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.251del 29.10.2009
rapporto ambientale - relazione di sintesi non tecnica Del.C.C. n..... del .....
adozione Del.C.C. n..... del .....

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

RELAZIONE IDRAULICA - ALLEGATO 2 - VOLUME I

PIANO STRUTTURALE

dicembre 2009

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 - ALLEGATO 2 - VOLUME I

PIANO STRUTTURALE

dicembre 2009

verifiche idrauliche stato attuale

volume I

borro del Quercio
borro dello Spedaluzzo
borro del Giglio

volume II

borro della Sabina
borro del Caspri
borro della Dogana
borro dell'Ornaccio

volume III

borro del Valdilago
torrente Caposelvi (loc. Mercatale)
torrente Caposelvi
torrente Ambra

verifiche idrauliche stato attuale - volume I

- borro del Quercio
- borro dello Spedaluzzo
- borro del Giglio

borro del Quercio

verifiche con Tpioggia critico per il Borro del Quercio

- 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

verifiche con Tpioggia critico per il Fiume Arno

- moto vario

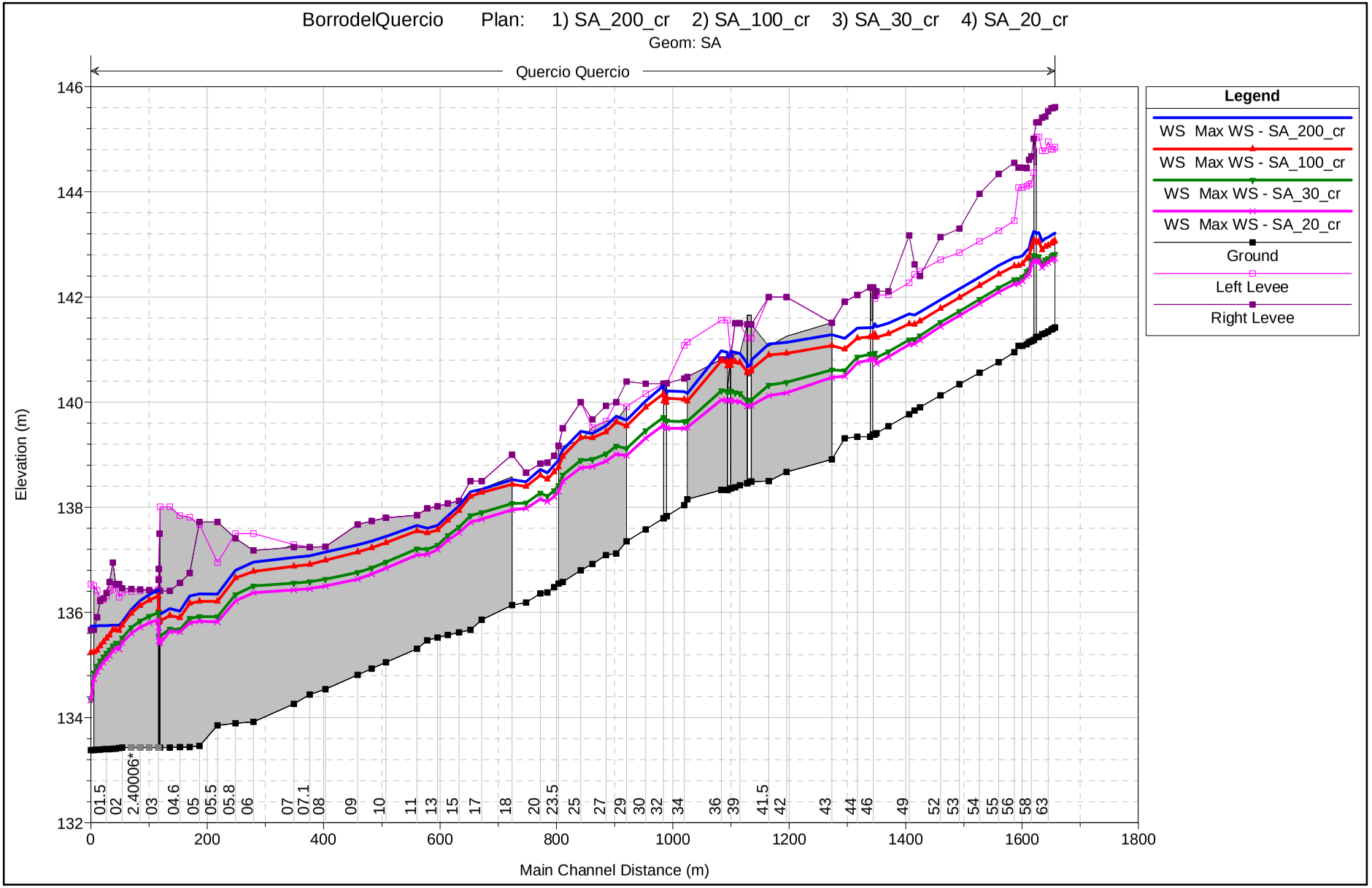
  Tr=200, 100, 30 e 20 anni

  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


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
Quercio Quercio
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Left Levee
Right Levee
Elevation (m)
Main Channel Distance (m)
146
144
142
140
138
136
134
132
0
200
400
600
800
1000
1200
1400
1600
1800
01.5
02
2.40006*
03
04.6
05
05.5
05.8
06
07
07.1
08
09
10
11
13
15
17
18
20
23.5
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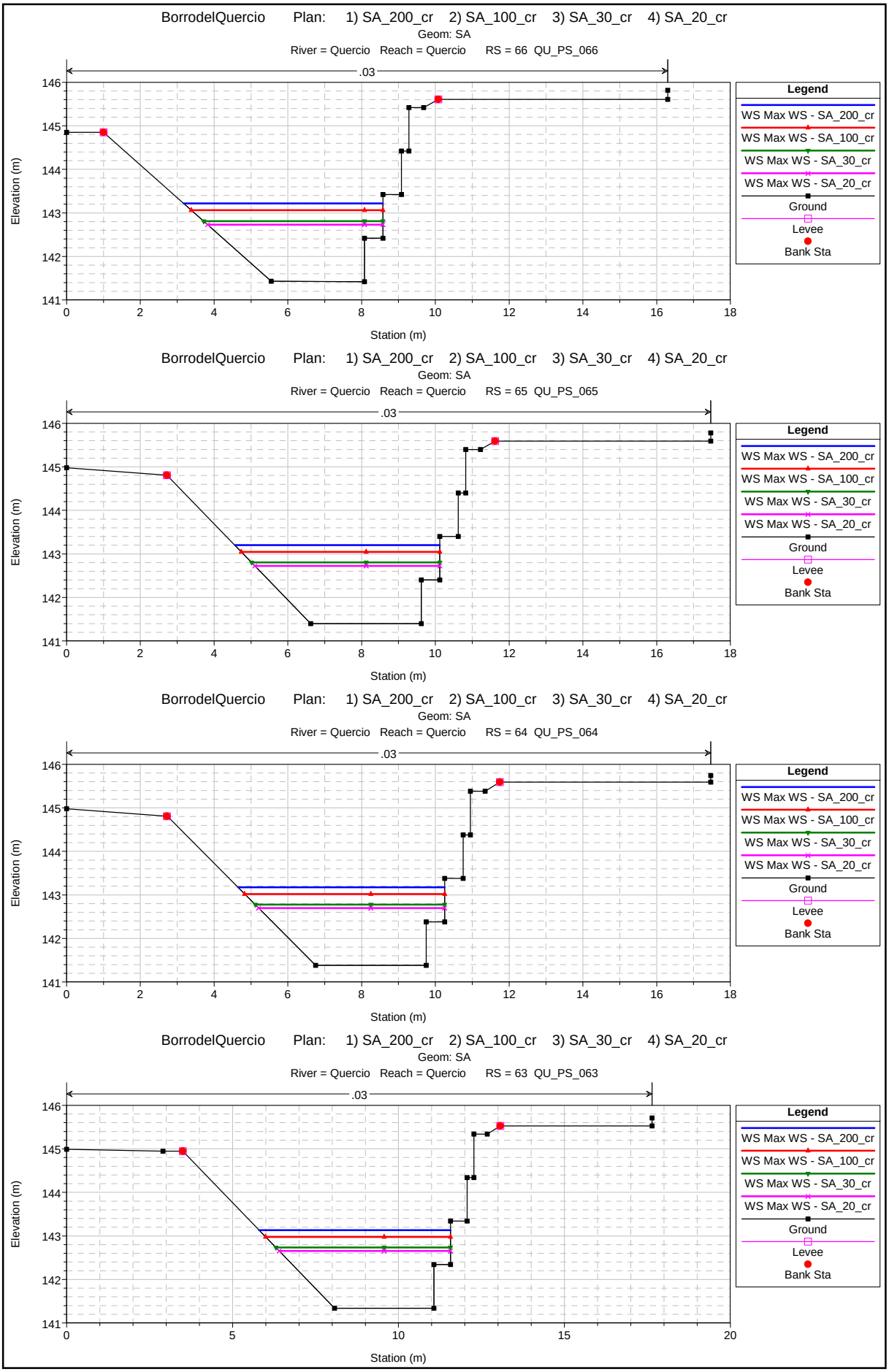
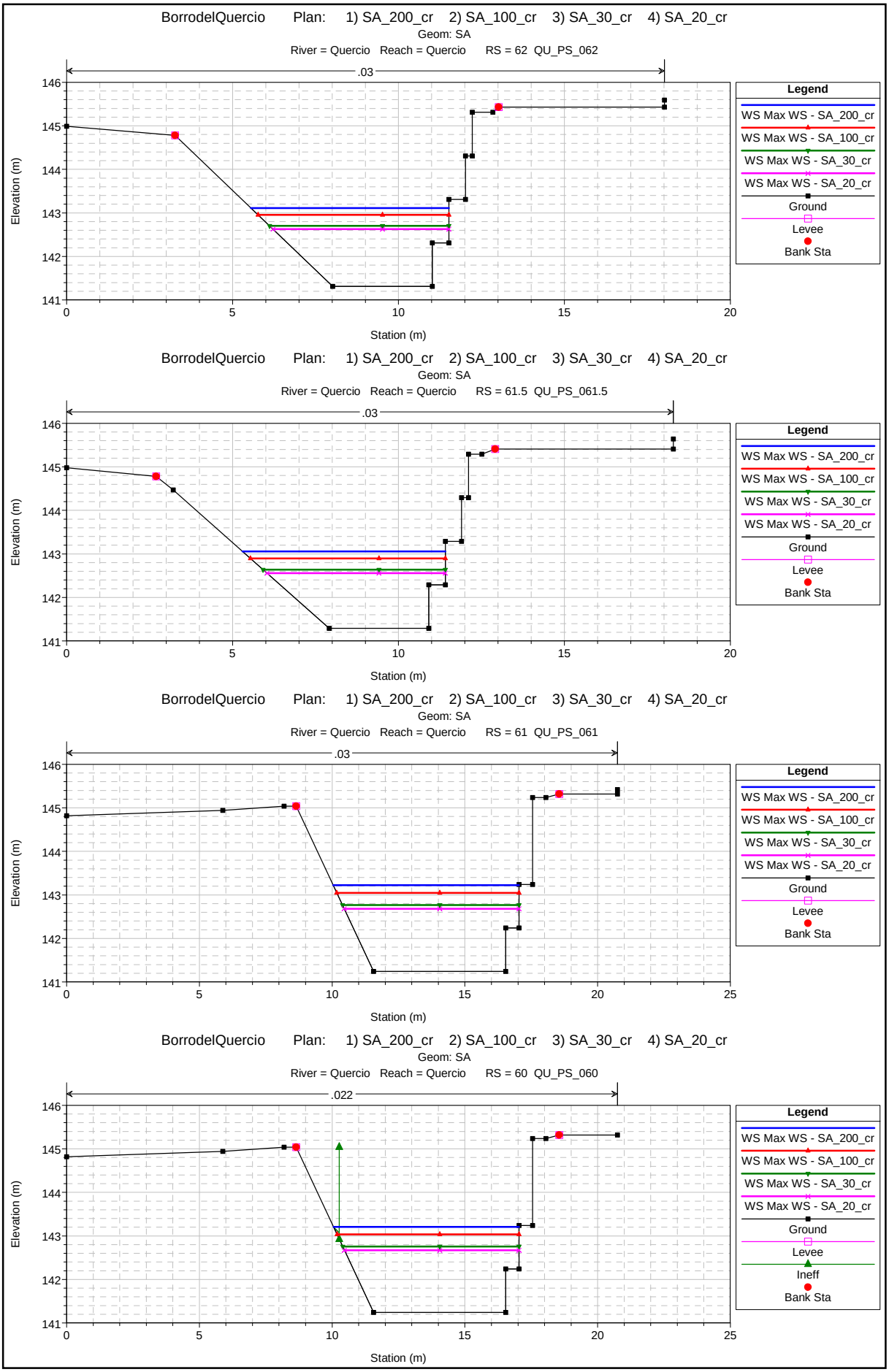
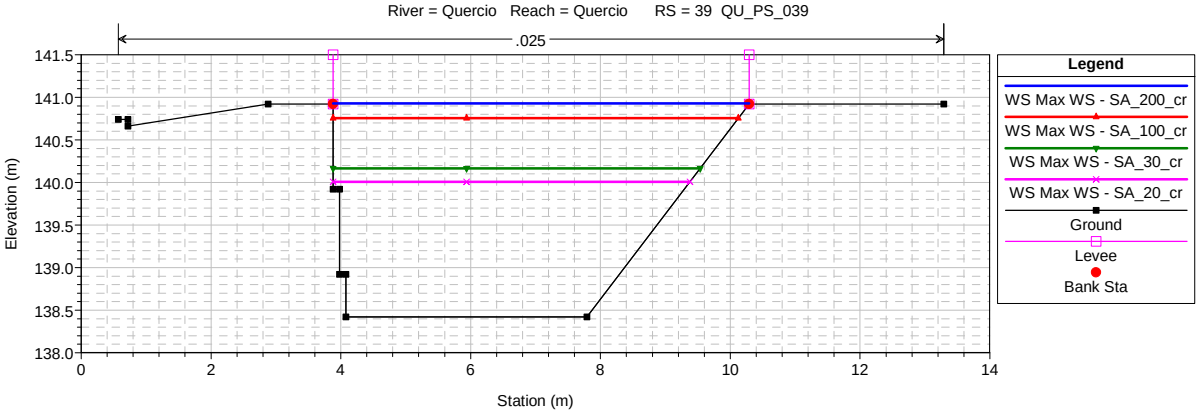

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 66 QU_PS_066
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 65 QU_PS_065
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 64 QU_PS_064
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 63 QU_PS_063
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 62 QU_PS_062
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 61.5 QU_PS_061.5
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 61 QU_PS_061
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 60 QU_PS_060
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

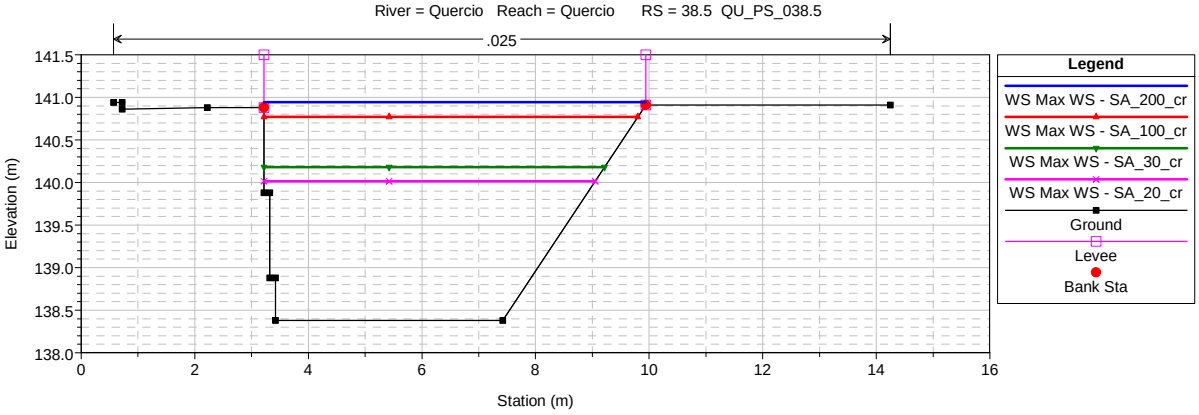
River = Quercio Reach = Quercio RS = 39 QU_PS_039



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

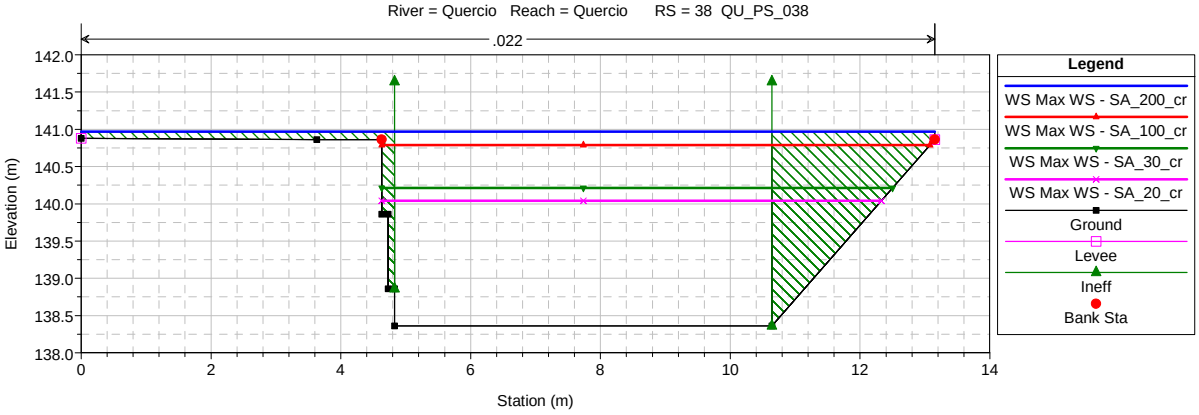
River = Quercio Reach = Quercio RS = 38.5 QU_PS_038.5



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

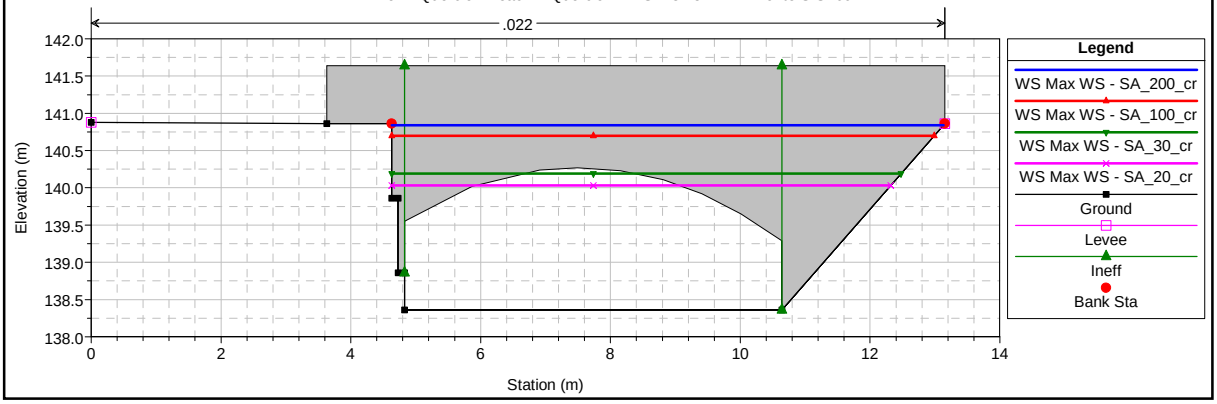
River = Quercio Reach = Quercio RS = 38 QU_PS_038



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

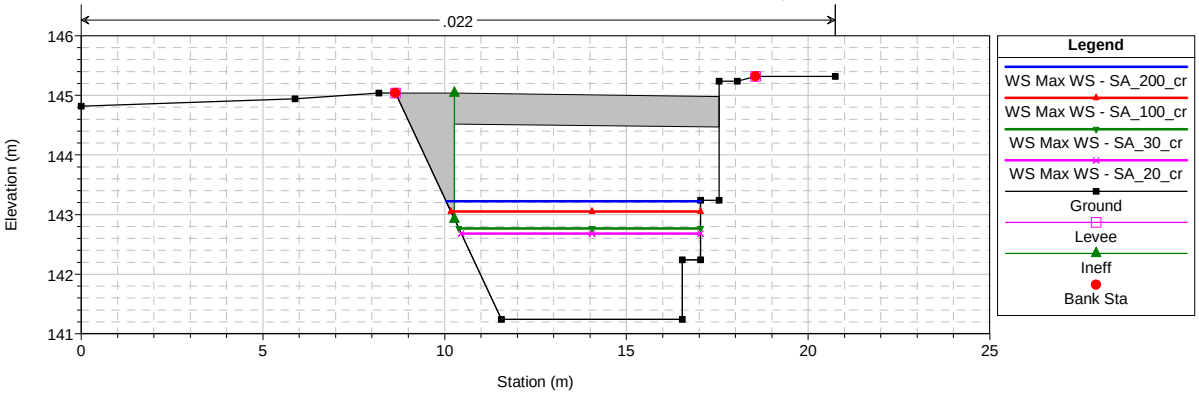
River = Quercio Reach = Quercio RS = 37.5 BR Ponte S.S. 69



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

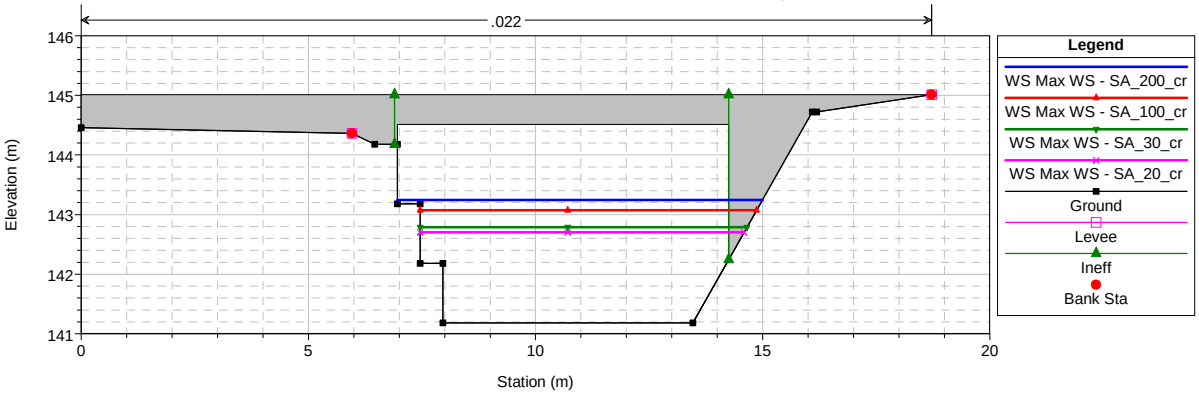
River = Quercio Reach = Quercio RS = 59.5 BR Ponte decompressore metano



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

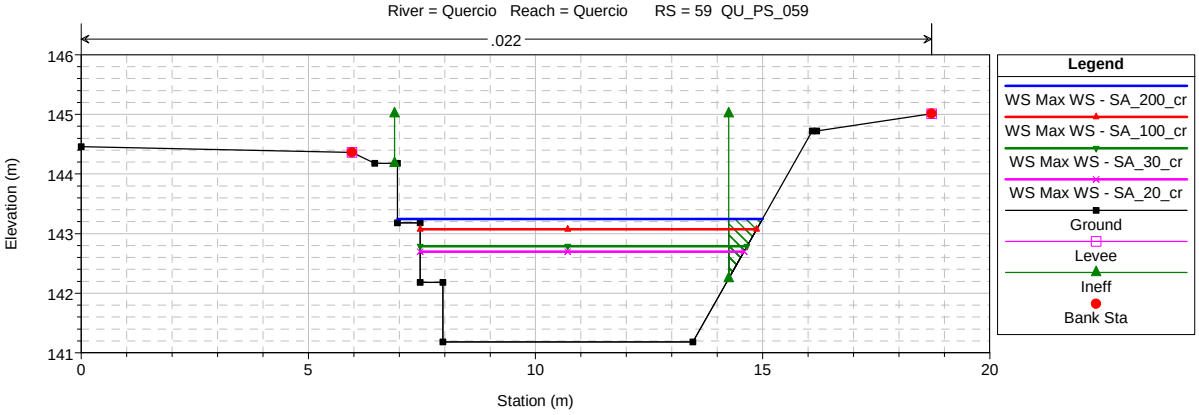
River = Quercio Reach = Quercio RS = 59.5 BR Ponte decompressore metano



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

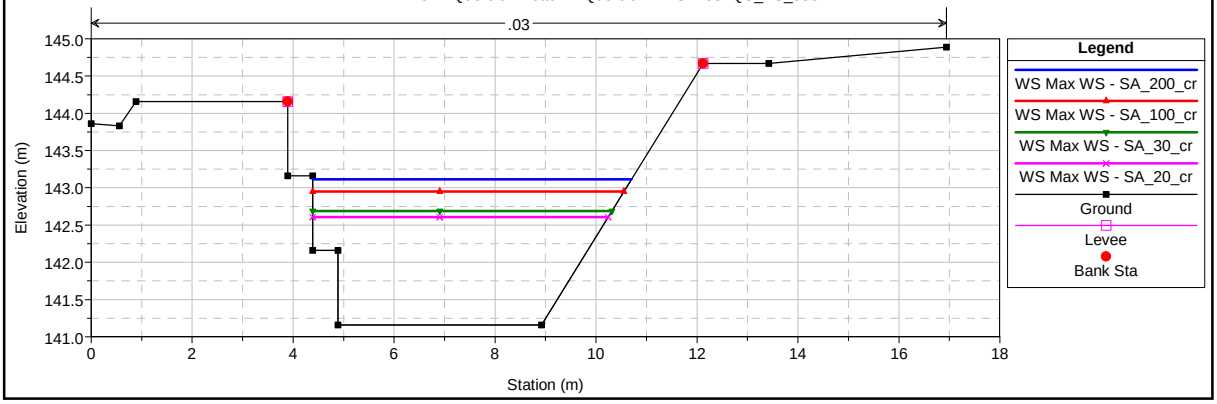
River = Quercio Reach = Quercio RS = 59 QU_PS_059

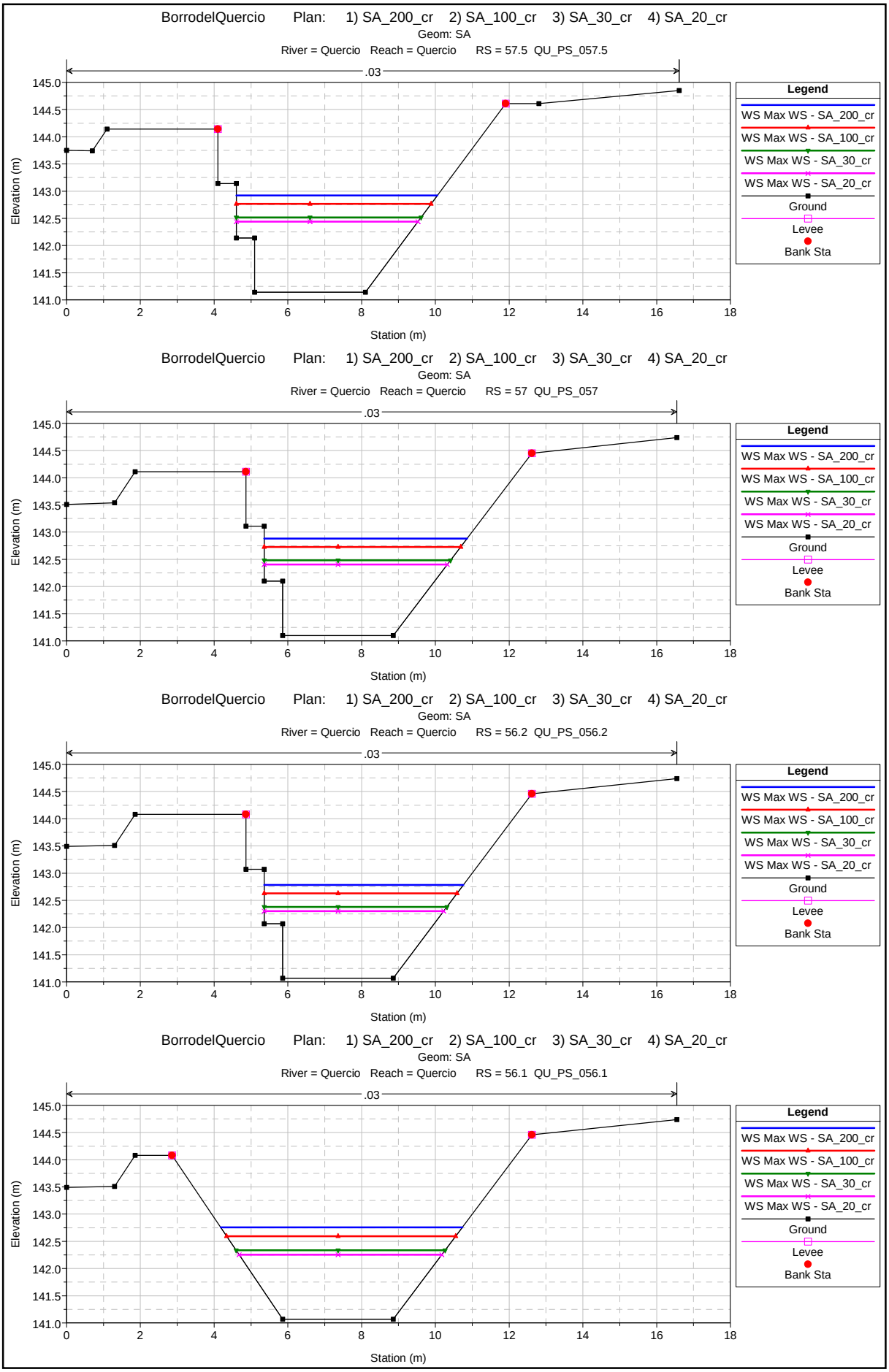


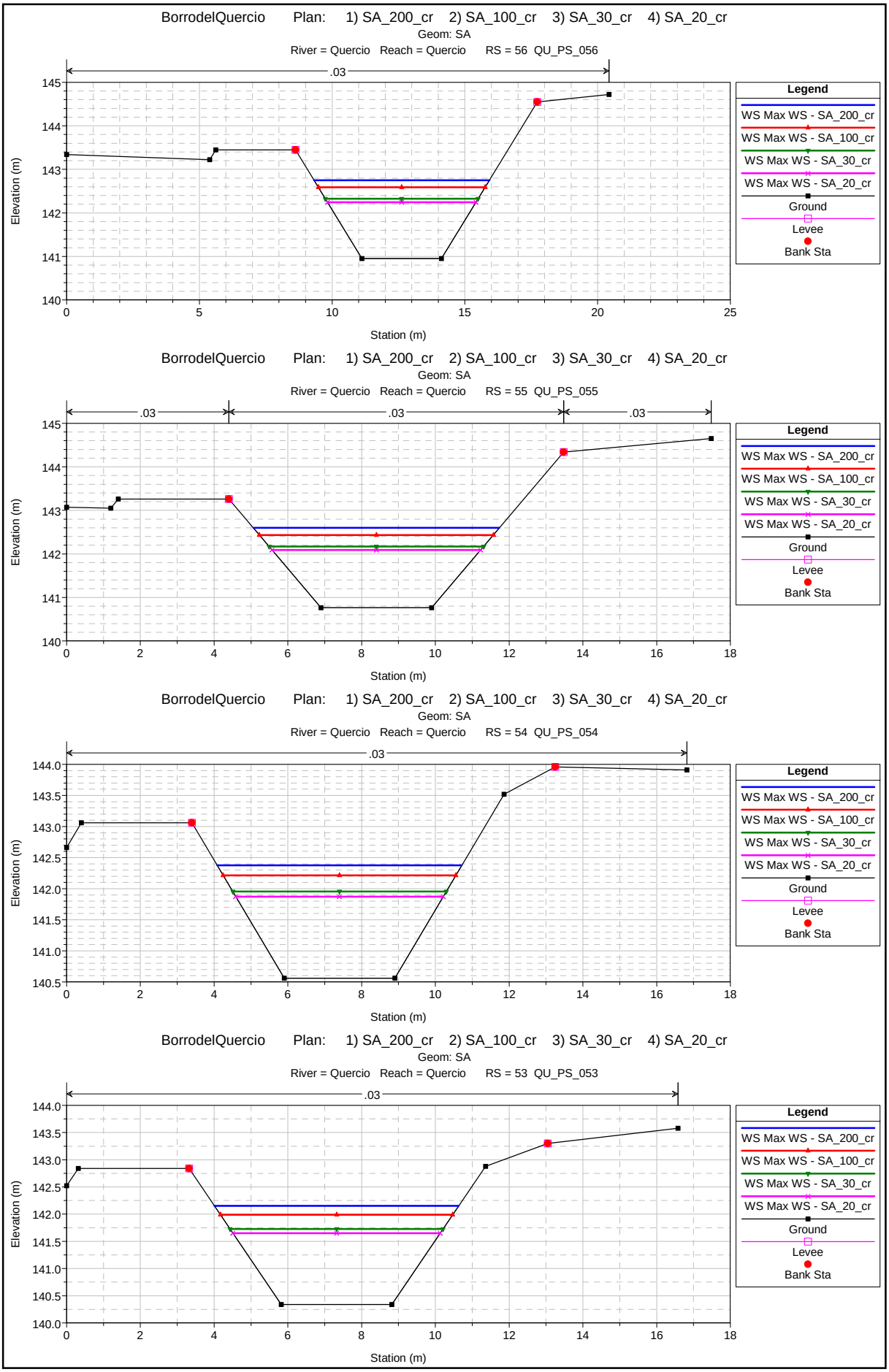
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

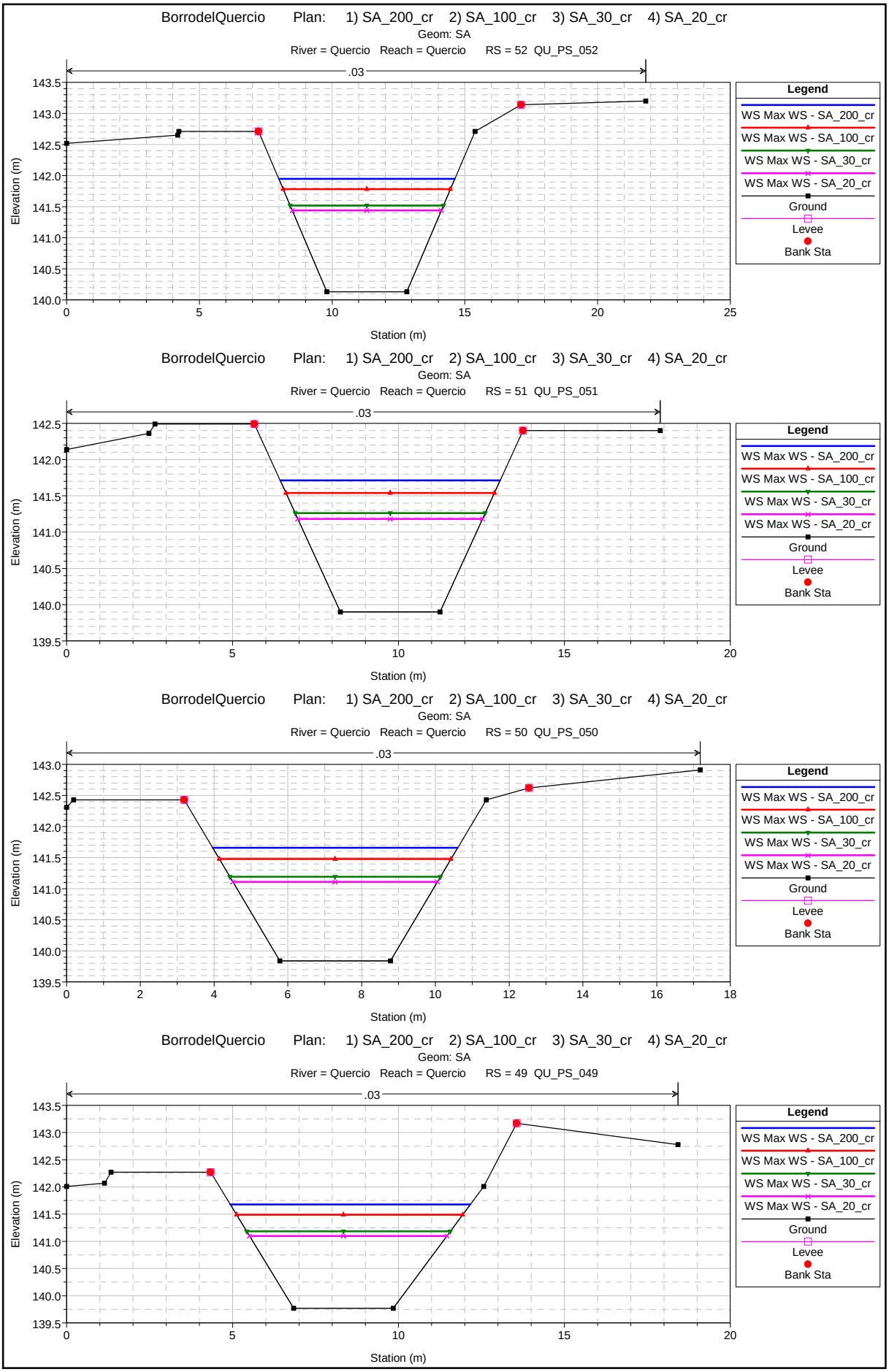
Geom: SA

River = Quercio Reach = Quercio RS = 58 QU_PS_058




BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 57.5 QU_PS_057.5
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 57 QU_PS_057
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 56.2 QU_PS_056.2
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 56.1 QU_PS_056.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

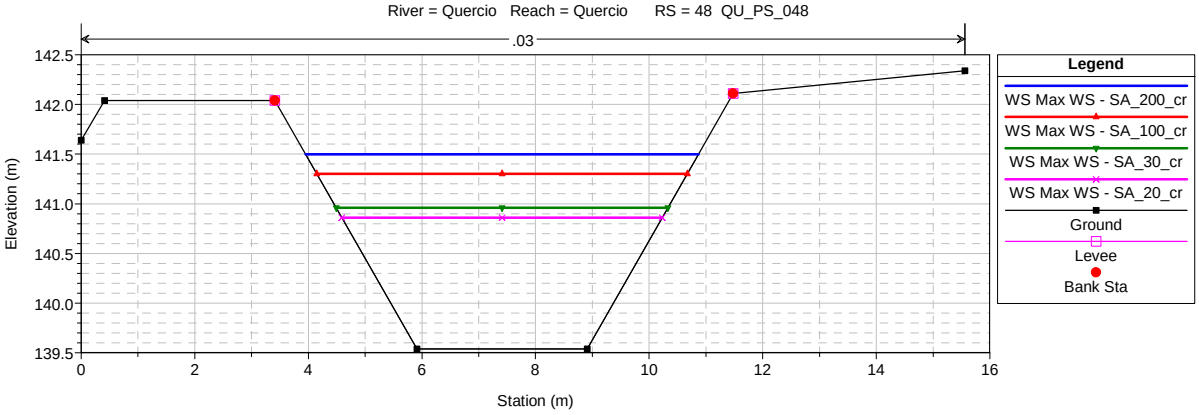

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 56 QU_PS_056
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 55 QU_PS_055
.03
.03
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 54 QU_PS_054
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 53 QU_PS_053
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 52 QU_PS_052
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 51 QU_PS_051
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 50 QU_PS_050
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 49 QU_PS_049
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

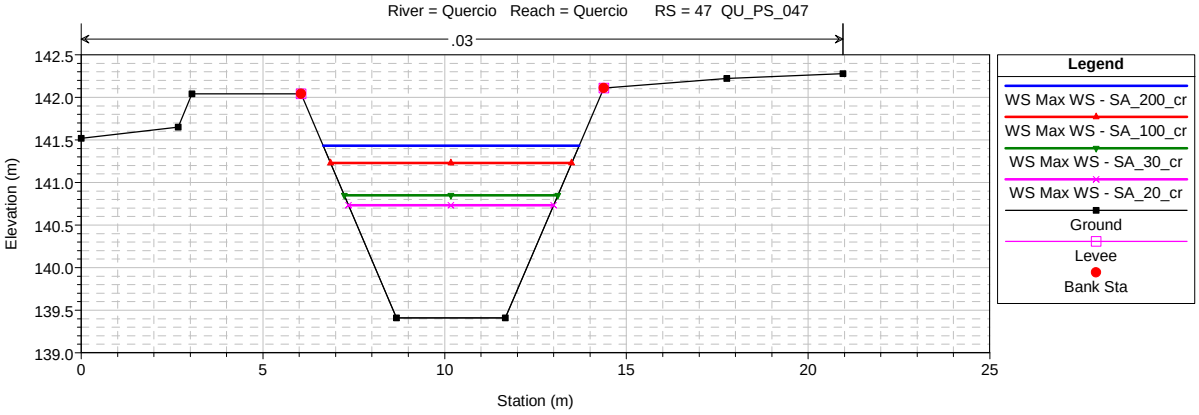
River = Quercio Reach = Quercio RS = 48 QU_PS_048



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

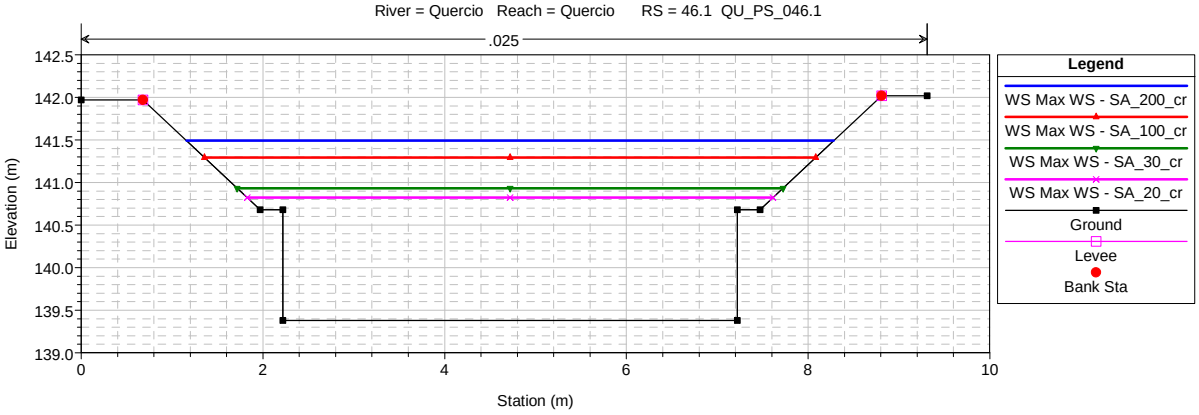
River = Quercio Reach = Quercio RS = 47 QU_PS_047



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

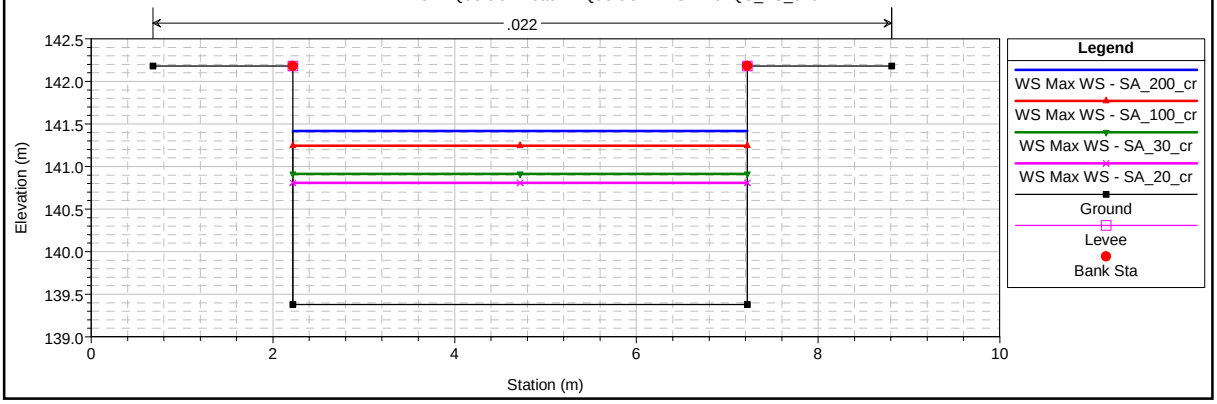
River = Quercio Reach = Quercio RS = 46.1 QU_PS_046.1



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

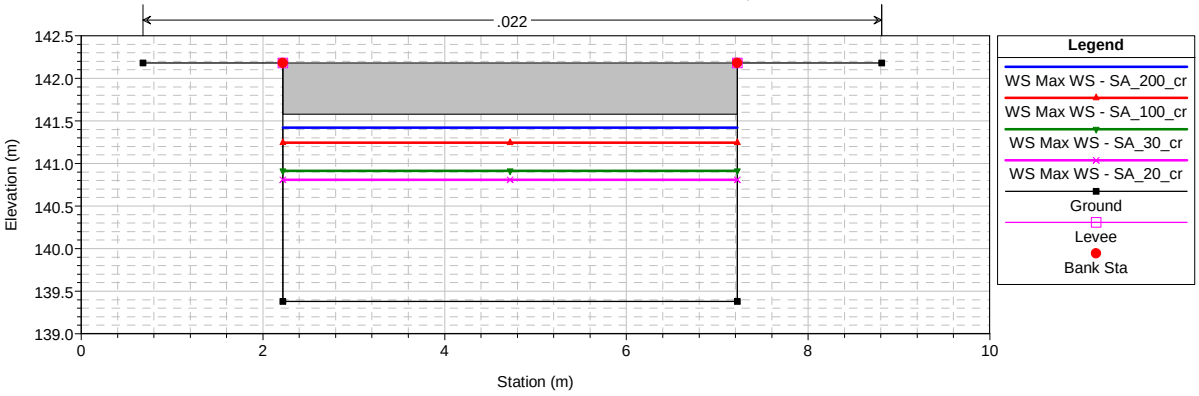
River = Quercio Reach = Quercio RS = 46 QU_PS_046



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

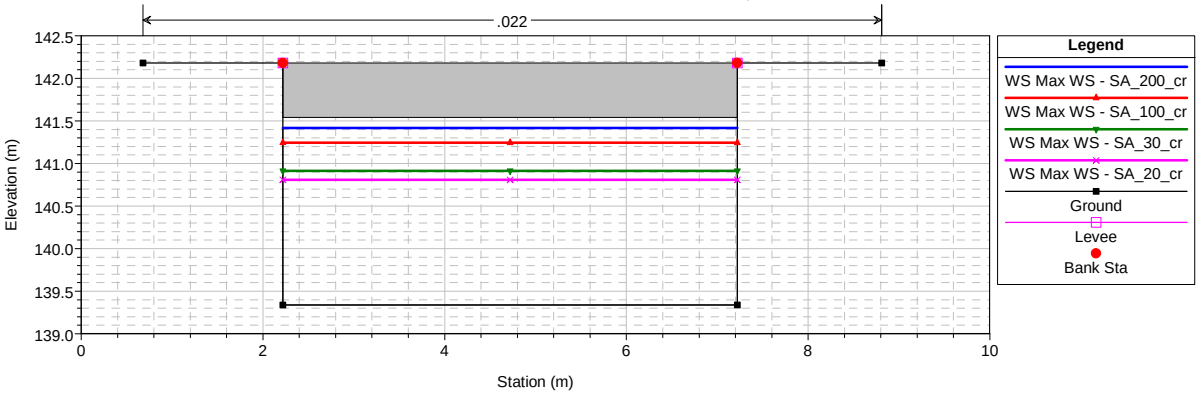
River = Quercio Reach = Quercio RS = 45.5 BR Ponte per Monsorbi-Pettini



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

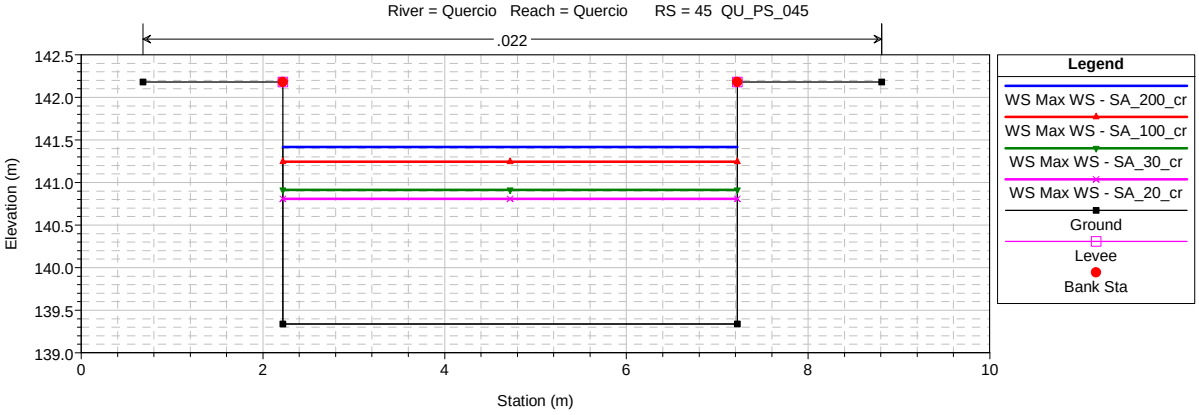
River = Quercio Reach = Quercio RS = 45.5 BR Ponte per Monsorbi-Pettini



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

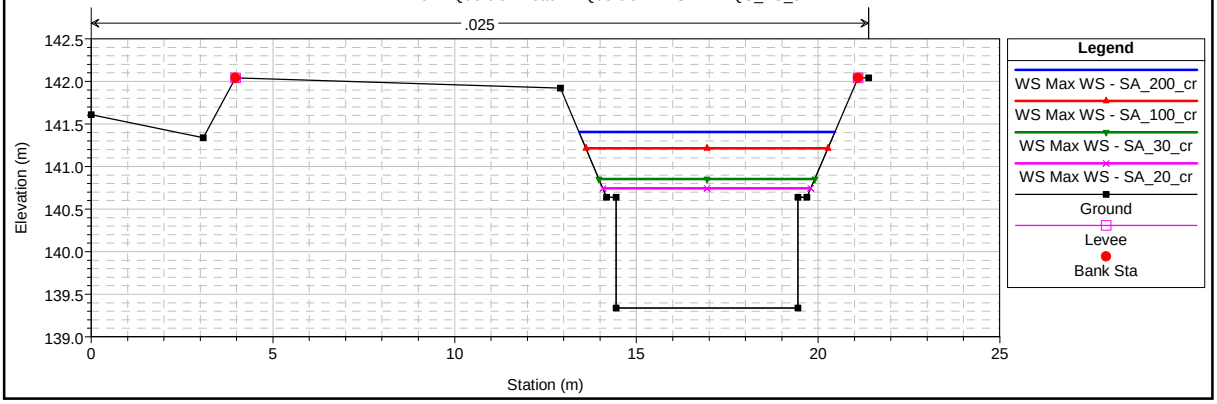
River = Quercio Reach = Quercio RS = 45 QU_PS_045

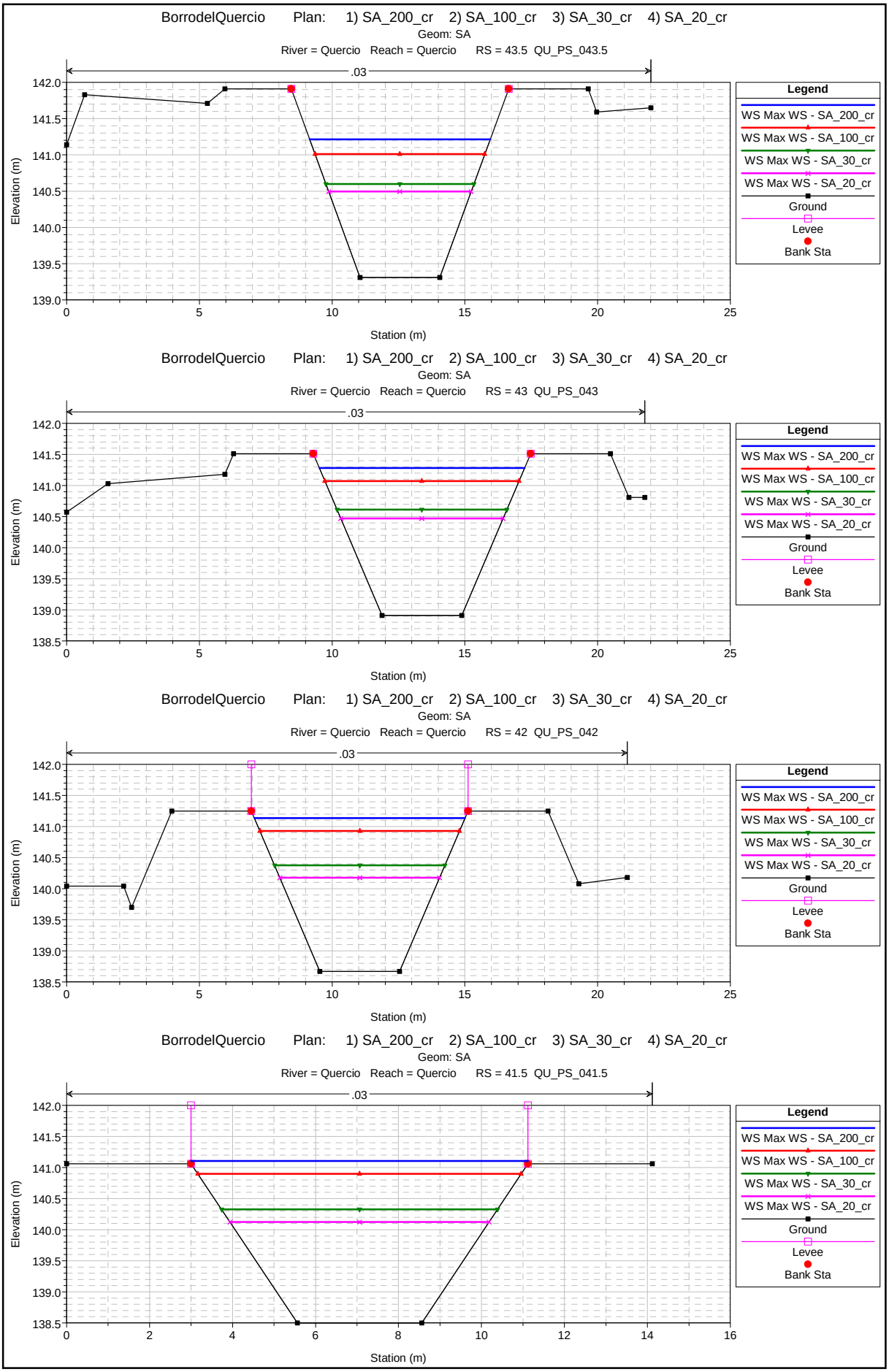


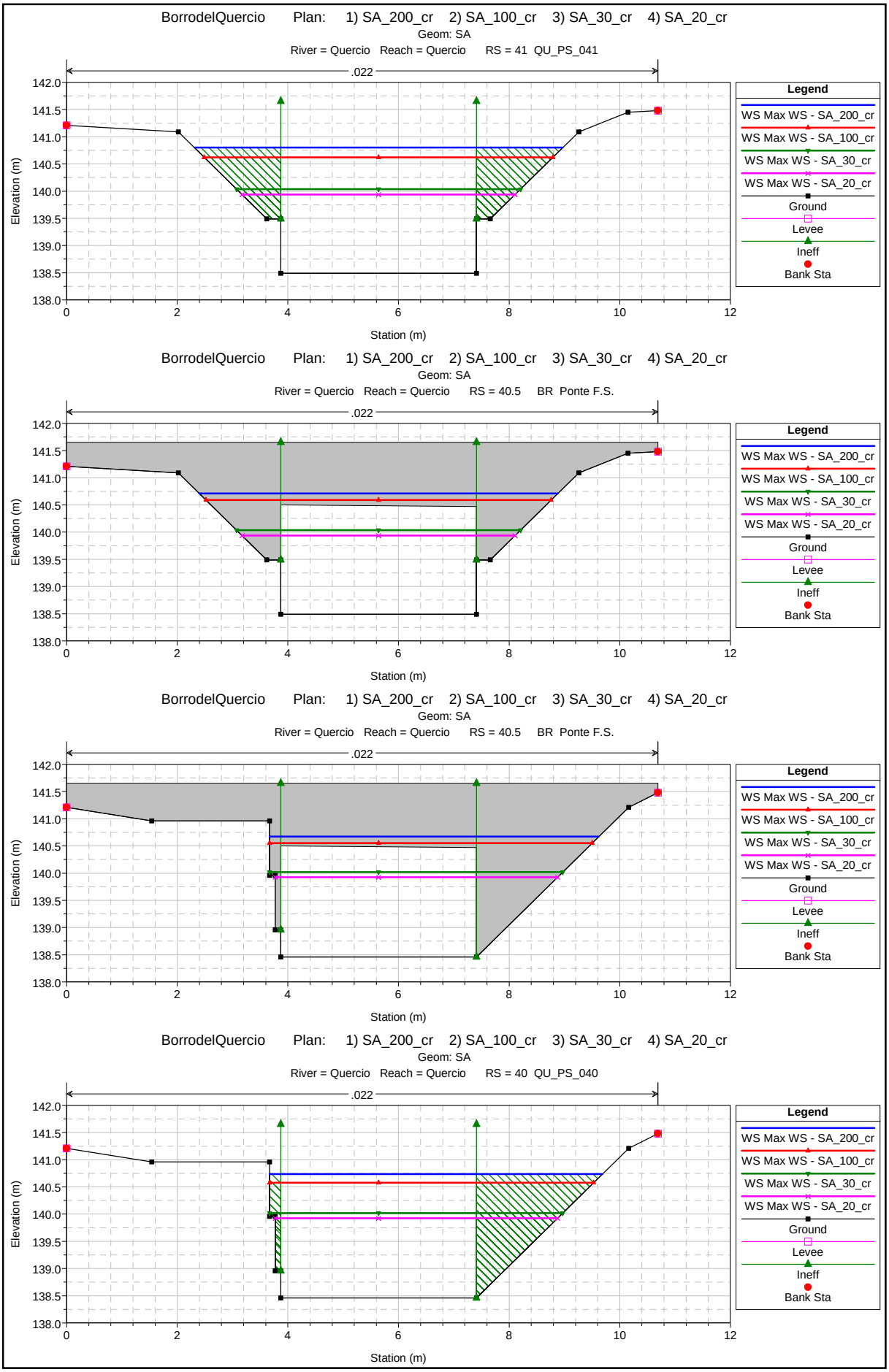
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

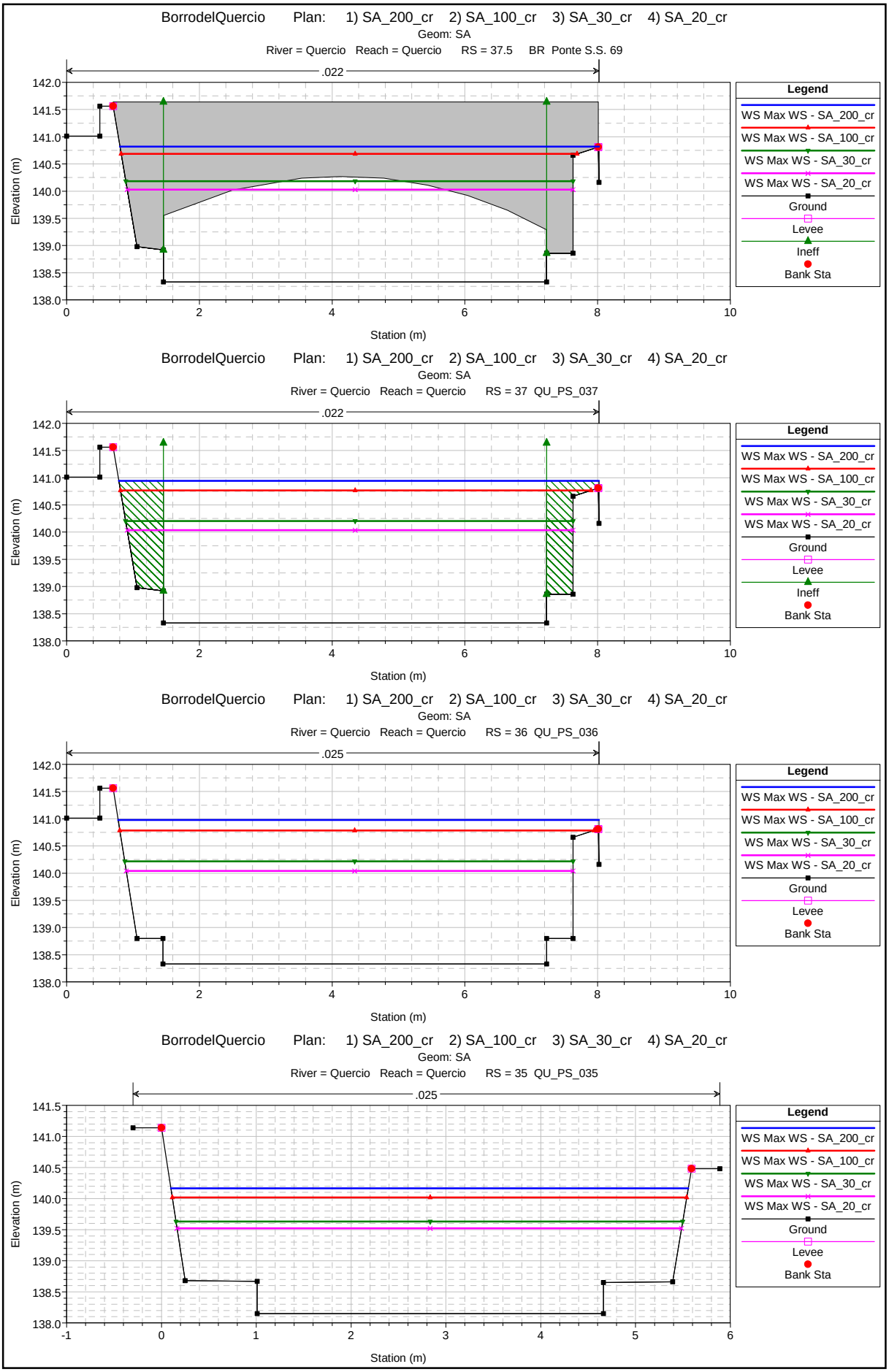
Geom: SA

River = Quercio Reach = Quercio RS = 44 QU_PS_044




BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 43.5 QU_PS_043.5
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 43 QU_PS_043
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 42 QU_PS_042
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 41.5 QU_PS_041.5
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

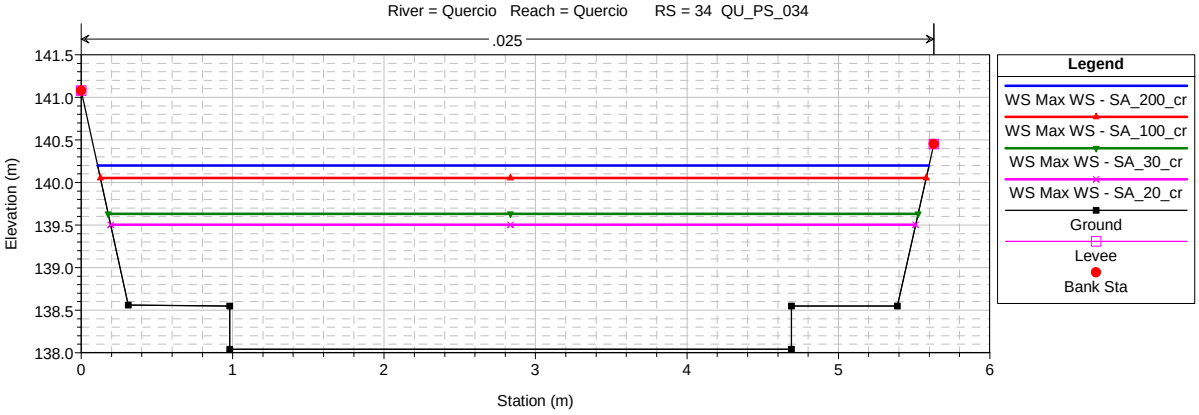

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 41 QU_PS_041
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 40.5 BR Ponte F.S.
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 40.5 BR Ponte F.S.
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 40 QU_PS_040
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 37.5 BR Ponte S.S. 69
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 37 QU_PS_037
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 36 QU_PS_036
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 35 QU_PS_035
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

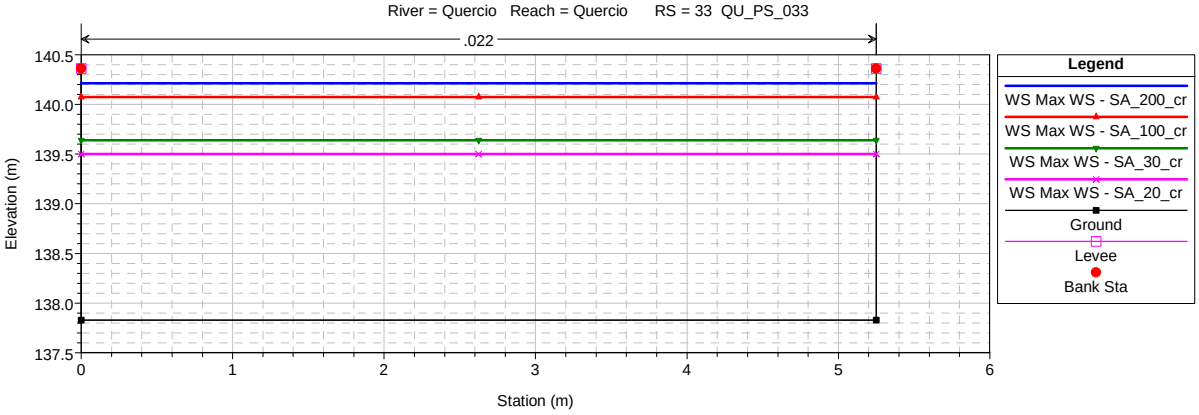
River = Quercio Reach = Quercio RS = 34 QU_PS_034



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

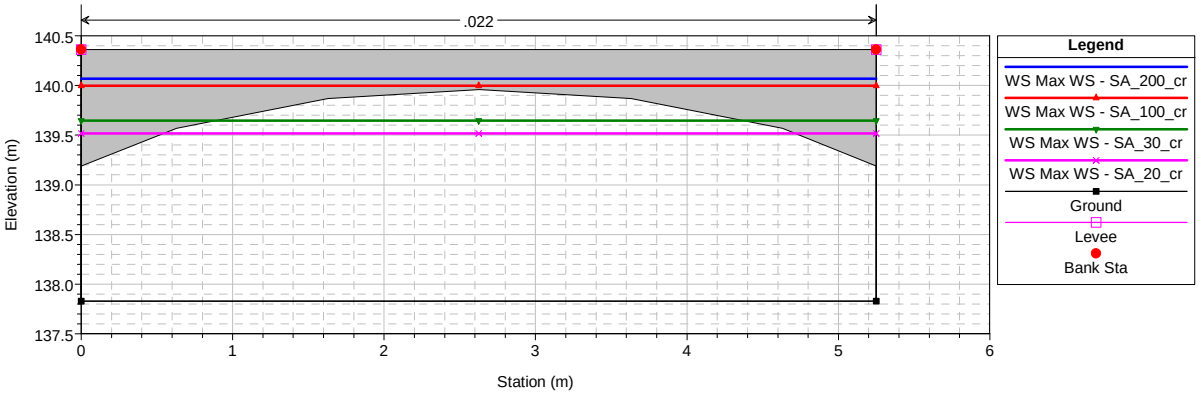
River = Quercio Reach = Quercio RS = 33 QU_PS_033



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

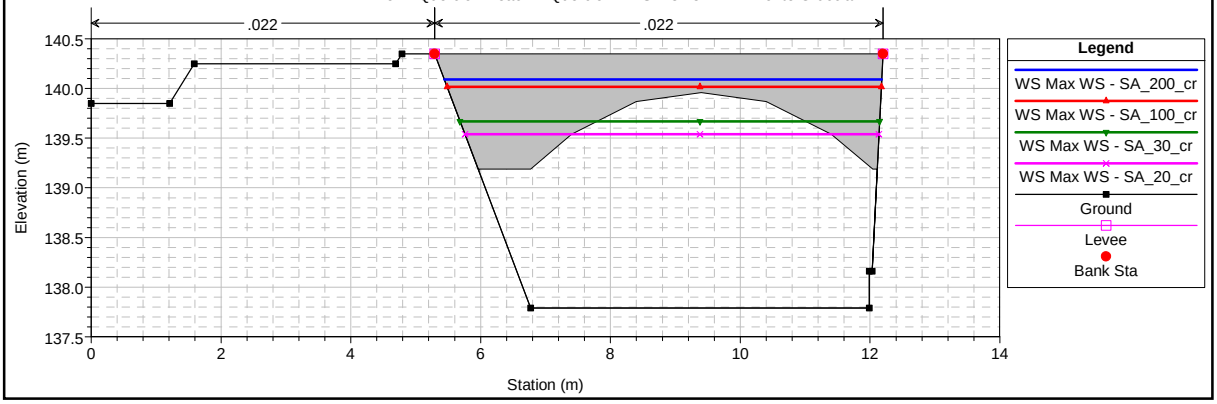
River = Quercio Reach = Quercio RS = 32.5 BR Ponte Gruccia



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

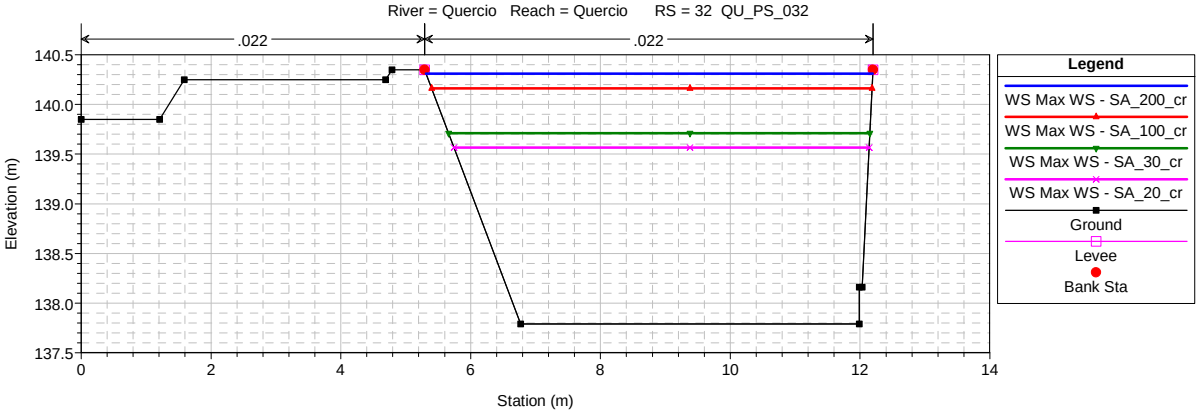
River = Quercio Reach = Quercio RS = 32.5 BR Ponte Gruccia



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

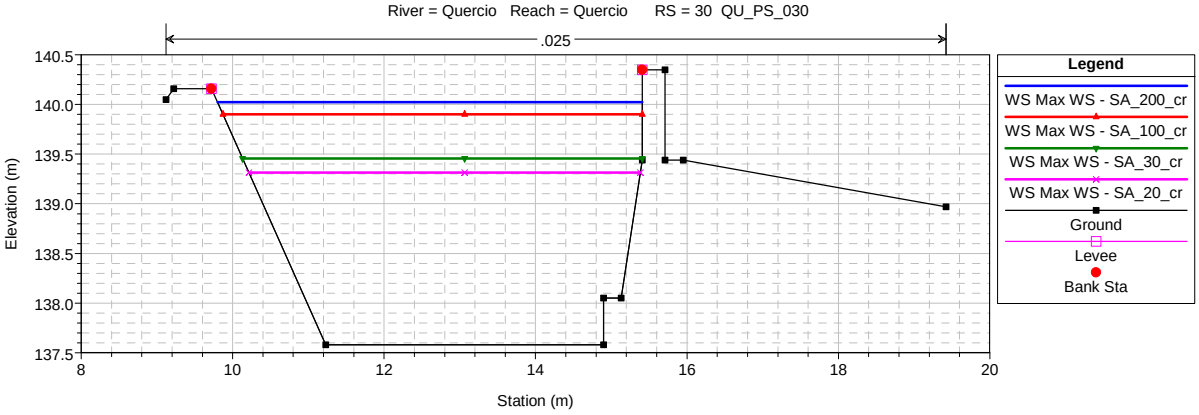
River = Quercio Reach = Quercio RS = 32 QU_PS_032



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

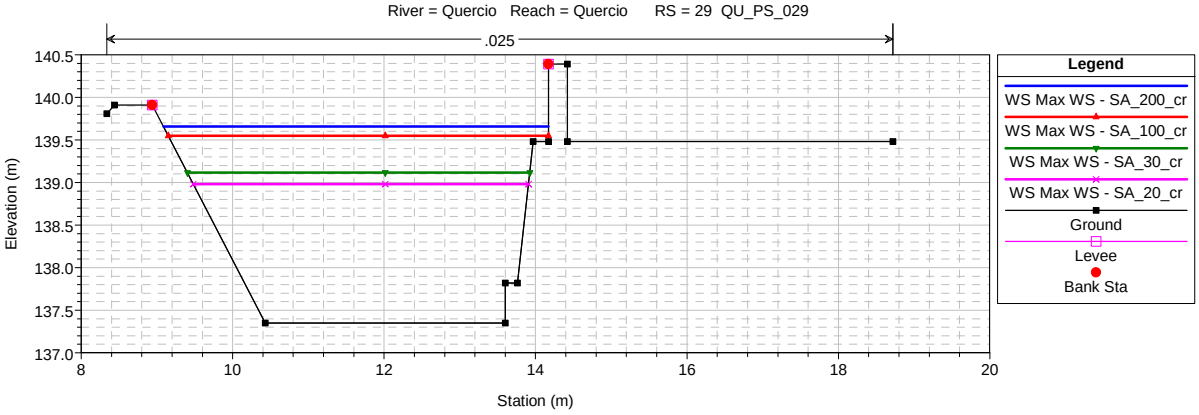
River = Quercio Reach = Quercio RS = 30 QU_PS_030



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

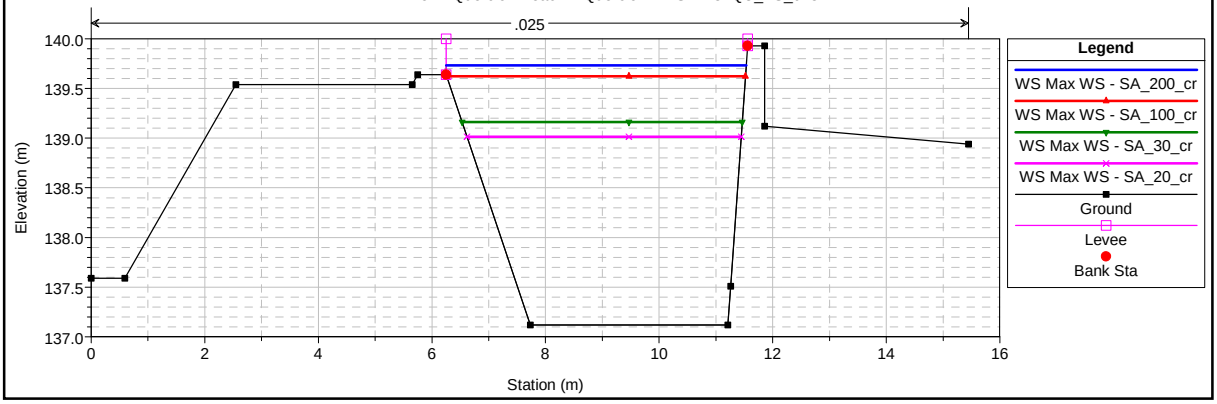
River = Quercio Reach = Quercio RS = 29 QU_PS_029



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

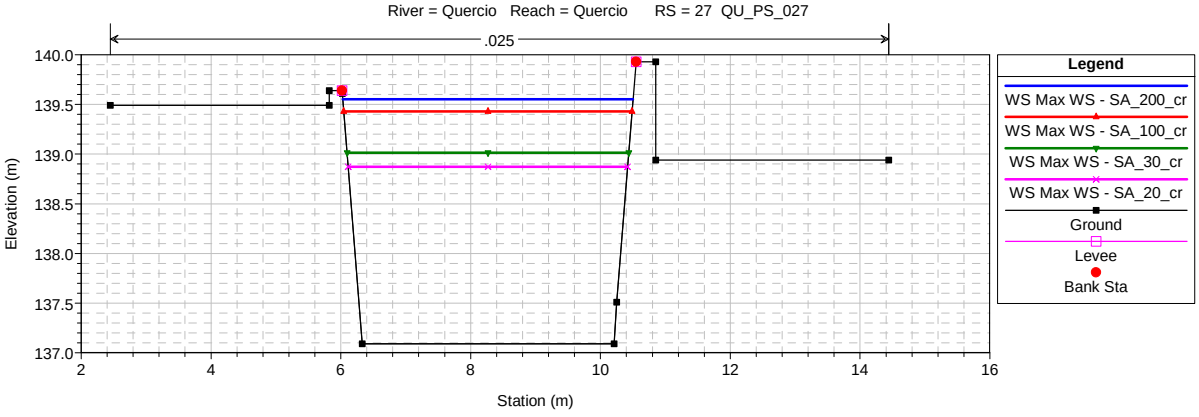
River = Quercio Reach = Quercio RS = 28 QU_PS_028



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

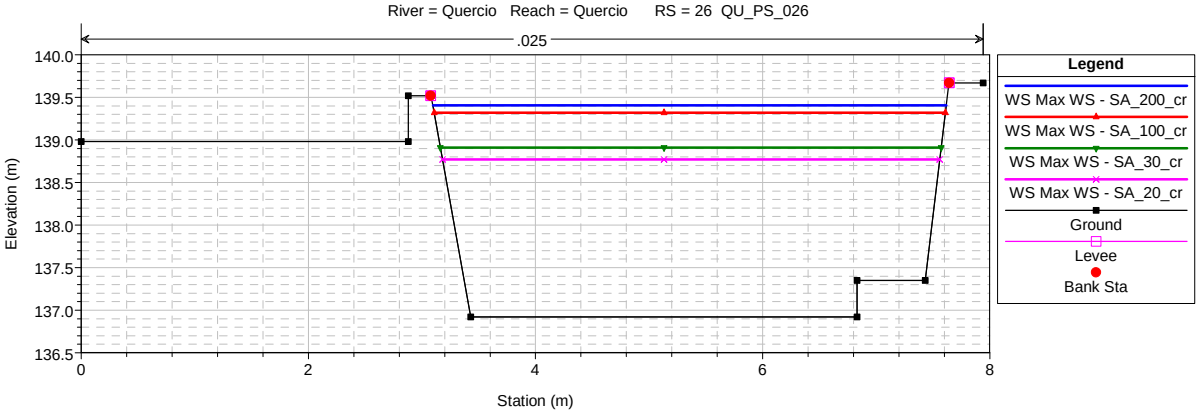
River = Quercio Reach = Quercio RS = 27 QU_PS_027



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

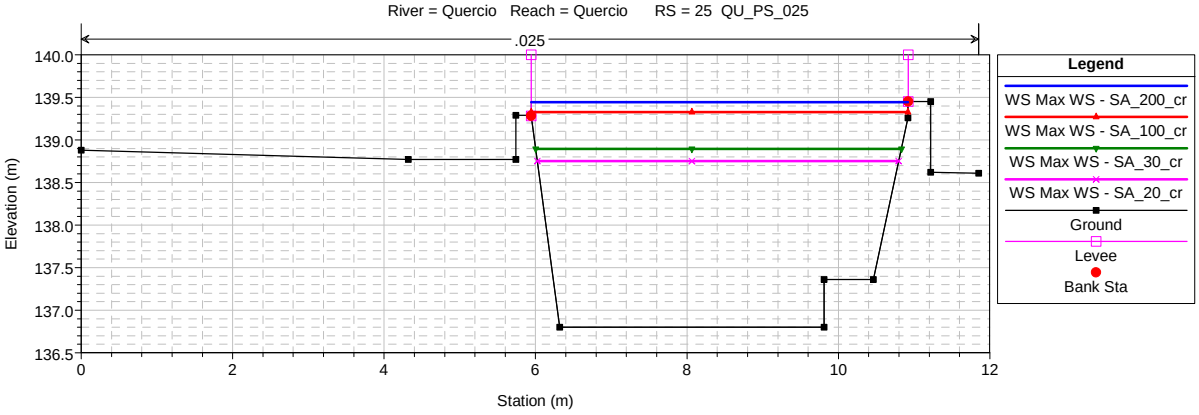
River = Quercio Reach = Quercio RS = 26 QU_PS_026



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

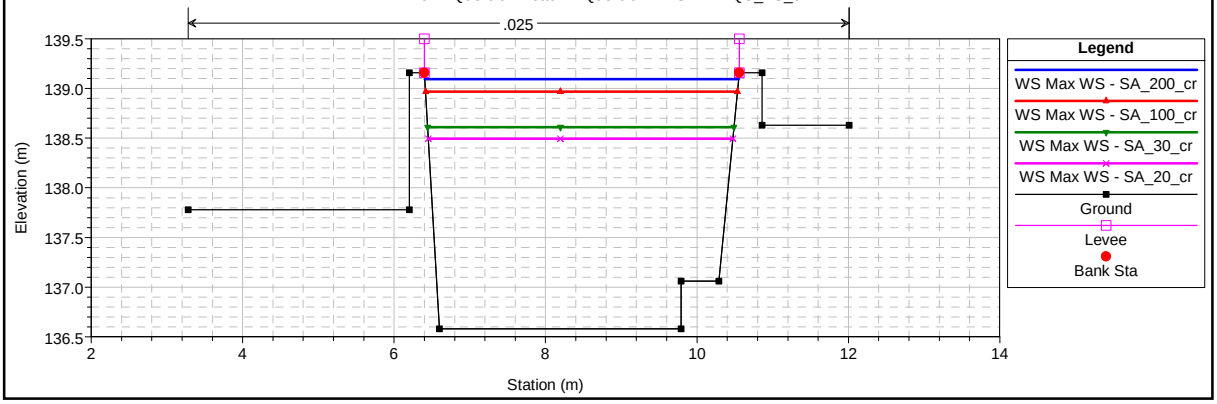
River = Quercio Reach = Quercio RS = 25 QU_PS_025

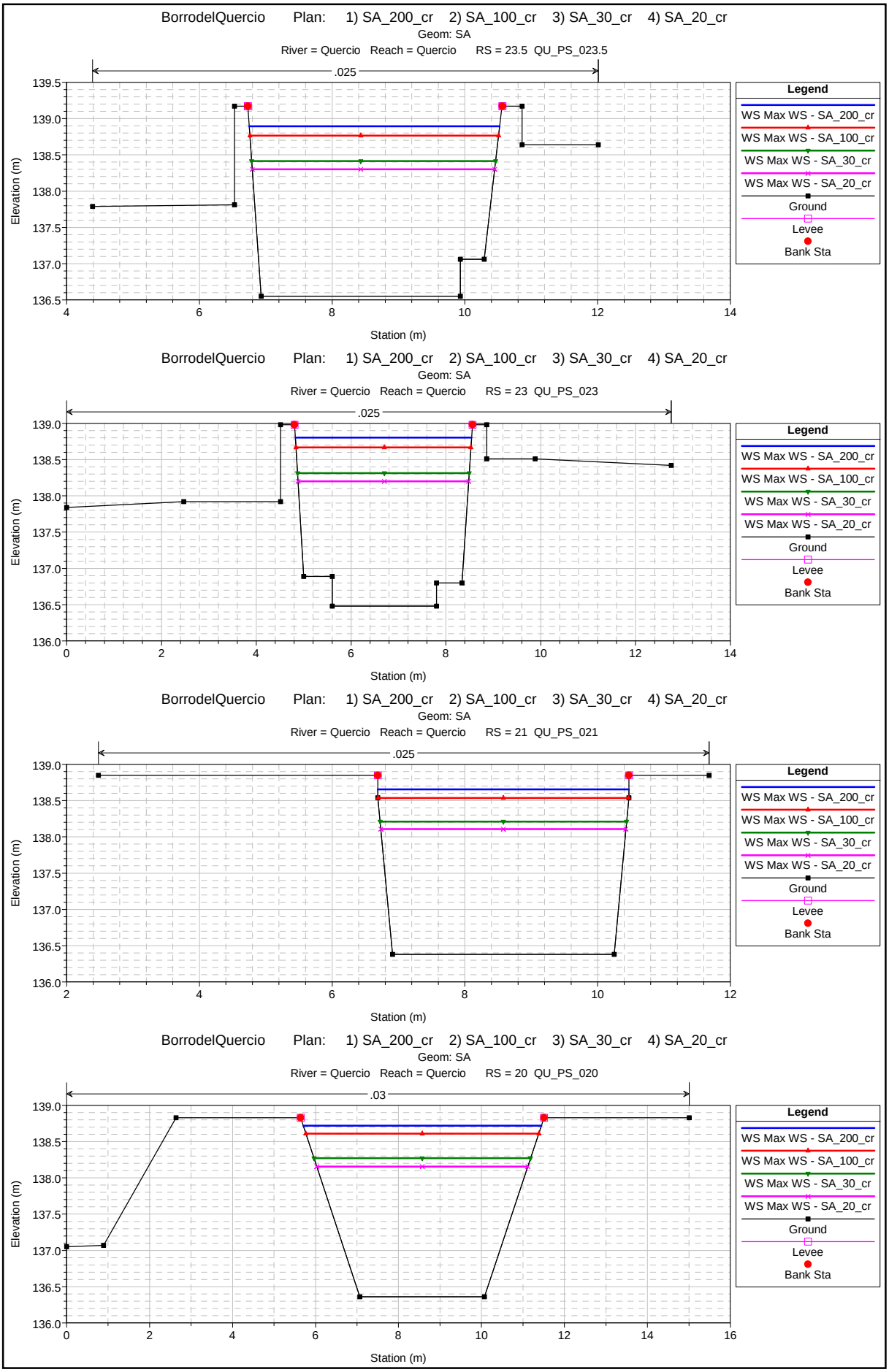


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

River = Quercio Reach = Quercio RS = 24 QU_PS_024

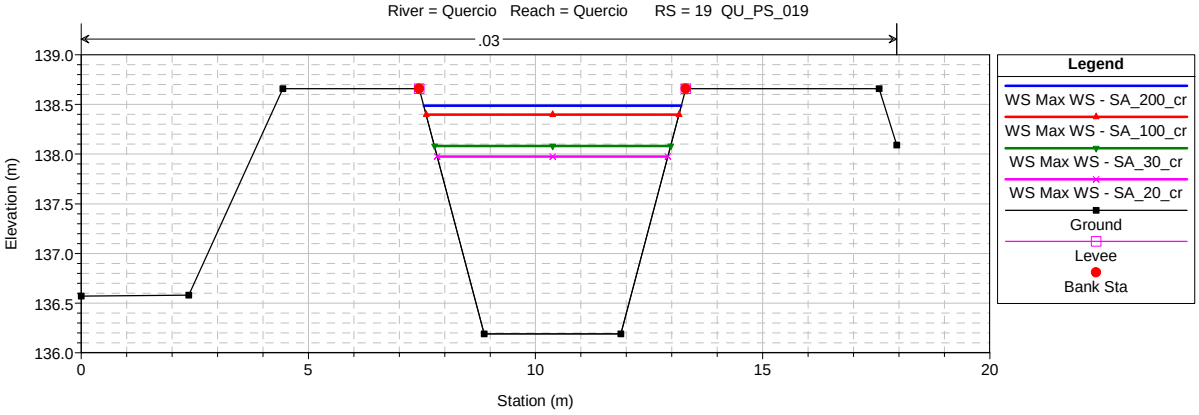



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 23.5 QU_PS_023.5
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 23 QU_PS_023
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 21 QU_PS_021
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 20 QU_PS_020
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

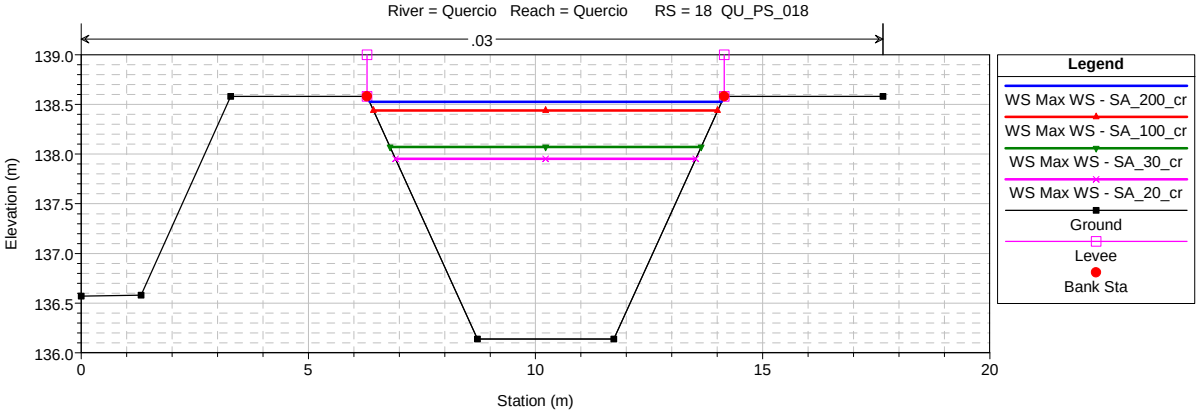
River = Quercio Reach = Quercio RS = 19 QU_PS_019



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

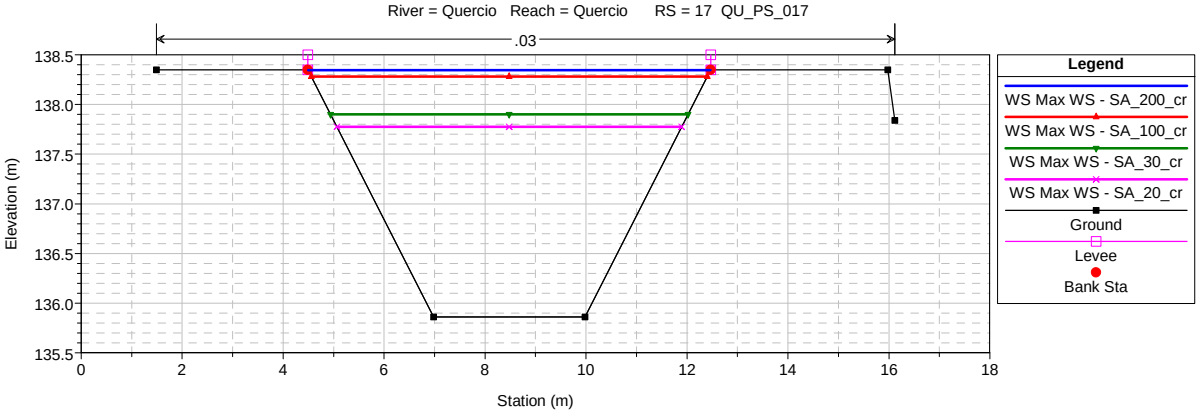
River = Quercio Reach = Quercio RS = 18 QU_PS_018



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

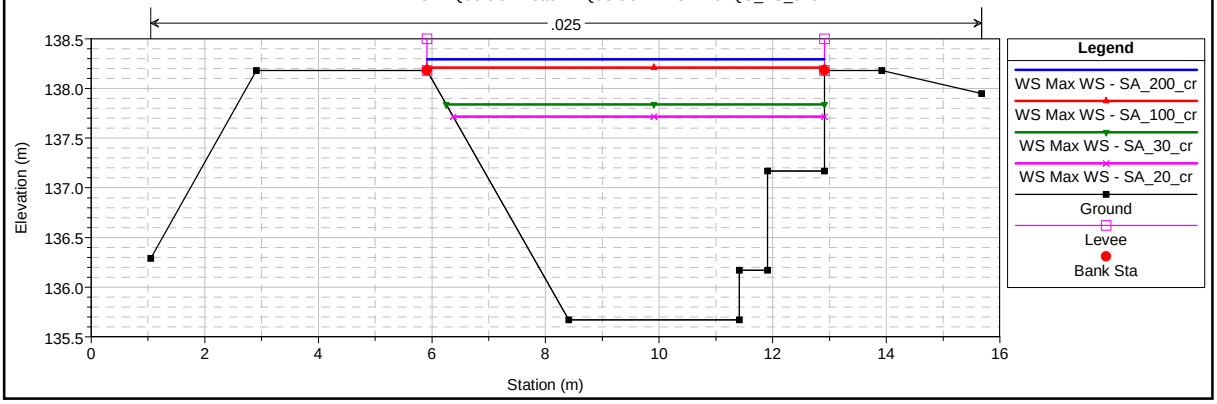
River = Quercio Reach = Quercio RS = 17 QU_PS_017

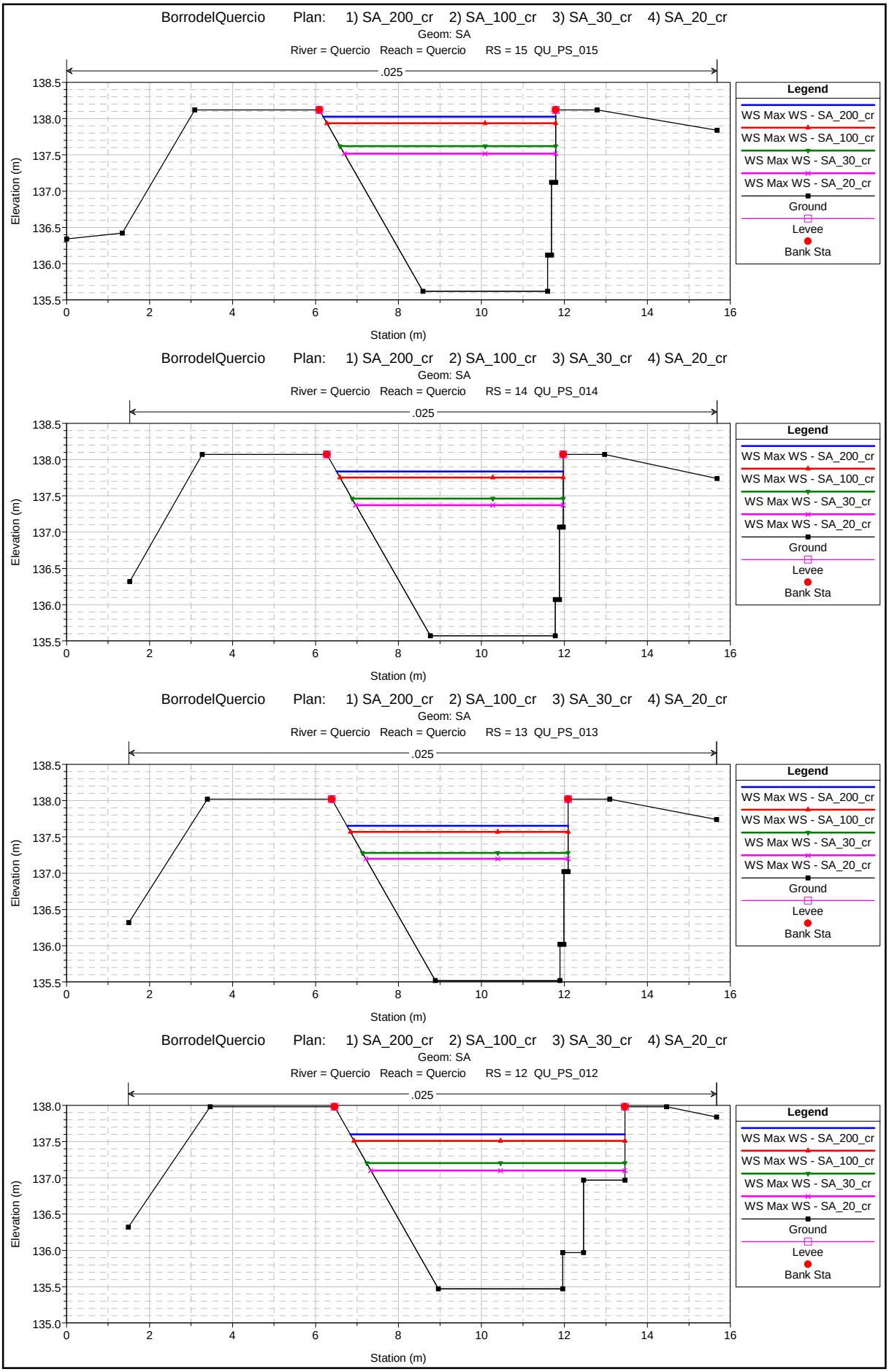


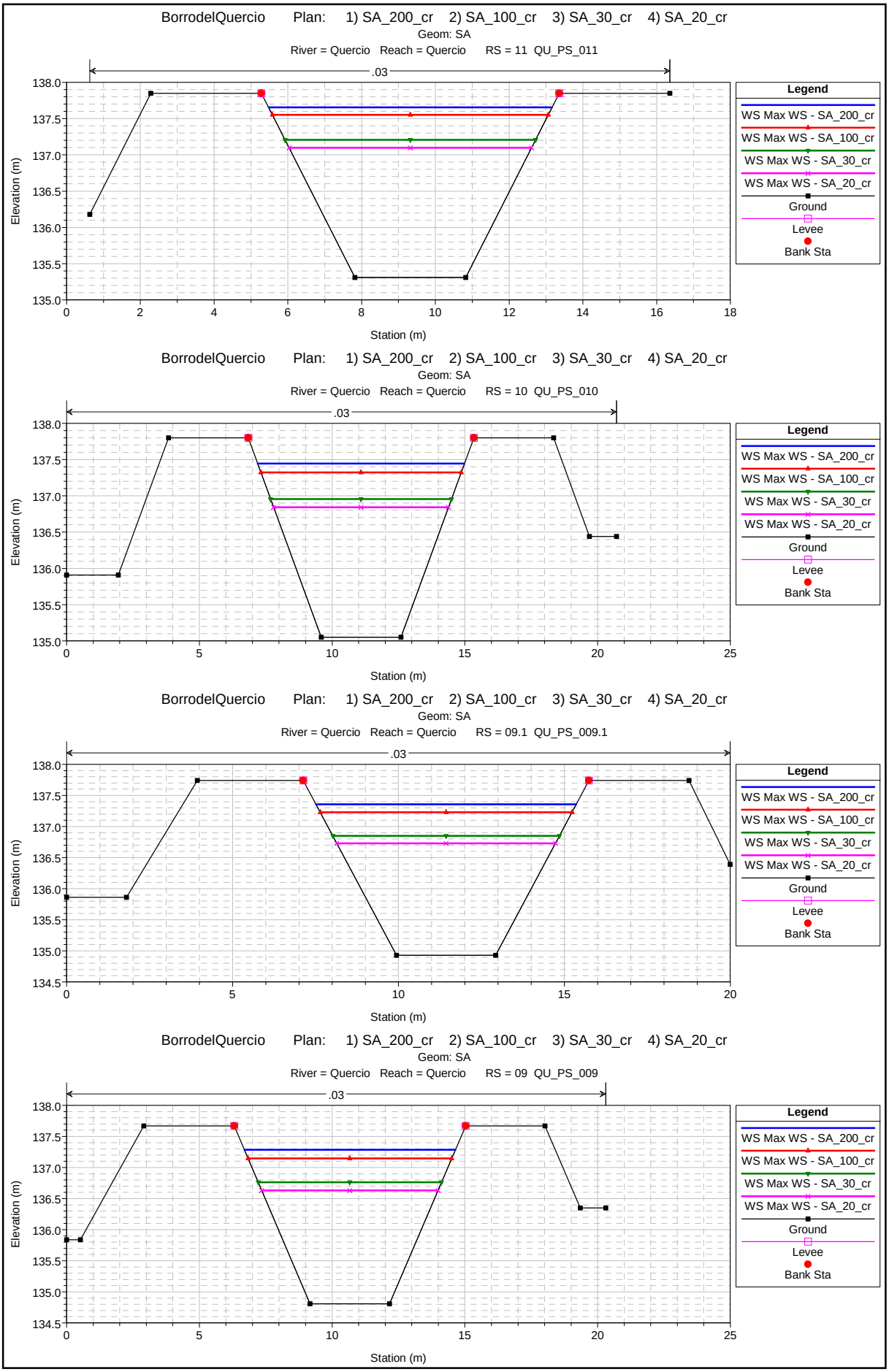
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

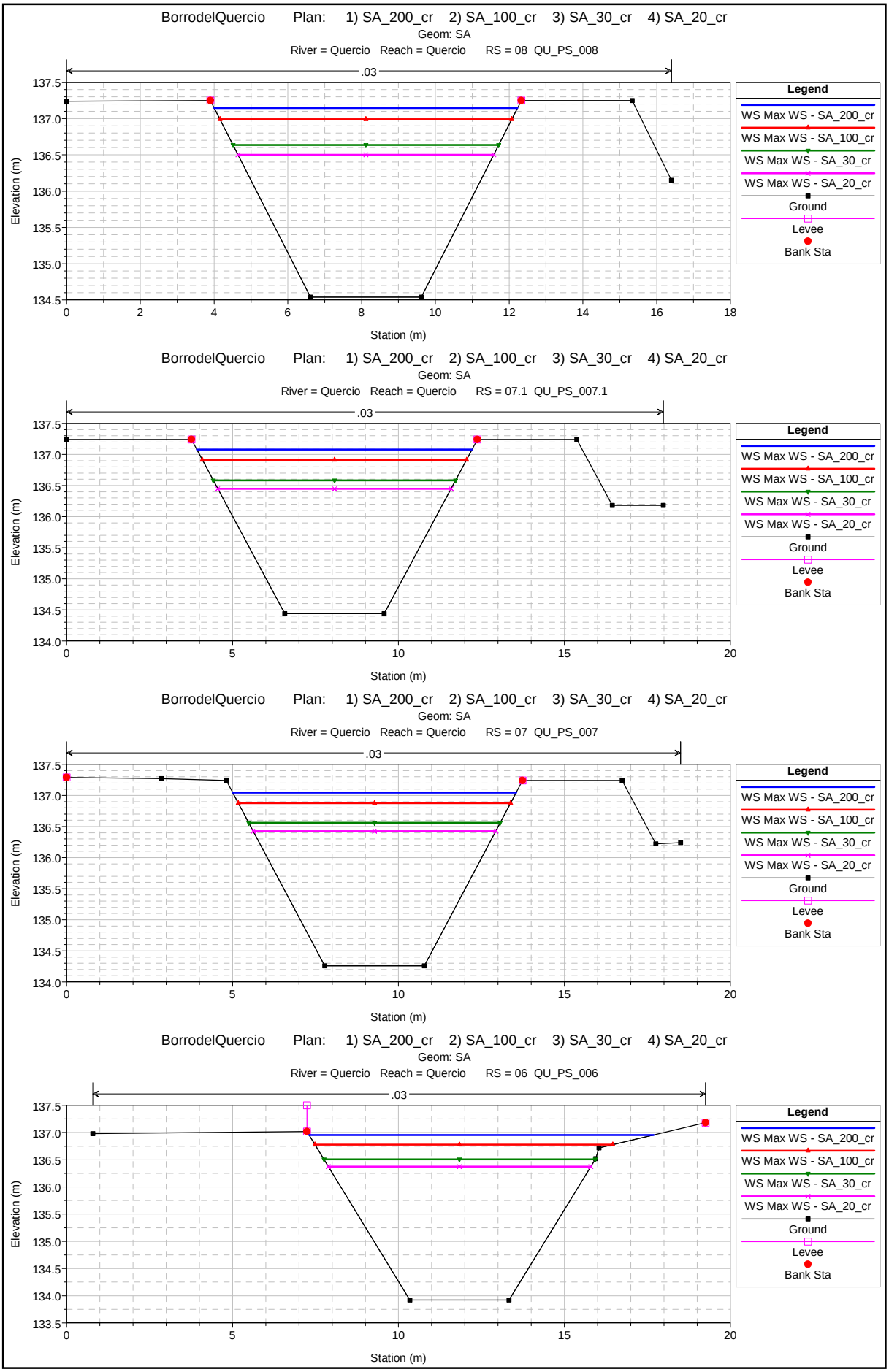
Geom: SA

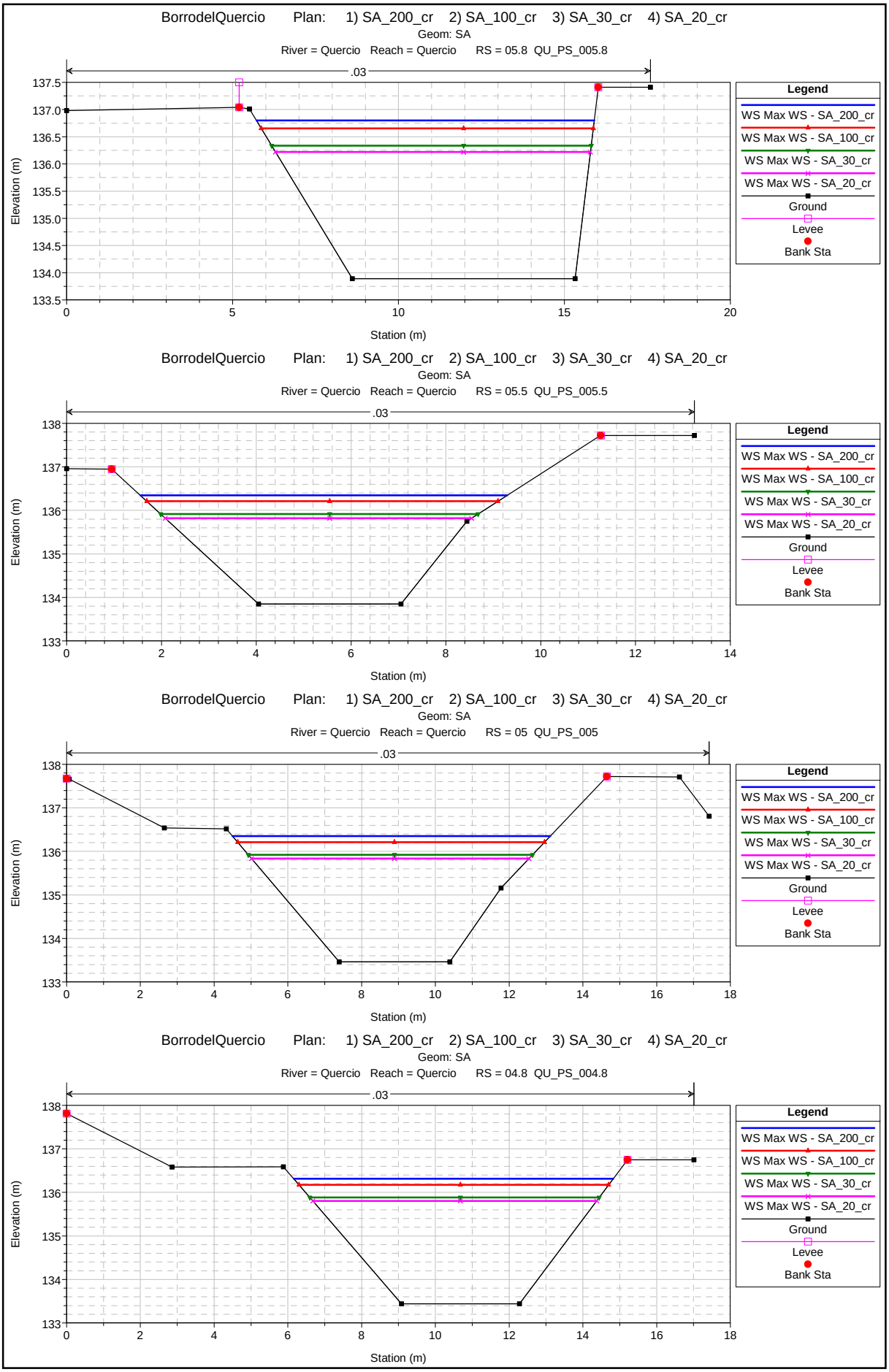
River = Quercio Reach = Quercio RS = 16 QU_PS_016




BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 15 QU_PS_015
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 14 QU_PS_014
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 13 QU_PS_013
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 12 QU_PS_012
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 11 QU_PS_011
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 10 QU_PS_010
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 09.1 QU_PS_009.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 09 QU_PS_009
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

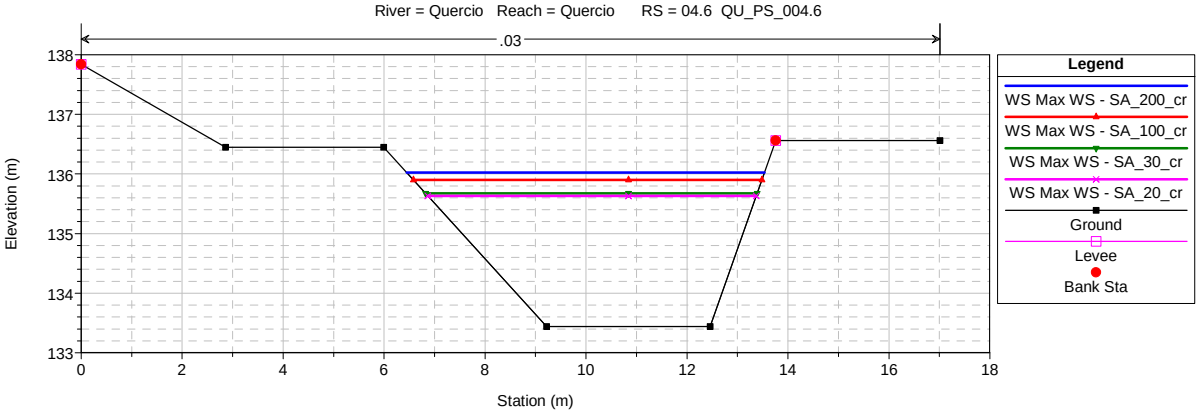

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 08 QU_PS_008
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 07.1 QU_PS_007.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 07 QU_PS_007
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 06 QU_PS_006
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 05.8 QU_PS_005.8
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 05.5 QU_PS_005.5
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 05 QU_PS_005
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 04.8 QU_PS_004.8
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

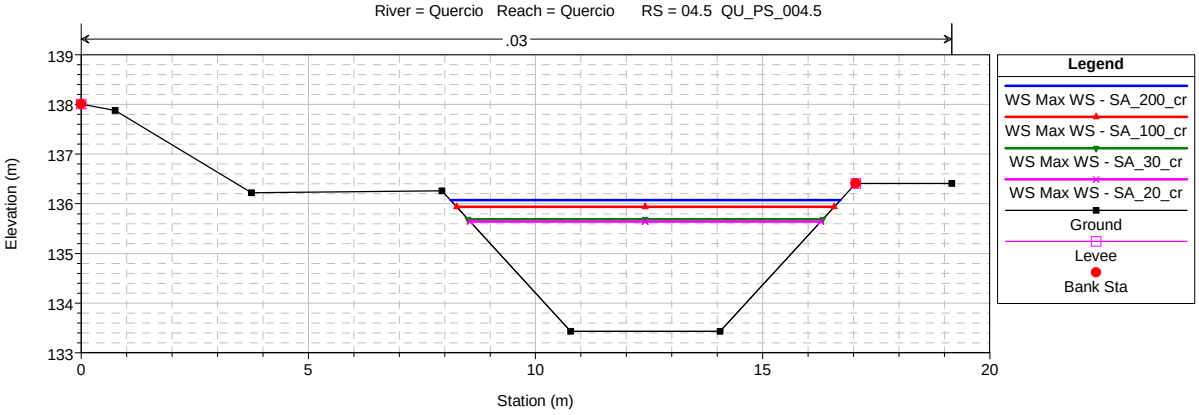
River = Quercio Reach = Quercio RS = 04.6 QU_PS_004.6



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

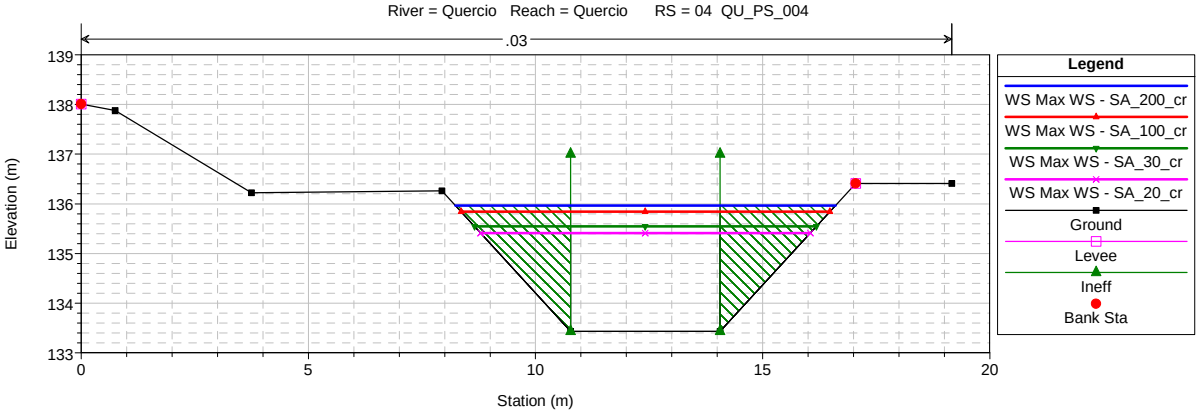
River = Quercio Reach = Quercio RS = 04.5 QU_PS_004.5



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

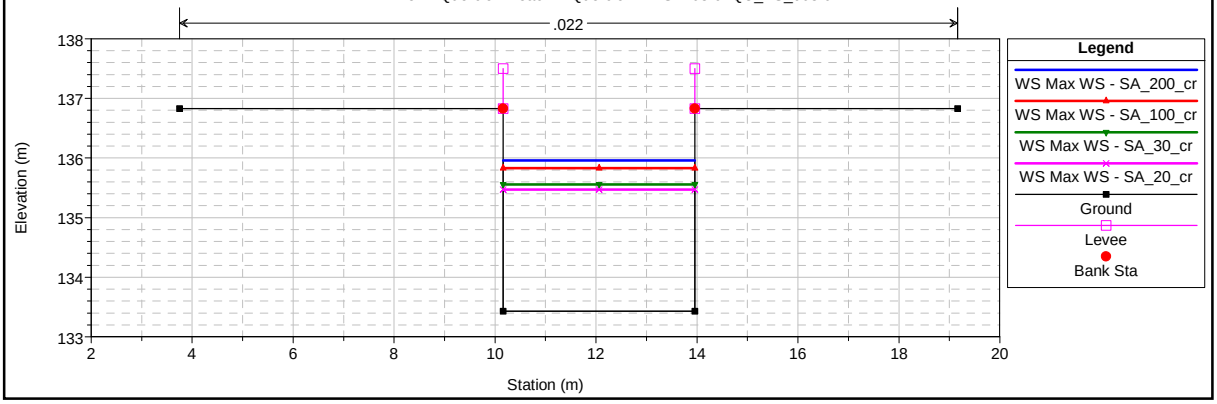
River = Quercio Reach = Quercio RS = 04 QU_PS_004



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

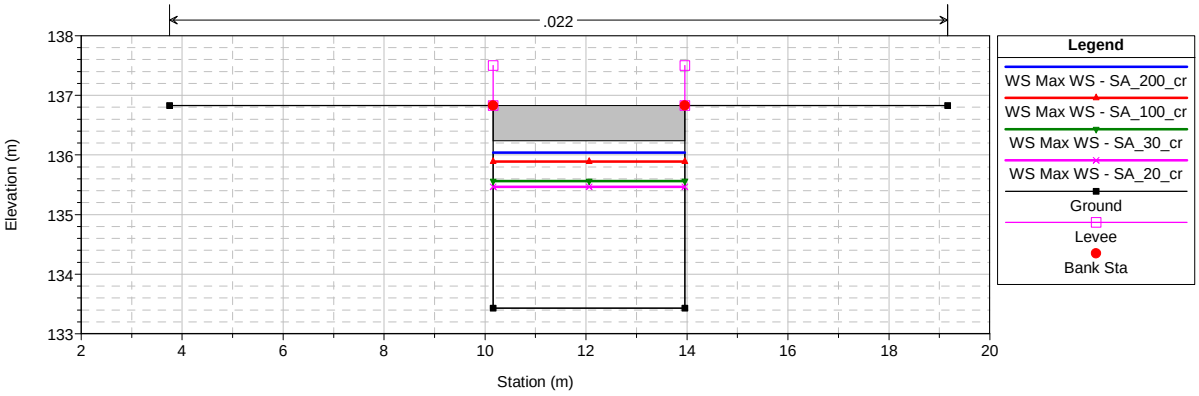
River = Quercio Reach = Quercio RS = 03.6 QU_PS_003.6



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

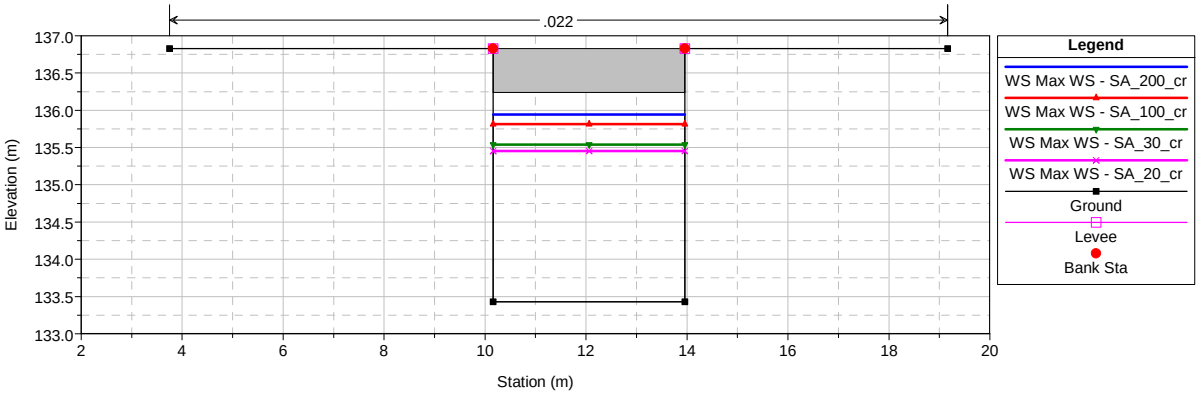
River = Quercio Reach = Quercio RS = 03.5 BR Ponte confluenza Arno



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

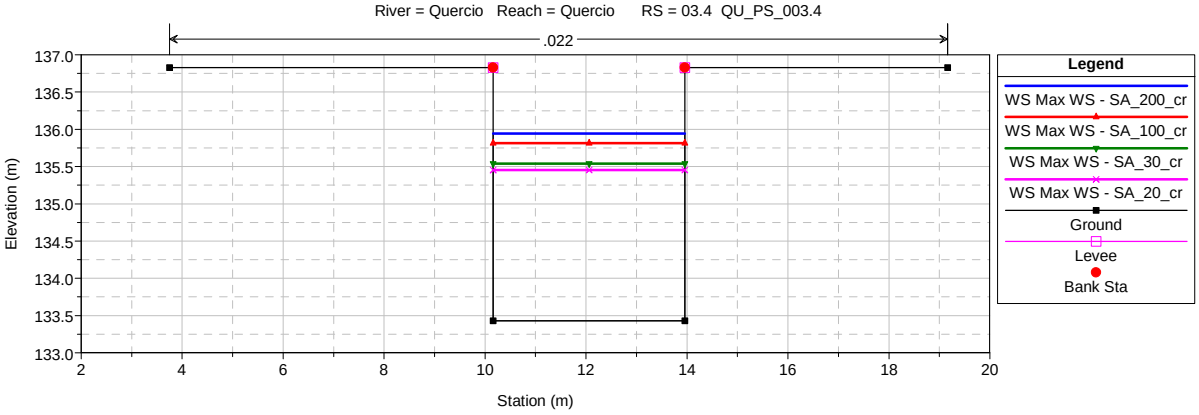
River = Quercio Reach = Quercio RS = 03.5 BR Ponte confluenza Arno



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

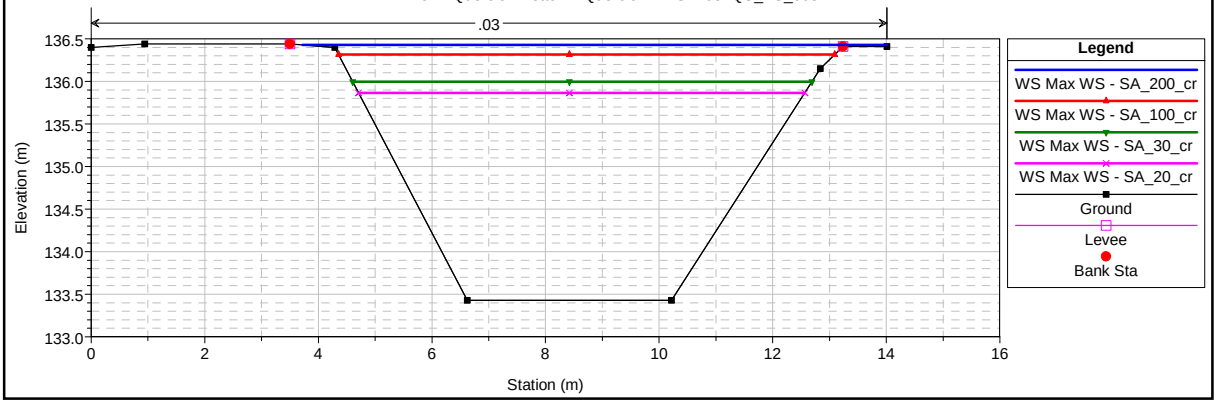
River = Quercio Reach = Quercio RS = 03.4 QU_PS_003.4

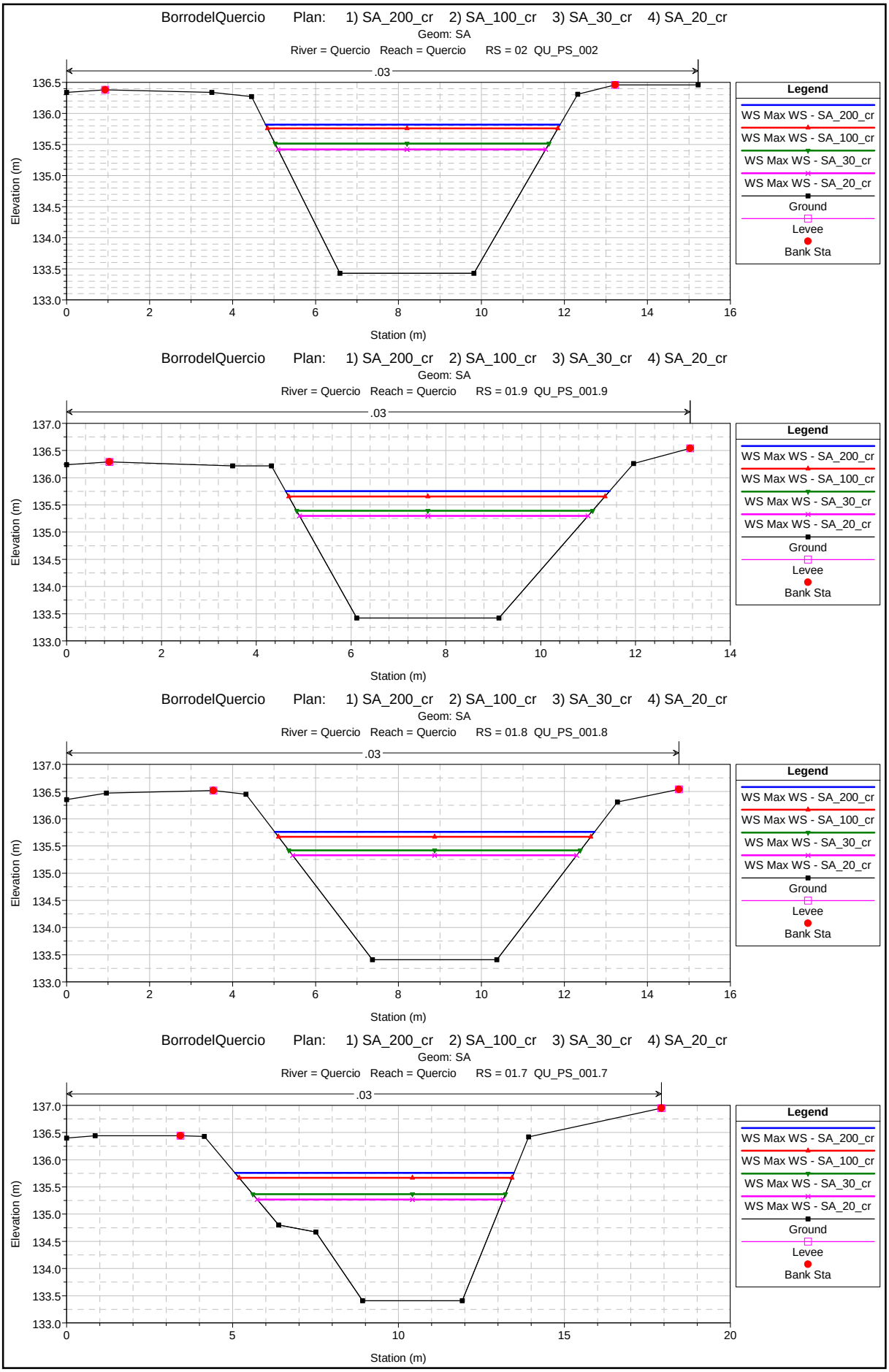


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

River = Quercio Reach = Quercio RS = 03 QU_PS_003

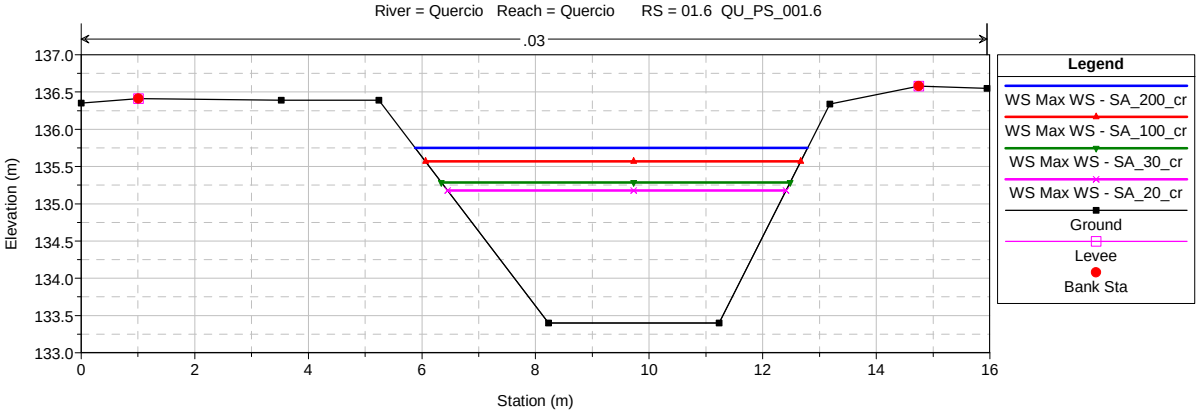



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 02 QU_PS_002
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01.9 QU_PS_001.9
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01.8 QU_PS_001.8
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01.7 QU_PS_001.7
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

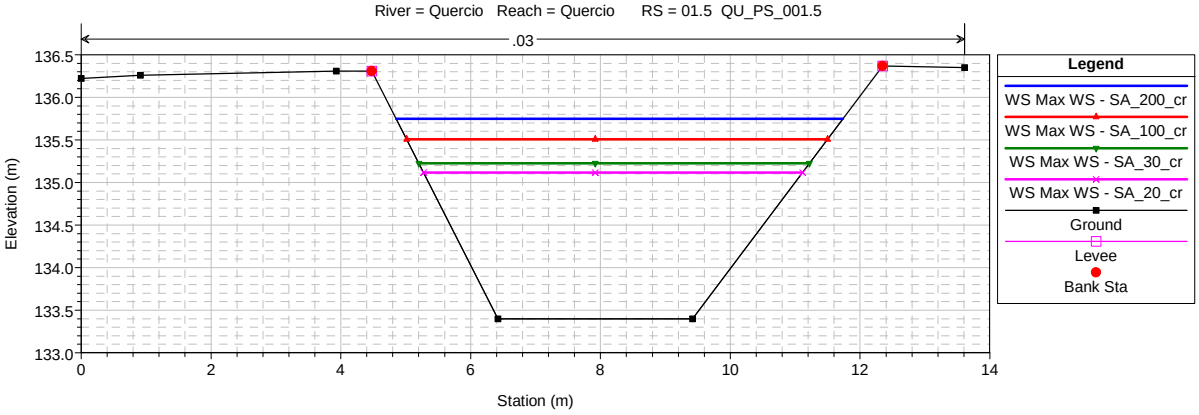
River = Quercio Reach = Quercio RS = 01.6 QU_PS_001.6



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

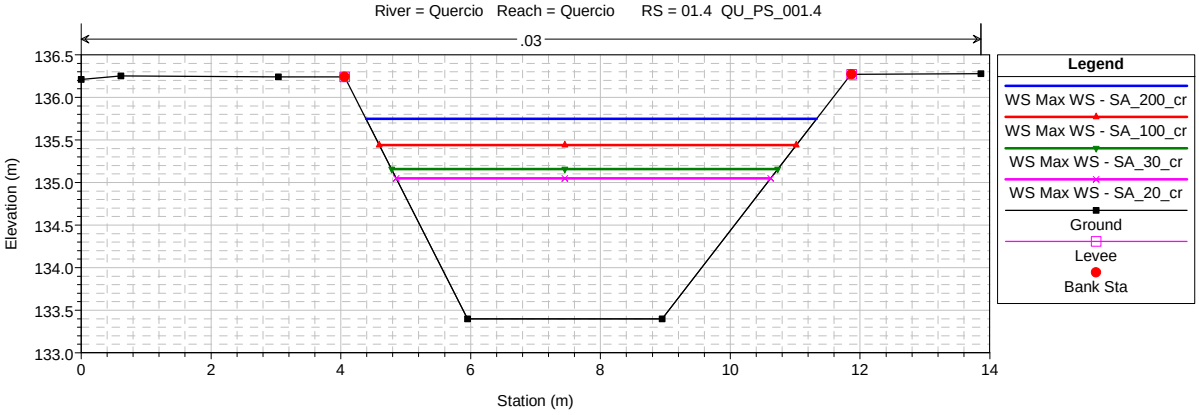
River = Quercio Reach = Quercio RS = 01.5 QU_PS_001.5



BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

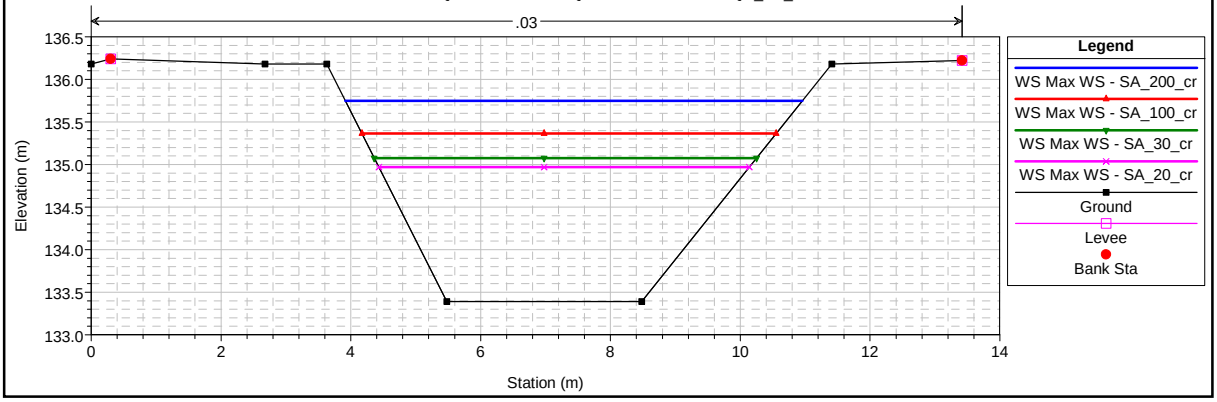
River = Quercio Reach = Quercio RS = 01.4 QU_PS_001.4

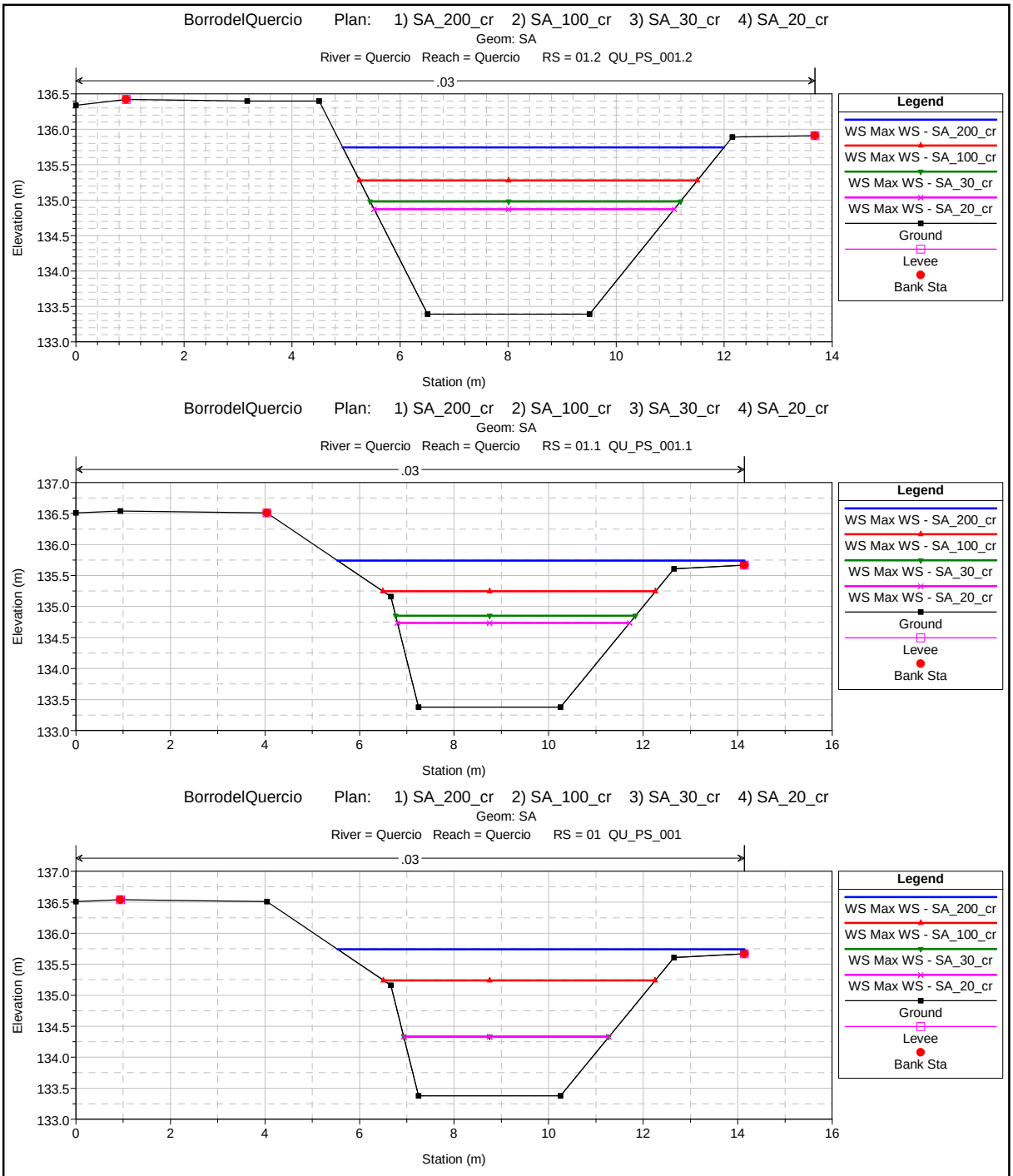


BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

River = Quercio Reach = Quercio RS = 01.3 QU_PS_001.3




BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01.2 QU_PS_001.2
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01.1 QU_PS_001.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Quercio Reach = Quercio RS = 01 QU_PS_001
.03
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	66	Max WS	SA_200_cr	24.63	141.42	143.22	143.20	143.84	0.012568	3.49	7.05	5.41	0.98
Quercio	66	Max WS	SA_100_cr	20.72	141.42	143.06	143.04	143.62	0.012529	3.33	6.22	5.20	0.97
Quercio	66	Max WS	SA_30_cr	15.14	141.42	142.81	142.78	143.28	0.012538	3.05	4.96	4.86	0.96
Quercio	66	Max WS	SA_20_cr	13.56	141.42	142.73	142.71	143.18	0.012579	2.96	4.58	4.76	0.96
Quercio	65	Max WS	SA_200_cr	24.63	141.40	143.20		143.73	0.009964	3.22	7.65	5.56	0.88
Quercio	65	Max WS	SA_100_cr	20.72	141.40	143.05		143.52	0.009700	3.04	6.81	5.38	0.86
Quercio	65	Max WS	SA_30_cr	15.14	141.40	142.80		143.18	0.009289	2.74	5.53	5.10	0.84
Quercio	65	Max WS	SA_20_cr	13.55	141.40	142.72		143.08	0.009171	2.64	5.14	5.01	0.83
Quercio	64	Max WS	SA_200_cr	24.63	141.38	143.17		143.70	0.009952	3.22	7.66	5.60	0.88
Quercio	64	Max WS	SA_100_cr	20.72	141.38	143.02		143.49	0.009716	3.04	6.82	5.42	0.86
Quercio	64	Max WS	SA_30_cr	15.14	141.38	142.78		143.16	0.009320	2.74	5.53	5.14	0.84
Quercio	64	Max WS	SA_20_cr	13.55	141.38	142.70		143.05	0.009200	2.64	5.14	5.05	0.83
Quercio	63	Max WS	SA_200_cr	24.63	141.34	143.13		143.64	0.009525	3.15	7.81	5.77	0.87
Quercio	63	Max WS	SA_100_cr	20.71	141.34	142.98		143.43	0.009358	2.99	6.94	5.57	0.85
Quercio	63	Max WS	SA_30_cr	15.14	141.34	142.73		143.10	0.009078	2.70	5.60	5.26	0.84
Quercio	63	Max WS	SA_20_cr	13.55	141.34	142.66		143.00	0.008987	2.61	5.20	5.16	0.83
Quercio	62	Max WS	SA_200_cr	24.63	141.31	143.11		143.59	0.008931	3.07	8.03	5.97	0.84
Quercio	62	Max WS	SA_100_cr	20.71	141.31	142.96		143.39	0.008818	2.91	7.12	5.75	0.84
Quercio	62	Max WS	SA_30_cr	15.13	141.31	142.70		143.06	0.008719	2.65	5.71	5.41	0.82
Quercio	62	Max WS	SA_20_cr	13.55	141.31	142.63		142.96	0.008646	2.56	5.29	5.30	0.82
Quercio	61.5	Max WS	SA_200_cr	24.63	141.29	143.06		143.54	0.009129	3.08	8.00	6.11	0.86
Quercio	61.5	Max WS	SA_100_cr	20.71	141.29	142.90		143.34	0.009244	2.95	7.03	5.87	0.86
Quercio	61.5	Max WS	SA_30_cr	15.13	141.29	142.64		143.02	0.009502	2.72	5.56	5.49	0.86
Quercio	61.5	Max WS	SA_20_cr	13.55	141.29	142.56		142.91	0.009603	2.65	5.12	5.37	0.86
Quercio	61	Max WS	SA_200_cr	24.63	141.24	143.22		143.44	0.003067	2.08	11.87	7.00	0.51
Quercio	61	Max WS	SA_100_cr	20.71	141.24	143.05		143.24	0.002937	1.94	10.66	6.87	0.50
Quercio	61	Max WS	SA_30_cr	15.13	141.24	142.77		142.92	0.002745	1.73	8.77	6.65	0.48
Quercio	61	Max WS	SA_20_cr	13.55	141.24	142.68		142.82	0.002687	1.66	8.19	6.58	0.47
Quercio	60	Max WS	SA_200_cr	24.63	141.24	143.21	142.56	143.43	0.001625	2.10	11.73	6.99	0.51
Quercio	60	Max WS	SA_100_cr	20.71	141.24	143.04	142.43	143.23	0.001590	1.96	10.57	6.85	0.50
Quercio	60	Max WS	SA_30_cr	15.13	141.24	142.76	142.20	142.91	0.001516	1.74	8.69	6.64	0.49

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	60	Max WS	SA_20_cr	13.55	141.24	142.67	142.13	142.81	0.001485	1.67	8.11	6.57	0.48
Quercio	59.5			Bridge									
Quercio	59	Max WS	SA_200_cr	24.63	141.18	143.25		143.43	0.001163	1.87	13.14	8.04	0.45
Quercio	59	Max WS	SA_100_cr	20.71	141.18	143.07		143.23	0.001036	1.74	11.92	7.41	0.42
Quercio	59	Max WS	SA_30_cr	15.13	141.18	142.79		142.91	0.000952	1.51	10.00	7.20	0.40
Quercio	59	Max WS	SA_20_cr	13.55	141.18	142.70		142.81	0.000928	1.44	9.40	7.13	0.39
Quercio	58	Max WS	SA_200_cr	24.62	141.16	143.11		143.42	0.004701	2.44	10.08	6.31	0.62
Quercio	58	Max WS	SA_100_cr	20.71	141.16	142.95		143.22	0.004457	2.28	9.08	6.16	0.60
Quercio	58	Max WS	SA_30_cr	15.13	141.16	142.69		142.90	0.004082	2.02	7.50	5.92	0.57
Quercio	58	Max WS	SA_20_cr	13.55	141.16	142.61		142.80	0.003967	1.93	7.01	5.85	0.56
Quercio	57.5	Max WS	SA_200_cr	24.62	141.14	142.92		143.47	0.010567	3.29	7.47	5.46	0.90
Quercio	57.5	Max WS	SA_100_cr	20.71	141.14	142.76		143.26	0.010389	3.12	6.64	5.28	0.89
Quercio	57.5	Max WS	SA_30_cr	15.12	141.14	142.52		142.92	0.010096	2.82	5.36	5.01	0.87
Quercio	57.5	Max WS	SA_20_cr	13.55	141.14	142.44		142.82	0.009999	2.72	4.97	4.93	0.87
Quercio	57	Max WS	SA_200_cr	24.62	141.10	142.88		143.43	0.010398	3.27	7.52	5.50	0.89
Quercio	57	Max WS	SA_100_cr	20.71	141.10	142.73		143.22	0.010207	3.10	6.68	5.33	0.88
Quercio	57	Max WS	SA_30_cr	15.12	141.10	142.48		142.88	0.009896	2.80	5.40	5.05	0.86
Quercio	57	Max WS	SA_20_cr	13.55	141.10	142.40		142.78	0.009774	2.70	5.02	4.96	0.86
Quercio	56.2	Max WS	SA_200_cr	24.62	141.07	142.78	142.75	143.39	0.012073	3.46	7.12	5.40	0.96
Quercio	56.2	Max WS	SA_100_cr	20.70	141.07	142.63	142.59	143.18	0.012034	3.29	6.30	5.23	0.96
Quercio	56.2	Max WS	SA_30_cr	15.12	141.07	142.38	142.34	142.84	0.012036	3.00	5.04	4.95	0.95
Quercio	56.2	Max WS	SA_20_cr	13.55	141.07	142.30	142.27	142.73	0.012038	2.91	4.66	4.87	0.95
Quercio	56.1	Max WS	SA_200_cr	24.62	141.07	142.76		143.23	0.008185	3.06	8.06	6.55	0.88
Quercio	56.1	Max WS	SA_100_cr	20.70	141.07	142.60		143.04	0.008425	2.95	7.02	6.21	0.88
Quercio	56.1	Max WS	SA_30_cr	15.12	141.07	142.34		142.72	0.008877	2.76	5.49	5.67	0.89
Quercio	56.1	Max WS	SA_20_cr	13.55	141.07	142.26		142.62	0.009048	2.69	5.04	5.50	0.90
Quercio	56	Max WS	SA_200_cr	24.62	140.95	142.75		143.16	0.006677	2.85	8.65	6.61	0.79
Quercio	56	Max WS	SA_100_cr	20.70	140.95	142.59		142.97	0.006714	2.72	7.60	6.28	0.79
Quercio	56	Max WS	SA_30_cr	15.12	140.95	142.33		142.65	0.006778	2.51	6.03	5.76	0.78
Quercio	56	Max WS	SA_20_cr	13.55	140.95	142.25		142.55	0.006788	2.44	5.56	5.59	0.78

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	55	Max WS	SA_200_cr	24.61	140.76	142.60		142.99	0.006204	2.77	8.88	6.67	0.77
Quercio	55	Max WS	SA_100_cr	20.70	140.76	142.43		142.79	0.006197	2.64	7.83	6.35	0.76
Quercio	55	Max WS	SA_30_cr	15.11	140.76	142.17		142.47	0.006180	2.43	6.23	5.82	0.75
Quercio	55	Max WS	SA_20_cr	13.55	140.76	142.09		142.37	0.006159	2.35	5.76	5.66	0.74
Quercio	54	Max WS	SA_200_cr	24.61	140.56	142.38		142.78	0.006454	2.81	8.75	6.63	0.78
Quercio	54	Max WS	SA_100_cr	20.69	140.56	142.22		142.58	0.006458	2.68	7.71	6.31	0.78
Quercio	54	Max WS	SA_30_cr	15.10	140.56	141.95		142.26	0.006450	2.46	6.13	5.79	0.76
Quercio	54	Max WS	SA_20_cr	13.55	140.56	141.87		142.16	0.006459	2.39	5.66	5.63	0.76
Quercio	53	Max WS	SA_200_cr	24.60	140.34	142.15		142.56	0.006511	2.82	8.72	6.63	0.78
Quercio	53	Max WS	SA_100_cr	20.68	140.34	141.99		142.36	0.006523	2.69	7.68	6.30	0.78
Quercio	53	Max WS	SA_30_cr	15.09	140.34	141.73		142.04	0.006559	2.48	6.09	5.78	0.77
Quercio	53	Max WS	SA_20_cr	13.55	140.34	141.65		141.94	0.006533	2.40	5.64	5.62	0.77
Quercio	52	Max WS	SA_200_cr	24.59	140.13	141.95		142.35	0.006454	2.81	8.75	6.63	0.78
Quercio	52	Max WS	SA_100_cr	20.67	140.13	141.78		142.15	0.006494	2.69	7.69	6.30	0.78
Quercio	52	Max WS	SA_30_cr	15.08	140.13	141.52		141.83	0.006536	2.47	6.09	5.77	0.77
Quercio	52	Max WS	SA_20_cr	13.55	140.13	141.44		141.73	0.006527	2.40	5.64	5.62	0.76
Quercio	51	Max WS	SA_200_cr	24.59	139.90	141.71		142.12	0.006490	2.82	8.73	6.63	0.78
Quercio	51	Max WS	SA_100_cr	20.66	139.90	141.54		141.92	0.006665	2.71	7.61	6.28	0.79
Quercio	51	Max WS	SA_30_cr	15.06	139.90	141.26		141.59	0.006986	2.53	5.94	5.72	0.79
Quercio	51	Max WS	SA_20_cr	13.55	139.90	141.18		141.49	0.007033	2.47	5.49	5.56	0.79
Quercio	50	Max WS	SA_200_cr	24.59	139.84	141.66		142.06	0.006445	2.81	8.75	6.64	0.78
Quercio	50	Max WS	SA_100_cr	20.66	139.84	141.48		141.85	0.006693	2.72	7.60	6.28	0.79
Quercio	50	Max WS	SA_30_cr	15.06	139.84	141.19		141.53	0.007183	2.56	5.88	5.71	0.80
Quercio	50	Max WS	SA_20_cr	13.55	139.84	141.11		141.43	0.007268	2.50	5.43	5.55	0.81
Quercio	49	Max WS	SA_200_cr	24.59	139.77	141.68		142.00	0.004918	2.52	9.75	7.23	0.69
Quercio	49	Max WS	SA_100_cr	20.66	139.77	141.49		141.79	0.005156	2.45	8.43	6.81	0.70
Quercio	49	Max WS	SA_30_cr	15.06	139.77	141.18		141.46	0.005677	2.33	6.46	6.14	0.72
Quercio	49	Max WS	SA_20_cr	13.55	139.77	141.10		141.36	0.005788	2.28	5.94	5.95	0.73
Quercio	48	Max WS	SA_200_cr	24.59	139.54	141.50		141.83	0.004856	2.53	9.71	6.92	0.68
Quercio	48	Max WS	SA_100_cr	20.60	139.54	141.30		141.61	0.005081	2.46	8.39	6.52	0.69

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	48	Max WS	SA_30_cr	15.06	139.54	140.96		141.25	0.006023	2.40	6.27	5.84	0.74
Quercio	48	Max WS	SA_20_cr	13.54	139.54	140.86		141.15	0.006330	2.37	5.70	5.64	0.75
Quercio	47	Max WS	SA_200_cr	24.53	139.41	141.43		141.73	0.004288	2.42	10.15	7.04	0.64
Quercio	47	Max WS	SA_100_cr	20.54	139.41	141.23		141.51	0.004491	2.35	8.76	6.64	0.65
Quercio	47	Max WS	SA_30_cr	15.04	139.41	140.85		141.13	0.005725	2.36	6.38	5.88	0.72
Quercio	47	Max WS	SA_20_cr	13.54	139.41	140.73		141.02	0.006314	2.37	5.71	5.64	0.75
Quercio	46.1	Max WS	SA_200_cr	24.53	139.38	141.49		141.72	0.002395	2.11	11.63	7.13	0.53
Quercio	46.1	Max WS	SA_100_cr	20.54	139.38	141.29		141.50	0.002378	2.00	10.24	6.72	0.52
Quercio	46.1	Max WS	SA_30_cr	15.06	139.38	140.93		141.12	0.002565	1.89	7.96	6.01	0.52
Quercio	46.1	Max WS	SA_20_cr	13.54	139.38	140.82		141.00	0.002629	1.85	7.31	5.79	0.53
Quercio	46	Max WS	SA_200_cr	24.48	139.38	141.42	140.72	141.71	0.002393	2.40	10.19	5.00	0.54
Quercio	46	Max WS	SA_100_cr	20.54	139.38	141.24	140.58	141.49	0.002152	2.20	9.32	5.00	0.52
Quercio	46	Max WS	SA_30_cr	15.06	139.38	140.91	140.35	141.11	0.001999	1.96	7.66	5.00	0.51
Quercio	46	Max WS	SA_20_cr	13.54	139.38	140.81	140.29	140.99	0.001975	1.90	7.14	5.00	0.51
Quercio	45.5			Bridge									
Quercio	45	Max WS	SA_200_cr	24.48	139.34	141.42		141.70	0.002275	2.36	10.38	5.00	0.52
Quercio	45	Max WS	SA_100_cr	20.54	139.34	141.24		141.48	0.002035	2.16	9.51	5.00	0.50
Quercio	45	Max WS	SA_30_cr	15.06	139.34	140.91		141.10	0.001861	1.92	7.86	5.00	0.49
Quercio	45	Max WS	SA_20_cr	13.54	139.34	140.81		140.98	0.001829	1.85	7.34	5.00	0.49
Quercio	44	Max WS	SA_200_cr	24.48	139.34	141.41		141.65	0.002571	2.16	11.32	7.05	0.54
Quercio	44	Max WS	SA_100_cr	20.54	139.34	141.21		141.43	0.002546	2.05	10.00	6.66	0.54
Quercio	44	Max WS	SA_30_cr	15.04	139.34	140.86		141.05	0.002774	1.94	7.73	5.94	0.54
Quercio	44	Max WS	SA_20_cr	13.53	139.34	140.74		140.93	0.002864	1.91	7.08	5.72	0.55
Quercio	43.5	Max WS	SA_200_cr	24.34	139.31	141.21		141.56	0.005306	2.61	9.33	6.80	0.71
Quercio	43.5	Max WS	SA_100_cr	20.35	139.31	141.01		141.34	0.005681	2.55	7.98	6.39	0.73
Quercio	43.5	Max WS	SA_30_cr	15.03	139.31	140.60		140.98	0.008565	2.73	5.51	5.57	0.87
Quercio	43.5	Max WS	SA_20_cr	13.54	139.31	140.49		140.88	0.009387	2.74	4.95	5.36	0.91
Quercio	43	Max WS	SA_200_cr	24.34	138.91	141.28		141.47	0.002289	1.91	12.73	7.73	0.48
Quercio	43	Max WS	SA_100_cr	20.35	138.91	141.07		141.24	0.002286	1.82	11.16	7.32	0.47
Quercio	43	Max WS	SA_30_cr	15.03	138.91	140.61		140.79	0.003085	1.88	7.99	6.40	0.54

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	43	Max WS	SA_20_cr	13.53	138.91	140.47		140.65	0.003443	1.90	7.11	6.11	0.56
Quercio	42.99			Lat Struct									
Quercio	42.98			Lat Struct									
Quercio	42	Max WS	SA_200_cr	24.19	138.67	141.14		141.30	0.001942	1.80	13.48	7.93	0.44
Quercio	42	Max WS	SA_100_cr	20.14	138.67	140.93		141.07	0.001897	1.70	11.86	7.51	0.43
Quercio	42	Max WS	SA_30_cr	14.77	138.67	140.38		140.55	0.002943	1.84	8.03	6.41	0.52
Quercio	42	Max WS	SA_20_cr	12.12	138.67	140.18		140.34	0.003145	1.79	6.78	6.01	0.54
Quercio	41.5	Max WS	SA_200_cr	24.11	138.50	141.11		141.25	0.001543	1.65	14.61	8.12	0.39
Quercio	41.5	Max WS	SA_100_cr	20.12	138.50	140.90		141.02	0.001496	1.55	12.95	7.80	0.39
Quercio	41.5	Max WS	SA_30_cr	14.63	138.50	140.33		140.47	0.002244	1.66	8.81	6.65	0.46
Quercio	41.5	Max WS	SA_20_cr	11.45	138.50	140.12		140.24	0.002126	1.53	7.51	6.25	0.44
Quercio	41	Max WS	SA_200_cr	21.49	138.49	140.80	140.05	141.15	0.001990	2.63	8.18	6.66	0.55
Quercio	41	Max WS	SA_100_cr	19.84	138.49	140.62	139.96	140.97	0.002213	2.63	7.55	6.31	0.57
Quercio	41	Max WS	SA_30_cr	14.24	138.49	140.04	139.67	140.38	0.003322	2.60	5.48	5.13	0.67
Quercio	41	Max WS	SA_20_cr	10.65	138.49	139.94	139.46	140.16	0.002327	2.08	5.12	4.93	0.55
Quercio	40.5			Bridge									
Quercio	40	Max WS	SA_200_cr	21.03	138.46	140.74		141.08	0.001311	2.61	8.06	6.02	0.55
Quercio	40	Max WS	SA_100_cr	19.56	138.46	140.58		140.92	0.001448	2.61	7.49	5.86	0.57
Quercio	40	Max WS	SA_30_cr	14.24	138.46	140.02		140.36	0.002131	2.58	5.51	5.30	0.66
Quercio	40	Max WS	SA_20_cr	10.65	138.46	139.93		140.14	0.001461	2.05	5.19	5.11	0.54
Quercio	39.99			Lat Struct									
Quercio	39.98			Lat Struct									
Quercio	39	Max WS	SA_200_cr	22.35	138.42	140.93		141.09	0.001380	1.75	12.76	6.41	0.40
Quercio	39	Max WS	SA_100_cr	19.84	138.42	140.76		140.90	0.001385	1.70	11.66	6.25	0.40
Quercio	39	Max WS	SA_30_cr	14.46	138.42	140.17		140.33	0.001959	1.77	8.15	5.66	0.47
Quercio	39	Max WS	SA_20_cr	10.65	138.42	140.01		140.12	0.001460	1.47	7.27	5.50	0.41
Quercio	38.5	Max WS	SA_200_cr	22.26	138.38	140.95		141.08	0.001098	1.61	13.85	6.72	0.36

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	38.5	Max WS	SA_100_cr	19.83	138.38	140.77		140.89	0.001110	1.56	12.68	6.58	0.36
Quercio	38.5	Max WS	SA_30_cr	14.46	138.38	140.18		140.31	0.001519	1.61	8.97	5.99	0.42
Quercio	38.5	Max WS	SA_20_cr	10.64	138.38	140.02		140.11	0.001130	1.33	8.01	5.83	0.36
Quercio	38	Max WS	SA_200_cr	22.94	138.36	140.97	139.53	141.09	0.000344	1.51	15.16	13.15	0.30
Quercio	38	Max WS	SA_100_cr	19.83	138.36	140.79	139.42	140.89	0.000327	1.41	14.10	8.45	0.29
Quercio	38	Max WS	SA_30_cr	14.46	138.36	140.21	139.22	140.30	0.000429	1.34	10.76	7.87	0.32
Quercio	38	Max WS	SA_20_cr	10.64	138.36	140.04	139.06	140.10	0.000322	1.09	9.76	7.70	0.27
Quercio	37.5			Bridge									
Quercio	37	Max WS	SA_200_cr	21.88	138.33	140.94		141.05	0.000358	1.45	15.08	7.23	0.29
Quercio	37	Max WS	SA_100_cr	19.83	138.33	140.77		140.87	0.000372	1.41	14.06	7.09	0.29
Quercio	37	Max WS	SA_30_cr	14.46	138.33	140.20		140.29	0.000475	1.34	10.81	6.74	0.31
Quercio	37	Max WS	SA_20_cr	10.64	138.33	140.04		140.10	0.000352	1.08	9.84	6.72	0.26
Quercio	36.99			Lat Struct									
Quercio	36	Max WS	SA_200_cr	22.27	138.33	140.98		141.06	0.000620	1.28	17.42	7.24	0.26
Quercio	36	Max WS	SA_100_cr	19.82	138.33	140.78		140.86	0.000629	1.24	16.03	7.14	0.26
Quercio	36	Max WS	SA_30_cr	14.45	138.33	140.22		140.29	0.000715	1.19	12.14	6.75	0.28
Quercio	36	Max WS	SA_20_cr	10.63	138.33	140.04		140.09	0.000518	0.97	10.98	6.73	0.24
Quercio	35	Max WS	SA_200_cr	35.79	138.15	140.16		140.84	0.007574	3.65	9.82	5.46	0.87
Quercio	35	Max WS	SA_100_cr	31.51	138.15	140.02		140.64	0.007446	3.49	9.03	5.43	0.86
Quercio	35	Max WS	SA_30_cr	23.30	138.15	139.63		140.21	0.008590	3.35	6.96	5.34	0.94
Quercio	35	Max WS	SA_20_cr	20.83	138.15	139.52	139.48	140.07	0.008923	3.28	6.36	5.32	0.96
Quercio	34	Max WS	SA_200_cr	35.79	138.04	140.20		140.78	0.006079	3.38	10.60	5.49	0.78
Quercio	34	Max WS	SA_100_cr	31.51	138.04	140.05		140.58	0.005855	3.21	9.81	5.45	0.76
Quercio	34	Max WS	SA_30_cr	23.30	138.04	139.63		140.12	0.006807	3.10	7.52	5.35	0.83
Quercio	34	Max WS	SA_20_cr	20.80	138.04	139.50		139.97	0.007115	3.04	6.85	5.32	0.85
Quercio	33	Max WS	SA_200_cr	35.79	137.83	140.21	139.51	140.63	0.002944	2.86	12.51	5.25	0.59
Quercio	33	Max WS	SA_100_cr	31.50	137.83	140.08	139.37	140.44	0.002680	2.67	11.79	5.25	0.57
Quercio	33	Max WS	SA_30_cr	23.27	137.83	139.64	139.09	139.94	0.002654	2.45	9.49	5.25	0.58
Quercio	33	Max WS	SA_20_cr	20.80	137.83	139.50	139.00	139.79	0.002649	2.37	8.77	5.25	0.59

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	32.5			Bridge									
Quercio	32	Max WS	SA_200_cr	35.79	137.79	140.31		140.59	0.001657	2.34	15.26	6.88	0.50
Quercio	32	Max WS	SA_100_cr	31.50	137.79	140.16		140.41	0.001555	2.21	14.24	6.79	0.49
Quercio	32	Max WS	SA_30_cr	23.29	137.79	139.71		139.93	0.001636	2.07	11.24	6.49	0.50
Quercio	32	Max WS	SA_20_cr	20.80	137.79	139.56		139.77	0.001667	2.02	10.31	6.40	0.51
Quercio	30	Max WS	SA_200_cr	34.64	137.58	140.02		140.48	0.004186	3.01	11.52	5.61	0.67
Quercio	30	Max WS	SA_100_cr	31.49	137.58	139.90		140.33	0.004077	2.91	10.84	5.54	0.66
Quercio	30	Max WS	SA_30_cr	23.27	137.58	139.46		139.84	0.004403	2.76	8.44	5.28	0.70
Quercio	30	Max WS	SA_20_cr	20.80	137.58	139.31		139.69	0.004544	2.70	7.70	5.17	0.71
Quercio	29	Max WS	SA_200_cr	34.62	137.35	139.66		140.35	0.007430	3.68	9.40	5.08	0.86
Quercio	29	Max WS	SA_100_cr	31.48	137.35	139.55		140.19	0.007246	3.56	8.85	5.02	0.86
Quercio	29	Max WS	SA_30_cr	23.27	137.35	139.12		139.71	0.007749	3.41	6.82	4.52	0.89
Quercio	29	Max WS	SA_20_cr	20.79	137.35	138.98		139.55	0.007943	3.34	6.22	4.43	0.90
Quercio	28.99			Lat Struct									
Quercio	28	Max WS	SA_200_cr	34.55	137.12	139.73		140.19	0.004124	3.00	11.52	5.29	0.65
Quercio	28	Max WS	SA_100_cr	31.46	137.12	139.62		140.04	0.003927	2.88	10.94	5.26	0.64
Quercio	28	Max WS	SA_30_cr	23.26	137.12	139.16		139.54	0.004094	2.71	8.60	4.94	0.65
Quercio	28	Max WS	SA_20_cr	20.79	137.12	139.01		139.37	0.004162	2.64	7.86	4.83	0.66
Quercio	27	Max WS	SA_200_cr	35.75	137.09	139.55		140.17	0.006196	3.48	10.27	4.47	0.73
Quercio	27	Max WS	SA_100_cr	31.46	137.09	139.43		139.96	0.005538	3.23	9.73	4.44	0.70
Quercio	27	Max WS	SA_30_cr	23.26	137.09	139.01		139.46	0.005300	2.95	7.89	4.34	0.70
Quercio	27	Max WS	SA_20_cr	20.79	137.09	138.87		139.29	0.005247	2.85	7.29	4.31	0.70
Quercio	26	Max WS	SA_200_cr	35.75	136.92	139.40		140.02	0.006318	3.48	10.29	4.52	0.74
Quercio	26	Max WS	SA_100_cr	31.46	136.92	139.32		139.83	0.005401	3.17	9.91	4.50	0.68
Quercio	26	Max WS	SA_30_cr	23.26	136.92	138.91		139.33	0.005122	2.88	8.08	4.41	0.68
Quercio	26	Max WS	SA_20_cr	20.78	136.92	138.77		139.17	0.005057	2.78	7.47	4.38	0.68
Quercio	25	Max WS	SA_200_cr	35.41	136.80	139.44		139.92	0.004424	3.04	11.64	4.98	0.64
Quercio	25	Max WS	SA_100_cr	31.44	136.80	139.33		139.74	0.004003	2.84	11.05	4.98	0.61
Quercio	25	Max WS	SA_30_cr	23.26	136.80	138.90		139.24	0.003905	2.60	8.93	4.83	0.61
Quercio	25	Max WS	SA_20_cr	20.78	136.80	138.75		139.08	0.003883	2.52	8.24	4.78	0.61

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	24	Max WS	SA_200_cr	34.77	136.58	139.09		139.77	0.007384	3.64	9.54	4.15	0.77
Quercio	24	Max WS	SA_100_cr	31.42	136.58	138.97		139.58	0.006981	3.48	9.02	4.12	0.75
Quercio	24	Max WS	SA_30_cr	23.26	136.58	138.61		139.09	0.006105	3.07	7.57	4.05	0.72
Quercio	24	Max WS	SA_20_cr	20.77	136.58	138.49		138.93	0.005799	2.93	7.10	4.02	0.70
Quercio	23.5	Max WS	SA_200_cr	34.77	136.55	138.89		139.83	0.011384	4.28	8.12	3.77	0.93
Quercio	23.5	Max WS	SA_100_cr	31.41	136.55	138.76		139.63	0.010937	4.12	7.63	3.75	0.92
Quercio	23.5	Max WS	SA_30_cr	23.26	136.55	138.41		139.10	0.009844	3.67	6.33	3.68	0.89
Quercio	23.5	Max WS	SA_20_cr	20.77	136.55	138.30		138.93	0.009424	3.51	5.91	3.65	0.88
Quercio	23	Max WS	SA_200_cr	34.77	136.48	138.80	138.80	139.84	0.013387	4.51	7.70	3.72	1.00
Quercio	23	Max WS	SA_100_cr	31.41	136.48	138.67	138.66	139.64	0.013009	4.35	7.21	3.69	0.99
Quercio	23	Max WS	SA_30_cr	23.26	136.48	138.32	138.30	139.10	0.012122	3.93	5.92	3.62	0.98
Quercio	23	Max WS	SA_20_cr	20.77	136.48	138.20	138.17	138.93	0.011790	3.77	5.50	3.60	0.97
Quercio	21	Max WS	SA_200_cr	34.77	136.38	138.66		139.59	0.011044	4.28	8.13	3.78	0.93
Quercio	21	Max WS	SA_100_cr	31.41	136.38	138.54		139.39	0.010487	4.10	7.67	3.78	0.92
Quercio	21	Max WS	SA_30_cr	23.25	136.38	138.21		138.87	0.009074	3.60	6.45	3.71	0.87
Quercio	21	Max WS	SA_20_cr	20.76	136.38	138.11		138.70	0.008500	3.42	6.08	3.69	0.85
Quercio	20	Max WS	SA_200_cr	34.77	136.36	138.72		139.30	0.007848	3.37	10.32	5.74	0.80
Quercio	20	Max WS	SA_100_cr	31.41	136.36	138.61		139.15	0.007577	3.24	9.69	5.61	0.79
Quercio	20	Max WS	SA_30_cr	23.25	136.36	138.27		138.72	0.007311	2.96	7.85	5.22	0.77
Quercio	20	Max WS	SA_20_cr	20.76	136.36	138.16		138.57	0.007195	2.86	7.27	5.09	0.76
Quercio	19	Max WS	SA_200_cr	34.77	136.19	138.49		139.11	0.008609	3.49	9.97	5.67	0.84
Quercio	19	Max WS	SA_100_cr	31.41	136.19	138.40		138.96	0.008063	3.32	9.47	5.57	0.81
Quercio	19	Max WS	SA_30_cr	23.23	136.19	138.08		138.54	0.007538	2.99	7.76	5.20	0.78
Quercio	19	Max WS	SA_20_cr	20.76	136.19	137.98		138.40	0.007311	2.87	7.22	5.08	0.77
Quercio	18	Max WS	SA_200_cr	34.77	136.14	138.53		138.90	0.004579	2.71	12.83	7.75	0.67
Quercio	18	Max WS	SA_100_cr	31.40	136.14	138.44		138.78	0.004322	2.58	12.15	7.58	0.65
Quercio	18	Max WS	SA_30_cr	23.23	136.14	138.07		138.38	0.004579	2.44	9.52	6.85	0.66
Quercio	18	Max WS	SA_20_cr	20.75	136.14	137.95		138.24	0.004657	2.38	8.71	6.61	0.66
Quercio	17.99			Lat Struct									

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	17.98			Lat Struct									
Quercio	17	Max WS	SA_200_cr	34.77	135.86	138.34		138.68	0.003896	2.55	13.62	7.97	0.62
Quercio	17	Max WS	SA_100_cr	31.37	135.86	138.28		138.57	0.003507	2.39	13.12	7.84	0.59
Quercio	17	Max WS	SA_30_cr	23.22	135.86	137.90		138.16	0.003720	2.26	10.28	7.08	0.60
Quercio	17	Max WS	SA_20_cr	20.74	135.86	137.77		138.02	0.003774	2.21	9.40	6.83	0.60
Quercio	16	Max WS	SA_200_cr	34.14	135.67	138.29		138.62	0.002982	2.53	13.47	7.00	0.58
Quercio	16	Max WS	SA_100_cr	31.36	135.67	138.21		138.51	0.002860	2.43	12.88	7.00	0.57
Quercio	16	Max WS	SA_30_cr	23.22	135.67	137.84		138.10	0.002894	2.24	10.35	6.66	0.57
Quercio	16	Max WS	SA_20_cr	20.74	135.67	137.72		137.96	0.002907	2.17	9.54	6.54	0.57
Quercio	15	Max WS	SA_200_cr	33.78	135.62	138.03		138.56	0.005458	3.25	10.39	5.61	0.76
Quercio	15	Max WS	SA_100_cr	31.33	135.62	137.94		138.45	0.005347	3.17	9.90	5.52	0.75
Quercio	15	Max WS	SA_30_cr	23.22	135.62	137.62		138.03	0.004879	2.83	8.20	5.20	0.72
Quercio	15	Max WS	SA_20_cr	20.74	135.62	137.52		137.89	0.004655	2.70	7.67	5.10	0.70
Quercio	14	Max WS	SA_200_cr	33.78	135.57	137.84		138.46	0.006672	3.51	9.64	5.47	0.84
Quercio	14	Max WS	SA_100_cr	31.33	135.57	137.75		138.35	0.006533	3.41	9.18	5.38	0.83
Quercio	14	Max WS	SA_30_cr	23.22	135.57	137.46		137.93	0.005861	3.03	7.66	5.09	0.79
Quercio	14	Max WS	SA_20_cr	20.73	135.57	137.37		137.79	0.005494	2.87	7.21	5.00	0.76
Quercio	13	Max WS	SA_200_cr	33.78	135.52	137.65		138.39	0.008266	3.80	8.90	5.33	0.94
Quercio	13	Max WS	SA_100_cr	31.33	135.52	137.57		138.27	0.008173	3.71	8.45	5.25	0.93
Quercio	13	Max WS	SA_30_cr	23.22	135.52	137.28		137.84	0.007563	3.33	6.97	4.96	0.90
Quercio	13	Max WS	SA_20_cr	20.73	135.52	137.20		137.70	0.007091	3.16	6.57	4.88	0.87
Quercio	12	Max WS	SA_200_cr	33.63	135.47	137.60		138.17	0.006517	3.33	10.10	6.62	0.86
Quercio	12	Max WS	SA_100_cr	31.33	135.47	137.51		138.06	0.006703	3.29	9.51	6.53	0.87
Quercio	12	Max WS	SA_30_cr	23.22	135.47	137.20		137.69	0.007134	3.08	7.54	6.23	0.89
Quercio	12	Max WS	SA_20_cr	20.72	135.47	137.10		137.56	0.007298	2.99	6.92	6.13	0.90
Quercio	11	Max WS	SA_200_cr	33.57	135.31	137.66		138.02	0.004544	2.68	12.53	7.69	0.67
Quercio	11	Max WS	SA_100_cr	31.28	135.31	137.55		137.91	0.004697	2.66	11.75	7.48	0.68
Quercio	11	Max WS	SA_30_cr	23.19	135.31	137.21		137.53	0.004860	2.49	9.30	6.80	0.68
Quercio	11	Max WS	SA_20_cr	20.72	135.31	137.10		137.40	0.004878	2.42	8.55	6.57	0.68
Quercio	10	Max WS	SA_200_cr	33.49	135.05	137.44		137.79	0.004170	2.59	12.92	7.79	0.64

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	10	Max WS	SA_100_cr	31.06	135.05	137.32		137.67	0.004384	2.59	11.99	7.55	0.66
Quercio	10	Max WS	SA_30_cr	23.12	135.05	136.96		137.27	0.004752	2.47	9.36	6.81	0.67
Quercio	10	Max WS	SA_20_cr	20.67	135.05	136.84		137.14	0.004795	2.41	8.59	6.58	0.67
Quercio	09.1	Max WS	SA_200_cr	33.39	134.93	137.36		137.69	0.003945	2.54	13.16	7.85	0.63
Quercio	09.1	Max WS	SA_100_cr	31.06	134.93	137.23		137.56	0.004225	2.56	12.16	7.59	0.64
Quercio	09.1	Max WS	SA_30_cr	22.77	134.93	136.85		137.15	0.004538	2.42	9.41	6.83	0.66
Quercio	09.1	Max WS	SA_20_cr	20.51	134.93	136.73		137.02	0.004669	2.38	8.62	6.59	0.66
Quercio	09	Max WS	SA_200_cr	33.39	134.81	137.28		137.59	0.003659	2.47	13.53	7.95	0.60
Quercio	09	Max WS	SA_100_cr	30.91	134.81	137.15		137.46	0.003925	2.48	12.45	7.67	0.62
Quercio	09	Max WS	SA_30_cr	21.63	134.81	136.76		137.02	0.003820	2.24	9.66	6.90	0.60
Quercio	09	Max WS	SA_20_cr	19.59	134.81	136.63		136.89	0.004054	2.23	8.78	6.64	0.62
Quercio	08	Max WS	SA_200_cr	33.29	134.54	137.15		137.41	0.002943	2.27	14.64	8.22	0.54
Quercio	08	Max WS	SA_100_cr	30.90	134.54	136.99		137.26	0.003226	2.31	13.38	7.91	0.57
Quercio	08	Max WS	SA_30_cr	20.42	134.54	136.63		136.82	0.002581	1.91	10.69	7.20	0.50
Quercio	08	Max WS	SA_20_cr	17.98	134.54	136.50		136.67	0.002569	1.84	9.75	6.93	0.50
Quercio	07.1	Max WS	SA_200_cr	33.28	134.44	137.08		137.33	0.002807	2.23	14.90	8.30	0.53
Quercio	07.1	Max WS	SA_100_cr	30.75	134.44	136.91		137.18	0.003084	2.27	13.56	7.97	0.55
Quercio	07.1	Max WS	SA_30_cr	19.78	134.44	136.58		136.75	0.002229	1.79	11.03	7.30	0.47
Quercio	07.1	Max WS	SA_20_cr	17.42	134.44	136.45		136.60	0.002206	1.73	10.08	7.03	0.46
Quercio	07	Max WS	SA_200_cr	33.28	134.26	137.05		137.26	0.002286	2.07	16.08	8.54	0.48
Quercio	07	Max WS	SA_100_cr	30.74	134.26	136.88		137.10	0.002497	2.10	14.66	8.21	0.50
Quercio	07	Max WS	SA_30_cr	19.77	134.26	136.56		136.69	0.001712	1.63	12.15	7.57	0.41
Quercio	07	Max WS	SA_20_cr	17.42	134.26	136.43		136.55	0.001669	1.56	11.17	7.31	0.40
Quercio	06	Max WS	SA_200_cr	33.27	133.92	136.96		137.12	0.001809	1.80	18.45	10.39	0.43
Quercio	06	Max WS	SA_100_cr	30.74	133.92	136.78		136.95	0.001810	1.84	16.74	8.98	0.43
Quercio	06	Max WS	SA_30_cr	19.11	133.92	136.51		136.60	0.001008	1.32	14.43	8.17	0.32
Quercio	06	Max WS	SA_20_cr	16.81	133.92	136.37		136.46	0.000957	1.26	13.38	7.91	0.31
Quercio	05.8	Max WS	SA_200_cr	44.98	133.89	136.80		136.97	0.001392	1.83	24.59	10.18	0.38
Quercio	05.8	Max WS	SA_100_cr	40.62	133.89	136.66		136.81	0.001347	1.76	23.12	10.01	0.37
Quercio	05.8	Max WS	SA_30_cr	31.46	133.89	136.34		136.46	0.001211	1.57	19.99	9.63	0.35
Quercio	05.8	Max WS	SA_20_cr	28.03	133.89	136.22		136.33	0.001129	1.48	18.88	9.49	0.34

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	05.5	Max WS	SA_200_cr	44.98	133.85	136.35		136.96	0.007484	3.45	13.02	7.74	0.85
Quercio	05.5	Max WS	SA_100_cr	40.61	133.85	136.21		136.80	0.007596	3.39	11.97	7.41	0.85
Quercio	05.5	Max WS	SA_30_cr	31.46	133.85	135.92		136.43	0.007487	3.18	9.90	6.69	0.83
Quercio	05.5	Max WS	SA_20_cr	28.03	133.85	135.82		136.29	0.007065	3.02	9.27	6.46	0.81
Quercio	05	Max WS	SA_200_cr	44.98	133.46	136.35		136.73	0.003928	2.72	16.51	8.62	0.63
Quercio	05	Max WS	SA_100_cr	40.59	133.46	136.21		136.57	0.003910	2.65	15.31	8.32	0.62
Quercio	05	Max WS	SA_30_cr	31.46	133.46	135.92		136.22	0.003645	2.42	12.98	7.71	0.60
Quercio	05	Max WS	SA_20_cr	28.02	133.46	135.83		136.10	0.003332	2.28	12.31	7.52	0.57
Quercio	04.8	Max WS	SA_200_cr	44.98	133.44	136.31		136.67	0.003554	2.64	17.04	8.66	0.60
Quercio	04.8	Max WS	SA_100_cr	40.59	133.44	136.17		136.51	0.003519	2.56	15.84	8.40	0.60
Quercio	04.8	Max WS	SA_30_cr	31.46	133.44	135.89		136.16	0.003242	2.33	13.52	7.85	0.57
Quercio	04.8	Max WS	SA_20_cr	28.02	133.44	135.80		136.04	0.002936	2.18	12.87	7.69	0.54
Quercio	04.6	Max WS	SA_200_cr	44.97	133.44	136.02		136.60	0.006789	3.37	13.35	7.09	0.78
Quercio	04.6	Max WS	SA_100_cr	40.59	133.44	135.90		136.44	0.006620	3.25	12.49	6.91	0.77
Quercio	04.6	Max WS	SA_30_cr	31.46	133.44	135.67		136.09	0.005665	2.87	10.95	6.57	0.71
Quercio	04.6	Max WS	SA_20_cr	28.02	133.44	135.63		135.98	0.004814	2.63	10.67	6.50	0.65
Quercio	04.5	Max WS	SA_200_cr	44.97	133.43	136.07		136.49	0.004489	2.87	15.68	8.58	0.68
Quercio	04.5	Max WS	SA_100_cr	40.59	133.43	135.94		136.33	0.004462	2.79	14.56	8.32	0.67
Quercio	04.5	Max WS	SA_30_cr	31.46	133.43	135.69		136.01	0.004022	2.51	12.53	7.81	0.63
Quercio	04.5	Max WS	SA_20_cr	28.01	133.43	135.64		135.91	0.003453	2.30	12.17	7.72	0.59
Quercio	04	Max WS	SA_200_cr	44.97	133.43	135.97	136.10	137.44	0.007544	5.38	8.36	8.37	1.08
Quercio	04	Max WS	SA_100_cr	40.59	133.43	135.84	135.92	137.17	0.007292	5.11	7.94	8.12	1.05
Quercio	04	Max WS	SA_30_cr	31.46	133.43	135.54	135.53	136.58	0.006776	4.52	6.96	7.52	0.99
Quercio	04	Max WS	SA_20_cr	28.02	133.43	135.41	135.38	136.35	0.006672	4.29	6.53	7.26	0.97
Quercio	03.6	Max WS	SA_200_cr	44.97	133.43	135.96	135.86	137.07	0.009516	4.68	9.61	3.80	0.94
Quercio	03.6	Max WS	SA_100_cr	40.59	133.43	135.83	135.69	136.84	0.008848	4.45	9.13	3.80	0.92
Quercio	03.6	Max WS	SA_30_cr	31.46	133.43	135.56	135.34	136.33	0.007287	3.89	8.09	3.80	0.85
Quercio	03.6	Max WS	SA_20_cr	28.01	133.43	135.47	135.20	136.13	0.006469	3.62	7.75	3.80	0.81
Quercio	03.5			Bridge									

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

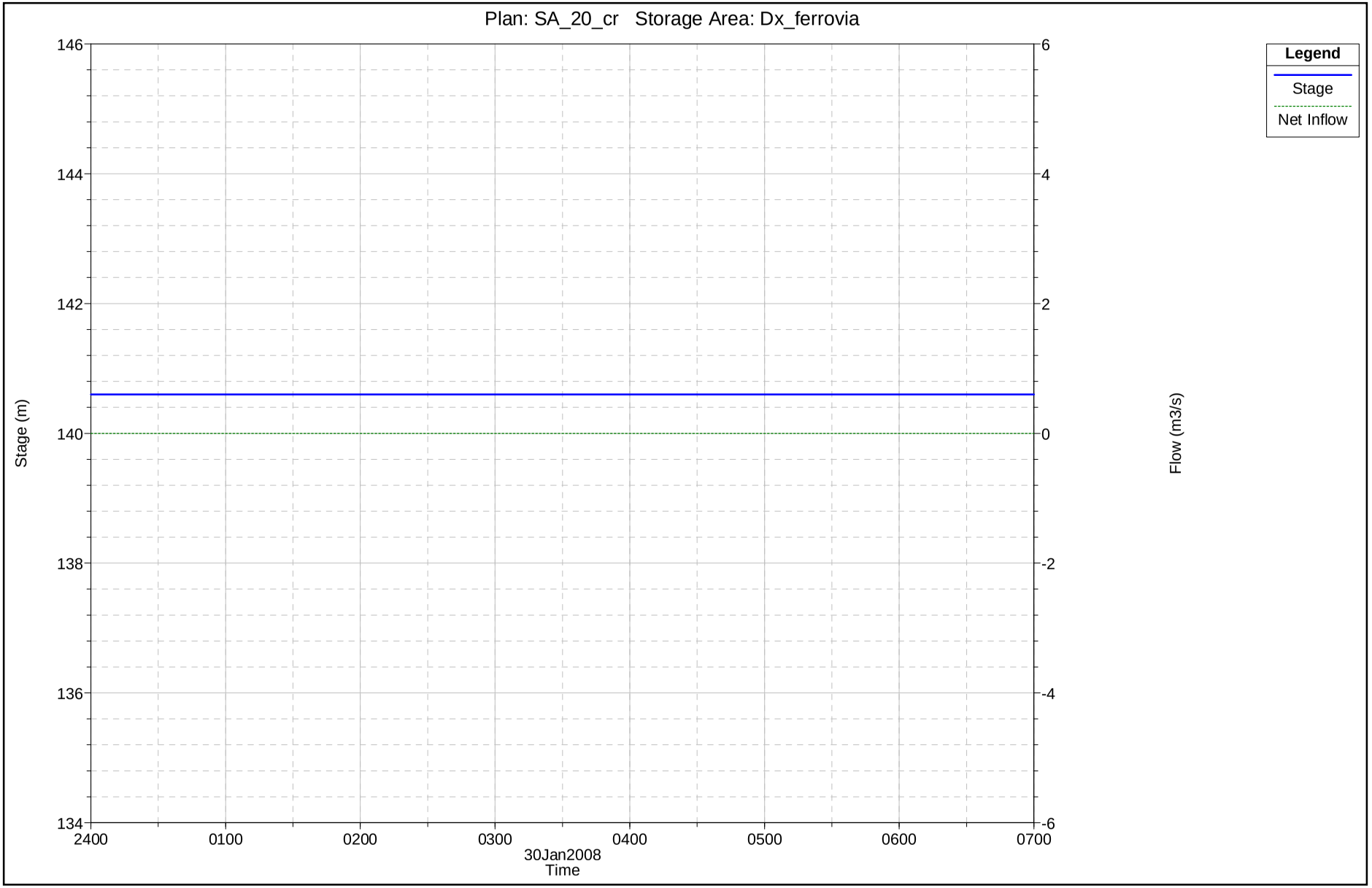
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Quercio	03.4	Max WS	SA_200_cr	44.97	133.43	135.94	135.86	137.07	0.009662	4.71	9.55	3.80	0.95
Quercio	03.4	Max WS	SA_100_cr	40.59	133.43	135.81		136.84	0.009010	4.48	9.06	3.80	0.93
Quercio	03.4	Max WS	SA_30_cr	31.45	133.43	135.54		136.32	0.007443	3.92	8.02	3.80	0.86
Quercio	03.4	Max WS	SA_20_cr	28.01	133.43	135.45		136.13	0.006599	3.64	7.69	3.80	0.82
Quercio	03	Max WS	SA_200_cr	44.96	133.43	136.43		136.72	0.002950	2.41	18.70	10.29	0.55
Quercio	03	Max WS	SA_100_cr	40.59	133.43	136.31		136.58	0.002632	2.30	17.67	8.74	0.52
Quercio	03	Max WS	SA_30_cr	31.45	133.43	136.00		136.22	0.002439	2.10	14.99	8.09	0.49
Quercio	03	Max WS	SA_20_cr	28.02	133.43	135.87		136.07	0.002349	2.01	13.96	7.86	0.48
Quercio	2.9			Lat Struct									
Quercio	2.8			Lat Struct									
Quercio	02	Max WS	SA_200_cr	44.88	133.43	135.82		136.49	0.008276	3.64	12.33	7.09	0.88
Quercio	02	Max WS	SA_100_cr	40.56	133.43	135.76		136.35	0.007409	3.40	11.92	7.00	0.83
Quercio	02	Max WS	SA_30_cr	31.45	133.43	135.51		135.99	0.006704	3.07	10.25	6.60	0.79
Quercio	02	Max WS	SA_20_cr	28.01	133.43	135.42		135.85	0.006266	2.90	9.65	6.45	0.76
Quercio	01.9	Max WS	SA_200_cr	7.99	133.42	135.75		135.78	0.000318	0.70	11.48	6.84	0.17
Quercio	01.9	Max WS	SA_100_cr	40.59	133.42	135.66	135.58	136.37	0.009658	3.75	10.82	6.67	0.94
Quercio	01.9	Max WS	SA_30_cr	31.45	133.42	135.40		136.00	0.009165	3.44	9.13	6.25	0.91
Quercio	01.9	Max WS	SA_20_cr	28.01	133.42	135.30		135.85	0.008741	3.28	8.53	6.09	0.89
Quercio	01.8	Max WS	SA_200_cr	7.99	133.41	135.76		135.78	0.000255	0.64	12.57	7.71	0.16
Quercio	01.8	Max WS	SA_100_cr	32.51	133.41	135.67		136.05	0.004919	2.73	11.89	7.53	0.69
Quercio	01.8	Max WS	SA_30_cr	31.45	133.41	135.42		135.91	0.007227	3.13	10.06	7.03	0.83
Quercio	01.8	Max WS	SA_20_cr	28.01	133.41	135.33		135.78	0.006824	2.97	9.44	6.85	0.81
Quercio	01.7	Max WS	SA_200_cr	7.99	133.41	135.76		135.78	0.000250	0.61	13.07	8.41	0.16
Quercio	01.7	Max WS	SA_100_cr	32.51	133.41	135.67		136.02	0.004876	2.64	12.32	8.22	0.69
Quercio	01.7	Max WS	SA_30_cr	31.45	133.41	135.37		135.88	0.008274	3.16	9.94	7.61	0.88
Quercio	01.7	Max WS	SA_20_cr	28.01	133.41	135.27		135.74	0.008119	3.04	9.21	7.41	0.87
Quercio	01.6	Max WS	SA_200_cr	7.99	133.40	135.75		135.78	0.000306	0.69	11.65	6.91	0.17
Quercio	01.6	Max WS	SA_100_cr	40.59	133.40	135.57	135.56	136.34	0.010695	3.90	10.42	6.61	0.99
Quercio	01.6	Max WS	SA_30_cr	31.45	133.40	135.29	135.27	135.96	0.010706	3.65	8.62	6.14	0.98
Quercio	01.6	Max WS	SA_20_cr	28.01	133.40	135.18	135.15	135.81	0.010545	3.52	7.96	5.96	0.97

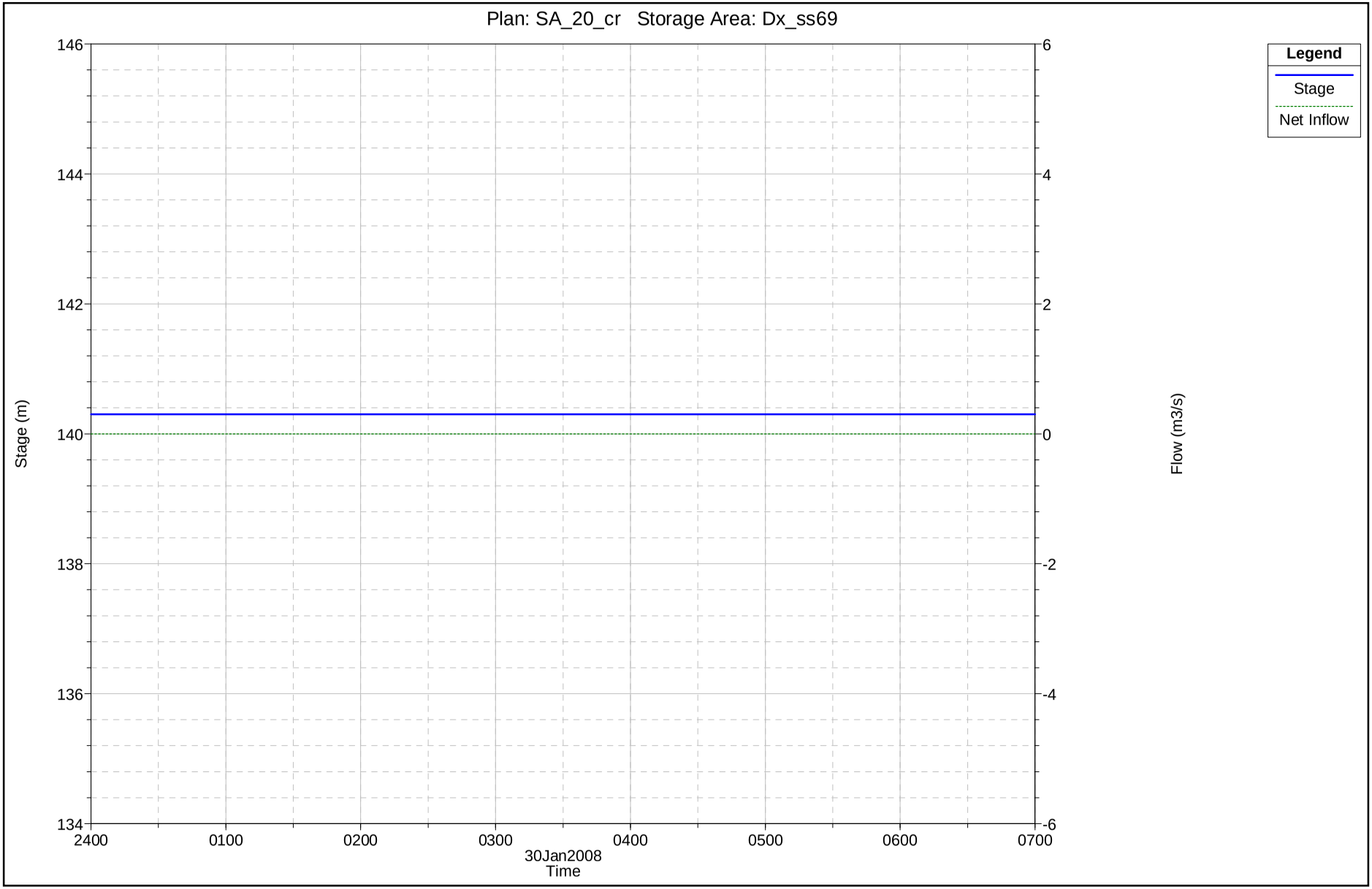
HEC-RAS River: Quercio Reach: Quercio Profile: Max WS (Continued)

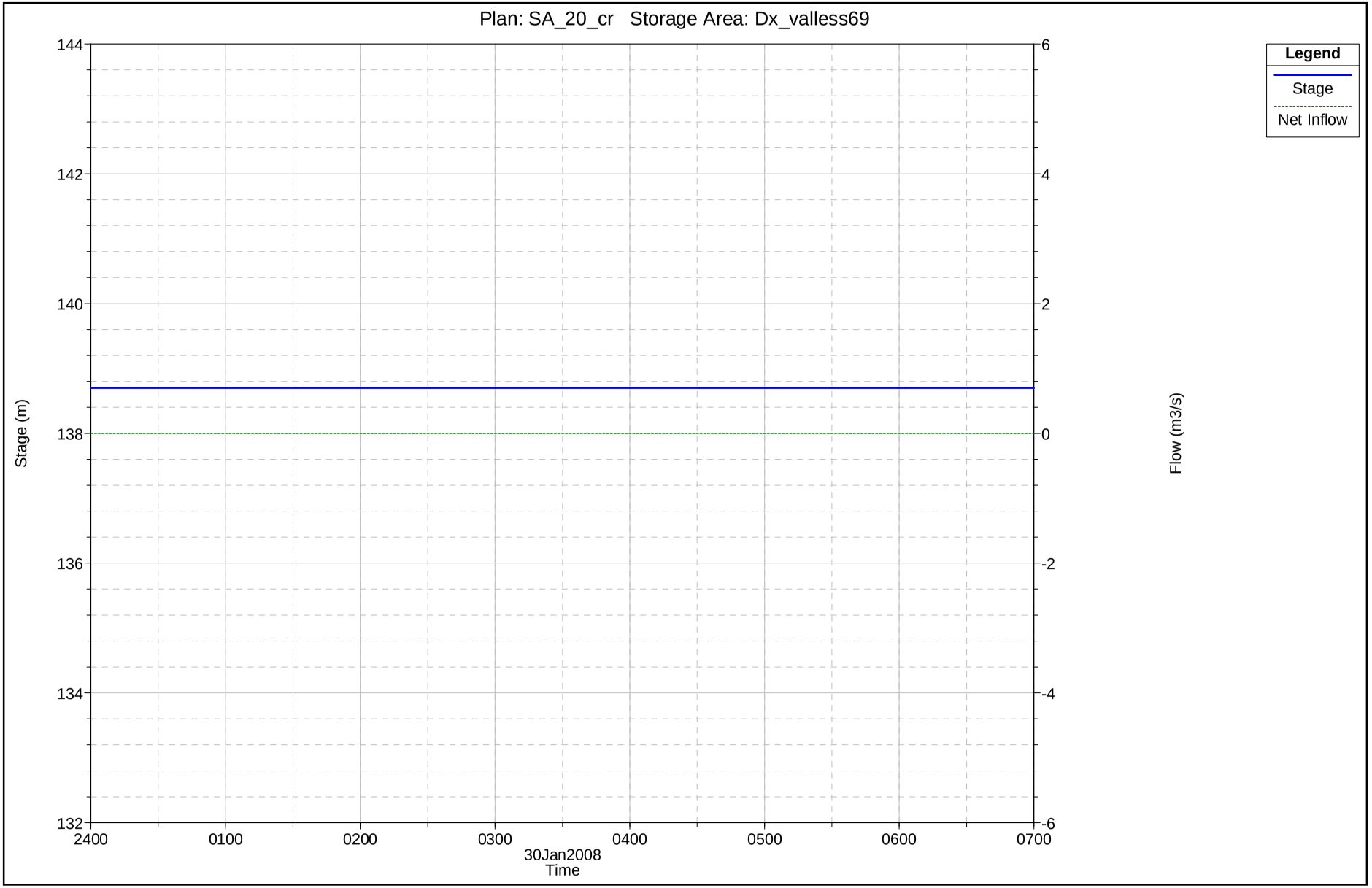
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Quercio	01.5	Max WS	SA_200_cr	7.99	133.40	135.75		135.77	0.000309	0.69	11.61	6.88	0.17
Quercio	01.5	Max WS	SA_100_cr	40.59	133.40	135.51	135.56	136.35	0.011944	4.06	10.00	6.48	1.04
Quercio	01.5	Max WS	SA_30_cr	31.45	133.40	135.23	135.27	135.97	0.012133	3.82	8.23	6.02	1.04
Quercio	01.5	Max WS	SA_20_cr	28.01	133.40	135.12	135.15	135.81	0.012000	3.69	7.59	5.84	1.03
Quercio	01.4	Max WS	SA_200_cr	7.99	133.40	135.75		135.77	0.000305	0.68	11.67	6.94	0.17
Quercio	01.4	Max WS	SA_100_cr	40.59	133.40	135.44	135.56	136.35	0.013307	4.22	9.61	6.43	1.10
Quercio	01.4	Max WS	SA_30_cr	31.45	133.40	135.16	135.27	135.97	0.013805	4.00	7.86	5.95	1.11
Quercio	01.4	Max WS	SA_20_cr	28.01	133.40	135.05	135.15	135.81	0.013771	3.88	7.23	5.77	1.11
Quercio	01.3	Max WS	SA_200_cr	7.99	133.39	135.75		135.77	0.000295	0.68	11.83	7.04	0.17
Quercio	01.3	Max WS	SA_100_cr	40.59	133.39	135.36	135.54	136.34	0.014763	4.38	9.26	6.38	1.16
Quercio	01.3	Max WS	SA_30_cr	31.44	133.39	135.08	135.25	135.97	0.015752	4.19	7.50	5.89	1.19
Quercio	01.3	Max WS	SA_20_cr	28.01	133.39	134.97	135.13	135.82	0.015852	4.07	6.87	5.71	1.19
Quercio	01.2	Max WS	SA_200_cr	7.99	133.39	135.75		135.77	0.000294	0.67	11.85	7.06	0.17
Quercio	01.2	Max WS	SA_100_cr	40.59	133.39	135.28	135.54	136.38	0.017312	4.64	8.74	6.25	1.25
Quercio	01.2	Max WS	SA_30_cr	31.44	133.39	134.98	135.25	136.02	0.019295	4.52	6.96	5.75	1.31
Quercio	01.2	Max WS	SA_20_cr	28.01	133.39	134.87	135.13	135.87	0.019748	4.41	6.35	5.56	1.32
Quercio	01.1	Max WS	SA_200_cr	7.97	133.38	135.74		135.77	0.000415	0.70	11.43	8.61	0.19
Quercio	01.1	Max WS	SA_100_cr	7.97	133.38	135.24		135.29	0.000847	0.99	8.05	5.76	0.27
Quercio	01.1	Max WS	SA_30_cr	31.44	133.38	134.85	135.31	136.28	0.029741	5.30	5.94	5.07	1.56
Quercio	01.1	Max WS	SA_20_cr	28.01	133.38	134.74	135.17	136.12	0.031146	5.22	5.37	4.91	1.59
Quercio	01	Max WS	SA_200_cr	7.97	133.38	135.74	134.22	135.76	0.000417	0.70	11.41	8.61	0.19
Quercio	01	Max WS	SA_100_cr	7.97	133.38	135.24	134.22	135.29	0.000854	0.99	8.02	5.75	0.27
Quercio	01	Max WS	SA_30_cr	7.99	133.38	134.33	134.22	134.60	0.008474	2.29	3.49	4.34	0.82
Quercio	01	Max WS	SA_20_cr	7.99	133.38	134.33	134.22	134.60	0.008474	2.29	3.49	4.34	0.82

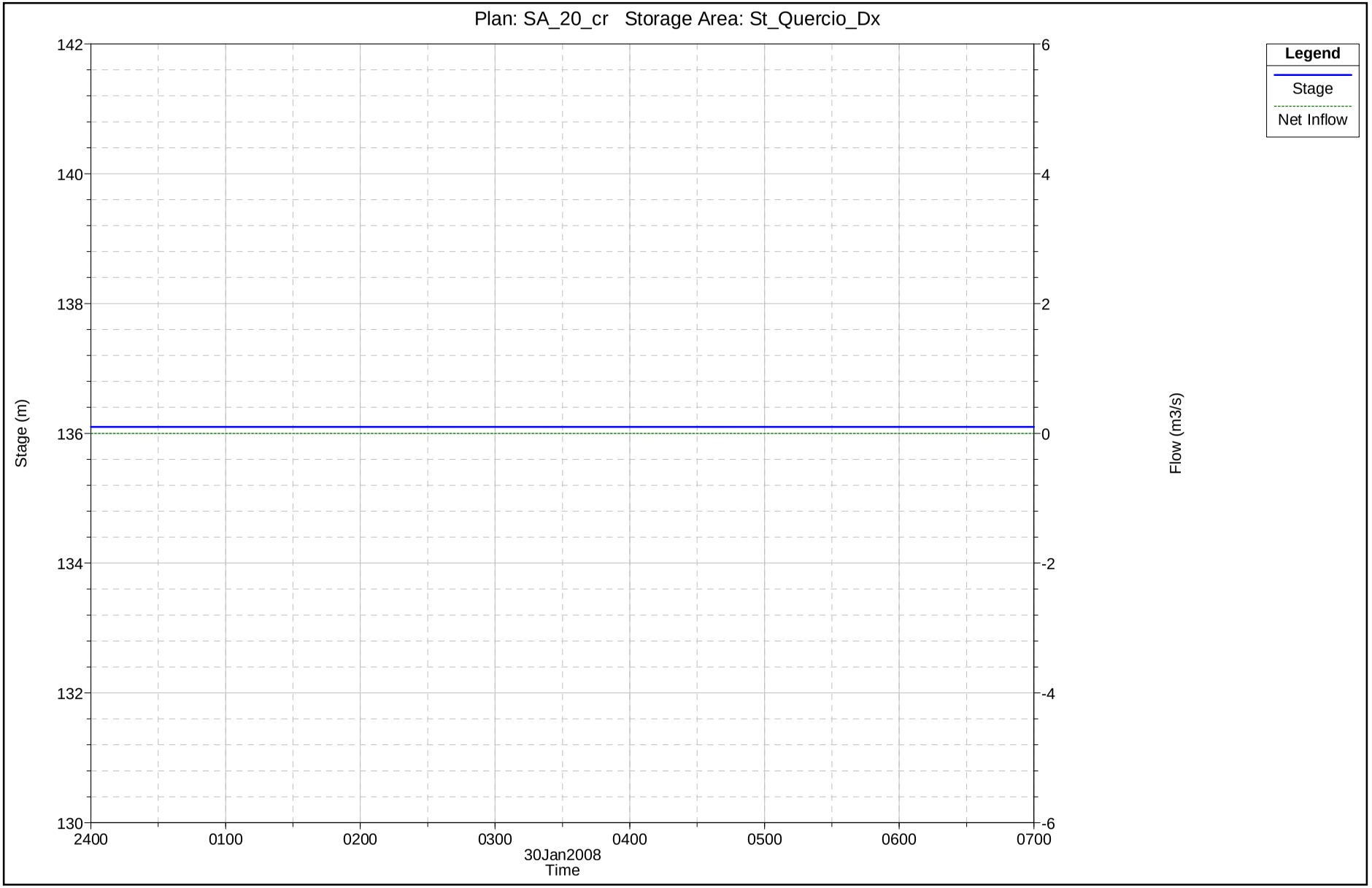
HEC-RAS Profile: Max WS

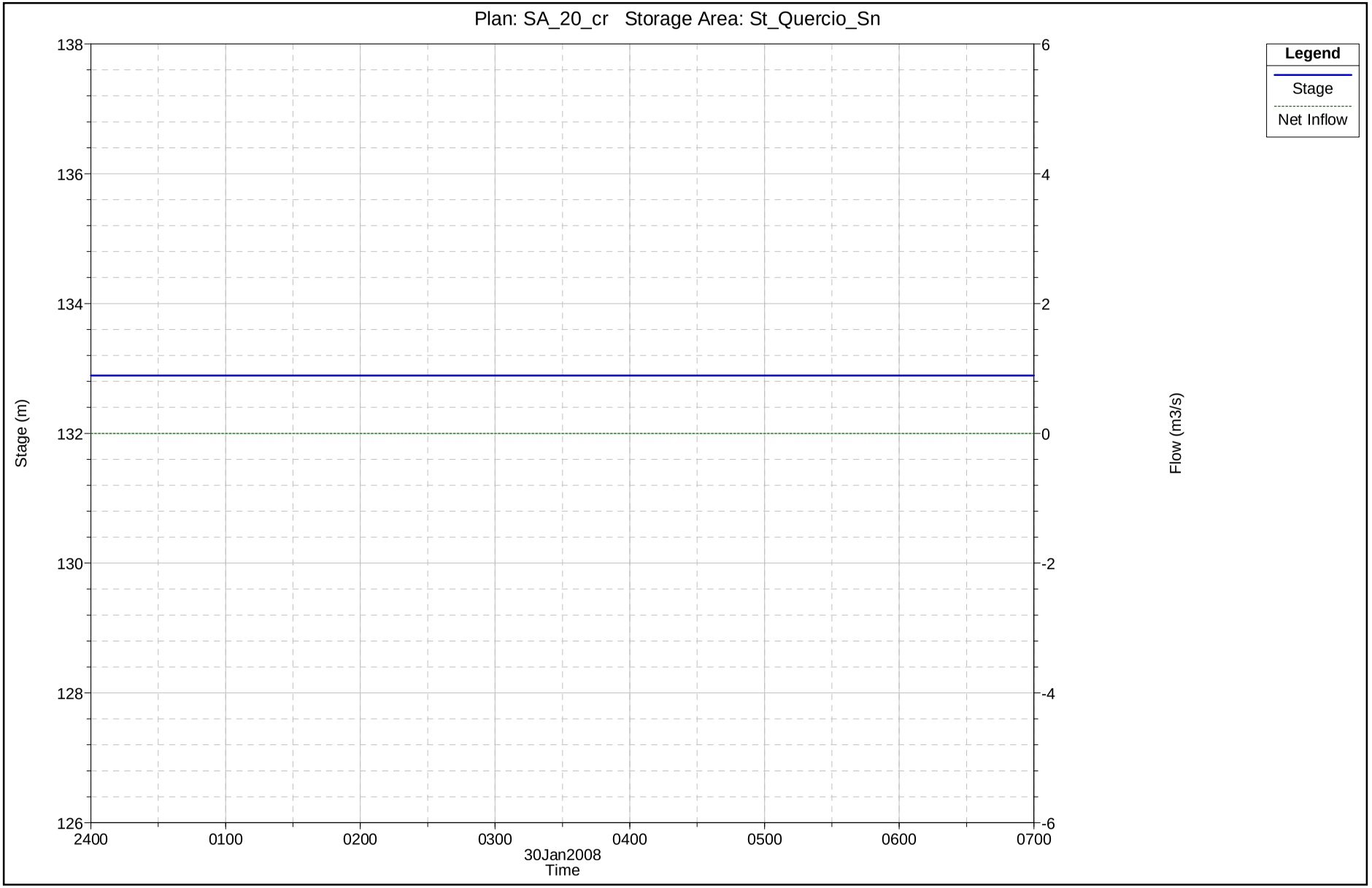
Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Dx_ferrovia	Max WS	SA_200_cr	140.60	140.60	0.05	12.00	0.02
Dx_ferrovia	Max WS	SA_100_cr	140.60	140.60	0.00	12.00	0.00
Dx_ferrovia	Max WS	SA_30_cr	140.60	140.60	0.00	12.00	0.00
Dx_ferrovia	Max WS	SA_20_cr	140.60	140.60	0.00	12.00	0.00
Dx_ss69	Max WS	SA_200_cr	140.37	140.30	0.20	2.00	0.15
Dx_ss69	Max WS	SA_100_cr	140.30	140.30	0.00	2.00	0.00
Dx_ss69	Max WS	SA_30_cr	140.30	140.30	0.00	2.00	0.00
Dx_ss69	Max WS	SA_20_cr	140.30	140.30	0.00	2.00	0.00
Dx_valless69	Max WS	SA_200_cr	138.80	138.70	1.27	11.60	1.21
Dx_valless69	Max WS	SA_100_cr	138.70	138.70	0.00	11.60	0.00
Dx_valless69	Max WS	SA_30_cr	138.70	138.70	0.00	11.60	0.00
Dx_valless69	Max WS	SA_20_cr	138.70	138.70	0.00	11.60	0.00
St_Quercio_Dx	Max WS	SA_200_cr	136.27	136.10	0.49	3.24	0.57
St_Quercio_Dx	Max WS	SA_100_cr	136.10	136.10	0.02	3.24	0.01
St_Quercio_Dx	Max WS	SA_30_cr	136.10	136.10	0.00	3.24	0.00
St_Quercio_Dx	Max WS	SA_20_cr	136.10	136.10	0.00	3.24	0.00
St_Quercio_Sn	Max WS	SA_200_cr	134.02	132.89	0.49	23.15	0.71
St_Quercio_Sn	Max WS	SA_100_cr	133.04	132.89	0.02	0.08	0.00
St_Quercio_Sn	Max WS	SA_30_cr	132.89	132.89	0.00	0.01	0.00
St_Quercio_Sn	Max WS	SA_20_cr	132.89	132.89	0.00	0.01	0.00

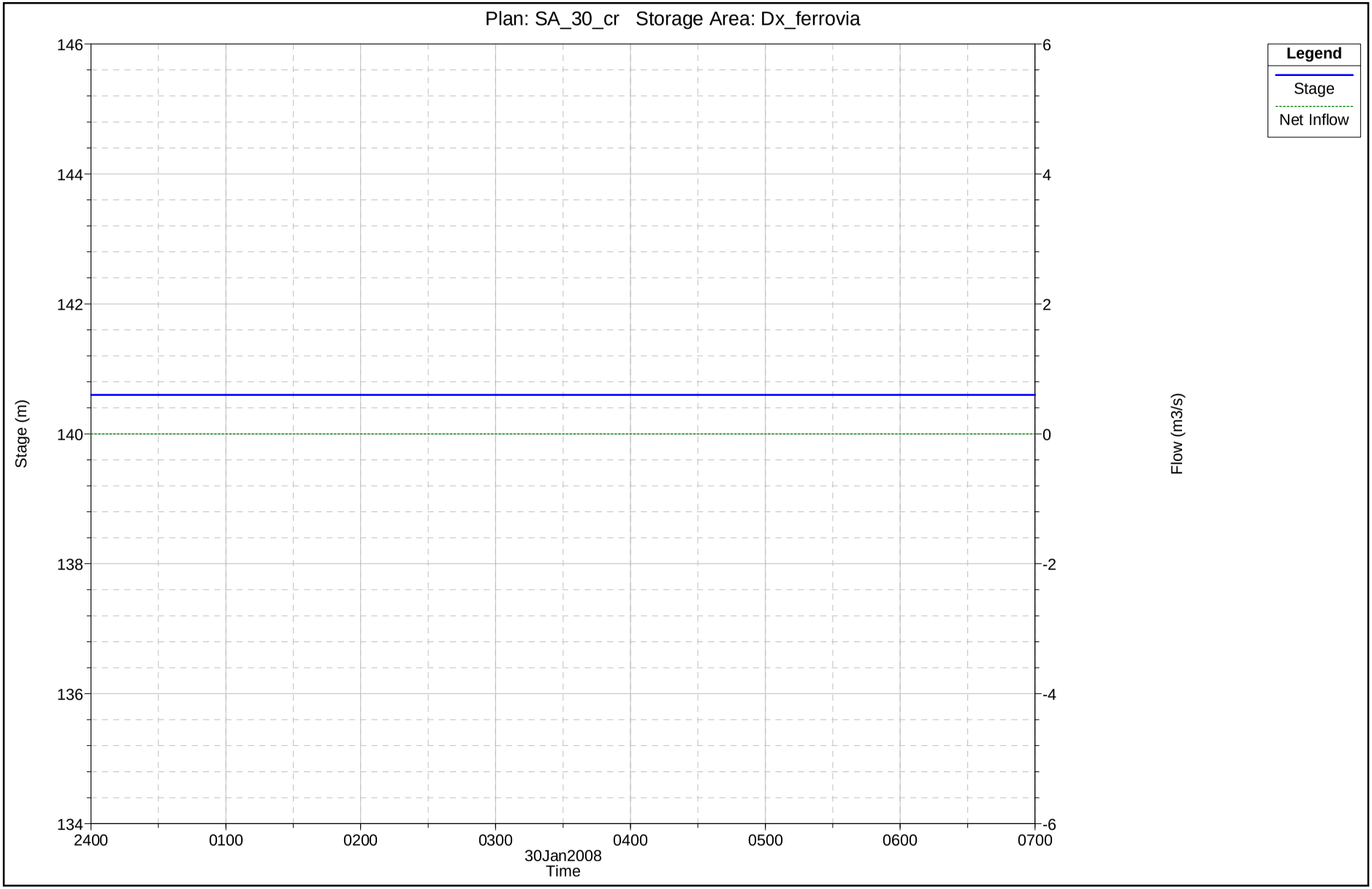

Plan: SA_20_cr Storage Area: Dx_ferrovia
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

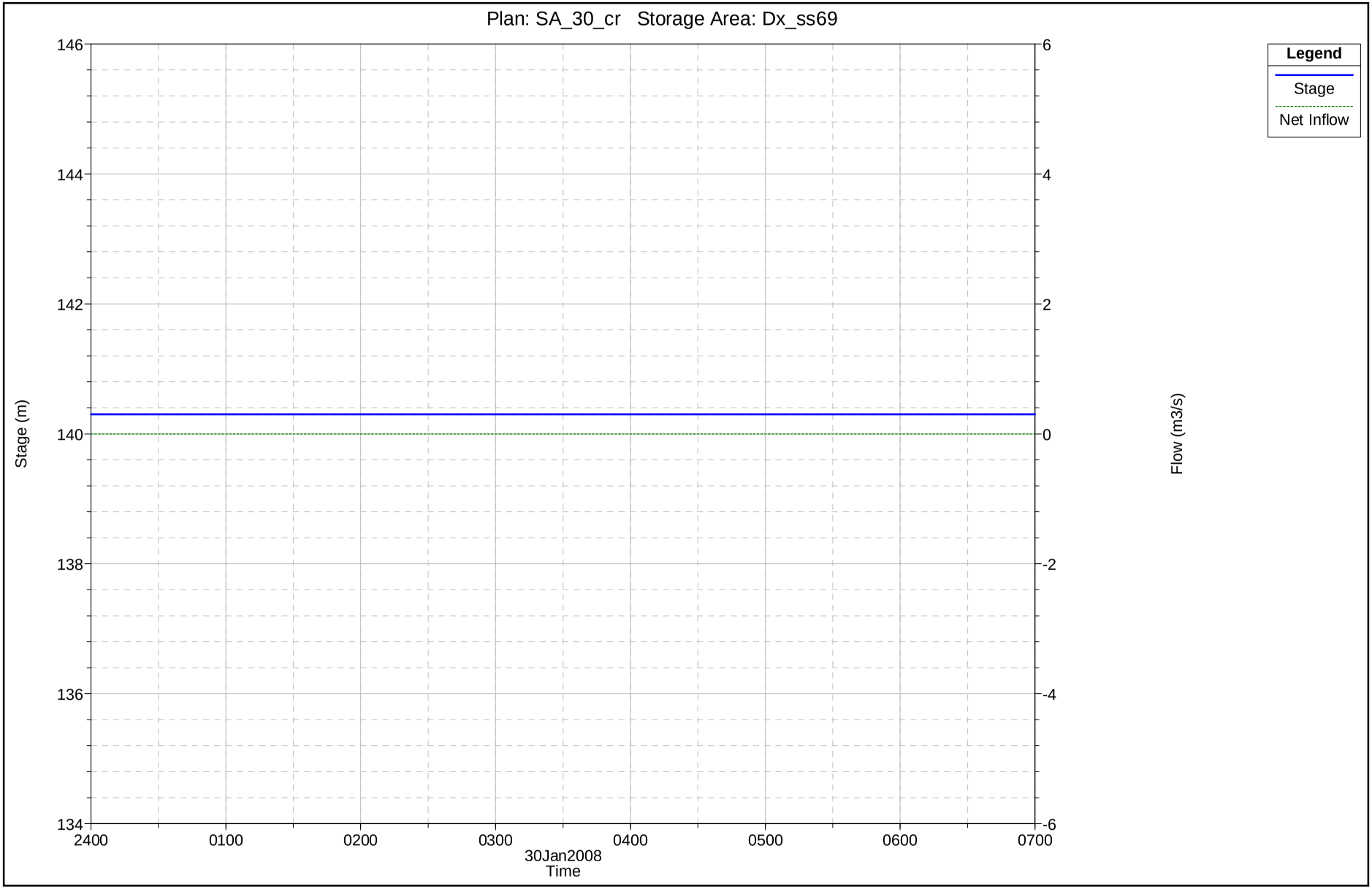

Plan: SA_20_cr Storage Area: Dx_ss69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

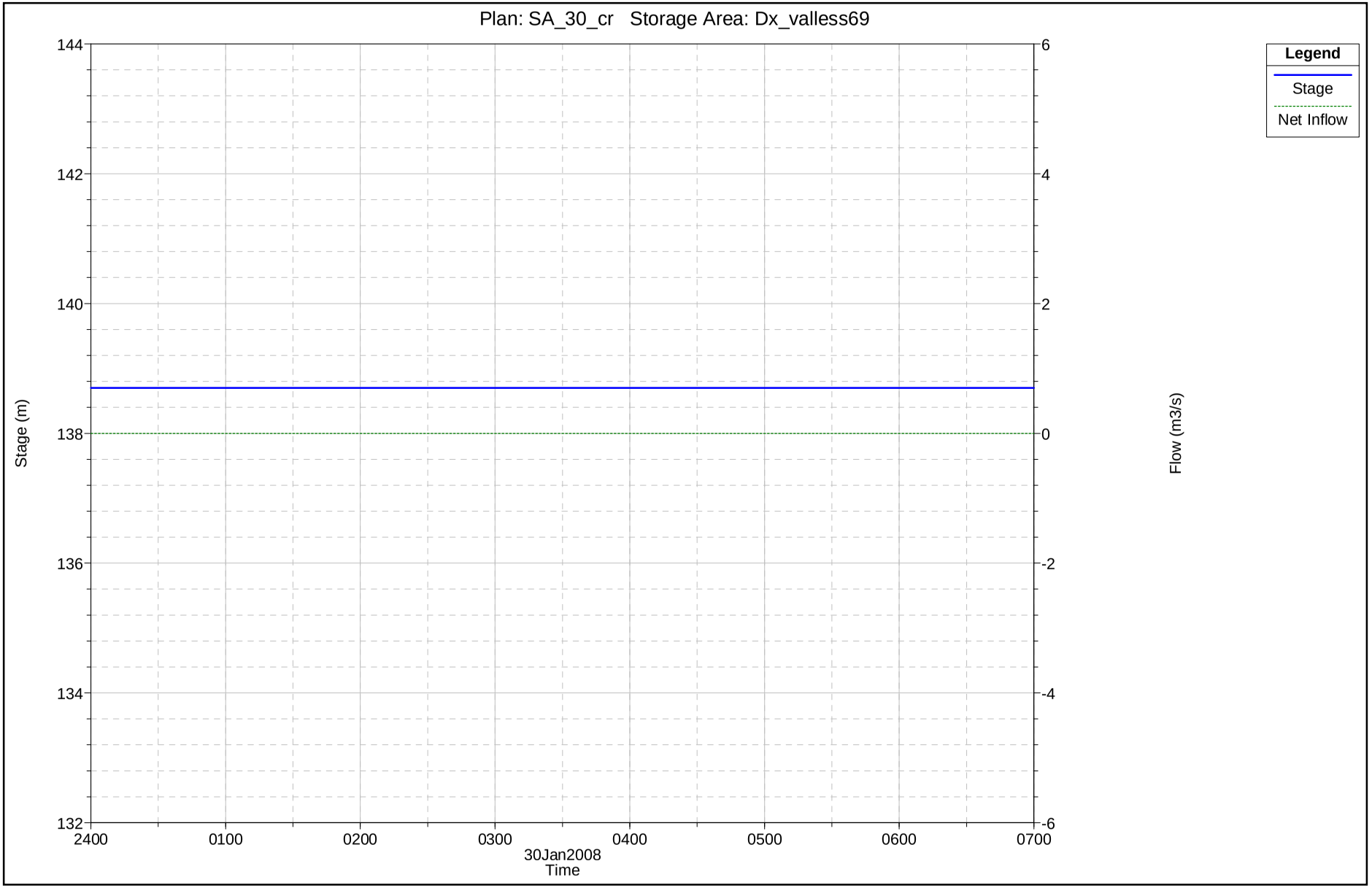

Plan: SA_20_cr Storage Area: Dx_valless69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144
142
140
138
136
134
132
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

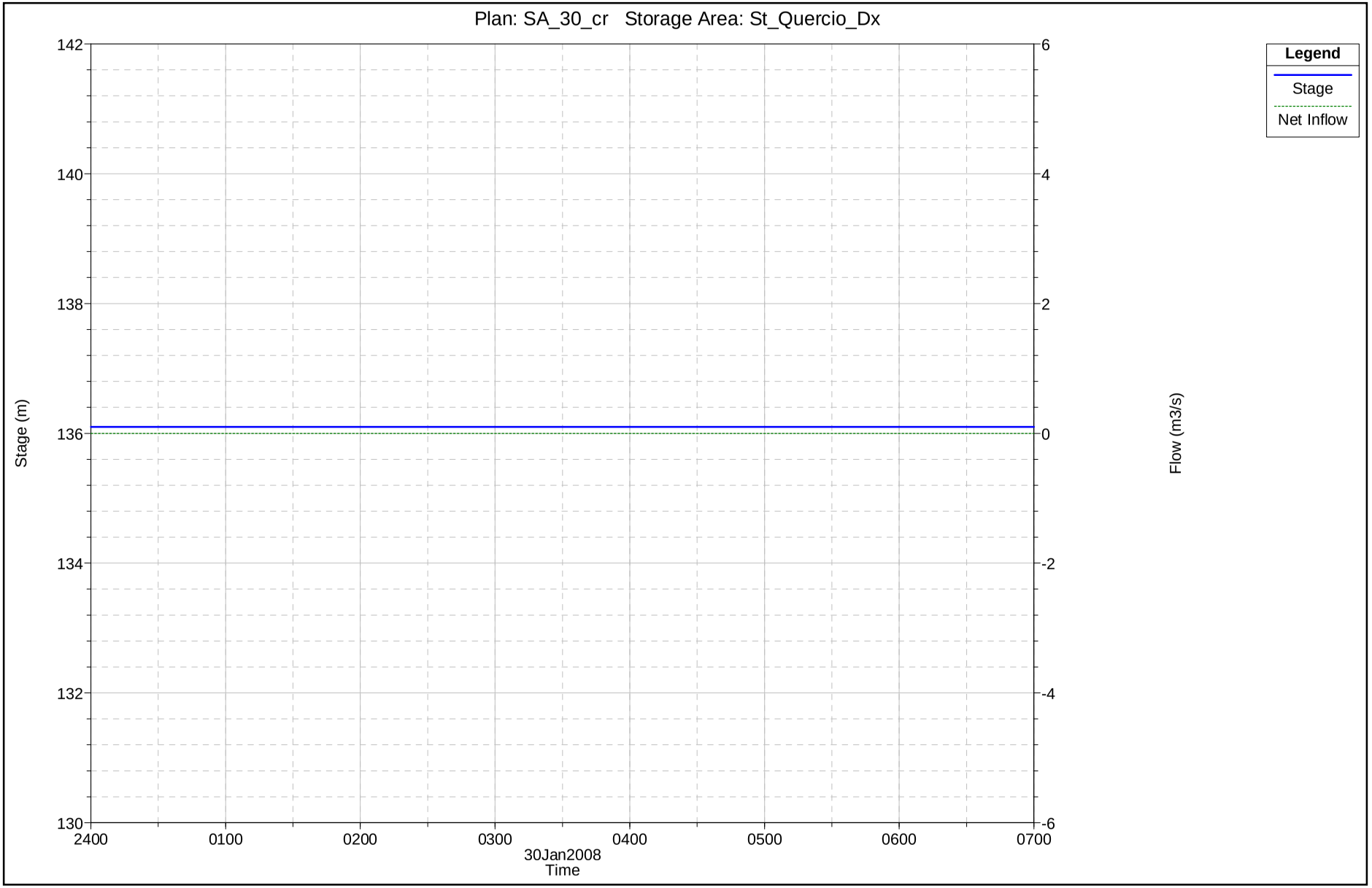

Plan: SA_20_cr Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
142
140
138
136
134
132
130
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

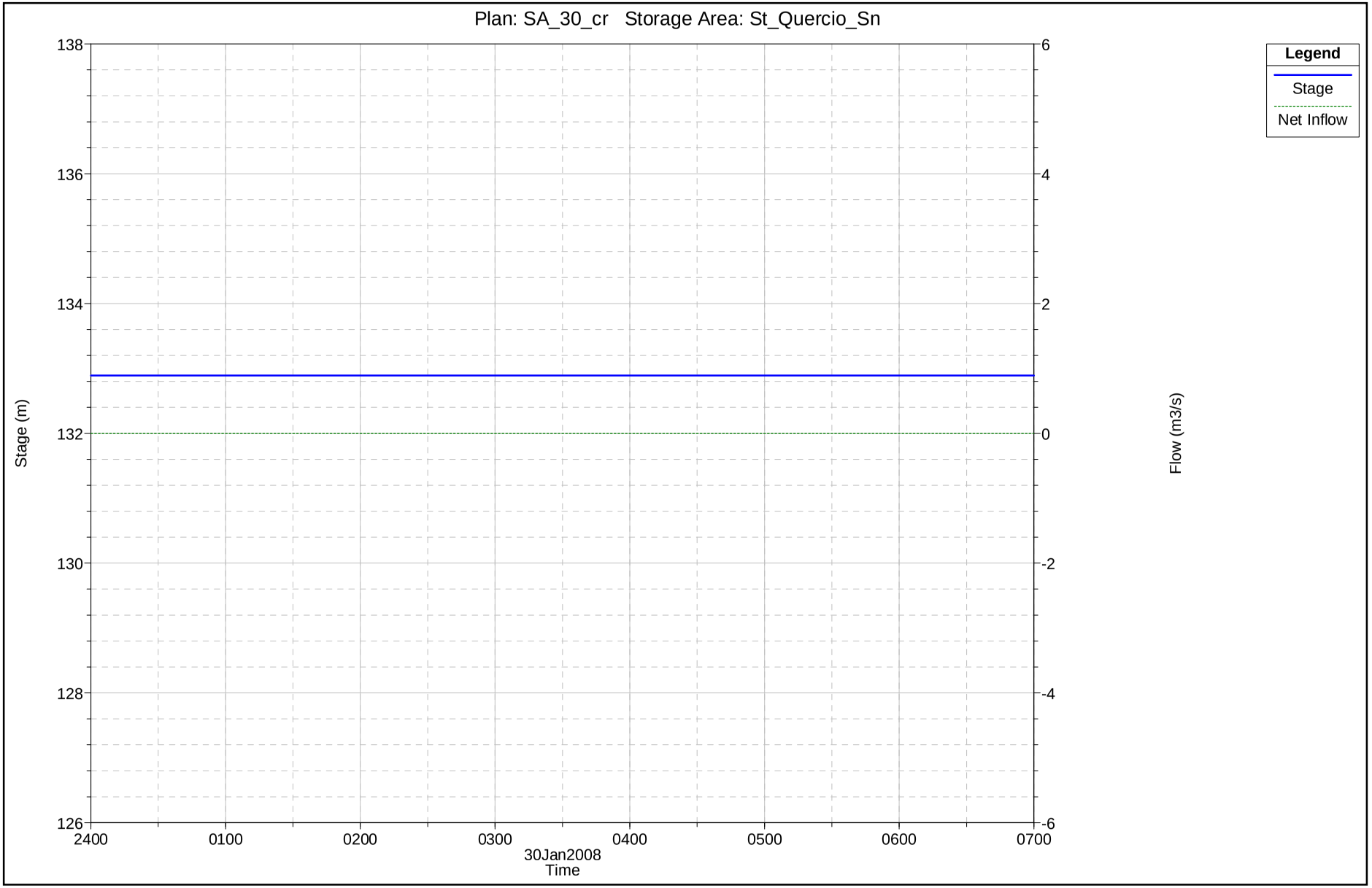

Plan: SA_20_cr Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138
136
134
132
130
128
126
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

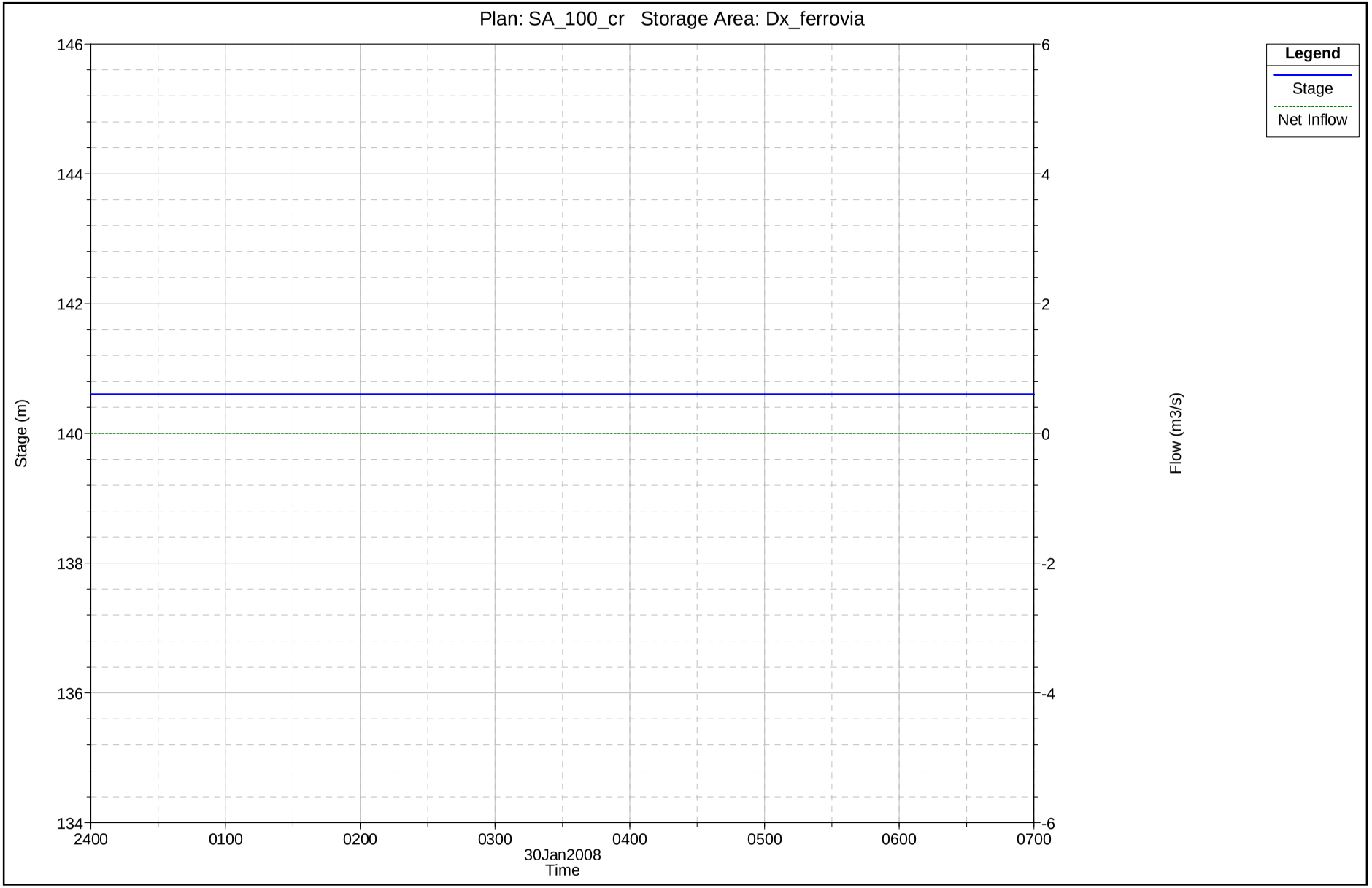

Plan: SA_30_cr Storage Area: Dx_ferrovia
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

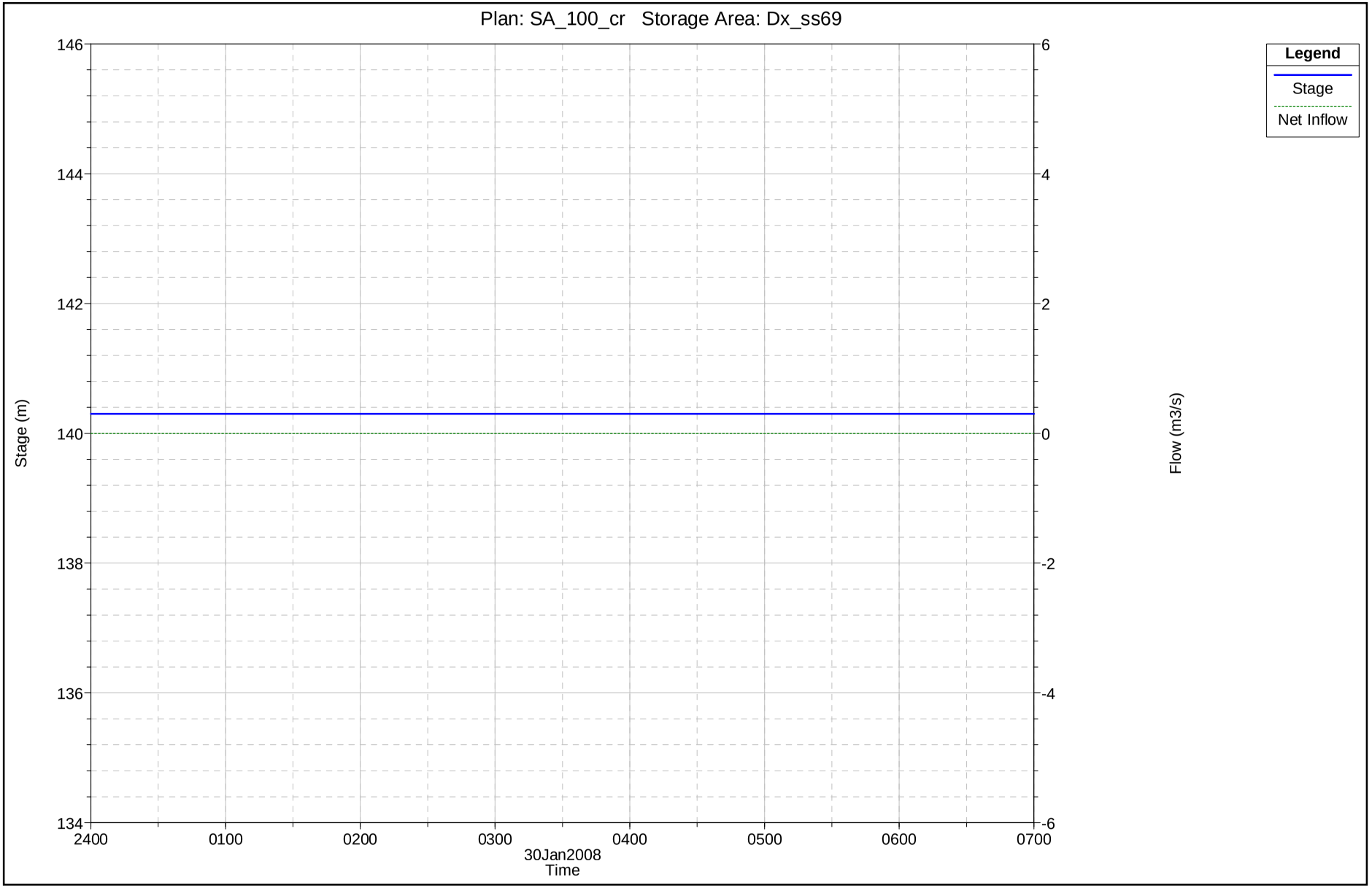

Plan: SA_30_cr Storage Area: Dx_ss69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

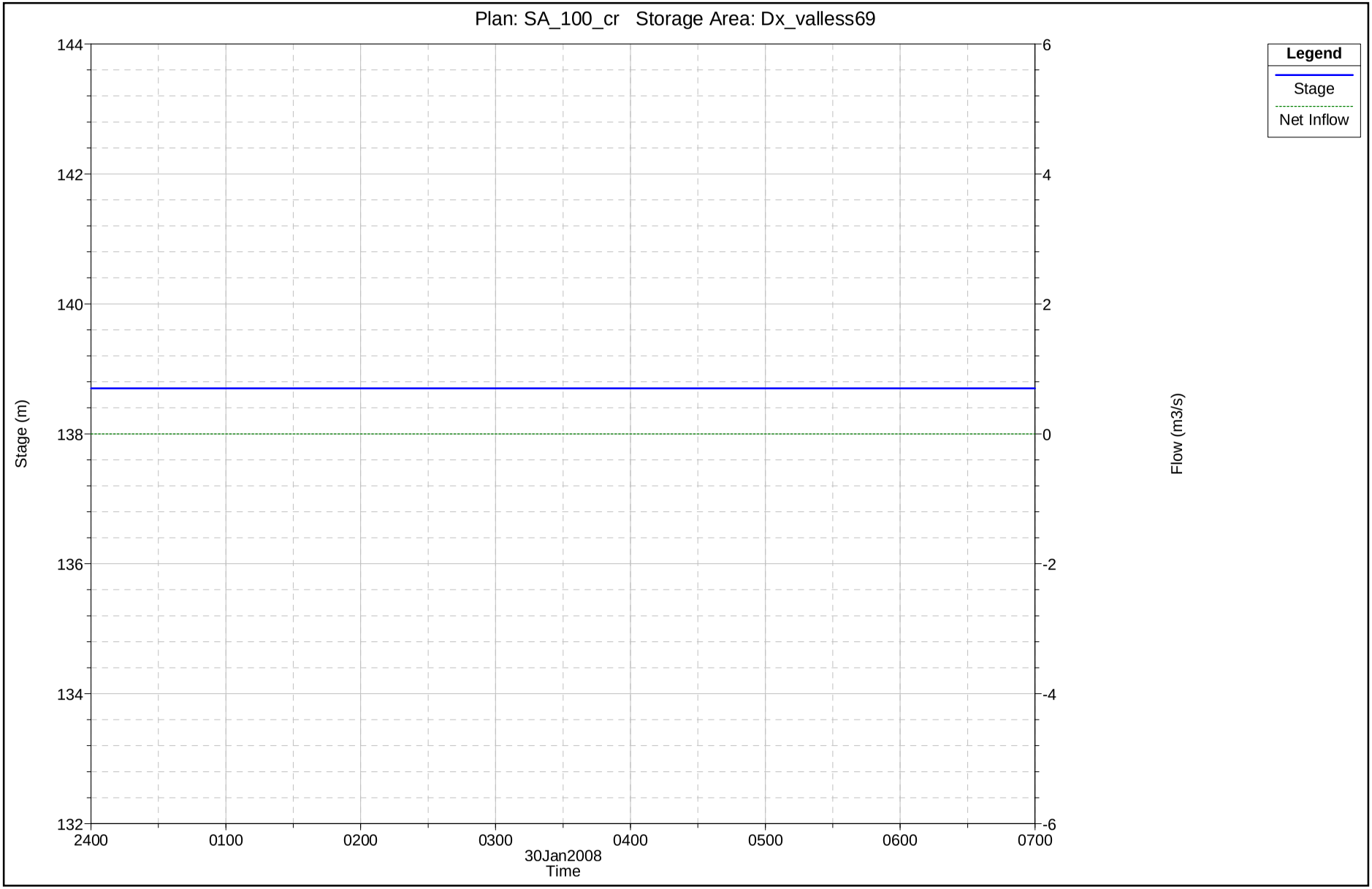

Plan: SA_30_cr Storage Area: Dx_valless69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144
142
140
138
136
134
132
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

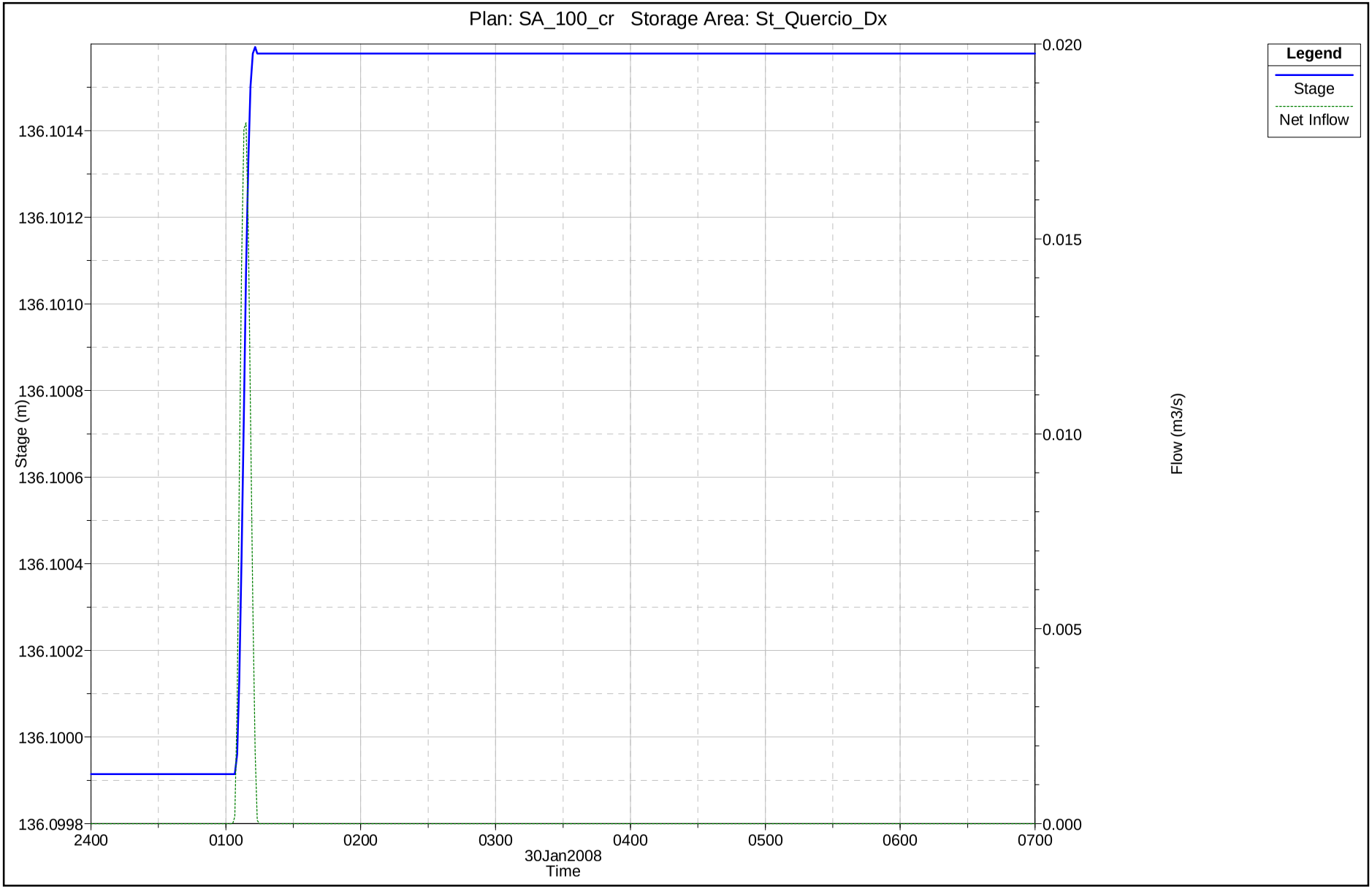

Plan: SA_30_cr Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
142
140
138
136
134
132
130
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

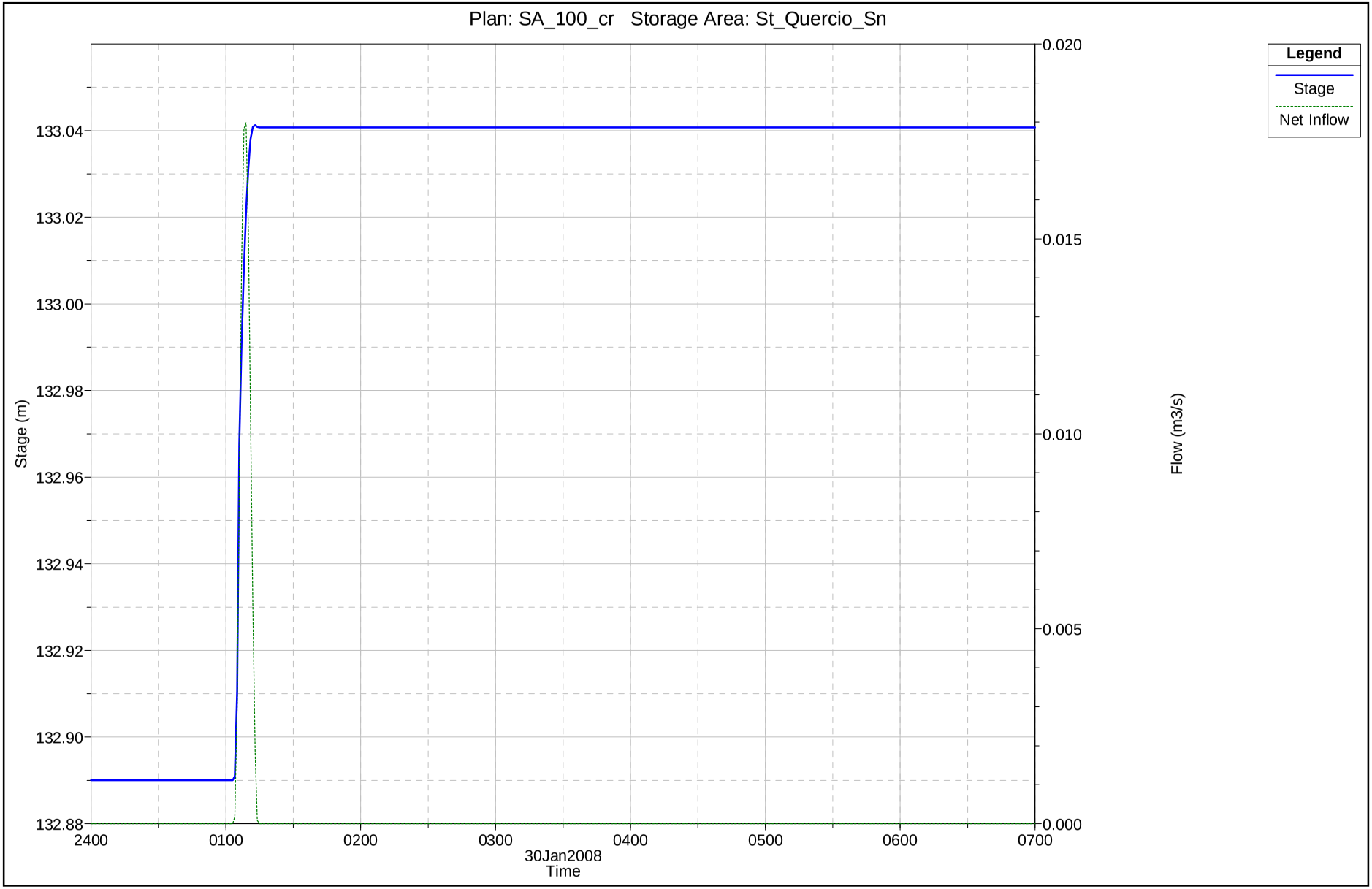

Plan: SA_30_cr Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138
136
134
132
130
128
126
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

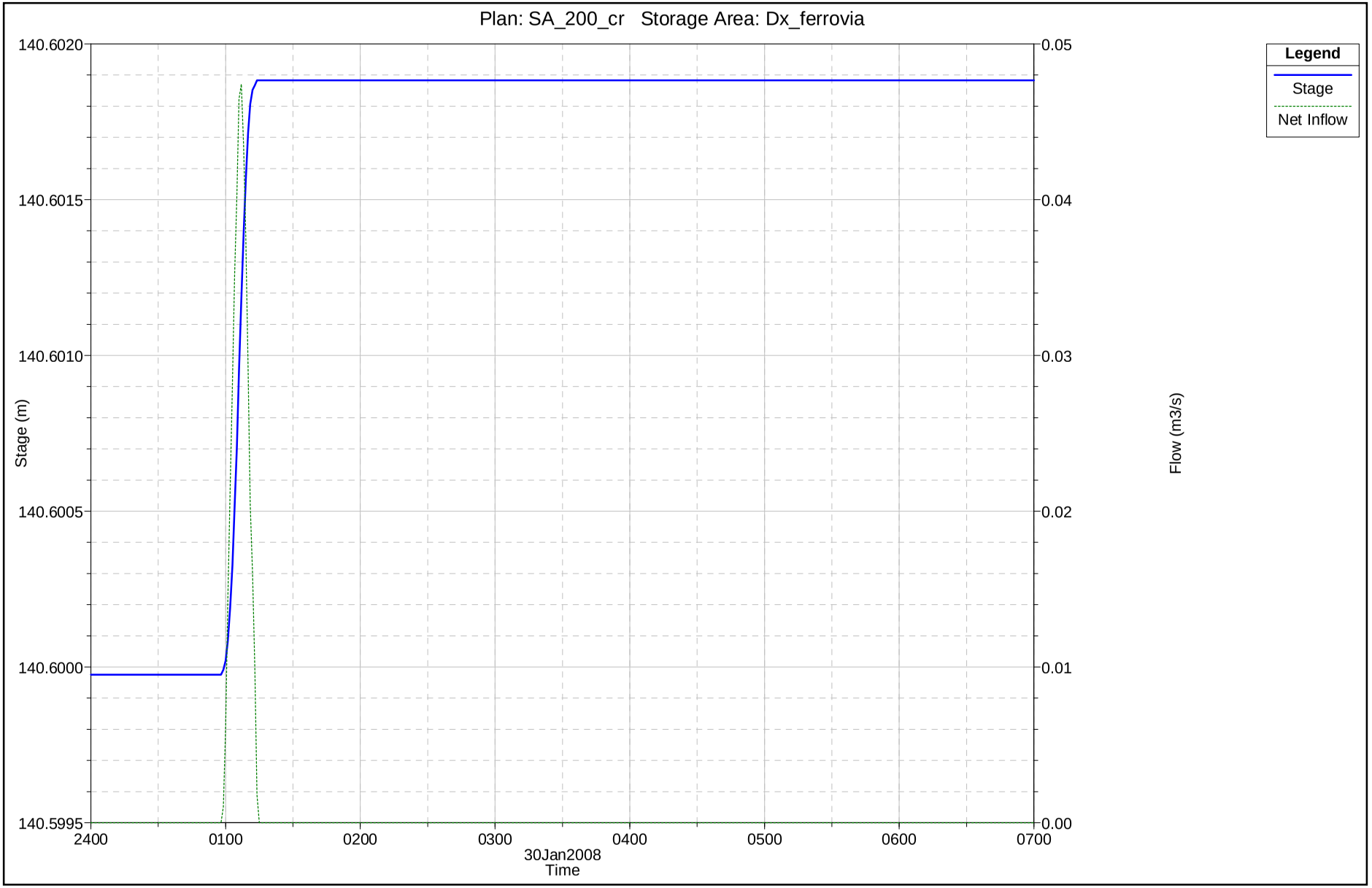

Plan: SA_100_cr Storage Area: Dx_ferrovia
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

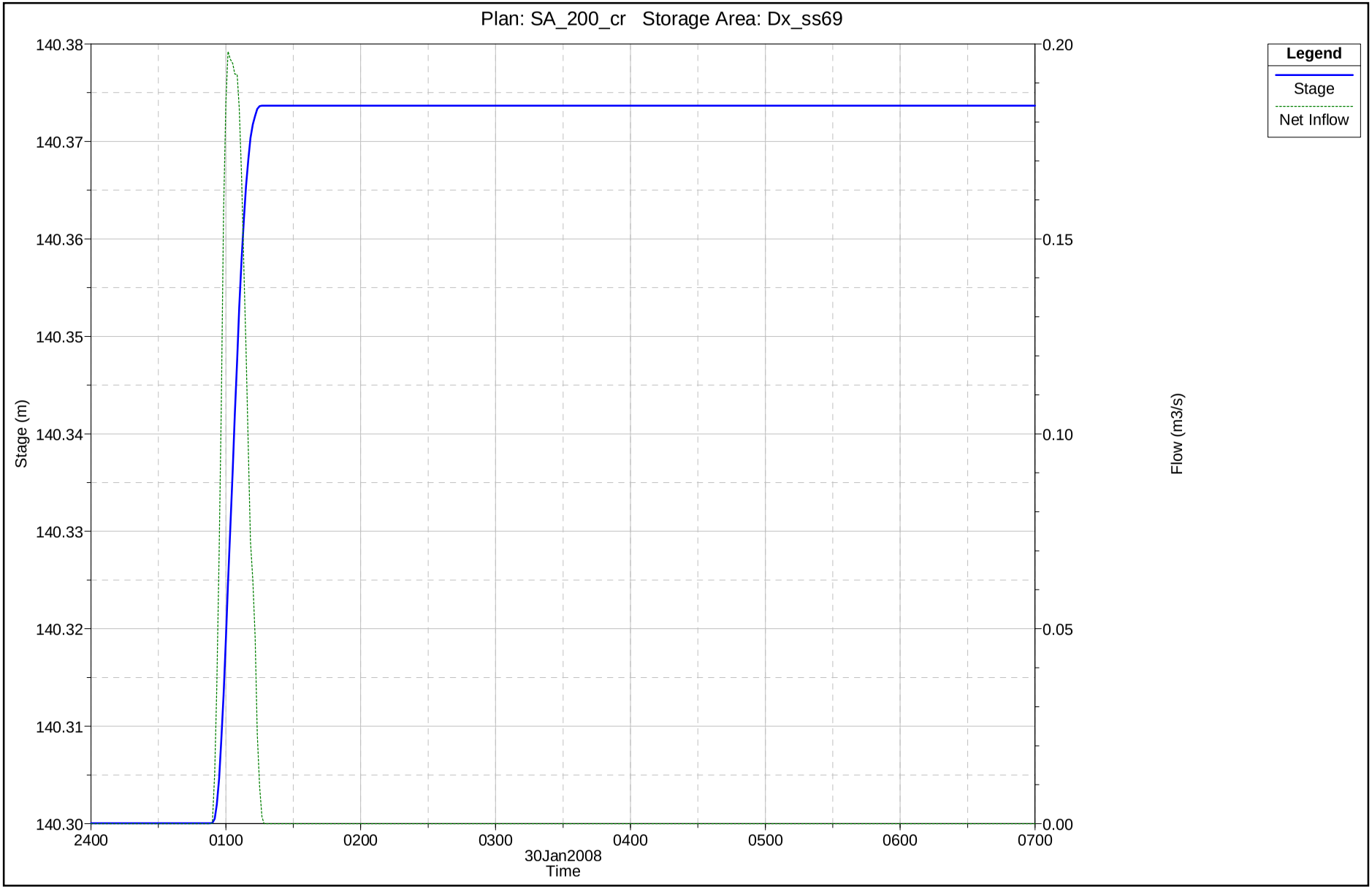

Plan: SA_100_cr Storage Area: Dx_ss69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

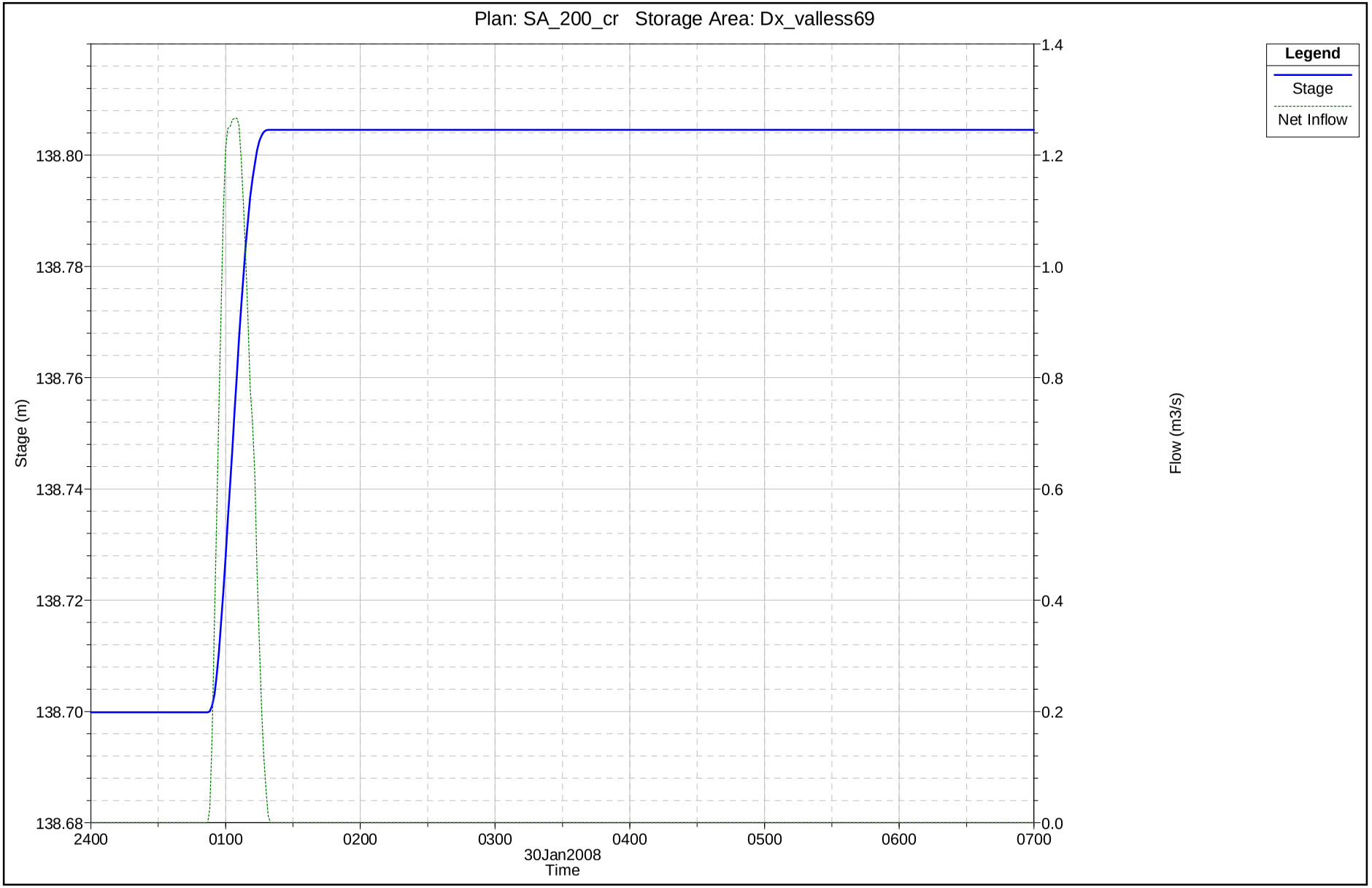

Plan: SA_100_cr Storage Area: Dx_valless69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144
142
140
138
136
134
132
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

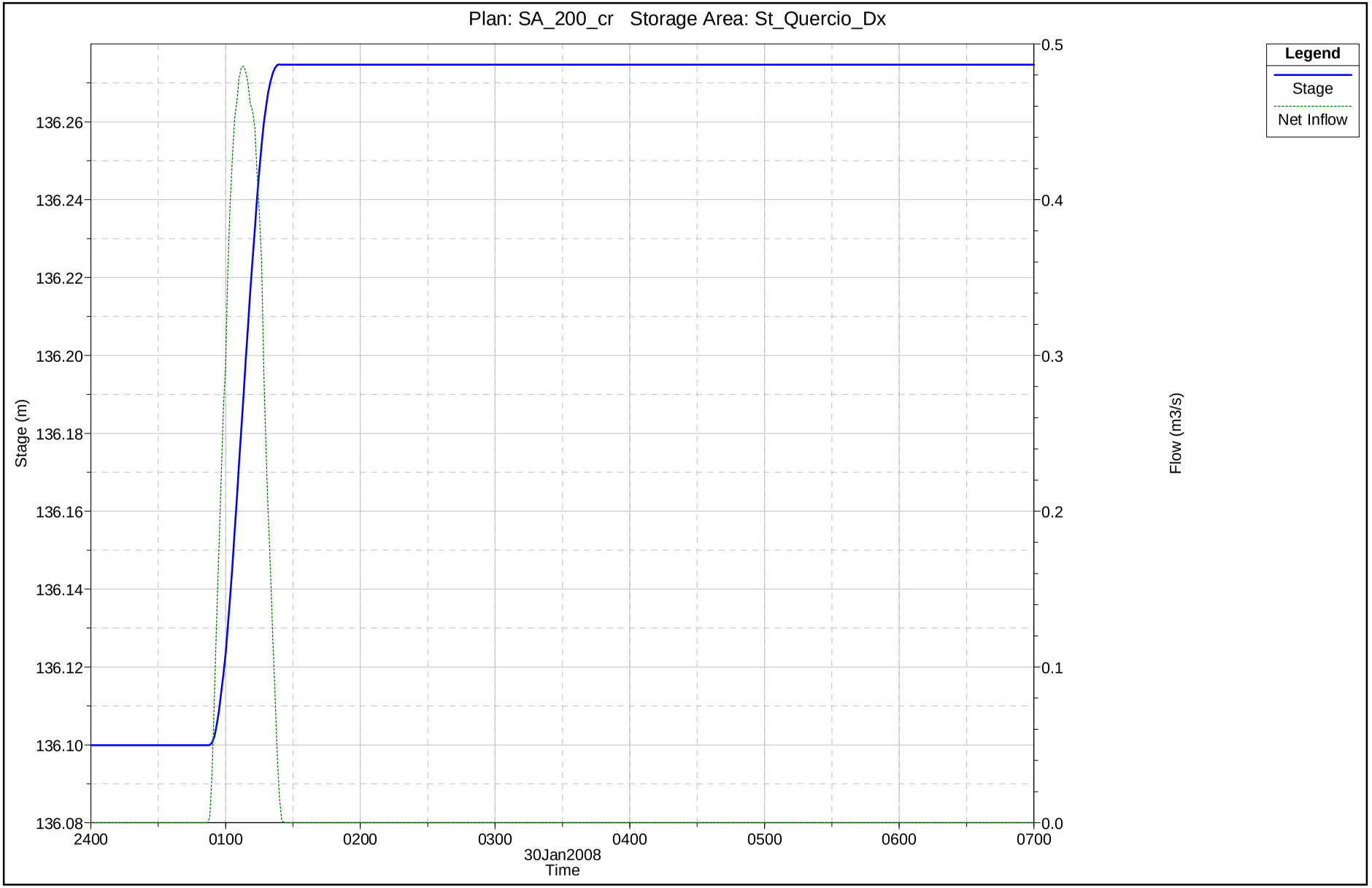

Plan: SA_100_cr Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
136.1014
136.1012
136.1010
136.1008
136.1006
136.1004
136.1002
136.1000
136.0998
Flow (m3/s)
0.020
0.015
0.010
0.005
0.000
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

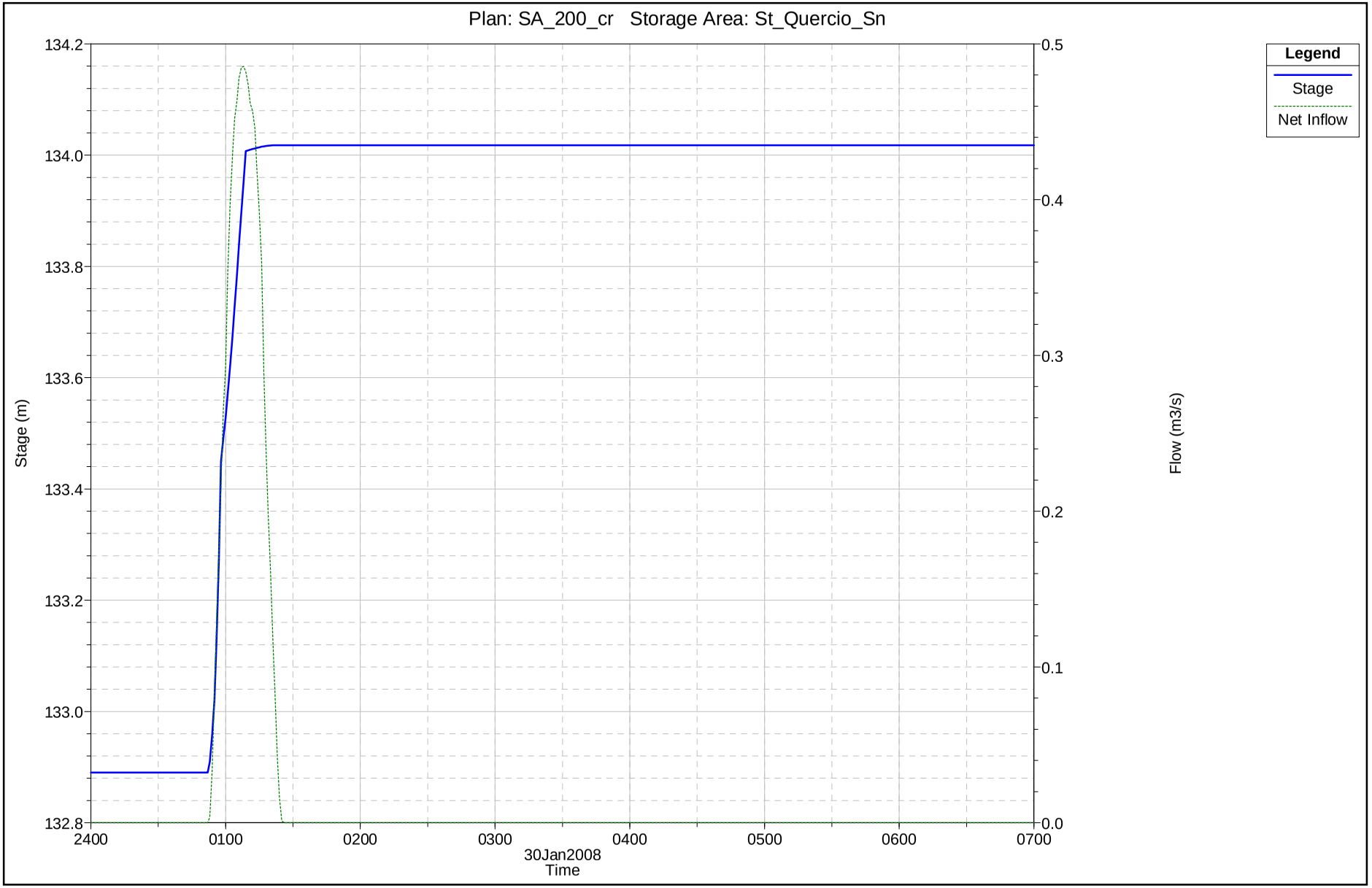

Plan: SA_100_cr Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
133.04
133.02
133.00
132.98
132.96
132.94
132.92
132.90
132.88
0.020
0.015
0.010
0.005
0.000
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

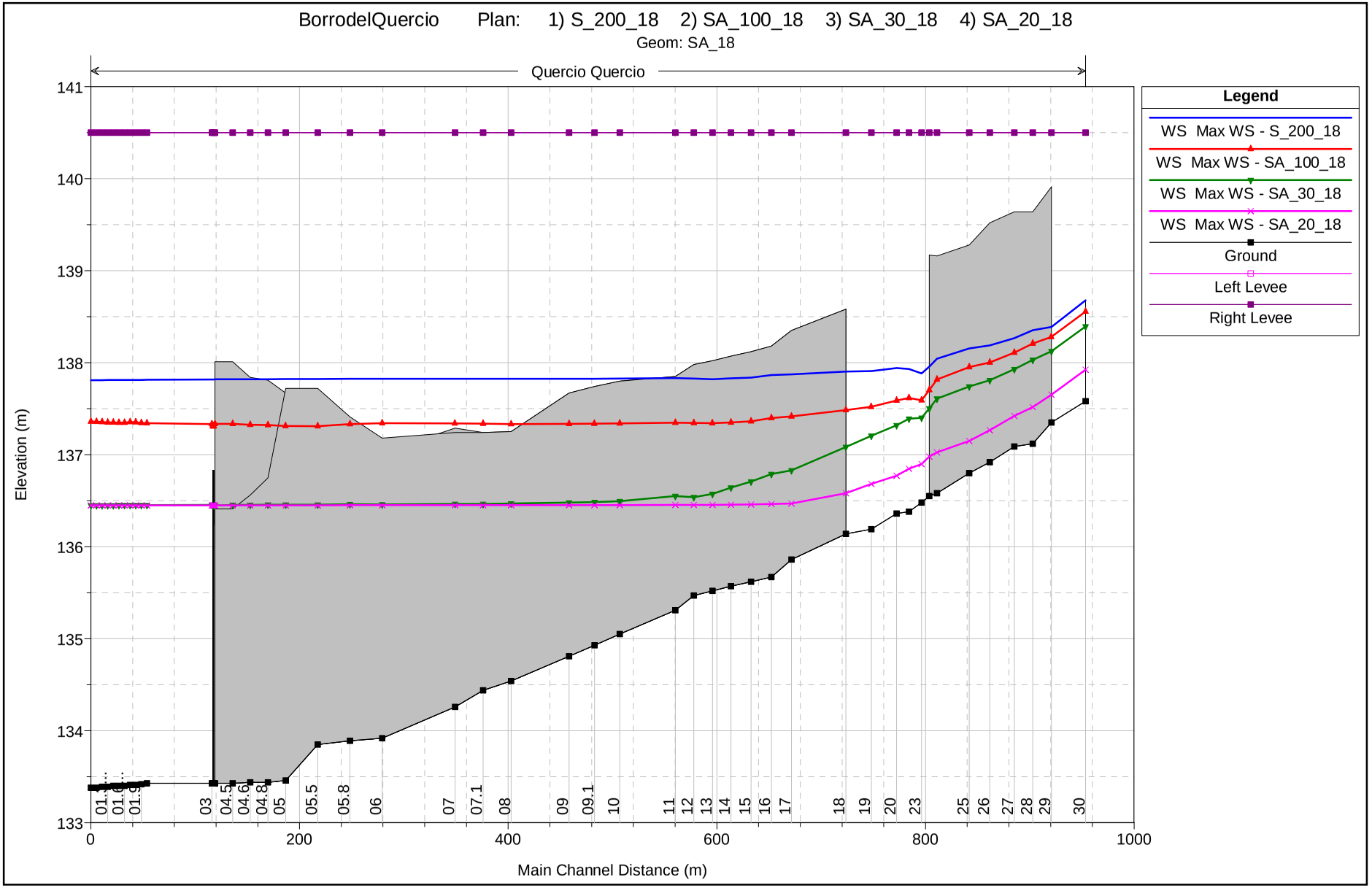

Plan: SA_200_cr Storage Area: Dx_ferrovia
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
140.6020
140.6015
140.6010
140.6005
140.6000
140.5995
0.05
0.04
0.03
0.02
0.01
0.00
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time


Plan: SA_200_cr Storage Area: Dx_ss69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
140.38
140.37
140.36
140.35
140.34
140.33
140.32
140.31
140.30
0.20
0.15
0.10
0.05
0.00
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time


Plan: SA_200_cr Storage Area: Dx_valless69
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138.80
138.78
138.76
138.74
138.72
138.70
138.68
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time


Plan: SA_200_cr Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
136.26
136.24
136.22
136.20
136.18
136.16
136.14
136.12
136.10
136.08
0.5
0.4
0.3
0.2
0.1
0.0
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time

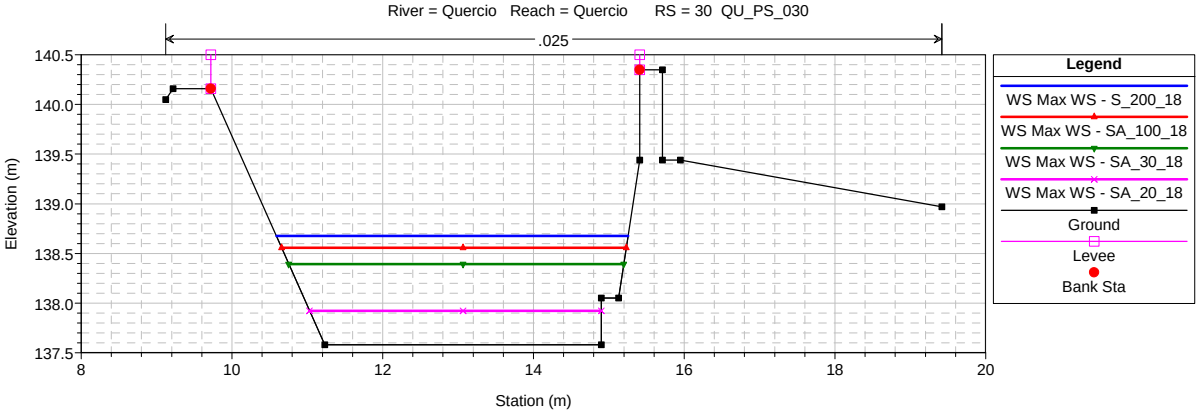

Plan: SA_200_cr Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
134.2
134.0
133.8
133.6
133.4
133.2
133.0
132.8
0.5
0.4
0.3
0.2
0.1
0.0
2400
0100
0200
0300
0400
0500
0600
0700
30Jan2008
Time


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
Quercio Quercio
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Left Levee
Right Levee
Elevation (m)
Main Channel Distance (m)
141
140
139
138
137
136
135
134
133
0
200
400
600
800
1000

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

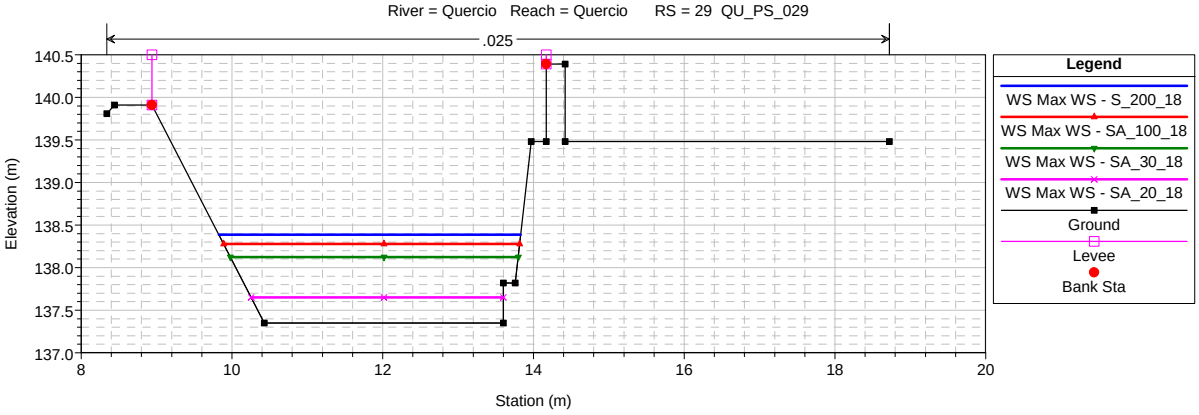
River = Quercio Reach = Quercio RS = 30 QU_PS_030



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

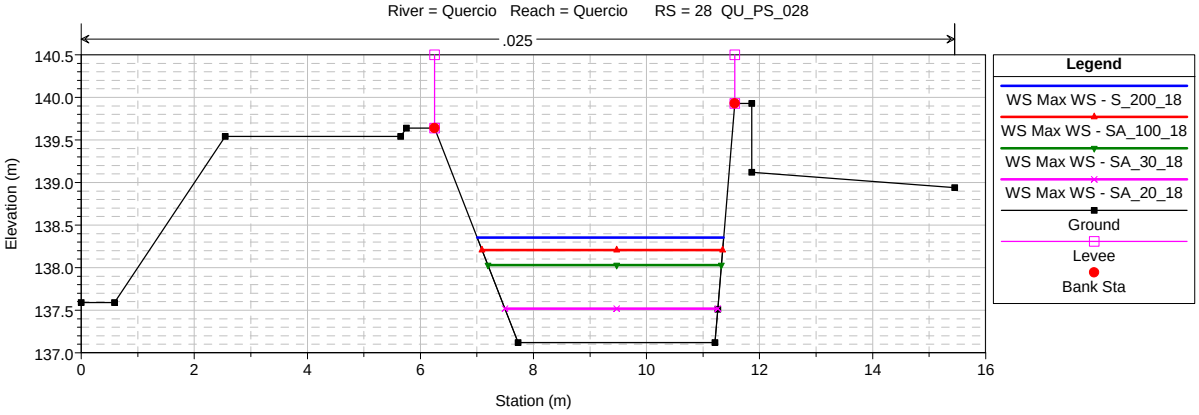
River = Quercio Reach = Quercio RS = 29 QU_PS_029



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

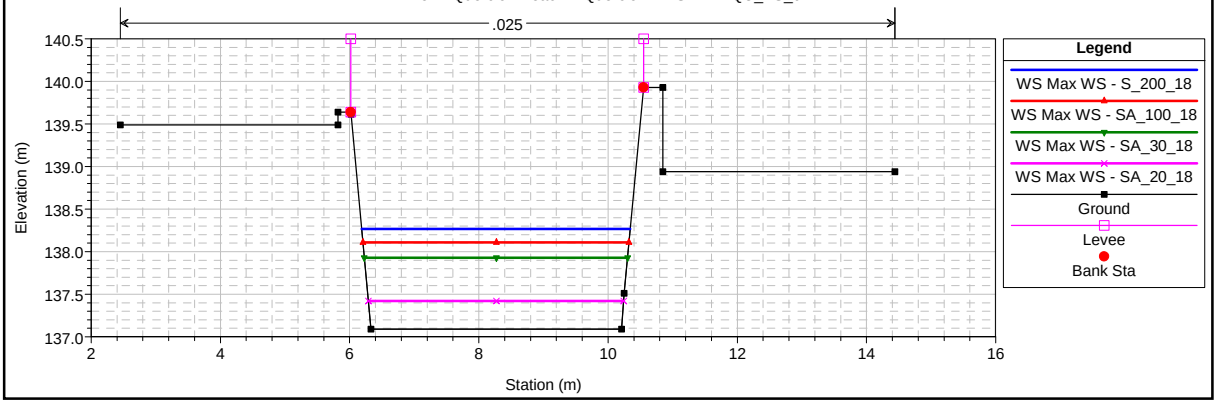
River = Quercio Reach = Quercio RS = 28 QU_PS_028

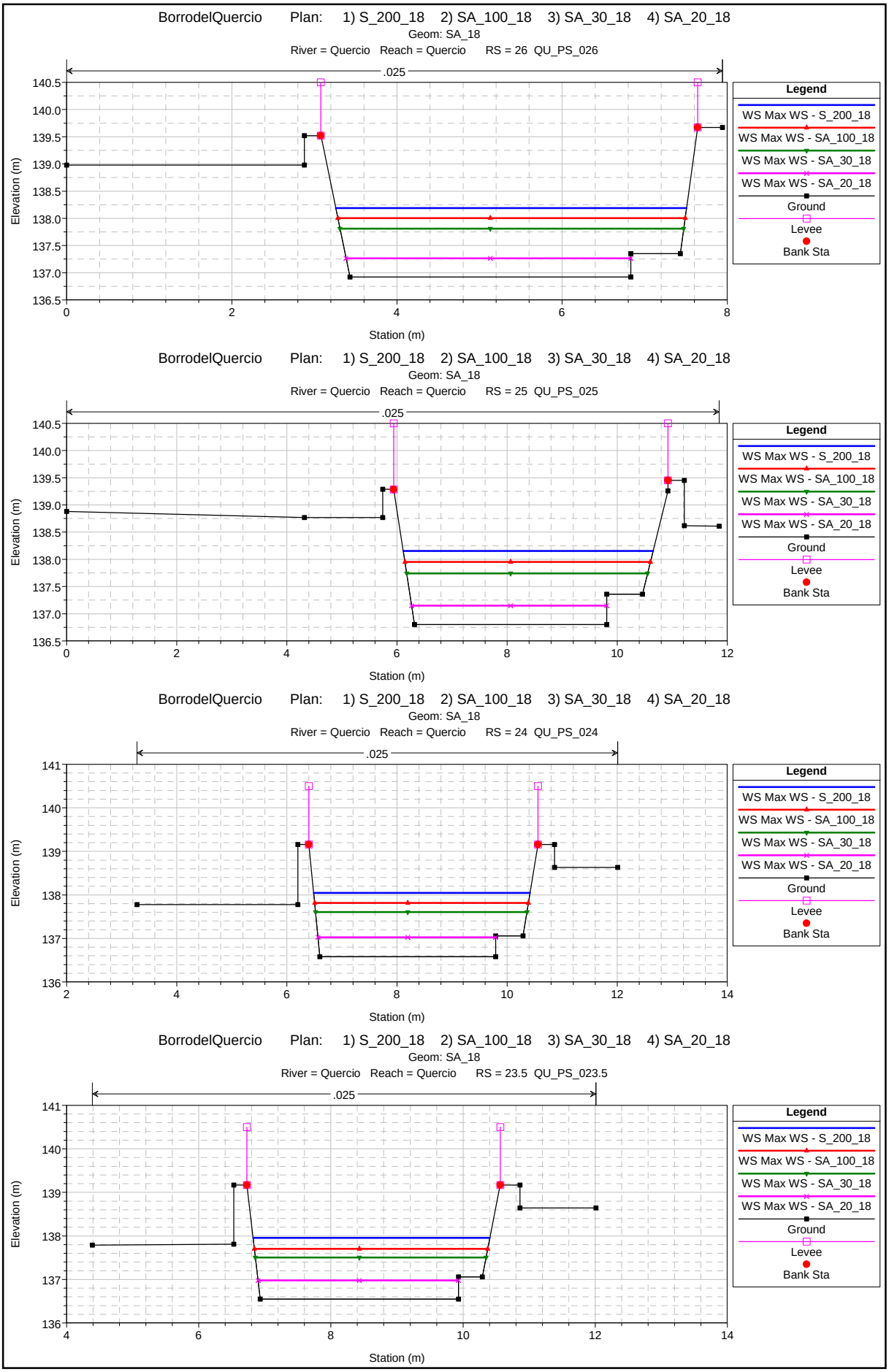


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

River = Quercio Reach = Quercio RS = 27 QU_PS_027

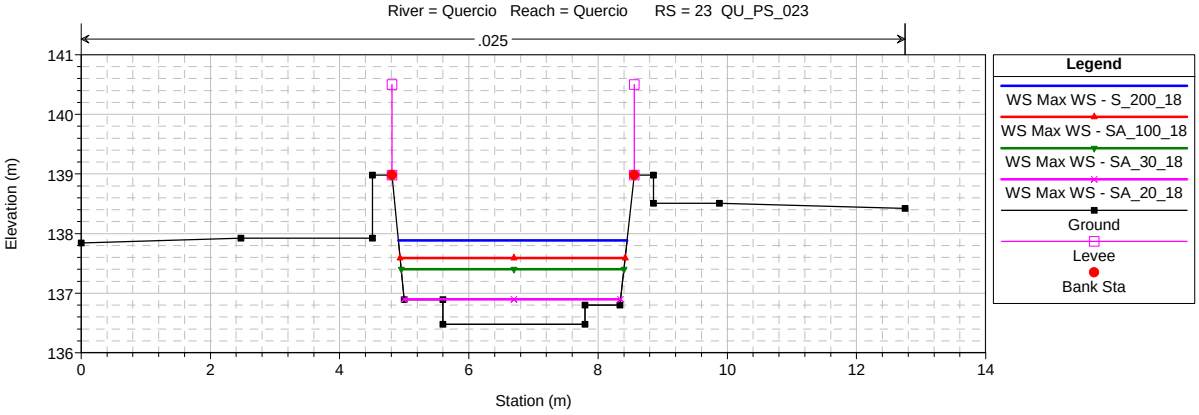



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 26 QU_PS_026
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 25 QU_PS_025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 24 QU_PS_024
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 23.5 QU_PS_023.5
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

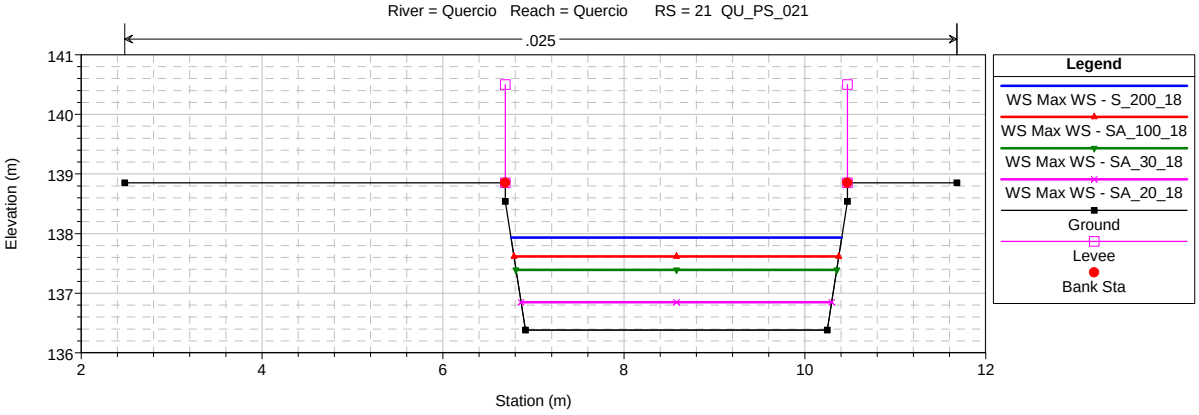
River = Quercio Reach = Quercio RS = 23 QU_PS_023



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

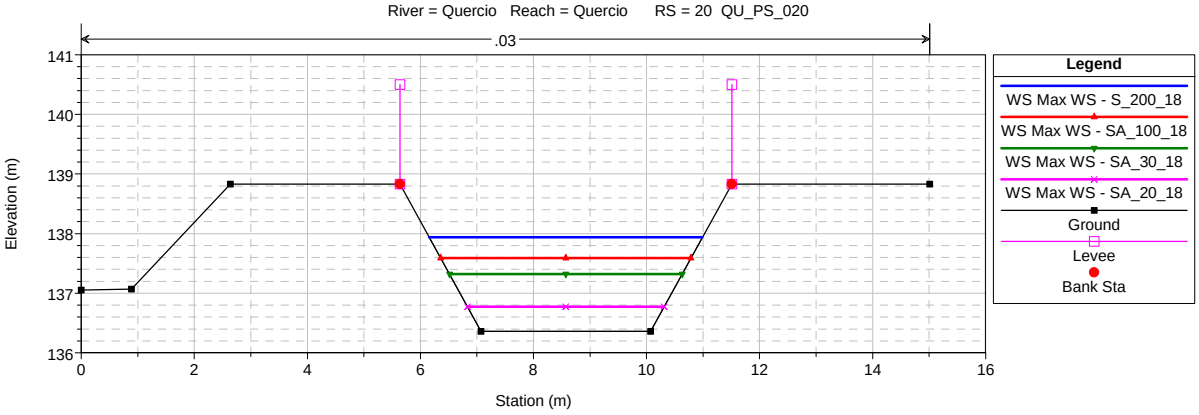
River = Quercio Reach = Quercio RS = 21 QU_PS_021



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

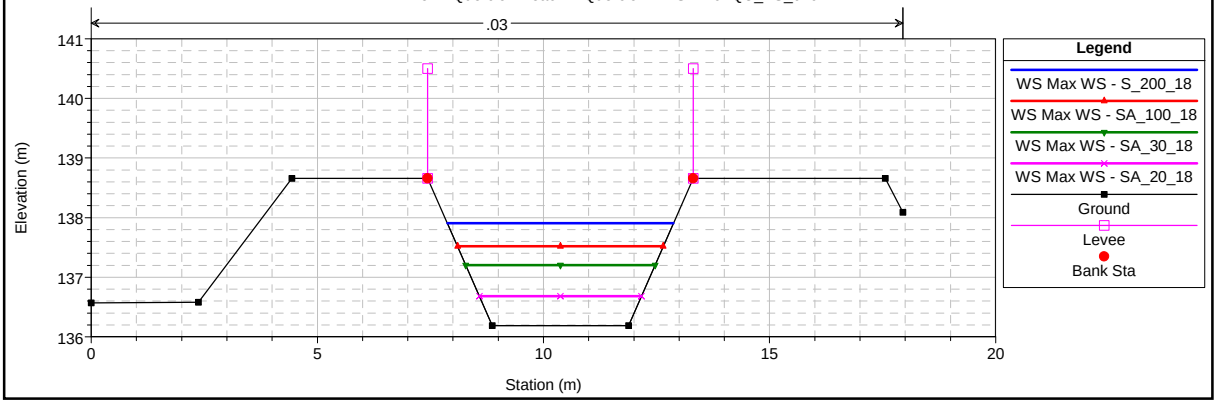
River = Quercio Reach = Quercio RS = 20 QU_PS_020

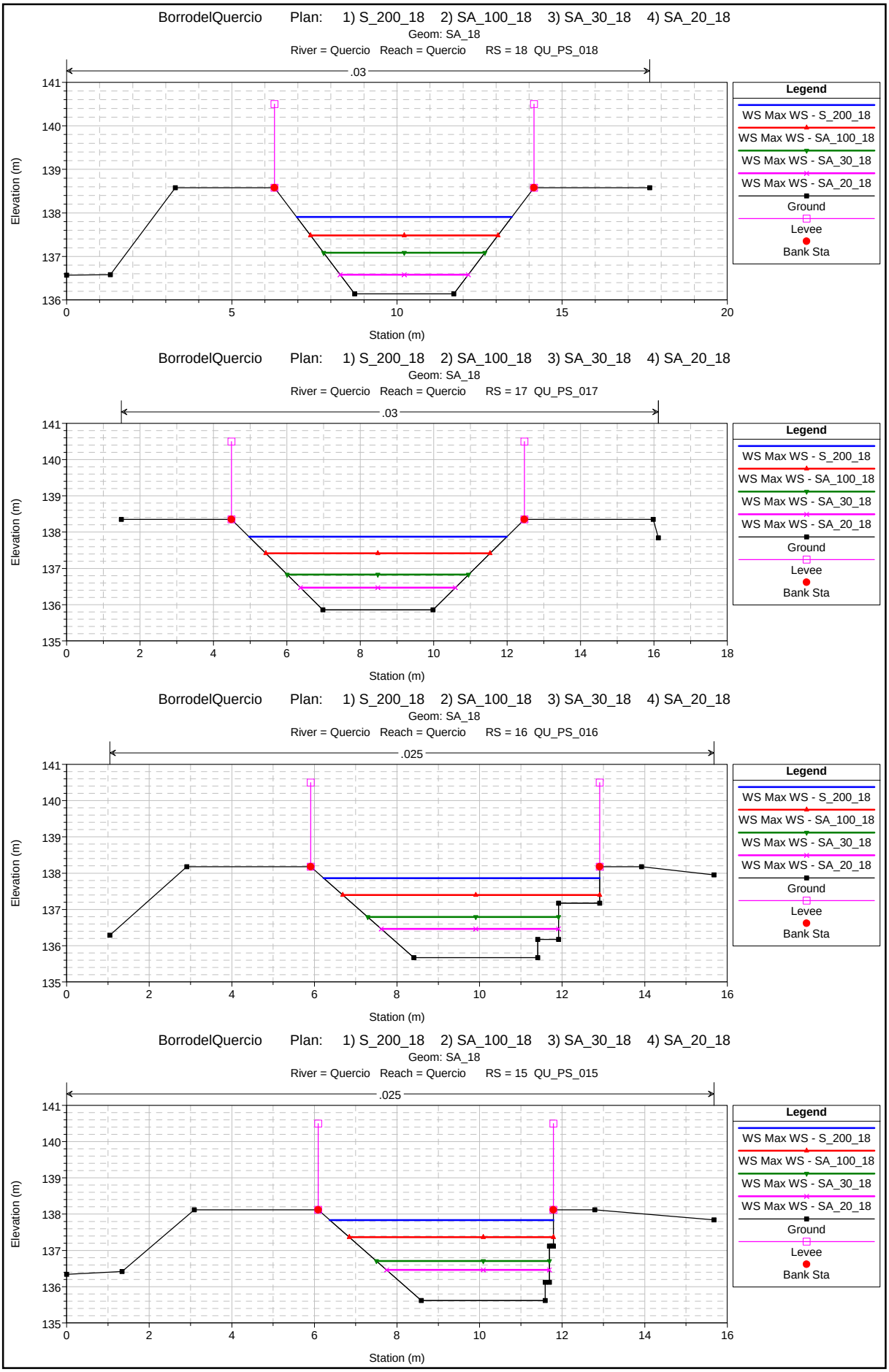


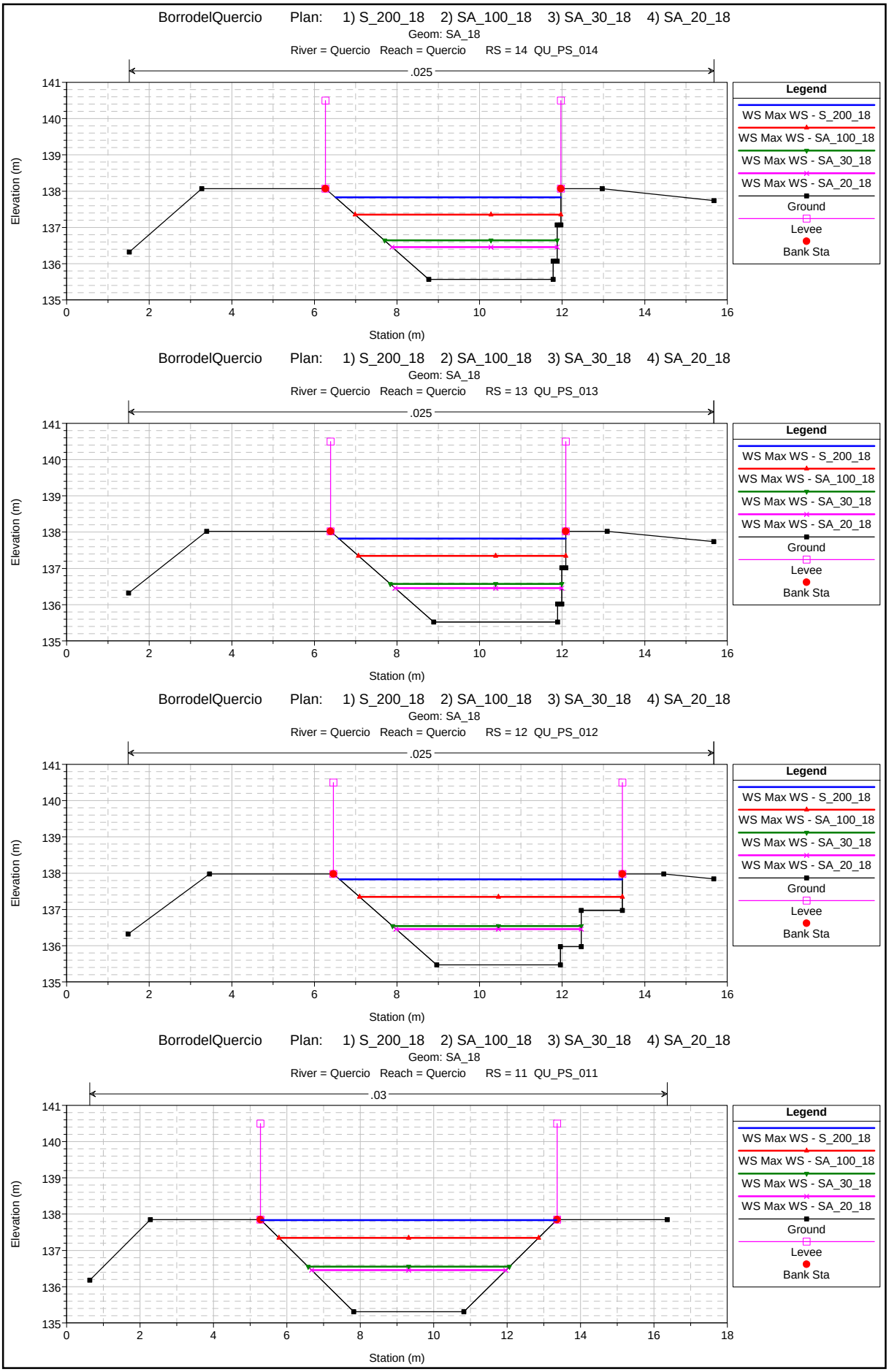
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

River = Quercio Reach = Quercio RS = 19 QU_PS_019



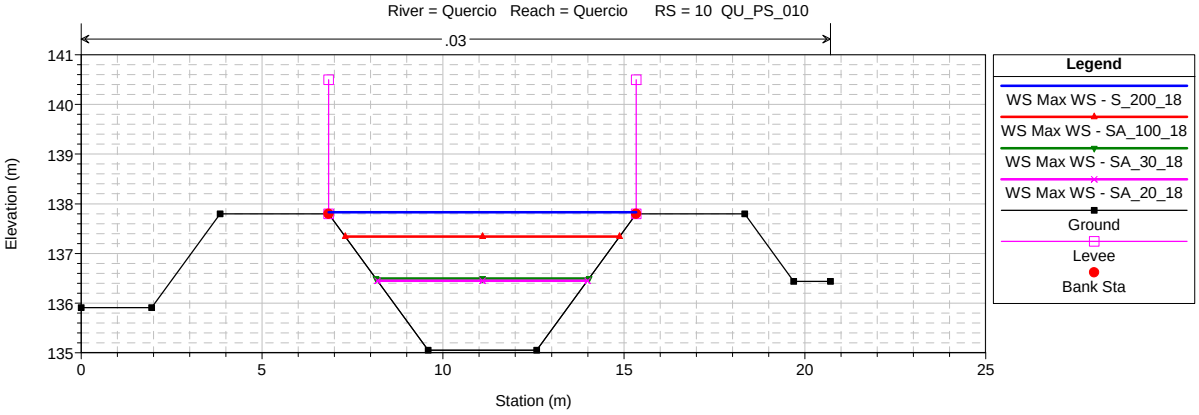

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 18 QU_PS_018
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 17 QU_PS_017
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 16 QU_PS_016
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 15 QU_PS_015
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 14 QU_PS_014
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 13 QU_PS_013
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 12 QU_PS_012
.025
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 11 QU_PS_011
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

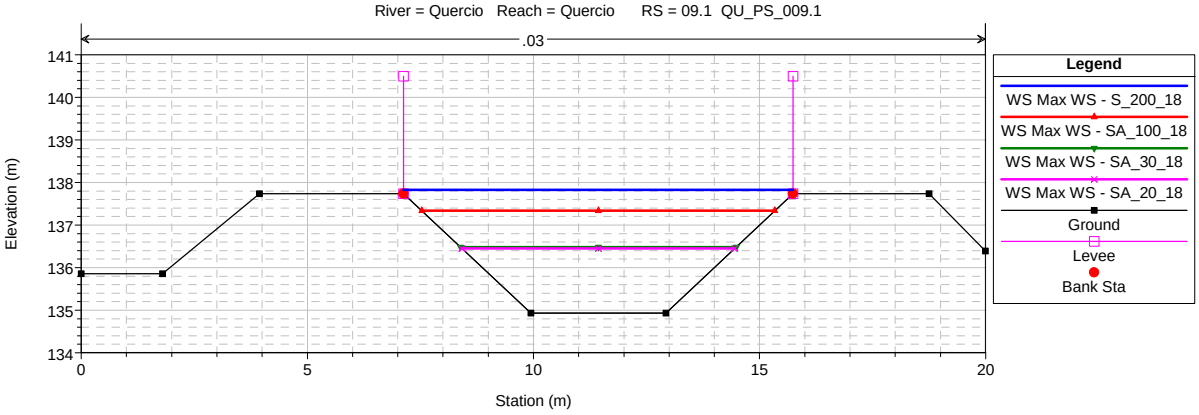
River = Quercio Reach = Quercio RS = 10 QU_PS_010



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

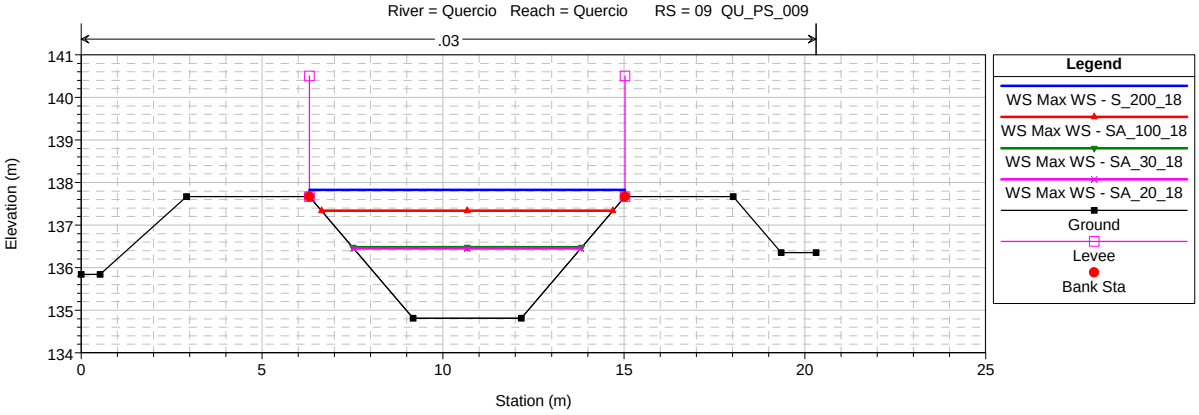
River = Quercio Reach = Quercio RS = 09.1 QU_PS_009.1



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

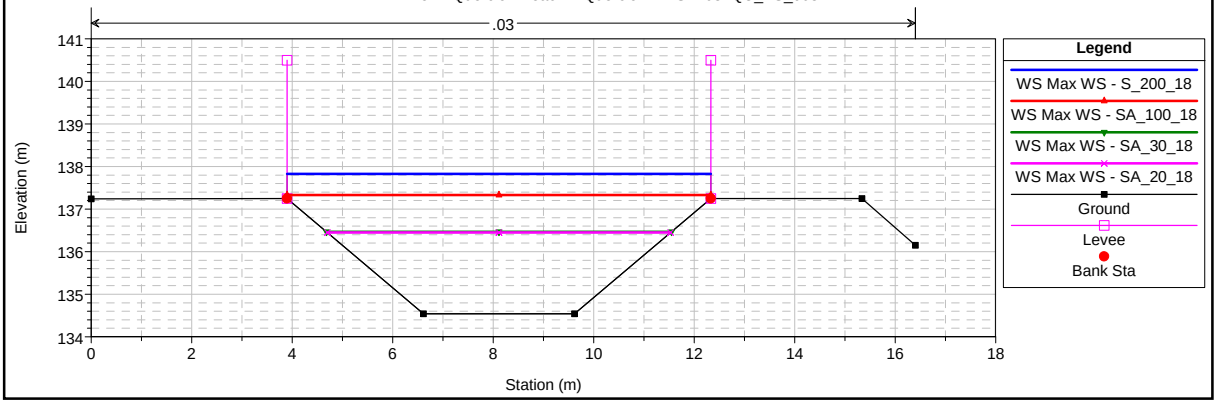
River = Quercio Reach = Quercio RS = 09 QU_PS_009

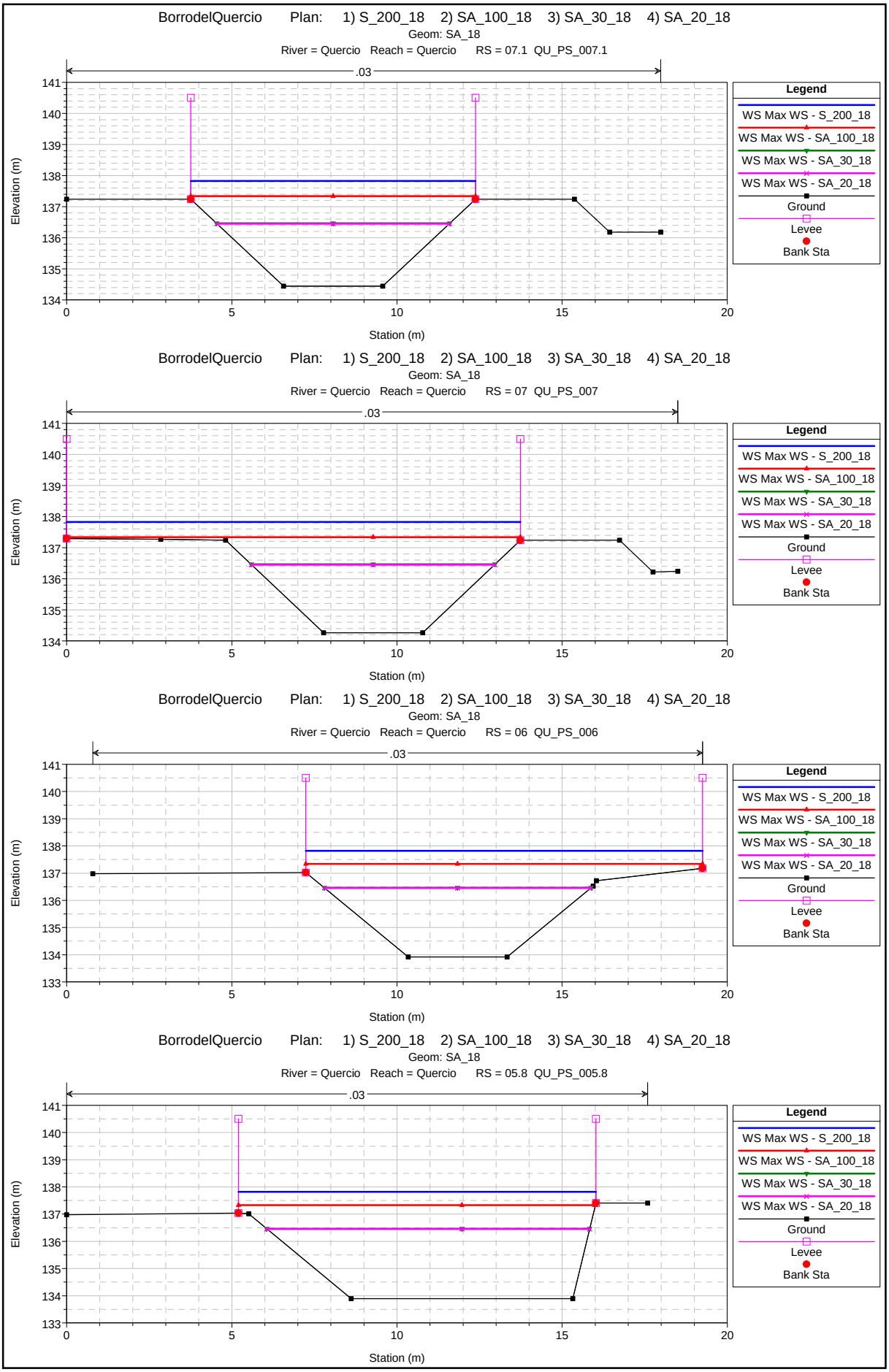


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

River = Quercio Reach = Quercio RS = 08 QU_PS_008

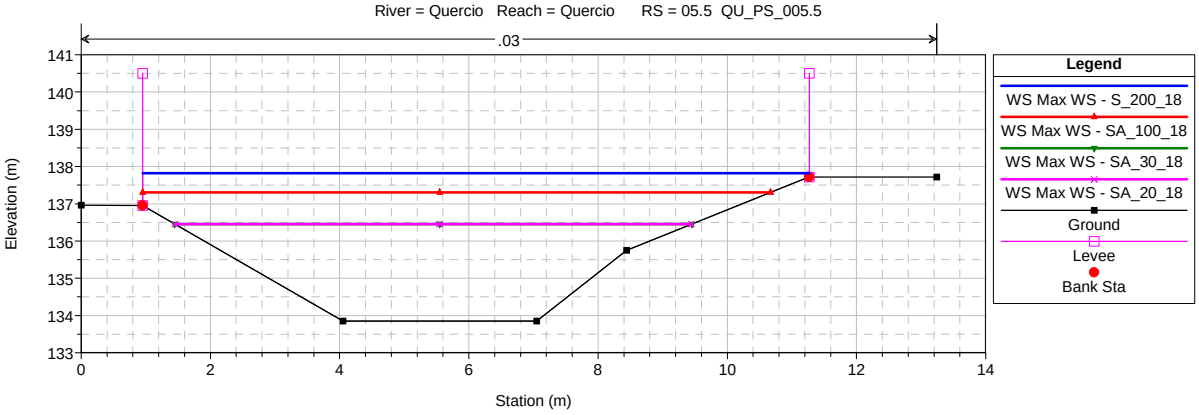



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 07.1 QU_PS_007.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 07 QU_PS_007
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 06 QU_PS_006
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 05.8 QU_PS_005.8
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

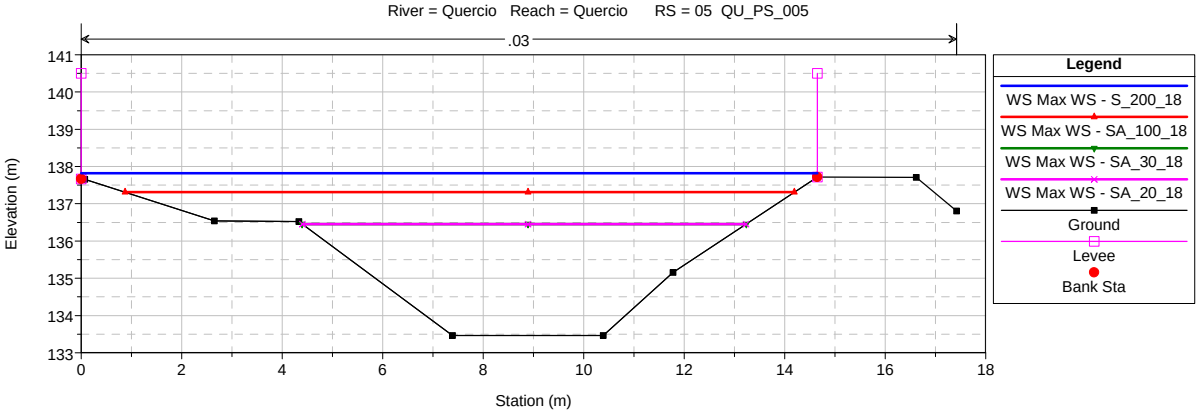
River = Quercio Reach = Quercio RS = 05.5 QU_PS_005.5



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

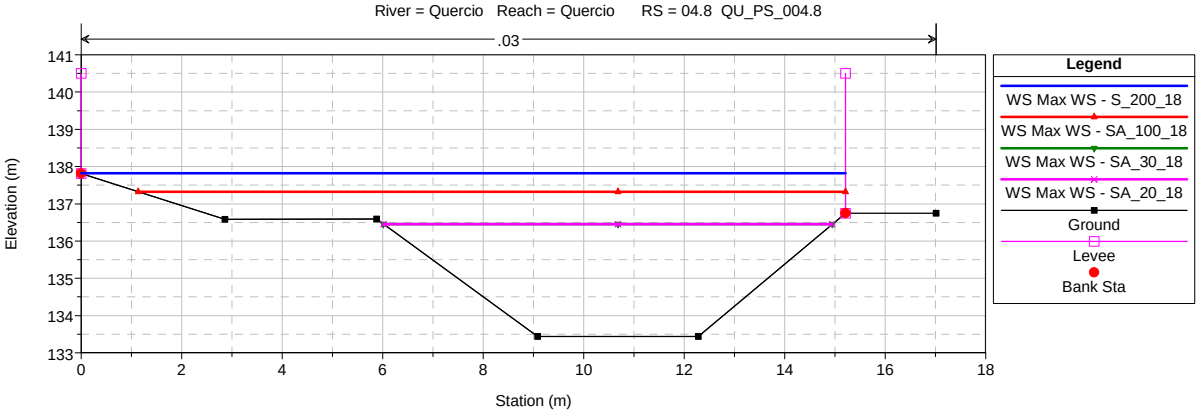
River = Quercio Reach = Quercio RS = 05 QU_PS_005



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

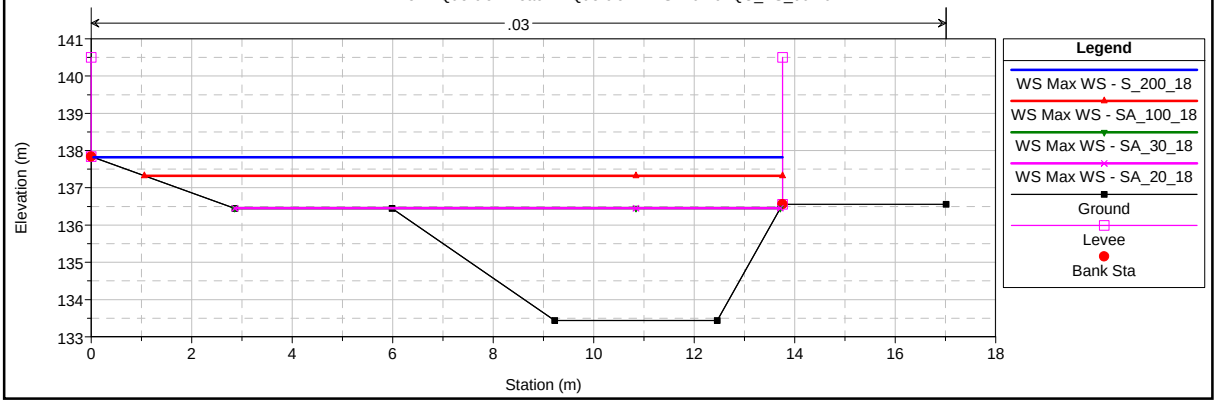
River = Quercio Reach = Quercio RS = 04.8 QU_PS_004.8



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

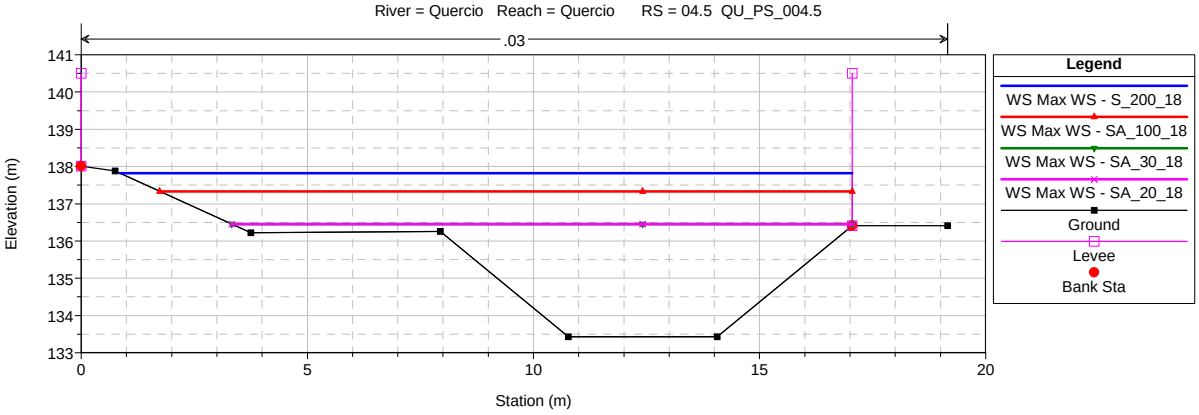
River = Quercio Reach = Quercio RS = 04.6 QU_PS_004.6



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

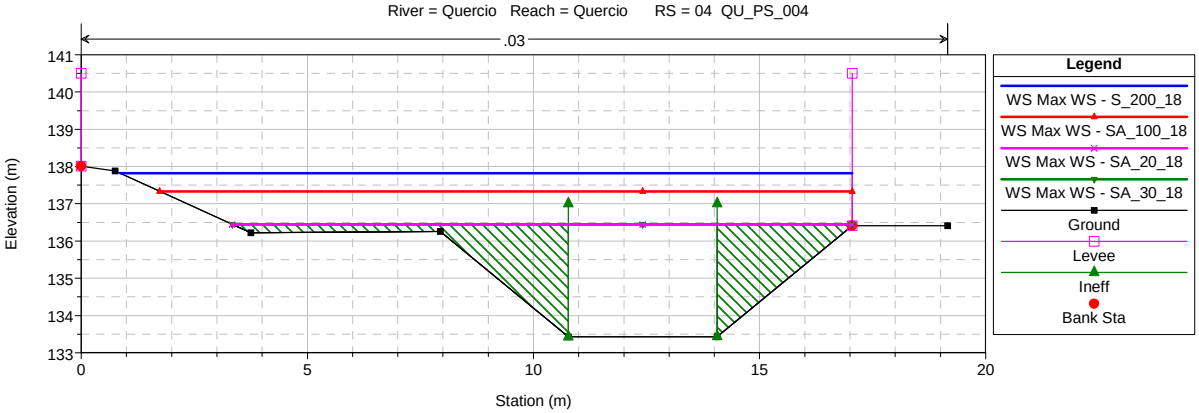
River = Quercio Reach = Quercio RS = 04.5 QU_PS_004.5



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

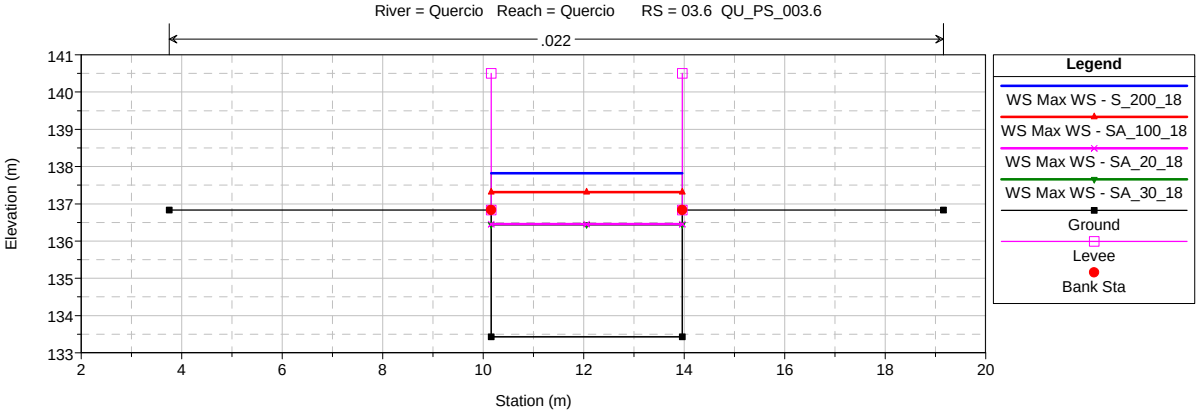
River = Quercio Reach = Quercio RS = 04 QU_PS_004



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

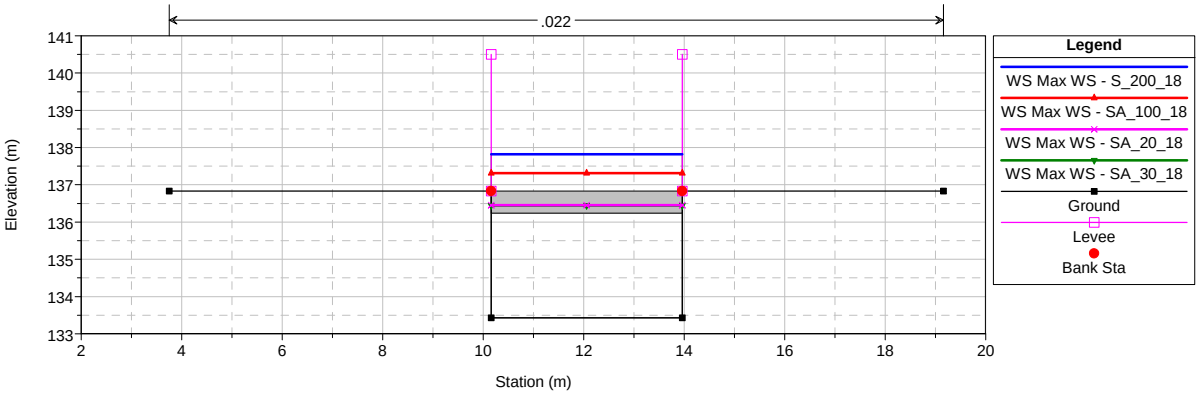
River = Quercio Reach = Quercio RS = 03.6 QU_PS_003.6



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

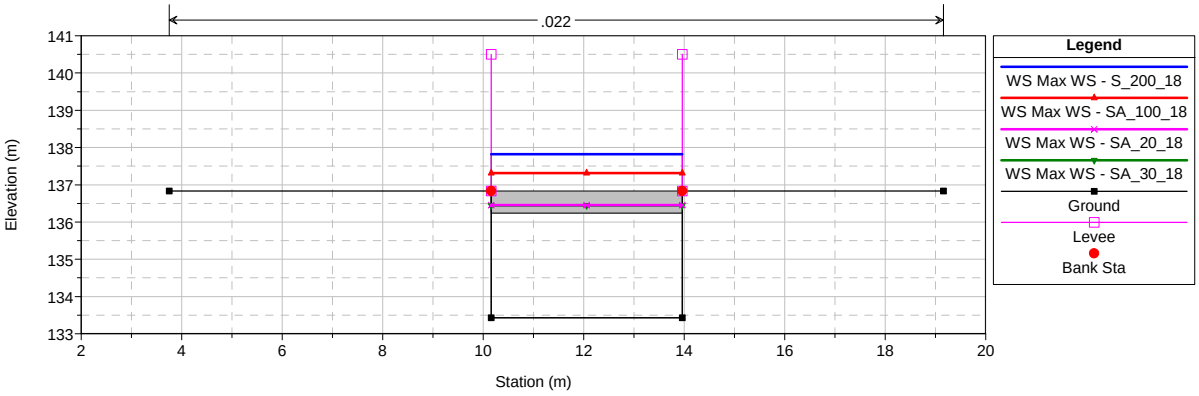
River = Quercio Reach = Quercio RS = 03.5 BR Ponte confluenza Arno



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

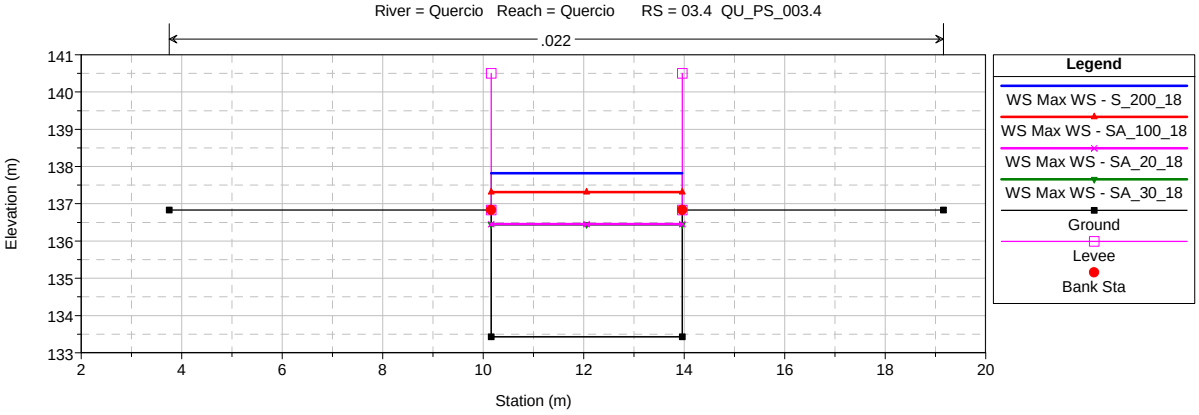
River = Quercio Reach = Quercio RS = 03.5 BR Ponte confluenza Arno



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

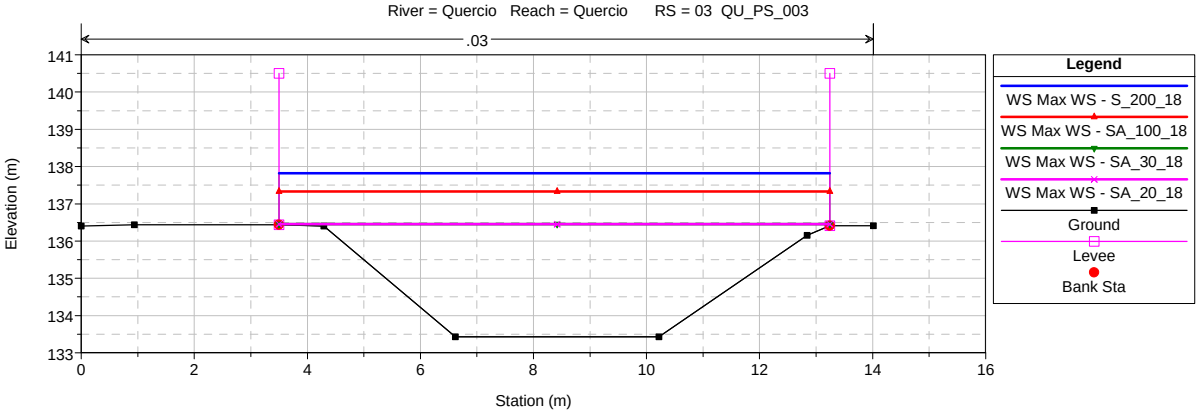
River = Quercio Reach = Quercio RS = 03.4 QU_PS_003.4



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

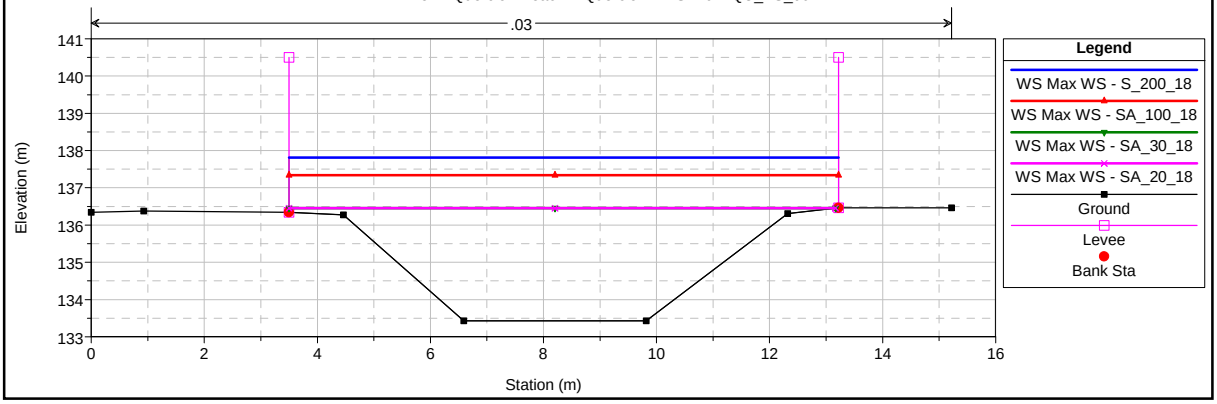
River = Quercio Reach = Quercio RS = 03 QU_PS_003

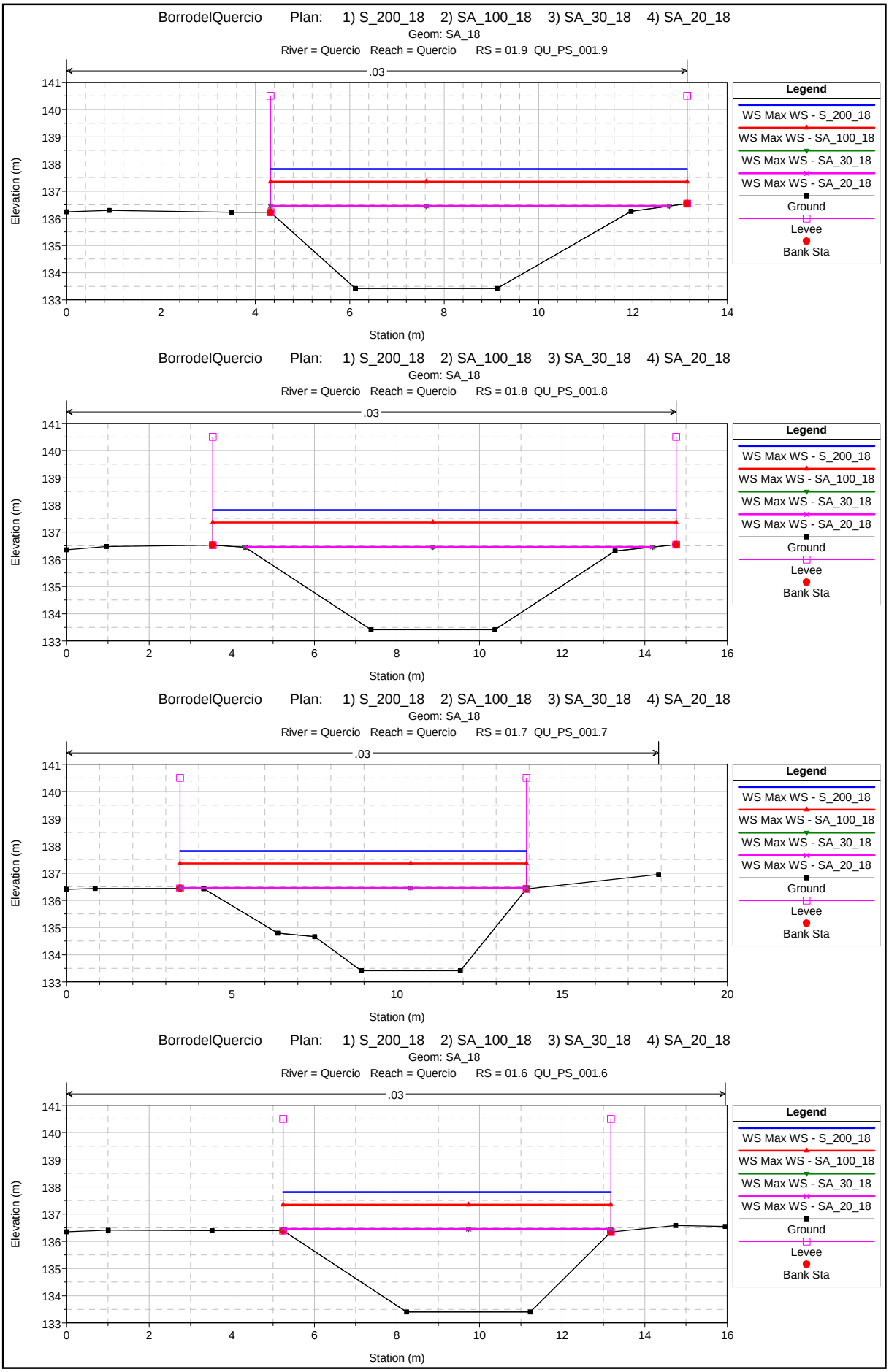


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

River = Quercio Reach = Quercio RS = 02 QU_PS_002

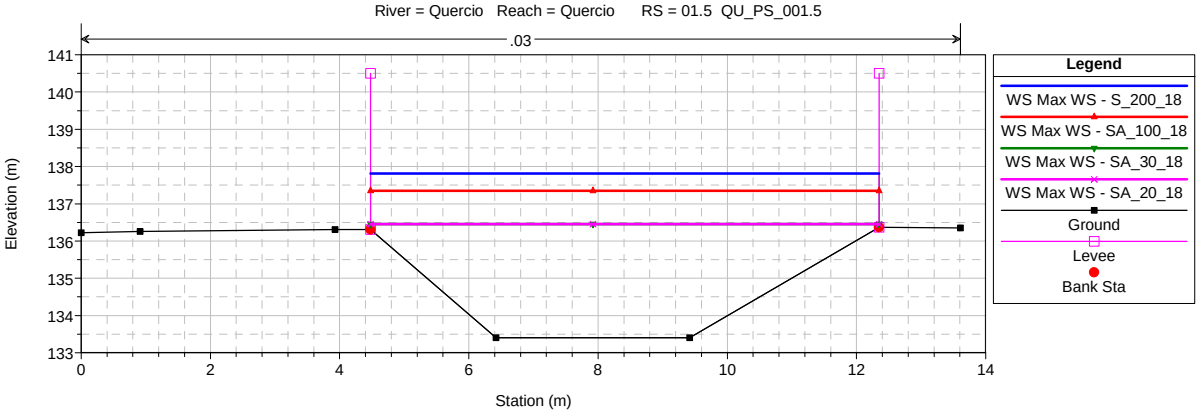



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01.9 QU_PS_001.9
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01.8 QU_PS_001.8
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01.7 QU_PS_001.7
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01.6 QU_PS_001.6
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

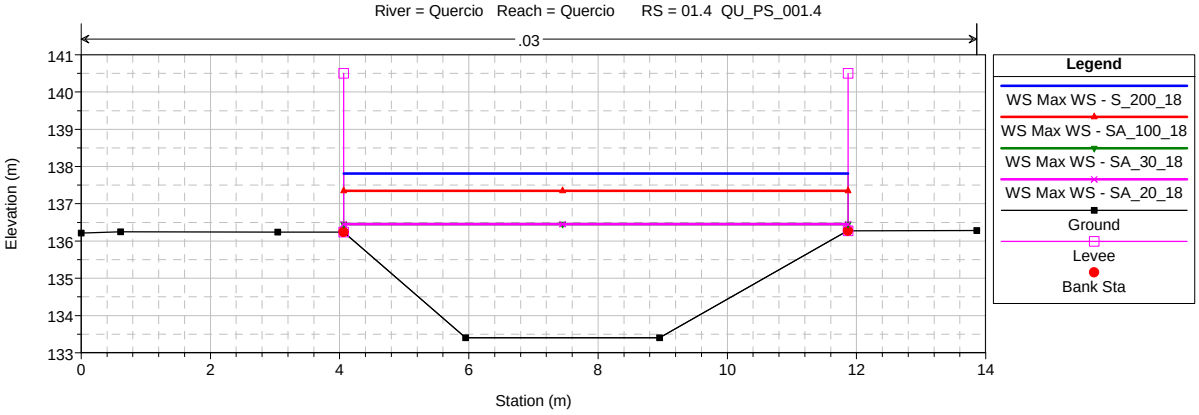
River = Quercio Reach = Quercio RS = 01.5 QU_PS_001.5



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

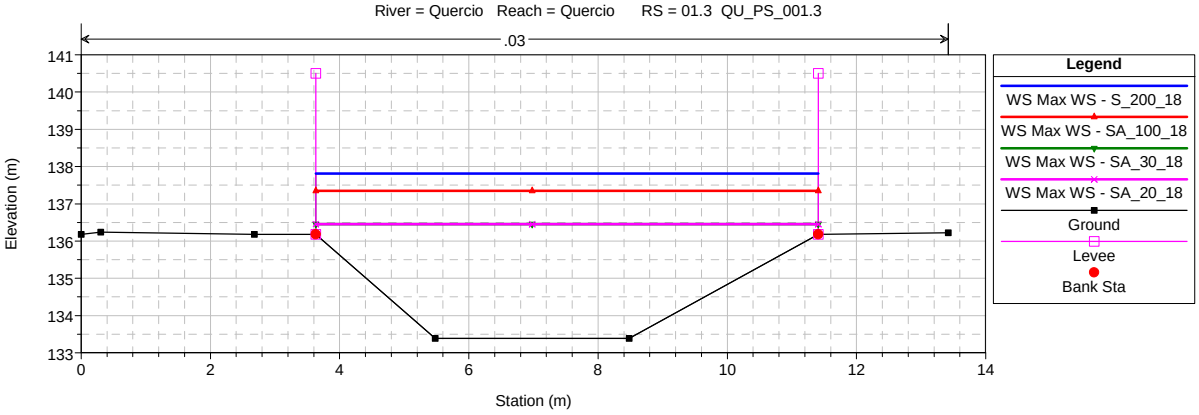
River = Quercio Reach = Quercio RS = 01.4 QU_PS_001.4



BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

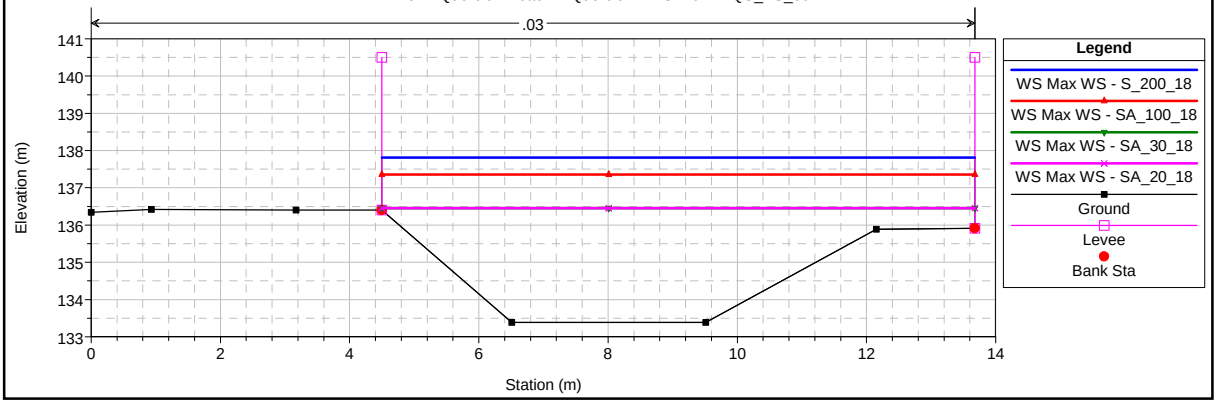
River = Quercio Reach = Quercio RS = 01.3 QU_PS_001.3

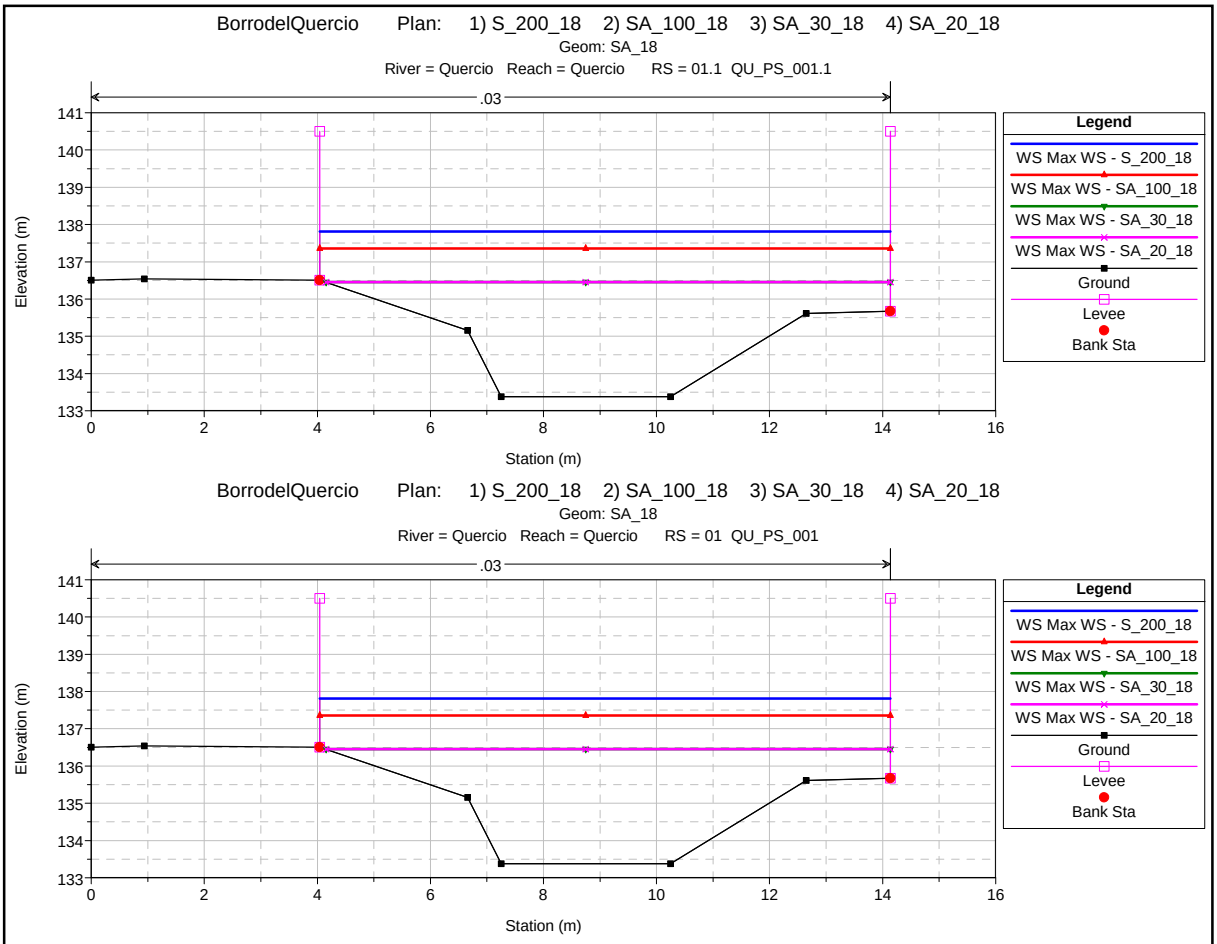


BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA_18

River = Quercio Reach = Quercio RS = 01.2 QU_PS_001.2




BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01.1 QU_PS_001.1
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelQuercio Plan: 1) S_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA_18
River = Quercio Reach = Quercio RS = 01 QU_PS_001
.03
Elevation (m)
Station (m)
Legend
WS Max WS - S_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	30	Max WS	S_200_18	10.54	137.58	138.68		138.95	0.005115	2.31	4.56	4.67	0.75
Quercio	30	Max WS	SA_100_18	9.00	137.58	138.56		138.81	0.005436	2.25	4.00	4.57	0.77
Quercio	30	Max WS	SA_30_18	6.83	137.58	138.39		138.62	0.005656	2.09	3.27	4.45	0.78
Quercio	30	Max WS	SA_20_18	1.69	137.58	137.92		138.01	0.005490	1.31	1.29	3.87	0.72
Quercio	29	Max WS	S_200_18	10.54	137.35	138.39		138.80	0.008619	2.83	3.72	4.01	0.94
Quercio	29	Max WS	SA_100_18	9.00	137.35	138.28	138.25	138.66	0.008953	2.74	3.29	3.93	0.96
Quercio	29	Max WS	SA_30_18	6.83	137.35	138.12	138.11	138.45	0.009262	2.54	2.69	3.82	0.97
Quercio	29	Max WS	SA_20_18	1.69	137.35	137.65	137.65	137.80	0.011375	1.72	0.98	3.35	1.02
Quercio	28.99			Lat Struct									
Quercio	28	Max WS	S_200_18	10.54	137.12	138.35		138.60	0.004095	2.18	4.84	4.36	0.66
Quercio	28	Max WS	SA_100_18	9.01	137.12	138.21		138.44	0.004437	2.14	4.21	4.26	0.69
Quercio	28	Max WS	SA_30_18	6.84	137.12	138.03		138.23	0.004474	1.98	3.46	4.13	0.69
Quercio	28	Max WS	SA_20_18	1.69	137.12	137.52		137.59	0.003739	1.17	1.44	3.76	0.60
Quercio	27	Max WS	S_200_18	10.54	137.09	138.27		138.52	0.004531	2.23	4.72	4.16	0.67
Quercio	27	Max WS	SA_100_18	9.01	137.09	138.11		138.36	0.005066	2.21	4.07	4.12	0.71
Quercio	27	Max WS	SA_30_18	6.84	137.09	137.93		138.14	0.005188	2.05	3.34	4.07	0.72
Quercio	27	Max WS	SA_20_18	1.69	137.09	137.42		137.51	0.005586	1.30	1.30	3.95	0.72
Quercio	26	Max WS	S_200_18	10.54	136.92	138.19		138.42	0.004121	2.13	4.95	4.25	0.63
Quercio	26	Max WS	SA_100_18	9.00	136.92	138.00		138.24	0.004926	2.16	4.17	4.20	0.69
Quercio	26	Max WS	SA_30_18	6.83	136.92	137.81		138.02	0.005321	2.03	3.36	4.16	0.72
Quercio	26	Max WS	SA_20_18	1.69	136.92	137.27		137.37	0.006682	1.43	1.18	3.45	0.78
Quercio	25	Max WS	S_200_18	10.54	136.80	138.16		138.35	0.003167	1.93	5.46	4.54	0.56
Quercio	25	Max WS	SA_100_18	9.00	136.80	137.95		138.15	0.003931	1.98	4.54	4.46	0.63
Quercio	25	Max WS	SA_30_18	6.83	136.80	137.74		137.92	0.004434	1.89	3.61	4.38	0.66
Quercio	25	Max WS	SA_20_18	1.69	136.80	137.15		137.25	0.006053	1.37	1.23	3.54	0.74
Quercio	24	Max WS	S_200_18	10.54	136.58	138.04		138.25	0.003315	1.99	5.31	3.93	0.55
Quercio	24	Max WS	SA_100_18	9.00	136.58	137.82		138.03	0.004053	2.04	4.42	3.88	0.61
Quercio	24	Max WS	SA_30_18	6.83	136.58	137.61		137.79	0.004153	1.89	3.61	3.84	0.62
Quercio	24	Max WS	SA_20_18	1.69	136.58	137.03		137.10	0.003522	1.18	1.43	3.22	0.57
Quercio	23.5	Max WS	S_200_18	10.54	136.55	137.96		138.22	0.004625	2.26	4.67	3.58	0.63

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	23.5	Max WS	SA_100_18	9.00	136.55	137.70		137.99	0.006142	2.39	3.77	3.53	0.74
Quercio	23.5	Max WS	SA_30_18	6.83	136.55	137.50		137.76	0.006392	2.23	3.07	3.49	0.76
Quercio	23.5	Max WS	SA_20_18	1.69	136.55	136.98		137.07	0.004578	1.31	1.29	3.03	0.64
Quercio	23	Max WS	S_200_18	10.54	136.48	137.88		138.18	0.005732	2.41	4.37	3.54	0.69
Quercio	23	Max WS	SA_100_18	9.00	136.48	137.59		137.96	0.008922	2.69	3.35	3.48	0.88
Quercio	23	Max WS	SA_30_18	6.83	136.48	137.40		137.73	0.009724	2.54	2.69	3.45	0.92
Quercio	23	Max WS	SA_20_18	1.69	136.48	136.90	136.90	137.05	0.013085	1.74	0.98	3.35	1.03
Quercio	21	Max WS	S_200_18	10.54	136.38	137.93		138.12	0.002975	1.94	5.43	3.66	0.51
Quercio	21	Max WS	SA_100_18	9.00	136.38	137.62		137.84	0.004151	2.10	4.29	3.59	0.61
Quercio	21	Max WS	SA_30_18	6.83	136.38	137.39		137.59	0.004290	1.96	3.48	3.55	0.63
Quercio	21	Max WS	SA_20_18	1.69	136.38	136.85		136.91	0.002692	1.07	1.58	3.44	0.50
Quercio	20	Max WS	S_200_18	10.54	136.36	137.94		138.09	0.002869	1.70	6.19	4.84	0.48
Quercio	20	Max WS	SA_100_18	9.00	136.36	137.59		137.79	0.004854	1.97	4.57	4.43	0.62
Quercio	20	Max WS	SA_30_18	6.83	136.36	137.32		137.52	0.006324	2.00	3.42	4.12	0.70
Quercio	20	Max WS	SA_20_18	1.69	136.36	136.77		136.85	0.006152	1.27	1.33	3.48	0.65
Quercio	19	Max WS	S_200_18	10.54	136.19	137.91		138.03	0.002155	1.53	6.88	5.00	0.42
Quercio	19	Max WS	SA_100_18	9.00	136.19	137.52		137.68	0.003722	1.79	5.03	4.55	0.54
Quercio	19	Max WS	SA_30_18	6.83	136.19	137.21		137.38	0.005249	1.87	3.65	4.19	0.64
Quercio	19	Max WS	SA_20_18	1.69	136.19	136.68		136.74	0.003417	1.04	1.62	3.58	0.49
Quercio	18	Max WS	S_200_18	10.54	136.14	137.90		137.98	0.001327	1.26	8.39	6.51	0.35
Quercio	18	Max WS	SA_100_18	9.00	136.14	137.48		137.61	0.002624	1.54	5.83	5.68	0.49
Quercio	18	Max WS	SA_30_18	6.83	136.14	137.08		137.26	0.005349	1.84	3.71	4.88	0.67
Quercio	18	Max WS	SA_20_18	1.69	136.14	136.58		136.64	0.004403	1.11	1.52	3.88	0.57
Quercio	17.99			Lat Struct									
Quercio	17.98			Lat Struct									
Quercio	17	Max WS	S_200_18	10.54	135.86	137.87		137.93	0.000804	1.04	10.09	7.03	0.28
Quercio	17	Max WS	SA_100_18	8.99	135.86	137.42		137.50	0.001537	1.27	7.08	6.11	0.38
Quercio	17	Max WS	SA_30_18	6.83	135.86	136.83		136.99	0.004812	1.77	3.85	4.94	0.64
Quercio	17	Max WS	SA_20_18	1.22	135.86	136.47		136.48	0.000778	0.56	2.20	4.22	0.25

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	16	Max WS	S_200_18	10.54	135.67	137.86		137.92	0.000570	1.00	10.52	6.69	0.25
Quercio	16	Max WS	SA_100_18	8.99	135.67	137.40		137.47	0.001081	1.20	7.52	6.22	0.35
Quercio	16	Max WS	SA_30_18	6.83	135.67	136.79		136.92	0.002584	1.59	4.29	4.61	0.53
Quercio	16	Max WS	SA_20_18	1.22	135.67	136.46		136.47	0.000273	0.43	2.85	4.29	0.17
Quercio	15	Max WS	S_200_18	10.54	135.62	137.84		137.90	0.000703	1.13	9.36	5.42	0.27
Quercio	15	Max WS	SA_100_18	8.99	135.62	137.36		137.45	0.001166	1.30	6.90	4.94	0.35
Quercio	15	Max WS	SA_30_18	6.83	135.62	136.71		136.86	0.003153	1.74	3.92	4.19	0.58
Quercio	15	Max WS	SA_20_18	1.22	135.62	136.46		136.47	0.000236	0.42	2.91	3.94	0.16
Quercio	14	Max WS	S_200_18	10.54	135.57	137.83		137.89	0.000657	1.10	9.59	5.46	0.26
Quercio	14	Max WS	SA_100_18	7.00	135.57	137.35		137.40	0.000652	0.98	7.10	4.98	0.26
Quercio	14	Max WS	SA_30_18	6.83	135.57	136.64		136.80	0.003300	1.77	3.85	4.18	0.59
Quercio	14	Max WS	SA_20_18	1.22	135.57	136.46		136.47	0.000196	0.39	3.10	4.00	0.14
Quercio	13	Max WS	S_200_18	8.07	135.52	137.82		137.85	0.000363	0.82	9.81	5.50	0.20
Quercio	13	Max WS	SA_100_18	7.00	135.52	137.34		137.39	0.000607	0.96	7.29	5.02	0.25
Quercio	13	Max WS	SA_30_18	6.82	135.52	136.57		136.74	0.003498	1.81	3.77	4.15	0.61
Quercio	13	Max WS	SA_20_18	1.22	135.52	136.46		136.46	0.000166	0.37	3.29	4.04	0.13
Quercio	12	Max WS	S_200_18	10.54	135.47	137.83		137.87	0.000430	0.91	11.63	6.85	0.22
Quercio	12	Max WS	SA_100_18	7.00	135.47	137.35		137.38	0.000469	0.83	8.44	6.37	0.23
Quercio	12	Max WS	SA_30_18	6.82	135.47	136.54		136.68	0.003018	1.68	4.06	4.56	0.57
Quercio	12	Max WS	SA_20_18	1.23	135.47	136.45		136.46	0.000130	0.33	3.68	4.48	0.12
Quercio	11	Max WS	S_200_18	10.54	135.31	137.83		137.86	0.000337	0.76	13.94	8.05	0.18
Quercio	11	Max WS	SA_100_18	7.00	135.31	137.35		137.37	0.000338	0.68	10.28	7.08	0.18
Quercio	11	Max WS	SA_30_18	6.81	135.31	136.55		136.64	0.001997	1.29	5.27	5.48	0.42
Quercio	11	Max WS	SA_20_18	1.23	135.31	136.45		136.46	0.000087	0.26	4.74	5.29	0.09
Quercio	10	Max WS	S_200_18	10.42	135.05	137.83		137.85	0.000225	0.65	16.04	8.50	0.15
Quercio	10	Max WS	SA_100_18	7.00	135.05	137.34		137.36	0.000216	0.58	12.12	7.58	0.15
Quercio	10	Max WS	SA_30_18	6.80	135.05	136.50		136.55	0.001148	1.06	6.43	5.89	0.32
Quercio	10	Max WS	SA_20_18	1.22	135.05	136.45		136.45	0.000042	0.20	6.18	5.81	0.06
Quercio	09.1	Max WS	S_200_18	10.15	134.93	137.83		137.84	0.000181	0.60	17.03	8.61	0.14
Quercio	09.1	Max WS	SA_100_18	6.99	134.93	137.34		137.35	0.000179	0.54	13.00	7.81	0.13
Quercio	09.1	Max WS	SA_30_18	5.34	134.93	136.48		136.51	0.000546	0.76	7.06	6.10	0.22

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	09.1	Max WS	SA_20_18	1.22	134.93	136.45		136.45	0.000031	0.18	6.87	6.03	0.05
Quercio	09	Max WS	S_200_18	9.90	134.81	137.83		137.84	0.000146	0.55	18.10	8.72	0.12
Quercio	09	Max WS	SA_100_18	6.99	134.81	137.34		137.35	0.000148	0.50	13.95	8.05	0.12
Quercio	09	Max WS	SA_30_18	5.32	134.81	136.48		136.50	0.000416	0.68	7.78	6.33	0.20
Quercio	09	Max WS	SA_20_18	1.22	134.81	136.45		136.45	0.000023	0.16	7.61	6.28	0.05
Quercio	08	Max WS	S_200_18	9.04	134.54	137.83		137.84	0.000086	0.44	20.36	8.43	0.09
Quercio	08	Max WS	SA_100_18	6.82	134.54	137.33		137.34	0.000093	0.42	16.21	8.43	0.10
Quercio	08	Max WS	SA_30_18	5.32	134.54	136.47		136.48	0.000240	0.56	9.53	6.87	0.15
Quercio	08	Max WS	SA_20_18	1.22	134.54	136.45		136.45	0.000013	0.13	9.41	6.83	0.04
Quercio	07.1	Max WS	S_200_18	8.77	134.44	137.83		137.83	0.000072	0.41	21.31	8.62	0.08
Quercio	07.1	Max WS	SA_100_18	5.69	134.44	137.34		137.34	0.000056	0.33	17.11	8.62	0.08
Quercio	07.1	Max WS	SA_30_18	5.32	134.44	136.46		136.48	0.000200	0.52	10.19	7.06	0.14
Quercio	07.1	Max WS	SA_20_18	1.22	134.44	136.45		136.45	0.000011	0.12	10.09	7.04	0.03
Quercio	07	Max WS	S_200_18	8.52	134.26	137.83		137.83	0.000059	0.33	25.68	13.74	0.08
Quercio	07	Max WS	SA_100_18	4.45	134.26	137.34		137.34	0.000040	0.23	19.02	13.74	0.06
Quercio	07	Max WS	SA_30_18	5.32	134.26	136.46		136.47	0.000146	0.46	11.44	7.38	0.12
Quercio	07	Max WS	SA_20_18	1.22	134.26	136.45		136.45	0.000008	0.11	11.35	7.36	0.03
Quercio	06	Max WS	S_200_18	8.41	133.92	137.82		137.83	0.000035	0.29	28.69	12.01	0.06
Quercio	06	Max WS	SA_100_18	-4.45	133.92	137.34		137.34	0.000019	-0.19	22.90	12.01	0.04
Quercio	06	Max WS	SA_30_18	5.33	133.92	136.46		136.47	0.000084	0.38	14.05	8.08	0.09
Quercio	06	Max WS	SA_20_18	1.21	133.92	136.45		136.45	0.000004	0.09	13.98	8.06	0.02
Quercio	05.8	Max WS	S_200_18	8.39	133.89	137.82		137.83	0.000018	0.24	35.53	10.82	0.04
Quercio	05.8	Max WS	SA_100_18	-10.64	133.89	137.33		137.34	0.000045	-0.35	30.20	10.80	0.07
Quercio	05.8	Max WS	SA_30_18	5.33	133.89	136.46		136.46	0.000030	0.25	21.20	9.78	0.05
Quercio	05.8	Max WS	SA_20_18	1.21	133.89	136.45		136.45	0.000002	0.06	21.09	9.76	0.01
Quercio	05.5	Max WS	S_200_18	8.40	133.85	137.82		137.83	0.000038	0.31	26.69	10.32	0.06
Quercio	05.5	Max WS	SA_100_18	-10.68	133.85	137.31		137.32	0.000111	-0.50	21.52	9.72	0.11
Quercio	05.5	Max WS	SA_30_18	5.33	133.85	136.46		136.46	0.000089	0.38	13.87	8.01	0.09
Quercio	05.5	Max WS	SA_20_18	1.21	133.85	136.45		136.45	0.000005	0.09	13.83	7.99	0.02
Quercio	05	Max WS	S_200_18	9.15	133.46	137.82		137.83	0.000027	0.26	34.64	14.65	0.05

HEC-RAS River: Quercio Reach: Quercio 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)	
Quercio	05	Max WS	SA_100_18	-16.43	133.46	137.31		137.33	0.000162	-0.60	27.43	13.32	0.13
Quercio	05	Max WS	SA_30_18	5.33	133.46	136.46		136.46	0.000048	0.31	17.41	8.84	0.07
Quercio	05	Max WS	SA_20_18	1.21	133.46	136.45		136.45	0.000002	0.07	17.35	8.83	0.02
Quercio	04.8	Max WS	S_200_18	9.57	133.44	137.82		137.82	0.000026	0.26	36.51	15.21	0.05
Quercio	04.8	Max WS	SA_100_18	-17.34	133.44	137.32		137.34	0.000161	-0.59	29.19	14.07	0.13
Quercio	04.8	Max WS	SA_30_18	5.34	133.44	136.46		136.46	0.000041	0.29	18.30	8.93	0.07
Quercio	04.8	Max WS	SA_20_18	1.21	133.44	136.45		136.45	0.000002	0.07	18.25	8.92	0.01
Quercio	04.6	Max WS	S_200_18	2.78	133.44	137.82		137.82	0.000003	0.08	33.35	13.72	0.02
Quercio	04.6	Max WS	SA_100_18	-16.39	133.44	137.33		137.34	0.000182	-0.61	26.83	12.70	0.13
Quercio	04.6	Max WS	SA_30_18	5.34	133.44	136.45		136.46	0.000075	0.32	16.55	10.87	0.08
Quercio	04.6	Max WS	SA_20_18	1.21	133.44	136.45		136.45	0.000003	0.07	16.50	7.72	0.02
Quercio	04.5	Max WS	S_200_18	10.18	133.43	137.82		137.82	0.000023	0.25	40.46	16.19	0.05
Quercio	04.5	Max WS	SA_100_18	-16.32	133.43	137.33		137.35	0.000107	-0.50	32.81	15.31	0.11
Quercio	04.5	Max WS	SA_30_18	5.31	133.43	136.46		136.46	0.000048	0.27	20.05	13.73	0.07
Quercio	04.5	Max WS	SA_20_18	1.18	133.43	136.45		136.45	0.000002	0.06	19.98	13.72	0.02
Quercio	04	Max WS	S_200_18	10.54	133.43	137.82		137.82	0.000025	0.26	40.45	16.19	0.05
Quercio	04	Max WS	SA_100_18	-16.26	133.43	137.34		137.35	0.000106	-0.50	32.83	15.31	0.11
Quercio	04	Max WS	SA_30_18	5.16	133.43	136.45		136.46	0.000056	0.52	9.93	13.71	0.10
Quercio	04	Max WS	SA_20_18	1.02	133.43	136.45		136.45	0.000002	0.10	9.95	13.72	0.02
Quercio	03.6	Max WS	S_200_18	0.98	133.43	137.82	133.62	137.82	0.000001	0.06	16.67	3.80	0.01
Quercio	03.6	Max WS	SA_100_18	-9.34	133.43	137.31		137.33	0.000140	-0.63	14.74	3.80	0.10
Quercio	03.6	Max WS	SA_30_18	5.16	133.43	136.45	134.00	136.46	0.000080	0.45	11.47	3.80	0.08
Quercio	03.6	Max WS	SA_20_18	1.02	133.43	136.45	133.62	136.45	0.000003	0.09	11.48	3.80	0.02
Quercio	03.5			Bridge									
Quercio	03.4	Max WS	S_200_18	0.98	133.43	137.82		137.82	0.000001	0.06	16.67	3.80	0.01
Quercio	03.4	Max WS	SA_100_18	-9.34	133.43	137.31		137.33	0.000140	-0.63	14.75	3.80	0.10
Quercio	03.4	Max WS	SA_30_18	5.16	133.43	136.45		136.46	0.000080	0.45	11.47	3.80	0.08
Quercio	03.4	Max WS	SA_20_18	1.02	133.43	136.45		136.45	0.000003	0.09	11.48	3.80	0.02
Quercio	03	Max WS	S_200_18	2.55	133.43	137.82		137.82	0.000002	0.08	32.21	9.74	0.01
Quercio	03	Max WS	SA_100_18	-16.11	133.43	137.33		137.35	0.000128	-0.59	27.50	9.74	0.11

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

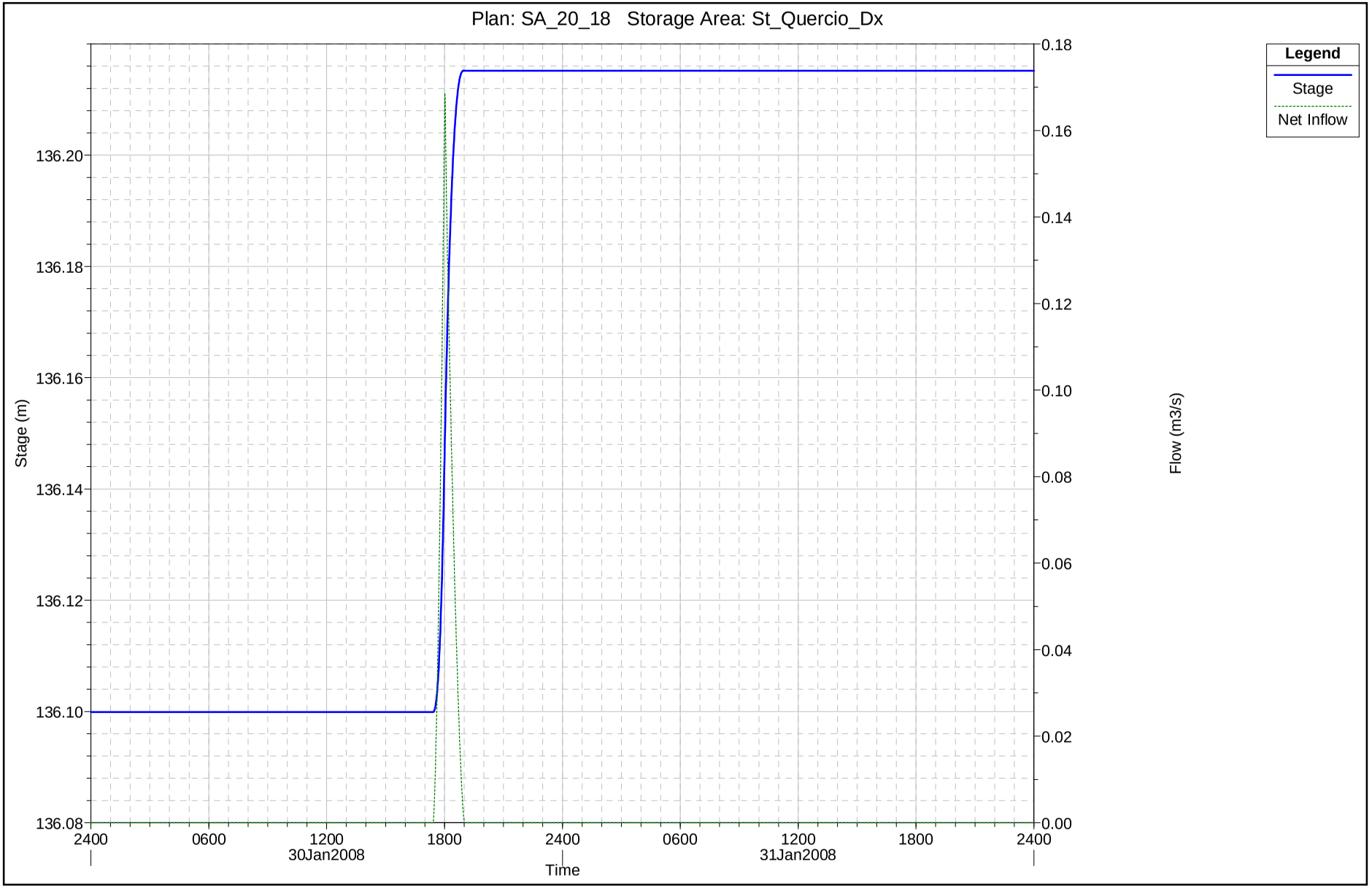
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Quercio	03	Max WS	SA_30_18	5.16	133.43	136.46		136.46	0.000038	0.27	18.94	9.74	0.06
Quercio	03	Max WS	SA_20_18	1.02	133.43	136.45		136.45	0.000002	0.05	18.89	9.74	0.01
Quercio	02	Max WS	S_200_18	1.77	133.43	137.81		137.81	0.000001	0.06	30.56	9.72	0.01
Quercio	02	Max WS	SA_100_18	-16.78	133.43	137.34		137.36	0.000170	-0.65	25.99	9.72	0.13
Quercio	02	Max WS	SA_30_18	5.16	133.43	136.45		136.46	0.000052	0.30	17.33	9.67	0.07
Quercio	02	Max WS	SA_20_18	1.00	133.43	136.45		136.45	0.000002	0.06	17.31	9.66	0.01
Quercio	01.9	Max WS	S_200_18	1.77	133.42	137.81		137.81	0.000001	0.06	28.69	8.83	0.01
Quercio	01.9	Max WS	SA_100_18	-16.78	133.42	137.35		137.37	0.000189	-0.68	24.56	8.83	0.13
Quercio	01.9	Max WS	SA_30_18	5.16	133.42	136.45		136.46	0.000052	0.31	16.68	8.45	0.07
Quercio	01.9	Max WS	SA_20_18	1.00	133.42	136.45		136.45	0.000002	0.06	16.67	8.45	0.01
Quercio	01.8	Max WS	S_200_18	3.05	133.41	137.81		137.81	0.000003	0.09	33.68	11.22	0.02
Quercio	01.8	Max WS	SA_100_18	-16.78	133.41	137.35		137.37	0.000136	-0.59	28.52	11.22	0.12
Quercio	01.8	Max WS	SA_30_18	5.16	133.41	136.45		136.46	0.000041	0.28	18.47	9.89	0.07
Quercio	01.8	Max WS	SA_20_18	1.00	133.41	136.45		136.45	0.000002	0.05	18.45	9.86	0.01
Quercio	01.7	Max WS	S_200_18	10.53	133.41	137.81		137.82	0.000032	0.31	33.69	10.49	0.06
Quercio	01.7	Max WS	SA_100_18	-16.78	133.41	137.35		137.37	0.000127	-0.58	28.88	10.49	0.11
Quercio	01.7	Max WS	SA_30_18	5.16	133.41	136.45		136.46	0.000038	0.27	19.41	10.49	0.06
Quercio	01.7	Max WS	SA_20_18	1.00	133.41	136.45		136.45	0.000001	0.05	19.39	10.49	0.01
Quercio	01.6	Max WS	S_200_18	1.24	133.40	137.81		137.81	0.000001	0.04	27.70	7.94	0.01
Quercio	01.6	Max WS	SA_100_18	-16.78	133.40	137.35		137.37	0.000188	-0.70	24.01	7.94	0.13
Quercio	01.6	Max WS	SA_30_18	5.16	133.40	136.45		136.46	0.000047	0.31	16.89	7.94	0.07
Quercio	01.6	Max WS	SA_20_18	1.00	133.40	136.45		136.45	0.000002	0.06	16.88	7.94	0.01
Quercio	01.5	Max WS	S_200_18	0.98	133.40	137.81		137.81	0.000000	0.04	27.55	7.87	0.01
Quercio	01.5	Max WS	SA_100_18	-16.78	133.40	137.35		137.37	0.000191	-0.70	23.90	7.87	0.13
Quercio	01.5	Max WS	SA_30_18	5.16	133.40	136.45		136.46	0.000047	0.31	16.84	7.87	0.07
Quercio	01.5	Max WS	SA_20_18	1.00	133.40	136.45		136.45	0.000002	0.06	16.83	7.87	0.01
Quercio	01.4	Max WS	S_200_18	0.98	133.40	137.81		137.81	0.000000	0.04	27.57	7.81	0.01
Quercio	01.4	Max WS	SA_100_18	-16.78	133.40	137.35		137.37	0.000189	-0.70	23.96	7.81	0.13
Quercio	01.4	Max WS	SA_30_18	5.16	133.40	136.45		136.46	0.000046	0.30	16.94	7.81	0.07
Quercio	01.4	Max WS	SA_20_18	1.00	133.40	136.45		136.45	0.000002	0.06	16.93	7.81	0.01

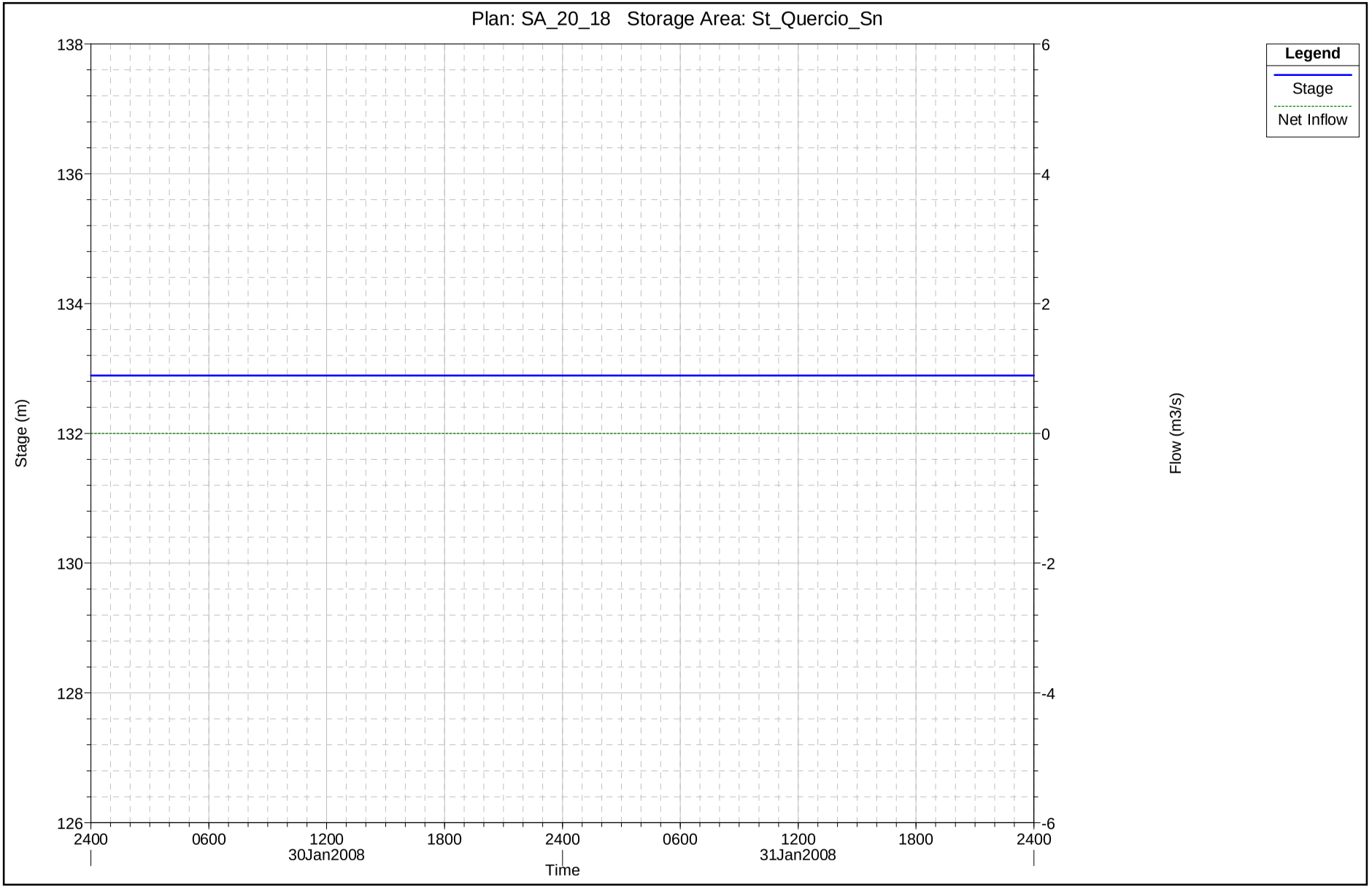
HEC-RAS River: Quercio Reach: Quercio Profile: Max WS (Continued)

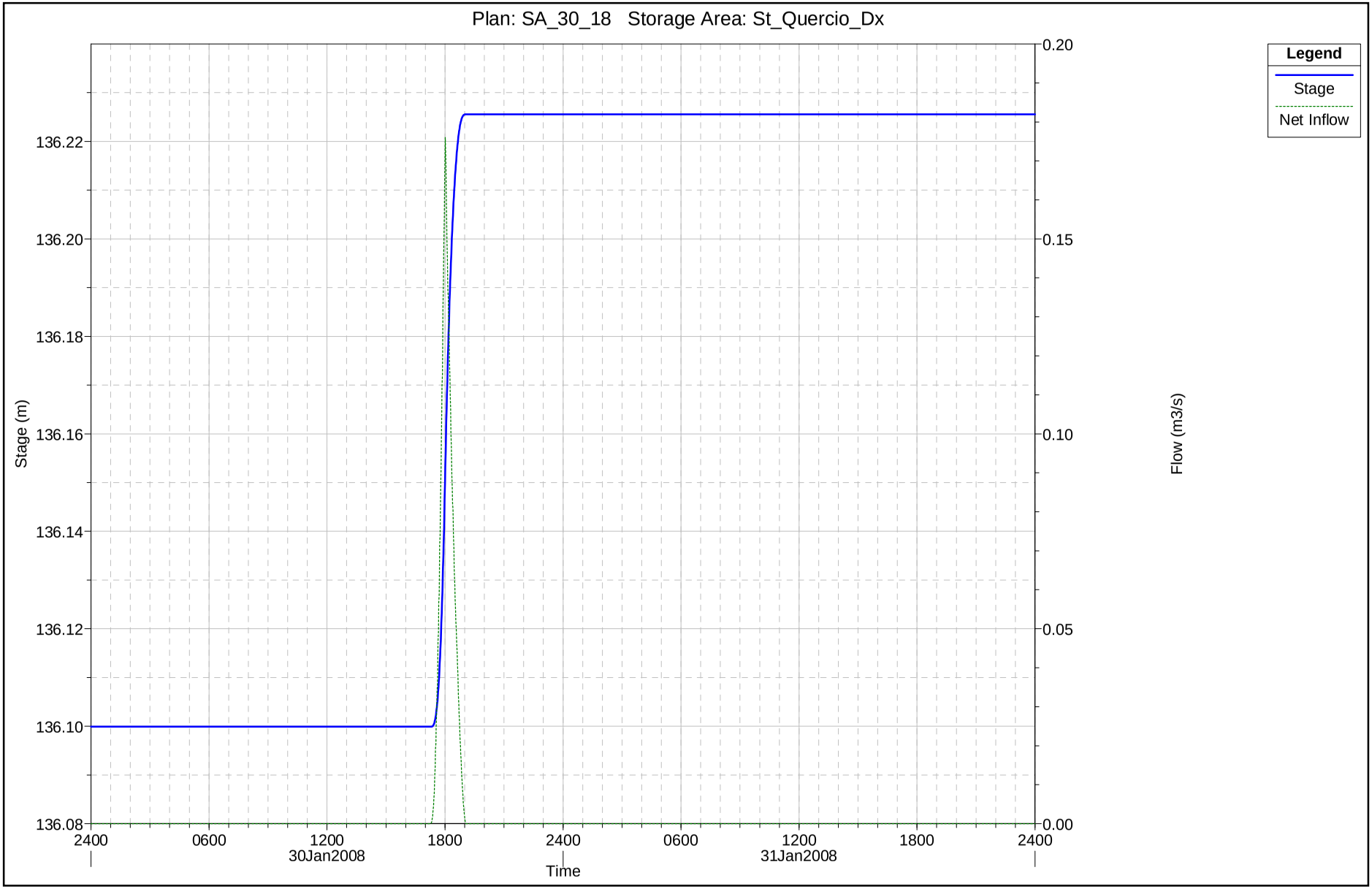
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Quercio	01.3	Max WS	S_200_18	0.72	133.39	137.81		137.81	0.000000	0.03	27.73	7.78	0.00
Quercio	01.3	Max WS	SA_100_18	-16.78	133.39	137.35		137.38	0.000185	-0.69	24.15	7.78	0.13
Quercio	01.3	Max WS	SA_30_18	5.16	133.39	136.45		136.46	0.000045	0.30	17.14	7.78	0.06
Quercio	01.3	Max WS	SA_20_18	1.00	133.39	136.45		136.45	0.000002	0.06	17.14	7.78	0.01
Quercio	01.2	Max WS	S_200_18	1.77	133.39	137.81		137.81	0.000001	0.06	30.42	9.18	0.01
Quercio	01.2	Max WS	SA_100_18	-16.78	133.39	137.36		137.38	0.000162	-0.64	26.25	9.18	0.12
Quercio	01.2	Max WS	SA_30_18	5.16	133.39	136.45		136.45	0.000045	0.29	17.93	9.18	0.07
Quercio	01.2	Max WS	SA_20_18	1.00	133.39	136.45		136.45	0.000002	0.06	17.93	9.18	0.01
Quercio	01.1	Max WS	S_200_18	1.24	133.38	137.81		137.81	0.000001	0.04	31.75	10.10	0.01
Quercio	01.1	Max WS	SA_100_18	-16.78	133.38	137.36		137.38	0.000157	-0.62	27.19	10.10	0.12
Quercio	01.1	Max WS	SA_30_18	5.16	133.38	136.45		136.45	0.000049	0.29	18.02	9.98	0.07
Quercio	01.1	Max WS	SA_20_18	1.00	133.38	136.45		136.45	0.000002	0.06	18.01	9.98	0.01
Quercio	01	Max WS	S_200_18	-51.88	133.38	137.81	135.98	137.95	0.000966	-1.63	31.74	10.10	0.29
Quercio	01	Max WS	SA_100_18	-16.78	133.38	137.36	134.70	137.38	0.000157	-0.62	27.20	10.10	0.12
Quercio	01	Max WS	SA_30_18	5.16	133.38	136.45	134.01	136.45	0.000049	0.29	18.01	9.98	0.07
Quercio	01	Max WS	SA_20_18	0.99	133.38	136.45	133.60	136.45	0.000002	0.06	18.01	9.98	0.01

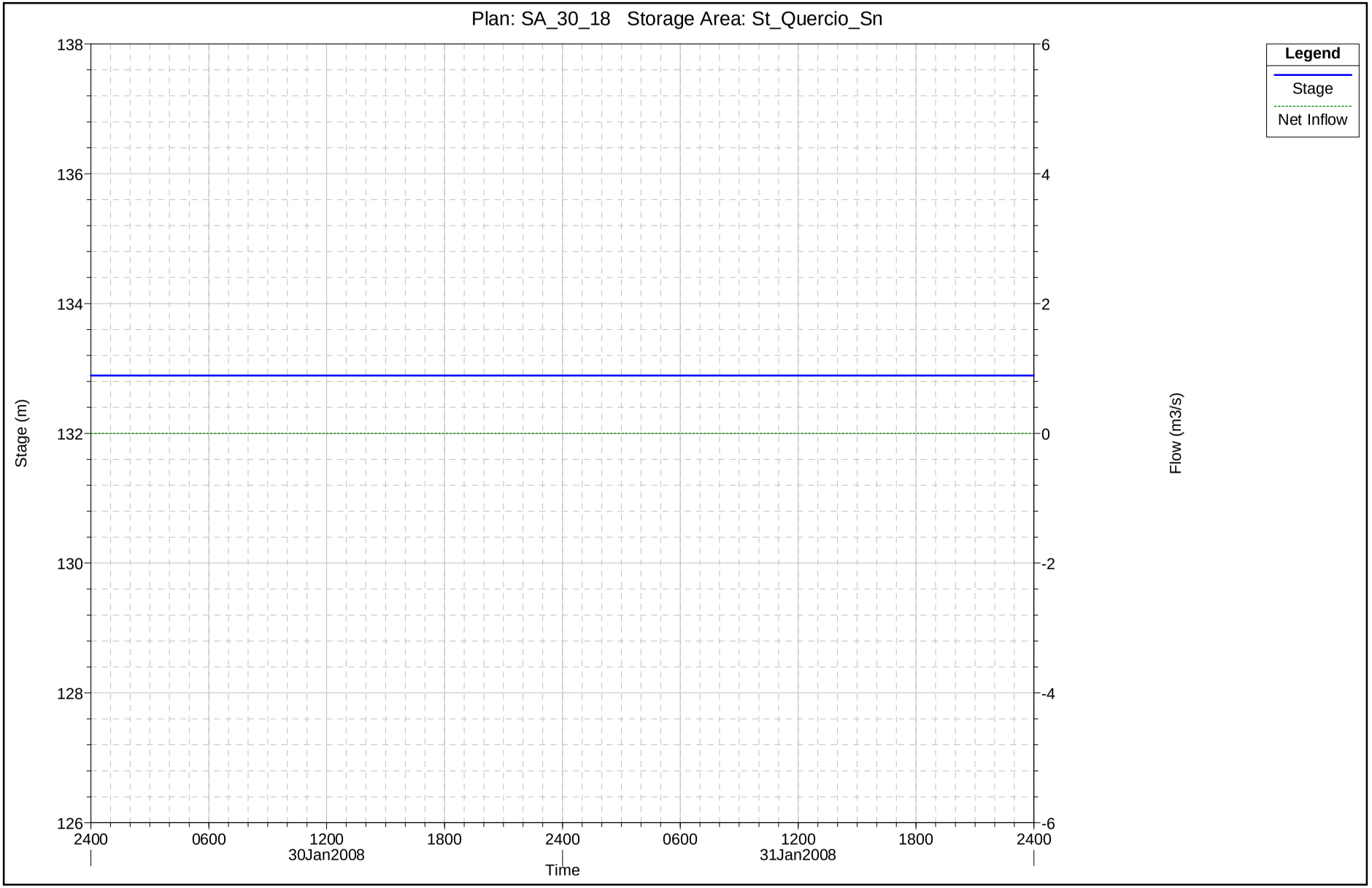
HEC-RAS Profile: Max WS

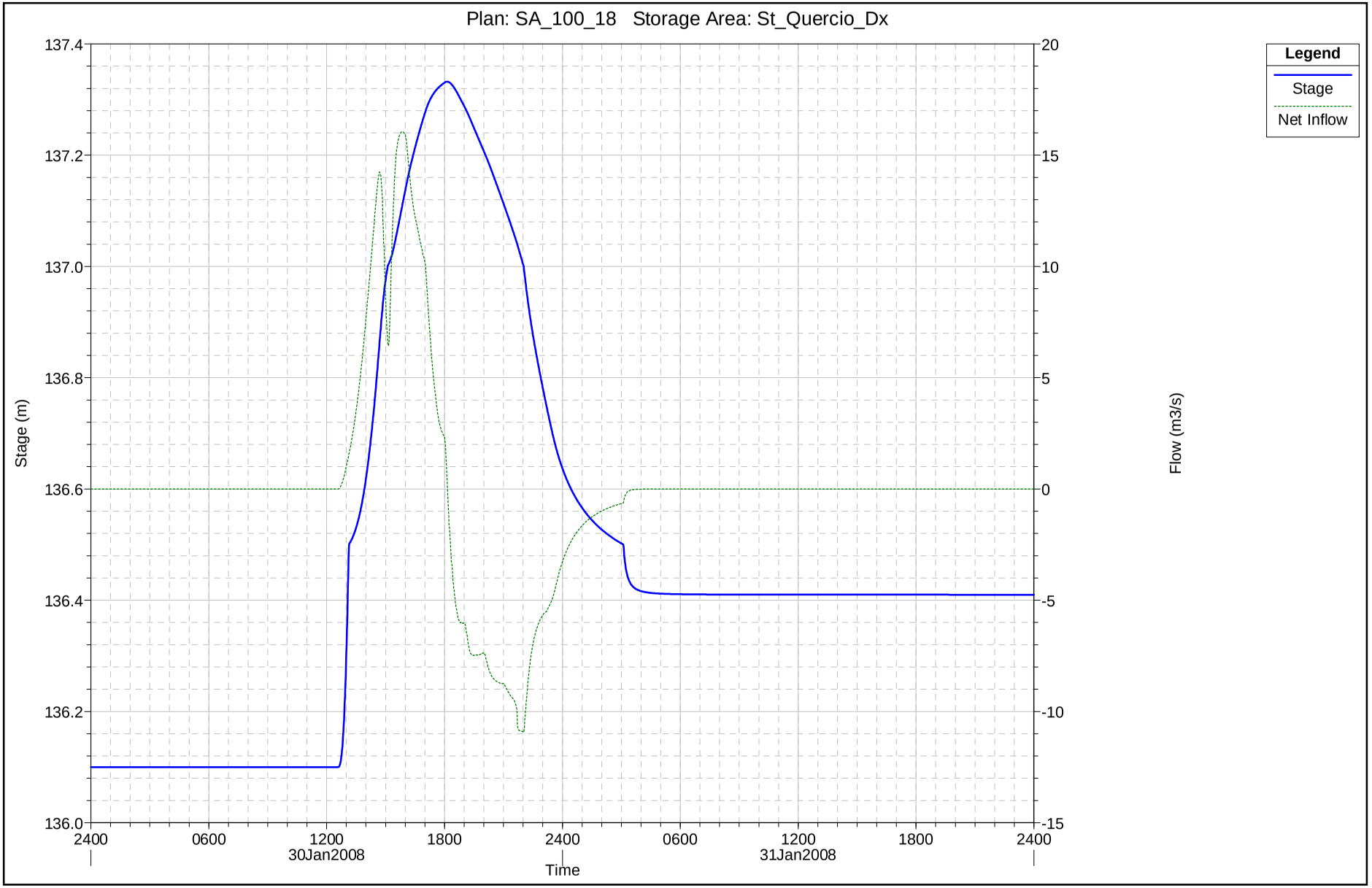
Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
St_Quercio_Dx	Max WS	S_200_18	137.82	136.10	0.16	483.12	376.26
St_Quercio_Dx	Max WS	SA_100_18	137.33	136.10	1.44	321.21	166.03
St_Quercio_Dx	Max WS	SA_30_18	136.23	136.10	0.18	3.24	0.41
St_Quercio_Dx	Max WS	SA_20_18	136.22	136.10	0.17	3.24	0.37
St_Quercio_Sn	Max WS	S_200_18	137.82	132.89	-0.18	708.60	1603.56
St_Quercio_Sn	Max WS	SA_100_18	135.59	132.89	21.85	439.64	247.55
St_Quercio_Sn	Max WS	SA_30_18	132.89	132.89	0.00	0.01	0.00
St_Quercio_Sn	Max WS	SA_20_18	132.89	132.89	0.00	0.01	0.00

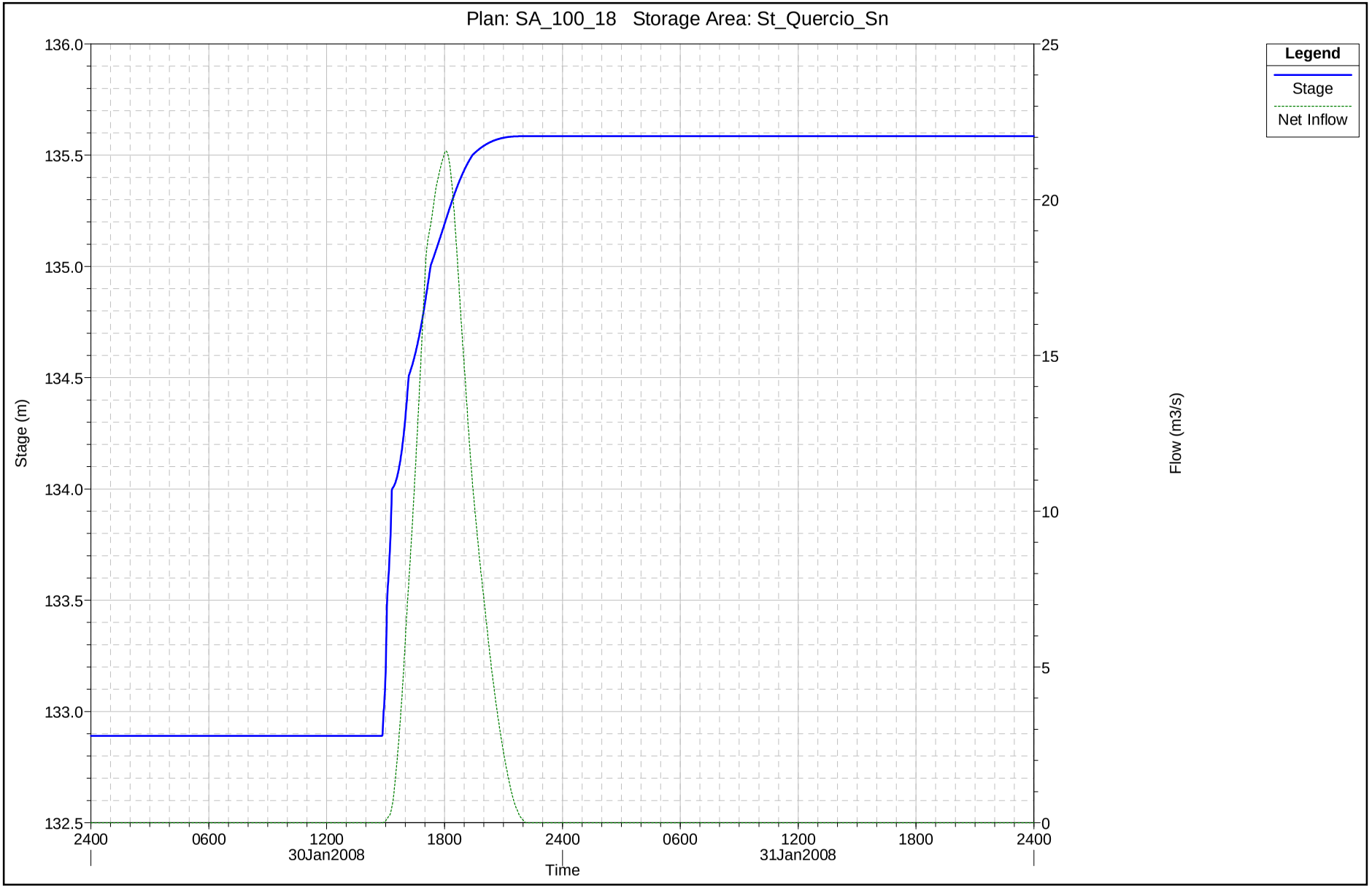

Plan: SA_20_18 Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
136.20
136.18
136.16
136.14
136.12
136.10
136.08
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time

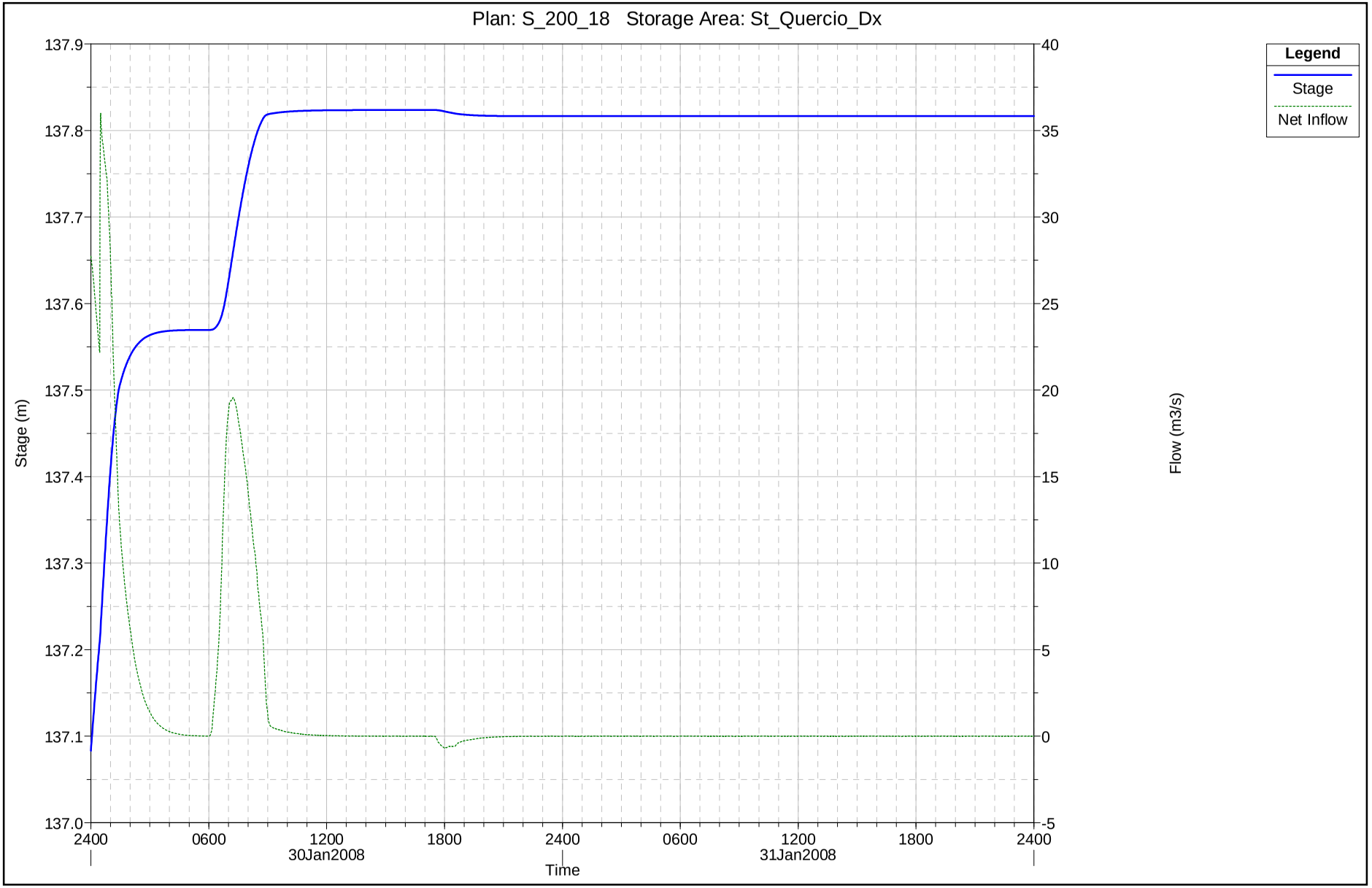

Plan: SA_20_18 Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138
136
134
132
130
128
126
6
4
2
0
-2
-4
-6
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time

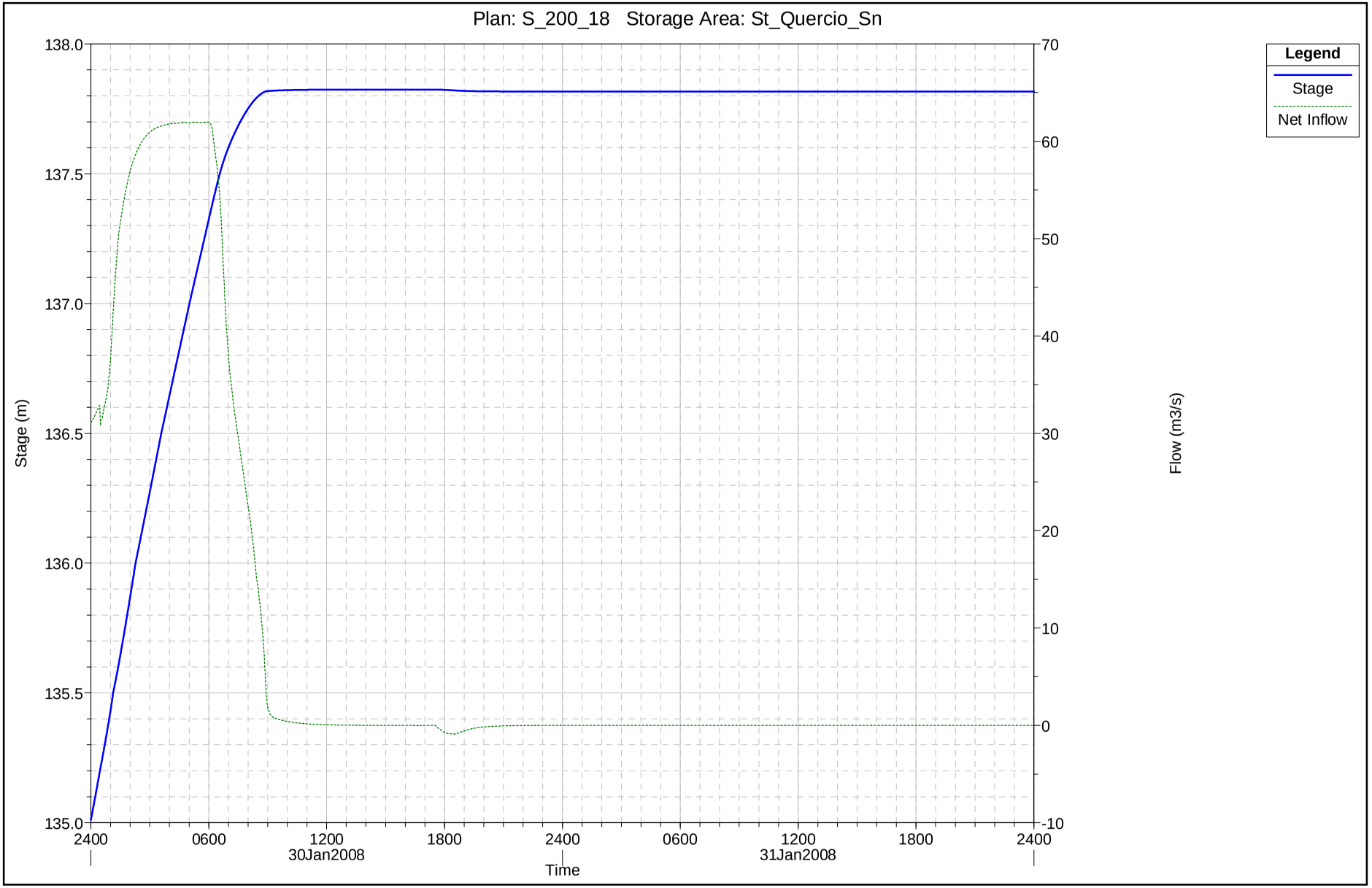

Plan: SA_30_18 Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
136.22
136.20
136.18
136.16
136.14
136.12
136.10
136.08
0.20
0.15
0.10
0.05
0.00
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time


Plan: SA_30_18 Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138
136
134
132
130
128
126
6
4
2
0
-2
-4
-6
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time


Plan: SA_100_18 Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
137.4
137.2
137.0
136.8
136.6
136.4
136.2
136.0
20
15
10
5
0
-5
-10
-15
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time


Plan: SA_100_18 Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
136.0
135.5
135.0
134.5
134.0
133.5
133.0
132.5
25
20
15
10
5
0
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time


Plan: S_200_18 Storage Area: St_Quercio_Dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
137.9
137.8
137.7
137.6
137.5
137.4
137.3
137.2
137.1
137.0
40
35
30
25
20
15
10
5
0
-5
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008
Time


Plan: S_200_18 Storage Area: St_Quercio_Sn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
Time
138.0
137.5
137.0
136.5
136.0
135.5
135.0
70
60
50
40
30
20
10
0
-10
2400
0600
1200
1800
2400
0600
1200
1800
2400
30Jan2008
31Jan2008

borro dello Spedaluzzo

verifiche con Tpioggia critico per il Borro dello Spedaluzzo

- 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

verifiche con Tpioggia critico per il Fiume Arno

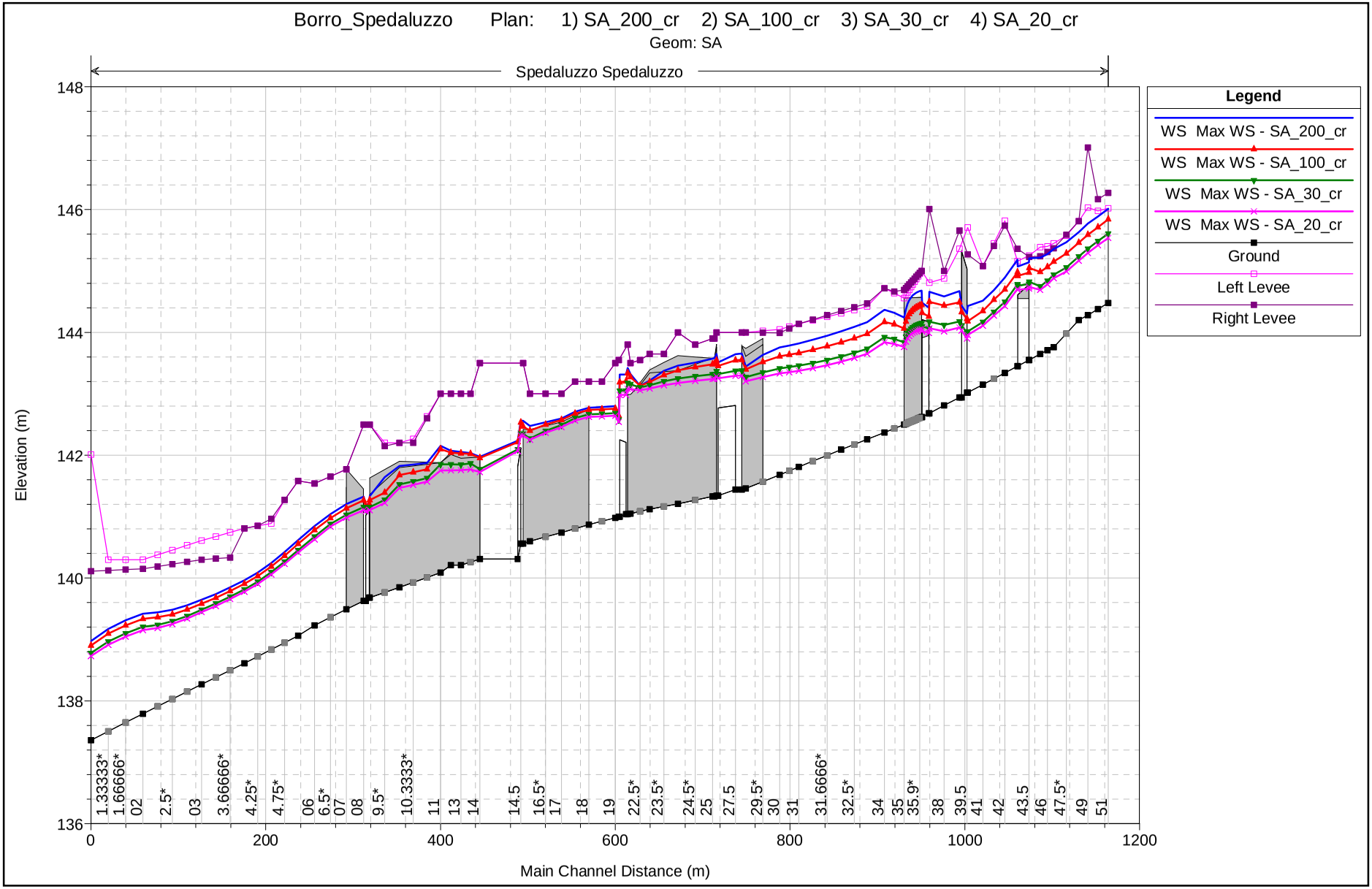
- moto permanente

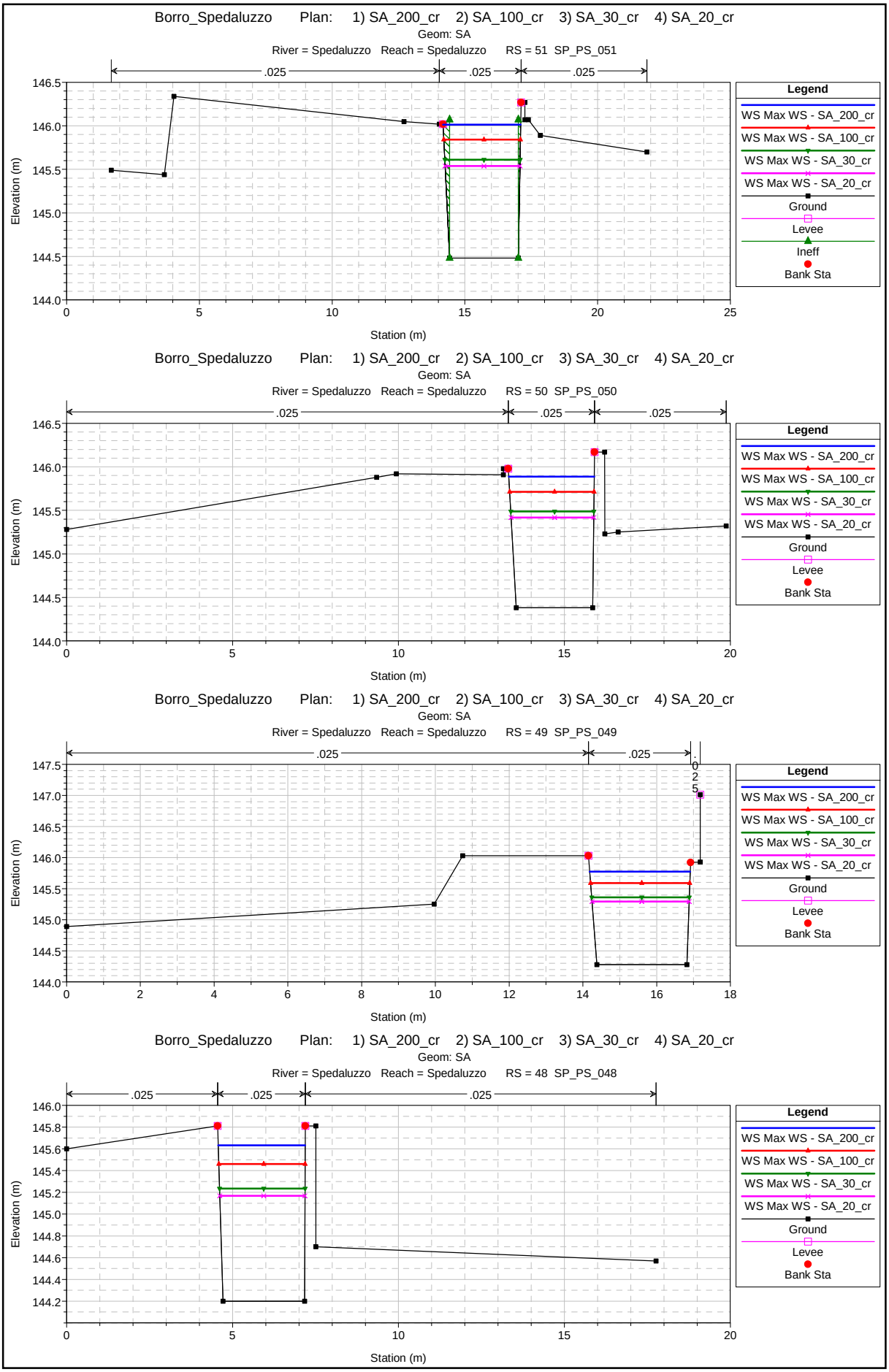
  Tr=200, 100, 30 e 20 anni

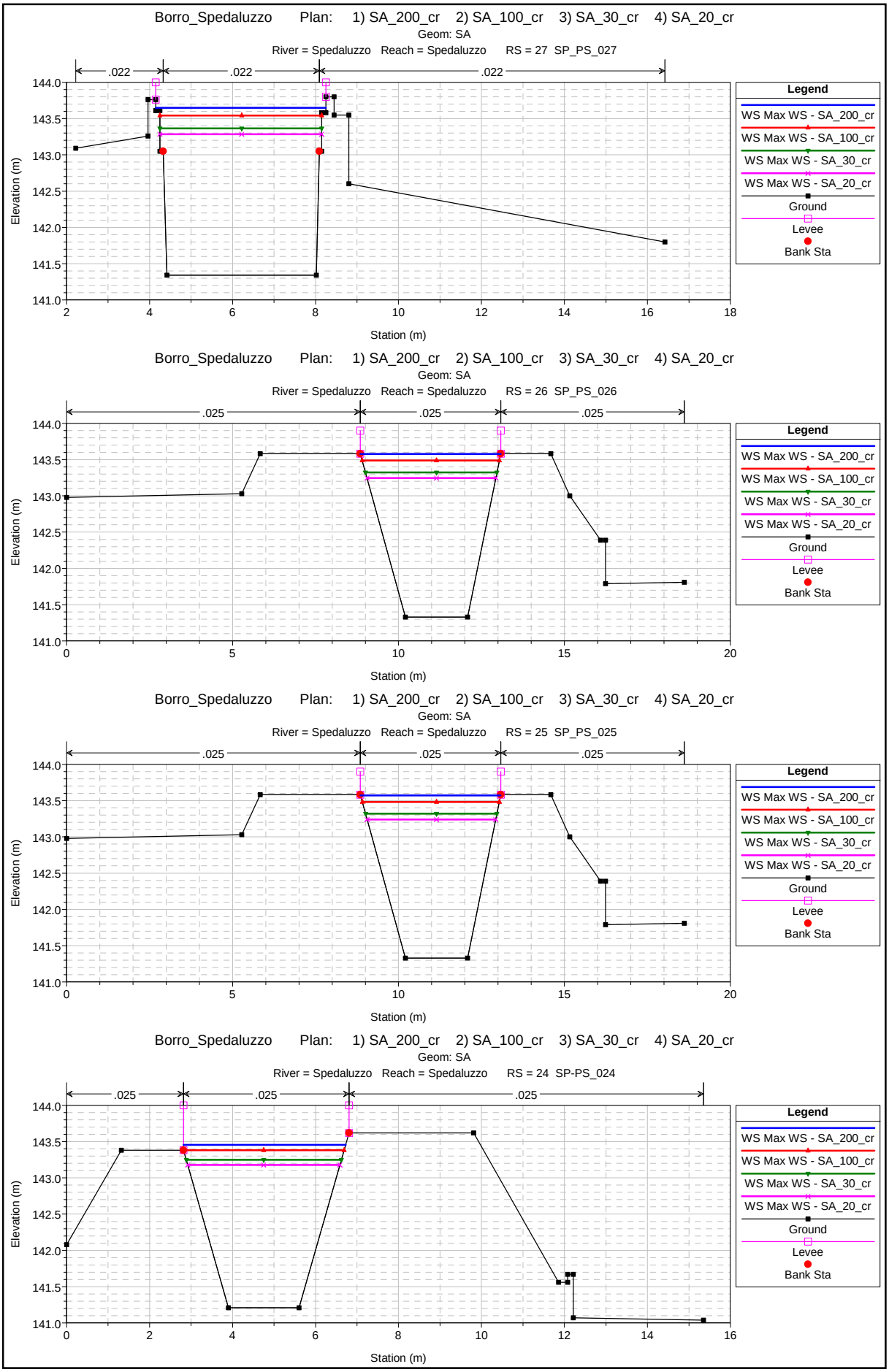
  profilo

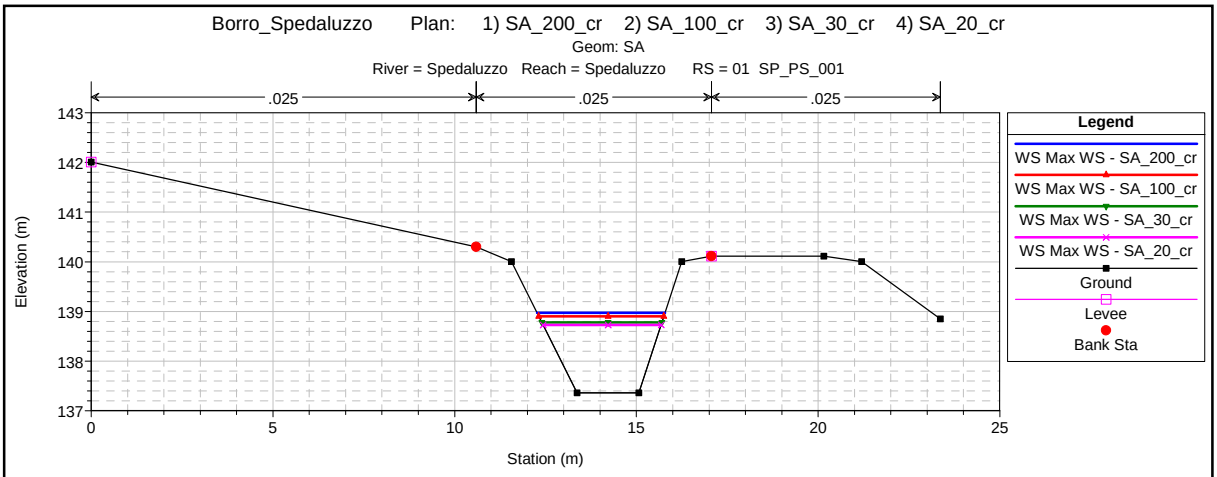
  livelli idrici nelle sezioni di verifica

  tabella di output del software Hec-ras 4.0


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
Spedaluzzo Spedaluzzo
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Left Levee
Right Levee
Elevation (m)
148
146
144
142
140
138
136
0
200
400
600
800
1000
1200
Main Channel Distance (m)
1.33333*
1.66666*
02
2.5*
03
3.66666*
4.25*
4.75*
06
6.5*
07
08
9.5*
10.3333*
11
13
14
14.5
16.5*
17
18
19
22.5*
23.5*
24.5*
25
27.5
29.5*
30
31
31.6666*
32.5*
34
35
35.9*
38
39.5
41
42
43.5
46
47.5*
49
51


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 51 SP_PS_051
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 50 SP_PS_050
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 49 SP_PS_049
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 48 SP_PS_048
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

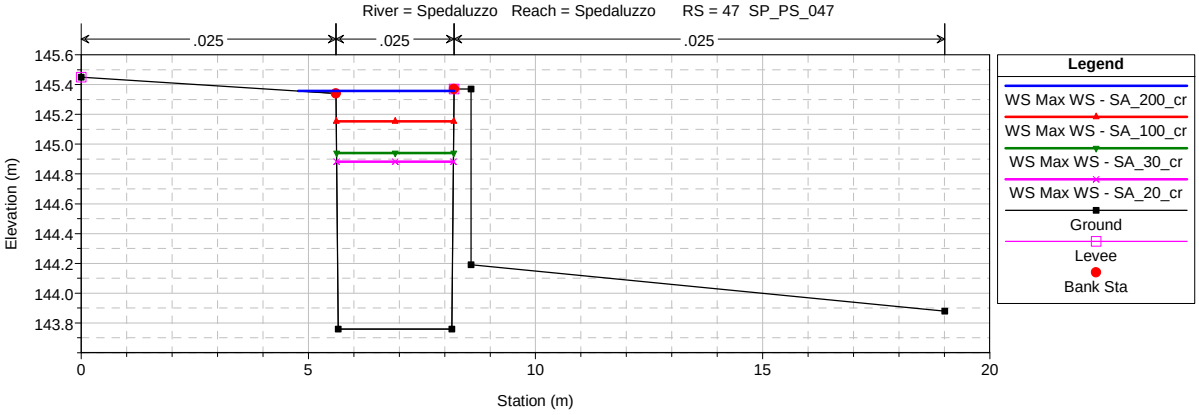

Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 27 SP_PS_027
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 26 SP_PS_026
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 25 SP_PS_025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 24 SP-PS_024
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 01 SP_PS_001
.025
.025
.025
Elevation (m)
143
142
141
140
139
138
137
0
5
10
15
20
25
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

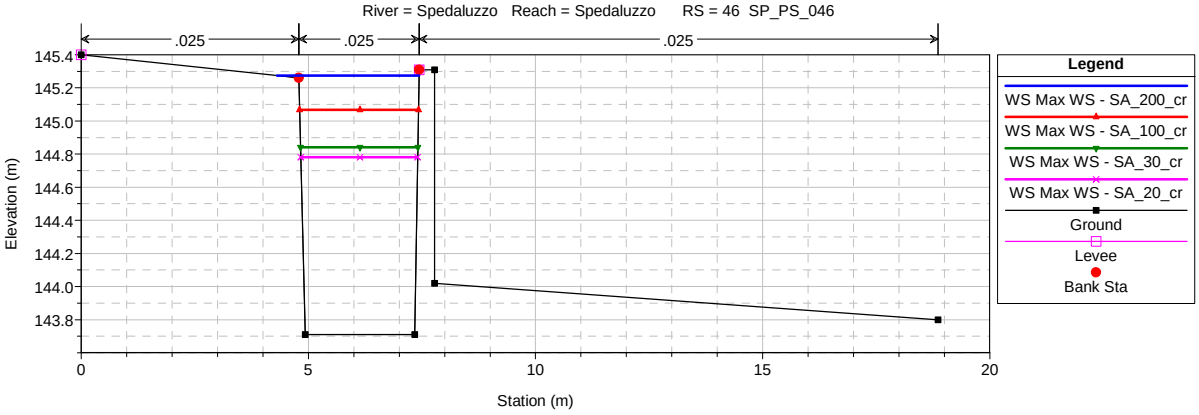
River = Spedaluzzo Reach = Spedaluzzo RS = 47 SP_PS_047



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

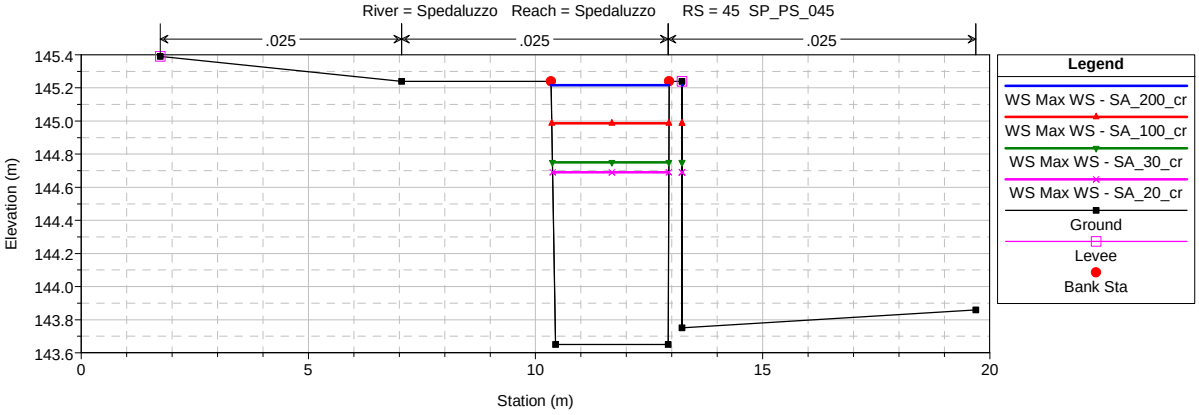
River = Spedaluzzo Reach = Spedaluzzo RS = 46 SP_PS_046



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

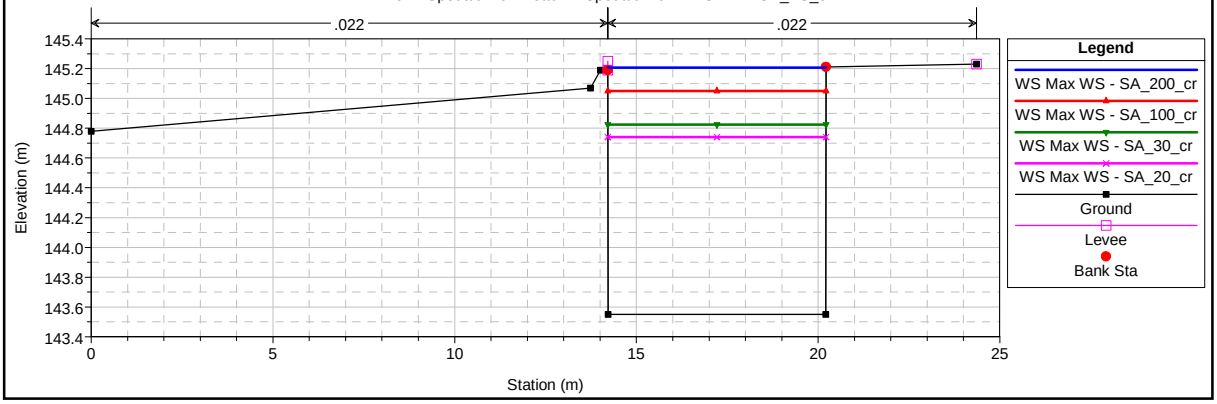
River = Spedaluzzo Reach = Spedaluzzo RS = 45 SP_PS_045



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

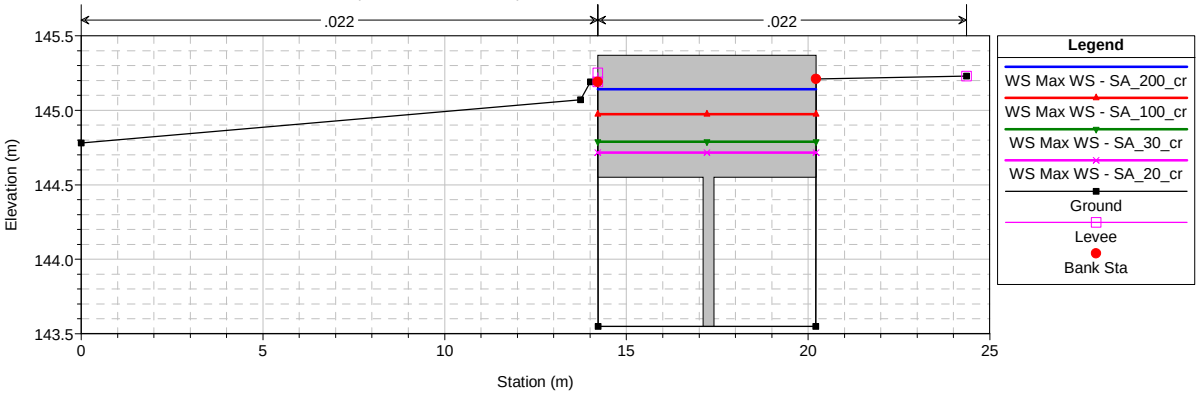
River = Spedaluzzo Reach = Spedaluzzo RS = 44 SP_PS_044



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

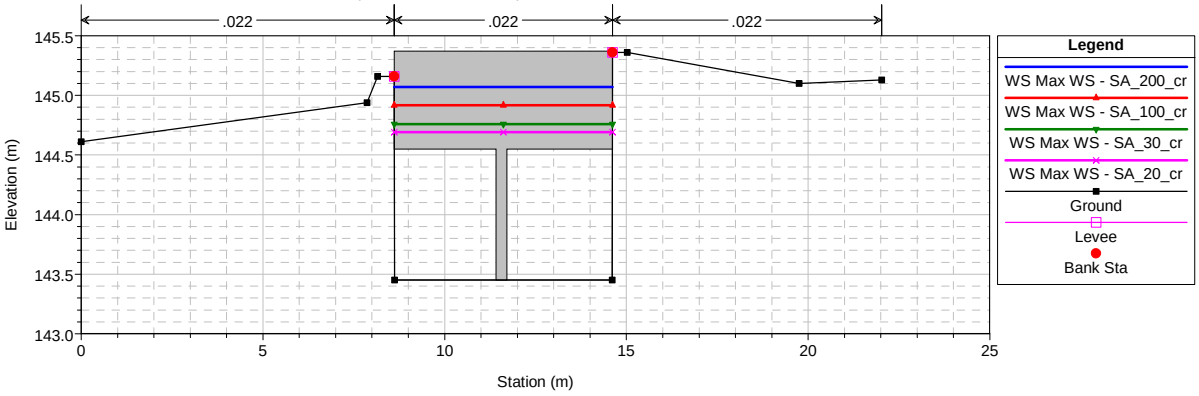
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

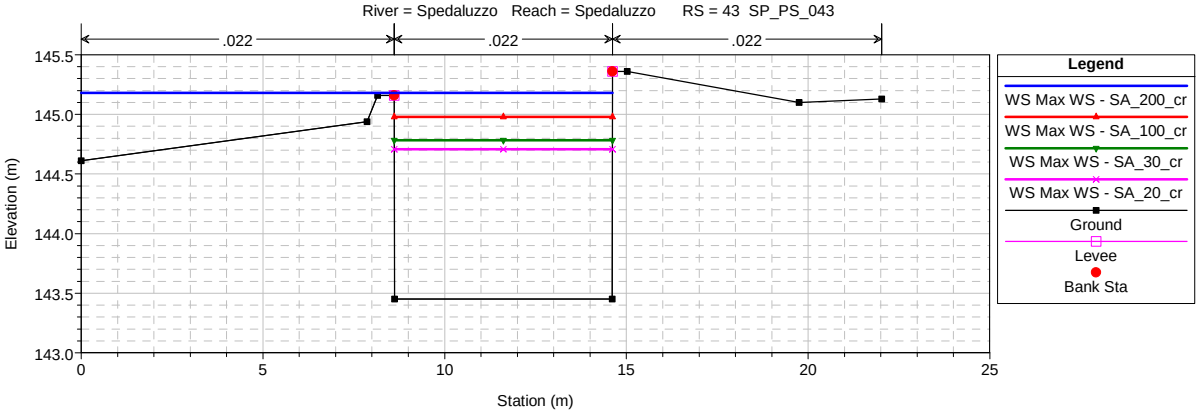
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

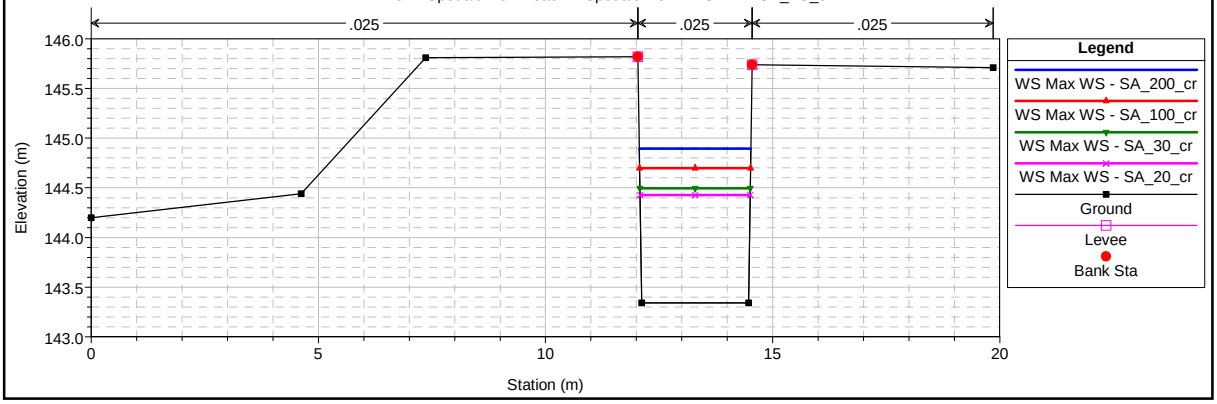
River = Spedaluzzo Reach = Spedaluzzo RS = 43 SP_PS_043

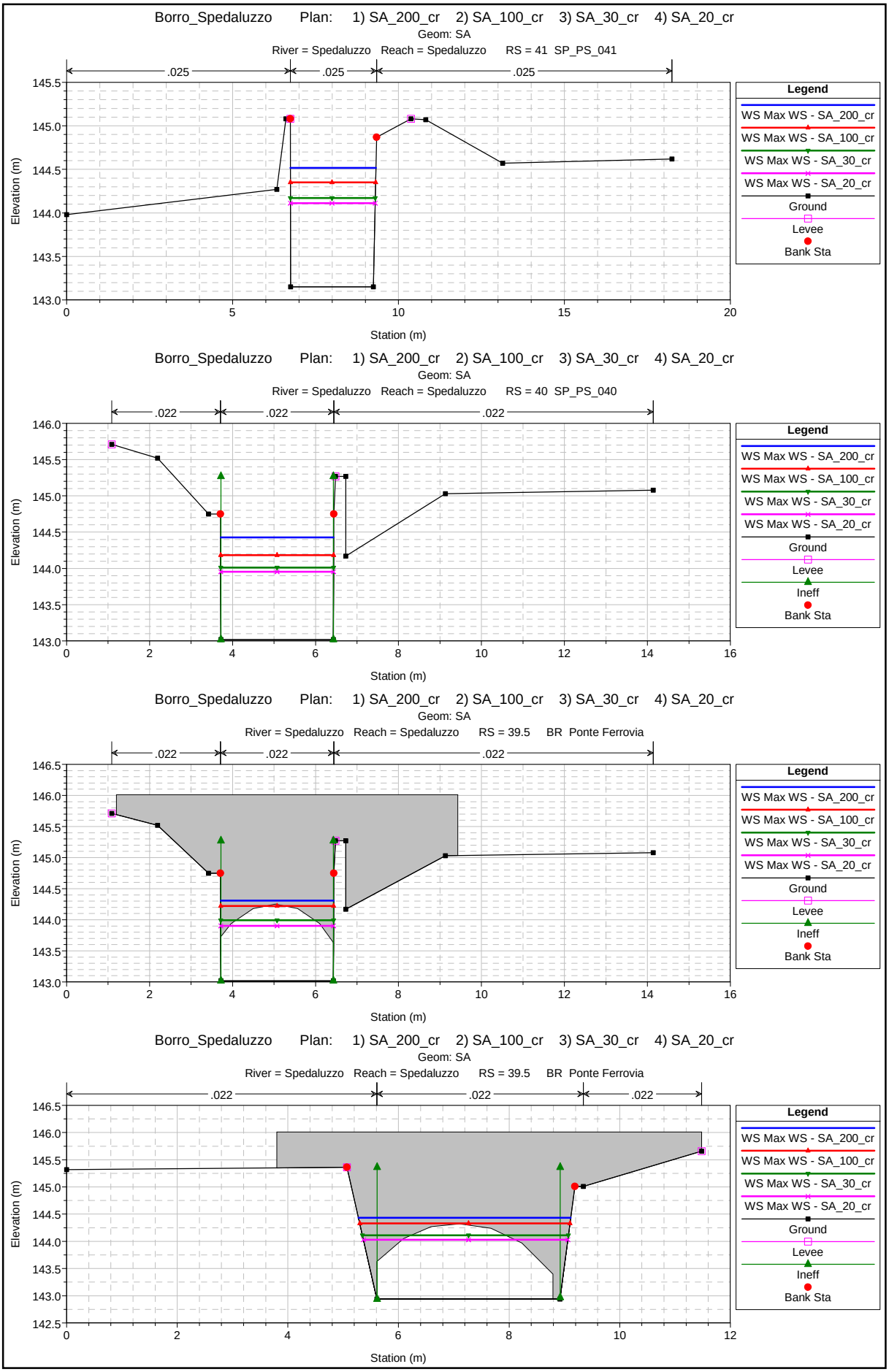


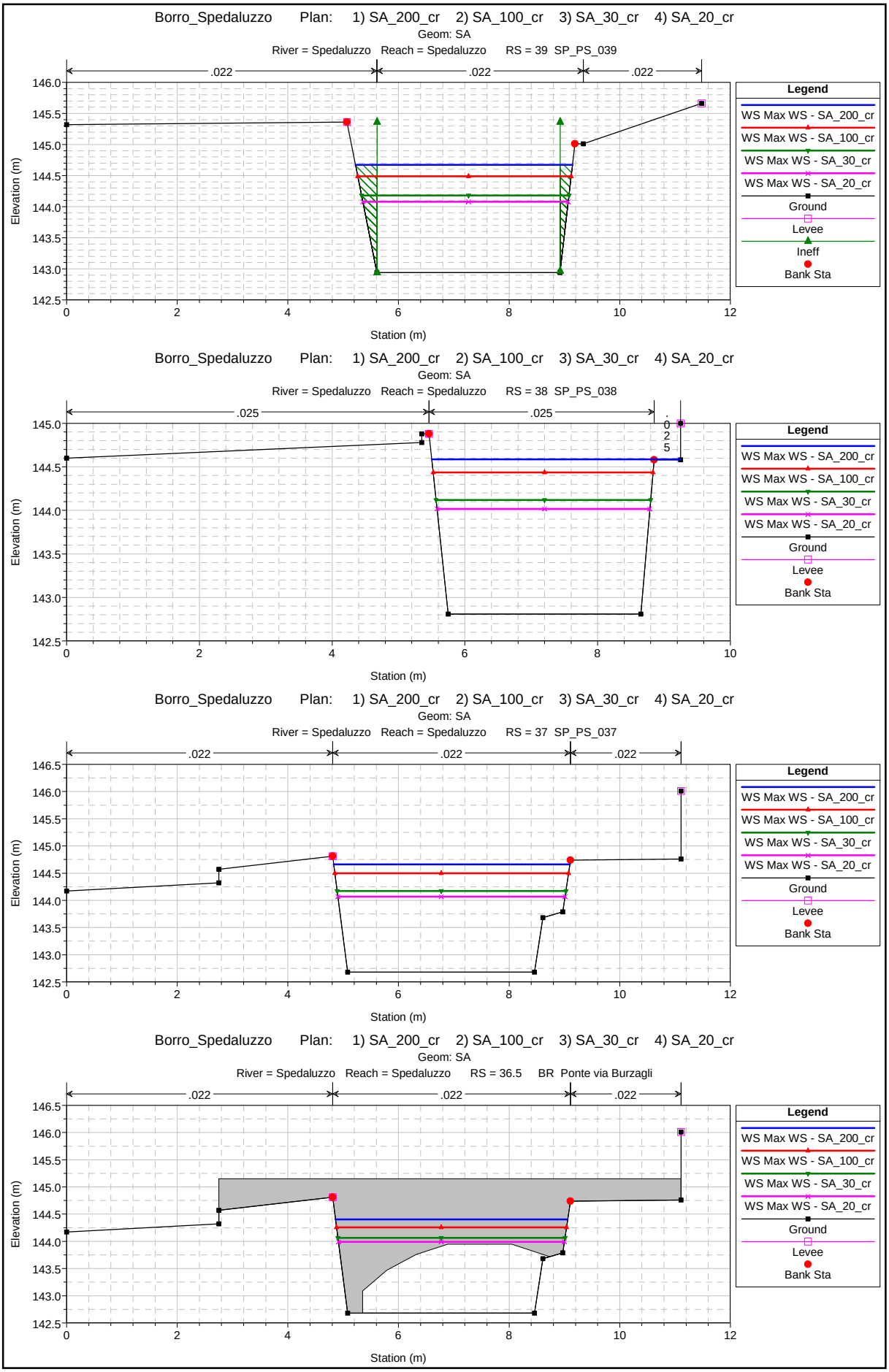
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

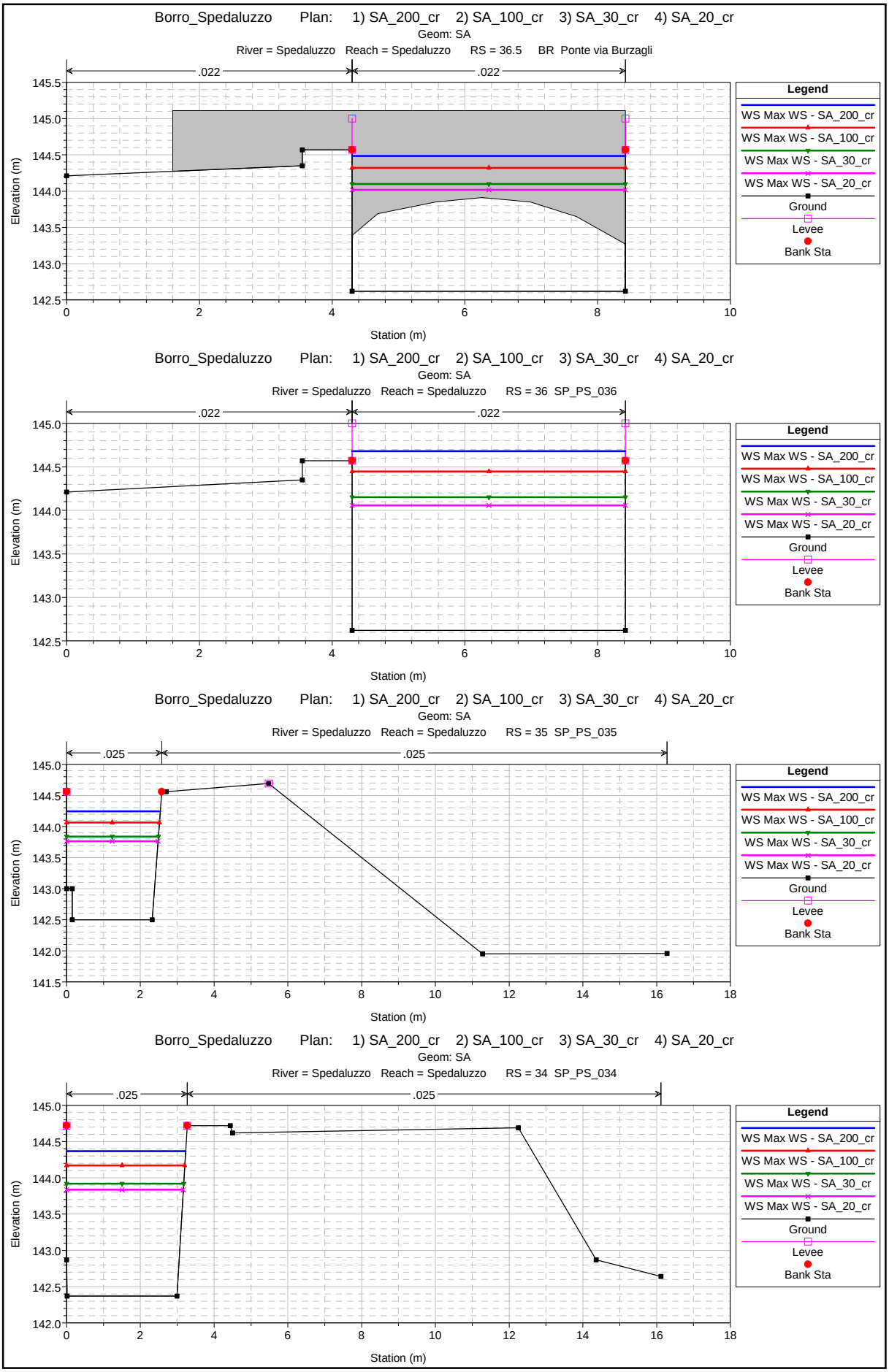
Geom: SA

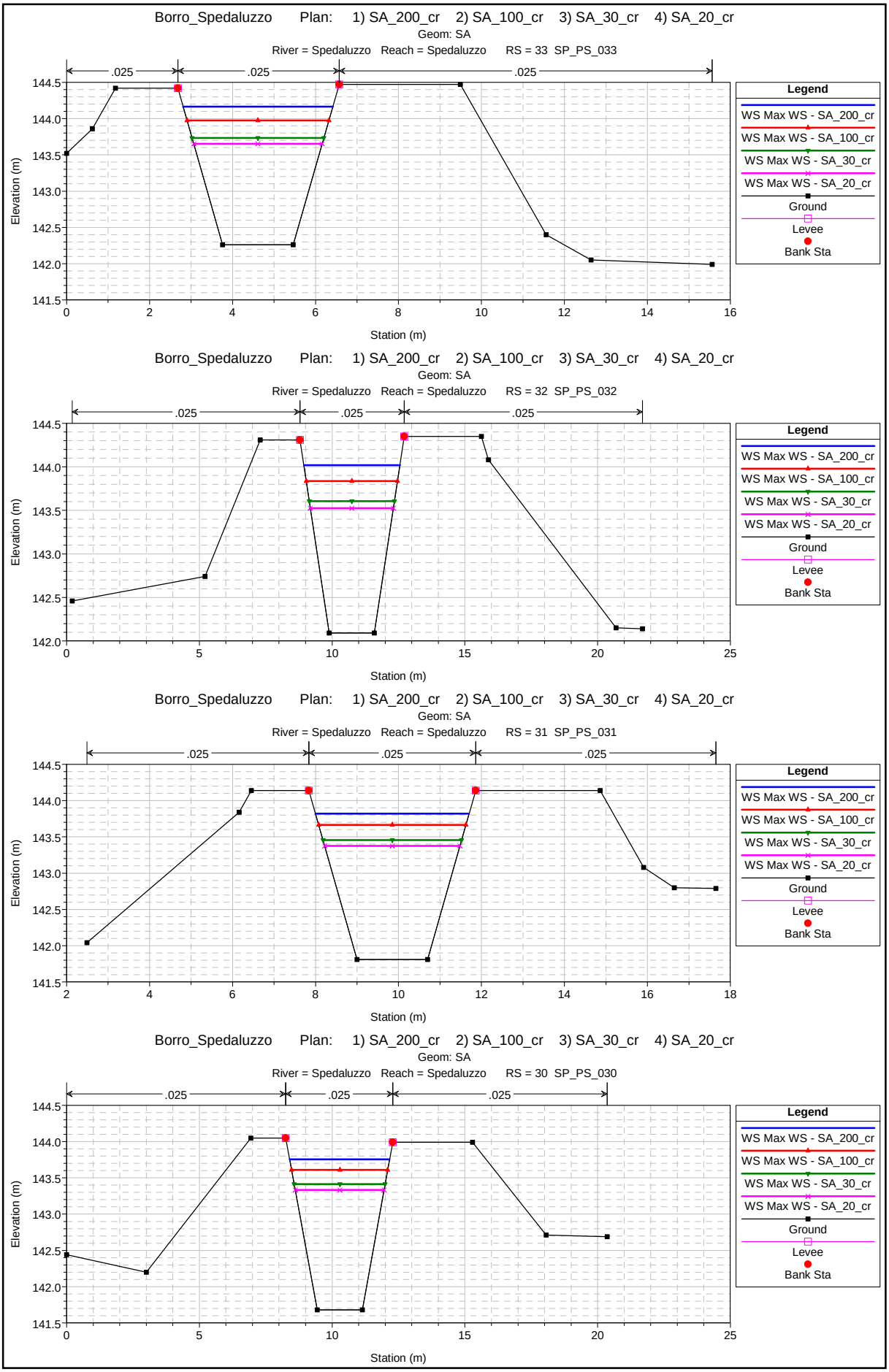
River = Spedaluzzo Reach = Spedaluzzo RS = 42 SP_PS_042

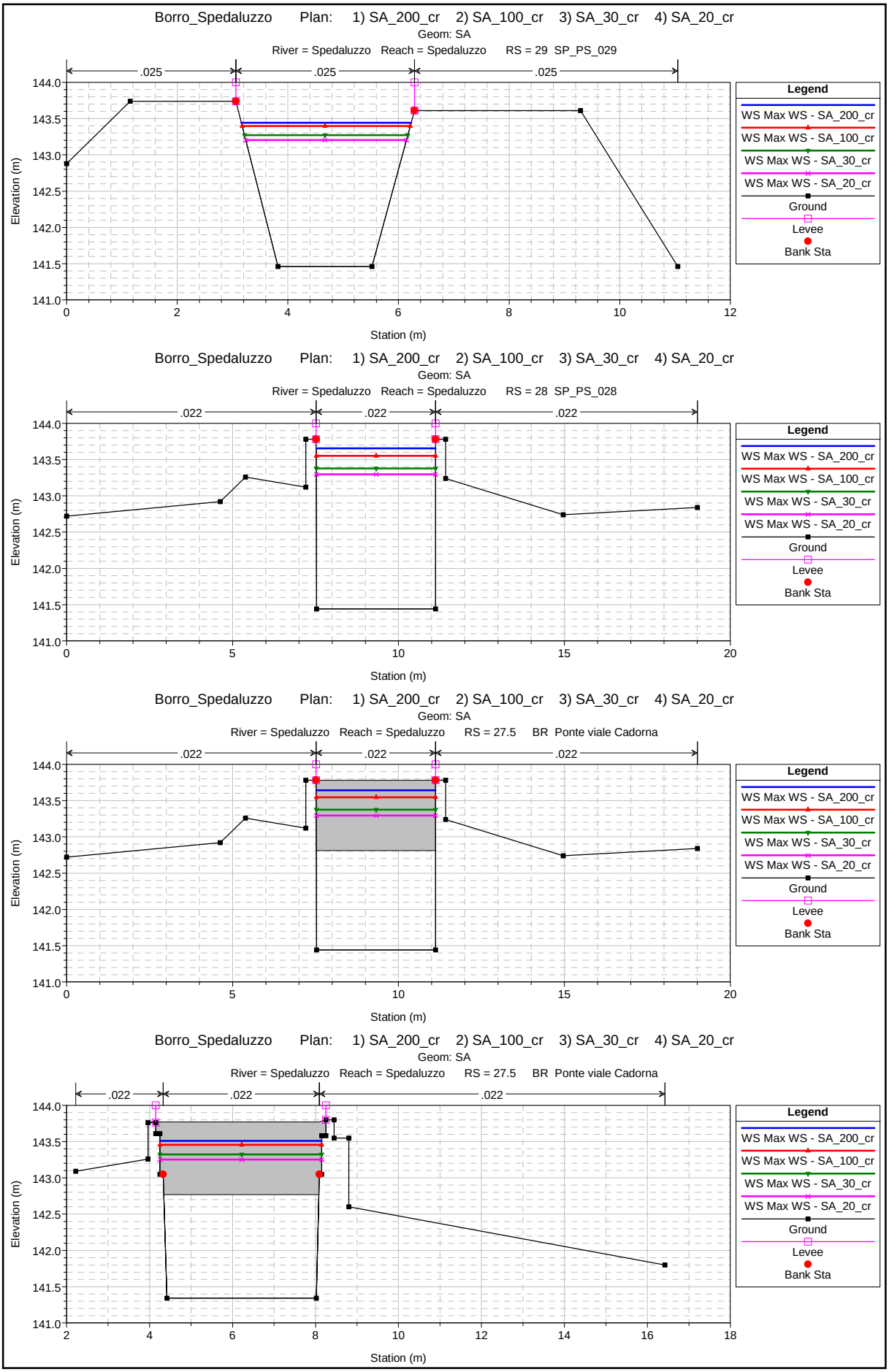


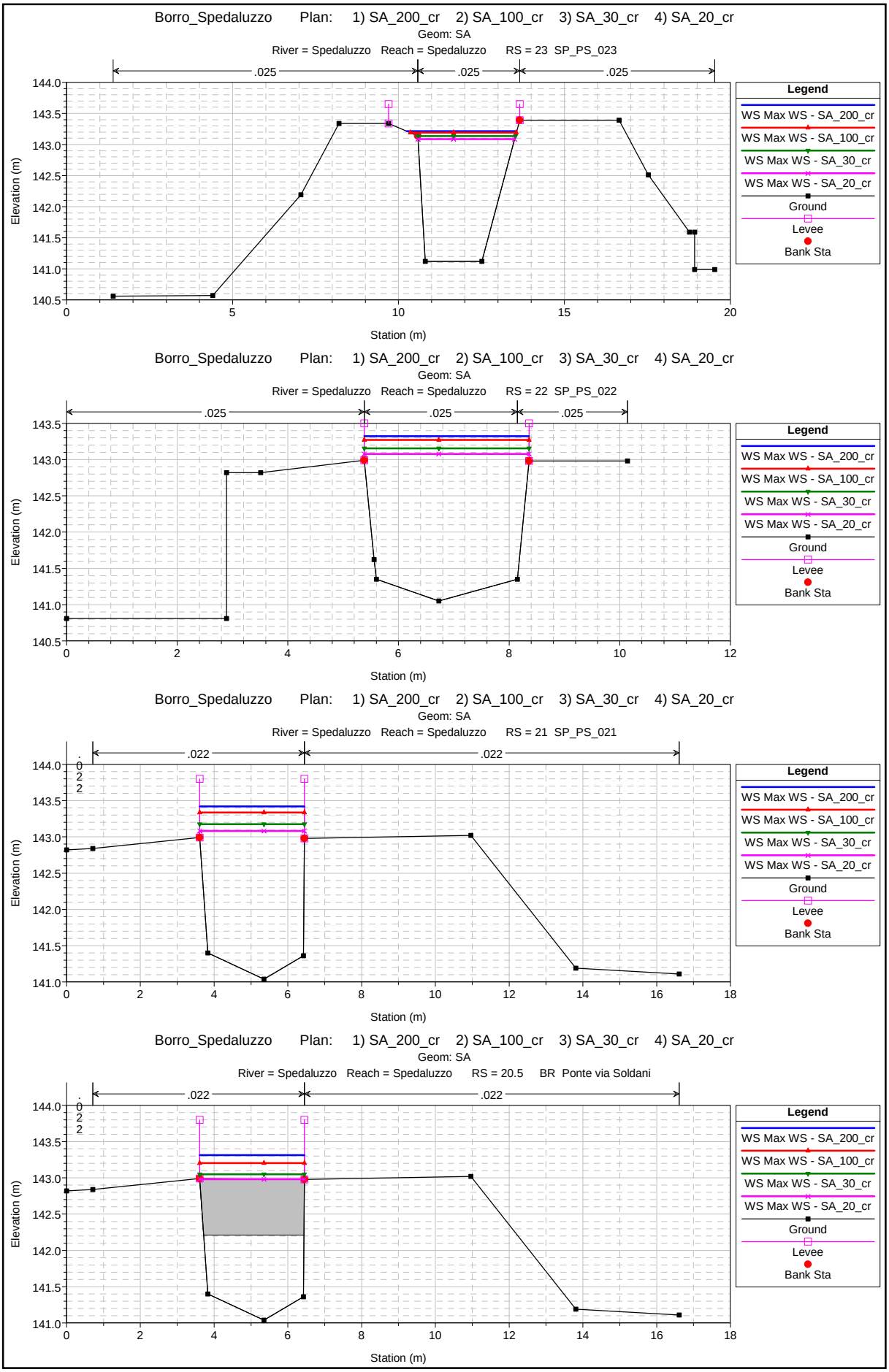

Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 41 SP_PS_041
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 40 SP_PS_040
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 39 SP_PS_039
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 38 SP_PS_038
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 37 SP_PS_037
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 36 SP_PS_036
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 35 SP_PS_035
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 34 SP_PS_034
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 33 SP_PS_033
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 32 SP_PS_032
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 31 SP_PS_031
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 30 SP_PS_030
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

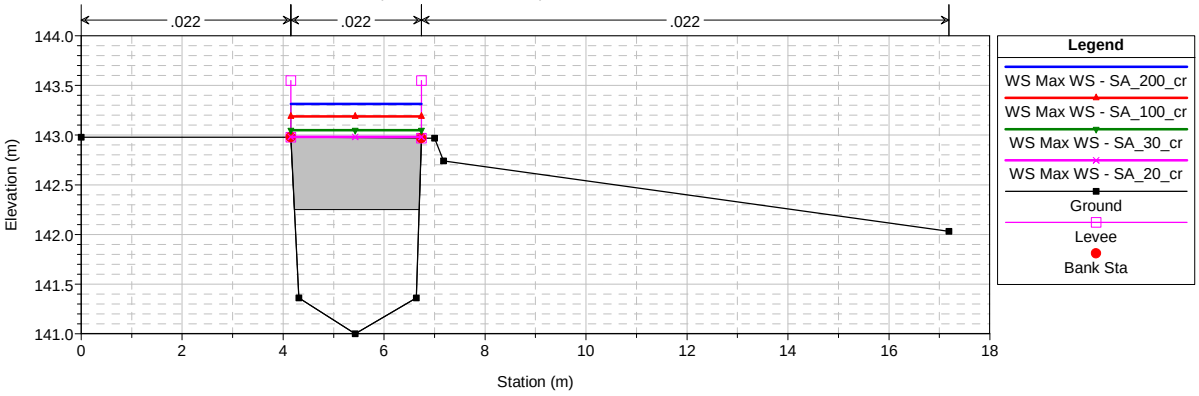

Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 29 SP_PS_029
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 28 SP_PS_028
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 23 SP_PS_023
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 22 SP_PS_022
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 21 SP_PS_021
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

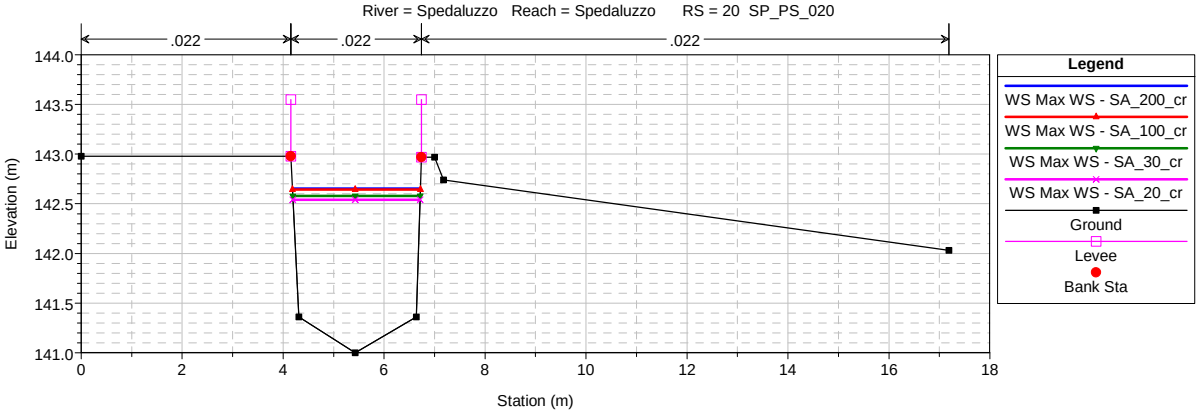
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

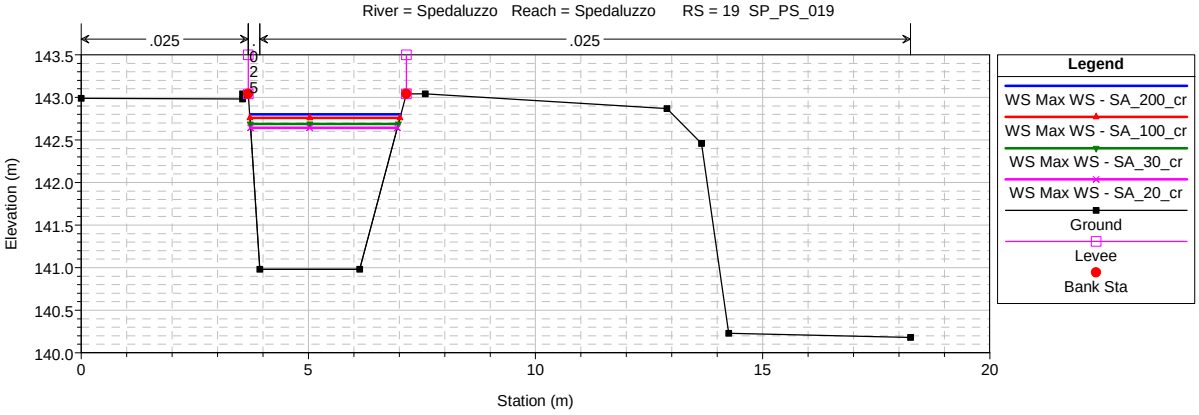
River = Spedaluzzo Reach = Spedaluzzo RS = 20 SP_PS_020



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

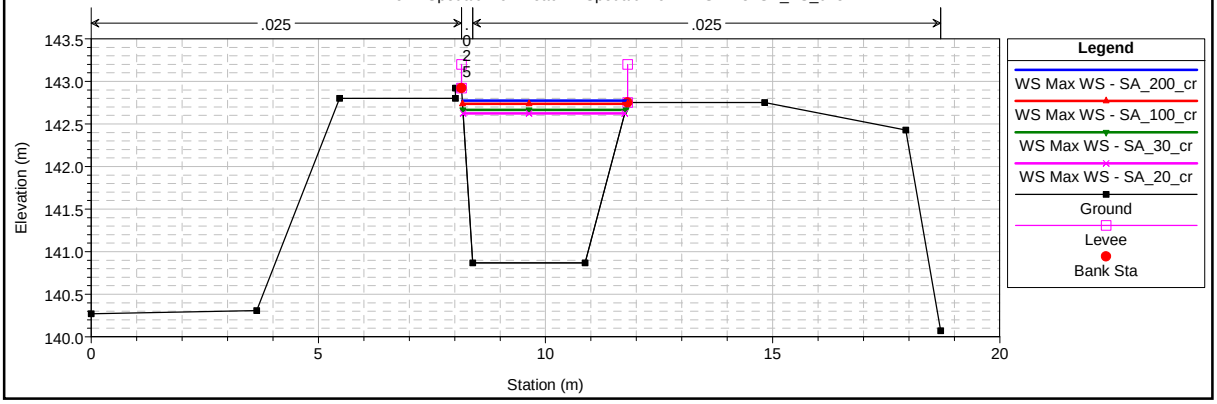
River = Spedaluzzo Reach = Spedaluzzo RS = 19 SP_PS_019



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

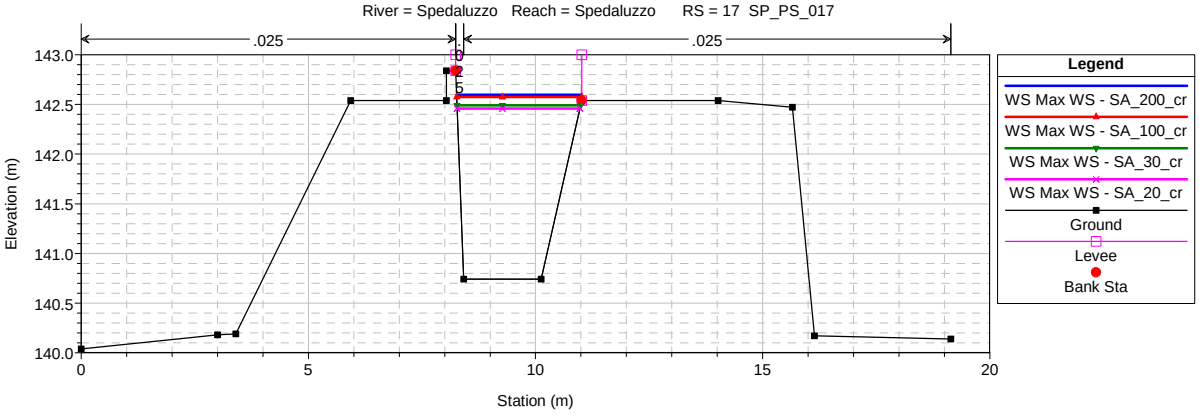
River = Spedaluzzo Reach = Spedaluzzo RS = 18 SP_PS_018



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

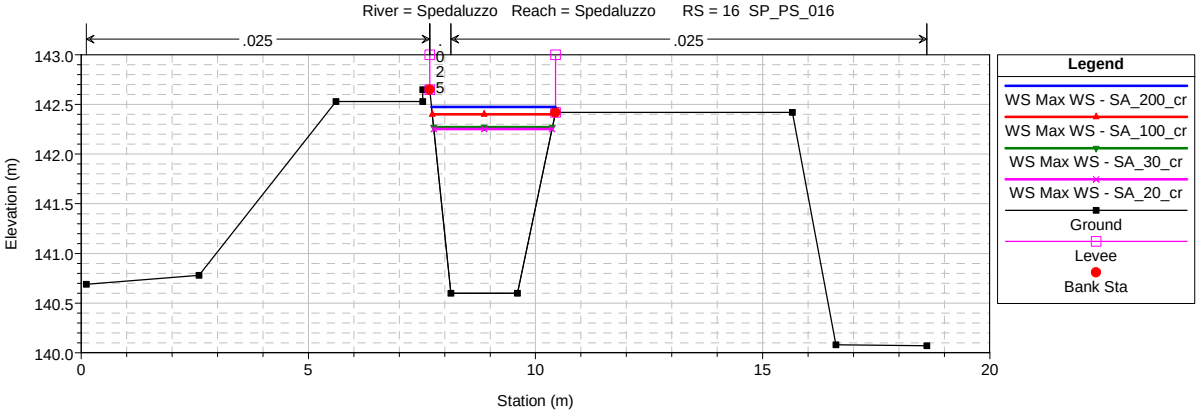
River = Spedaluzzo Reach = Spedaluzzo RS = 17 SP_PS_017



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

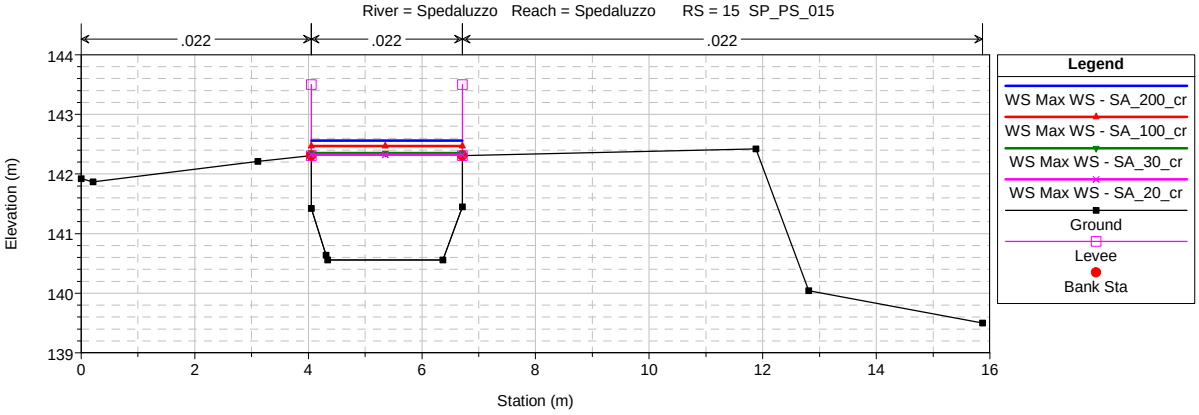
River = Spedaluzzo Reach = Spedaluzzo RS = 16 SP_PS_016



Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

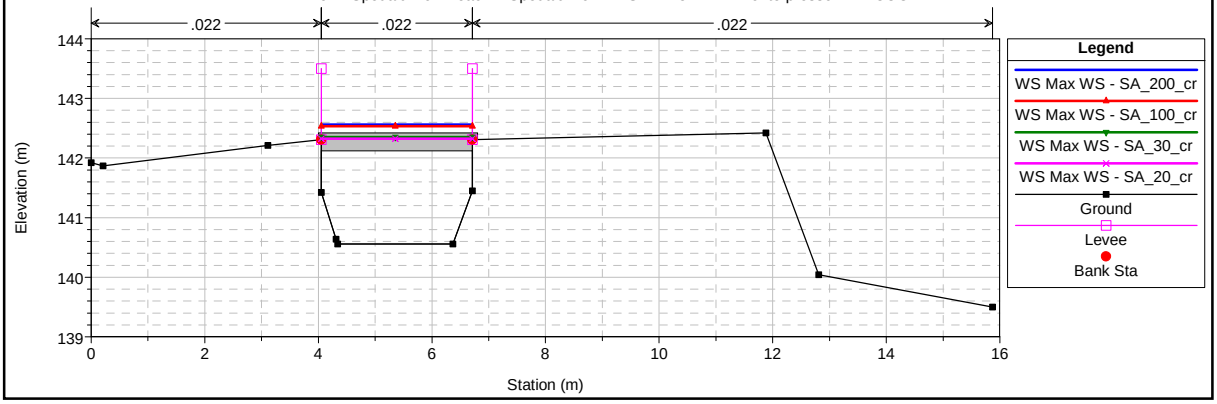
River = Spedaluzzo Reach = Spedaluzzo RS = 15 SP_PS_015

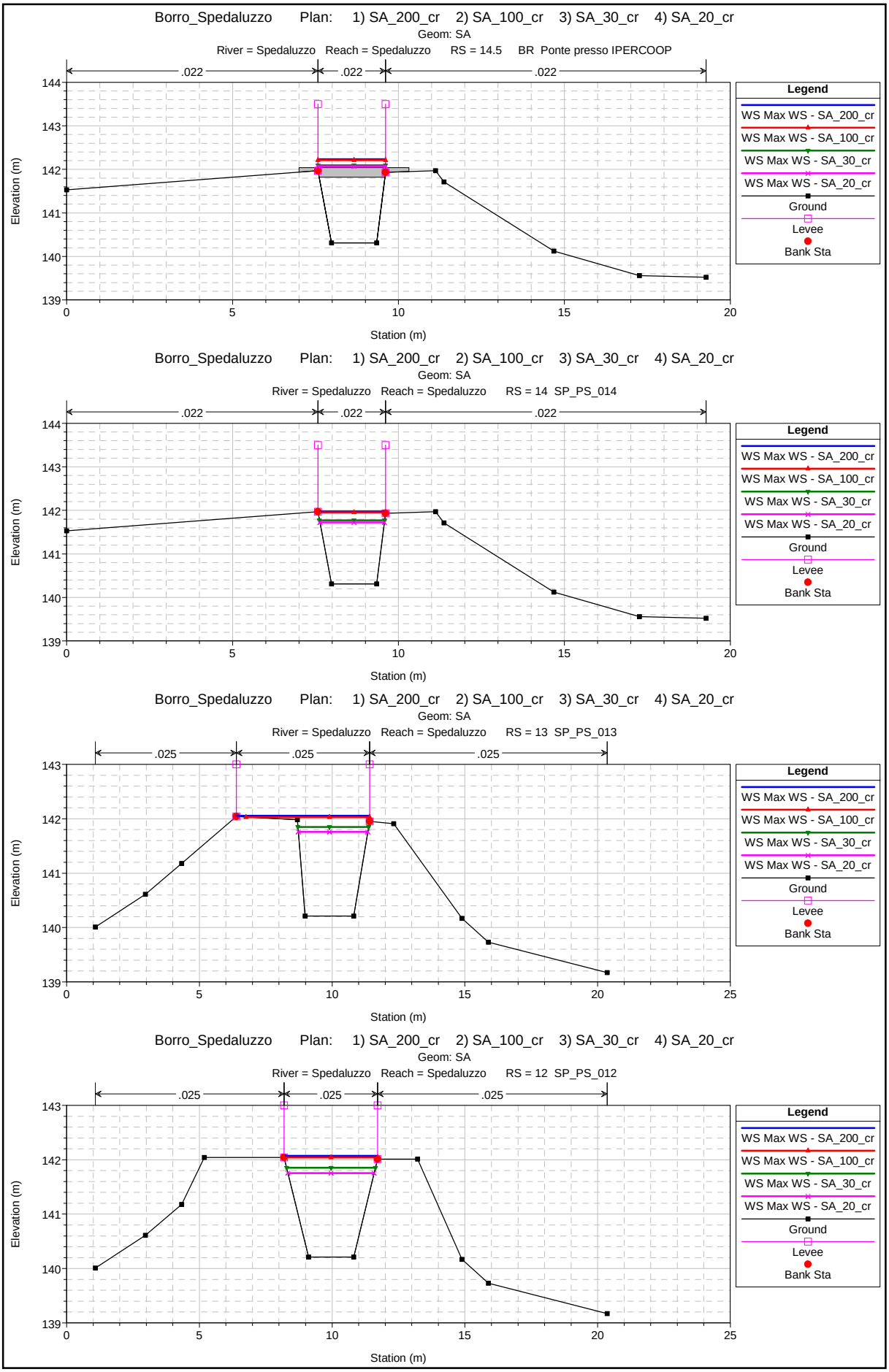


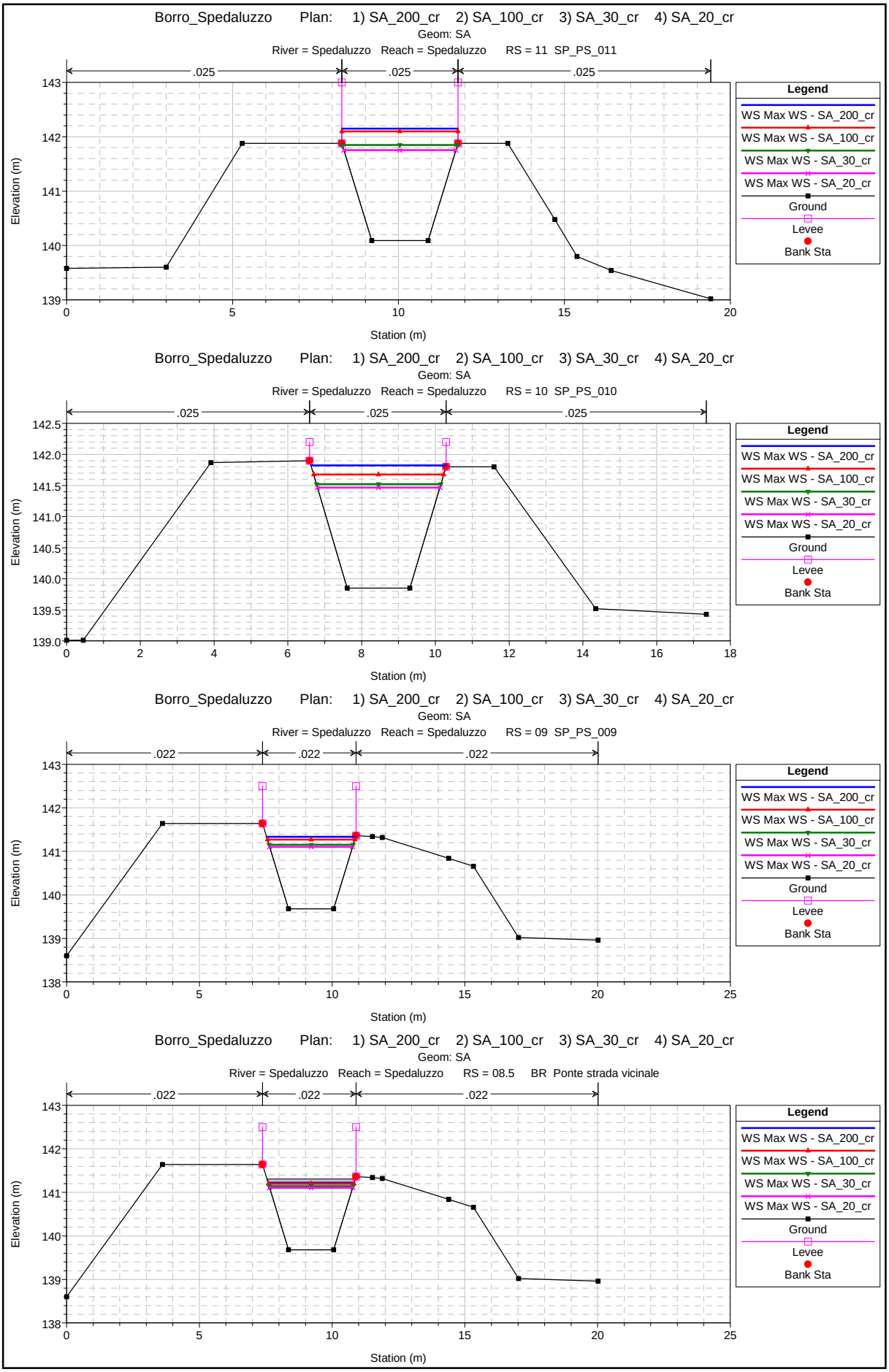
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

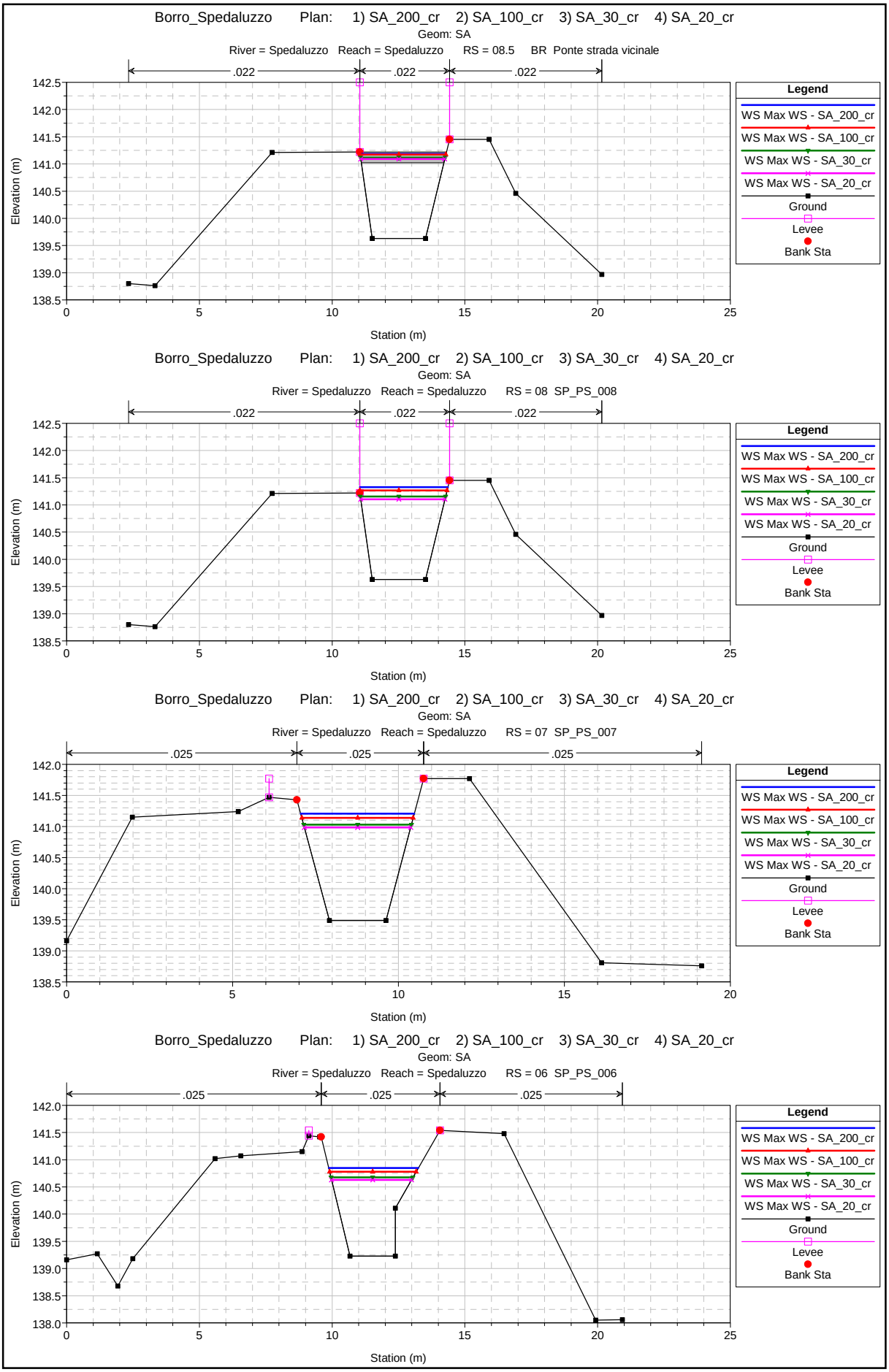
Geom: SA

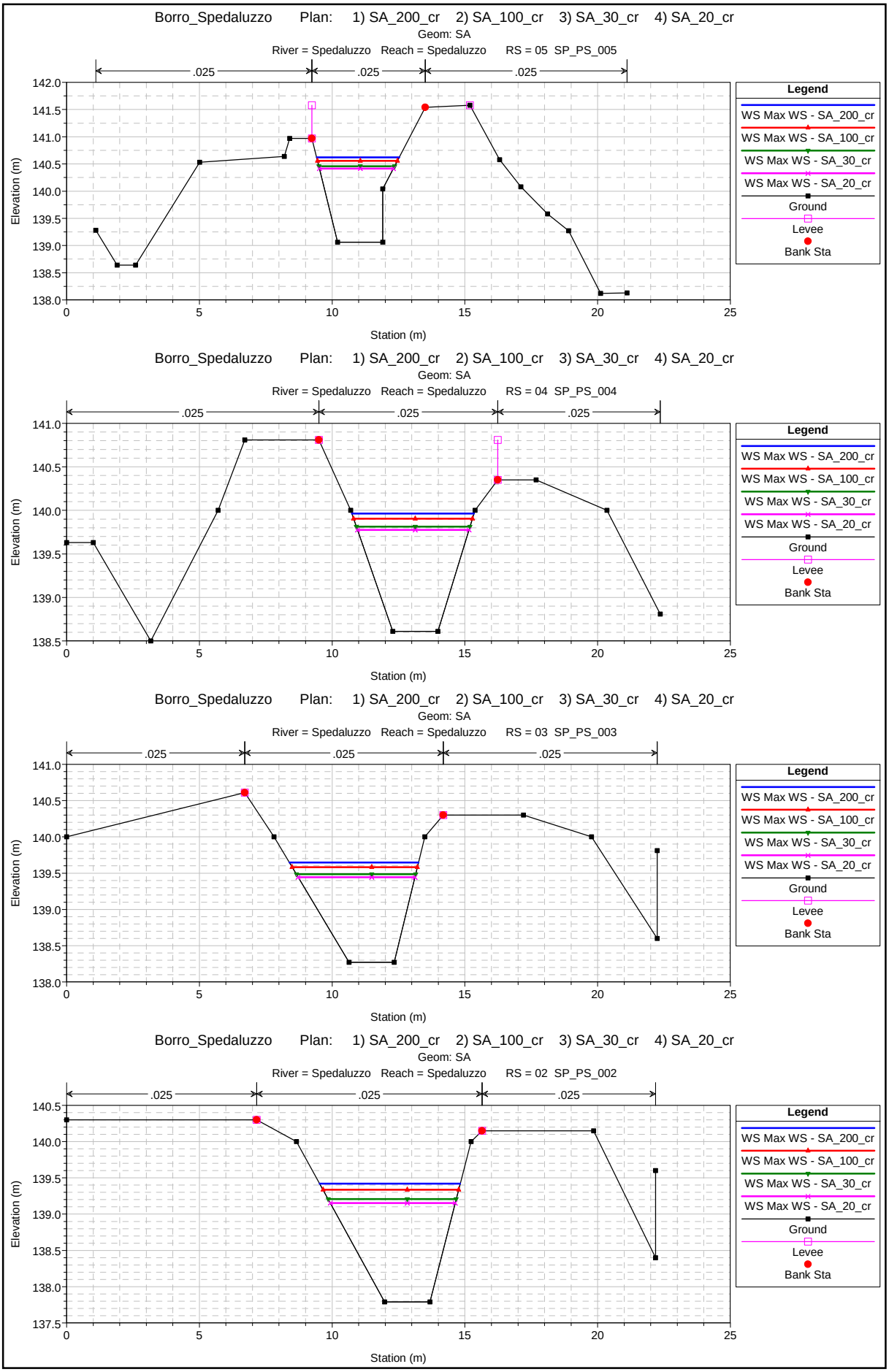
River = Spedaluzzo Reach = Spedaluzzo RS = 14.5 BR Ponte presso IPERCOOP




Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 14.5 BR Ponte presso IPERCOOP
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 14 SP_PS_014
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 13 SP_PS_013
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 12 SP_PS_012
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 11 SP_PS_011
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 10 SP_PS_010
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 09 SP_PS_009
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 08 SP_PS_008
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 07 SP_PS_007
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 06 SP_PS_006
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 05 SP_PS_005
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 04 SP_PS_004
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 03 SP_PS_003
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 02 SP_PS_002
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

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	51	Max WS	SA_200_cr	12.87	144.48	146.01		146.55	0.003705	3.24	3.97	2.92	0.83
Spedaluzzo	51	Max WS	SA_100_cr	10.93	144.48	145.84		146.33	0.003972	3.10	3.53	2.89	0.85
Spedaluzzo	51	Max WS	SA_30_cr	8.29	144.48	145.61		146.02	0.004258	2.83	2.93	2.84	0.85
Spedaluzzo	51	Max WS	SA_20_cr	7.50	144.48	145.54		145.92	0.004341	2.74	2.74	2.82	0.85
Spedaluzzo	50	Max WS	SA_200_cr	12.95	144.38	145.89	145.83	146.52	0.012727	3.52	3.68	2.58	0.94
Spedaluzzo	50	Max WS	SA_100_cr	10.91	144.38	145.71	145.67	146.29	0.012713	3.38	3.23	2.54	0.96
Spedaluzzo	50	Max WS	SA_30_cr	8.28	144.38	145.49	145.46	145.98	0.012345	3.12	2.66	2.50	0.97
Spedaluzzo	50	Max WS	SA_20_cr	7.50	144.38	145.42	145.39	145.88	0.012147	3.02	2.48	2.49	0.96
Spedaluzzo	49	Max WS	SA_200_cr	12.85	144.28	145.77		146.34	0.010941	3.33	3.86	2.73	0.89
Spedaluzzo	49	Max WS	SA_100_cr	10.90	144.28	145.59		146.13	0.011390	3.24	3.36	2.69	0.93
Spedaluzzo	49	Max WS	SA_30_cr	8.28	144.28	145.36	145.32	145.82	0.011261	3.01	2.75	2.65	0.94
Spedaluzzo	49	Max WS	SA_20_cr	7.49	144.28	145.29	145.25	145.73	0.011092	2.91	2.57	2.64	0.94
Spedaluzzo	48	Max WS	SA_200_cr	12.83	144.20	145.63	145.59	146.27	0.012966	3.53	3.64	2.62	0.96
Spedaluzzo	48	Max WS	SA_100_cr	10.88	144.20	145.46	145.45	146.05	0.013199	3.41	3.19	2.60	0.98
Spedaluzzo	48	Max WS	SA_30_cr	8.27	144.20	145.24	145.24	145.75	0.013159	3.17	2.61	2.58	1.01
Spedaluzzo	48	Max WS	SA_20_cr	7.49	144.20	145.17	145.17	145.65	0.012980	3.07	2.44	2.57	1.01
Spedaluzzo	47	Max WS	SA_200_cr	12.12	143.76	145.36		145.81	0.008638	2.98	4.08	3.44	0.76
Spedaluzzo	47	Max WS	SA_100_cr	10.76	143.76	145.15		145.62	0.009825	3.04	3.54	2.59	0.83
Spedaluzzo	47	Max WS	SA_30_cr	8.24	143.76	144.94		145.33	0.009039	2.75	2.99	2.57	0.81
Spedaluzzo	47	Max WS	SA_20_cr	7.45	143.76	144.88		145.23	0.008495	2.62	2.84	2.57	0.80
Spedaluzzo	46	Max WS	SA_200_cr	13.06	143.71	145.27		145.83	0.010650	3.30	3.96	3.13	0.86
Spedaluzzo	46	Max WS	SA_100_cr	10.70	143.71	145.07		145.57	0.010623	3.14	3.41	2.62	0.88
Spedaluzzo	46	Max WS	SA_30_cr	8.22	143.71	144.84		145.27	0.010403	2.91	2.82	2.58	0.89
Spedaluzzo	46	Max WS	SA_20_cr	7.44	143.71	144.78		145.18	0.009918	2.79	2.67	2.57	0.87
Spedaluzzo	45	Max WS	SA_200_cr	13.54	143.65	145.22		145.81	0.011488	3.41	3.97	2.60	0.88
Spedaluzzo	45	Max WS	SA_100_cr	10.59	143.65	144.99		145.49	0.010743	3.13	3.38	2.58	0.87
Spedaluzzo	45	Max WS	SA_30_cr	8.19	143.65	144.75		145.19	0.010941	2.95	2.77	2.56	0.91
Spedaluzzo	45	Max WS	SA_20_cr	7.33	143.65	144.69		145.09	0.010216	2.79	2.62	2.56	0.88
Spedaluzzo	44	Max WS	SA_200_cr	12.77	143.55	145.21	144.32	145.29	0.000730	1.28	9.94	6.01	0.32
Spedaluzzo	44	Max WS	SA_100_cr	11.26	143.55	145.05	144.26	145.13	0.000757	1.25	9.00	6.01	0.33
Spedaluzzo	44	Max WS	SA_30_cr	8.37	143.55	144.82	144.13	144.89	0.000673	1.10	7.64	6.01	0.31
Spedaluzzo	44	Max WS	SA_20_cr	7.62	143.55	144.74	144.10	144.80	0.000683	1.07	7.14	6.00	0.31

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	43.5			Bridge									
Spedaluzzo	43	Max WS	SA_200_cr	12.49	143.45	145.18		145.23	0.000469	1.05	13.63	14.62	0.25
Spedaluzzo	43	Max WS	SA_100_cr	11.11	143.45	144.98		145.05	0.000697	1.21	9.17	6.01	0.31
Spedaluzzo	43	Max WS	SA_30_cr	8.36	143.45	144.78		144.84	0.000589	1.05	7.99	6.00	0.29
Spedaluzzo	43	Max WS	SA_20_cr	7.61	143.45	144.71		144.76	0.000579	1.01	7.54	6.00	0.29
Spedaluzzo	42	Max WS	SA_200_cr	14.27	143.34	144.89	144.88	145.64	0.015135	3.82	3.73	2.46	0.99
Spedaluzzo	42	Max WS	SA_100_cr	11.04	143.34	144.70		145.28	0.012929	3.39	3.26	2.44	0.94
Spedaluzzo	42	Max WS	SA_30_cr	8.32	143.34	144.50		144.96	0.011414	3.01	2.76	2.43	0.90
Spedaluzzo	42	Max WS	SA_20_cr	7.56	143.34	144.43		144.86	0.011098	2.91	2.60	2.43	0.90
Spedaluzzo	41	Max WS	SA_200_cr	11.95	143.15	144.52	144.47	145.12	0.012913	3.45	3.46	2.58	0.95
Spedaluzzo	41	Max WS	SA_100_cr	10.90	143.15	144.35	144.39	145.01	0.015269	3.59	3.03	2.57	1.06
Spedaluzzo	41	Max WS	SA_30_cr	8.29	143.15	144.17	144.18	144.70	0.013786	3.22	2.57	2.55	1.02
Spedaluzzo	41	Max WS	SA_20_cr	7.54	143.15	144.11	144.12	144.60	0.013490	3.11	2.42	2.55	1.02
Spedaluzzo	40	Max WS	SA_200_cr	11.92	143.02	144.43	144.27	144.93	0.002998	3.13	3.81	2.73	0.84
Spedaluzzo	40	Max WS	SA_100_cr	10.73	143.02	144.18	144.19	144.77	0.004600	3.41	3.15	2.72	1.01
Spedaluzzo	40	Max WS	SA_30_cr	8.24	143.02	144.01	144.00	144.49	0.004587	3.06	2.69	2.72	0.98
Spedaluzzo	40	Max WS	SA_20_cr	7.48	143.02	143.96	143.94	144.40	0.004608	2.95	2.53	2.72	0.97
Spedaluzzo	39.5			Bridge									
Spedaluzzo	39	Max WS	SA_200_cr	13.96	142.94	144.67		144.97	0.001390	2.43	5.74	3.92	0.59
Spedaluzzo	39	Max WS	SA_100_cr	11.05	142.94	144.49		144.73	0.001261	2.15	5.13	3.86	0.55
Spedaluzzo	39	Max WS	SA_30_cr	8.31	142.94	144.18		144.39	0.001505	2.02	4.11	3.75	0.58
Spedaluzzo	39	Max WS	SA_20_cr	7.53	142.94	144.08		144.28	0.001633	1.99	3.78	3.71	0.60
Spedaluzzo	38	Max WS	SA_200_cr	12.80	142.81	144.59		144.86	0.004078	2.31	5.55	3.75	0.57
Spedaluzzo	38	Max WS	SA_100_cr	10.98	142.81	144.44		144.68	0.003873	2.18	5.05	3.31	0.56
Spedaluzzo	38	Max WS	SA_30_cr	8.29	142.81	144.12		144.34	0.004083	2.06	4.02	3.23	0.59
Spedaluzzo	38	Max WS	SA_20_cr	7.52	142.81	144.02		144.23	0.004255	2.04	3.69	3.21	0.61
Spedaluzzo	37	Max WS	SA_200_cr	12.72	142.68	144.66	143.82	144.81	0.001392	1.68	7.56	4.27	0.40
Spedaluzzo	37	Max WS	SA_100_cr	10.94	142.68	144.50	143.69	144.63	0.001338	1.59	6.87	4.22	0.40
Spedaluzzo	37	Max WS	SA_30_cr	8.28	142.68	144.17	143.52	144.29	0.001412	1.50	5.51	4.14	0.42
Spedaluzzo	37	Max WS	SA_20_cr	7.51	142.68	144.07	143.47	144.18	0.001464	1.48	5.07	4.11	0.43

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	36.5			Bridge									
Spedaluzzo	36	Max WS	SA_200_cr	14.27	142.62	144.68		144.82	0.001316	1.68	8.49	4.12	0.37
Spedaluzzo	36	Max WS	SA_100_cr	10.94	142.62	144.45		144.56	0.001065	1.45	7.53	4.12	0.34
Spedaluzzo	36	Max WS	SA_30_cr	8.28	142.62	144.15		144.24	0.000989	1.31	6.31	4.12	0.34
Spedaluzzo	36	Max WS	SA_20_cr	7.51	142.62	144.06		144.14	0.000972	1.27	5.92	4.12	0.34
Spedaluzzo	35.99			Lat Struct									
Spedaluzzo	35.98			Lat Struct									
Spedaluzzo	35	Max WS	SA_200_cr	13.52	142.50	144.24		144.78	0.010326	3.25	4.16	2.54	0.81
Spedaluzzo	35	Max WS	SA_100_cr	10.91	142.50	144.06		144.50	0.009103	2.95	3.70	2.52	0.78
Spedaluzzo	35	Max WS	SA_30_cr	8.26	142.50	143.84		144.19	0.008034	2.63	3.14	2.49	0.75
Spedaluzzo	35	Max WS	SA_20_cr	7.50	142.50	143.76		144.09	0.007803	2.54	2.95	2.48	0.74
Spedaluzzo	34	Max WS	SA_200_cr	13.43	142.37	144.37		144.61	0.003426	2.16	6.21	3.23	0.50
Spedaluzzo	34	Max WS	SA_100_cr	10.90	142.37	144.17		144.37	0.002991	1.96	5.57	3.20	0.47
Spedaluzzo	34	Max WS	SA_30_cr	8.27	142.37	143.92		144.07	0.002584	1.73	4.78	3.17	0.45
Spedaluzzo	34	Max WS	SA_20_cr	7.50	142.37	143.84		143.98	0.002475	1.66	4.52	3.16	0.44
Spedaluzzo	33	Max WS	SA_200_cr	13.34	142.26	144.16		144.52	0.005414	2.64	5.06	3.61	0.71
Spedaluzzo	33	Max WS	SA_100_cr	10.87	142.26	143.97		144.29	0.005234	2.48	4.39	3.42	0.70
Spedaluzzo	33	Max WS	SA_30_cr	8.26	142.26	143.73		144.00	0.005121	2.30	3.59	3.18	0.69
Spedaluzzo	33	Max WS	SA_20_cr	7.50	142.26	143.65		143.91	0.005148	2.25	3.34	3.09	0.69
Spedaluzzo	32	Max WS	SA_200_cr	13.32	142.09	144.02		144.36	0.005195	2.59	5.13	3.62	0.70
Spedaluzzo	32	Max WS	SA_100_cr	10.87	142.09	143.84		144.14	0.004917	2.42	4.49	3.44	0.68
Spedaluzzo	32	Max WS	SA_30_cr	8.26	142.09	143.61		143.86	0.004659	2.22	3.72	3.21	0.66
Spedaluzzo	32	Max WS	SA_20_cr	7.50	142.09	143.52		143.76	0.004668	2.17	3.46	3.13	0.66
Spedaluzzo	31	Max WS	SA_200_cr	13.26	141.81	143.82		144.12	0.004429	2.44	5.43	3.70	0.64
Spedaluzzo	31	Max WS	SA_100_cr	10.87	141.81	143.66		143.92	0.003983	2.23	4.86	3.55	0.61
Spedaluzzo	31	Max WS	SA_30_cr	8.25	141.81	143.46		143.66	0.003491	1.99	4.15	3.34	0.57
Spedaluzzo	31	Max WS	SA_20_cr	7.46	141.81	143.38		143.56	0.003407	1.92	3.88	3.26	0.56
Spedaluzzo	30	Max WS	SA_200_cr	13.23	141.68	143.76		144.03	0.003940	2.33	5.67	3.77	0.61
Spedaluzzo	30	Max WS	SA_100_cr	10.87	141.68	143.61		143.84	0.003456	2.12	5.13	3.62	0.57

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	30	Max WS	SA_30_cr	8.25	141.68	143.41		143.59	0.002918	1.86	4.44	3.43	0.52
Spedaluzzo	30	Max WS	SA_20_cr	7.45	141.68	143.33		143.50	0.002813	1.79	4.17	3.35	0.51
Spedaluzzo	29.4			Lat Struct									
Spedaluzzo	29.3			Lat Struct									
Spedaluzzo	29	Max WS	SA_200_cr	13.21	141.46	143.44		143.84	0.006535	2.79	4.73	3.07	0.72
Spedaluzzo	29	Max WS	SA_100_cr	10.85	141.46	143.40		143.68	0.004779	2.37	4.59	3.04	0.61
Spedaluzzo	29	Max WS	SA_30_cr	8.25	141.46	143.27		143.47	0.003443	1.96	4.22	2.95	0.52
Spedaluzzo	29	Max WS	SA_20_cr	7.39	141.46	143.20		143.38	0.003134	1.84	4.02	2.91	0.50
Spedaluzzo	28	Max WS	SA_200_cr	13.21	141.44	143.66	142.55	143.80	0.001343	1.66	7.97	3.60	0.36
Spedaluzzo	28	Max WS	SA_100_cr	10.86	141.44	143.55	142.42	143.66	0.001031	1.43	7.59	3.60	0.31
Spedaluzzo	28	Max WS	SA_30_cr	8.25	141.44	143.38	142.25	143.45	0.000745	1.18	6.97	3.60	0.27
Spedaluzzo	28	Max WS	SA_20_cr	7.43	141.44	143.30	142.20	143.36	0.000675	1.11	6.68	3.60	0.26
Spedaluzzo	27.5			Bridge									
Spedaluzzo	27	Max WS	SA_200_cr	13.19	141.34	143.65		143.77	0.000885	1.54	8.64	4.10	0.33
Spedaluzzo	27	Max WS	SA_100_cr	10.86	141.34	143.54		143.63	0.000705	1.33	8.21	3.90	0.29
Spedaluzzo	27	Max WS	SA_30_cr	8.24	141.34	143.37		143.43	0.000540	1.10	7.52	3.90	0.25
Spedaluzzo	27	Max WS	SA_20_cr	7.37	141.34	143.28		143.34	0.000496	1.03	7.20	3.90	0.24
Spedaluzzo	26.9			Lat Struct									
Spedaluzzo	26.8			Lat Struct									
Spedaluzzo	26	Max WS	SA_200_cr	13.19	141.33	143.58		143.77	0.002357	1.92	6.86	4.23	0.48
Spedaluzzo	26	Max WS	SA_100_cr	10.86	141.33	143.49		143.63	0.001859	1.68	6.48	4.13	0.43
Spedaluzzo	26	Max WS	SA_30_cr	8.24	141.33	143.32		143.43	0.001426	1.42	5.81	3.96	0.37
Spedaluzzo	26	Max WS	SA_20_cr	7.37	141.33	143.24		143.34	0.001314	1.34	5.50	3.88	0.36
Spedaluzzo	25	Max WS	SA_200_cr	13.19	141.33	143.57		143.76	0.002386	1.93	6.83	4.22	0.48
Spedaluzzo	25	Max WS	SA_100_cr	10.86	141.33	143.48		143.63	0.001877	1.68	6.45	4.13	0.43
Spedaluzzo	25	Max WS	SA_30_cr	8.24	141.33	143.32		143.42	0.001436	1.42	5.79	3.96	0.38
Spedaluzzo	25	Max WS	SA_20_cr	7.37	141.33	143.24		143.33	0.001324	1.34	5.49	3.87	0.36
Spedaluzzo	24	Max WS	SA_200_cr	12.88	141.21	143.46		143.67	0.002780	2.03	6.34	3.91	0.51

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	SA_100_cr	10.86	141.21	143.38		143.55	0.002243	1.80	6.05	3.87	0.46
Spedaluzzo	24	Max WS	SA_30_cr	8.24	141.21	143.25		143.36	0.001620	1.49	5.55	3.74	0.39
Spedaluzzo	24	Max WS	SA_20_cr	7.22	141.21	143.18		143.27	0.001414	1.37	5.28	3.67	0.36
Spedaluzzo	23	Max WS	SA_200_cr	12.67	141.12	143.22		143.55	0.005518	2.58	4.93	3.31	0.64
Spedaluzzo	23	Max WS	SA_100_cr	10.84	141.12	143.19		143.45	0.004218	2.24	4.85	3.19	0.56
Spedaluzzo	23	Max WS	SA_30_cr	8.24	141.12	143.14		143.29	0.002685	1.76	4.68	2.94	0.45
Spedaluzzo	23	Max WS	SA_20_cr	7.16	141.12	143.09		143.21	0.002208	1.58	4.53	2.91	0.40
Spedaluzzo	22	Max WS	SA_200_cr	10.94	141.05	143.32		143.50	0.002478	1.85	5.91	2.98	0.42
Spedaluzzo	22	Max WS	SA_100_cr	9.53	141.05	143.27		143.41	0.002002	1.65	5.76	2.98	0.38
Spedaluzzo	22	Max WS	SA_30_cr	7.72	141.05	143.15		143.26	0.001546	1.43	5.41	2.98	0.34
Spedaluzzo	22	Max WS	SA_20_cr	7.01	141.05	143.08		143.17	0.001419	1.35	5.19	2.98	0.33
Spedaluzzo	21	Max WS	SA_200_cr	9.37	141.04	143.42	142.31	143.54	0.001370	1.56	6.02	2.84	0.34
Spedaluzzo	21	Max WS	SA_100_cr	8.27	141.04	143.34	142.22	143.44	0.001175	1.43	5.79	2.84	0.32
Spedaluzzo	21	Max WS	SA_30_cr	7.19	141.04	143.18	142.13	143.27	0.001097	1.35	5.33	2.84	0.31
Spedaluzzo	21	Max WS	SA_20_cr	6.80	141.04	143.08	142.10	143.17	0.001115	1.34	5.07	2.84	0.32
Spedaluzzo	20.5			Bridge									
Spedaluzzo	20	Max WS	SA_200_cr	9.04	141.00	142.65		142.98	0.004907	2.53	3.57	2.54	0.68
Spedaluzzo	20	Max WS	SA_100_cr	8.27	141.00	142.64		142.92	0.004184	2.33	3.54	2.54	0.63
Spedaluzzo	20	Max WS	SA_30_cr	7.68	141.00	142.58		142.84	0.004094	2.27	3.38	2.53	0.63
Spedaluzzo	20	Max WS	SA_20_cr	7.31	141.00	142.54		142.79	0.003992	2.23	3.28	2.52	0.62
Spedaluzzo	19	Max WS	SA_200_cr	9.37	140.98	142.80		142.98	0.002783	1.86	5.03	3.33	0.48
Spedaluzzo	19	Max WS	SA_100_cr	8.27	140.98	142.76		142.90	0.002329	1.69	4.89	3.30	0.44
Spedaluzzo	19	Max WS	SA_30_cr	7.69	140.98	142.69		142.83	0.002295	1.65	4.66	3.26	0.44
Spedaluzzo	19	Max WS	SA_20_cr	7.31	140.98	142.64		142.78	0.002247	1.62	4.52	3.23	0.44
Spedaluzzo	18	Max WS	SA_200_cr	9.37	140.87	142.77		142.91	0.001870	1.61	5.83	3.64	0.41
Spedaluzzo	18	Max WS	SA_100_cr	8.27	140.87	142.74		142.85	0.001546	1.45	5.70	3.63	0.37
Spedaluzzo	18	Max WS	SA_30_cr	7.69	140.87	142.67		142.77	0.001516	1.41	5.44	3.59	0.37
Spedaluzzo	18	Max WS	SA_20_cr	7.31	140.87	142.62		142.72	0.001475	1.38	5.29	3.56	0.36
Spedaluzzo	17.9			Lat Struct									
Spedaluzzo	17	Max WS	SA_200_cr	8.96	140.74	142.60		142.83	0.004314	2.15	4.17	2.76	0.56

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	SA_100_cr	8.13	140.74	142.57		142.77	0.003706	1.98	4.10	2.76	0.52
Spedaluzzo	17	Max WS	SA_30_cr	7.69	140.74	142.49		142.69	0.003837	1.98	3.88	2.73	0.53
Spedaluzzo	17	Max WS	SA_20_cr	7.31	140.74	142.46		142.65	0.003696	1.93	3.78	2.71	0.52
Spedaluzzo	16	Max WS	SA_200_cr	8.41	140.60	142.48		142.71	0.004329	2.13	3.95	2.73	0.56
Spedaluzzo	16	Max WS	SA_100_cr	8.03	140.60	142.40		142.63	0.004541	2.14	3.75	2.70	0.58
Spedaluzzo	16	Max WS	SA_30_cr	7.69	140.60	142.27		142.53	0.005336	2.26	3.41	2.61	0.63
Spedaluzzo	16	Max WS	SA_20_cr	7.31	140.60	142.25		142.49	0.005014	2.18	3.36	2.60	0.61
Spedaluzzo	15	Max WS	SA_200_cr	8.13	140.56	142.56	141.65	142.69	0.001633	1.61	5.05	2.66	0.37
Spedaluzzo	15	Max WS	SA_100_cr	8.01	140.56	142.47	141.64	142.61	0.001798	1.67	4.80	2.66	0.40
Spedaluzzo	15	Max WS	SA_30_cr	7.69	140.56	142.35	141.61	142.50	0.001966	1.71	4.49	2.66	0.42
Spedaluzzo	15	Max WS	SA_20_cr	7.31	140.56	142.33	141.58	142.46	0.001845	1.65	4.42	2.66	0.41
Spedaluzzo	14.5			Bridge									
Spedaluzzo	14	Max WS	SA_200_cr	4.30	140.31	141.98		142.09	0.002218	1.52	2.84	2.04	0.41
Spedaluzzo	14	Max WS	SA_100_cr	4.30	140.31	141.96		142.08	0.002295	1.54	2.80	2.04	0.42
Spedaluzzo	14	Max WS	SA_30_cr	7.54	140.31	141.77		142.26	0.010076	3.10	2.43	1.97	0.89
Spedaluzzo	14	Max WS	SA_20_cr	7.23	140.31	141.73		142.21	0.010278	3.09	2.34	1.95	0.90
Spedaluzzo	13.9			Lat Struct									
Spedaluzzo	13.8			Lat Struct									
Spedaluzzo	13	Max WS	SA_200_cr	6.62	140.21	142.05		142.17	0.003237	1.53	4.33	5.02	0.52
Spedaluzzo	13	Max WS	SA_100_cr	6.14	140.21	142.03		142.14	0.002834	1.45	4.22	4.66	0.49
Spedaluzzo	13	Max WS	SA_30_cr	7.22	140.21	141.85		142.04	0.003841	1.96	3.68	2.66	0.53
Spedaluzzo	13	Max WS	SA_20_cr	6.55	140.21	141.76		141.94	0.003767	1.90	3.44	2.62	0.53
Spedaluzzo	12	Max WS	SA_200_cr	6.25	140.21	142.07		142.16	0.001285	1.27	4.91	3.52	0.34
Spedaluzzo	12	Max WS	SA_100_cr	5.96	140.21	142.04		142.12	0.001238	1.24	4.80	3.52	0.34
Spedaluzzo	12	Max WS	SA_30_cr	7.22	140.21	141.85		142.01	0.002686	1.74	4.14	3.35	0.50
Spedaluzzo	12	Max WS	SA_20_cr	6.52	140.21	141.75		141.90	0.002712	1.71	3.82	3.25	0.50
Spedaluzzo	11	Max WS	SA_200_cr	5.23	140.09	142.15		142.20	0.000630	0.93	5.60	3.50	0.24
Spedaluzzo	11	Max WS	SA_100_cr	5.43	140.09	142.10		142.15	0.000742	1.00	5.42	3.50	0.26
Spedaluzzo	11	Max WS	SA_30_cr	7.21	140.09	141.85		141.98	0.002092	1.59	4.55	3.47	0.44
Spedaluzzo	11	Max WS	SA_20_cr	6.52	140.09	141.75		141.88	0.002086	1.55	4.22	3.37	0.44

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

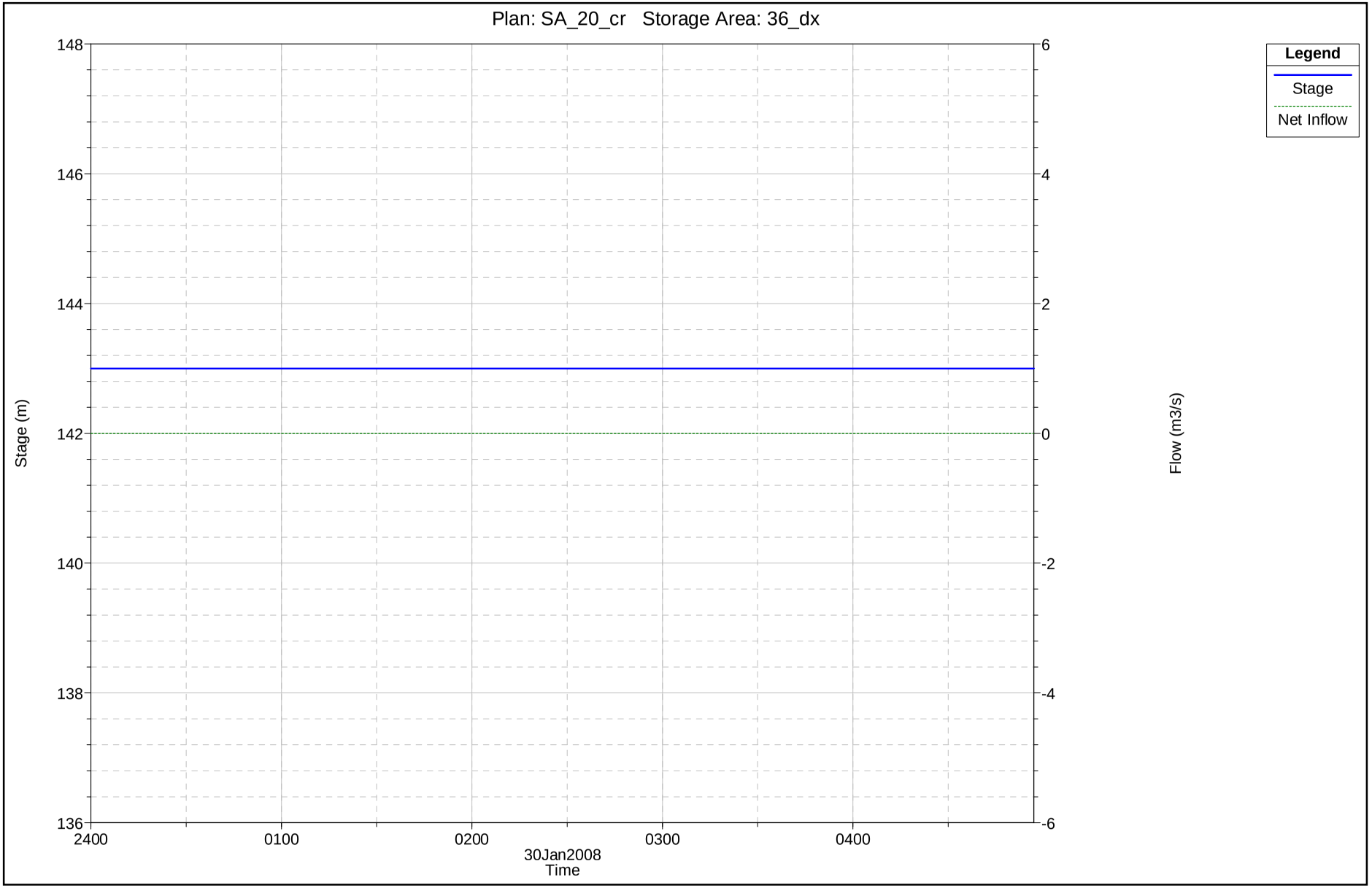
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Spedaluzzo	10	Max WS	SA_200_cr	9.32	139.85	141.82		141.98	0.002329	1.76	5.31	3.66	0.47
Spedaluzzo	10	Max WS	SA_100_cr	9.85	139.85	141.68		141.89	0.003439	2.06	4.77	3.53	0.57
Spedaluzzo	10	Max WS	SA_30_cr	8.74	139.85	141.52		141.74	0.003691	2.06	4.24	3.37	0.59
Spedaluzzo	10	Max WS	SA_20_cr	8.22	139.85	141.47		141.68	0.003684	2.03	4.05	3.32	0.59
Spedaluzzo	09	Max WS	SA_200_cr	12.09	139.68	141.33	141.16	141.76	0.005687	2.89	4.18	3.35	0.83
Spedaluzzo	09	Max WS	SA_100_cr	11.04	139.68	141.27	141.09	141.66	0.005461	2.78	3.96	3.29	0.81
Spedaluzzo	09	Max WS	SA_30_cr	9.59	139.68	141.15	140.97	141.52	0.005354	2.67	3.59	3.17	0.80
Spedaluzzo	09	Max WS	SA_20_cr	9.01	139.68	141.11	140.93	141.46	0.005314	2.62	3.44	3.13	0.80
Spedaluzzo	08.5			Bridge									
Spedaluzzo	08	Max WS	SA_200_cr	12.09	139.63	141.33		141.69	0.004606	2.66	4.54	3.32	0.73
Spedaluzzo	08	Max WS	SA_100_cr	11.03	139.63	141.27		141.59	0.004311	2.54	4.35	3.29	0.71
Spedaluzzo	08	Max WS	SA_30_cr	9.59	139.63	141.15		141.45	0.004111	2.41	3.98	3.21	0.69
Spedaluzzo	08	Max WS	SA_20_cr	9.01	139.63	141.10		141.39	0.004045	2.36	3.82	3.18	0.69
Spedaluzzo	7.9			Lat Struct									
Spedaluzzo	7.8			Lat Struct									
Spedaluzzo	07	Max WS	SA_200_cr	12.00	139.49	141.21		141.59	0.006351	2.73	4.39	3.42	0.77
Spedaluzzo	07	Max WS	SA_100_cr	11.02	139.49	141.14		141.49	0.006168	2.65	4.16	3.36	0.76
Spedaluzzo	07	Max WS	SA_30_cr	9.59	139.49	141.03		141.35	0.005893	2.51	3.81	3.25	0.74
Spedaluzzo	07	Max WS	SA_20_cr	9.01	139.49	140.98		141.29	0.005788	2.46	3.67	3.20	0.73
Spedaluzzo	06	Max WS	SA_200_cr	12.00	139.23	140.85	140.83	141.37	0.010927	3.22	3.73	3.37	0.98
Spedaluzzo	06	Max WS	SA_100_cr	11.02	139.23	140.78	140.75	141.28	0.010833	3.14	3.51	3.26	0.97
Spedaluzzo	06	Max WS	SA_30_cr	9.58	139.23	140.68	140.63	141.14	0.010648	3.02	3.17	3.09	0.95
Spedaluzzo	06	Max WS	SA_20_cr	9.01	139.23	140.63	140.58	141.08	0.010560	2.97	3.04	3.01	0.94
Spedaluzzo	05	Max WS	SA_200_cr	12.00	139.06	140.62	140.67	141.24	0.013355	3.48	3.45	3.11	1.06
Spedaluzzo	05	Max WS	SA_100_cr	11.02	139.06	140.56	140.59	141.14	0.013113	3.39	3.25	3.01	1.04
Spedaluzzo	05	Max WS	SA_30_cr	9.58	139.06	140.46	140.47	140.99	0.012653	3.24	2.96	2.85	1.01
Spedaluzzo	05	Max WS	SA_20_cr	9.01	139.06	140.41	140.42	140.93	0.012425	3.17	2.84	2.79	1.00
Spedaluzzo	04	Max WS	SA_200_cr	12.00	138.61	139.96		140.37	0.007256	2.82	4.26	4.60	0.93
Spedaluzzo	04	Max WS	SA_100_cr	11.01	138.61	139.90		140.29	0.007261	2.76	4.00	4.47	0.93

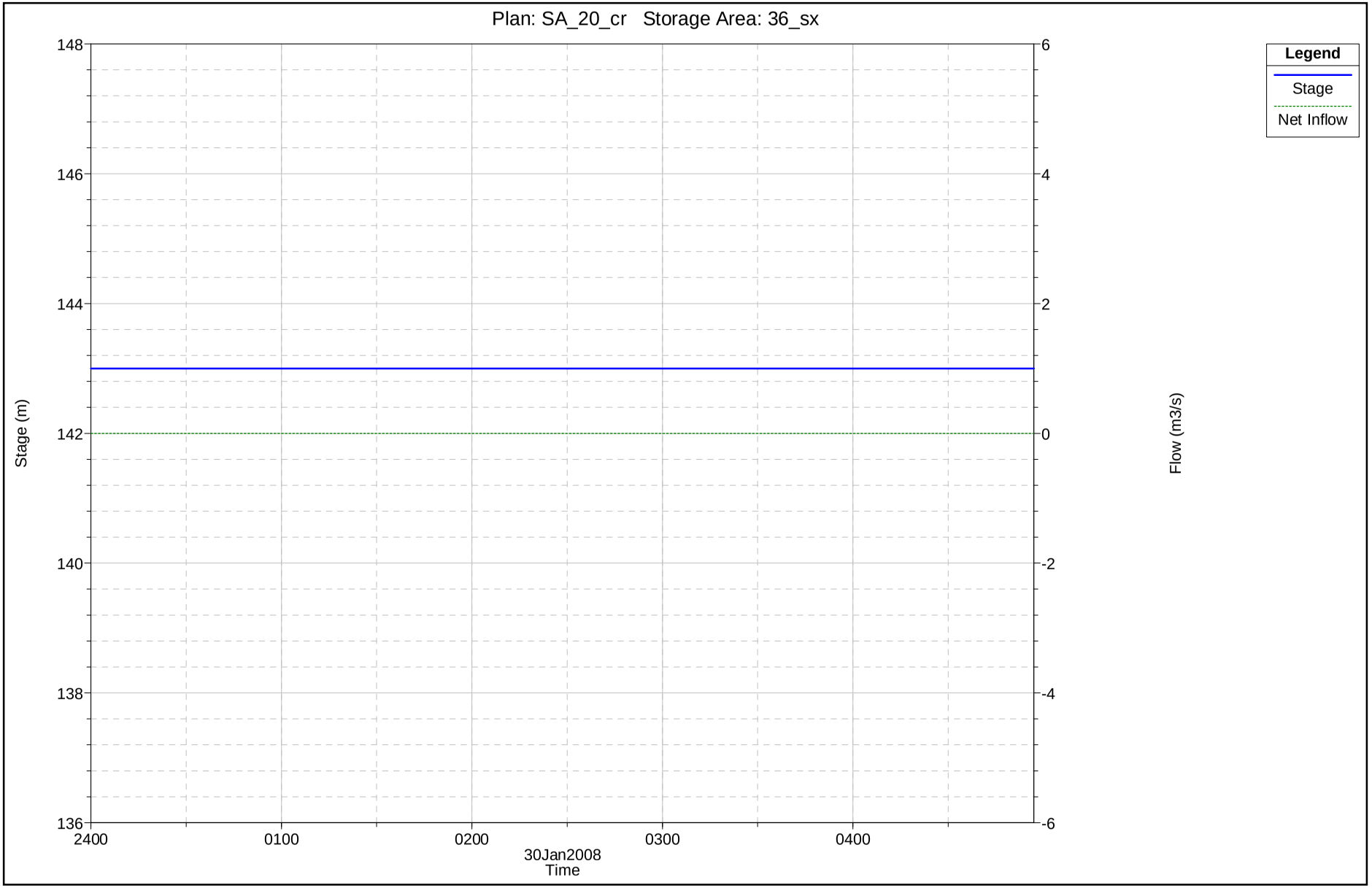
HEC-RAS River: Spedaluzzo Reach: Spedaluzzo Profile: Max WS (Continued)

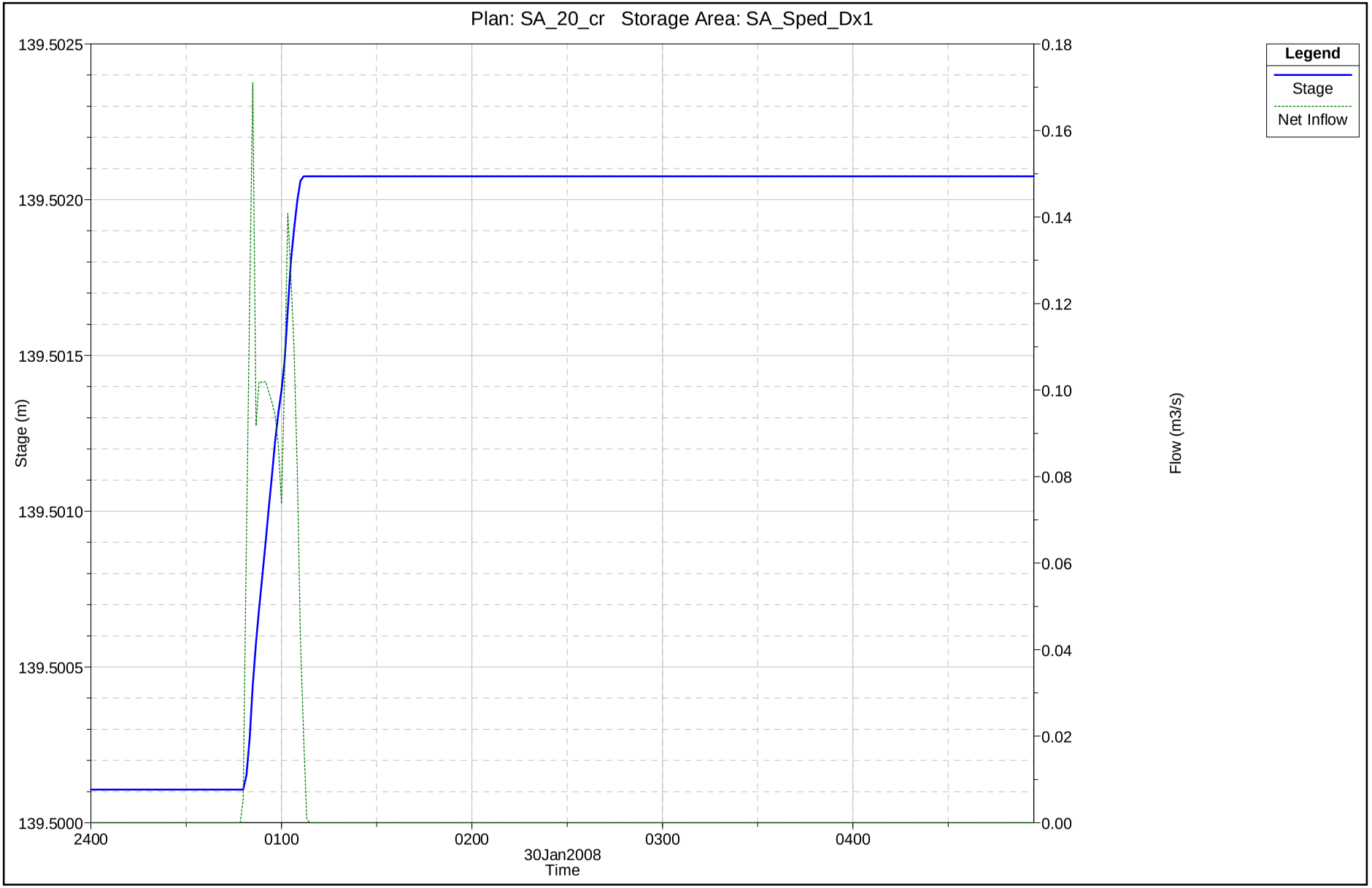
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Spedaluzzo	04	Max WS	SA_30_cr	9.57	138.61	139.81		140.17	0.007268	2.66	3.60	4.28	0.93
Spedaluzzo	04	Max WS	SA_20_cr	9.00	138.61	139.78		140.13	0.007274	2.62	3.44	4.20	0.92
Spedaluzzo	03	Max WS	SA_200_cr	12.00	138.27	139.65		140.01	0.006407	2.65	4.52	4.87	0.88
Spedaluzzo	03	Max WS	SA_100_cr	11.01	138.27	139.58		139.93	0.006527	2.61	4.21	4.72	0.88
Spedaluzzo	03	Max WS	SA_30_cr	9.57	138.27	139.49		139.81	0.006677	2.54	3.76	4.50	0.89
Spedaluzzo	03	Max WS	SA_20_cr	9.00	138.27	139.45		139.77	0.006729	2.51	3.59	4.40	0.89
Spedaluzzo	02	Max WS	SA_200_cr	11.99	137.79	139.42		139.65	0.003385	2.10	5.70	5.29	0.65
Spedaluzzo	02	Max WS	SA_100_cr	11.00	137.79	139.34		139.56	0.003529	2.09	5.26	5.11	0.66
Spedaluzzo	02	Max WS	SA_30_cr	9.56	137.79	139.21		139.42	0.003781	2.07	4.62	4.82	0.67
Spedaluzzo	02	Max WS	SA_20_cr	8.98	137.79	139.15		139.37	0.003893	2.06	4.36	4.70	0.68
Spedaluzzo	01	Max WS	SA_200_cr	11.98	137.36	138.97	138.81	139.38	0.007056	2.84	4.22	3.53	0.83
Spedaluzzo	01	Max WS	SA_100_cr	10.99	137.36	138.90	138.74	139.29	0.007029	2.78	3.96	3.44	0.83
Spedaluzzo	01	Max WS	SA_30_cr	9.55	137.36	138.78	138.63	139.15	0.007064	2.69	3.55	3.31	0.83
Spedaluzzo	01	Max WS	SA_20_cr	8.98	137.36	138.73	138.59	139.09	0.007068	2.65	3.39	3.25	0.83

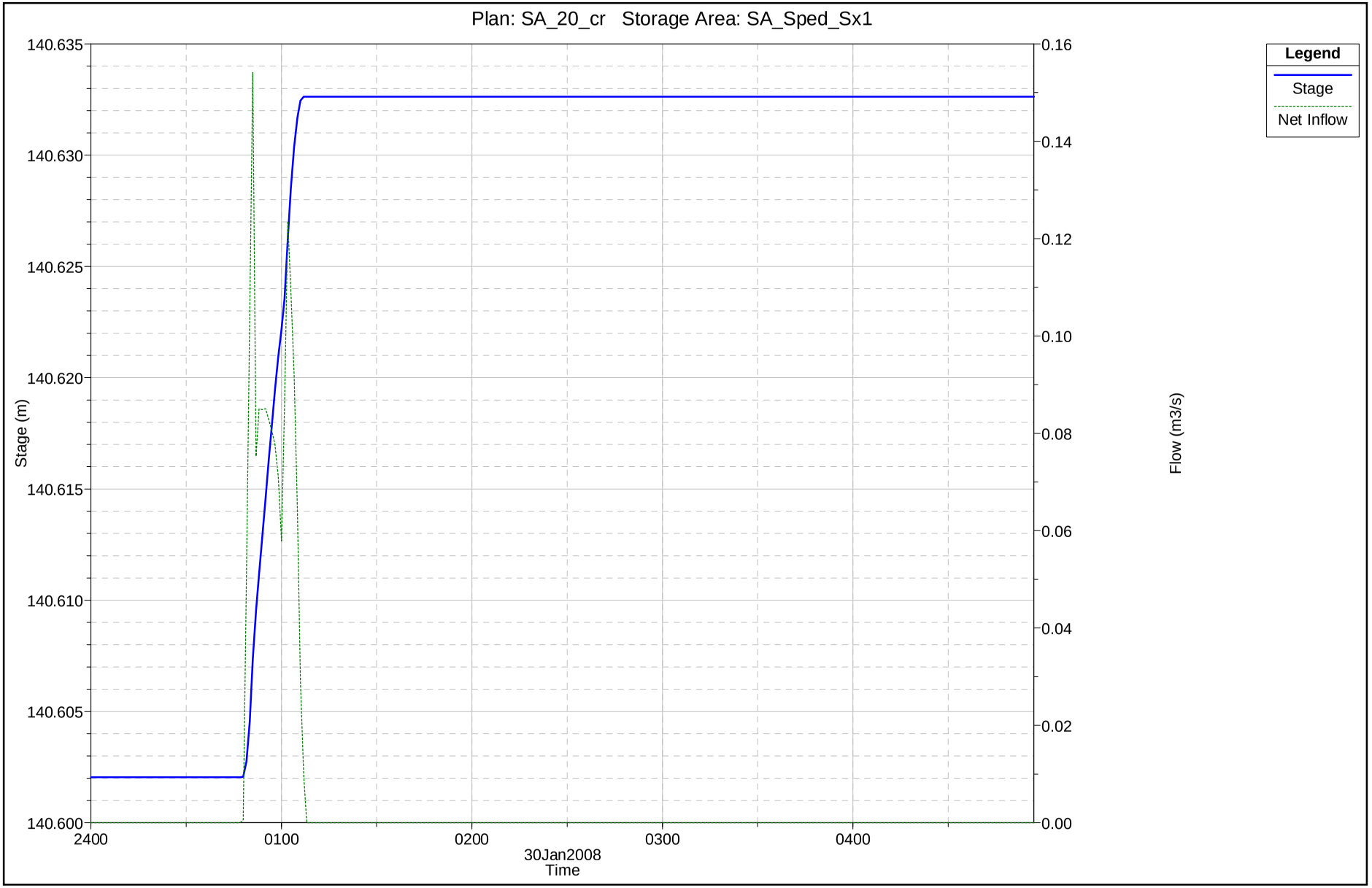
HEC-RAS Profile: Max WS

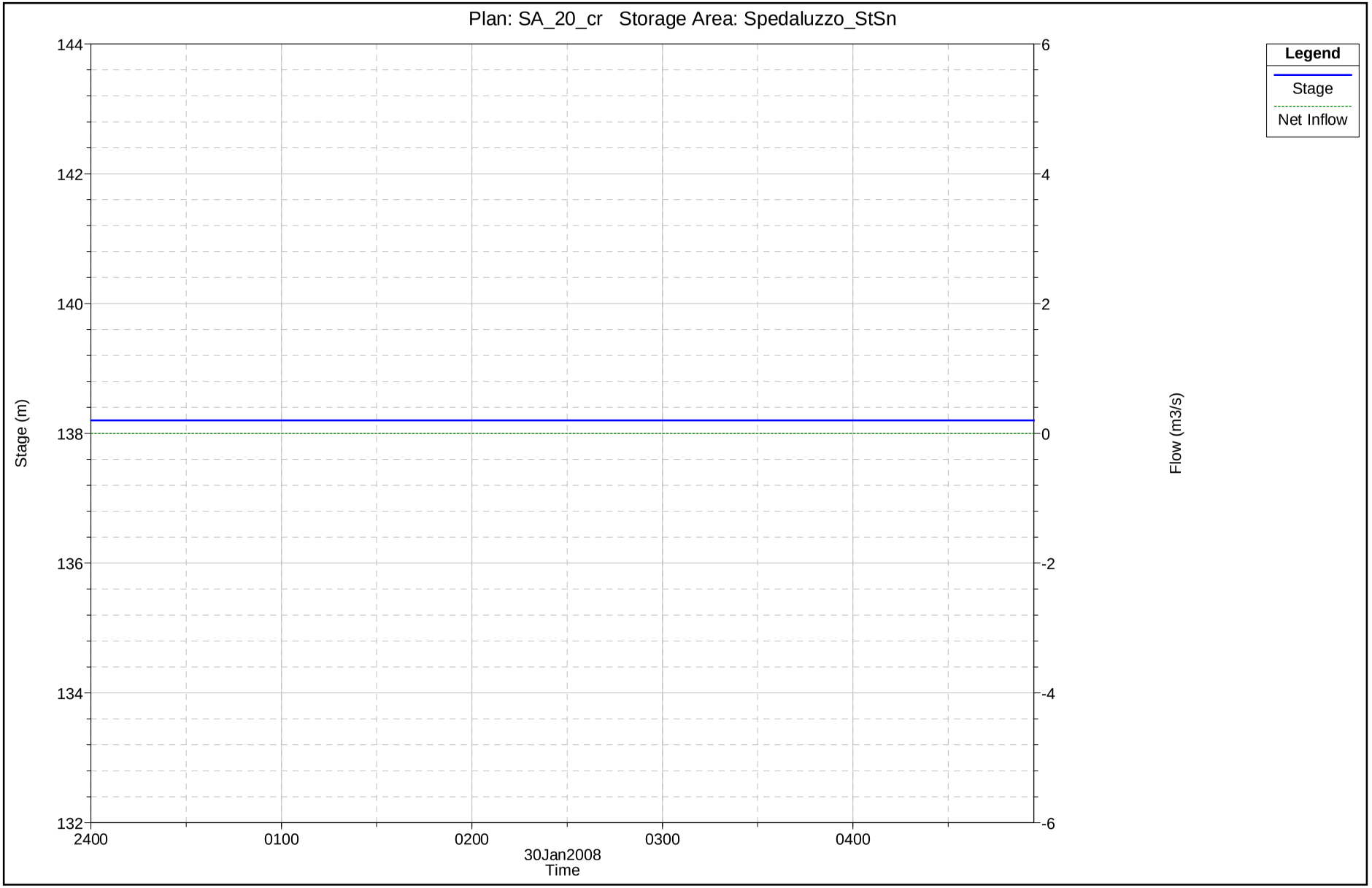
Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
36_dx	Max WS	SA_200_cr	143.01	143.00	0.27	2.50	0.03
36_dx	Max WS	SA_100_cr	143.00	143.00	0.00	2.50	0.00
36_dx	Max WS	SA_30_cr	143.00	143.00	0.00	2.50	0.00
36_dx	Max WS	SA_20_cr	143.00	143.00	0.00	2.50	0.00
36_sx	Max WS	SA_200_cr	143.03	143.00	0.27	1.30	0.03
36_sx	Max WS	SA_100_cr	143.00	143.00	0.00	1.30	0.00
36_sx	Max WS	SA_30_cr	143.00	143.00	0.00	1.30	0.00
36_sx	Max WS	SA_20_cr	143.00	143.00	0.00	1.30	0.00
SA_Sped_Dx1	Max WS	SA_200_cr	139.78	139.50	6.01	56.00	15.41
SA_Sped_Dx1	Max WS	SA_100_cr	139.57	139.50	3.16	56.00	3.65
SA_Sped_Dx1	Max WS	SA_30_cr	139.55	139.50	0.52	56.00	2.78
SA_Sped_Dx1	Max WS	SA_20_cr	139.50	139.50	0.18	56.00	0.12
SA_Sped_Sx1	Max WS	SA_200_cr	141.86	140.60	2.63	6.00	5.47
SA_Sped_Sx1	Max WS	SA_100_cr	141.44	140.60	2.33	6.00	2.96
SA_Sped_Sx1	Max WS	SA_30_cr	141.36	140.60	0.52	6.00	2.46
SA_Sped_Sx1	Max WS	SA_20_cr	140.63	140.60	0.16	3.00	0.10
Spedaluzzo_StSn	Max WS	SA_200_cr	138.21	138.20	0.08	9.00	0.10
Spedaluzzo_StSn	Max WS	SA_100_cr	138.20	138.20	0.01	9.00	0.01
Spedaluzzo_StSn	Max WS	SA_30_cr	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	Max WS	SA_20_cr	138.20	138.20	0.00	9.00	0.00

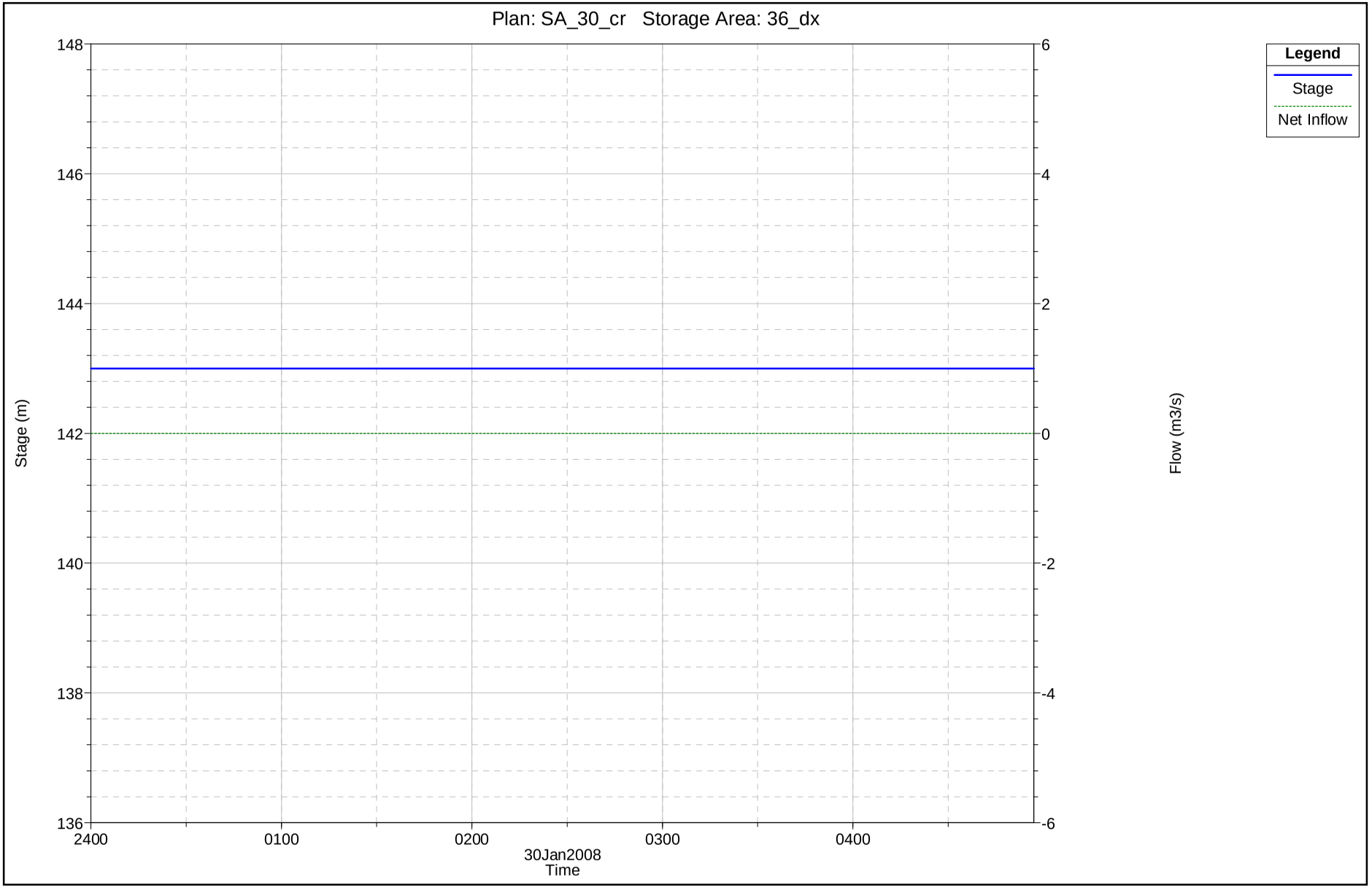

Plan: SA_20_cr Storage Area: 36_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

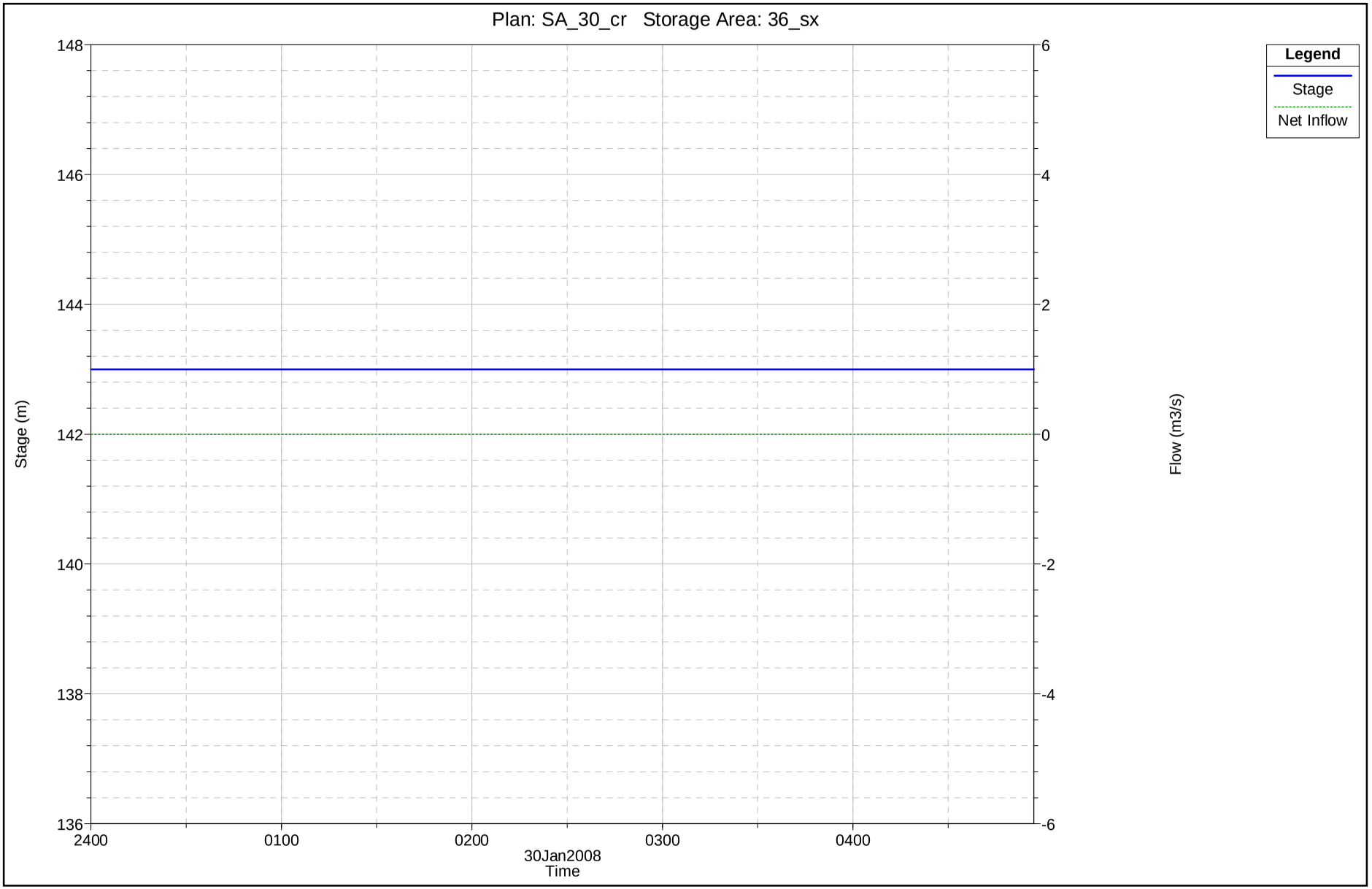

Plan: SA_20_cr Storage Area: 36_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

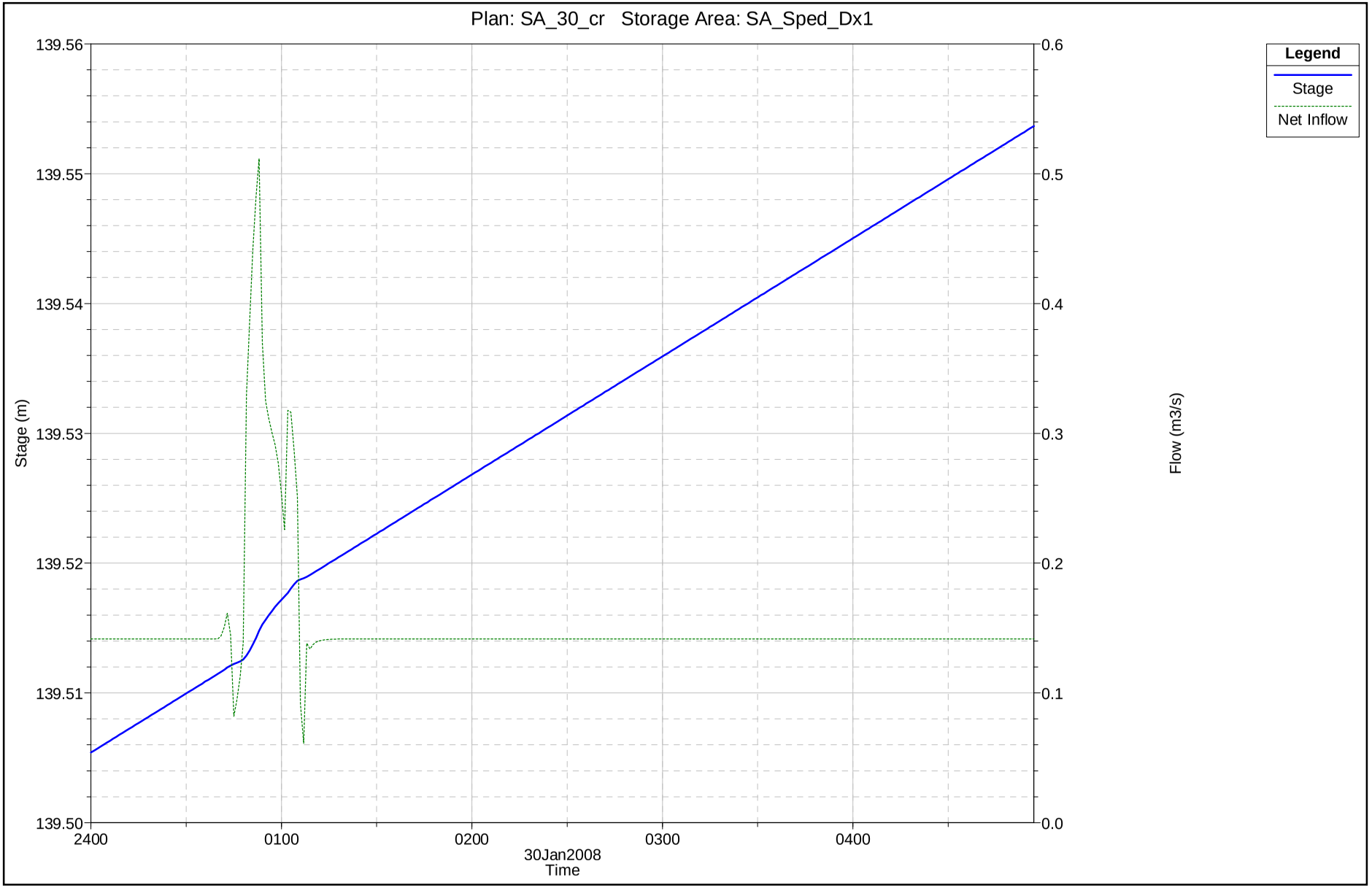

Plan: SA_20_cr Storage Area: SA_Sped_Dx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.5025
139.5020
139.5015
139.5010
139.5005
139.5000
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2400
0100
0200
0300
0400
30Jan2008
Time

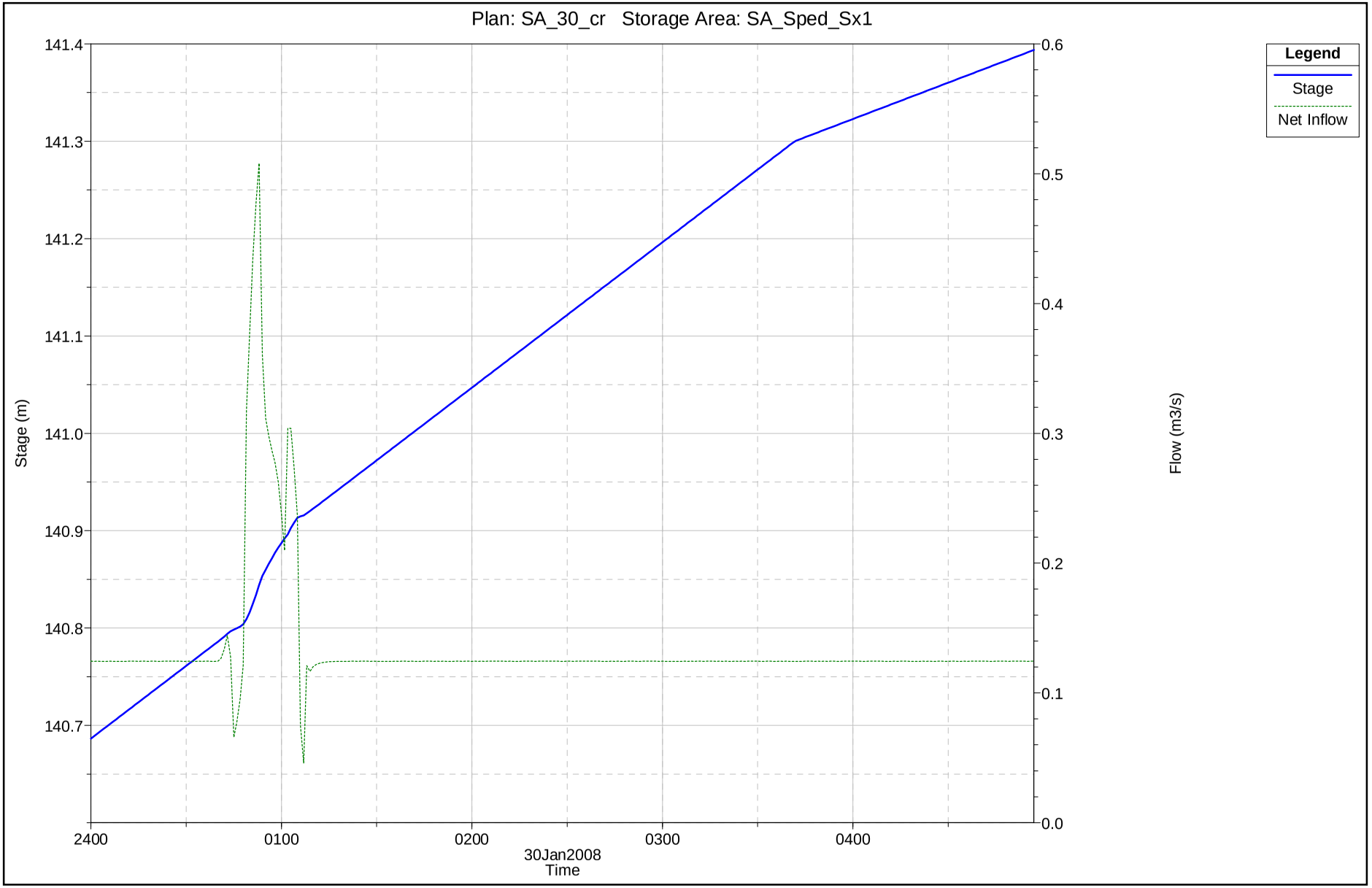

Plan: SA_20_cr Storage Area: SA_Sped_Sx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
140.635
140.630
140.625
140.620
140.615
140.610
140.605
140.600
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2400
0100
0200
0300
0400
30Jan2008
Time

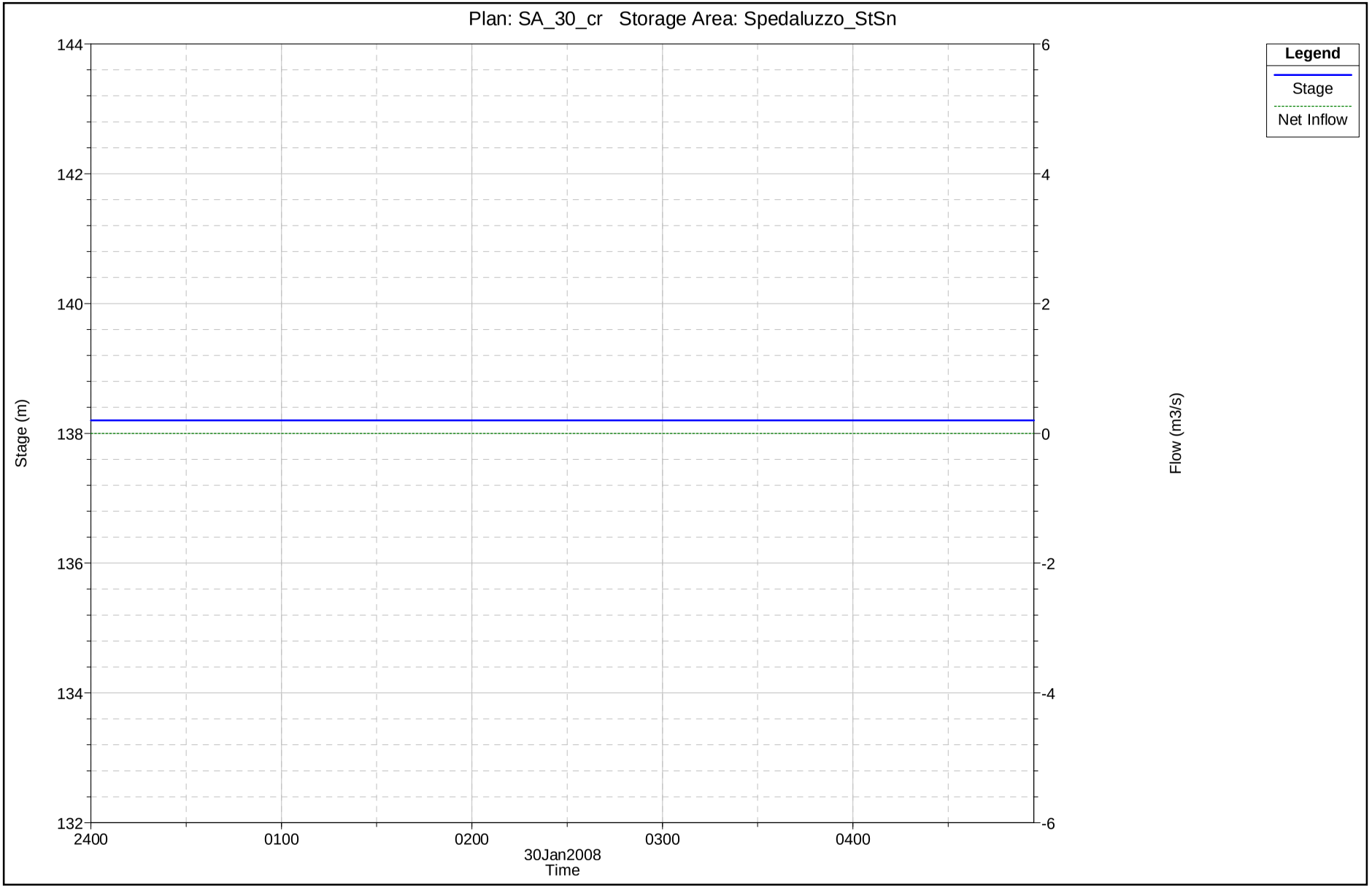

Plan: SA_20_cr Storage Area: Spedaluzzo_StSn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144
142
140
138
136
134
132
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

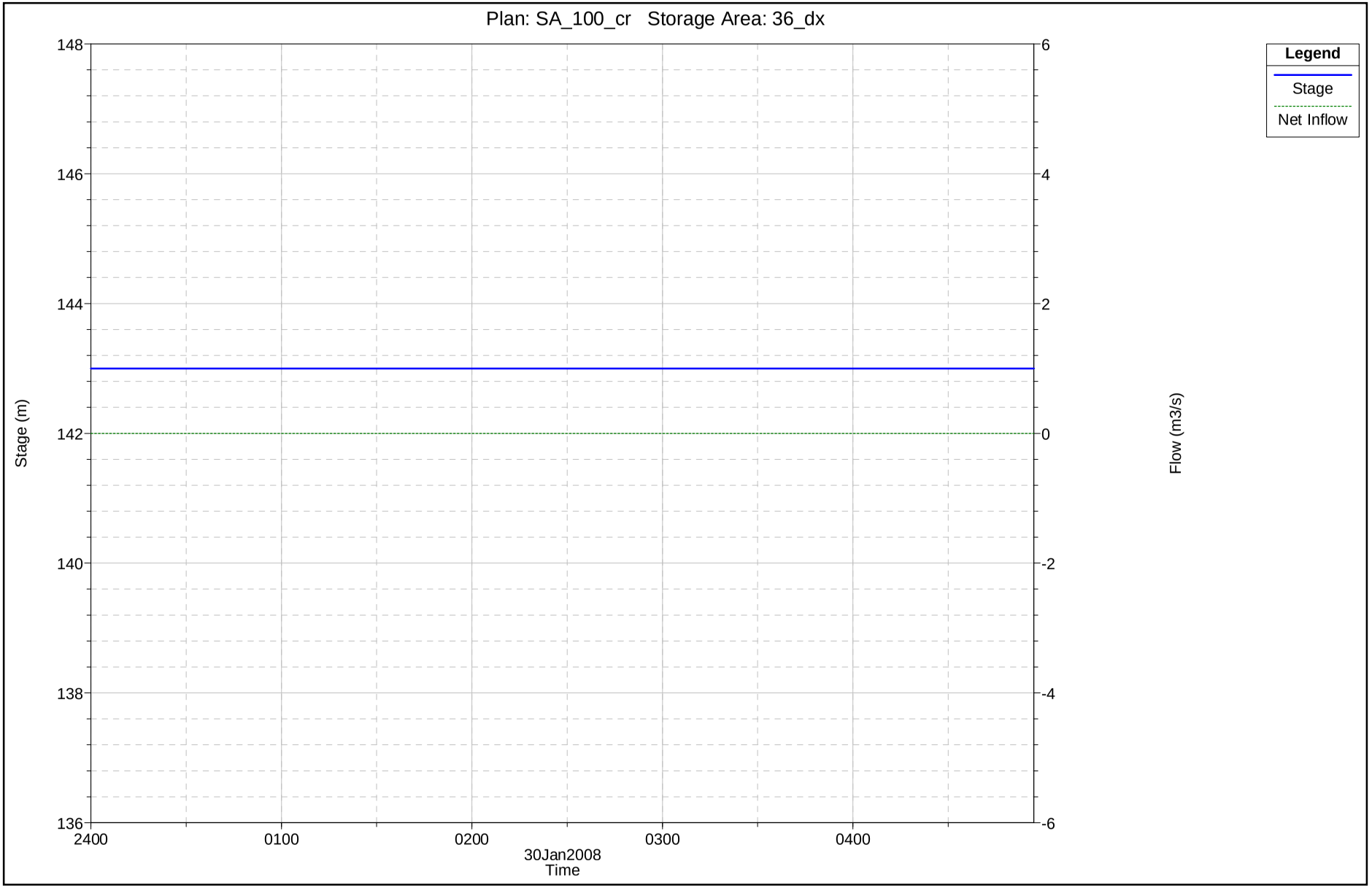

Plan: SA_30_cr Storage Area: 36_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

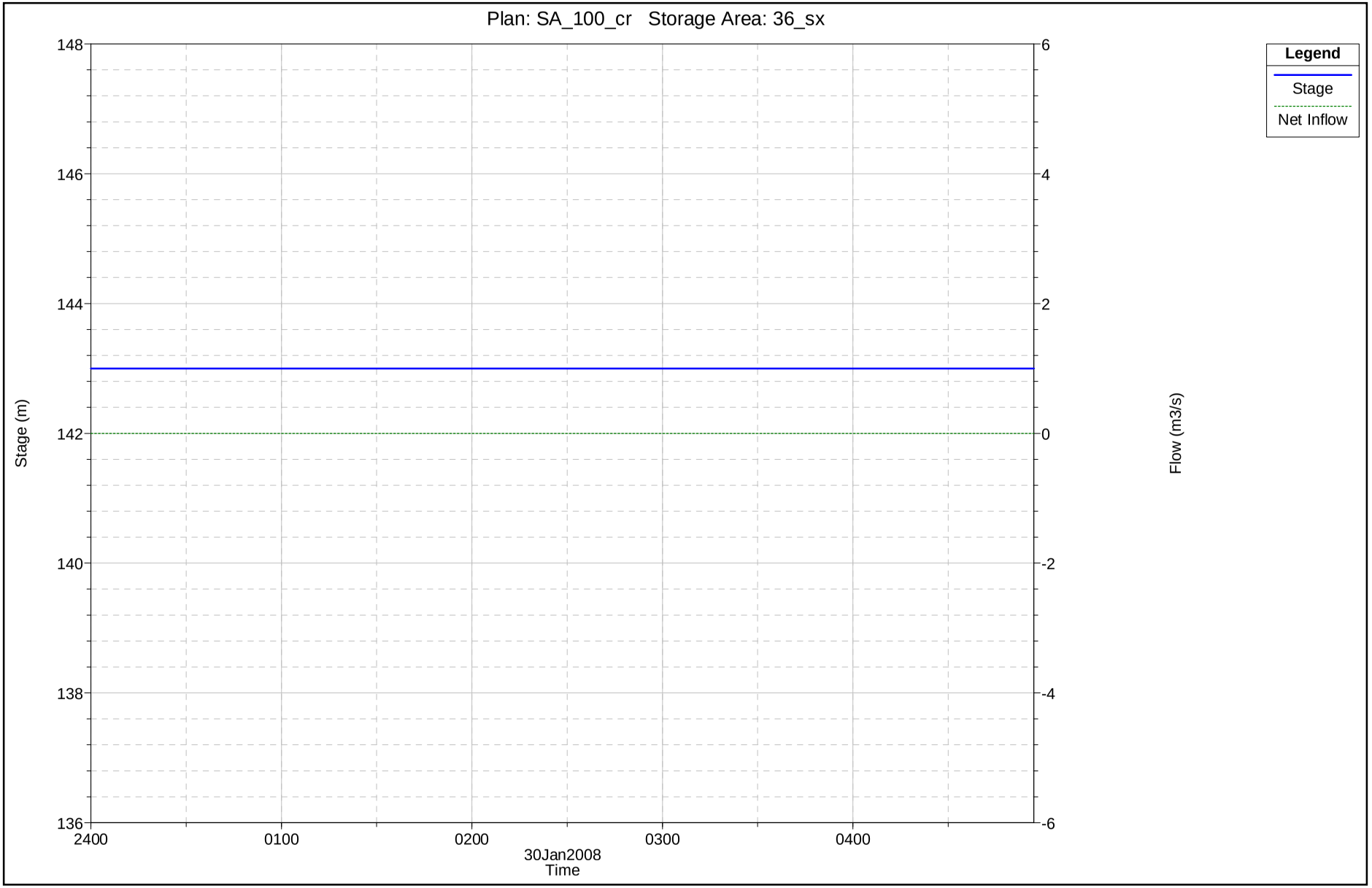

Plan: SA_30_cr Storage Area: 36_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

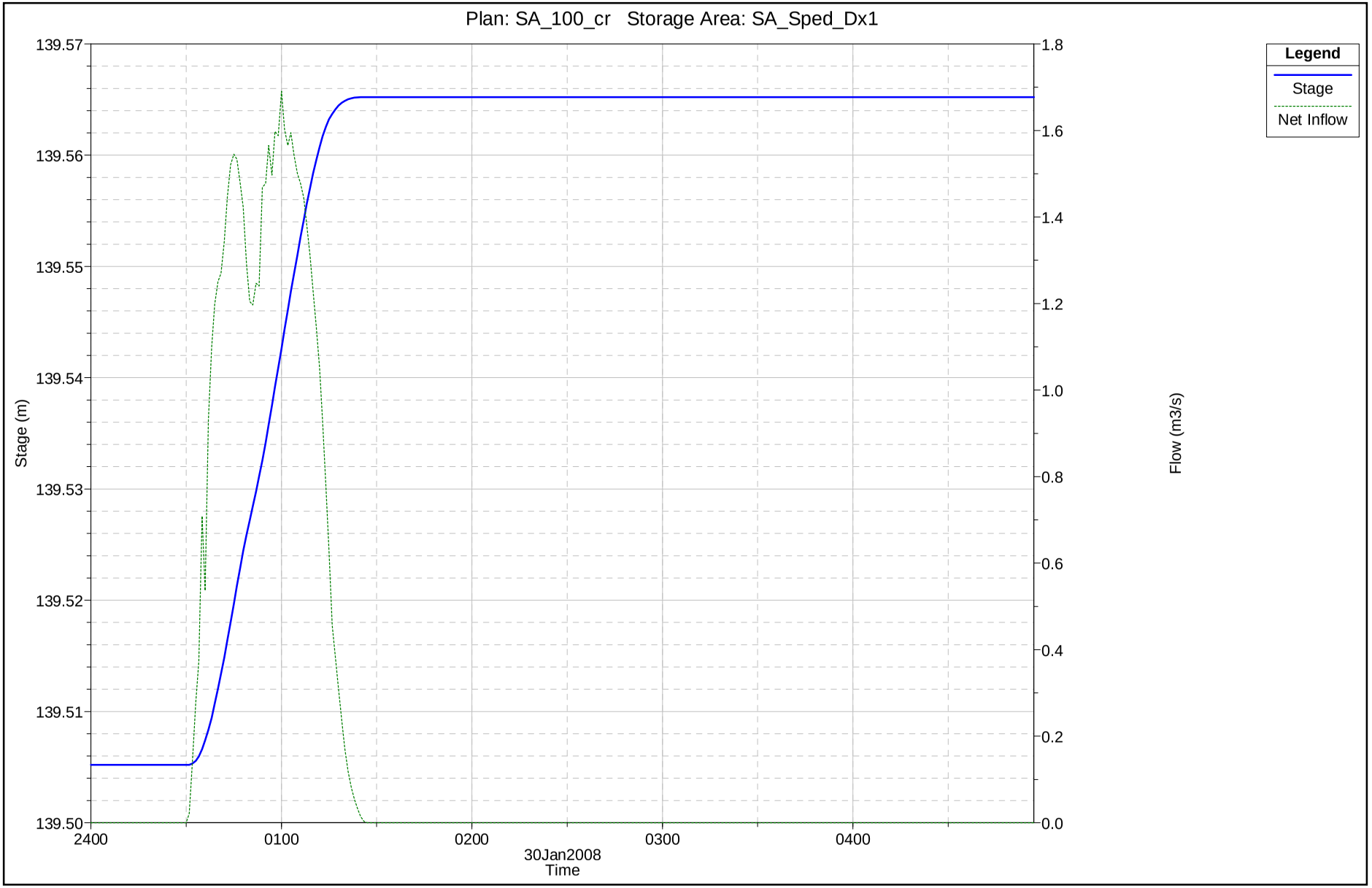

Plan: SA_30_cr Storage Area: SA_Sped_Dx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.56
139.55
139.54
139.53
139.52
139.51
139.50
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2400
0100
0200
0300
0400
30Jan2008
Time

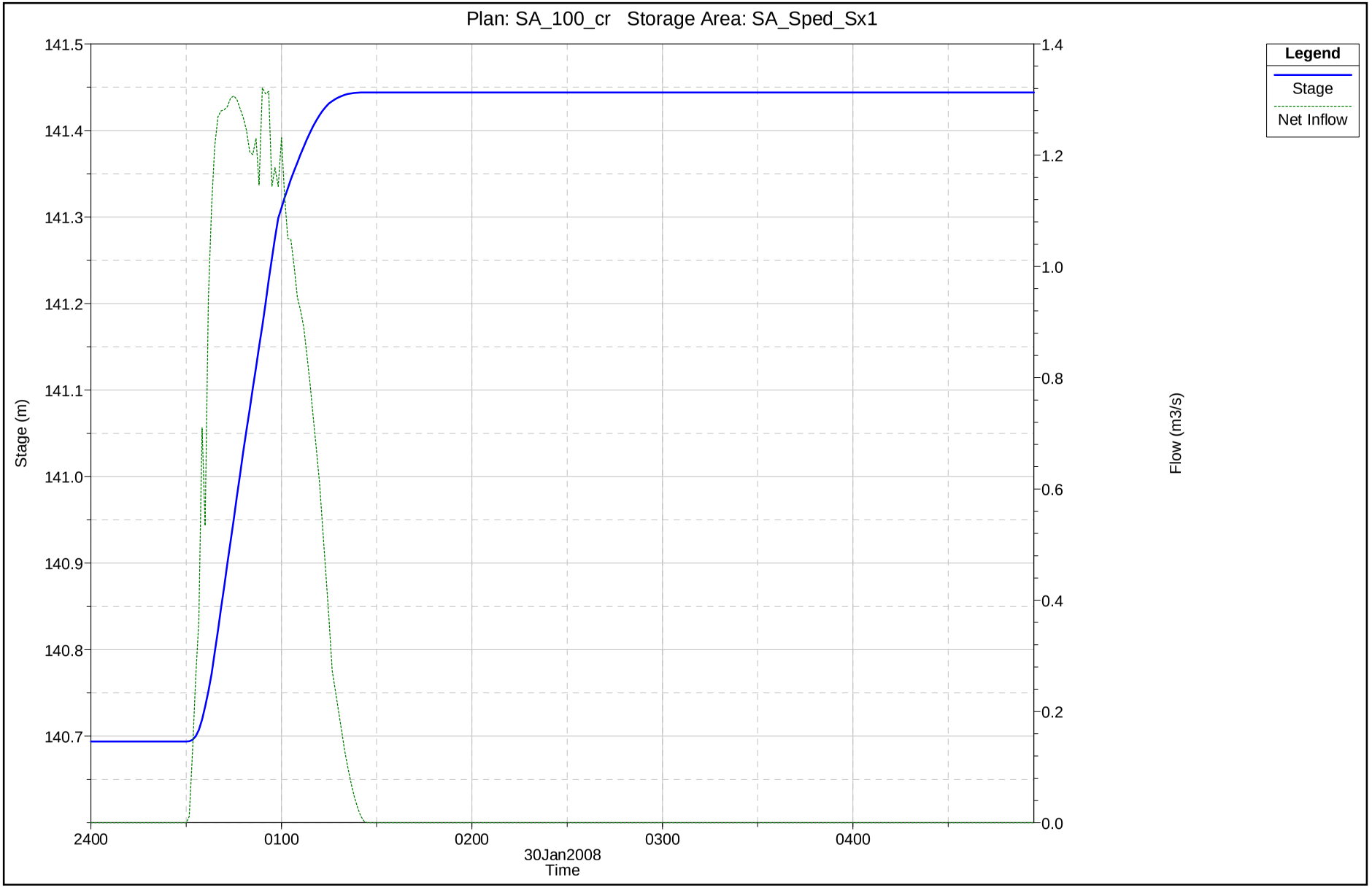

Plan: SA_30_cr Storage Area: SA_Sped_Sx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
141.4
141.3
141.2
141.1
141.0
140.9
140.8
140.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
2400
0100
0200
0300
0400
30Jan2008
Time

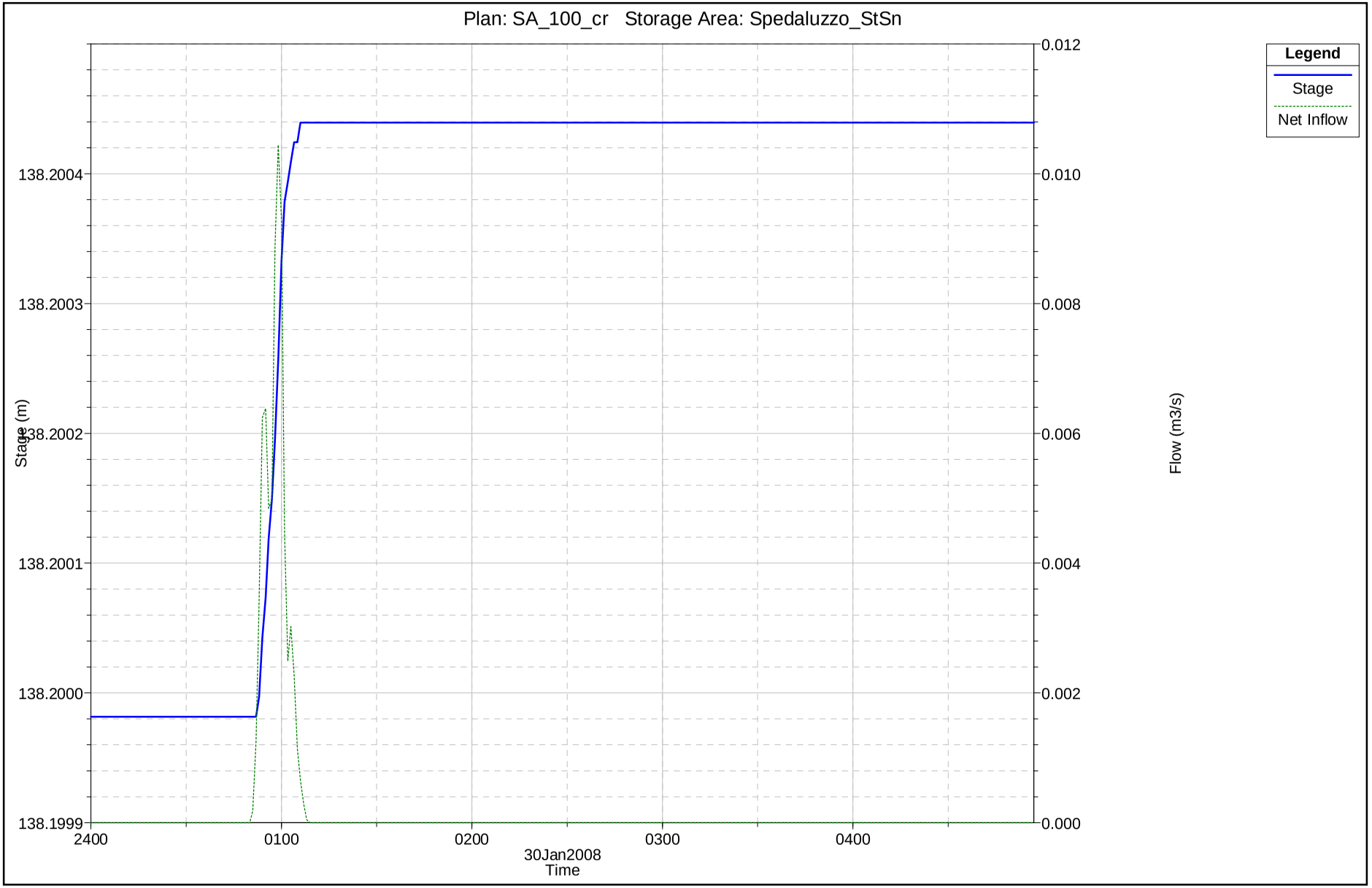

Plan: SA_30_cr Storage Area: Spedaluzzo_StSn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144
142
140
138
136
134
132
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

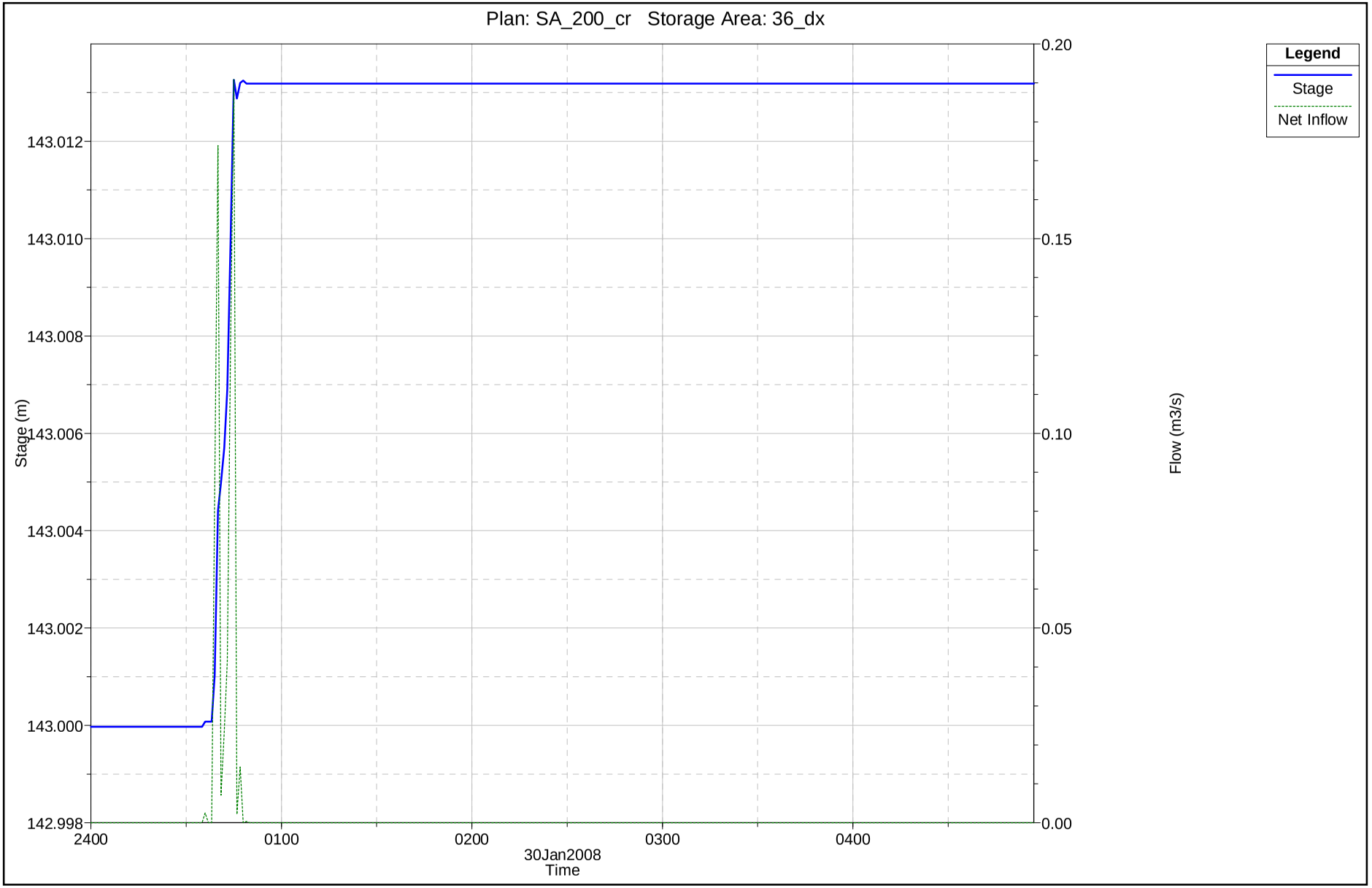

Plan: SA_100_cr Storage Area: 36_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

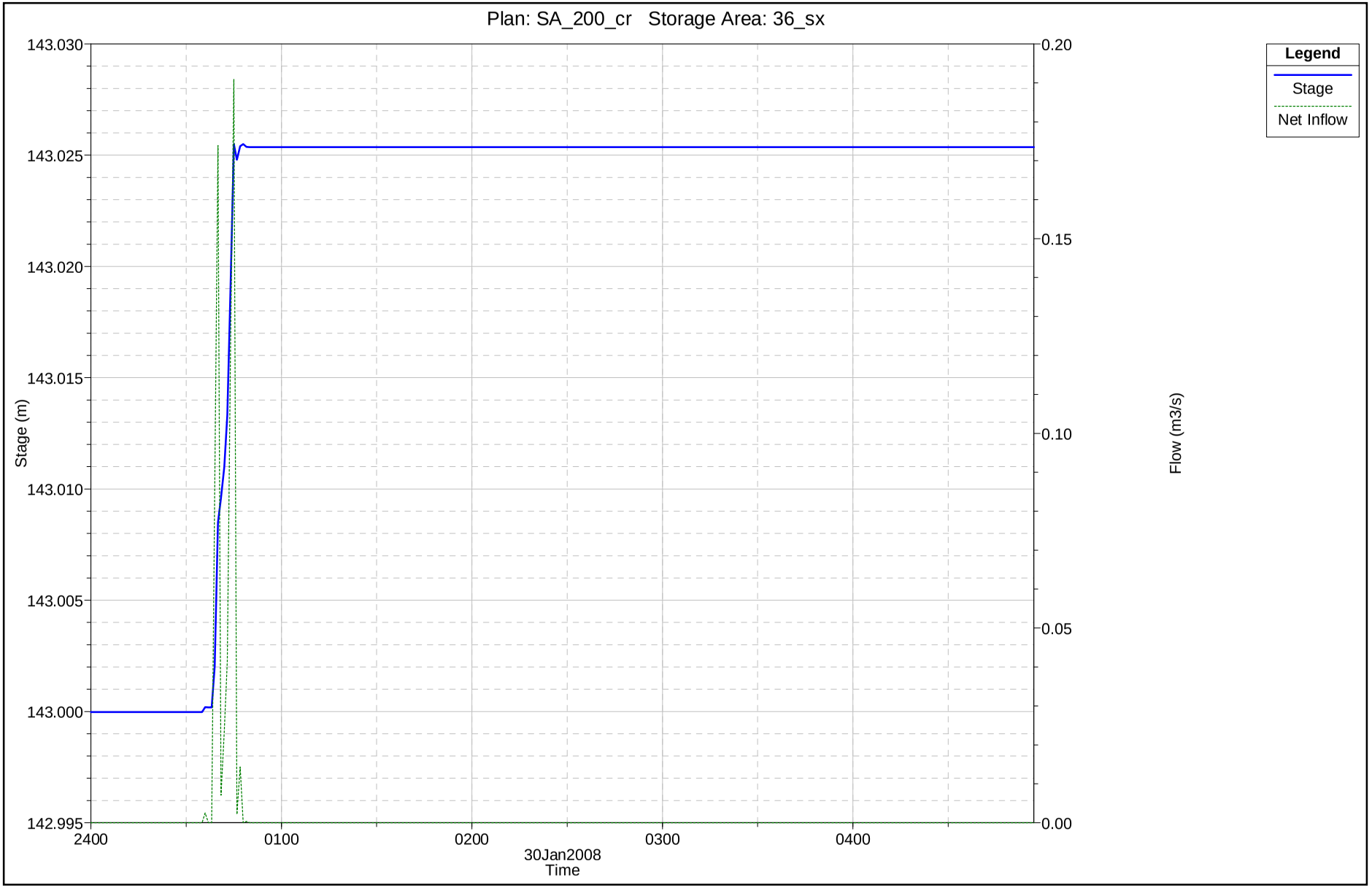

Plan: SA_100_cr Storage Area: 36_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
148
146
144
142
140
138
136
6
4
2
0
-2
-4
-6
2400
0100
0200
0300
0400
30Jan2008
Time

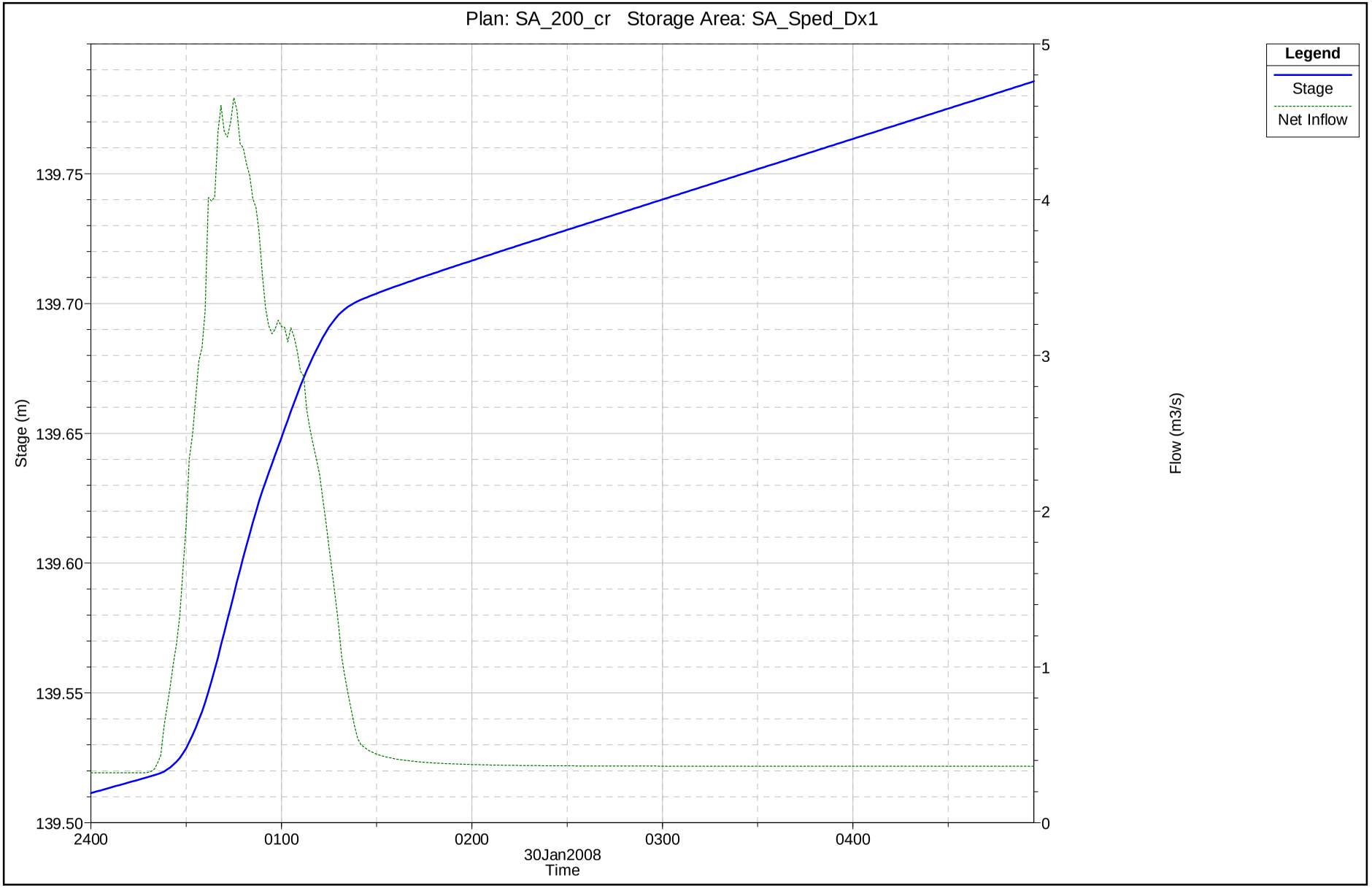

Plan: SA_100_cr Storage Area: SA_Sped_Dx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.57
139.56
139.55
139.54
139.53
139.52
139.51
139.50
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2400
0100
0200
0300
0400
30Jan2008
Time

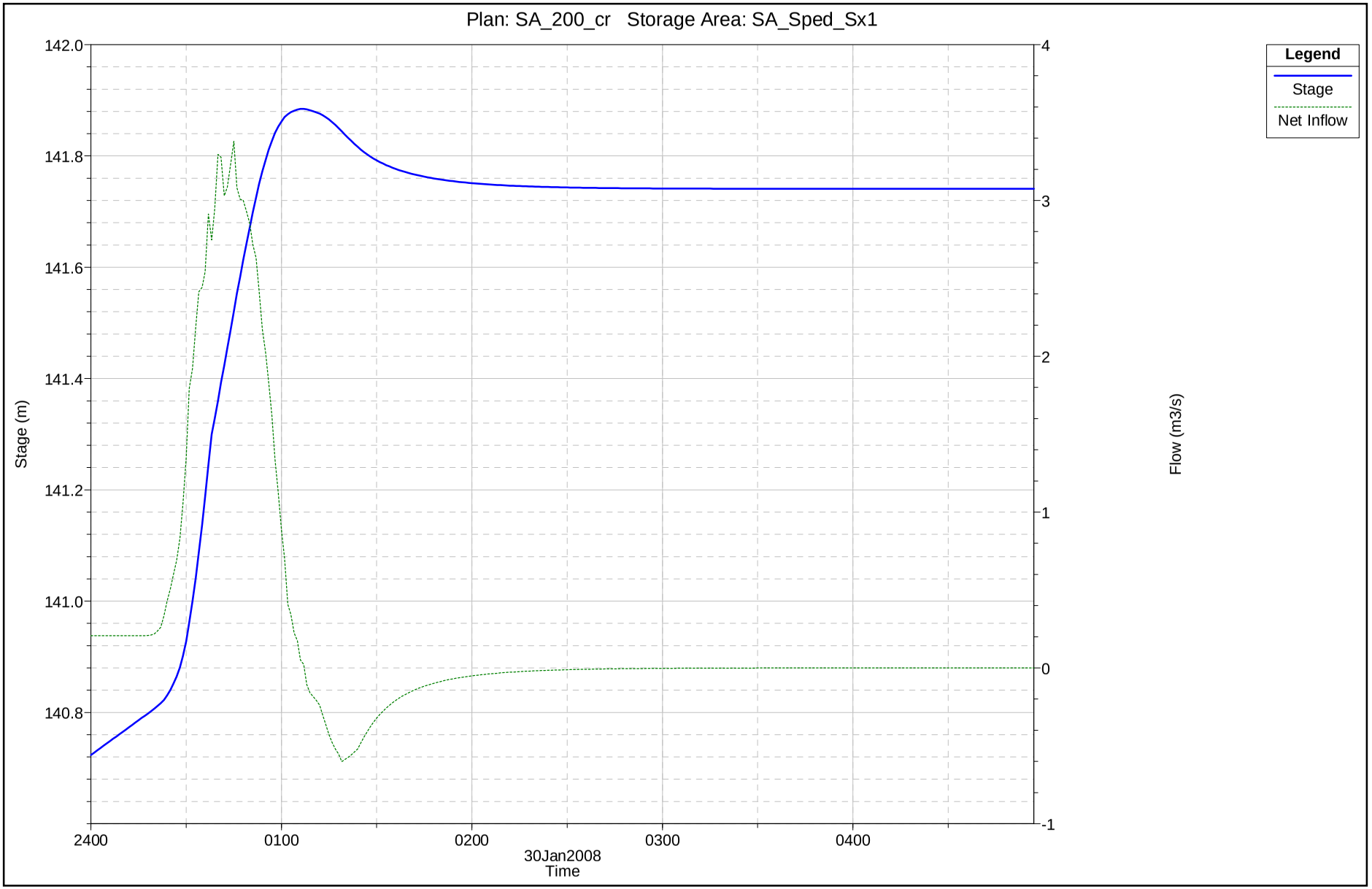

Plan: SA_100_cr Storage Area: SA_Sped_Sx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
141.5
141.4
141.3
141.2
141.1
141.0
140.9
140.8
140.7
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2400
0100
0200
0300
0400
30Jan2008
Time

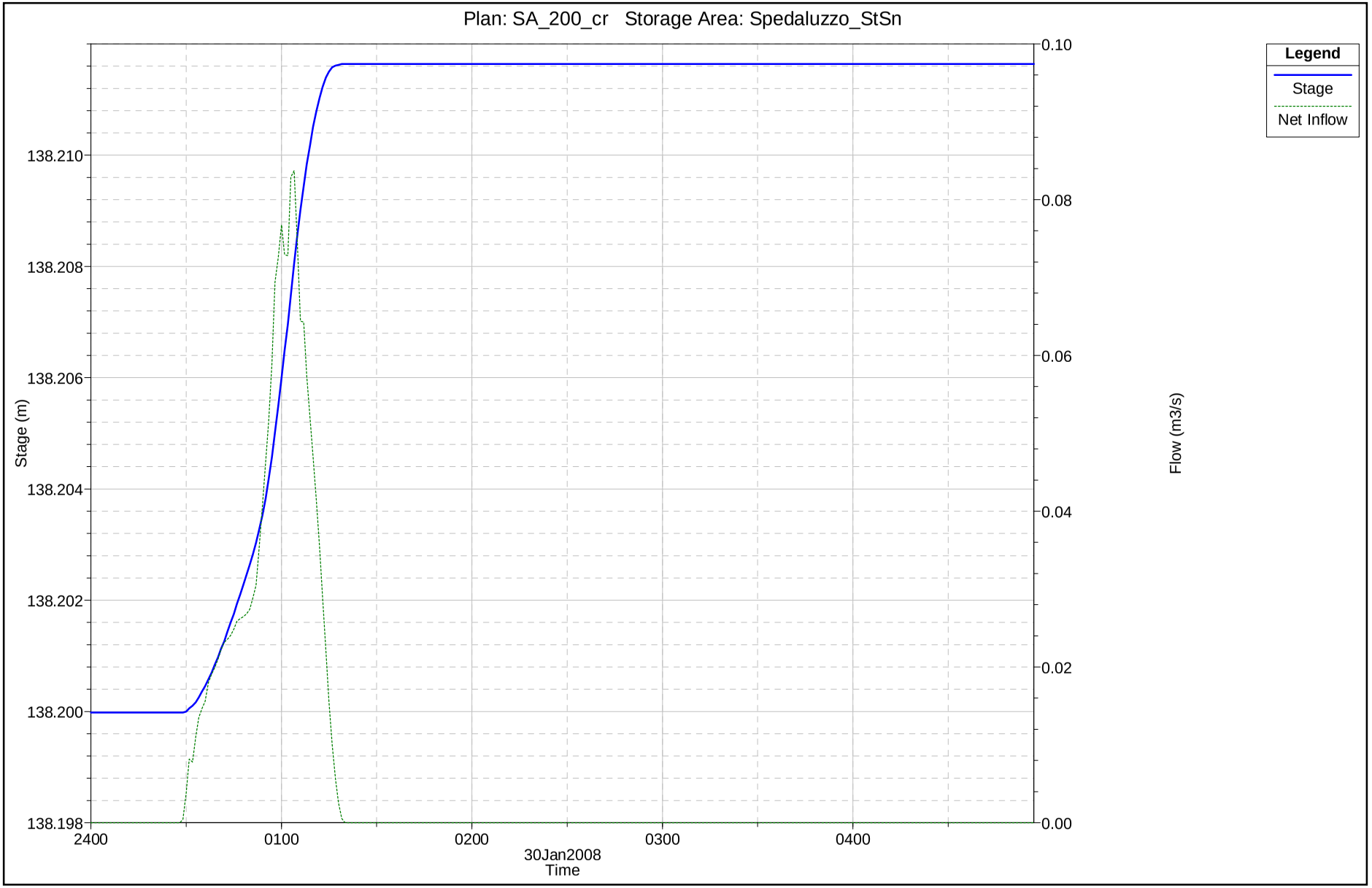

Plan: SA_100_cr Storage Area: Spedaluzzo_StSn
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
138.2004
138.2003
138.2002
138.2001
138.2000
138.1999
0.012
0.010
0.008
0.006
0.004
0.002
0.000
2400
0100
0200
0300
0400
30Jan2008
Time

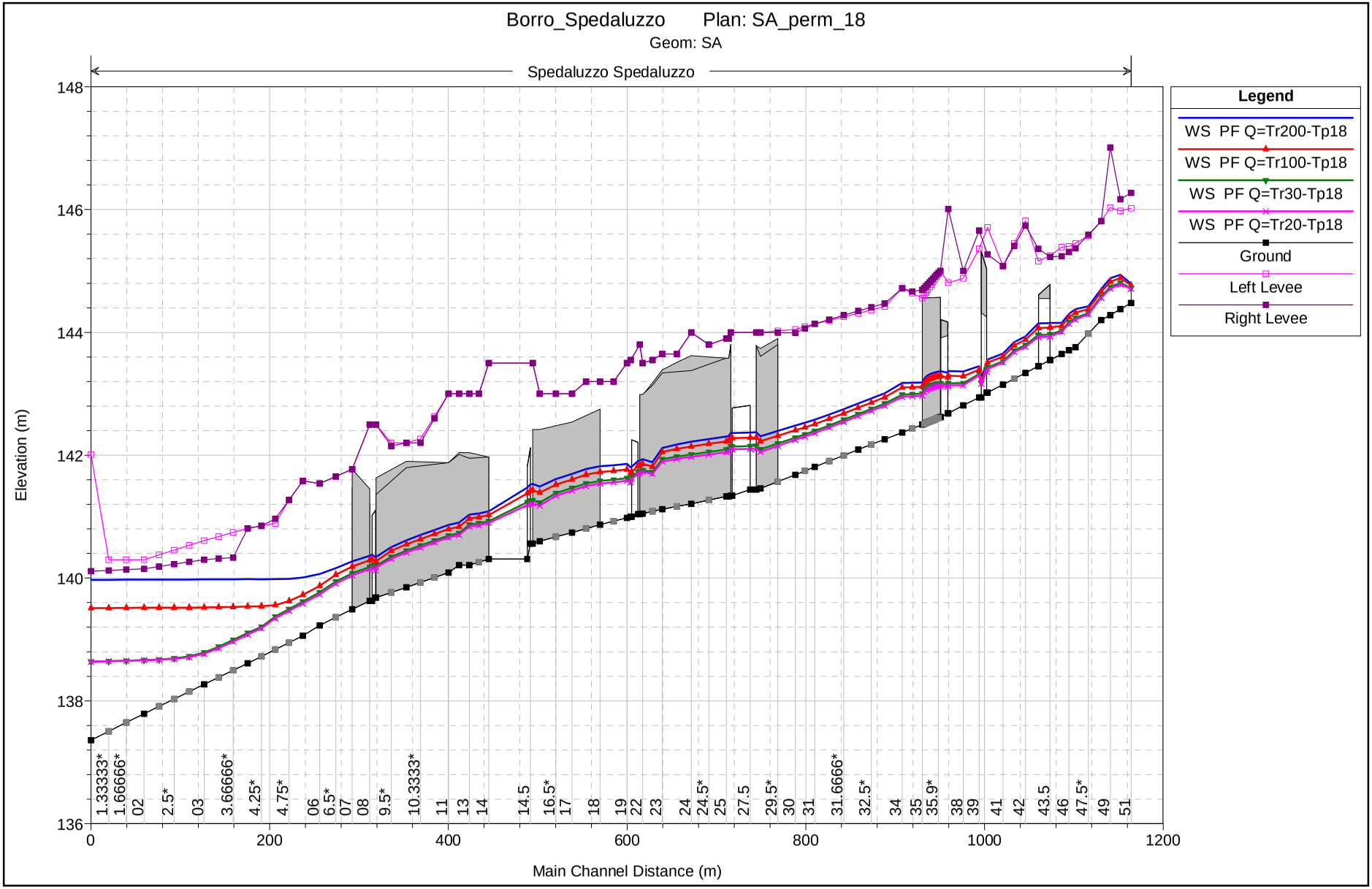

Plan: SA_200_cr Storage Area: 36_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
143.012
143.010
143.008
143.006
143.004
143.002
143.000
142.998
0.20
0.15
0.10
0.05
0.00
2400
0100
0200
0300
0400
30Jan2008
Time

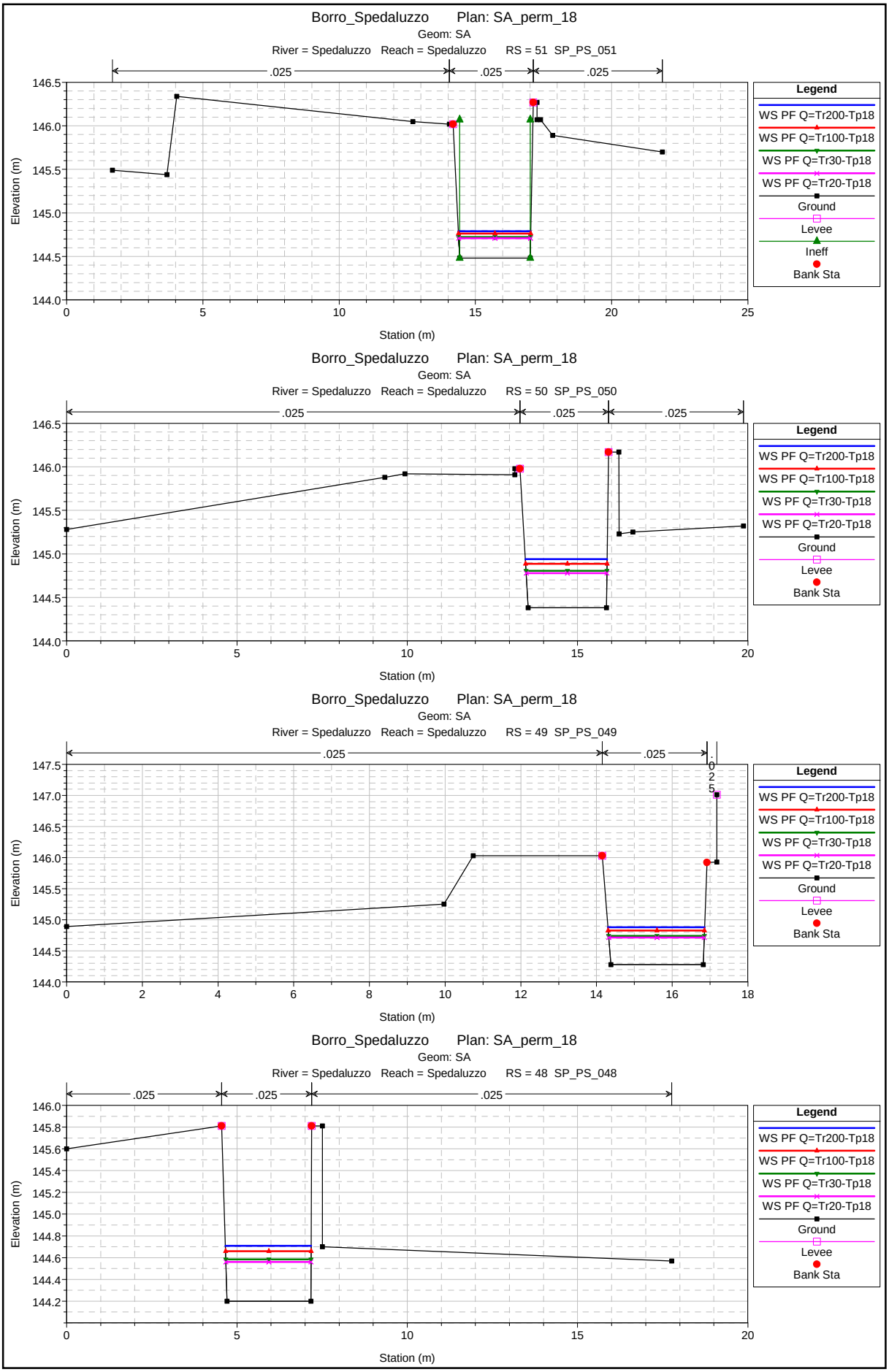

Plan: SA_200_cr Storage Area: 36_sx
Legend
Stage
Net Inflow
143.030
143.025
143.020
143.015
143.010
143.005
143.000
142.995
Stage (m)
0.20
0.15
0.10
0.05
0.00
Flow (m3/s)
2400
0100
0200
0300
0400
30Jan2008
Time

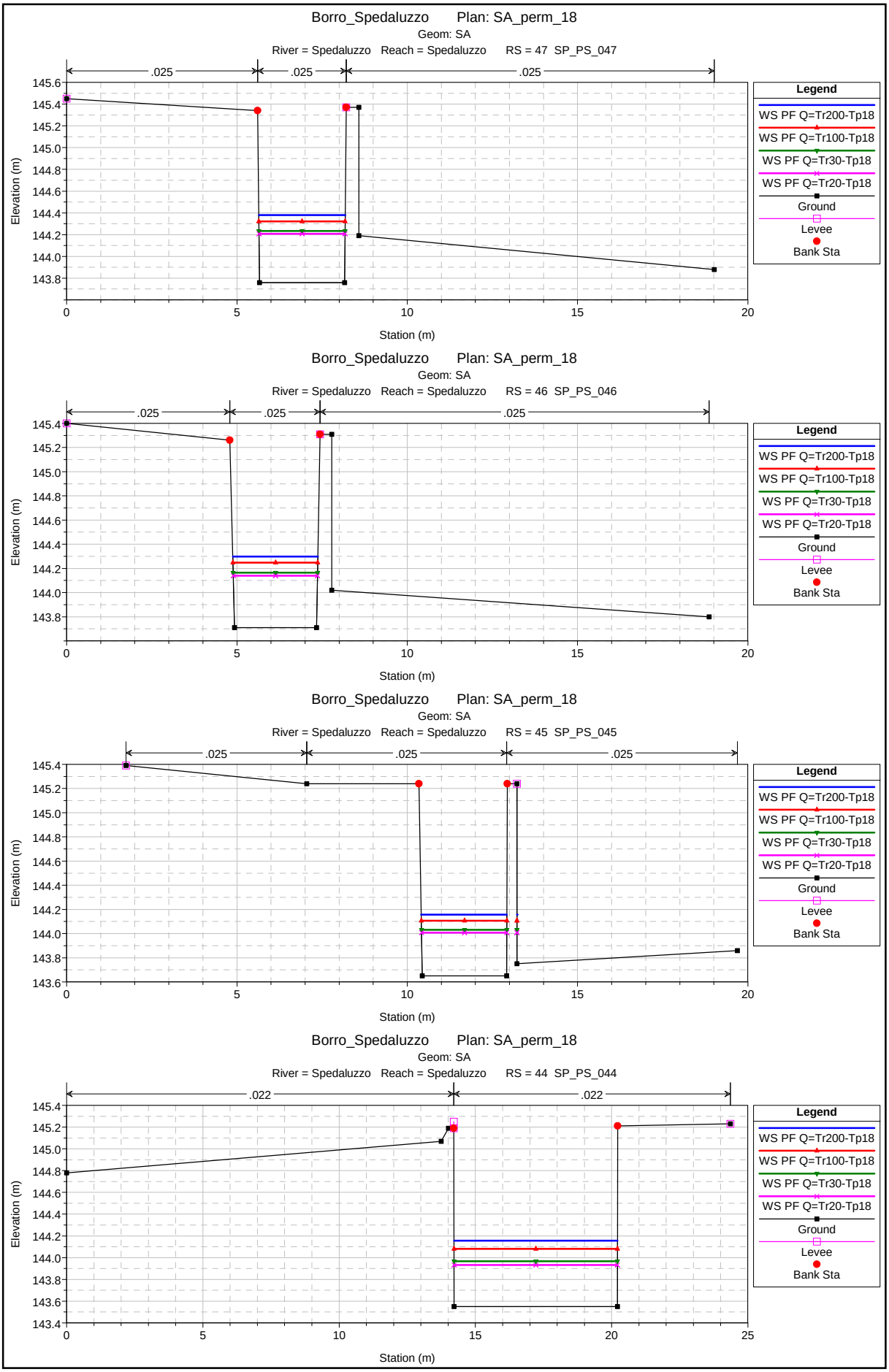

Plan: SA_200_cr Storage Area: SA_Sped_Dx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.75
139.70
139.65
139.60
139.55
139.50
5
4
3
2
1
0
2400
0100
0200
0300
0400
30Jan2008
Time

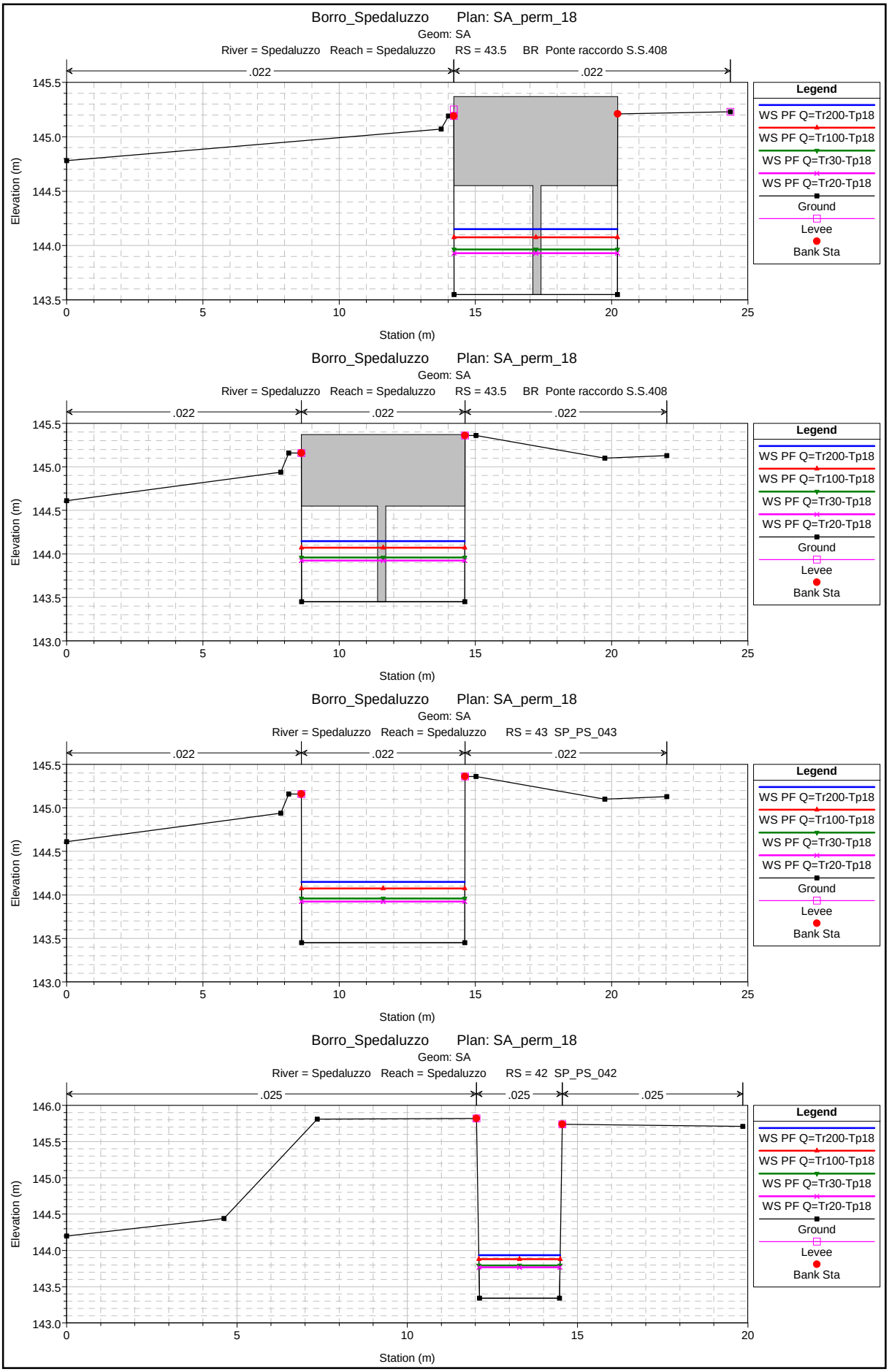

Plan: SA_200_cr Storage Area: SA_Sped_Sx1
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
142.0
141.8
141.6
141.4
141.2
141.0
140.8
4
3
2
1
0
-1
2400
0100
0200
0300
0400
30Jan2008
Time

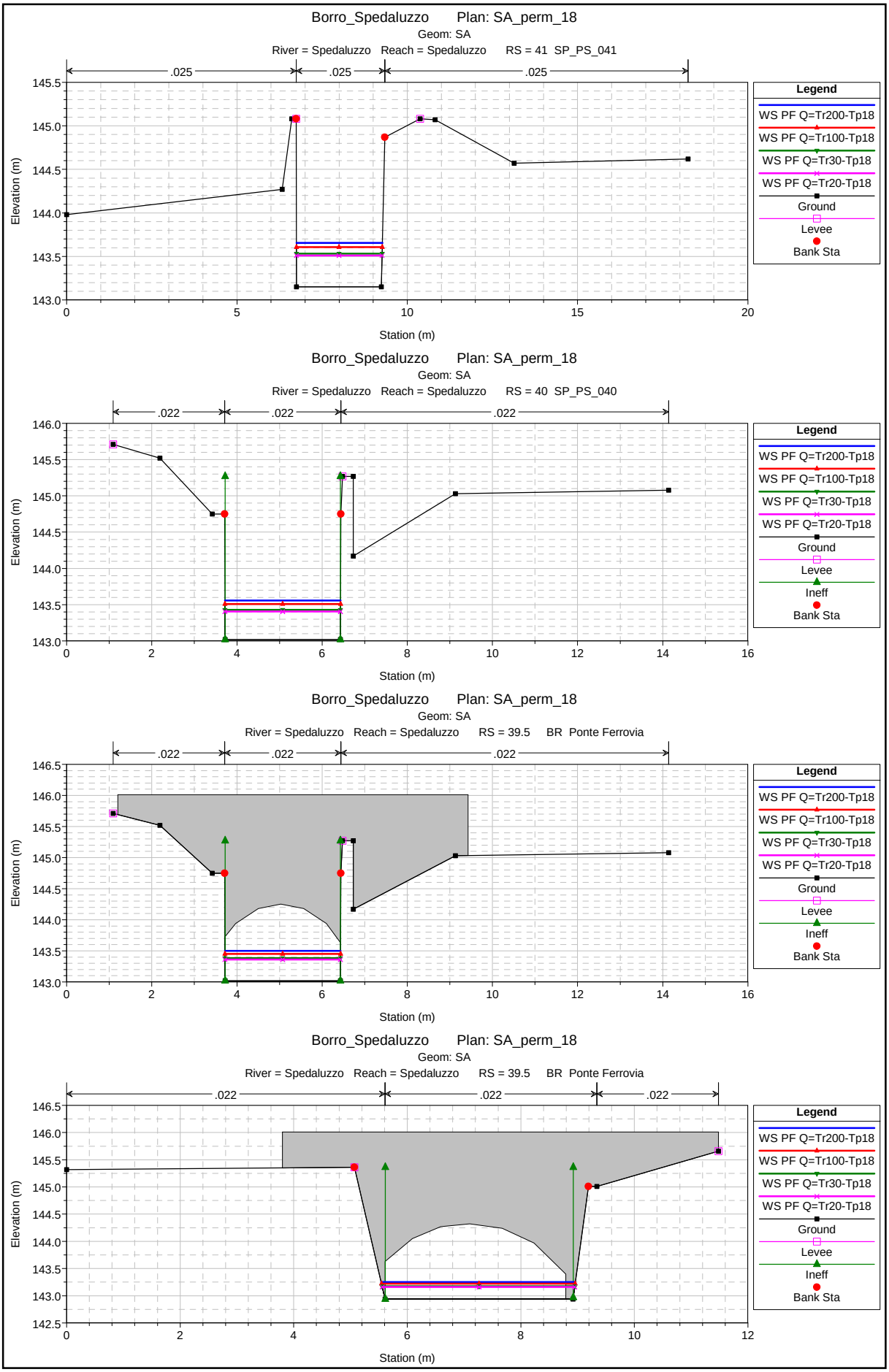

Plan: SA_200_cr Storage Area: Spedaluzzo_StSn
Legend
Stage
Net Inflow
Stage (m)
138.210
138.208
138.206
138.204
138.202
138.200
138.198
Flow (m3/s)
0.10
0.08
0.06
0.04
0.02
0.00
2400
0100
0200
0300
0400
30Jan2008
Time


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
Spedaluzzo Spedaluzzo
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Left Levee
Right Levee
Elevation (m)
Main Channel Distance (m)
148
146
144
142
140
138
136
0
200
400
600
800
1000
1200
1.33333*
1.66666*
02
2.5*
03
3.66666*
4.25*
4.75*
06
6.5*
07
08
9.5*
10.3333*
11
13
14
14.5
16.5*
17
18
19
22
23
24
24.5*
25
27.5
29.5*
30
31
31.6666*
32.5*
34
35
35.9*
38
39
41
42
43.5
46
47.5*
49
51


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 51 SP_PS_051
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 50 SP_PS_050
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 49 SP_PS_049
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 48 SP_PS_048
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 47 SP_PS_047
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 46 SP_PS_046
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 45 SP_PS_045
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 44 SP_PS_044
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta

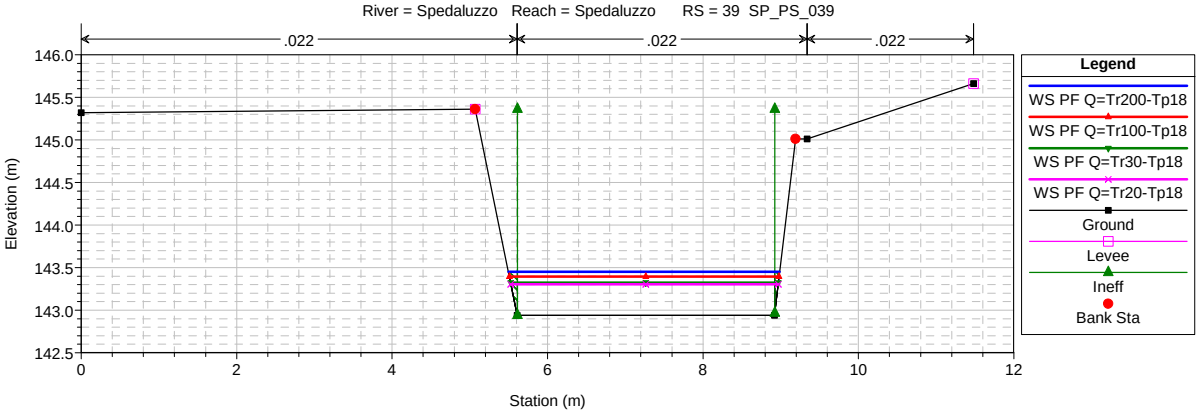

Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 43.5 BR Ponte raccordo S.S.408
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 43 SP_PS_043
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 42 SP_PS_042
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 41 SP_PS_041
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 40 SP_PS_040
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Ineff
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 39.5 BR Ponte Ferrovia
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Ineff
Bank Sta

Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

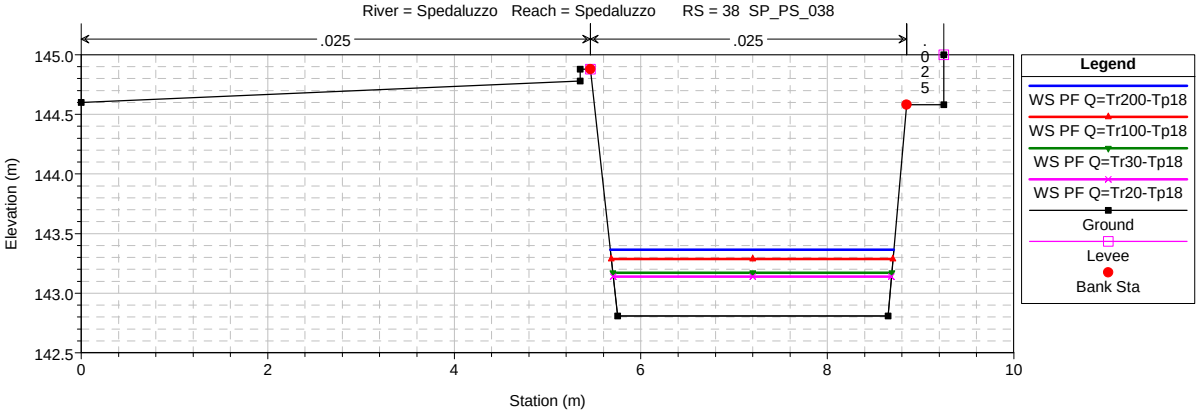
River = Spedaluzzo Reach = Spedaluzzo RS = 39 SP_PS_039



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

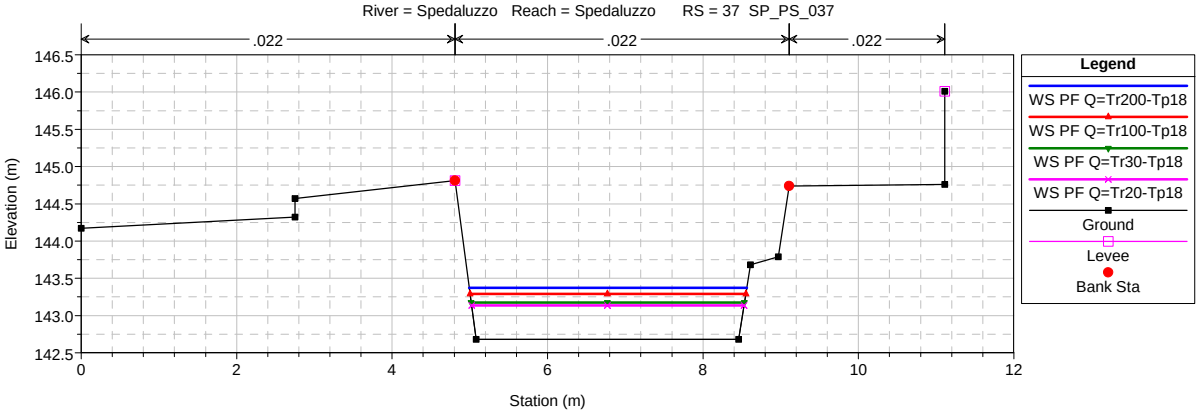
River = Spedaluzzo Reach = Spedaluzzo RS = 38 SP_PS_038



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

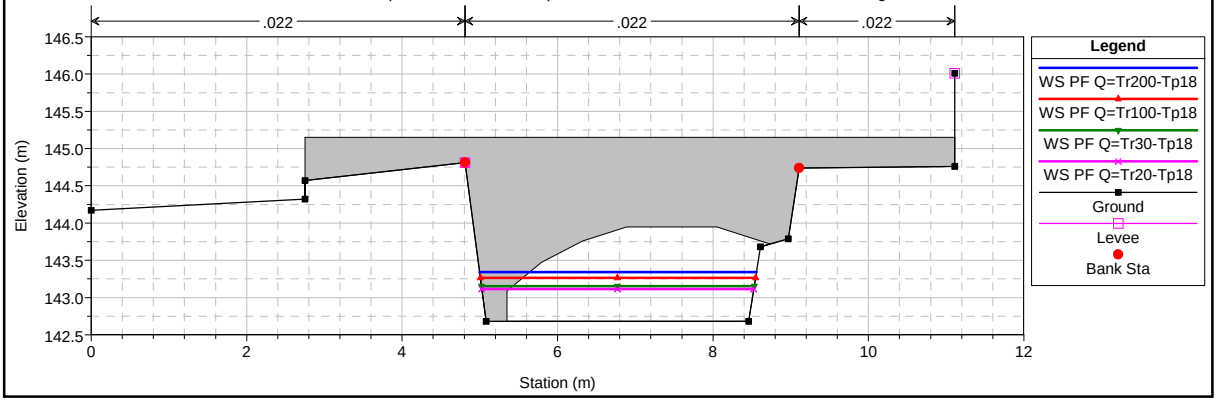
River = Spedaluzzo Reach = Spedaluzzo RS = 37 SP_PS_037

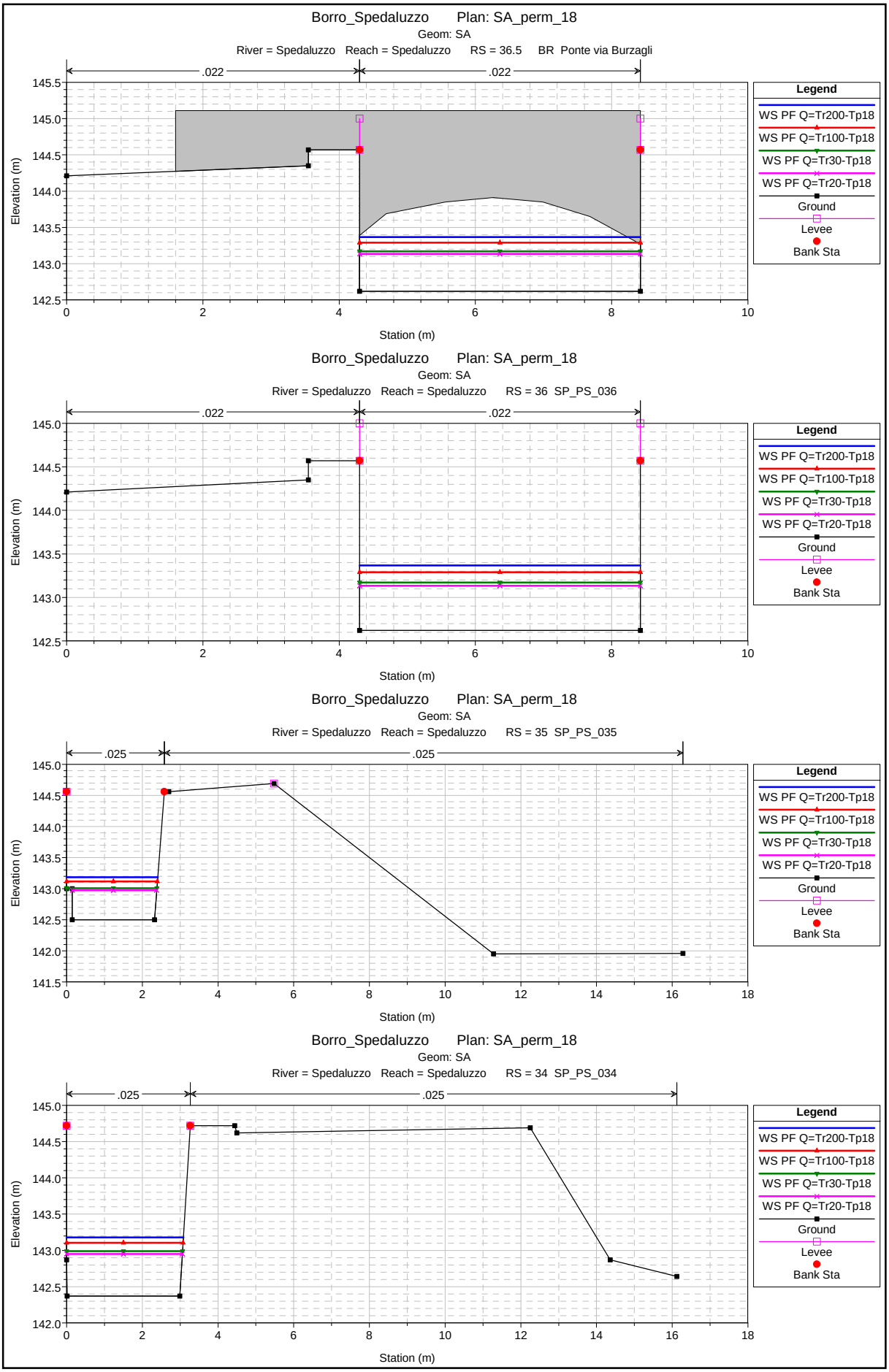


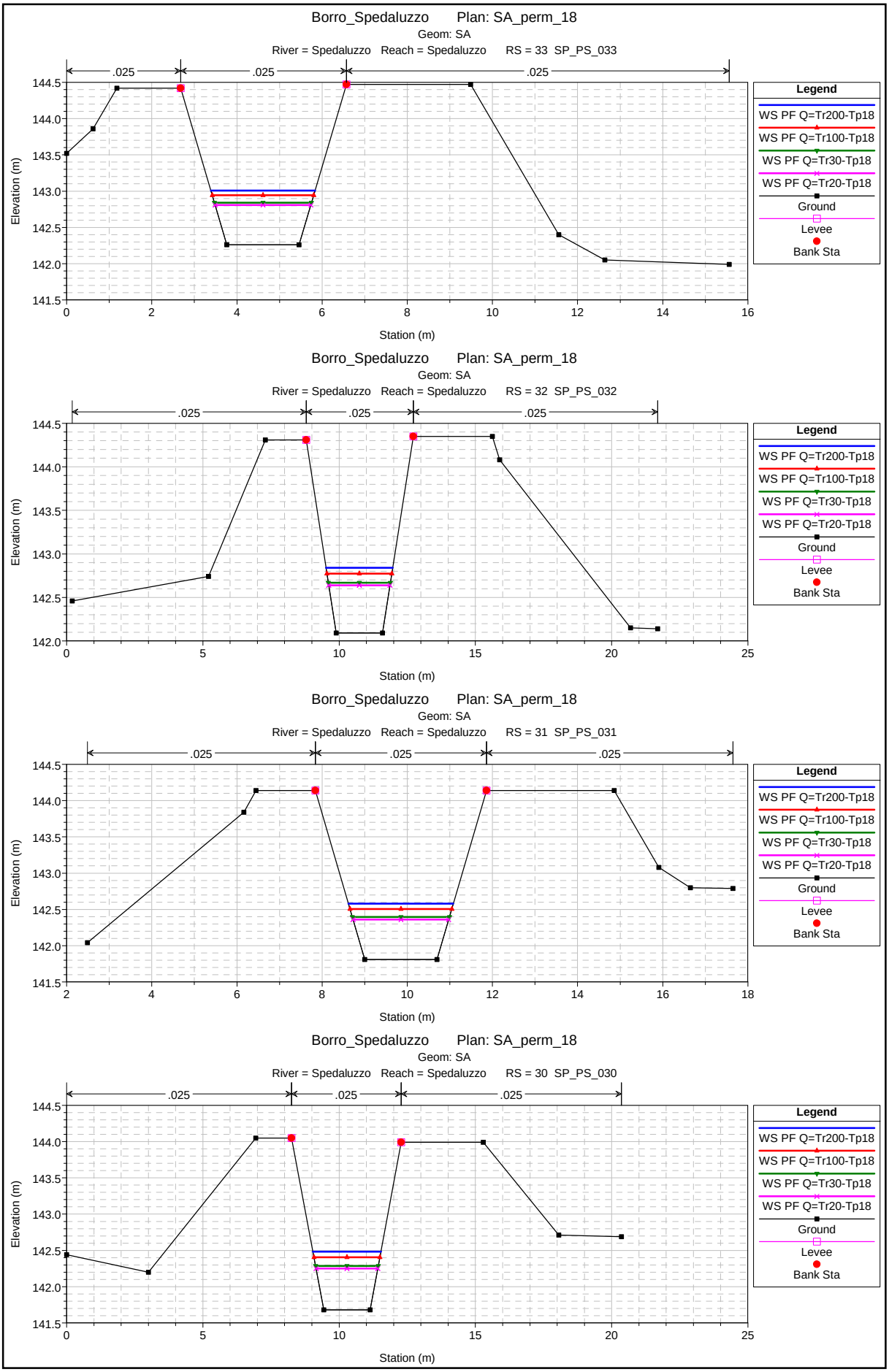
Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli



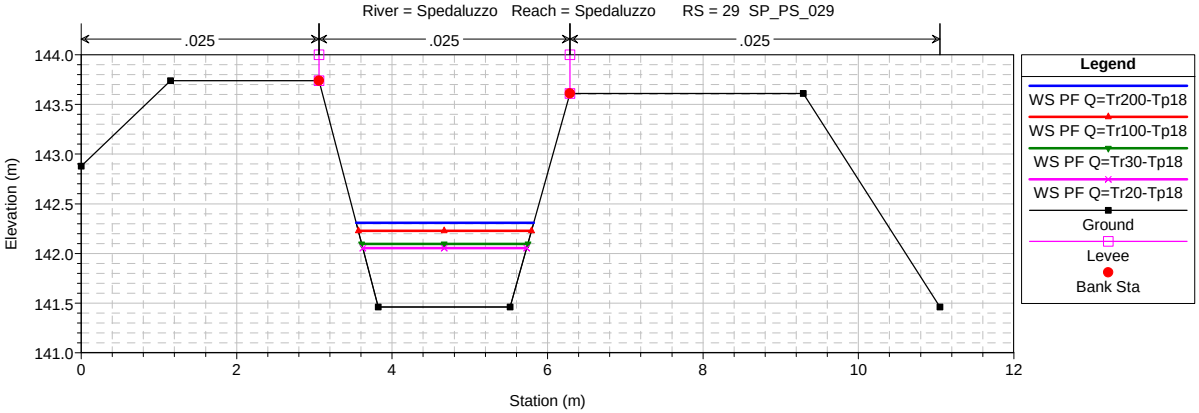

Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 36.5 BR Ponte via Burzagli
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 36 SP_PS_036
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 35 SP_PS_035
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 34 SP_PS_034
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 33 SP_PS_033
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 32 SP_PS_032
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 31 SP_PS_031
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 30 SP_PS_030
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta

Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

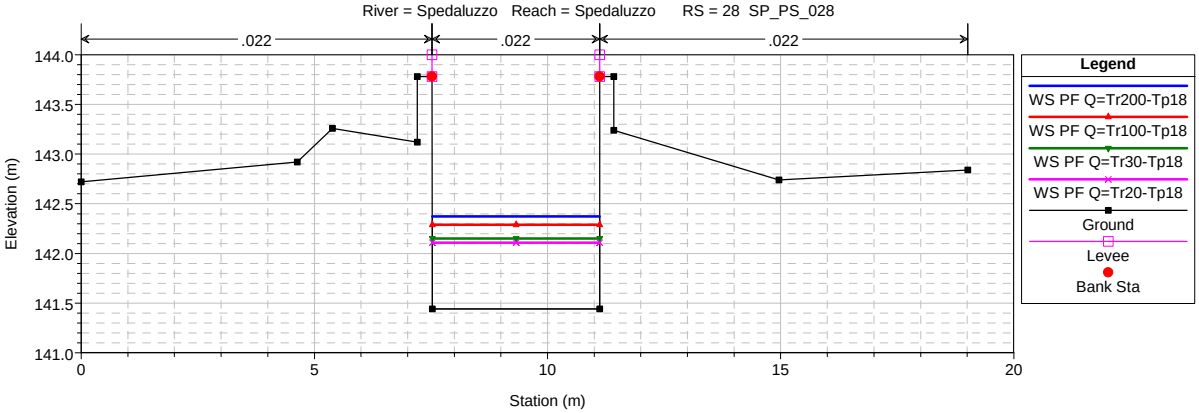
River = Spedaluzzo Reach = Spedaluzzo RS = 29 SP_PS_029



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

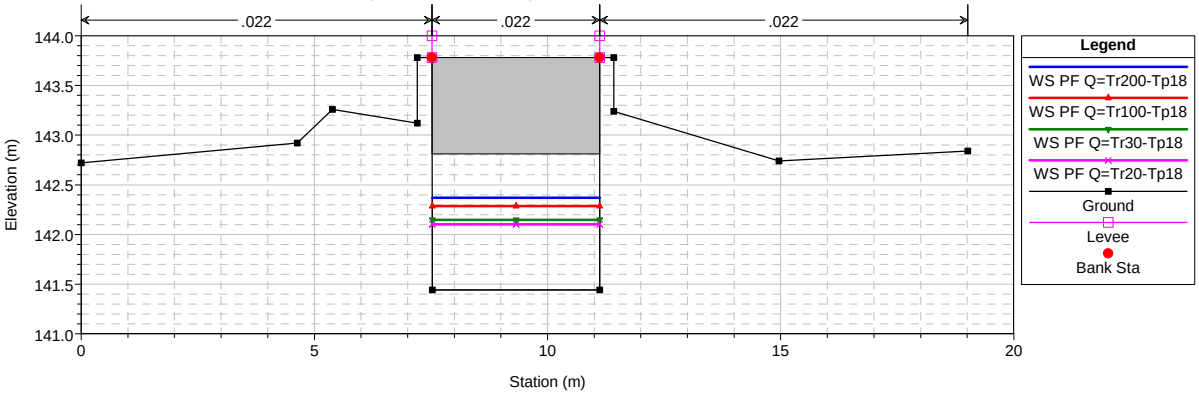
River = Spedaluzzo Reach = Spedaluzzo RS = 28 SP_PS_028



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

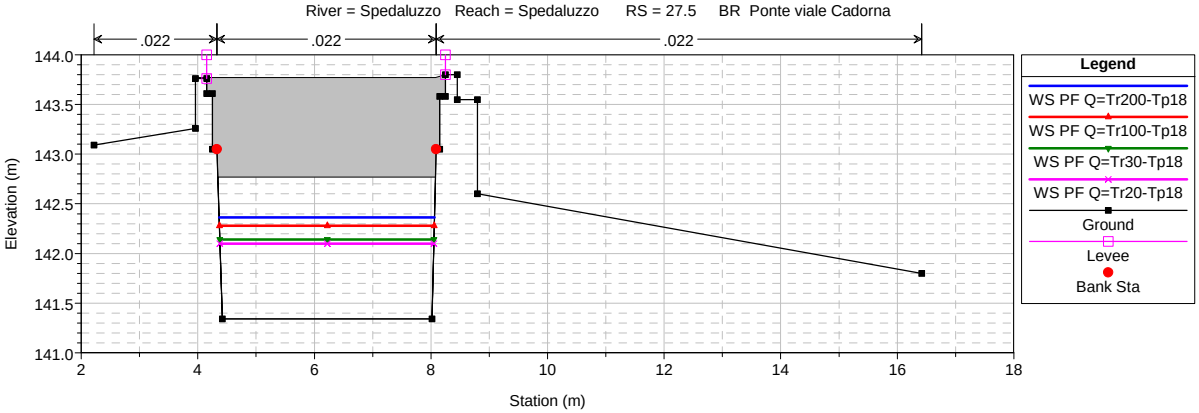
River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna

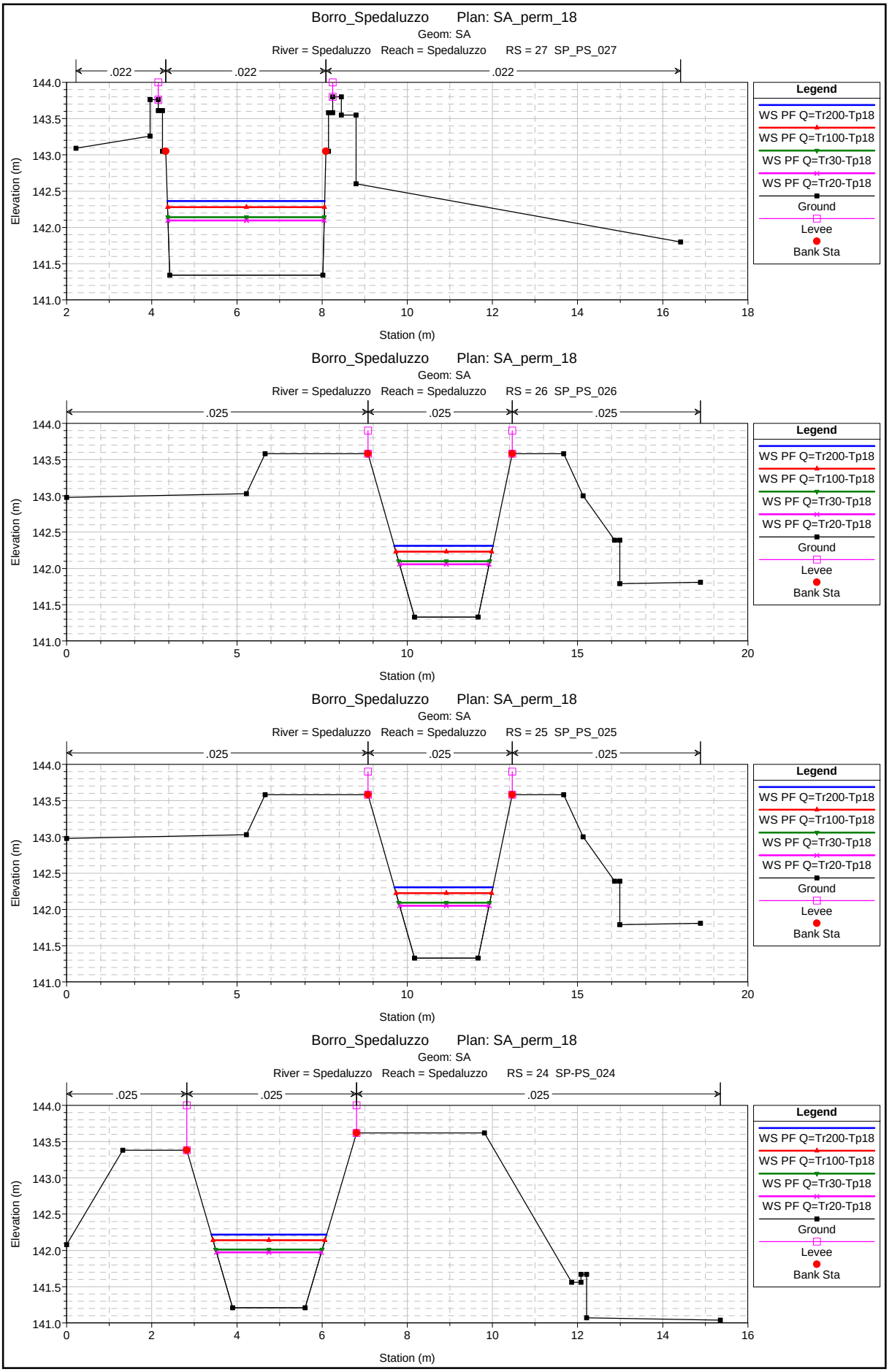


Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

River = Spedaluzzo Reach = Spedaluzzo RS = 27.5 BR Ponte viale Cadorna

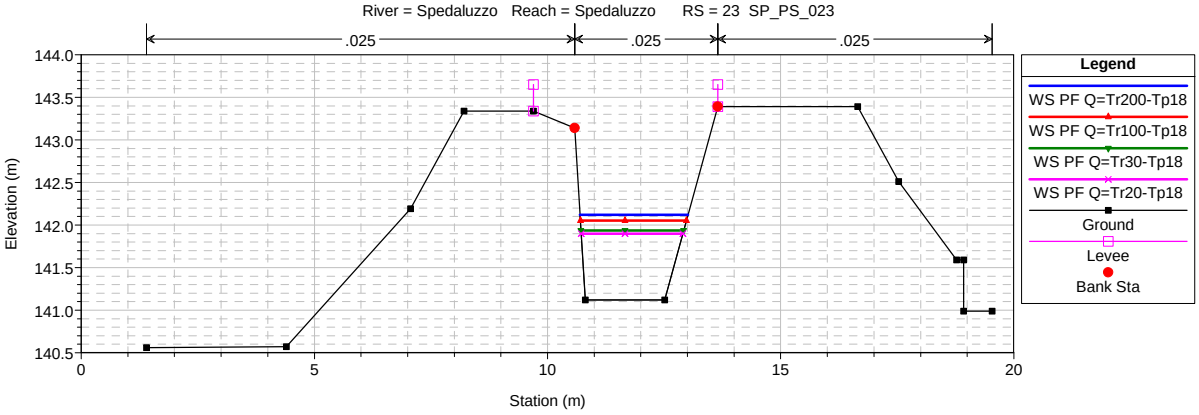



Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 27 SP_PS_027
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 26 SP_PS_026
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 25 SP_PS_025
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 24 SP-PS_024
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta

Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

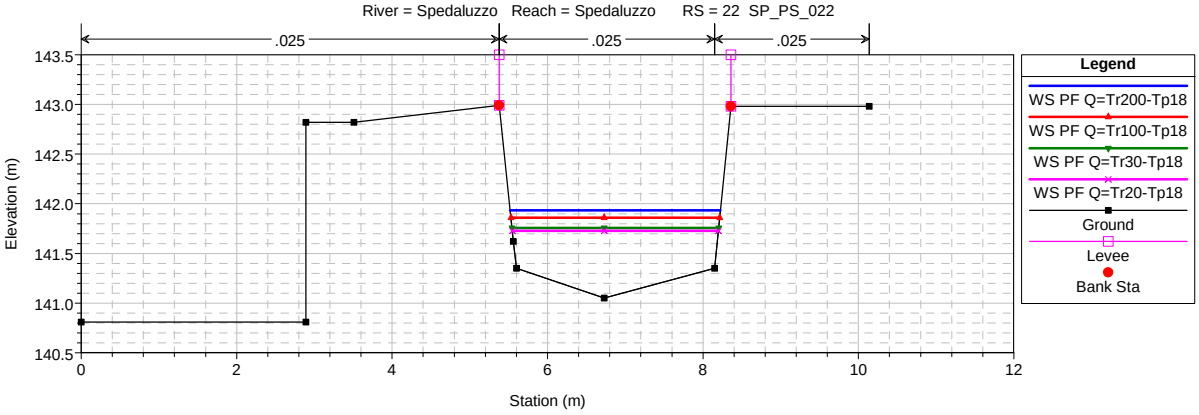
River = Spedaluzzo Reach = Spedaluzzo RS = 23 SP_PS_023



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

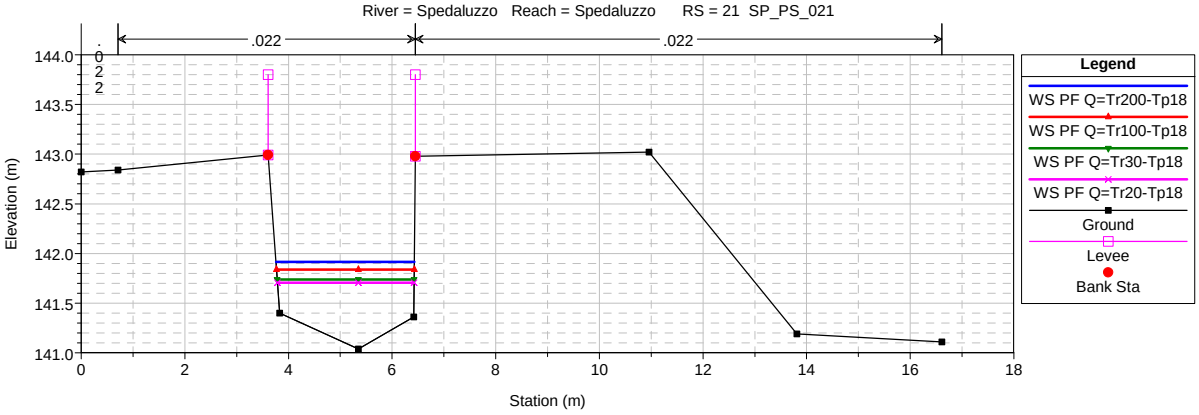
River = Spedaluzzo Reach = Spedaluzzo RS = 22 SP_PS_022



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

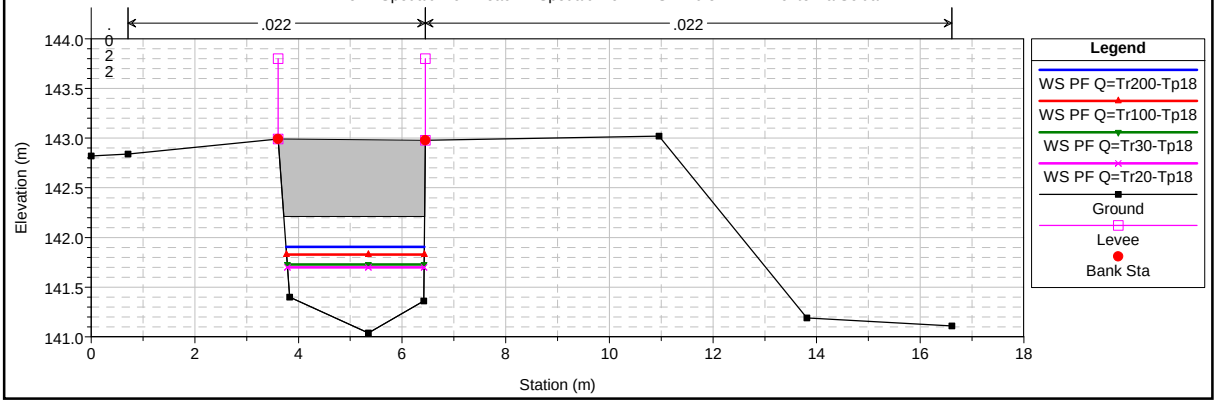
River = Spedaluzzo Reach = Spedaluzzo RS = 21 SP_PS_021



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

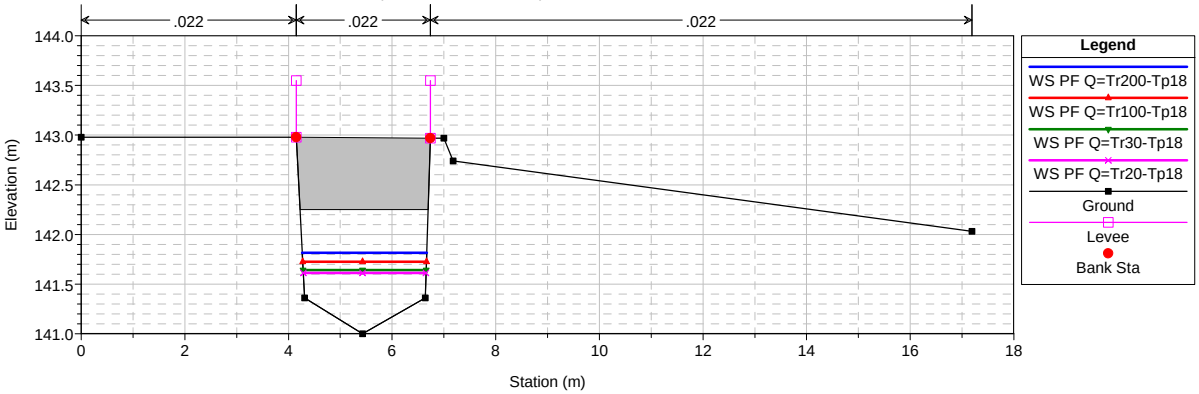
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

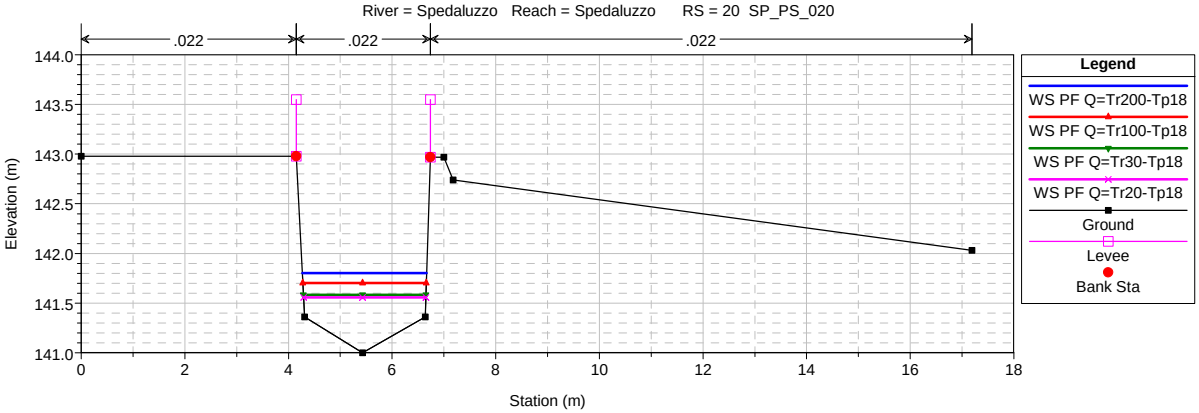
River = Spedaluzzo Reach = Spedaluzzo RS = 20.5 BR Ponte via Soldani



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

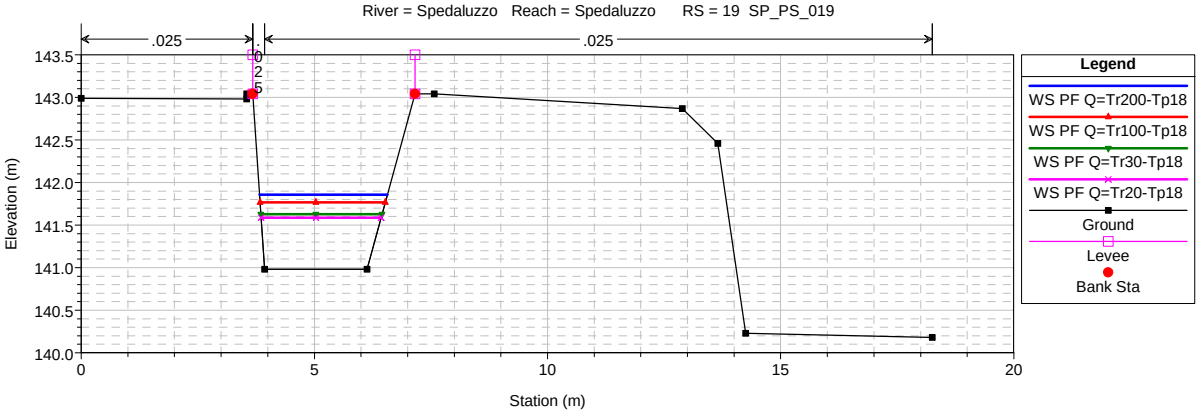
River = Spedaluzzo Reach = Spedaluzzo RS = 20 SP_PS_020



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

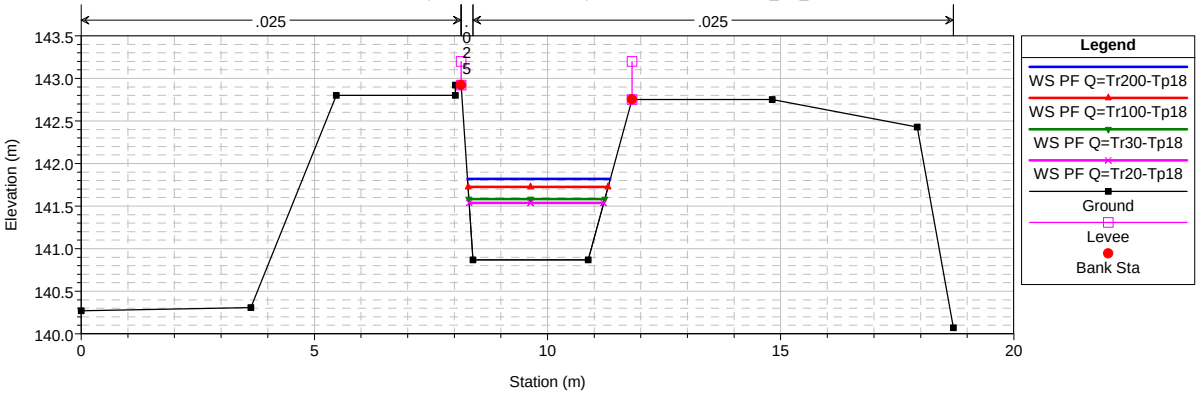
River = Spedaluzzo Reach = Spedaluzzo RS = 19 SP_PS_019

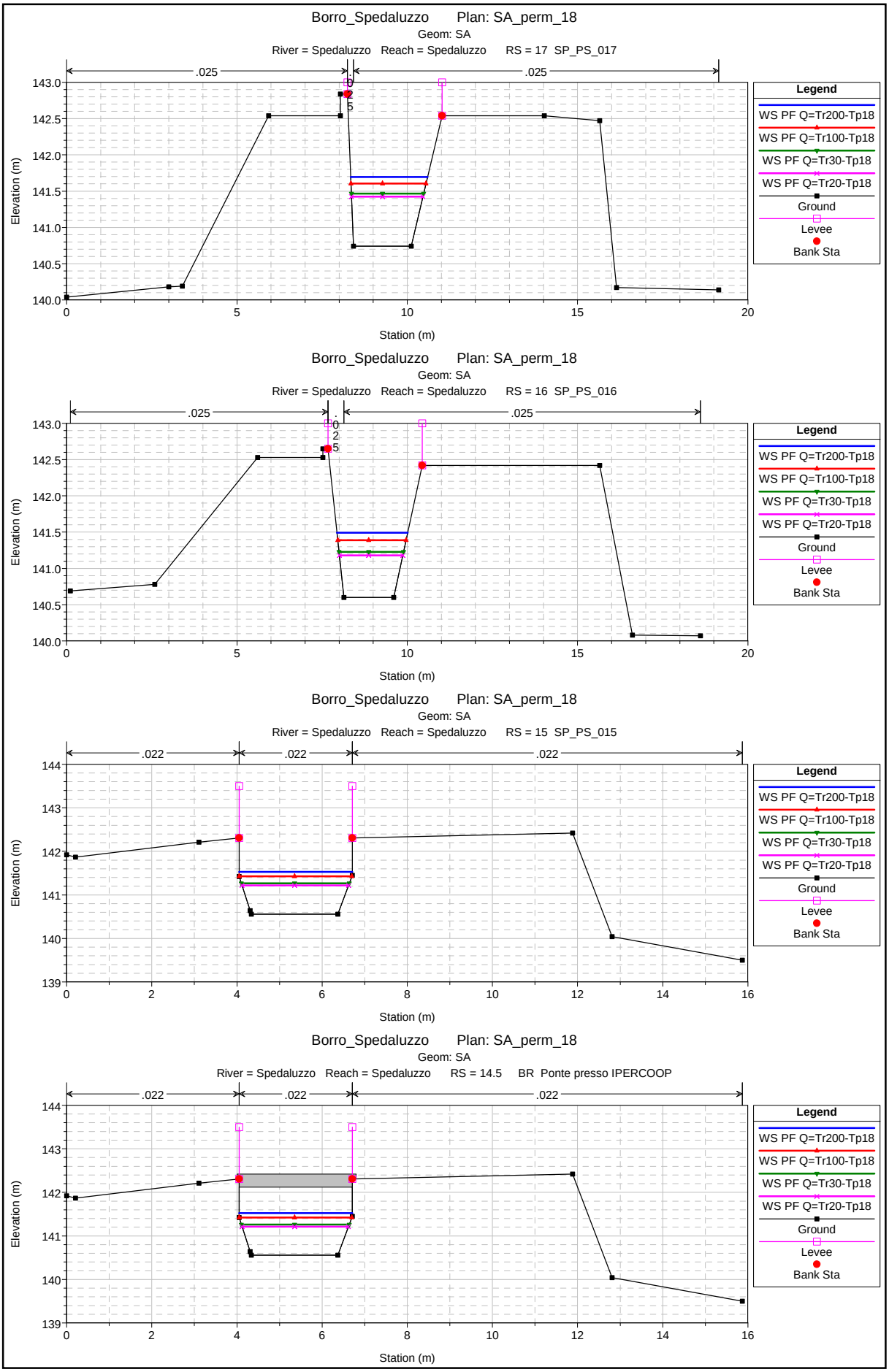


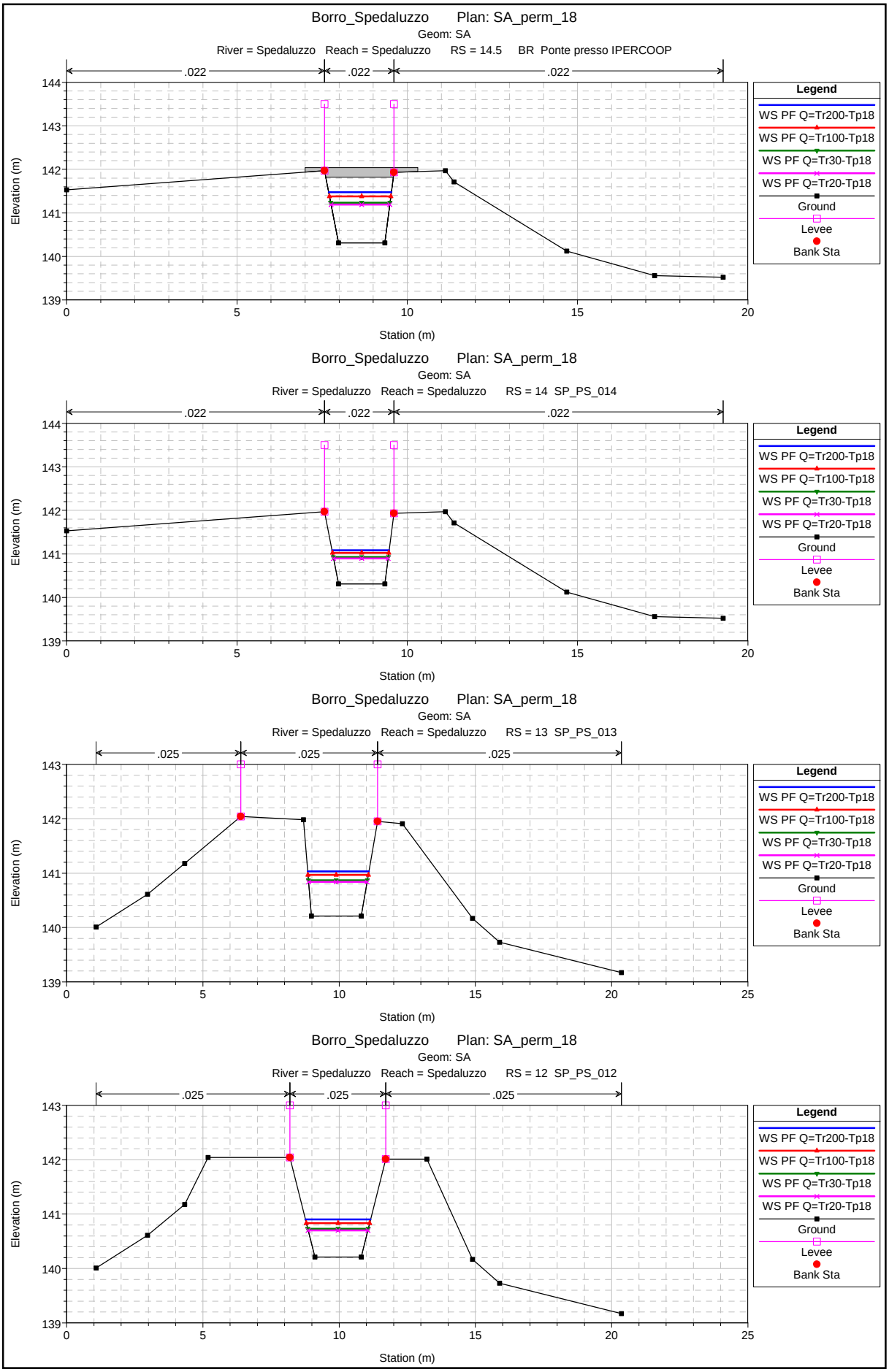
Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

River = Spedaluzzo Reach = Spedaluzzo RS = 18 SP_PS_018



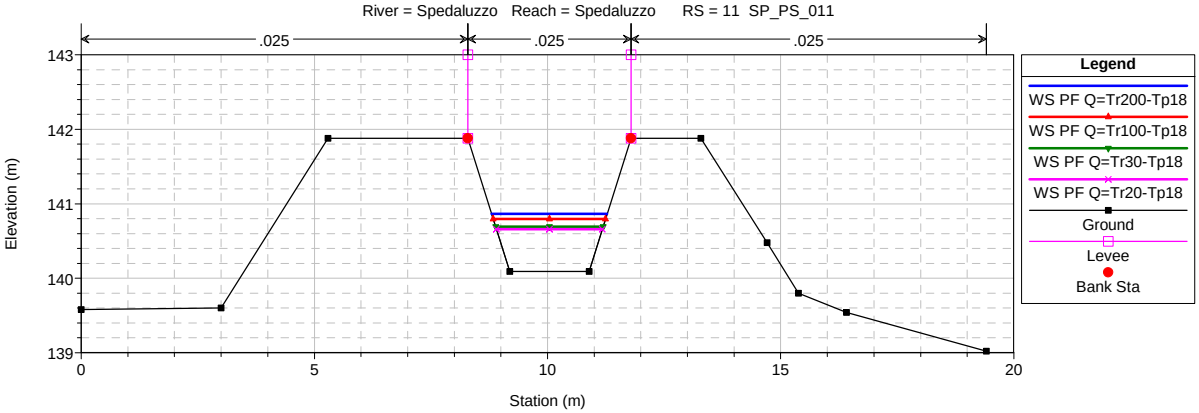

Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 17 SP_PS_017
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 16 SP_PS_016
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 15 SP_PS_015
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 14.5 BR Ponte presso IPERCOOP
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 14.5 BR Ponte presso IPERCOOP
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 14 SP_PS_014
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 13 SP_PS_013
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 12 SP_PS_012
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta

Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

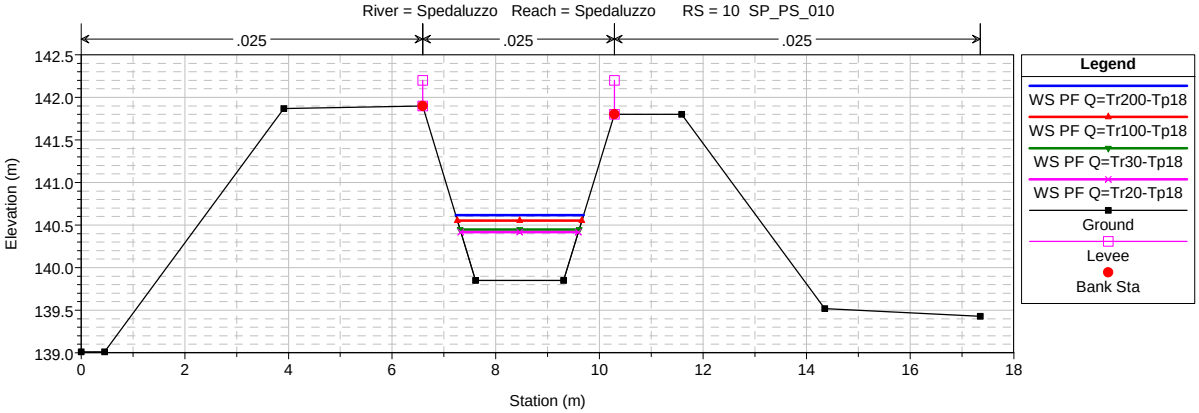
River = Spedaluzzo Reach = Spedaluzzo RS = 11 SP_PS_011



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

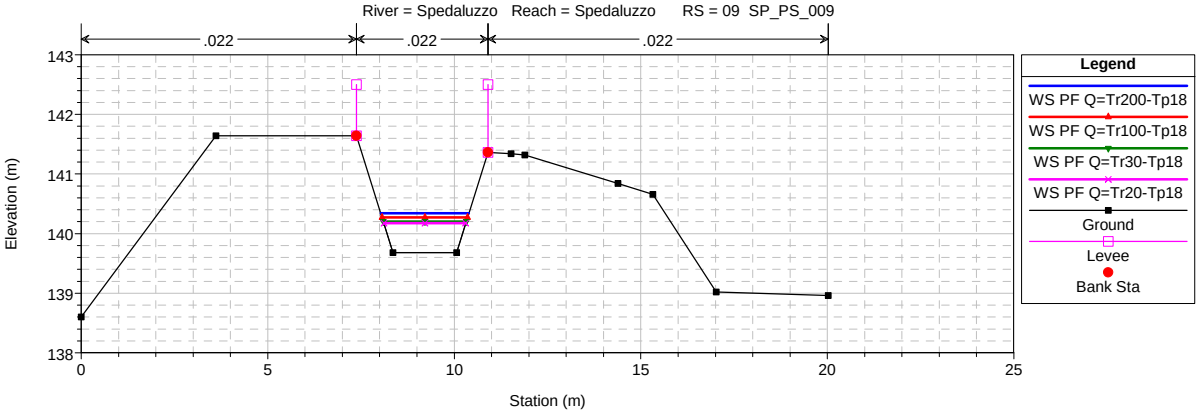
River = Spedaluzzo Reach = Spedaluzzo RS = 10 SP_PS_010



Borro_Spedaluzzo Plan: SA_perm_18

Geom: SA

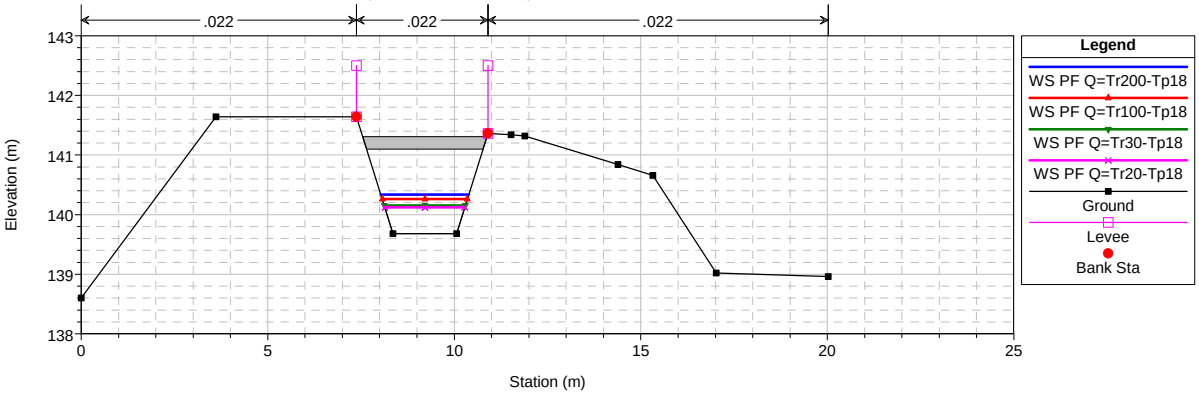
River = Spedaluzzo Reach = Spedaluzzo RS = 09 SP_PS_009

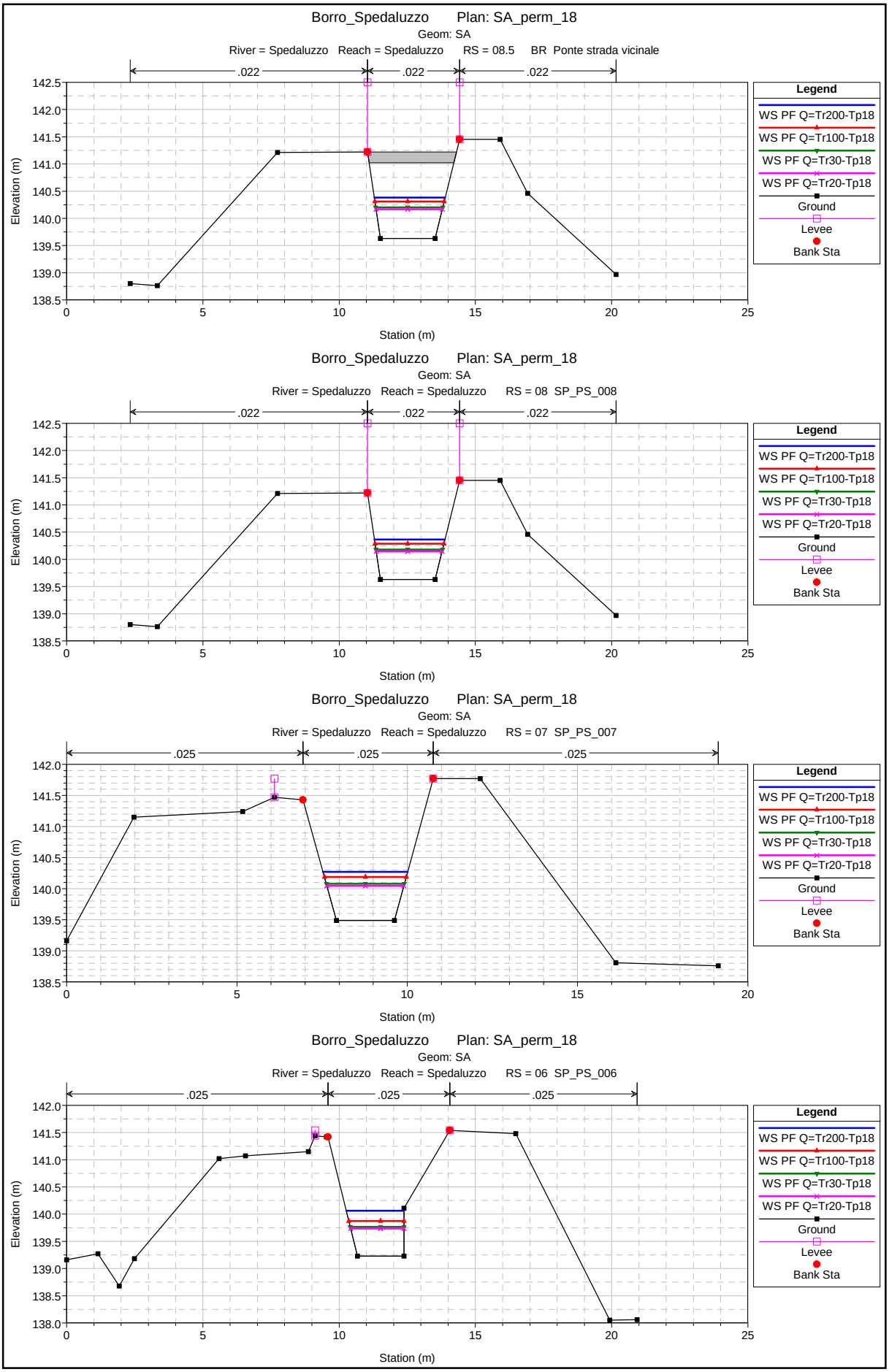


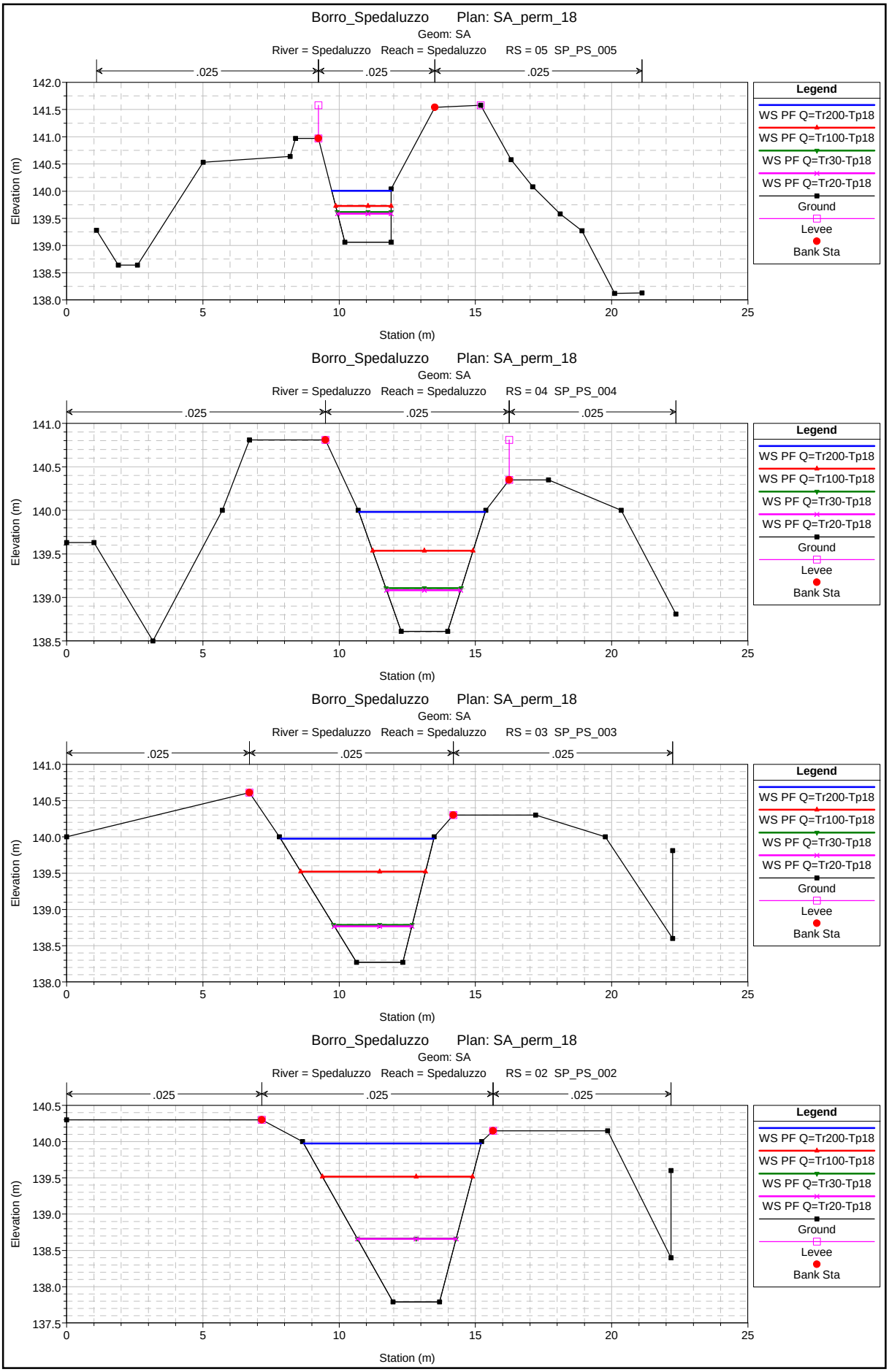
Borro_Spedaluzzo Plan: SA_perm_18

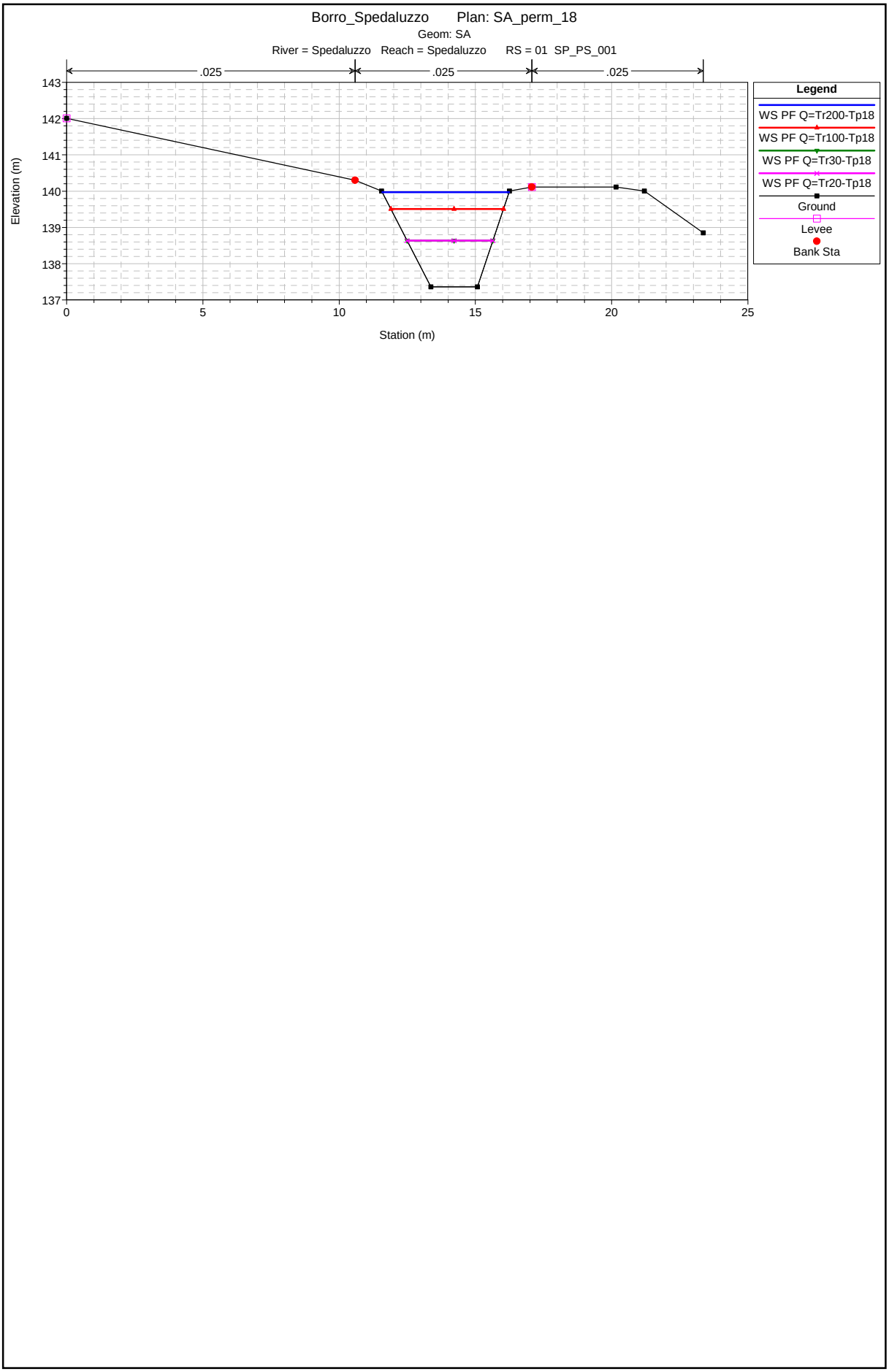
Geom: SA

River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale




Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 08.5 BR Ponte strada vicinale
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 08 SP_PS_008
.022
.022
.022
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 07 SP_PS_007
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 06 SP_PS_006
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 05 SP_PS_005
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 04 SP_PS_004
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 03 SP_PS_003
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta
Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 02 SP_PS_002
.025
.025
.025
Elevation (m)
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta


Borro_Spedaluzzo Plan: SA_perm_18
Geom: SA
River = Spedaluzzo Reach = Spedaluzzo RS = 01 SP_PS_001
.025
.025
.025
Elevation (m)
143
142
141
140
139
138
137
0
5
10
15
20
25
Station (m)
Legend
WS PF Q=Tr200-Tp18
WS PF Q=Tr100-Tp18
WS PF Q=Tr30-Tp18
WS PF Q=Tr20-Tp18
Ground
Levee
Bank Sta

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo

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)	
Spedaluzzo	51	PF Q=Tr200-Tp18	2.80	144.48	144.79	144.97	145.41	0.036016	3.48	0.80	2.66	1.99
Spedaluzzo	51	PF Q=Tr100-Tp18	2.41	144.48	144.76	144.93	145.31	0.036014	3.28	0.74	2.65	1.96
Spedaluzzo	51	PF Q=Tr30-Tp18	1.85	144.48	144.72	144.85	145.17	0.036014	2.95	0.63	2.64	1.91
Spedaluzzo	51	PF Q=Tr20-Tp18	1.69	144.48	144.71	144.83	145.12	0.036012	2.84	0.59	2.64	1.90
Spedaluzzo	50	PF Q=Tr200-Tp18	2.80	144.38	144.94	144.91	145.17	0.010148	2.13	1.32	2.40	0.92
Spedaluzzo	50	PF Q=Tr100-Tp18	2.41	144.38	144.89	144.86	145.10	0.010132	2.03	1.19	2.39	0.92
Spedaluzzo	50	PF Q=Tr30-Tp18	1.85	144.38	144.80	144.78	144.98	0.010157	1.86	0.99	2.38	0.92
Spedaluzzo	50	PF Q=Tr20-Tp18	1.69	144.38	144.78	144.76	144.95	0.010174	1.81	0.93	2.37	0.92
Spedaluzzo	49	PF Q=Tr200-Tp18	2.80	144.28	144.88	144.79	145.06	0.007097	1.86	1.50	2.56	0.78
Spedaluzzo	49	PF Q=Tr100-Tp18	2.41	144.28	144.83	144.74	144.99	0.006992	1.77	1.36	2.55	0.77
Spedaluzzo	49	PF Q=Tr30-Tp18	1.85	144.28	144.74	144.67	144.87	0.006851	1.61	1.15	2.53	0.77
Spedaluzzo	49	PF Q=Tr20-Tp18	1.69	144.28	144.72	144.64	144.84	0.006808	1.56	1.08	2.52	0.76
Spedaluzzo	48	PF Q=Tr200-Tp18	2.80	144.20	144.71	144.71	144.96	0.011825	2.22	1.26	2.52	1.00
Spedaluzzo	48	PF Q=Tr100-Tp18	2.41	144.20	144.66	144.66	144.89	0.011766	2.11	1.14	2.51	1.00
Spedaluzzo	48	PF Q=Tr30-Tp18	1.85	144.20	144.58	144.58	144.78	0.011978	1.94	0.95	2.50	1.00
Spedaluzzo	48	PF Q=Tr20-Tp18	1.69	144.20	144.56	144.56	144.74	0.012040	1.89	0.90	2.50	1.00
Spedaluzzo	47	PF Q=Tr200-Tp18	2.80	143.76	144.38	144.26	144.54	0.006457	1.79	1.56	2.54	0.73
Spedaluzzo	47	PF Q=Tr100-Tp18	2.41	143.76	144.32	144.22	144.47	0.006354	1.70	1.42	2.54	0.73
Spedaluzzo	47	PF Q=Tr30-Tp18	1.85	143.76	144.23	144.14	144.36	0.006193	1.55	1.19	2.53	0.72
Spedaluzzo	47	PF Q=Tr20-Tp18	1.69	143.76	144.21	144.12	144.32	0.006132	1.50	1.13	2.53	0.72
Spedaluzzo	46	PF Q=Tr200-Tp18	2.80	143.71	144.30	144.22	144.49	0.007919	1.94	1.44	2.50	0.81
Spedaluzzo	46	PF Q=Tr100-Tp18	2.41	143.71	144.25	144.18	144.42	0.007690	1.83	1.32	2.49	0.80
Spedaluzzo	46	PF Q=Tr30-Tp18	1.85	143.71	144.16	144.10	144.31	0.007453	1.66	1.11	2.48	0.79
Spedaluzzo	46	PF Q=Tr20-Tp18	1.69	143.71	144.14	144.08	144.27	0.007371	1.61	1.05	2.48	0.79
Spedaluzzo	45	PF Q=Tr200-Tp18	2.80	143.65	144.16	144.16	144.41	0.011862	2.21	1.27	2.52	1.00
Spedaluzzo	45	PF Q=Tr100-Tp18	2.41	143.65	144.11	144.11	144.33	0.011948	2.11	1.14	2.51	1.00
Spedaluzzo	45	PF Q=Tr30-Tp18	1.85	143.65	144.03	144.03	144.22	0.012198	1.95	0.95	2.51	1.01
Spedaluzzo	45	PF Q=Tr20-Tp18	1.69	143.65	144.01	144.01	144.19	0.012239	1.89	0.89	2.51	1.01
Spedaluzzo	44	PF Q=Tr200-Tp18	2.80	143.55	144.16	143.83	144.19	0.000720	0.77	3.63	6.00	0.32

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	44	PF Q=Tr100-Tp18	2.41	143.55	144.08	143.80	144.11	0.000803	0.76	3.18	6.00	0.33
Spedaluzzo	44	PF Q=Tr30-Tp18	1.85	143.55	143.97	143.76	144.00	0.001010	0.74	2.50	6.00	0.37
Spedaluzzo	44	PF Q=Tr20-Tp18	1.69	143.55	143.93	143.75	143.96	0.001107	0.74	2.30	5.99	0.38
Spedaluzzo	43.5		Bridge									
Spedaluzzo	43	PF Q=Tr200-Tp18	2.80	143.45	144.15	143.73	144.17	0.000462	0.67	4.18	6.00	0.26
Spedaluzzo	43	PF Q=Tr100-Tp18	2.41	143.45	144.07	143.70	144.09	0.000485	0.64	3.74	6.00	0.26
Spedaluzzo	43	PF Q=Tr30-Tp18	1.85	143.45	143.96	143.66	143.98	0.000538	0.61	3.05	6.00	0.27
Spedaluzzo	43	PF Q=Tr20-Tp18	1.69	143.45	143.92	143.65	143.94	0.000561	0.59	2.85	6.00	0.28
Spedaluzzo	42	PF Q=Tr200-Tp18	2.80	143.34	143.93	143.86	144.14	0.008454	1.99	1.41	2.39	0.83
Spedaluzzo	42	PF Q=Tr100-Tp18	2.41	143.34	143.88	143.81	144.06	0.008325	1.89	1.28	2.39	0.82
Spedaluzzo	42	PF Q=Tr30-Tp18	1.85	143.34	143.79	143.74	143.95	0.008183	1.73	1.07	2.38	0.82
Spedaluzzo	42	PF Q=Tr20-Tp18	1.69	143.34	143.77	143.71	143.91	0.008164	1.67	1.01	2.38	0.82
Spedaluzzo	41	PF Q=Tr200-Tp18	2.80	143.15	143.66	143.66	143.90	0.011832	2.21	1.27	2.52	0.99
Spedaluzzo	41	PF Q=Tr100-Tp18	2.41	143.15	143.61	143.61	143.83	0.011913	2.11	1.14	2.52	1.00
Spedaluzzo	41	PF Q=Tr30-Tp18	1.85	143.15	143.53	143.53	143.72	0.011966	1.93	0.96	2.51	1.00
Spedaluzzo	41	PF Q=Tr20-Tp18	1.69	143.15	143.51	143.51	143.69	0.011845	1.87	0.90	2.51	0.99
Spedaluzzo	40	PF Q=Tr200-Tp18	2.80	143.02	143.56	143.50	143.75	0.004120	1.93	1.45	2.72	0.84
Spedaluzzo	40	PF Q=Tr100-Tp18	2.41	143.02	143.51	143.45	143.68	0.004168	1.82	1.32	2.72	0.83
Spedaluzzo	40	PF Q=Tr30-Tp18	1.85	143.02	143.43	143.38	143.57	0.004499	1.68	1.10	2.71	0.84
Spedaluzzo	40	PF Q=Tr20-Tp18	1.69	143.02	143.41	143.36	143.54	0.004498	1.62	1.05	2.71	0.83
Spedaluzzo	39.5		Bridge									
Spedaluzzo	39	PF Q=Tr200-Tp18	2.80	142.94	143.45	143.36	143.59	0.003297	1.66	1.69	3.49	0.74
Spedaluzzo	39	PF Q=Tr100-Tp18	2.41	142.94	143.39	143.32	143.52	0.003622	1.61	1.50	3.47	0.76
Spedaluzzo	39	PF Q=Tr30-Tp18	1.85	142.94	143.32	143.26	143.43	0.003746	1.46	1.27	3.45	0.75
Spedaluzzo	39	PF Q=Tr20-Tp18	1.69	142.94	143.31	143.24	143.40	0.003646	1.40	1.21	3.44	0.74
Spedaluzzo	38	PF Q=Tr200-Tp18	2.80	142.81	143.36	143.26	143.51	0.005951	1.70	1.65	3.04	0.74
Spedaluzzo	38	PF Q=Tr100-Tp18	2.41	142.81	143.29	143.22	143.44	0.006984	1.71	1.41	3.02	0.80
Spedaluzzo	38	PF Q=Tr30-Tp18	1.85	142.81	143.17	143.15	143.33	0.009600	1.73	1.07	2.99	0.93

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	38	PF Q=Tr20-Tp18	1.69	142.81	143.14	143.13	143.29	0.010954	1.75	0.96	2.98	0.98
Spedaluzzo	37	PF Q=Tr200-Tp18	2.80	142.68	143.37	143.09	143.44	0.001637	1.16	2.41	3.57	0.45
Spedaluzzo	37	PF Q=Tr100-Tp18	2.41	142.68	143.29	143.05	143.36	0.001758	1.14	2.12	3.55	0.47
Spedaluzzo	37	PF Q=Tr30-Tp18	1.85	142.68	143.17	142.99	143.23	0.002007	1.09	1.70	3.52	0.50
Spedaluzzo	37	PF Q=Tr20-Tp18	1.69	142.68	143.14	142.97	143.20	0.002128	1.07	1.58	3.51	0.51
Spedaluzzo	36.5		Bridge									
Spedaluzzo	36	PF Q=Tr200-Tp18	2.80	142.62	143.37	142.98	143.41	0.000891	0.91	3.08	4.12	0.34
Spedaluzzo	36	PF Q=Tr100-Tp18	2.41	142.62	143.29	142.95	143.33	0.000920	0.87	2.76	4.12	0.34
Spedaluzzo	36	PF Q=Tr30-Tp18	1.85	142.62	143.17	142.89	143.20	0.000981	0.82	2.27	4.12	0.35
Spedaluzzo	36	PF Q=Tr20-Tp18	1.69	142.62	143.13	142.88	143.17	0.001015	0.80	2.11	4.12	0.36
Spedaluzzo	35.99		Lat Struct									
Spedaluzzo	35.98		Lat Struct									
Spedaluzzo	35	PF Q=Tr200-Tp18	2.80	142.50	143.19	143.06	143.35	0.006573	1.81	1.54	2.41	0.72
Spedaluzzo	35	PF Q=Tr100-Tp18	2.41	142.50	143.12	143.01	143.27	0.006800	1.75	1.38	2.40	0.74
Spedaluzzo	35	PF Q=Tr30-Tp18	1.85	142.50	143.01	142.92	143.15	0.007406	1.66	1.12	2.38	0.77
Spedaluzzo	35	PF Q=Tr20-Tp18	1.69	142.50	142.97	142.89	143.11	0.007178	1.63	1.04	2.23	0.76
Spedaluzzo	34	PF Q=Tr200-Tp18	2.80	142.37	143.18	142.82	143.24	0.001885	1.14	2.45	3.09	0.41
Spedaluzzo	34	PF Q=Tr100-Tp18	2.41	142.37	143.10	142.77	143.16	0.001851	1.08	2.22	3.08	0.41
Spedaluzzo	34	PF Q=Tr30-Tp18	1.85	142.37	142.99	142.71	143.04	0.001819	0.99	1.87	3.06	0.41
Spedaluzzo	34	PF Q=Tr20-Tp18	1.69	142.37	142.95	142.69	143.00	0.001815	0.96	1.76	3.06	0.40
Spedaluzzo	33	PF Q=Tr200-Tp18	2.80	142.26	143.01	142.87	143.17	0.005701	1.80	1.55	2.45	0.72
Spedaluzzo	33	PF Q=Tr100-Tp18	2.41	142.26	142.94	142.82	143.10	0.005715	1.73	1.39	2.38	0.72
Spedaluzzo	33	PF Q=Tr30-Tp18	1.85	142.26	142.84	142.73	142.97	0.005727	1.60	1.15	2.28	0.72
Spedaluzzo	33	PF Q=Tr20-Tp18	1.69	142.26	142.81	142.70	142.93	0.005728	1.56	1.08	2.25	0.72
Spedaluzzo	32	PF Q=Tr200-Tp18	2.80	142.09	142.84	142.70	143.01	0.005667	1.80	1.56	2.45	0.72
Spedaluzzo	32	PF Q=Tr100-Tp18	2.41	142.09	142.77	142.65	142.93	0.005706	1.73	1.40	2.38	0.72
Spedaluzzo	32	PF Q=Tr30-Tp18	1.85	142.09	142.67	142.56	142.80	0.005747	1.60	1.15	2.28	0.72

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	32	PF Q=Tr20-Tp18	1.69	142.09	142.64	142.54	142.76	0.005757	1.56	1.08	2.25	0.72
Spedaluzzo	31	PF Q=Tr200-Tp18	2.80	141.81	142.58	142.42	142.73	0.005240	1.75	1.60	2.47	0.69
Spedaluzzo	31	PF Q=Tr100-Tp18	2.41	141.81	142.51	142.37	142.65	0.005381	1.69	1.42	2.39	0.70
Spedaluzzo	31	PF Q=Tr30-Tp18	1.85	141.81	142.39	142.28	142.52	0.005585	1.59	1.16	2.28	0.71
Spedaluzzo	31	PF Q=Tr20-Tp18	1.69	141.81	142.36	142.25	142.48	0.005649	1.55	1.09	2.25	0.71
Spedaluzzo	30	PF Q=Tr200-Tp18	2.80	141.68	142.48	142.29	142.62	0.004548	1.66	1.69	2.50	0.65
Spedaluzzo	30	PF Q=Tr100-Tp18	2.41	141.68	142.41	142.24	142.54	0.004699	1.61	1.50	2.42	0.65
Spedaluzzo	30	PF Q=Tr30-Tp18	1.85	141.68	142.29	142.15	142.40	0.004987	1.53	1.21	2.30	0.67
Spedaluzzo	30	PF Q=Tr20-Tp18	1.69	141.68	142.25	142.12	142.36	0.005075	1.50	1.13	2.27	0.68
Spedaluzzo	29.4		Lat Struct									
Spedaluzzo	29.3		Lat Struct									
Spedaluzzo	29	PF Q=Tr200-Tp18	2.80	141.46	142.31	142.08	142.45	0.004533	1.66	1.69	2.29	0.62
Spedaluzzo	29	PF Q=Tr100-Tp18	2.41	141.46	142.23	142.03	142.36	0.004592	1.60	1.51	2.23	0.62
Spedaluzzo	29	PF Q=Tr30-Tp18	1.85	141.46	142.09	141.94	142.21	0.004897	1.52	1.22	2.14	0.64
Spedaluzzo	29	PF Q=Tr20-Tp18	1.69	141.46	142.05	141.91	142.17	0.005047	1.50	1.13	2.11	0.65
Spedaluzzo	28	PF Q=Tr200-Tp18	2.80	141.44	142.37	141.84	142.41	0.000645	0.83	3.35	3.59	0.28
Spedaluzzo	28	PF Q=Tr100-Tp18	2.41	141.44	142.29	141.80	142.32	0.000629	0.79	3.05	3.59	0.27
Spedaluzzo	28	PF Q=Tr30-Tp18	1.85	141.44	142.15	141.74	142.18	0.000623	0.72	2.55	3.59	0.27
Spedaluzzo	28	PF Q=Tr20-Tp18	1.69	141.44	142.11	141.72	142.13	0.000626	0.70	2.40	3.59	0.27
Spedaluzzo	27.5		Bridge									
Spedaluzzo	27	PF Q=Tr200-Tp18	2.80	141.34	142.36	141.74	142.39	0.000475	0.75	3.73	3.70	0.24
Spedaluzzo	27	PF Q=Tr100-Tp18	2.41	141.34	142.28	141.70	142.30	0.000452	0.71	3.42	3.69	0.23
Spedaluzzo	27	PF Q=Tr30-Tp18	1.85	141.34	142.14	141.64	142.16	0.000424	0.64	2.91	3.67	0.23
Spedaluzzo	27	PF Q=Tr20-Tp18	1.69	141.34	142.10	141.62	142.12	0.000417	0.61	2.75	3.67	0.23
Spedaluzzo	26.9		Lat Struct									
Spedaluzzo	26.8		Lat Struct									

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	26	PF Q=Tr200-Tp18	2.80	141.33	142.31	141.91	142.38	0.001883	1.20	2.34	2.90	0.42
Spedaluzzo	26	PF Q=Tr100-Tp18	2.41	141.33	142.23	141.85	142.30	0.001856	1.14	2.11	2.81	0.42
Spedaluzzo	26	PF Q=Tr30-Tp18	1.85	141.33	142.10	141.77	142.16	0.001848	1.06	1.75	2.68	0.42
Spedaluzzo	26	PF Q=Tr20-Tp18	1.69	141.33	142.06	141.75	142.11	0.001849	1.03	1.64	2.63	0.42
Spedaluzzo	25	PF Q=Tr200-Tp18	2.80	141.33	142.31	141.91	142.38	0.001918	1.20	2.32	2.89	0.43
Spedaluzzo	25	PF Q=Tr100-Tp18	2.41	141.33	142.23	141.85	142.29	0.001893	1.15	2.09	2.81	0.43
Spedaluzzo	25	PF Q=Tr30-Tp18	1.85	141.33	142.09	141.77	142.15	0.001891	1.07	1.73	2.67	0.42
Spedaluzzo	25	PF Q=Tr20-Tp18	1.69	141.33	142.05	141.75	142.11	0.001895	1.04	1.62	2.63	0.42
Spedaluzzo	24	PF Q=Tr200-Tp18	2.80	141.21	142.22	141.82	142.30	0.002134	1.26	2.22	2.71	0.44
Spedaluzzo	24	PF Q=Tr100-Tp18	2.41	141.21	142.14	141.77	142.21	0.002059	1.19	2.02	2.63	0.44
Spedaluzzo	24	PF Q=Tr30-Tp18	1.85	141.21	142.01	141.68	142.07	0.001980	1.10	1.69	2.50	0.43
Spedaluzzo	24	PF Q=Tr20-Tp18	1.69	141.21	141.97	141.65	142.03	0.001957	1.06	1.59	2.46	0.42
Spedaluzzo	23	PF Q=Tr200-Tp18	2.80	141.12	142.12	141.75	142.22	0.002871	1.39	2.01	2.32	0.48
Spedaluzzo	23	PF Q=Tr100-Tp18	2.41	141.12	142.05	141.69	142.14	0.002642	1.30	1.85	2.27	0.46
Spedaluzzo	23	PF Q=Tr30-Tp18	1.85	141.12	141.94	141.60	142.00	0.002356	1.16	1.59	2.20	0.44
Spedaluzzo	23	PF Q=Tr20-Tp18	1.69	141.12	141.90	141.57	141.96	0.002268	1.12	1.51	2.18	0.43
Spedaluzzo	22	PF Q=Tr200-Tp18	2.80	141.05	141.93	141.70	142.04	0.003311	1.46	1.92	2.71	0.55
Spedaluzzo	22	PF Q=Tr100-Tp18	2.41	141.05	141.86	141.65	141.96	0.003374	1.41	1.72	2.69	0.56
Spedaluzzo	22	PF Q=Tr30-Tp18	1.85	141.05	141.76	141.58	141.84	0.003261	1.28	1.44	2.66	0.55
Spedaluzzo	22	PF Q=Tr20-Tp18	1.69	141.05	141.73	141.56	141.81	0.003226	1.24	1.36	2.65	0.55
Spedaluzzo	21	PF Q=Tr200-Tp18	2.80	141.04	141.91	141.70	142.03	0.002903	1.52	1.84	2.67	0.59
Spedaluzzo	21	PF Q=Tr100-Tp18	2.41	141.04	141.84	141.66	141.95	0.003002	1.47	1.64	2.66	0.60
Spedaluzzo	21	PF Q=Tr30-Tp18	1.85	141.04	141.74	141.59	141.83	0.002955	1.35	1.37	2.64	0.60
Spedaluzzo	21	PF Q=Tr20-Tp18	1.69	141.04	141.71	141.56	141.79	0.002946	1.31	1.29	2.64	0.60
Spedaluzzo	20.5		Bridge									
Spedaluzzo	20	PF Q=Tr200-Tp18	2.80	141.00	141.80	141.71	141.99	0.005282	1.91	1.46	2.40	0.78
Spedaluzzo	20	PF Q=Tr100-Tp18	2.41	141.00	141.70	141.66	141.90	0.006546	1.97	1.22	2.39	0.88
Spedaluzzo	20	PF Q=Tr30-Tp18	1.85	141.00	141.58	141.58	141.78	0.008358	1.97	0.94	2.37	1.00

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	20	PF Q=Tr20-Tp18	1.69	141.00	141.56	141.56	141.74	0.008308	1.91	0.89	2.36	0.99
Spedaluzzo	19	PF Q=Tr200-Tp18	2.80	140.98	141.86	141.51	141.94	0.002394	1.29	2.17	2.75	0.46
Spedaluzzo	19	PF Q=Tr100-Tp18	2.41	140.98	141.77	141.47	141.85	0.002493	1.25	1.92	2.69	0.47
Spedaluzzo	19	PF Q=Tr30-Tp18	1.85	140.98	141.63	141.39	141.70	0.002695	1.19	1.55	2.60	0.49
Spedaluzzo	19	PF Q=Tr20-Tp18	1.69	140.98	141.59	141.37	141.65	0.002765	1.17	1.45	2.58	0.50
Spedaluzzo	18	PF Q=Tr200-Tp18	2.80	140.87	141.82	141.37	141.88	0.001446	1.06	2.63	3.06	0.37
Spedaluzzo	18	PF Q=Tr100-Tp18	2.41	140.87	141.73	141.32	141.78	0.001478	1.03	2.34	3.00	0.37
Spedaluzzo	18	PF Q=Tr30-Tp18	1.85	140.87	141.58	141.25	141.63	0.001546	0.97	1.92	2.91	0.38
Spedaluzzo	18	PF Q=Tr20-Tp18	1.69	140.87	141.54	141.23	141.58	0.001567	0.94	1.79	2.89	0.38
Spedaluzzo	17.9		Lat Struct									
Spedaluzzo	17	PF Q=Tr200-Tp18	2.80	140.74	141.69	141.37	141.81	0.003388	1.48	1.89	2.26	0.52
Spedaluzzo	17	PF Q=Tr100-Tp18	2.41	140.74	141.60	141.31	141.71	0.003409	1.43	1.69	2.21	0.52
Spedaluzzo	17	PF Q=Tr30-Tp18	1.85	140.74	141.47	141.22	141.56	0.003431	1.33	1.39	2.13	0.53
Spedaluzzo	17	PF Q=Tr20-Tp18	1.69	140.74	141.43	141.20	141.51	0.003424	1.30	1.30	2.10	0.53
Spedaluzzo	16	PF Q=Tr200-Tp18	2.80	140.60	141.49	141.28	141.65	0.005415	1.78	1.57	2.08	0.65
Spedaluzzo	16	PF Q=Tr100-Tp18	2.41	140.60	141.39	141.22	141.55	0.005881	1.76	1.37	2.01	0.68
Spedaluzzo	16	PF Q=Tr30-Tp18	1.85	140.60	141.23	141.12	141.39	0.007079	1.76	1.05	1.89	0.75
Spedaluzzo	16	PF Q=Tr20-Tp18	1.69	140.60	141.18	141.09	141.34	0.007635	1.76	0.96	1.86	0.78
Spedaluzzo	15	PF Q=Tr200-Tp18	2.80	140.56	141.53	141.12	141.61	0.001528	1.21	2.31	2.66	0.42
Spedaluzzo	15	PF Q=Tr100-Tp18	2.41	140.56	141.43	141.07	141.50	0.001609	1.19	2.03	2.65	0.43
Spedaluzzo	15	PF Q=Tr30-Tp18	1.85	140.56	141.27	140.99	141.33	0.001806	1.15	1.61	2.54	0.46
Spedaluzzo	15	PF Q=Tr20-Tp18	1.69	140.56	141.22	140.96	141.28	0.001895	1.14	1.49	2.50	0.47
Spedaluzzo	14.5		Bridge									
Spedaluzzo	14	PF Q=Tr200-Tp18	2.80	140.31	141.08	141.04	141.37	0.009273	2.38	1.18	1.68	0.91
Spedaluzzo	14	PF Q=Tr100-Tp18	2.41	140.31	141.03	140.97	141.28	0.008683	2.23	1.08	1.66	0.88
Spedaluzzo	14	PF Q=Tr30-Tp18	1.85	140.31	140.93	140.87	141.13	0.007949	2.01	0.92	1.62	0.85
Spedaluzzo	14	PF Q=Tr20-Tp18	1.69	140.31	140.90	140.83	141.09	0.007727	1.94	0.87	1.60	0.84

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	13.9		Lat Struct									
Spedaluzzo	13.8		Lat Struct									
Spedaluzzo	13	PF Q=Tr200-Tp18	2.80	140.21	141.03	140.81	141.17	0.004696	1.67	1.68	2.25	0.62
Spedaluzzo	13	PF Q=Tr100-Tp18	2.41	140.21	140.97	140.76	141.09	0.004438	1.57	1.54	2.22	0.60
Spedaluzzo	13	PF Q=Tr30-Tp18	1.85	140.21	140.87	140.67	140.97	0.004033	1.41	1.32	2.17	0.58
Spedaluzzo	13	PF Q=Tr20-Tp18	1.69	140.21	140.84	140.64	140.93	0.003906	1.35	1.25	2.15	0.57
Spedaluzzo	12	PF Q=Tr200-Tp18	2.80	140.21	140.90	140.82	141.10	0.007375	1.98	1.42	2.39	0.82
Spedaluzzo	12	PF Q=Tr100-Tp18	2.41	140.21	140.84	140.77	141.02	0.007585	1.91	1.26	2.33	0.83
Spedaluzzo	12	PF Q=Tr30-Tp18	1.85	140.21	140.73	140.68	140.90	0.008030	1.80	1.03	2.22	0.85
Spedaluzzo	12	PF Q=Tr20-Tp18	1.69	140.21	140.70	140.65	140.86	0.008202	1.77	0.96	2.19	0.86
Spedaluzzo	11	PF Q=Tr200-Tp18	2.80	140.09	140.86	140.70	141.02	0.005106	1.73	1.62	2.48	0.68
Spedaluzzo	11	PF Q=Tr100-Tp18	2.41	140.09	140.80	140.65	140.94	0.005098	1.66	1.45	2.41	0.68
Spedaluzzo	11	PF Q=Tr30-Tp18	1.85	140.09	140.69	140.56	140.81	0.005093	1.54	1.20	2.30	0.68
Spedaluzzo	11	PF Q=Tr20-Tp18	1.69	140.09	140.66	140.53	140.77	0.005092	1.50	1.13	2.27	0.68
Spedaluzzo	10	PF Q=Tr200-Tp18	2.80	139.85	140.62	140.46	140.77	0.005300	1.75	1.60	2.47	0.70
Spedaluzzo	10	PF Q=Tr100-Tp18	2.41	139.85	140.55	140.41	140.69	0.005238	1.68	1.44	2.40	0.69
Spedaluzzo	10	PF Q=Tr30-Tp18	1.85	139.85	140.45	140.32	140.57	0.005186	1.55	1.20	2.30	0.68
Spedaluzzo	10	PF Q=Tr20-Tp18	1.69	139.85	140.42	140.29	140.53	0.005165	1.50	1.12	2.27	0.68
Spedaluzzo	09	PF Q=Tr200-Tp18	2.80	139.68	140.34	140.29	140.56	0.006578	2.08	1.35	2.36	0.88
Spedaluzzo	09	PF Q=Tr100-Tp18	2.41	139.68	140.27	140.24	140.48	0.006963	2.03	1.19	2.29	0.90
Spedaluzzo	09	PF Q=Tr30-Tp18	1.85	139.68	140.20	140.15	140.37	0.006310	1.81	1.02	2.22	0.85
Spedaluzzo	09	PF Q=Tr20-Tp18	1.69	139.68	140.17	140.13	140.33	0.006225	1.76	0.96	2.19	0.85
Spedaluzzo	08.5		Bridge									
Spedaluzzo	08	PF Q=Tr200-Tp18	2.80	139.63	140.36	140.19	140.50	0.003642	1.66	1.69	2.59	0.66
Spedaluzzo	08	PF Q=Tr100-Tp18	2.41	139.63	140.29	140.14	140.42	0.003797	1.61	1.50	2.53	0.67
Spedaluzzo	08	PF Q=Tr30-Tp18	1.85	139.63	140.18	140.06	140.30	0.003960	1.51	1.23	2.44	0.68
Spedaluzzo	08	PF Q=Tr20-Tp18	1.69	139.63	140.15	140.03	140.26	0.004025	1.48	1.14	2.42	0.68

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	7.9		Lat Struct									
Spedaluzzo	7.8		Lat Struct									
Spedaluzzo	07	PF Q=Tr200-Tp18	2.80	139.49	140.27	140.10	140.42	0.004960	1.71	1.63	2.49	0.67
Spedaluzzo	07	PF Q=Tr100-Tp18	2.41	139.49	140.19	140.05	140.33	0.005287	1.68	1.43	2.40	0.69
Spedaluzzo	07	PF Q=Tr30-Tp18	1.85	139.49	140.08	139.96	140.20	0.005458	1.58	1.17	2.29	0.70
Spedaluzzo	07	PF Q=Tr20-Tp18	1.69	139.49	140.04	139.94	140.17	0.005529	1.54	1.10	2.26	0.71
Spedaluzzo	06	PF Q=Tr200-Tp18	2.80	139.23	140.06	139.86	140.22	0.005401	1.75	1.60	2.12	0.64
Spedaluzzo	06	PF Q=Tr100-Tp18	2.41	139.23	139.87	139.80	140.08	0.008782	2.01	1.20	2.03	0.83
Spedaluzzo	06	PF Q=Tr30-Tp18	1.85	139.23	139.77	139.71	139.95	0.008888	1.87	0.99	1.98	0.84
Spedaluzzo	06	PF Q=Tr20-Tp18	1.69	139.23	139.74	139.68	139.90	0.008911	1.82	0.93	1.96	0.84
Spedaluzzo	05	PF Q=Tr200-Tp18	2.80	139.06	140.01	139.69	140.13	0.003691	1.52	1.84	2.18	0.53
Spedaluzzo	05	PF Q=Tr100-Tp18	2.41	139.06	139.73	139.63	139.92	0.007981	1.94	1.24	2.04	0.79
Spedaluzzo	05	PF Q=Tr30-Tp18	1.85	139.06	139.62	139.54	139.78	0.008128	1.81	1.02	1.98	0.80
Spedaluzzo	05	PF Q=Tr20-Tp18	1.69	139.06	139.59	139.51	139.74	0.008051	1.76	0.96	1.97	0.80
Spedaluzzo	04	PF Q=Tr200-Tp18	2.80	138.61	139.98	139.18	140.00	0.000375	0.64	4.35	4.64	0.21
Spedaluzzo	04	PF Q=Tr100-Tp18	2.41	138.61	139.54	139.13	139.58	0.001248	0.97	2.50	3.69	0.37
Spedaluzzo	04	PF Q=Tr30-Tp18	1.85	138.61	139.11	139.06	139.25	0.007034	1.67	1.11	2.76	0.84
Spedaluzzo	04	PF Q=Tr20-Tp18	1.69	138.61	139.08	139.03	139.22	0.007027	1.62	1.04	2.71	0.84
Spedaluzzo	03	PF Q=Tr200-Tp18	2.80	138.27	139.98	138.84	139.99	0.000146	0.45	6.25	5.63	0.14
Spedaluzzo	03	PF Q=Tr100-Tp18	2.41	138.27	139.52	138.79	139.54	0.000377	0.61	3.93	4.58	0.21
Spedaluzzo	03	PF Q=Tr30-Tp18	1.85	138.27	138.79	138.71	138.91	0.005950	1.56	1.19	2.89	0.78
Spedaluzzo	03	PF Q=Tr20-Tp18	1.69	138.27	138.77	138.69	138.88	0.005696	1.49	1.13	2.85	0.76
Spedaluzzo	02	PF Q=Tr200-Tp18	2.80	137.79	139.97	138.36	139.98	0.000055	0.31	8.97	6.51	0.08
Spedaluzzo	02	PF Q=Tr100-Tp18	2.41	137.79	139.52	138.31	139.52	0.000108	0.39	6.22	5.50	0.12
Spedaluzzo	02	PF Q=Tr30-Tp18	1.85	137.79	138.66	138.24	138.70	0.000906	0.79	2.33	3.63	0.32
Spedaluzzo	02	PF Q=Tr20-Tp18	1.69	137.79	138.66	138.21	138.69	0.000769	0.73	2.31	3.62	0.29
Spedaluzzo	01	PF Q=Tr200-Tp18	2.80	137.36	139.97	137.97	139.98	0.000065	0.34	8.29	4.66	0.08
Spedaluzzo	01	PF Q=Tr100-Tp18	2.41	137.36	139.51	137.91	139.52	0.000100	0.38	6.27	4.13	0.10

HEC-RAS Plan: SA_perm_18 River: Spedaluzzo Reach: Spedaluzzo (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)	
Spedaluzzo	01	PF Q=Tr30-Tp18	1.85	137.36	138.64	137.83	138.66	0.000381	0.60	3.10	3.15	0.19
Spedaluzzo	01	PF Q=Tr20-Tp18	1.69	137.36	138.64	137.80	138.66	0.000318	0.54	3.10	3.15	0.18

HEC-RAS Plan: SA_perm_18

Storage Area	Profile	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
		(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
36_dx	PF Q=Tr200-Tp18	143.00	143.00	0.00	2.50	0.00
36_dx	PF Q=Tr100-Tp18	143.00	143.00	0.00	2.50	0.00
36_dx	PF Q=Tr30-Tp18	143.00	143.00	0.00	2.50	0.00
36_dx	PF Q=Tr20-Tp18	143.00	143.00	0.00	2.50	0.00
36_sx	PF Q=Tr200-Tp18	143.00	143.00	0.00	1.30	0.00
36_sx	PF Q=Tr100-Tp18	143.00	143.00	0.00	1.30	0.00
36_sx	PF Q=Tr30-Tp18	143.00	143.00	0.00	1.30	0.00
36_sx	PF Q=Tr20-Tp18	143.00	143.00	0.00	1.30	0.00
SA_Sped_Dx1	PF Q=Tr200-Tp18	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	PF Q=Tr100-Tp18	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	PF Q=Tr30-Tp18	139.50	139.50	0.00	56.00	0.00
SA_Sped_Dx1	PF Q=Tr20-Tp18	139.50	139.50	0.00	56.00	0.00
SA_Sped_Sx1	PF Q=Tr200-Tp18	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	PF Q=Tr100-Tp18	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	PF Q=Tr30-Tp18	140.60	140.60	0.00	3.00	0.00
SA_Sped_Sx1	PF Q=Tr20-Tp18	140.60	140.60	0.00	3.00	0.00
Spedaluzzo_StSn	PF Q=Tr200-Tp18	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	PF Q=Tr100-Tp18	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	PF Q=Tr30-Tp18	138.20	138.20	0.00	9.00	0.00
Spedaluzzo_StSn	PF Q=Tr20-Tp18	138.20	138.20	0.00	9.00	0.00

borro del Giglio

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

verifiche con Tpioggia critico per il Fiume Arno

- moto vario

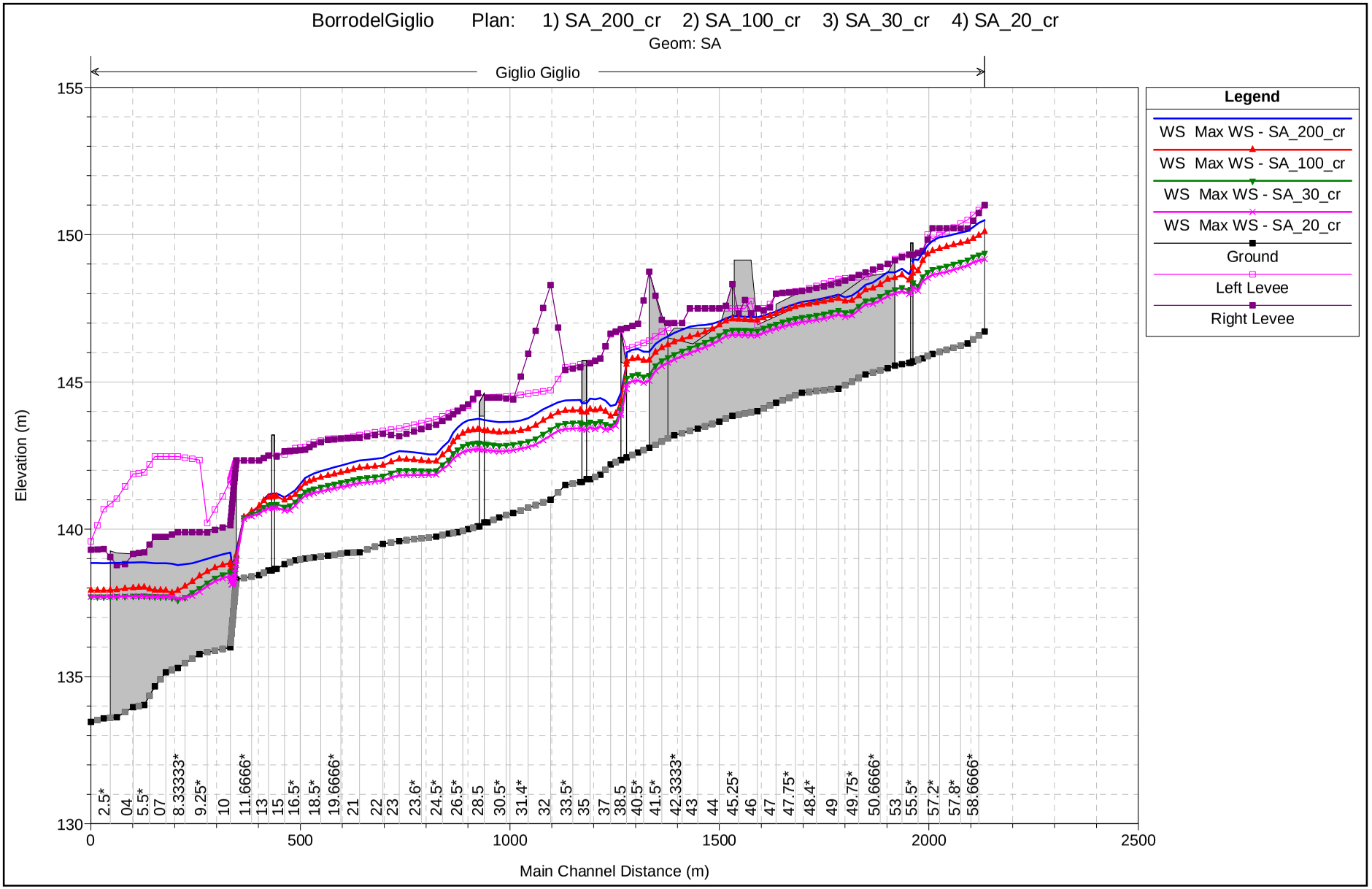
  Tr=200, 100, 30 e 20 anni

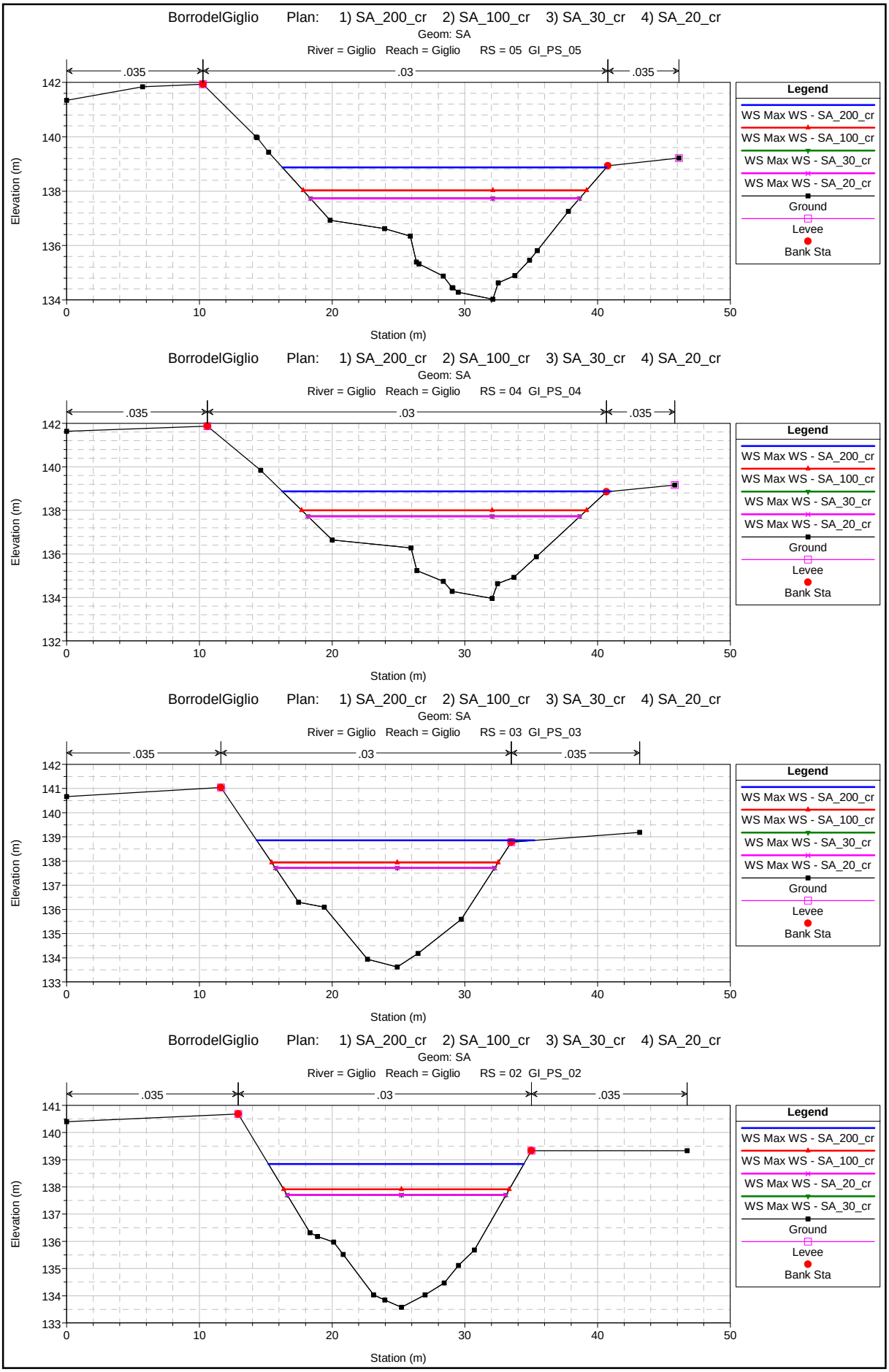
  profilo

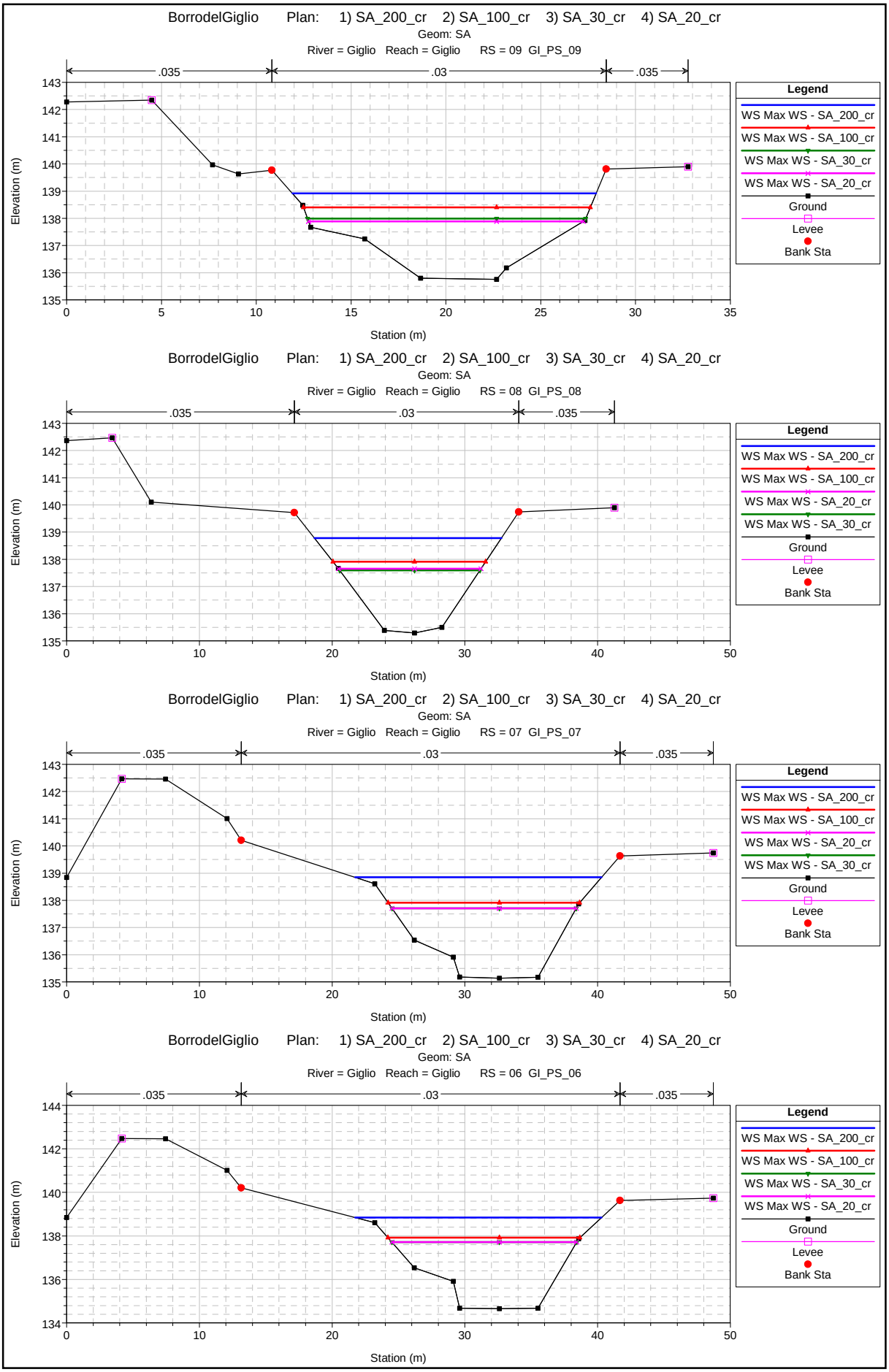
  livelli idrici nelle sezioni di verifica

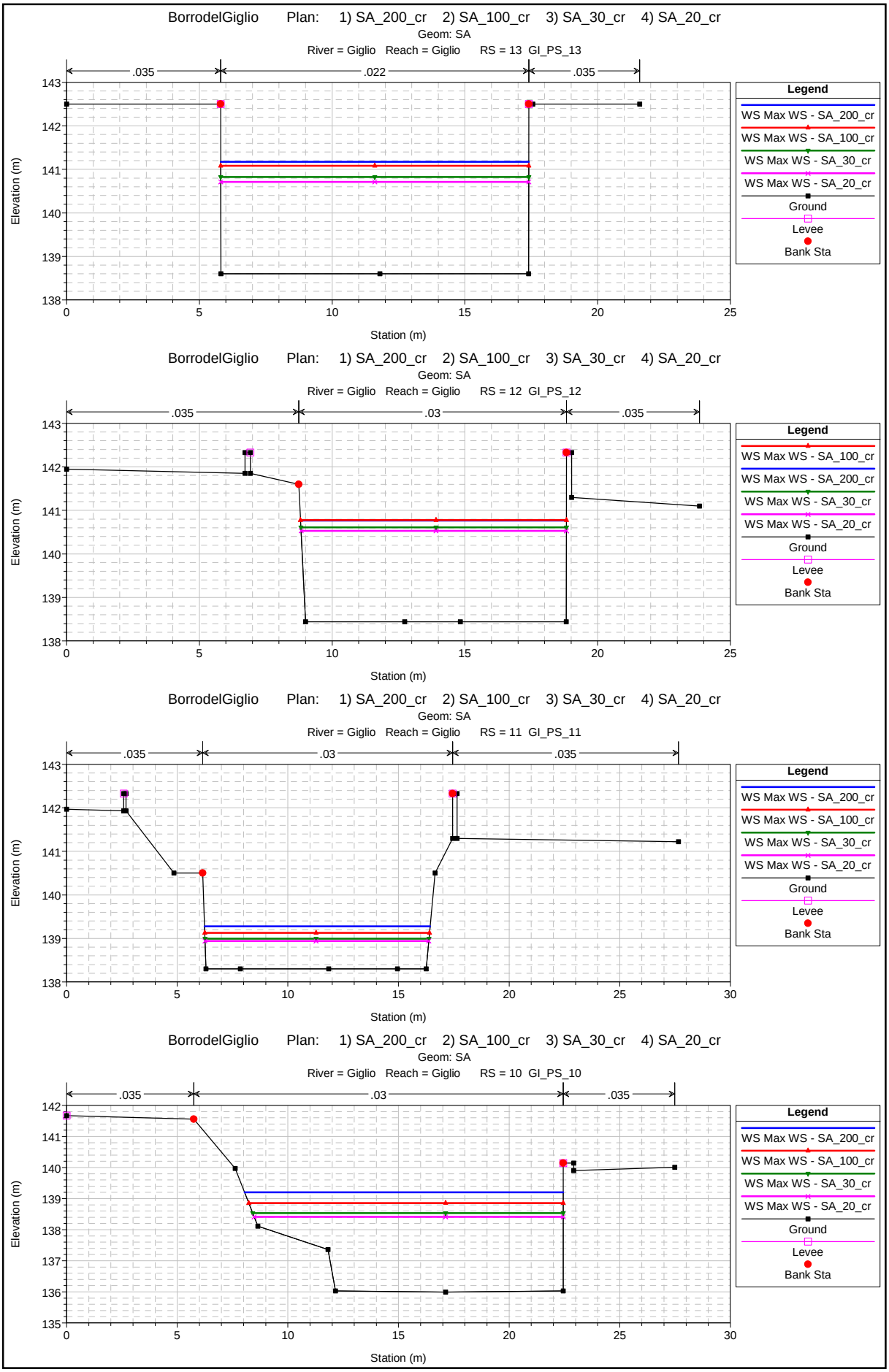
  tabella di output del software Hec-ras 4.0

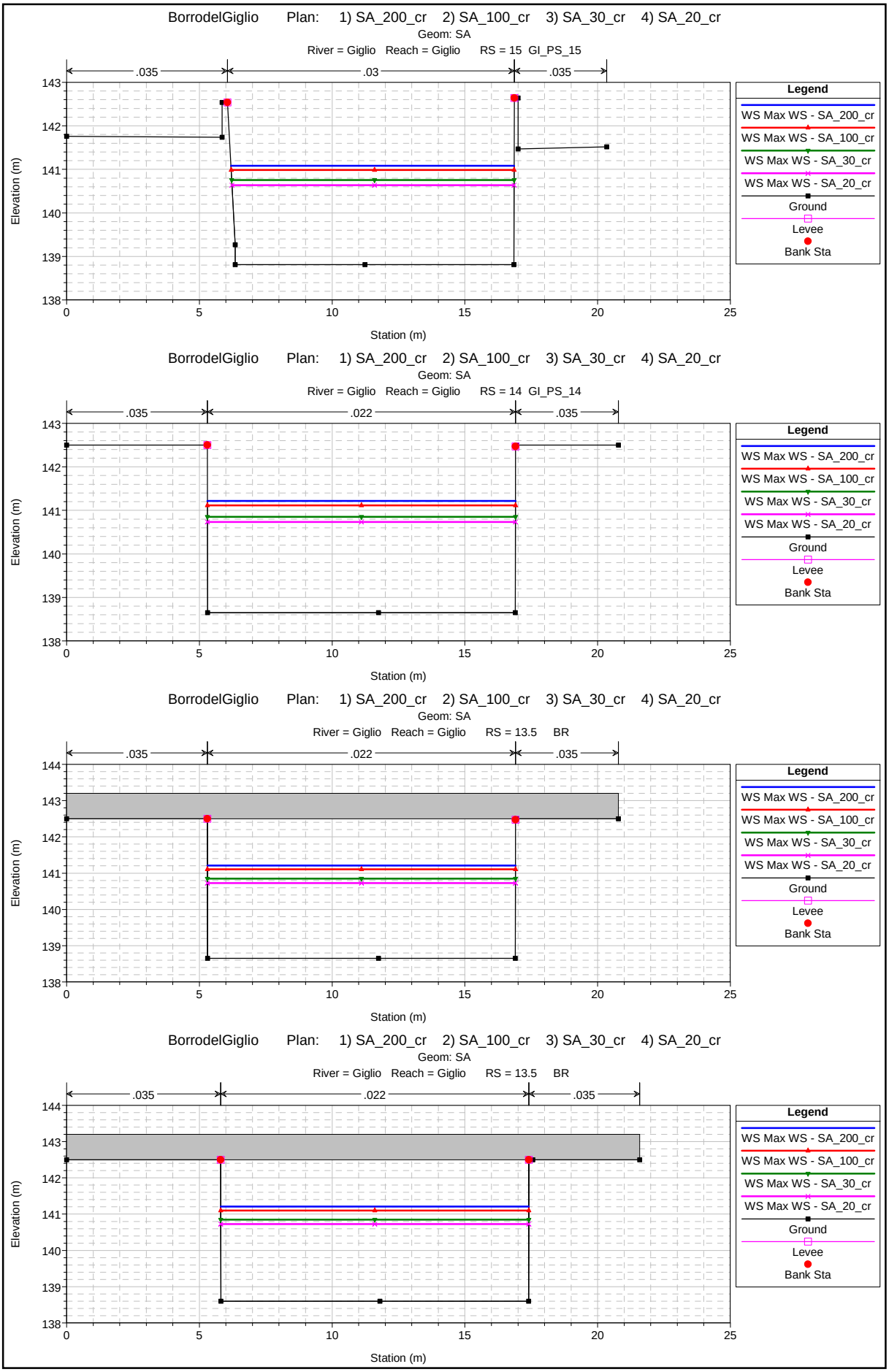
  livelli e portate in ingresso alle aree di accumulo

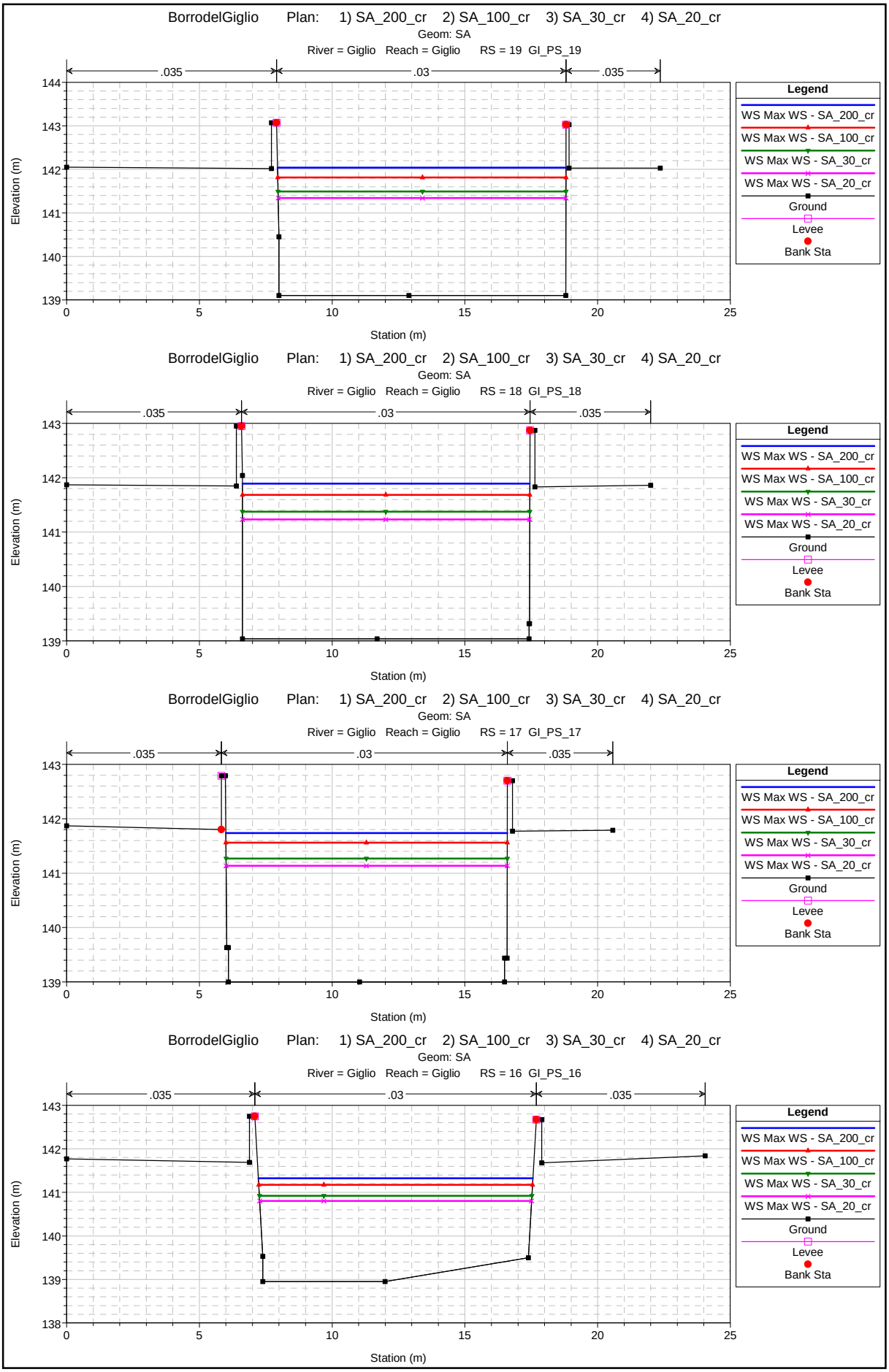

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
Giglio Giglio
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Left Levee
Right Levee
Elevation (m)
155
150
145
140
135
130
0
500
1000
1500
2000
2500
Main Channel Distance (m)
2.5*
04
5.5*
07
8.3333*
9.25*
10
11.6666*
13
15
16.5*
18.5*
19.6666*
21
22
23
23.6*
24.5*
26.5*
28.5
30.5*
31.4*
32
33.5*
35
37
38.5
40.5*
41.5*
42.3333*
43
44
45.25*
46
47
47.75*
48.4*
49
49.75*
50.6666*
53
55.5*
57.2*
57.8*
58.6666*

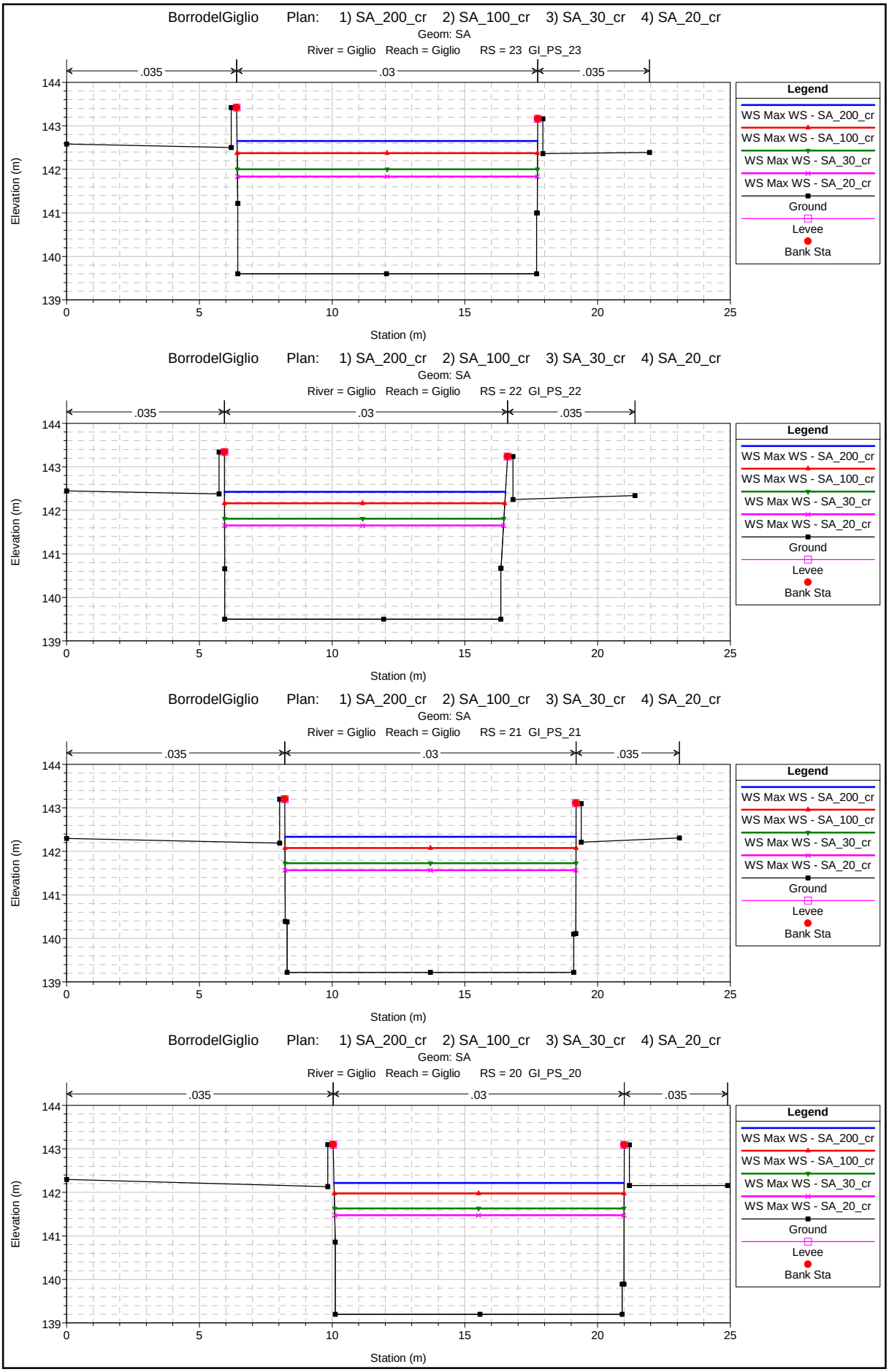

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 05 GI_PS_05
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 04 GI_PS_04
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 03 GI_PS_03
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 02 GI_PS_02
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_20_cr
WS Max WS - SA_30_cr
Ground
Levee
Bank Sta

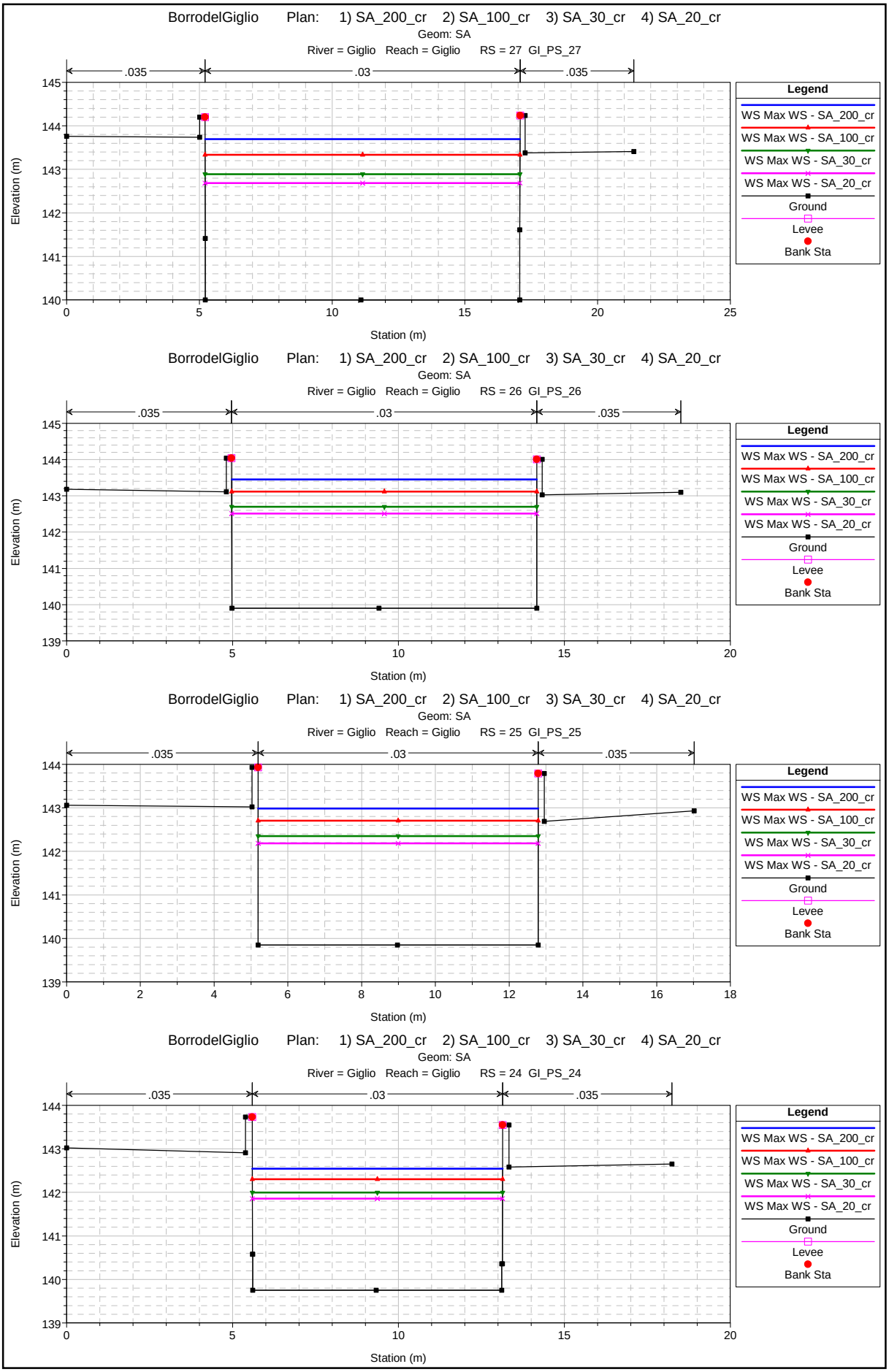

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 09 GI_PS_09
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 08 GI_PS_08
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_20_cr
WS Max WS - SA_30_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 07 GI_PS_07
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_20_cr
WS Max WS - SA_30_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 06 GI_PS_06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

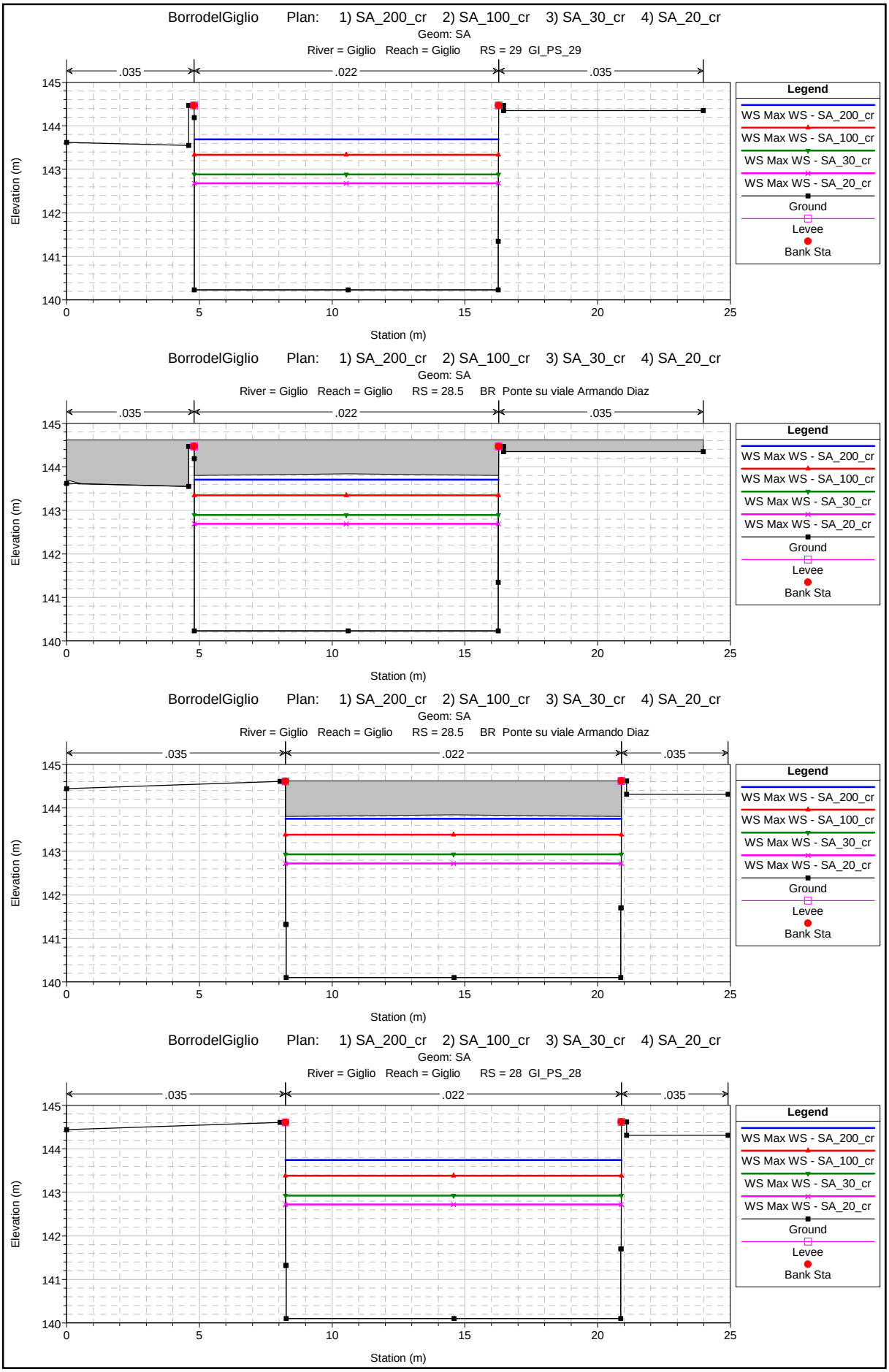

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 13 GI_PS_13
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 12 GI_PS_12
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_100_cr
WS Max WS - SA_200_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 11 GI_PS_11
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 10 GI_PS_10
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

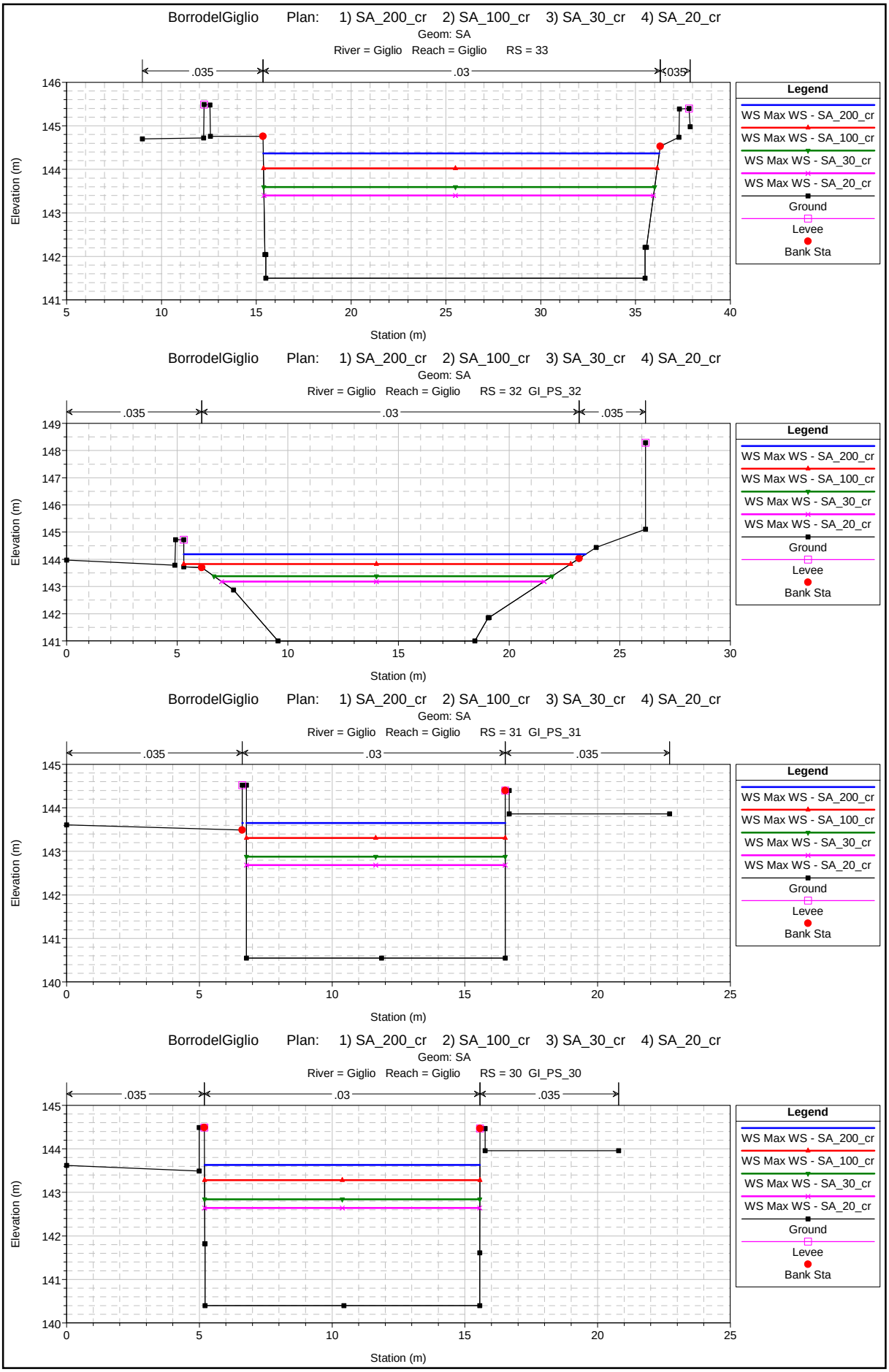

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 15 GI_PS_15
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 14 GI_PS_14
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

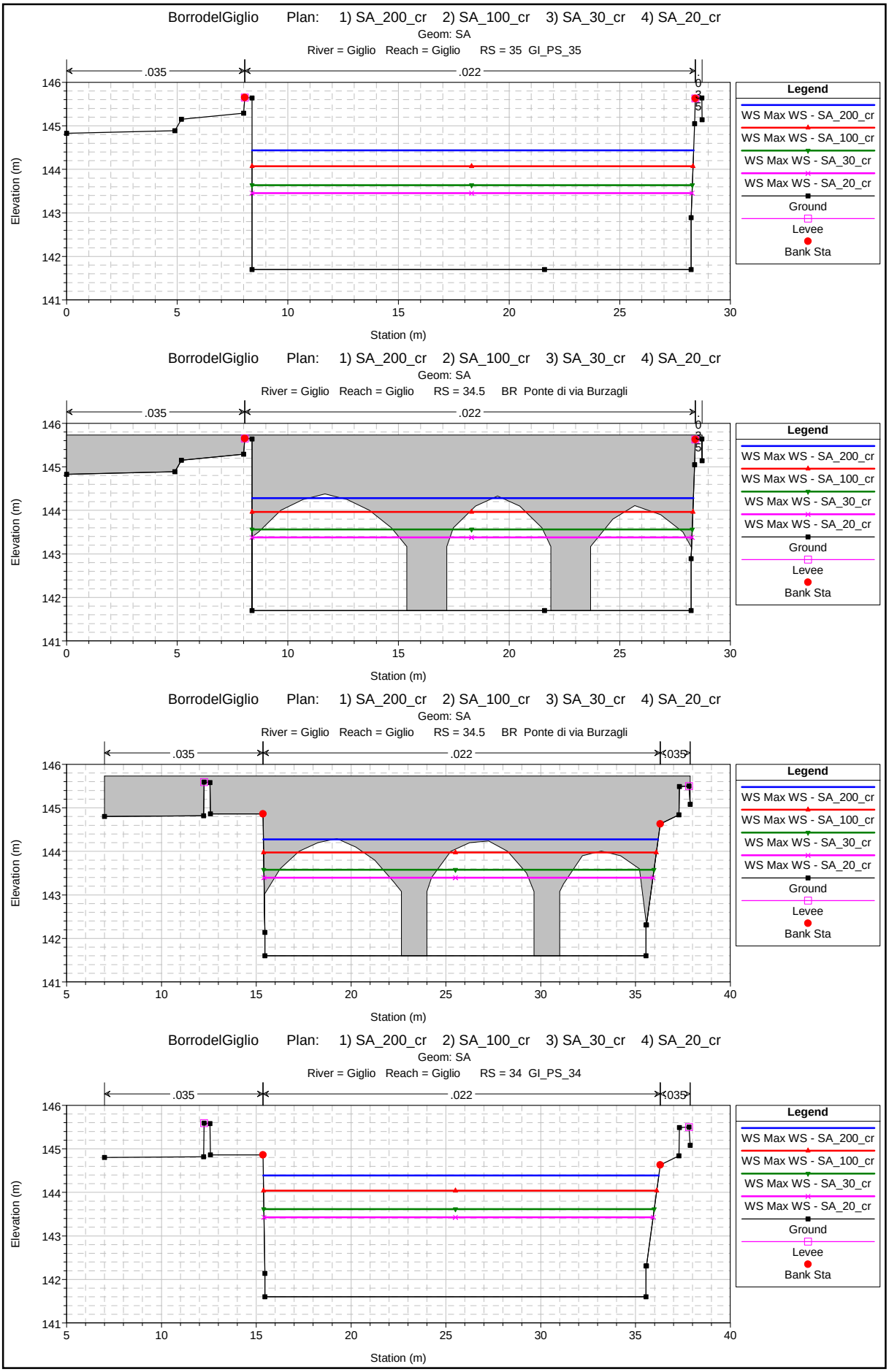

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 19 GI_PS_19
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 18 GI_PS_18
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 17 GI_PS_17
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 16 GI_PS_16
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

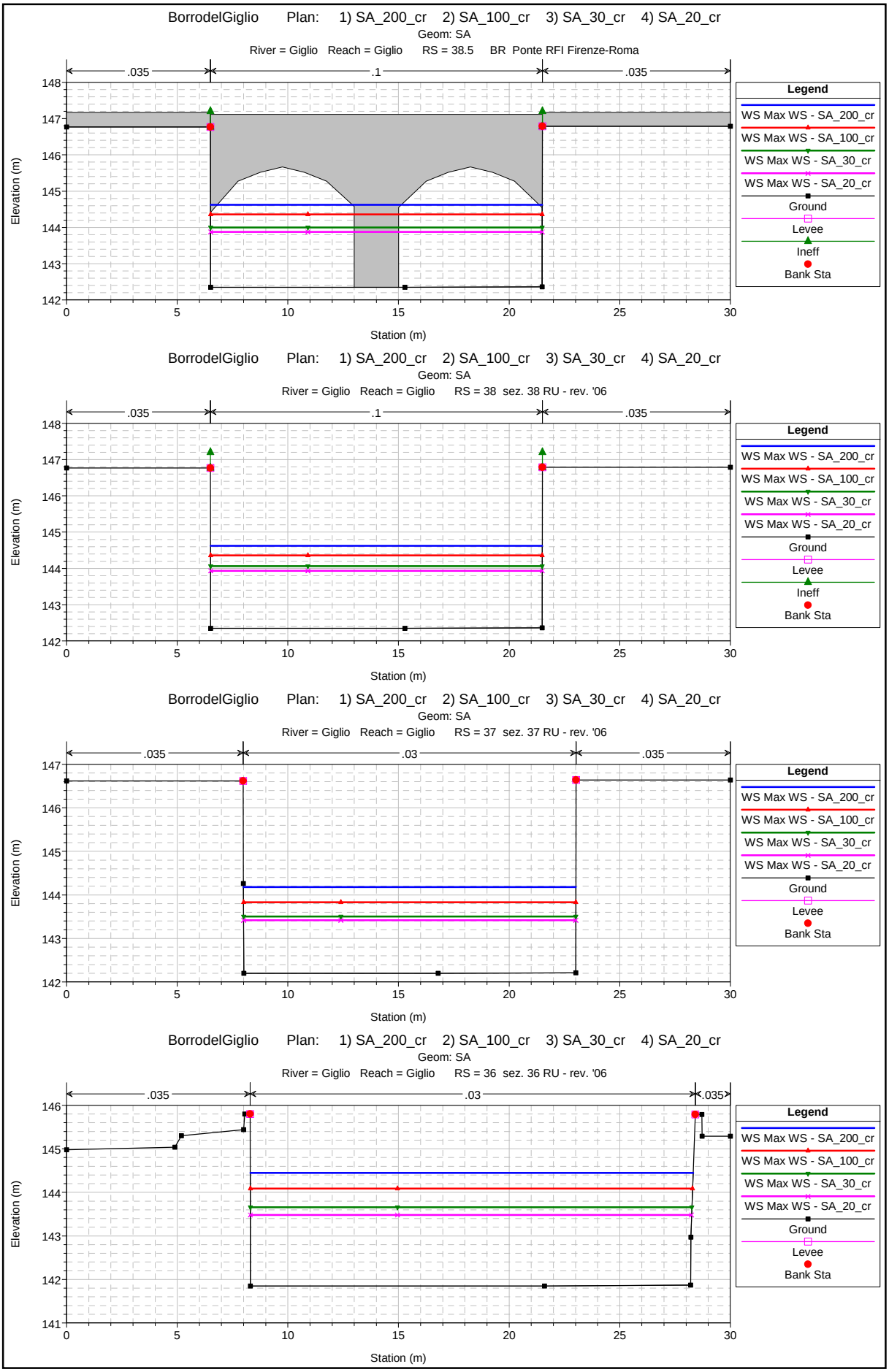

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 23 GI_PS_23
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 22 GI_PS_22
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 21 GI_PS_21
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 20 GI_PS_20
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 27 GI_PS_27
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 26 GI_PS_26
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 25 GI_PS_25
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 24 GI_PS_24
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 29 GI_PS_29
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 28 GI_PS_28
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 33
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 32 GI_PS_32
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 31 GI_PS_31
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 30 GI_PS_30
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

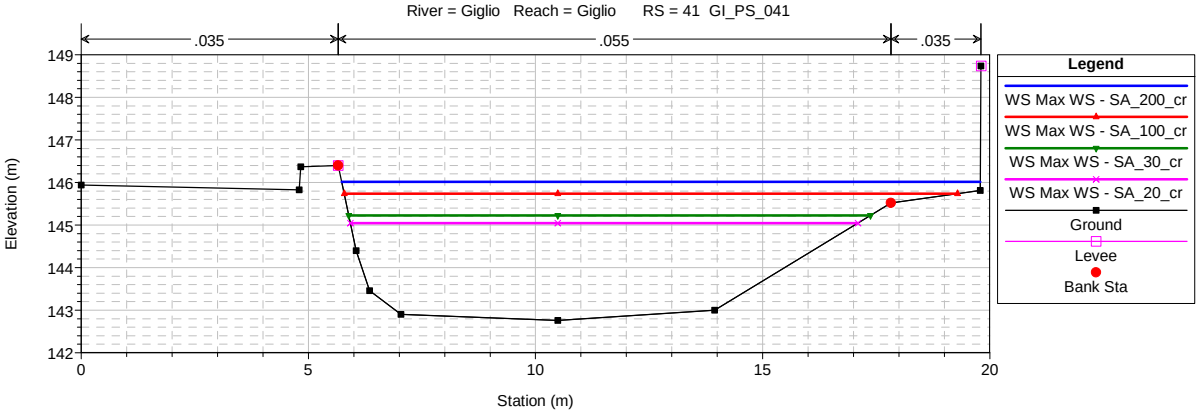

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 35 GI_PS_35
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 34 GI_PS_34
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 38 sez. 38 RU - rev. '06
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 37 sez. 37 RU - rev. '06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 36 sez. 36 RU - rev. '06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

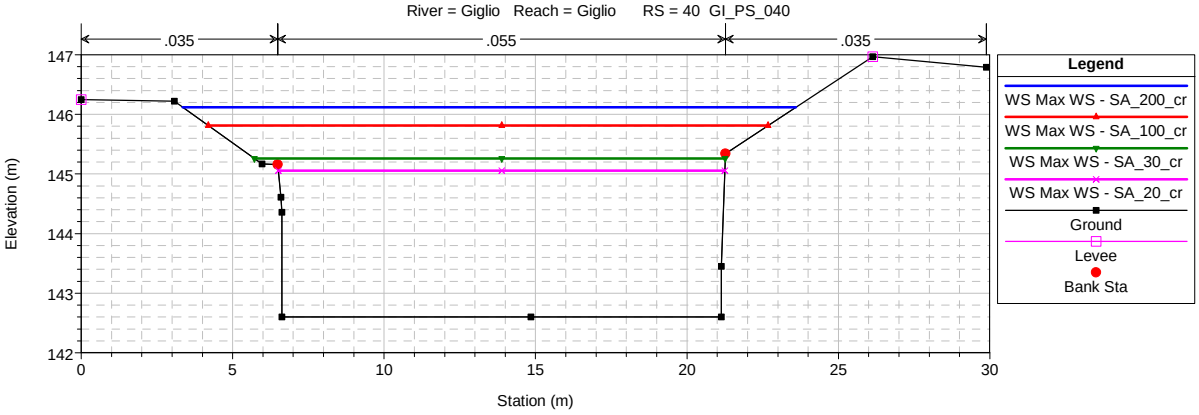
River = Giglio Reach = Giglio RS = 41 GI_PS_041



BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

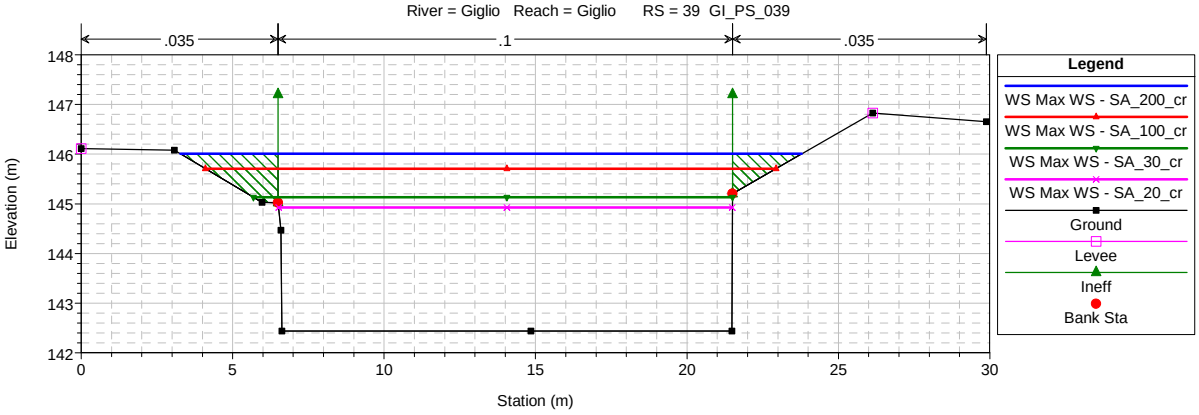
River = Giglio Reach = Giglio RS = 40 GI_PS_040



BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

Geom: SA

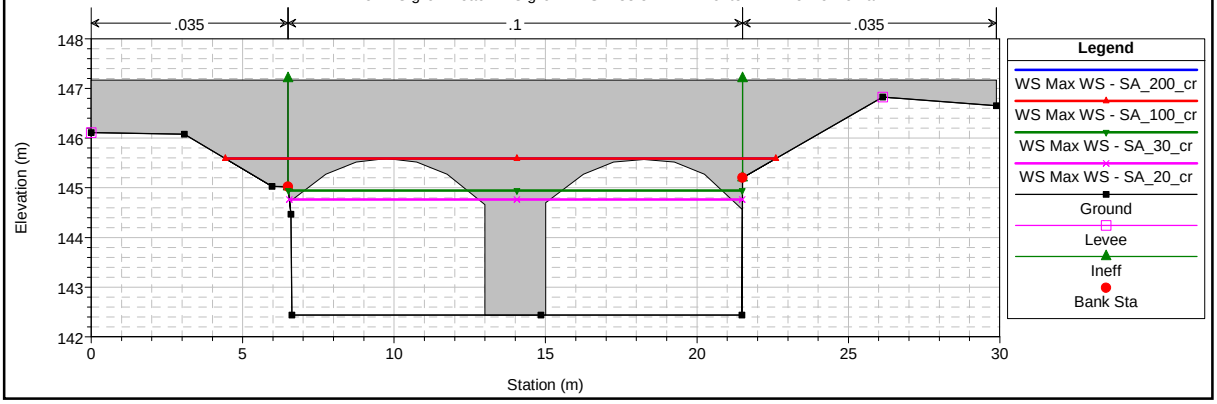
River = Giglio Reach = Giglio RS = 39 GI_PS_039

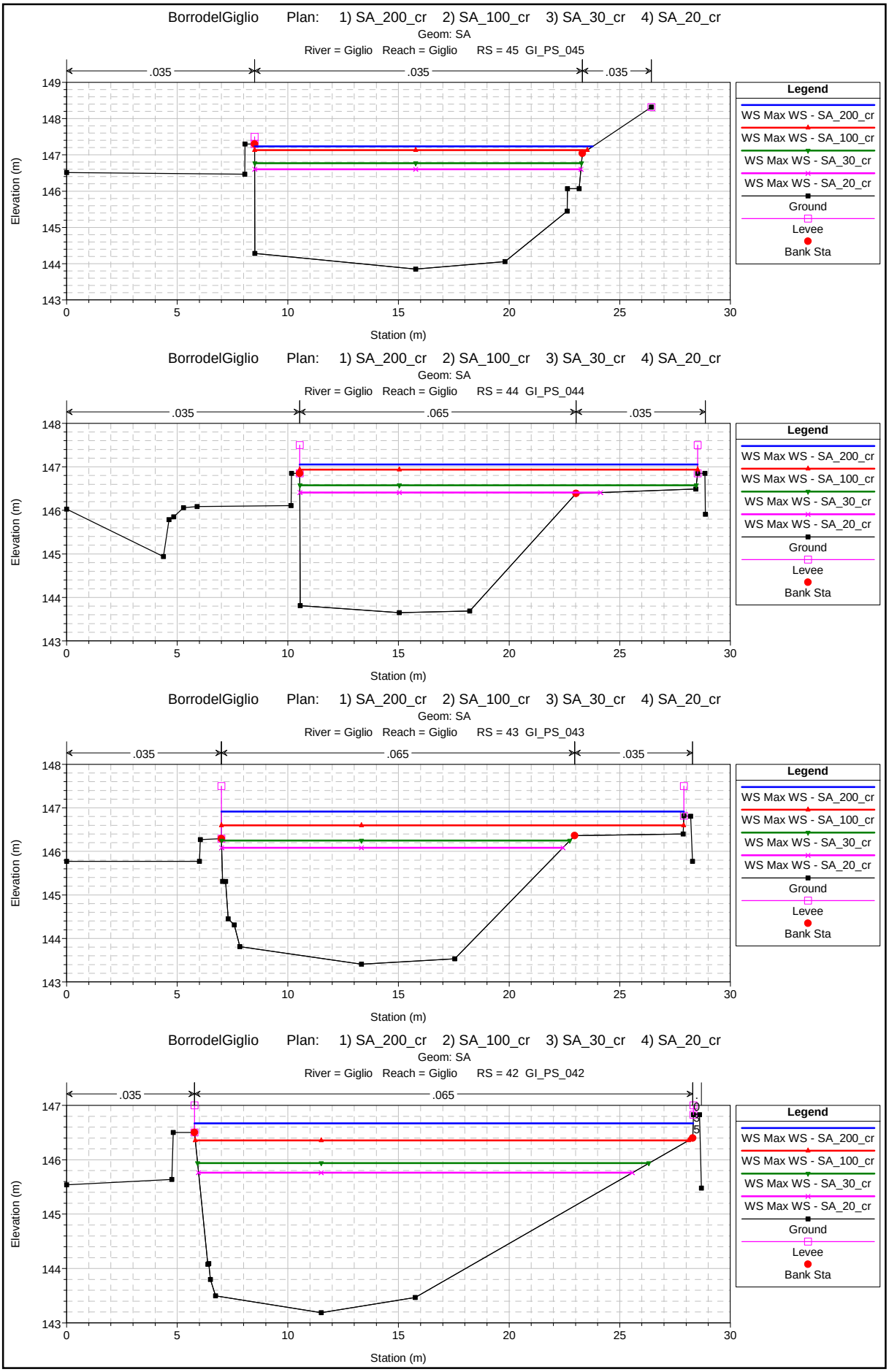


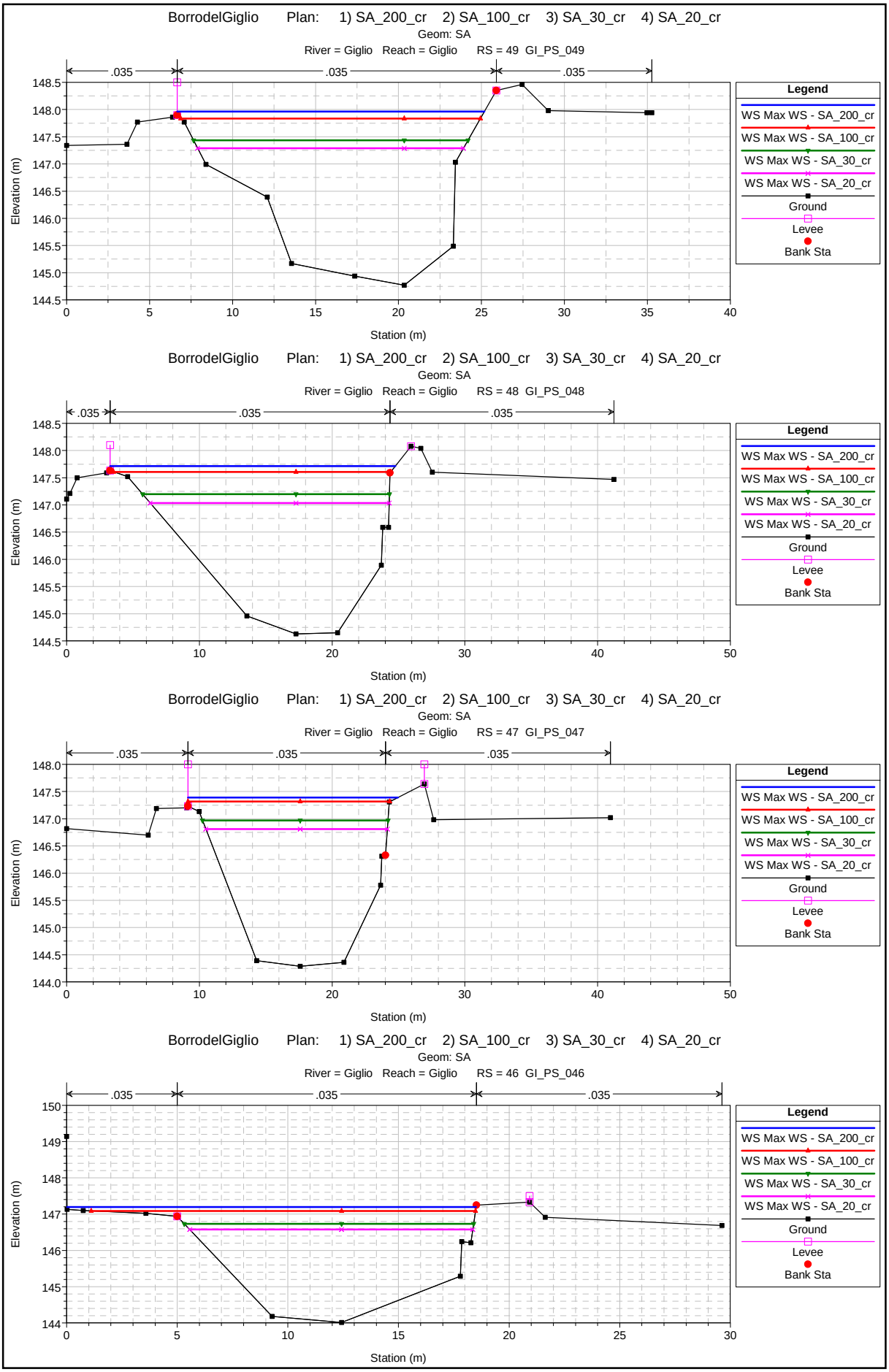
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr

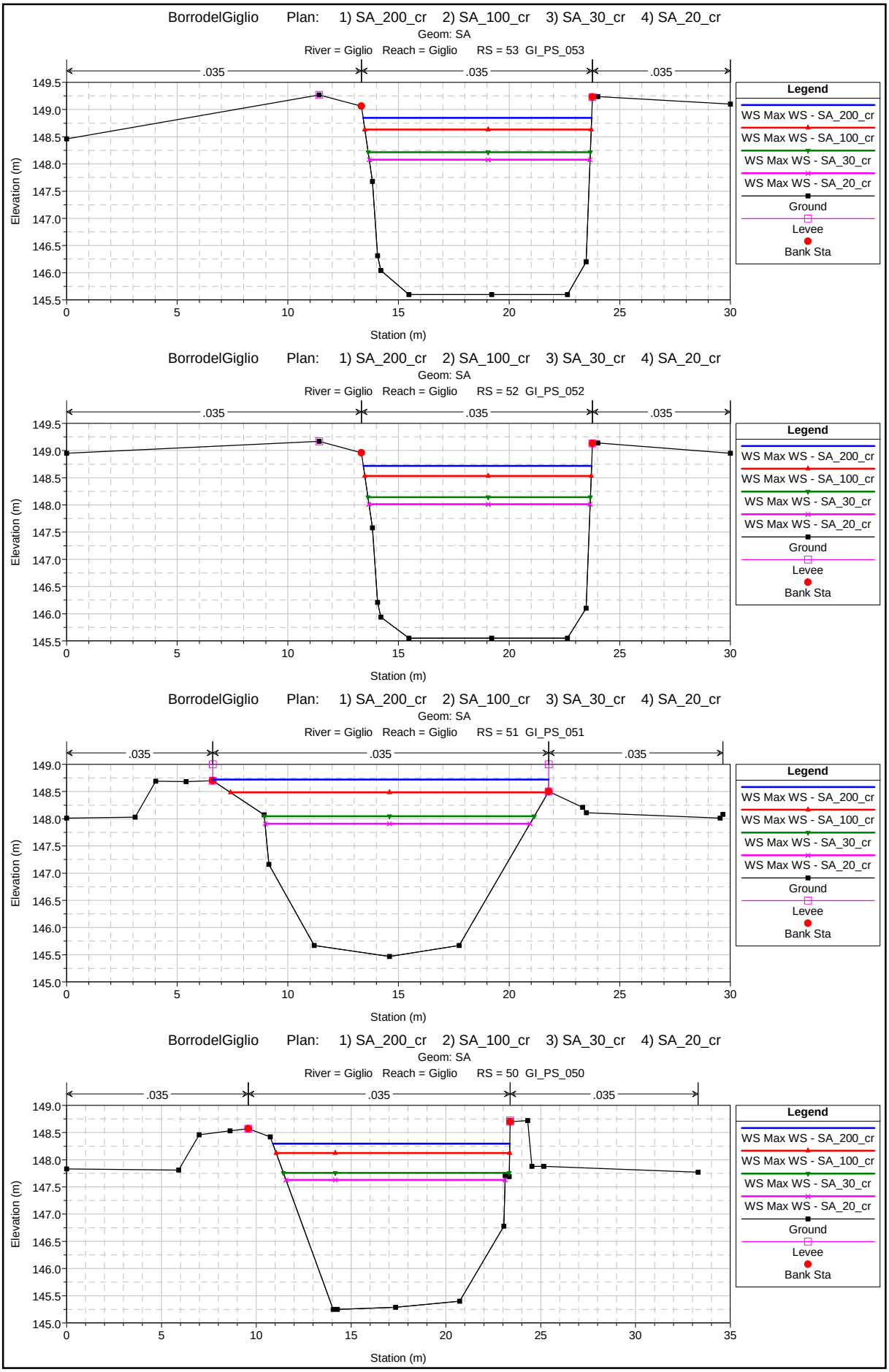
Geom: SA

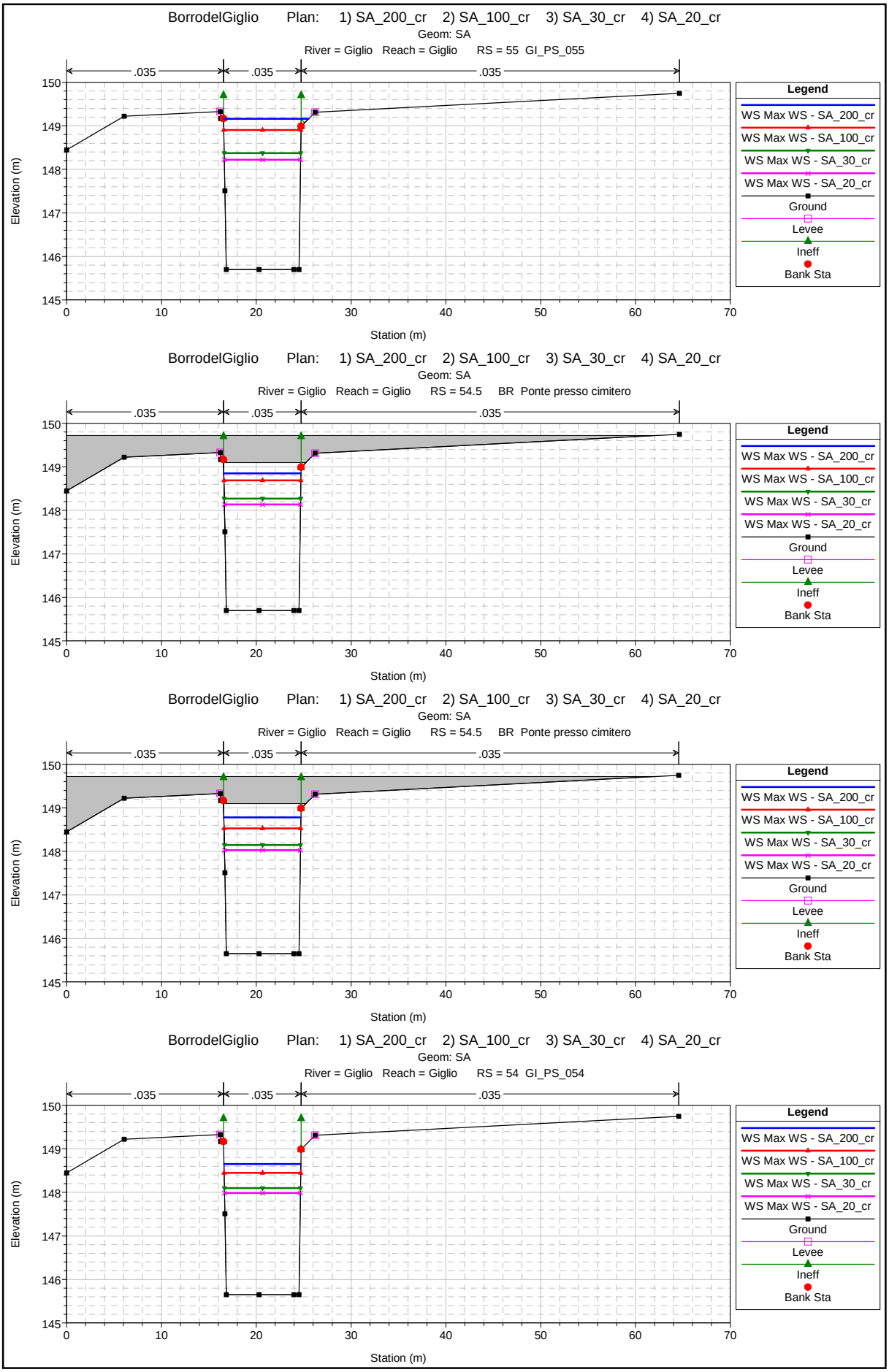
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma

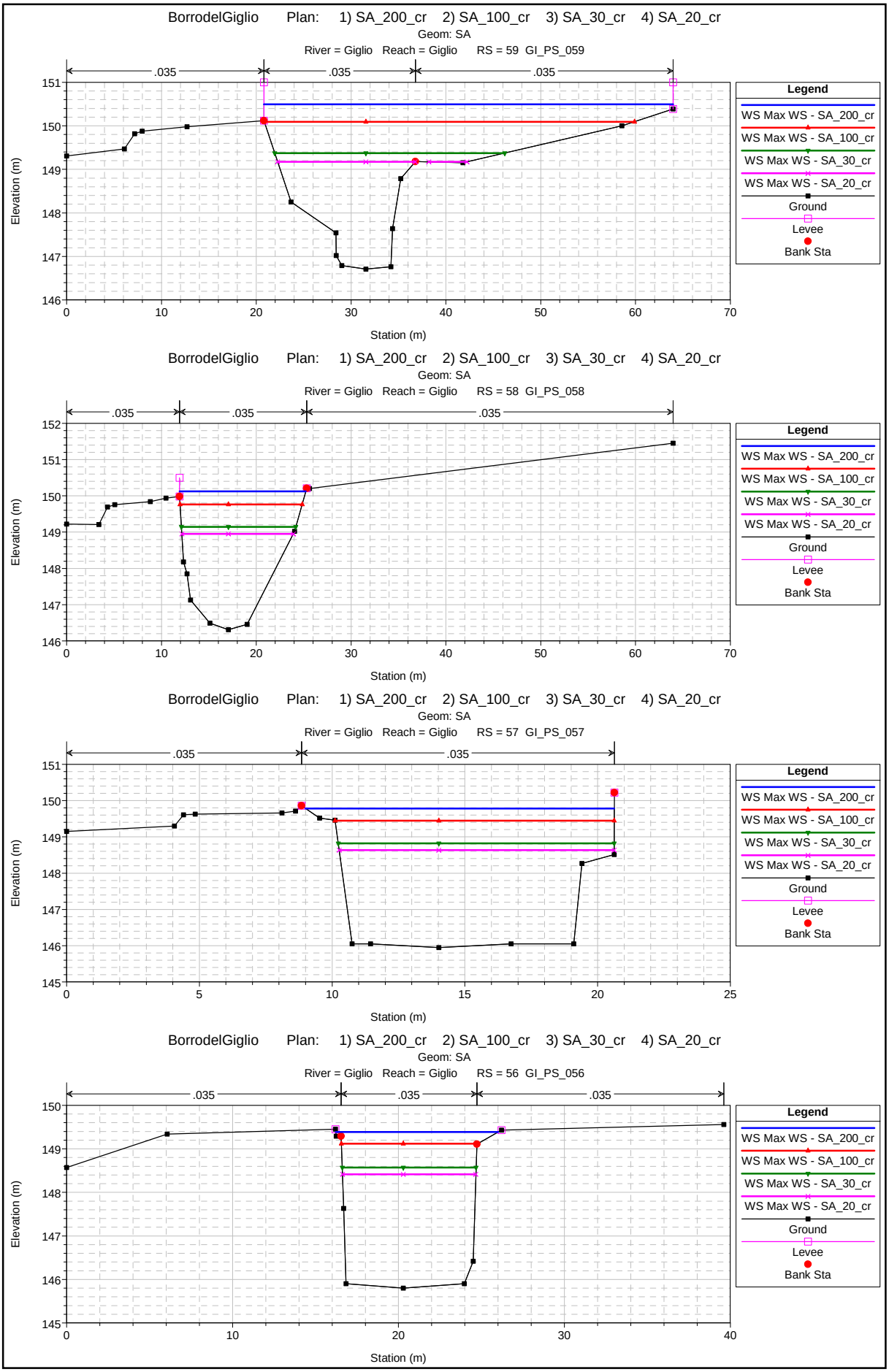


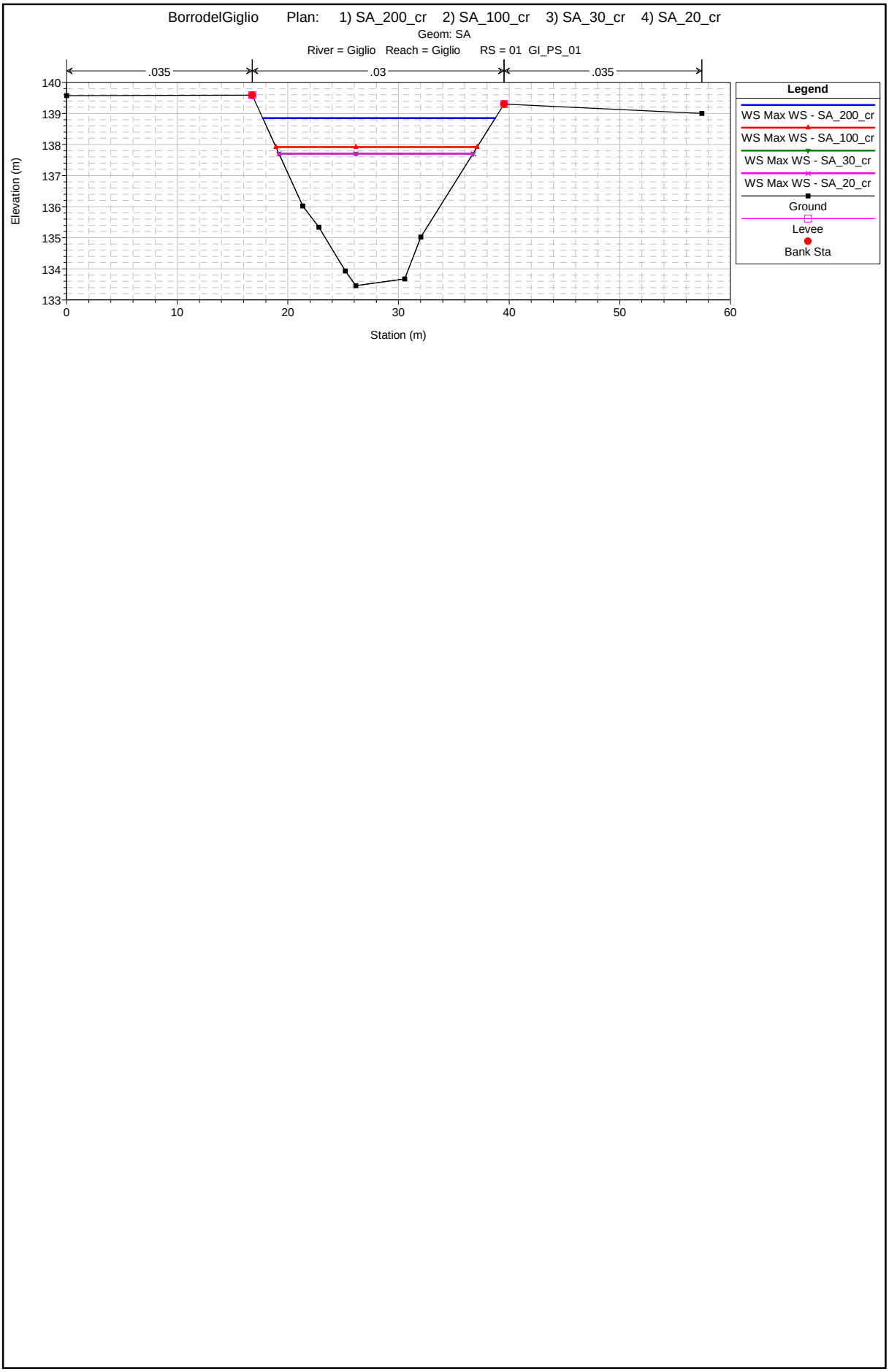

BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 45 GI_PS_045
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 44 GI_PS_044
.035
.065
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 43 GI_PS_043
.035
.065
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 42 GI_PS_042
.035
.065
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 49 GI_PS_049
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 48 GI_PS_048
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 47 GI_PS_047
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 46 GI_PS_046
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 53 GI_PS_053
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 52 GI_PS_052
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 51 GI_PS_051
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 50 GI_PS_050
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 55 GI_PS_055
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 54 GI_PS_054
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Ineff
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 59 GI_PS_059
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 58 GI_PS_058
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 57 GI_PS_057
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 56 GI_PS_056
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_cr 2) SA_100_cr 3) SA_30_cr 4) SA_20_cr
Geom: SA
River = Giglio Reach = Giglio RS = 01 GI_PS_01
.035
.03
.035
Elevation (m)
140
139
138
137
136
135
134
133
0
10
20
30
40
50
60
Station (m)
Legend
WS Max WS - SA_200_cr
WS Max WS - SA_100_cr
WS Max WS - SA_30_cr
WS Max WS - SA_20_cr
Ground
Levee
Bank Sta

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	59	Max WS	SA_200_cr	106.78	146.71	150.49		150.65	0.001552	1.94	66.27	43.17	0.38
Giglio	59	Max WS	SA_100_cr	89.49	146.71	150.09		150.30	0.002242	2.12	49.64	39.04	0.45
Giglio	59	Max WS	SA_30_cr	64.87	146.71	149.37		149.70	0.004766	2.55	26.65	24.28	0.63
Giglio	59	Max WS	SA_20_cr	57.87	146.71	149.17		149.52	0.005756	2.61	22.18	18.52	0.68
Giglio	58	Max WS	SA_200_cr	106.74	146.31	150.12		150.57	0.003779	2.95	36.18	13.34	0.57
Giglio	58	Max WS	SA_100_cr	89.49	146.31	149.77		150.18	0.003914	2.84	31.51	12.90	0.58
Giglio	58	Max WS	SA_30_cr	64.87	146.31	149.14		149.52	0.004610	2.73	23.72	12.07	0.62
Giglio	58	Max WS	SA_20_cr	57.87	146.31	148.95		149.32	0.004864	2.69	21.48	11.77	0.64
Giglio	57	Max WS	SA_200_cr	106.38	145.95	149.79		150.24	0.004366	3.00	35.50	11.63	0.55
Giglio	57	Max WS	SA_100_cr	89.49	145.95	149.45		149.85	0.003989	2.82	31.72	10.51	0.52
Giglio	57	Max WS	SA_30_cr	64.87	145.95	148.82		149.16	0.004067	2.58	25.17	10.39	0.53
Giglio	57	Max WS	SA_20_cr	57.86	145.95	148.64		148.95	0.004072	2.49	23.26	10.36	0.53
Giglio	56	Max WS	SA_200_cr	103.95	145.80	149.39		150.10	0.006825	3.73	28.01	9.78	0.65
Giglio	56	Max WS	SA_100_cr	89.49	145.80	149.12		149.74	0.006530	3.49	25.65	8.22	0.63
Giglio	56	Max WS	SA_30_cr	64.87	145.80	148.57		149.05	0.005813	3.06	21.19	8.07	0.60
Giglio	56	Max WS	SA_20_cr	57.86	145.80	148.41		148.84	0.005503	2.91	19.91	8.04	0.59
Giglio	55	Max WS	SA_200_cr	105.16	145.70	149.16	148.35	149.91	0.007657	3.84	27.42	8.98	0.67
Giglio	55	Max WS	SA_100_cr	89.49	145.70	148.90	148.09	149.54	0.007002	3.53	25.32	8.15	0.64
Giglio	55	Max WS	SA_30_cr	64.86	145.70	148.37	147.63	148.86	0.006177	3.09	21.00	8.07	0.61
Giglio	55	Max WS	SA_20_cr	57.86	145.70	148.22	147.49	148.66	0.005810	2.92	19.79	8.04	0.60
Giglio	54.5			Bridge									
Giglio	54	Max WS	SA_200_cr	107.01	145.65	148.65		149.69	0.012061	4.52	23.67	8.11	0.84
Giglio	54	Max WS	SA_100_cr	89.49	145.65	148.45		149.29	0.010299	4.06	22.02	8.08	0.79
Giglio	54	Max WS	SA_30_cr	64.86	145.65	148.10		148.68	0.007940	3.38	19.21	8.02	0.70
Giglio	54	Max WS	SA_20_cr	57.86	145.65	147.99		148.50	0.007257	3.16	18.29	8.01	0.67
Giglio	53	Max WS	SA_200_cr	106.95	145.60	148.85		149.45	0.005609	3.45	31.00	10.34	0.64
Giglio	53	Max WS	SA_100_cr	89.49	145.60	148.63		149.12	0.004823	3.11	28.80	10.24	0.59
Giglio	53	Max WS	SA_30_cr	64.86	145.60	148.21		148.57	0.003976	2.64	24.56	10.05	0.54
Giglio	53	Max WS	SA_20_cr	57.86	145.60	148.08		148.40	0.003724	2.49	23.19	9.98	0.52
Giglio	52	Max WS	SA_200_cr	106.91	145.55	148.72		149.35	0.005994	3.53	30.30	10.32	0.66

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	52	Max WS	SA_100_cr	89.49	145.55	148.53		149.04	0.005029	3.15	28.41	10.24	0.60
Giglio	52	Max WS	SA_30_cr	64.86	145.55	148.14		148.50	0.004055	2.66	24.42	10.06	0.54
Giglio	52	Max WS	SA_20_cr	57.86	145.55	148.01		148.33	0.003771	2.50	23.12	10.00	0.53
Giglio	51.9			Lat Struct									
Giglio	51.8			Lat Struct									
Giglio	51	Max WS	SA_200_cr	106.67	145.47	148.72		149.25	0.005531	3.23	33.03	15.19	0.70
Giglio	51	Max WS	SA_100_cr	89.49	145.47	148.48		148.95	0.005221	3.04	29.47	14.36	0.68
Giglio	51	Max WS	SA_30_cr	64.86	145.47	148.04		148.43	0.004631	2.74	23.67	12.20	0.63
Giglio	51	Max WS	SA_20_cr	57.86	145.47	147.91		148.26	0.004514	2.63	22.04	11.98	0.62
Giglio	50	Max WS	SA_200_cr	106.03	145.25	148.30		148.93	0.006255	3.52	30.16	12.50	0.72
Giglio	50	Max WS	SA_100_cr	89.49	145.25	148.12		148.64	0.005511	3.20	27.98	12.31	0.68
Giglio	50	Max WS	SA_30_cr	64.86	145.25	147.76		148.14	0.004733	2.75	23.57	11.91	0.62
Giglio	50	Max WS	SA_20_cr	57.85	145.25	147.63		147.98	0.004441	2.62	22.08	11.56	0.61
Giglio	49	Max WS	SA_200_cr	105.94	144.77	147.96		148.35	0.004155	2.75	38.48	18.51	0.61
Giglio	49	Max WS	SA_100_cr	89.49	144.77	147.83		148.15	0.003539	2.48	36.09	18.05	0.56
Giglio	49	Max WS	SA_30_cr	64.84	144.77	147.43		147.69	0.003345	2.22	29.22	16.54	0.53
Giglio	49	Max WS	SA_20_cr	57.85	144.77	147.29		147.53	0.003375	2.15	26.87	16.02	0.53
Giglio	48	Max WS	SA_200_cr	104.60	144.63	147.72		148.02	0.003275	2.45	42.70	21.49	0.55
Giglio	48	Max WS	SA_100_cr	89.48	144.63	147.61		147.86	0.002820	2.21	40.40	20.87	0.51
Giglio	48	Max WS	SA_30_cr	64.83	144.63	147.20		147.40	0.002613	2.00	32.45	18.60	0.48
Giglio	48	Max WS	SA_20_cr	57.84	144.63	147.03		147.23	0.002731	1.96	29.45	18.00	0.49
Giglio	47	Max WS	SA_200_cr	101.02	144.29	147.39		147.83	0.004086	2.95	34.39	15.82	0.62
Giglio	47	Max WS	SA_100_cr	88.65	144.29	147.31		147.68	0.003502	2.68	33.20	15.21	0.57
Giglio	47	Max WS	SA_30_cr	64.83	144.29	146.97		147.24	0.002905	2.31	28.16	13.98	0.52
Giglio	47	Max WS	SA_20_cr	57.83	144.29	146.81		147.06	0.002940	2.23	25.98	13.68	0.51
Giglio	46	Max WS	SA_200_cr	93.55	144.01	147.19		147.65	0.004637	3.01	31.73	18.49	0.63
Giglio	46	Max WS	SA_100_cr	86.58	144.01	147.09		147.53	0.004625	2.92	29.83	17.37	0.63
Giglio	46	Max WS	SA_30_cr	64.82	144.01	146.74		147.08	0.004359	2.61	24.85	13.08	0.60
Giglio	46	Max WS	SA_20_cr	57.83	144.01	146.58		146.90	0.004438	2.54	22.80	12.79	0.61

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	45	Max WS	SA_200_cr	93.45	143.85	147.23		147.46	0.001880	2.13	43.99	15.28	0.39
Giglio	45	Max WS	SA_100_cr	86.55	143.85	147.13		147.34	0.001795	2.04	42.48	15.04	0.38
Giglio	45	Max WS	SA_30_cr	64.82	143.85	146.77		146.92	0.001514	1.75	37.08	14.77	0.35
Giglio	45	Max WS	SA_20_cr	57.83	143.85	146.60		146.75	0.001474	1.67	34.65	14.74	0.35
Giglio	44.9			Lat Struct									
Giglio	44	Max WS	SA_200_cr	91.51	143.65	147.05		147.34	0.008867	2.42	38.70	17.98	0.46
Giglio	44	Max WS	SA_100_cr	86.53	143.65	146.94		147.23	0.009338	2.42	36.60	17.98	0.47
Giglio	44	Max WS	SA_30_cr	64.82	143.65	146.58		146.82	0.008939	2.19	30.13	17.92	0.46
Giglio	44	Max WS	SA_20_cr	57.82	143.65	146.41		146.64	0.009086	2.12	27.35	13.59	0.46
Giglio	43	Max WS	SA_200_cr	79.81	143.41	146.92		147.06	0.003906	1.70	47.96	20.90	0.32
Giglio	43	Max WS	SA_100_cr	84.67	143.41	146.60		146.82	0.006738	2.08	41.31	20.88	0.42
Giglio	43	Max WS	SA_30_cr	64.81	143.41	146.25		146.43	0.006363	1.87	34.65	15.74	0.40
Giglio	43	Max WS	SA_20_cr	57.82	143.41	146.08		146.25	0.006290	1.80	32.10	15.42	0.40
Giglio	42	Max WS	SA_200_cr	90.88	143.19	146.67		146.81	0.004456	1.69	53.64	22.54	0.35
Giglio	42	Max WS	SA_100_cr	81.20	143.19	146.35		146.51	0.005533	1.74	46.60	22.29	0.38
Giglio	42	Max WS	SA_30_cr	64.81	143.19	145.94		146.09	0.006300	1.72	37.67	20.40	0.40
Giglio	42	Max WS	SA_20_cr	57.82	143.19	145.76		145.91	0.006562	1.69	34.16	19.60	0.41
Giglio	41	Max WS	SA_200_cr	95.34	142.76	146.02		146.47	0.010166	3.00	32.19	14.06	0.59
Giglio	41	Max WS	SA_100_cr	81.20	142.76	145.74		146.16	0.010707	2.89	28.25	13.50	0.60
Giglio	41	Max WS	SA_30_cr	64.81	142.76	145.23		145.67	0.013850	2.94	22.07	11.48	0.68
Giglio	41	Max WS	SA_20_cr	57.81	142.76	145.05		145.47	0.014460	2.89	20.03	11.17	0.69
Giglio	40	Max WS	SA_200_cr	95.34	142.60	146.12		146.28	0.002764	1.81	54.11	20.25	0.31
Giglio	40	Max WS	SA_100_cr	81.20	142.60	145.81		145.96	0.002811	1.71	48.14	18.48	0.31
Giglio	40	Max WS	SA_30_cr	64.81	142.60	145.26		145.40	0.003438	1.67	38.82	15.54	0.33
Giglio	40	Max WS	SA_20_cr	57.81	142.60	145.06		145.19	0.003508	1.62	35.75	14.74	0.33
Giglio	39	Max WS	SA_200_cr	95.34	142.44	146.01	144.05	146.17	0.008819	1.79	53.22	20.52	0.30
Giglio	39	Max WS	SA_100_cr	81.20	142.44	145.71	143.89	145.85	0.008590	1.67	48.71	18.83	0.30
Giglio	39	Max WS	SA_30_cr	64.81	142.44	145.13	143.69	145.27	0.010387	1.61	40.14	15.82	0.32
Giglio	39	Max WS	SA_20_cr	57.81	142.44	144.93	143.60	145.05	0.010594	1.56	37.04	14.98	0.32
Giglio	38.5			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	38	Max WS	SA_200_cr	95.31	142.35	144.62		145.02	0.037361	2.80	34.03	14.99	0.59
Giglio	38	Max WS	SA_100_cr	81.20	142.35	144.36		144.73	0.039690	2.70	30.02	14.99	0.61
Giglio	38	Max WS	SA_30_cr	64.80	142.35	144.06		144.39	0.041227	2.53	25.60	14.99	0.62
Giglio	38	Max WS	SA_20_cr	57.79	142.35	143.93		144.24	0.041656	2.44	23.70	14.99	0.62
Giglio	37	Max WS	SA_200_cr	95.27	142.20	144.18		144.70	0.005079	3.21	29.71	15.03	0.73
Giglio	37	Max WS	SA_100_cr	81.19	142.20	143.83		144.39	0.006742	3.32	24.42	15.02	0.83
Giglio	37	Max WS	SA_30_cr	64.79	142.20	143.50		144.06	0.008601	3.32	19.54	15.02	0.93
Giglio	37	Max WS	SA_20_cr	56.89	142.20	143.42		143.91	0.008239	3.12	18.24	15.02	0.90
Giglio	36	Max WS	SA_200_cr	95.29	141.85	144.45		144.62	0.001161	1.84	51.76	20.02	0.37
Giglio	36	Max WS	SA_100_cr	81.19	141.85	144.09		144.26	0.001340	1.82	44.50	19.99	0.39
Giglio	36	Max WS	SA_30_cr	64.78	141.85	143.66		143.83	0.001652	1.80	35.98	19.96	0.43
Giglio	36	Max WS	SA_20_cr	58.37	141.85	143.48		143.65	0.001857	1.80	32.44	19.94	0.45
Giglio	35	Max WS	SA_200_cr	95.29	141.70	144.44	143.03	144.60	0.000534	1.75	54.46	19.96	0.34
Giglio	35	Max WS	SA_100_cr	81.19	141.70	144.07	142.89	144.22	0.000602	1.72	47.16	19.93	0.36
Giglio	35	Max WS	SA_30_cr	64.78	141.70	143.64	142.73	143.78	0.000718	1.68	38.51	19.90	0.39
Giglio	35	Max WS	SA_20_cr	58.07	141.70	143.45	142.66	143.59	0.000792	1.67	34.80	19.89	0.40
Giglio	34.5			Bridge									
Giglio	34	Max WS	SA_200_cr	95.29	141.60	144.39		144.53	0.000475	1.68	56.84	20.86	0.32
Giglio	34	Max WS	SA_100_cr	81.19	141.60	144.04		144.18	0.000521	1.63	49.66	20.74	0.34
Giglio	34	Max WS	SA_30_cr	64.78	141.60	143.62		143.75	0.000604	1.58	40.89	20.59	0.36
Giglio	34	Max WS	SA_20_cr	57.94	141.60	143.43		143.55	0.000659	1.56	37.03	20.52	0.37
Giglio	33	Max WS	SA_200_cr	95.29	141.50	144.37		144.50	0.000810	1.63	58.47	20.89	0.31
Giglio	33	Max WS	SA_100_cr	81.18	141.50	144.02		144.15	0.000879	1.58	51.25	20.76	0.32
Giglio	33	Max WS	SA_30_cr	64.78	141.50	143.59		143.71	0.001006	1.53	42.38	20.62	0.34
Giglio	33	Max WS	SA_20_cr	57.85	141.50	143.40		143.52	0.001085	1.50	38.46	20.55	0.35
Giglio	32	Max WS	SA_200_cr	95.28	141.00	144.19		144.46	0.001728	2.32	41.47	18.17	0.48
Giglio	32	Max WS	SA_100_cr	81.18	141.00	143.83		144.10	0.002095	2.32	35.01	17.49	0.51
Giglio	32	Max WS	SA_30_cr	64.77	141.00	143.38		143.66	0.002553	2.34	27.73	15.28	0.55
Giglio	32	Max WS	SA_20_cr	57.83	141.00	143.18		143.46	0.002771	2.33	24.78	14.57	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	31	Max WS	SA_200_cr	95.27	140.55	143.65		144.16	0.003813	3.15	30.23	9.75	0.57
Giglio	31	Max WS	SA_100_cr	81.18	140.55	143.31		143.77	0.003862	3.02	26.88	9.75	0.58
Giglio	31	Max WS	SA_30_cr	64.77	140.55	142.88		143.29	0.003998	2.85	22.70	9.75	0.60
Giglio	31	Max WS	SA_20_cr	57.81	140.55	142.69		143.08	0.004097	2.78	20.82	9.75	0.61
Giglio	30	Max WS	SA_200_cr	95.28	140.40	143.63		144.04	0.002911	2.85	33.48	10.37	0.51
Giglio	30	Max WS	SA_100_cr	81.18	140.40	143.28		143.66	0.002928	2.72	29.85	10.37	0.51
Giglio	30	Max WS	SA_30_cr	64.77	140.40	142.84		143.18	0.003004	2.56	25.29	10.37	0.52
Giglio	30	Max WS	SA_20_cr	57.80	140.40	142.64		142.96	0.003066	2.49	23.23	10.37	0.53
Giglio	29	Max WS	SA_200_cr	95.27	140.23	143.69	142.15	143.99	0.001003	2.40	39.64	11.46	0.41
Giglio	29	Max WS	SA_100_cr	81.18	140.23	143.33	141.95	143.60	0.000994	2.28	35.54	11.46	0.41
Giglio	29	Max WS	SA_30_cr	64.77	140.23	142.89	141.71	143.12	0.000993	2.13	30.40	11.45	0.42
Giglio	29	Max WS	SA_20_cr	57.80	140.23	142.68	141.60	142.90	0.000997	2.06	28.08	11.45	0.42
Giglio	28.5			Bridge									
Giglio	28	Max WS	SA_200_cr	95.27	140.10	143.75		143.96	0.000679	2.07	46.03	12.65	0.35
Giglio	28	Max WS	SA_100_cr	81.18	140.10	143.38		143.58	0.000666	1.96	41.45	12.65	0.35
Giglio	28	Max WS	SA_30_cr	64.77	140.10	142.93		143.10	0.000654	1.81	35.69	12.65	0.34
Giglio	28	Max WS	SA_20_cr	57.79	140.10	142.72		142.88	0.000650	1.75	33.09	12.65	0.34
Giglio	27	Max WS	SA_200_cr	95.28	140.00	143.69		143.94	0.001422	2.18	43.80	11.87	0.36
Giglio	27	Max WS	SA_100_cr	81.18	140.00	143.34		143.55	0.001379	2.05	39.56	11.86	0.36
Giglio	27	Max WS	SA_30_cr	64.77	140.00	142.89		143.07	0.001331	1.89	34.22	11.86	0.36
Giglio	27	Max WS	SA_20_cr	57.79	140.00	142.68		142.85	0.001311	1.82	31.80	11.86	0.35
Giglio	26	Max WS	SA_200_cr	95.27	139.90	143.45		143.88	0.003035	2.92	32.64	9.20	0.49
Giglio	26	Max WS	SA_100_cr	81.18	139.90	143.12		143.50	0.002891	2.74	29.59	9.20	0.49
Giglio	26	Max WS	SA_30_cr	64.77	139.90	142.70		143.02	0.002723	2.52	25.74	9.20	0.48
Giglio	26	Max WS	SA_20_cr	57.79	139.90	142.51		142.80	0.002647	2.41	23.99	9.20	0.48
Giglio	25	Max WS	SA_200_cr	95.27	139.85	142.98		143.80	0.007011	4.00	23.81	7.60	0.72
Giglio	25	Max WS	SA_100_cr	81.18	139.85	142.70		143.42	0.006566	3.74	21.70	7.60	0.71
Giglio	25	Max WS	SA_30_cr	64.76	139.85	142.35		142.94	0.006052	3.41	18.99	7.60	0.69
Giglio	25	Max WS	SA_20_cr	57.78	139.85	142.19		142.73	0.005819	3.25	17.76	7.60	0.68
Giglio	24	Max WS	SA_200_cr	95.27	139.75	142.54		143.59	0.009850	4.53	21.03	7.54	0.87

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	24	Max WS	SA_100_cr	81.18	139.75	142.30		143.21	0.009185	4.22	19.22	7.54	0.84
Giglio	24	Max WS	SA_30_cr	64.76	139.75	142.00		142.74	0.008404	3.83	16.89	7.54	0.82
Giglio	24	Max WS	SA_20_cr	57.78	139.75	141.86		142.53	0.008034	3.65	15.84	7.54	0.80
Giglio	23	Max WS	SA_200_cr	95.27	139.60	142.65		143.04	0.002772	2.77	34.43	11.32	0.51
Giglio	23	Max WS	SA_100_cr	81.18	139.60	142.37		142.72	0.002660	2.60	31.25	11.31	0.50
Giglio	23	Max WS	SA_30_cr	64.76	139.60	142.00		142.29	0.002574	2.39	27.07	11.30	0.49
Giglio	23	Max WS	SA_20_cr	57.78	139.60	141.83		142.10	0.002538	2.30	25.17	11.30	0.49
Giglio	22	Max WS	SA_200_cr	95.27	139.50	142.42		142.92	0.003763	3.11	30.59	10.59	0.58
Giglio	22	Max WS	SA_100_cr	81.18	139.50	142.16		142.60	0.003585	2.92	27.82	10.56	0.57
Giglio	22	Max WS	SA_30_cr	64.76	139.50	141.81		142.18	0.003458	2.69	24.12	10.53	0.57
Giglio	22	Max WS	SA_20_cr	57.78	139.50	141.65		141.99	0.003405	2.58	22.43	10.51	0.56
Giglio	21	Max WS	SA_200_cr	95.27	139.22	142.33		142.73	0.002851	2.81	33.96	10.96	0.51
Giglio	21	Max WS	SA_100_cr	81.18	139.22	142.08		142.42	0.002652	2.61	31.15	10.96	0.49
Giglio	21	Max WS	SA_30_cr	64.76	139.22	141.73		142.01	0.002468	2.37	27.32	10.96	0.48
Giglio	21	Max WS	SA_20_cr	57.77	139.22	141.57		141.83	0.002384	2.26	25.57	10.96	0.47
Giglio	20	Max WS	SA_200_cr	95.27	139.20	142.22		142.65	0.003136	2.90	32.81	10.93	0.53
Giglio	20	Max WS	SA_100_cr	81.17	139.20	141.97		142.34	0.002908	2.69	30.13	10.92	0.52
Giglio	20	Max WS	SA_30_cr	64.75	139.20	141.63		141.94	0.002711	2.45	26.42	10.90	0.50
Giglio	20	Max WS	SA_20_cr	57.77	139.20	141.48		141.76	0.002620	2.34	24.73	10.90	0.50
Giglio	19	Max WS	SA_200_cr	95.27	139.10	142.04		142.50	0.003415	3.00	31.81	10.86	0.56
Giglio	19	Max WS	SA_100_cr	81.15	139.10	141.81		142.20	0.003120	2.76	29.36	10.85	0.54
Giglio	19	Max WS	SA_30_cr	64.74	139.10	141.49		141.81	0.002877	2.51	25.84	10.84	0.52
Giglio	19	Max WS	SA_20_cr	57.77	139.10	141.34		141.63	0.002765	2.38	24.24	10.84	0.51
Giglio	18	Max WS	SA_200_cr	95.27	139.04	141.89		142.38	0.003729	3.09	30.86	10.83	0.58
Giglio	18	Max WS	SA_100_cr	81.14	139.04	141.69		142.10	0.003358	2.83	28.63	10.83	0.56
Giglio	18	Max WS	SA_30_cr	64.72	139.04	141.38		141.71	0.003070	2.56	25.28	10.83	0.53
Giglio	18	Max WS	SA_20_cr	57.77	139.04	141.23		141.54	0.002941	2.43	23.74	10.83	0.52
Giglio	17	Max WS	SA_200_cr	95.27	139.00	141.74		142.29	0.004469	3.30	28.88	10.60	0.64
Giglio	17	Max WS	SA_100_cr	81.13	139.00	141.56		142.02	0.003949	3.01	26.98	10.60	0.60
Giglio	17	Max WS	SA_30_cr	64.70	139.00	141.27		141.64	0.003578	2.71	23.89	10.59	0.58
Giglio	17	Max WS	SA_20_cr	57.77	139.00	141.13		141.47	0.003418	2.57	22.47	10.59	0.56

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	16	Max WS	SA_200_cr	95.27	138.95	141.32		142.23	0.008701	4.22	22.55	10.34	0.91
Giglio	16	Max WS	SA_100_cr	81.03	138.95	141.17		141.93	0.007734	3.85	21.02	10.31	0.86
Giglio	16	Max WS	SA_30_cr	64.63	138.95	140.92		141.55	0.007302	3.51	18.40	10.26	0.84
Giglio	16	Max WS	SA_20_cr	57.77	138.95	140.80		141.38	0.007145	3.36	17.19	10.24	0.83
Giglio	15	Max WS	SA_200_cr	95.27	138.81	141.08		141.88	0.007582	3.96	24.03	10.67	0.84
Giglio	15	Max WS	SA_100_cr	81.83	138.81	140.99		141.63	0.006374	3.56	22.99	10.66	0.77
Giglio	15	Max WS	SA_30_cr	65.33	138.81	140.75		141.27	0.005702	3.19	20.50	10.64	0.73
Giglio	15	Max WS	SA_20_cr	57.76	138.81	140.64		141.10	0.005340	2.99	19.30	10.63	0.71
Giglio	14	Max WS	SA_200_cr	95.26	138.65	141.22	140.55	141.74	0.002301	3.20	29.76	11.60	0.64
Giglio	14	Max WS	SA_100_cr	81.61	138.65	141.11	140.37	141.53	0.001905	2.86	28.56	11.60	0.58
Giglio	14	Max WS	SA_30_cr	65.12	138.65	140.85	140.12	141.18	0.001683	2.55	25.55	11.60	0.55
Giglio	14	Max WS	SA_20_cr	57.77	138.65	140.73	140.01	141.02	0.001570	2.39	24.14	11.60	0.53
Giglio	13.5			Bridge									
Giglio	13	Max WS	SA_200_cr	95.26	138.60	141.18		141.69	0.002275	3.19	29.87	11.60	0.63
Giglio	13	Max WS	SA_100_cr	81.44	138.60	141.08		141.49	0.001856	2.83	28.77	11.60	0.57
Giglio	13	Max WS	SA_30_cr	64.97	138.60	140.83		141.15	0.001624	2.52	25.83	11.60	0.54
Giglio	13	Max WS	SA_20_cr	57.77	138.60	140.71		140.99	0.001508	2.36	24.46	11.60	0.52
Giglio	12	Max WS	SA_200_cr	95.26	138.44	140.77		141.63	0.008246	4.13	23.07	10.02	0.87
Giglio	12	Max WS	SA_100_cr	81.33	138.44	140.78		141.40	0.005922	3.51	23.19	10.02	0.74
Giglio	12	Max WS	SA_30_cr	64.88	138.44	140.61		141.07	0.004680	3.01	21.53	10.00	0.66
Giglio	12	Max WS	SA_20_cr	57.77	138.44	140.53		140.93	0.004156	2.79	20.71	10.00	0.62
Giglio	11	Max WS	SA_200_cr	95.27	138.30	139.28	140.39	144.04	0.108562	9.67	9.85	10.19	3.14
Giglio	11	Max WS	SA_100_cr	81.18	138.30	139.13	140.18	143.97	0.133320	9.75	8.33	10.16	3.44
Giglio	11	Max WS	SA_30_cr	64.80	138.30	138.99	139.92	143.43	0.150803	9.33	6.94	10.12	3.60
Giglio	11	Max WS	SA_20_cr	57.77	138.30	138.94	139.80	143.09	0.155441	9.03	6.40	10.11	3.62
Giglio	10.99			Lat Struct									
Giglio	10	Max WS	SA_200_cr	96.85	135.99	139.21		139.52	0.002229	2.50	38.74	14.40	0.49
Giglio	10	Max WS	SA_100_cr	82.49	135.99	138.86		139.16	0.002429	2.44	33.75	14.21	0.51
Giglio	10	Max WS	SA_30_cr	65.79	135.99	138.53		138.79	0.002390	2.26	29.16	14.03	0.50

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

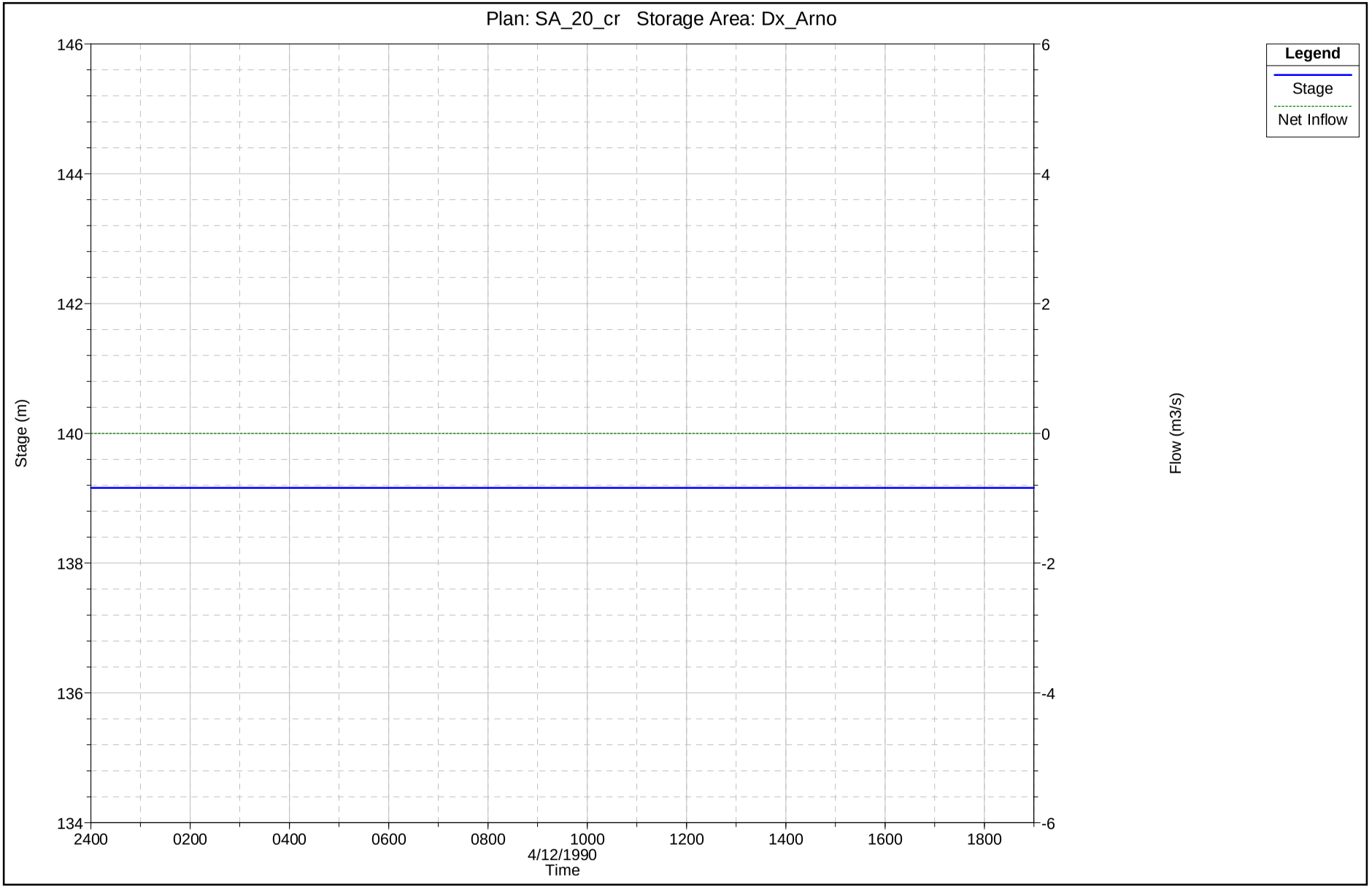
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	10	Max WS	SA_20_cr	58.67	135.99	138.41		138.65	0.002271	2.13	27.49	13.97	0.49
Giglio	09	Max WS	SA_200_cr	96.85	135.76	138.92		139.33	0.003216	2.87	33.79	16.02	0.63
Giglio	09	Max WS	SA_100_cr	82.05	135.76	138.41		138.92	0.005064	3.17	25.86	15.13	0.77
Giglio	09	Max WS	SA_30_cr	65.74	135.76	137.99		138.56	0.007474	3.34	19.68	14.67	0.92
Giglio	09	Max WS	SA_20_cr	58.65	135.76	137.88		138.42	0.007634	3.24	18.12	14.49	0.92
Giglio	08	Max WS	SA_200_cr	60.59	135.29	138.78		138.98	0.001445	1.96	30.99	14.08	0.42
Giglio	08	Max WS	SA_100_cr	82.44	135.29	137.91	137.92	138.79	0.008827	4.15	19.89	11.51	1.01
Giglio	08	Max WS	SA_30_cr	40.50	135.29	137.59		137.91	0.003614	2.48	16.36	10.56	0.63
Giglio	08	Max WS	SA_20_cr	30.49	135.29	137.66		137.82	0.001844	1.79	17.01	10.74	0.45
Giglio	07	Max WS	SA_200_cr	60.60	135.14	138.85		138.95	0.000688	1.41	42.97	18.56	0.30
Giglio	07	Max WS	SA_100_cr	62.37	135.14	137.91		138.17	0.002183	2.23	27.99	14.43	0.51
Giglio	07	Max WS	SA_30_cr	40.49	135.14	137.71		137.84	0.001253	1.61	25.08	13.87	0.38
Giglio	07	Max WS	SA_20_cr	30.49	135.14	137.71		137.78	0.000709	1.21	25.10	13.88	0.29
Giglio	06	Max WS	SA_200_cr	60.59	134.66	138.85		138.93	0.000547	1.30	46.72	18.56	0.26
Giglio	06	Max WS	SA_100_cr	64.10	134.66	137.92		138.13	0.001595	2.01	31.89	14.46	0.43
Giglio	06	Max WS	SA_30_cr	40.49	134.66	137.71		137.81	0.000835	1.40	28.92	13.92	0.31
Giglio	06	Max WS	SA_20_cr	30.49	134.66	137.71		137.77	0.000475	1.06	28.89	13.91	0.23
Giglio	05	Max WS	SA_200_cr	60.60	134.03	138.87		138.92	0.000262	0.95	63.71	24.42	0.19
Giglio	05	Max WS	SA_100_cr	82.41	134.03	138.03		138.20	0.001351	1.86	44.31	21.35	0.41
Giglio	05	Max WS	SA_30_cr	40.49	134.03	137.74		137.80	0.000494	1.06	38.32	20.30	0.25
Giglio	05	Max WS	SA_20_cr	30.49	134.03	137.73		137.76	0.000286	0.80	38.05	20.25	0.19
Giglio	04	Max WS	SA_200_cr	60.60	133.96	138.87		138.91	0.000239	0.92	65.63	24.76	0.18
Giglio	04	Max WS	SA_100_cr	82.40	133.96	138.00		138.17	0.001234	1.80	45.74	21.45	0.39
Giglio	04	Max WS	SA_30_cr	40.49	133.96	137.73		137.78	0.000437	1.01	40.02	20.51	0.23
Giglio	04	Max WS	SA_20_cr	30.48	133.96	137.72		137.75	0.000251	0.77	39.82	20.48	0.18
Giglio	03	Max WS	SA_200_cr	60.58	133.62	138.85		138.91	0.000245	1.01	60.09	20.91	0.18
Giglio	03	Max WS	SA_100_cr	82.40	133.62	137.94		138.13	0.001115	1.90	43.48	17.06	0.38
Giglio	03	Max WS	SA_30_cr	40.48	133.62	137.72		137.77	0.000347	1.02	39.69	16.52	0.21
Giglio	03	Max WS	SA_20_cr	30.47	133.62	137.71		137.74	0.000197	0.77	39.64	16.51	0.16
Giglio	02	Max WS	SA_200_cr	60.58	133.58	138.85		138.90	0.000234	0.99	60.92	19.25	0.18

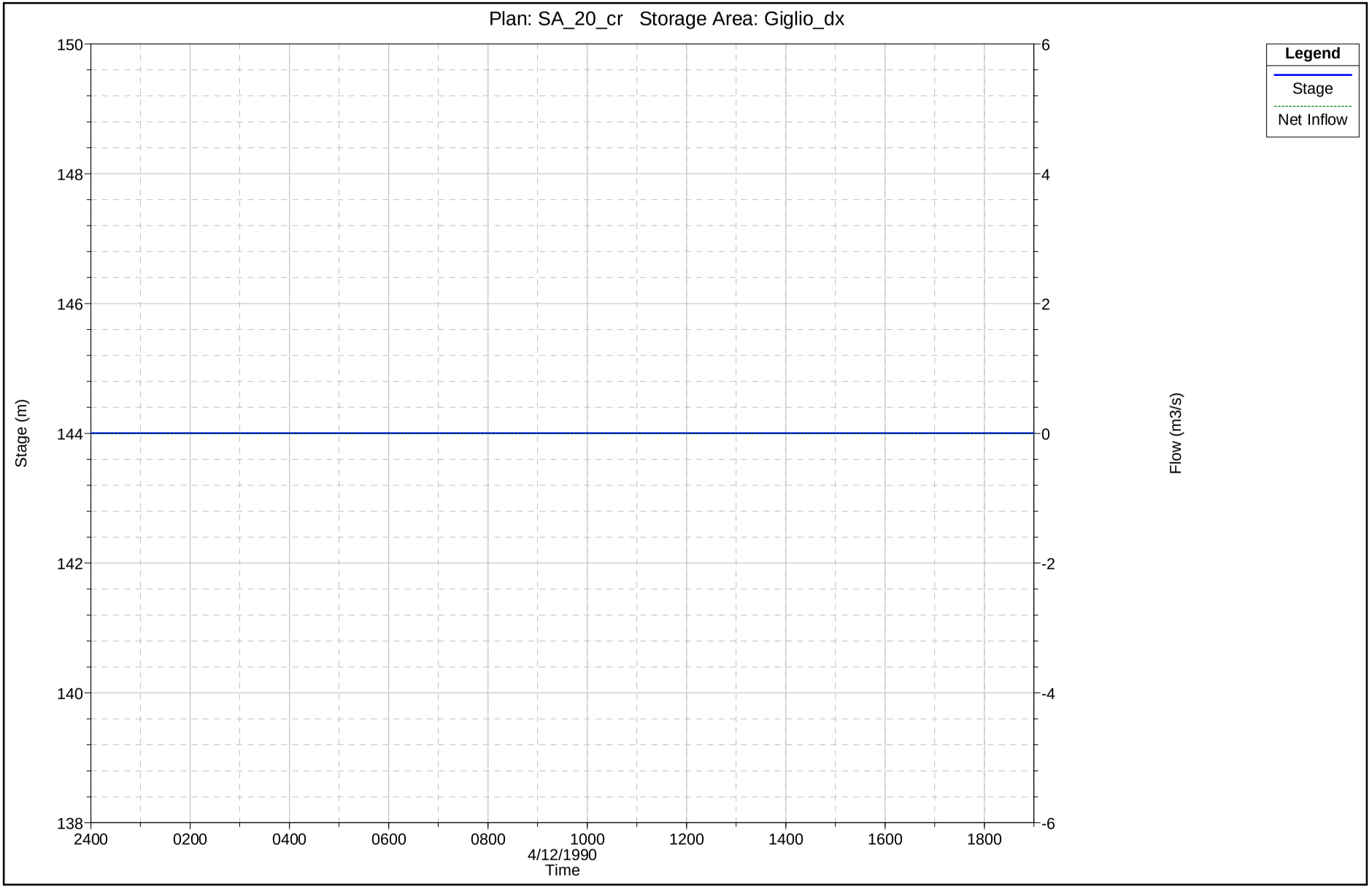
HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

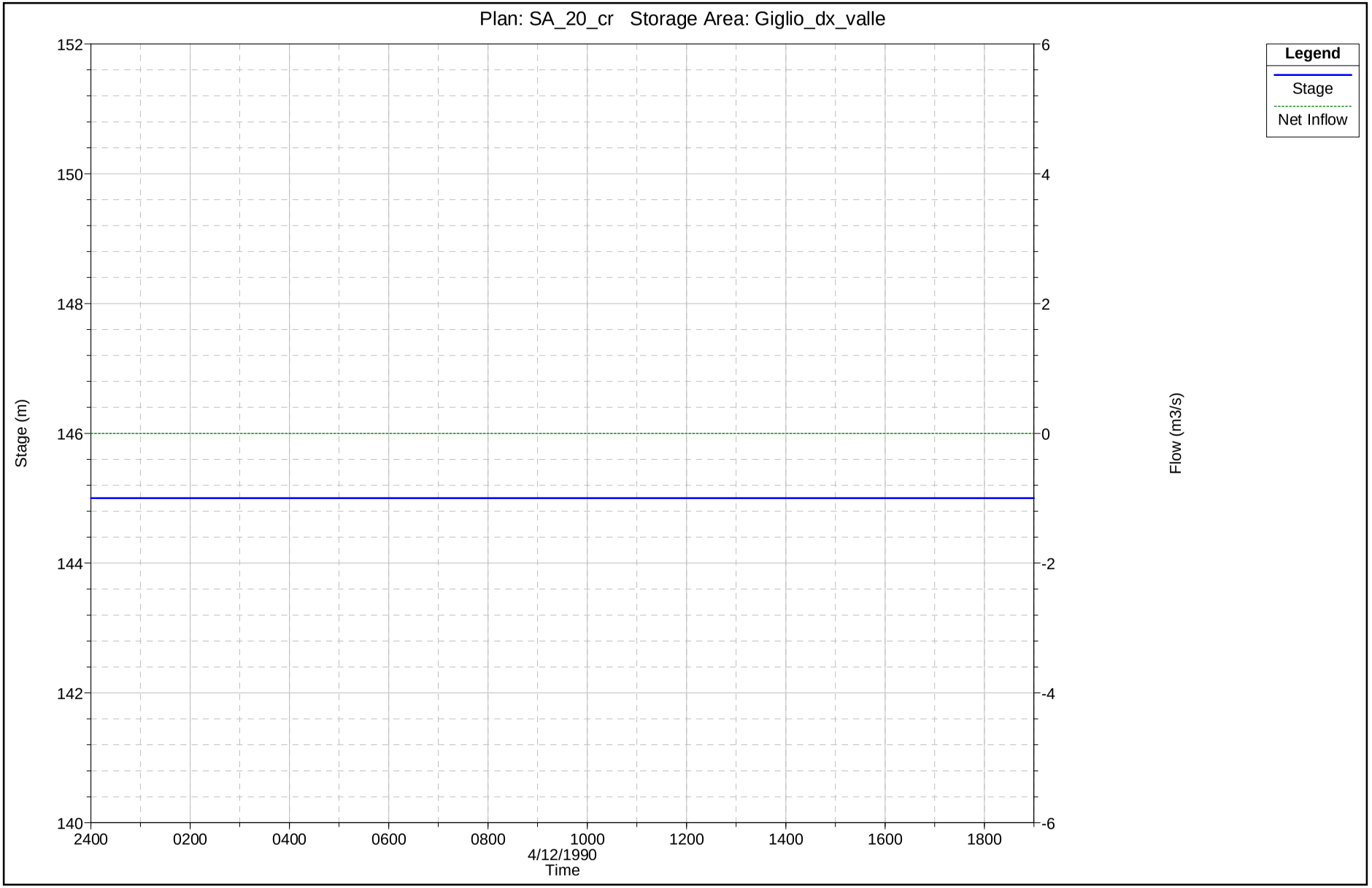
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	02	Max WS	SA_100_cr	61.55	133.58	137.92		138.02	0.000591	1.40	44.05	17.00	0.28
Giglio	02	Max WS	SA_30_cr	40.48	133.58	137.71		137.76	0.000322	1.00	40.56	16.49	0.20
Giglio	02	Max WS	SA_20_cr	30.47	133.58	137.71		137.74	0.000182	0.75	40.58	16.49	0.15
Giglio	01	Max WS	SA_200_cr	60.53	133.46	138.85	135.67	138.89	0.000185	0.90	67.45	21.02	0.16
Giglio	01	Max WS	SA_100_cr	60.50	133.46	137.92	135.67	138.00	0.000431	1.23	49.22	18.19	0.24
Giglio	01	Max WS	SA_30_cr	40.46	133.46	137.71	135.24	137.75	0.000239	0.89	45.46	17.56	0.18
Giglio	01	Max WS	SA_20_cr	30.46	133.46	137.71	134.99	137.73	0.000135	0.67	45.46	17.56	0.13

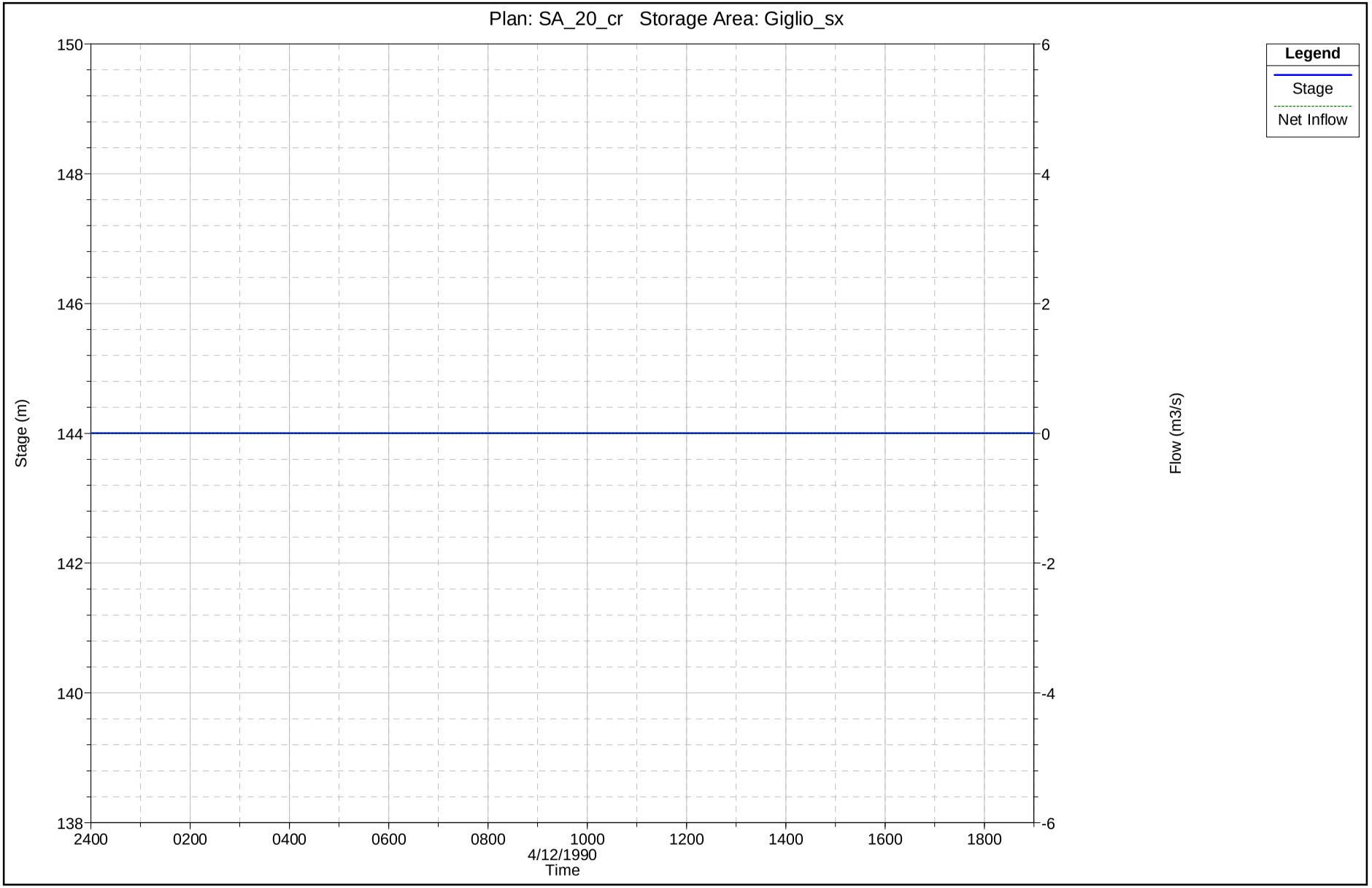
HEC-RAS Profile: Max WS

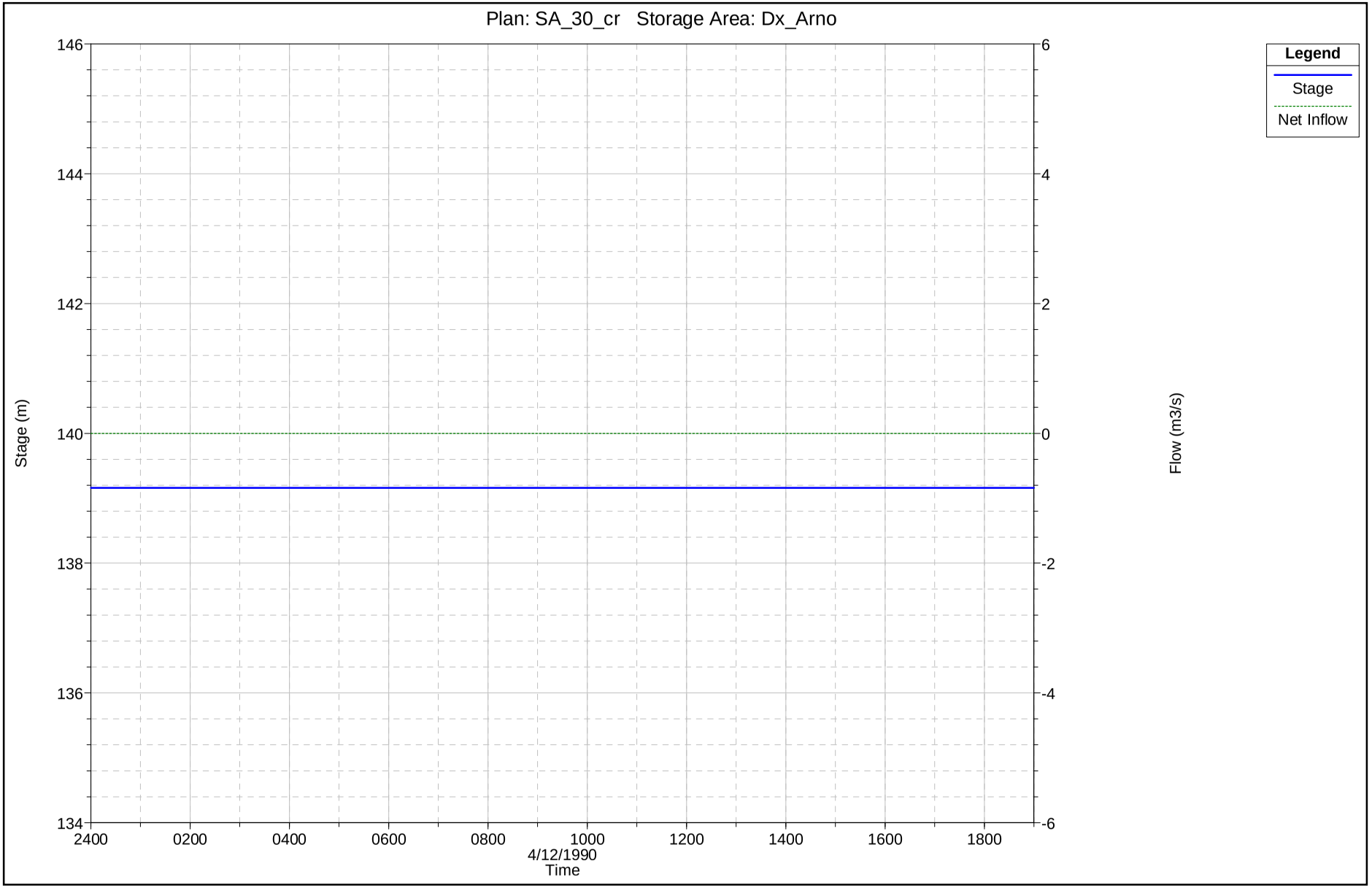
Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Dx_Arno	Max WS	SA_200_cr	139.16	139.16	0.00	35.88	0.00
Dx_Arno	Max WS	SA_100_cr	139.16	139.16	0.00	35.88	0.00
Dx_Arno	Max WS	SA_30_cr	139.16	139.16	0.00	35.88	0.00
Dx_Arno	Max WS	SA_20_cr	139.16	139.16	0.00	35.88	0.00
Giglio_dx	Max WS	SA_200_cr	144.06	144.00	0.99	50.00	3.02
Giglio_dx	Max WS	SA_100_cr	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	SA_30_cr	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	SA_20_cr	144.00	144.00	0.00	50.00	0.00
Giglio_dx_valle	Max WS	SA_200_cr	146.05	145.00	3.30	34.01	10.80
Giglio_dx_valle	Max WS	SA_100_cr	145.05	145.00	0.15	9.00	0.42
Giglio_dx_valle	Max WS	SA_30_cr	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	SA_20_cr	145.00	145.00	0.00	9.00	0.00
Giglio_sx	Max WS	SA_200_cr	146.88	144.00	2.87	39.01	88.45
Giglio_sx	Max WS	SA_100_cr	145.34	144.00	8.12	28.00	35.44
Giglio_sx	Max WS	SA_30_cr	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	SA_20_cr	144.00	144.00	0.00	24.01	0.00

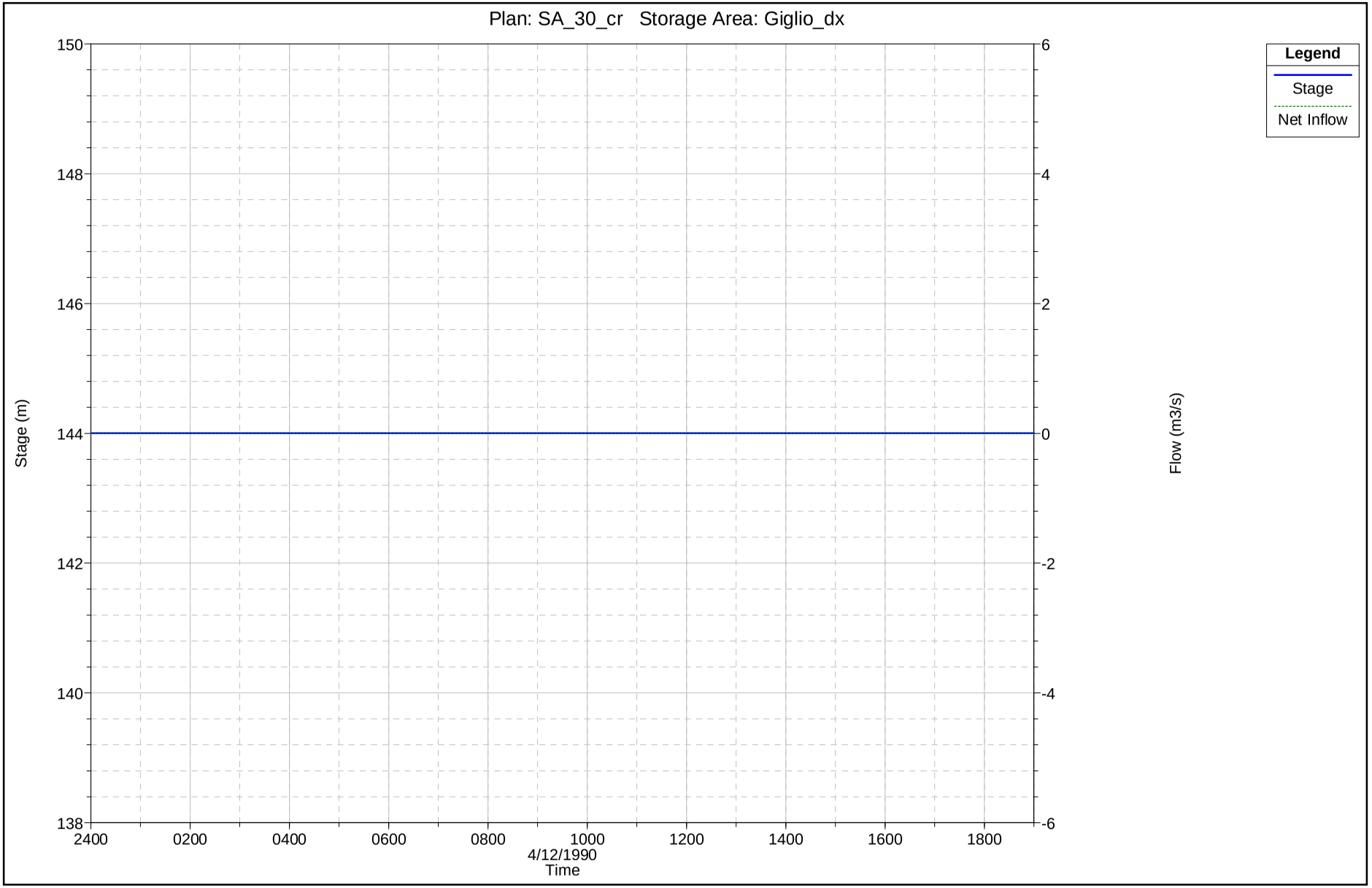

Plan: SA_20_cr Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

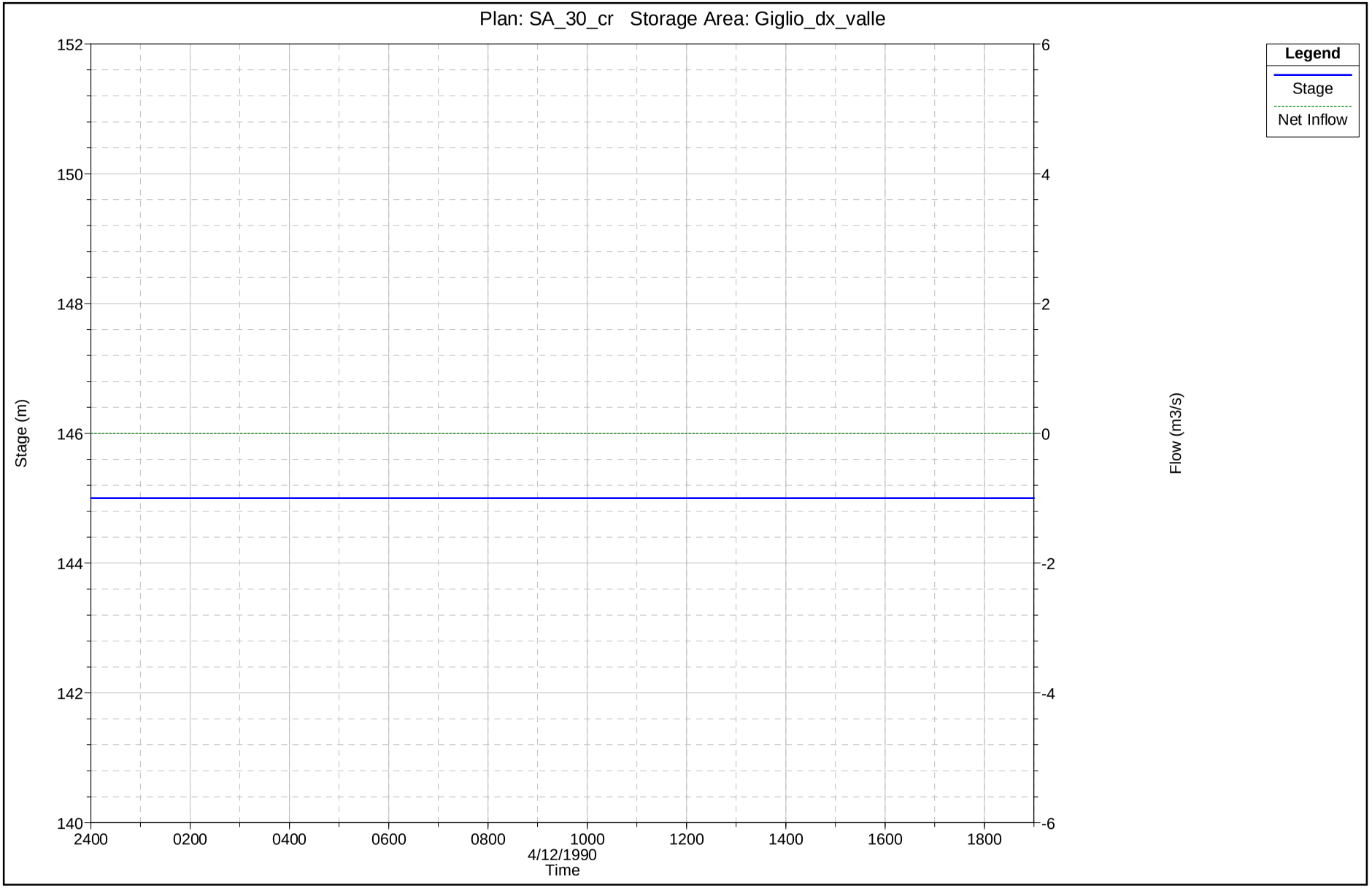

Plan: SA_20_cr Storage Area: Giglio_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
150
148
146
144
142
140
138
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

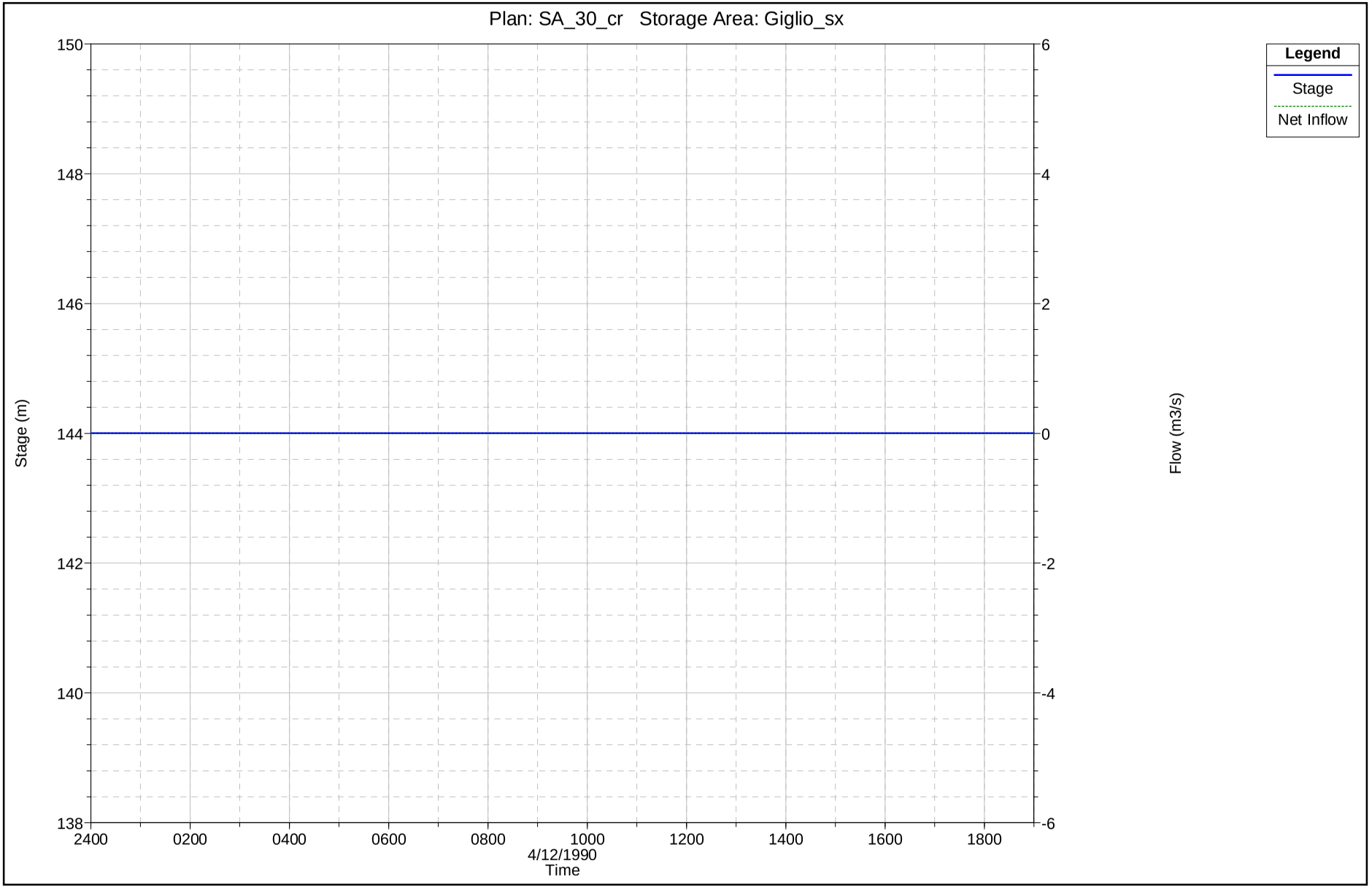

Plan: SA_20_cr Storage Area: Giglio_dx_valle
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
152
150
148
146
144
142
140
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

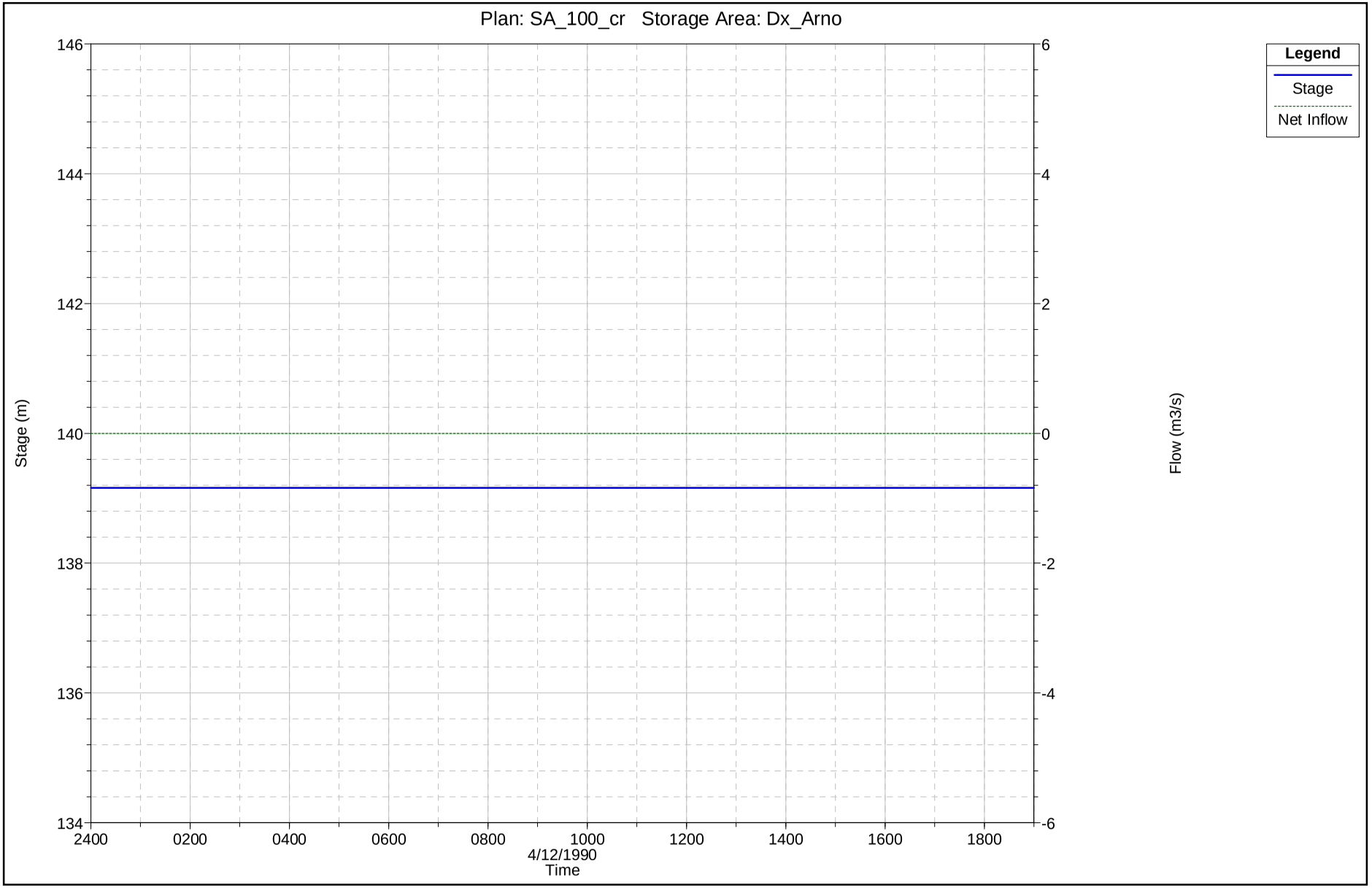

Plan: SA_20_cr Storage Area: Giglio_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
150
148
146
144
142
140
138
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

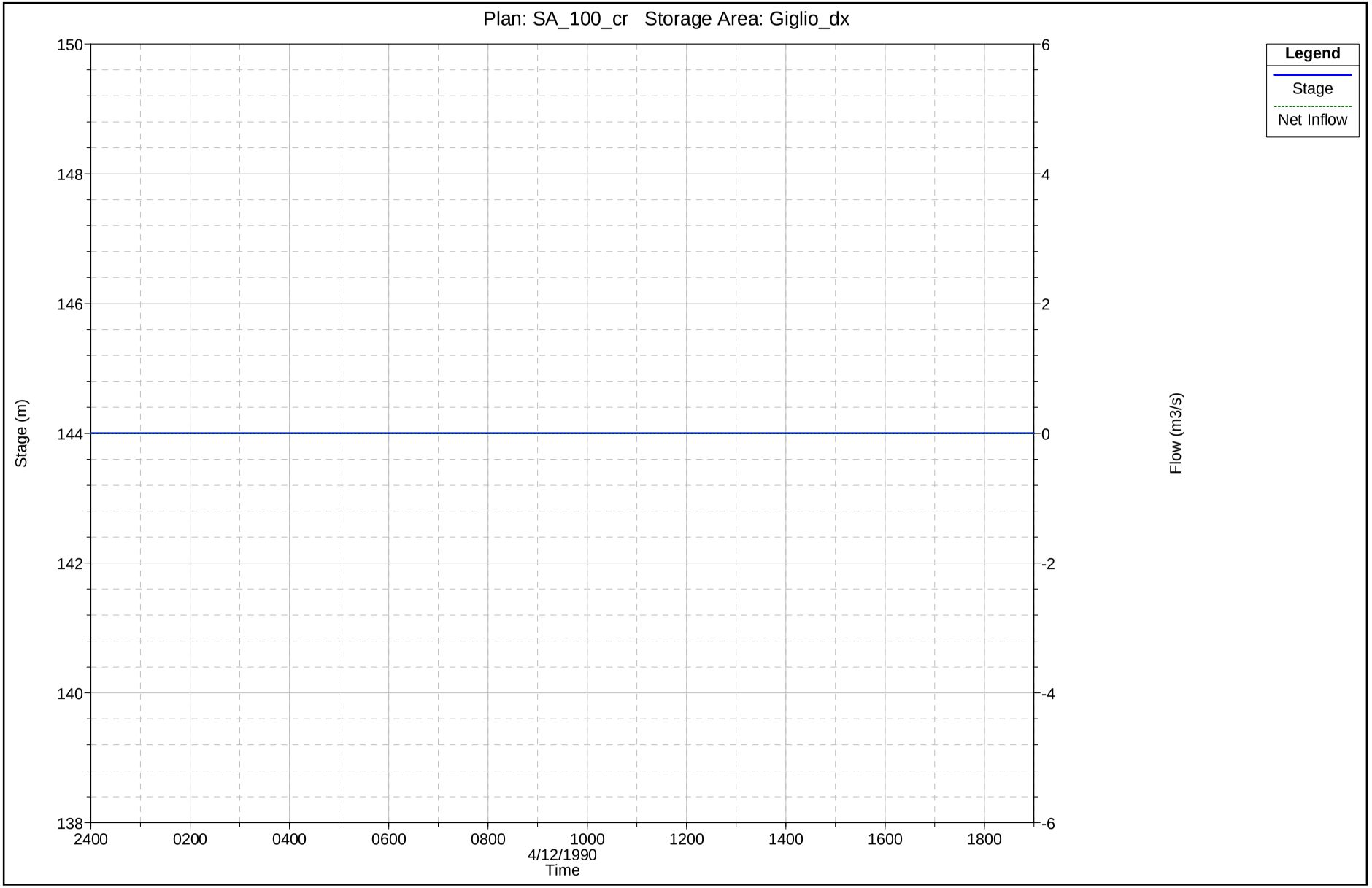

Plan: SA_30_cr Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

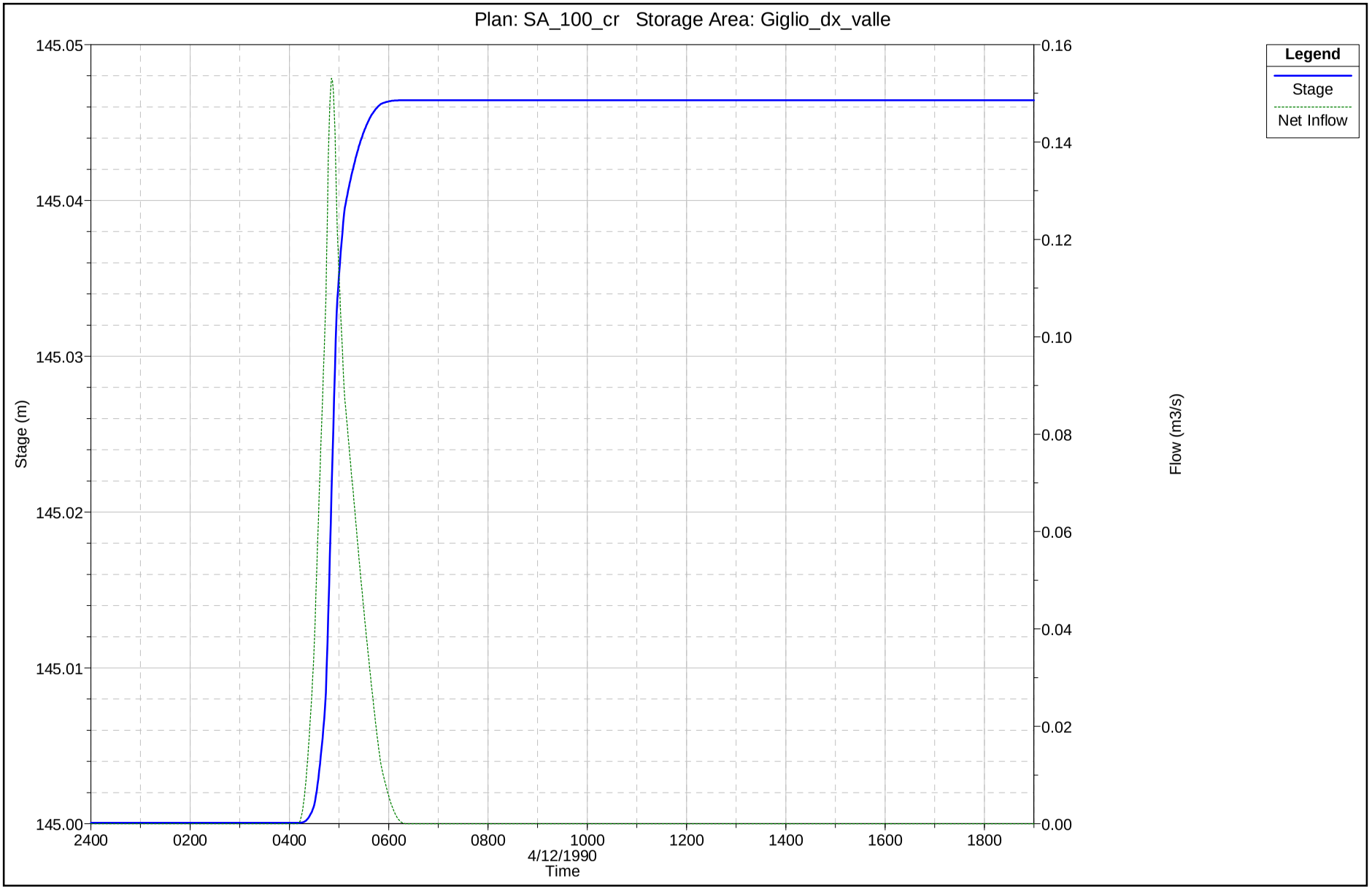

Plan: SA_30_cr Storage Area: Giglio_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
150
148
146
144
142
140
138
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

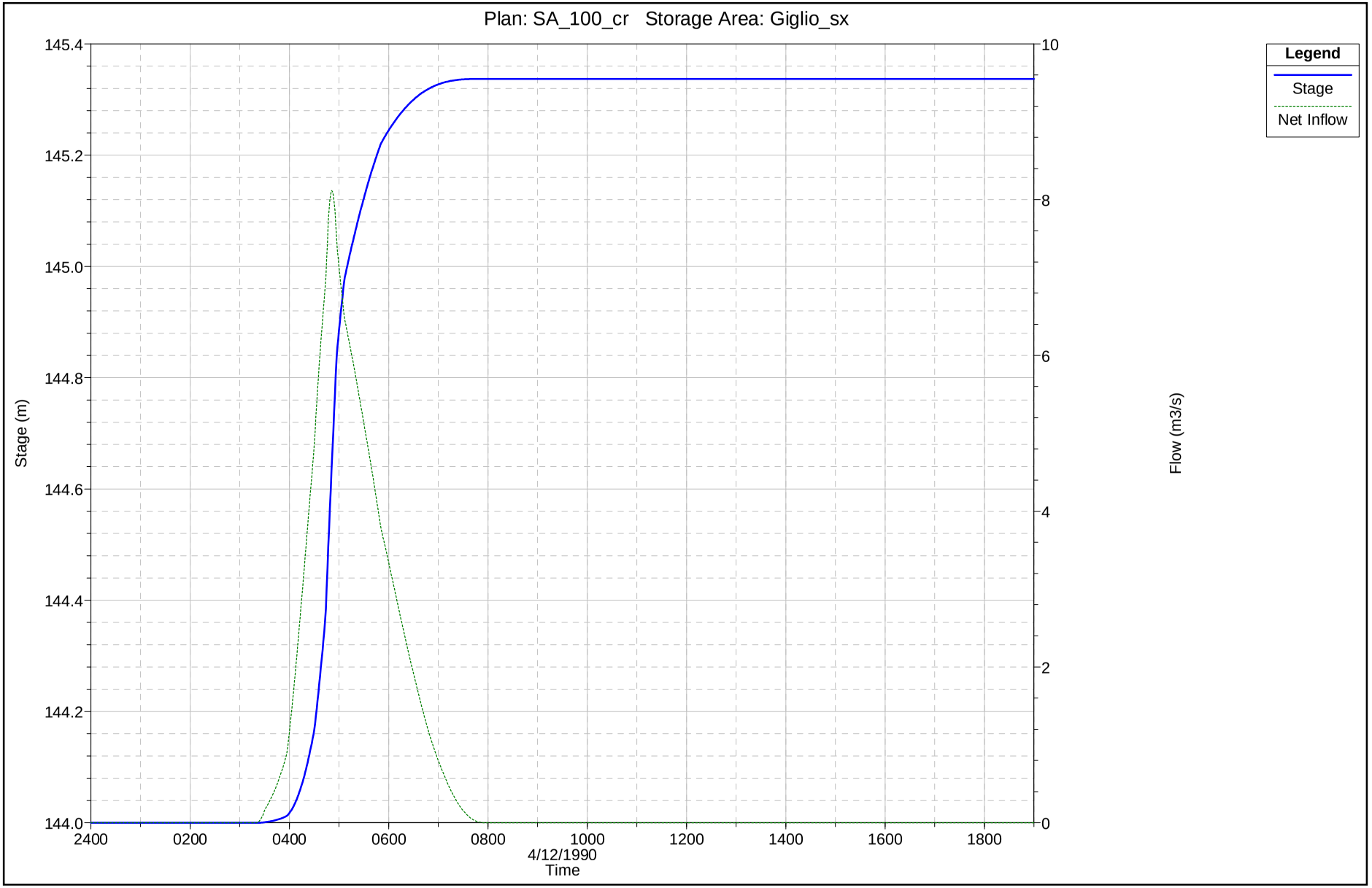

Plan: SA_30_cr Storage Area: Giglio_dx_valle
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
152
150
148
146
144
142
140
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

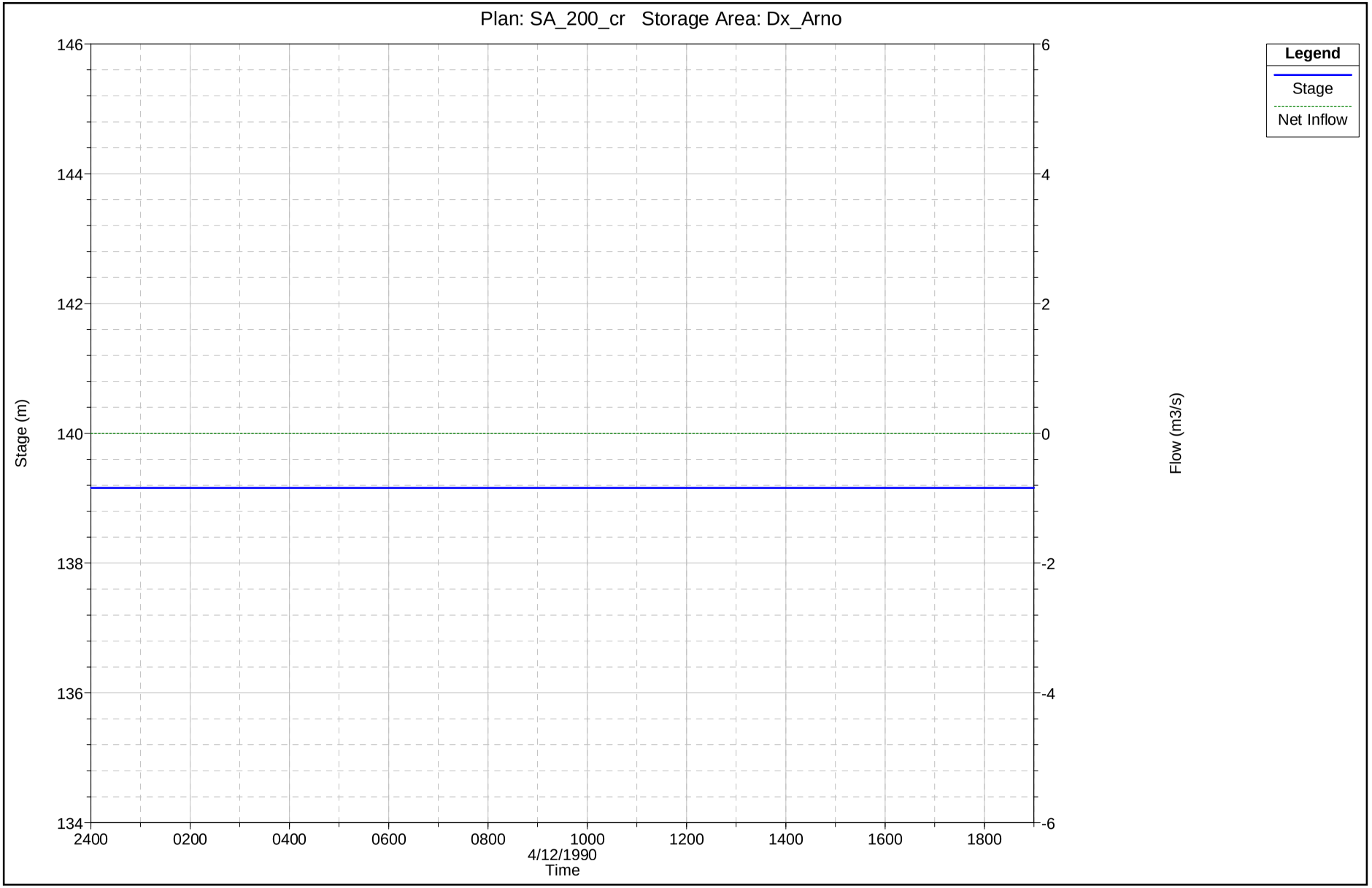

Plan: SA_30_cr Storage Area: Giglio_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
150
148
146
144
142
140
138
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

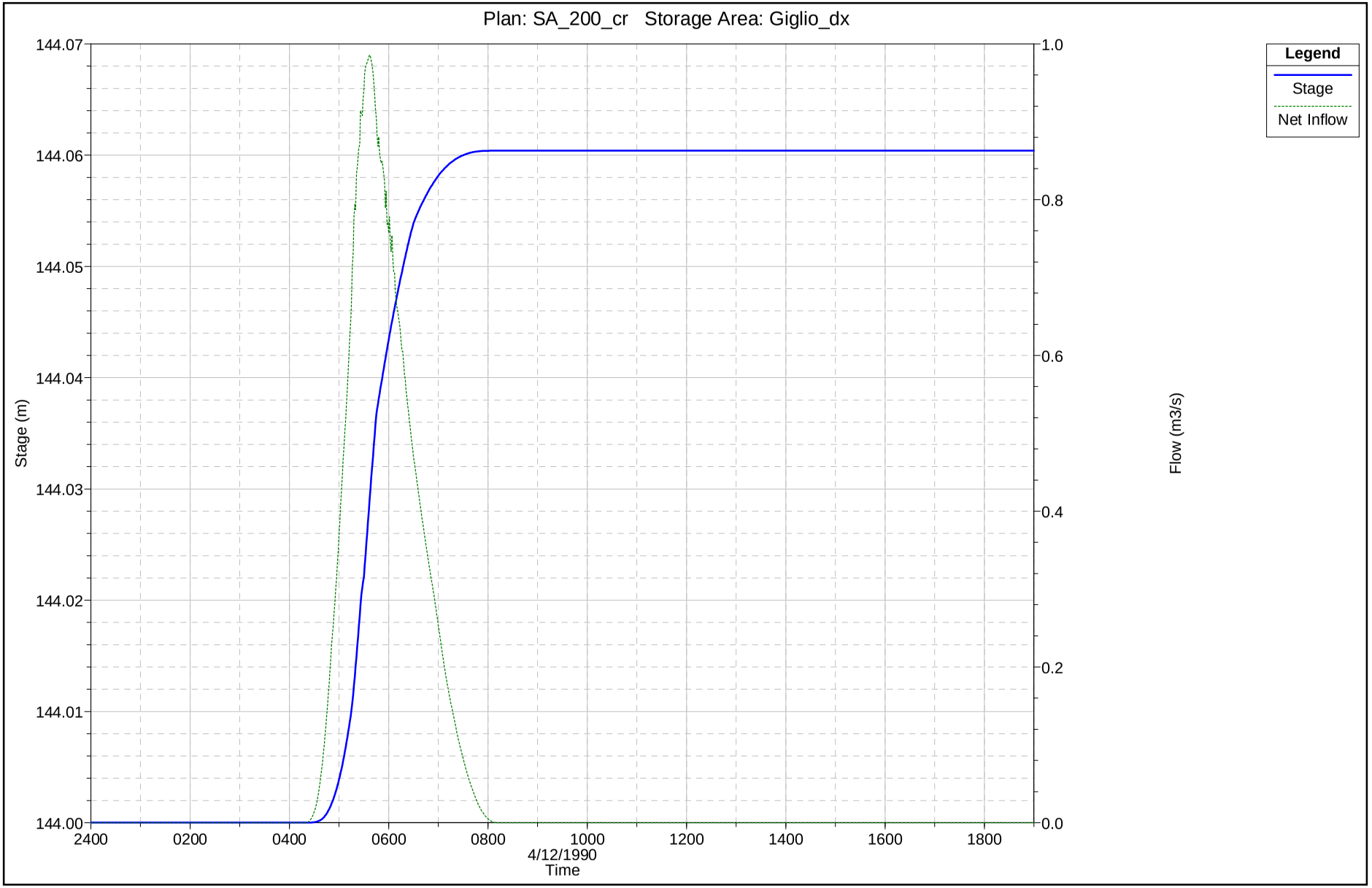

Plan: SA_100_cr Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

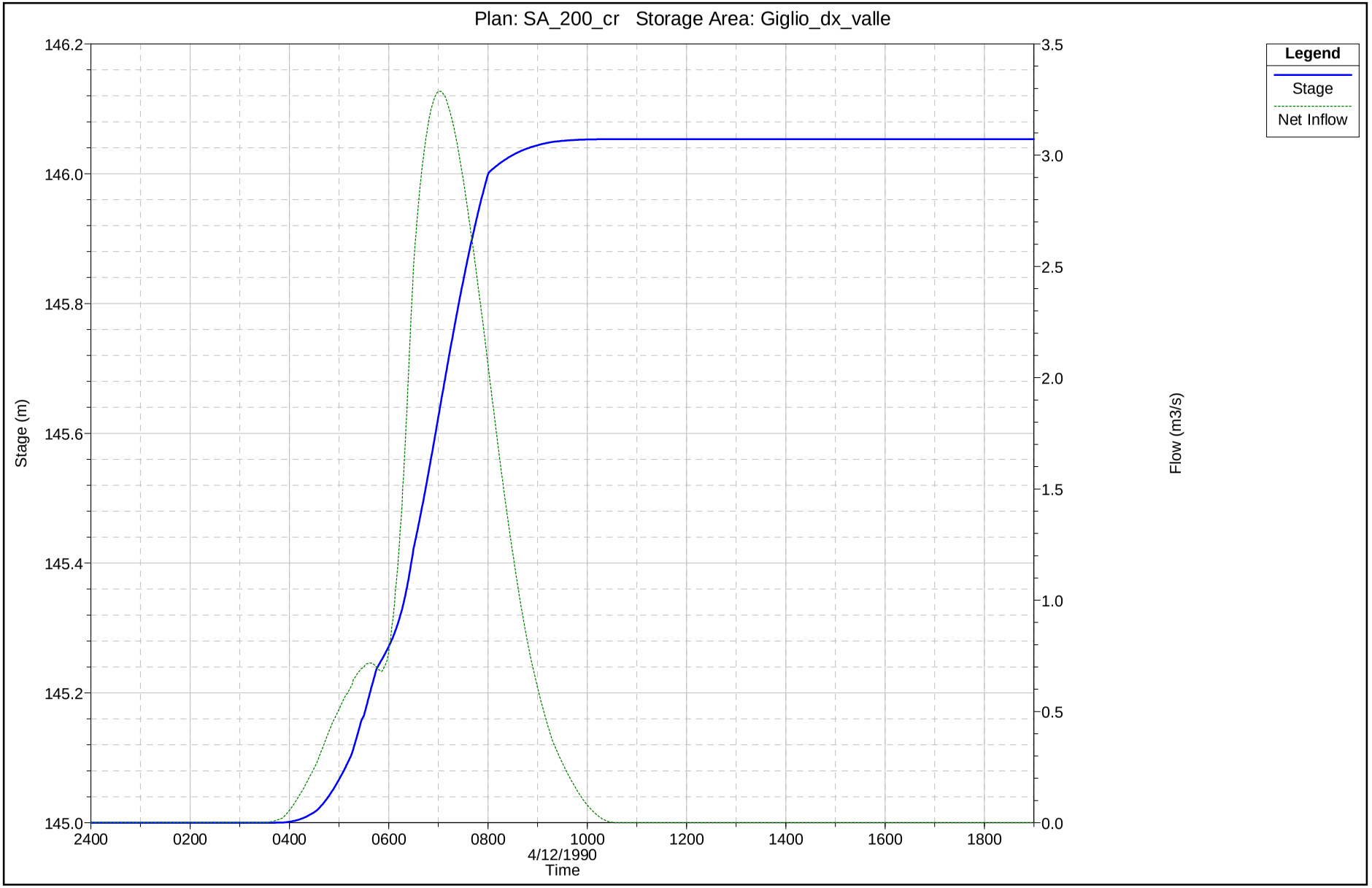

Plan: SA_100_cr Storage Area: Giglio_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
150
148
146
144
142
140
138
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

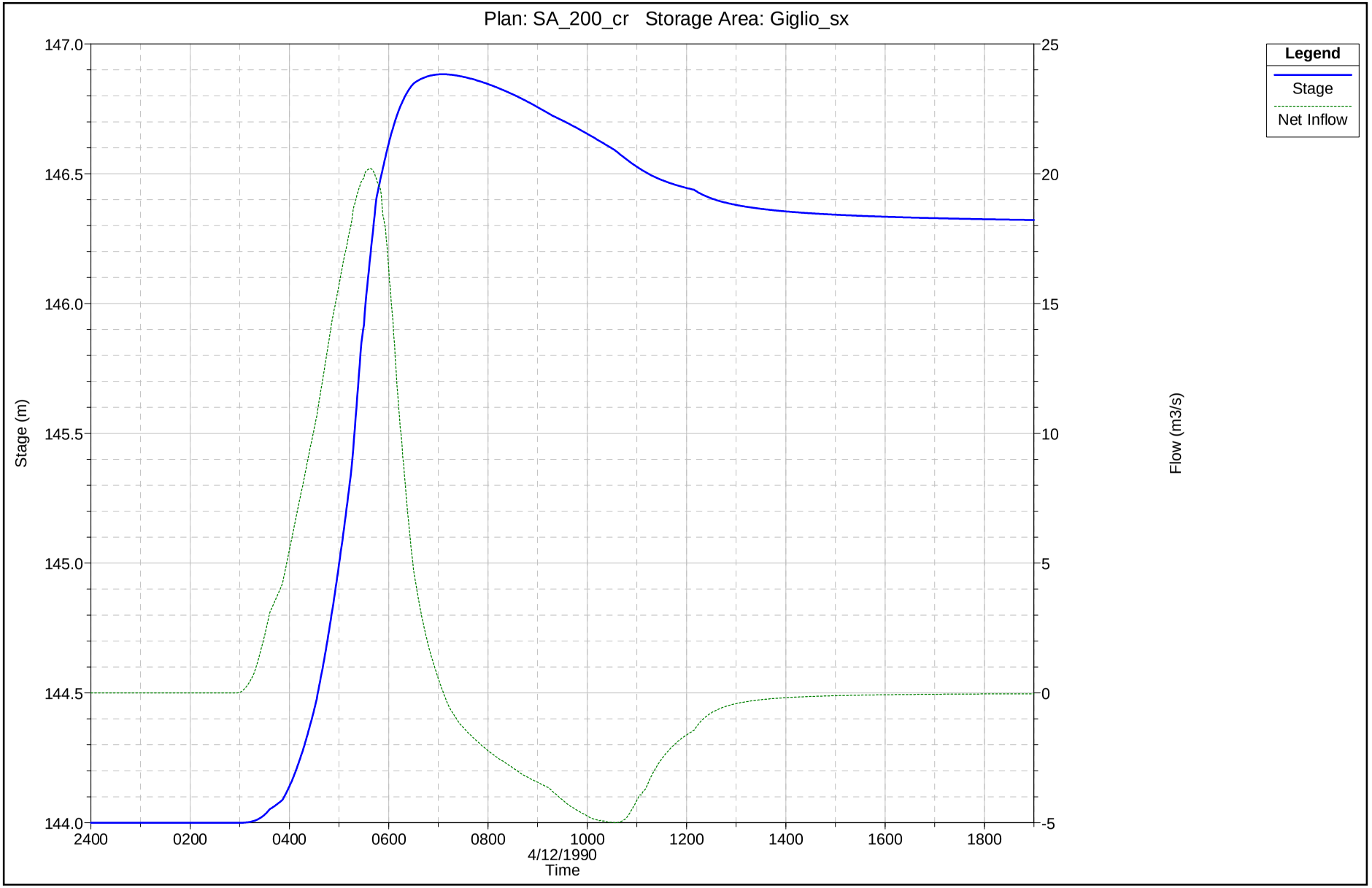

Plan: SA_100_cr Storage Area: Giglio_dx_valle
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
145.05
145.04
145.03
145.02
145.01
145.00
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

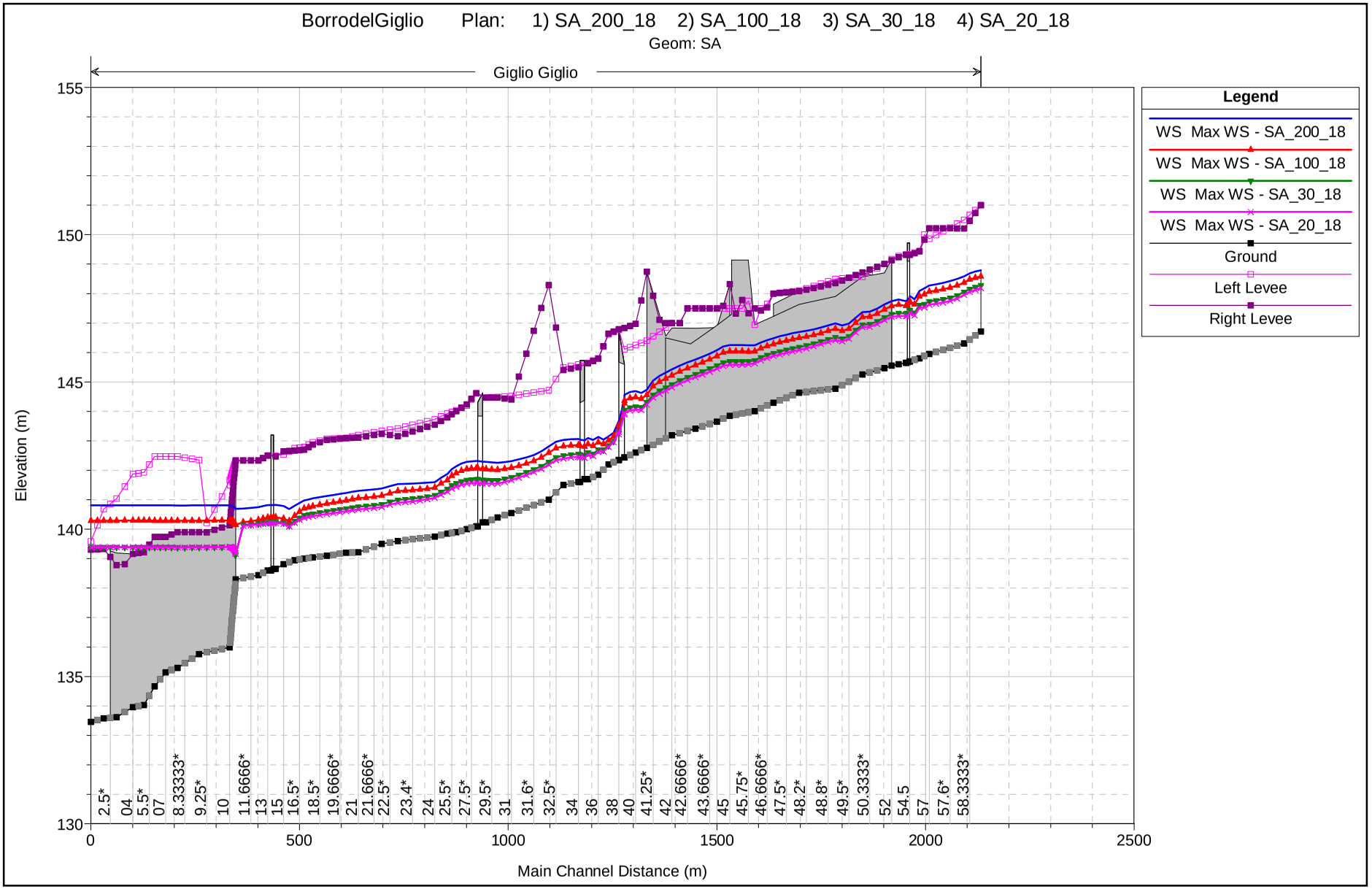

Plan: SA_100_cr Storage Area: Giglio_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
145.4
145.2
145.0
144.8
144.6
144.4
144.2
144.0
10
8
6
4
2
0
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time


Plan: SA_200_cr Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146
144
142
140
138
136
134
6
4
2
0
-2
-4
-6
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time


Plan: SA_200_cr Storage Area: Giglio_dx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
144.07
144.06
144.05
144.04
144.03
144.02
144.01
144.00
1.0
0.8
0.6
0.4
0.2
0.0
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time


Plan: SA_200_cr Storage Area: Giglio_dx_valle
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
146.2
146.0
145.8
145.6
145.4
145.2
145.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time

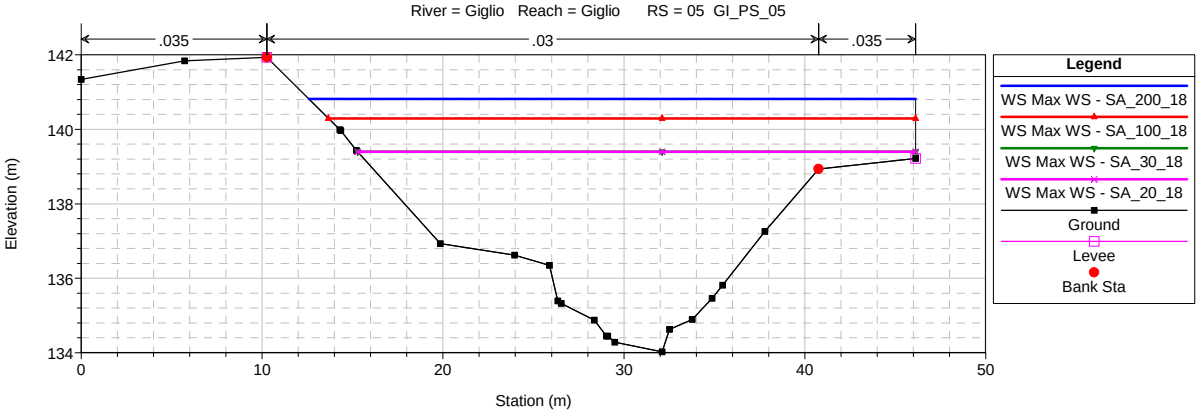

Plan: SA_200_cr Storage Area: Giglio_sx
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
147.0
146.5
146.0
145.5
145.0
144.5
144.0
25
20
15
10
5
0
-5
2400
0200
0400
0600
0800
1000
1200
1400
1600
1800
4/12/1990
Time


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
Giglio Giglio
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Left Levee
Right Levee
Elevation (m)
Main Channel Distance (m)
155
150
145
140
135
130
0
500
1000
1500
2000
2500
2.5*
04
5.5*
07
8.3333*
9.25*
10
11.6666*
13
15
16.5*
18.5*
19.6666*
21
21.6666*
22.5*
23.4*
24
25.5*
27.5*
29.5*
31
31.6*
32.5*
34
36
38
40
41.25*
42
42.6666*
43.6666*
45
45.75*
46.6666*
47.5*
48.2*
48.8*
49.5*
50.3333*
52
54.5
57
57.6*
58.3333*

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

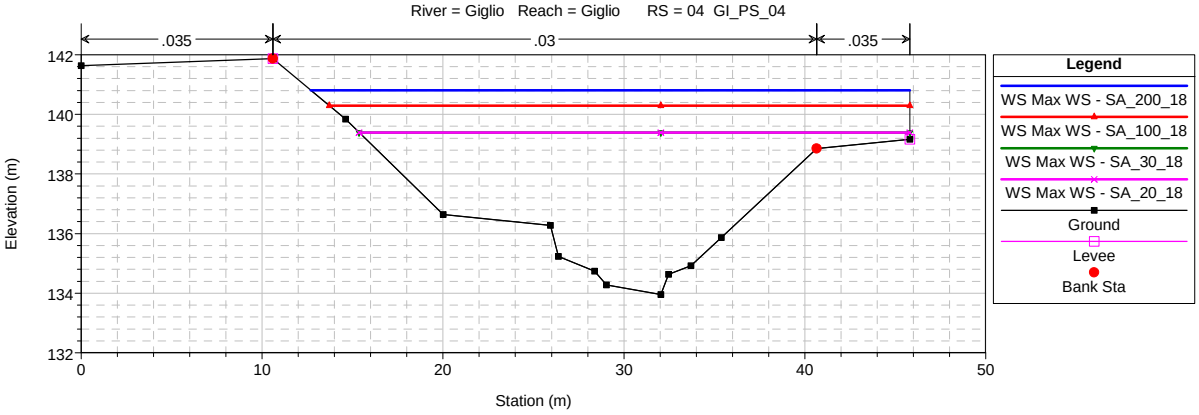
River = Giglio Reach = Giglio RS = 05 GI_PS_05



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

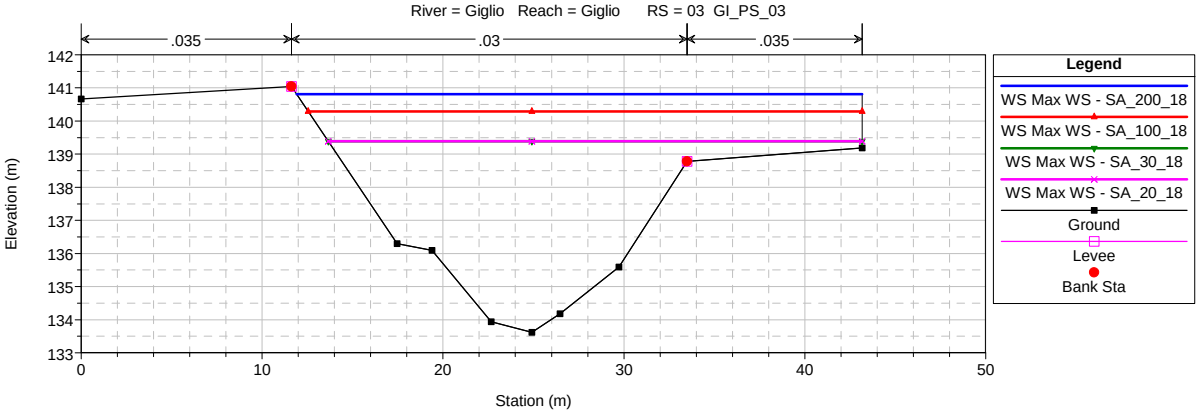
River = Giglio Reach = Giglio RS = 04 GI_PS_04



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

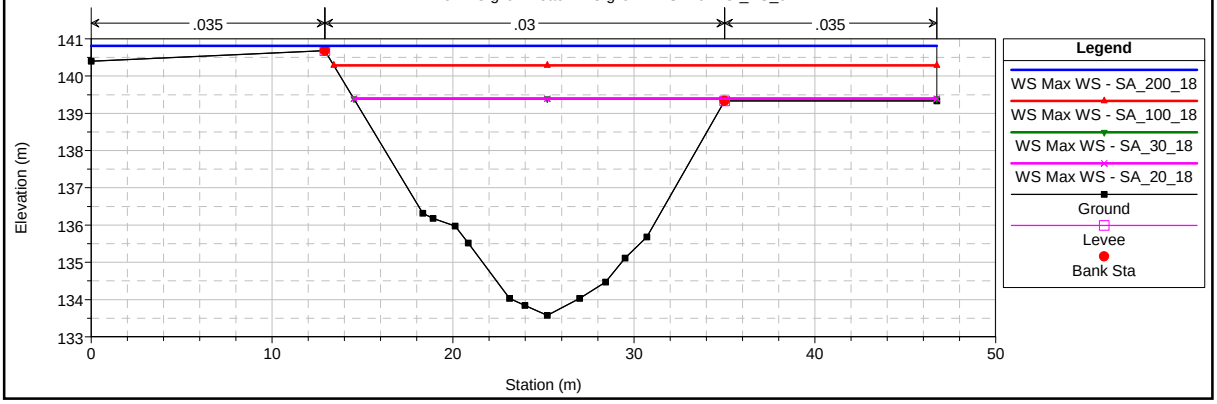
River = Giglio Reach = Giglio RS = 03 GI_PS_03

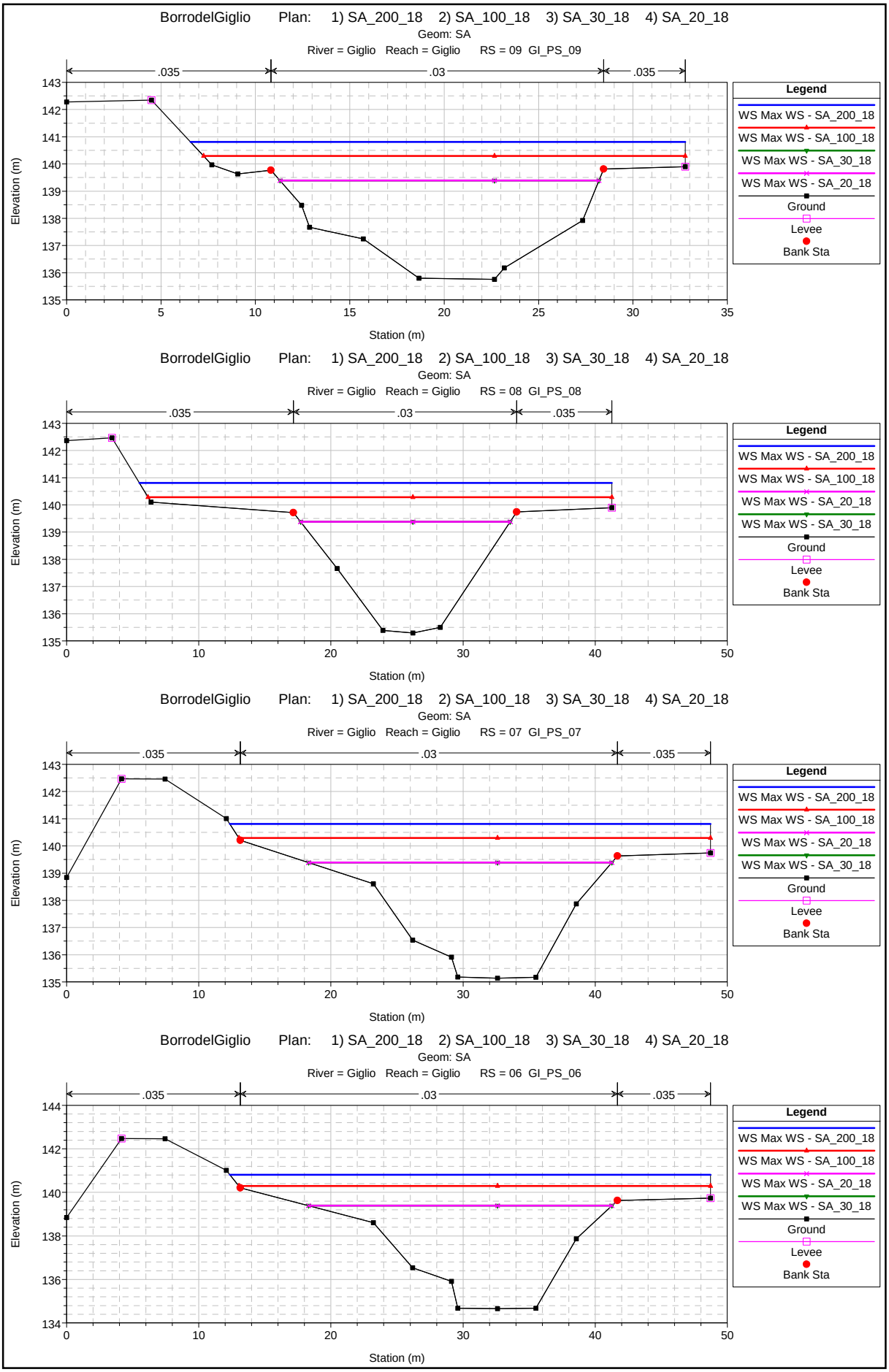


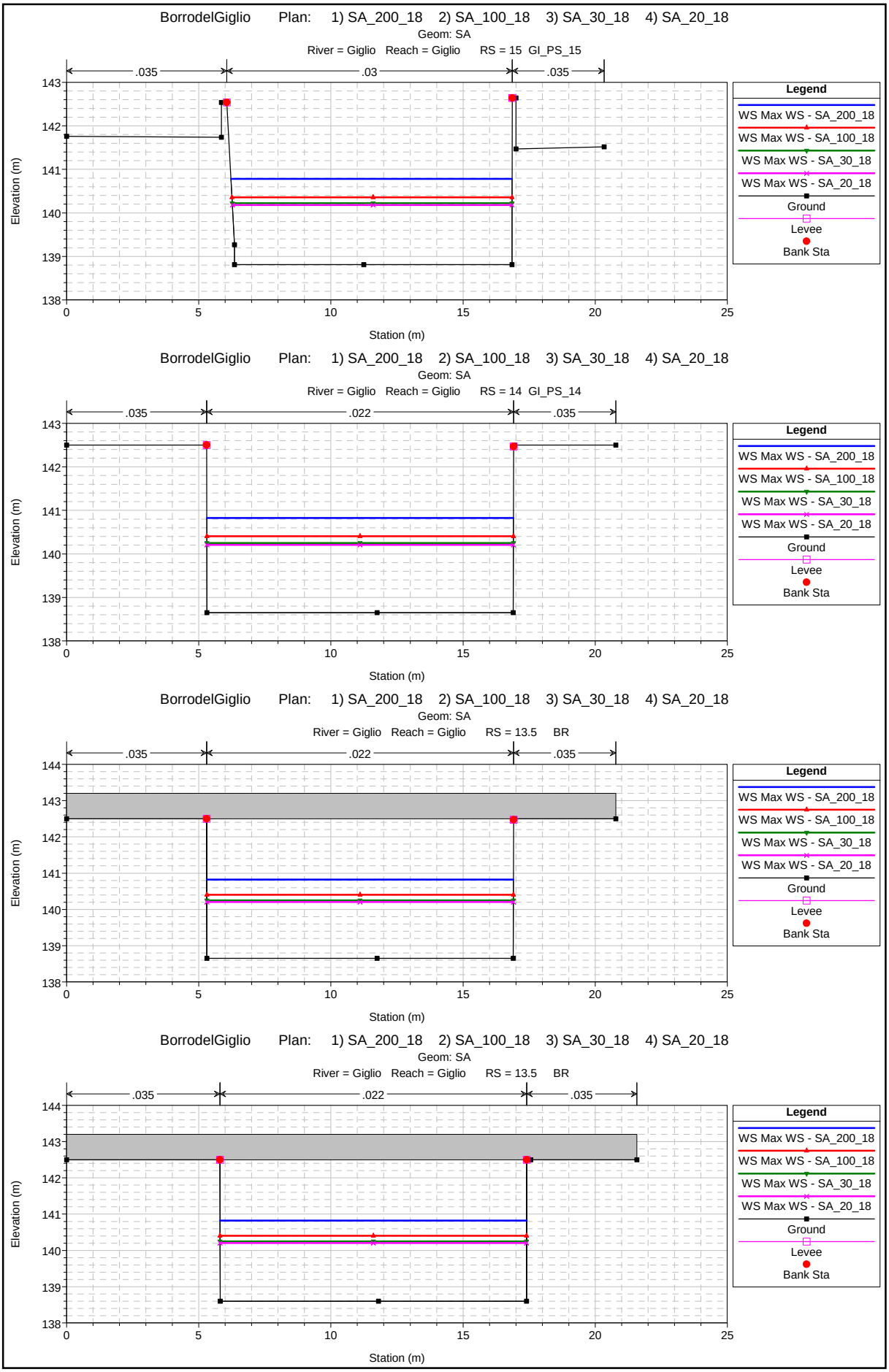
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

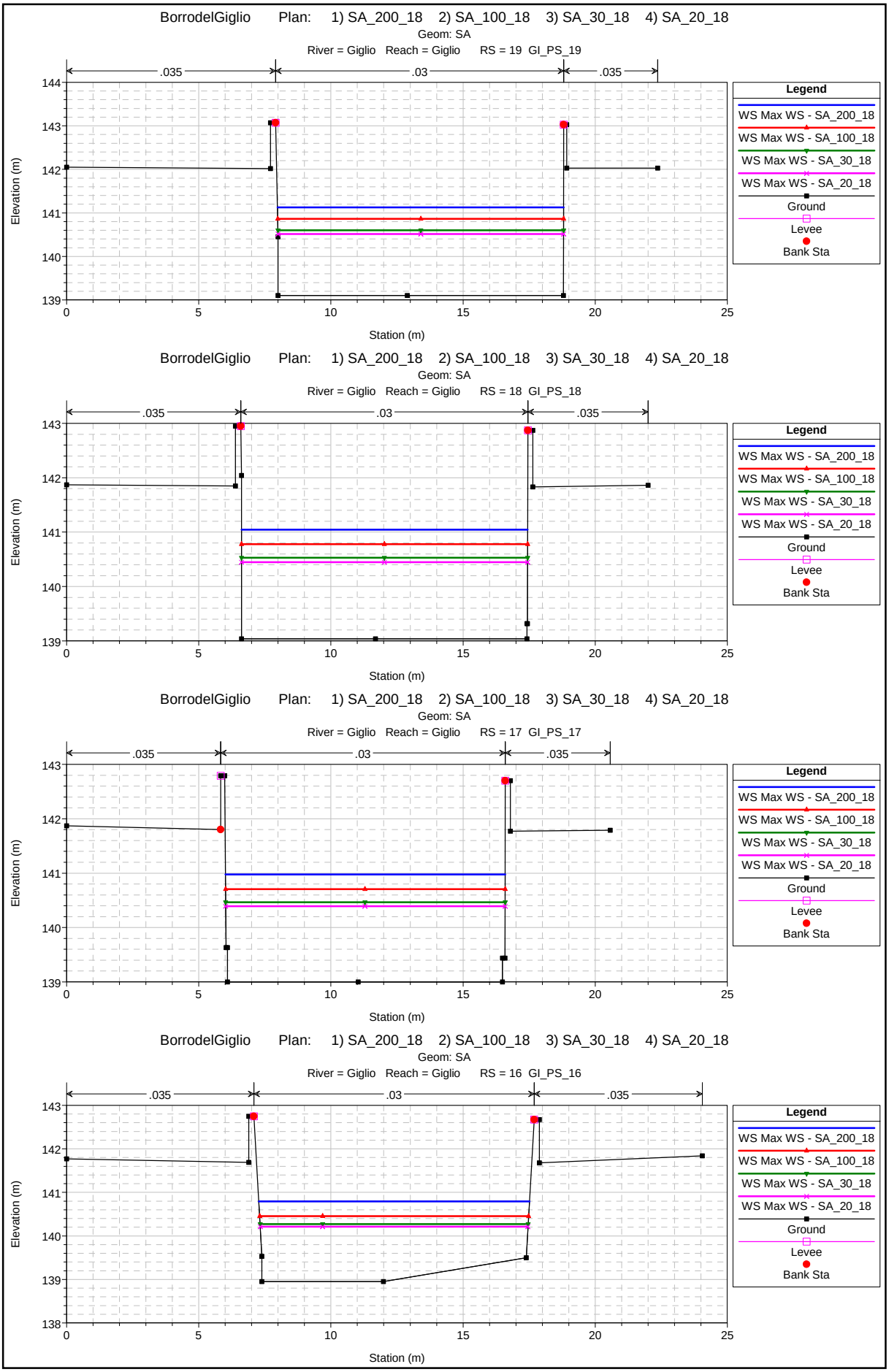
Geom: SA

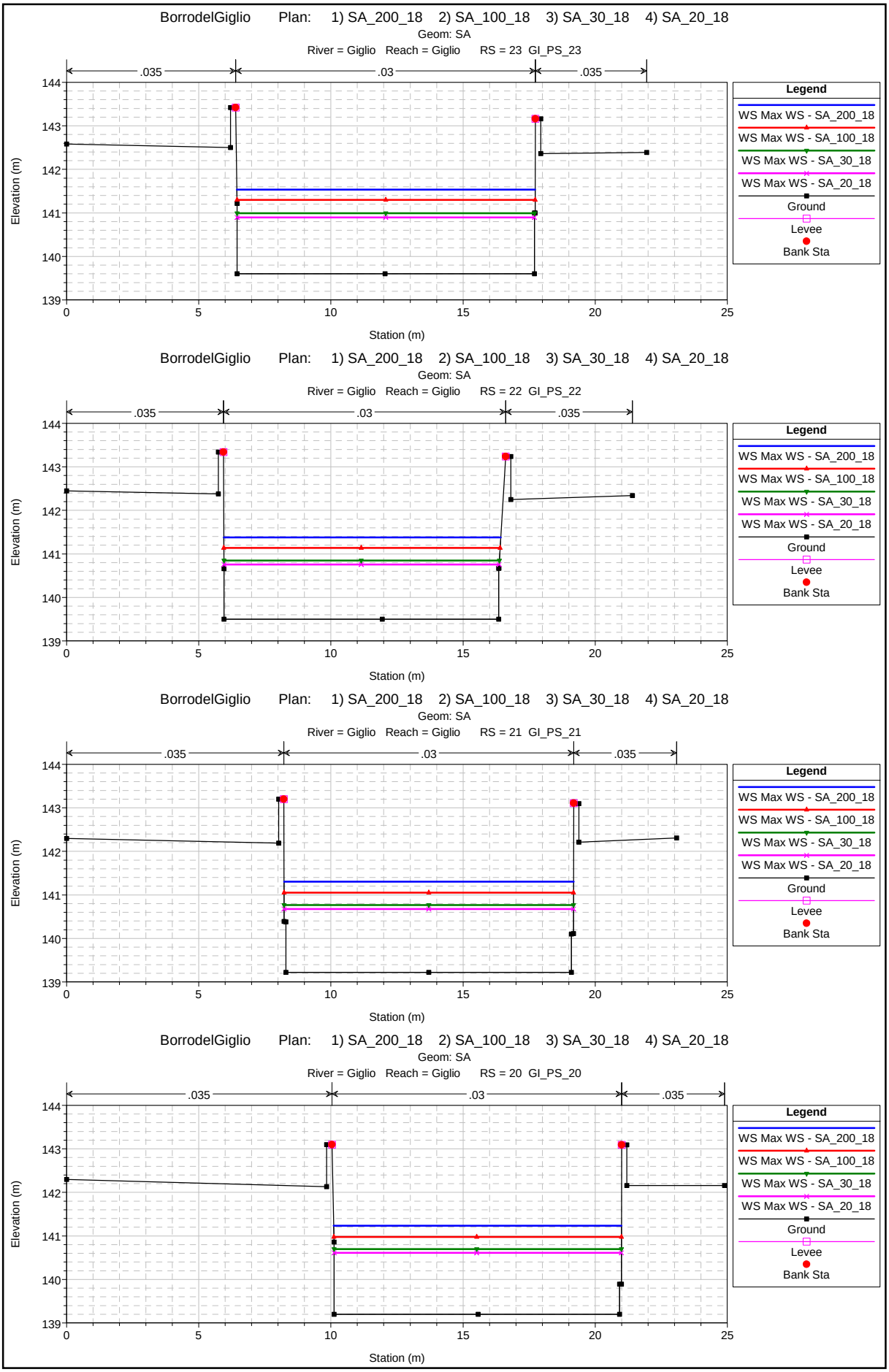
River = Giglio Reach = Giglio RS = 02 GI_PS_02

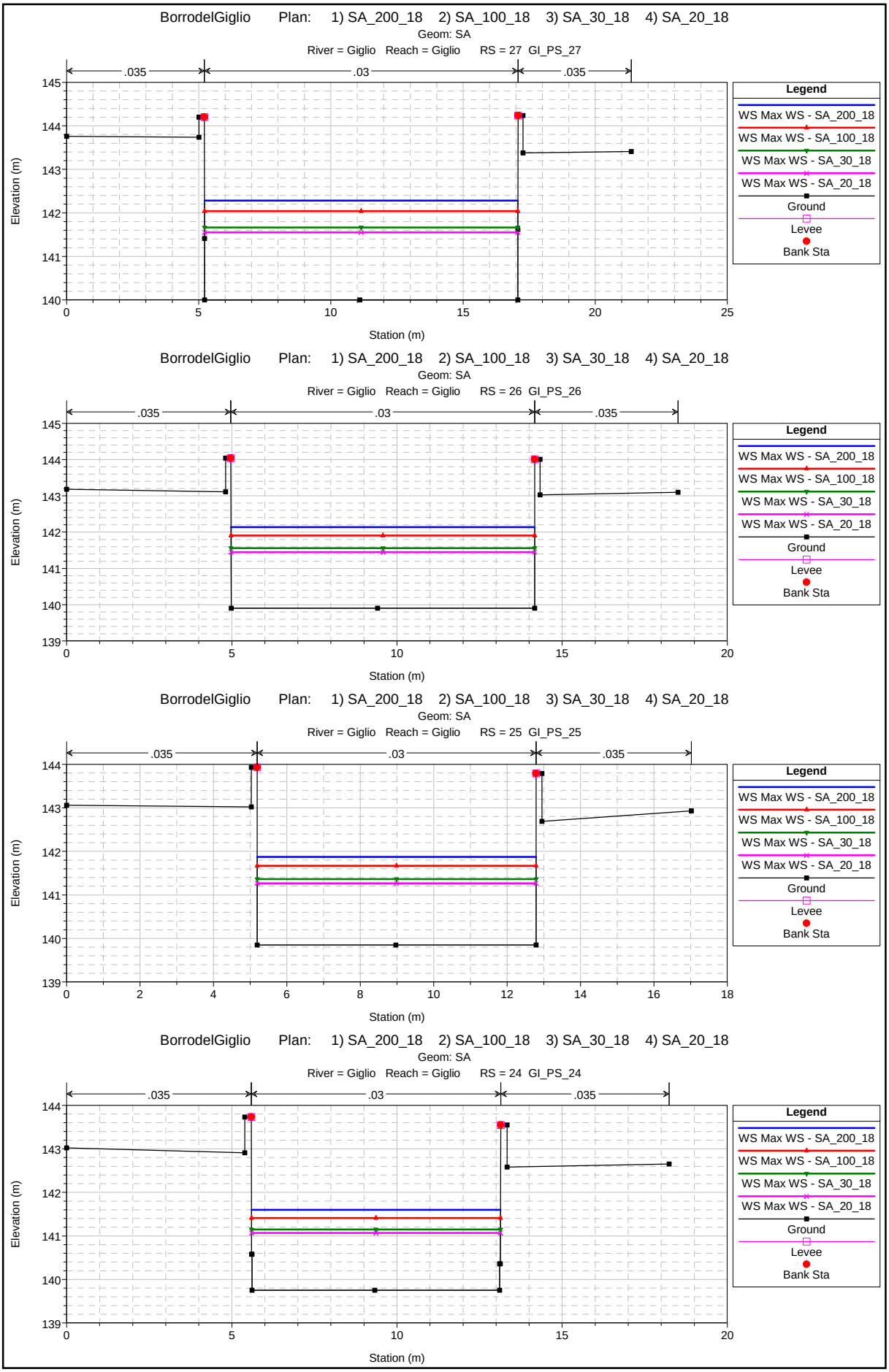


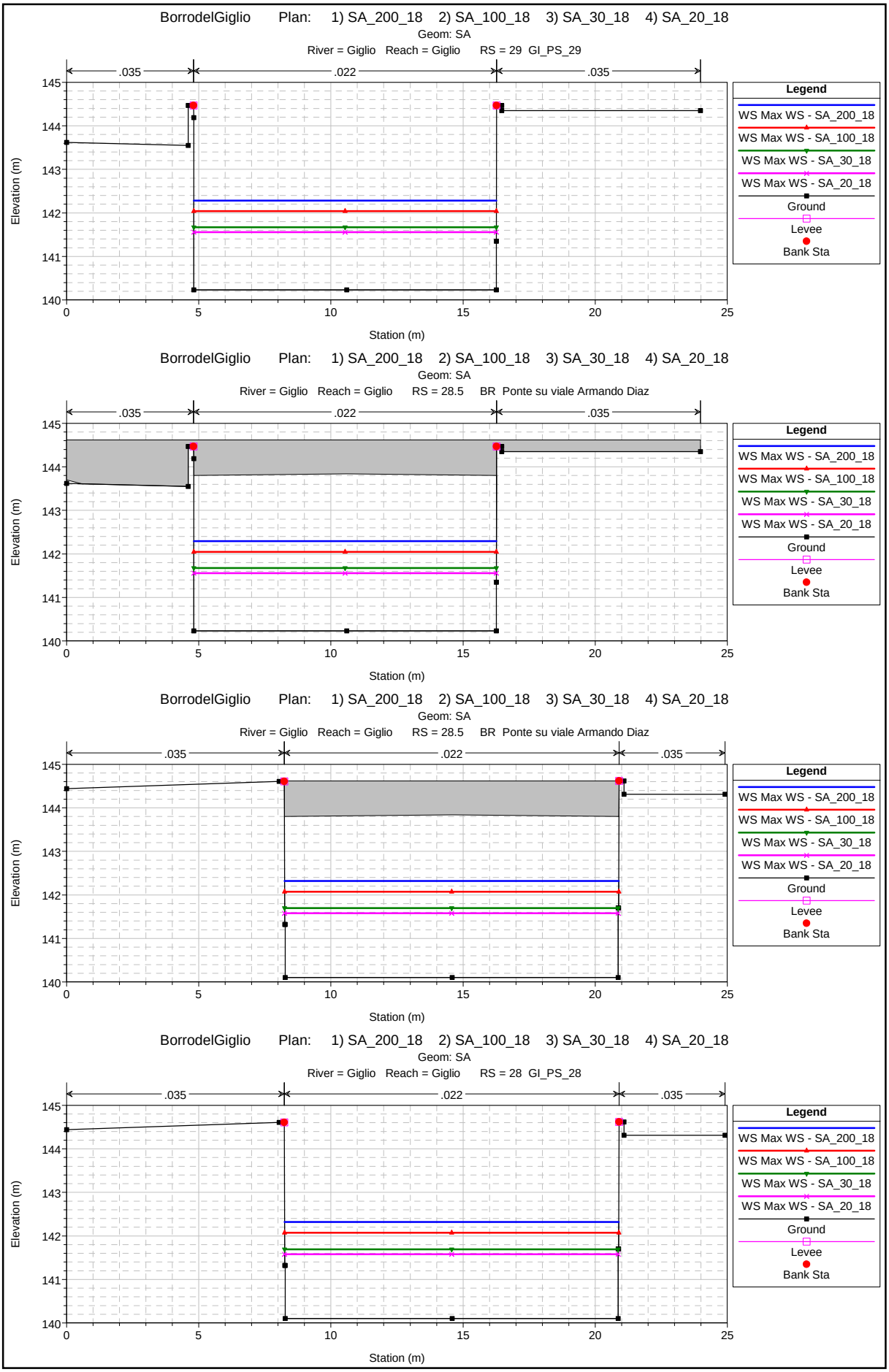

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 09 GI_PS_09
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 08 GI_PS_08
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_20_18
WS Max WS - SA_30_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 07 GI_PS_07
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_20_18
WS Max WS - SA_30_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 06 GI_PS_06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_20_18
WS Max WS - SA_30_18
Ground
Levee
Bank Sta

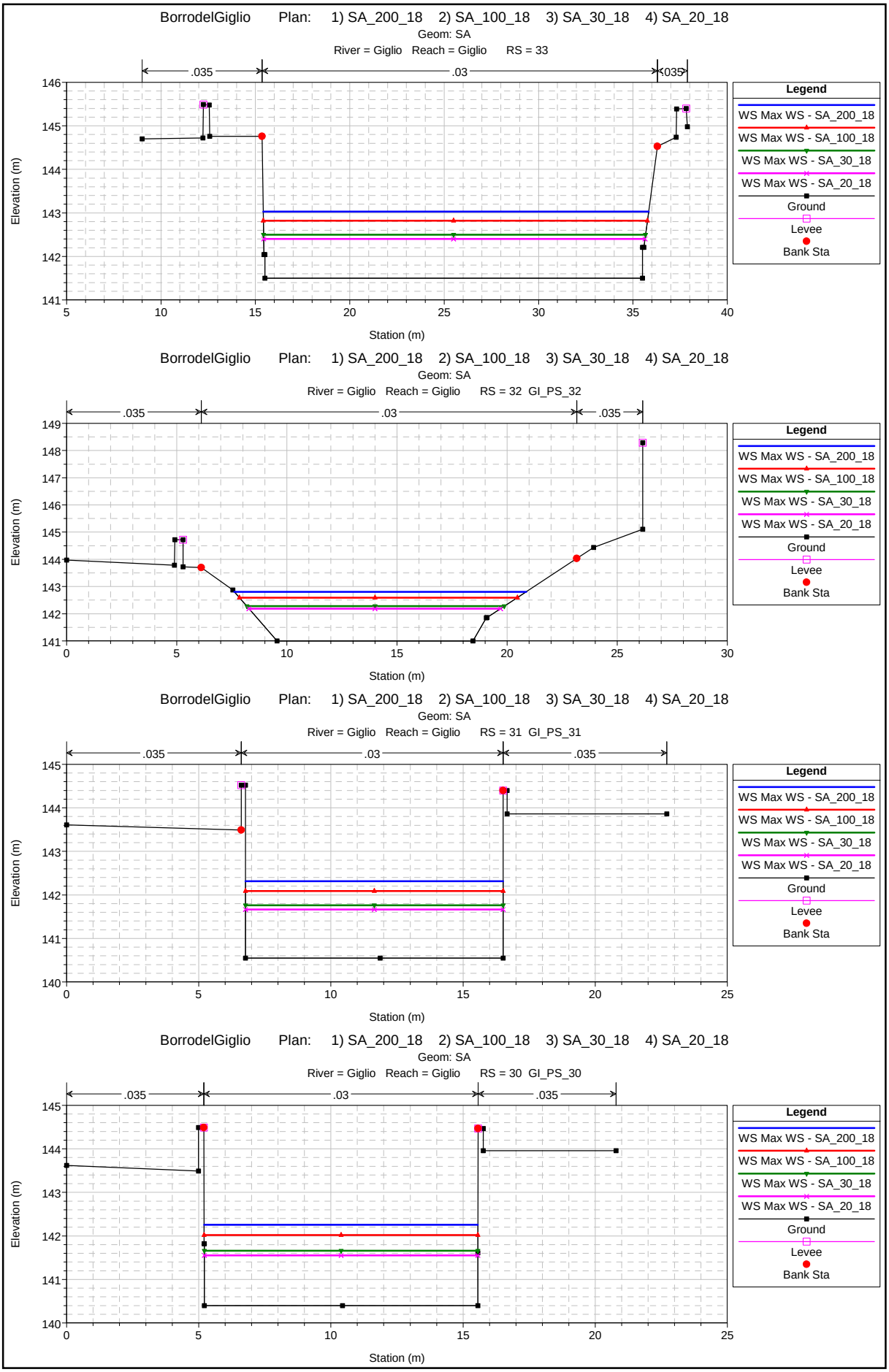

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 15 GI_PS_15
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 14 GI_PS_14
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 13.5 BR
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 19 GI_PS_19
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 18 GI_PS_18
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 17 GI_PS_17
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 16 GI_PS_16
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 23 GI_PS_23
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 22 GI_PS_22
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 21 GI_PS_21
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 20 GI_PS_20
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 27 GI_PS_27
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 26 GI_PS_26
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 25 GI_PS_25
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 24 GI_PS_24
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

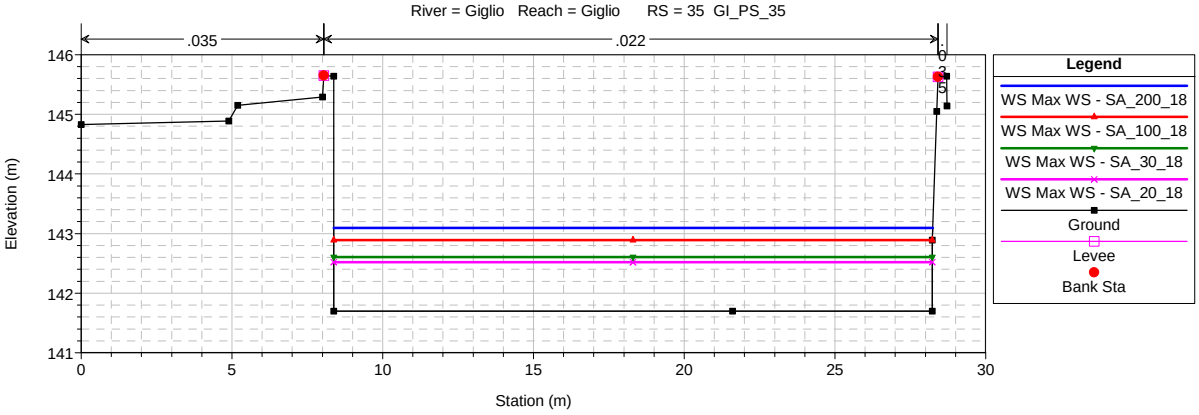

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 29 GI_PS_29
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 28.5 BR Ponte su viale Armando Diaz
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 28 GI_PS_28
.035
.022
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 33
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 32 GI_PS_32
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 31 GI_PS_31
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 30 GI_PS_30
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

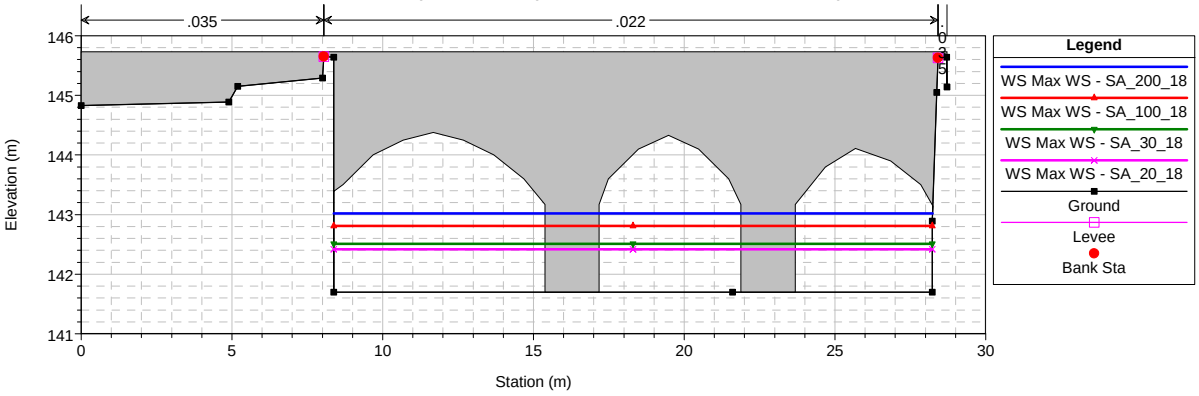
River = Giglio Reach = Giglio RS = 35 GI_PS_35



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

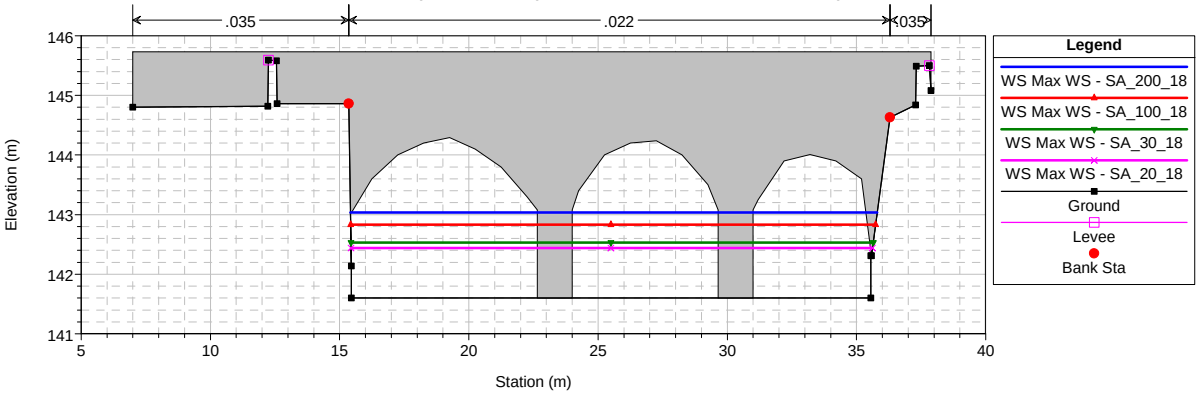
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

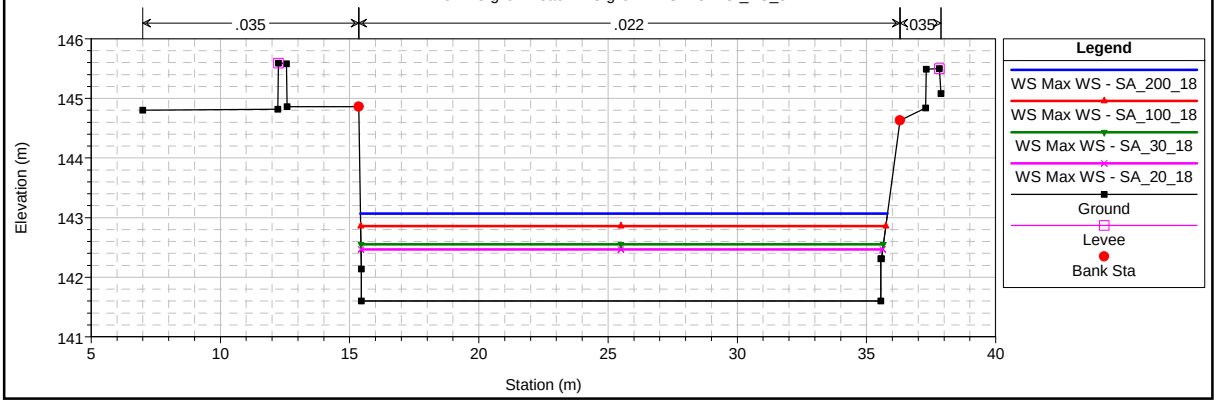
River = Giglio Reach = Giglio RS = 34.5 BR Ponte di via Burzagli

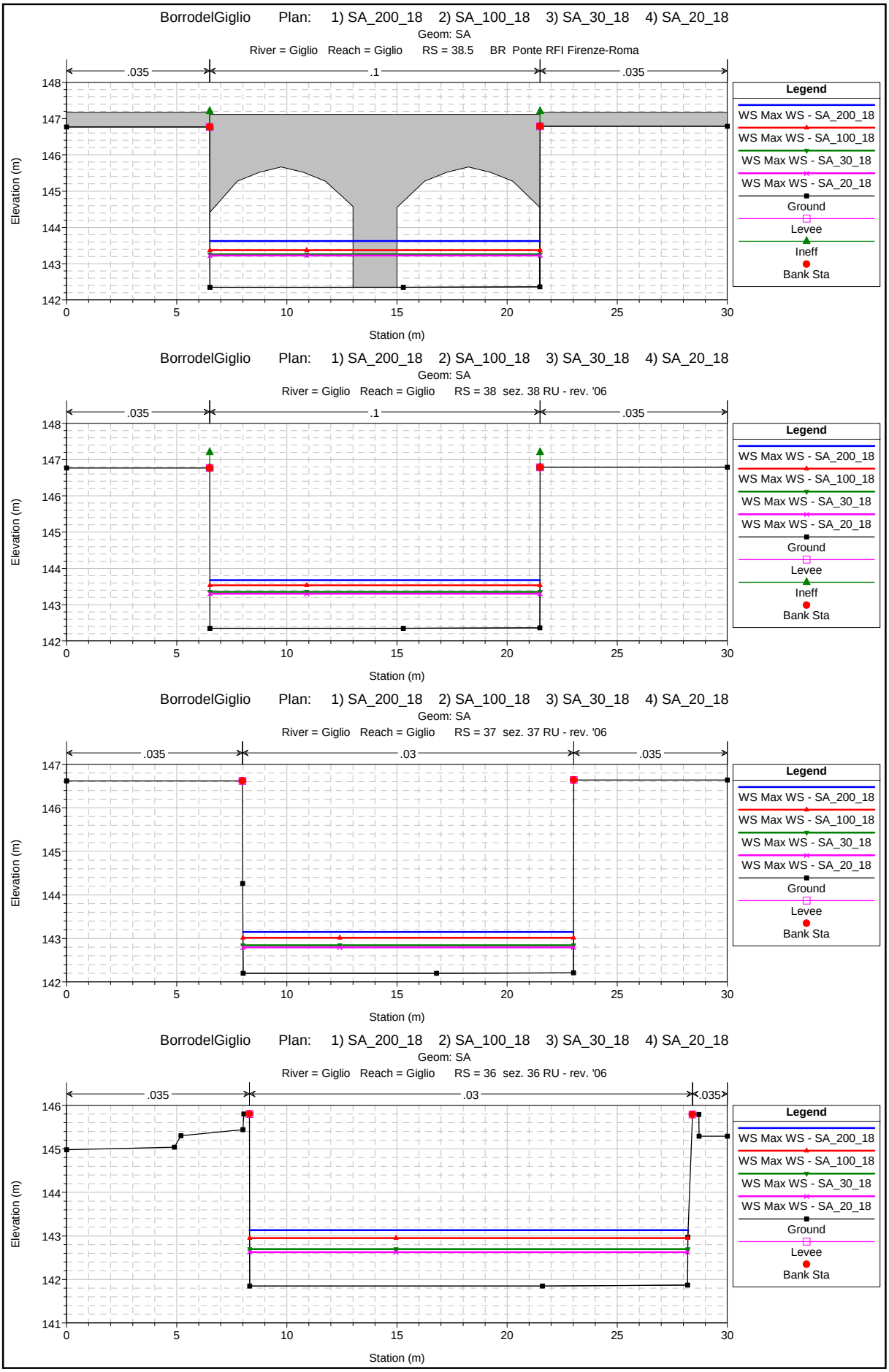


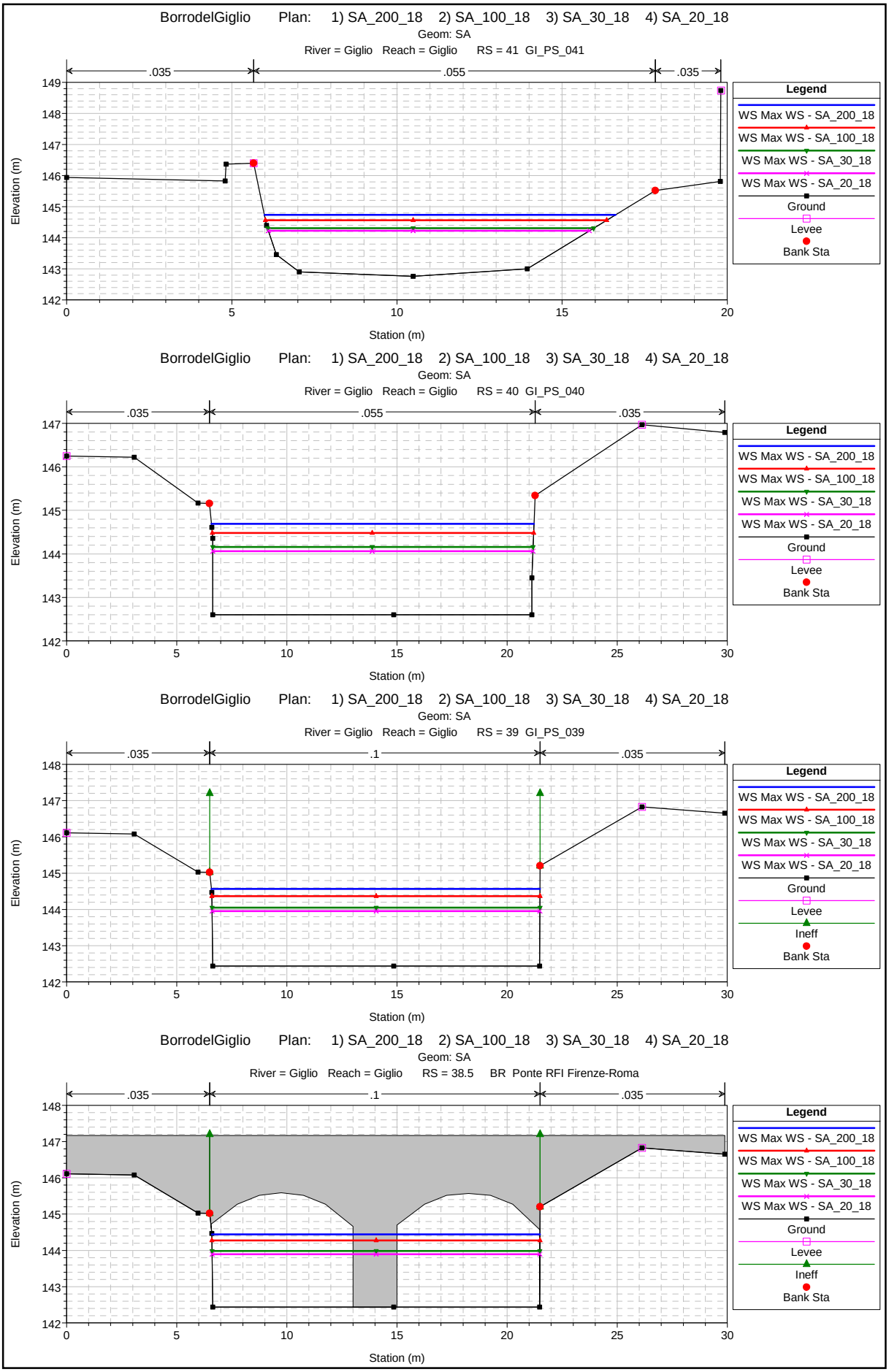
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

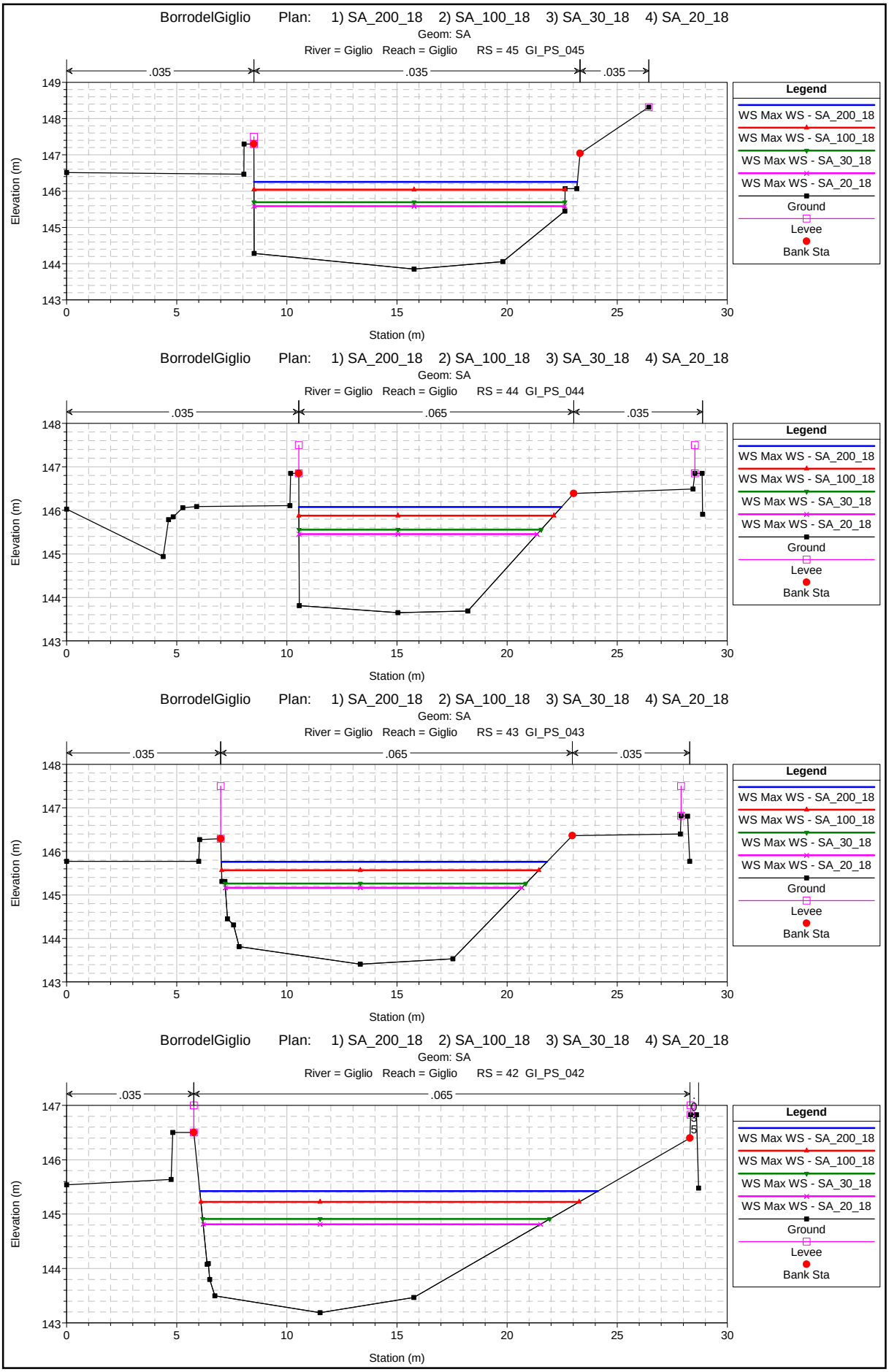
Geom: SA

River = Giglio Reach = Giglio RS = 34 GI_PS_34




BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 38 sez. 38 RU - rev. '06
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 37 sez. 37 RU - rev. '06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 36 sez. 36 RU - rev. '06
.035
.03
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

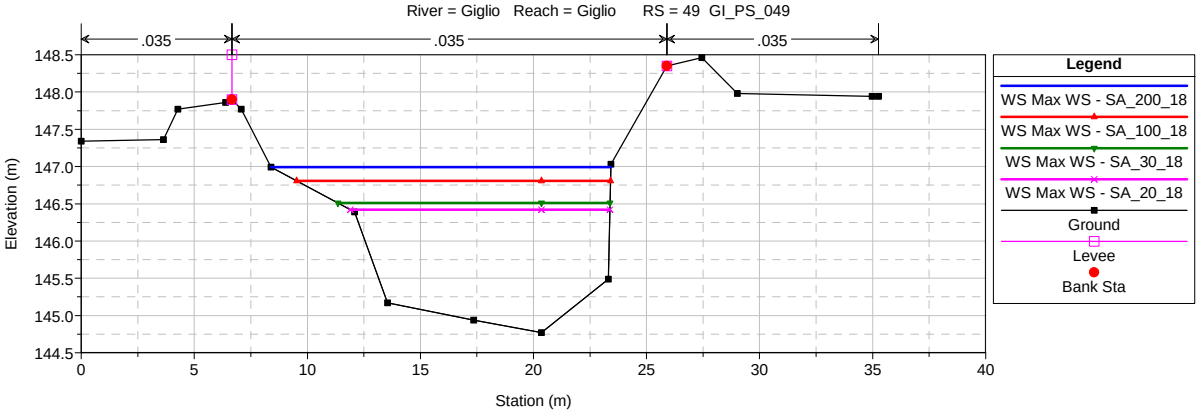

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 41 GI_PS_041
.035
.055
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 40 GI_PS_040
.035
.055
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 39 GI_PS_039
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 38.5 BR Ponte RFI Firenze-Roma
.035
.1
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 45 GI_PS_045
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 44 GI_PS_044
.035
.065
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 43 GI_PS_043
.035
.065
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 42 GI_PS_042
.035
.065
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

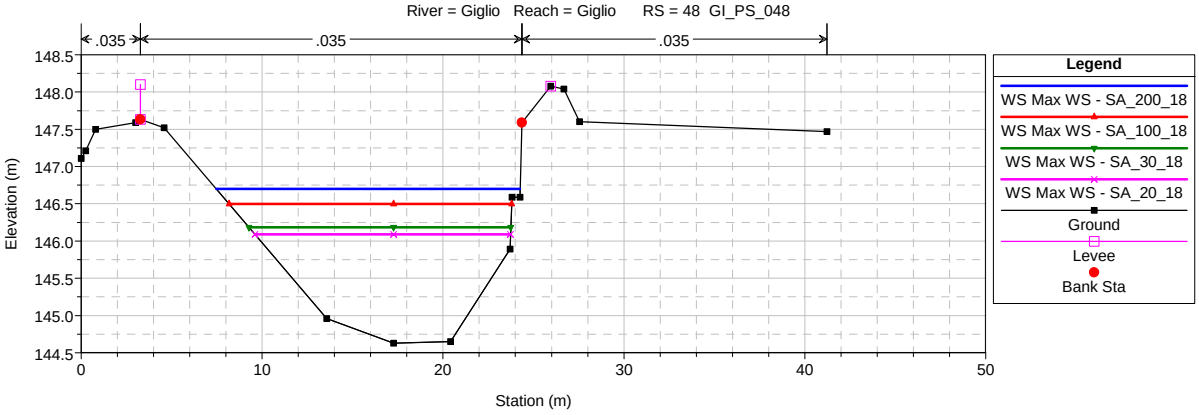
River = Giglio Reach = Giglio RS = 49 GI_PS_049



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

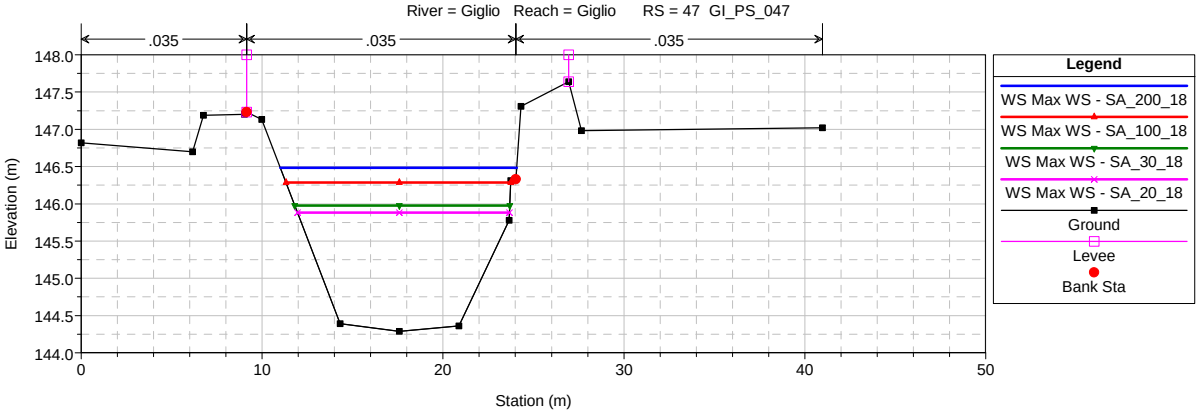
River = Giglio Reach = Giglio RS = 48 GI_PS_048



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

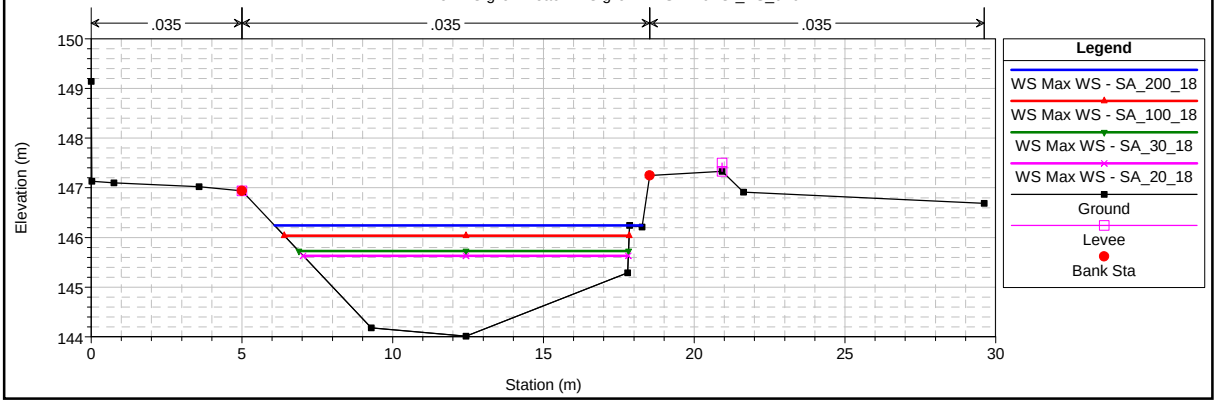
River = Giglio Reach = Giglio RS = 47 GI_PS_047



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

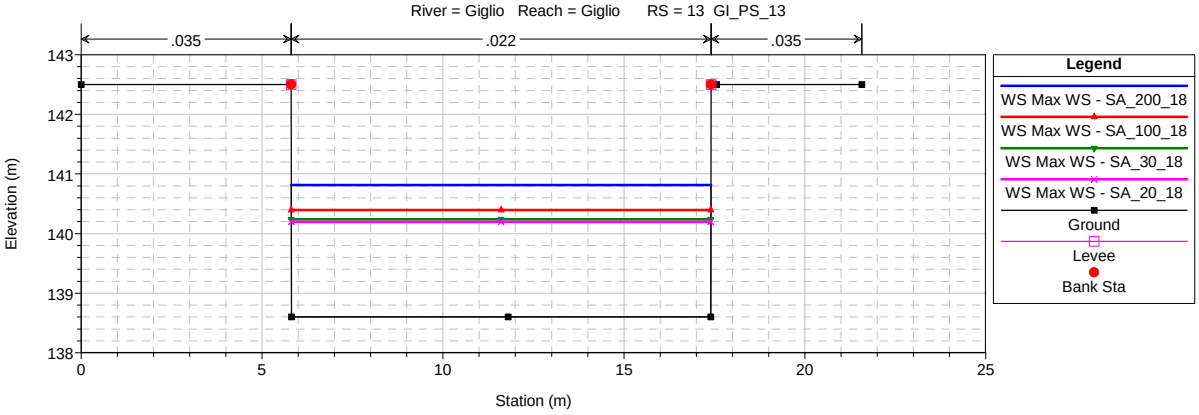
River = Giglio Reach = Giglio RS = 46 GI_PS_046



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

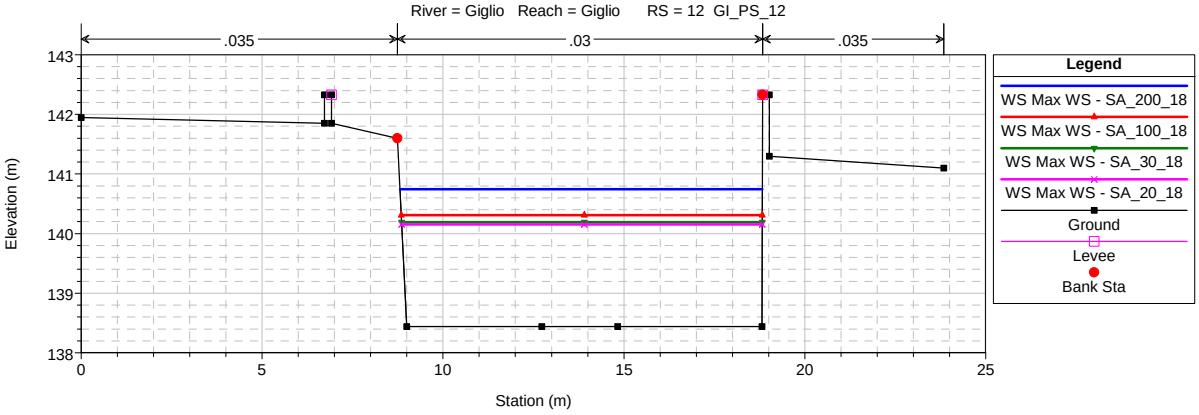
River = Giglio Reach = Giglio RS = 13 GI_PS_13



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

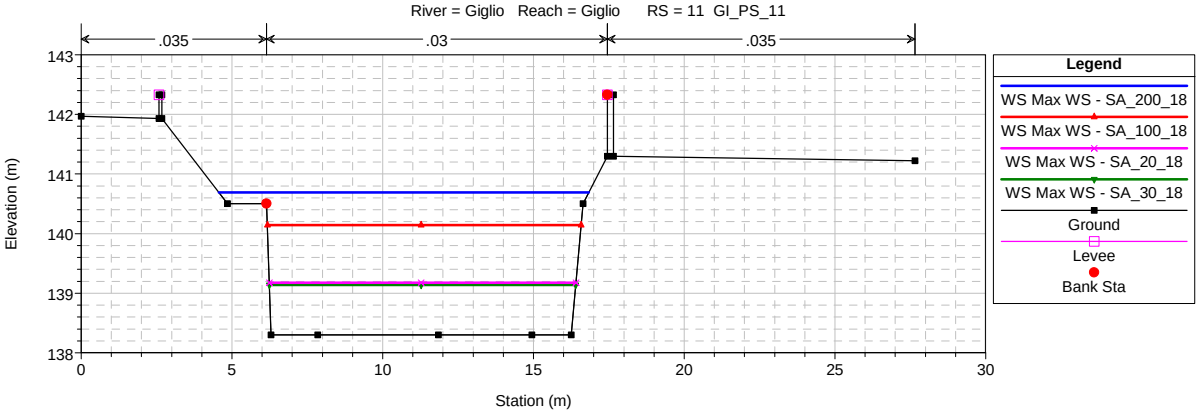
River = Giglio Reach = Giglio RS = 12 GI_PS_12



BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

Geom: SA

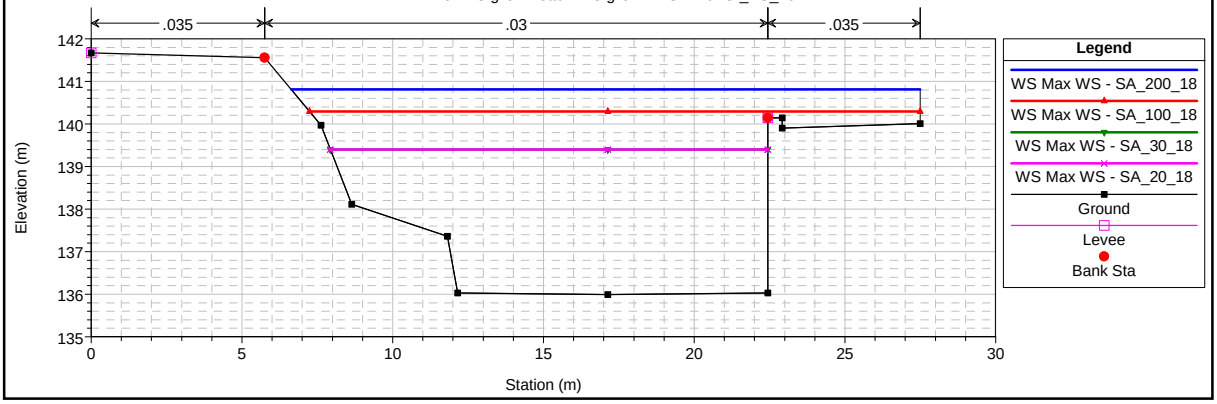
River = Giglio Reach = Giglio RS = 11 GI_PS_11

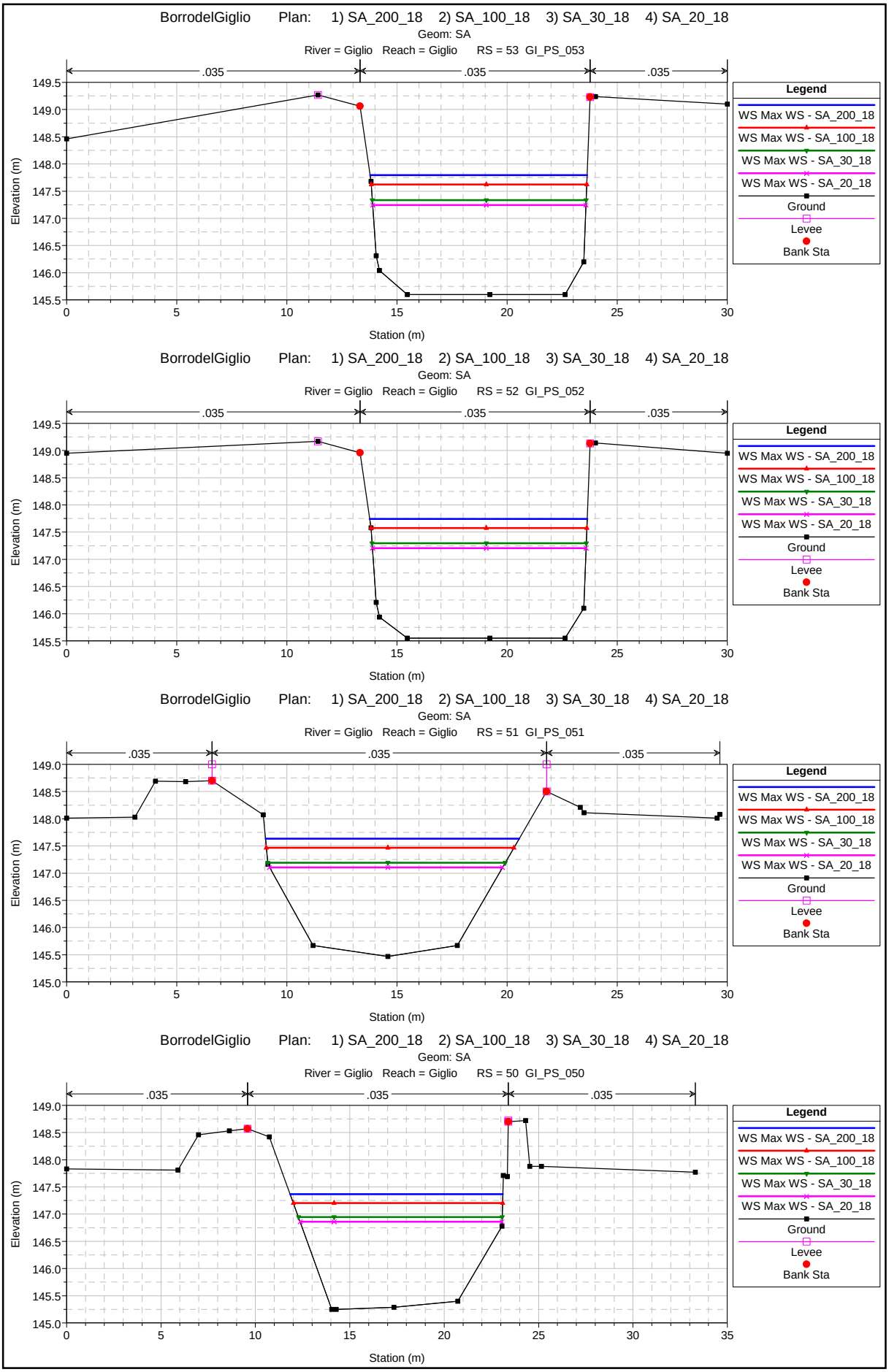


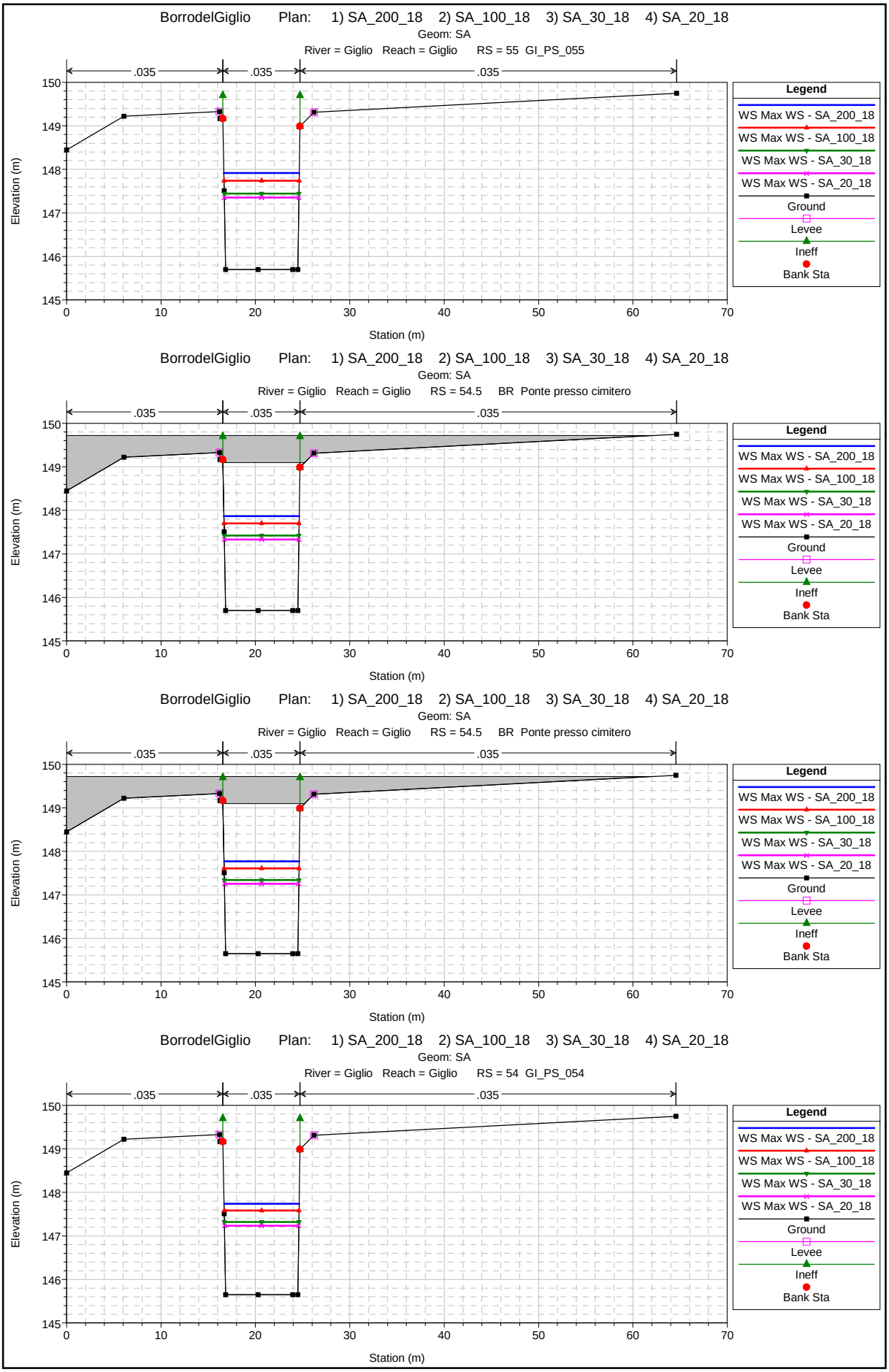
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18

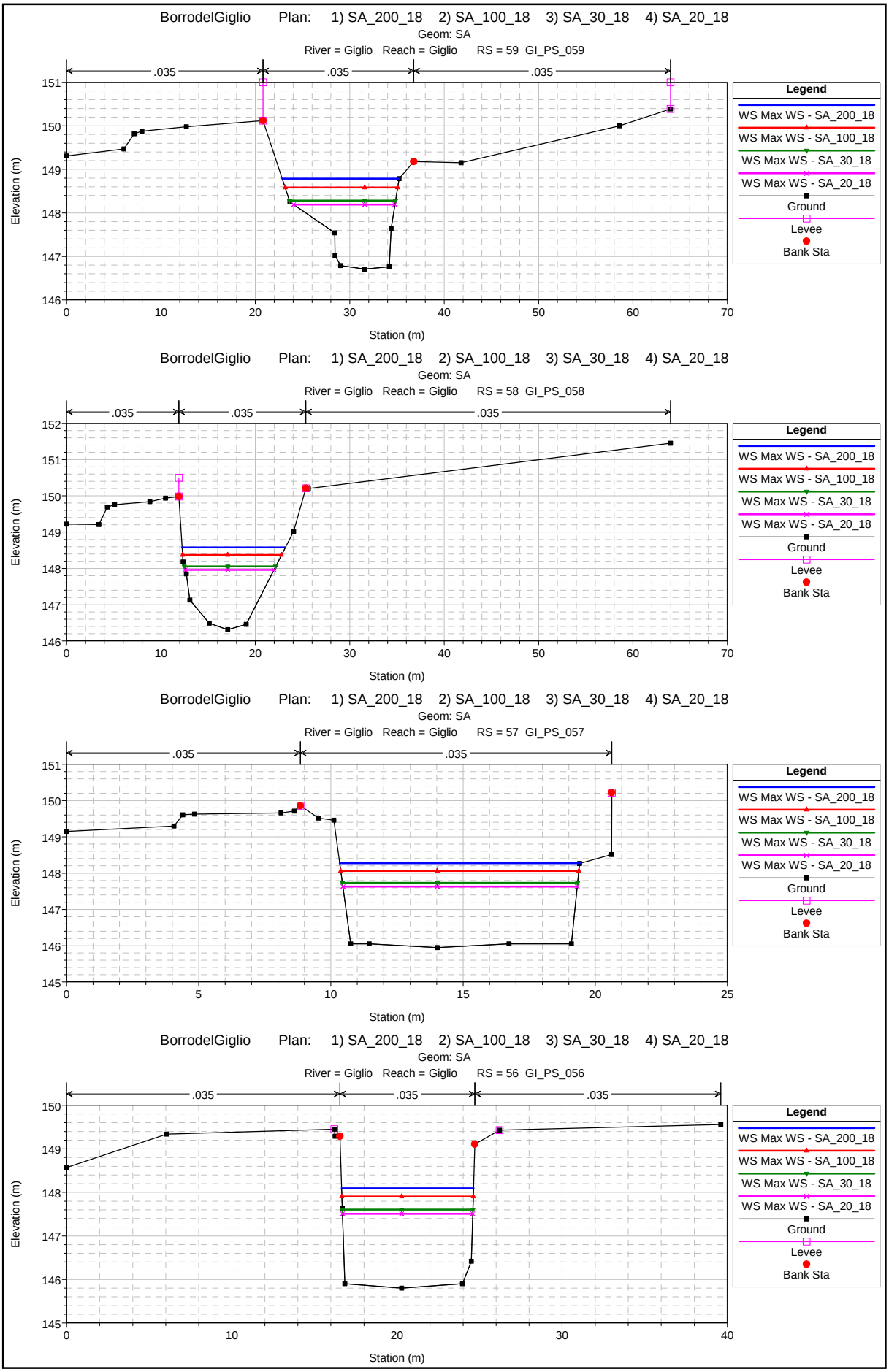
Geom: SA

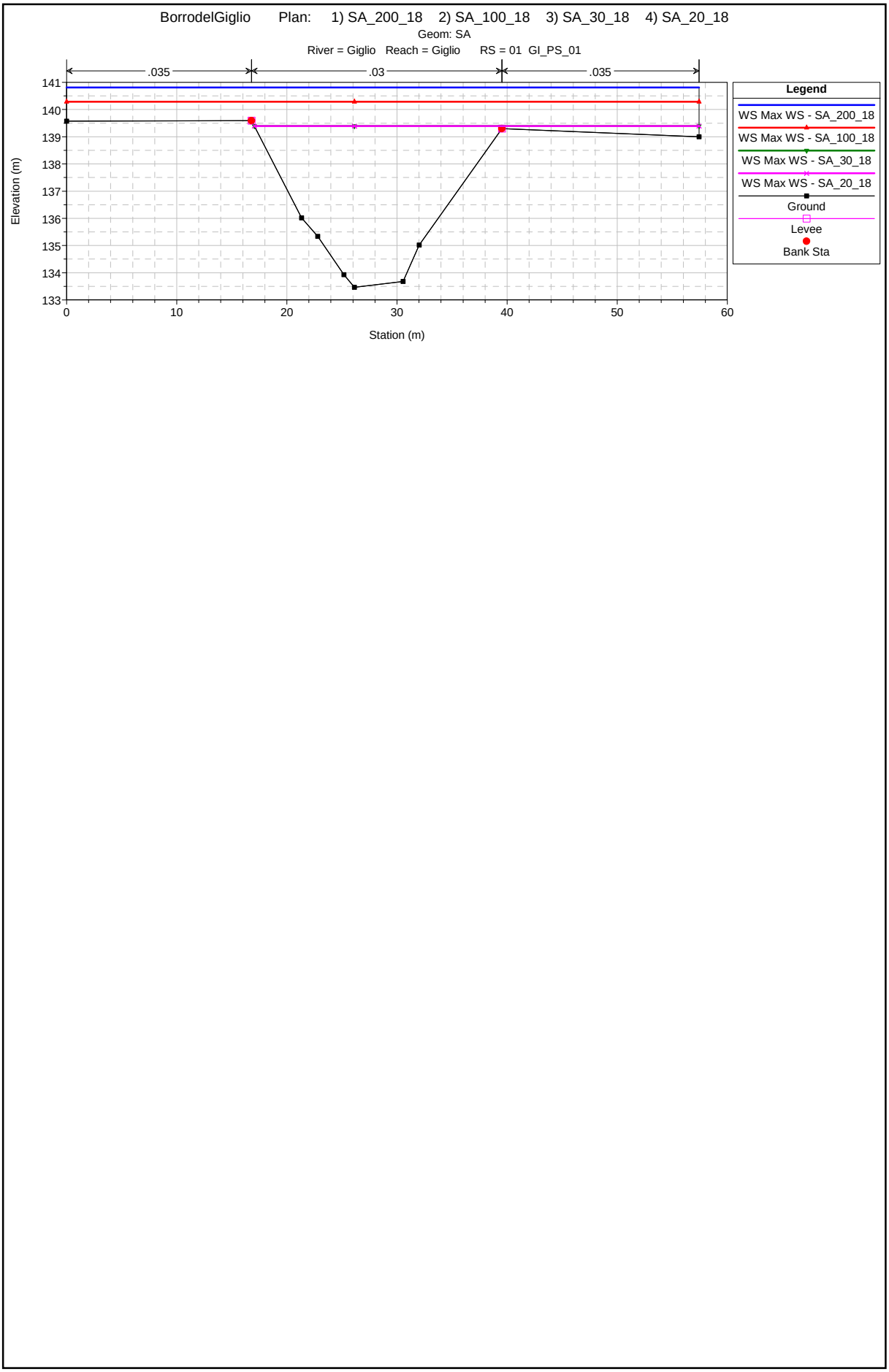
River = Giglio Reach = Giglio RS = 10 GI_PS_10




BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 53 GI_PS_053
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 52 GI_PS_052
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 51 GI_PS_051
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 50 GI_PS_050
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 55 GI_PS_055
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 54.5 BR Ponte presso cimitero
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 54 GI_PS_054
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Ineff
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 59 GI_PS_059
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 58 GI_PS_058
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 57 GI_PS_057
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta
BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 56 GI_PS_056
.035
.035
.035
Elevation (m)
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta


BorrodelGiglio Plan: 1) SA_200_18 2) SA_100_18 3) SA_30_18 4) SA_20_18
Geom: SA
River = Giglio Reach = Giglio RS = 01 GI_PS_01
.035
.03
.035
Elevation (m)
141
140
139
138
137
136
135
134
133
0
10
20
30
40
50
60
Station (m)
Legend
WS Max WS - SA_200_18
WS Max WS - SA_100_18
WS Max WS - SA_30_18
WS Max WS - SA_20_18
Ground
Levee
Bank Sta

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	59	Max WS	SA_200_18	44.81	146.71	148.79		149.14	0.006896	2.64	16.96	12.39	0.72
Giglio	59	Max WS	SA_100_18	37.71	146.71	148.58		148.93	0.007787	2.60	14.48	11.93	0.75
Giglio	59	Max WS	SA_30_18	27.58	146.71	148.28		148.60	0.009542	2.51	10.98	11.24	0.81
Giglio	59	Max WS	SA_20_18	24.70	146.71	148.19		148.50	0.009919	2.48	9.98	10.72	0.82
Giglio	58	Max WS	SA_200_18	44.81	146.31	148.58		148.92	0.005384	2.60	17.22	10.94	0.66
Giglio	58	Max WS	SA_100_18	37.71	146.31	148.37		148.69	0.005628	2.52	14.98	10.48	0.67
Giglio	58	Max WS	SA_30_18	27.58	146.31	148.05		148.33	0.005918	2.34	11.77	9.68	0.68
Giglio	58	Max WS	SA_20_18	24.70	146.31	147.96		148.22	0.005917	2.27	10.87	9.39	0.67
Giglio	57	Max WS	SA_200_18	44.81	145.95	148.27		148.54	0.003633	2.28	19.64	9.09	0.50
Giglio	57	Max WS	SA_100_18	37.71	145.95	148.06		148.29	0.003443	2.12	17.75	9.01	0.48
Giglio	57	Max WS	SA_30_18	27.58	145.95	147.73		147.91	0.003151	1.87	14.77	8.90	0.46
Giglio	57	Max WS	SA_20_18	24.70	145.95	147.63		147.79	0.003070	1.79	13.83	8.87	0.46
Giglio	56	Max WS	SA_200_18	44.81	145.80	148.10		148.44	0.004856	2.58	17.36	7.99	0.56
Giglio	56	Max WS	SA_100_18	37.71	145.80	147.91		148.20	0.004451	2.38	15.86	7.96	0.54
Giglio	56	Max WS	SA_30_18	27.58	145.80	147.60		147.82	0.003824	2.05	13.46	7.90	0.50
Giglio	56	Max WS	SA_20_18	24.70	145.80	147.51		147.70	0.003632	1.94	12.70	7.89	0.49
Giglio	55	Max WS	SA_200_18	44.81	145.70	147.92	147.21	148.26	0.005056	2.58	17.35	8.00	0.56
Giglio	55	Max WS	SA_100_18	37.71	145.70	147.74	147.05	148.02	0.004585	2.37	15.92	7.97	0.53
Giglio	55	Max WS	SA_30_18	27.58	145.70	147.44	146.79	147.65	0.003878	2.03	13.59	7.92	0.49
Giglio	55	Max WS	SA_20_18	24.70	145.70	147.35	146.72	147.54	0.003665	1.92	12.85	7.91	0.48
Giglio	54.5			Bridge									
Giglio	54	Max WS	SA_200_18	44.81	145.65	147.74		148.12	0.006014	2.74	16.33	7.97	0.61
Giglio	54	Max WS	SA_100_18	37.71	145.65	147.58		147.90	0.005353	2.50	15.09	7.94	0.58
Giglio	54	Max WS	SA_30_18	27.58	145.65	147.32		147.55	0.004415	2.12	13.00	7.90	0.53
Giglio	54	Max WS	SA_20_18	24.70	145.65	147.23		147.44	0.004148	2.00	12.32	7.89	0.51
Giglio	53	Max WS	SA_200_18	44.81	145.60	147.80		148.04	0.003233	2.20	20.40	9.85	0.49
Giglio	53	Max WS	SA_100_18	37.71	145.60	147.62		147.83	0.002954	2.02	18.69	9.79	0.47
Giglio	53	Max WS	SA_30_18	27.58	145.60	147.34		147.49	0.002541	1.73	15.90	9.71	0.43
Giglio	53	Max WS	SA_20_18	24.70	145.60	147.24		147.38	0.002418	1.65	15.01	9.69	0.42
Giglio	52	Max WS	SA_200_18	44.81	145.55	147.74		147.99	0.003229	2.19	20.44	9.88	0.49

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	52	Max WS	SA_100_18	37.71	145.55	147.57		147.78	0.002922	2.01	18.78	9.80	0.46
Giglio	52	Max WS	SA_30_18	27.58	145.55	147.30		147.45	0.002471	1.72	16.08	9.73	0.43
Giglio	52	Max WS	SA_20_18	24.70	145.55	147.21		147.34	0.002337	1.62	15.21	9.70	0.41
Giglio	51.9			Lat Struct									
Giglio	51.8			Lat Struct									
Giglio	51	Max WS	SA_200_18	44.81	145.47	147.63		147.92	0.004262	2.38	18.80	11.52	0.60
Giglio	51	Max WS	SA_100_18	37.71	145.47	147.46		147.72	0.004116	2.23	16.88	11.24	0.58
Giglio	51	Max WS	SA_30_18	27.58	145.47	147.19		147.39	0.003903	1.99	13.86	10.78	0.56
Giglio	51	Max WS	SA_20_18	24.70	145.47	147.10		147.29	0.003822	1.91	12.93	10.58	0.55
Giglio	50	Max WS	SA_200_18	44.81	145.25	147.37		147.65	0.004058	2.35	19.09	11.27	0.58
Giglio	50	Max WS	SA_100_18	37.71	145.25	147.21		147.45	0.003849	2.18	17.28	11.08	0.56
Giglio	50	Max WS	SA_30_18	27.58	145.25	146.94		147.13	0.003507	1.91	14.42	10.79	0.53
Giglio	50	Max WS	SA_20_18	24.70	145.25	146.86		147.03	0.003411	1.83	13.52	10.70	0.52
Giglio	49	Max WS	SA_200_18	44.81	144.77	146.99		147.20	0.003472	2.01	22.25	15.03	0.53
Giglio	49	Max WS	SA_100_18	37.71	144.77	146.81		147.00	0.003386	1.93	19.56	13.88	0.52
Giglio	49	Max WS	SA_30_18	27.58	144.77	146.51		146.67	0.003081	1.75	15.73	12.04	0.49
Giglio	49	Max WS	SA_20_18	24.70	144.77	146.42		146.57	0.002913	1.68	14.68	11.49	0.47
Giglio	48	Max WS	SA_200_18	44.81	144.63	146.70		146.88	0.003058	1.90	23.63	16.79	0.51
Giglio	48	Max WS	SA_100_18	37.71	144.63	146.50		146.67	0.003212	1.85	20.33	15.62	0.52
Giglio	48	Max WS	SA_30_18	27.58	144.63	146.18		146.34	0.003660	1.77	15.62	14.47	0.54
Giglio	48	Max WS	SA_20_18	24.70	144.63	146.09		146.24	0.003817	1.73	14.27	14.12	0.55
Giglio	47	Max WS	SA_200_18	44.81	144.29	146.48		146.70	0.003076	2.07	21.61	13.07	0.51
Giglio	47	Max WS	SA_100_18	37.71	144.29	146.29		146.48	0.003101	1.98	19.06	12.42	0.51
Giglio	47	Max WS	SA_30_18	27.58	144.29	145.98		146.14	0.003154	1.80	15.30	11.88	0.51
Giglio	47	Max WS	SA_20_18	24.70	144.29	145.88		146.04	0.003167	1.74	14.18	11.71	0.51
Giglio	46	Max WS	SA_200_18	44.81	144.01	146.24		146.54	0.004778	2.41	18.63	12.19	0.62
Giglio	46	Max WS	SA_100_18	37.71	144.01	146.04		146.31	0.004806	2.32	16.26	11.45	0.62
Giglio	46	Max WS	SA_30_18	27.58	144.01	145.73		145.97	0.005229	2.16	12.77	10.94	0.64
Giglio	46	Max WS	SA_20_18	24.70	144.01	145.63		145.86	0.005395	2.10	11.74	10.78	0.64

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	45	Max WS	SA_200_18	44.81	143.85	146.25		146.37	0.001438	1.52	29.50	14.68	0.34
Giglio	45	Max WS	SA_100_18	37.71	143.85	146.04		146.14	0.001375	1.43	26.36	14.13	0.33
Giglio	45	Max WS	SA_30_18	27.58	143.85	145.69		145.78	0.001371	1.28	21.50	14.12	0.33
Giglio	45	Max WS	SA_20_18	24.70	143.85	145.59		145.66	0.001386	1.24	19.95	14.12	0.33
Giglio	44.9			Lat Struct									
Giglio	44	Max WS	SA_200_18	44.81	143.65	146.08		146.27	0.008554	1.92	23.29	11.93	0.44
Giglio	44	Max WS	SA_100_18	37.71	143.65	145.88		146.04	0.008172	1.80	20.93	11.57	0.43
Giglio	44	Max WS	SA_30_18	27.58	143.65	145.56		145.69	0.007512	1.59	17.29	11.00	0.41
Giglio	44	Max WS	SA_20_18	24.70	143.65	145.45		145.57	0.007303	1.53	16.17	10.81	0.40
Giglio	43	Max WS	SA_200_18	44.81	143.41	145.76		145.90	0.006042	1.65	27.24	14.79	0.39
Giglio	43	Max WS	SA_100_18	37.71	143.41	145.57		145.69	0.005869	1.54	24.41	14.41	0.38
Giglio	43	Max WS	SA_30_18	27.58	143.41	145.26		145.36	0.005487	1.37	20.07	13.66	0.36
Giglio	43	Max WS	SA_20_18	24.70	143.41	145.16		145.25	0.005383	1.32	18.74	13.46	0.36
Giglio	42	Max WS	SA_200_18	44.81	143.19	145.42		145.56	0.006961	1.61	27.79	18.07	0.41
Giglio	42	Max WS	SA_100_18	37.71	143.19	145.22		145.35	0.007173	1.55	24.28	17.17	0.42
Giglio	42	Max WS	SA_30_18	27.58	143.19	144.91		145.02	0.007465	1.44	19.14	15.76	0.42
Giglio	42	Max WS	SA_20_18	24.70	143.19	144.81		144.91	0.007552	1.40	17.63	15.32	0.42
Giglio	41	Max WS	SA_200_18	44.81	142.76	144.74		145.11	0.014703	2.69	16.64	10.63	0.69
Giglio	41	Max WS	SA_100_18	37.71	142.76	144.57		144.89	0.014450	2.54	14.83	10.33	0.68
Giglio	41	Max WS	SA_30_18	27.58	142.76	144.30		144.56	0.013580	2.26	12.20	9.87	0.65
Giglio	41	Max WS	SA_20_18	24.70	142.76	144.23		144.46	0.013182	2.16	11.43	9.72	0.64
Giglio	40	Max WS	SA_200_18	44.81	142.60	144.69		144.80	0.003445	1.48	30.38	14.65	0.33
Giglio	40	Max WS	SA_100_18	37.71	142.60	144.48		144.58	0.003358	1.38	27.35	14.60	0.32
Giglio	40	Max WS	SA_30_18	27.58	142.60	144.16		144.24	0.003204	1.22	22.66	14.55	0.31
Giglio	40	Max WS	SA_20_18	24.70	142.60	144.06		144.13	0.003161	1.17	21.20	14.55	0.31
Giglio	39	Max WS	SA_200_18	44.81	142.44	144.57	143.41	144.67	0.010254	1.42	31.62	14.92	0.31
Giglio	39	Max WS	SA_100_18	37.71	142.44	144.36	143.31	144.45	0.009855	1.32	28.61	14.90	0.30
Giglio	39	Max WS	SA_30_18	27.58	142.44	144.05	143.15	144.12	0.009137	1.15	23.92	14.89	0.29
Giglio	39	Max WS	SA_20_18	24.70	142.44	143.95	143.10	144.01	0.008903	1.10	22.47	14.89	0.29
Giglio	38.5			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	38	Max WS	SA_200_18	44.81	142.35	143.67		143.93	0.043844	2.26	19.80	14.99	0.63
Giglio	38	Max WS	SA_100_18	37.71	142.35	143.53		143.76	0.044488	2.14	17.66	14.99	0.63
Giglio	38	Max WS	SA_30_18	27.58	142.35	143.35		143.52	0.040145	1.84	14.97	14.98	0.59
Giglio	38	Max WS	SA_20_18	24.70	142.35	143.30		143.45	0.038004	1.74	14.21	14.98	0.57
Giglio	37	Max WS	SA_200_18	44.81	142.20	143.15	143.17	143.66	0.011193	3.15	14.24	15.01	1.03
Giglio	37	Max WS	SA_100_18	37.71	142.20	143.02	143.07	143.50	0.012941	3.09	12.21	15.01	1.09
Giglio	37	Max WS	SA_30_18	27.58	142.20	142.84	142.90	143.26	0.014848	2.86	9.63	15.01	1.14
Giglio	37	Max WS	SA_20_18	24.70	142.20	142.80	142.85	143.19	0.015203	2.77	8.93	15.01	1.14
Giglio	36	Max WS	SA_200_18	44.81	141.85	143.13		143.29	0.002345	1.76	25.50	19.92	0.50
Giglio	36	Max WS	SA_100_18	37.71	141.85	142.95		143.10	0.002729	1.73	21.82	19.90	0.53
Giglio	36	Max WS	SA_30_18	27.58	141.85	142.70		142.84	0.003377	1.64	16.81	19.90	0.57
Giglio	36	Max WS	SA_20_18	24.70	141.85	142.63		142.76	0.003567	1.60	15.44	19.90	0.58
Giglio	35	Max WS	SA_200_18	44.81	141.70	143.09	142.50	143.23	0.000975	1.62	27.63	19.86	0.44
Giglio	35	Max WS	SA_100_18	37.71	141.70	142.89	142.42	143.02	0.001133	1.59	23.65	19.85	0.47
Giglio	35	Max WS	SA_30_18	27.58	141.70	142.60	142.28	142.72	0.001472	1.54	17.93	19.85	0.52
Giglio	35	Max WS	SA_20_18	24.70	141.70	142.52	142.24	142.64	0.001611	1.52	16.29	19.85	0.53
Giglio	34.5			Bridge									
Giglio	34	Max WS	SA_200_18	44.81	141.60	143.07		143.18	0.000798	1.51	29.58	20.40	0.40
Giglio	34	Max WS	SA_100_18	37.71	141.60	142.86		142.97	0.000922	1.49	25.36	20.33	0.42
Giglio	34	Max WS	SA_30_18	27.58	141.60	142.55		142.66	0.001208	1.44	19.16	20.22	0.47
Giglio	34	Max WS	SA_20_18	24.70	141.60	142.46		142.57	0.001328	1.42	17.38	20.19	0.49
Giglio	33	Max WS	SA_200_18	44.81	141.50	143.03		143.14	0.001297	1.45	30.88	20.42	0.38
Giglio	33	Max WS	SA_100_18	37.71	141.50	142.82		142.92	0.001488	1.42	26.51	20.35	0.40
Giglio	33	Max WS	SA_30_18	27.58	141.50	142.50		142.59	0.001962	1.38	19.99	20.24	0.44
Giglio	33	Max WS	SA_20_18	24.70	141.50	142.40		142.50	0.002189	1.37	18.04	20.20	0.46
Giglio	32	Max WS	SA_200_18	44.81	141.00	142.81		143.08	0.003216	2.29	19.55	13.25	0.60
Giglio	32	Max WS	SA_100_18	37.71	141.00	142.59		142.85	0.003535	2.25	16.77	12.62	0.62
Giglio	32	Max WS	SA_30_18	27.58	141.00	142.28		142.51	0.004000	2.13	12.94	11.69	0.65
Giglio	32	Max WS	SA_20_18	24.70	141.00	142.19		142.41	0.004118	2.08	11.89	11.42	0.65

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	31	Max WS	SA_200_18	44.81	140.55	142.31		142.66	0.004341	2.61	17.18	9.75	0.63
Giglio	31	Max WS	SA_100_18	37.71	140.55	142.09		142.41	0.004615	2.51	15.00	9.75	0.65
Giglio	31	Max WS	SA_30_18	27.55	140.55	141.76		142.04	0.005109	2.33	11.80	9.75	0.68
Giglio	31	Max WS	SA_20_18	24.67	140.55	141.67		141.93	0.005260	2.27	10.88	9.75	0.69
Giglio	30	Max WS	SA_200_18	44.81	140.40	142.26		142.53	0.003233	2.33	19.21	10.36	0.55
Giglio	30	Max WS	SA_100_18	37.71	140.40	142.02		142.28	0.003453	2.25	16.75	10.36	0.57
Giglio	30	Max WS	SA_30_18	27.55	140.40	141.66		141.89	0.003949	2.11	13.04	10.35	0.60
Giglio	30	Max WS	SA_20_18	24.67	140.40	141.55		141.77	0.004177	2.07	11.92	10.35	0.62
Giglio	29	Max WS	SA_200_18	44.81	140.23	142.28	141.39	142.47	0.001012	1.90	23.52	11.45	0.42
Giglio	29	Max WS	SA_100_18	37.71	140.23	142.04	141.26	142.21	0.001046	1.82	20.73	11.45	0.43
Giglio	29	Max WS	SA_30_18	27.55	140.23	141.67	141.07	141.81	0.001121	1.67	16.49	11.45	0.44
Giglio	29	Max WS	SA_20_18	24.67	140.23	141.56	141.01	141.69	0.001157	1.62	15.19	11.45	0.45
Giglio	28.5			Bridge									
Giglio	28	Max WS	SA_200_18	44.81	140.10	142.32		142.45	0.000643	1.60	27.98	12.65	0.34
Giglio	28	Max WS	SA_100_18	37.71	140.10	142.07		142.19	0.000650	1.52	24.85	12.64	0.35
Giglio	28	Max WS	SA_30_18	27.55	140.10	141.69		141.79	0.000662	1.37	20.09	12.62	0.35
Giglio	28	Max WS	SA_20_18	24.67	140.10	141.58		141.67	0.000669	1.32	18.63	12.62	0.35
Giglio	27	Max WS	SA_200_18	44.81	140.00	142.28		142.42	0.001267	1.66	27.06	11.86	0.35
Giglio	27	Max WS	SA_100_18	37.71	140.00	142.04		142.16	0.001258	1.56	24.16	11.85	0.35
Giglio	27	Max WS	SA_30_18	27.55	140.00	141.66		141.76	0.001237	1.40	19.73	11.85	0.35
Giglio	27	Max WS	SA_20_18	24.67	140.00	141.55		141.64	0.001233	1.34	18.37	11.85	0.34
Giglio	26	Max WS	SA_200_18	44.81	139.90	142.14		142.38	0.002477	2.18	20.57	9.20	0.47
Giglio	26	Max WS	SA_100_18	37.71	139.90	141.91		142.12	0.002409	2.04	18.44	9.19	0.46
Giglio	26	Max WS	SA_30_18	27.55	139.90	141.56		141.72	0.002268	1.81	15.22	9.19	0.45
Giglio	26	Max WS	SA_20_18	24.67	139.90	141.45		141.60	0.002224	1.73	14.23	9.19	0.44
Giglio	25	Max WS	SA_200_18	44.81	139.85	141.87		142.30	0.005289	2.92	15.36	7.60	0.65
Giglio	25	Max WS	SA_100_18	37.71	139.85	141.67		142.05	0.005090	2.73	13.82	7.60	0.65
Giglio	25	Max WS	SA_30_18	27.54	139.85	141.36		141.65	0.004654	2.40	11.49	7.60	0.62
Giglio	25	Max WS	SA_20_18	24.67	139.85	141.27		141.53	0.004515	2.29	10.78	7.60	0.61
Giglio	24	Max WS	SA_200_18	44.81	139.75	141.60		142.13	0.007039	3.22	13.90	7.54	0.76

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	24	Max WS	SA_100_18	37.71	139.75	141.41		141.88	0.006807	3.02	12.49	7.54	0.75
Giglio	24	Max WS	SA_30_18	27.54	139.75	141.15		141.50	0.006034	2.62	10.51	7.53	0.71
Giglio	24	Max WS	SA_20_18	24.66	139.75	141.07		141.38	0.005786	2.49	9.90	7.53	0.69
Giglio	23	Max WS	SA_200_18	44.80	139.60	141.53		141.75	0.002350	2.06	21.77	11.29	0.47
Giglio	23	Max WS	SA_100_18	37.71	139.60	141.30		141.50	0.002462	1.97	19.12	11.28	0.48
Giglio	23	Max WS	SA_30_18	27.53	139.60	140.99		141.15	0.002401	1.76	15.66	11.25	0.48
Giglio	23	Max WS	SA_20_18	24.65	139.60	140.90		141.04	0.002394	1.69	14.59	11.25	0.47
Giglio	22	Max WS	SA_200_18	44.80	139.50	141.38		141.65	0.003067	2.29	19.57	10.48	0.53
Giglio	22	Max WS	SA_100_18	37.71	139.50	141.14		141.39	0.003289	2.21	17.04	10.46	0.55
Giglio	22	Max WS	SA_30_18	27.52	139.50	140.85		141.04	0.003183	1.97	14.00	10.43	0.54
Giglio	22	Max WS	SA_20_18	24.65	139.50	140.75		140.94	0.003171	1.89	13.05	10.42	0.54
Giglio	21	Max WS	SA_200_18	44.80	139.22	141.31		141.50	0.002039	1.97	22.69	10.96	0.44
Giglio	21	Max WS	SA_100_18	37.70	139.22	141.05		141.24	0.002126	1.89	19.93	10.96	0.45
Giglio	21	Max WS	SA_30_18	27.52	139.22	140.76		140.90	0.001912	1.64	16.76	10.95	0.42
Giglio	21	Max WS	SA_20_18	24.64	139.22	140.67		140.80	0.001849	1.56	15.76	10.95	0.42
Giglio	20	Max WS	SA_200_18	44.79	139.20	141.23		141.44	0.002209	2.03	22.05	10.89	0.46
Giglio	20	Max WS	SA_100_18	37.37	139.20	140.98		141.17	0.002300	1.94	19.27	10.88	0.47
Giglio	20	Max WS	SA_30_18	27.52	139.20	140.70		140.84	0.002095	1.69	16.24	10.87	0.44
Giglio	20	Max WS	SA_20_18	24.64	139.20	140.61		140.74	0.002024	1.61	15.27	10.87	0.43
Giglio	19	Max WS	SA_200_18	44.78	139.10	141.13		141.34	0.002241	2.04	21.90	10.83	0.46
Giglio	19	Max WS	SA_100_18	37.34	139.10	140.87		141.06	0.002357	1.96	19.07	10.82	0.47
Giglio	19	Max WS	SA_30_18	27.52	139.10	140.60		140.75	0.002092	1.70	16.21	10.81	0.44
Giglio	19	Max WS	SA_20_18	24.63	139.10	140.52		140.65	0.001998	1.61	15.31	10.81	0.43
Giglio	18	Max WS	SA_200_18	44.77	139.04	141.05		141.26	0.002302	2.06	21.71	10.82	0.46
Giglio	18	Max WS	SA_100_18	37.33	139.04	140.78		140.98	0.002455	1.98	18.82	10.82	0.48
Giglio	18	Max WS	SA_30_18	27.52	139.04	140.53		140.68	0.002144	1.71	16.09	10.82	0.45
Giglio	18	Max WS	SA_20_18	24.63	139.04	140.45		140.58	0.002029	1.62	15.24	10.82	0.43
Giglio	17	Max WS	SA_200_18	44.73	139.00	140.98		141.21	0.002571	2.15	20.81	10.59	0.49
Giglio	17	Max WS	SA_100_18	37.31	139.00	140.70		140.93	0.002792	2.08	17.93	10.58	0.51
Giglio	17	Max WS	SA_30_18	27.51	139.00	140.47		140.63	0.002399	1.78	15.42	10.58	0.47
Giglio	17	Max WS	SA_20_18	24.63	139.00	140.39		140.54	0.002256	1.68	14.63	10.58	0.46

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	16	Max WS	SA_200_18	43.75	138.95	140.79		141.13	0.004179	2.56	17.08	10.24	0.63
Giglio	16	Max WS	SA_100_18	37.20	138.95	140.45		140.83	0.005945	2.73	13.65	10.18	0.75
Giglio	16	Max WS	SA_30_18	27.49	138.95	140.27		140.55	0.005118	2.34	11.76	10.14	0.69
Giglio	16	Max WS	SA_20_18	24.62	138.95	140.21		140.46	0.004776	2.20	11.20	10.13	0.67
Giglio	15	Max WS	SA_200_18	43.73	138.81	140.78		141.01	0.002434	2.10	20.84	10.64	0.48
Giglio	15	Max WS	SA_100_18	37.10	138.81	140.36		140.62	0.003646	2.27	16.32	10.60	0.58
Giglio	15	Max WS	SA_30_18	27.48	138.81	140.22		140.40	0.002657	1.85	14.87	10.59	0.50
Giglio	15	Max WS	SA_20_18	24.60	138.81	140.18		140.33	0.002327	1.70	14.44	10.58	0.47
Giglio	14	Max WS	SA_200_18	43.75	138.65	140.82	139.78	140.98	0.000791	1.74	25.21	11.60	0.38
Giglio	14	Max WS	SA_100_18	37.14	138.65	140.41	139.67	140.58	0.001079	1.82	20.38	11.60	0.44
Giglio	14	Max WS	SA_30_18	27.48	138.65	140.25	139.48	140.36	0.000784	1.48	18.56	11.60	0.37
Giglio	14	Max WS	SA_20_18	24.60	138.65	140.21	139.42	140.30	0.000686	1.36	18.04	11.60	0.35
Giglio	13.5			Bridge									
Giglio	13	Max WS	SA_200_18	43.75	138.60	140.81		140.96	0.000748	1.70	25.68	11.60	0.37
Giglio	13	Max WS	SA_100_18	37.12	138.60	140.39		140.56	0.001012	1.78	20.80	11.60	0.43
Giglio	13	Max WS	SA_30_18	27.48	138.60	140.24		140.35	0.000726	1.44	19.04	11.60	0.36
Giglio	13	Max WS	SA_20_18	24.62	138.60	140.20		140.29	0.000632	1.33	18.53	11.60	0.34
Giglio	12	Max WS	SA_200_18	43.72	138.44	140.75		140.93	0.001783	1.91	22.86	10.02	0.40
Giglio	12	Max WS	SA_100_18	37.06	138.44	140.31		140.51	0.002385	2.00	18.51	9.98	0.47
Giglio	12	Max WS	SA_30_18	27.48	138.44	140.19		140.32	0.001595	1.59	17.33	9.97	0.38
Giglio	12	Max WS	SA_20_18	24.60	138.44	140.16		140.26	0.001359	1.45	16.98	9.97	0.35
Giglio	11	Max WS	SA_200_18	33.08	138.30	140.69		140.78	0.000823	1.35	24.78	12.28	0.28
Giglio	11	Max WS	SA_100_18	27.90	138.30	140.14		140.25	0.001307	1.49	18.75	10.41	0.35
Giglio	11	Max WS	SA_30_18	27.08	138.30	139.14	139.21	139.66	0.014413	3.22	8.41	10.16	1.13
Giglio	11	Max WS	SA_20_18	22.57	138.30	139.17		139.51	0.008710	2.57	8.79	10.17	0.88
Giglio	10.99			Lat Struct									
Giglio	10	Max WS	SA_200_18	43.78	135.99	140.81		140.83	0.000134	0.68	67.01	20.86	0.11
Giglio	10	Max WS	SA_100_18	36.85	135.99	140.29		140.32	0.000148	0.67	56.38	20.25	0.11
Giglio	10	Max WS	SA_30_18	27.03	135.99	139.40		139.42	0.000141	0.65	41.56	14.51	0.12

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

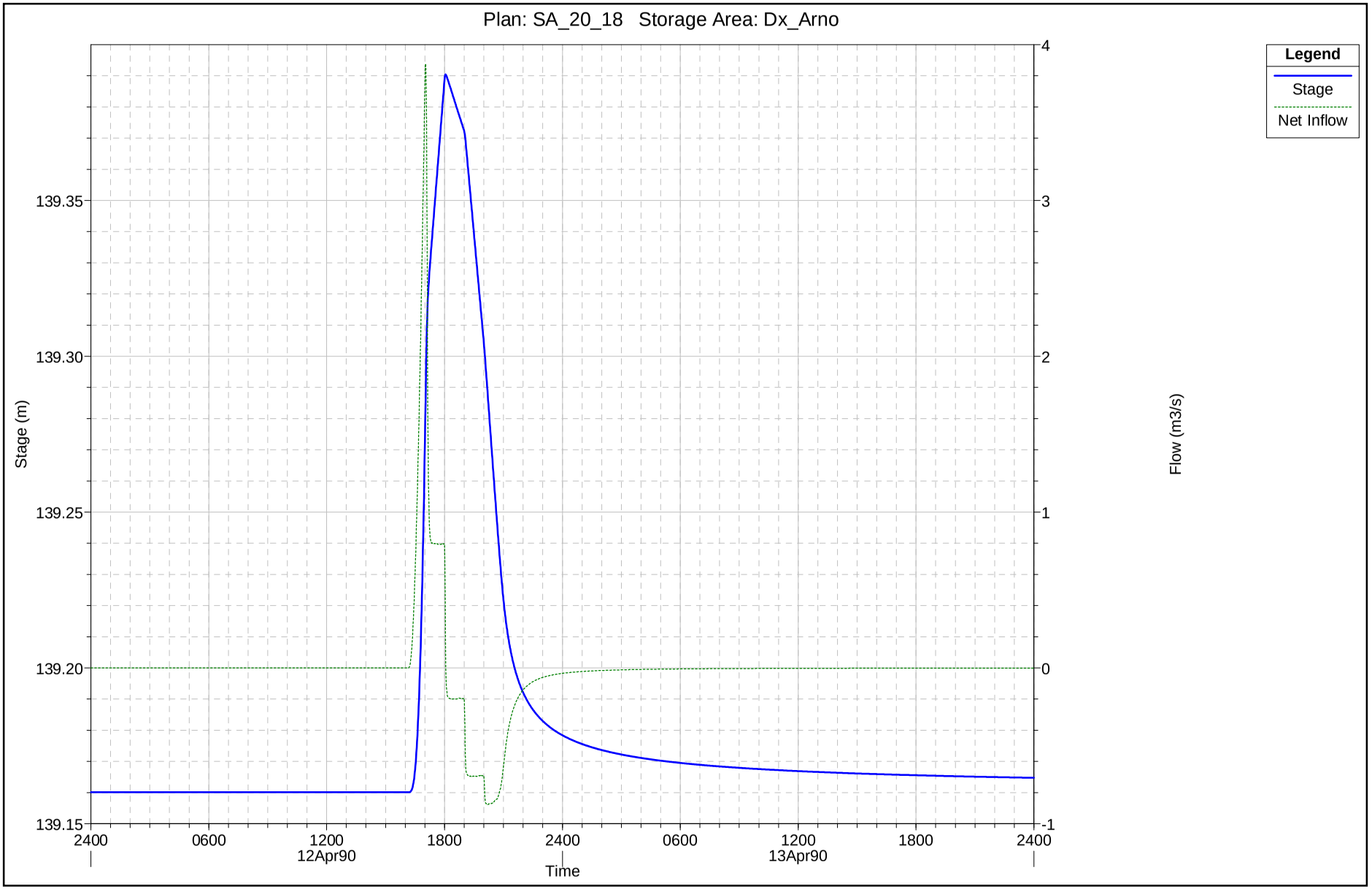
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	10	Max WS	SA_20_18	24.26	135.99	139.40		139.42	0.000114	0.58	41.54	14.51	0.11
Giglio	09	Max WS	SA_200_18	43.49	135.76	140.81		140.83	0.000074	0.63	74.38	26.21	0.10
Giglio	09	Max WS	SA_100_18	36.00	135.76	140.29		140.31	0.000087	0.62	60.98	25.51	0.11
Giglio	09	Max WS	SA_30_18	27.02	135.76	139.39		139.41	0.000137	0.65	41.63	16.90	0.13
Giglio	09	Max WS	SA_20_18	24.22	135.76	139.39		139.41	0.000110	0.58	41.63	16.90	0.12
Giglio	08	Max WS	SA_200_18	43.62	135.29	140.81		140.82	0.000073	0.62	80.90	35.75	0.10
Giglio	08	Max WS	SA_100_18	36.50	135.29	140.28		140.30	0.000094	0.64	62.42	35.11	0.11
Giglio	08	Max WS	SA_30_18	27.02	135.29	139.38		139.41	0.000145	0.68	39.98	15.87	0.14
Giglio	08	Max WS	SA_20_18	24.21	135.29	139.38		139.40	0.000116	0.61	40.01	15.87	0.12
Giglio	07	Max WS	SA_200_18	43.58	135.14	140.81		140.82	0.000044	0.45	100.80	36.37	0.08
Giglio	07	Max WS	SA_100_18	36.71	135.14	140.29		140.30	0.000057	0.46	82.04	35.68	0.09
Giglio	07	Max WS	SA_30_18	27.02	135.14	139.39		139.40	0.000082	0.50	54.25	22.94	0.10
Giglio	07	Max WS	SA_20_18	24.21	135.14	139.39		139.40	0.000066	0.45	54.26	22.95	0.09
Giglio	06	Max WS	SA_200_18	43.23	134.66	140.81		140.82	0.000039	0.43	104.54	36.37	0.08
Giglio	06	Max WS	SA_100_18	36.60	134.66	140.29		140.30	0.000051	0.44	85.78	35.68	0.08
Giglio	06	Max WS	SA_30_18	27.02	134.66	139.39		139.40	0.000068	0.47	58.00	22.94	0.09
Giglio	06	Max WS	SA_20_18	24.21	134.66	139.39		139.40	0.000055	0.42	58.00	22.94	0.08
Giglio	05	Max WS	SA_200_18	42.69	134.03	140.81		140.82	0.000021	0.36	123.96	33.54	0.06
Giglio	05	Max WS	SA_100_18	36.24	134.03	140.29		140.30	0.000023	0.35	106.79	32.46	0.06
Giglio	05	Max WS	SA_30_18	26.94	134.03	139.39		139.40	0.000029	0.35	78.37	30.83	0.06
Giglio	05	Max WS	SA_20_18	24.13	134.03	139.39		139.40	0.000024	0.31	78.35	30.83	0.06
Giglio	04	Max WS	SA_200_18	41.76	133.96	140.81		140.82	0.000019	0.35	125.67	33.12	0.05
Giglio	04	Max WS	SA_100_18	35.56	133.96	140.29		140.30	0.000021	0.34	108.70	32.09	0.06
Giglio	04	Max WS	SA_30_18	26.69	133.96	139.39		139.40	0.000026	0.34	80.59	30.45	0.06
Giglio	04	Max WS	SA_20_18	23.90	133.96	139.39		139.40	0.000021	0.30	80.58	30.44	0.05
Giglio	03	Max WS	SA_200_18	40.38	133.62	140.81		140.82	0.000020	0.37	117.60	31.26	0.06
Giglio	03	Max WS	SA_100_18	34.76	133.62	140.29		140.30	0.000022	0.37	101.50	30.62	0.06
Giglio	03	Max WS	SA_30_18	26.34	133.62	139.39		139.40	0.000028	0.37	74.44	29.51	0.06
Giglio	03	Max WS	SA_20_18	23.54	133.62	139.39		139.40	0.000022	0.33	74.43	29.51	0.06
Giglio	02	Max WS	SA_200_18	39.89	133.58	140.81		140.82	0.000019	0.36	122.96	46.74	0.05

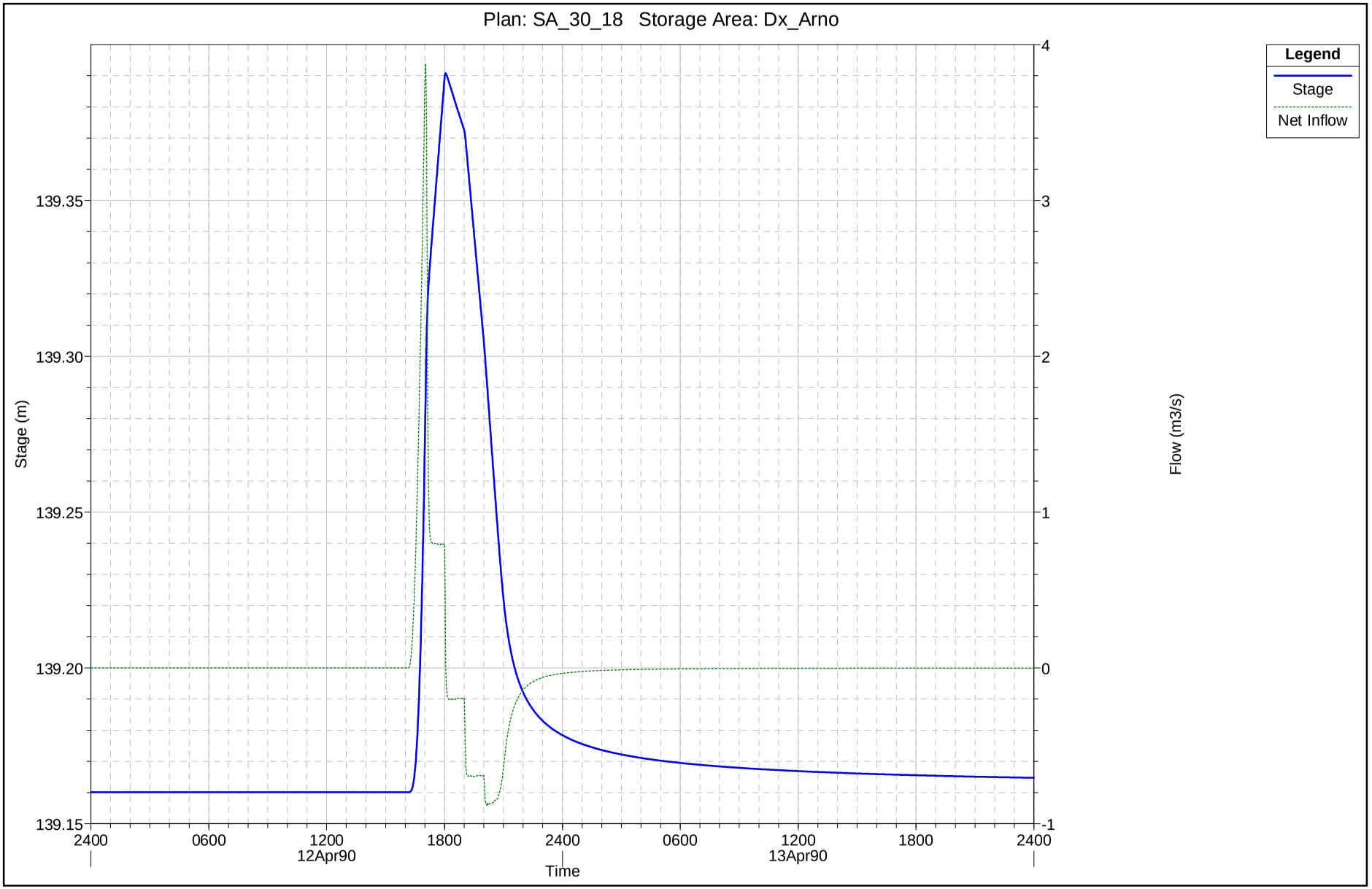
HEC-RAS River: Giglio Reach: Giglio Profile: Max WS (Continued)

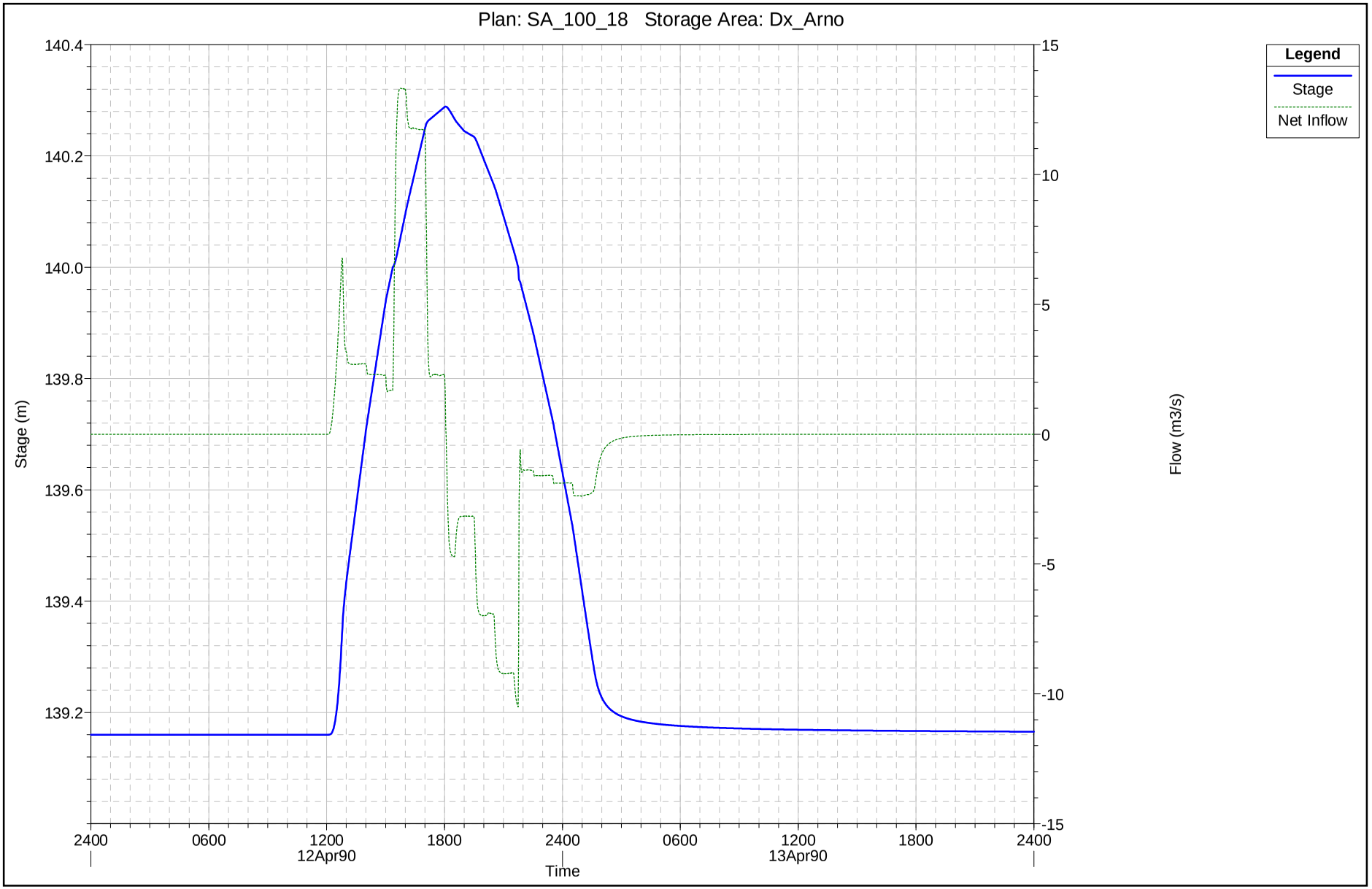
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Giglio	02	Max WS	SA_100_18	34.59	133.58	140.29		140.30	0.000022	0.37	101.94	33.34	0.06
Giglio	02	Max WS	SA_30_18	26.17	133.58	139.39		139.40	0.000028	0.36	72.41	32.22	0.06
Giglio	02	Max WS	SA_20_18	23.43	133.58	139.39		139.40	0.000022	0.33	72.41	32.22	0.06
Giglio	01	Max WS	SA_200_18	39.88	133.46	140.81	135.23	140.81	0.000012	0.30	161.86	57.43	0.04
Giglio	01	Max WS	SA_100_18	34.58	133.46	140.29	135.09	140.29	0.000015	0.31	132.00	57.43	0.05
Giglio	01	Max WS	SA_30_18	26.10	133.46	139.39	134.86	139.40	0.000022	0.33	83.52	40.39	0.06
Giglio	01	Max WS	SA_20_18	23.28	133.46	139.39	134.78	139.39	0.000017	0.29	83.52	40.39	0.05

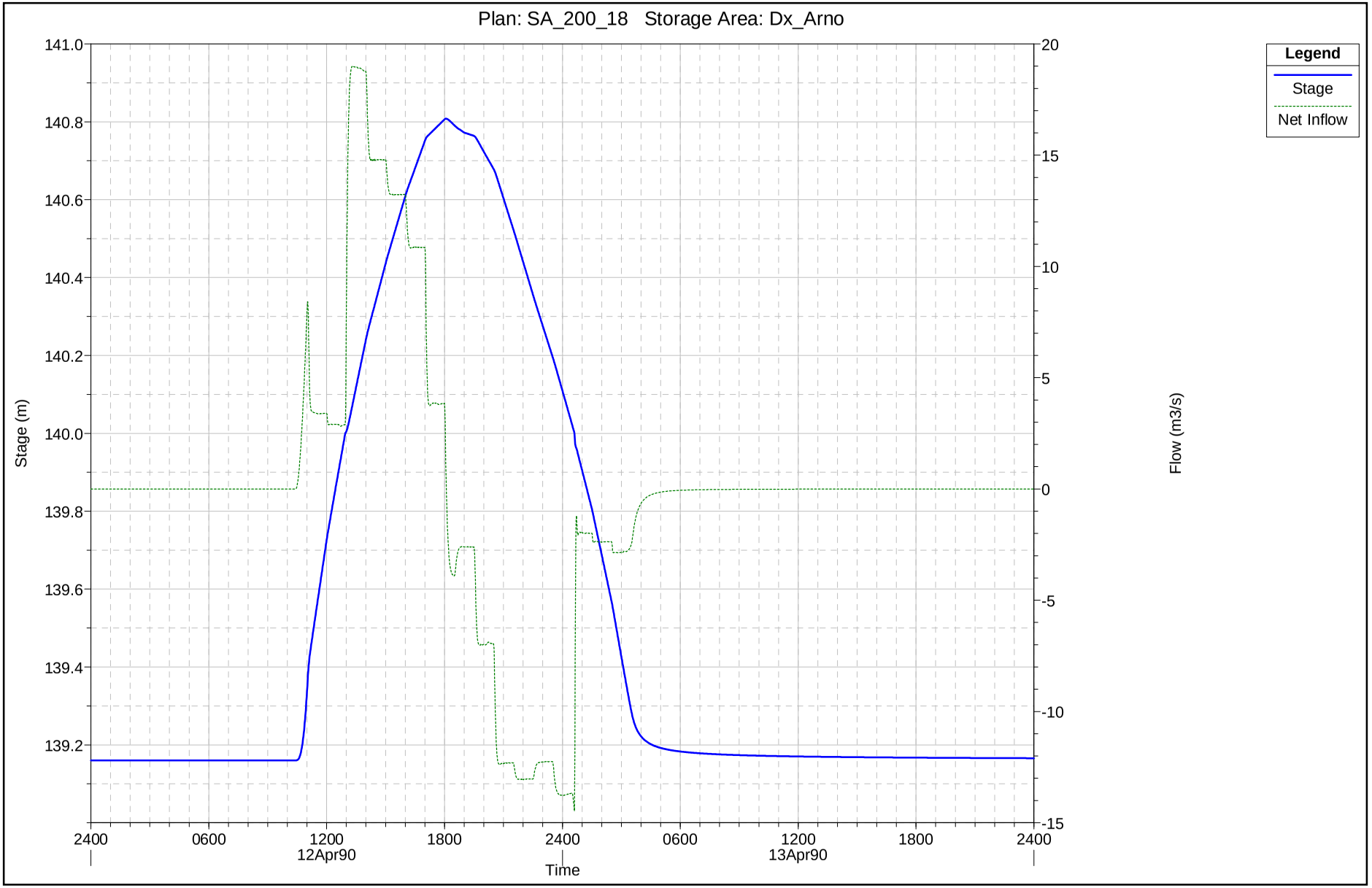
HEC-RAS Profile: Max WS

Storage Area	Profile	Plan	W.S. Elev	SA Min El	Net Flux	SA Area	SA Volume
			(m)	(m)	(m3/s)	(1000 m2)	(1000 m3)
Dx_Arno	Max WS	SA_200_18	140.81	139.16	2.39	278.42	255.03
Dx_Arno	Max WS	SA_100_18	140.29	139.16	1.40	278.42	110.51
Dx_Arno	Max WS	SA_30_18	139.39	139.16	0.42	35.88	8.28
Dx_Arno	Max WS	SA_20_18	139.39	139.16	0.40	35.88	8.27
Giglio_dx	Max WS	SA_200_18	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	SA_100_18	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	SA_30_18	144.00	144.00	0.00	50.00	0.00
Giglio_dx	Max WS	SA_20_18	144.00	144.00	0.00	50.00	0.00
Giglio_dx_valle	Max WS	SA_200_18	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	SA_100_18	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	SA_30_18	145.00	145.00	0.00	9.00	0.00
Giglio_dx_valle	Max WS	SA_20_18	145.00	145.00	0.00	9.00	0.00
Giglio_sx	Max WS	SA_200_18	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	SA_100_18	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	SA_30_18	144.00	144.00	0.00	24.01	0.00
Giglio_sx	Max WS	SA_20_18	144.00	144.00	0.00	24.01	0.00


Plan: SA_20_18 Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.35
139.30
139.25
139.20
139.15
4
3
2
1
0
-1
2400
0600
1200
1800
2400
0600
1200
1800
2400
12Apr90
13Apr90
Time


Plan: SA_30_18 Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
139.35
139.30
139.25
139.20
139.15
4
3
2
1
0
-1
2400
0600
1200
1800
2400
0600
1200
1800
2400
12Apr90
13Apr90
Time


Plan: SA_100_18 Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
140.4
140.2
140.0
139.8
139.6
139.4
139.2
15
10
5
0
-5
-10
-15
2400
0600
1200
1800
2400
0600
1200
1800
2400
12Apr90
13Apr90
Time


Plan: SA_200_18 Storage Area: Dx_Arno
Legend
Stage
Net Inflow
Stage (m)
Flow (m3/s)
141.0
140.8
140.6
140.4
140.2
140.0
139.8
139.6
139.4
139.2
20
15
10
5
0
-5
-10
-15
2400
0600
1200
1800
2400
0600
1200
1800
2400
12Apr90
13Apr90
Time