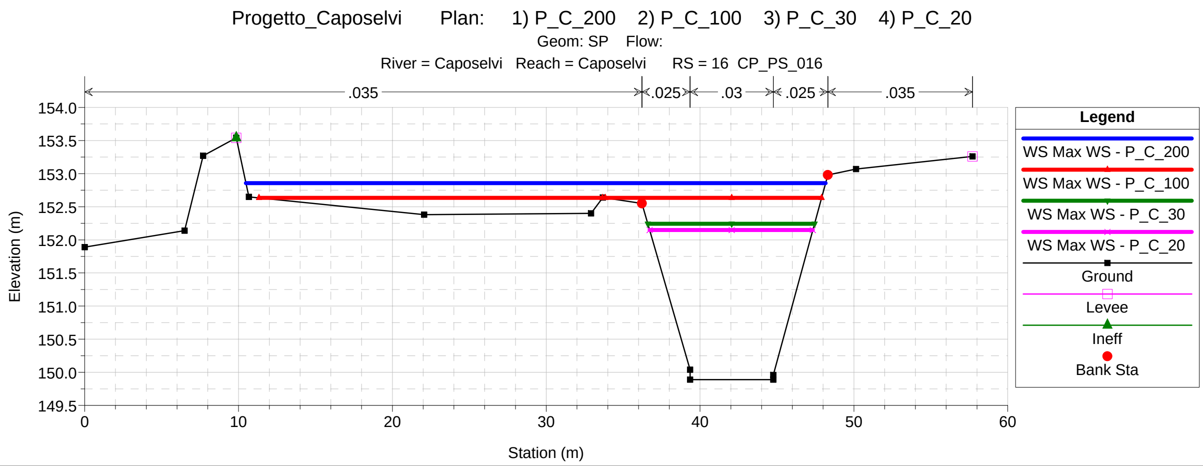


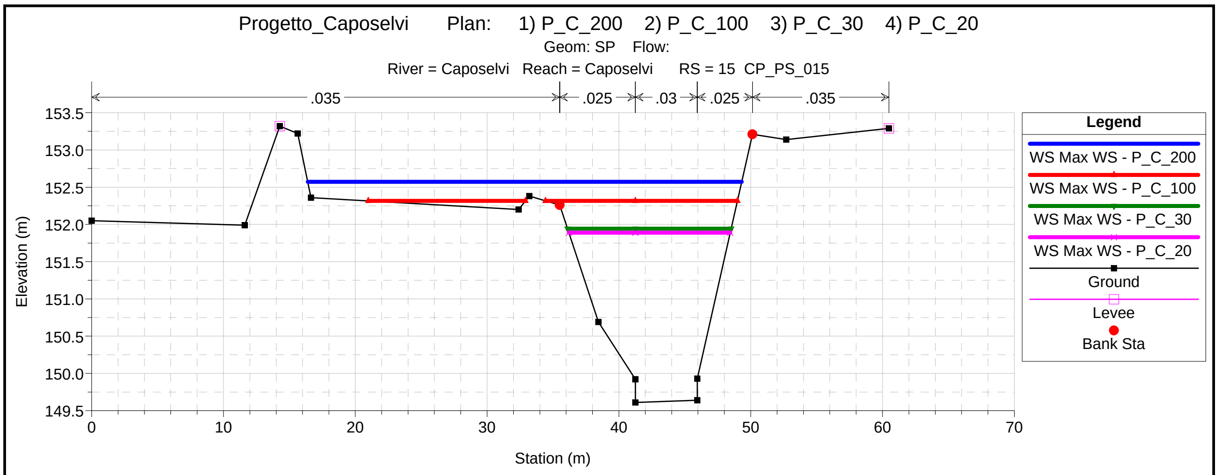
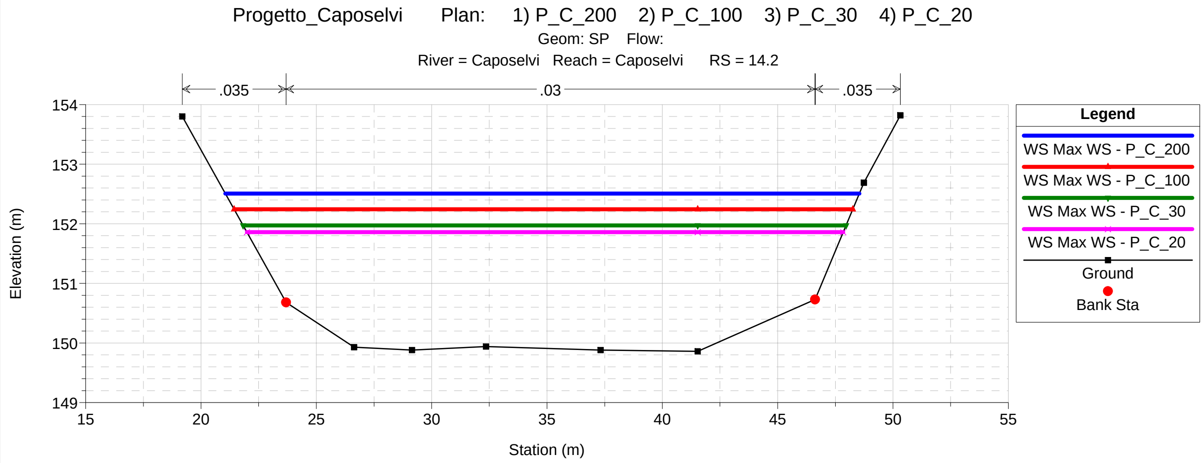
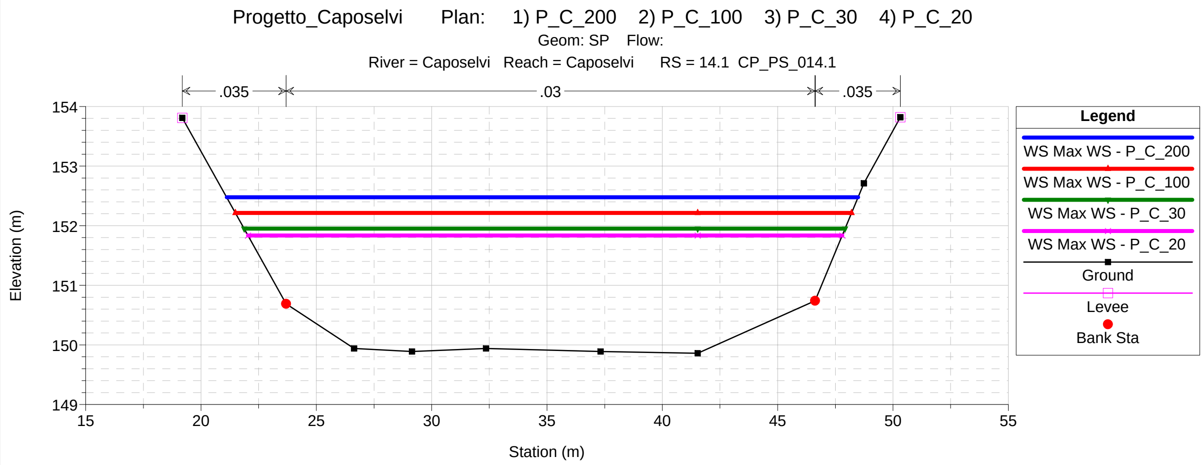
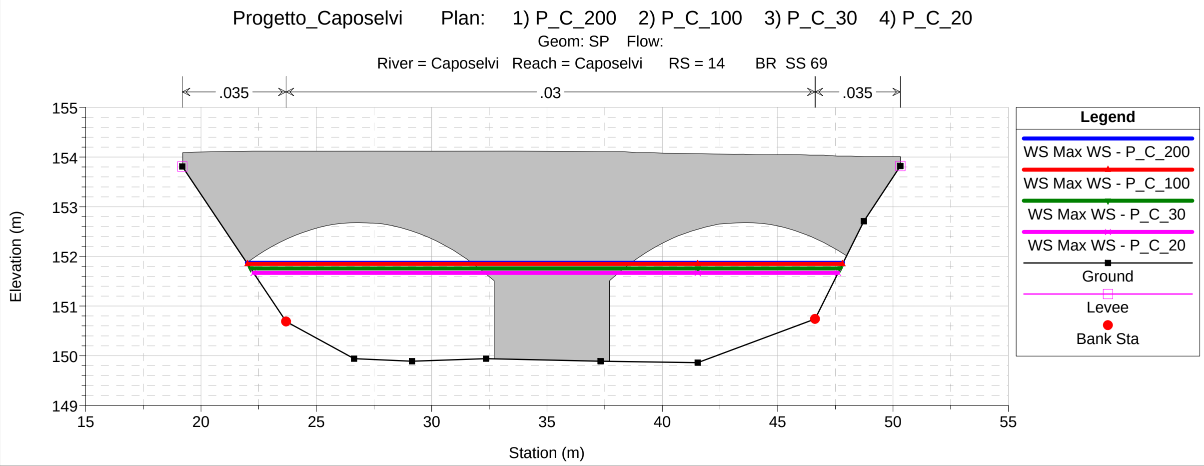
Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
Caposelvi Caposelvi
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
LOB
ROB
Elevation (m)
Main Channel Distance (m)
156
154
152
150
148
146
144
0
100
200
300
400
500
600
700
800
2
3
4
5
6
7
8
9
10
11
12
13
13.8
13.9
14.2
15
16
17
18
19

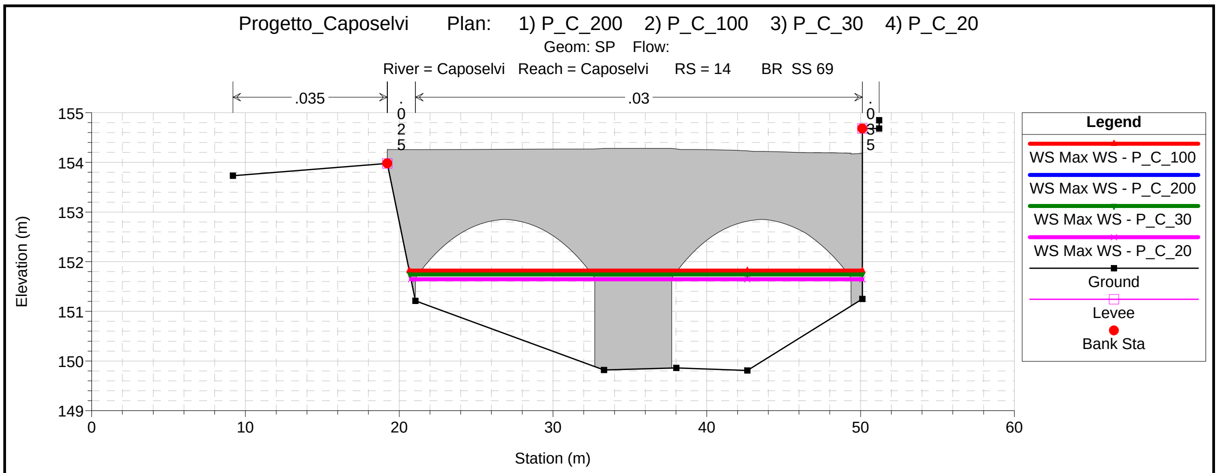

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 19 CP_PS_019
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

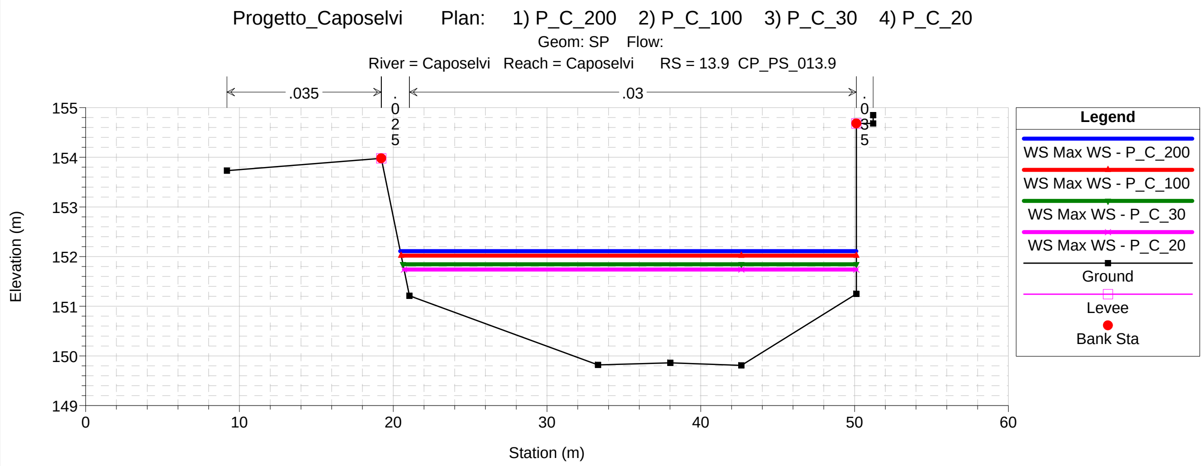

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 18 CP_PS_018
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

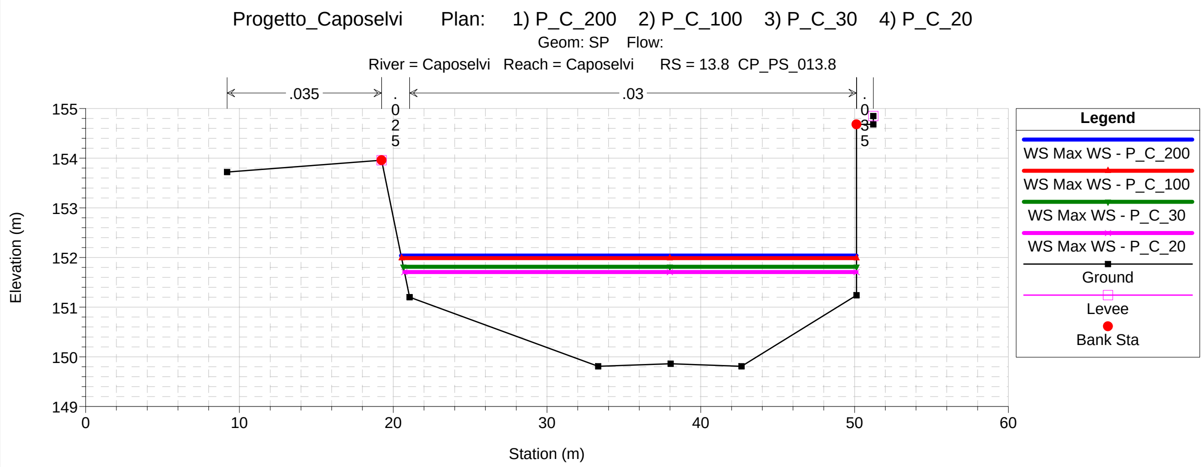

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 17 CP_PS_017
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

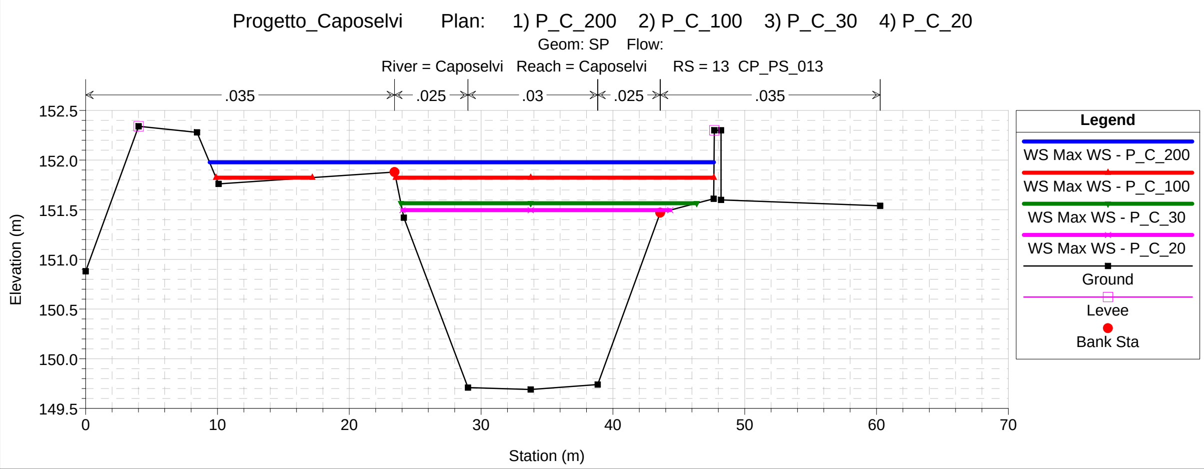

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 16 CP_PS_016
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Ineff
Bank Sta

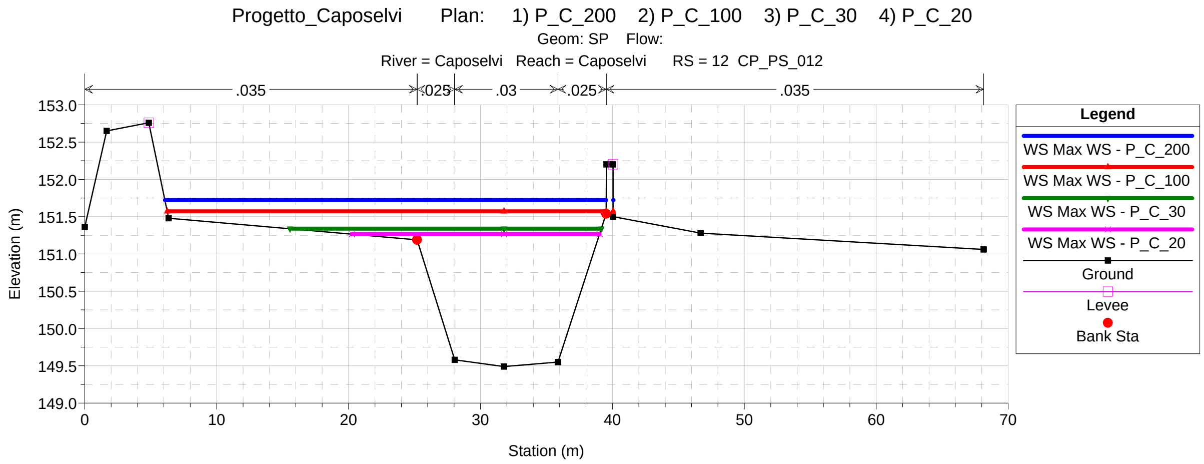

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 15 CP_PS_015
.035 .025 .03 .025 .035
Elevation (m)
153.5
153.0
152.5
152.0
151.5
151.0
150.5
150.0
149.5
0 10 20 30 40 50 60 70
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 14.2
.035 .03 .035
Elevation (m)
154
153
152
151
150
149
15 20 25 30 35 40 45 50 55
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Bank Sta

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 14.1 CP_PS_014.1
.035 .03 .035
Elevation (m)
154
153
152
151
150
149
15 20 25 30 35 40 45 50 55
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 14 BR SS 69
.035 .03 .035
Elevation (m)
155
154
153
152
151
150
149
15 20 25 30 35 40 45 50 55
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

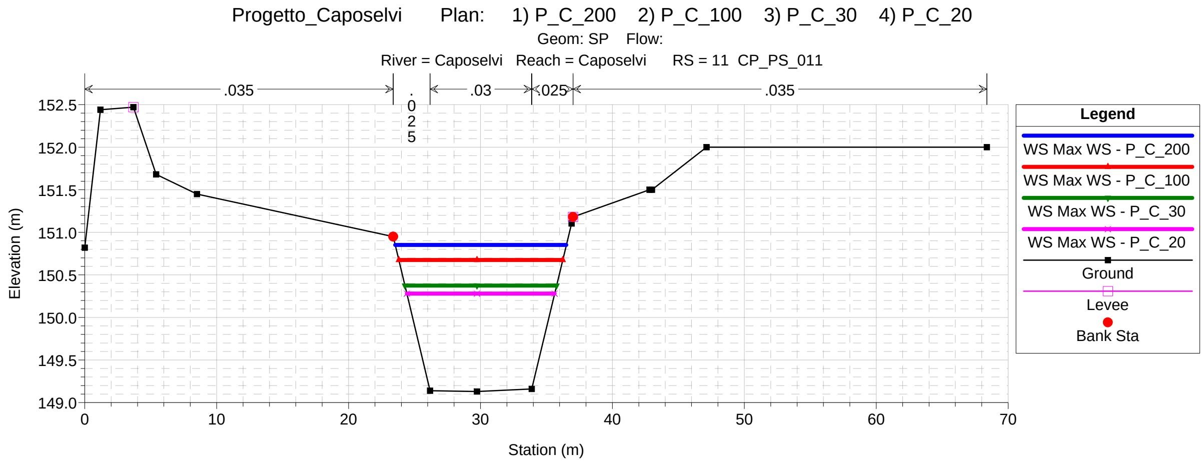

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 14 BR SS 69
.035
.025
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_100
WS Max WS - P_C_200
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

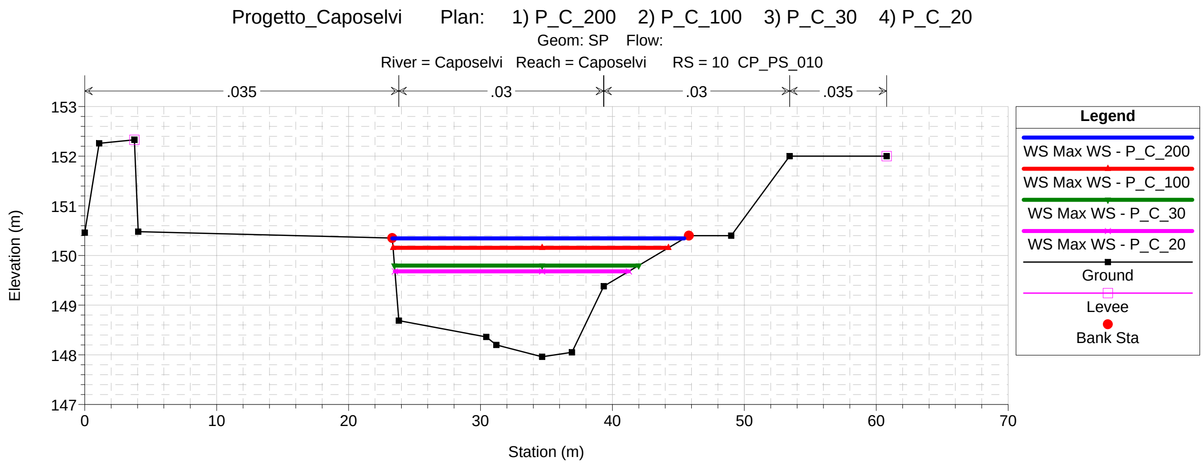

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 13.9 CP_PS_013.9
.035
.025
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

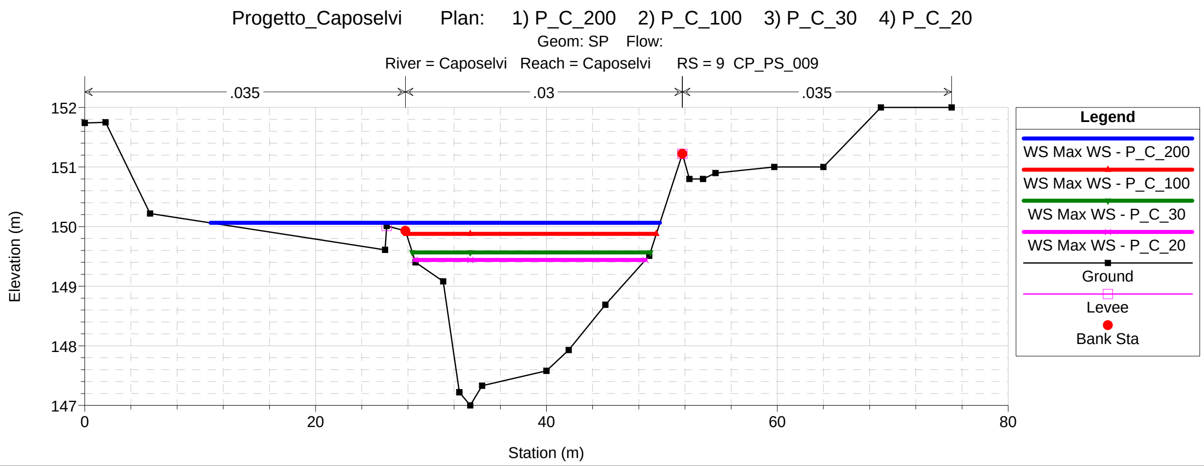

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 13.8 CP_PS_013.8
.035
.025
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

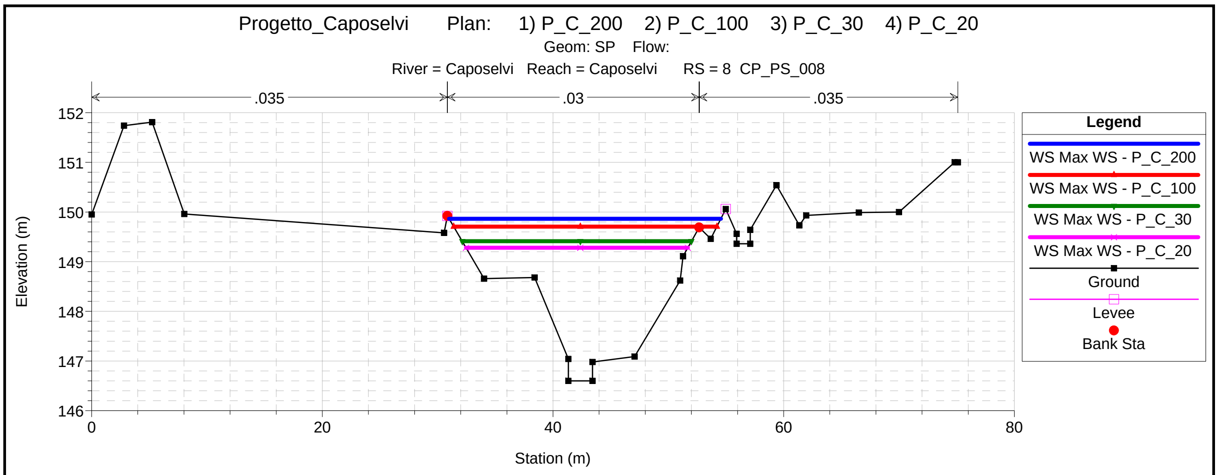

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 13 CP_PS_013
.035
.025
.03
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

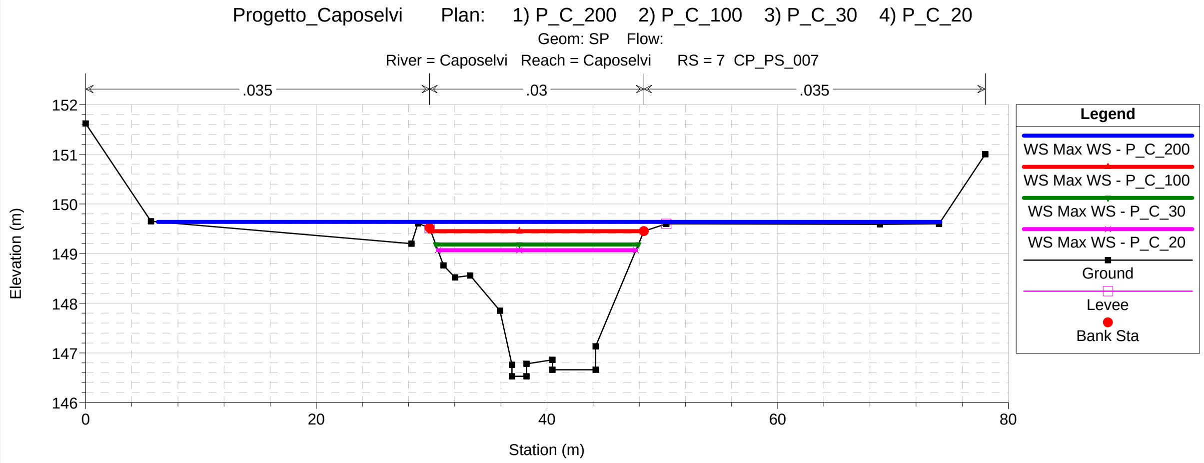

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 12 CP_PS_012
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

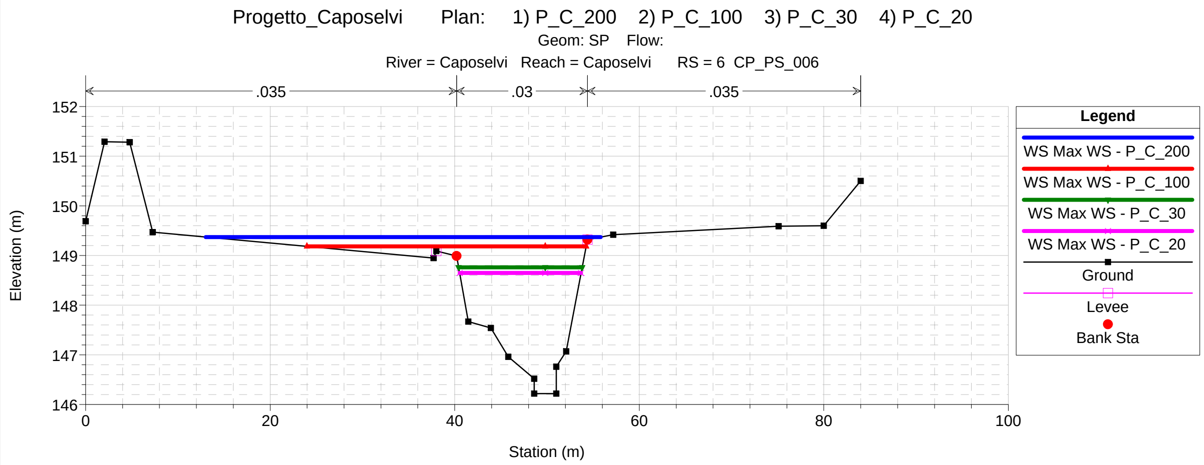

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 11 CP_PS_011
.035 .025 .03 .025 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

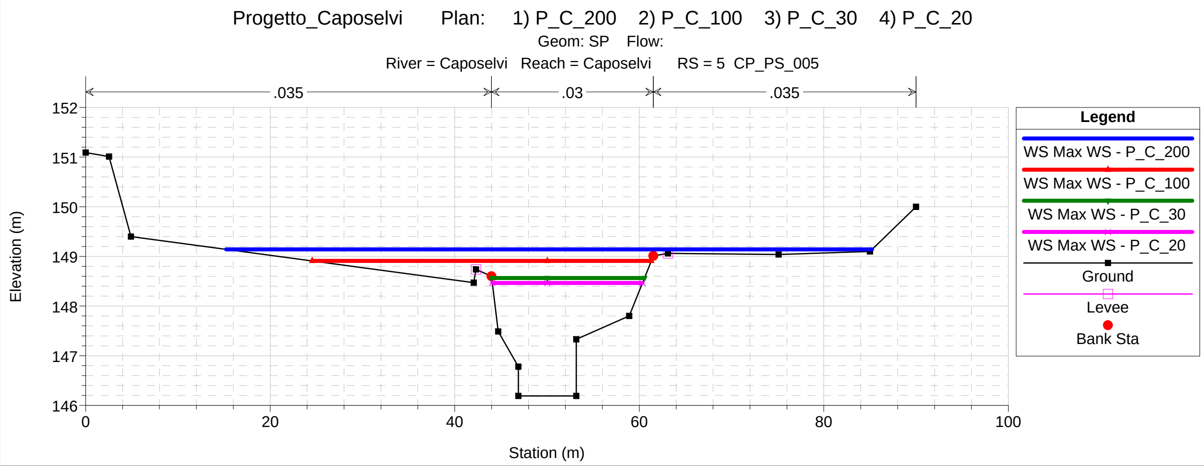

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 10 CP_PS_010
.035 .03 .03 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

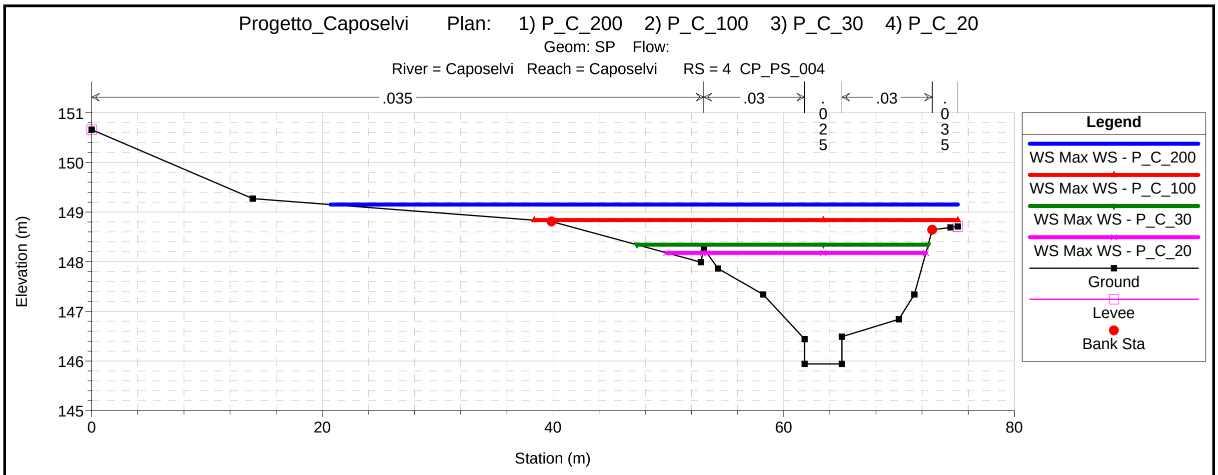

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 9 CP_PS_009
.035 .03 .035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

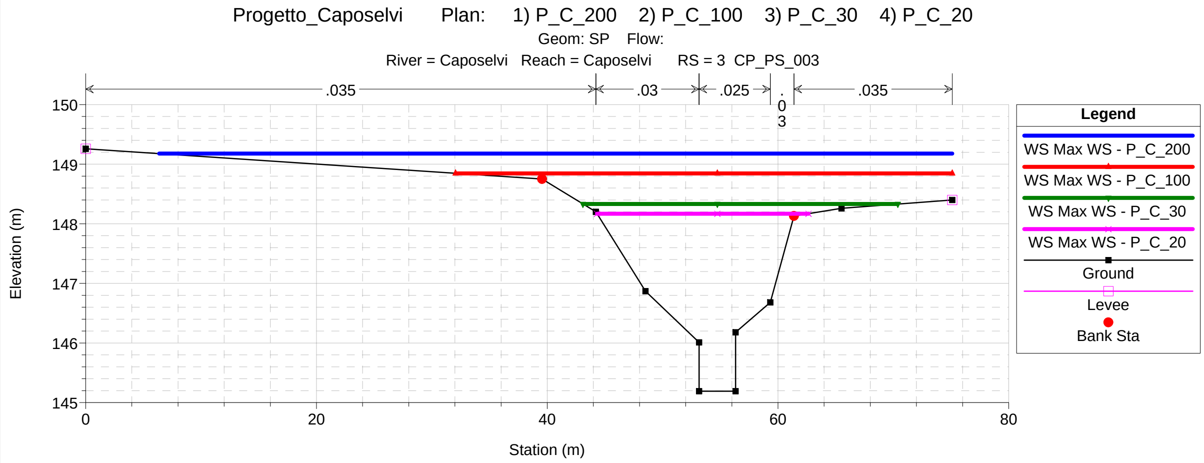

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 8 CP_PS_008
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

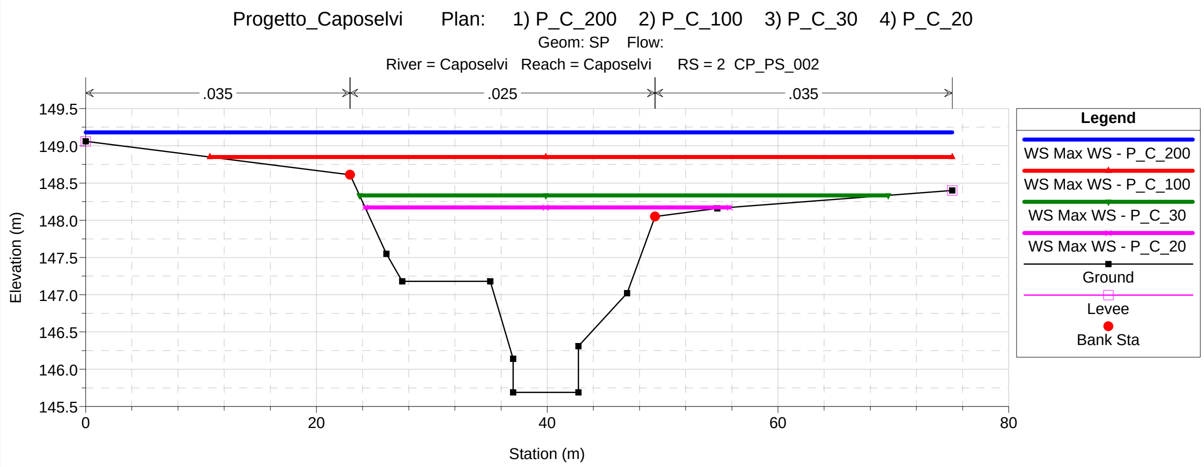

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 7 CP_PS_007
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

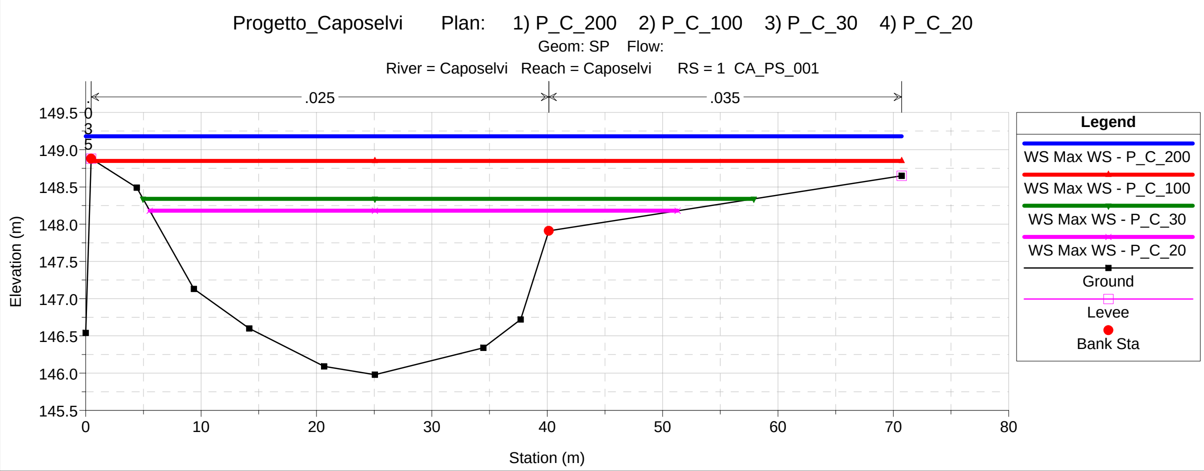

Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 6 CP_PS_006
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta


Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 5 CP_PS_005
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta


Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 4 CP_PS_004
.035
.03
.025
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta


Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 3 CP_PS_003
.035
.03
.025
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta


Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 2 CP_PS_002
.035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta


Progetto_Caposelvi Plan: 1) P_C_200 2) P_C_100 3) P_C_30 4) P_C_20
Geom: SP Flow:
River = Caposelvi Reach = Caposelvi RS = 1 CA_PS_001
035
.025
.035
Elevation (m)
Station (m)
Legend
WS Max WS - P_C_200
WS Max WS - P_C_100
WS Max WS - P_C_30
WS Max WS - P_C_20
Ground
Levee
Bank Sta

HEC-RAS River: Caposelvi Reach: Caposelvi Profile: Max WS

Reach	River Sta	Profile	Plan	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)	
Caposelvi	19	Max WS	P_C_200	130.29	150.56	153.65	154.01	154.67	0.006916	4.58	34.16	42.67	1.00
Caposelvi	19	Max WS	P_C_100	108.62	150.56	153.47	153.85	154.44	0.007025	4.38	26.54	36.44	1.00
Caposelvi	19	Max WS	P_C_30	77.73	150.56	153.08	153.00	153.85	0.006583	3.89	20.00	11.48	0.94
Caposelvi	19	Max WS	P_C_20	68.99	150.56	152.94	152.85	153.66	0.006549	3.75	18.39	11.06	0.93
Caposelvi	18	Max WS	P_C_200	130.28	150.08	153.38	153.52	154.20	0.006638	4.31	39.63	46.22	1.02
Caposelvi	18	Max WS	P_C_100	108.60	150.08	153.19	153.48	154.09	0.006649	4.35	31.20	41.96	1.01
Caposelvi	18	Max WS	P_C_30	77.72	150.08	152.80	153.05	153.68	0.007246	4.15	19.13	18.47	1.03
Caposelvi	18	Max WS	P_C_20	68.99	150.08	152.66	152.69	153.49	0.007265	4.03	17.12	10.73	1.02
Caposelvi	17	Max WS	P_C_200	130.27	149.99	153.10	153.26	154.02	0.005900	4.38	36.66	43.53	0.93
Caposelvi	17	Max WS	P_C_100	108.59	149.99	152.90	153.19	153.80	0.006141	4.23	28.21	36.78	0.93
Caposelvi	17	Max WS	P_C_30	77.71	149.99	152.52	152.32	153.23	0.005531	3.73	20.86	11.05	0.87
Caposelvi	17	Max WS	P_C_20	67.09	149.99	152.38	152.14	152.99	0.005057	3.46	19.39	10.73	0.82
Caposelvi	16	Max WS	P_C_200	130.26	149.89	152.86	153.14	153.82	0.006789	4.56	35.76	37.68	0.99
Caposelvi	16	Max WS	P_C_100	108.59	149.89	152.63	152.97	153.65	0.007497	4.53	27.45	36.41	1.03
Caposelvi	16	Max WS	P_C_30	77.71	149.89	152.24	152.24	153.11	0.007493	4.13	18.82	10.84	1.00
Caposelvi	16	Max WS	P_C_20	66.97	149.89	152.15	152.05	152.87	0.006511	3.76	17.80	10.61	0.93
Caposelvi	15	Max WS	P_C_200	130.25	149.61	152.57	152.83	153.55	0.006730	4.48	33.29	32.92	1.01
Caposelvi	15	Max WS	P_C_100	108.59	149.61	152.32	152.63	153.32	0.007674	4.44	25.10	26.48	1.05
Caposelvi	15	Max WS	P_C_30	77.70	149.61	151.94	151.96	152.75	0.007443	3.98	19.54	12.41	1.01
Caposelvi	15	Max WS	P_C_20	66.72	149.61	151.89	151.78	152.53	0.006062	3.54	18.87	12.24	0.91
Caposelvi	14.2	Max WS	P_C_200	130.24	149.86	152.51	151.53	152.76	0.001367	2.24	60.72	27.49	0.46
Caposelvi	14.2	Max WS	P_C_100	108.59	149.86	152.24	151.36	152.46	0.001398	2.10	53.58	26.82	0.45
Caposelvi	14.2	Max WS	P_C_30	77.70	149.86	151.97	151.09	152.12	0.001120	1.72	46.41	26.14	0.40
Caposelvi	14.2	Max WS	P_C_20	68.98	149.86	151.86	151.01	151.99	0.001086	1.63	43.44	25.85	0.39
Caposelvi	14.1	Max WS	P_C_200	130.24	149.86	152.48	151.54	152.73	0.001439	2.28	59.69	27.38	0.47
Caposelvi	14.1	Max WS	P_C_100	108.59	149.86	152.21	151.37	152.44	0.001482	2.14	52.57	26.71	0.46
Caposelvi	14.1	Max WS	P_C_30	77.69	149.86	151.95	151.10	152.10	0.001181	1.75	45.62	26.05	0.41
Caposelvi	14.1	Max WS	P_C_20	68.97	149.86	151.84	151.02	151.97	0.001146	1.66	42.69	25.76	0.40
Caposelvi	14			Bridge									

HEC-RAS River: Caposelvi Reach: Caposelvi Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caposelvi	13.9	Max WS	P_C_200	130.24	149.81	152.11	151.57	152.42	0.002686	2.47	52.81	29.66	0.59
Caposelvi	13.9	Max WS	P_C_100	94.24	149.81	152.02	151.32	152.20	0.001657	1.88	50.17	29.61	0.46
Caposelvi	13.9	Max WS	P_C_30	77.69	149.81	151.84	151.20	152.00	0.001598	1.73	44.97	29.49	0.45
Caposelvi	13.9	Max WS	P_C_20	68.97	149.81	151.74	151.11	151.88	0.001587	1.65	41.85	29.42	0.44
Caposelvi	13.8	Max WS	P_C_200	130.24	149.81	152.04	151.57	152.37	0.003016	2.56	50.93	29.62	0.62
Caposelvi	13.8	Max WS	P_C_100	94.18	149.81	151.99	151.32	152.17	0.001744	1.91	49.35	29.59	0.47
Caposelvi	13.8	Max WS	P_C_30	77.69	149.81	151.81	151.19	151.97	0.001688	1.76	44.21	29.47	0.46
Caposelvi	13.8	Max WS	P_C_20	68.97	149.81	151.71	151.11	151.85	0.001682	1.68	41.10	29.40	0.45
Caposelvi	13	Max WS	P_C_200	130.23	149.69	151.98	151.93	152.60	0.004558	3.54	39.90	38.27	0.85
Caposelvi	13	Max WS	P_C_100	108.59	149.69	151.82	151.65	152.37	0.004380	3.28	34.25	31.45	0.82
Caposelvi	13	Max WS	P_C_30	77.69	149.69	151.57	151.30	151.97	0.003909	2.80	27.87	22.44	0.75
Caposelvi	13	Max WS	P_C_20	59.01	149.69	151.50	151.06	151.75	0.002649	2.24	26.39	20.33	0.62
Caposelvi	12	Max WS	P_C_200	130.23	149.49	151.72	152.03	152.79	0.008755	4.74	32.61	33.46	1.14
Caposelvi	12	Max WS	P_C_100	108.59	149.49	151.57	151.87	152.56	0.008887	4.50	27.56	33.28	1.13
Caposelvi	12	Max WS	P_C_30	77.69	149.49	151.34	151.57	152.11	0.007942	3.90	20.54	23.60	1.05
Caposelvi	12	Max WS	P_C_20	68.97	149.49	151.27	151.32	151.95	0.007405	3.66	19.01	18.77	1.00
Caposelvi	11	Max WS	P_C_200	130.22	149.13	150.85	151.18	153.62	0.030773	7.37	17.66	12.98	2.02
Caposelvi	11	Max WS	P_C_100	108.58	149.13	150.67	151.18	153.20	0.031894	7.04	15.42	12.43	2.02
Caposelvi	11	Max WS	P_C_30	77.69	149.13	150.37	151.07	152.57	0.035829	6.57	11.83	11.50	2.07
Caposelvi	11	Max WS	P_C_20	68.96	149.13	150.28	150.92	152.38	0.037565	6.41	10.75	11.20	2.09
Caposelvi	10	Max WS	P_C_200	130.22	147.96	150.34	150.33	151.09	0.008366	3.82	34.07	22.14	0.98
Caposelvi	10	Max WS	P_C_100	108.58	147.96	150.16	150.11	150.82	0.008184	3.62	30.00	20.88	0.96
Caposelvi	10	Max WS	P_C_30	77.69	147.96	149.80	149.77	150.38	0.008599	3.38	22.96	18.51	0.97
Caposelvi	10	Max WS	P_C_20	68.96	147.96	149.68	149.66	150.24	0.008801	3.31	20.84	17.74	0.97
Caposelvi	9	Max WS	P_C_200	130.21	147.00	150.06	149.79	150.59	0.004836	3.25	42.85	38.93	0.78
Caposelvi	9	Max WS	P_C_100	103.16	147.00	149.88	149.55	150.32	0.004413	2.93	35.21	21.66	0.73
Caposelvi	9	Max WS	P_C_30	77.69	147.00	149.57	149.24	149.94	0.004641	2.71	28.63	20.62	0.74
Caposelvi	9	Max WS	P_C_20	68.96	147.00	149.44	149.10	149.80	0.004794	2.65	26.07	20.01	0.74
Caposelvi	8	Max WS	P_C_200	130.21	146.60	149.86	149.59	150.43	0.005217	3.34	39.39	23.57	0.79
Caposelvi	8	Max WS	P_C_100	103.04	146.60	149.71	149.32	150.13	0.004344	2.90	35.72	22.83	0.72

HEC-RAS River: Caposelvi Reach: Caposelvi Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caposelvi	8	Max WS	P_C_30	77.69	146.60	149.41	149.04	149.77	0.004226	2.64	29.44	19.87	0.69
Caposelvi	8	Max WS	P_C_20	68.95	146.60	149.28	148.94	149.62	0.004307	2.56	26.90	19.23	0.69
Caposelvi	7	Max WS	P_C_200	130.07	146.53	149.64	149.39	150.24	0.005311	3.48	42.49	67.85	0.80
Caposelvi	7	Max WS	P_C_100	108.51	146.53	149.45	149.16	150.01	0.005474	3.31	32.74	18.47	0.79
Caposelvi	7	Max WS	P_C_30	77.69	146.53	149.18	148.81	149.58	0.004448	2.78	27.93	17.56	0.70
Caposelvi	7	Max WS	P_C_20	68.94	146.53	149.07	148.69	149.43	0.004357	2.66	25.92	17.17	0.69
Caposelvi	6	Max WS	P_C_200	129.84	146.22	149.37	149.32	150.22	0.007135	4.16	36.01	42.82	0.91
Caposelvi	6	Max WS	P_C_100	108.37	146.22	149.18	149.29	149.96	0.007094	3.93	29.26	30.26	0.90
Caposelvi	6	Max WS	P_C_30	77.68	146.22	148.76	148.66	149.43	0.007689	3.62	21.45	13.39	0.91
Caposelvi	6	Max WS	P_C_20	68.92	146.22	148.65	148.53	149.26	0.007467	3.45	19.98	13.17	0.89
Caposelvi	5	Max WS	P_C_200	38.30	146.19	149.14	147.80	149.19	0.000450	1.01	46.62	70.01	0.23
Caposelvi	5	Max WS	P_C_100	107.76	146.19	148.91	148.85	149.48	0.005937	3.41	34.92	36.76	0.82
Caposelvi	5	Max WS	P_C_30	77.68	146.19	148.56	148.36	149.07	0.006281	3.13	24.78	16.56	0.82
Caposelvi	5	Max WS	P_C_20	68.92	146.19	148.47	148.24	148.92	0.006032	2.97	23.17	16.29	0.80
Caposelvi	4.8			Lat Struct									
Caposelvi	4	Max WS	P_C_200	37.08	145.94	149.15	147.55	149.17	0.000271	0.69	57.01	54.38	0.17
Caposelvi	4	Max WS	P_C_100	24.73	145.94	148.84	147.30	148.85	0.000259	0.58	42.74	36.72	0.16
Caposelvi	4	Max WS	P_C_30	20.65	145.94	148.34	147.20	148.37	0.000494	0.74	27.77	25.23	0.23
Caposelvi	4	Max WS	P_C_20	20.86	145.94	148.18	147.21	148.22	0.000676	0.87	23.93	22.17	0.27
Caposelvi	3	Max WS	P_C_200	17.26	145.19	149.18	146.68	149.18	0.000035	0.31	66.88	68.74	0.07
Caposelvi	3	Max WS	P_C_100	18.15	145.19	148.85	146.71	148.86	0.000078	0.42	48.37	43.04	0.10
Caposelvi	3	Max WS	P_C_30	20.64	145.19	148.33	146.78	148.36	0.000239	0.69	30.59	27.29	0.17
Caposelvi	3	Max WS	P_C_20	20.84	145.19	148.17	146.79	148.20	0.000306	0.77	27.03	18.34	0.20
Caposelvi	2	Max WS	P_C_200	17.18	145.69	149.18	146.70	149.18	0.000013	0.24	92.52	75.10	0.05
Caposelvi	2	Max WS	P_C_100	18.14	145.69	148.85	146.74	148.85	0.000028	0.32	68.83	64.33	0.07
Caposelvi	2	Max WS	P_C_30	20.63	145.69	148.33	146.82	148.35	0.000114	0.53	40.85	45.82	0.14
Caposelvi	2	Max WS	P_C_20	20.83	145.69	148.17	146.82	148.19	0.000168	0.61	34.59	31.63	0.17
Caposelvi	1	Max WS	P_C_200	17.09	145.98	149.18	146.61	149.18	0.000005	0.16	121.82	70.72	0.03
Caposelvi	1	Max WS	P_C_100	18.13	145.98	148.85	146.63	148.85	0.000011	0.21	97.94	69.95	0.05

HEC-RAS River: Caposelvi Reach: Caposelvi Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	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)	
Caposelvi	1	Max WS	P_C_30	20.62	145.98	148.34	146.67	148.35	0.000033	0.33	65.50	52.94	0.08
Caposelvi	1	Max WS	P_C_20	20.80	145.98	148.18	146.67	148.19	0.000046	0.37	57.61	45.75	0.09