Memòria

ATL
Ens d'Abastament
d'Aigua Ter-Llobregat

SIGNATURA ELECTRÒNICA

PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Amb la implementació d'aquest full es consideren signats electrònicament els documents continguts en el PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ, que a continuació es detallen:

- **SEPARATA ACA**
  - **1. Memòria**
  - **2. Plànols**

Els autors del projecte:

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Índex

1 Introducció 1

2 Descripció de l'actuació 1

3 Afeccions a lleres públiques 2

3.1 Creuament a Ripollet 2
3.2 Creuament a Barberà del Vallés. 4

4 Solucions adoptades 4

4.1 Encreuament a Ripollet 4
4.1.1 Solució proposada 4
4.2 Creuament proper al Dipòsit de Barberà del Vallés 5

Annex 1 Informe Agencia Catalana de l'Aigua

Annex 2 Plànols

Annex 3 Separata inicial

1 Introducció

AYESA està redactant per encàrrec d'ATL el "PROJECTE CONSTRUCTIU DE RENOVACIÓ DERIVACIÓ COMARCAL VALLES OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ", que té com a finalitat la renovació de les canonades de Derivació Municipal de Ripollet i Derivació Municipal de Barberà del Vallés que reben aigua de la canonada Comarcal del Vallés Occidental Sud, que són de fibrociment i que presenta molts problemes ja que manté les característiques de la seva construcció.

El dia 12 de juliol de 2025 l'ENS D'ABASTAMENT D'AIGUA TER-LLOBREGAT (ATL) realitza la petició a l'Agència Catalana de l'Aigua (ACA) per a l'autorització de les obres del projecte de referencia.

En data 11 de març de 2026 ATL va rebre l'informe de l'ACA a la petició realitzada per part de l'ACA amb un informe desfavorable a la solució proposada.

En l'annex 1 s'adjunta l'informe redactat per l'ACA

L'objecte del present document es la modificació de la solució del projecte en l'entorn del riu Ripoll per adequar-lo als requeriments de l'informe rebut

En l'annex 2 s'adjunten els plànols on es defineix la solució amb les modificacions respecte al projecte per seguir les prescripcions de l'Informe de l'ACA.

En l'annex 3 s'adjunta la separata inicial entregada per ATL a l'ACA o està recollit el càlcul de l'erosió que s'ha donat com a vàlid en l'informe.

2 Descripció de l'actuació

La renovació consistirà en una nova canonada independent a la existent ja que aquesta primera s'ha de mantenir en servei en tot moment i el seu estat es molt precari per tant la interferència amb la mateixa ha de ser mínima.

El Projecte connecta amb a canonada Comarcal del Vallés Occidental Sud al terme municipal de Montcada i Reixac. Des del punt inicial discorre cap a Ripollet amb un diàmetre de DN 600 mm en un tram d'uns 3.700 m.

A partir d'aquí la canonada es bifurca en una derivació cap als dipòsits municipals de Ripollet del longitud 925 m i un DN 500 mm i la derivació a Barberà del Vallès amb un DN 300 mm.

El la derivació de Barberà del Vallés hi ha una derivació intermèdia de DN 250 per alimenta al dipòsit Nicolàs de SABEMSA, A partir d'aquí la canonada que alimenta el dipòsit municipal de Barberà del Vallés.

La nova canonada serà d'acer per als diàmetres DN 600 i DN 500 i de fosa en ela resta de diàmetres més petits.

Un cop posada en servei la nova canonada, la canonada existent de fibrociment quedarà fora de servei. El projecte no preveu cap actuació sobre aquesta canonada més enllà de les connexions.

Es una canonada que discorre de sud a Nord que va des de la connexió a un ramal secundari de la canonada Comarcal del Vallès Occidental Sud estructurada i que va tenint múltiples derivacions per tal de connectar amb els dipòsits de Ripollet, Nicolás i Barberà del Vallés.

El traçat de la nova canonada començarà amb la connexió a la canonada t existent al Carrer del Progrés, al polígon industrial en Montcada i Reixac al sud del riu Ripoll:

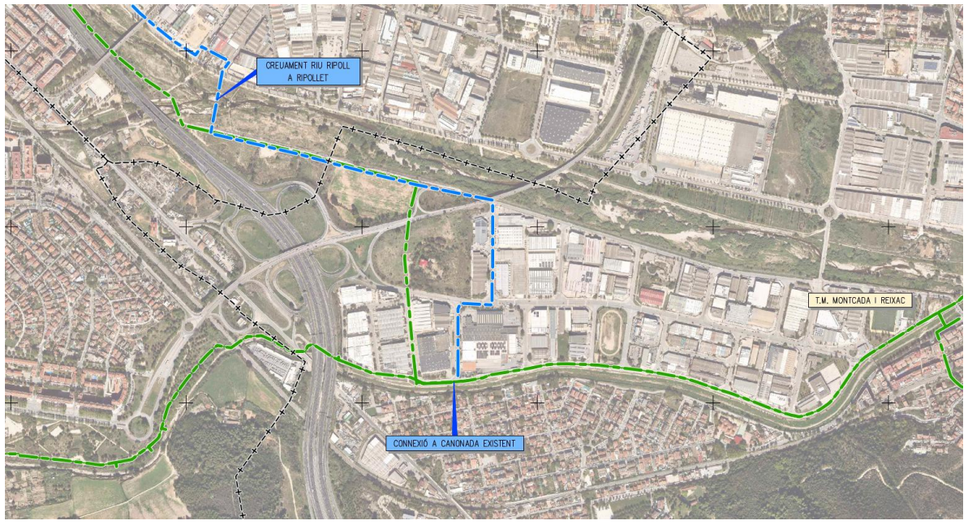


Figura 1. Punt inicial del traçat.

Aquesta discorrerà pel al Carrer de l'Alimentació i el del Gas per sortir del polígon pel Carrer del Vapor. Seguidament, creuarà el Riu Ripoll fins a arribar a la Avinguda del Riu Ripoll, per on continuarà fins a la carretera B-141.

La canonada discorrerà paral·lela a l'Avinguda del Riu Ripoll i posteriorment per diferents vials de servei paral·lels la B-141 fins a l'alçada de l' Avinguda del Mar Mediterrani, on la canonada es bifurcarà en les derivacions a Ripollet (DN 500) i a Barberà del Vallès (DN 300). Per una banda, una canonada de DN500 discorrerà al llarg de tota la Avinguda del Mediterrani fina a connectar amb els dipòsits de Ripollet. Per una altre, una canonada de DN300 mm continuarà per la carretera B-141 fins a desviar-se fins a l'Avinguda Torre de Mateu, on es produirà una segona bifurcació fins a connectar amb el Dipòsit de Nicolàs amb un tram de canonada DN 250 mm.



Figura 2. Derivació als Dipòsits de Ripollet.

Per últim, des de aquesta última derivació, un últim tram de canonada DN200 continuarà pel Carrer Molí d'en Planes, creuarà de nou el Riu Ripoll i connectarà amb el Dipòsit de Barberà del Vallés a través del Camí del Moli Vermell.

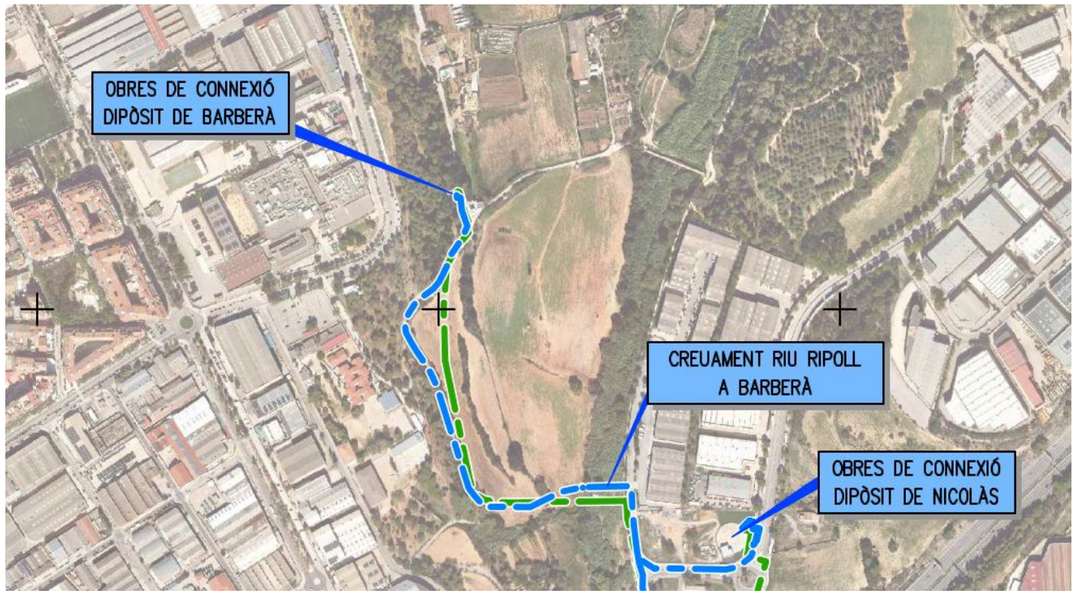


Figura 3. Derivació cap al dipòsit de Nicolás i Connexió al Dipòsit de Barberà del Vallés.

3 Afeccions a lleres públiques

La nova canonada proposta creua el Riu Ripoll en dos punts.

- El primer serà en el tram inicial de la canonada amb un DN 600 mm en la zona propera a la confluència del riu Ripoll i el riu sec
- El segon serà en el terme municipal de Barberà al nord del creuament de la AP-7 amb el riu Ripoll, a la Derivació de Barberà amb una canonada de DN200 mm

3.1 Creuament a Ripollet

El traçat inicial de la canonada es realitza pel marge dret del riu, ja que es una zona rural que no presenta els problemes del marge esquerra per l'Avinguda del Riu Ripoll que és una zona amb una important presència de serveis i un eix principal en l'articulació del transit del municipi.

A l'entorn de la confluència de riu sec on ja no hi ha possibilitat de continuar el traçat pel marge dret, perquè s'hauria de fer també el creuament del riu sec i per la presència de la C-58 com a límit de la llera del riu, es realitza el creuament del riu sec per continuar el traçat cap al nord pel marge esquerre del riu.

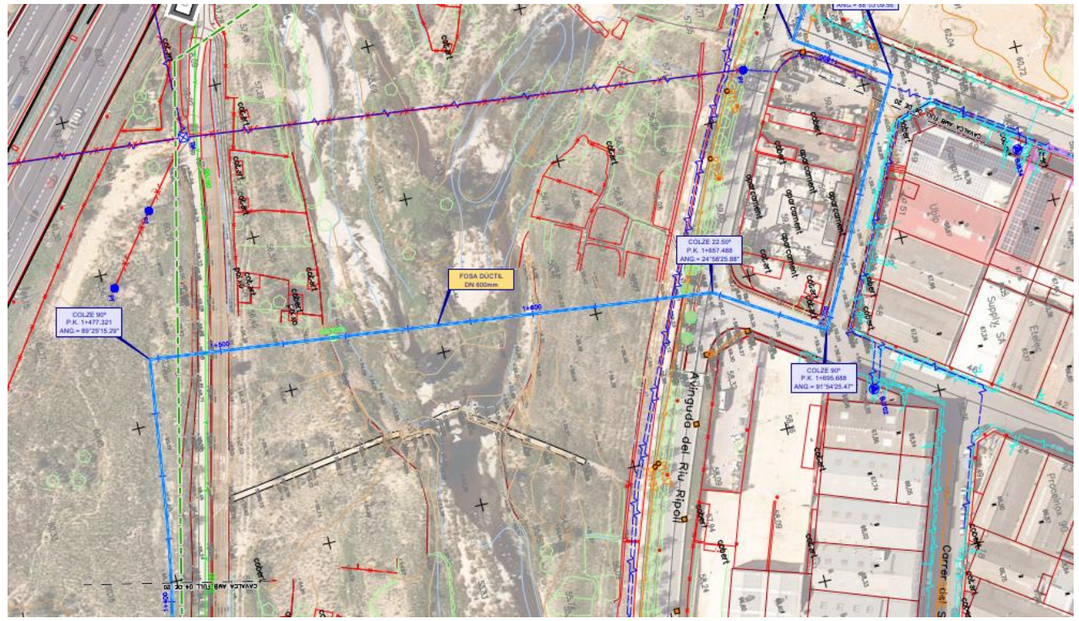


Figura 4. Planta de la zona del creuament.

El primer punt de creuament correspon a una zona bastant ample del riu Ripoll (uns 133 metres), situada just després de la unió entre aquest i el Riu Sec.

En les planes d'inundació de la llera s'observa vegetació de ribera formada per una combinació de vegetació herbàcia i d'espècies arbustives de ribera de mida mitja. La llera d'aigües baixes està

despoblada de vegetació amb presència superfície d'una grava-sorrenca derivada de l'arrossegament del riu .



Figura 5. Vista general del traçat del creuament.



Figura 6. Llera d'aigües baixes del Riu Ripoll.

El creuament es fa aigües amunt d'una estructura de formigó que en seu tram central ha estat trencada per l'efecte erosiu del riu.



Figura 7. Estructura de formigó aigües avall del creuament.

3.2 Creuament a Barberà del Vallés.

El creuament a Barberà del Vallés es necessari ja que la major part del traçat de la canonada projectada discorre per la trama urbana de Ripollet i Barberà del Vallés en el marge esquerre del riu Ripoll mentre que el dipòsit d'ATL de Barberà del Vallés al que s'ha de connectar es troba en el marge dret.

El creuament es realitza en el carrer Molí d'en Planes al nord de l'AP-7 on la llera del riu ripoll té uns 40 m. En el marge esquerra que limita amb zona urbana, hi ha un mur d'uns 2,5 m delimitant la llera, mentre que en el marge dret hi ha un talús natural ja que la conca delimita amb una parcel·la rústica.

El creuament es proposa aigües amunt d'un petit assut en el riu d'uns 2 m d'alçada.

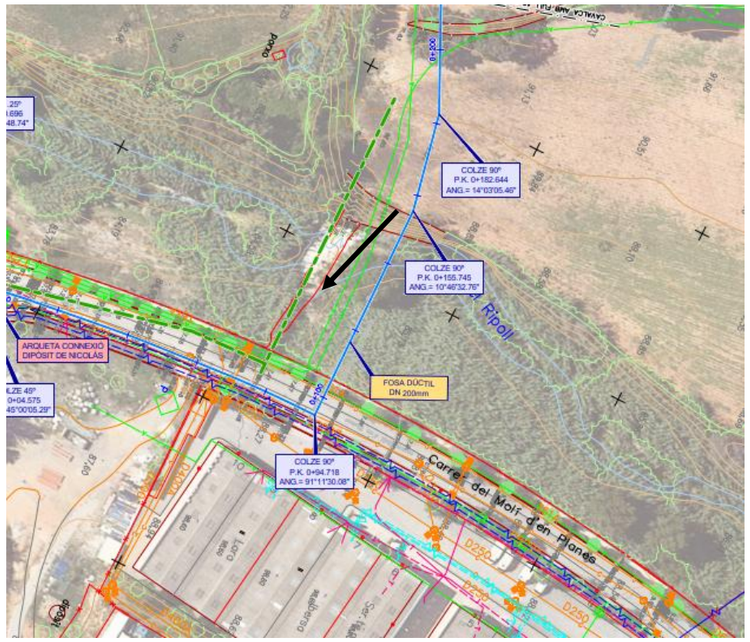


Figura 8. Creuament del Riu Ripoll proper al Dipòsit de Barberà del Vallés.

En la llera del riu es pot observar vegetació de ribera amb una predominança de canya (*Arundo donax*) amb possible presència de canyís (Phragites australis), acompanyada d'alguna vegetació herbàcia baixa



Figura 9. Vista de la zona de creuament.

4 Solucions adoptades

Les prescripcions de l'informe desfavorable de l'ACA implica la necessitat de realitzar aprofundiment de la canonada respecte a la solució de projecte en l'encreuament a Ripollet, però es pot mantenir la solució constructiva. Per tant com a solució en ambdós encreuaments es manté la execució del creuament del riu en amb una excavació amb rasa oberta.

4.1 Encreuament a Ripollet

4.1.1 Solució proposada

En l'informe de l'ACA es dona com a vàlid el càlcul de l'erosió realitzat al projecte (2,5 m) però es fa notar que la llera d'aigües baixes ha hagut evolucionant amb el temps i s'hauria de considerar la mobilitat lateral que pot tenir la llera d'aigües baixes (que presenta una incisió d'uns 2 metres)

La prescripció que es realitza a l'informe és que la cota superior del formigó de protecció en la zona de domini públic hidràulic de l'encreuament proposat s'ha de disposar a una profunditat mínima de 2,5 metres en la llera d'aigües baixes i a una profunditat mínima de 4,3 metres en la llera d'aigües altes tot preveient que es pugui mobilitzar en planta aquesta llera.

La solució constructiva plantejada serà la mateixa del projecte constructiu modificant la rasant de la canonada en la zona de la llera d'aigües altes aprofundint-la perquè quedi sota la profunditat de potencial erosió

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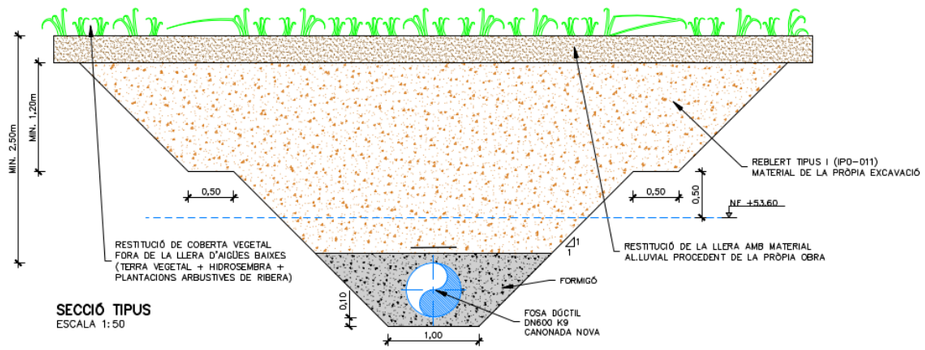


Figura 10. Secció tipus del creuament del Riu Ripoll.

Per al creuament del riu es proposa la instal·lació de la conducció mitjançant rasa oberta amb esgotament del nivell freàtic. L'execució de la rasa es realitza en dos nivells: una primera excavació de fins a 50 cm per sobre del nivell freàtic, on s'instal·larà el sistema d'esgotament amb well-points, que es col·loquen amb una separació d'un metre. Un cop s'ha rebaixat el nivell de l'aigua subterrània, es realitza la segona etapa de l'excavació fins a la cota requerida per a instal·lar la canonada projectada. Segons els càlculs d'estabilitat realitzats els talussos provisionals de la excavació seran 1H:1V.

La canonada es protegirà amb un reblert de formigó fins a 15 cm per sobre de la canonada.

A continuació es mostra la rasant modificada

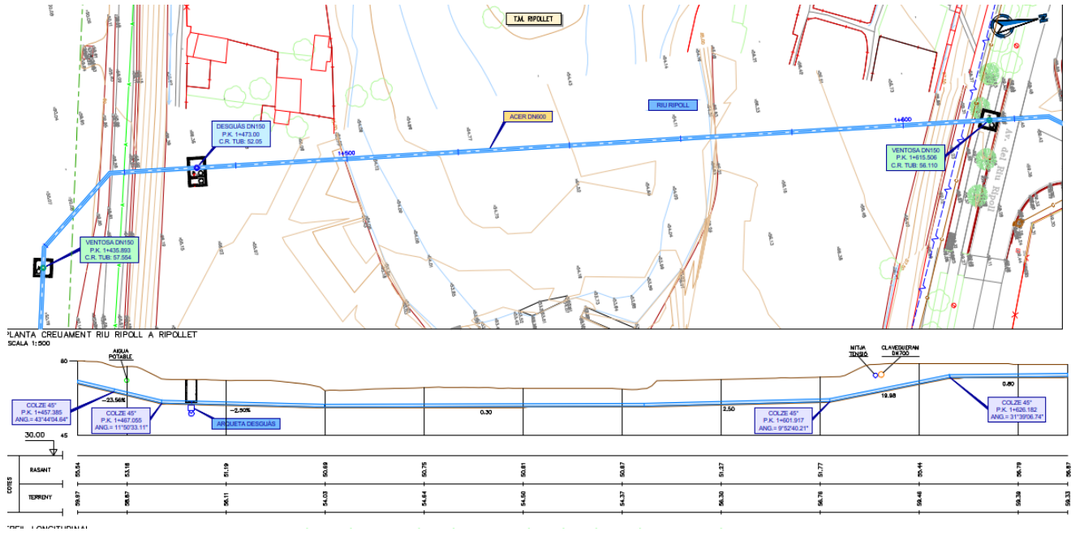


Figura 11. Primer creuament del Riu Ripoll.

Donat que el creuament es un punt baix de la canonada, per poder buidar aquestes per tasques de manteniment o reparació, en la llera del riu però fora de la llera d'aigües baixes, en la zona més propera al límit de l'endegament es preveu una arqueta de desguàs de 2,5x2,5 m.

Degut a la presència de serveis no es podrà col·locar l'aqueta de desguàs fora de la llera d'aigües baixes per manca d'espai i el que seria més crític en alguns casos per la possible afecció durant les obres.

En el marge dret hi ha la presencia d'una important canonada d'aigua potable d'Aigües de Barcelona de DN 700 a més de la canonada existent d'ATL que es de fibrociment que es l'única font de subministrament als municipis de Ripollet i Barbarà del Vallès.

En el marge esquerra tenim la mateixa problemàtica de serveis com el col·lector del Consorci Tordera Besòs i un prisma de Alta Tensió. En afegit l'Avinguda Ripoll és un eix molt principal de la ciutat, que funciona com a Ronda i per una part l'Ajuntament de Ripollet ha demanat que no es col·loquin elements de la xarxa a al seva calçada i per altre l'operació del desguàs seria molt complicat.

El pericó se situarà en la zona més exterior de la llera d'aigües altes al límit amb el talús de l'endegament per minimitzar la interferència amb el flux. Es proposa una cambra seca amb una cambra humida al costat que permetrà el buidat de la canonada amb una bomba mòbil en cas de ser necessari.

En l'annex 2 s'adjunta el detall tipus del pericó de desguàs proposat.

4.2 Creuament proper al Dipòsit de Barberà del Vallés

En el cas de creuament de Barberà l'informe de l'ACA dona per valida la solució del projecte que es descriu a continuació

Per tant es planteja una solució amb rasa amb la canonada a una profunditat mínima de 3,00 m per sota de la profunditat d'erosió transitòria i protegida amb formigó.

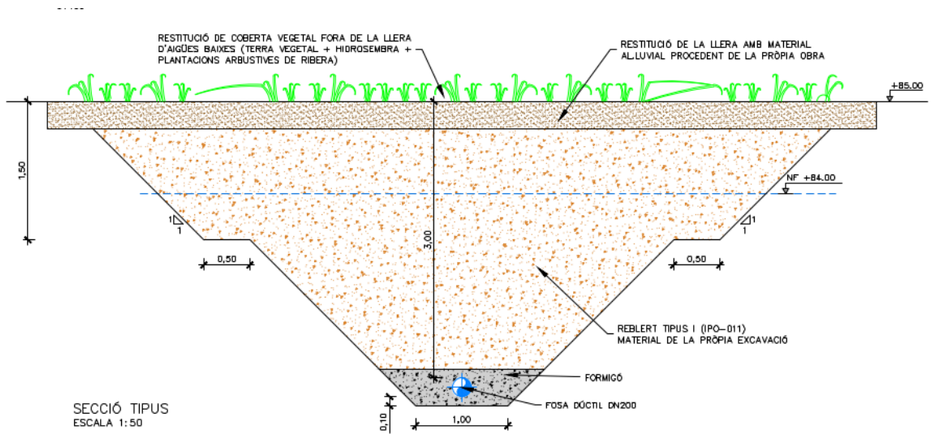


Figura 12. Secció tipus del creuament del Riu Ripoll.

Per al creuament del riu es proposa la instal·lació de la conducció mitjançant rasa oberta amb esgotament del nivell freàtic. Donada la profunditat de la canonada respecte al nivell freàtic l'execució de la rasa es realitzarà en dos nivells: una primera excavació, aproximadament fins a la meitat de la rasa on es col·locarà una primera línia de well points amb una separació d'un metre. Un cop s'ha rebaixat el nivell de l'aigua fins a aquest nivell es col·locarà una segona línia de well point i es realitza la segona etapa de l'excavació fins a la cota requerida per a instal·lar la canonada projectada. Segons els càlculs d'estabilitat realitzats els talussos provisionals de la excavació seran **1H:1V.**

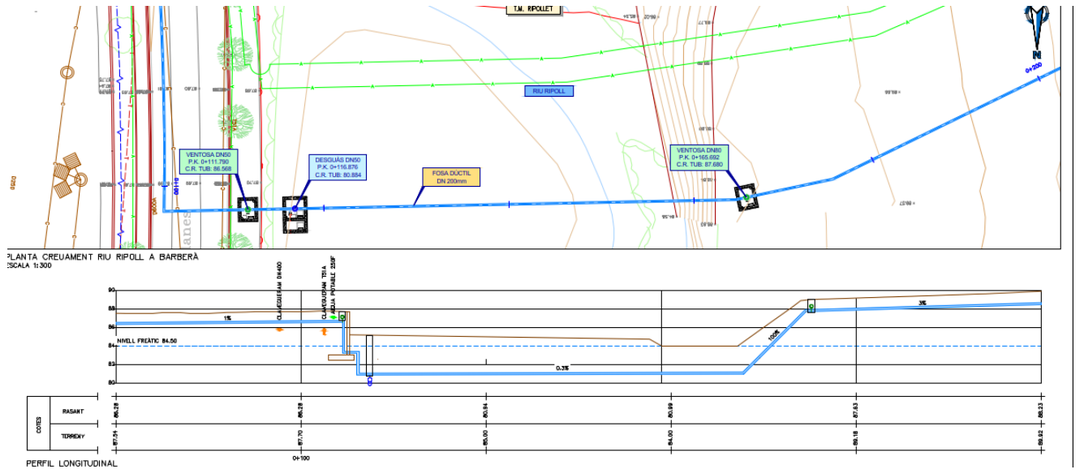


Figura 13. Segon creuament del riu Ripoll.

Es planteja una arqueta de desguàs en la llera d'aigües altes en la zona més propera al mur ja que es el punt baix relatiu de la canonada . Aquest desguàs no es pot plantejar fora de la llera per la falta d'espai degut a la important presència de serveis i a la interferència amb l'estructura del propi mur.

El pericó se situarà en la zona més exterior de la llera d'aigües altes al límit amb el mur per minimitzar la interferència amb el flux. Es proposa una cambra seca amb una cambra humida al costat que permetrà el buidat de la canonada amb una bomba mòbil en cas de ser necessari.

En l'annex 2 s'adjunta el detall tipus del pericó de desguàs proposat.

Adjacent al mur es pot observar la presència d'una ventosa, ja que es un punt amb un canvi de pendent molt sobtat. Per les mateixes raons esgrimides aquesta ventosa es dissenya amb un pericó de registre molt superficial que no donarà accés a la canonada (que quedarà soterrada sota el pericó) sinó únicament a la ventosa.

Annex 1 Informe Agencia Catalana de l'Aigua

Agència Catalana de l'Aigua

Provença, 260
08008 Barcelona
Tel. 93 567 65 00
NIF Q0801031F
aca.gencat.cat

Expedient: **FUE-2025-04605448**
Procediment: **TE_Encreuaments subterranis de línies i conduccions en domini públic hidràulic**
Assumpte: **Informe tècnic**
Document: **8553883**

IDENTIFICACIÓ DE L'EXPEDIENT

- Expedient Núm.: FUE-2025-04605448
- Peticionari: ENS D'ABASTAMENT D'AIGUA TER-LLOBREGAT
- Assumpte: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERA- RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ, TM RIPOLLET, BARBERÀ DEL VALLÈS I MONTCADA I REIXAC
- Objecte: Autorització d'obres

ANTECEDENTS

El 12 de juliol de 2025 l'Agència Catalana de l'Aigua (ACA en endavant) rep la sol·licitud per a l'autorització de les obres de l'assumpte de referència (on s'inclou declaració responsable per actuacions en zona inundable). En la mateixa data s'adjunta a l'expedient la següent documentació:

- Memòria del projecte de renovació de la derivació comarcal del Vallès occidental (Barberà-Ripollet) i de les derivacions municipals a Ripollet i Barberà redactat el maig de 2025.

El 9 d'octubre de 2025 l'ACA comunica al peticionari els terminis de resolució de l'expedient i requereix que s'aporti a l'expedient la documentació gràfica del projecte

El 15 d'octubre de 2025 l'ACA sol·licita informe als Ajuntament afectats en relació a l'assumpte de referència.

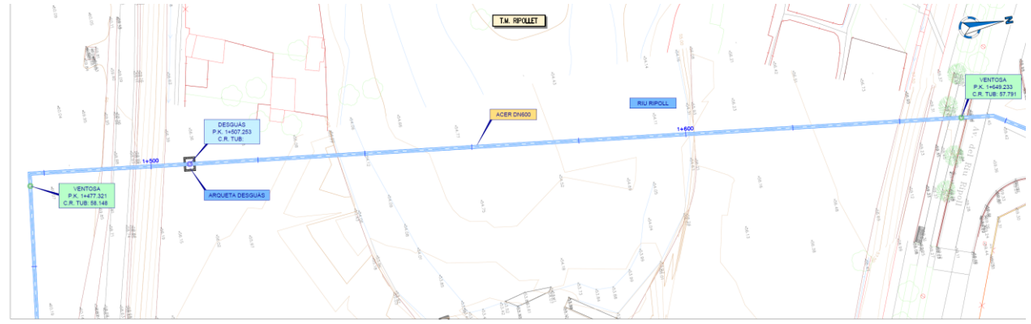
El 15 d'octubre de 2025 el peticionari aporta a l'expedient la documentació prèviament requerida

DESCRIPCIÓ DE LES OBRES

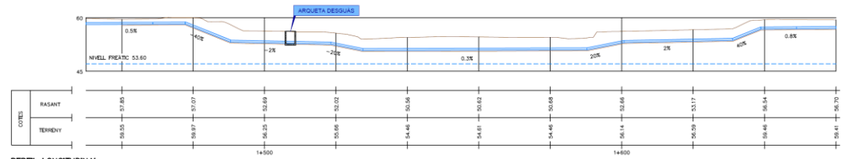
- Tipus d'obra: Construccions en domini públic hidràulic
- Descripció: Encreuament soterrat

Es proposa l'execució de dos encreuaments de canonades d'abastaments soterrades sota la llera del riu Ripoll als termes municipals de Ripollet i Barberà del Vallès.

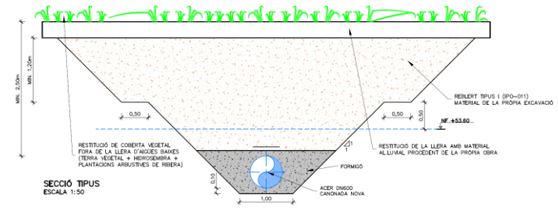
Agència Catalana de l'Aigua



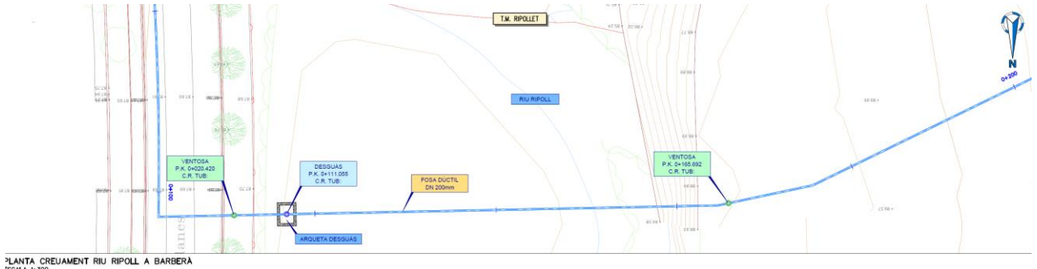
PLANTA CREUAMENT RIU RIPOLL A RIPOLLET
ESCALA 1:500



PERFIL LONGITUDINAL
ESCALA V=1/750 H=1/750



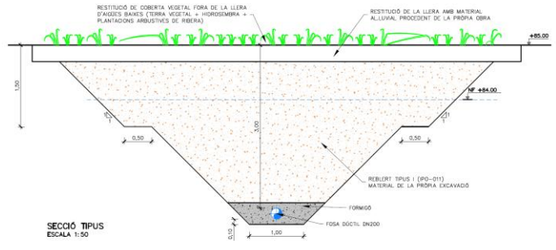
SECCIÓ TIPUS
ESCALA 1:50



PLANTA CREUAMENT RIU RIPOLL A BARBERÀ
ESCALA 1:300



PERFIL LONGITUDINAL
ESCALA V=1:750 H=1:750



SECCIÓ TIPUS
ESCALA 1:50

Coordenades (UTM31 ETRS89)

	X	Y
Encreuament Ripollet	429.575	4.593.655
Encreuament Barberà	428.105	4.596.296

CONSIDERACIONS TÈCNIQUES

Afecció a les servituds

La llera pública més propera a l'àmbit de les actuacions proposades és el riu Ripoll

Les actuacions proposades s'ubiquen en zona de policia i de domini públic hidràulic de la riera de Caldes, però atès que les actuacions es situen en infraestructura existent i que es proposen canalitzacions soterrades no es preveu una afectació significativa.

Per l'àmbit de les actuacions transcorre un col·lector de sanejament en alta, l'administració actuant de la qual és el Consorci Besòs Tordera. A aquest respecte, caldrà que els treballs es duguin a terme considerant la informació de serveis afectats o actualitzant-la si s'escau prèviament a l'inici de l'execució de les obres. Abans de l'inici de les obres, l'Empresa Contractista haurà de localitzar els serveis existents en la zona mitjançant la realització de cales, donat que la informació facilitada per les companyies té un caràcter aproximat, i la responsabilitat de qualsevol afectació en les xarxes de serveis existents recau en l'empresa adjudicatària de les obres.

Anàlisi hidrològic i hidràulic

L'àmbit de les actuacions es situa dintre de zona inundable i de zona flux preferent d'acord als Mapes de Perillositat i Risc d'Inundació vigents en el moment de redacció del present informe.

<u>Encreuament Ripollet</u>

La documentació tècnica aportada considera una erosió general transitòria d'uns 2,3 metres (que es considera correcta com a ordre de magnitud) i proposa un soterrament mínim de la conducció de 2,5 metres.

Aquest nivell de soterrament es considera insuficient atès que no s'està tenint en compte la mobilitat lateral que pot tenir la llera d'aigües baixes (que presenta una incisió d'uns 2 metres). En la següent imatge es pot comprovar com ha anat variant el seu traçat en planta la llera d'aigües baixes en l'àmbit d'actuació des de l'any 1994 fins a l'actualitat.





Per aquest motiu es considera que per donar una correcta protecció a la infraestructura durant la seva vida útil el soterrament en les zones d'aigües altes ha de ser la suma de la profunditat d'incisió (que es pot fixar en el nivell 54 segons el perfil transversal de l'encreuament) més l'erosió general transitòria fixada en 2,3.

Es vol indicar que per a la redacció del present informe s'ha comprovat l'erosió local que es pot donar en una confluència de cursos com és l'àmbit on es proposa l'encreuament. Considerant els cabals de màxima crescuda ordinària aquesta erosió local s'estima en 1,8 metres que coincideix aproximadament amb el grau d'incisió de la llera d'aigües baixes.

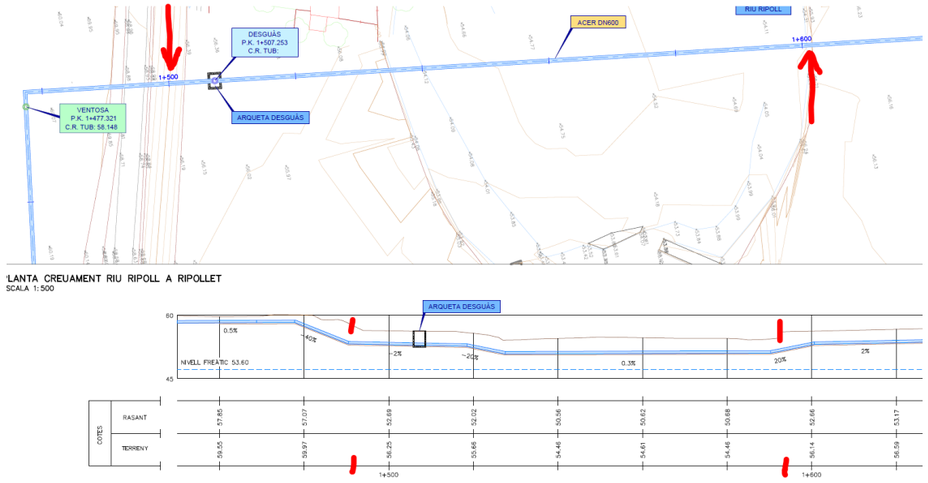
Així doncs, tenint en compte les consideracions prèvies, la cota superior del formigó de protecció en la zona de domini públic hidràulic de l'encreuament proposat s'ha de disposar a una profunditat mínima de 2,5 metres en la llera d'aigües baixes i a una profunditat mínima

Agència Catalana de l'Aigua

de 4,3 metres en la llera d'aigües altes tot preveient que es pugui mobilitzar en planta aquesta llera.

A més a més es vol indicar que:

- Els PPKK de la planta i perfil de l'encreuament no són coherents tal i com es pot comprovar en la següent figura on es marquen les discrepàncies detectades per exemple en el mur de canalització de marge dret i en el talús de la llera d'aigües baixes del marge esquerre.



- Cal justificar la necessitat d'instal·lar el pericó del desguàs en zona de domini públic hidràulic (i zona de flux preferent). En cas que resulti necessària la seva instal·lació en aquesta localització caldrà separar el màxim possible el seu emplaçament de l'actual llera d'aigües baixes i presentar plànols amb la definició geomètrica d'aquest element.

Encreuament Barberà del Vallès

El nivell de soterrament proposat en aquest encreuament (3 metres) es considera adequat i del cantó de la seguretat ateses les condicions geomorfològiques i hidràuliques existents en l'àmbit.

En qualsevol cas, en aquest encreuament també cal justificar la necessitat d'instal·lar el pericó del desguàs en zona de domini públic hidràulic (i zona de flux preferent). En cas que resulti necessària la seva instal·lació en aquesta localització caldrà presentar plànols amb la definició geomètrica d'aquest element. També caldria indicar en la planta i perfil l'emplaçament del pericó de la ventosa en el marge dret del Ripoll i garantir la no afectació del talús del riu.

CSV: 07b067ee-bd5b-4997-99c5-a225dae79320
Aquest document és còpia electrònic segons l'article 27 de la Llei 30/2015, de 1 d'octubre. La seva autenticitat pot ser comprovada a l'adreça https://www.ait.cat/validacio

Generalitat de Catalunya

Agència Catalana de l'Aigua

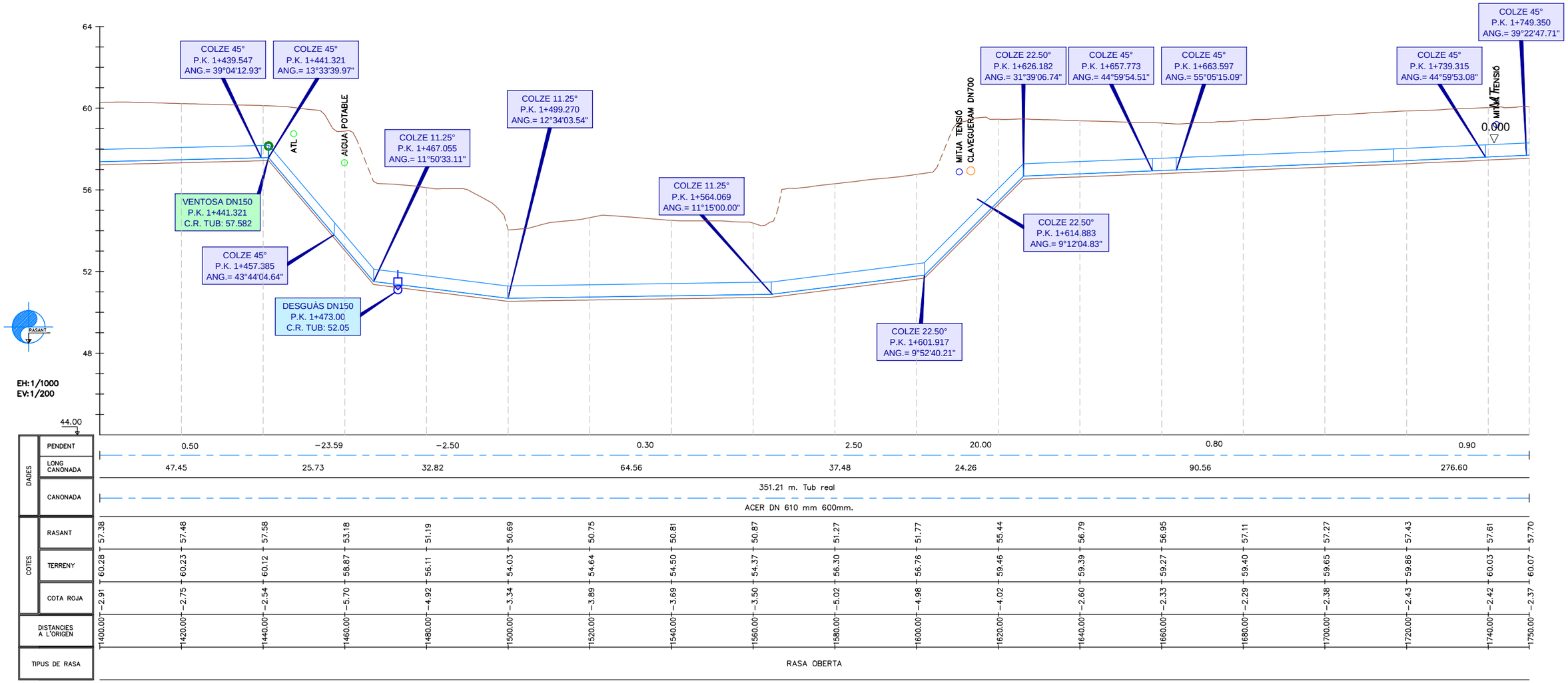
CONCLUSIÓ

Per tot l'exposat, s'informa desfavorablement l'autorització d'obres en zona de policia de les actuacions de l'assumpte de referència PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERA- RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ, TM RIPOLLET, BARBERÀ DEL VALLÈS I MONTCADA I REIXAC.

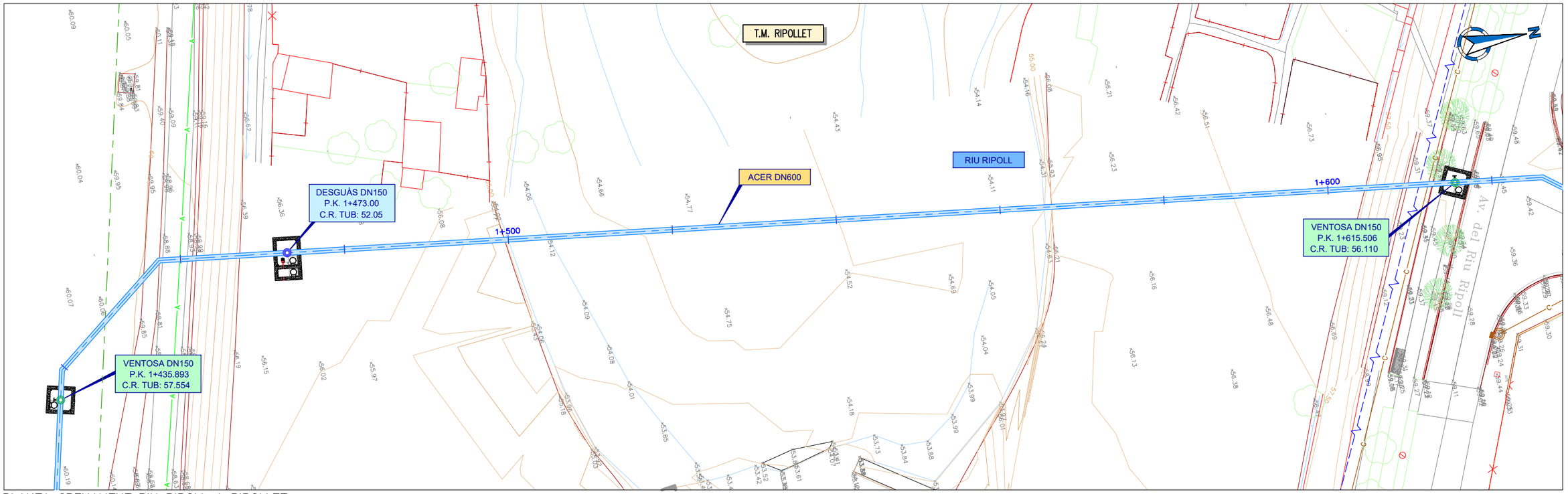
Per tal de modificar el sentit del present informe cal aportar documentació on s'aportin les esmenes del disseny proposat d'acord a les consideracions efectuades en l'apartat d'anàlisi hidrològic i hidràulic.

Generalitat de Catalunya

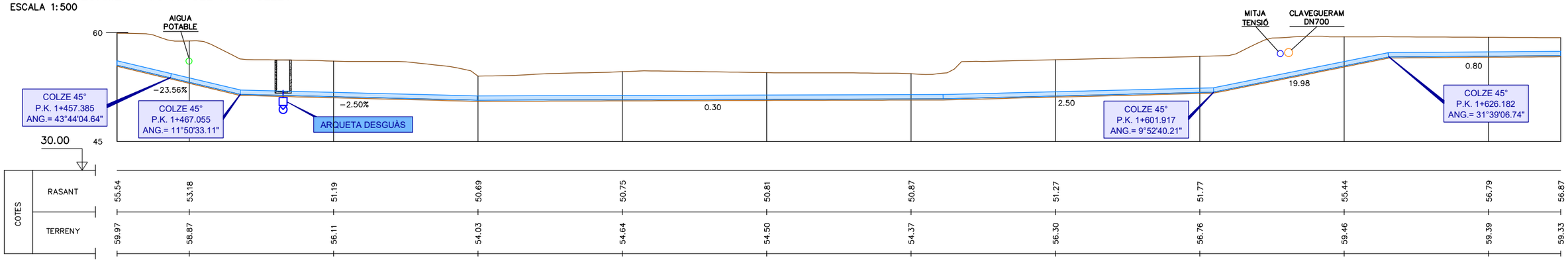
Annex 2 Plànols



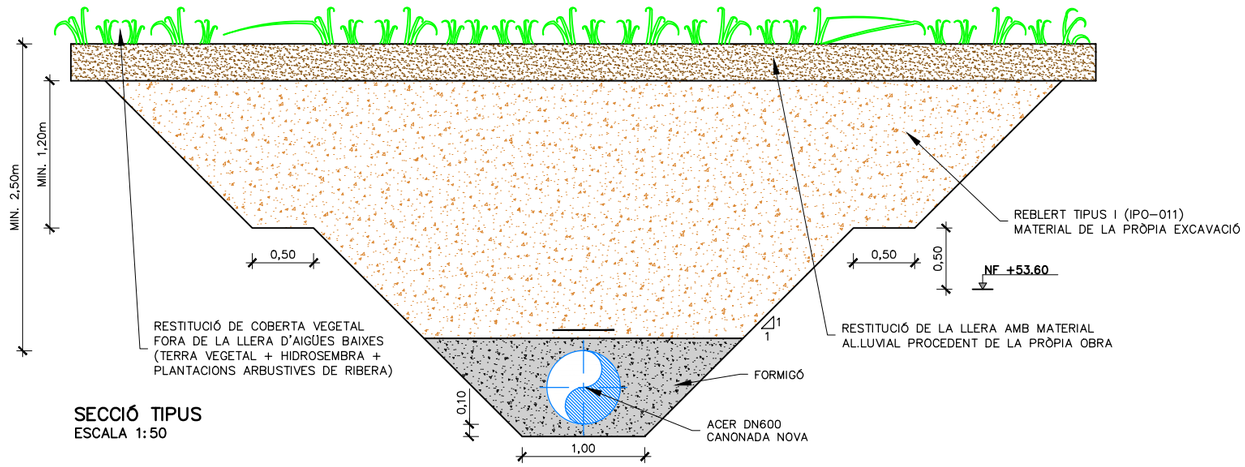
ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:1000 (0 10 20m) Originals DIN A-3	Títol del plànol: CANONADA EN RASA PLANOLS GENERALS PERFIL LONGITUDINAL EIX 1	Plànol nº: 01 Full: 01 de 01 Fitxer: 01F01.dwg



PLANTA CREUAMENT RIU RIPOLL A RIPOLLET
ESCALA 1:500



PERFIL LONGITUDINAL
ESCALA V:1/750 H:1/750



SECCIÓ TIPUS
ESCALA 1:50

ATL Ens d'Abastament d'Aigua Ter-Llobregat
Generalitat de Catalunya

El Director del projecte: Pau Moreno Castellana

Els autors del projecte: Carlos Martín Freixa, Javier Rentero González

Consultor: ayesa

Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Data: SETEMBRE 2025

Escala: 1:500 (0 5 10m) Originals DIN A-3

Títol del plànol: OBRES ESPECIALS
CREUAMENT RIU RIPOLL A RIPOLLET
DEFINICIÓ GEOMÈTRICA I REPLANTEIG. PLANTA I PERFIL

Plànol nº: 02
Full: 01 de 01
Fitxer: 02F01.dwg

T.M. RIPOLLET

RIU RIPOLL

EXCAVACIÓ LLERA PROVISIONAL D'AIGÜES BAIXES, I REPOSICIÓ POSTERIOR A LA SEVA MORFOLOGIA ORIGINAL UNA VEGADA EXECUTADA LA FASE 1

DESVIAMENT DE LA LLERA D'AIGÜES BAIXES

ZONA INSTAL·LACIONS AUXILIARS BOMBA+GENERADOR +TANC DE DECANTACIÓ

CANONADA A EXECUTAR EN FASE 1

VENTOSA DN150
P.K. 1+615.506
C.R. TUB: 56.110

DESGUÀS DN150
P.K. 1+473.00
C.R. TUB: 52.05

ACER DN600

1+500

1+600

ARQUETA DESGUÀS

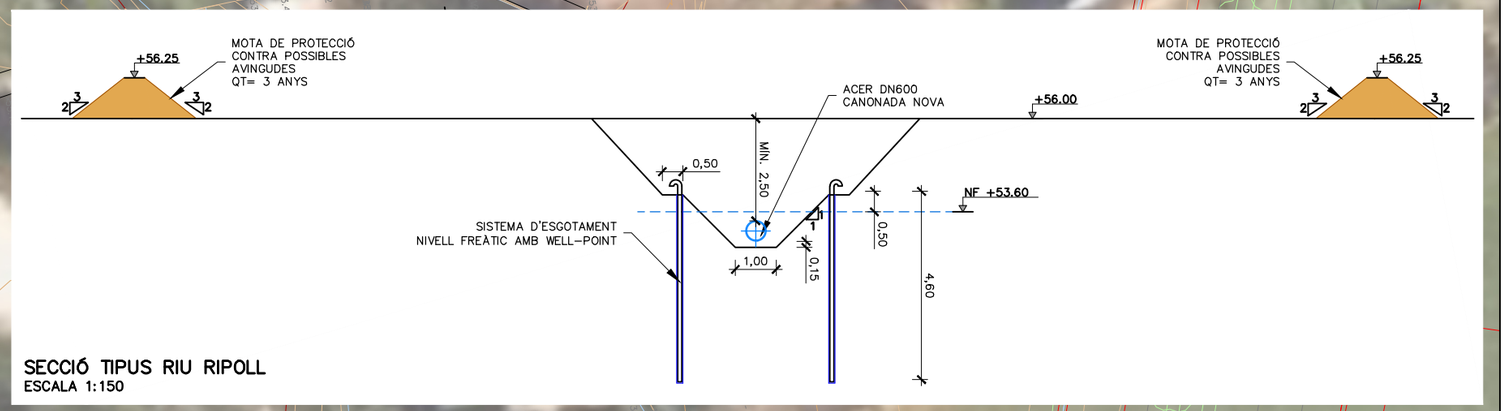
SISTEMA D'ESGOTAMENT NIVELL FREÀTIC AMB UNA LÍNIA DE WELL POINT A CADA COSTAT, UNA LLANÇA DE 4.6m DE PROFUNDITAT AMB UNA SEPARACIÓ D'UN METRE

MOTA DE PROTECCIÓ CONTRA POSSIBLES AVINGUDES

VENTOSA DN150
P.K. 1+435.893
C.R. TUB: 57.554

1+400

429525
429550
429575
429600
429625
429650
4593550
4593575
4593600
4593625
4593650
4593675
4593700
4593725



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Àrea d'Infraestructures d'Aigua Ter Llobregat · Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET PROCÈS CONSTRUCTIU: FASE I	Plànol nº: 03 · Full: 01 de 02 · Fitxer: 03F01.dwg

T.M. RIPOLLET

RIU RIPOLL

LLERA D'AGÜES BAIXES

ZONA INSTAL·LACIONS AUXILIARS
BOMBA+GENERADOR
+TANC DE DECANTACIÓ

CANONADA A EXECUTAR
EN FASE 2

DESGUÀS DN150
P.K. 1+473.00
C.R. TUB: 52.05

VENTOSA DN150
P.K. 1+435.893
C.R. TUB: 57.554

SISTEMA D'ESGOTAMENT
NIVELL FREÀTIC AMB UNA LÍNIA
DE WELL POINT A CADA COSTAT,
UNA LLANÇA DE 4.6m DE PROFUNDITAT
AMB UNA SEPARACIÓ D'UN METRE

MOTA DE PROTECCIÓ
CONTRA POSSIBLES AVINGUDES

ACER DN600

VENTOSA DN150
P.K. 1+615.506
C.R. TUB: 56.110

1+500

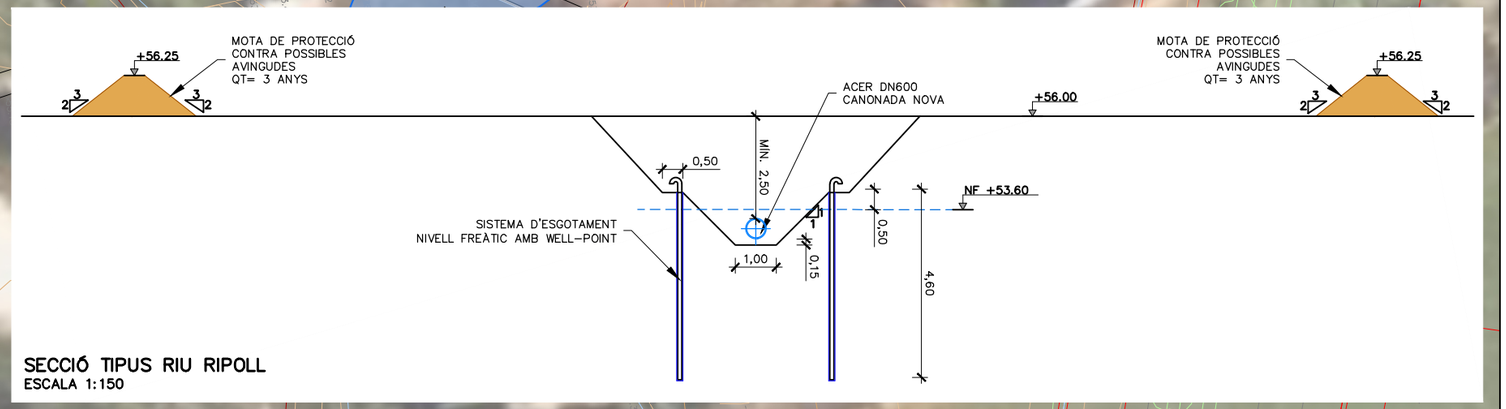
1+400

1+600

Av. del Riu Ripoll

429525
429550
429575
429600
429625
429650

4593550
4593575
4593600
4593625
4593650
4593675
4593700
4593725



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET PROCÉS CONSTRUCTIU: FASE II	Plànol nº: 03 Full: 02 de 02 Fitxer: 03F02.dwg

T.M. RIPOLLET

RIU SEC

RIU RIPOLL

EXCAVACIÓ LLERA PROVISIONAL D'AIGÜES BAIXES, I REPOSICIÓ POSTERIOR A LA SEVA MORFOLOGIA ORIGINAL UNA VEGADA EXECUTADA LA FASE 1

MOTA DE PROTECCIÓ CONTRA POSSIBLES AVINGUDES QT= 3 ANYS

1+800

1+700

1+600

1+500

1+400

N

429450

429500

429550

429600

429650

4593500

4593550

4593600

429700

4593650

4593700

4593750

4593800

429750

ATL Entitat d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:1.000 (0 10 20m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET DESVIAMENT PROVISIONAL DE LA LLERA D'AIGUES BAIXES	Plànol nº: 04 Full: 01 de 02 Fitxer: 04F01.dwg

T.M. RIPOLLET

RIU SEC

RIU RIPOLL

1+800

1+700

1+600

1+500

1+400

MOTA DE PROTECCIÓ
CONTRA POSSIBLES AVINGUDES
QT= 3 ANYS

carrer Llobregat

429450

429500

429550

429600

429650

4593500

4593550

4593600

429700

4593650

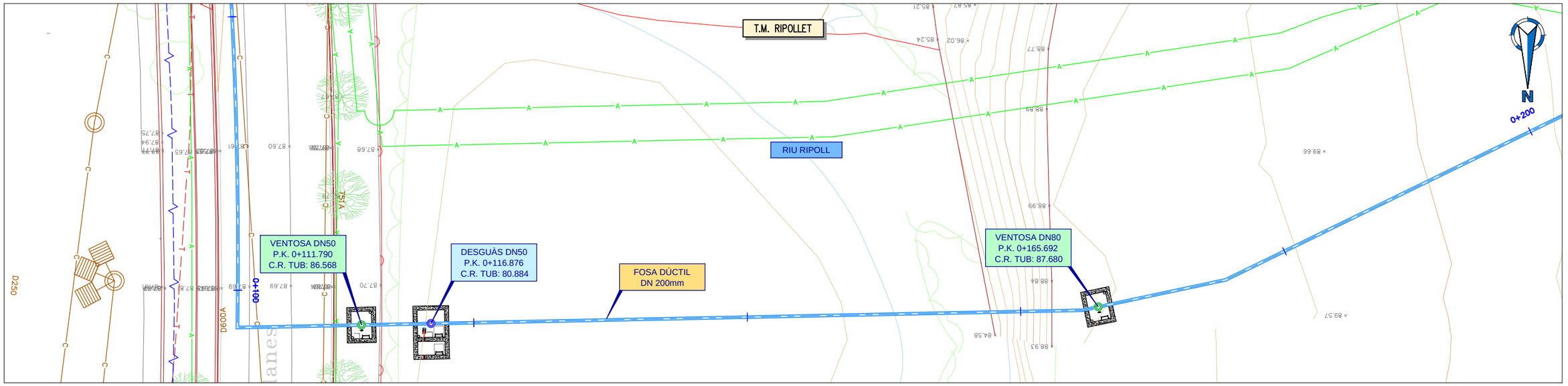
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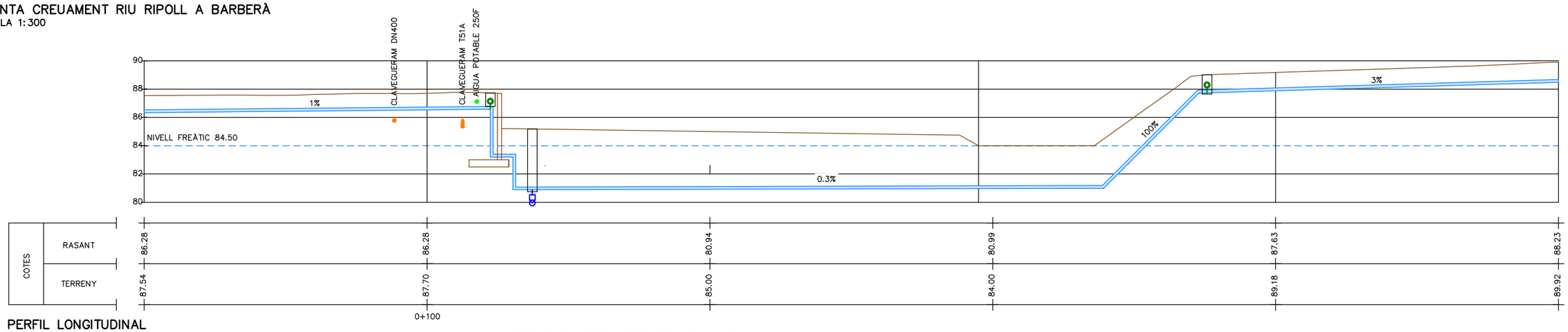
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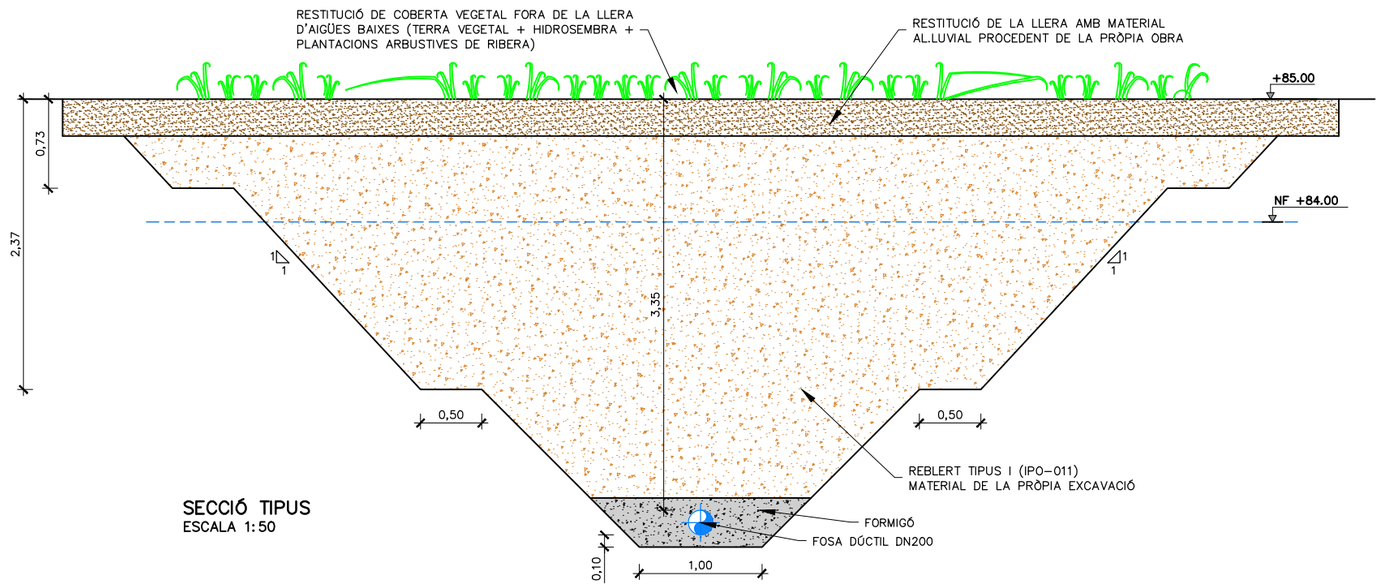
ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:1.000 (0 10 20m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET DESVIAMENT PROVISIONAL DE LA LLERA D'AIGUES BAIXES	Plànol nº: 04 Full: 02 de 02 Fitxer: 04F02.dwg



PLANTA CREUAMENT RIU RIPOLL A BARBERÀ
ESCALA 1:300



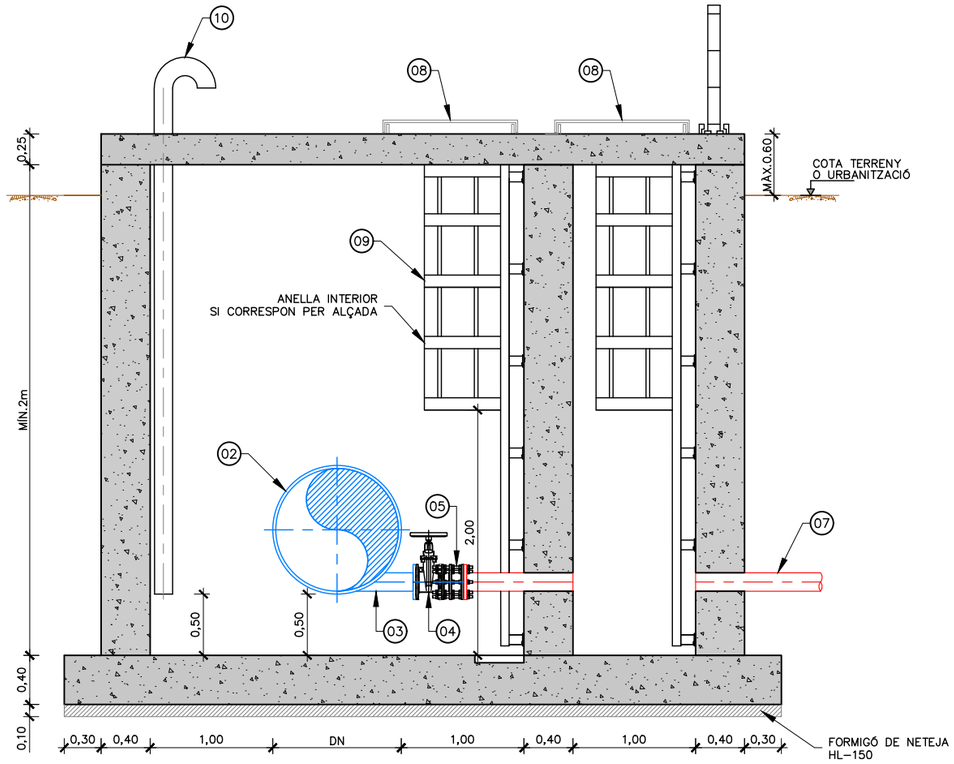
PERFIL LONGITUDINAL
ESCALA V=1:750 H=1:750



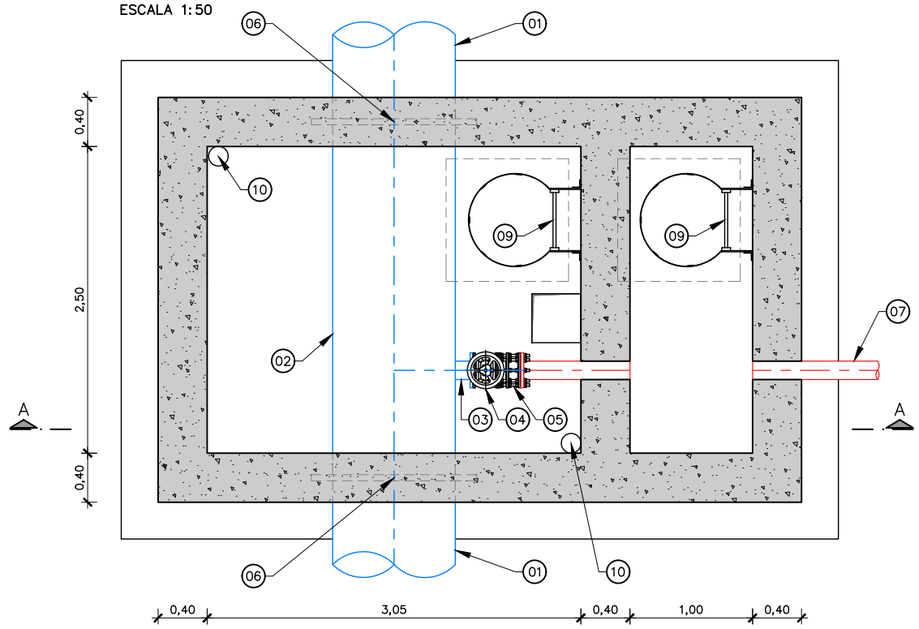
SECCIÓ TIPUS
ESCALA 1:50

ATL Àrea d'Abastament d'Aigua Ter-Llobregat · Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2025	Escala: 1:300 (0 3 6m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A BARBERÀ DEFINICIÓ GEOMÈTRICA I REPLANTEIG. PLANTA I PERFIL	Plànol nº: 05 · Full: 01 de 01 · Fixer: 05F01.dwg

ARQUETA DESGUÀS DN > ø600 I ø500
SECCIÓ A–A
ESCALA 1:50



PLANTA
ESCALA 1:50



FORMIGONS			
ELEMENT ESTRUCTURAL	TIPUS	CONTROL	γc
FORMIGÓ NETEJA	HM–20/B/20	INTENS	1.5
SOLERES	HA–30/B/20/IIa	INTENS	1.5
DINTELL I MURS	HA–30/B/20/IIa	INTENS	1.5

ACERS			
ACER	TIPUS	CONTROL	γc
ACER PER A ARMAR CORRUGAT	B 500 S	INTENS	1.15

NOTA 1:

- PARAMENTS EXTERIORS DE MURS AMB PINTURA ASFÀLTICA
- CALDERERIA: GALVANITZAT EN CALENT PER INVERSIÓ (e=80 micres)
- UNIONS AMB BRIDES MITJANÇANT PONTS DE MASSA

ARMADURES
SOLERA: CARA SUPERIOR ø12 A 20 RECOBRIMENT s=4cm MURS: ø12 A 20 RECOBRIMENT s=4cm COBERTA: ø16 A 20 REFORÇ EN OBERTURES: ø12 RECOBRIMENT s=4cm

NOTA 1:

TOTS ELS ELEMENTS RELACIONATS AMB LA PREVENCIÓ I LA SEGURETAT I SALUT, ES DISSENYARAN D'ACORD A LA IPO–003 I ALS PLÀNOLS CORRESPONENTS.

LLEGENDA	
01	TUB D'ACER DN600–500
02	CALDERERIA D'ACER GALVANITZAT DN2448 DN600–500 e=11mm + BRIDES PN10
03	CALDERERIA D'ACER GALVANITZAT DN2448 DN150 e=11mm + BRIDES PN10
04	VÀLVULA COMPORTA, DN150 PN16
05	CARRET DE DESMUNTATGE, DN150 PN16
06	PASSAMURS ELÀSTIC AMB ESCUMA DE POLIURETÀ
07	TUB DE PEAD, DN150 PN16 AMB BRIDA BOJA
08	TAPA FOSA DÚCTIL D–400 ø705mm
09	ESCALA DE GAT
10	TUBS D'AIREACIÓ DE PVC DN150

ATL Ens d'Abastament d'Aigua Ter–Llobregat

Generalitat de Catalunya

El Director del projecte: Pau Moreno Castellana

Els autors del projecte: Carlos Martín Freixa, Javier Rentero González

Consultor: ayesa

Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Data: SETEMBRE 2025

Escala: 1:50 (0 0,50 1m) Originals DIN A-3

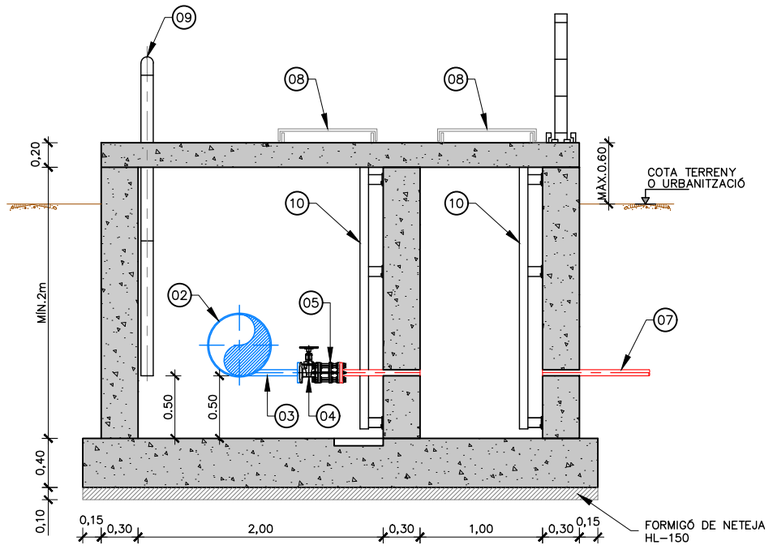
Títol del plànol: CANONADA EN RASA OBRES TIPUS DESGUASOS

Plànol nº: 04F2

Full: 02 de 03

Fitxer: 04F2F02.dwg

ARQUETA DESGUÀS DN < ø500
SECCIÓ A–A
ESCALA 1:50



FORMIGONS			
ELEMENT ESTRUCTURAL	TIPUS	CONTROL	γ_c
FORMIGÓ NETEJA	HM–20/B/20	INTENS	1.5
SOLERES	HA–30/B/20/IIa	INTENS	1.5
DINTELL I MURS	HA–30/B/20/IIa	INTENS	1.5

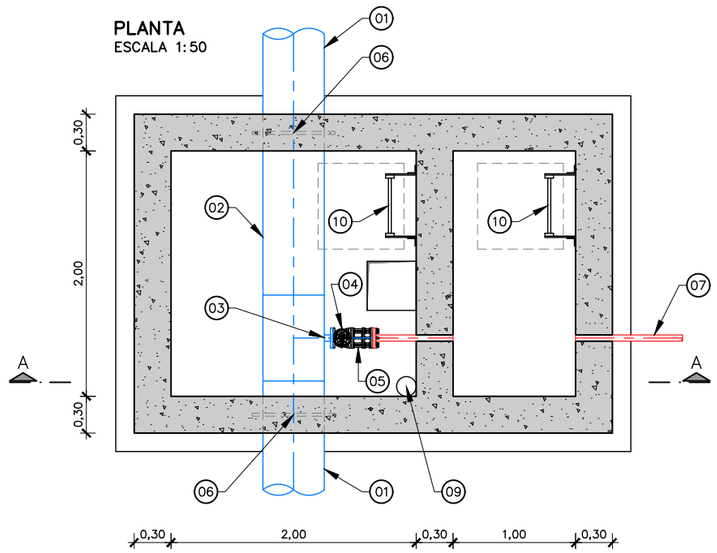
ACERS			
ACER	TIPUS	CONTROL	γ_c
ACER PER A ARMAR CORRUGAT	B 500 S	INTENS	1.15

NOTA 1:

- PARAMENTS EXTERIORS DE MURS AMB PINTURA ASFÀLTICA
- CALDERERIA: GALVANITZAT EN CALENT PER INVERSIÓ (e=80 micres)
- UNIONS AMB BRIDES MITJANÇANT PONTS DE MASSA

ARMADURES
SOLERA: CARA SUPERIOR ø12 A 20 RECOBRIMENT s=4cm
MURS: ø12 A 20 RECOBRIMENT s=4cm
COBERTA: ø16 A 20 REFORÇ EN OBERTURES: ø12 RECOBRIMENT s=4cm

PLANTA
ESCALA 1:50



NOTA 1:

TOTS ELS ELEMENTS RELACIONATS AMB LA PREVENCIÓ I LA SEGURETAT I SALUT, ES DISSENYARAN D'ACORD A LA IPO–003 I ALS PLÀNOLS CORRESPONENTS.

LLEGENDA	
01	TUB FOSA DÚCTIL
02	TUB D'ACER GALVANITZAT
03	CALDERERIA D'ACER GALVANITZAT DN2448 DN50 e=11mm + BRIDES PN10
04	VÀLVULA COMPORTA, DN50 PN16
05	CARRET DE DESMUNTATGE, DN50 PN16
06	PASSAMURS ELÀSTIC AMB ESCUMA DE POLIURETÀ
07	TUB DE PEAD, DN63 PN16 AMB BRIDA BOJA
08	TAPA FOSA DÚCTIL D–400 ø705mm
09	TUBS D'AIREACIÓ DE PVC DN150
10	ESCALA DE GAT

ATL Ebre d'Abastament d'Aigua Ter-Llobregat

Generalitat de Catalunya

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Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

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Annex 3 Separata inicial

5

ATL
Ens d'Abastament
d'Aigua Ter-Llobregat

Agència Catalana de l'Aigua

Generalitat de Catalunya

PROJECTE CONSTRUCTIU

TÍTOL:

PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

COMARCA:

Vallès Occidental

TERMES MUNICIPALS:

Ripollet
Barberá del Vallès
Montcada i Reixac

TOM NUM.:

I

DOCUMENTS:

1. MEMÒRIA
2. PLÀNOLS

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Carlos Martín Freixa
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CONSULTOR:

ayesa

DATA DE REDACCIÓ:

Maig de 2025

SIGNATURA ELECTRÒNICA
PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Amb la implementació d'aquest full es consideren signats electrònicament els documents continguts en el PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ, que a continuació es detallen:

- **SEPARATA ACA**
  - **1. Memòria**
  - **2. Plànols**

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Memòria

ATL
Ens d'Abastament
d'Aigua Ter-Llobregat

Índex

1 Introducció 1

2 Descripció de l'actuació 1

3 Afeccions a lleres públiques 2

3.1 Creuament a Ripollet 2
3.2 Creuament a Barberà del Vallés. 3

4 Solucions adoptades 4

4.1 Creuament proper a l'inici del traçat 4
4.1.1 Alternatives estudiades 4
4.1.2 Solució proposada 6
4.1.3 Procés constructiu 6
4.2 Creuament proper al Dipòsit de Barberà del Vallés 7
4.2.1 Alternatives estudiades 7
4.2.2 Descripció de la solució proposada 7
4.2.3 Procés constructiu 8

6 Càlcul de l'erosió 10

6.1 Metodologia del càlcul. 10
6.2 Hidrologia del Riu Ripoll 10
6.3 Modelització hidràulica del Riu Ripoll 10
6.4 Caracterització del sòl al·luvial 14
6.4.1 Campanya de reconeixements de camp 14
6.4.2 Característiques granulomètriques. 15
6.5 Càlculs d'erosió 15
6.5.1 Metodologia 16
6.5.2 Formulació per al càlcul de l'erosió 16
6.6 Resultats del càlcul de l'erosió en el creuament proper a l'inici del traçat 17
6.6.1 Erosió general a llarg termini 17
6.6.2 Erosió general transitòria 17
6.7 Resultats de càlcul de l'erosió en el proper al dipòsit de Barberà del Vallés 17
6.7.1 Erosió general a llarg termini 17
6.7.2 Erosió general transitòria 17

7 Conclusions 18

Apèndix I Model Hidràulic
Apèndix II Estudi Granulomètric
Apèndix III Càlculs d'erosió

1 Introducció

AYESA està redactant per encàrrec d'ATL el "PROJECTE CONSTRUCTIU DE RENOVACIÓ DERIVACIÓ COMARCAL VALLES OCCIDENTAL (BARBERÀ-RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ", que té com a finalitat la renovació de les canonades de Derivació Municipal de Ripollet i Derivació Municipal de Barberà del Vallés que reben aigua de la canonada Comarcal del Vallés Occidental Sud, que són de fibrociment i que presenta molts problemes ja que manté les característiques de la seva construcció.

L'objecte de la present separata és identificar les interferències de la nova canonada amb lleres públiques i justificar la solució constructiva adoptada pel creuament d'aquestes.

2 Descripció de l'actuació

La renovació consistirà en una nova canonada independent a la existent ja que aquesta primera s'ha de mantenir en servei en tot moment i el seu estat es molt precari per tant la interferència amb la mateixa ha de ser mínima.

El Projecte connecta amb a canonada Comarcal del Vallés Occidental Sud al terme municipal de Montcada i Reixac. Des del punt inicial discorre cap a Ripollet amb un diàmetre de DN 600 mm en un tram d'uns 3.700 m.

A partir d'aquí la canonada es bifurca en una derivació cap als dipòsits municipals de Ripollet del longitud 925 m i un DN 500 mm i la derivació a Barberà del Vallès amb un DN 300 mm.

El la derivació de Barberà del Vallés hi ha una derivació intermèdia de DN 250 per alimenta al dipòsit Nicolàs de SABEMSA, A partir d'aquí la canonada que alimenta el dipòsit municipal de Barberà del Vallés.

La nova canonada serà d'acer per als diàmetres DN 600 i DN 500 i de fosa en ela resta de diàmetres més petits.

Un cop posada en servei la nova canonada, la canonada existent de fibrociment quedarà fora de servei. El projecte no preveu cap actuació sobre aquesta canonada més enllà de les connexions.

Es una canonada que discorre de sud a Nord que va des de la connexió a un ramal secundari de la canonada Comarcal del Vallès Occidental Sud estructurada i que va tenint múltiples derivacions per tal de connectar amb els dipòsits de Ripollet, Nicolás i Barberà del Vallés.

El traçat de la nova canonada començarà amb la connexió a la canonada t existent al Carrer del Progrés, al polígon industrial en Montcada i Reixac al sud del riu Ripoll:

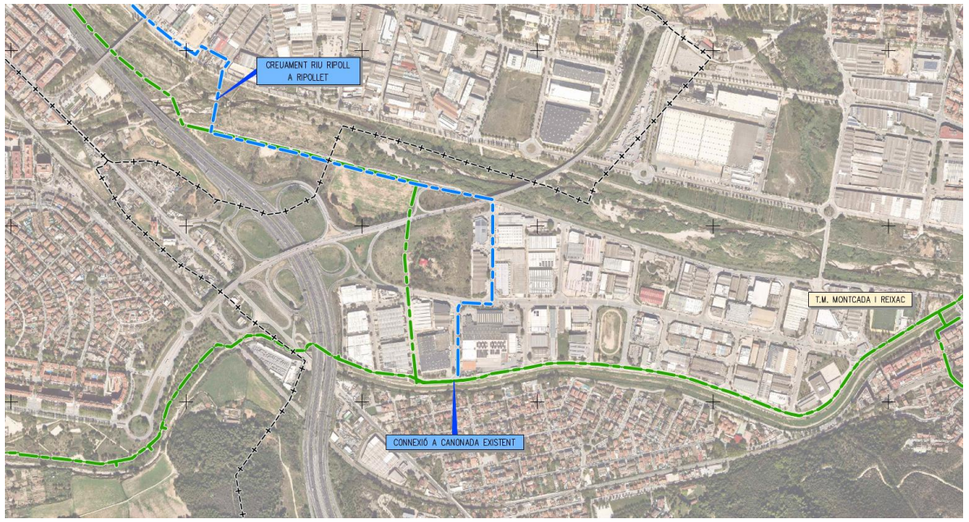


Figura 1. Punt inicial del traçat.

Aquesta discorrerà pel al Carrer de l'Alimentació i el del Gas per sortir del polígon pel Carrer del Vapor. Seguidament, creuarà el Riu Ripoll fins a arribar a la Avinguda del Riu Ripoll, per on continuarà fins a la carretera B-141.

La canonada discorrerà paral·lela a l'Avinguda del Riu Ripoll i posteriorment per diferents vials de servei paral·lels la B-141 fins a l'alçada de l' Avinguda del Mar Mediterrani, on la canonada es bifurcarà en les derivacions a Ripollet (DN 500) i a Barberà del Vallès (DN 300). Per una banda, una canonada de DN500 discorrerà al llarg de tota la Avinguda del Mediterrani fina a connectar amb els dipòsits de Ripollet. Per una altre, una canonada de DN300 mm continuarà per la carretera B-141 fins a desviar-se fins a l'Avinguda Torre de Mateu, on es produirà una segona bifurcació fins a connectar amb el Dipòsit de Nicolàs amb un tram de canonada DN 250 mm.



Figura 2. Derivació als Dipòsits de Ripollet.

Per últim, des de aquesta última derivació, un últim tram de canonada DN200 continuarà pel Carrer Molí d'en Planes, creuarà de nou el Riu Ripoll i connectarà amb el Dipòsit de Barberà del Vallés a través del Camí del Moli Vermell.

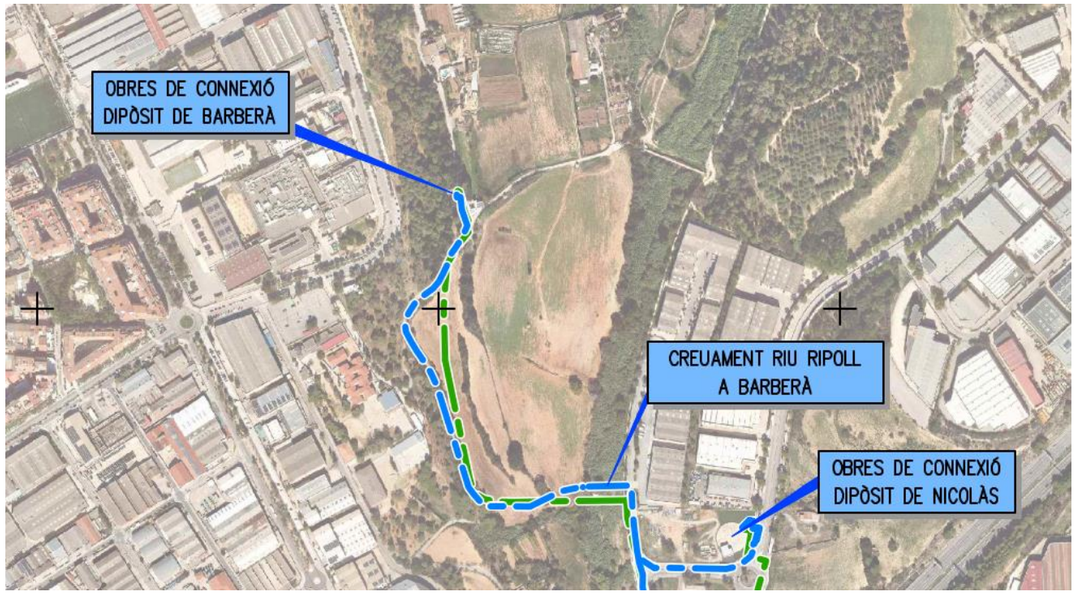


Figura 3. Derivació cap al dipòsit de Nicolás i Connexió al Dipòsit de Barberà del Vallés.

3 Afeccions a lleres públiques

La nova canonada proposta creua el Riu Ripoll en dos punts.

- El primer serà en el tram inicial de la canonada amb un DN 600 mm en la zona propera a la confluència del riu Ripoll i el riu sec
- El segon serà en el terme municipal de Barberà al nord del creuament de la AP-7 amb el riu Ripoll, a la Derivació de Barberà amb una canonada de DN200 mm

3.1 Creuament a Ripollet

El traçat inicial de la canonada es realitza pel marge dret del riu, ja que es una zona rural que no presenta els problemes del marge esquerra per l'Avinguda del Riu Ripoll que és una zona amb una important presència de serveis i un eix principal en l'articulació del transit del municipi.

A l'entorn de la confluència de riu sec on ja no hi ha possibilitat de continuar el traçat pel marge dret, perquè s'hauria de fer també el creuament del riu sec i per la presència de la C-58 com a límit de la llera del riu, es realitza el creuament del riu sec per continuar el traçat cap al nord pel marge esquerre del riu.

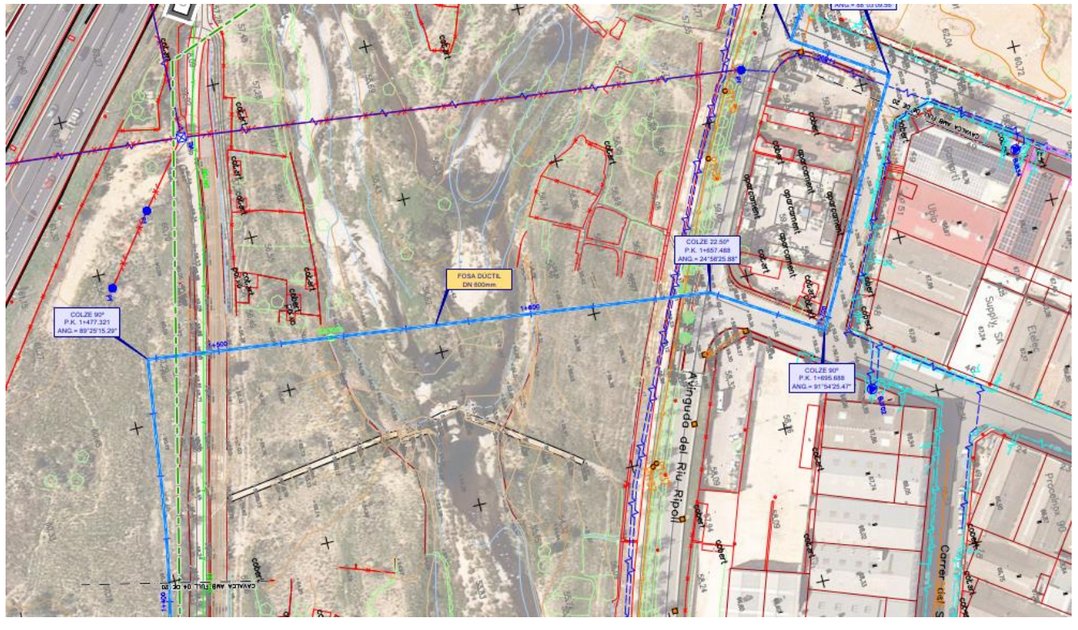


Figura 4. Planta de la zona del creuament.

El primer punt de creuament correspon a una zona bastant ample del riu Ripoll (uns 133 metres), situada just després de la unió entre aquest i el Riu Sec.

En les planes d'inundació de la llera s'observa vegetació de ribera formada per una combinació de vegetació herbàcia i d'espècies arbustives de ribera de mida mitja. La llera d'aigües baixes està despoblada de vegetació amb presència superfície d'una grava-sorrenca derivada de l'arrossegament del riu .



Figura 5. Vista general del traçat del creuament.



Figura 6. Llera d'aigües baixes del Riu Ripoll.

El creuament es fa aigües amunt d'una estructura de formigó que en seu tram central ha estat trencada per l'efecte erosiu del riu.



Figura 7. Estructura de formigó aigües avall del creuament.

3.2 Creuament a Barberà del Vallés.

El creuament a Barberà del Vallés es necessari ja que la major part del traçat de la canonada projectada discorre per la trama urbana de Ripollet i Barberà del Vallés en el marge esquerre del riu Ripoll mentre que el dipòsit d'ATL de Barberà del Vallés al que s'ha de connectar es troba en el marge dret.

El creuament es realitza en el carrer Molí d'en Planes al nord de l'AP-7 on la llera del riu ripoll té uns 40 m. En el marge esquerra que limita amb zona urbana, hi ha un mur d'uns 2,5 m delimitant la llera, mentre que en el marge dret hi ha un talús natural ja que la conca delimita amb una parcel·la rústica.

El creuament es proposa aigües amunt d'un petit assut en el riu d'uns 2 m d'alçada.

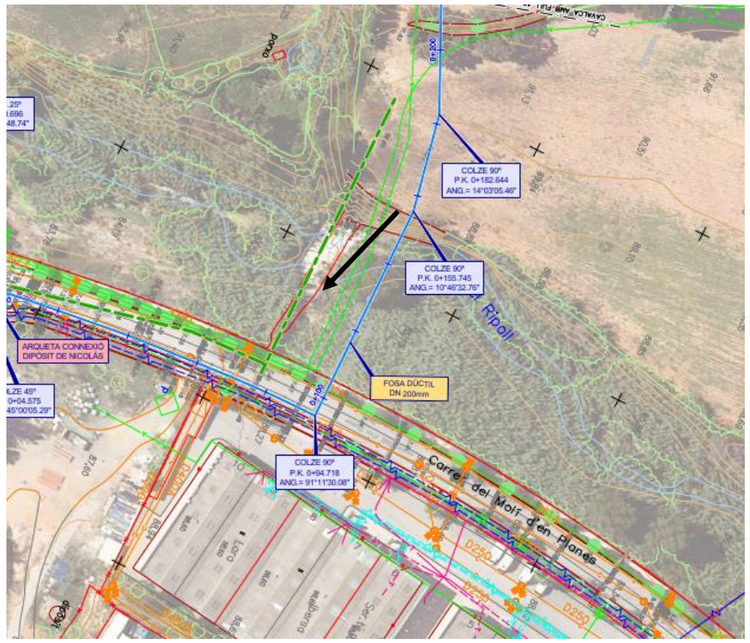


Figura 8. Creuament del Riu Ripoll proper al Dipòsit de Barberà del Vallés.

En la llera del riu es pot observar vegetació de ribera amb una predominança de canya (*Arundo donax*) amb possible presència de canyís (Phragites australis), acompanyada d'alguna vegetació herbàcia baixa



Figura 9. Vista de la zona de creuament.

4 Solucions adoptades

Per ambdós casos s'ha realitzat un estudi de les possibles alternatives per al creuament de la llera, tant en mètodes que permeten realitzar el creuament sense aïllar-se de la llera

Com a solució en ambdós casos es planteja la execució del creuament del riu en amb una excavació amb rasa oberta.

Com a criteri es col·loca la rasant de la canonada per sota de la cota d'erosió que s'ha calculat en l'apèndix 3. La canonada en el creuament de la riera per la seva protecció es formigonarà fins a 15 cm per sobre de la seva generatriu superior.

4.1 Creuament proper a l'inici del traçat

4.1.1 Alternatives estudiades

Per fer el creuament del riu s'estudien varies alternatives:

- Execució d'una Perforació Horitzontal Dirigida
- Execució d'una empenta.
- Execució a de rasa a cel obert.

Les dues primeres alternatives no requerirà un desviament del curs d'aigües baixes del riu mentre que en la tercer sí.

- Execució de PHD.

Descripció tècnica

La perforació horitzontal dirigida es un sistema que s'executa des de superfície mitjançant un traçat en corba. La canonada que s'utilitza es de PEAD que té una flexibilitat per poder descriure un traçat corb.

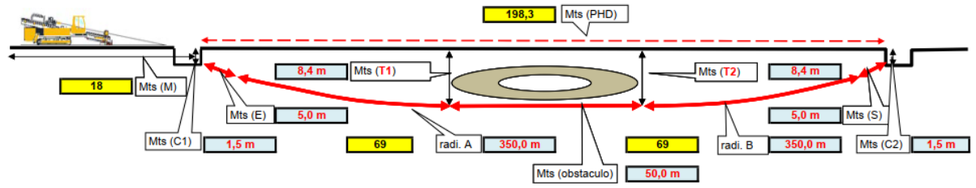


Figura 10. Esquema de perforació dirigida.

El diàmetre nominal de la canonada és DN 600 en fosa dúctil. En cas de plantejar una canonada de PEAD implicaria augmentar el DN A 710 mm per mantenir la secció interior.

El PEAD es un material que ATL descarta, ja que per la seva experiència han tingut problemes de manteniment, per tant en aquest cas donat que el creuament del riu es un punt sensible es descarta. Per tant en cas de preveure aquest mètode la canonada de PEAD hauria de ser una beina per la canonada interior d'altre material que en el cas del rang de la canonada que es dissenya seria Fosa dúctil o Acer

Donat al traçat corb de la PHD no es habitual per introduir una canonada de fosa dúctil o acer ja que presenta unes dificultats constructives. Es podria introduir amb radis molt alts i amb un tipus de canonada especial amb juntes flexibles i restringides. Aquestes juntes estan dissenyades per suportar les forces de tracció i flexió durant la instal·lació i per permetre petites deflexions.

Per executar els radis necessaris l'execució de la PHD s'hauria de realitzar a una distancia considerable de la llera.

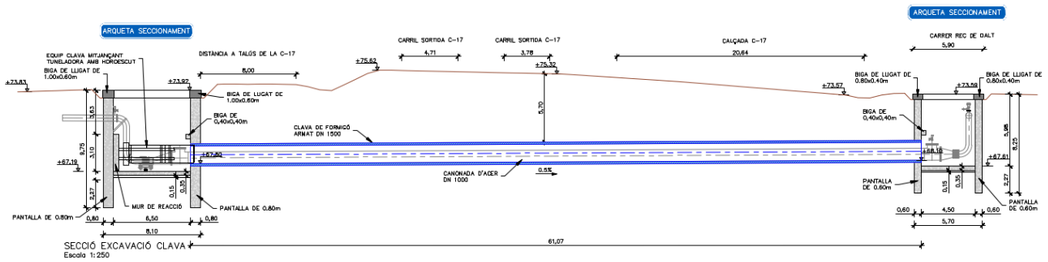
Valoració econòmica

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Perforació DN 800 inclòs canonada beina	ml	1400	85	119.000
Canonada FD 600 juntes especials	ml	381	85	32.385
Transport de maquinaria i operacions auxiliars	ut			25.000
TOTAL				**174.600**

- Execució d'una empenta.

Descripció tècnica

Una segona possibilitat es la empenta d'una canonada recta. La canonada empentada serà la beina de la canonada definitiva en el seu interior



S'haurà de realitzar un pou d'atac que permeti la reacció de la empenta i un pou de sortida que en aquest cas podria ser a cel obert. Es tractaria d'una canonada exterior de DN 800 mm on s'introduiria una canonada d'acer o fosa DN 600.

En el cas de realitzar la empenta només per salvar la llera d'aigües baixes el pou d'atac i sortida tindria mínim de 6 m de profunditat, mentre que si es fa fora tindria pràcticament 10 m de profunditat.

Realitzar els pous d'atac fora de la llera d'aigües baixes implicaria realitzar 140 m d'empenta i uns pous de 10 m amb recinte de pantalles. Per tant aquesta opció pel seu cost no es contempla.

A continuació és mostra la valoració del creuament únicament de la llera d'aigües baixes on els pous d'atac i recepció seran estructures auxiliars que en fase definitiva s'anul·laran deixant únicament unes arquetes més reduïdes per inspecció i desguàs.

Valoració econòmica

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Empenta DN 800 inclòs canonada d'acer	ml	675	85	57.375
Canonada Fosa DN 600	ml	303	85	25.755
Transport de maquinaria i operacions auxiliars	ut			25.000
Pous d'atac i pous de recepció	ut			70.000
TOTAL				**178.130**

- Execució en rasa oberta.

Aquesta opció serà l'excavació en una rasa oberta, desviant la llera d'aigües baixes del riu i instal·lant la canonada per sota de la cota d'erosió.

Descripció tècnica

Donat que el nivell freàtic està bastant superficial connectat amb el nivell d'aigua del riu serà una excavació amb presencia de freàtic amb mesures d'esgotament per poder executar la canonada en sec.

El creuament de la llera d'aigües baixes es realitzarà en dues fases, desviant el curs d'aigües baixes i realitzant una mota de protecció de la zona d'obres.

Valoració econòmica

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Canonada fosa DN 600	ml	360	85	40.205
Mitjans auxiliars d'esgotament	ut			25.000
Desviament de la llera aigües baixes i restitució fina	ut			15.000
TOTAL				**80.205**

- Elecció de la solució.

La solució adoptada en el projecte és el creuament del riu en rasa oberta pels següents motius:

- Es descarta la opció de realitzar una Perforació Horitzontal dirigida perquè per motius de manteniment ATL no contempla el PEAD com material de les canonades i el creuament del riu es considera un tram crític en quant a la durabilitat de la canonada de cara a evitar futures fugues i la durabilitat de la mateixa.
  L'alternativa seria introduir una segona canonada en el interior de la canonada amb que es realitza la PHD. Aquesta opció es descarta per motius econòmics ja que encariria notablement l'obra. A més és un procediment constructiu amb canonades amb juntes especials per empentes i no presenta les mateixes garanties que procediments més habituals.

- L'alternativa de la empenta es descarta per l'increment de cost que suposaria. Executar els pous fora de la llera suposaria uns pous de 10 m, que requerien un recinte de pantalles encarint encara més la solució ja de per si amb un cost important, per tant aquesta solució econòmicament es pràcticament inviable. En el cas de passar només la llera d'aigües baixes l'obra també requerirà uns pous d'atac i recepció importants que s'hauran d'executar sota freàtic.

  A més aquest tipus de solució necessita uns mitjans auxiliars importants per la empenta que es col·locaran dintre de la llera i per tant l'afecció a la llera durant la fase constructiva tot i salvar la zona de la llera d'aigües baixes també es important. Al ser una empenta sota freàtic haurà de ser amb escut tancat cossa que encarirà l'obra encara més.

- L'alternativa triada es la execució en rasa, amb esgotament del freàtic. Es tracta de l'alternativa més econòmica, que tècnicament presenta menys dificultats i garanteix una correcta execució de la canonada que repercuteix en una major fiabilitat en quant a la durabilitat de la canonada.

  El creuament es realitza en una zona amb una llera molt amplia amb una llera d'aigües baixes en la zona central amb una pendent relativament baixa. Per tant el desviament provisional de la llera d'aigües baixes no suposarà una alteració important amb la dinàmica de la llera d'aigües baixes afegint que un cop executada l'obra la llera es restituirà al seu estat original.

4.1.2 Solució proposada

La solució proposada es un traçat en rasa oberta per sota de la profunditat d'erosió de **2,5 m** que es justifica en l'apartat 4.

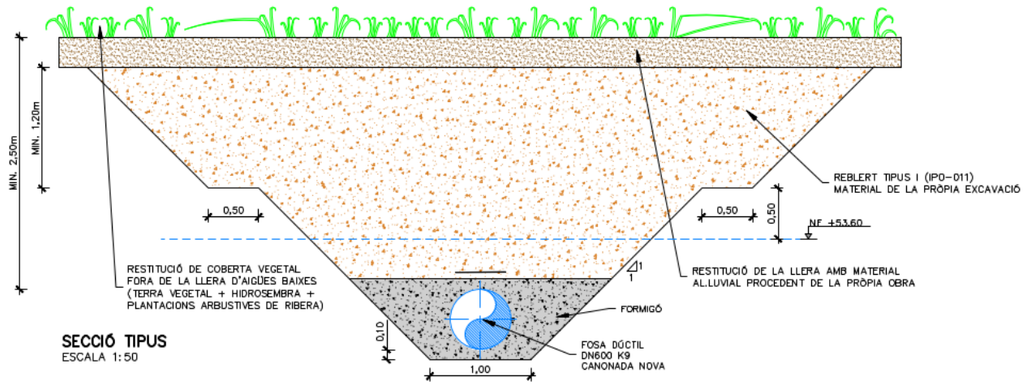


Figura 11. Secció tipus del creuament del Riu Ripoll.

Per al creuament del riu es proposa la instal·lació de la conducció mitjançant rasa oberta amb esgotament del nivell freàtic. L'execució de la rasa es realitza en dos nivells: una primera excavació de fins a 50 cm per sobre del nivell freàtic, on s'instal·larà el sistema d'esgotament amb well-points, que es col·loquen amb una separació d'un metre. Un cop s'ha rebaixat el nivell de l'aigua subterrània, es realitza la segona etapa de l'excavació fins a la cota requerida per a instal·lar la canonada projectada. Segons els càlculs d'estabilitat realitzats els talussos provisionals de la excavació seran 1H:1V.

La canonada es protegirà amb un reblert de formigó fins a 15 cm per sobre de la canonada.

Un cop executades les obres es restituiran les superfícies afectades amb material al·luvial retirat en la pròpia obra i amb plantació de vegetació de ribera similar a la existent a la zona.

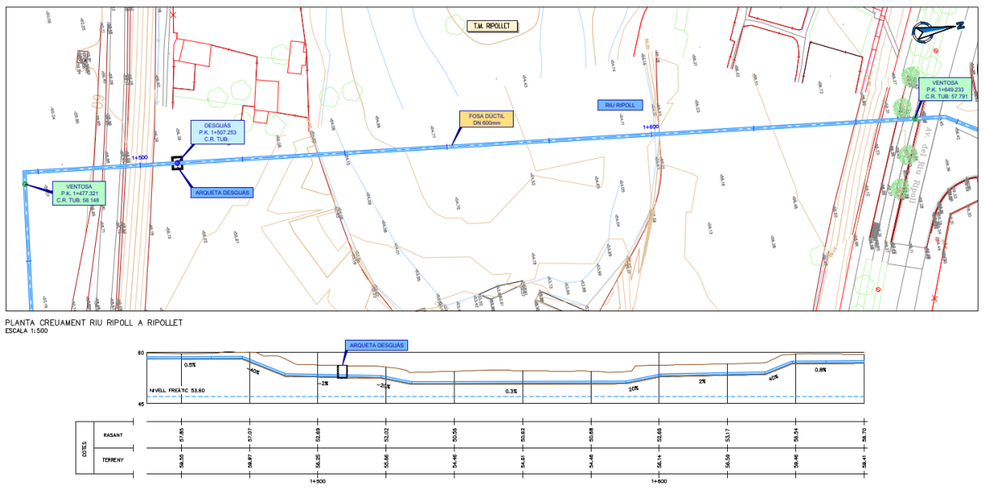


Figura 12. Primer creuament del Riu Ripoll.

Donat que el creuament es un punt baix de la canonada, per poder buidar aquestes per tasques de manteniment o reparació, en la llera del riu però fora de la llera d'aigües baixes, en la zona més propera al límit de l'endegament es preveu una arqueta de desguàs de 2,5x2,5 m.

4.1.3 Procés constructiu

L'execució de l'actuació es realitzarà en dues fases. Es crearà una zona seca per poder treballar amb la execució de dues motes laterals de terres que evitin la inundació de la obra en cas d'un episodi de pluja durant la execució de les obres. Aquestes motes es dimensionen per un període de retorn de **T= 3 anys.** La cota superior de la mota serà la cota **+56,25 msnm** . Es realitzaran amb material de la pròpia obra amb talussos 3H:2V.

En l'apèndix 1 es recull la modelització en HEC-RAS per al cabal de un període de retorn T=3 anys: utilitzat per determinar la cota de coronació dels talussos protectors de les rases a cel obert.

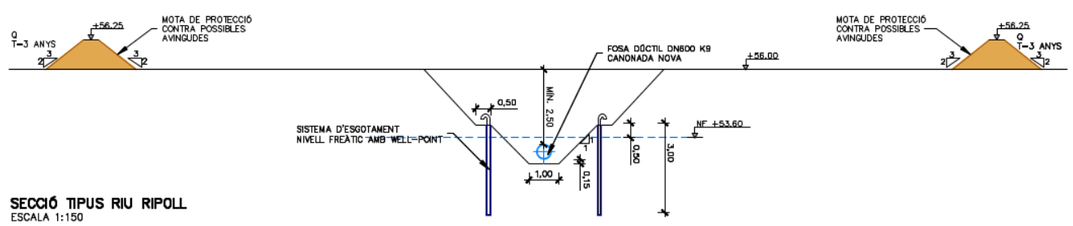


Figura 13. Secció tipus d'execució de la rasa del riu Ripoll

El procés constructiu de la rasa s'efectuarà en dues fases:

Fase 1: Realització d'una mota de pendent 3H:2V a una distància de 8 m del centre de la canonada i amb cota màxima +56,25 m que resguardi la zona d'actuació de possibles avingudes . Es desvia el curs d'aigües baixes cap a la part externa de la mota i s'executa la rasa oberta en dos nivells, amb la posterior col·locació i recobriment de la canonada segons la rasa tipus projectada.

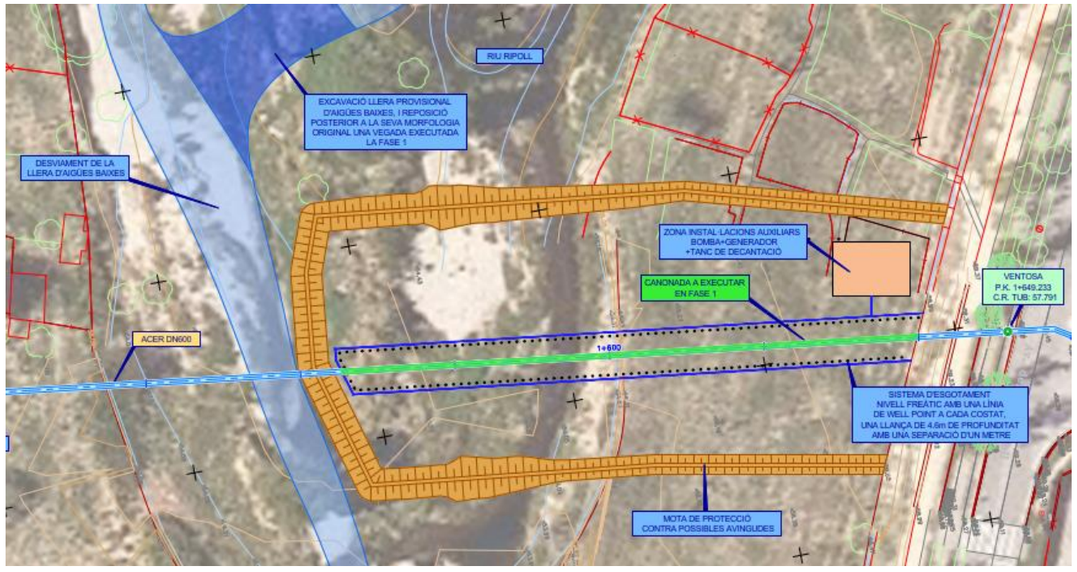


Figura 14. Procés constructiu (Fase 1).

Fase 2: S'executa una segona mota del mateix pendent al sentit contrari del riu per a instal·lar l'altre tram de canonada i es restitueix el curs del riu. A partir d'aquest punt, el procediment d'execució, instal·lació i recobriment és igual que en la fase 1.

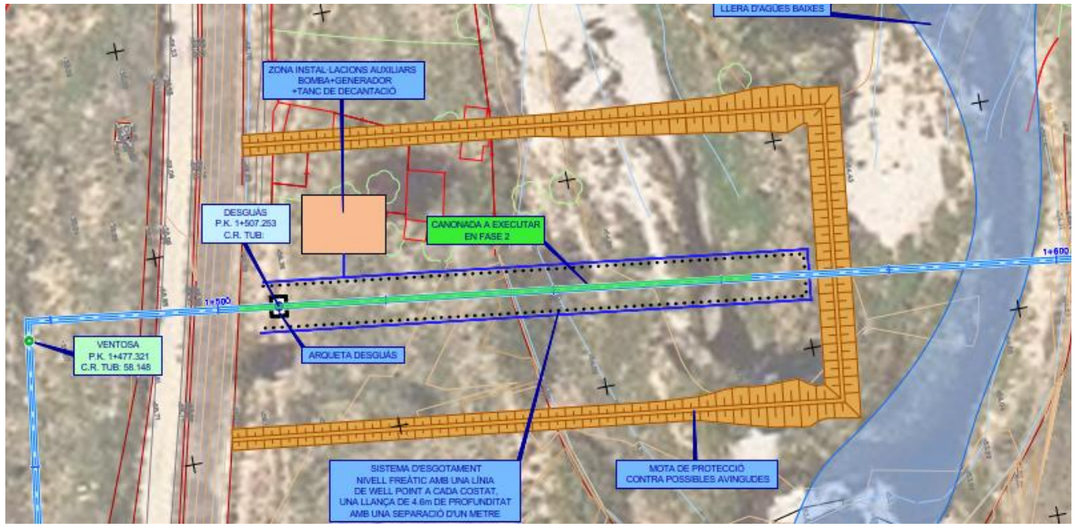


Figura 15. Procés constructiu (Fase 2)

Un cop finalitzades les obres es restituirà la llera al seu estat inicial, restaurant la coberta arbustiva i herbàcia de la plana d'inundació i restituint la llera amb material de la mateixa estret durant les obres.

4.2 Creuament proper al Dipòsit de Barberà del Vallés

4.2.1 Alternatives estudiades

Descripció tècnica

Per fer el creuament del riu s'han estudiat les mateixes alternatives que en el cas anterior

- Execució d'una Perforació Horitzontal Dirigida
- Execució d'una empenta.
- Execució a de rasa a cel obert.

En aquest cas la llera del riu es molt més estret d'un 40 m

En aquest cas les alternatives que s'independitzen de la llera el procediment de perforació on empenta s'executaria des de la parcel·la rústica adjacent.

En el marge esquerre del riu, el límit de la llera amb el vial existent es un mur d'uns 2,5 m. La cota de la llera del riu està a la cota 85 m mentre que la cota del vial està a la cota 84,5 m

Al igual que en el cas anterior per complir els estàndards d'ATL en quant a materials de les canonades el tub de la perforació dirigida o la empenta no es podran utilitzar com a canonada de transport. Per tant la solució constructiva serà un tub que funcionarà com a beina amb la canonada definitiva dintre del tub de la perforació o empenta.

Valoració econòmica

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Perforació DN 400 inclòs canonada beina	ml	540	45	24.300
Canonada FD 200 juntes especials	ml	75	45	3.375
Transport de maquinaria i operacions auxiliars	ut			25.000
TOTAL				**52.675**

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Empenta DN 400 inclòs canonada d'acer	ml	400	45	57.375
Canonada Fosa DN 200	ml	75	45	25.755
Transport de maquinaria i operacions auxiliars	ut			25.000
Pous d'atac i pous de recepció	ut			25.000
TOTAL				**90.375**

Partida	Unitats	Preu (€)	Longitud	Cost (€)
Canonada fosa DN 200	ml	104	45	4.680
Mitjans auxiliars d'esgotament	ut			6.600
Desviament de la llera aigües baixes i restitució fina	ut			10.000
TOTAL				**21.280**

Solució proposada

La solució proposada és la execució a cel obert pels següents motius.

- La llera d'aigües baixes ocupa una secció molt reduïda de l'ample total de la llera, permet el desviament senzill de la llera d'aigües baixes del riu i no alterant el funcionament.
- El cost de l'empenta es molt important degut a la necessitat de realitzar la empenta amb un diàmetre major.
- El mur del marge esquerra fa que si es vol travessar el mur amb una perforació per no comprometre la seva estabilitat s'hagi de passar sota solera del mur amb un resguard de 5 vegades el diàmetre cosa que farà que la sortida al carrer sigui molt més profunda.

Per aquests motius es considera que la millor solució de creuament de la llera serà en rasa oberta ja que es pot executar sense realitzar una afecció important sobre el funcionament del riu.

4.2.2 Descripció de la solució proposada

La solució proposada és una solució amb rasa oberta amb la canonada situada a una profunditat mínima de 3,00 m. El càlcul de la erosió es justifica en l'apartat 6.

El càlcul de l'erosió es conservador, ja que el mètode de càlcul considera únicament que es produeix sense considerar aportació. Aigües avall del creuament hi ha un petit assut que farà que hi hagi retenció de sediment. Aquest fet no s'ha considerat en el càlcul de l'erosió però serà un factor de seguretat addicional.

Per tant es planteja una solució amb rasa amb la canonada a una profunditat mínima de 3,00 m per sota de la profunditat d'erosió transitòria i protegida amb formigó.

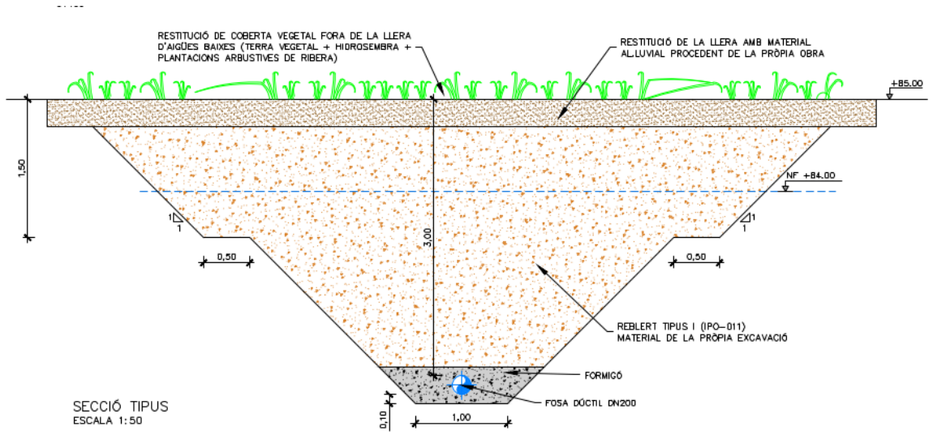


Figura 16. Secció tipus del creuament del Riu Ripoll.

Per al creuament del riu es proposa la instal·lació de la conducció mitjançant rasa oberta amb esgotament del nivell freàtic. Donada la profunditat de la canonada respecte al nivell freàtic l'execució de la rasa es realitzarà en dos nivells: una primera excavació, aproximadament fins a la meitat de la rasa on es col·locarà una primera línia de well points amb una separació d'un metre. Un cop s'ha rebaixat el nivell de l'aigua fins a aquest nivell es col·locarà una segona línia de well point i es realitza la segona etapa de l'excavació fins a la cota requerida per a instal·lar la canonada projectada. Segons els càlculs d'estabilitat realitzats els talussos provisionals de la excavació seran **1H:1V.**

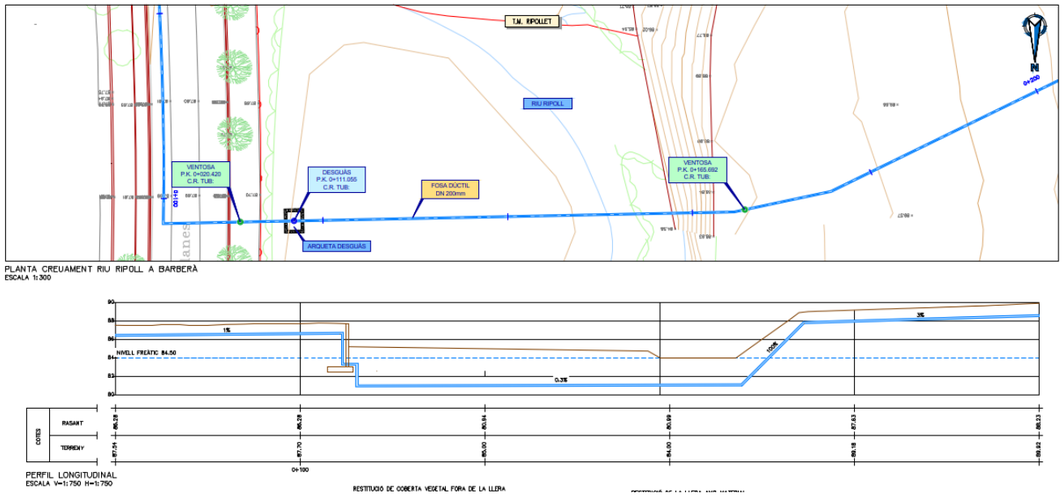


Figura 17. Segon creuament del riu Ripoll.

4.2.3 Procés constructiu

Es segueix el mateix procediment que el cas del primer creuament. Primerament, es crearà una zona seca per poder treballar amb la execució de dues motes laterals de terres que evitin la inundació de la obra en cas d'un episodi de pluja durant la execució de les obres. Aquestes motes es dimensionen per un període de retorn de 3 anys i es dimensionen amb talussos 3H:2V fins a arribar a la **cota +86,5 m.s.n.m.**

En l'apèndix 1 es recull la modelització en HEC-RAS per al cabal de un període de retorn T=3 anys: utilitzat per determinar la cota de coronació dels talussos protectors de les rases a cel obert.

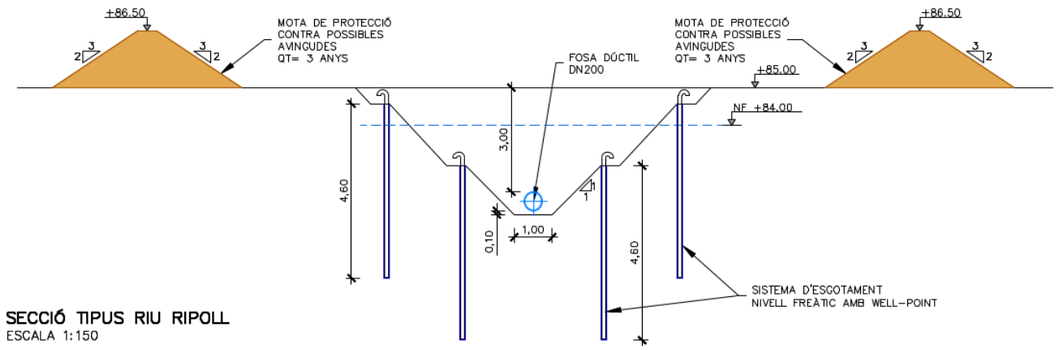


Figura 18. Secció tipus d'execució de la rasa del riu Ripoll.

El procés constructiu es dividirà en les següents fases:

Fase 1: Realització d'una mota de pendent 3H:2V a una distància de 8 m del centre de la canonada i amb cota màxima +86,5 m que resguardi la zona d'actuació de possibles avingudes. Es desvia el curs d'aigües baixes cap a la part externa de la mota i s'executa la rasa oberta en dos nivells, amb la posterior col·locació i recobriment de la canonada segons la rasa tipus projectada. Una part de la mota es recolza sobre la canonada existent, de manera que s'estableix la protecció provisional d'aquest amb una llosa de formigó.

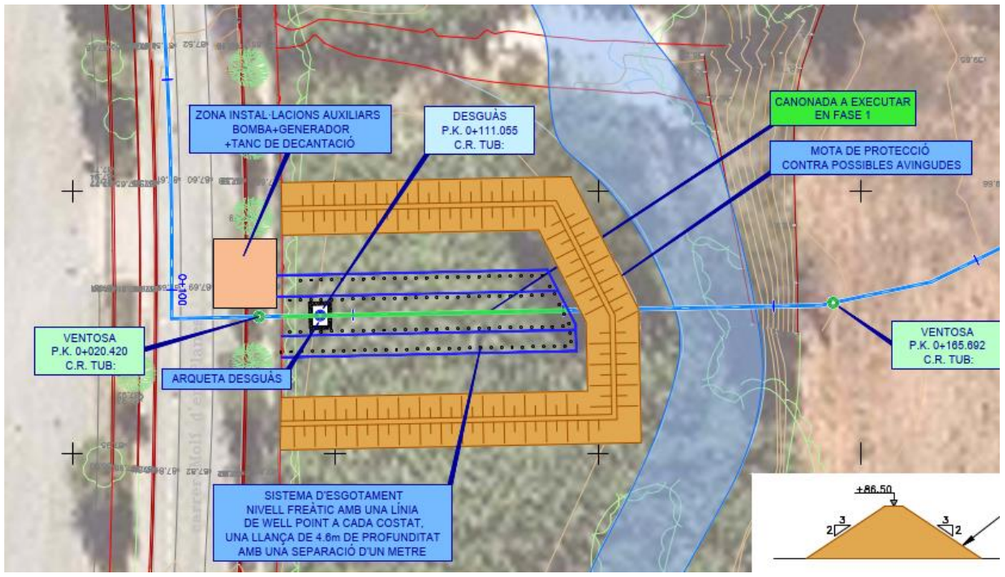


Figura 19. Procés constructiu (Fase 1).

Fase 2: S'executa una segona mota del mateix pendent al sentit contrari del riu per a instal·lar l'altre tram de canonada i es restitueix el curs del riu. A partir d'aquest punt, el procediment d'execució, instal·lació i recobriment és igual que en la fase 1.

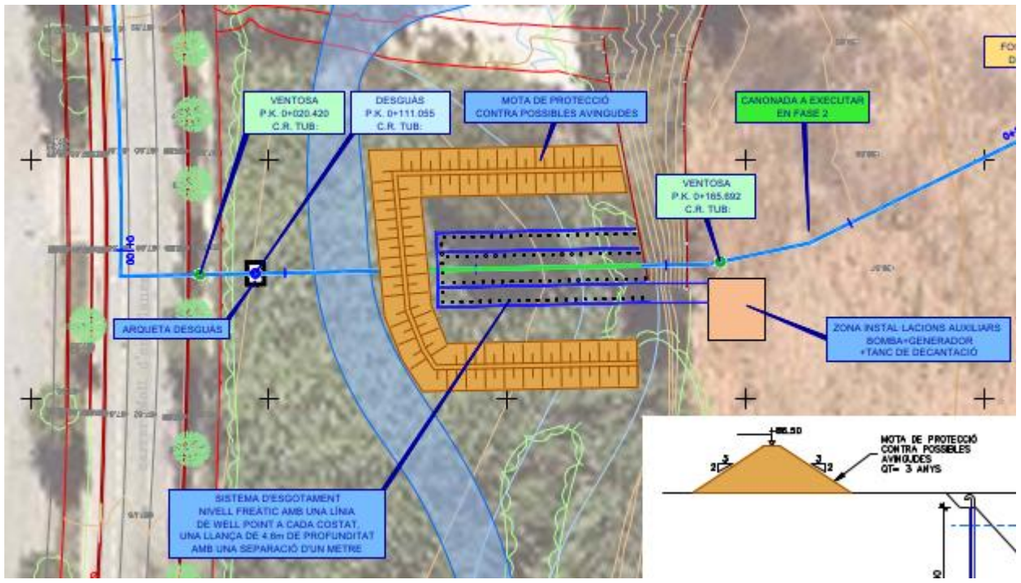


Figura 20. Procés constructiu (Fase 2).

Un cop finalitzades les obres es restituirà la llera al seu estat inicial, restaurant la coberta arbustiva i herbàcia de la plana d'inundació i restituint la llera amb material de la mateixa estret durant les obres.

En la caixa del riu però fora de la llera d'aigües baixes es dissenya una arqueta de desguàs de 2x1,5 m.

6 Càlcul de l'erosió

6.1 Metodologia del càlcul.

Per realitzar el càlcul de la erosió s'ha seguit la següent, metodologia.

- Modelització del riu Ripoll en HEC RAS per determinar la s característiques hidràuliques en les seccions on es realitzarà el creuament.
- Caracterització granulomètrica del material de la llera del riu a partir dels reconeixements de camp realitzats.
- Càlcul de la profunditat d'erosió en les seccions previstes.

6.2 Hidrologia del Riu Ripoll

El Riu Ripoll pertany a la conca del Besòs que, amb una superfície de 1038 km², es troba emmarcada entre les serralades Pre-litoral i Litoral, encara que la major part de la seva superfície es desenvolupa dins de la depressió del Vallès. La Conca del Besòs és la més habitada de Catalunya, amb més de 2 milions d'habitants que en són tributaris.

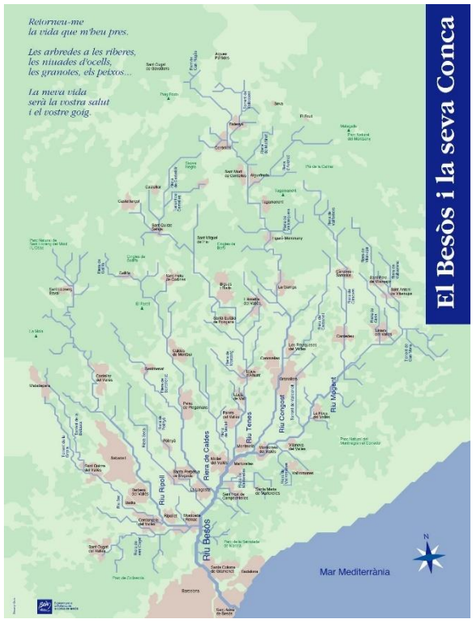


Figura 21. *Conca del Besòs*

L'aportació total en règim natural de la conca del Besòs és, segons la Directiva Marc de l'Aigua a Catalunya, de 674 hm³/any, inferior a la mitja catalana.

El Riu Ripoll es un curs fluvial que neix al sot del Galí, a ala serra de la serra de la Granera, a 640 metres sobre el nivell del mar i aboca aigües al riu Besòs, a Montcada i Reixac, a 35,5 metres sobre el nivell del mar. Al llarg dels 40 km del recorregut travessa diferents poblacions de la comarca del Vallès Occidental: Sant Llorenç Savall, Castellar del Vallès, Sabadell, Barberà del Vallès, Ripollet i Montcada i Reixac. Al llarg dels quaranta km del recorregut travessa diferents poblacions de la comarca del Vallès Occidental: Sant Llorenç Savall, Castellar del Vallès, Sabadell, Barberà del Vallès, Ripollet i Montcada i Reixac.

La longitud del curs principal del riu es de 39,2 Km. Les dades extretes a l'estació d'aforament de Sant Llorenç Savall i Moncada i Reixach indiquen que el cabal mig del riu es 0,42 m3/s. El riu Ripoll presenta un règim hidrològic típicament mediterrani amb cabals molt baixos durant l'estiu i episodis de crescudes sobtades en períodes de pluges intenses, el que provoca grans variacions en el cabal del riu.

6.3 Modelització hidràulica del Riu Ripoll

Per poder definir la erosió del riu s'ha realitzat un model amb HEC-RAS del riu Ripoll per determinar el calat i les velocitats per diferents avingudes necessàries pel càlcul de l'erosió

En total s'han generat 2 plans amb els següents objectius:

- Plan amb cabal MCO: Utilitzat per calcular la erosió a llarg termini en els punts de creuament.
- Plan amb cabal T500: Utilitzat per calcular la erosió transitòria

L'apèndix 1 recull la modelització del Riu Ripoll amb més detall i que es la base dels resultats que es mostren.

Els cabals per a diferents períodes de retorn s'han obtingut a través de les dades disponibles al visor de l'Agencia Catalana del Aigua. A continuació es mostren els valors dels cabals considerats en cadascun dels punts de creuament, juntament amb la secció de càlcul corresponent del model: Punt de creuament proper al inici del traçat:

- Cabal associat a la MCO: 114,00 m3/s.
- Cabal associat a l'avinguda de T500 anys: 911,20 m3/s.

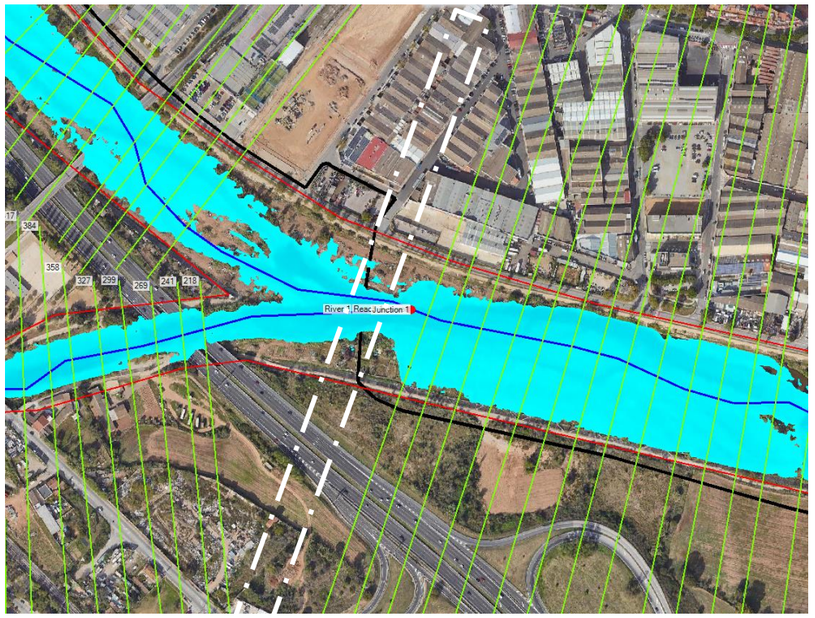


Figura 22. Secció de càlcul considerada en el creuament proper al inici del traçat (Secció: 2178).

Punt de creuament proper al dipòsit de Barberà del Vallés:

- Cabal associat a la MCO: 28,90 m3/s.
- Cabal associat a l'avinguda de T500 anys: 506,7 m3/s.

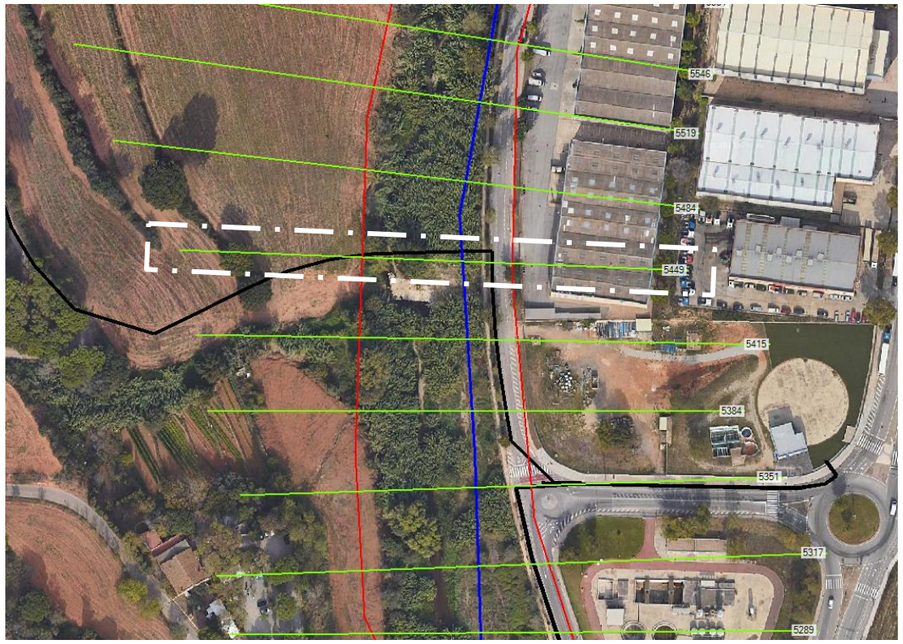


Figura 23. Secció de càlcul considerada en el creuament proper al dipòsit de Barberà del Vallés (Secció: 5449).

Els resultats obtinguts del model per les seccions d'estudi són els següents:

Taula 1. Resultats de la secció 2178.

Secció 2178	Cabal total (m^3/s)	Cota mín. llera (m)	Cota làmina d'aigua (m)	Calat (m)	Velocitat mitja (m/s)	Àrea màx. (m^2)	Rh (m)
MCO	114	53,82	55,60	1,78	1,31	87,24	0,82
Q500	911,2	53,82	57,54	3,72	2,75	331,66	2,48

Taula 2. Resultats de la secció 5449.

Secció 5449	Cabal total (m^3/s)	Cota mín. llera (m)	Cota làmina d'aigua (m)	Calat (m)	Velocitat mitja (m/s)	Àrea màx. (m^2)	Rh (m)
MCO	28,90	85,05	85,97	0,92	2,01	14,34	0,41
Q500	506,7	85,05	88,15	3,1	2.99	169.01	1,91

A continuació s'inclouen, els diferents perfils longitudinals de cadascun dels eixos del model, tant per T500 com per MCO.

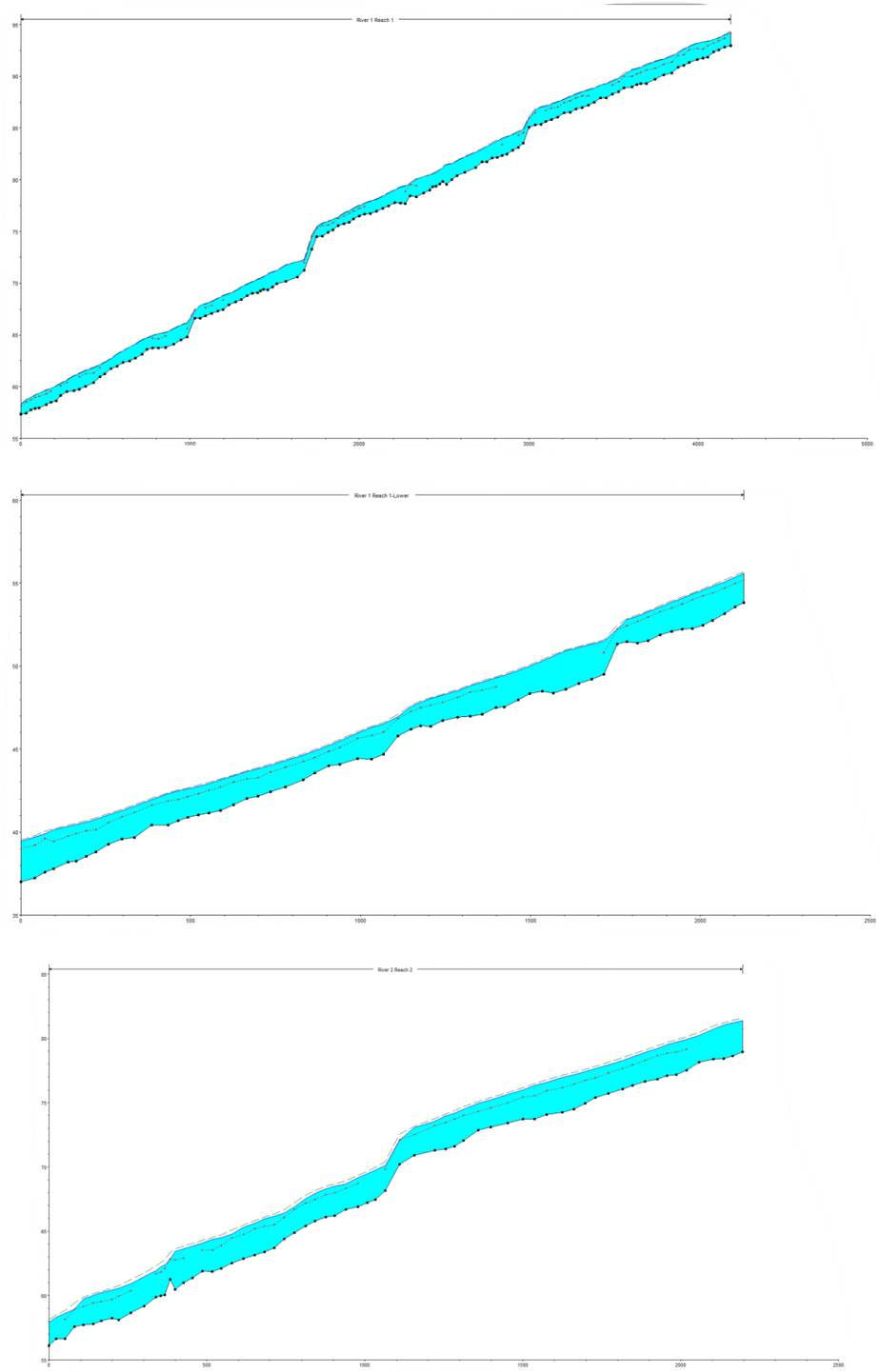


***Figura 24.** Perfil longitudinal: simulació MCO*

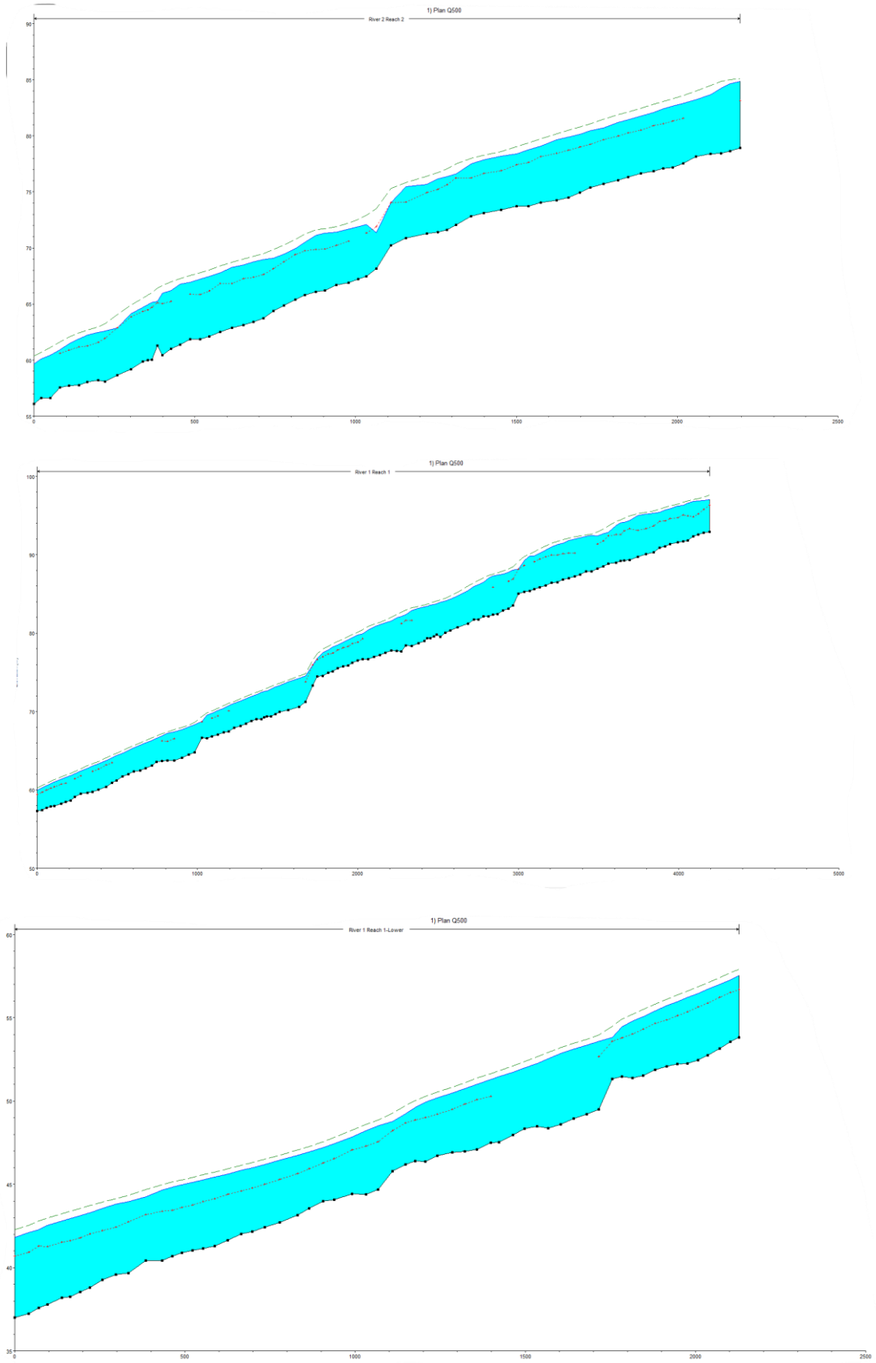


Figura 25. Perfils longitudinal: simulació T=500 anys.

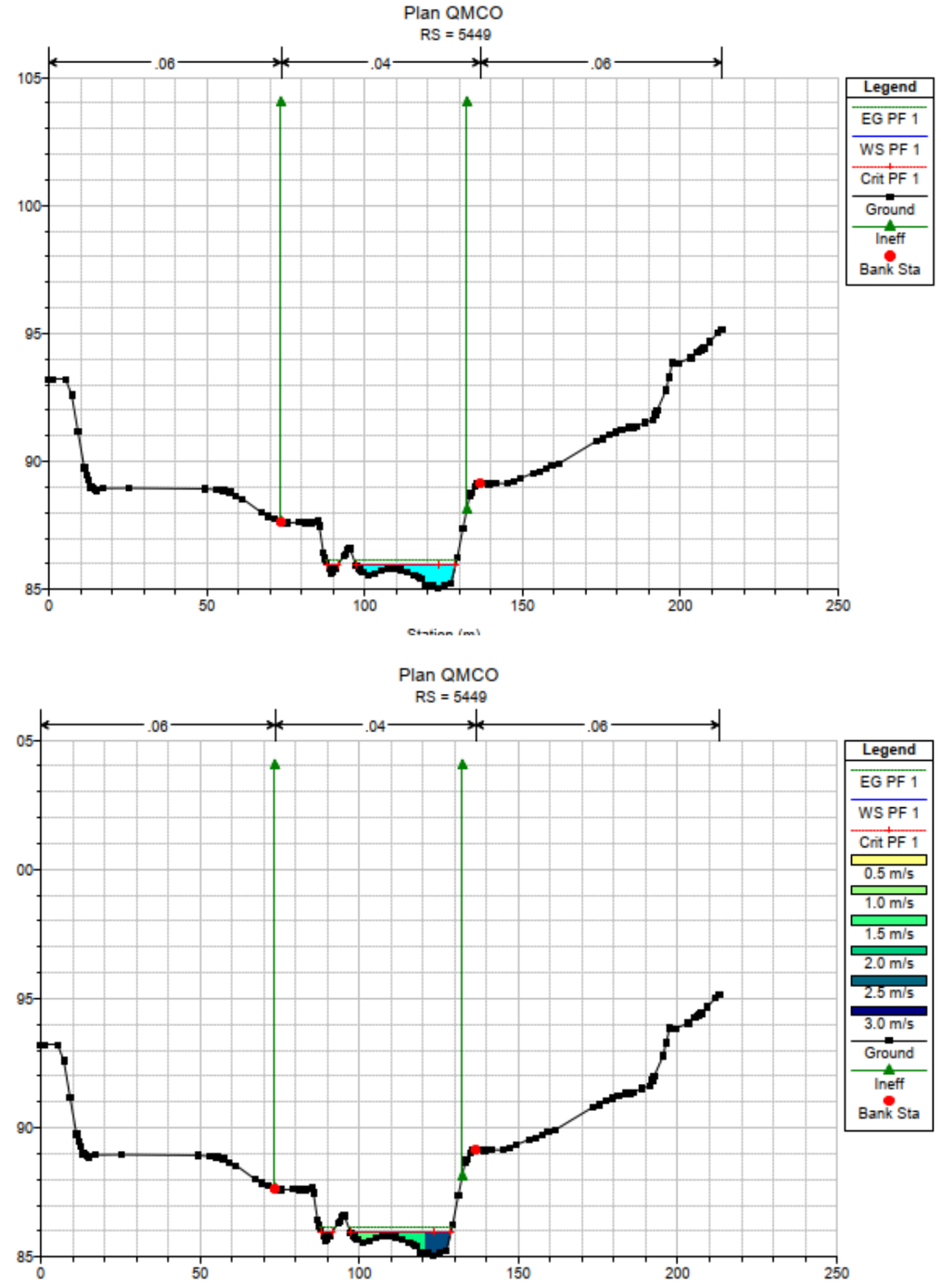
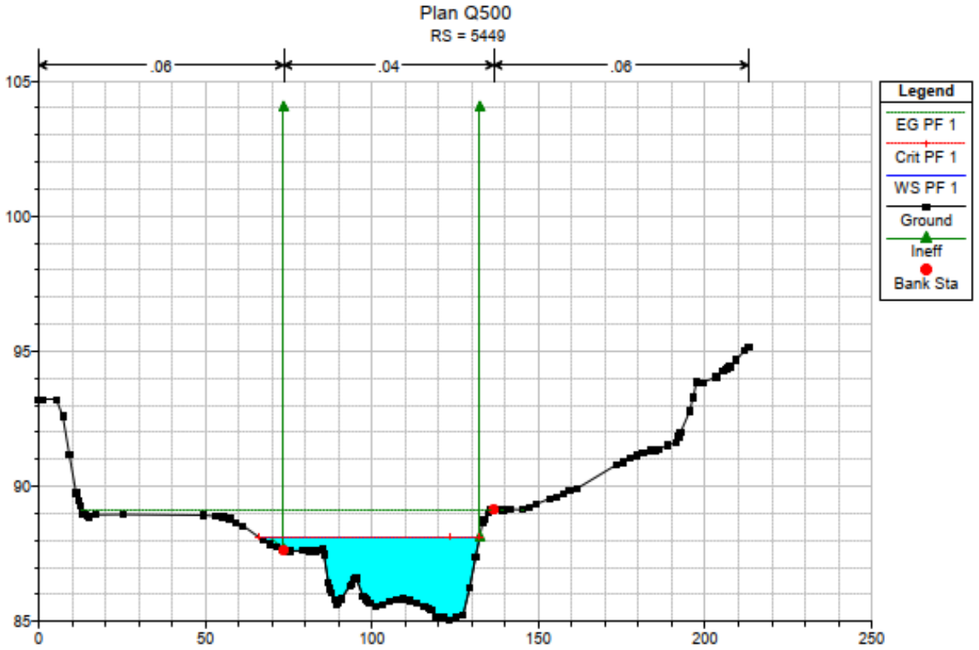
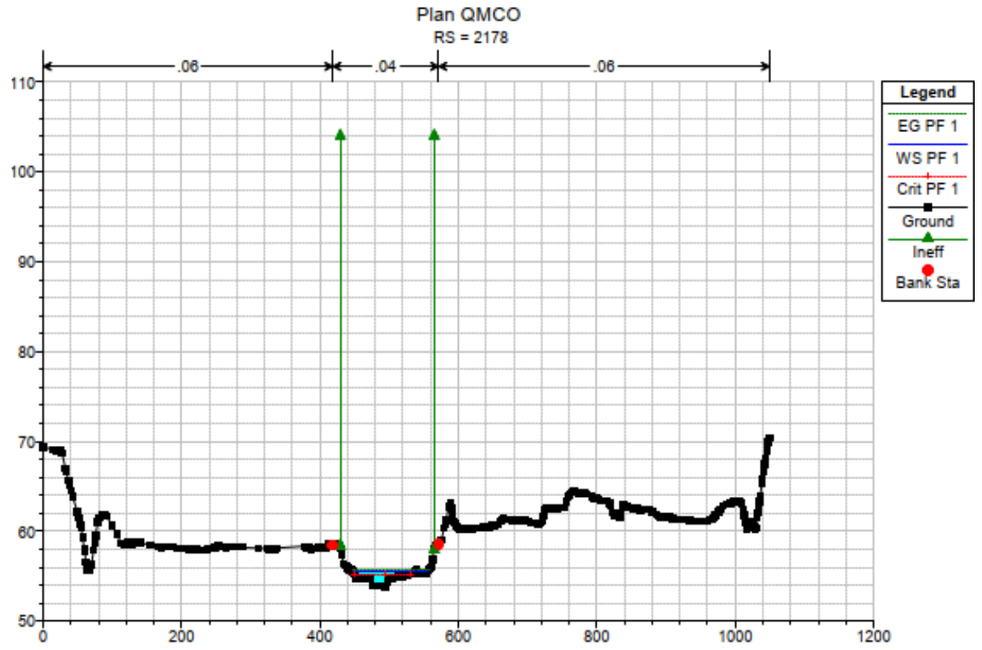


Figura 26. Secció transversal 5449 MCO.

Per últim, es mostren les seccions transversals de les seccions de càlcul 2178 i 5449 per als períodes de retorn considerats en l'estudi d'erosió:





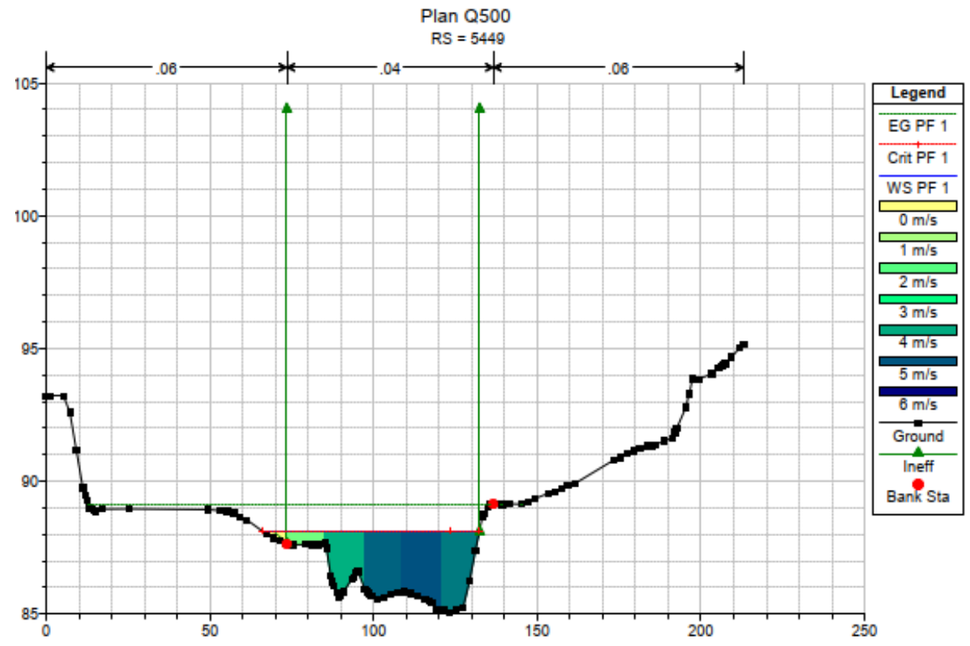


Figura 27. Secció transversal 5449 T=500.

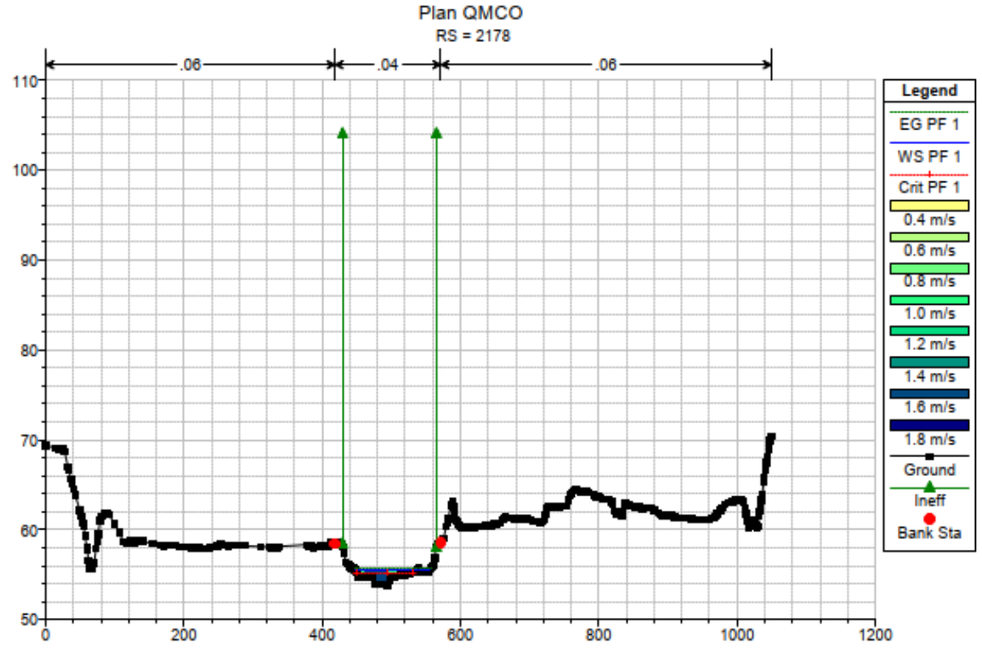


Figura 28. Secció transversal 2178 MCO.

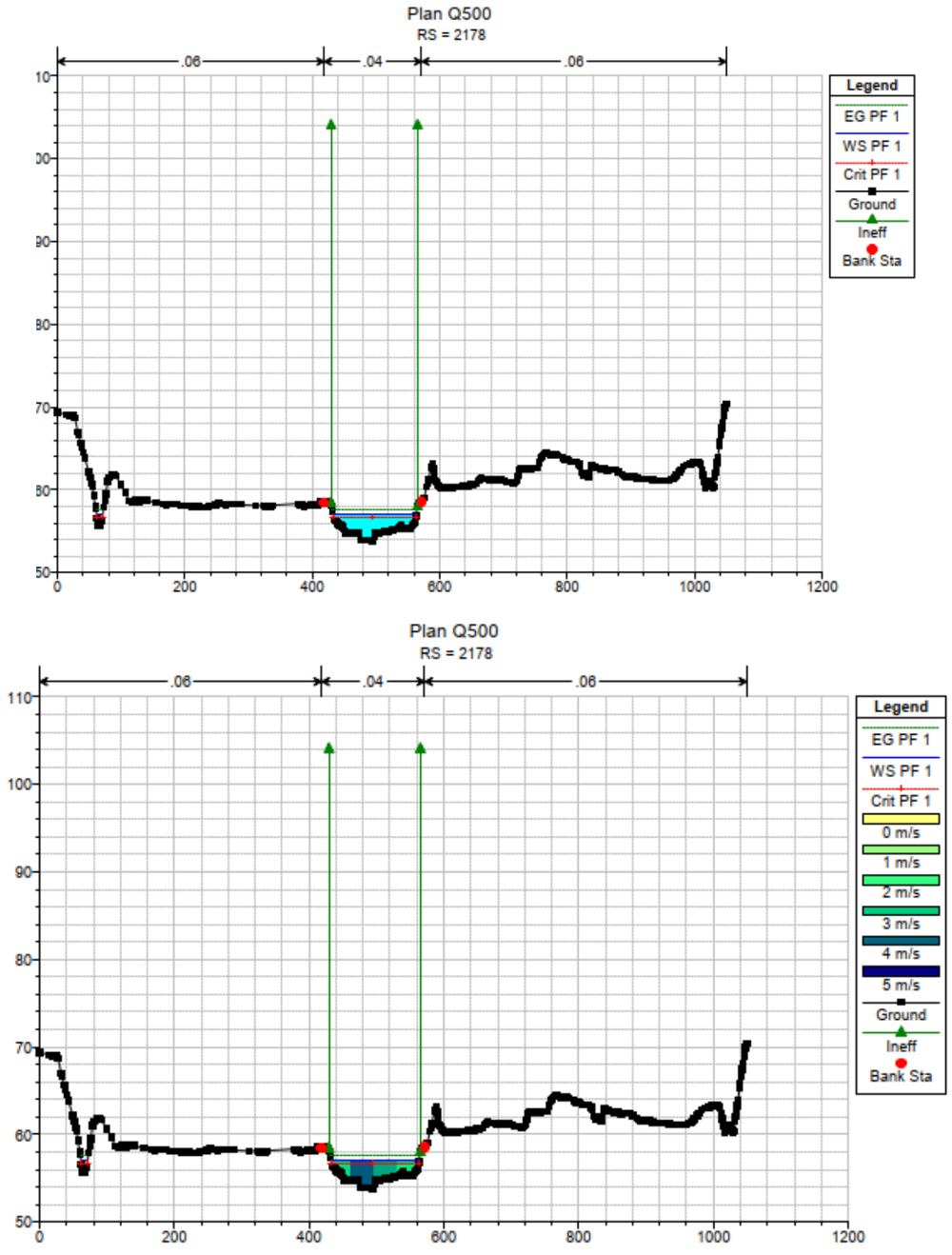


Figura 29. Secció transversal 2178 T=500.

6.4 Caracterització del sòl al·luvial

6.4.1 Campanya de reconeixements de camp

Per caracteritzar el material de les lleres de cara a realitzar el càlcul de l'erosió s'han dut a terme una campanya geotècnia on s'ha caracteritzat la granulometria de les mostres estretes.

La metodologia emprada per a la caracterització de la granulometria de la llera del riu Ripoll ha estat el mostreig volumètric. El concepte de mostreig volumètric consisteix en l'extracció de cert volum de material subsuperficial de la llera del riu.

El paràmetre clau per al càlcul de l'erosió és el D_{50}. S'entén per D_{50} la mida de gra per la qual el 50% de la mostra es inferior a ella. D'altra banda, el Diàmetre mig Dm es correspon amb la mitjana aritmètica de totes les partícules de la mostra.

Quan el llit al·luvial està constituït per una barreja de diferents mides, cada mida té una tensió crítica diferent, i la corrent pot, en teoria, moure els materials fins més fàcilment que els grollers. Aquest procés implica que, amb el temps, es produeixi un desplaçament de partícules més fines, de forma que a la superfície acabi quedant-hi una major abundància de material groller.

Això succeeix a la pràctica a les lleres dels rius on s'observa que a la capa superficial el gra és més gruixut que a les capes inferiors. Aquest estat es coneix amb el nom d'acuirassament del riu.

El sòl al·luvial del riu Ripoll ha estat mostrejat a diferents reconeixements executats dins de la campanya geotècnia del projecte. A continuació es mostra una taula resum amb les mostres extretes i les seves característiques:

Taula 3. Taula resum de les mostres i la seva situació.

Mostra	Situació	Fondària	USCS
M-1	S-01	1,00	SM
M-2	S-02	1,00	SP-SM
M-8	C-02	2,00	GM
M-9	C-3	2,00	GP

Hi ha dues mostres que corresponen als sondejos realitzats en la zona de la llera del riu mentre que les altres dues mostres corresponen de cales en l'entorn del riu. En la llera del riu s'han realitzat dos sondejos ja que a més de la granulometria s'han realitzat assajos relatius a la permeabilitat pels quals es necessària la execució d'un sondeig.

En la campanya de camp s'han realitzat altres cales però que el material obtingut en la seva major part son reblerts antròpics o materials que no presenten similituds amb els sondejos realitzats a la pròpia llera i per tant no es consideren a nivell de la granulometria.

6.4.2 Característiques granulomètriques.

Els resultats de les granulometries es mostren a la taula a continuació:

Taula 4. Taula dels resultats granulomètrics obtinguts.

Garbell (mm)	% passa pel garbell			
	S-1 MI 1,0 m (m-1)	S-2 MI 1,0 m (m-2)	C-2 MR 2,0 m (m-8)	C-3 MR 2,0 m (m-9)
#150 UNE	100	100	100	100
#100 UNE	100	100	100	100
#80 UNE	100	100	100	100
#63 UNE	100	100	94,5	100
#50 UNE	100	100	94,5	100
#40 UNE	100	100	94,5	93,1
#25 UNE	95,5	92,6	90,1	82,4
#20 UNE	89,8	89	83,6	77,7
#12,5 UNE	85,2	80,4	73,3	65,3
#10 UNE	83,6	74,3	69,3	60,8
#6,3 UNE	77,7	64,8	57,9	50,2
#5 UNE	74,9	61,1	54,9	46,2
#2 UNE	59,3	40,7	34,6	35,6
#1,25 UNE	55,4	35,5	27,8	31,7
#0,4 UNE	41,1	15,6	8,6	13,8
#0,15 UNE	27,1	7,3	4,5	3,9
#0,08 UNE	19,5	5,5	3,6	2,6

Els resultats obtinguts del diàmetre de les mostres s'exposa a la següent taula:

Taula 5. Resultats de les mostres.

	Mostra	S-1 MI 1,0 m (m-1)	S-2 MI 1,0 m (m-2)	C-2 MR 2,0 m (m-8)	C-3 MR 2,0 m (m-9)		Mitjana aritmètica (4 mostres)
Paràmetre	D16 (mm)	0,1	0,4	0,6	0,5		0,4
	D50 (mm)	0,8	3,0	4,0	6,3		3,5
	D84 (mm)	10,0	10,5	11,0	11,8		10,8
	Desviació típica granulometria (σg)	11,2	5,1	4,3	5,1		6,4
	Diàmetre mig (Dm)	4,9	5,9	9,3	9,9		7,5

El paràmetre σ_g s'anomena desviació típica granulomètrica i s'expressa de la següent manera:

$$\sigma_g = \sqrt{D_{84}/D_{16}}$$

És una mesura de dispersió de la mostra. Quan la desviació típica granulomètrica és tal que $\sigma_g > 3$ es diu que la desviació típica granulomètrica és estesa o que el material està ben graduat. En aquest cas els resultats confirmen que el material de la llera està ben graduat.

A continuació es mostra una gràfica amb les corbes granulomètriques:

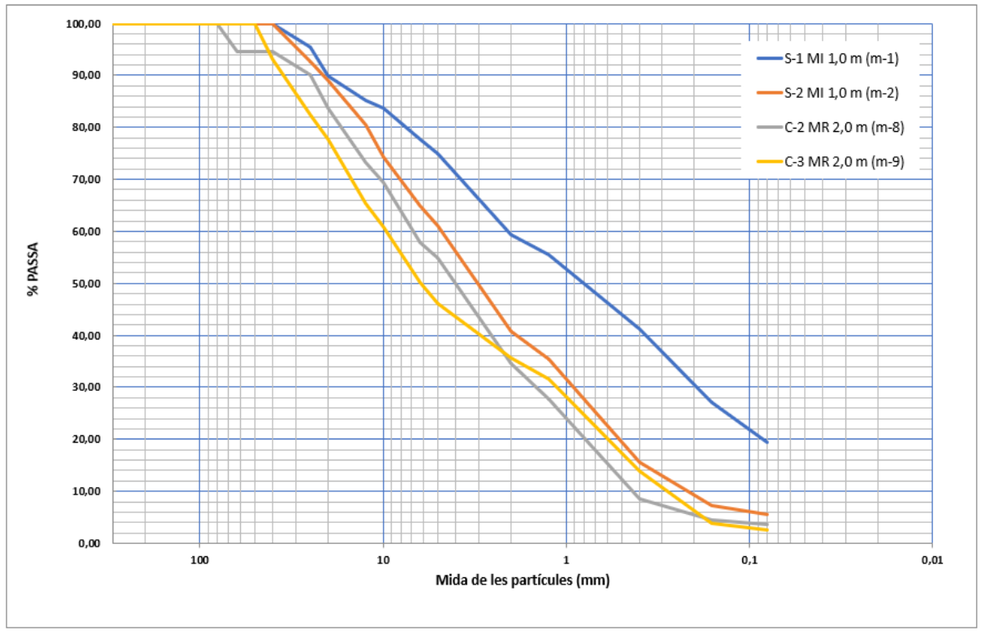


Figura 30. Granulometria del sondejos i cales.

Les dues mostres de sondeig (m-1 i m-2) presenten granulometries més fines, amb classificacions de sorra SM i SP-SM, mentre que les mostres de cala m-3 i m-9 presenten classificacions de grava GM i GP. A banda de la naturalesa intrínseca dels sòls, la granulometria més fina obtinguda a les mostres de sondeig ha pogut estar influenciada per la mida del mostrejador de sondeig i la quantitat de mostra extreta al sondeig. És per això que es fan servir mostres representatives MR agafades en calicata per tal de completar la caracterització granulomètrica de l'al·luvial del riu.

De cara a la granulometria a emprar en el càlcul de la erosió, degut a l'efecte esmentat que es produeix en les mostres estretes d'un sondeig es consideren més realistes els valor mitjos obtinguts amb les granulometries obtingudes de les cales que tot i que en algun cas no estan en la mateixa estan en zones properes amb la mateixa naturalesa que l'al·luvial de la llera.

6.5 Càlculs d'erosió

D'acord amb la Guia Tècnica "Recomanacions Tècniques per al disseny d'infraestructures que interfereixen amb l'espai fluvial" (Document tècnic_4 publicat per l'Agència Catalana de l'Aigua (ACA) el juny de 2006), la soscavació o erosió és un dels aspectes clau a tenir en compte en el disseny de creuaments de lleres de riu per part d'infraestructures enterrades. Concretament, l'ACA estipula les següents prescripcions:

- La clau o punt més alt de la canonada haurà d'estar per sota de la cota d'erosió general transitòria corresponent a una avinguda de període de retorn de 500 anys. A aquesta erosió caldrà sumar-hi les eventuals erosions locals.
- En cas que es vulgui disminuir el risc de trencament de la canonada protegint-la mitjançant blocs d'escullera o formigó, es recomana que aquests materials quedin enterrats per sota del llit natural del riu, a una profunditat igual o superior a l'afectada per l'erosió general transitòria i per l'erosió general a llarg termini associada al període de retorn de 500 anys.

L'erosió a una llera és el descens del fons com a conseqüència de fenòmens de dinàmica fluvial natural o suscitats per l'home. És, doncs, la resposta de la llera a la falta d'equilibri entre les variables existents.

D'acord amb aquestes recomanacions, s'estableix que l'objectiu del càlcul de l'erosió és definir la cota màxima de la conducció i proteccions associades en els trams locals on s'afecta de manera important el riu Ripoll, per tal de garantir, d'una banda, que la canonada no es veurà afectada pels fenòmens d'erosió i, d'altra banda, que la nova infraestructura no afectarà el riu.

L'Apèndix 3 recull els càlculs de l'estudi d'erosió segons la metodologia i formulació plantejada en els apartats següents.

6.5.1 Metodologia

El càlcul de l'erosió fluvial s'ha de considerar, més que com un càlcul exacte, com una estimació, atesa la complexitat dels diferents processos que hi intervenen. La metodologia habitual tracta per separat cada causa de l'erosió, de manera que s'avaluen de forma individualitzada per a després combinar aquestes erosions parcials. Així, el que s'obté és una erosió potencial, que s'entén com aquella erosió que podria desenvolupar-se en un al·luvial indefinidament profund. El resultat queda de la banda de la seguretat, ja que els mètodes de càlcul individuals apliquen criteris que resulten en erosions màximes.

L'erosió general total en el cas d'estudi es composa de dos sumands:

Erosió general a llarg termini: també anomenada erosió evolutiva. Es tracta, ja no del descens de la cota de tot el conjunt, sinó que només fa referència al descens de la cota de fons del riu. Cal utilitzar els cabals dominants, freqüents (per a períodes de retorn entre 0,5 i 5 anys) ja que aquest procés no s'associa a avingudes extraordinàries sinó que és fruit de l'acció continuada del riu. En aquest cas s'ha utilitzat la Màxima crescuda Ordinària.

Aquest cabal dominant correspon al que dona lloc a la geometria hidràulica que s'estudia. La llera principal conté les aigües la major part del temps a excepció de les avingudes, és a dir, és el cabal que omple la llera principal.

Erosió general transitòria: és la causada per les avingudes. Es tracta de la fluctuació del fons del riu que té lloc en les crescudes: el fons baixa durant la fase creixent de l'avinguda i torna a pujar en decréixer l'avinguda. És una amenaça important per a la canonada i, a més, sovint passa desapercebuda ja que la cota del fons després de l'avinguda pot ser la mateixa que abans de l'avinguda.

En aquest cas sí que cal utilitzar els cabals d'avinguda. En concret, les especificacions de l'ACA indiquen que es facin els càlculs per a període de retorn 500 anys.

En el present projecte la traça de la conducció respon al cas d'un creuament del riu, passant transversalment la totalitat del curs, és a dir, tant per sota de la plana d'inundació com per sota del canal principal. El creuament del canal principal és el cas pèssim ja que és on es donen majors velocitats i calats del flux i on l'erosió serà màxima.

6.5.2 Formulació per al càlcul de l'erosió

En el cas d'aquesta obra, s'estudia l'erosió per controlar una possible pèrdua en el recobriment de la canonada i comprovar que no s'afecta al curs del riu.

Existeix una formulació empírica vària sobre el càlcul dels diversos tipus d'erosió. D'entre la formulació que existeix per a l'erosió general s'ha escollit la recollida als següents apartats:

- Erosió general a llarg termini:

Per a la determinació de l'erosió general a llarg termini es fa servir l'expressió de Lacey que permet obtenir el calat mig y_m amb el cabal i el diàmetre mig del sòl:

$$y_m(m) = 0{,}128 * \frac{Q^{\frac{1}{3}}(m^3/s)}{D_m^{\frac{1}{6}}(m)}$$

On,

Q: cabal (m^3/s)
Dm: diàmetre mig (m)
Y_m: calat mig (m)

El calat màxim (y') s'obté a partir del calat mig (y_m) amb les següents expressions que depenen si es tracta de un tram recte o en corba:

- Tram riu recte: $y' = 1{,}25 \cdot y_m$

- Tram riu en corba: $y' = 2{,}0 \cdot y_m$

Finalment, l'erosió general a llarg (E) es determina com la diferència entre el calat màxim (y') i el calat inicial (y_a):

$E = y' - y_a$

- Erosió general transitòria:

Els càlculs utilitzats són una representació dels fenòmens físics que succeeixen en realitat. Així doncs, l'erosió general es calcula a partir d'un criteri de principi de moviment de fons granular sota un corrent permanent, i a partir de la hipòtesi d'aigües clares, és a dir, que no hi ha transport de sediment.

El mètode de la velocitat crítica i aigua clara, vàlid per a rius de grava, considera que en el moment de màxima erosió, que és en el pic de l'avinguda, el fons es troba en condició d'inici de moviment i no hi ha transport de sediment (condicions de velocitat crítica i aigua clara, respectivament). Malgrat que la hipòtesi de què el riu no transporta sediment («aigua clara») pot ser falsa en el moment de màxim cabal, deixa de la banda de la seguretat i equival a suposar que no hi ha material sòlid que vingui d'aigües amunt i pugui substituir el que s'erosiona.

Utilitzant el valor de la tensió crítica adimensional 0,056 juntament amb l'expressió de la tensió tangencial $\tau = \gamma * R_h * I$, la fórmula de Manning per al pendent motriu i la fórmula de Strickler per al coeficient de rugositat de Manning, el criteri de Shields d'inici de moviment desemboca en la fórmula :

$$v_{crítica} = 21 * \left(\frac{R_h}{D_{50}}\right)^{\frac{1}{6}} * \sqrt{0{,}056 * \frac{\gamma_s - \gamma}{\gamma} * D_m}$$

El fons de llera es rebaixa guanyant àrea de flux fins que la velocitat mitja de la secció és igual a $v_{crítica}$. Amb el cabal i la velocitat $v_{crítica}$ s'obté l'àrea de la secció erosionada. Si definim el factor d'erosió δ com el coeficient entre l'àrea erosionada i l'àrea inicial (o entre les velocitats corresponents), la relació més senzilla per obtenir el calat erosionat és fer-lo proporcional al coeficient δ i al calat original (per subseccions).

6.6 Resultats del càlcul de l'erosió en el creuament proper a l'inici del traçat

6.6.1 Erosió general a llarg termini

Erosió general a llarg termini

Fórmula de Lacey:

$$y_m(m) = 0{,}128 * \frac{Q^{\frac{1}{3}}(m^3/s)}{D_m^{\frac{1}{6}}(m)}$$

Cabal	Q	114	m3/s
Diàmetre mig	Dm	0,0049	m
Calat mig	ym	1,51	m
Calat inicial	ya	1,78	m
Tipus de tram	Tram	C	
Calat màxim	y'	3,01	m
Erosió a llarg termini	**e**	**1,23**	**m**

Figura 31. Erosió a llarg termini.

6.6.2 Erosió general transitòria

Erosió general transitòria

Fórmula:

$$v_{crítica} = 21 * \left(\frac{R_h}{D_{50}}\right)^{\frac{1}{6}} * \sqrt{0{,}056 * \frac{\gamma_s - \gamma}{\gamma} * D_m}$$

Cabal	Q=	911,2	m^3/s
Pes específic sòlid	P_s =	2,65	t/m^3
Pes específic aigua	P_w =	1	t/m^3
Radi hidràulic	R_h =	2,48	
Diàmetre mig	D_m =	0,0049	m
Diàmetre D_{50}	D_{50} =	0,0008	m
Velocitat crítica	$v_{crítica}$ =	1,71	m/s
Àrea erosionada	$A_{erosionada}$ =	534,03	m^2
Àrea inicial	$A_{inicial}$ =	331,66	m^2
Calat inicial	$y_{inicial}$ =	3,72	m
Calat erosionat	$y_{erosionat}$	5,99	m
Erosió	**$e_{transitòria}$ =**	**2,27**	**m**

Figura 32. Erosió transitòria.

6.7 Resultats de càlcul de l'erosió en el proper al dipòsit de Barberà del Vallés

6.7.1 Erosió general a llarg termini

1. Erosió general a llarg termini

Fórmula de Lacey:

$$y_m(m) = 0{,}128 * \frac{Q^{\frac{1}{3}}(m^3/s)}{D_m^{\frac{1}{6}}(m)}$$

Cabal	Q	28,9	m3/s
Diàmetre mig	Dm	0,0074	m
Calat mig	ym	0,89	m
Calat inicial	ya	0,92	m
Tipus de tram	Tram	C	
Calat màxim	y'	1,78	m
Erosió a llarg termini	**e**	**0,86**	**m**

C=corba; R=recte

Figura 33. Erosió a llarg termini.

6.7.2 Erosió general transitòria

2. Erosió general transitòria

Fórmula:

$$v_{crítica} = 21 * \left(\frac{R_h}{D_{50}}\right)^{\frac{1}{6}} * \sqrt{0{,}056 * \frac{\gamma_s - \gamma}{\gamma} * D_m}$$

Cabal	Q=	506,7	m^3/s
Pes específic sòlid	P_s =	2,65	t/m^3
Pes específic aigua	P_w =	1	t/m^3
Radi hidràulic	R_h =	1,91	
Diàmetre mig	D_m =	0,0074	m
Diàmetre D_{50}	D_{50} =	0,0035	m
Velocitat crítica	$v_{crítica}$ =	1,57	m/s
Àrea erosionada	$A_{erosionada}$ =	322,79	m^2
Àrea inicial	$A_{inicial}$ =	169,00	m^2
Calat inicial	$y_{inicial}$ =	3,10	m
Calat erosionat	$y_{erosionat}$	5,92	m
Erosió	**$e_{transitòria}$ =**	**2,82**	**m**

Figura 34. Erosió transitòria.

7 Conclusions

Durant el present document s'han exposat tots els procediments que s'han portat a terme per tal de determinar la profunditat d'erosió a llarg termini i transitòria del Riu Ripoll als punts de creuament del projecte.

Derivats del resultat de càlcul en el primer punt de creuament del traçat (el creuament que es troba més aigües avall) s'ha determinat una erosió màxima de 2,27 metres. Es realitza un traçat fixa que la canonada d'abastament haurà d'estar a una profunditat mínima de 2,5 metres mentre travessi la llera del Riu Ripoll.

En aquest cas al ser una llera molt amplia la granulometria de l'al·luvial produeix menys variabilitat en l'erosió transitòria. En aquest cas per agafar una hipòtesis conservadora s'ha agafat a nivell de càlcul la granulometria del sondeig S-1 tot i que donat a l'efecte de l'execució del propi sondeig serà més fina que la granulometria real.

En el segon creuament la secció on es creua es més estreta, i degut a la metodologia de càlcul la granulometria té més influencia en el mètode de càlcul. Per tant en aquest creuament , s'han realitzat els càlculs d'erosió en aquest punt amb la granulometria mitja (*Taula 6*), per considerar l'efecte de l'execució del sondeig per agafar la mostra..

Tenint en compte aquestes consideracions, l'erosió transitòria obtinguda es de 2,82 metres. Es realitza un traçat amb la canonada d'abastament situada a una profunditat mínima de 3 metres per sota de la profunditat de càlcul de l'erosió transitòria.

Aquest valor es considera conservador per dos motius:

- En primer lloc s'està considerant una granulometria mitja que també es veu influenciada per la pròpia granulometria més fina de les mostres obtingudes en un sondeig.
- En segon lloc pel propi càlcul, que només considera que es produeix un efecte d'erosió sense aportació de material des d'aigües amunt. El fet que existeixi un assut aigües produirà una retenció de sediment transportat pel riu que farà que l'erosió final sigui menor que la de càlcul.

Apèndix I
Model Hidràulic

Índex

1 Introducció 3

2 Objecte d'estudi 3

3 Descripció del tram de riu a estudiar 3

4 Desenvolupament de l'estudi 4

5 Creació del model base 4

5.1 Dades de partida 4
5.2 Generació de la geometria 4
5.2.1 Àrees inefectives de flux 6
5.2.2 Coeficients de rugositat 7
5.2.3 Coeficients de contracció i expansió 7
5.2.4 Seccions transversals de la geometria 7
5.3 Definició de la hidràulica del model 7
5.3.1 Cabals a considerar 7
5.3.2 Condicions de contorn 7
5.4 Simulació del model 8
5.5 Recull de resultats de les simulacions 8

1 Introducció

AYESA està redactant per encàrrec d'ATL "PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ – RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ" té com a finalitat la renovació d'un tram de 6.800 m de la xarxa d'abastament d'ATL als municipis de Ripollet i Barberà del Vallès.

Al llarg del traçat de la nova canonada es produeixen afeccions territorials com al Riu Ripoll.

El Riu Ripoll és un curs fluvial que neix al sot del Galí, a la serra de Granera. Des del seu naixement recorre de nord a sud la comarca del Vallès Occidental.

Finalment desemboca al Riu Besòs, en els límits del terme municipal de Montcada i Reixac, enmig d'un entorn fortament urbanitzat, entre zones industrials i amb alta presencia d'infraestructures viàries.

Es tracta d'un riu amb caràcter marcadament estacionari, en el que a l'estiu hi circula poca aigua, mentre que en episodis de pluja intensa sovint té crescudes de cabal.

En aquest darrer tram del Riu Ripoll hi destaca la presència de infraestructures de comunicació com l'Autopista del Mediterrani, els vials dels polígons industrials, els FFCC Martorell Central – Granollers Centre. Tots ells interfereixen en el curs fluvial mitjançant viaductes que creuen el riu a diferents cotes.

2 Objecte d'estudi

L'objecte de l'estudi hidràulic és la caracterització hidràulica de dos trams del riu Ripoll per a realitzar el càlcul d'erosió de la llera i determinar la cota mínima d'instal·lació de la canonada a projectar en el present projecte.

L'estudi hidràulic és realitza d'un tram a prop del final del riu Ripoll de sis quilòmetres de longitud, des del Carrer Llobregat fins una passarel·la que hi ha aigües amunt, a prop de la Llacuna del Molí Vermell. El primer tram d'estudi forma part del terme municipal de Ripollet, i el segon tram, aigües amunt de l'anterior, pertany a Barberà del Vallès.

Consta d'una sèrie de simulacions del comportament del flux del riu, per a avingudes de període de retorn de 3 i de 500 anys, efectuades mitjançant models en HEC-RAS v6.4.1.

3 Descripció del tram de riu a estudiar

La nova canonada proposta creua el Riu Ripoll en dos punts. El primer d'aquest correspon al traçat de la canonada principal de DN600, prop del inici de la mateixa, mentre que el segon correspon a la canonada de derivació de DN200 encarregada de portar les aigües fins al Dipòsit de Barberà del Vallés:

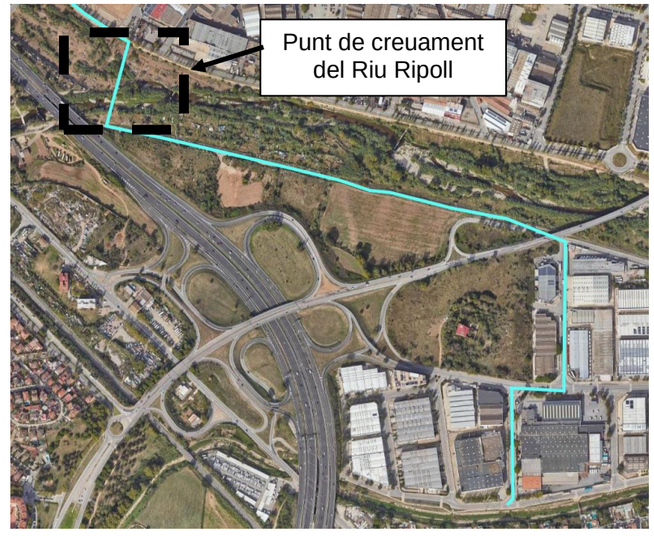


Figura 1. Creuament del Riu Ripoll proper al inici del traçat.

El primer punt de creuament correspon a una zona bastant ample del riu Ripoll (uns 133 metres), situada just després de la unió entre aquest i el Riu Sec amb una presencia moderada de vegetació. En aquest punt es planteja travessar la llera perpendicularment amb un seccionament de tub abans i després del creuament de la mateixa.

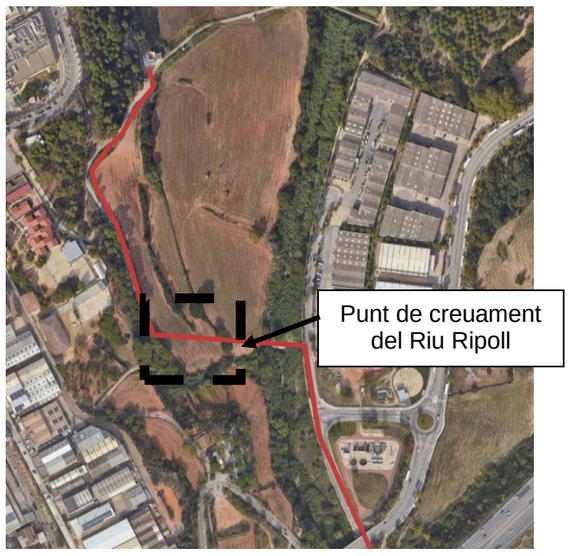


Figura 2. Creuament del Riu Ripoll proper al Dipòsit de Barberà del Vallés.

El segon creuament es portarà a terme per tal de poder connectar la canonada al dipòsit de Barberá del Vallés. En aquest cas, la zona es molt mes estreta que en el primer amb una gran abundància de vegetació. A més a més, proper al punt de creuament s'identifica la presencia d'un azud.

4 Desenvolupament de l'estudi

Per tal d'acomplir l'objecte del present estudi, es requereix el desenvolupament d'una sèrie de simulacions i processos que permetin assolit l'objectiu final, els quals s'estructuren de la següent manera:

- **Creació d'un model base:** A partir de les dades disponibles i la informació recopilada, la creació del model servirà de base per el desenvolupament de l'estudi.

  Aquest model serà objecte de les feines de generació de geometria, definició de condicions de contorn i validació per a obtenir finalment un model hidràulic del tram de riu a estudiar que sigui estable i fiable pel que fa a funcionament i resultats.

  Per a la creació i validació del model base es prendrà com a referencia els resultats tant de la Planificació dels Espais Fluvials com a models i simulacions existents.

Tot el conjunt de simulacions esmentades es realitzaran mitjançant models de règim gradualment variat HEC – RAS v6.4.1.

5 Creació del model base

Es composa un model hidràulic a partir de les dades disponibles i servirà de referencia per al desenvolupament de les simulacions que composen el present estudi.

5.1 Dades de partida

Per a la creació del model es parteix d'una sèrie de informacions cartogràfiques, geomètriques, hidràuliques i modelitzacions que seguidament es relacionen:

- MDT pas de malla 2x2, fulls 288119, 288120, 288121, 289119, 289120 i 289121 en coordenades ETRS89, cedits per l'Institut Cartogràfic de Catalunya.

- Geometries de les estructures: de la passarel·la sobre la C-58 Cerdanyola del Vallès i el viaducte sobre la C-58 i sobre el Riu Ripoll. Extretes del visor de la generalitat, estructures xarxa de carreteres de la Generalitat,

- Dades dels actuals cursos d'aigua a la conca del Besòs, del visor de Consulta de Dades de l'Aigua i el Medi.

5.2 Generació de la geometria

La composició d'una geometria d'un model en HEC-RAS s'efectua mitjançant la definició de seccions transversals al flux. Aquestes seccions transversals s'obtenen prenent com a base la informació cartogràfica del terreny.

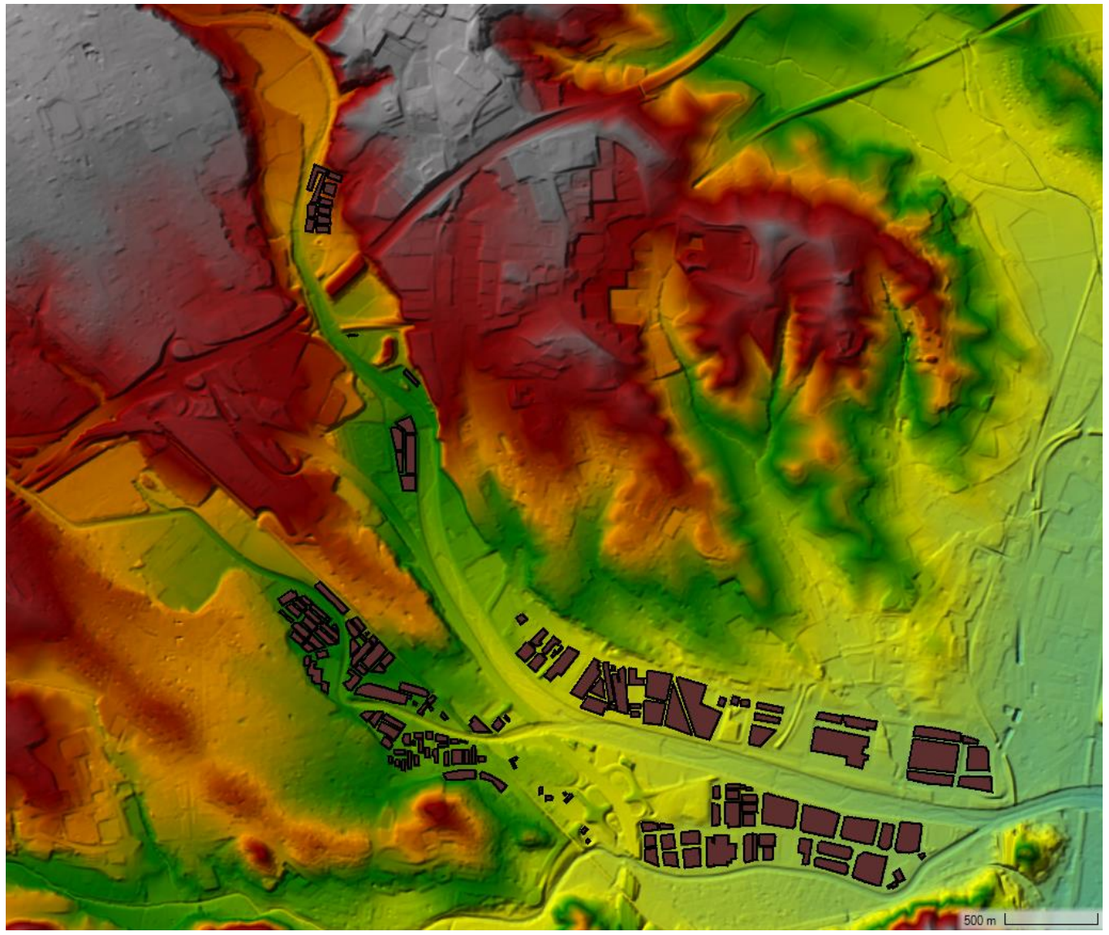


Figura 3. Imatge del MDT.

Tot seguit es determina el curs del riu Ripoll a modelitzar. La incorporació de cabals de la Riera es tindrà en compte en la definició hidràulica del model a desenvolupar.

Per a traçar l'eix del curs fluvial a modelar s'ha pres com a referència el traçat corresponent a la tramificació de cabals del Visor de l'ACA, resultat l'eix que es pot observar en la següent imatge.

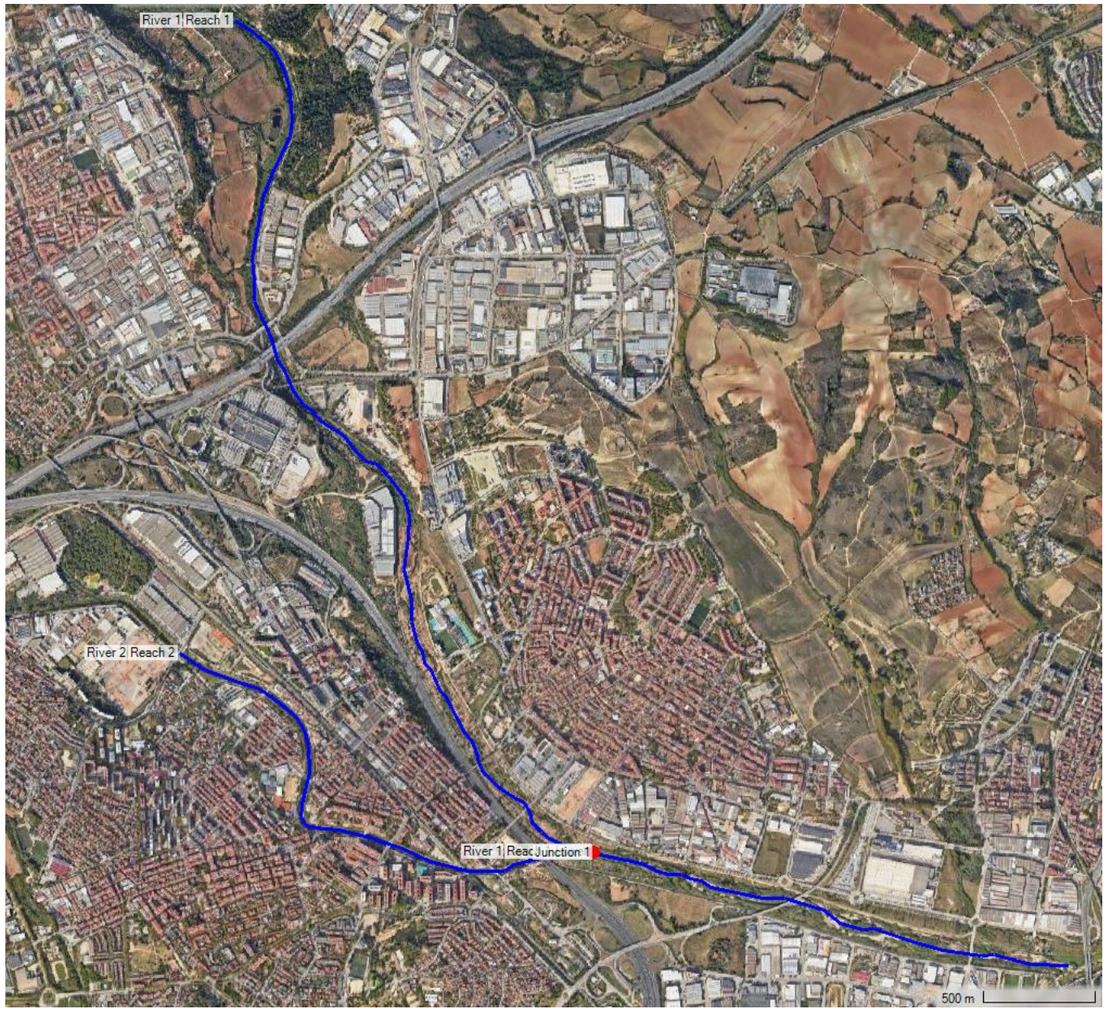


Figura 4. Eix del tram del riu Ripoll a estudiar amb la unió del Riu Sec.

Després es procedeix a la determinació i ubicació de les seccions transversals que conformaran la geometria del model.

L'objecte de la implementació de les seccions es el de caracteritzar correctament el terreny de l'àmbit d'estudi i les seves singularitats.



Figura 5. Seccions plantejades per a la definició de la geometria del model.

El primer tram de riu queda definit per zones agrícoles i boscoses, entre les seccions 6642 fins a la 5834, on la llera del riu també té abundant vegetació. A continuació, entre les seccions 5800 i 5201 es defineix el següent tram de riu que te el seu curs entre zones agrícoles i zones industrial, però manté la vegetació dins el curs. Seguidament , entre les seccions 5167 i 4864 es defineixen les estructures viàries i ferroviàries, el pont de l'Av. del Castell de Barberà, el pont de l'autopista AP-7 i el pont ferroviari de la R8, Martorell – Central – Granollers Centre. En aquest tram, el riu per vegetació dins el curs i hi comença a haver terres de cultiu a les lleres.

El riu segueix el seu curs per una zona industrial on també hi ha cultius a la seva llera, entre les seccions 4827 i 2448. En aquest tram també es defineixen el pont de la Ctra. de l'Estació que actualment és un pont per vianants, i el pont del Carrer Tarragona. El el següent tram d'estudi del riu , s'incorpora el curs del Riu Sec, que té el seu recorregut previ entre les seccions 2411 i 218, del Reach 2, tot per zona urbana.

Finalment, l'últim tram d'estudi, entre les seccions 2178 i 47 del Reach 1, recorre entre zona industrial i la llera manté una certa vegetació. .

També s'ha procedit a la definició de les alineacions dels Bank Stations, que permeten a HEC-RAS distingir aquella part de les seccions que cal considerar com a llera i ribes respecte del que seran les zones inundables o planes d'inundació .

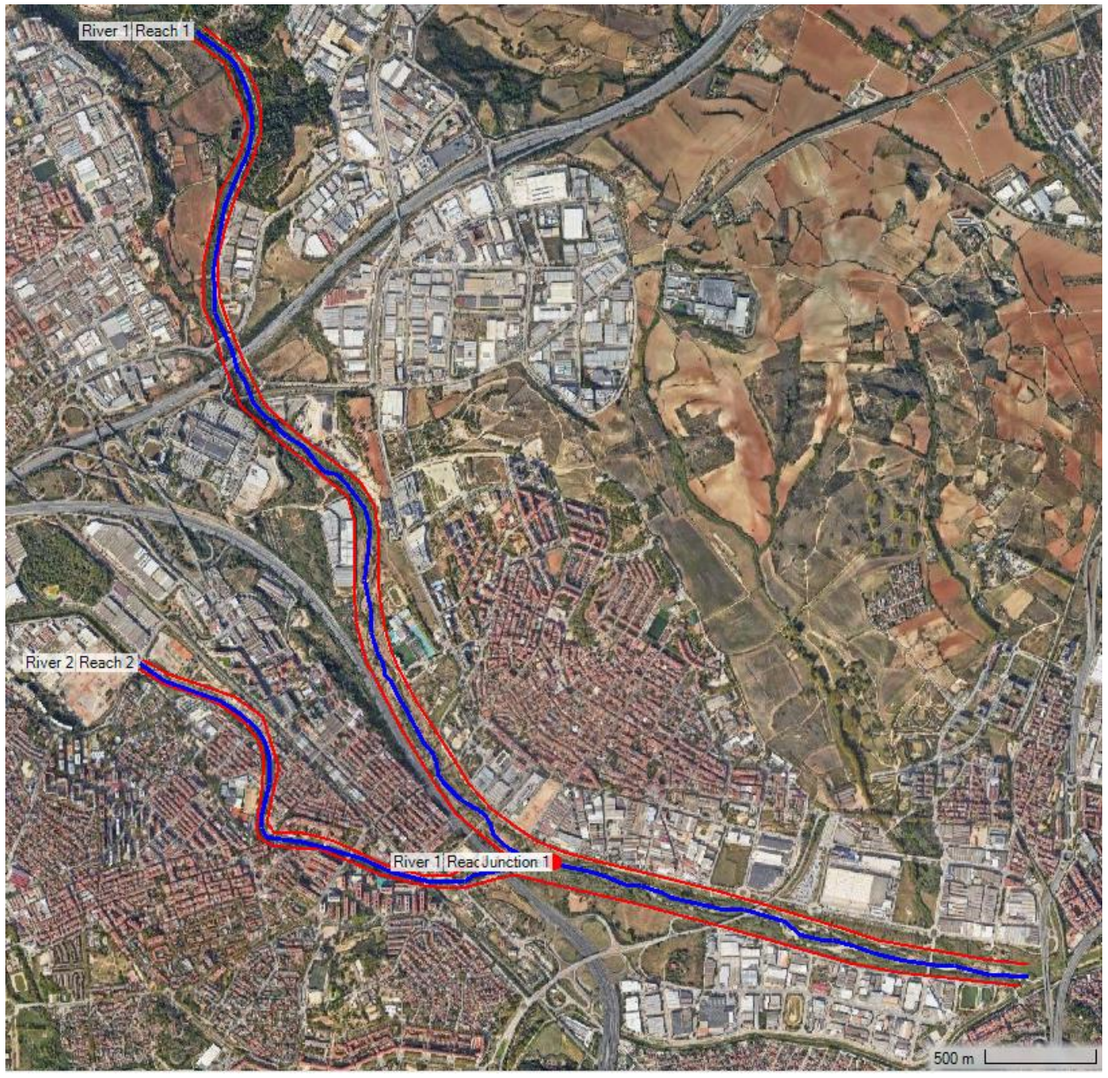


Figura 6. Alineació de Bank Stations considerada (en vermell).

Finalment, per a completar la generació de geometria, s'ha definit com a obstruccions les diferents edificacions i naus industrials dels polígons del marges esquerra i dret.

La geometria no inclou la definició de coeficients de rugositat, implementació de viaductes i d'àrees inefectives de flux. Així doncs, es procedeix a completar la informació i conformar la geometria que composarà el model hidràulic del tram de riu.

5.2.1 Àrees inefectives de flux

En un model en HEC-RAS les àrees inefectives de flux s'identifiquen aquelles zones en les que les seccions d'aigua resultants no han de ser considerades en els càlculs hidràulics del model degut a les característiques de la geometria de masses d'aigua, que fa que es trobin estancades o amb velocitats properes a 0, o bé les direccions del flux no presenten una continuïtat aigües avall.

Tant la geometria del present model com les consideracions de previsió de distribució del flux i de les planes d'inundació fan que la definició d'àrees inefectives de flux sigui indispensable en :

- Zona d'entramat urbà dels polígons, degut a zones inundables que es preveuen amb velocitats properes a 0 en els àmbits més de la llera principal, així com per els propis desnivells i limitacions físiques de les parcel·les de les naus, com de inundacions produïdes per nivells elevats d'aigua que provinents de zones ubicades més aigües avall pugen ascendent aprofitant els vials.

- Les àrees d'estancament del flux en els àmbits aigües amunt i avall de les obstruccions que representen els viaductes, els seus estreps i terraplens.

- La zona inundable de camps de conreu en el marge dret, aigües avall del carrer Dr. Crusafont.

Amb aquestes consideracions, es defineixen en la geometria un conjunt d'àrees inefectives de flux, la posició esquemàtica de les quals, en planta es distribueixen segons el següent esquema, on els triangles grocs representen les diferents parts, trams o blocs d'àrees inefectives definides en cada secció.

Els criteris de definició de les àrees inefectives de flux es descriuen en el sentit del flux.

En el tram comprés entre l'extrem aigües amunt del model i el pont de l'Av. Castell de Barberà, s'han definit com a àrees inefectives de flux (d'ara en davant AIF), tots els camps de cultius que i ha al marge esquerre, deixant com a àrea efectiva la llera. Totes les àrees s'han definit com a no permanents.

També es considera AIF tot l'àmbit inundable del següent tram del riu Ripoll, considerat no permanent.

Així mateix, també es considera AIF tot el tram estudiat del riu Sec, s'ha considerat perquè és tot zona urbana i només s'ha deixat com a zona efectiva la llera del riu.

I finalment, en l'últim tram d'estudi del riu Ripoll, també s'ha considerat com a AIF, a excepció de la llera, considerant-ho no permanent, degut a que es tot zona industrial.

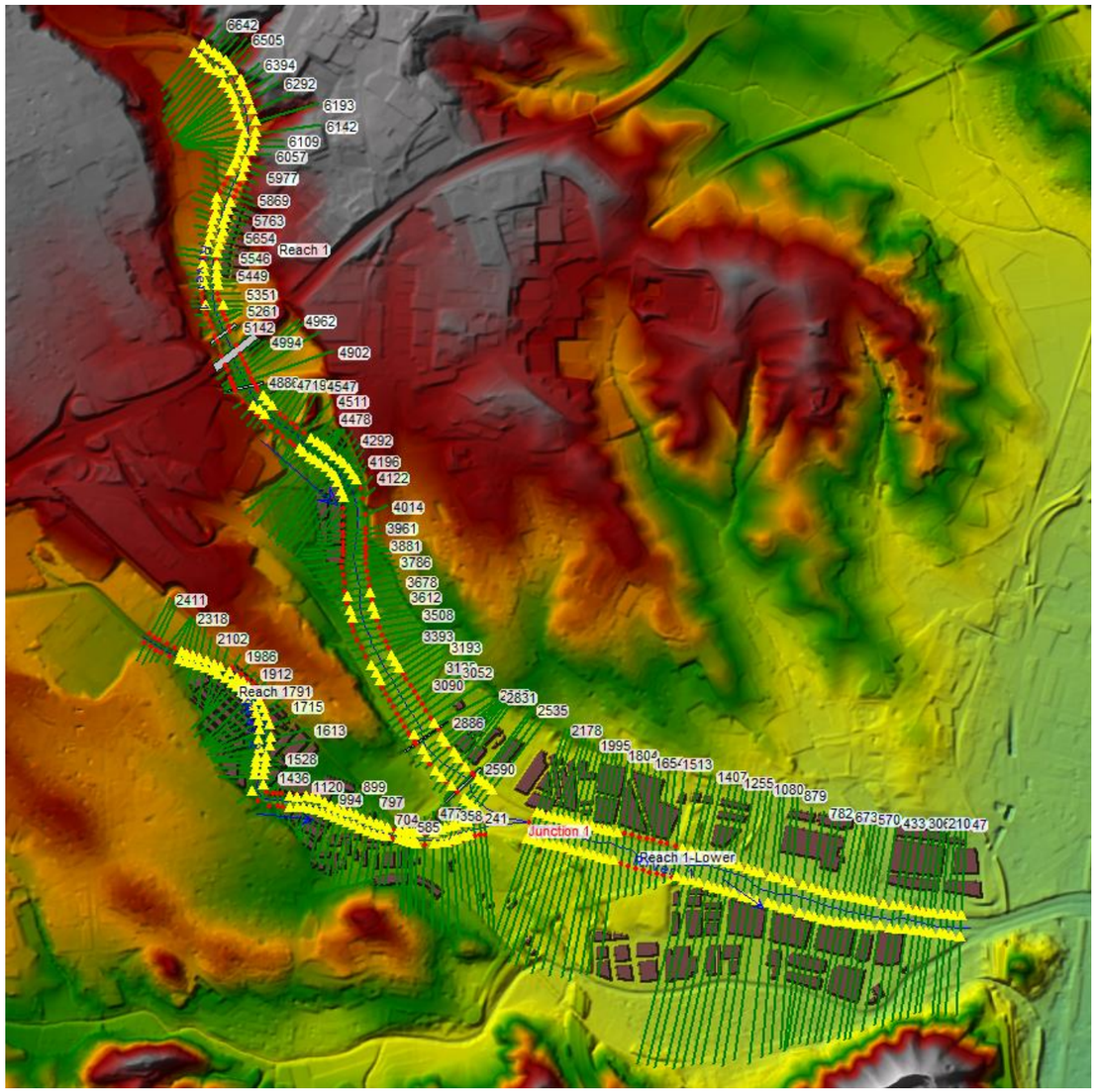


Figura 7. Àrees inefectives de flux del model.

A l'apèndix 1- Taules auxiliars es pot consultar la taula resum on es recullen les diferents AIF establertes per a cada secció de la geometria.

5.2.2 Coeficients de rugositat

Els valors del coeficient de rugositat s'han implementat al model seguint el següent criteri:

- Llera del Riu: 0,04.
- Marges del riu: 0,06.

S'adjunten les taules del coeficients de rugositat per seccions a l'apèndix 1.

5.2.3 Coeficients de contracció i expansió

Com a criteri s'han adoptat els següents valors:

- Coeficient de contracció: 0,1.
- Coeficient d'expansió: 0,3.

S'adjunten les taules del coeficients de contracció i expansió per seccions a l'apèndix 1.

5.2.4 Seccions transversals de la geometria

La implantació en el model de tots els elements relacionats i descrits en els anteriors apartats, queden completament conformades i definides les seccions transversals que composen la geometria del model de simulació d'estat actual del present estudi hidràulic.

5.3 Definició de la hidràulica del model

Pel model representatiu del estat actual del riu Ripoll, es prenen els condicionants hidràulics o "profile" del model base creat anteriorment, és a dir, els mateixos cabals de circulació i les condicions de contorn imposades.

5.3.1 Cabals a considerar

Com a dada de cabals, es prenen els cabals exposats al visor del ACA del Riu Ripoll. Així doncs, les dades de cabals m^3/s que es defineixen en el model d'estat actual són :

River Station	MCO	T3	T500
Reach 1	28,9	36,45	506.7
Reach 1 – Lower	114	127,37	911.2
Reach 2	89,31	99,32	521,47

5.3.2 Condicions de contorn

Els models hidràulics requereixen de la definició d'unes condicions de contorn que indiquen quines són les condicions hidràuliques en els extrems del model. En funció de la informació disponible i del règim de càlcul es definiran un tipus o altre de condició de contorn i en un o altre extrem del model o ambdós.

Pel que fa a la definició de les condicions de contorn es plantegen les següents hipòtesis:

- El règim de càlcul es definirà com a mixt.
- La condició de contorn és definirà aigües avall i aigües amunt del model.
- La definició de contorn que es definirà serà la de Normal Depth.

5.4 Simulació del model

Una simulació o “Plan” en HEC-RAS no és més que la computació hidràulica del model, en el que se sotmet a una geometria definida mitjançant seccions a uns condicionants hidràulics de flux, que, sota unes determinades condicions de contorn, ofereix com a resultat les alçades d’aigua previstes i en conseqüència tota la resta de paràmetres hidràulics així com l’extensió de les superfícies d’inundació.

El model definit per a caracteritzar el comportament hidràulic del riu Ripoll en la situació actual se sotmetrà a la computació d’una simulació en règim mixt, en la que geometria creada serà recorreguda pels cabals comentats anteriorment sota les condicions de contorn aigües avall esmentades abans. En total s’han generat 3 plans amb els següents objectius:

- Plan amb cabal MCO: Utilitzat per calcular la erosió a llarg termini en els punts de creuament.
- Plan amb cabal T3: Utilitzat per determinar la cota de coronació dels talussos protectors de les rases a cel obert.
- Plan amb cabal T500: Utilitzat per calcular la erosió transitòria als punts de creuament.

5.5 Recull de resultats de les simulacions

Aquesta secció presenta un recull de perfils transversals dels períodes de retorn (MCO, 3 i 500 anys) estudiats, i les seccions transversals de les simulacions efectuades en el model desenvolupat.

TAULES AUXILIARS

Àrees inefectives de flux

RS	Left	Right	Elev	Left	Right	Elev
6642		142.95	102	199.8		102
6604		158.62	104	216.88		104
6570		139.86	104	206.21		104
6540		135.73	104	204.38		104
6505		147.35	104	217.74		104
6476		152.65	104	202.99		104
6443		128.76	104	202.53		104
6394		124.78	104	190.86		104
6364		141.15	104	201.07		104
6330		158.85	104	220.53		104
6292		175.22	104	243.01		104
6243		209.29	104	283.31		104
6193		315.4	104	386.94		104
6142		310.77	104	368.93		104
6109		141.59	104	196.46		104
6084		154.13	104	209.73		104
6057		101.4	104	152.62		104
6009		99.01	104	144.21		104
5977		93.95	104	142.23		104
5940		77.66	104	133.87		104
5800		111.43	104	178.86		104
5763		106.19	104	170.35		104
5724		98.32	104	151.01		104
5692		90.53	104	143.9		104
5654		80.02	104	134.13		104
5618		73.3	104	127.05		104
5581		80.81	104	134.02		104
5546		82.64	104	138.52		104
5484		78.22	104	141.07		104
5449		73.43	104	132.36		104
5415		105.64	104	170.17		104
5384		89.79	104	155.42		104
5289		98.64	104	178.83		104
4784		103.24	104	165.13		104
4748		131.87	104	187.95		104
4719		145.35	104	202.58		104
4478		154.87	104	226.62		104
4446		130.09	104	210.6		104
4413		133.03	104	213.84		104
4388		132.18	104	208.53		104
4356		133.33	104	206.04		104
4324		152.23	104	223.14		104
4292		131.27	104	204.93		104
4263		127.6	104	202.58		104
4231		117.26	104	201.15		104
4196		91.44	104	187.63		104
4166		86.47	104	192.94		104
3644		161.04	104	271.98		104
3576		184.66	104	294.4		104
3538		195.28	104	304.72		104
3303		245.38	104	352.48		104
3262		249.26	104	356.64		104
3226		248.97	104	356.93		104
2916		330.27	104	439.49		104
2831		347.35	104	454.87		104
2795		350	104	460.18		104
2722		348.67	104	476.99		104
2685		361.07	104	479.52		104
2626		391.75	104	507.28		104
2535		426.78	104	542.35		104
2509		408.39	104	524.01		104
2480		426.95	104	542.1		104
2448		432.3	104	546.46		104

Coeficients de rugositat de Manning

River	Reach	River Station	Frctn (n/K)	n #1	n #2	n #3
River 1	Reach 1	6642	n	0.06	0.04	0.06
River 1	Reach 1	6604	n	0.06	0.04	0.06
River 1	Reach 1	6570	n	0.06	0.04	0.06
River 1	Reach 1	6540	n	0.06	0.04	0.06
River 1	Reach 1	6505	n	0.06	0.04	0.06
River 1	Reach 1	6476	n	0.06	0.04	0.06
River 1	Reach 1	6443	n	0.06	0.04	0.06
River 1	Reach 1	6394	n	0.06	0.04	0.06
River 1	Reach 1	6364	n	0.06	0.04	0.06
River 1	Reach 1	6330	n	0.06	0.04	0.06
River 1	Reach 1	6292	n	0.06	0.04	0.06
River 1	Reach 1	6243	n	0.06	0.04	0.06
River 1	Reach 1	6193	n	0.06	0.04	0.06
River 1	Reach 1	6142	n	0.06	0.04	0.06
River 1	Reach 1	6109	n	0.06	0.04	0.06
River 1	Reach 1	6084	n	0.06	0.04	0.06
River 1	Reach 1	6057	n	0.06	0.04	0.06
River 1	Reach 1	6009	n	0.06	0.04	0.06
River 1	Reach 1	5977	n	0.06	0.04	0.06
River 1	Reach 1	5940	n	0.06	0.04	0.06
River 1	Reach 1	5904	n	0.06	0.04	0.06
River 1	Reach 1	5869	n	0.06	0.04	0.06
River 1	Reach 1	5834	n	0.06	0.04	0.06
River 1	Reach 1	5800	n	0.06	0.04	0.06
River 1	Reach 1	5763	n	0.06	0.04	0.06
River 1	Reach 1	5724	n	0.06	0.04	0.06
River 1	Reach 1	5692	n	0.06	0.04	0.06
River 1	Reach 1	5654	n	0.06	0.04	0.06
River 1	Reach 1	5618	n	0.06	0.04	0.06

River 1	Reach 1	5581	n	0.06	0.04	0.06
River 1	Reach 1	5546	n	0.06	0.04	0.06
River 1	Reach 1	5519	n	0.06	0.04	0.06
River 1	Reach 1	5484	n	0.06	0.04	0.06
River 1	Reach 1	5449	n	0.06	0.04	0.06
River 1	Reach 1	5415	n	0.06	0.04	0.06
River 1	Reach 1	5384	n	0.06	0.04	0.06
River 1	Reach 1	5351	n	0.06	0.04	0.06
River 1	Reach 1	5317	n	0.06	0.04	0.06
River 1	Reach 1	5289	n	0.06	0.04	0.06
River 1	Reach 1	5261	n	0.06	0.04	0.06
River 1	Reach 1	5231	n	0.06	0.04	0.06
River 1	Reach 1	5201	n	0.06	0.04	0.06
River 1	Reach 1	5167	n	0.06	0.04	0.06
River 1	Reach 1	5155	Bridge 1			
River 1	Reach 1	5142	n	0.06	0.04	0.06
River 1	Reach 1	5071	n	0.06	0.04	0.06
River 1	Reach 1	5046	Bridge 2			
River 1	Reach 1	5025	n	0.06	0.04	0.06
River 1	Reach 1	4994	n	0.06	0.04	0.06
River 1	Reach 1	4962	n	0.06	0.04	0.06
River 1	Reach 1	4940	n	0.06	0.04	0.06
River 1	Reach 1	4923	n	0.06	0.04	0.06
River 1	Reach 1	4902	n	0.06	0.04	0.06
River 1	Reach 1	4886	n	0.06	0.04	0.06
River 1	Reach 1	4876	Bridge 3			
River 1	Reach 1	4864	n	0.06	0.04	0.06
River 1	Reach 1	4827	n	0.06	0.04	0.06
River 1	Reach 1	4784	n	0.06	0.04	0.06
River 1	Reach 1	4748	n	0.06	0.04	0.06
River 1	Reach 1	4719	n	0.06	0.04	0.06
River 1	Reach 1	4691	n	0.06	0.04	0.06
River 1	Reach 1	4657	n	0.06	0.04	0.06
River 1	Reach 1	4621	n	0.06	0.04	0.06
River 1	Reach 1	4585	n	0.06	0.04	0.06
River 1	Reach 1	4547	n	0.06	0.04	0.06
River 1	Reach 1	4511	n	0.06	0.04	0.06
River 1	Reach 1	4478	n	0.06	0.04	0.06
River 1	Reach 1	4446	n	0.06	0.04	0.06
River 1	Reach 1	4413	n	0.06	0.04	0.06
River 1	Reach 1	4388	n	0.06	0.04	0.06
River 1	Reach 1	4356	n	0.06	0.04	0.06
River 1	Reach 1	4324	n	0.06	0.04	0.06
River 1	Reach 1	4292	n	0.06	0.04	0.06
River 1	Reach 1	4263	n	0.06	0.04	0.06
River 1	Reach 1	4231	n	0.06	0.04	0.06
River 1	Reach 1	4196	n	0.06	0.04	0.06
River 1	Reach 1	4166	n	0.06	0.04	0.06
River 1	Reach 1	4122	n	0.06	0.04	0.06

River 1	Reach 1	4084	n	0.06	0.04	0.06
River 1	Reach 1	4014	n	0.06	0.04	0.06
River 1	Reach 1	3961	n	0.06	0.04	0.06
River 1	Reach 1	3936	n	0.06	0.04	0.06
River 1	Reach 1	3908	n	0.06	0.04	0.06
River 1	Reach 1	3881	n	0.06	0.04	0.06
River 1	Reach 1	3864	n	0.06	0.04	0.06
River 1	Reach 1	3847	n	0.06	0.04	0.06
River 1	Reach 1	3817	n	0.06	0.04	0.06
River 1	Reach 1	3786	n	0.06	0.04	0.06
River 1	Reach 1	3750	n	0.06	0.04	0.06
River 1	Reach 1	3717	n	0.06	0.04	0.06
River 1	Reach 1	3678	n	0.06	0.04	0.06
River 1	Reach 1	3644	n	0.06	0.04	0.06
River 1	Reach 1	3612	n	0.06	0.04	0.06
River 1	Reach 1	3576	n	0.06	0.04	0.06
River 1	Reach 1	3538	n	0.06	0.04	0.06
River 1	Reach 1	3508	n	0.06	0.04	0.06
River 1	Reach 1	3475	n	0.06	0.04	0.06
River 1	Reach 1	3432	n	0.06	0.04	0.06
River 1	Reach 1	3393	n	0.06	0.04	0.06
River 1	Reach 1	3351	n	0.06	0.04	0.06
River 1	Reach 1	3303	n	0.06	0.04	0.06
River 1	Reach 1	3262	n	0.06	0.04	0.06
River 1	Reach 1	3226	n	0.06	0.04	0.06
River 1	Reach 1	3193	n	0.06	0.04	0.06
River 1	Reach 1	3163	n	0.06	0.04	0.06
River 1	Reach 1	3125	n	0.06	0.04	0.06
River 1	Reach 1	3090	n	0.06	0.04	0.06
River 1	Reach 1	3052	n	0.06	0.04	0.06
River 1	Reach 1	3018	n	0.06	0.04	0.06
River 1	Reach 1	2981	n	0.06	0.04	0.06
River 1	Reach 1	2945	n	0.06	0.04	0.06
River 1	Reach 1	2916	n	0.06	0.04	0.06
River 1	Reach 1	2886	n	0.06	0.04	0.06
River 1	Reach 1	2879	Bridge 4			
River 1	Reach 1	2872	n	0.06	0.04	0.06
River 1	Reach 1	2831	n	0.06	0.04	0.06
River 1	Reach 1	2795	n	0.06	0.04	0.06
River 1	Reach 1	2764	n	0.06	0.04	0.06
River 1	Reach 1	2722	n	0.06	0.04	0.06
River 1	Reach 1	2685	n	0.06	0.04	0.06
River 1	Reach 1	2658	n	0.06	0.04	0.06
River 1	Reach 1	2626	n	0.06	0.04	0.06
River 1	Reach 1	2590	n	0.06	0.04	0.06
River 1	Reach 1	2580	Bridge 5			
River 1	Reach 1	2571	n	0.06	0.04	0.06
River 1	Reach 1	2535	n	0.06	0.04	0.06
River 1	Reach 1	2509	n	0.06	0.04	0.06

River 1	Reach 1	2480	n	0.06	0.04	0.06
River 1	Reach 1	2448	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2178	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2151	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2120	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2085	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2055	n	0.06	0.04	0.06
River 1	Reach 1-Lower	2025	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1995	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1964	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1930	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1894	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1863	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1832	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1804	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1765	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1729	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1692	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1654	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1616	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1584	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1547	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1513	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1471	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1447	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1407	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1371	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1334	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1290	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1255	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1224	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1196	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1158	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1116	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1080	n	0.06	0.04	0.06
River 1	Reach 1-Lower	1039	n	0.06	0.04	0.06
River 1	Reach 1-Lower	986	n	0.06	0.04	0.06
River 1	Reach 1-Lower	953	n	0.06	0.04	0.06
River 1	Reach 1-Lower	912	n	0.06	0.04	0.06
River 1	Reach 1-Lower	879	n	0.06	0.04	0.06
River 1	Reach 1-Lower	827	n	0.06	0.04	0.06
River 1	Reach 1-Lower	782	n	0.06	0.04	0.06
River 1	Reach 1-Lower	745	n	0.06	0.04	0.06
River 1	Reach 1-Lower	713	n	0.06	0.04	0.06
River 1	Reach 1-Lower	673	n	0.06	0.04	0.06
River 1	Reach 1-Lower	636	n	0.06	0.04	0.06
River 1	Reach 1-Lower	602	n	0.06	0.04	0.06
River 1	Reach 1-Lower	570	n	0.06	0.04	0.06
River 1	Reach 1-Lower	539	n	0.06	0.04	0.06
River 1	Reach 1-Lower	511	n	0.06	0.04	0.06
River 1	Reach 1-Lower	481	n	0.06	0.04	0.06
River 1	Reach 1-Lower	433	n	0.06	0.04	0.06
River 1	Reach 1-Lower	382	n	0.06	0.04	0.06
River 1	Reach 1-Lower	345	n	0.06	0.04	0.06
River 1	Reach 1-Lower	306	n	0.06	0.04	0.06
River 1	Reach 1-Lower	269	n	0.06	0.04	0.06
River 1	Reach 1-Lower	240	n	0.06	0.04	0.06
River 1	Reach 1-Lower	210	n	0.06	0.04	0.06
River 1	Reach 1-Lower	187	n	0.06	0.04	0.06
River 1	Reach 1-Lower	144	n	0.06	0.04	0.06
River 1	Reach 1-Lower	119	n	0.06	0.04	0.06
River 1	Reach 1-Lower	88	n	0.06	0.04	0.06
River 1	Reach 1-Lower	47	n	0.06	0.04	0.06
River 2	Reach 2	2411	n	0.06	0.04	0.06
River 2	Reach 2	2380	n	0.06	0.04	0.06
River 2	Reach 2	2352	n	0.06	0.04	0.06
River 2	Reach 2	2318	n	0.06	0.04	0.06
River 2	Reach 2	2274	n	0.06	0.04	0.06
River 2	Reach 2	2234	n	0.06	0.04	0.06
River 2	Reach 2	2201	n	0.06	0.04	0.06
River 2	Reach 2	2171	n	0.06	0.04	0.06
River 2	Reach 2	2141	n	0.06	0.04	0.06
River 2	Reach 2	2102	n	0.06	0.04	0.06
River 2	Reach 2	2063	n	0.06	0.04	0.06
River 2	Reach 2	2031	n	0.06	0.04	0.06
River 2	Reach 2	1986	n	0.06	0.04	0.06
River 2	Reach 2	1945	n	0.06	0.04	0.06
River 2	Reach 2	1912	n	0.06	0.04	0.06
River 2	Reach 2	1877	n	0.06	0.04	0.06
River 2	Reach 2	1840	n	0.06	0.04	0.06
River 2	Reach 2	1791	n	0.06	0.04	0.06
River 2	Reach 2	1752	n	0.06	0.04	0.06
River 2	Reach 2	1715	n	0.06	0.04	0.06
River 2	Reach 2	1668	n	0.06	0.04	0.06
River 2	Reach 2	1613	n	0.06	0.04	0.06
River 2	Reach 2	1574	n	0.06	0.04	0.06
River 2	Reach 2	1528	n	0.06	0.04	0.06
River 2	Reach 2	1499	n	0.06	0.04	0.06
River 2	Reach 2	1470	n	0.06	0.04	0.06
River 2	Reach 2	1436	n	0.06	0.04	0.06
River 2	Reach 2	1372	n	0.06	0.04	0.06
River 2	Reach 2	1325	n	0.06	0.04	0.06
River 2	Reach 2	1280	n	0.06	0.04	0.06
River 2	Reach 2	1250	n	0.06	0.04	0.06
River 2	Reach 2	1224	n	0.06	0.04	0.06
River 2	Reach 2	1193	n	0.06	0.04	0.06
River 2	Reach 2	1155	n	0.06	0.04	0.06
River 2	Reach 2	1120	n	0.06	0.04	0.06

River 2	Reach 2	1092	n	0.06	0.04	0.06
River 2	Reach 2	1058	n	0.06	0.04	0.06
River 2	Reach 2	1028	n	0.06	0.04	0.06
River 2	Reach 2	994	n	0.06	0.04	0.06
River 2	Reach 2	961	n	0.06	0.04	0.06
River 2	Reach 2	930	n	0.06	0.04	0.06
River 2	Reach 2	899	n	0.06	0.04	0.06
River 2	Reach 2	868	n	0.06	0.04	0.06
River 2	Reach 2	834	n	0.06	0.04	0.06
River 2	Reach 2	797	n	0.06	0.04	0.06
River 2	Reach 2	763	n	0.06	0.04	0.06
River 2	Reach 2	736	n	0.06	0.04	0.06
River 2	Reach 2	704	n	0.06	0.04	0.06
River 2	Reach 2	673	n	0.06	0.04	0.06
River 2	Reach 2	644	n	0.06	0.04	0.06
River 2	Reach 2	618	n	0.06	0.04	0.06
River 2	Reach 2	602	n	0.06	0.04	0.06
River 2	Reach 2	585	n	0.06	0.04	0.06
River 2	Reach 2	572	n	0.06	0.04	0.06
River 2	Reach 2	557	n	0.06	0.04	0.06
River 2	Reach 2	519	n	0.06	0.04	0.06
River 2	Reach 2	477	n	0.06	0.04	0.06
River 2	Reach 2	439	n	0.06	0.04	0.06
River 2	Reach 2	417	n	0.06	0.04	0.06
River 2	Reach 2	384	n	0.06	0.04	0.06
River 2	Reach 2	358	n	0.06	0.04	0.06
River 2	Reach 2	327	n	0.06	0.04	0.06
River 2	Reach 2	299	n	0.06	0.04	0.06
River 2	Reach 2	269	n	0.06	0.04	0.06
River 2	Reach 2	241	n	0.06	0.04	0.06
River 2	Reach 2	218	n	0.06	0.04	0.06

Coeficients de contracció i expansió

River Station	Contraction	Expansion
6642	0.1	0.3
6604	0.1	0.3
6570	0.1	0.3
6540	0.1	0.3
6505	0.1	0.3
6476	0.1	0.3
6443	0.1	0.3
6394	0.1	0.3
6364	0.1	0.3
6330	0.1	0.3
6292	0.1	0.3
6243	0.1	0.3
6193	0.1	0.3
6142	0.1	0.3
6109	0.1	0.3
6084	0.1	0.3
6057	0.1	0.3
6009	0.1	0.3
5977	0.1	0.3
5940	0.1	0.3
5904	0.1	0.3
5869	0.1	0.3
5834	0.1	0.3
5800	0.1	0.3
5763	0.1	0.3
5724	0.1	0.3
5692	0.1	0.3
5654	0.1	0.3
5618	0.1	0.3
5581	0.1	0.3
5546	0.1	0.3
5519	0.1	0.3
5484	0.1	0.3
5449	0.1	0.3
5415	0.1	0.3
5384	0.1	0.3
5351	0.1	0.3
5317	0.1	0.3
5289	0.1	0.3
5261	0.1	0.3
5231	0.1	0.3
5201	0.1	0.3
5167	0.1	0.3
5155	Bridge 1	
5142	0.1	0.3
5071	0.1	0.3
5046	Bridge 2	
5025	0.1	0.3
4994	0.1	0.3
4962	0.1	0.3
4940	0.1	0.3
4923	0.1	0.3
4902	0.1	0.3
4886	0.1	0.3
4876	Bridge 3	
4864	0.1	0.3
4827	0.1	0.3
4784	0.1	0.3
4748	0.1	0.3
4719	0.1	0.3
4691	0.1	0.3
4657	0.1	0.3
4621	0.1	0.3

4585	0.1	0.3
4547	0.1	0.3
4511	0.1	0.3
4478	0.1	0.3
4446	0.1	0.3
4413	0.1	0.3
4388	0.1	0.3
4356	0.1	0.3
4324	0.1	0.3
4292	0.1	0.3
4263	0.1	0.3
4231	0.1	0.3
4196	0.1	0.3
4166	0.1	0.3
4122	0.1	0.3
4084	0.1	0.3
4014	0.1	0.3
3961	0.1	0.3
3936	0.1	0.3
3908	0.1	0.3
3881	0.1	0.3
3864	0.1	0.3
3847	0.1	0.3
3817	0.1	0.3
3786	0.1	0.3
3750	0.1	0.3
3717	0.1	0.3
3678	0.1	0.3
3644	0.1	0.3
3612	0.1	0.3
3576	0.1	0.3
3538	0.1	0.3
3508	0.1	0.3
3475	0.1	0.3
3432	0.1	0.3
3393	0.1	0.3
3351	0.1	0.3
3303	0.1	0.3
3262	0.1	0.3
3226	0.1	0.3
3193	0.1	0.3
3163	0.1	0.3
3125	0.1	0.3
3090	0.1	0.3
3052	0.1	0.3
3018	0.1	0.3
2981	0.1	0.3
2945	0.1	0.3
2916	0.1	0.3
2886	0.1	0.3
2879	Bridge 4	
2872	0.1	0.3
2831	0.1	0.3
2795	0.1	0.3
2764	0.1	0.3
2722	0.1	0.3
2685	0.1	0.3
2658	0.1	0.3
2626	0.1	0.3
2590	0.1	0.3
2580	Bridge 5	
2571	0.1	0.3
2535	0.1	0.3
2509	0.1	0.3
2480	0.1	0.3
2448	0.1	0.3

SECCIONS TRANSVERSALS SIMULACIÓ MCO

1) Plan QMCO

River 1 Reach 1-Lower

River 1 Reach 1

Legend

EG PF 1

WS PF 1

Crit PF 1

Ground

Elevation (m)

100

90

80

70

60

50

40

30

0

1000

2000

3000

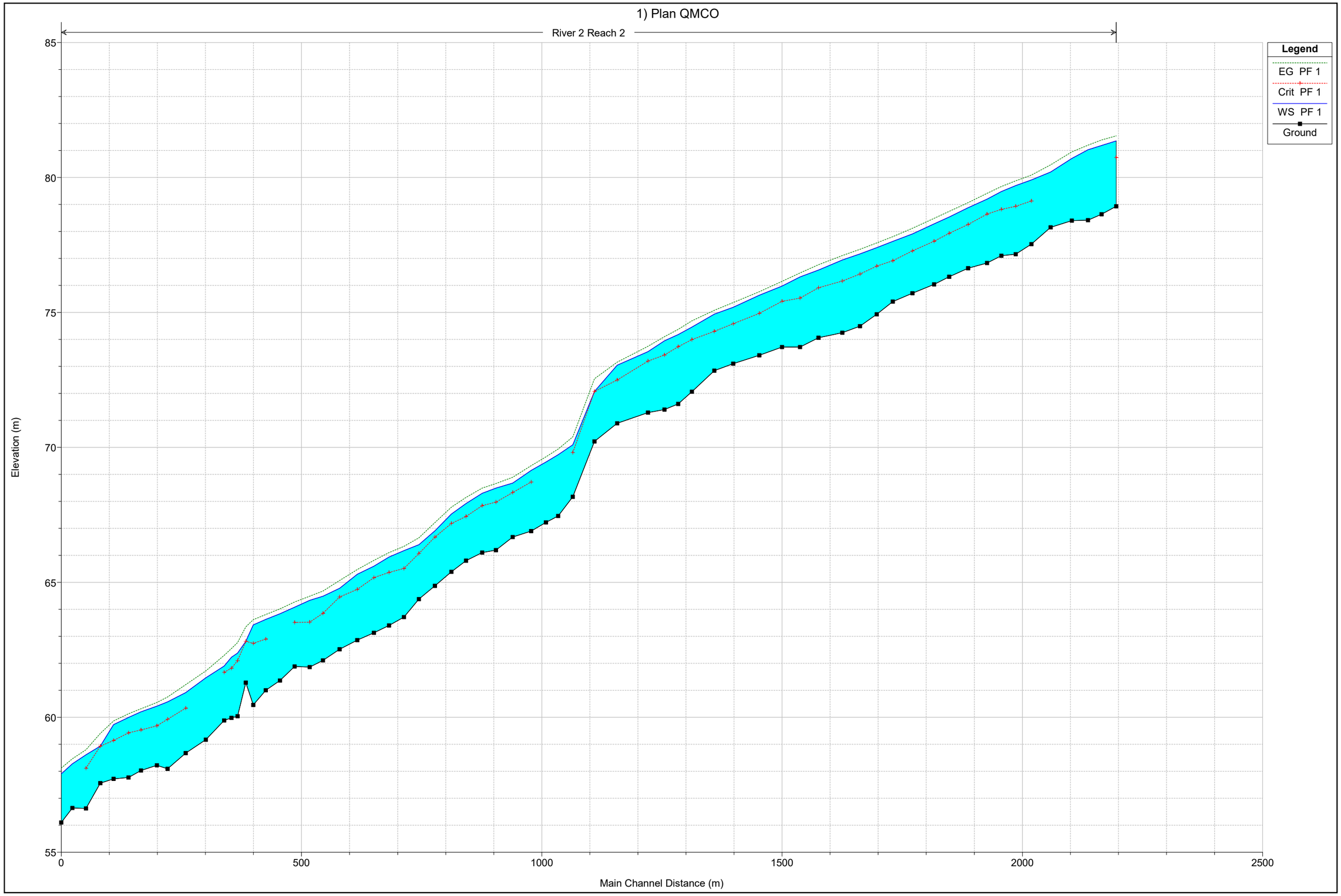
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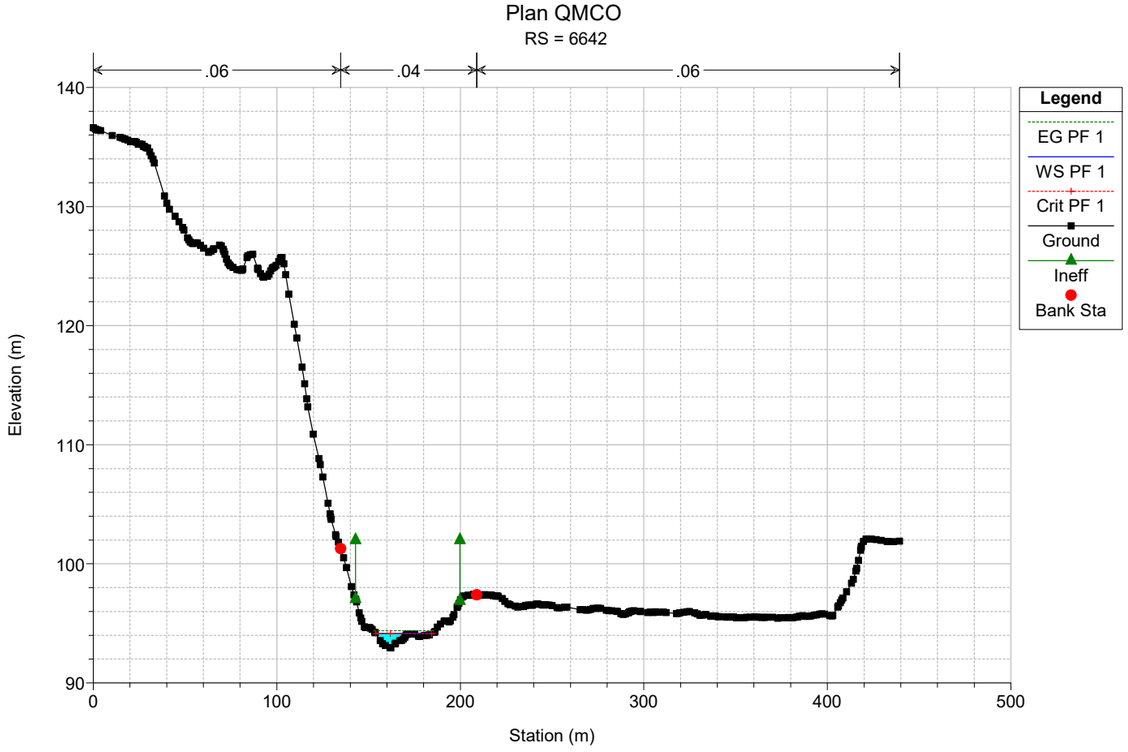
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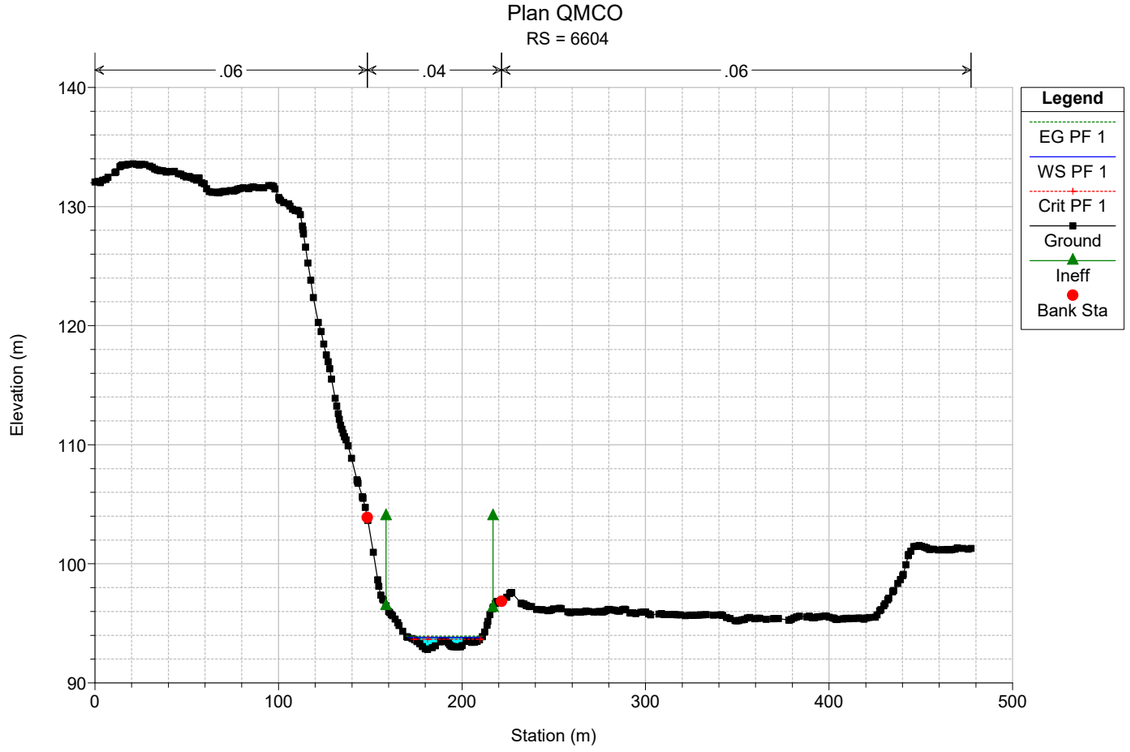
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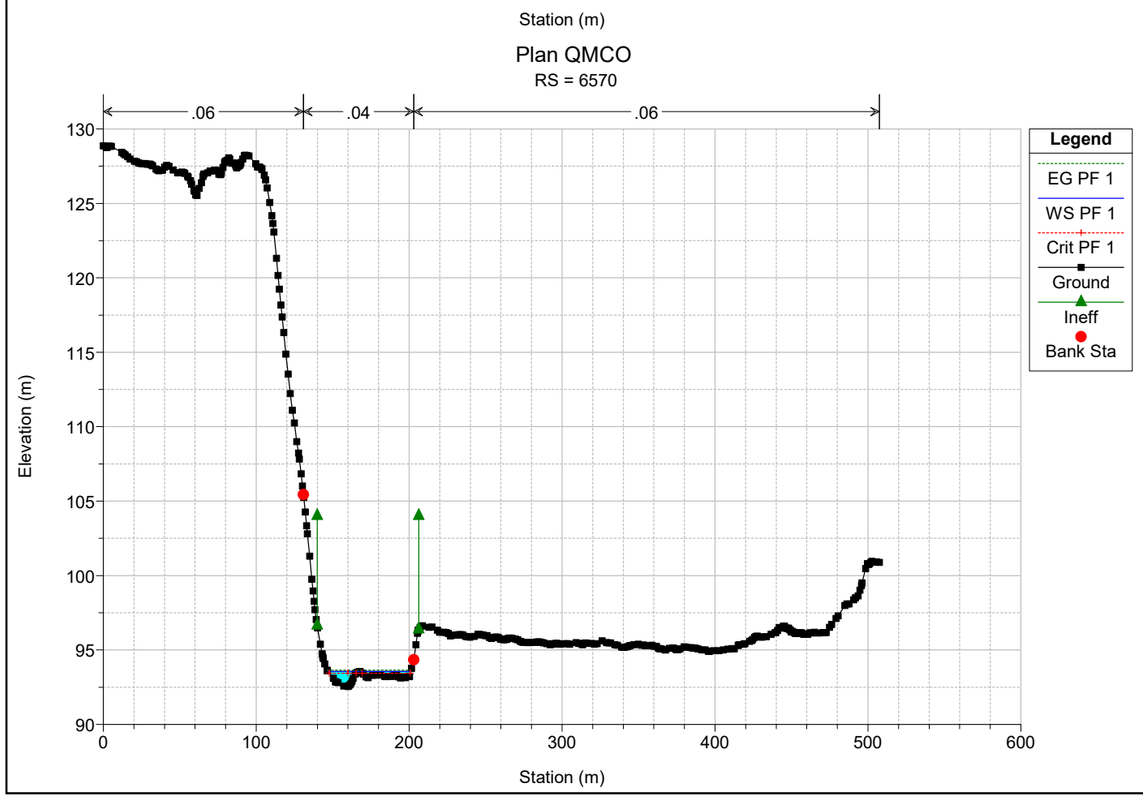
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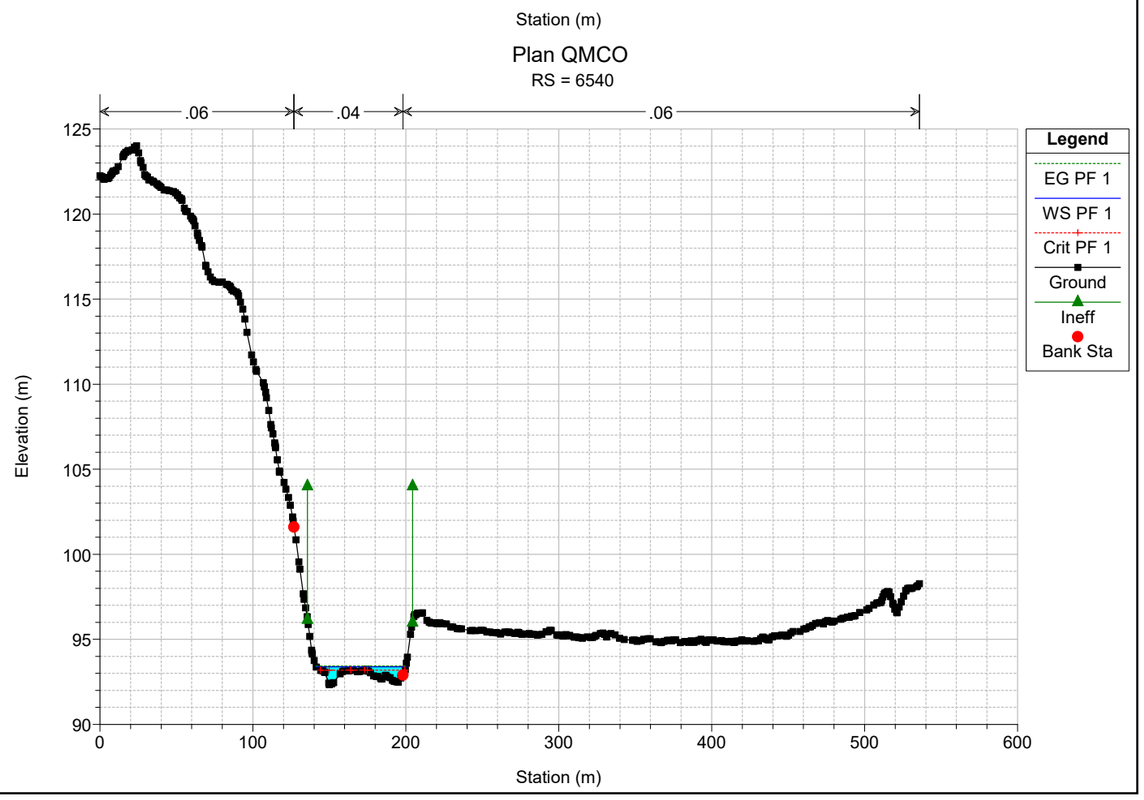
Main Channel Distance (m)

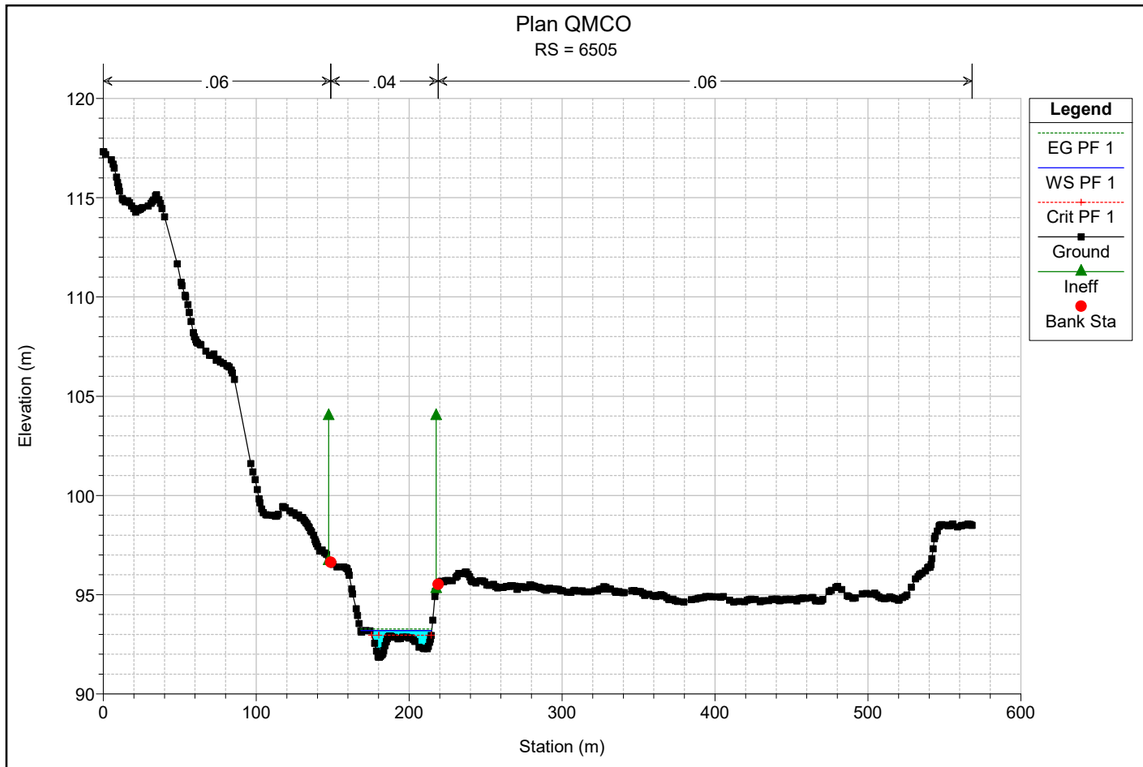

1) Plan QMCO
River 2 Reach 2
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Elevation (m)
85
80
75
70
65
60
55
0
500
1000
1500
2000
2500
Main Channel Distance (m)

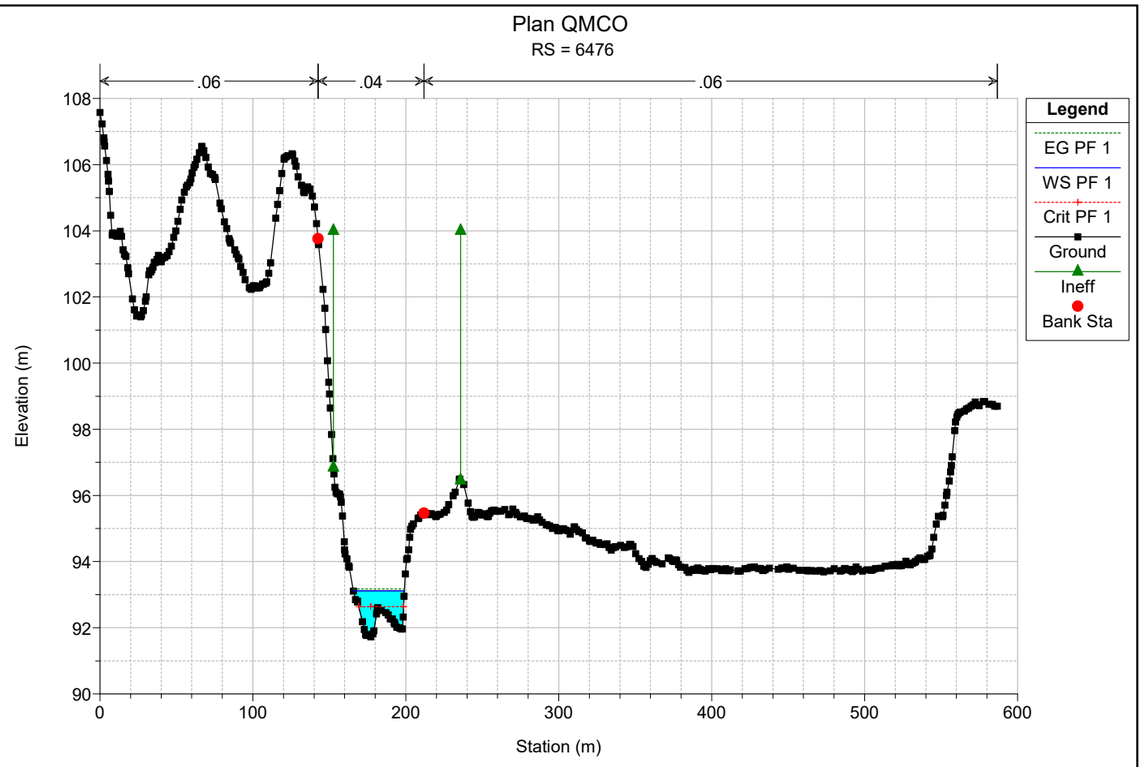

Plan QMCO
RS = 6642
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

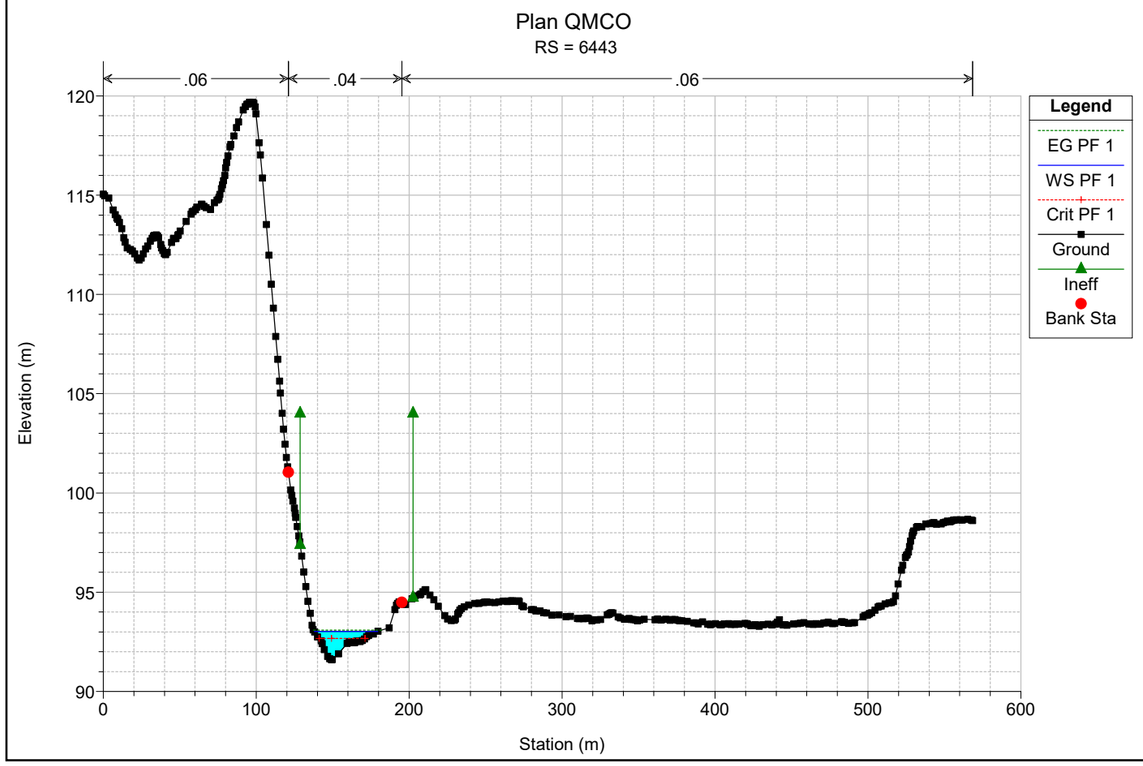

Plan QMCO
RS = 6604
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

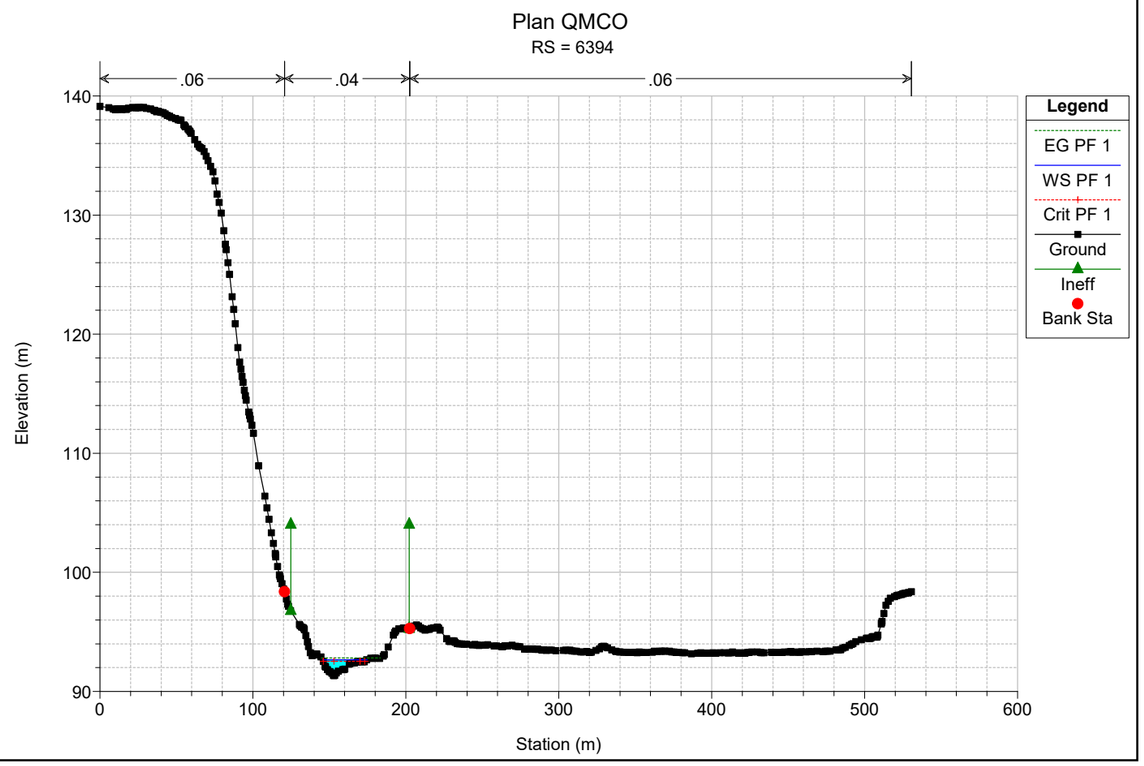

Plan QMCO
RS = 6570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

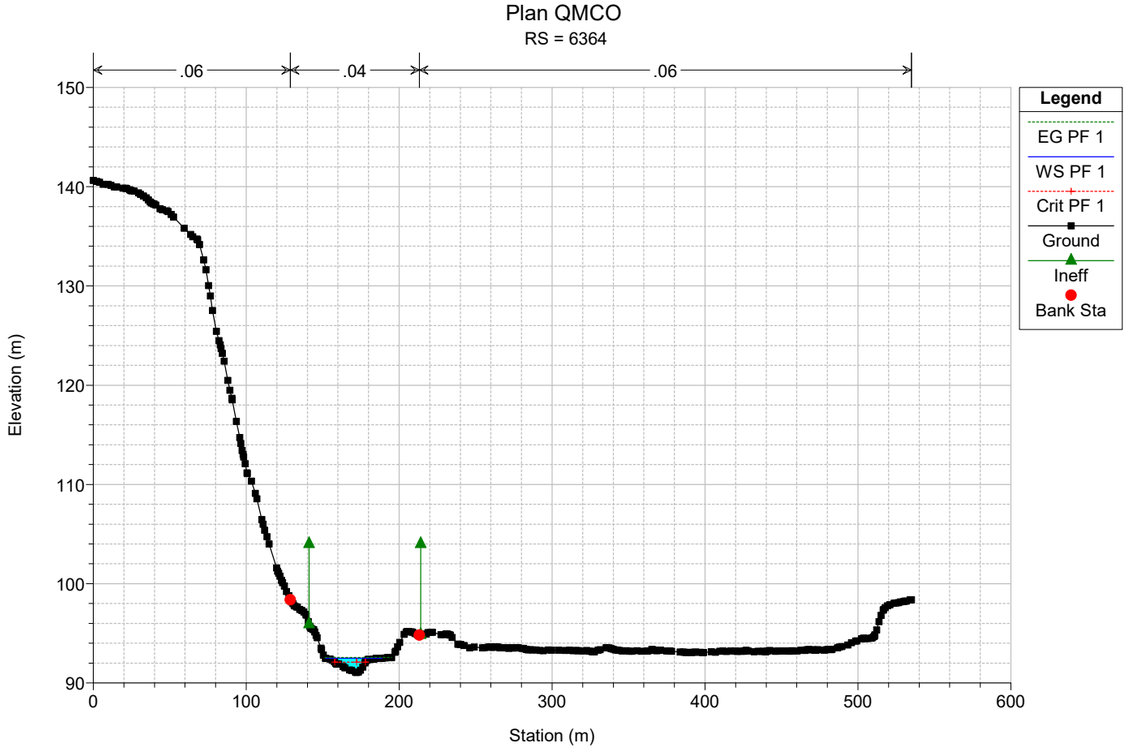

Plan QMCO
RS = 6540
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

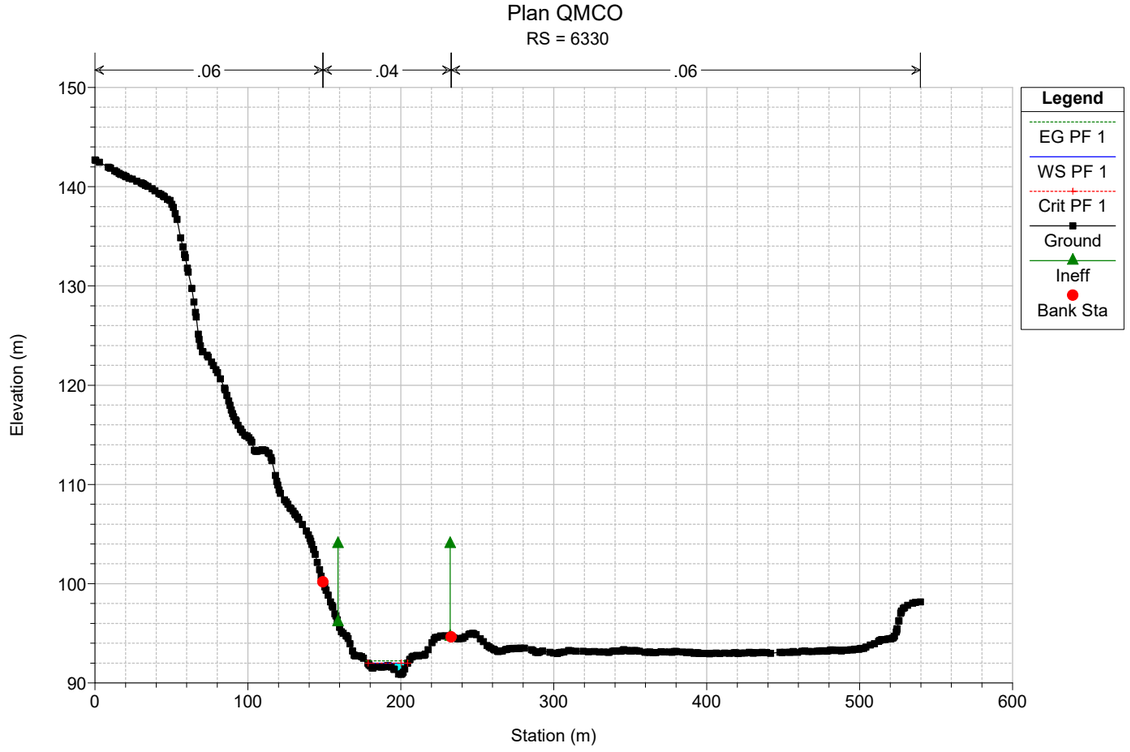

Plan QMCO
RS = 6505
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

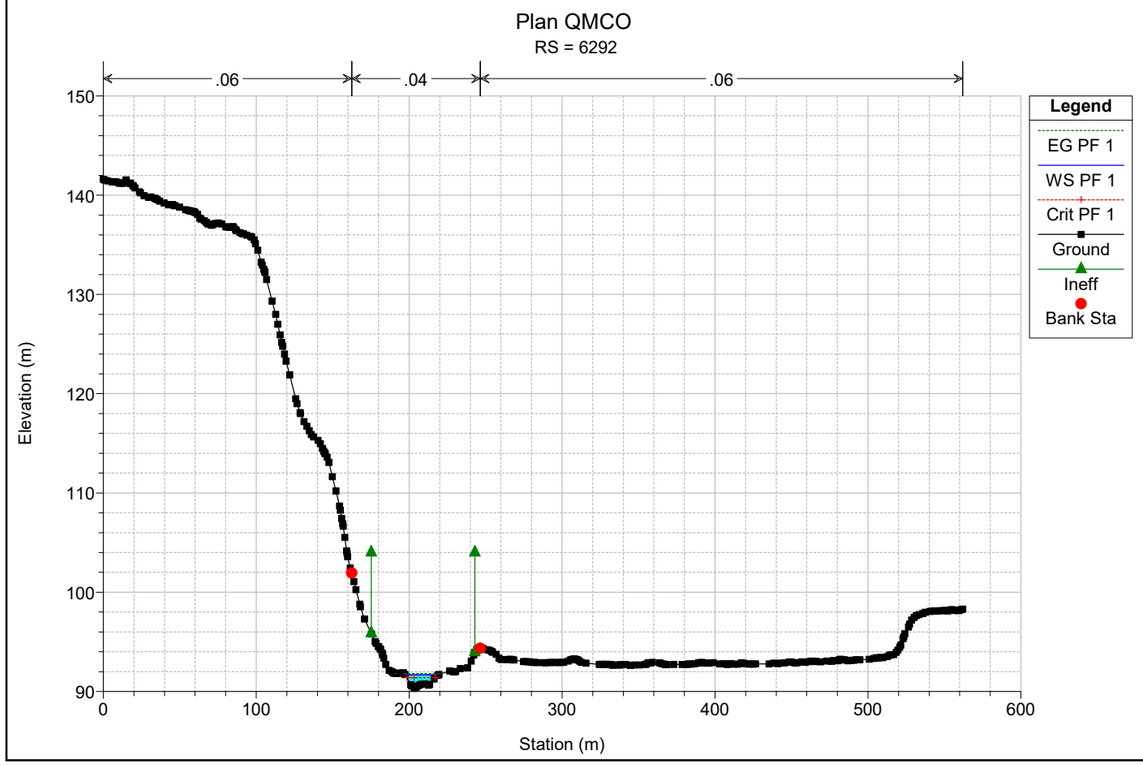

Plan QMCO
RS = 6476
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
108
106
104
102
100
98
96
94
92
90
0
100
200
300
400
500
600

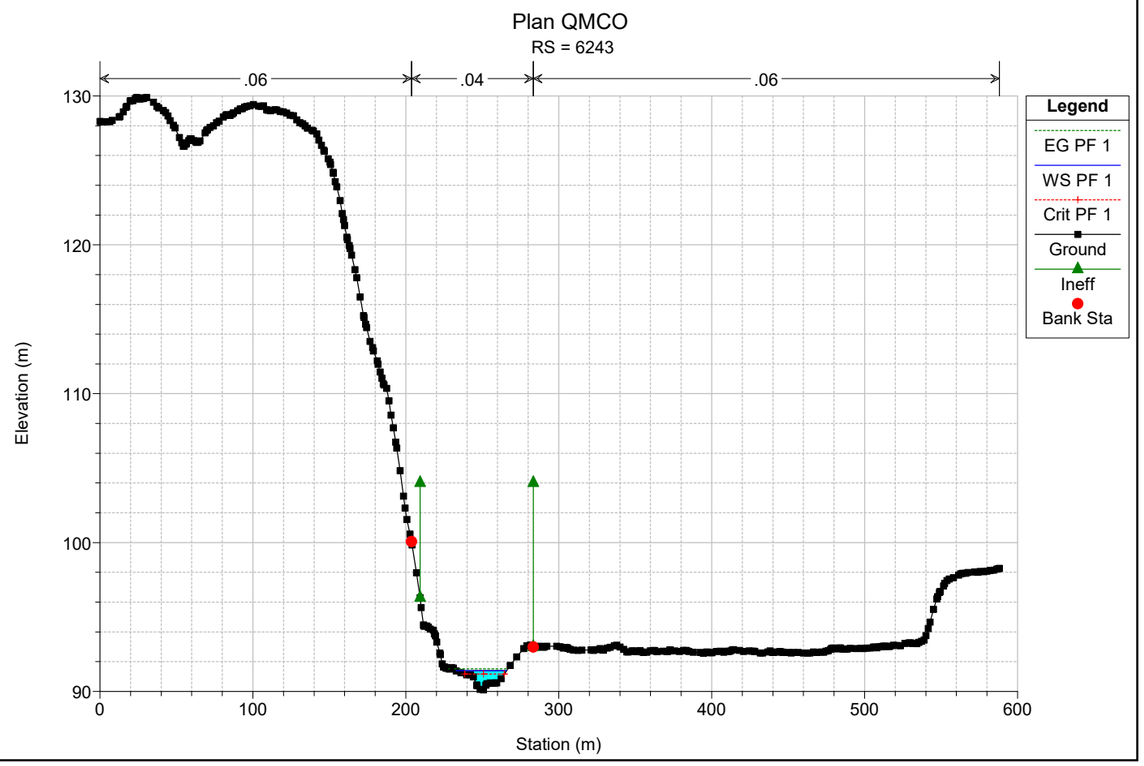

Plan QMCO
RS = 6443
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

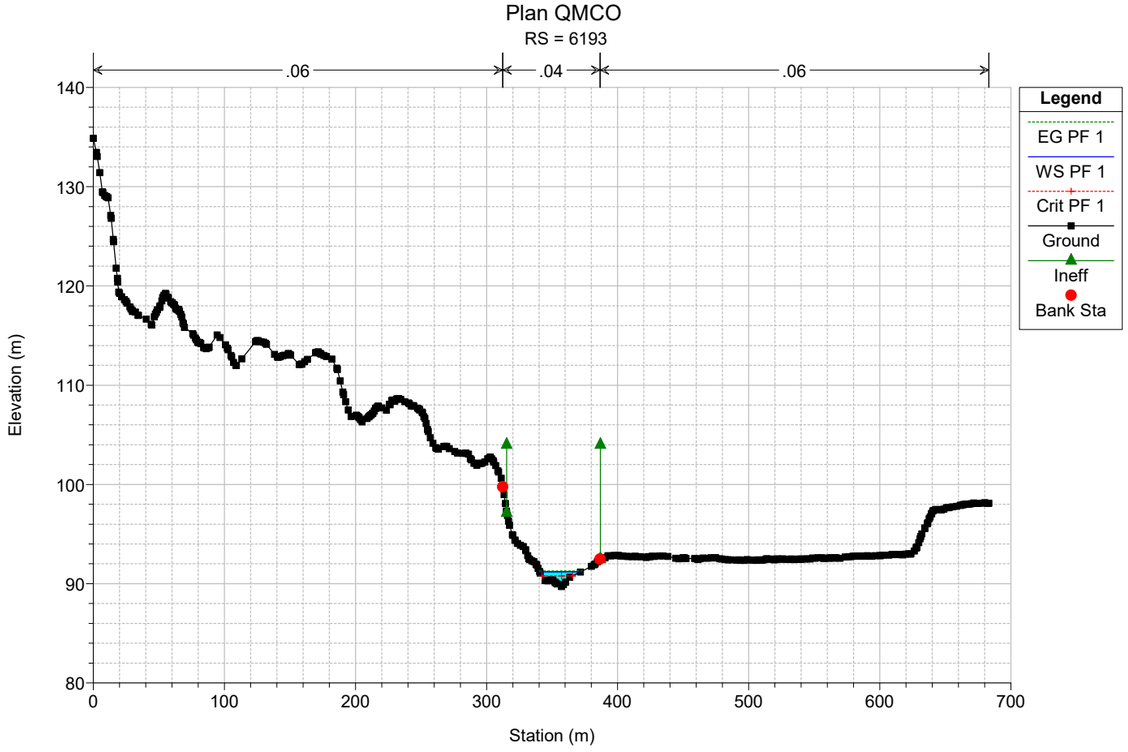

Plan QMCO
RS = 6394
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500
600

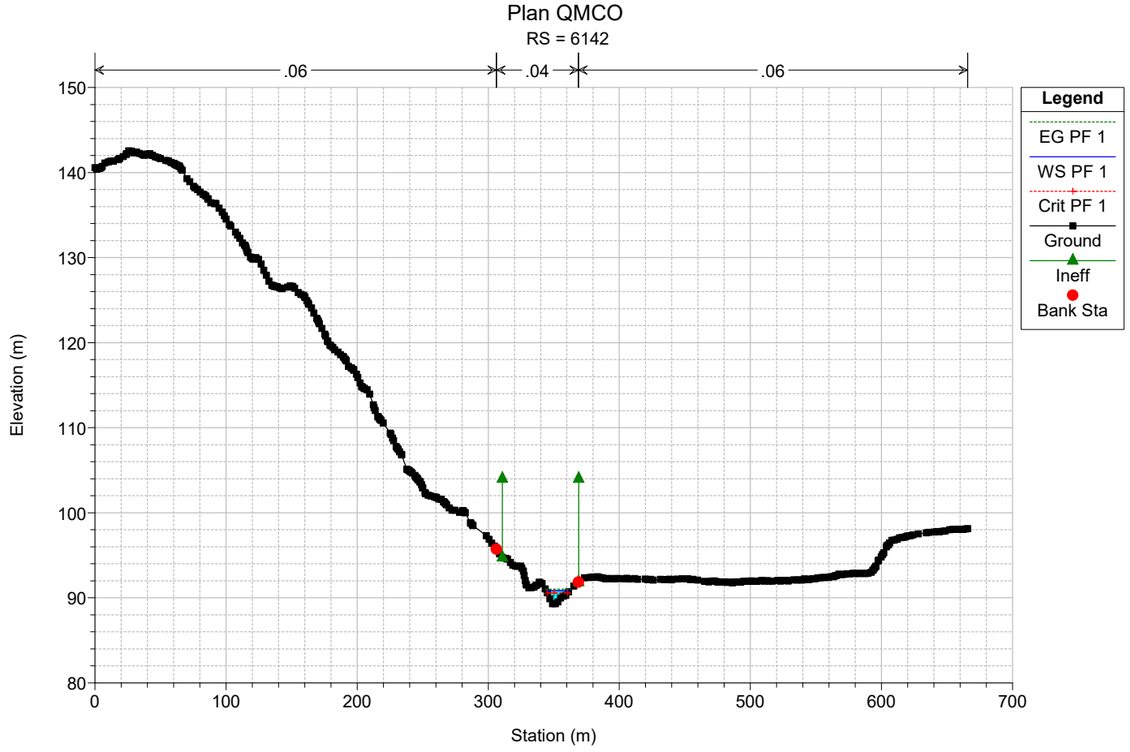

Plan QMCO
RS = 6364
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

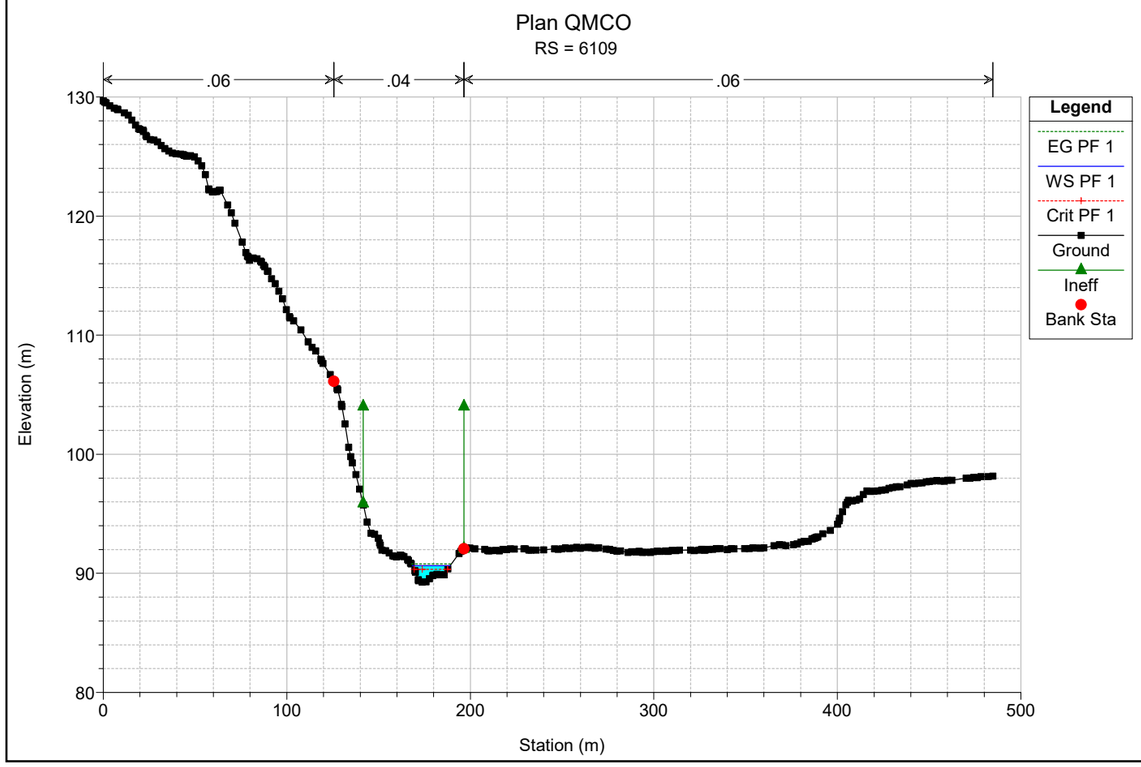

Plan QMCO
RS = 6330
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

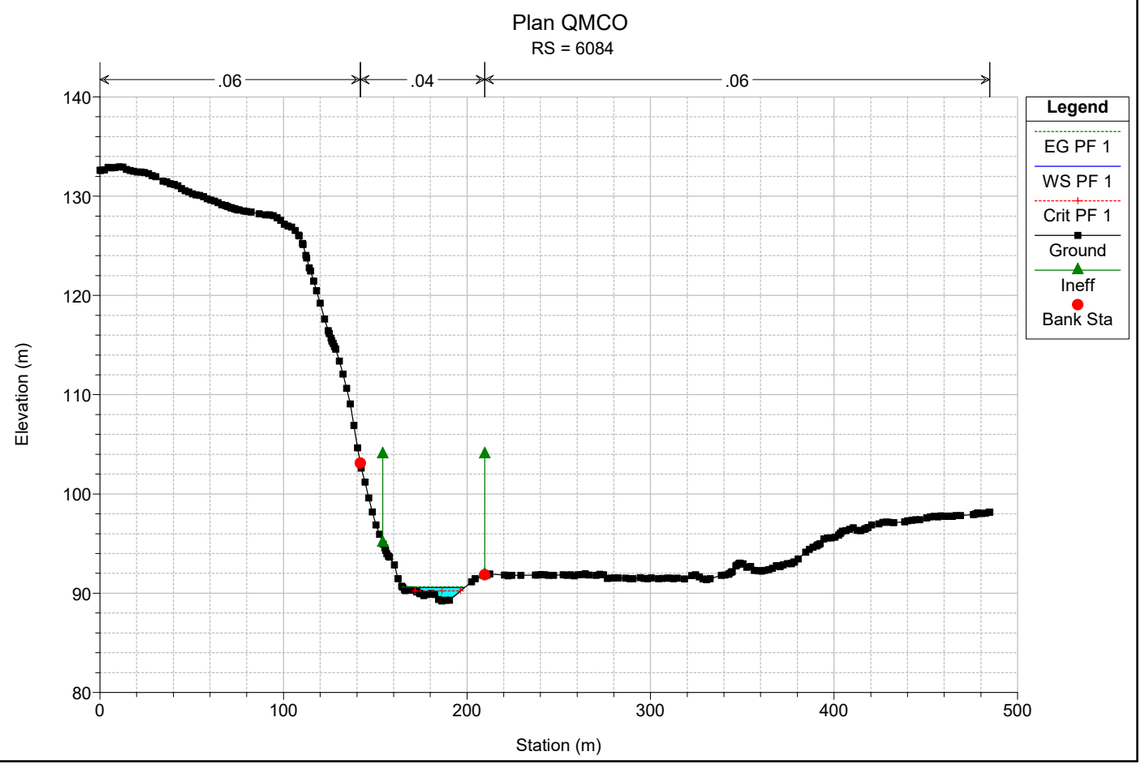

Plan QMCO
RS = 6292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

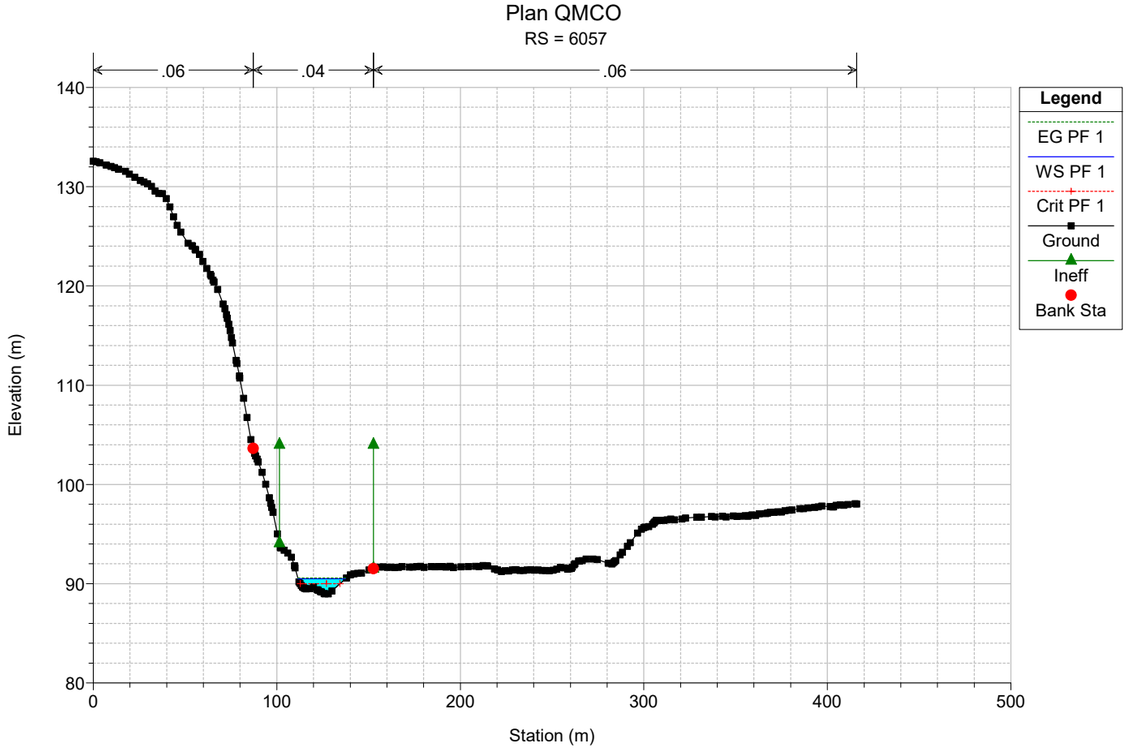

Plan QMCO
RS = 6243
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
0
100
200
300
400
500
600

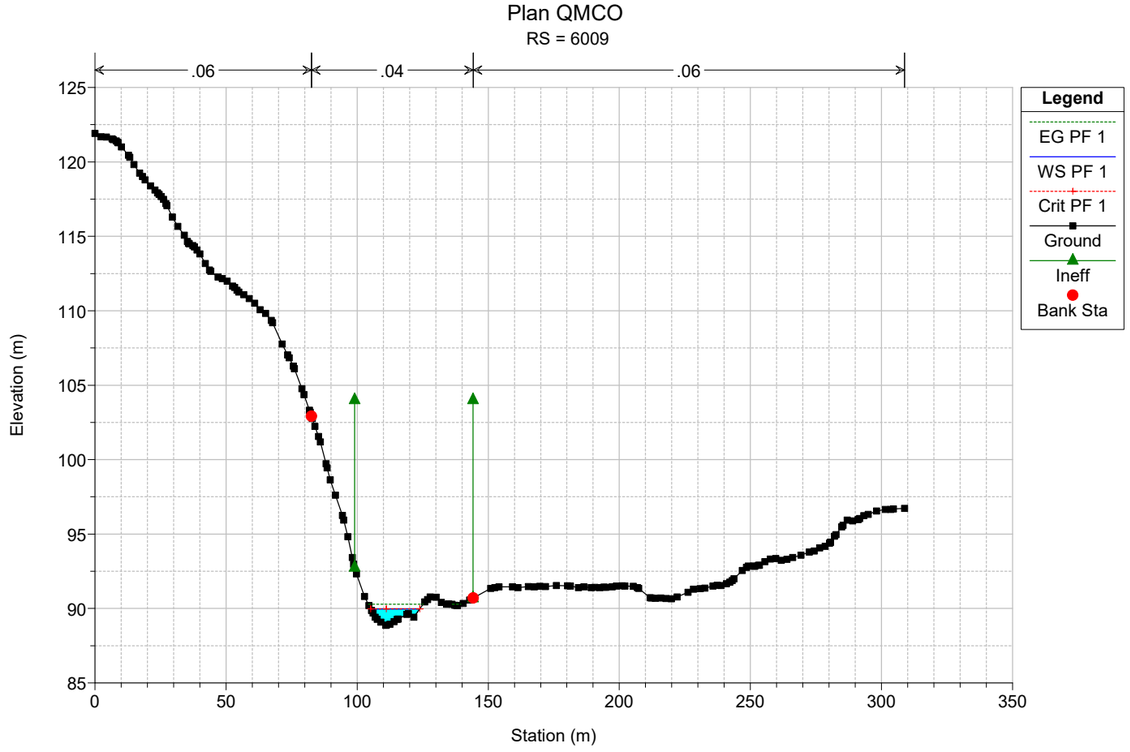

Plan QMCO
RS = 6193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

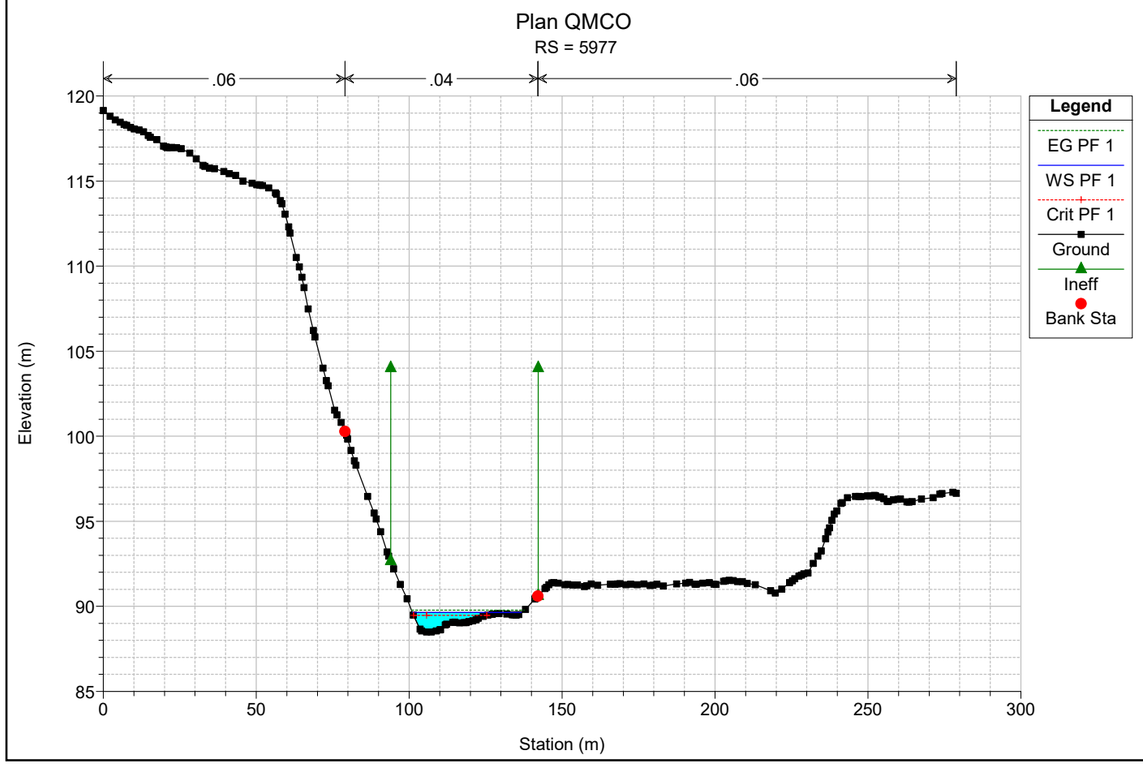

Plan QMCO
RS = 6142
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

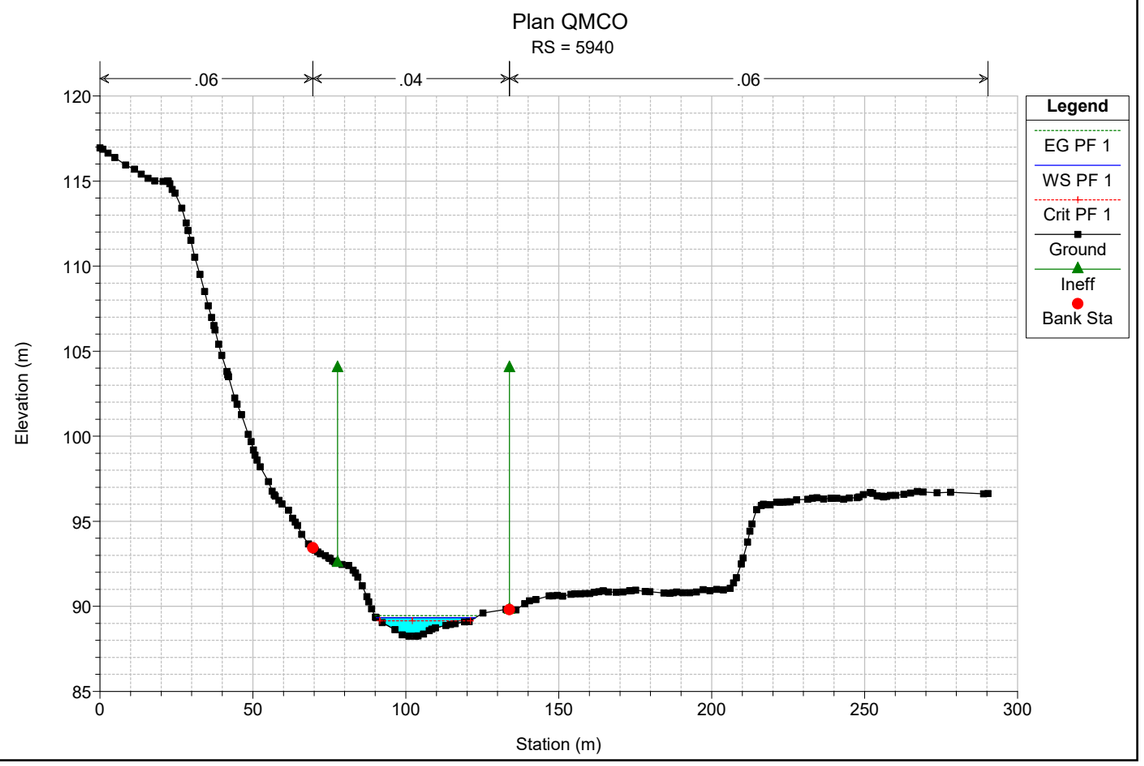

Plan QMCO
RS = 6109
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

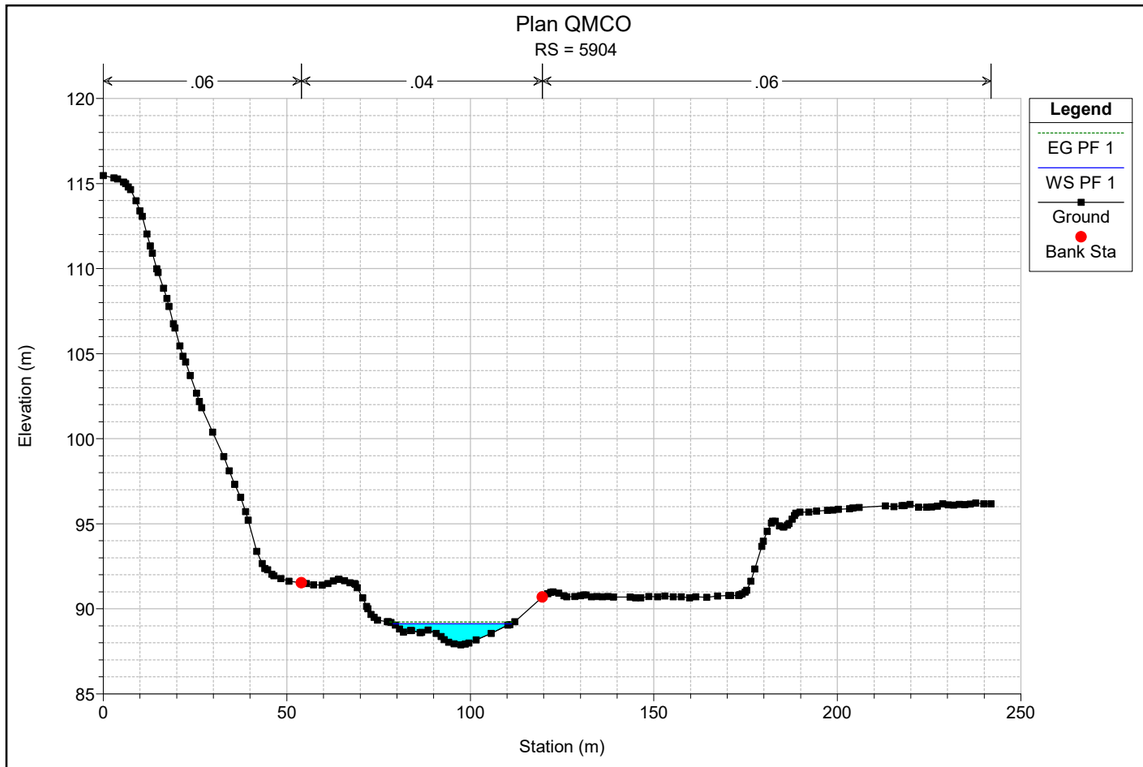

Plan QMCO
RS = 6084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

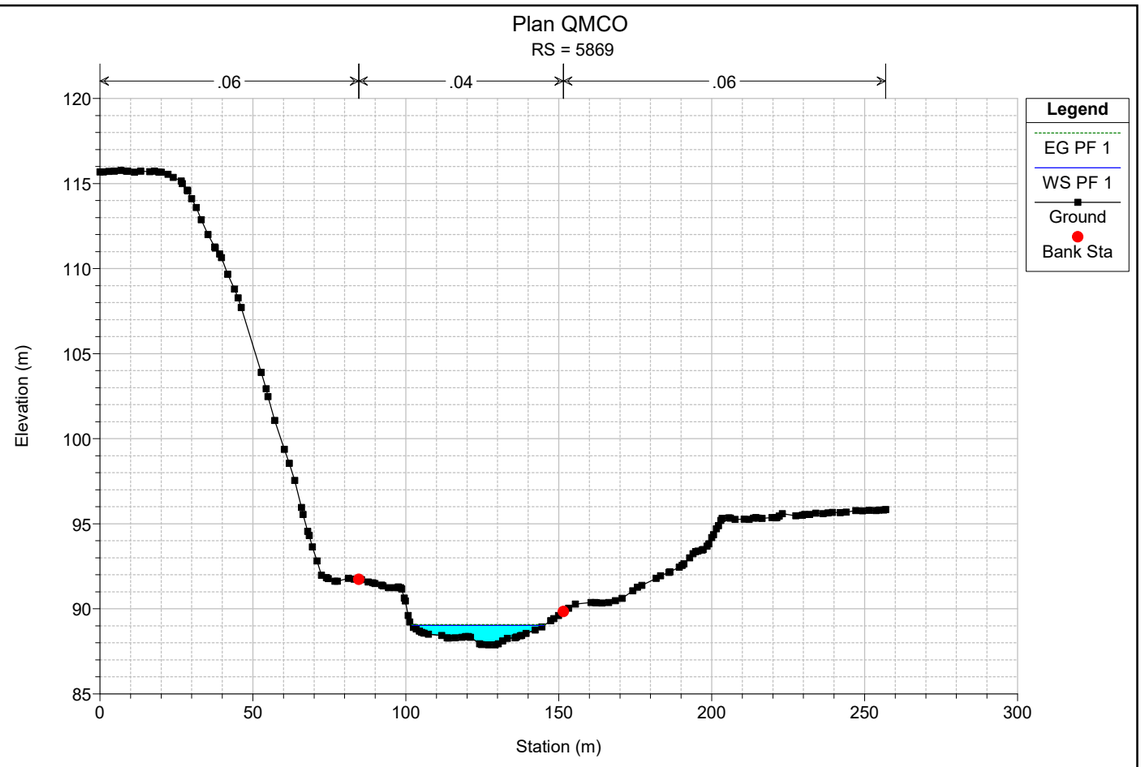

Plan QMCO
RS = 6057
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
80
0
100
200
300
400
500

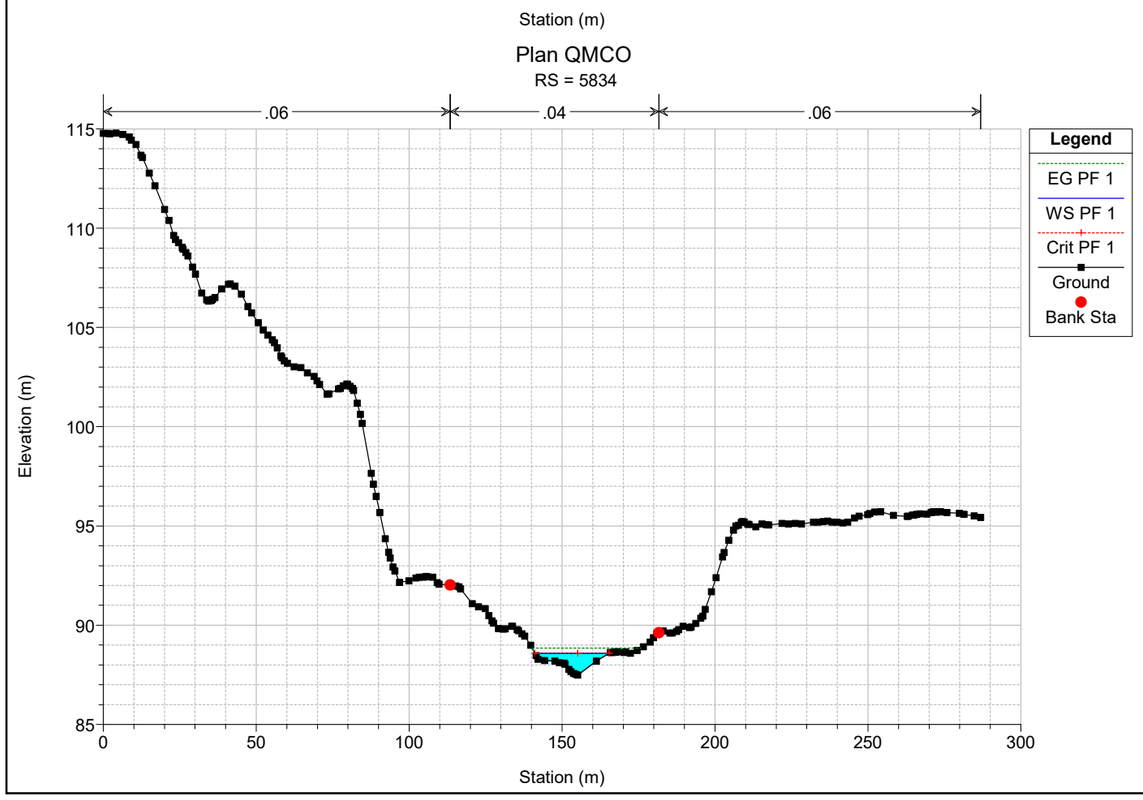

Plan QMCO
RS = 6009
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
125
120
115
110
105
100
95
90
85
0
50
100
150
200
250
300
350

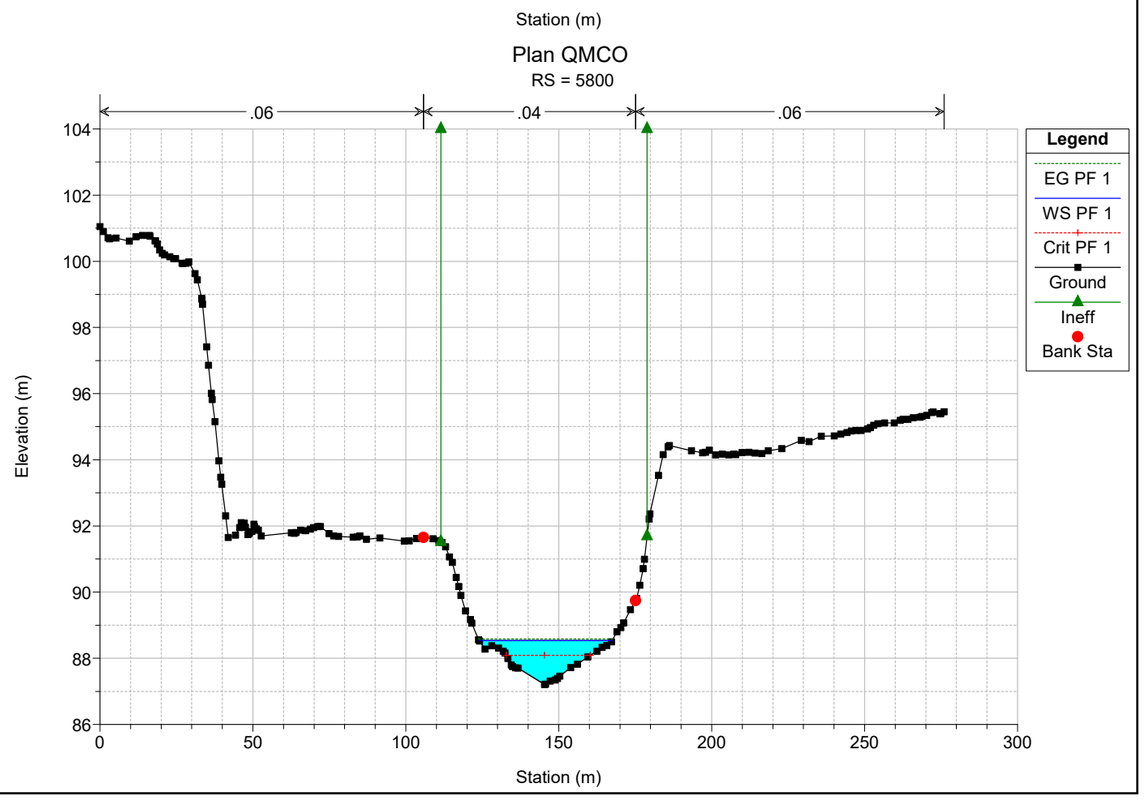

Plan QMCO
RS = 5977
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
85
0
50
100
150
200
250
300

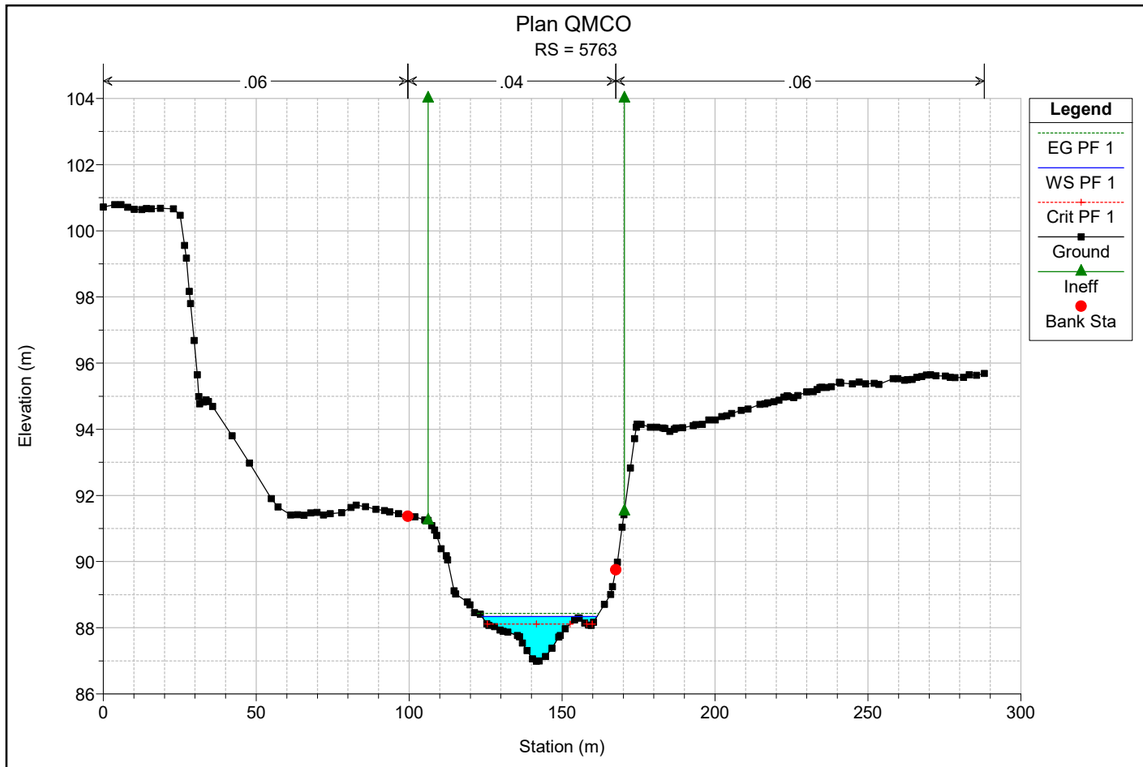

Plan QMCO
RS = 5940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
85
0
50
100
150
200
250
300

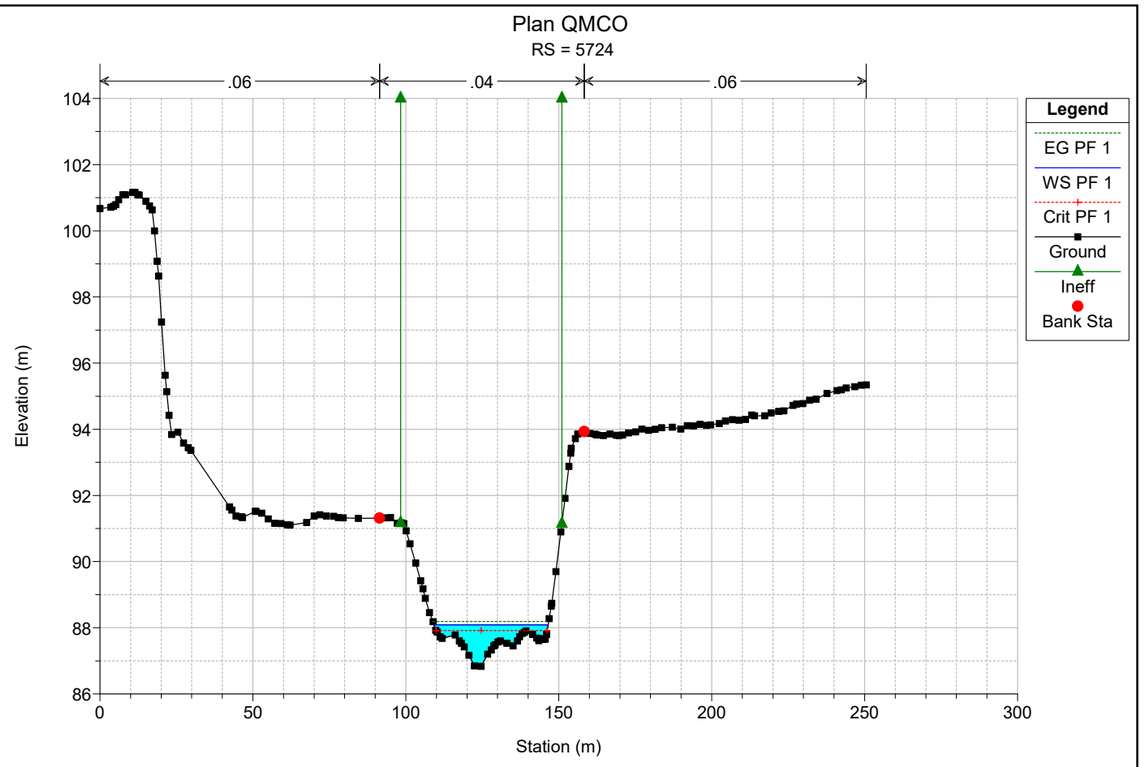

Plan QMCO
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

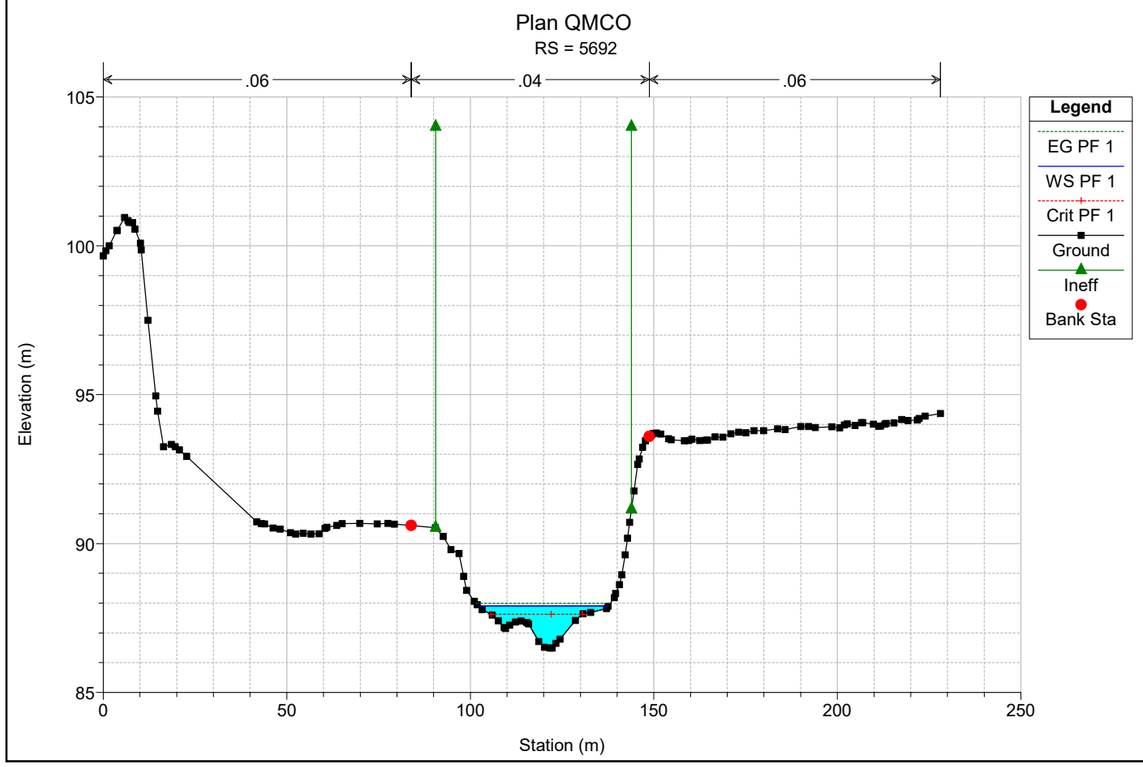

Plan QMCO
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

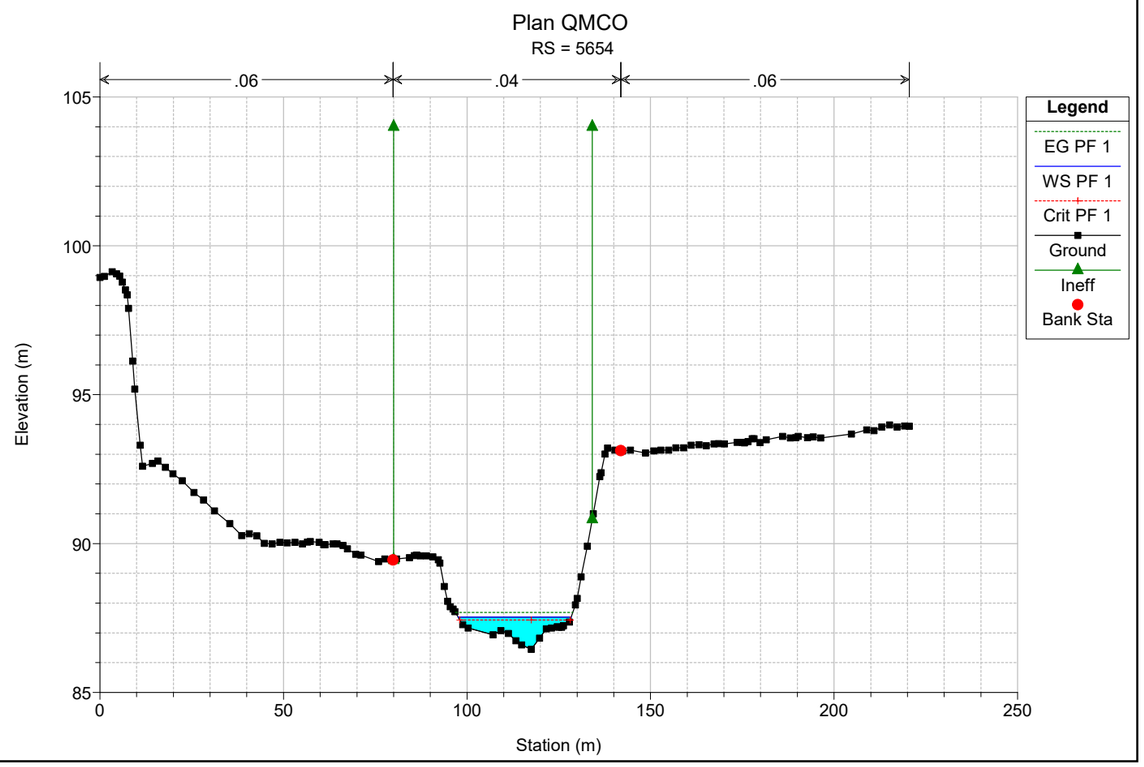

Plan QMCO
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

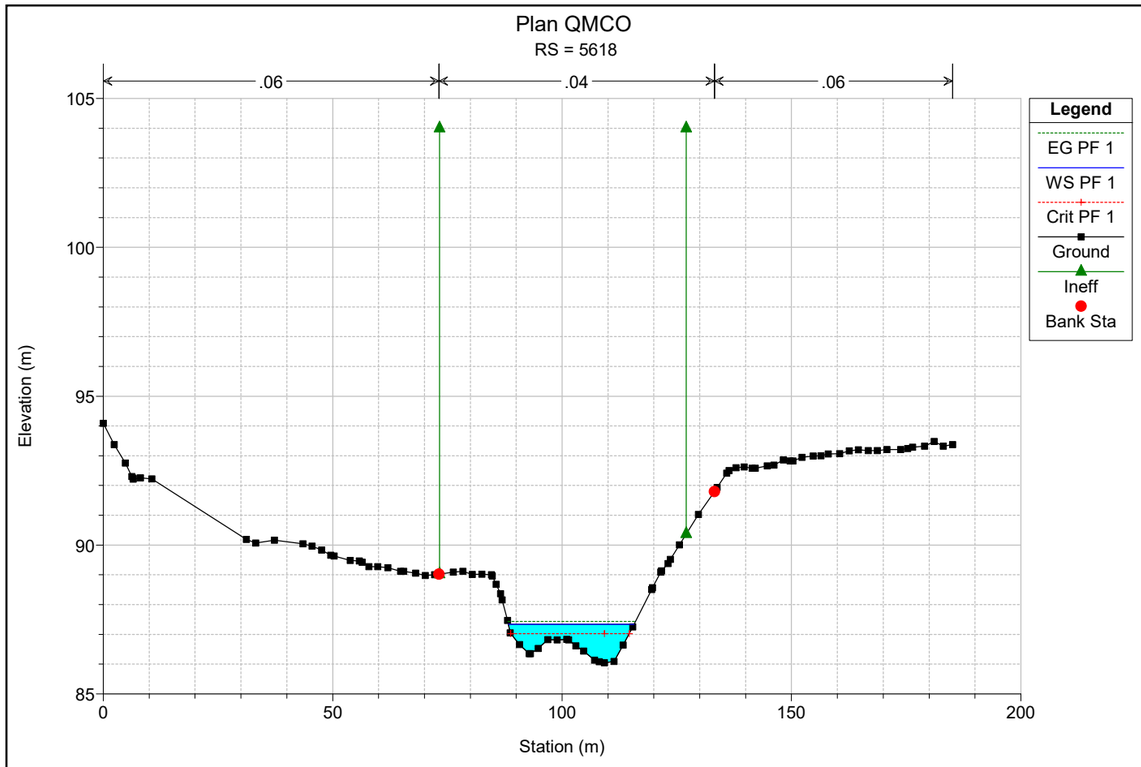

Plan QMCO
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

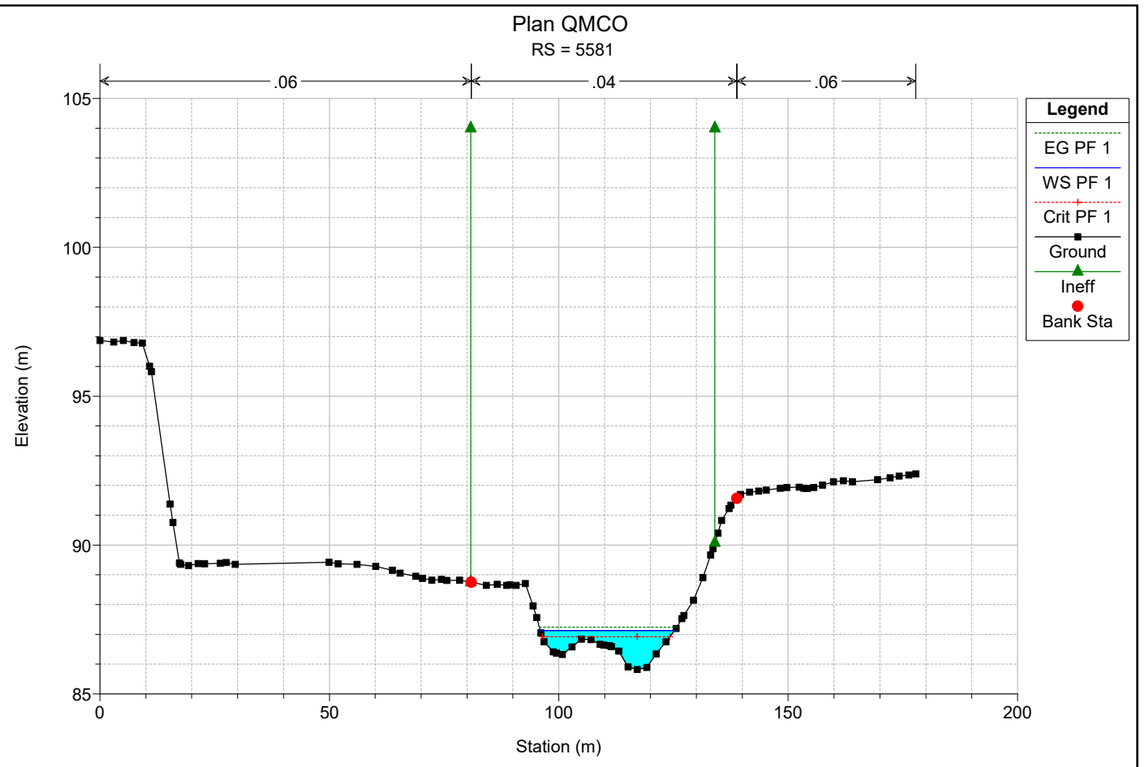

Plan QMCO
RS = 5763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

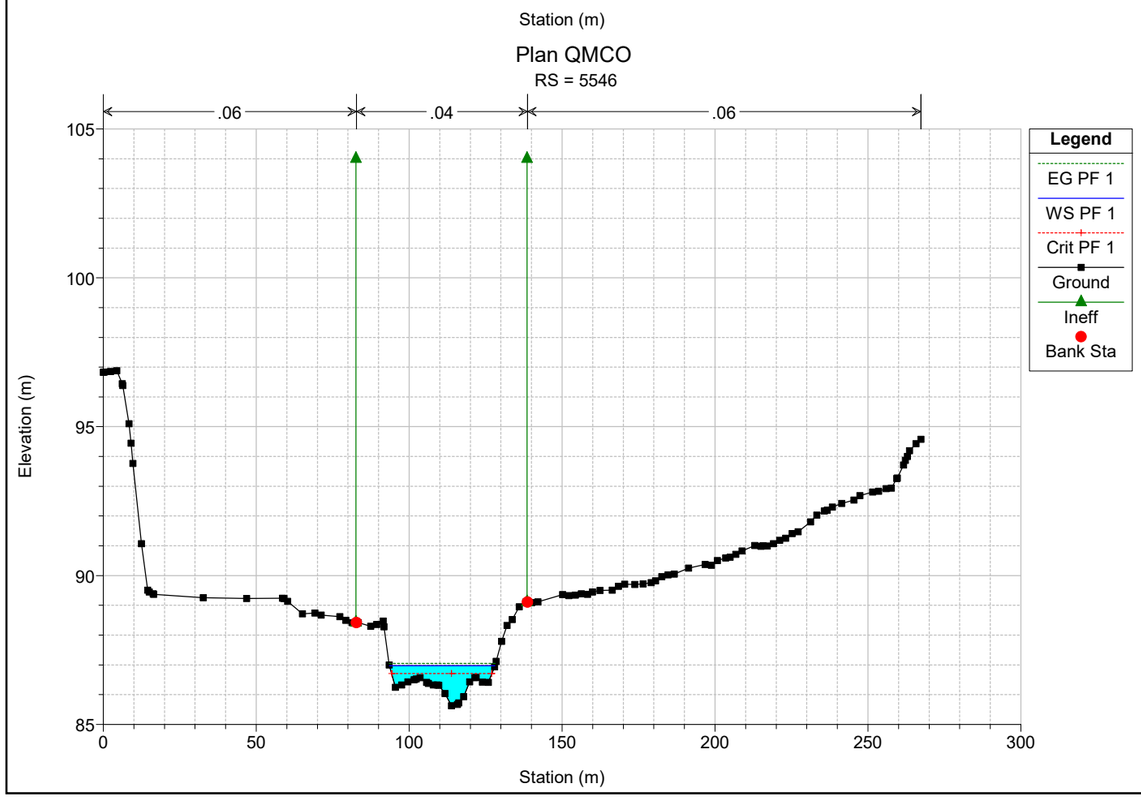

Plan QMCO
RS = 5724
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

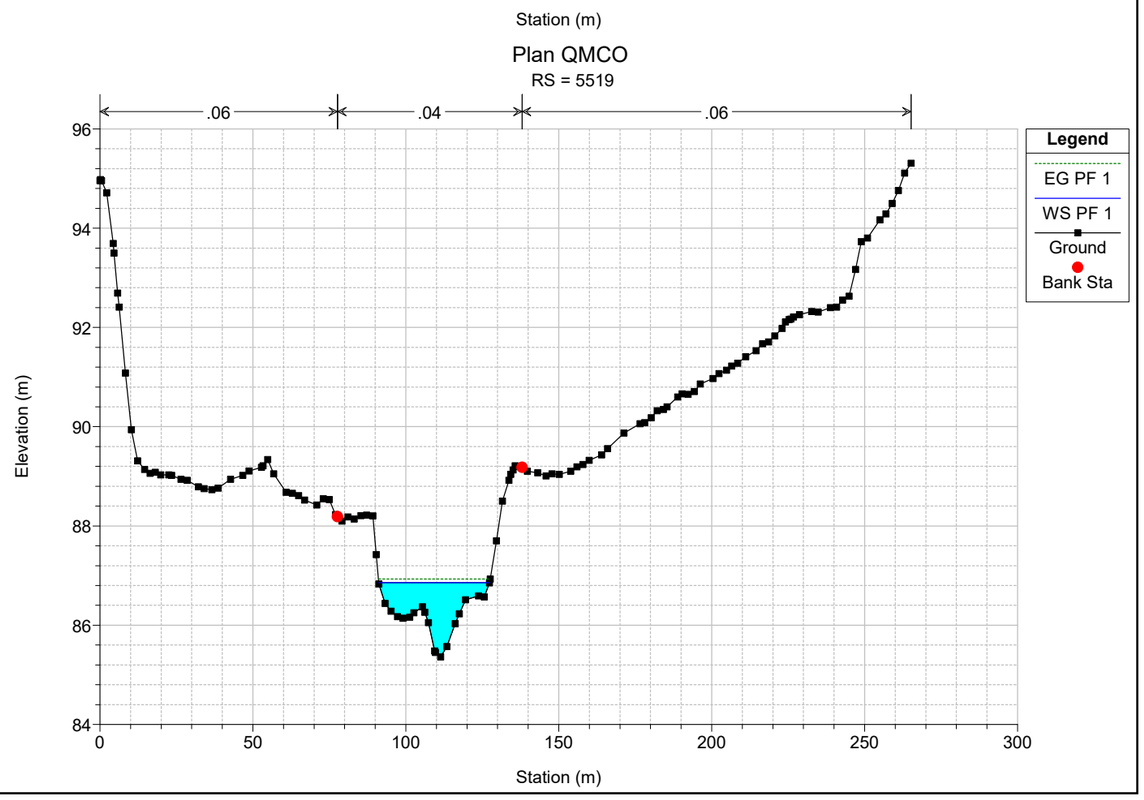

Plan QMCO
RS = 5692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

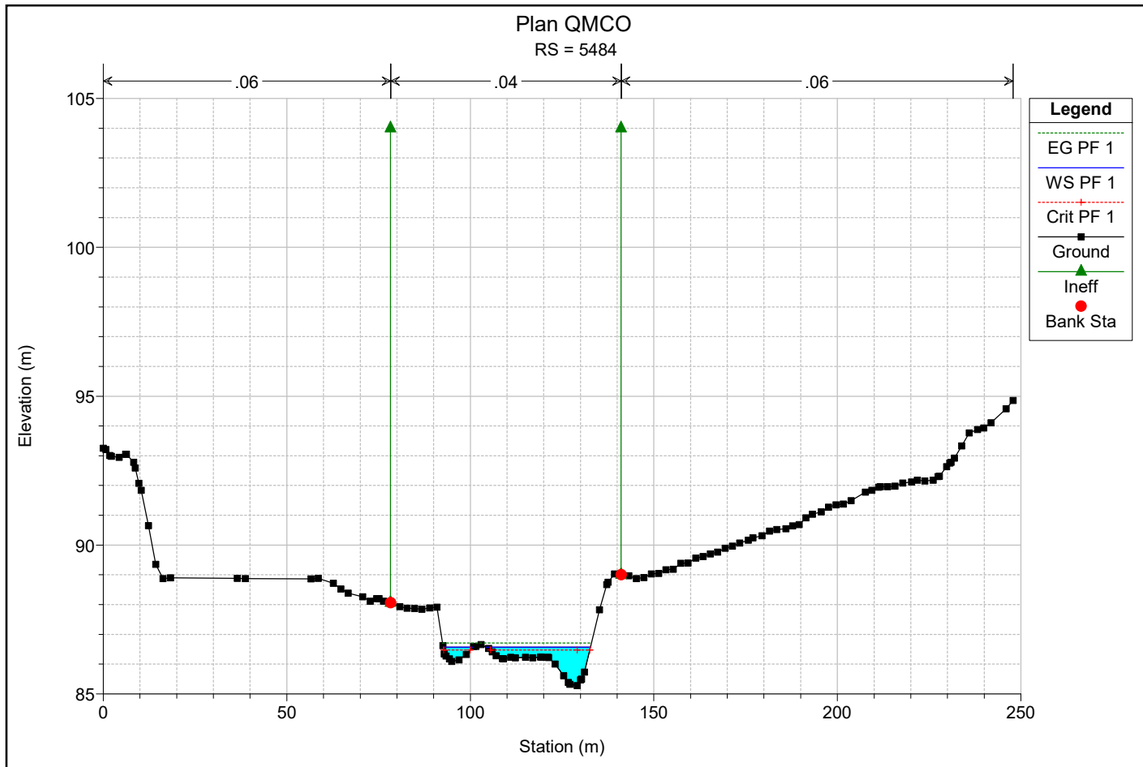

Plan QMCO
RS = 5654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

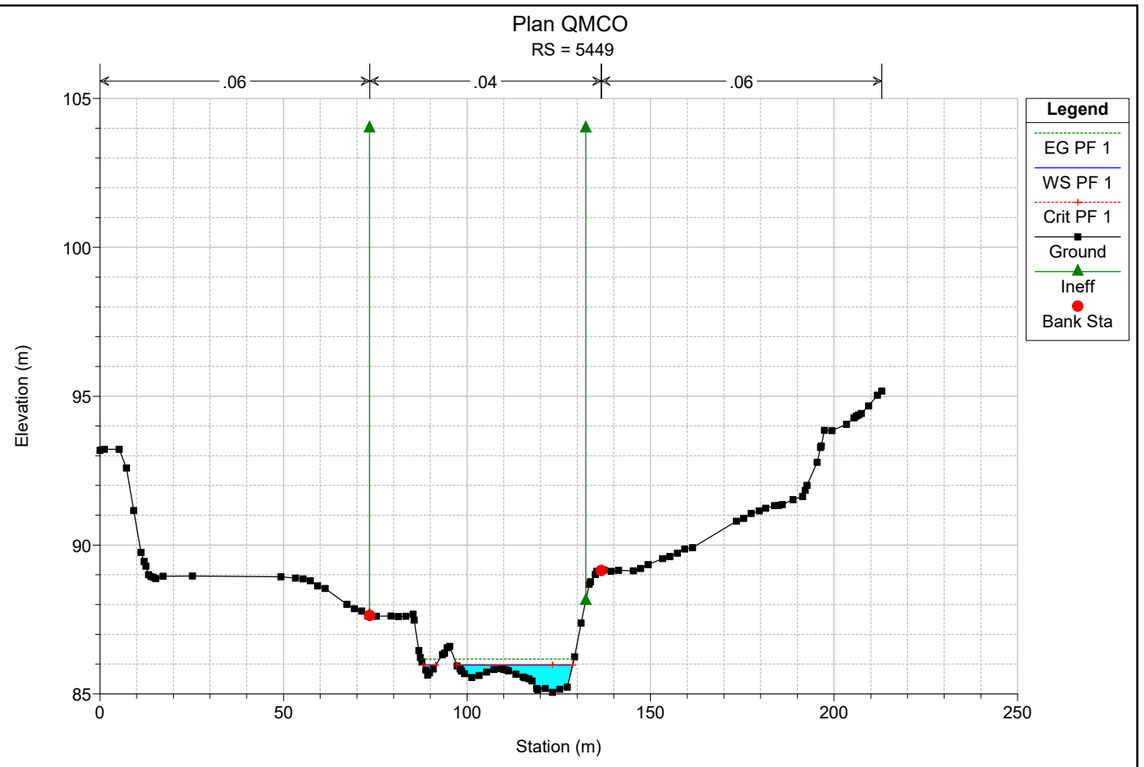

Plan QMCO
RS = 5618
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

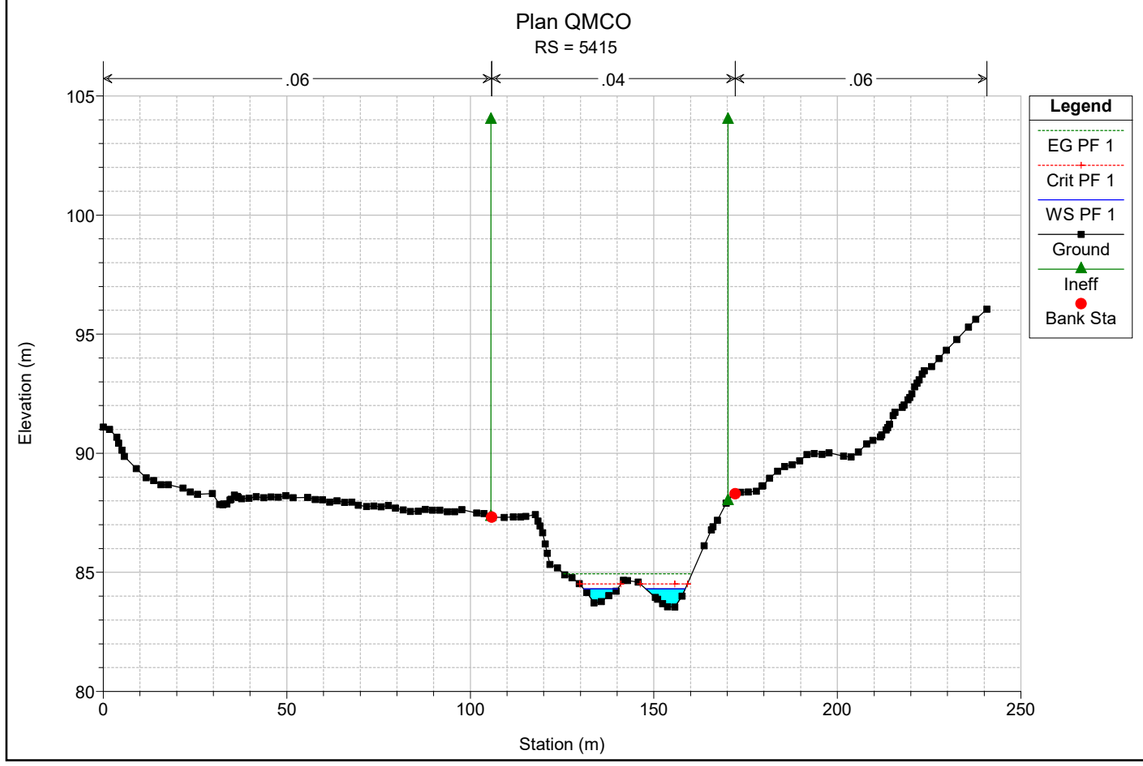

Plan QMCO
RS = 5581
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

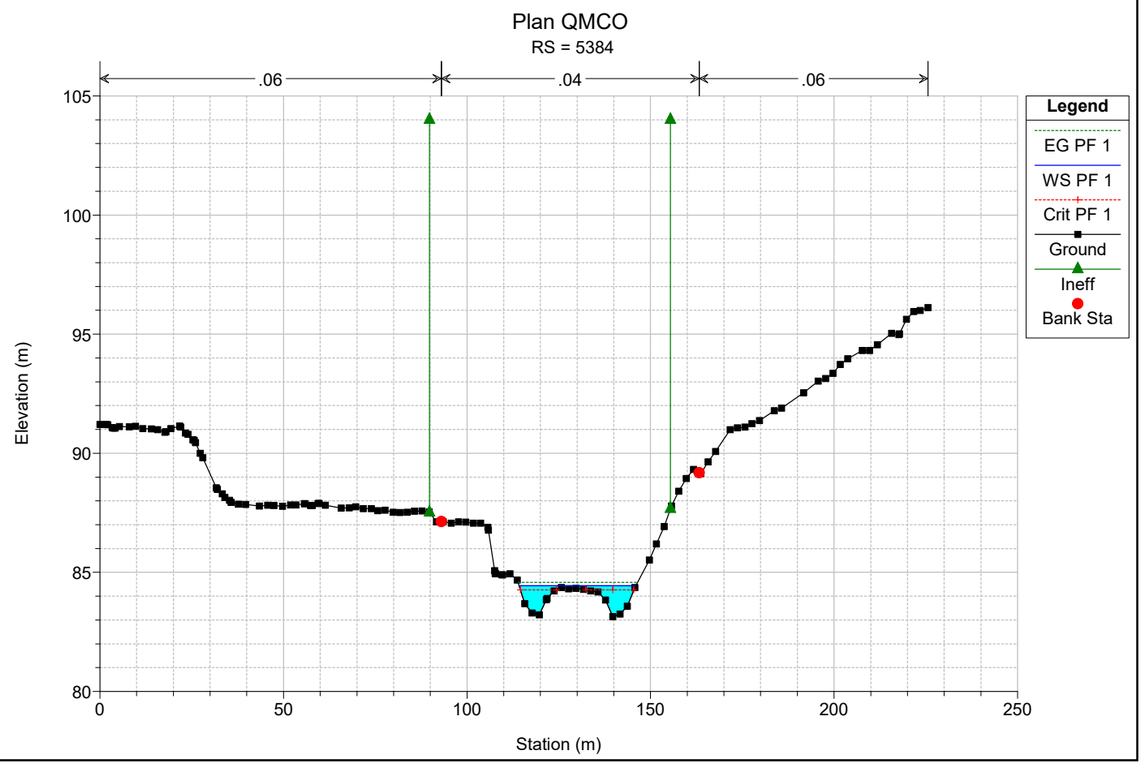

Plan QMCO
RS = 5546
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

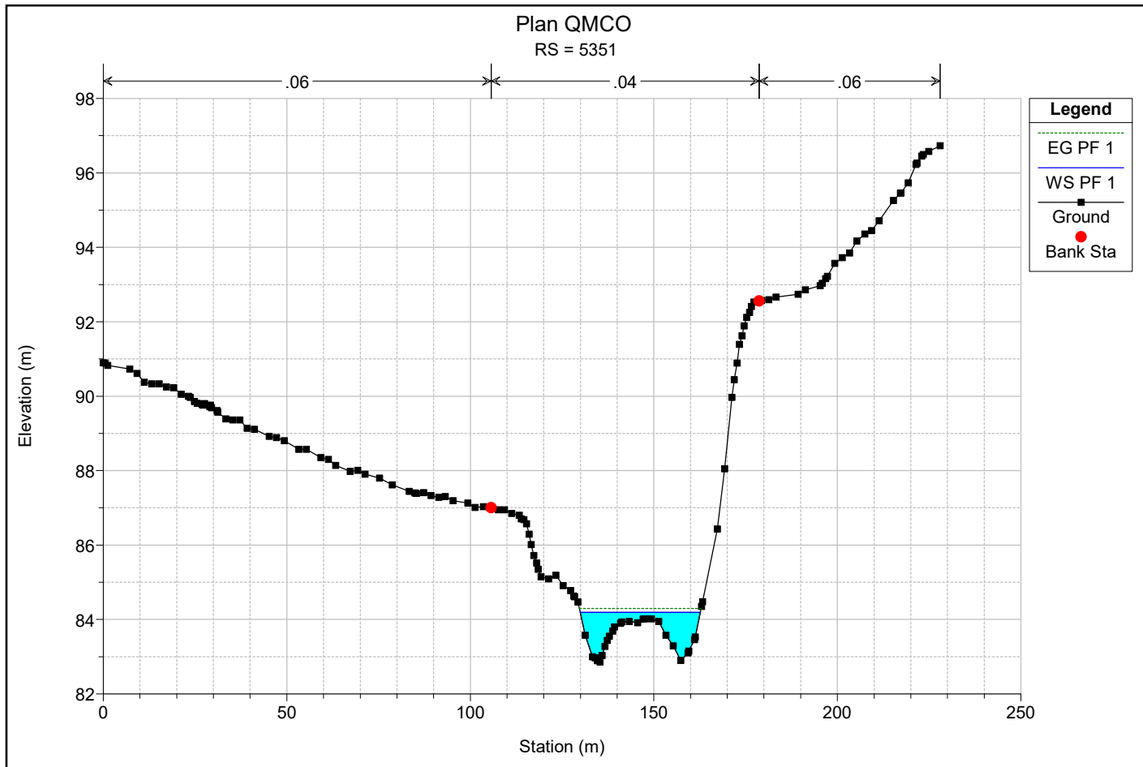

Plan QMCO
RS = 5519
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

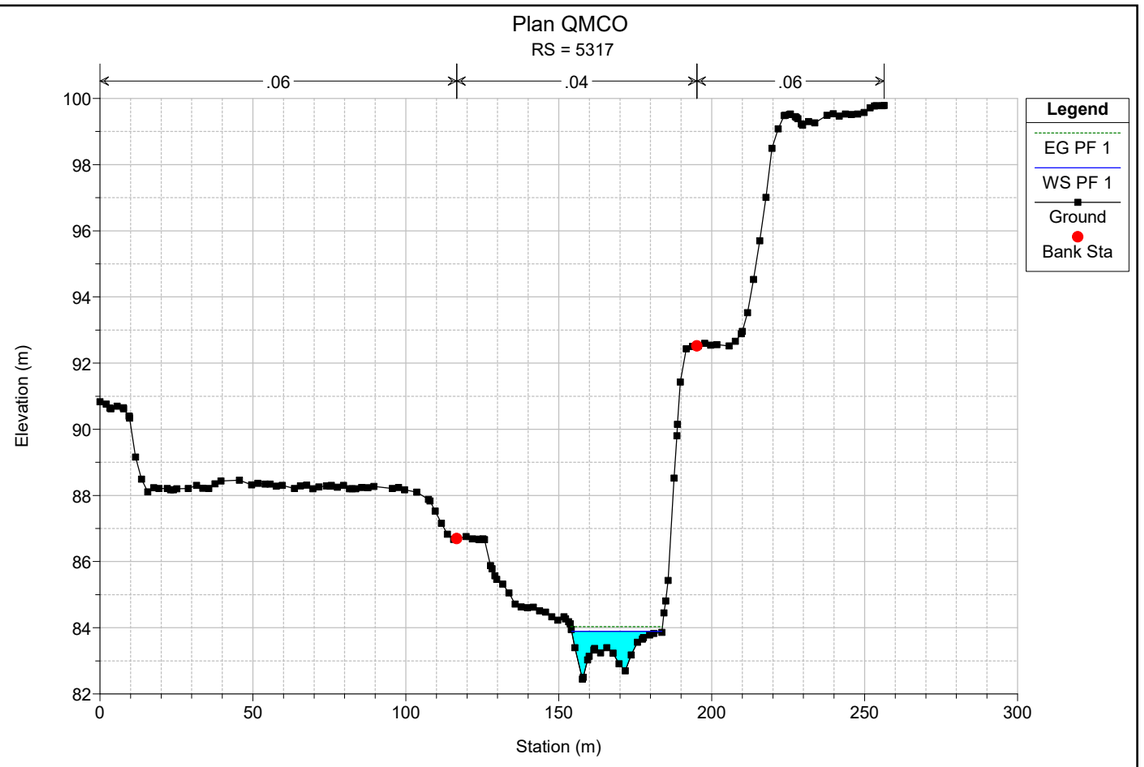

Plan QMCO
RS = 5484
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

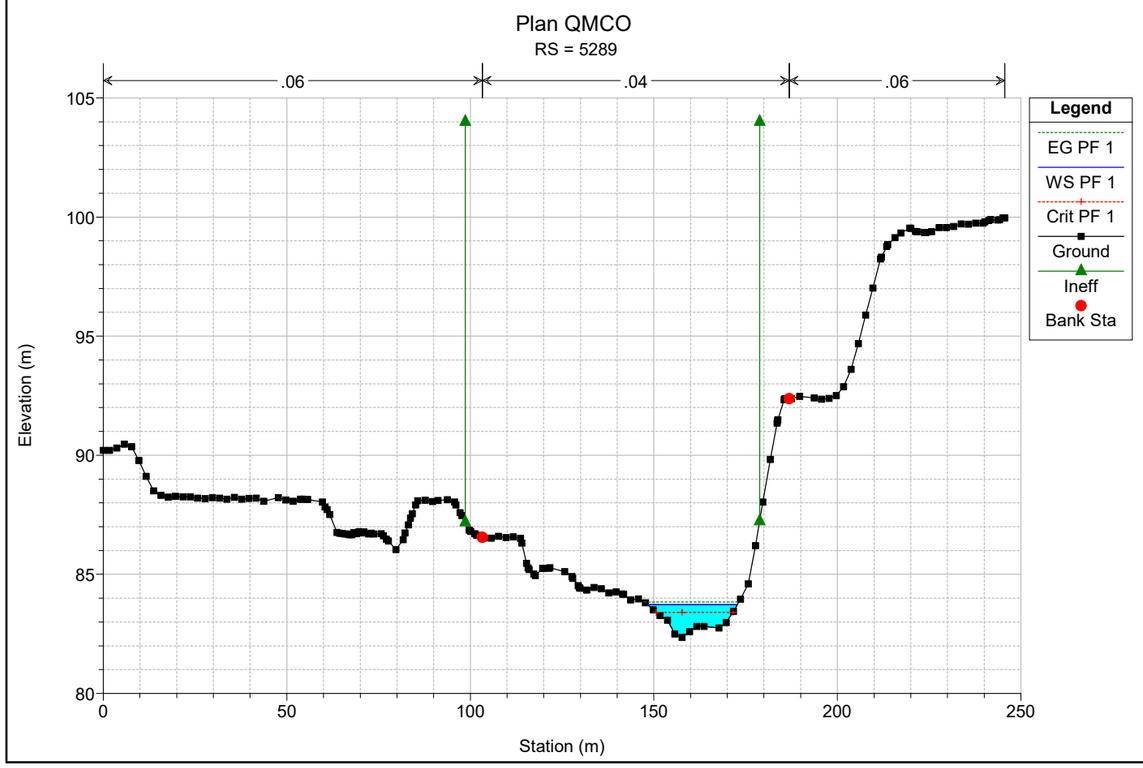

Plan QMCO
RS = 5449
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

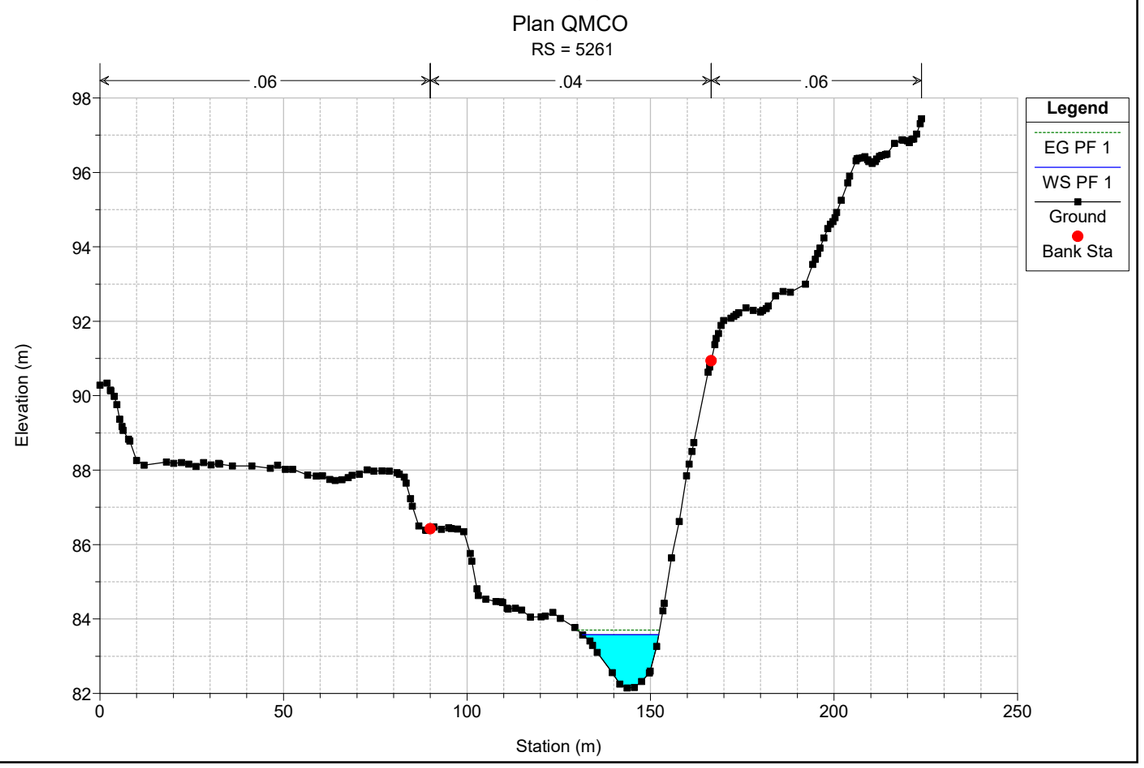

Plan QMCO
RS = 5415
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

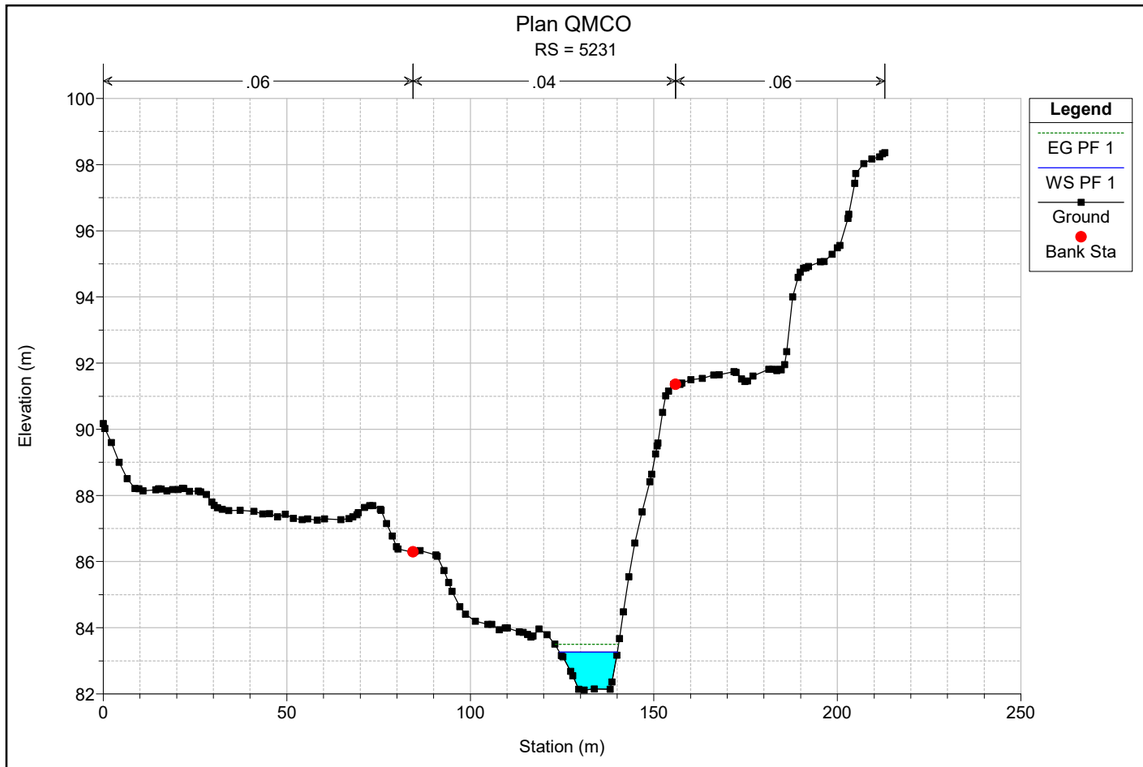

Plan QMCO
RS = 5384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

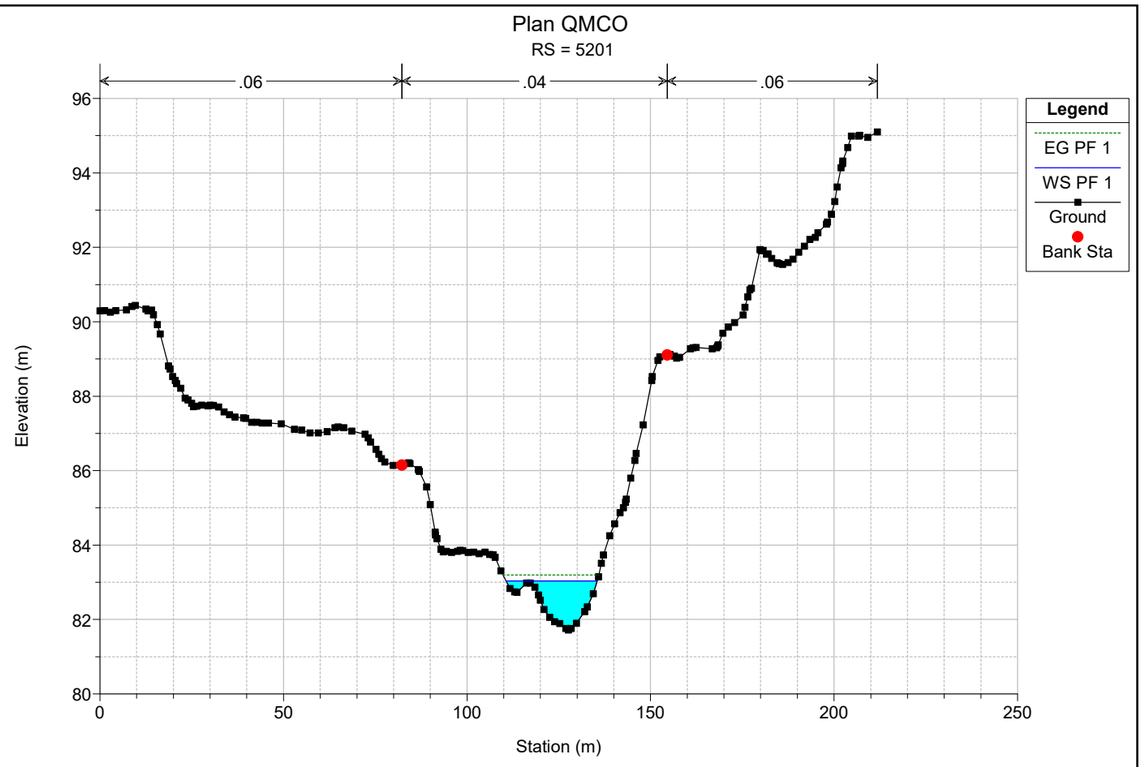

Plan QMCO
RS = 5351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

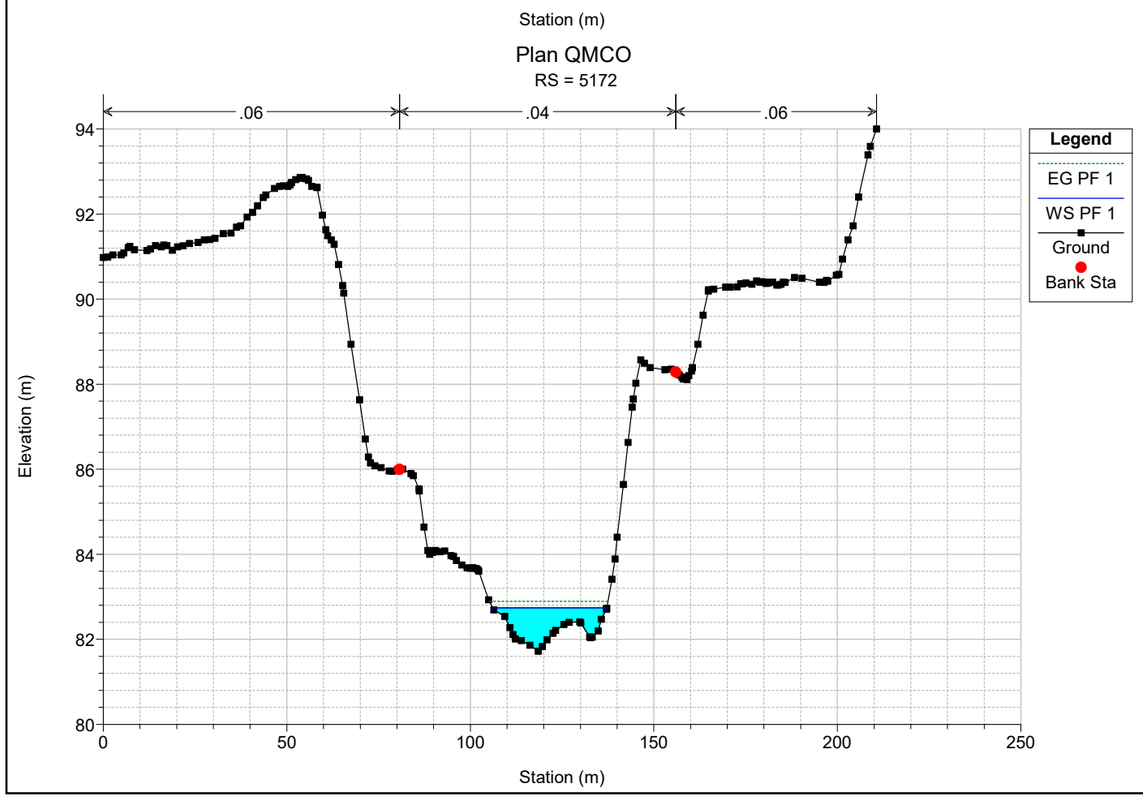

Plan QMCO
RS = 5317
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

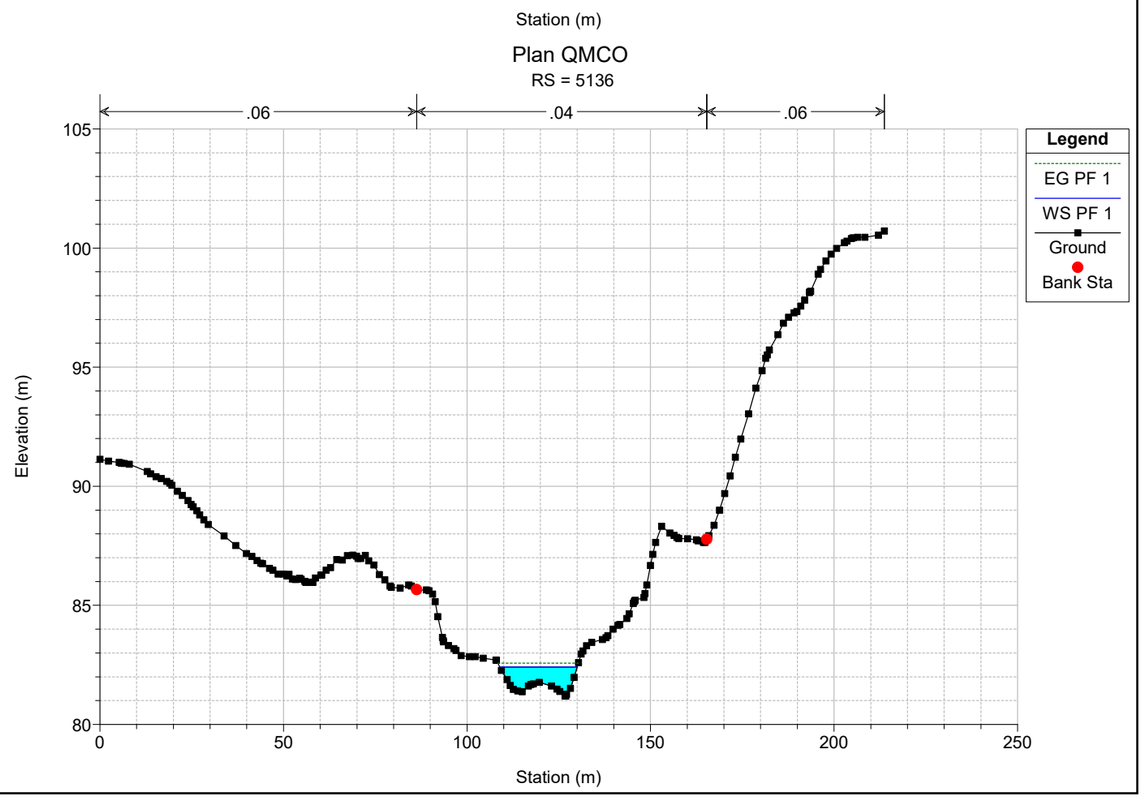

Plan QMCO
RS = 5289
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

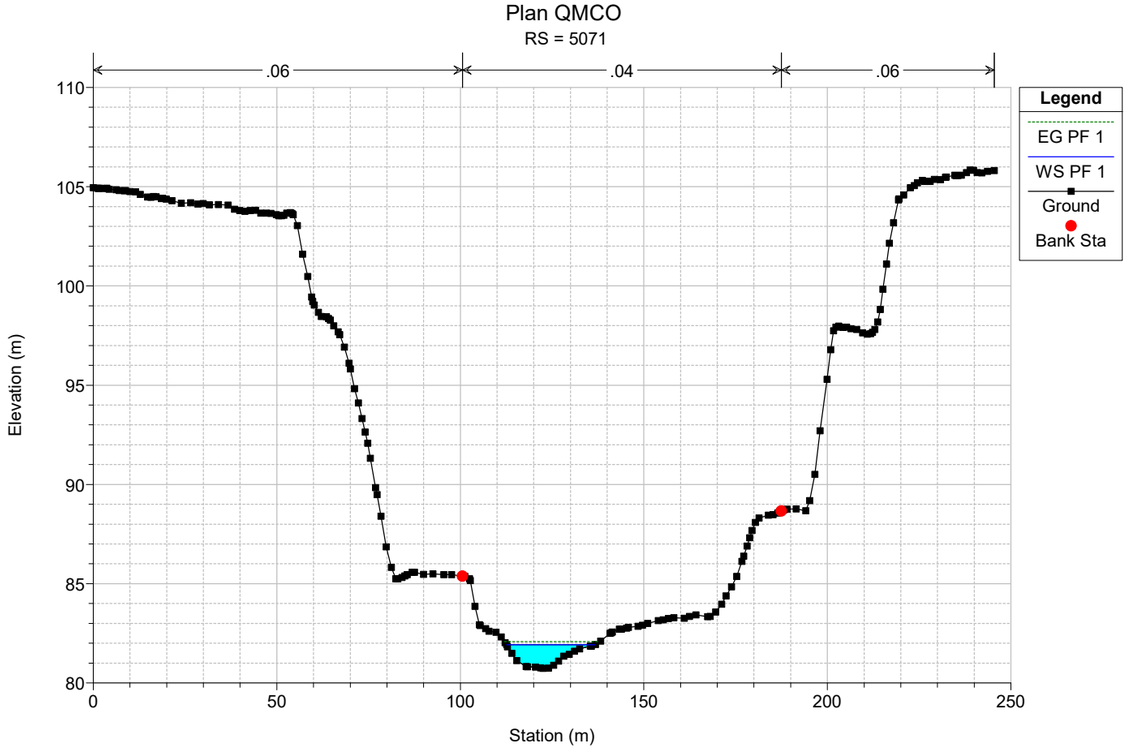

Plan QMCO
RS = 5261
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

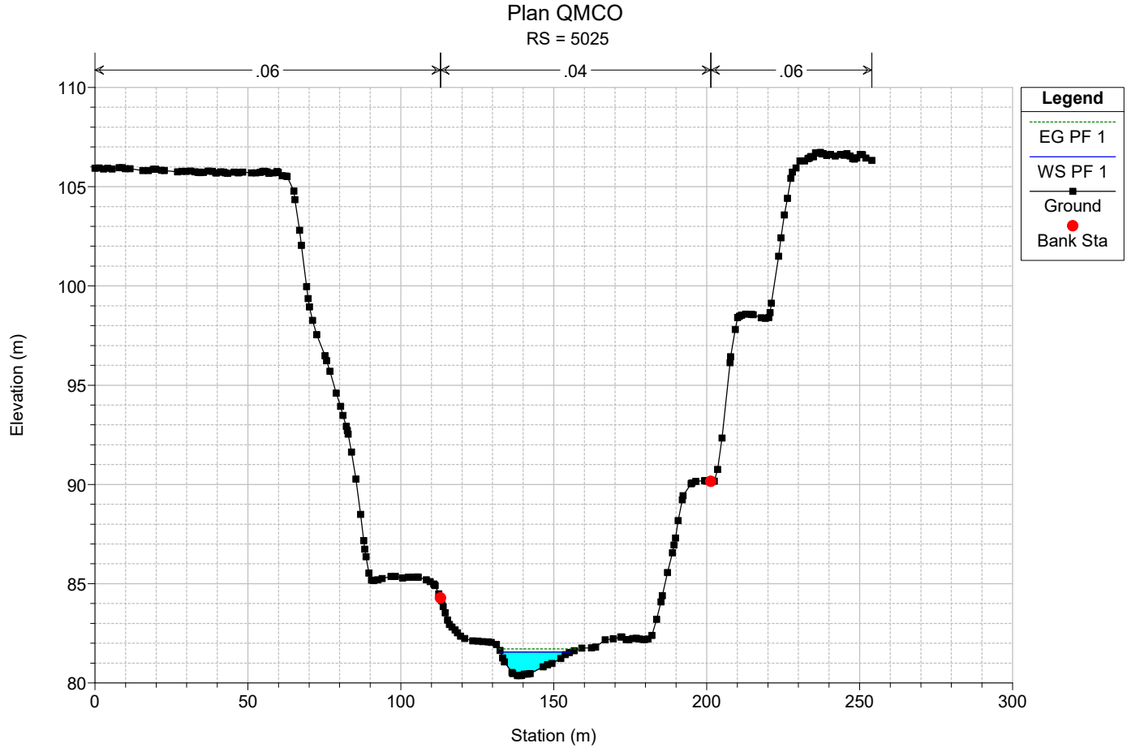

Plan QMCO
RS = 5231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

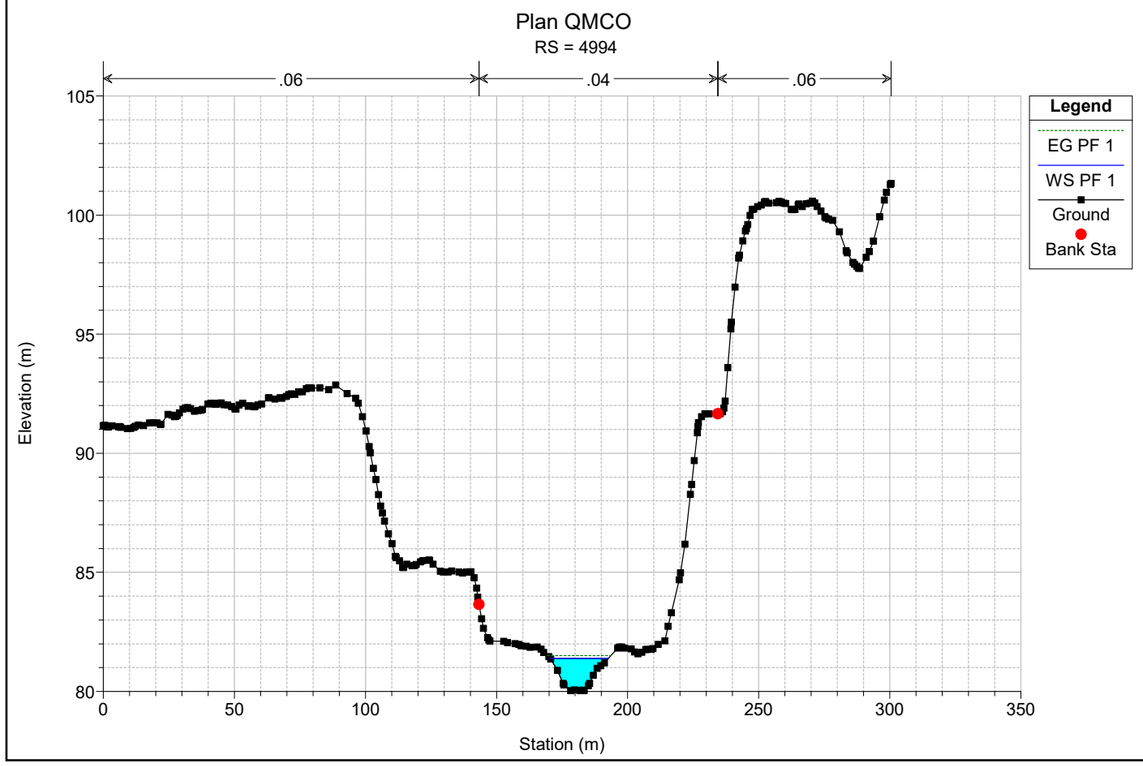

Plan QMCO
RS = 5201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

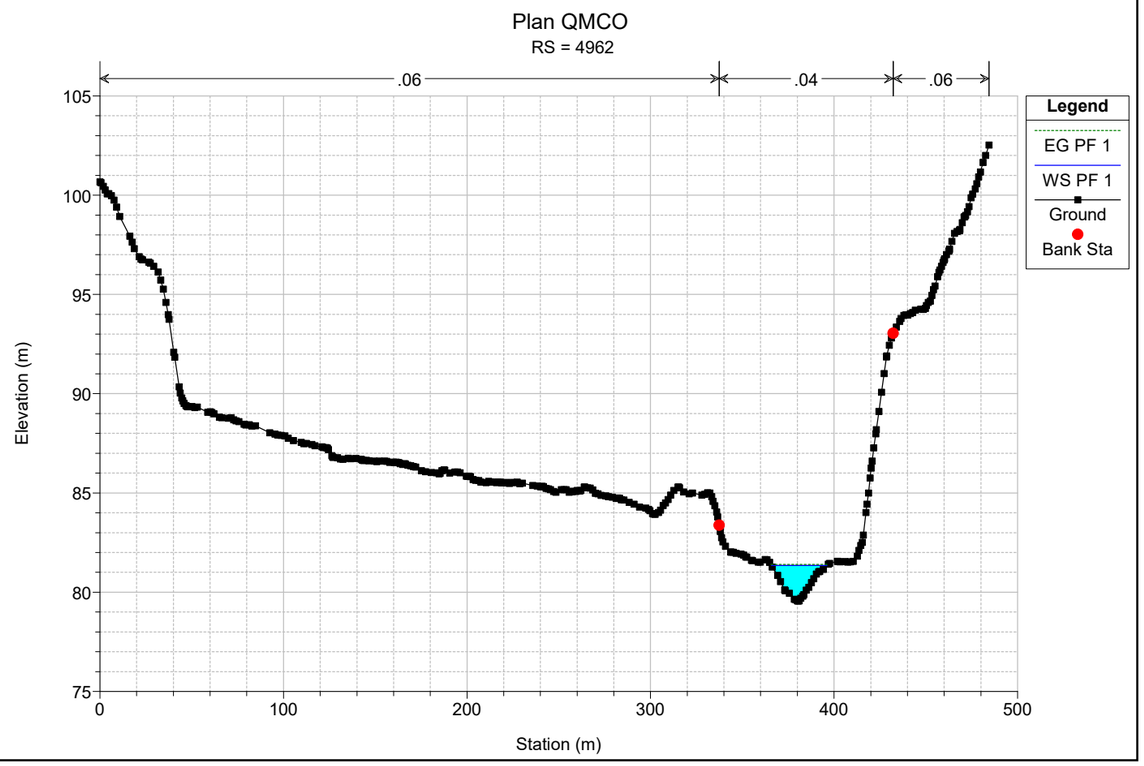

Plan QMCO
RS = 5172
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

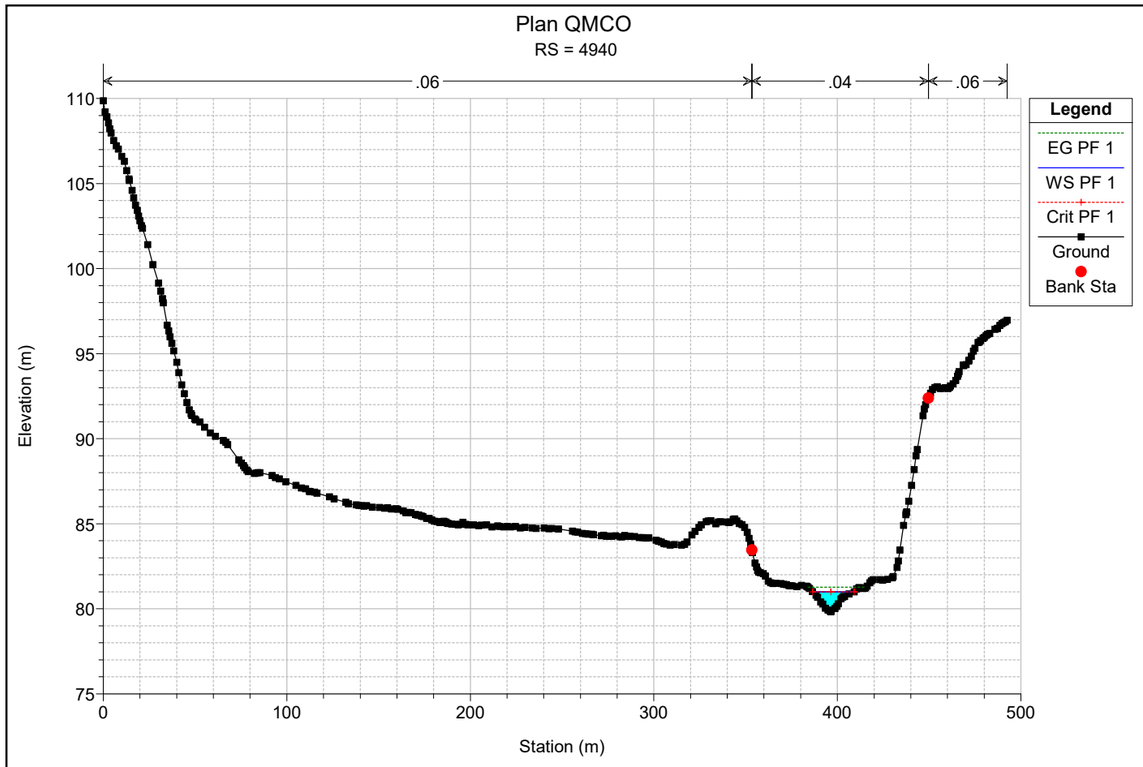

Plan QMCO
RS = 5136
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

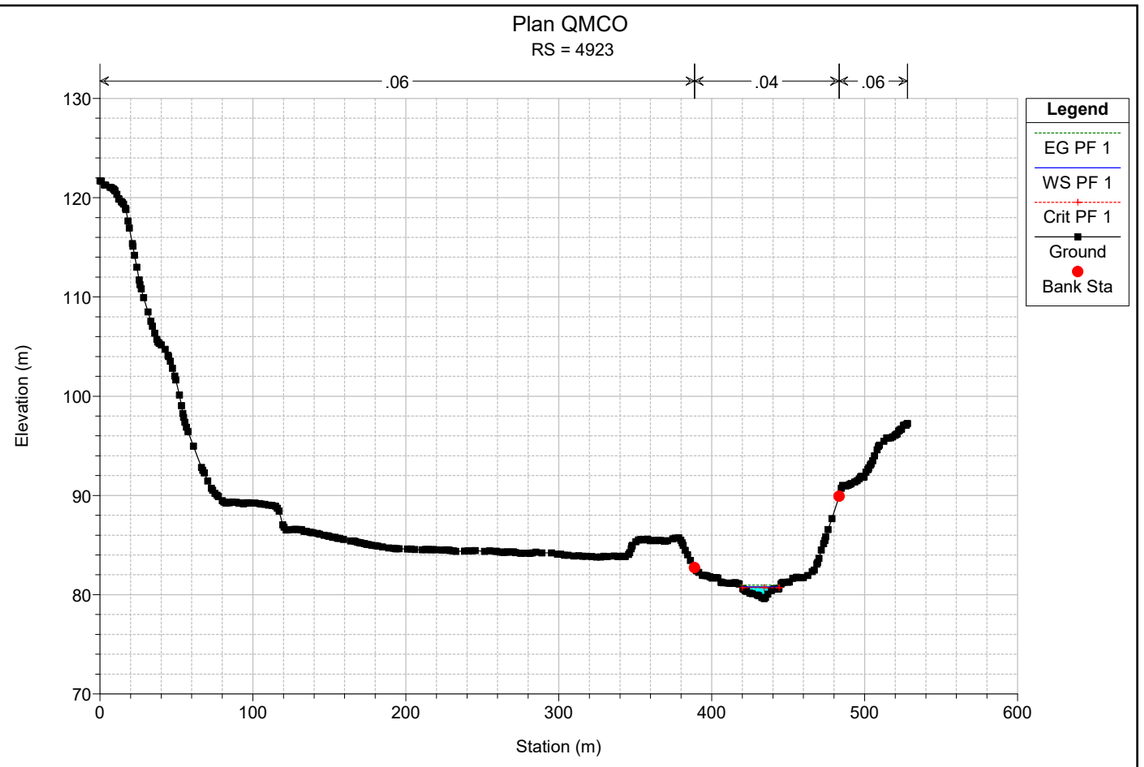

Plan QMCO
RS = 5071
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
0
50
100
150
200
250

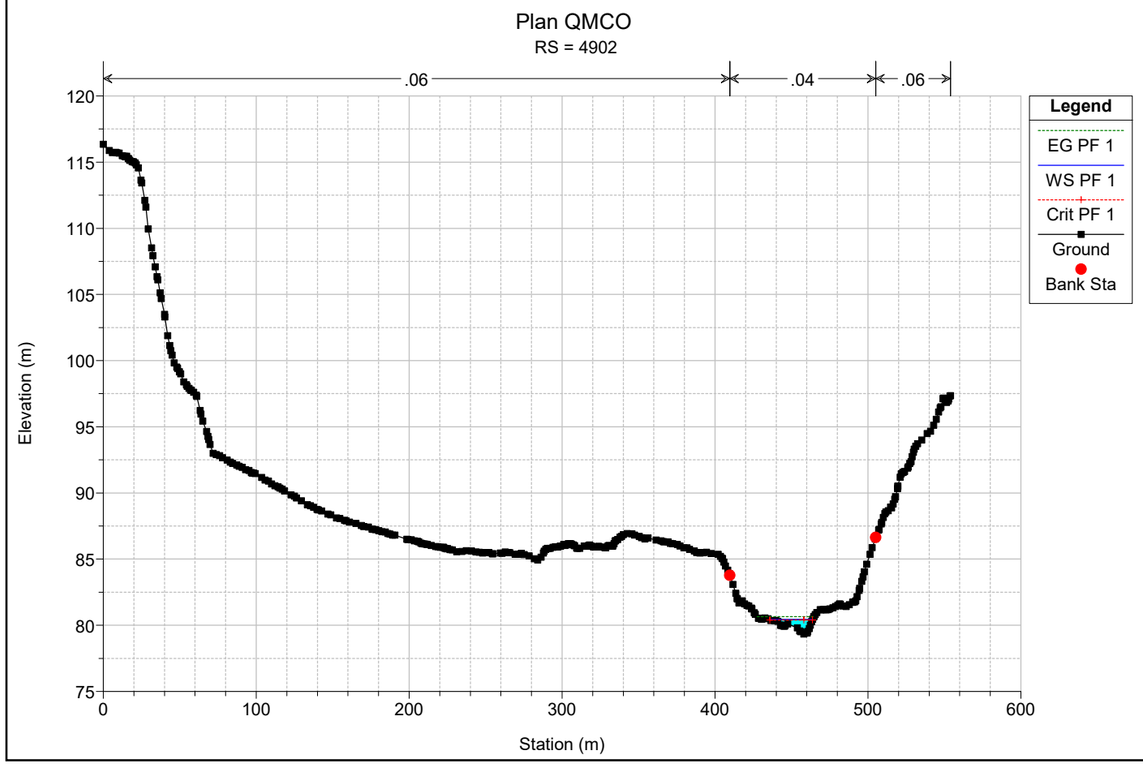

Plan QMCO
RS = 5025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
0
50
100
150
200
250
300

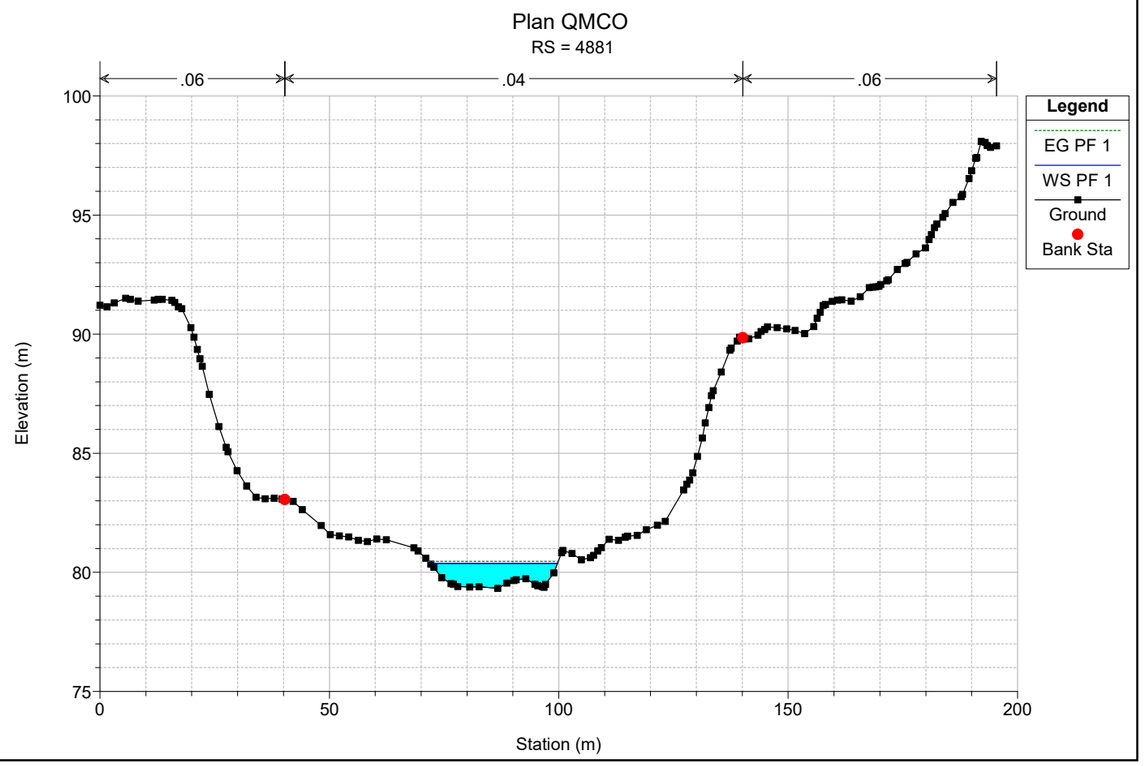

Plan QMCO
RS = 4994
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250
300
350

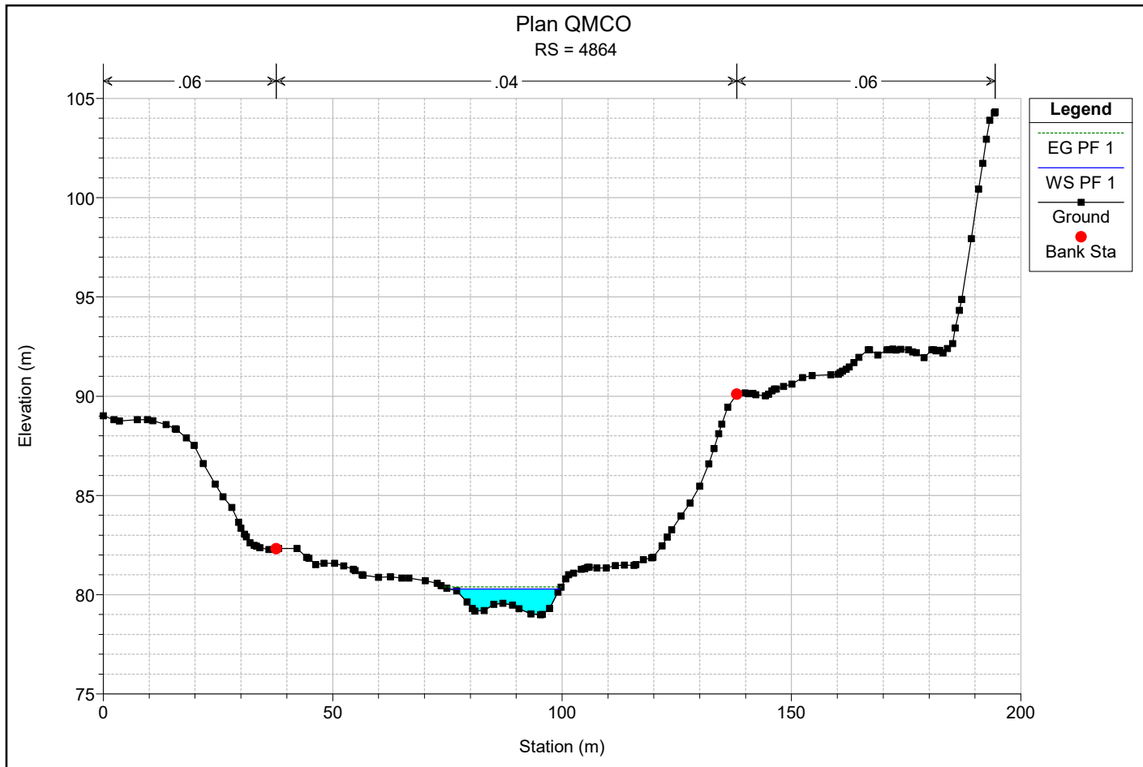

Plan QMCO
RS = 4962
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
100
200
300
400
500

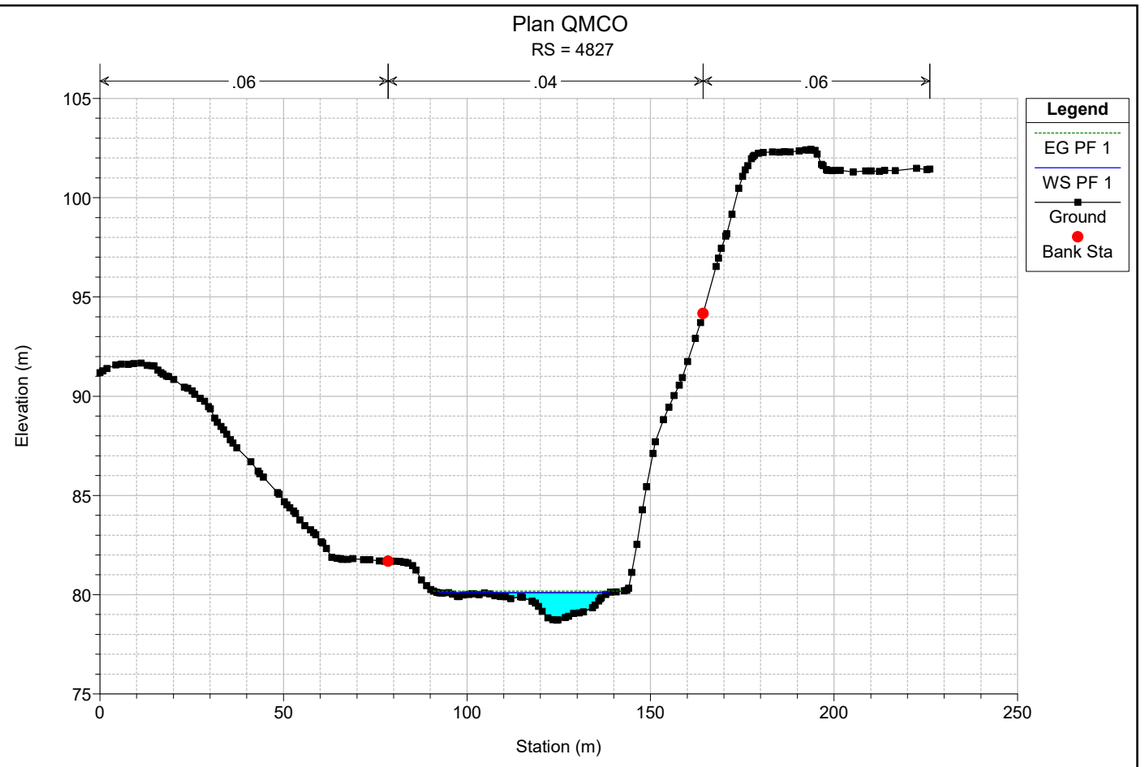

Plan QMCO
RS = 4940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
75
0
100
200
300
400
500

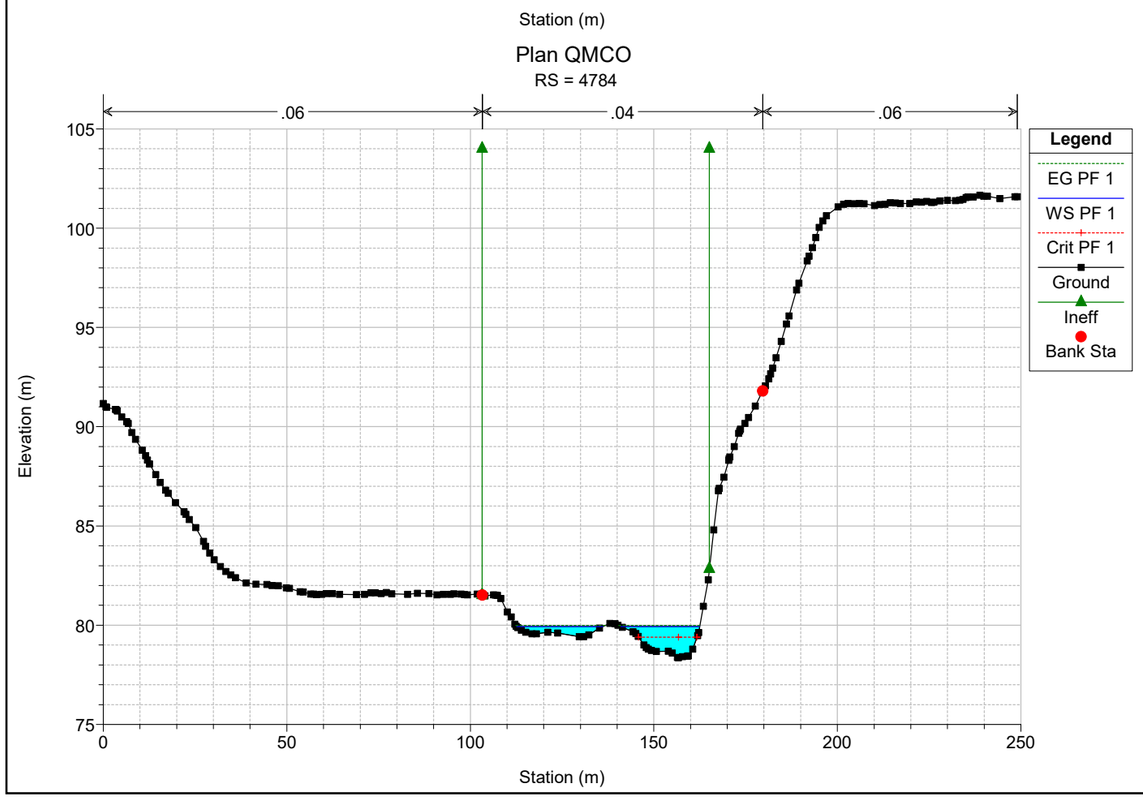

Plan QMCO
RS = 4923
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
80
70
0
100
200
300
400
500
600

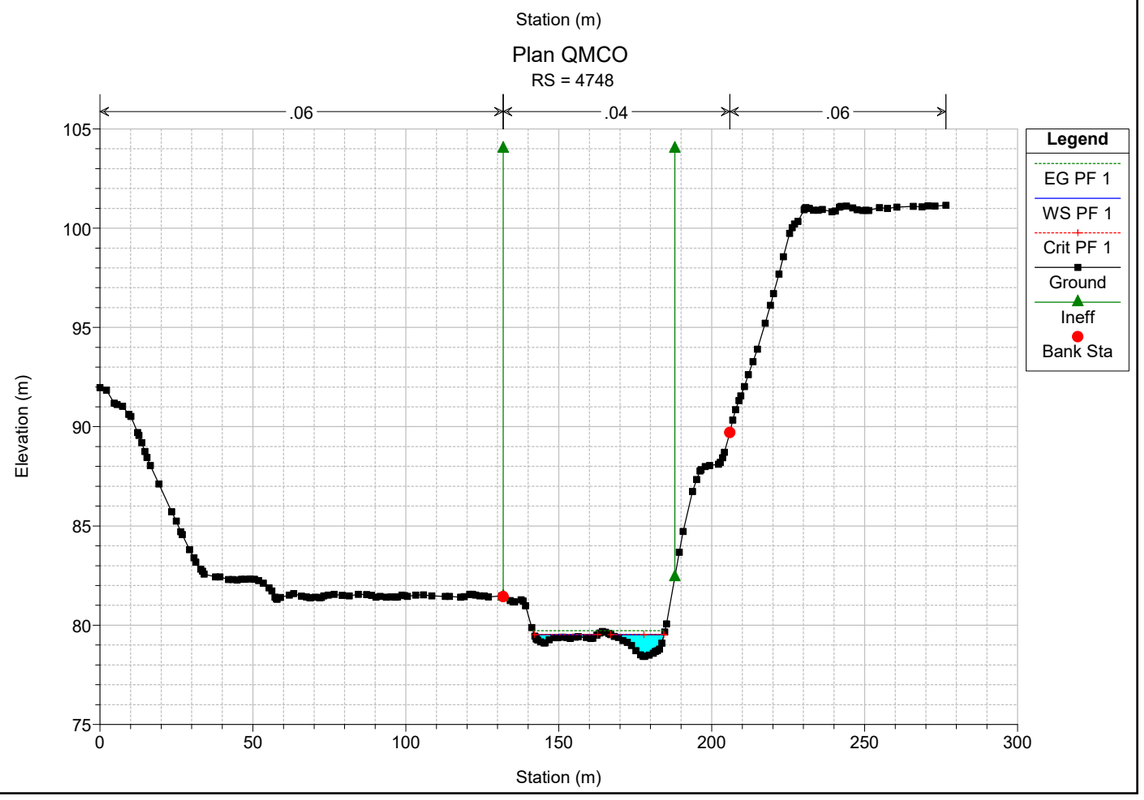

Plan QMCO
RS = 4902
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
85
80
75
0
100
200
300
400
500
600

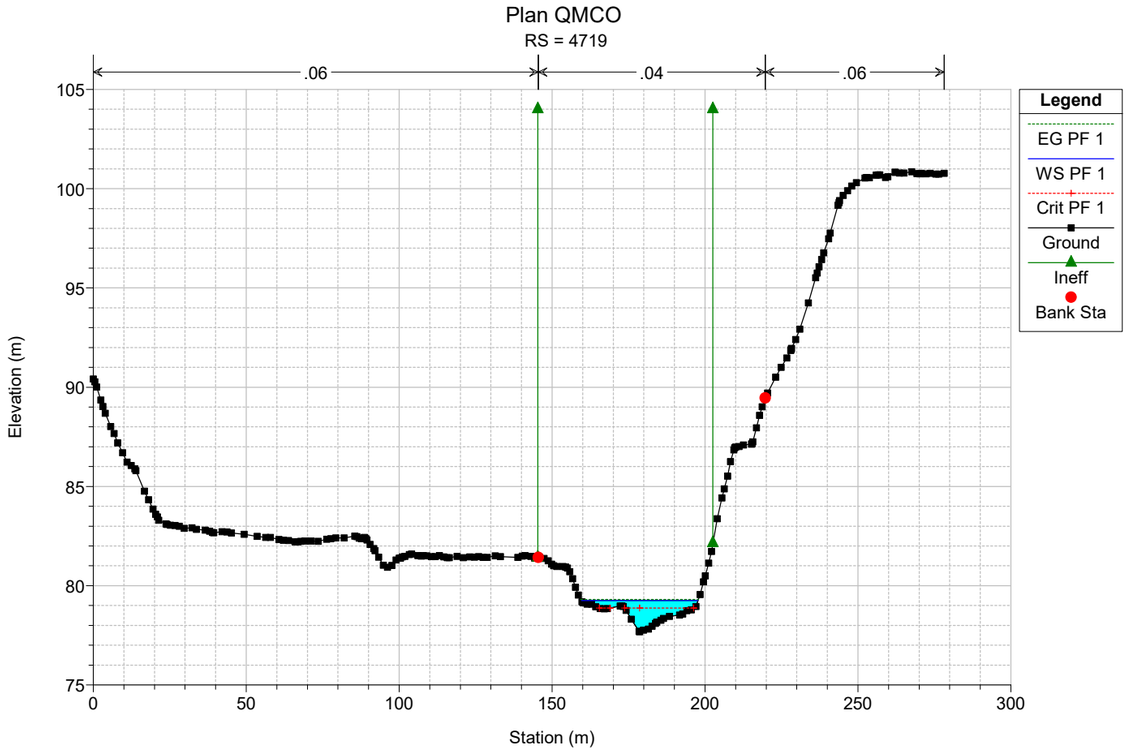

Plan QMCO
RS = 4881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
100
95
90
85
80
75
0
50
100
150
200

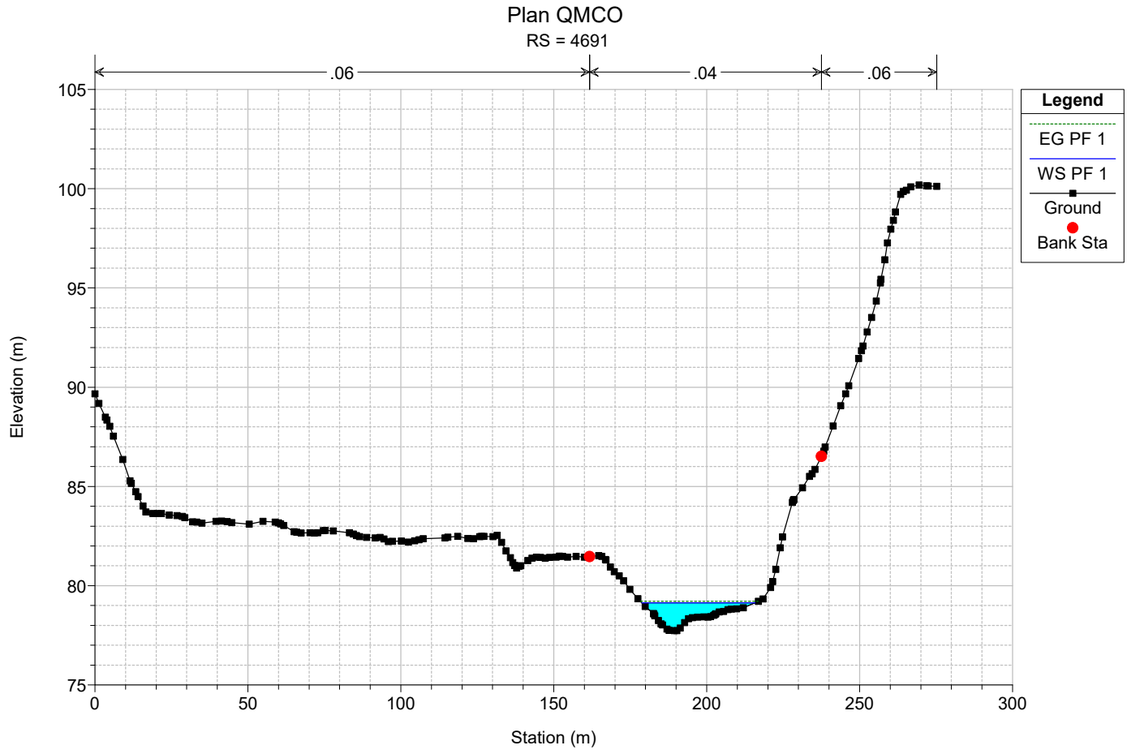

Plan QMCO
RS = 4864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

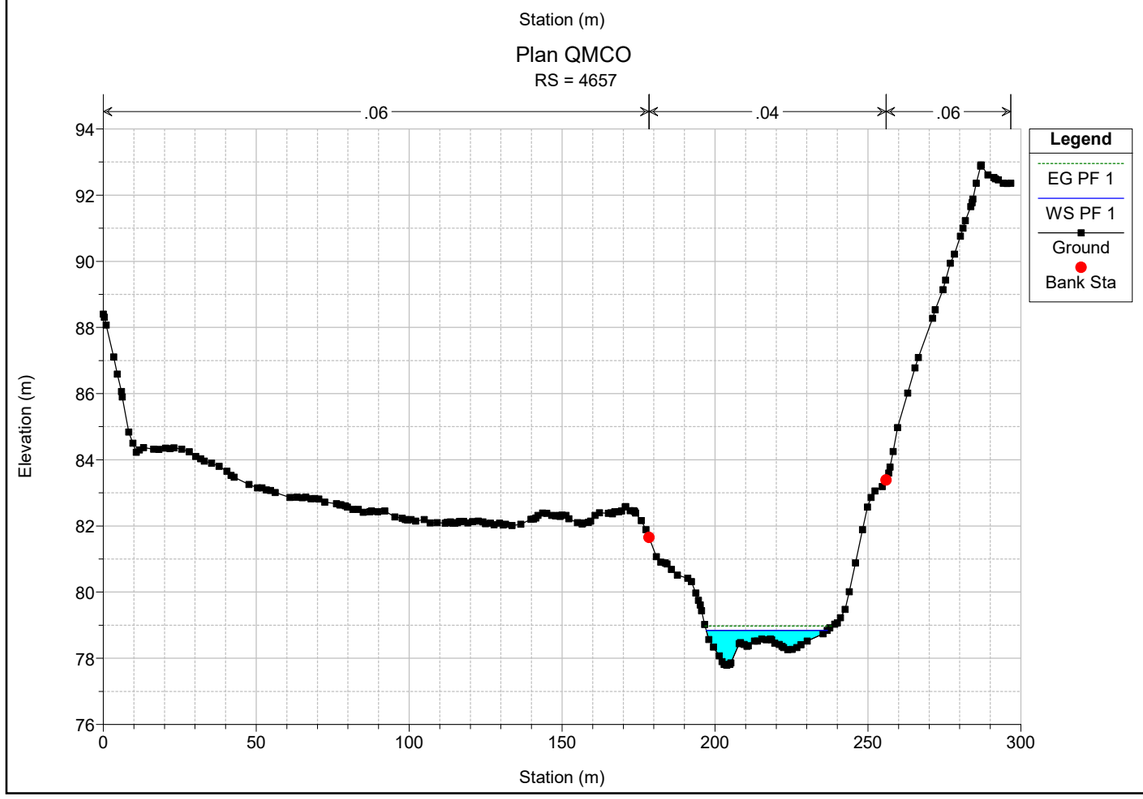

Plan QMCO
RS = 4827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

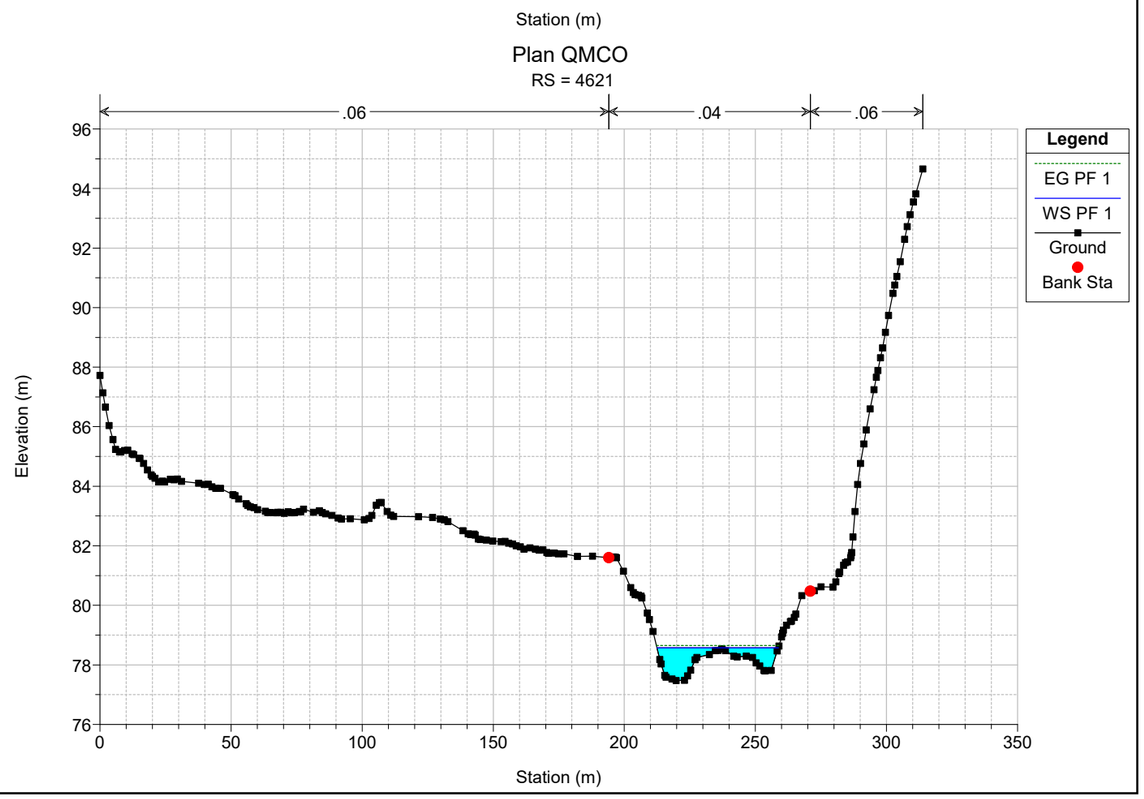

Plan QMCO
RS = 4784
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

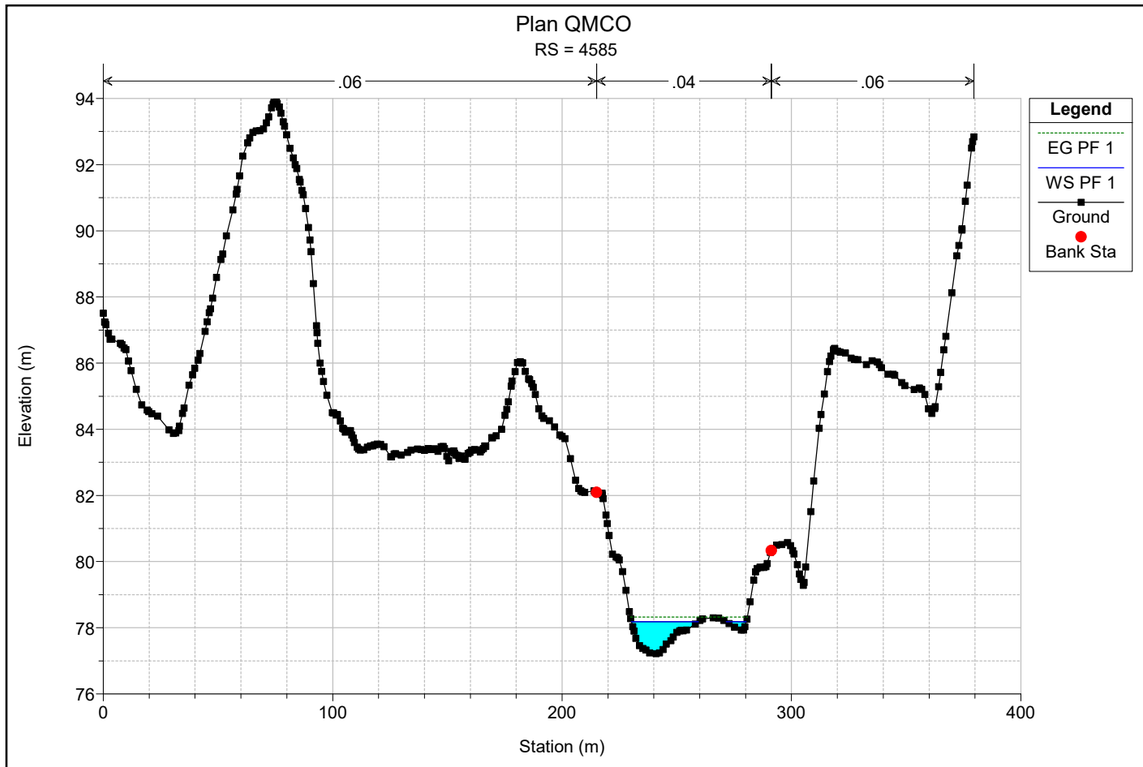

Plan QMCO
RS = 4748
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

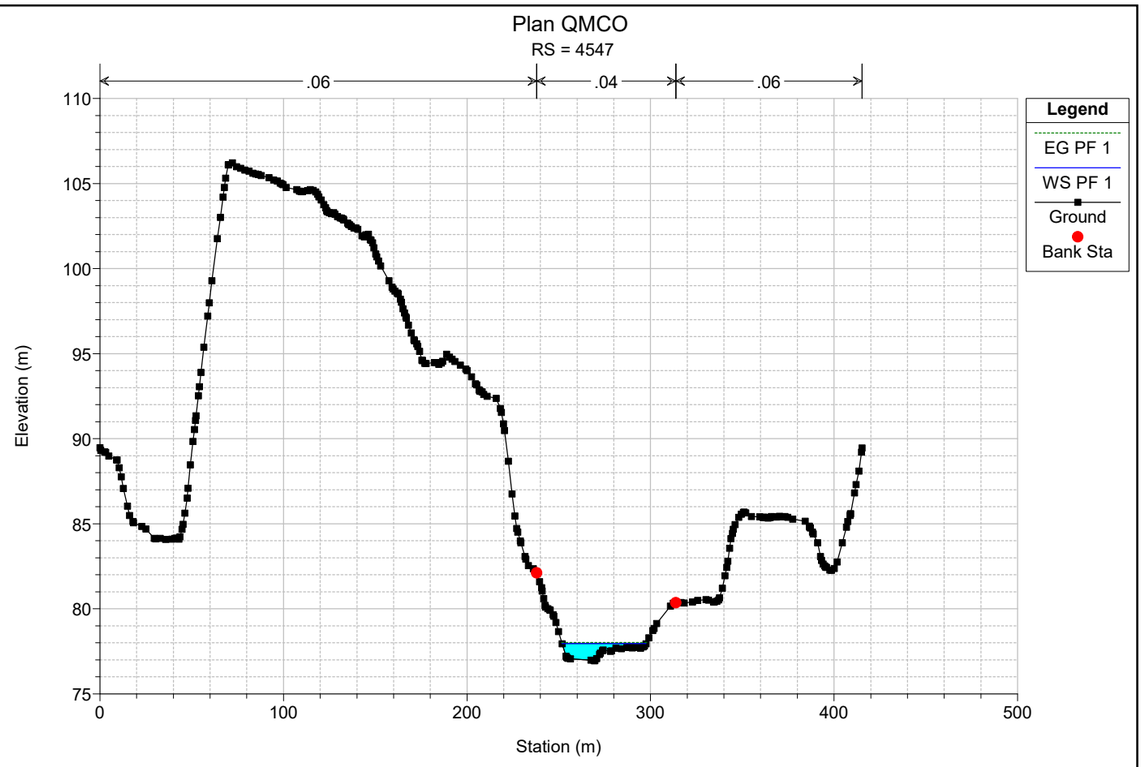

Plan QMCO
RS = 4719
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

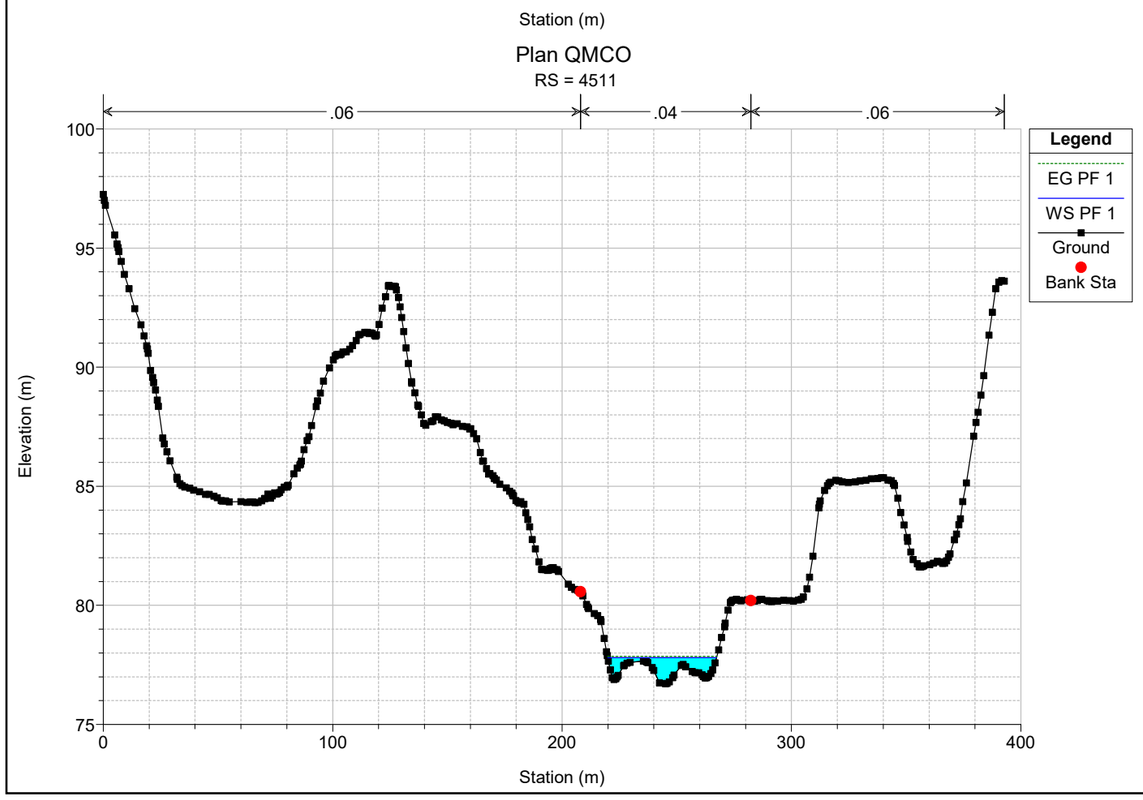

Plan QMCO
RS = 4691
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

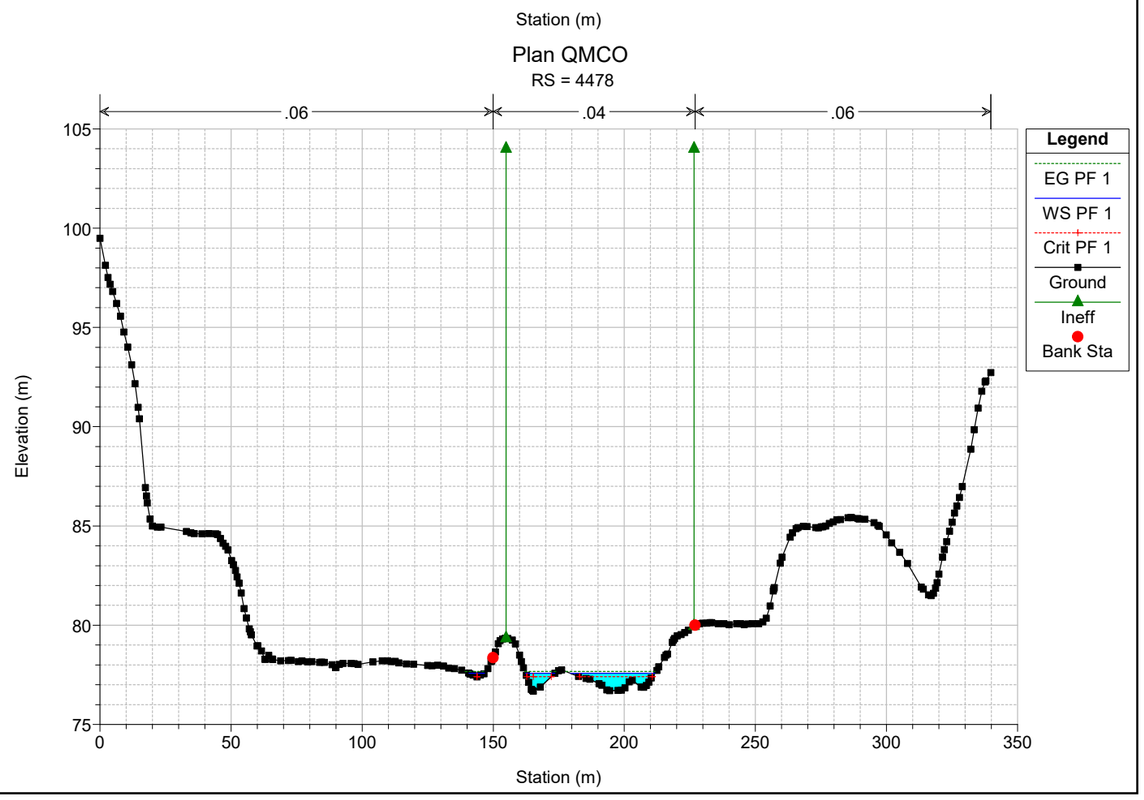

Plan QMCO
RS = 4657
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

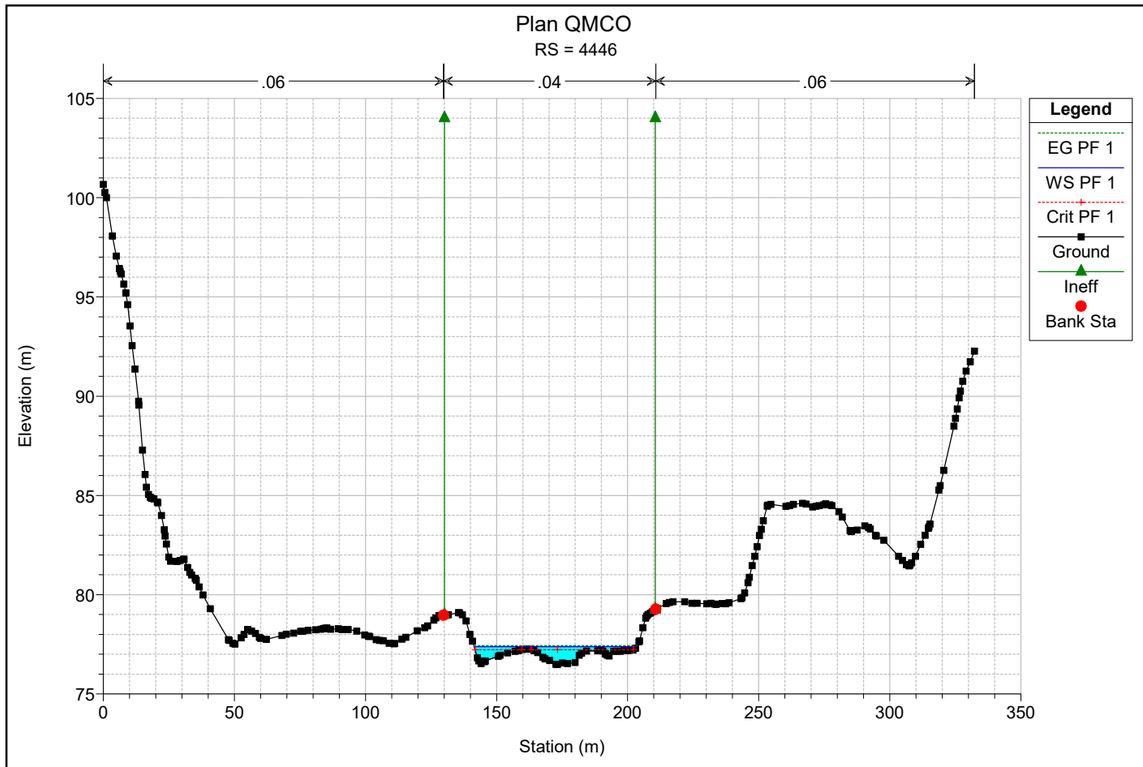

Plan QMCO
RS = 4621
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

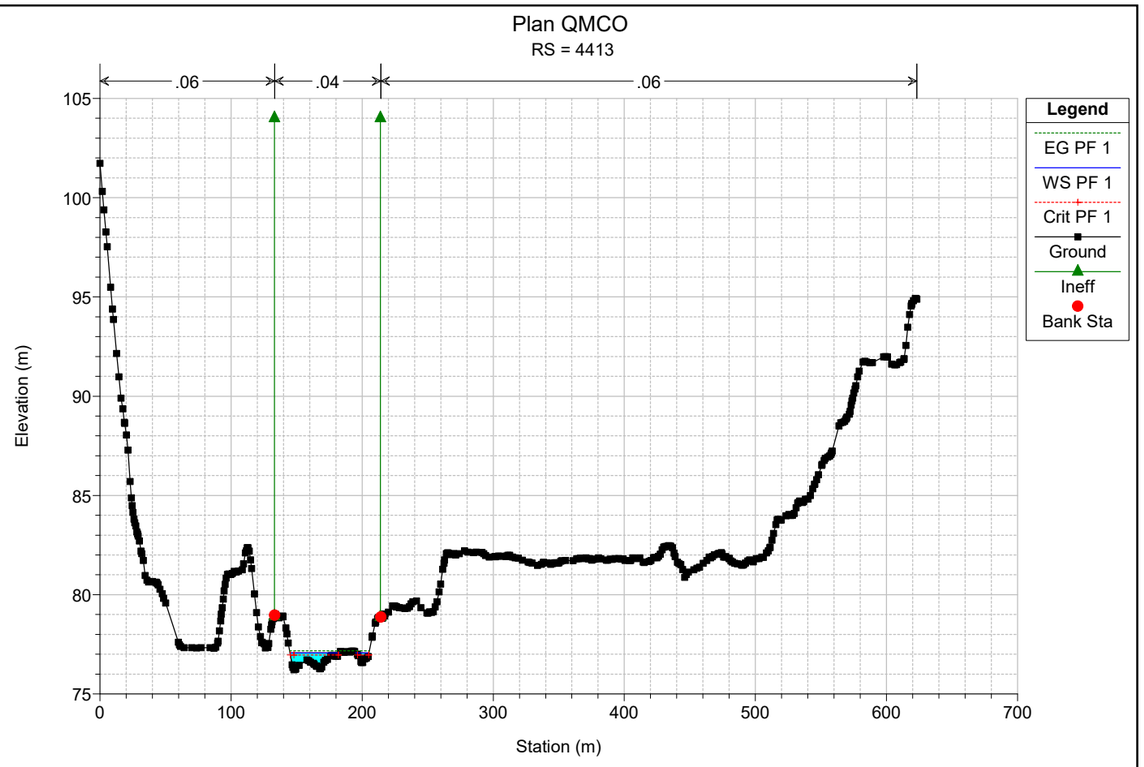

Plan QMCO
RS = 4585
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

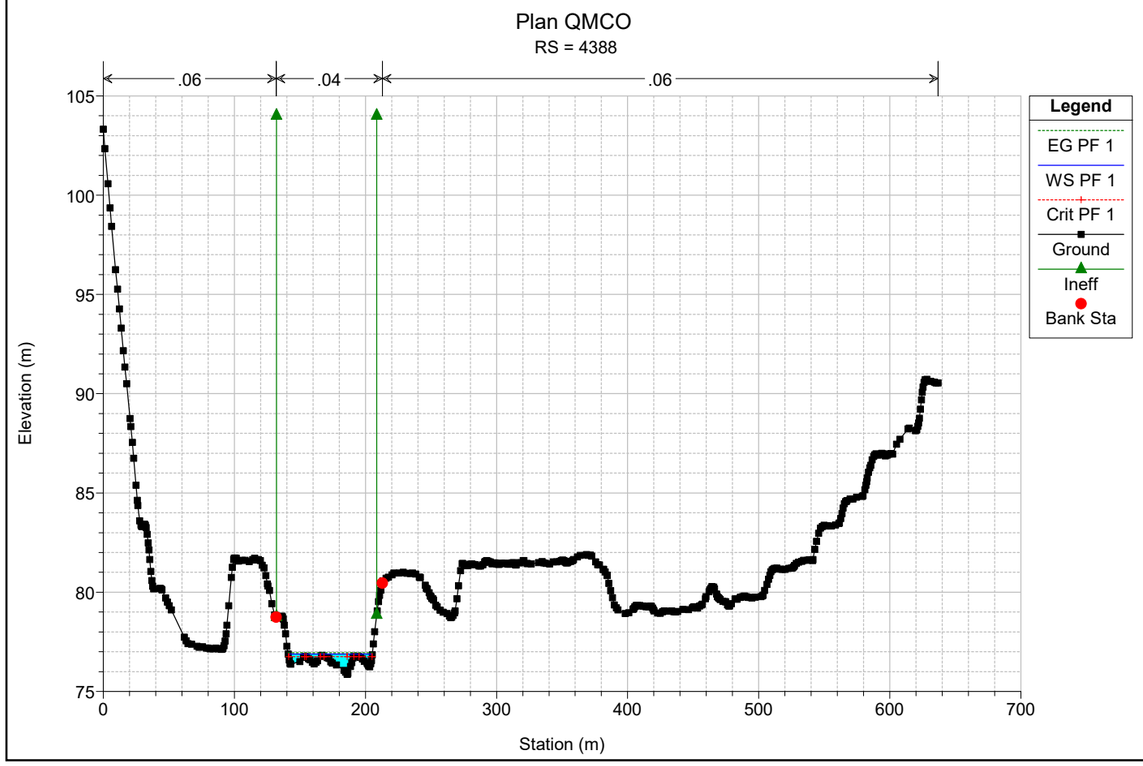

Plan QMCO
RS = 4547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

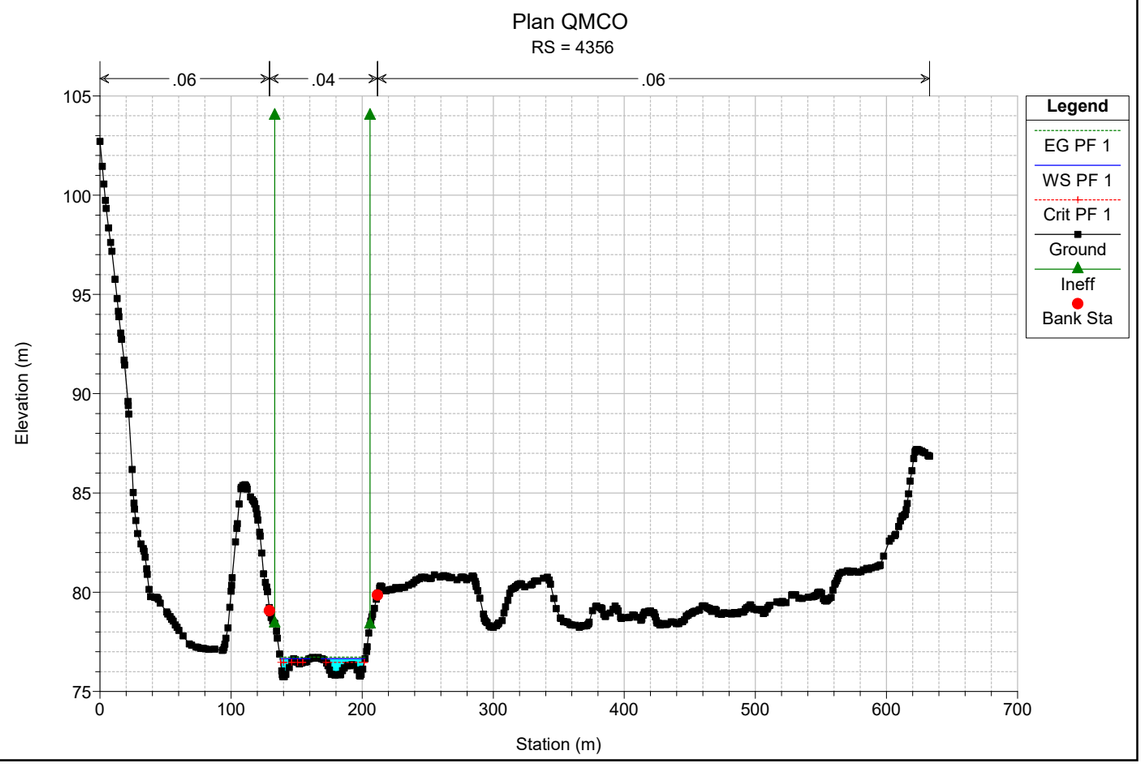

Plan QMCO
RS = 4511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

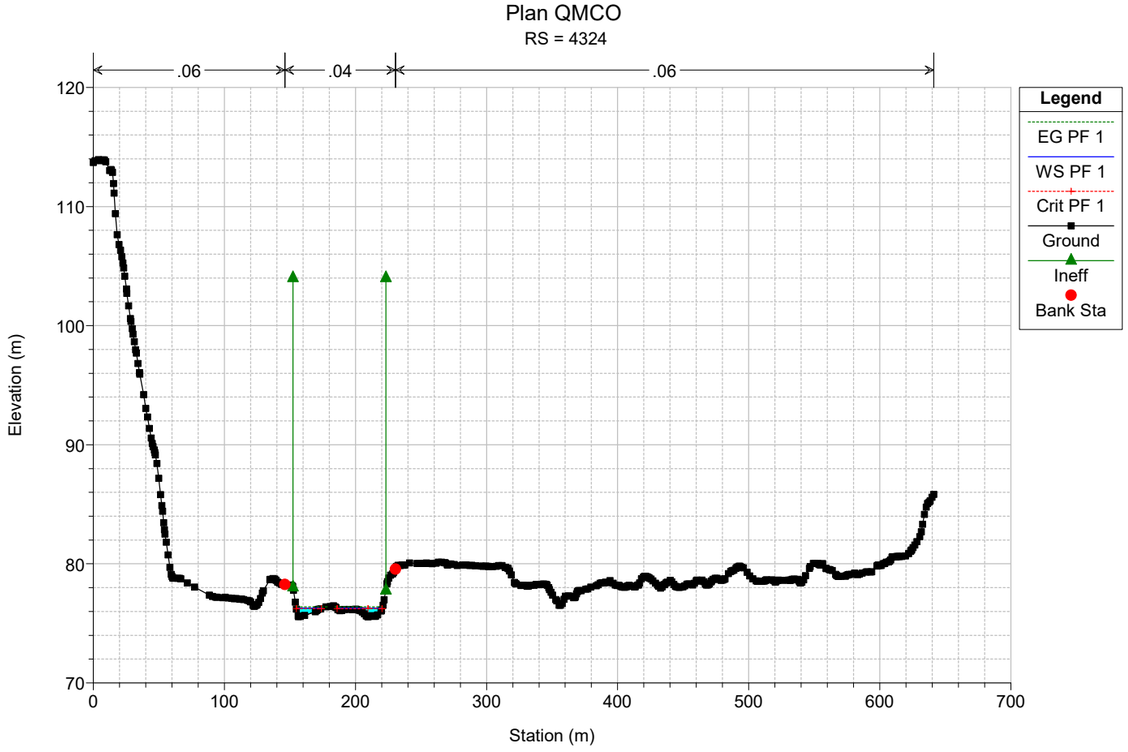

Plan QMCO
RS = 4478
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

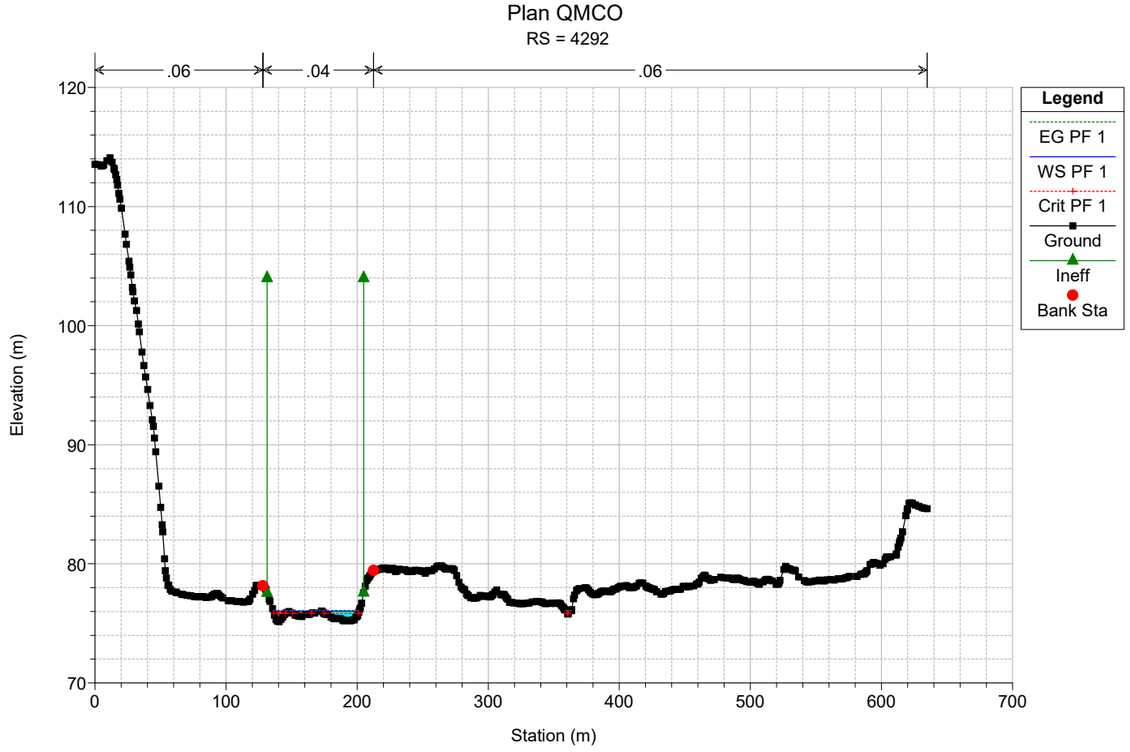

Plan QMCO
RS = 4446
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

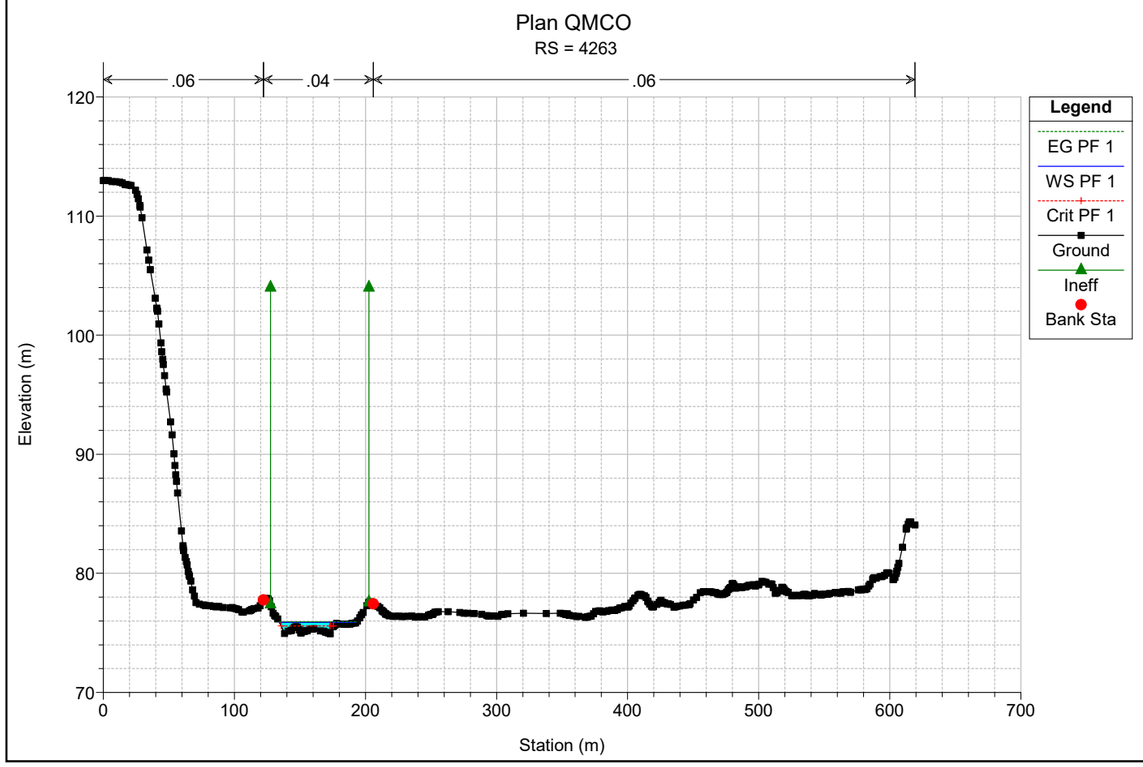

Plan QMCO
RS = 4413
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

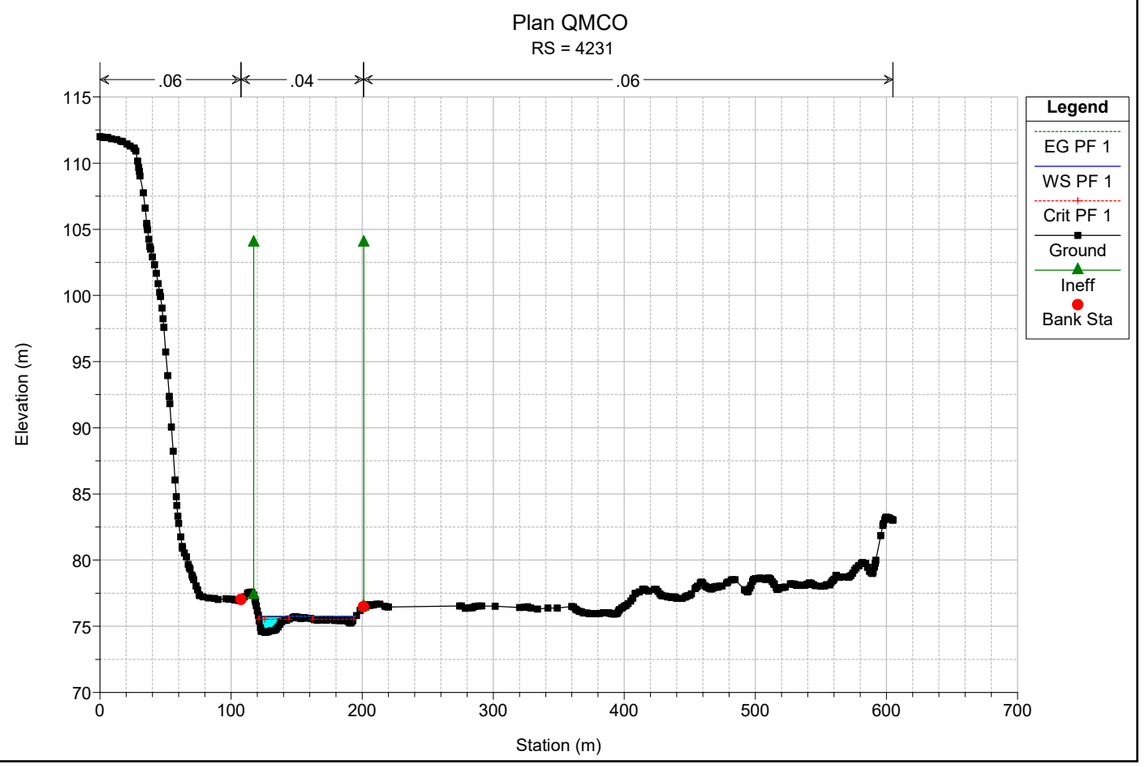

Plan QMCO
RS = 4388
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

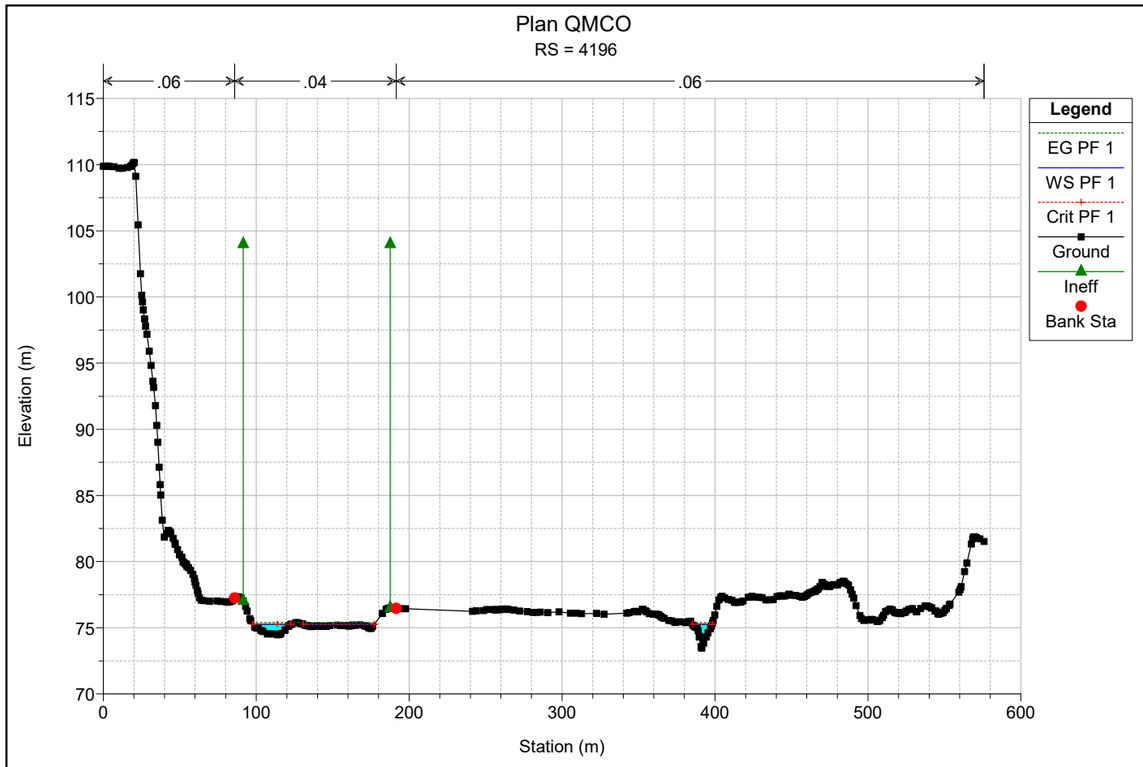

Plan QMCO
RS = 4356
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

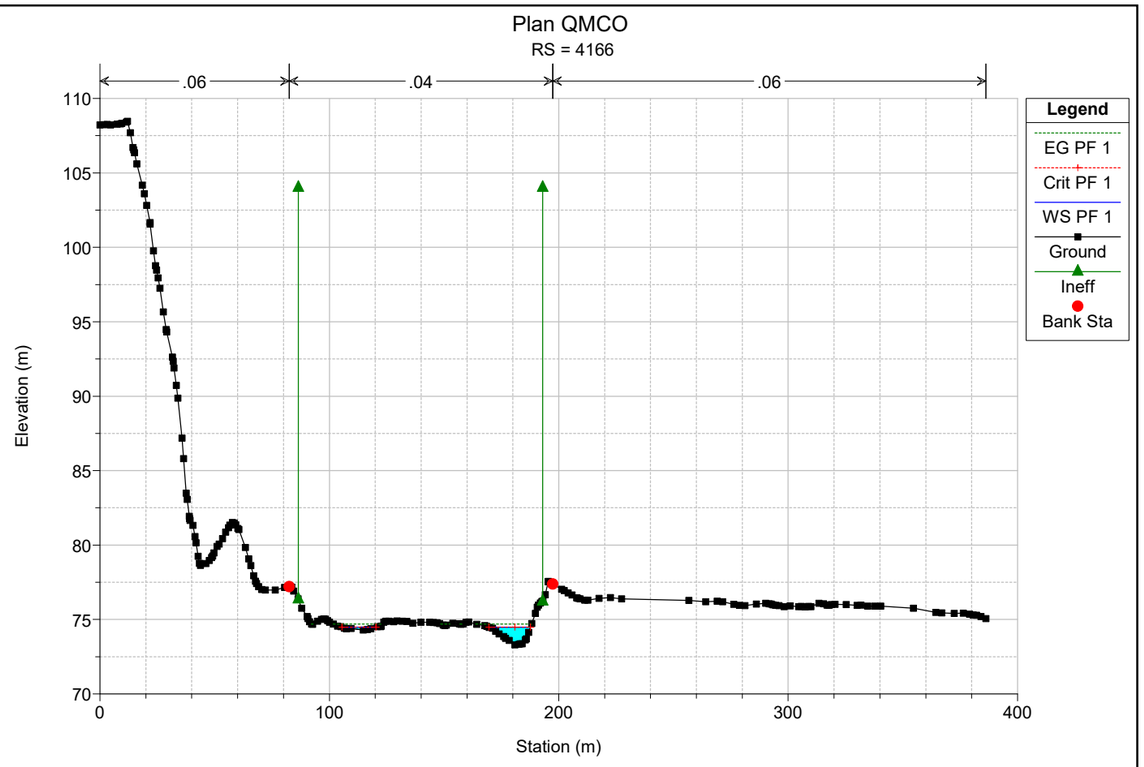

Plan QMCO
RS = 4324
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

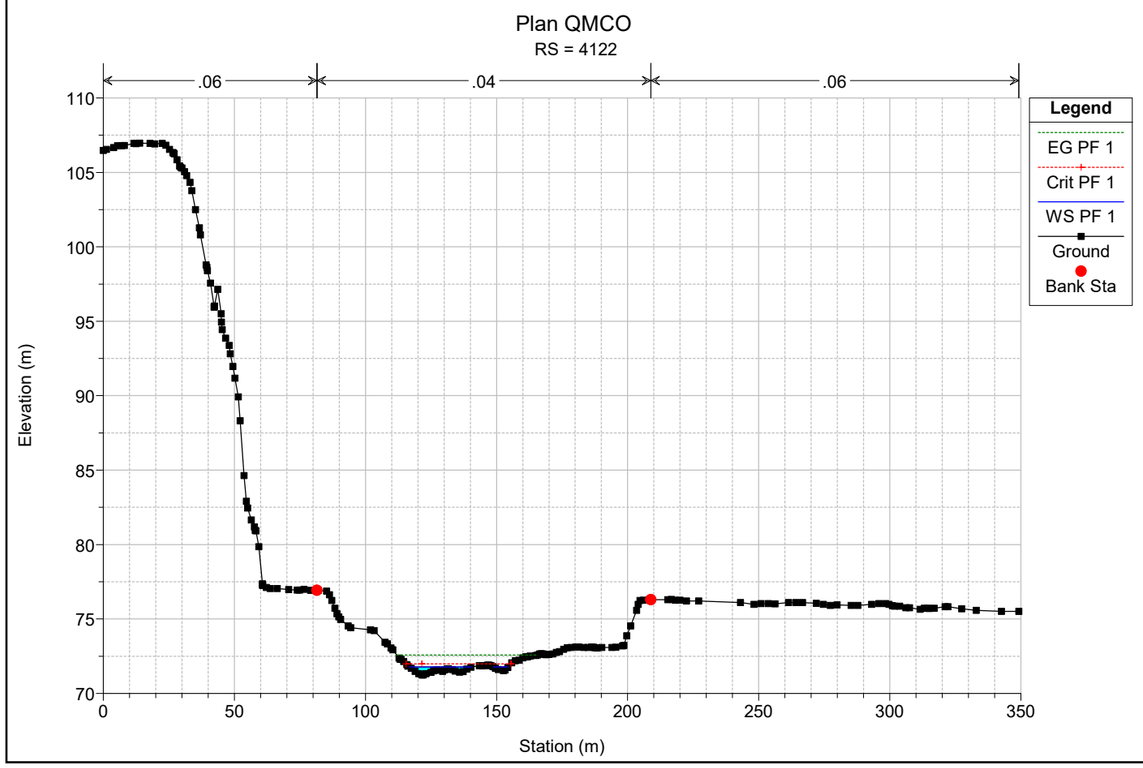

Plan QMCO
RS = 4292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

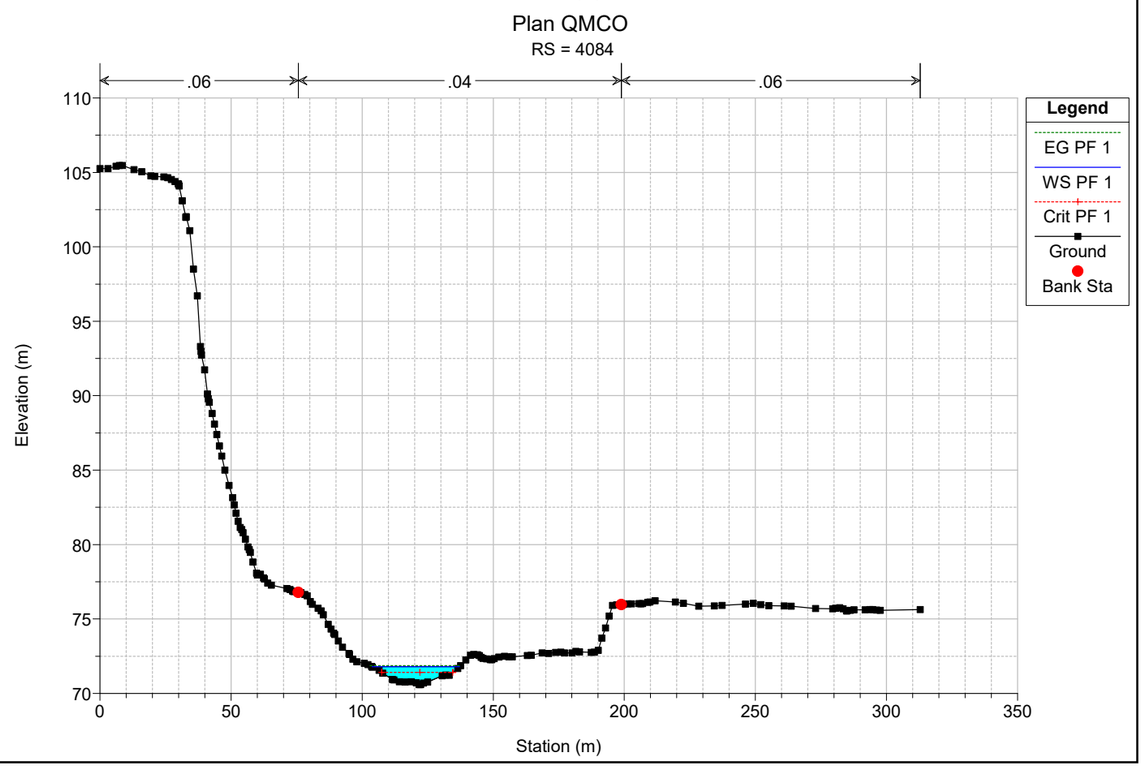

Plan QMCO
RS = 4263
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

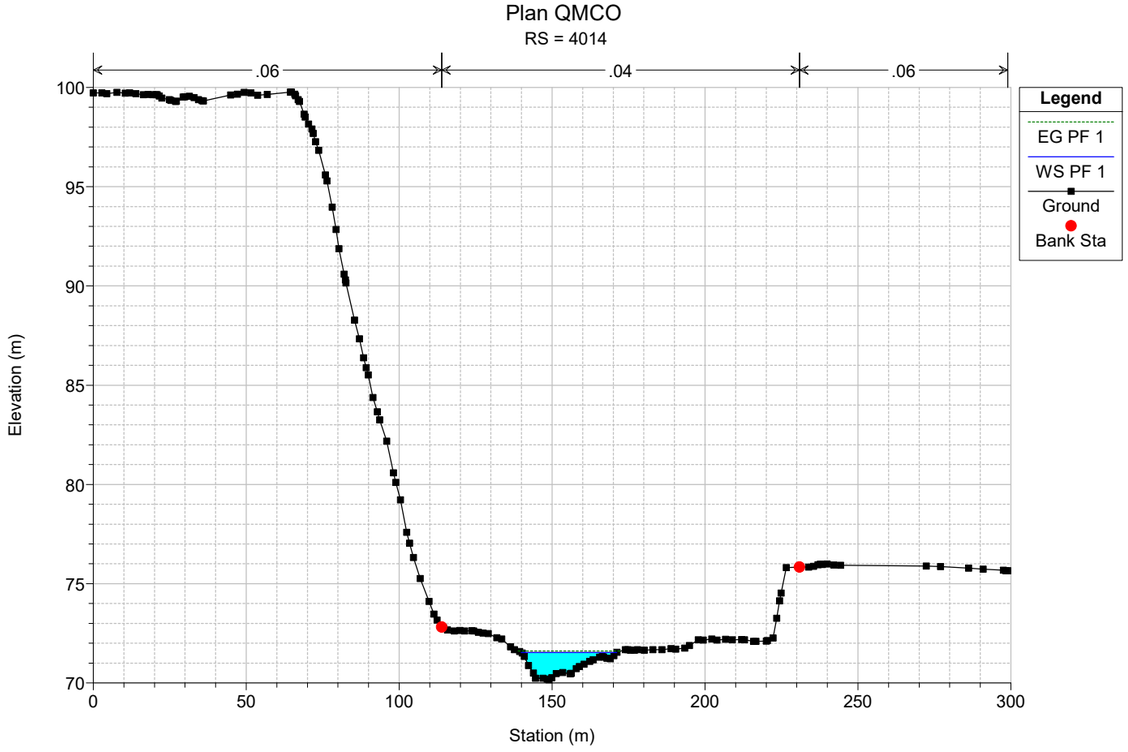

Plan QMCO
RS = 4231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

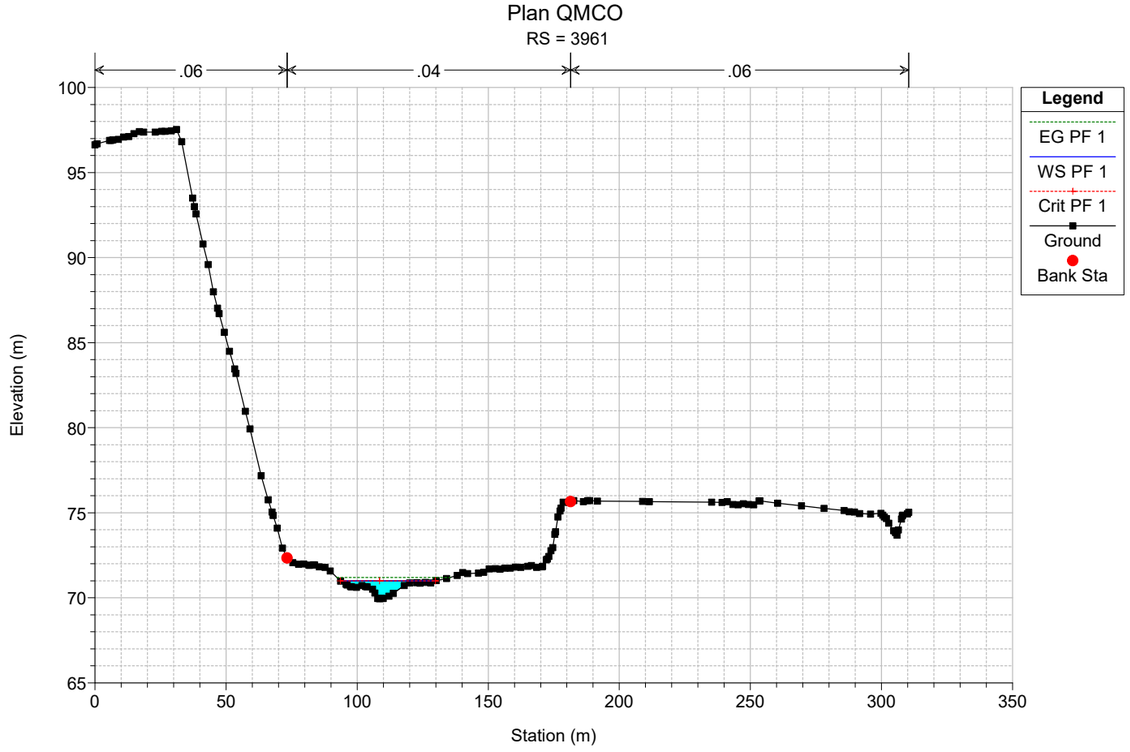

Plan QMCO
RS = 4196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

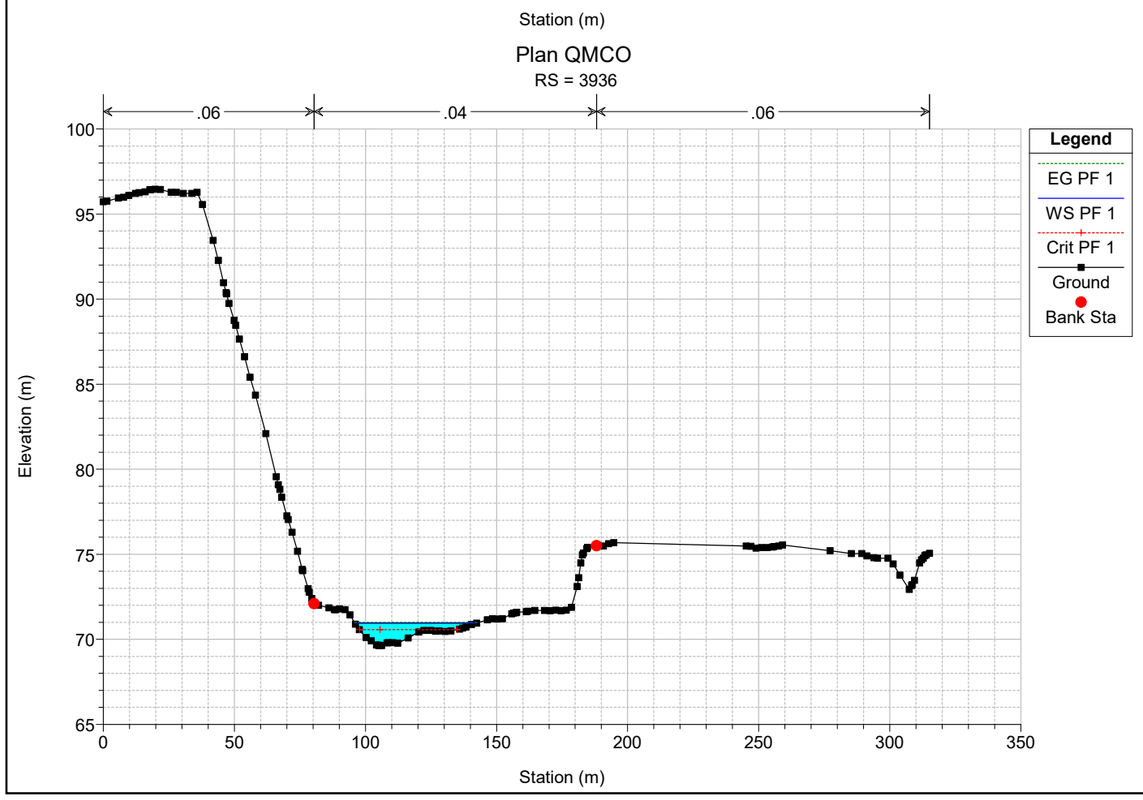

Plan QMCO
RS = 4166
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

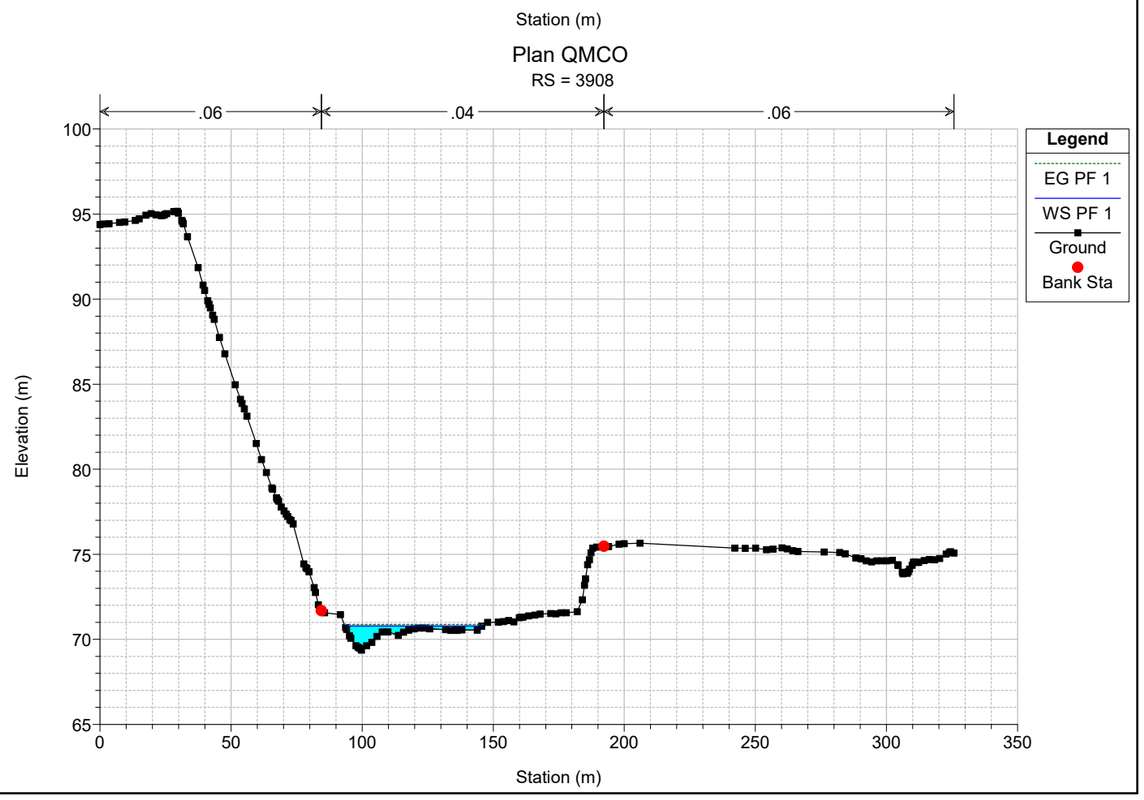

Plan QMCO
RS = 4122
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

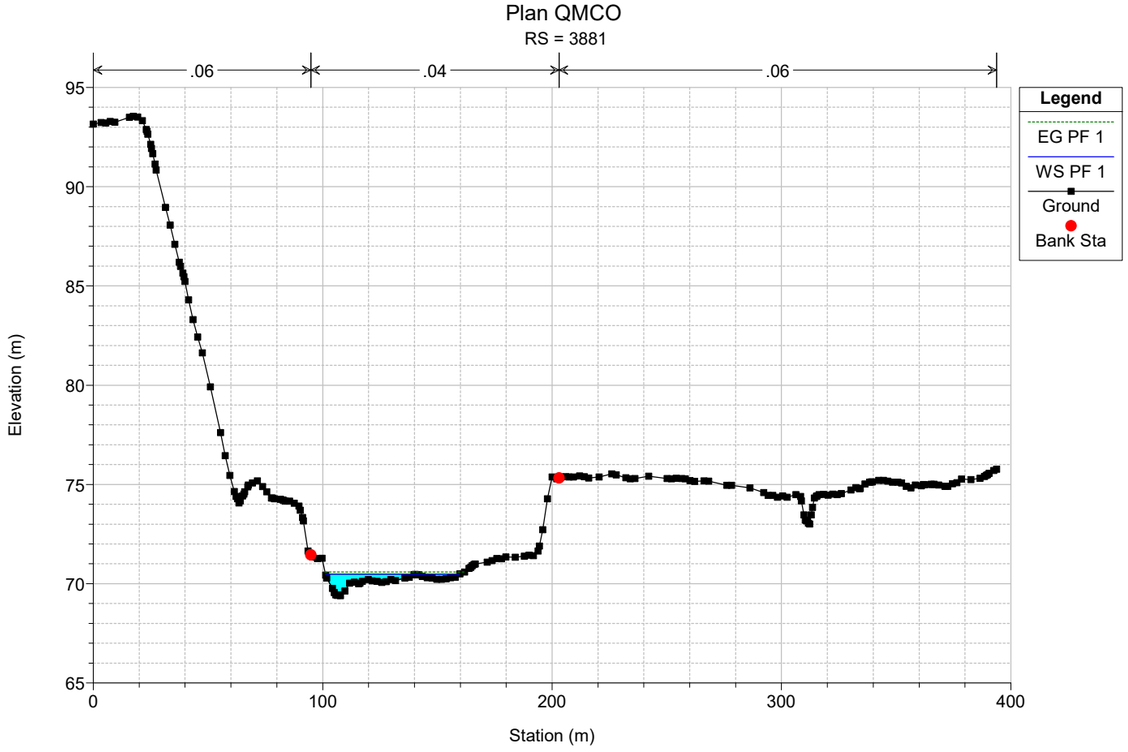

Plan QMCO
RS = 4084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

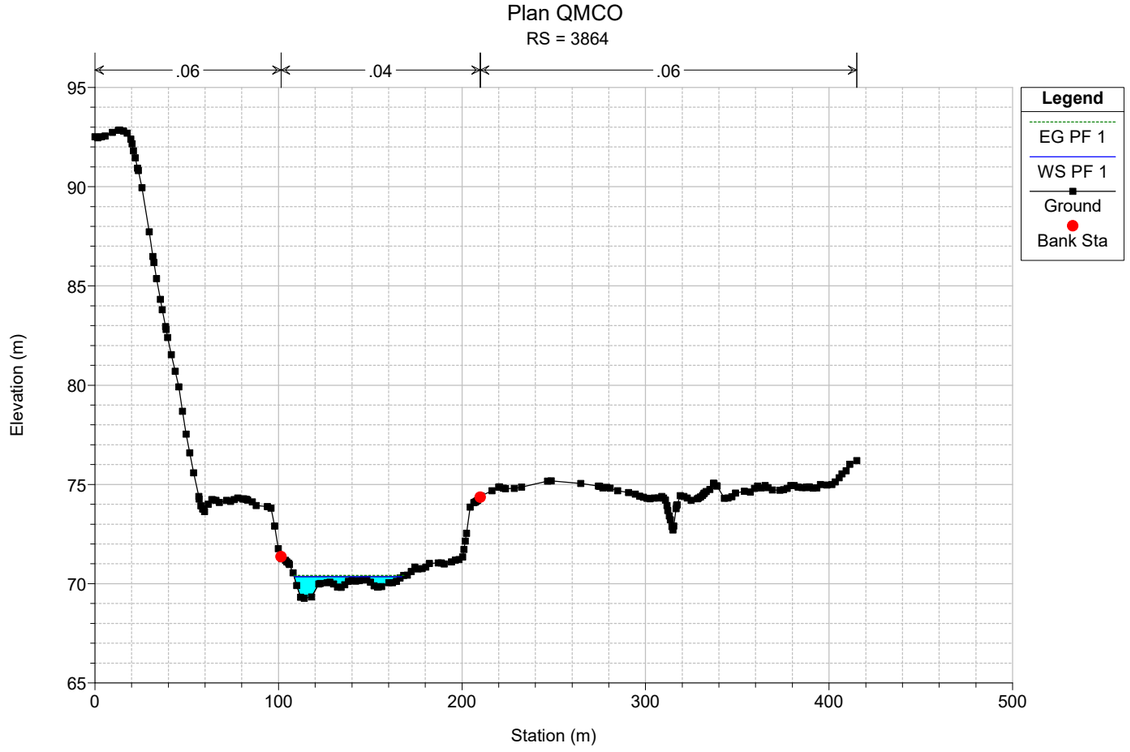

Plan QMCO
RS = 4014
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

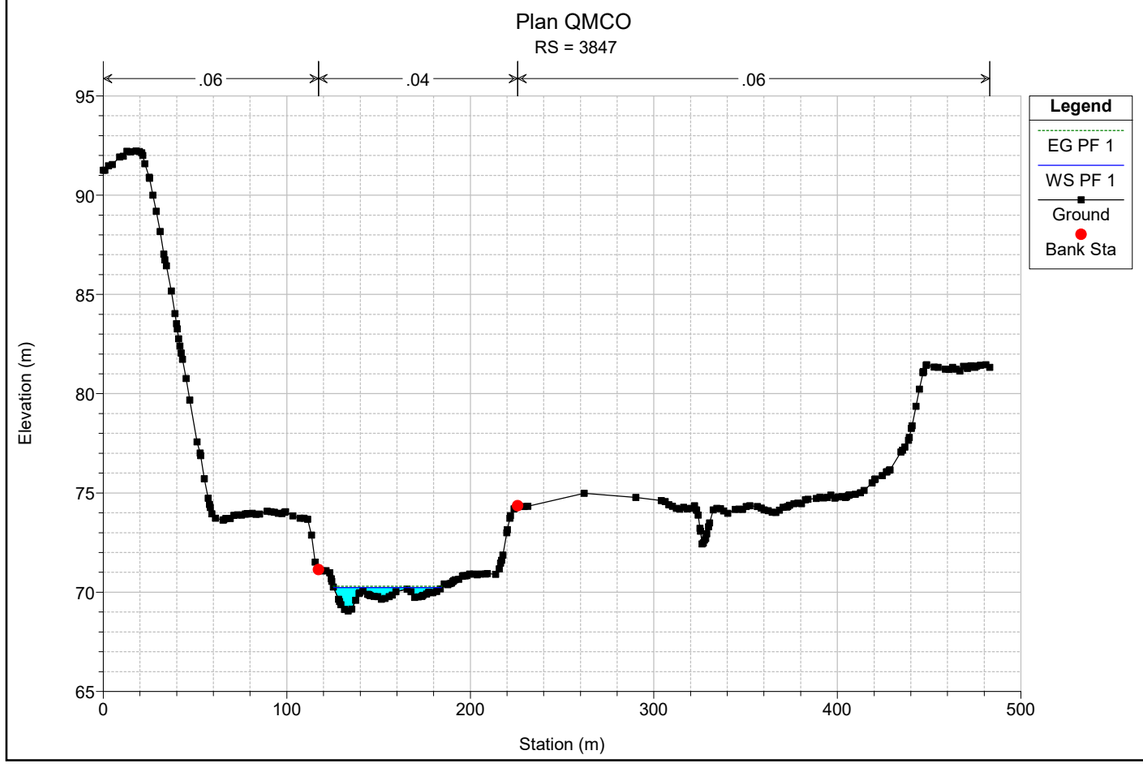

Plan QMCO
RS = 3961
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

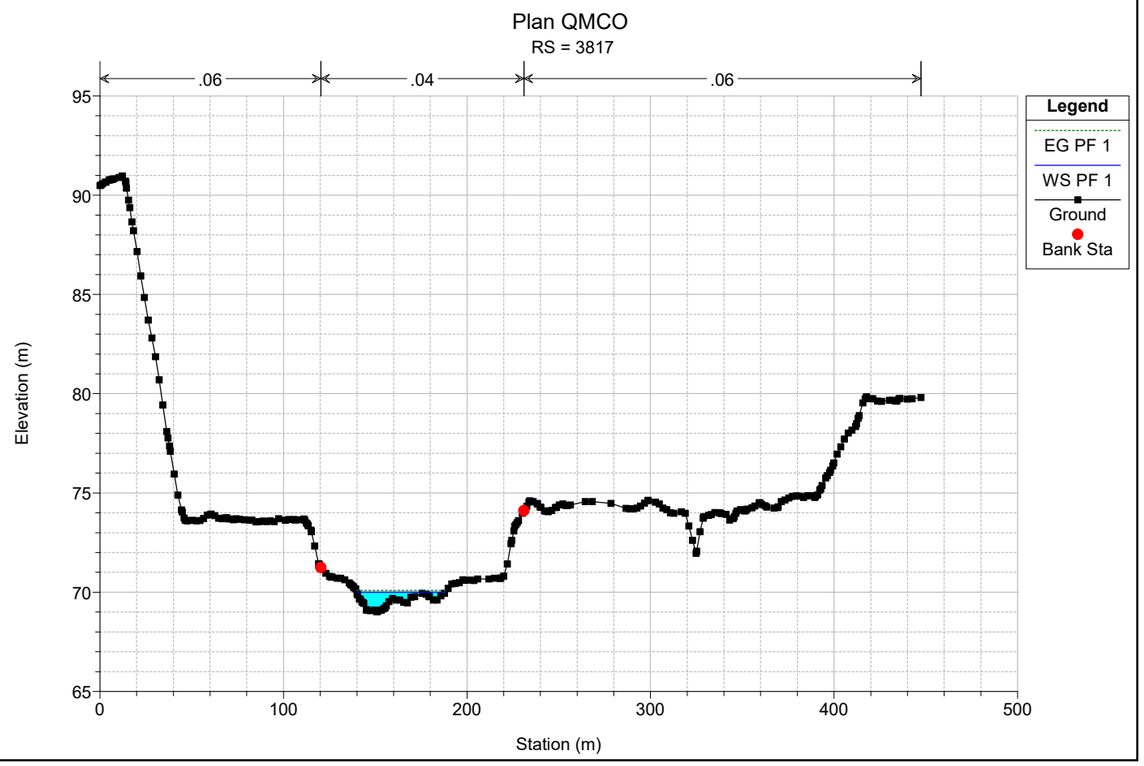

Plan QMCO
RS = 3936
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

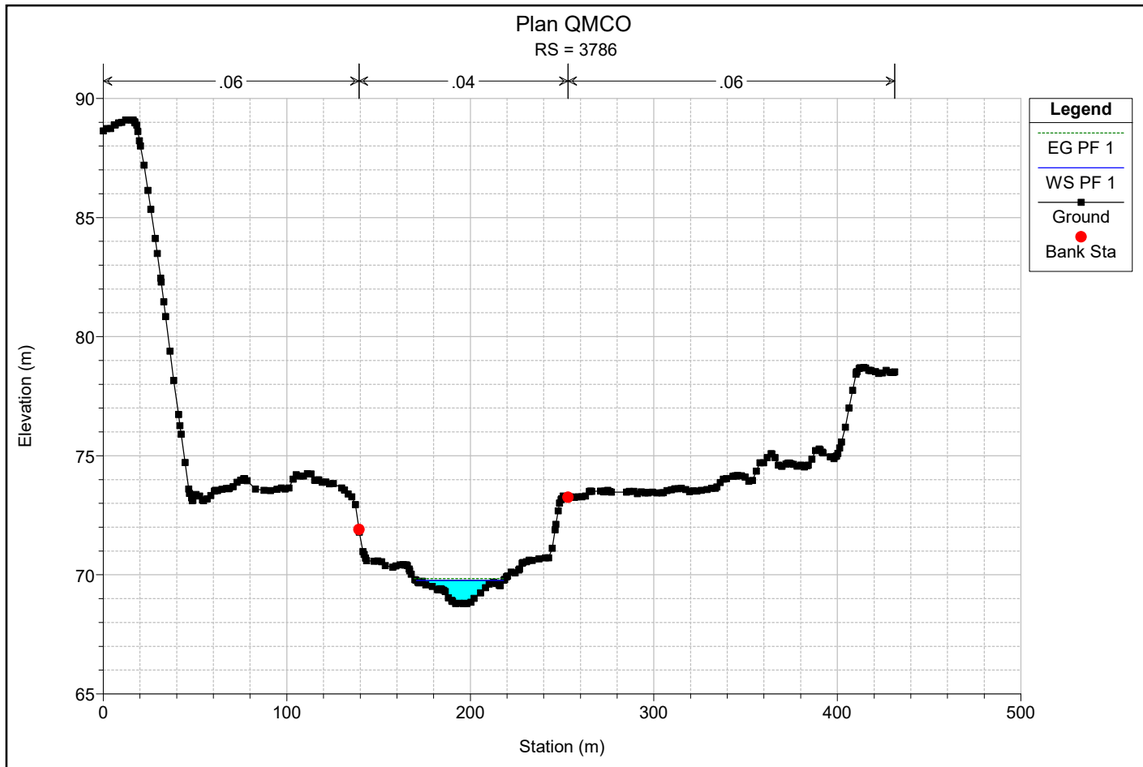

Plan QMCO
RS = 3908
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

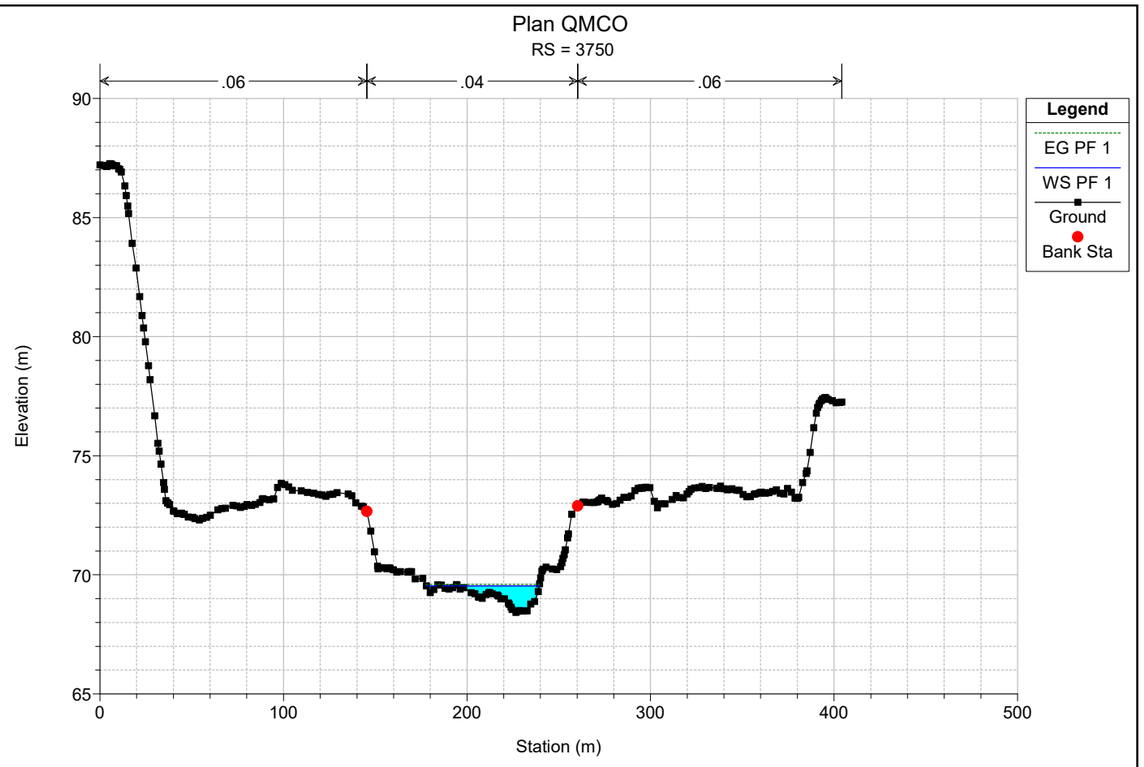

Plan QMCO
RS = 3881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400

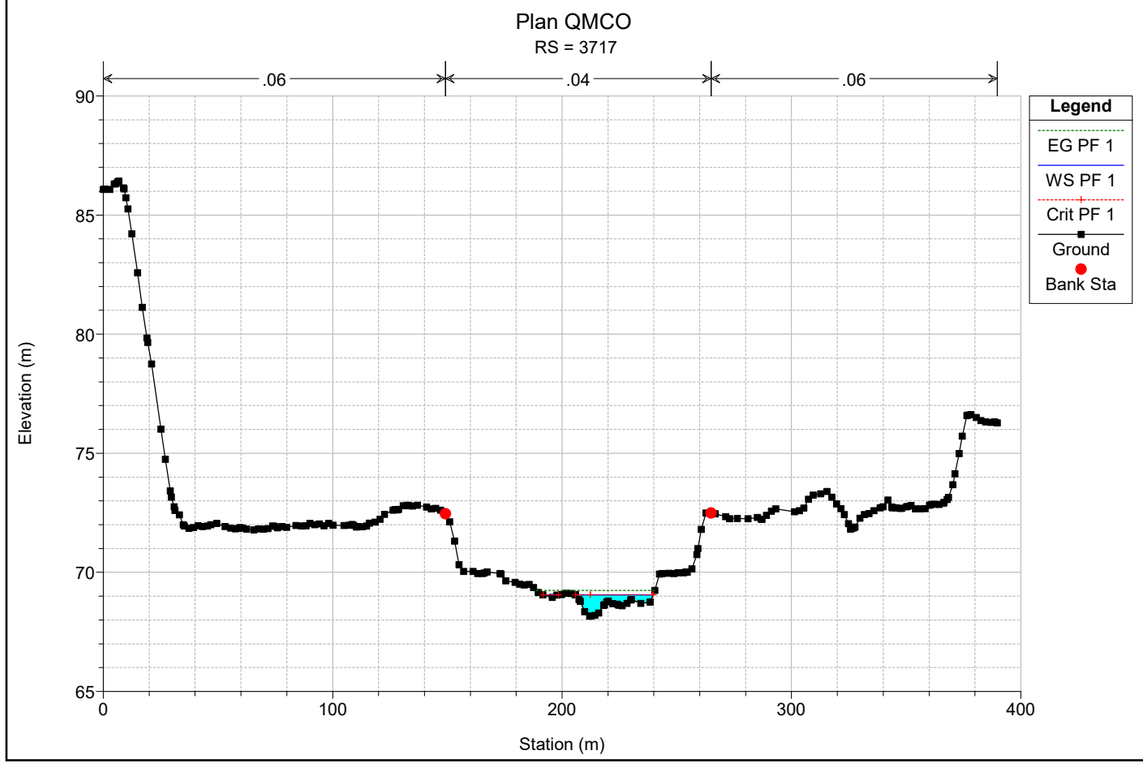

Plan QMCO
RS = 3864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

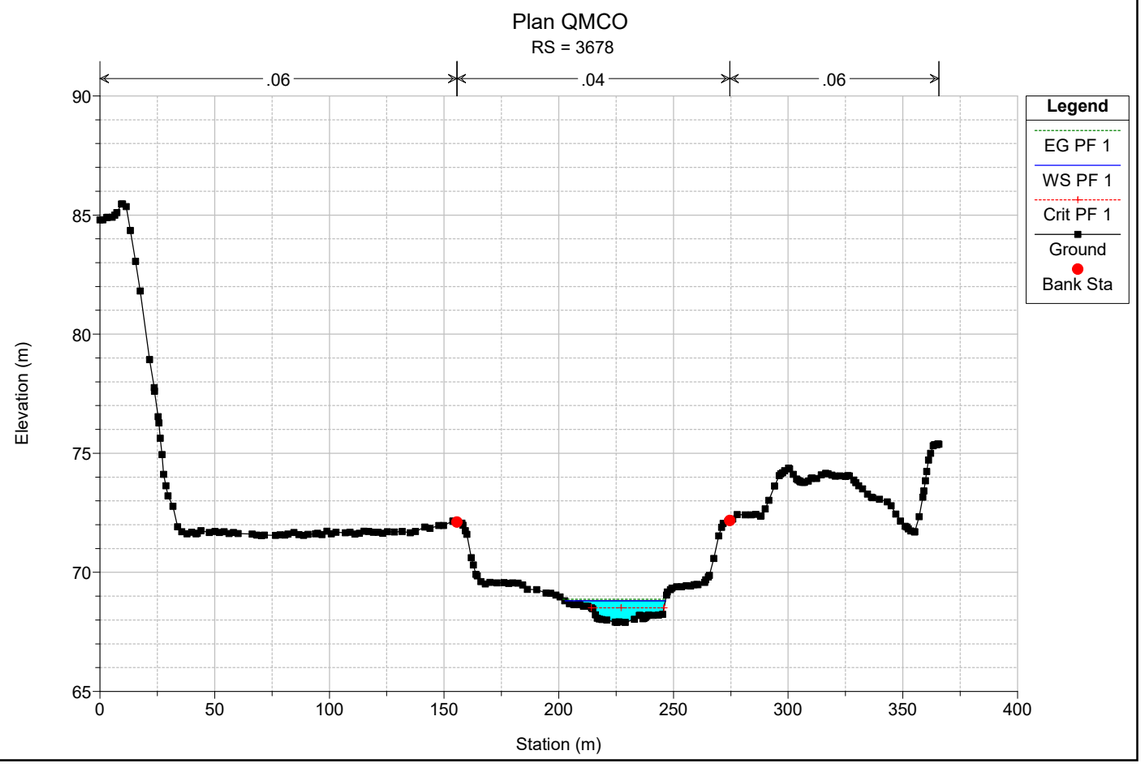

Plan QMCO
RS = 3847
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

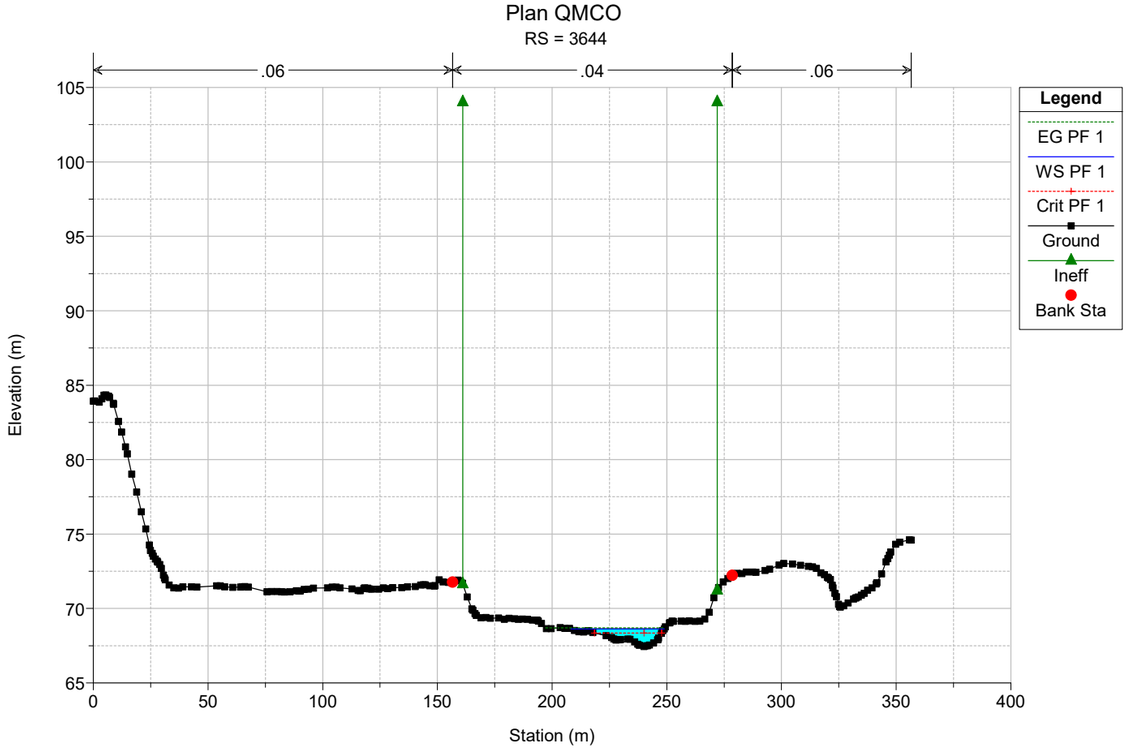

Plan QMCO
RS = 3817
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

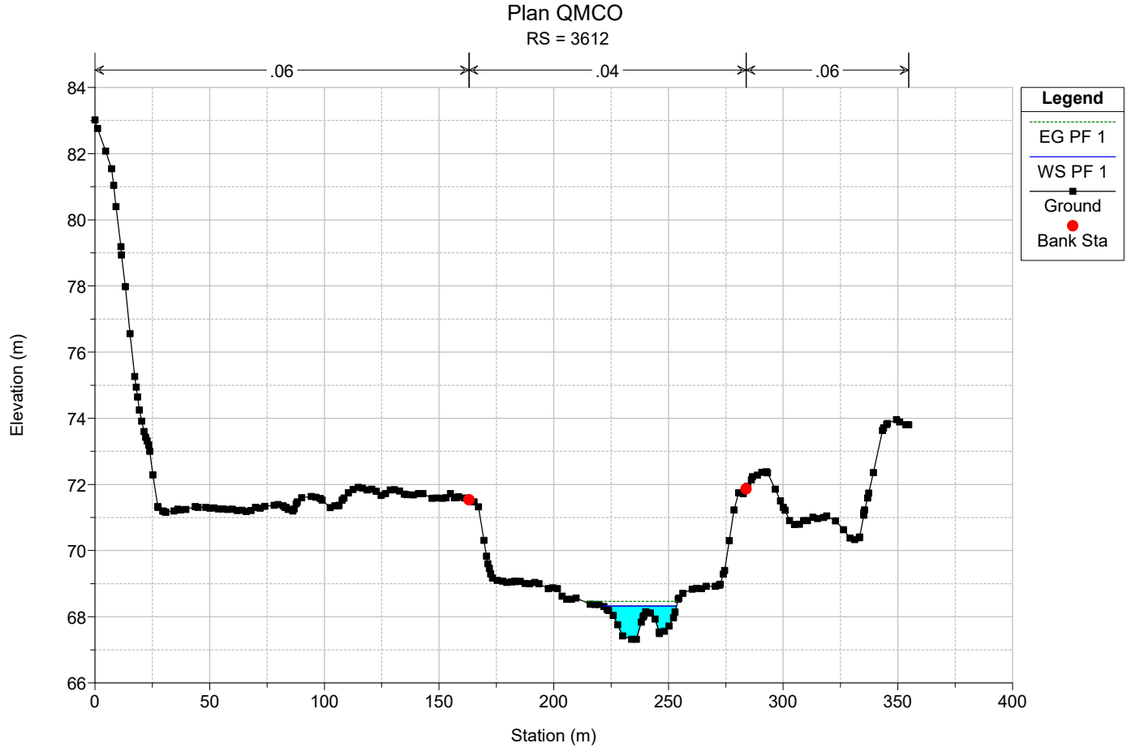

Plan QMCO
RS = 3786
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

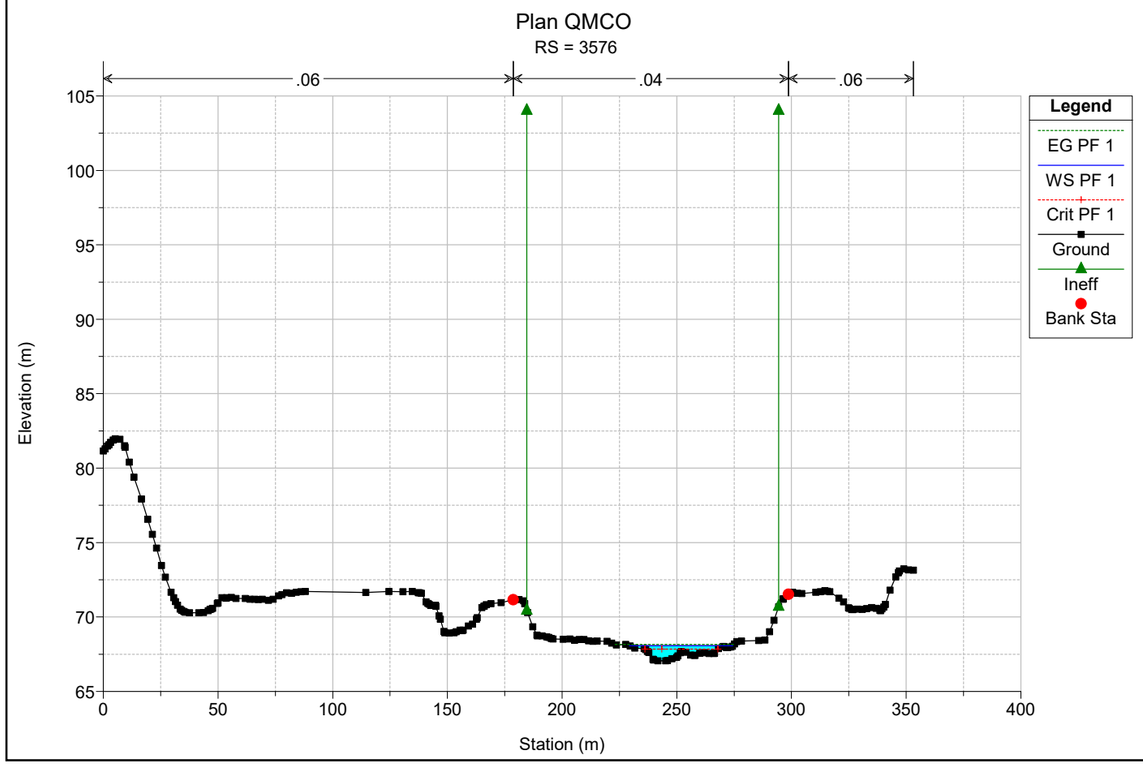

Plan QMCO
RS = 3750
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

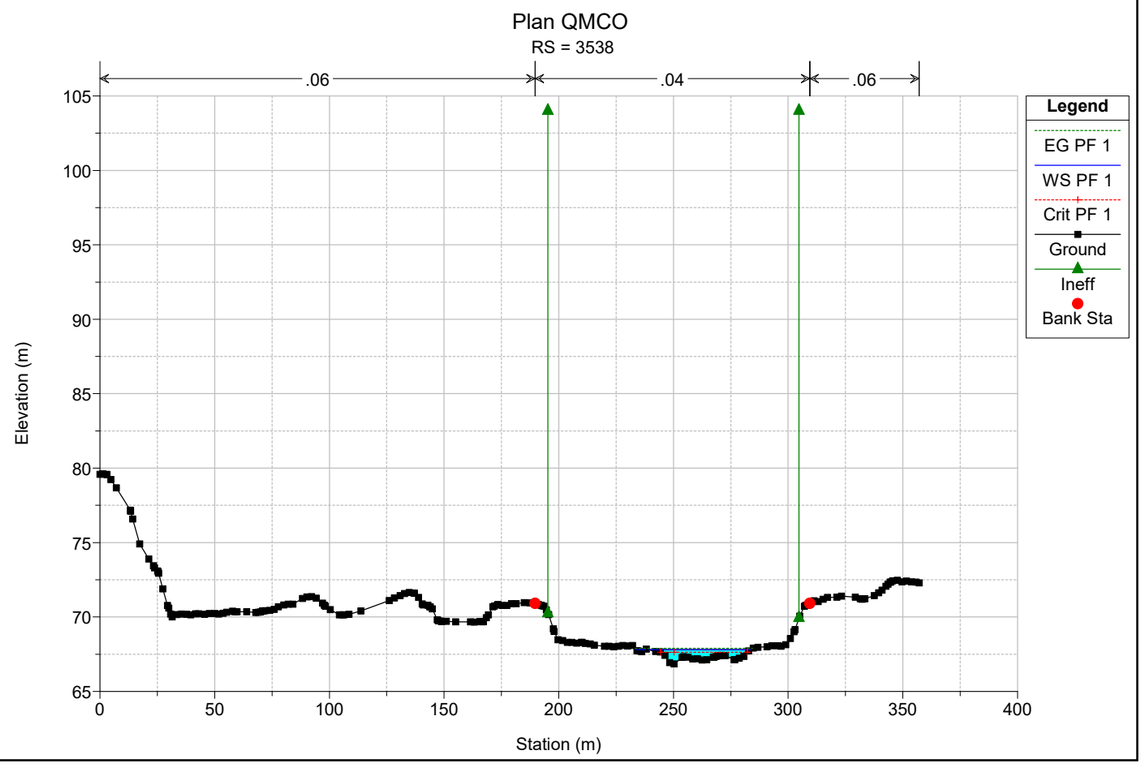

Plan QMCO
RS = 3717
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400

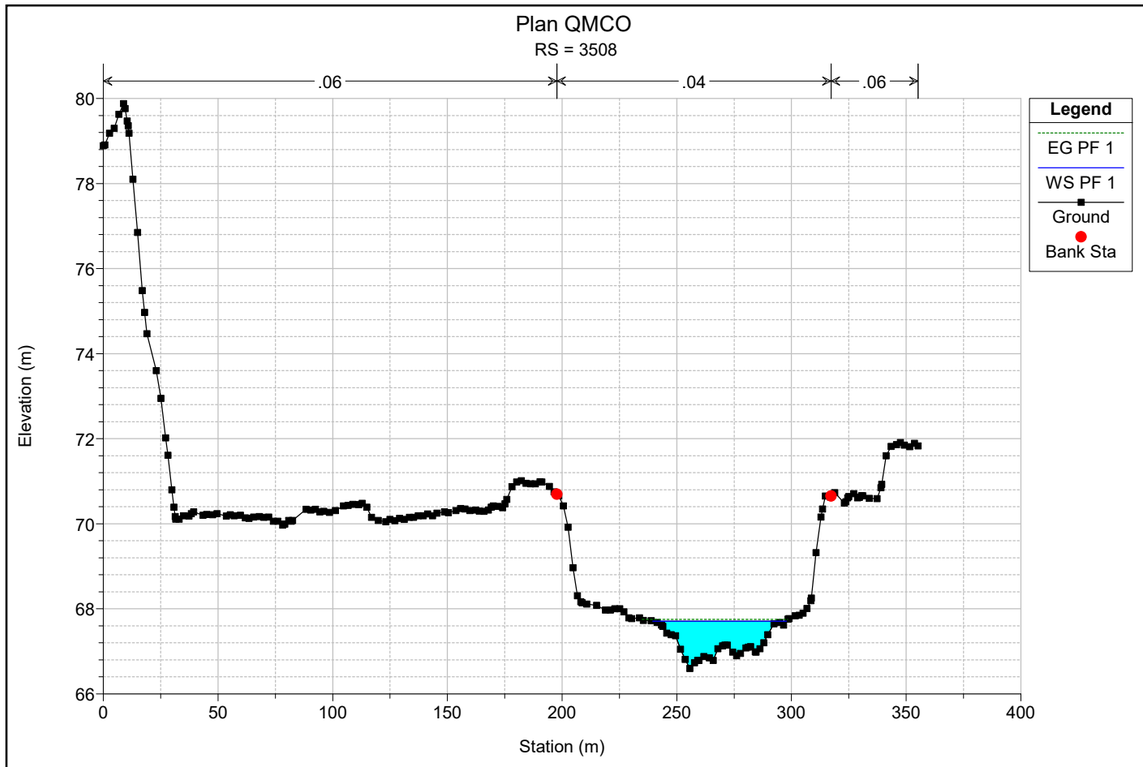

Plan QMCO
RS = 3678
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
50
100
150
200
250
300
350
400

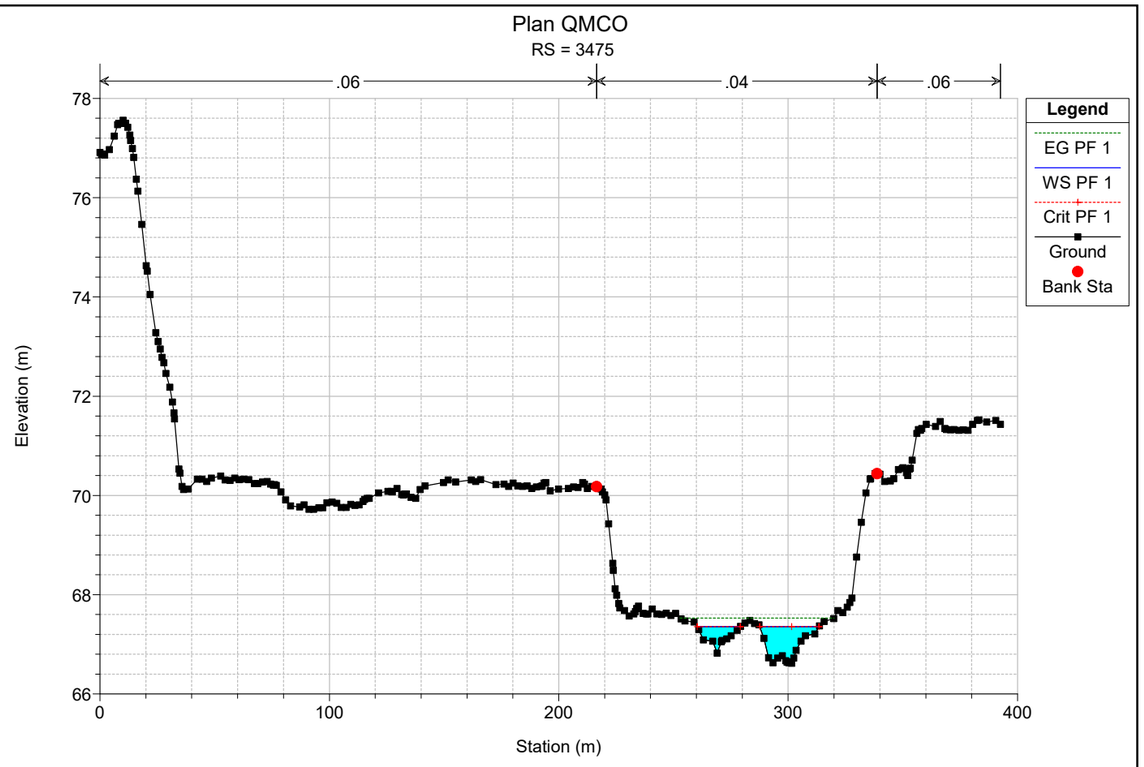

Plan QMCO
RS = 3644
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

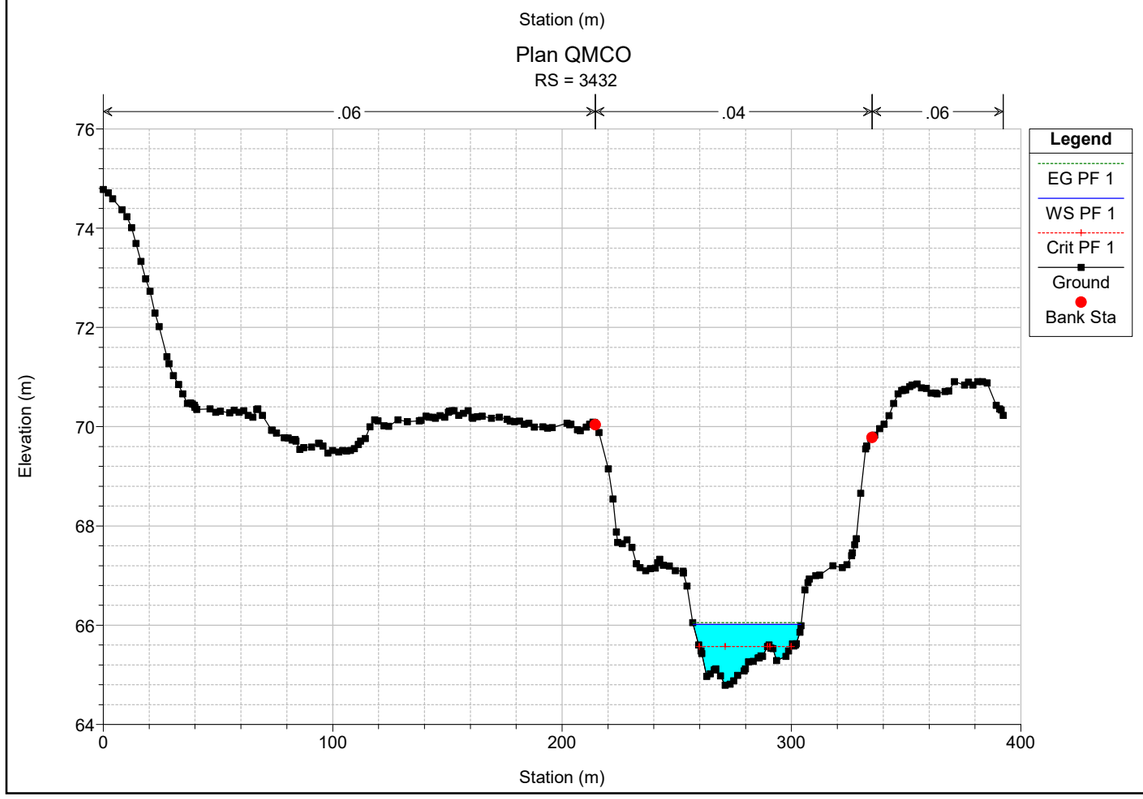

Plan QMCO
RS = 3612
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

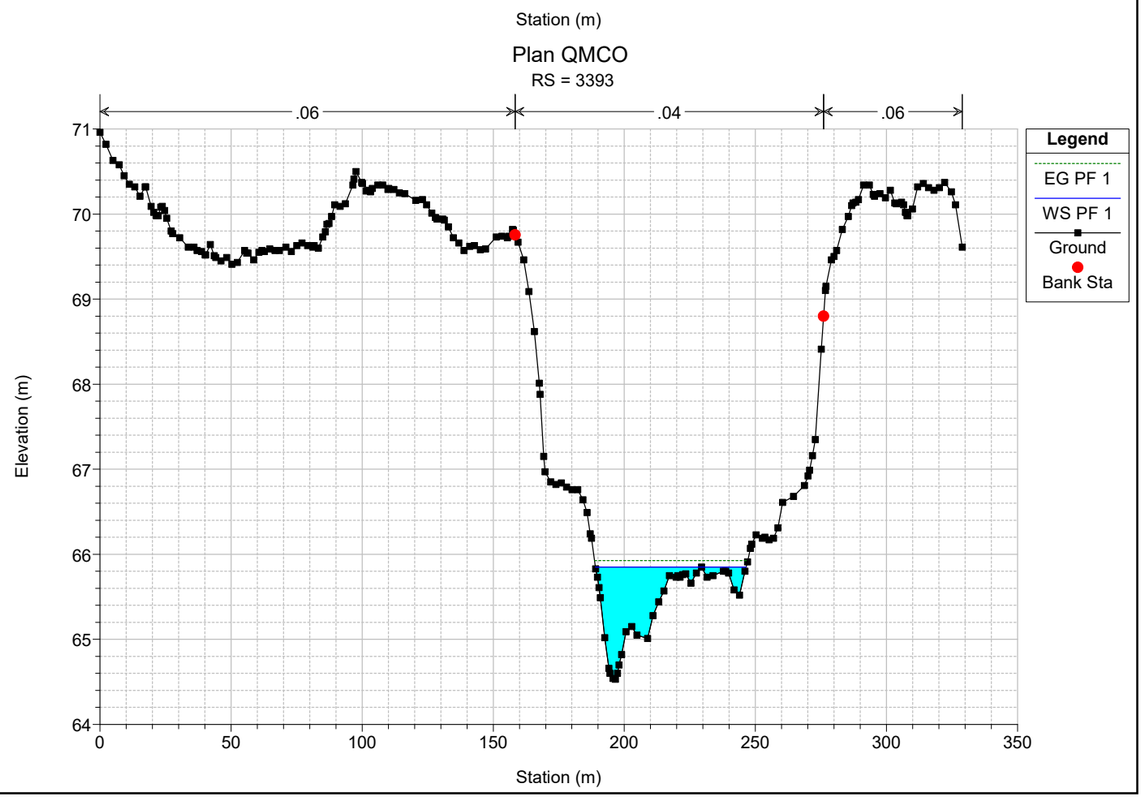

Plan QMCO
RS = 3576
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

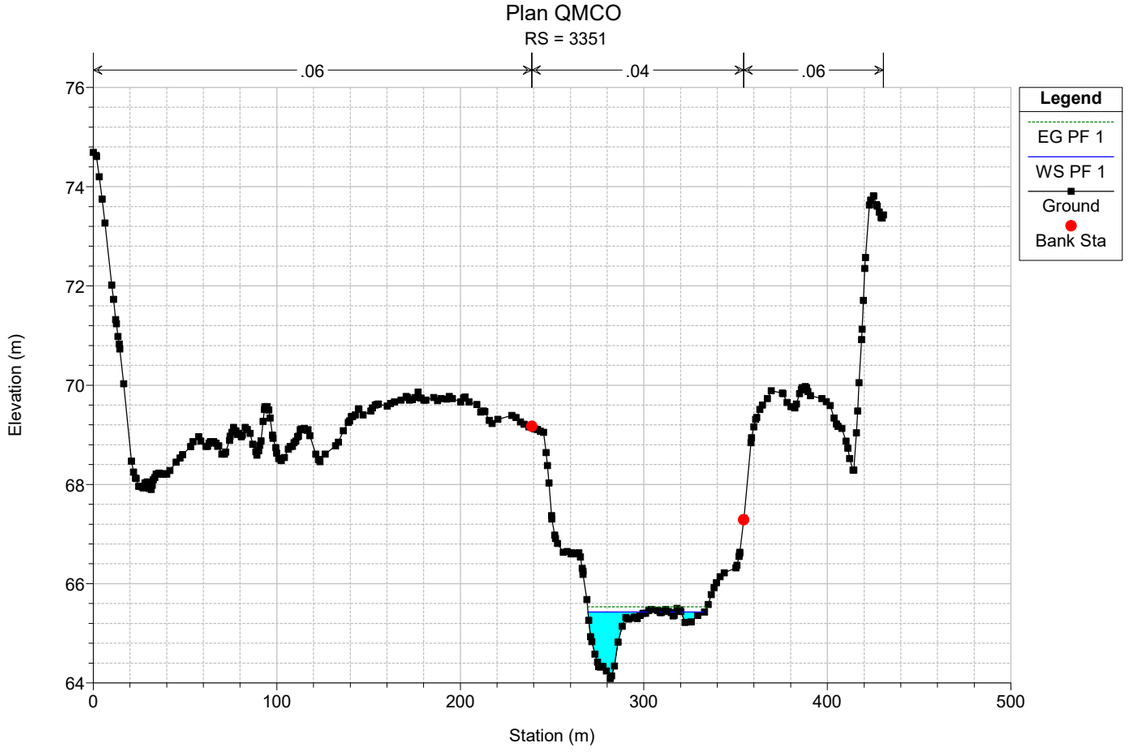

Plan QMCO
RS = 3538
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

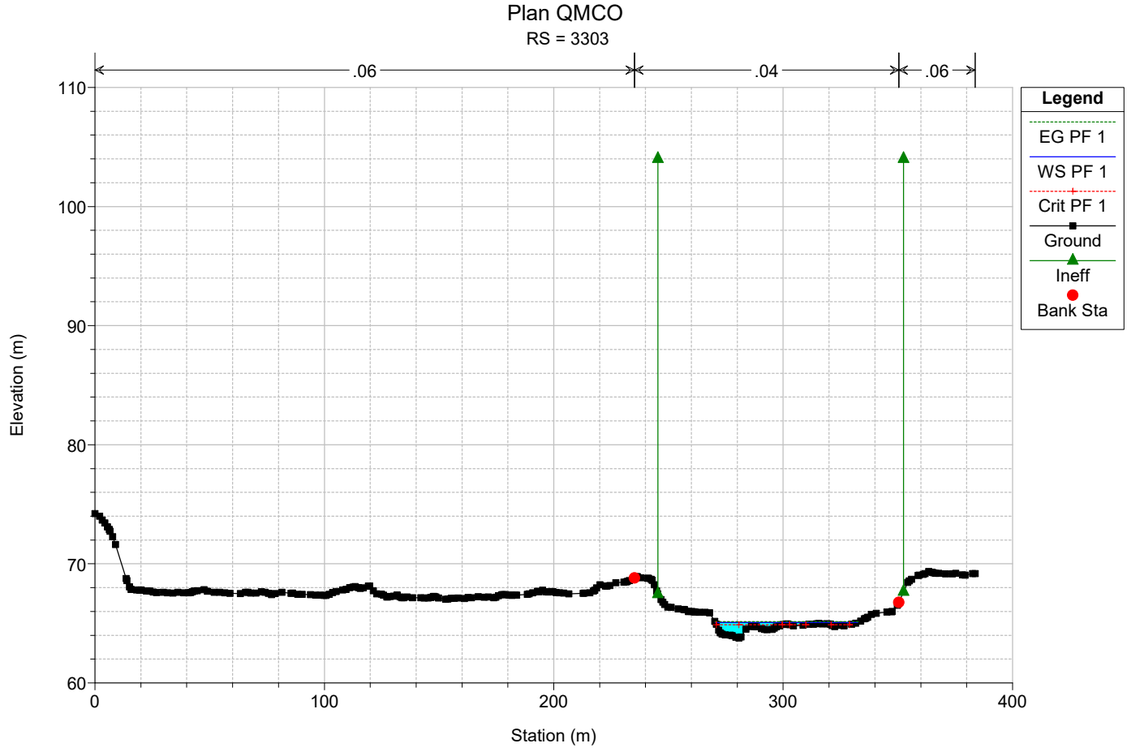

Plan QMCO
RS = 3508
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Ground
Bank Sta

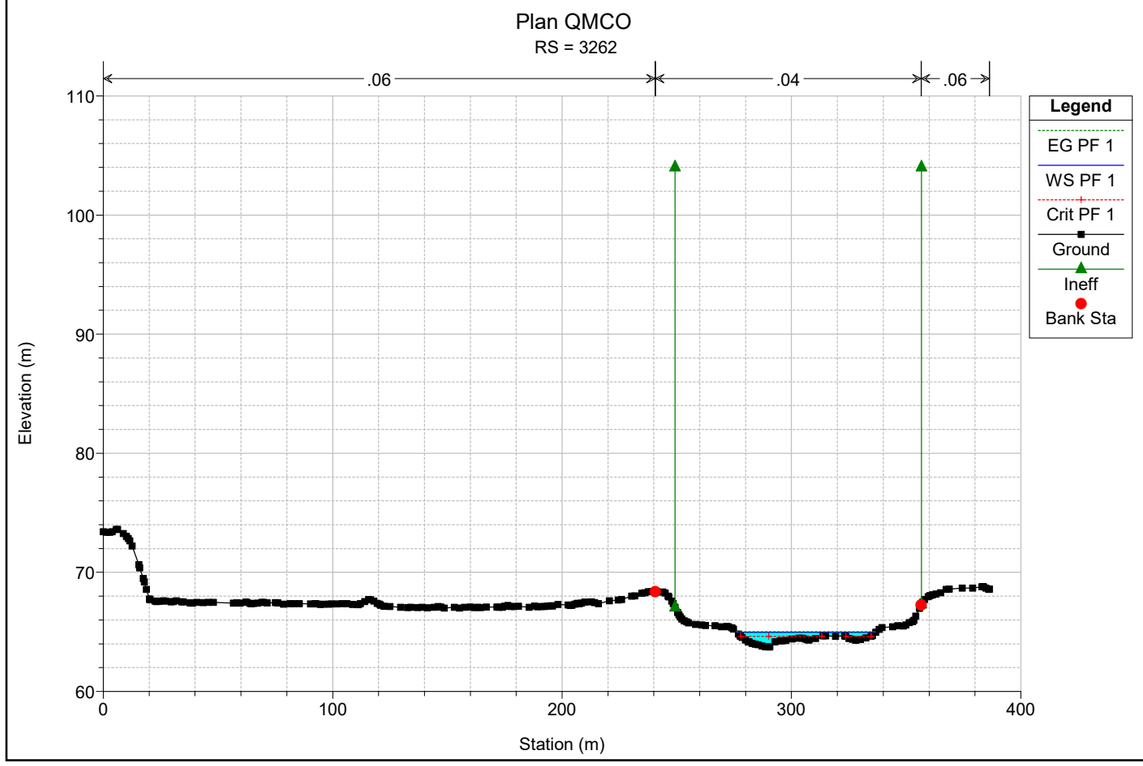

Plan QMCO
RS = 3475
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta

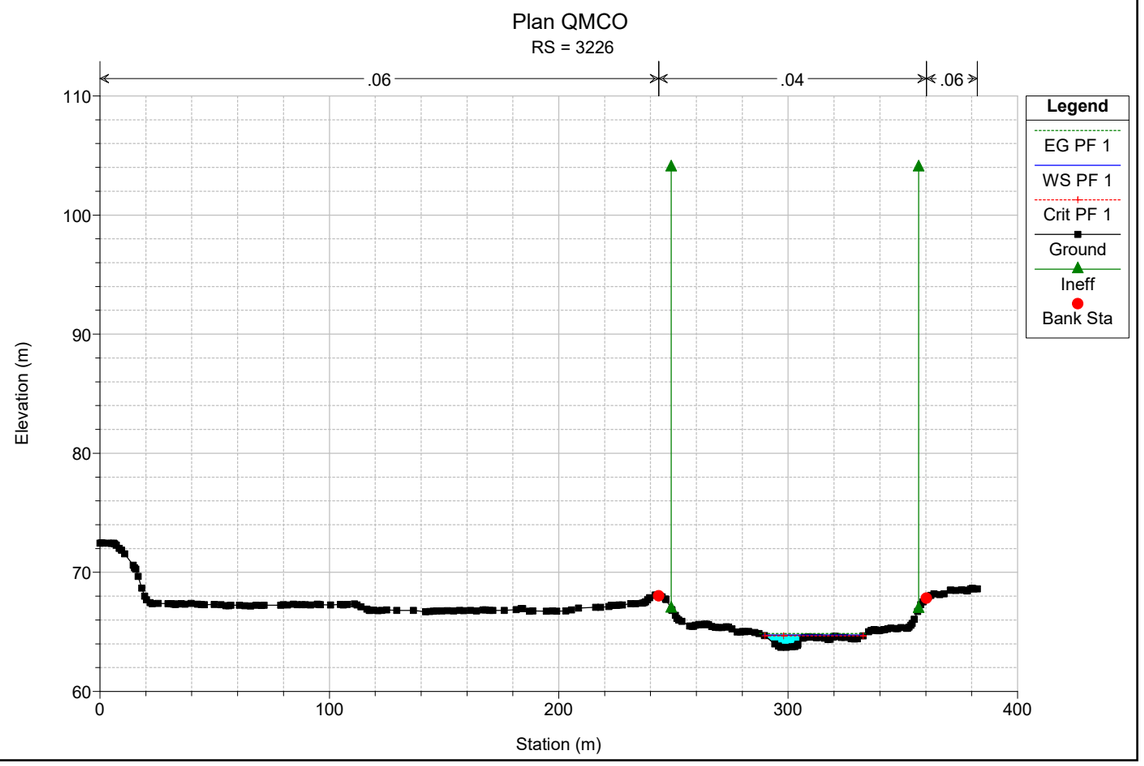

Plan QMCO
RS = 3432
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta

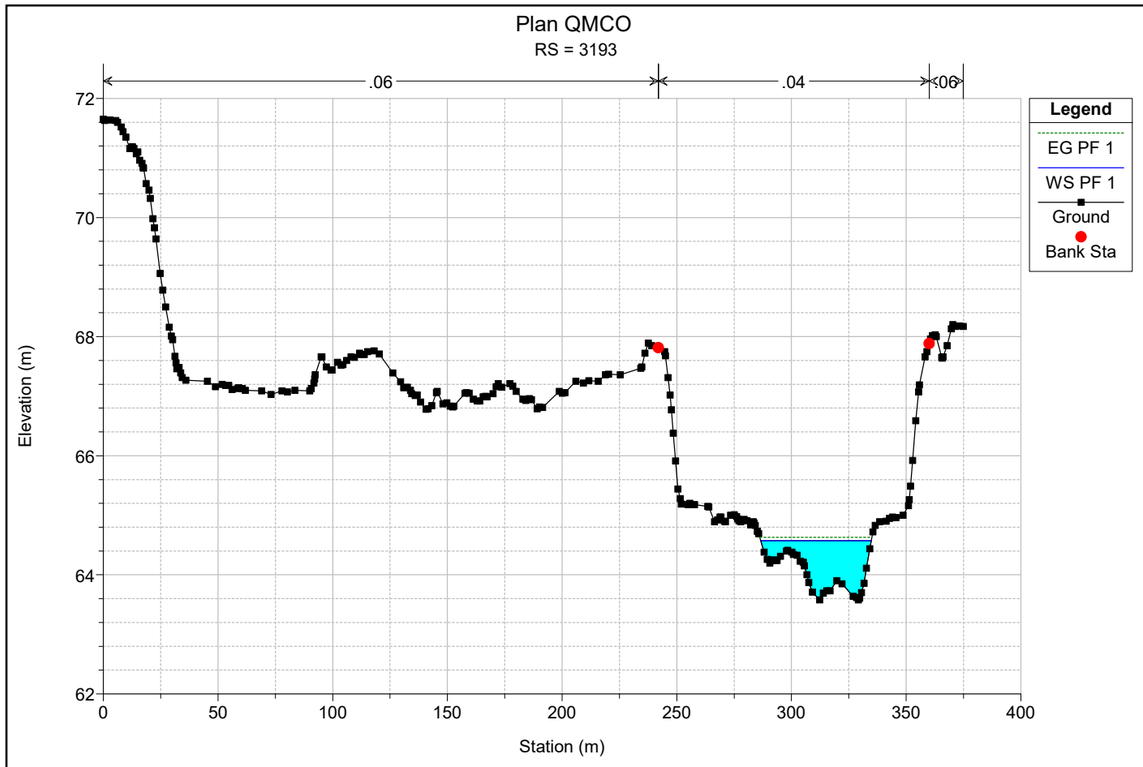

Plan QMCO
RS = 3393
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Ground
Bank Sta

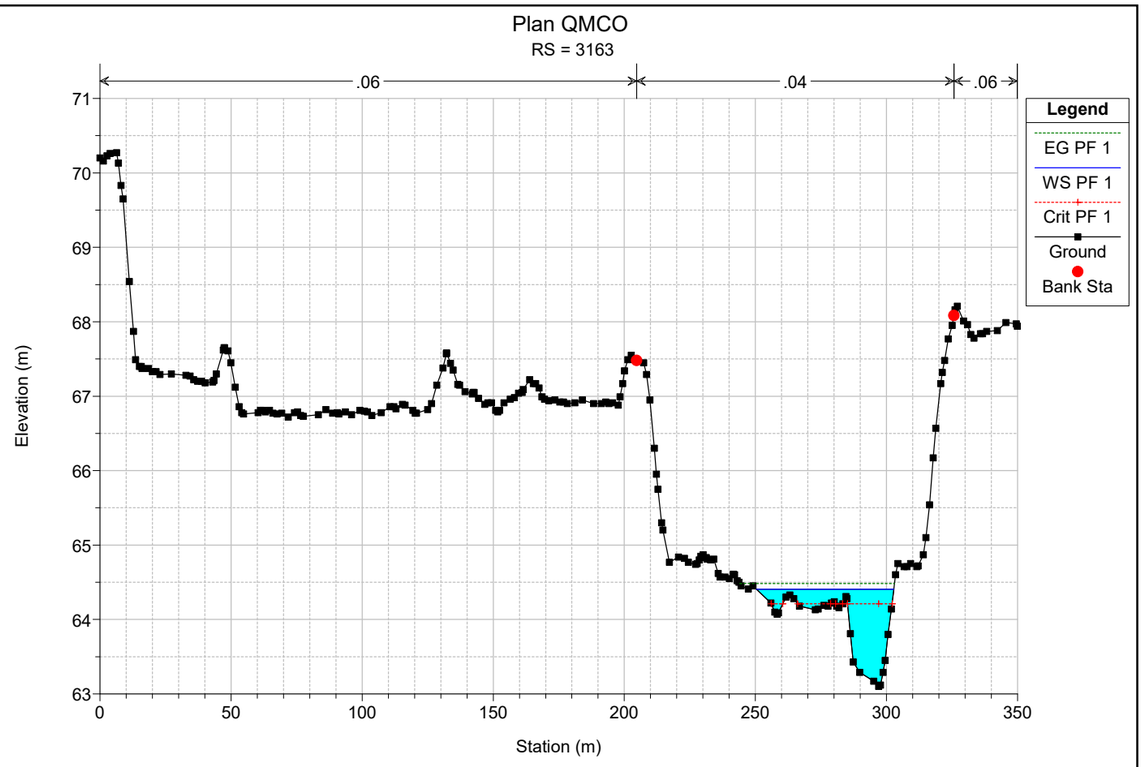

Plan QMCO
RS = 3351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
76
74
72
70
68
66
64
0
100
200
300
400
500

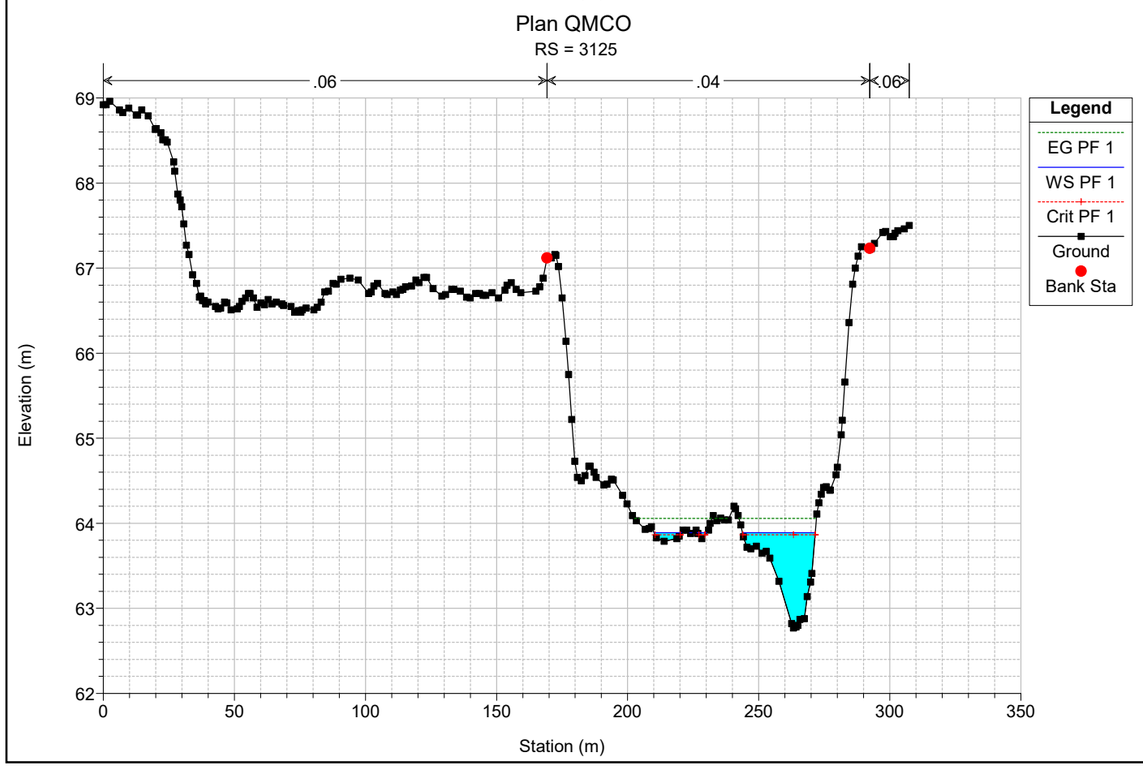

Plan QMCO
RS = 3303
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

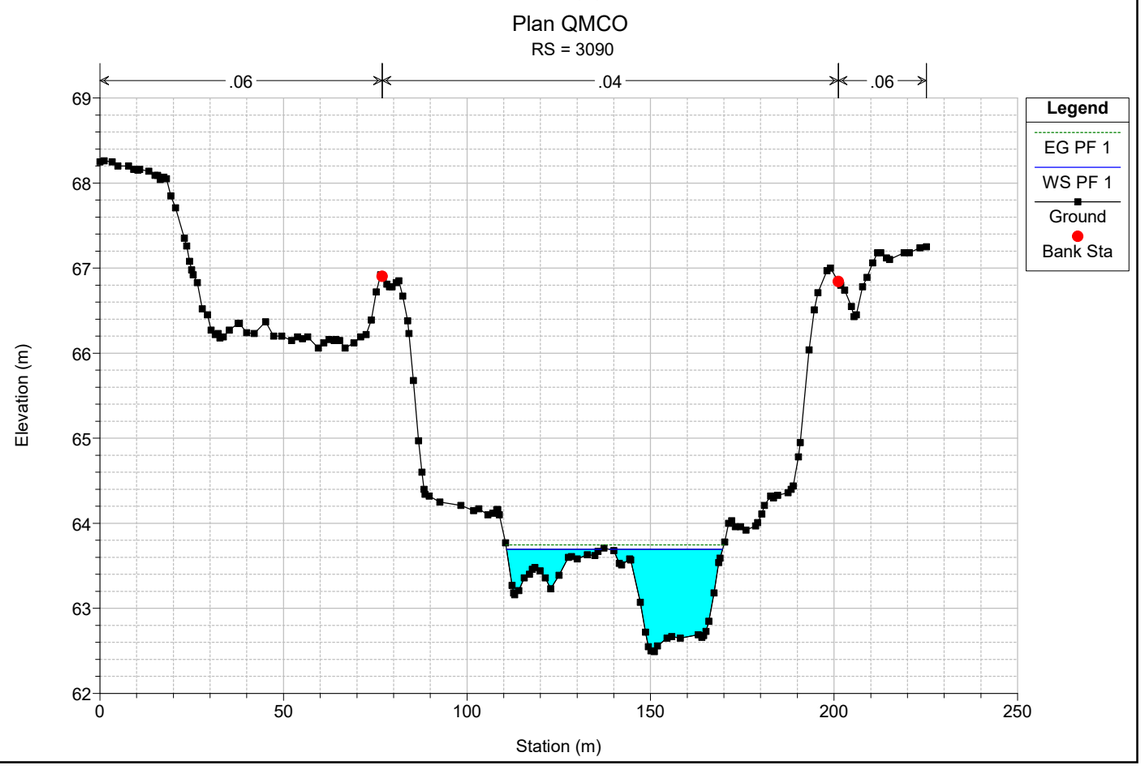

Plan QMCO
RS = 3262
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

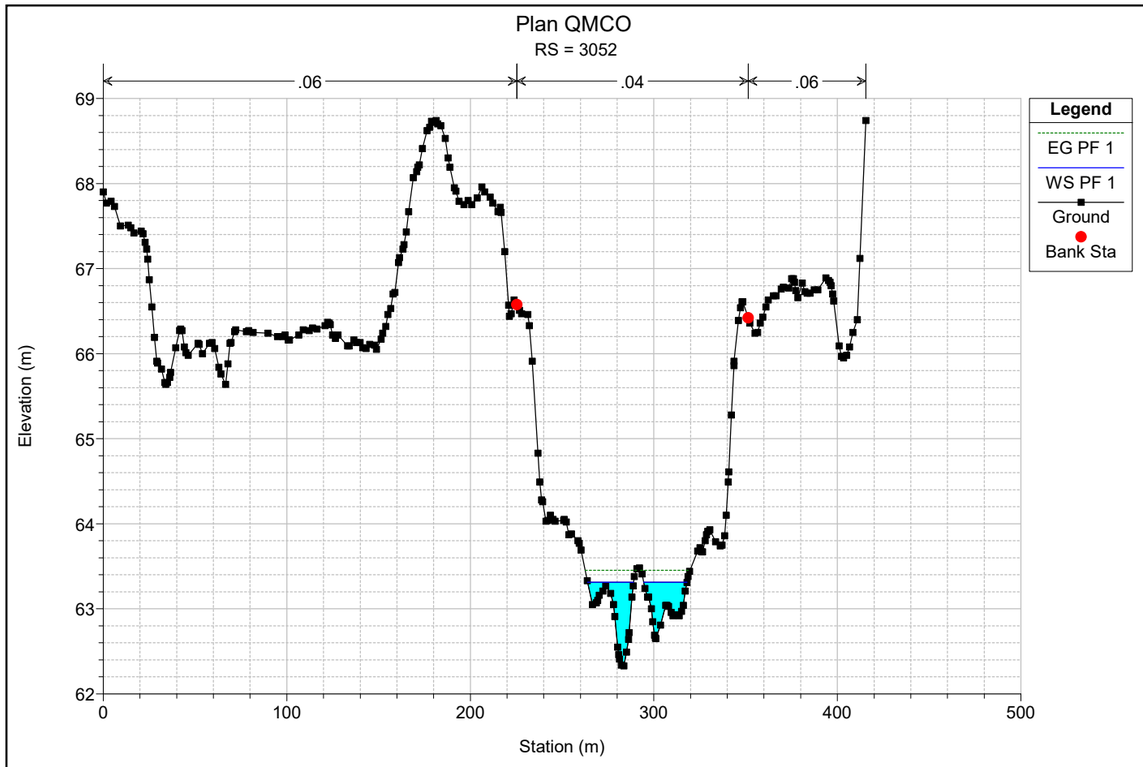

Plan QMCO
RS = 3226
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

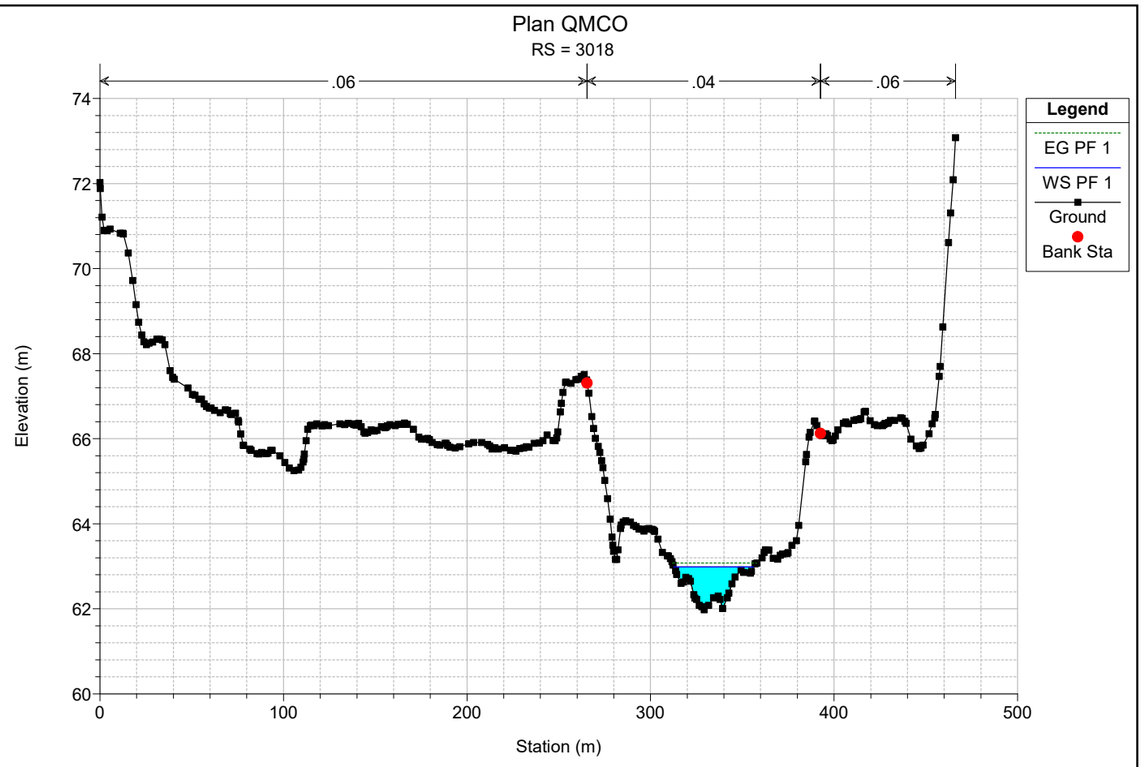

Plan QMCO
RS = 3193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

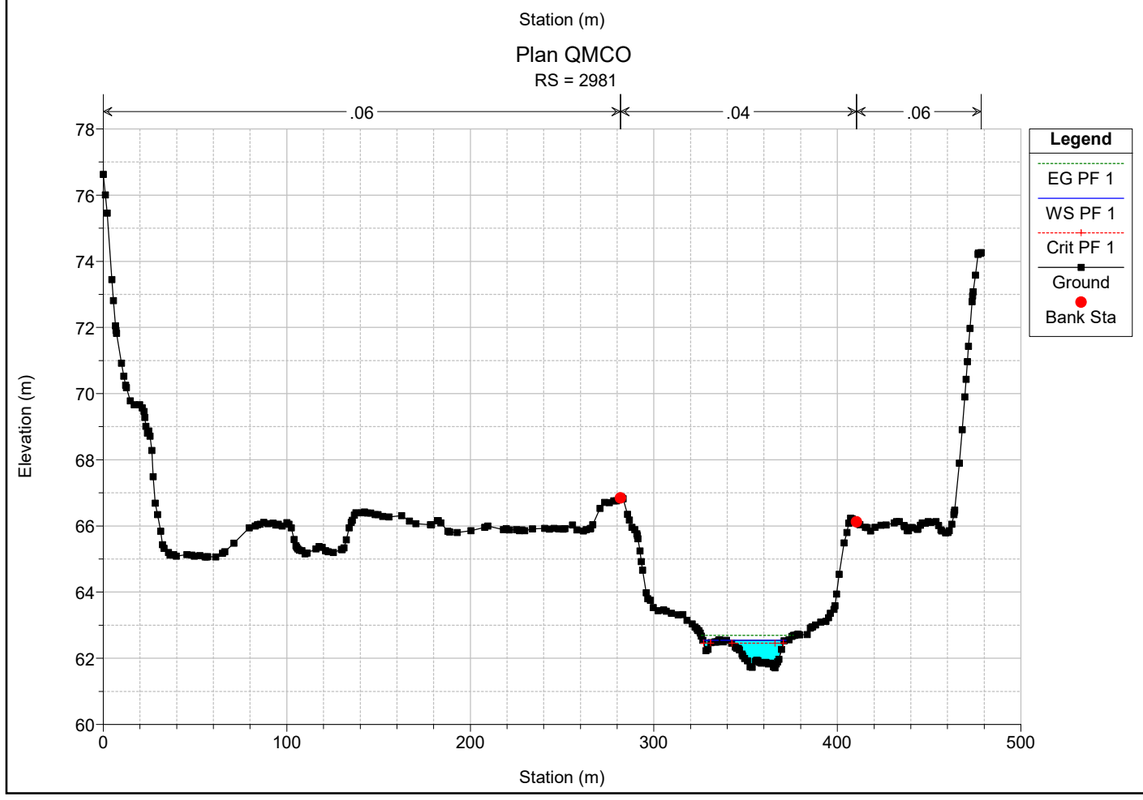

Plan QMCO
RS = 3163
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

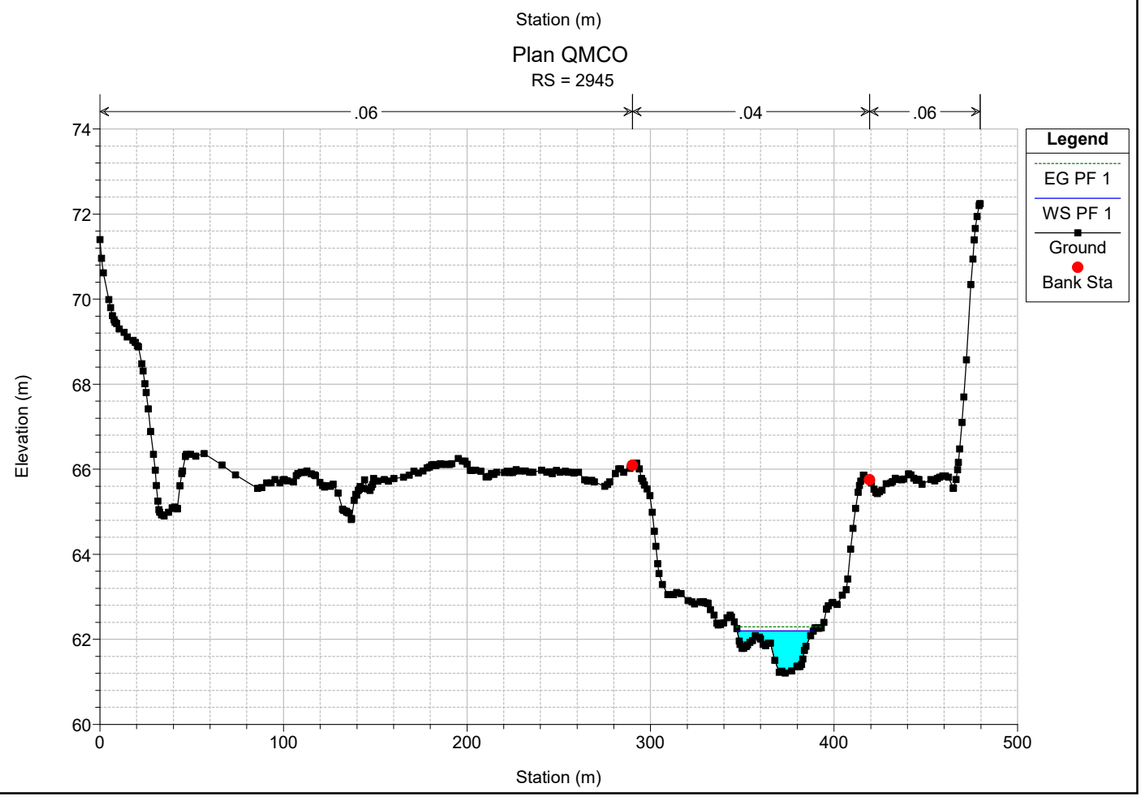

Plan QMCO
RS = 3125
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

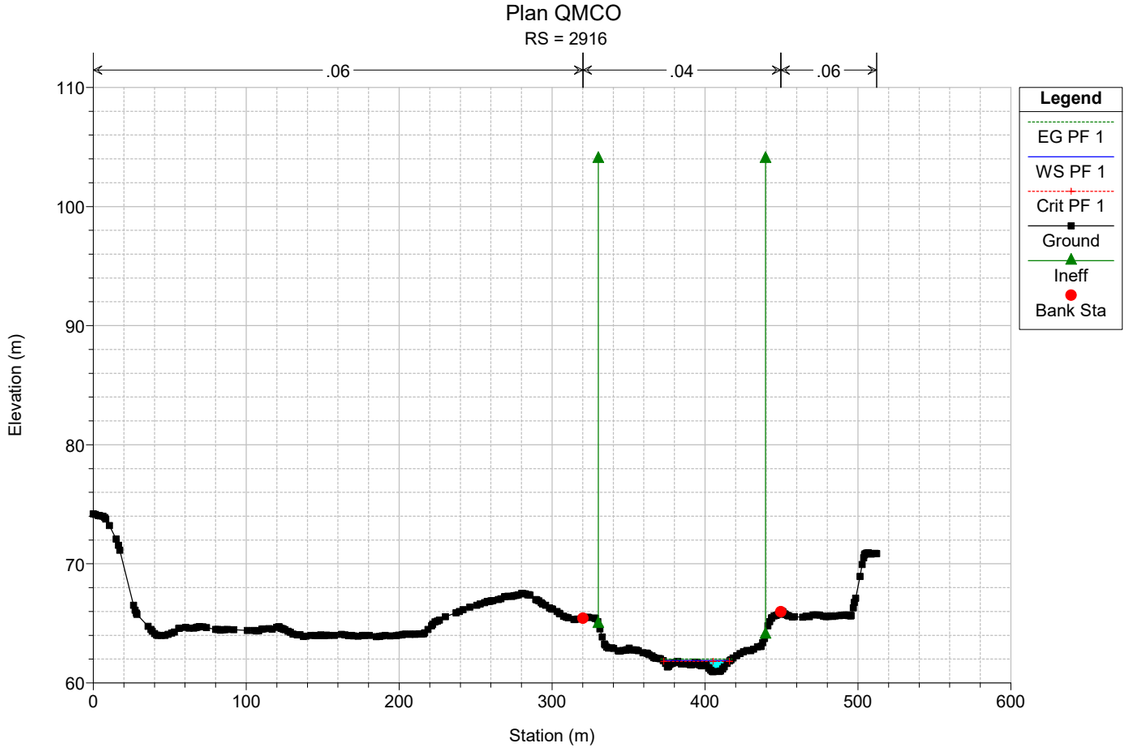

Plan QMCO
RS = 3090
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

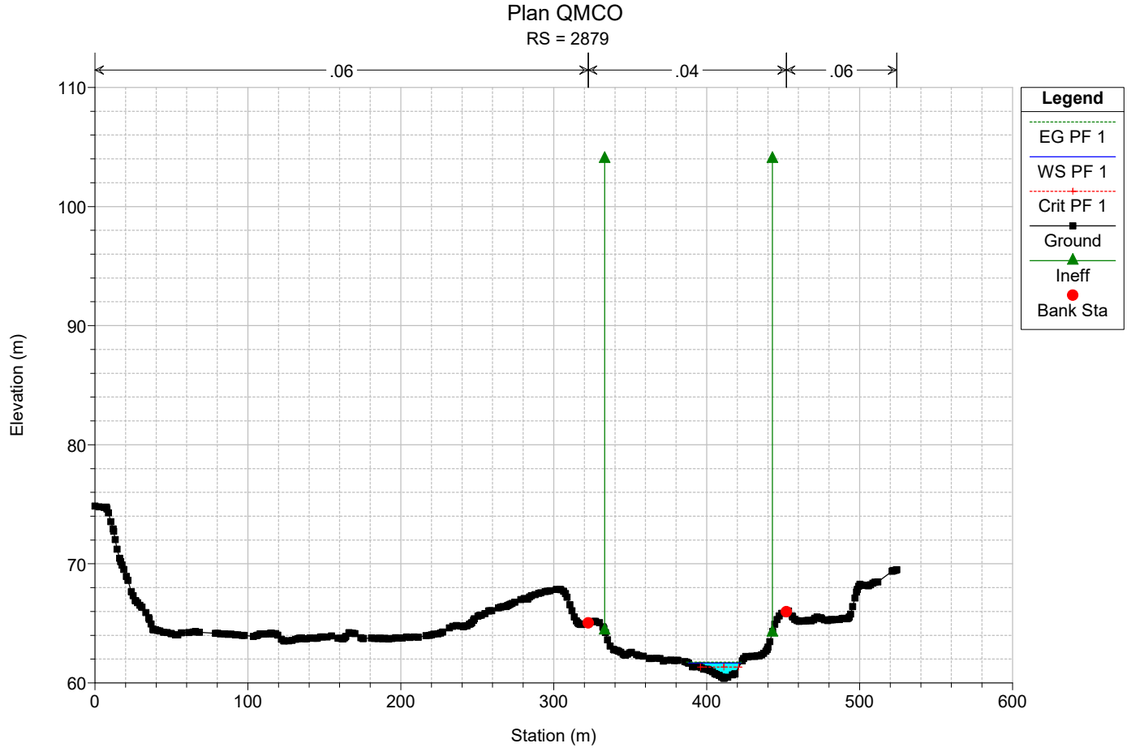

Plan QMCO
RS = 3052
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

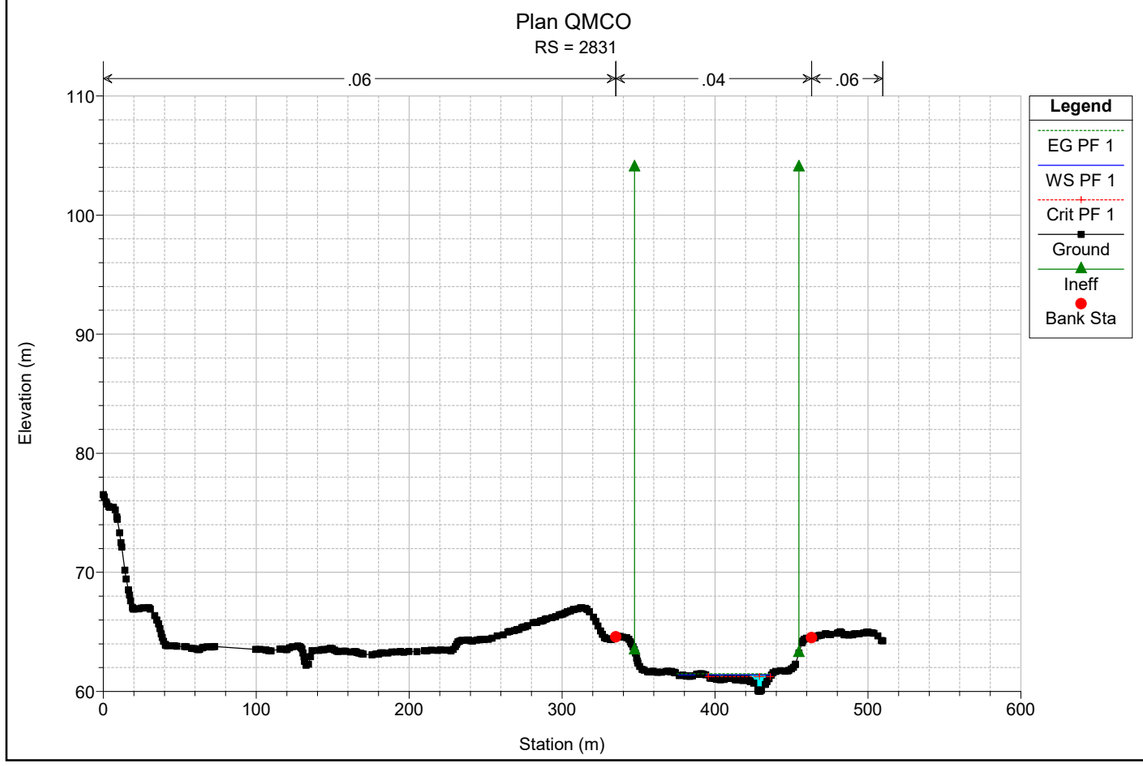

Plan QMCO
RS = 3018
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

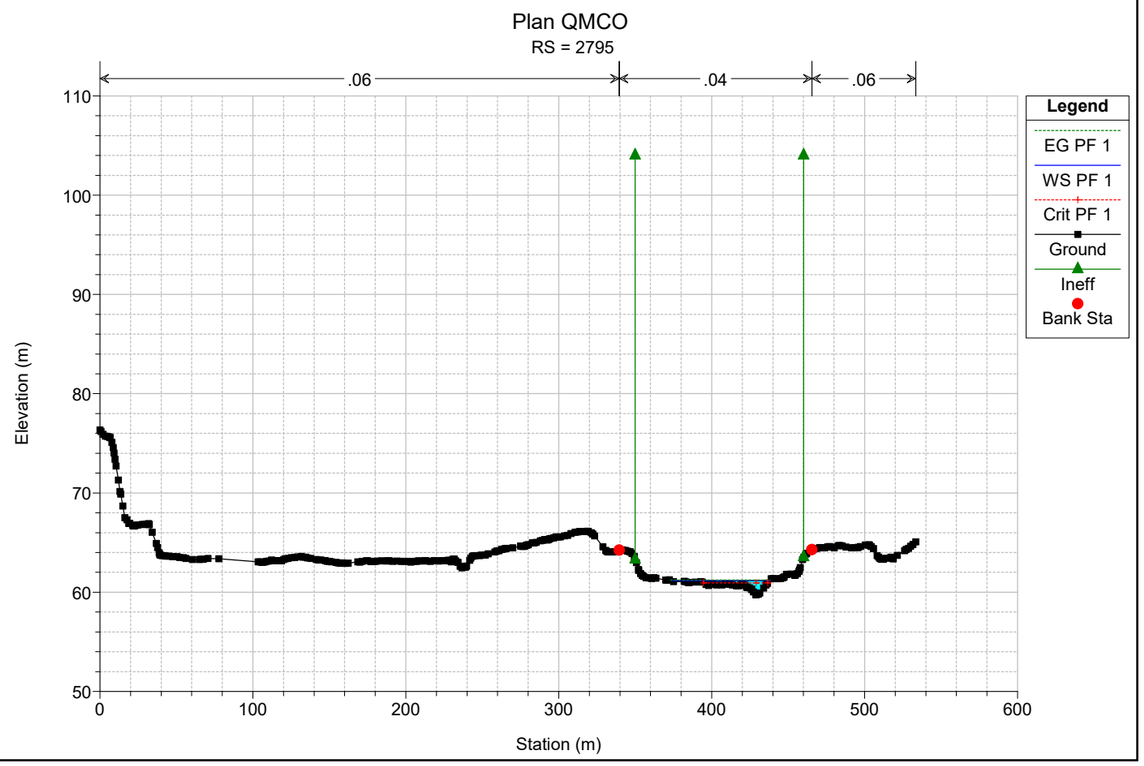

Plan QMCO
RS = 2981
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

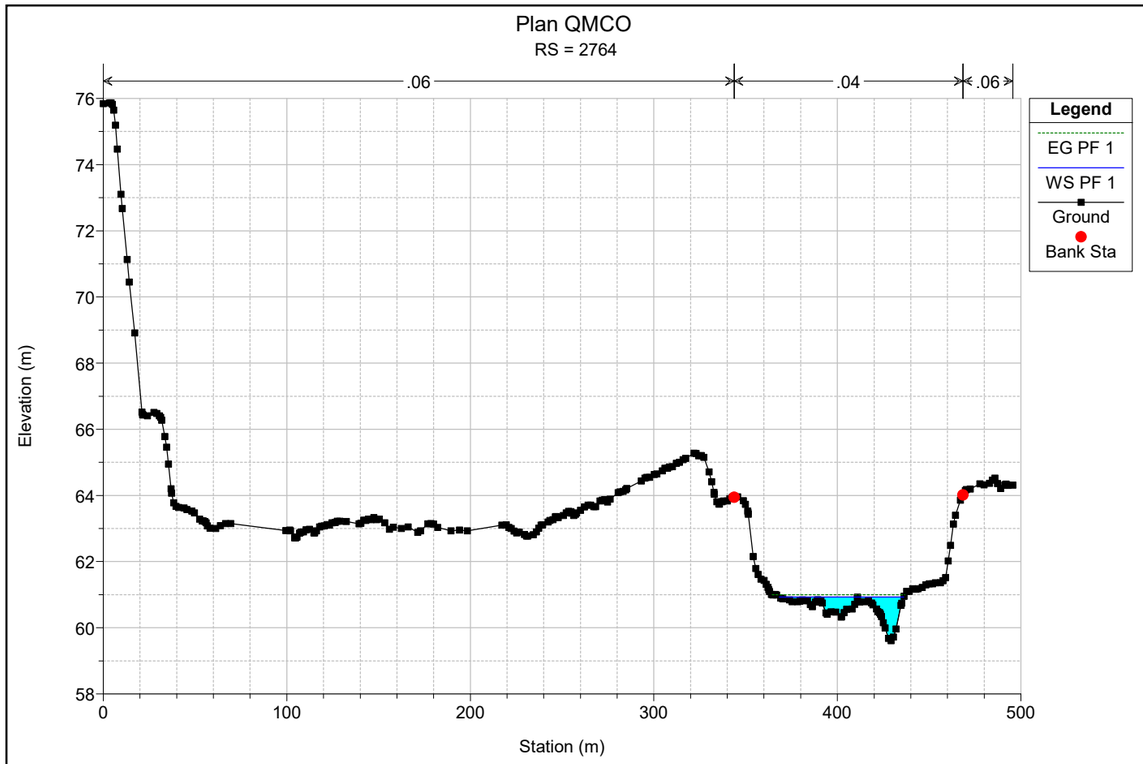

Plan QMCO
RS = 2945
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

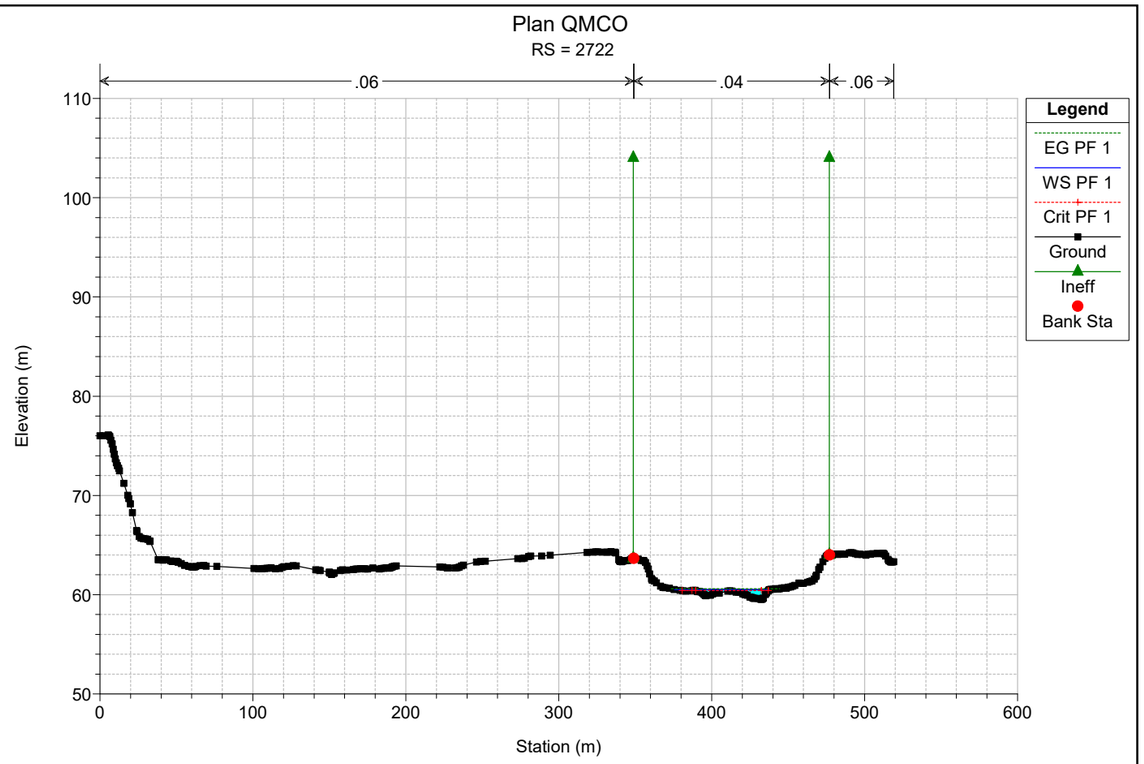

Plan QMCO
RS = 2916
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600

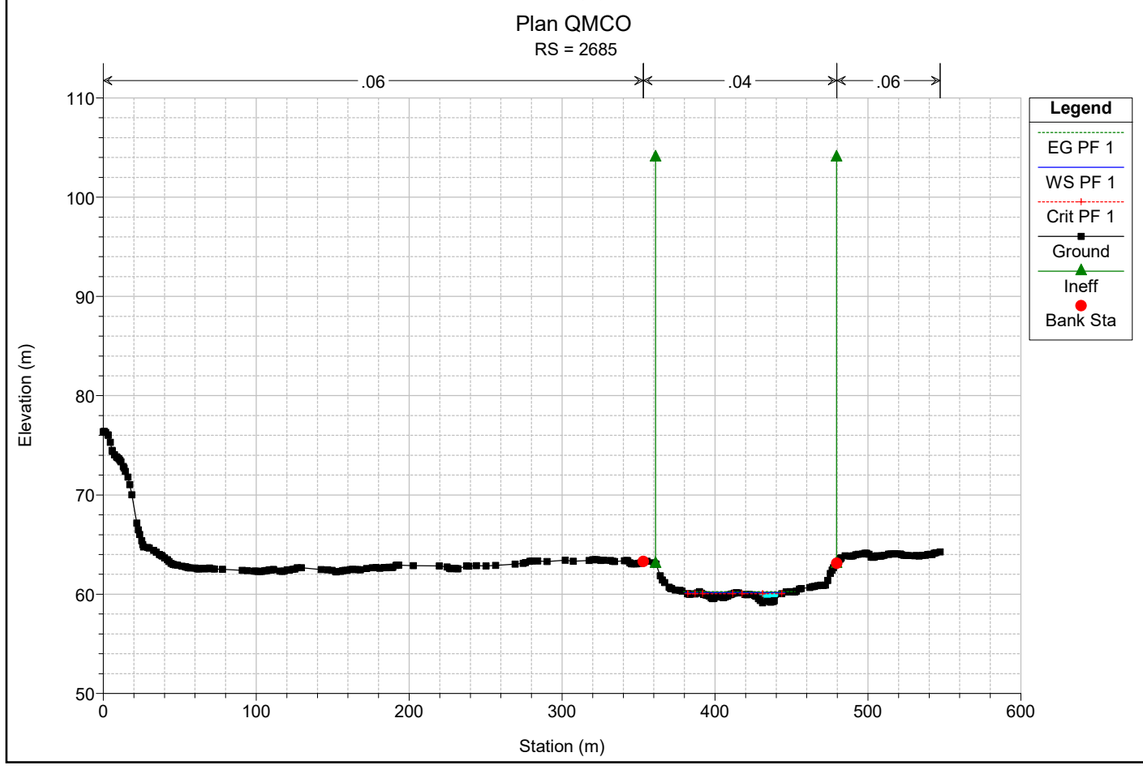

Plan QMCO
RS = 2879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600

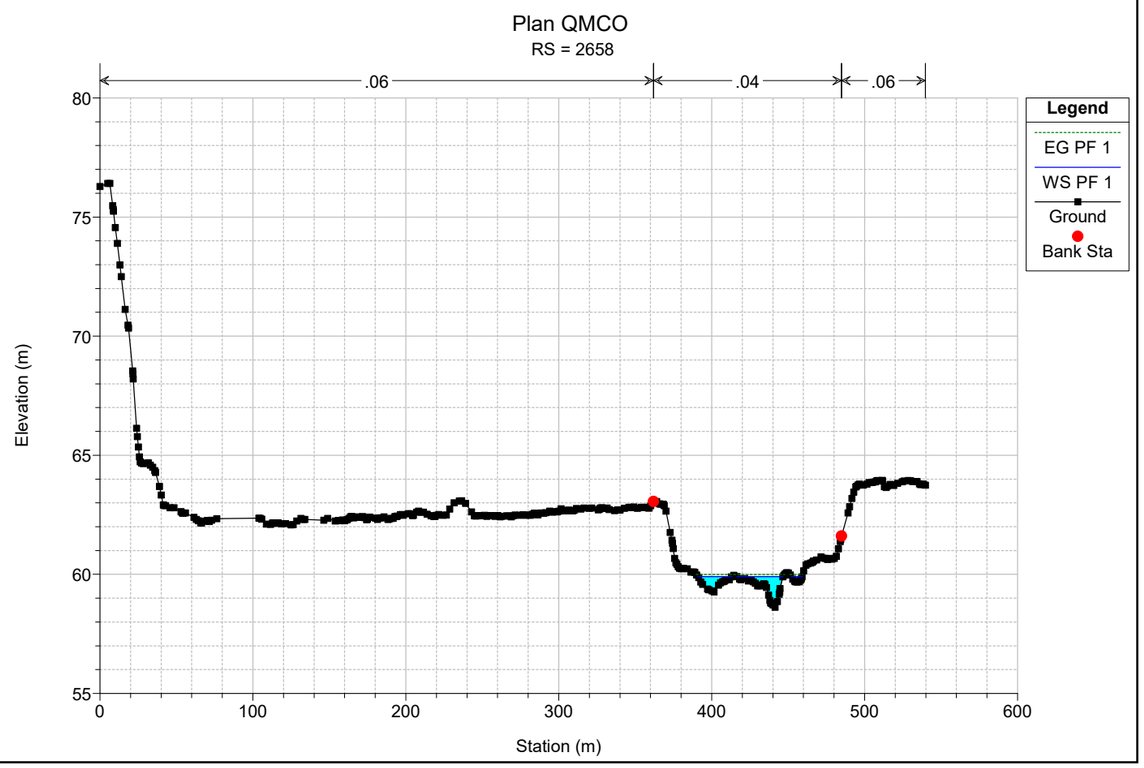

Plan QMCO
RS = 2831
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600

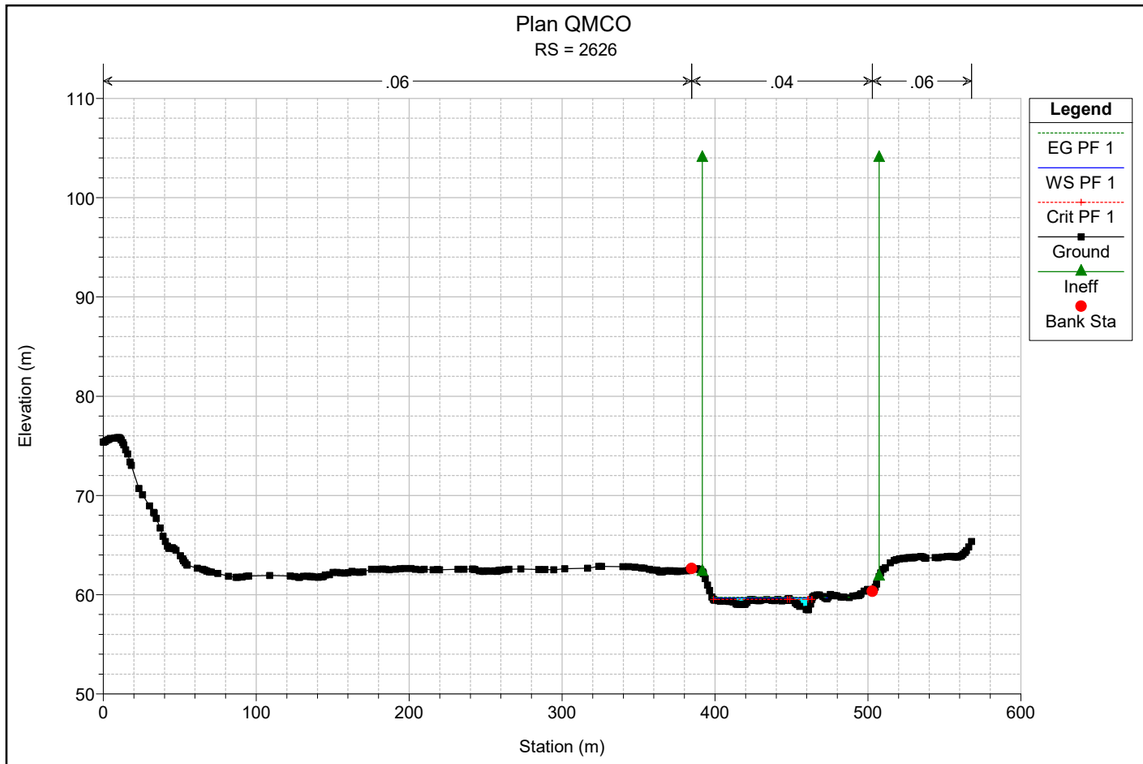

Plan QMCO
RS = 2795
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

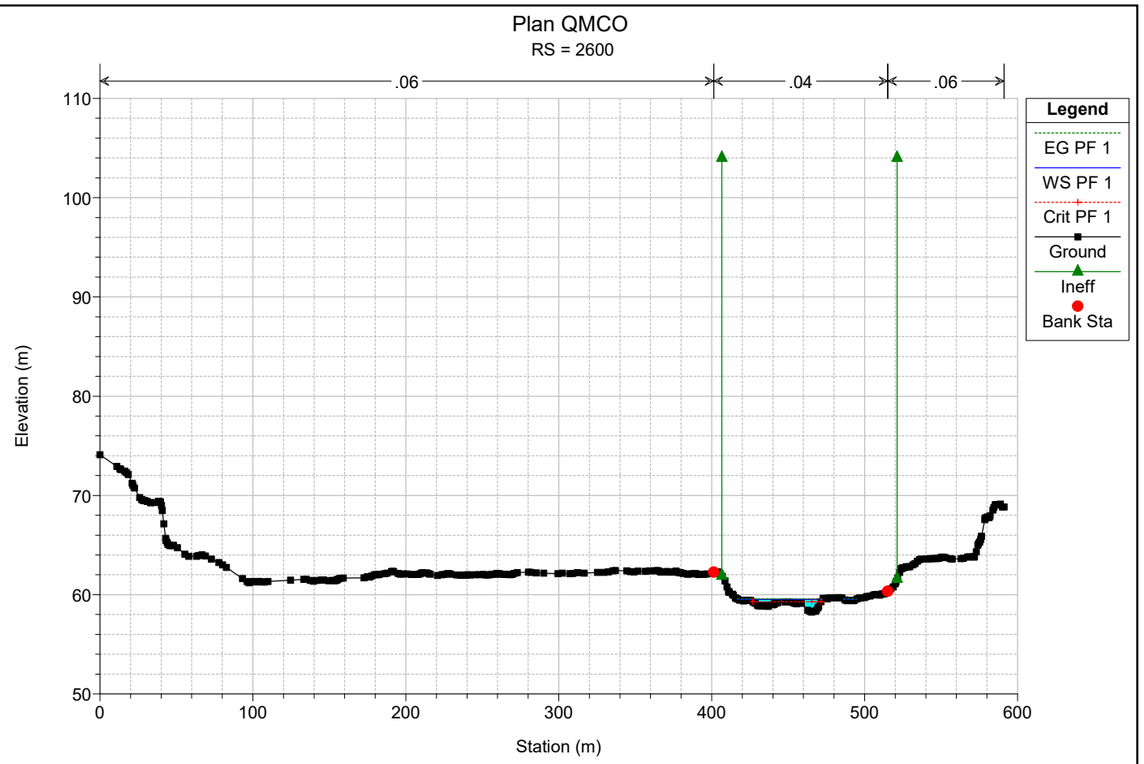

Plan QMCO
RS = 2764
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

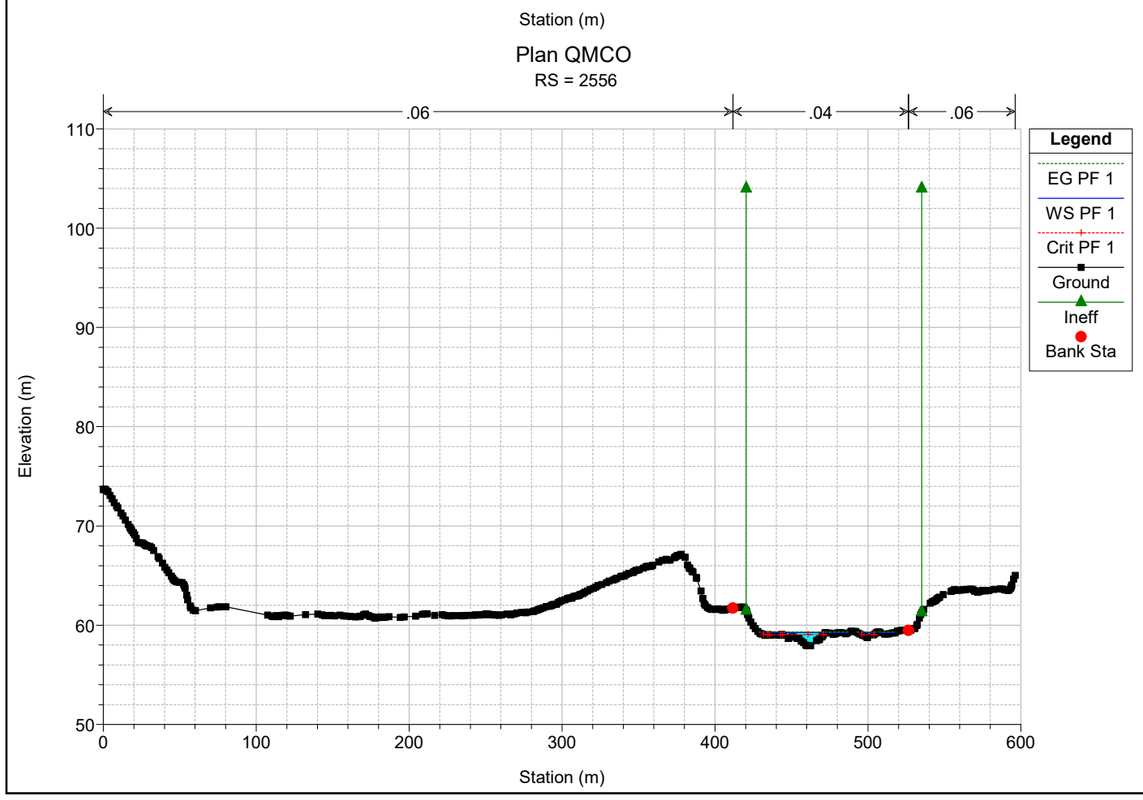

Plan QMCO
RS = 2722
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

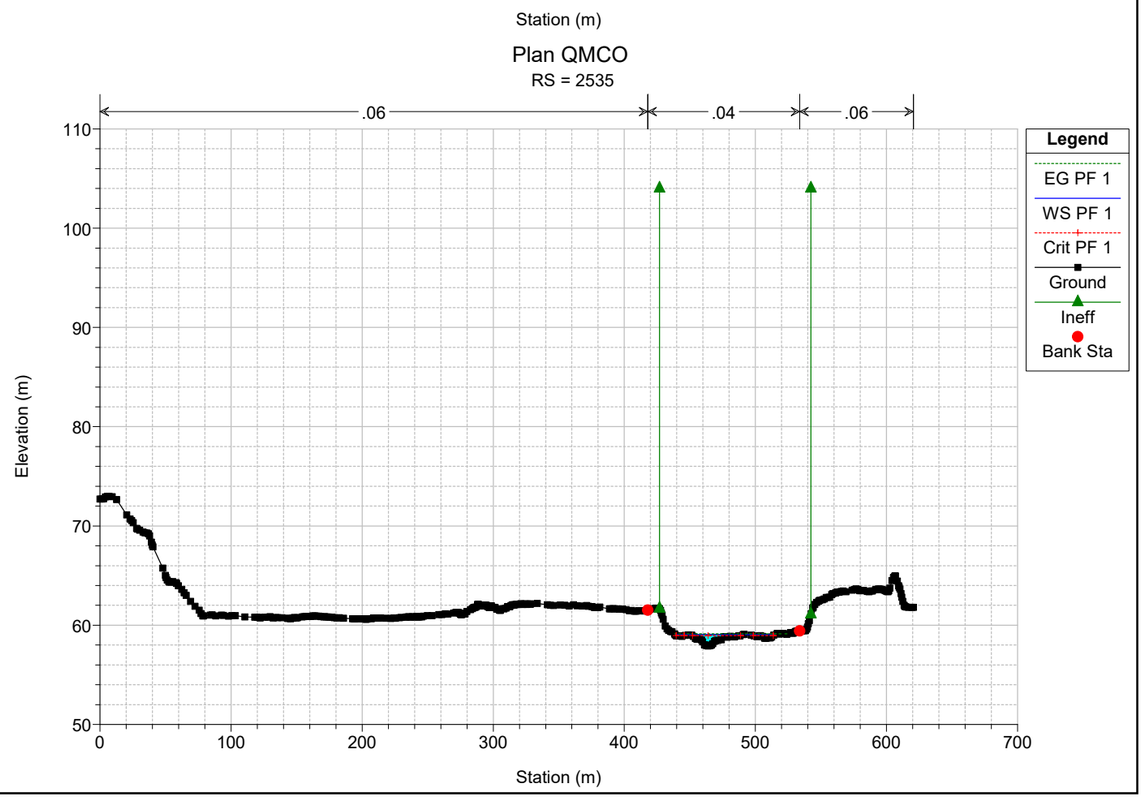

Plan QMCO
RS = 2685
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

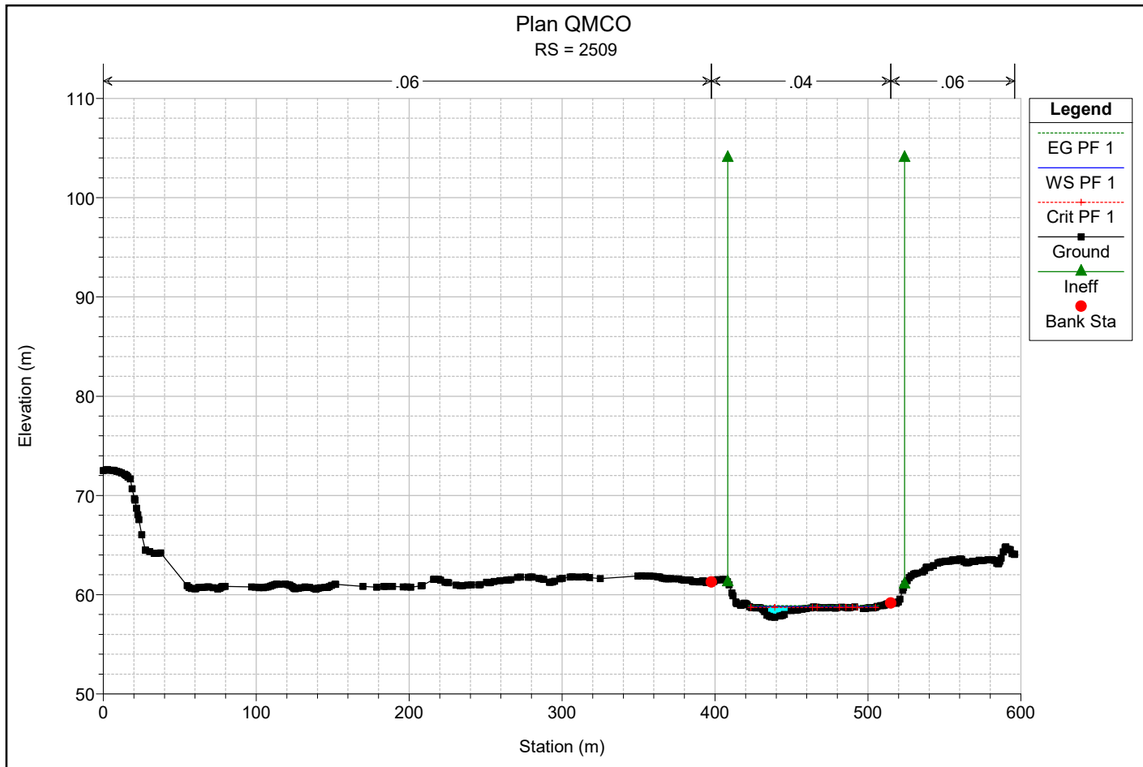

Plan QMCO
RS = 2658
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

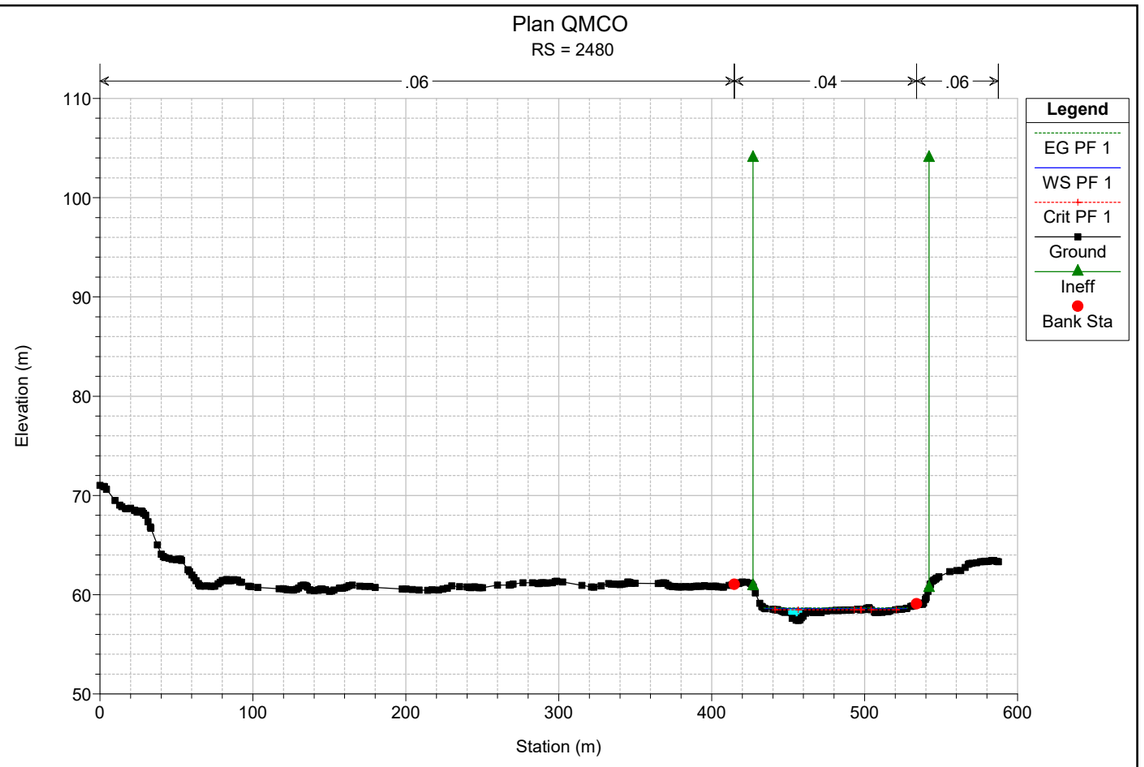

Plan QMCO
RS = 2626
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

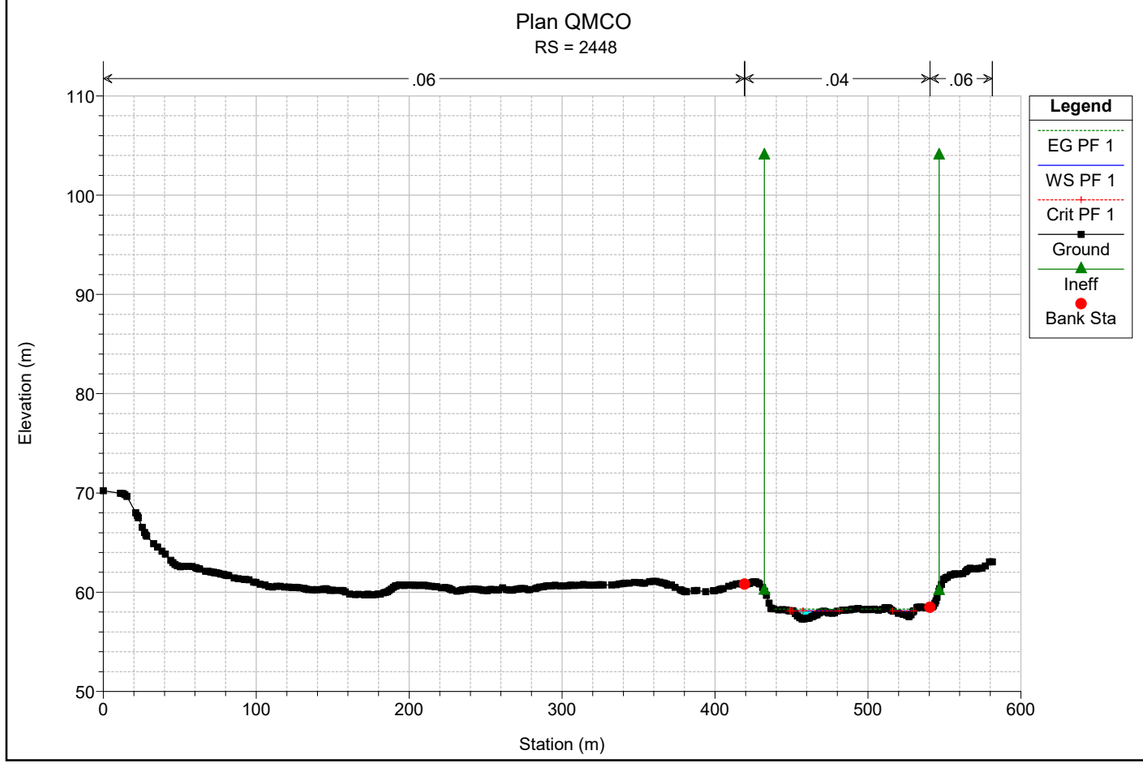

Plan QMCO
RS = 2600
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

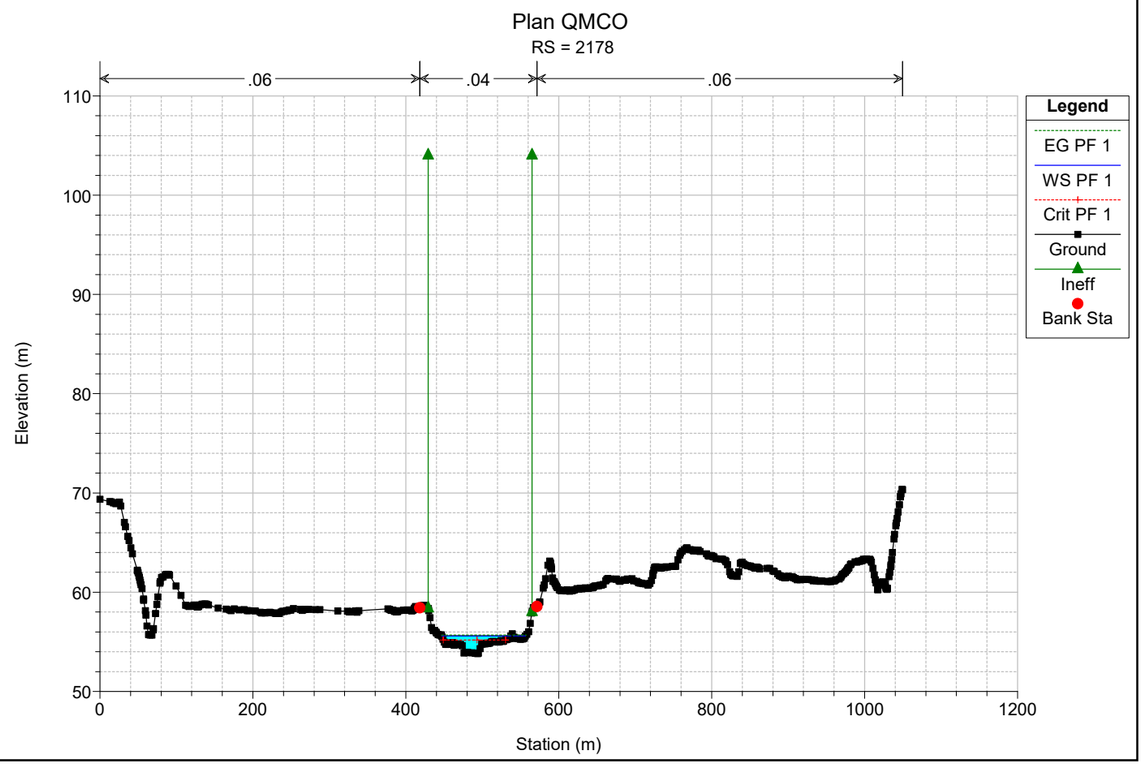

Plan QMCO
RS = 2556
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

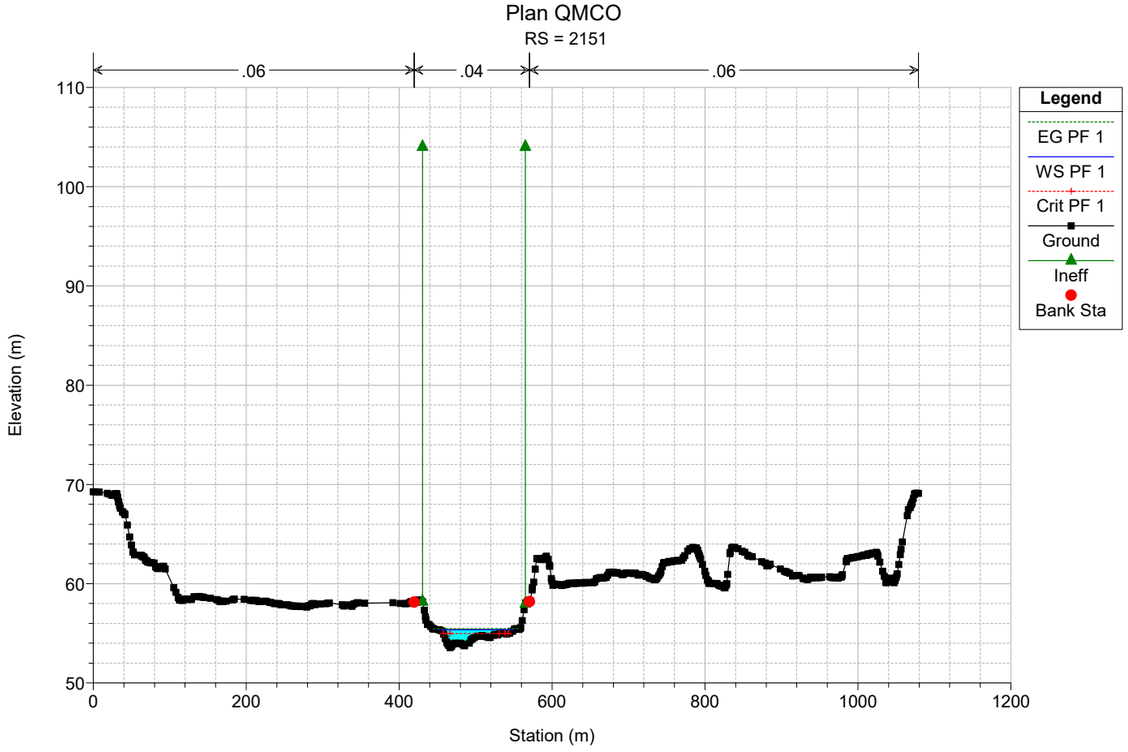

Plan QMCO
RS = 2535
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

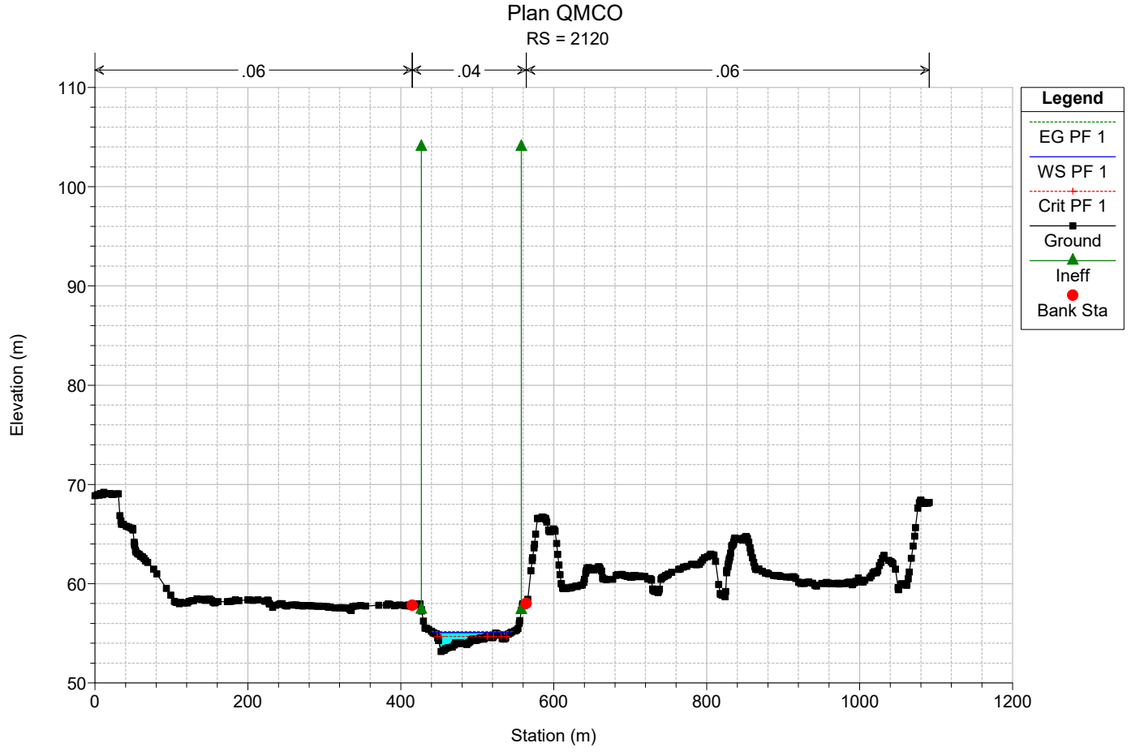

Plan QMCO
RS = 2509
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

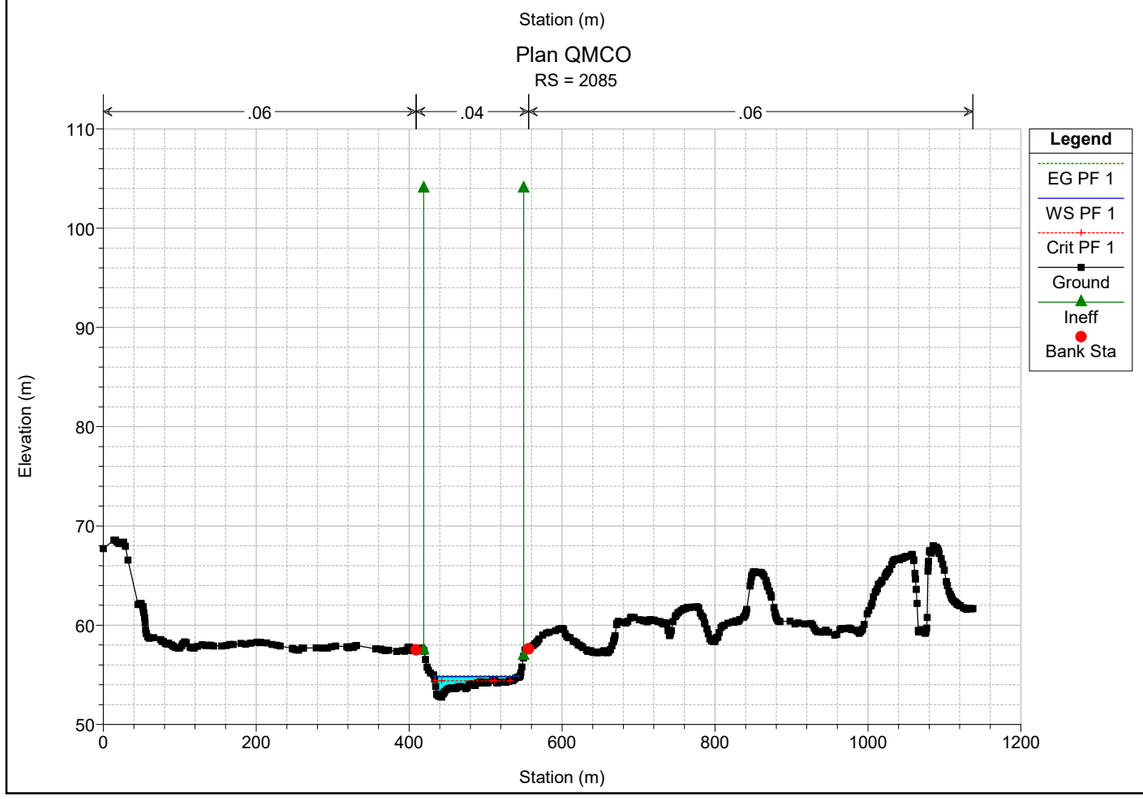

Plan QMCO
RS = 2480
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

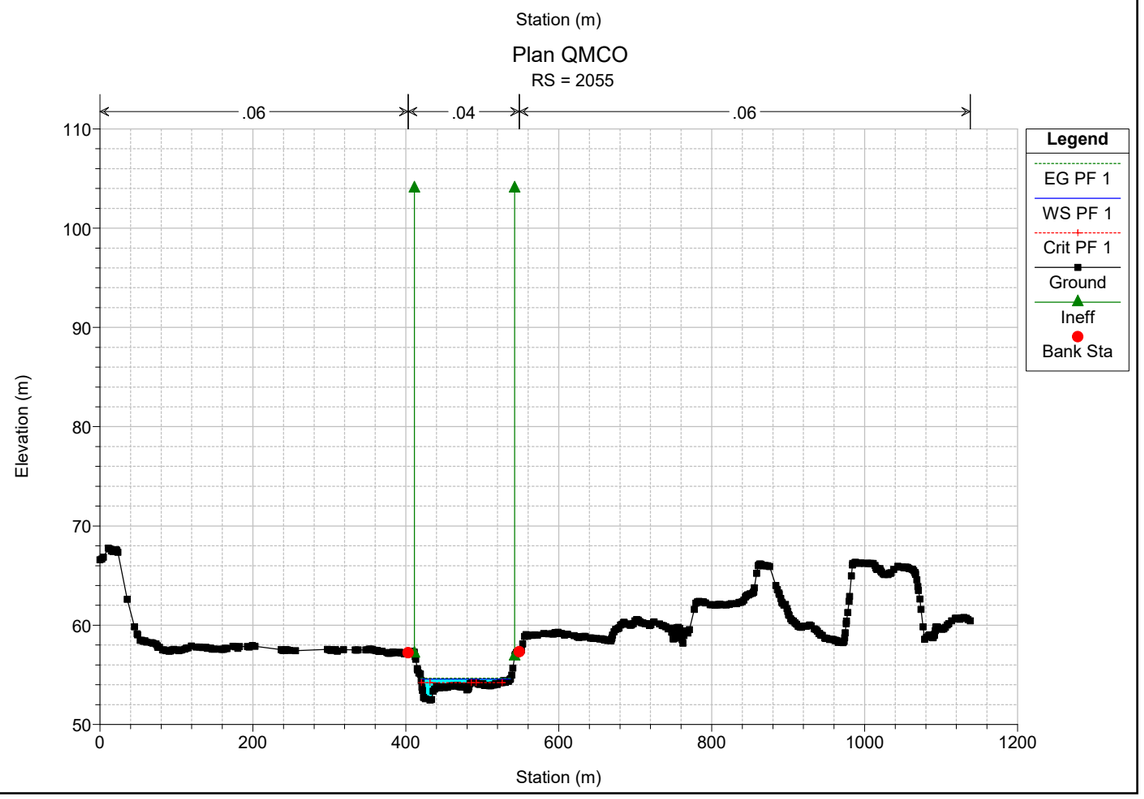

Plan QMCO
RS = 2448
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

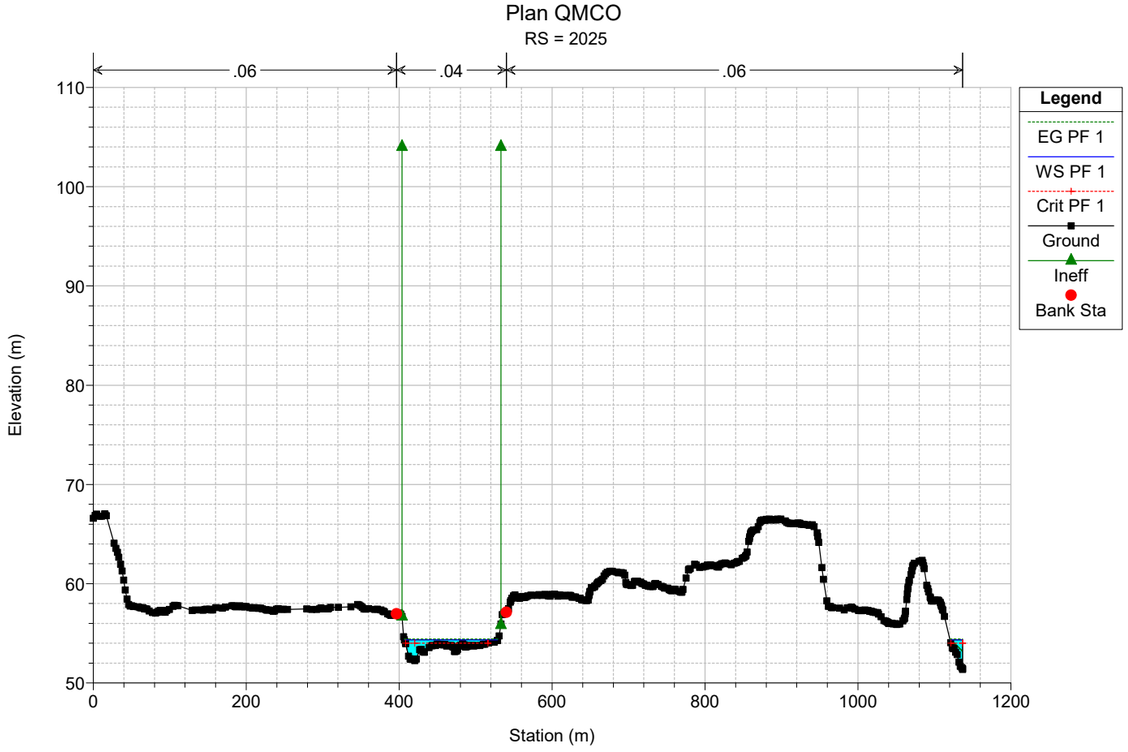

Plan QMCO
RS = 2178
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

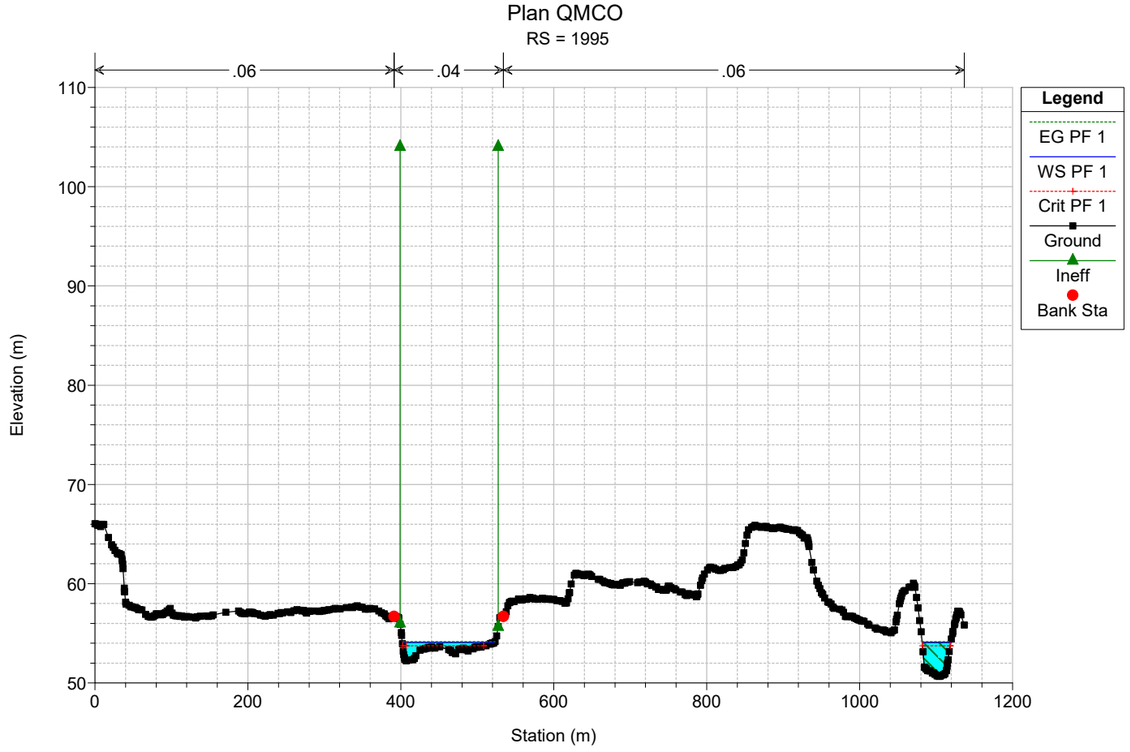

Plan QMCO
RS = 2151
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

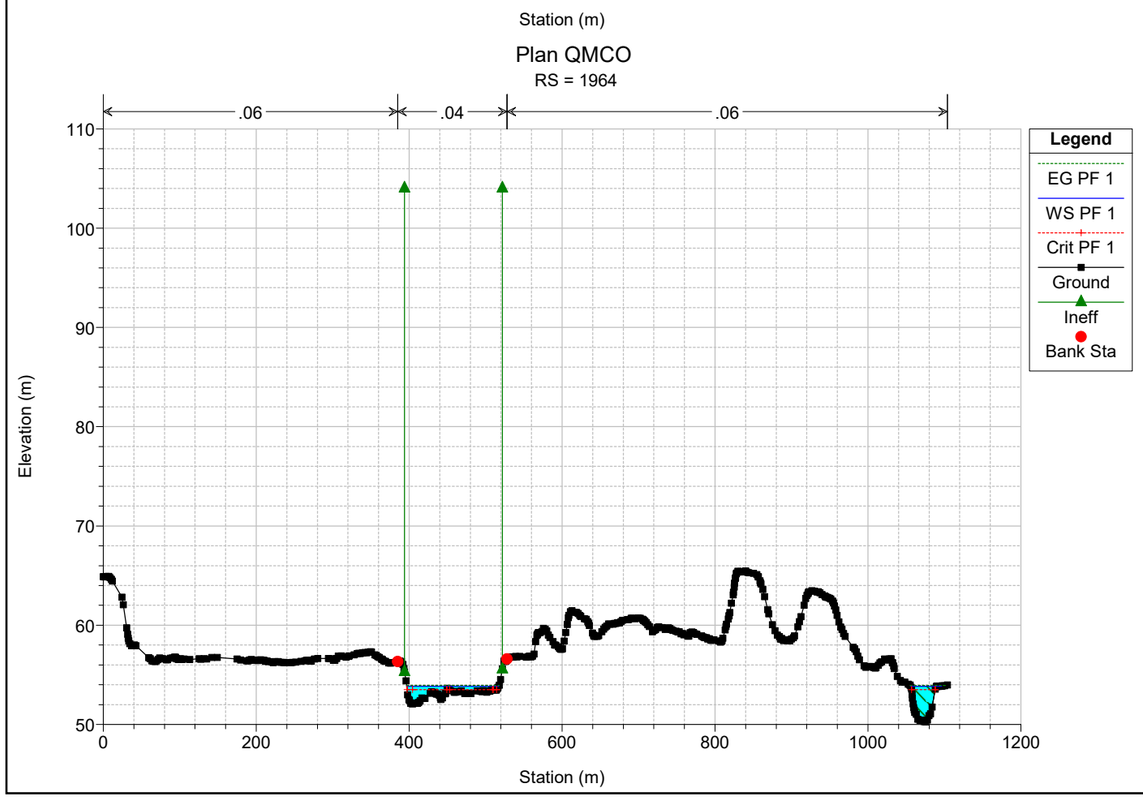

Plan QMCO
RS = 2120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

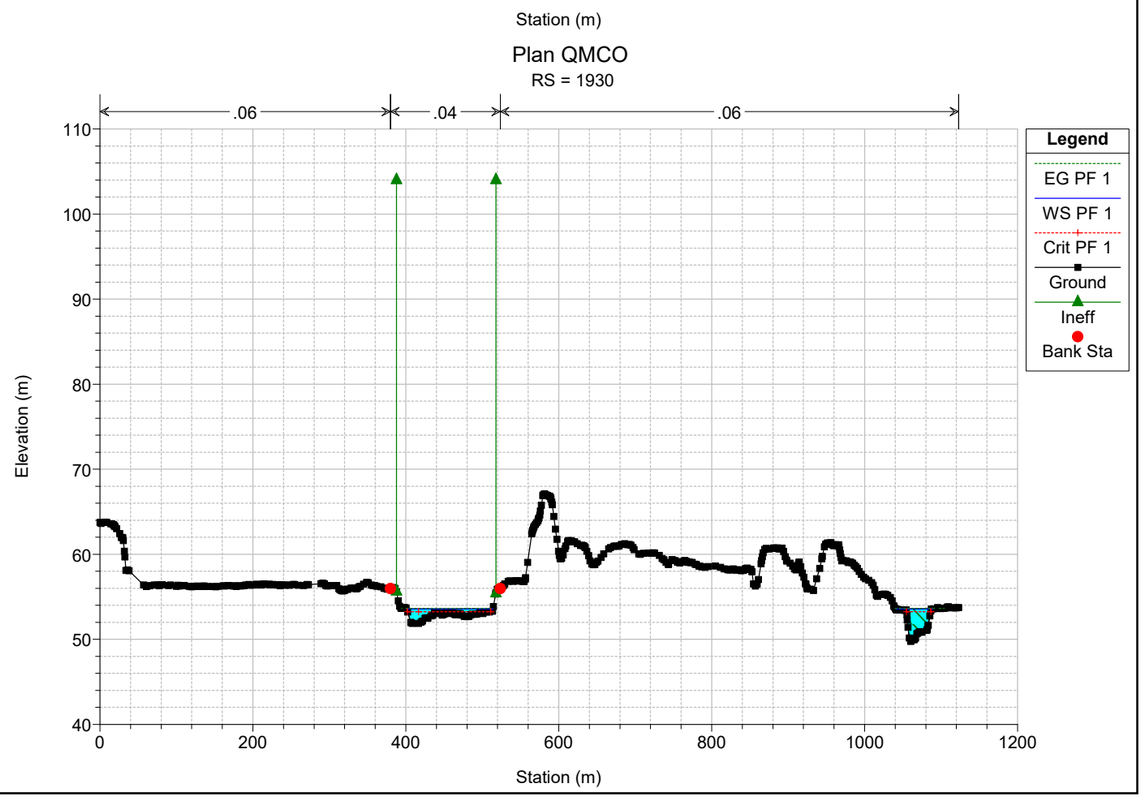

Plan QMCO
RS = 2085
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

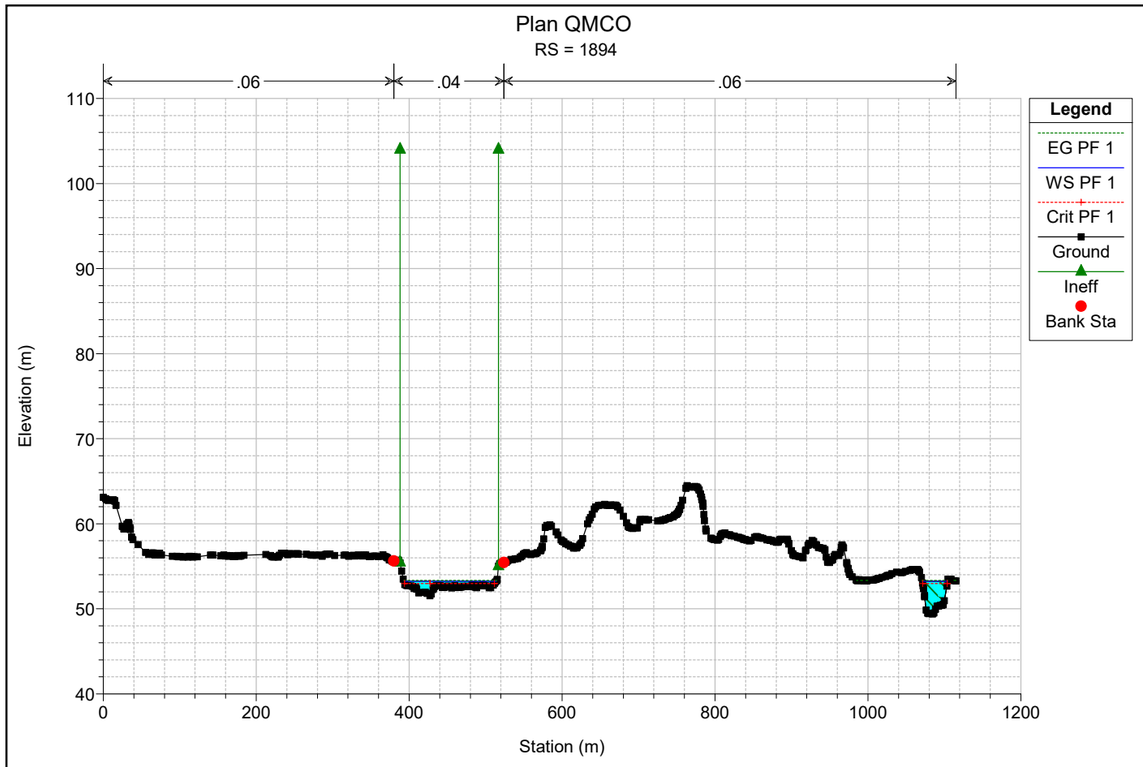

Plan QMCO
RS = 2055
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

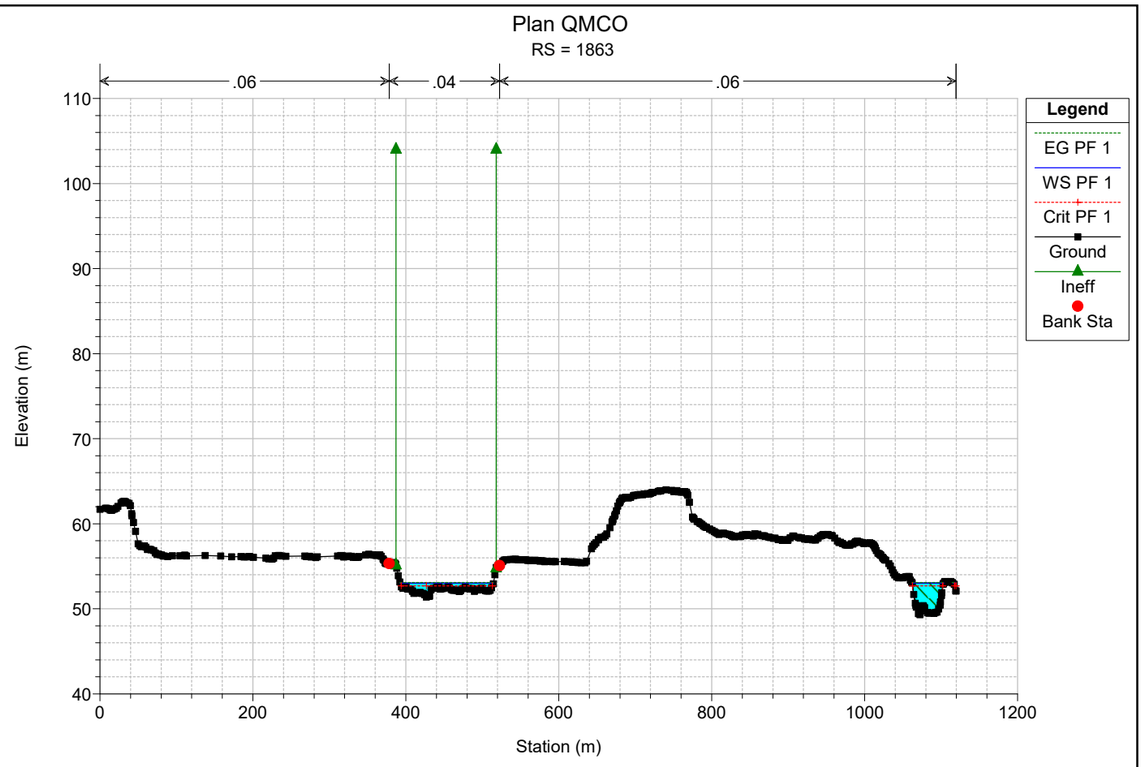

Plan QMCO
RS = 2025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

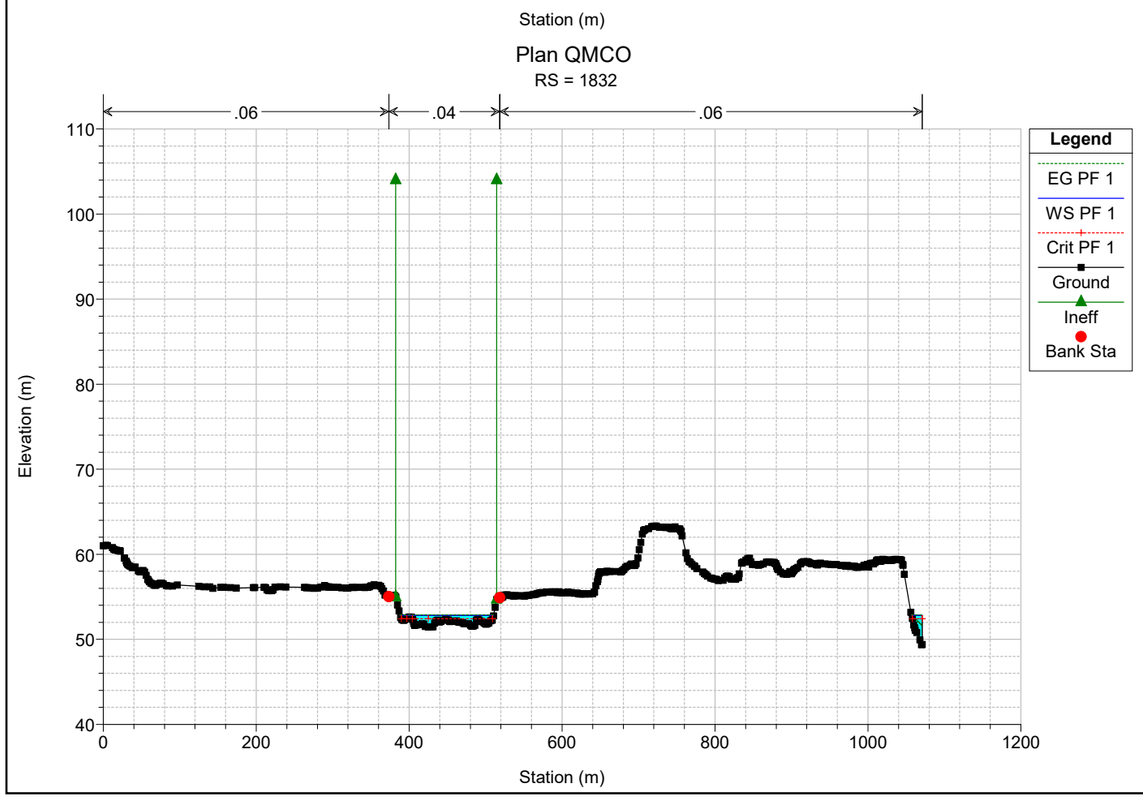

Plan QMCO
RS = 1995
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

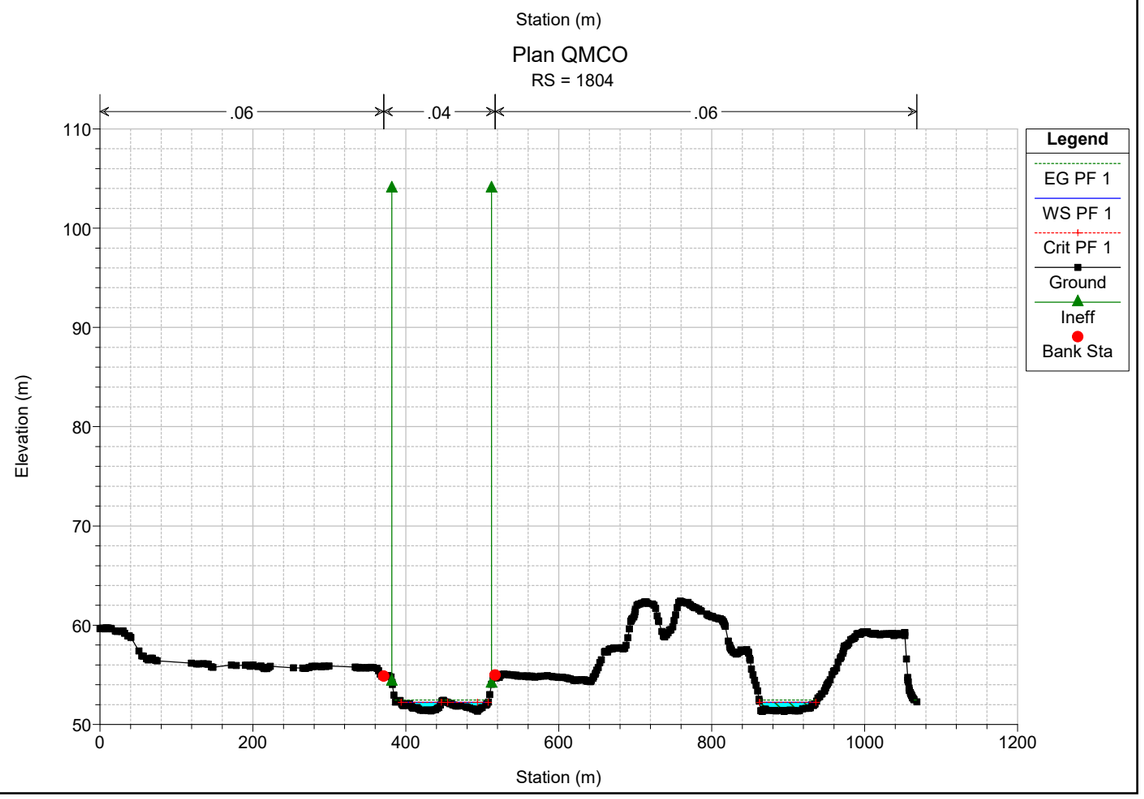

Plan QMCO
RS = 1964
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

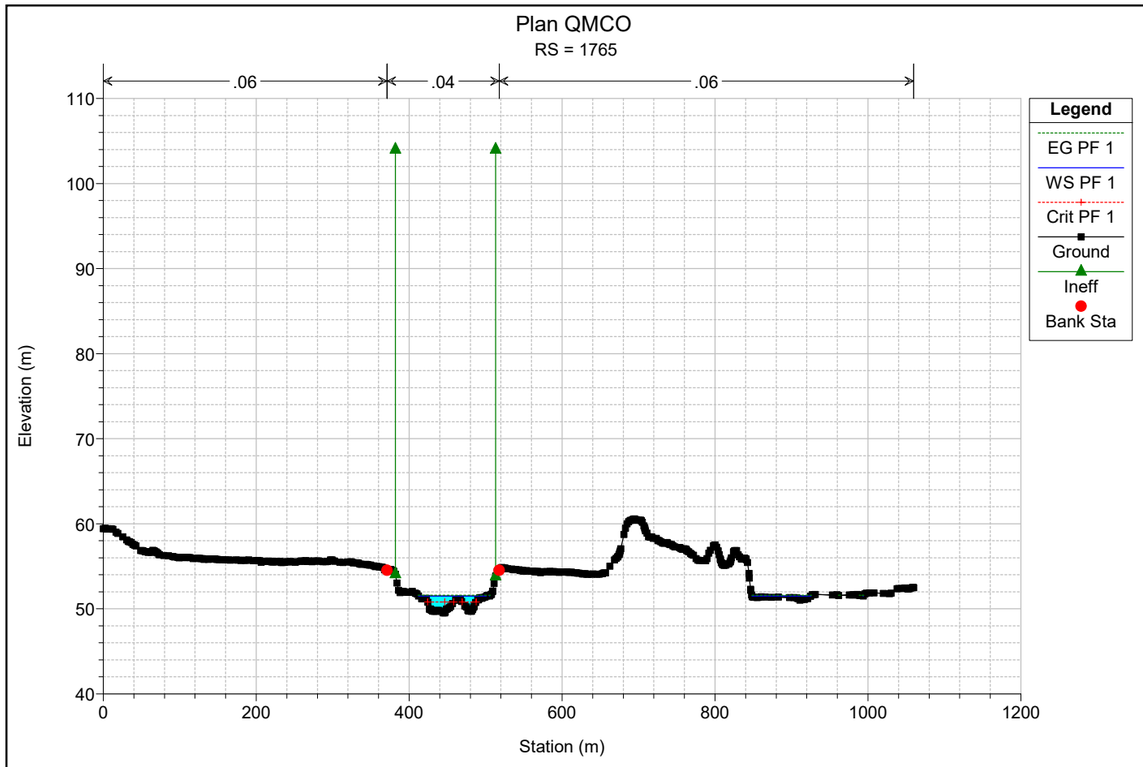

Plan QMCO
RS = 1930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

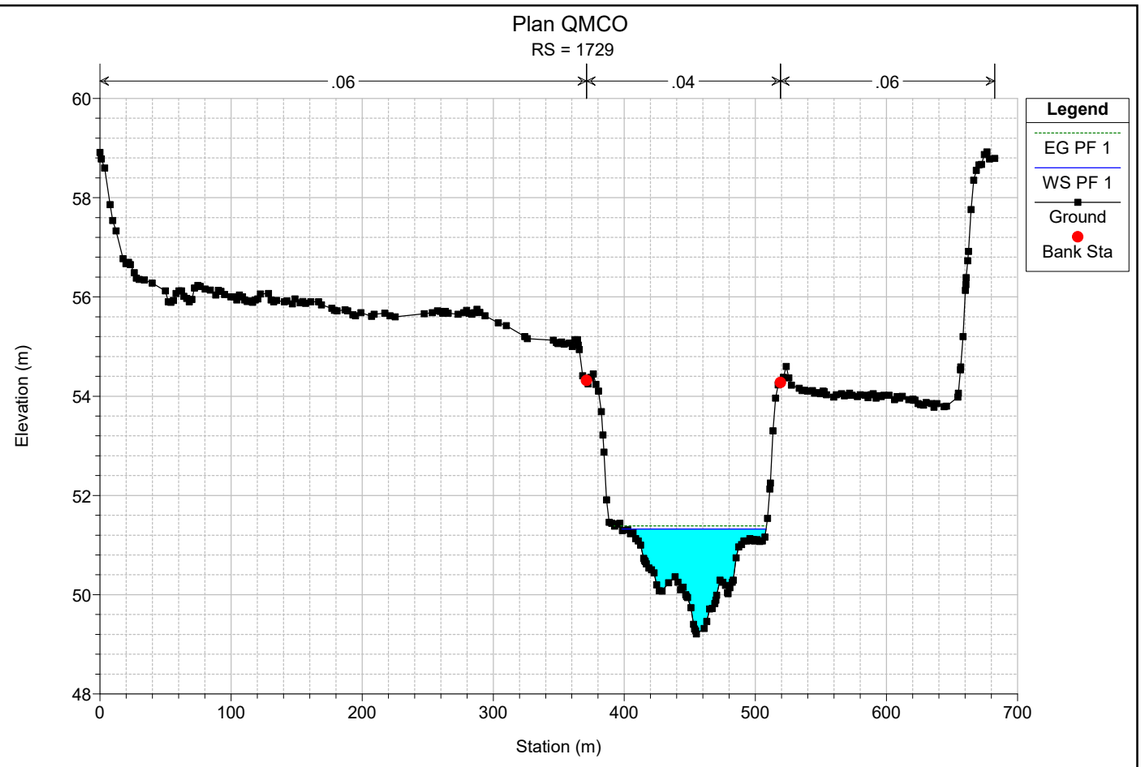

Plan QMCO
RS = 1894
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

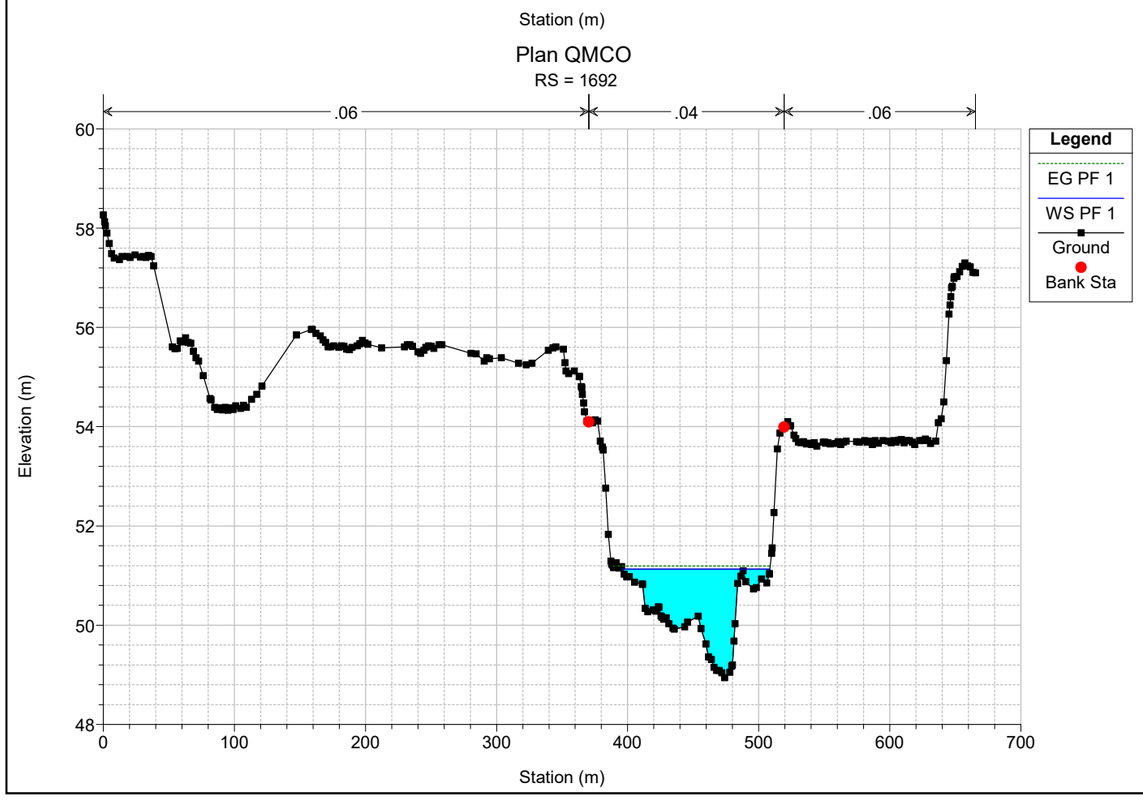

Plan QMCO
RS = 1863
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

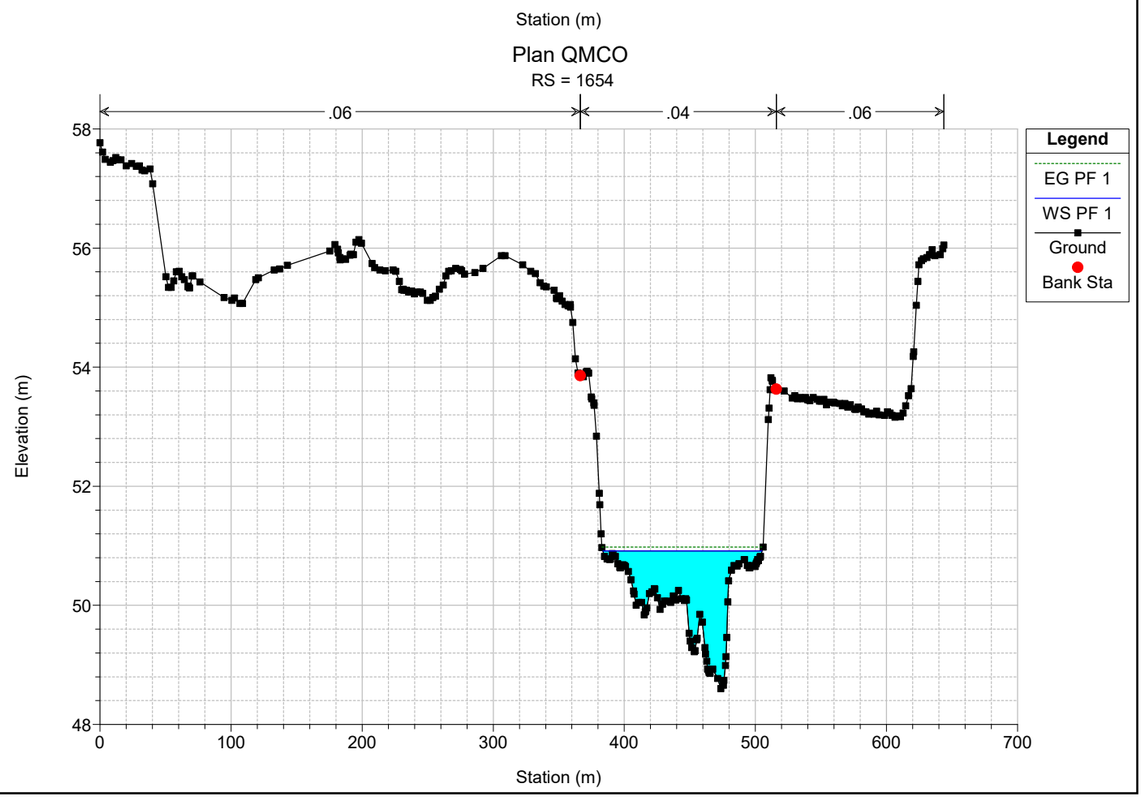

Plan QMCO
RS = 1832
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

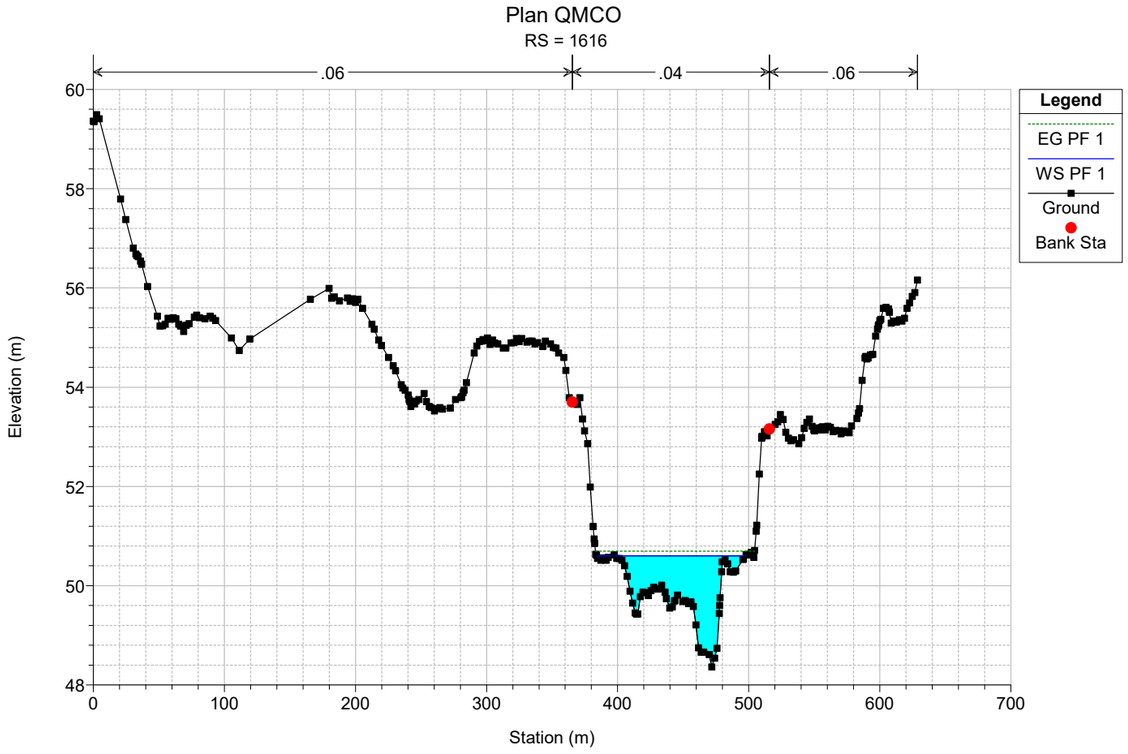

Plan QMCO
RS = 1804
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

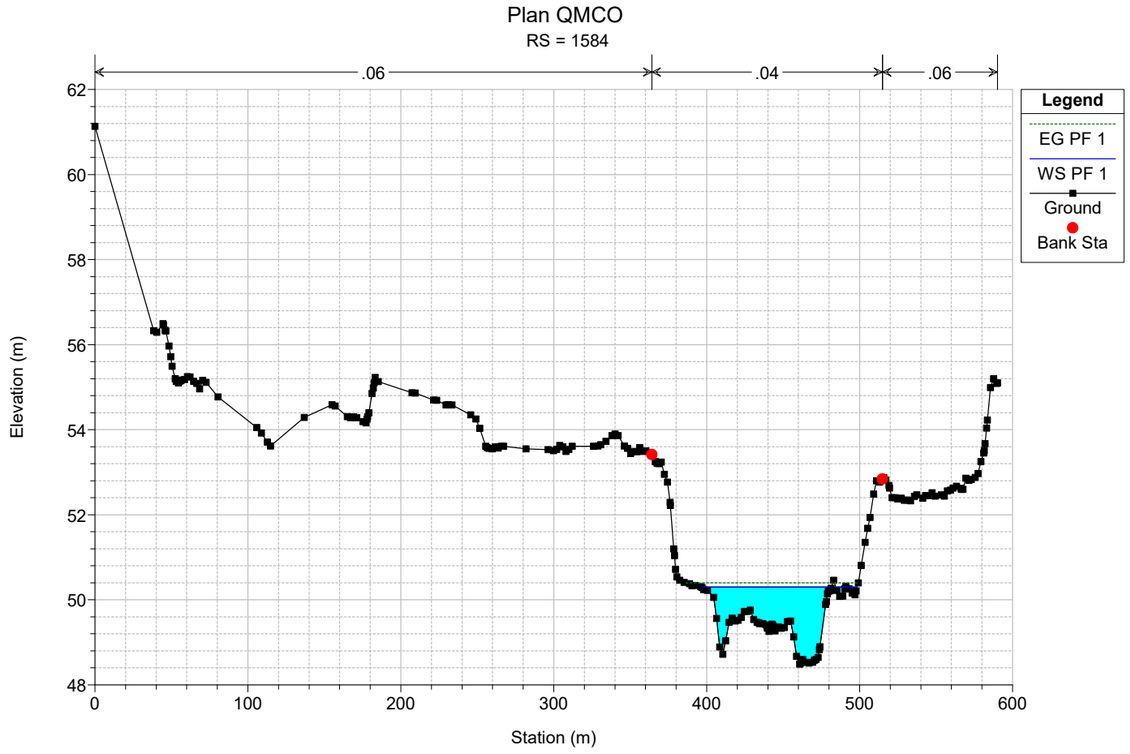

Plan QMCO
RS = 1765
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

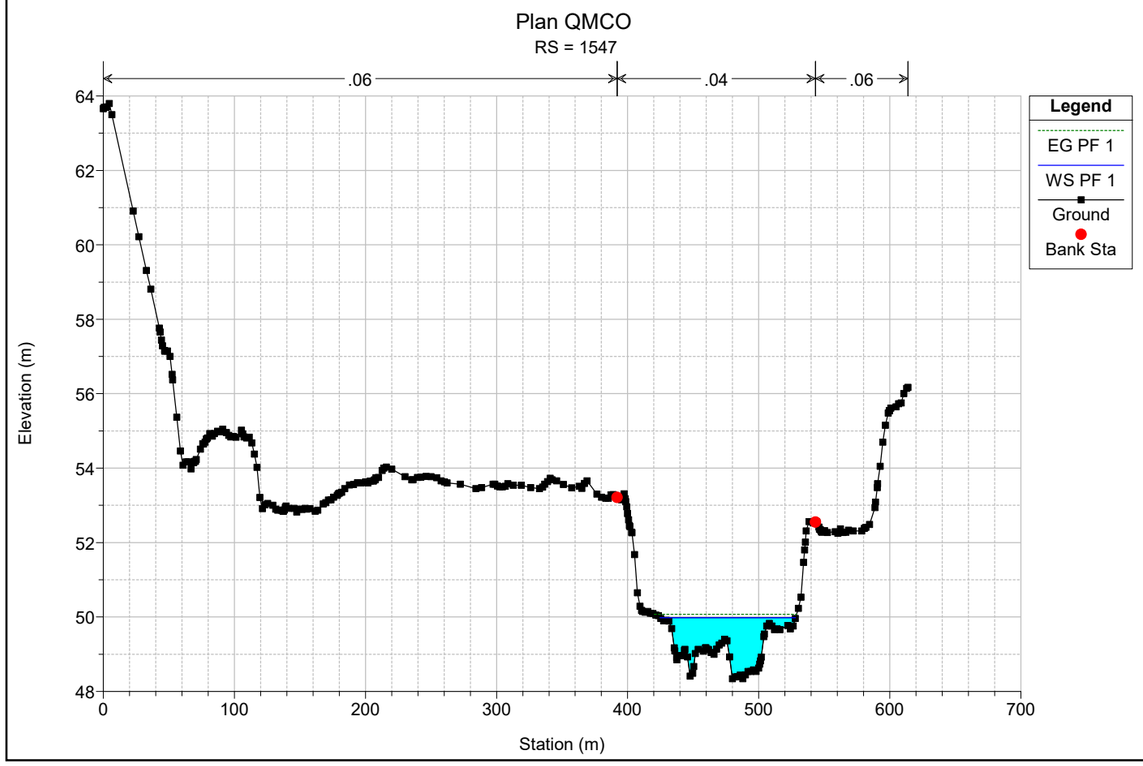

Plan QMCO
RS = 1729
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

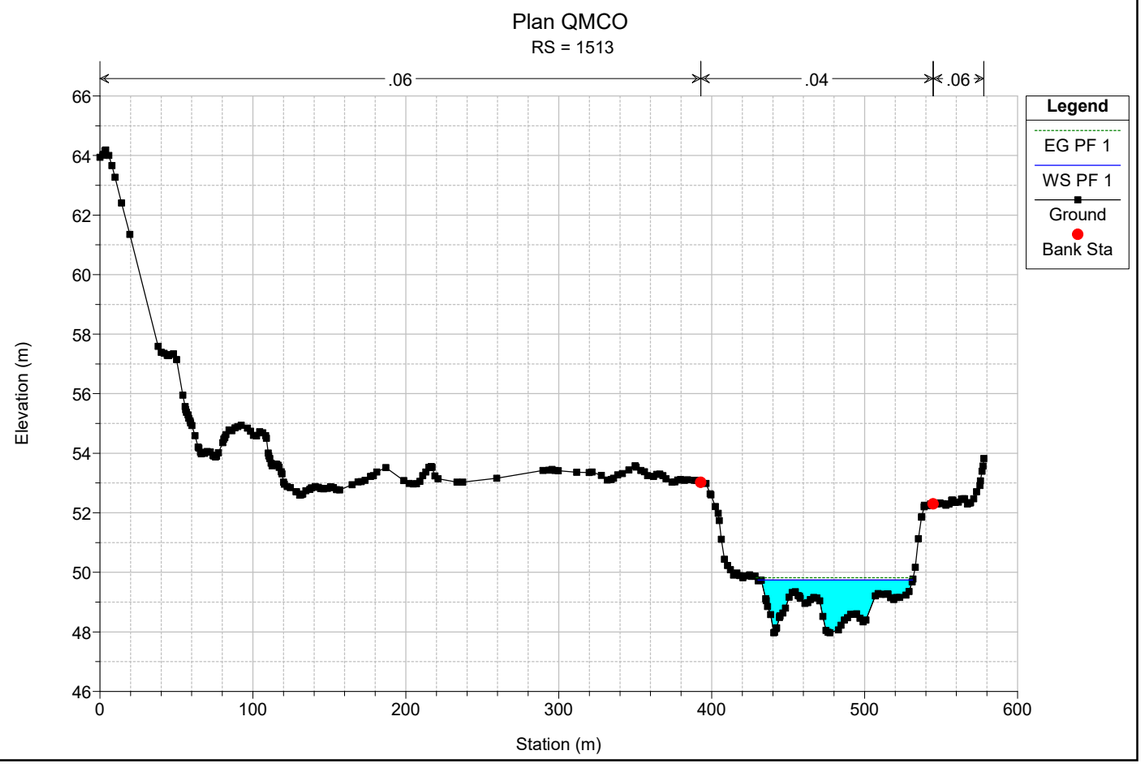

Plan QMCO
RS = 1692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)


Plan QMCO
RS = 1654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

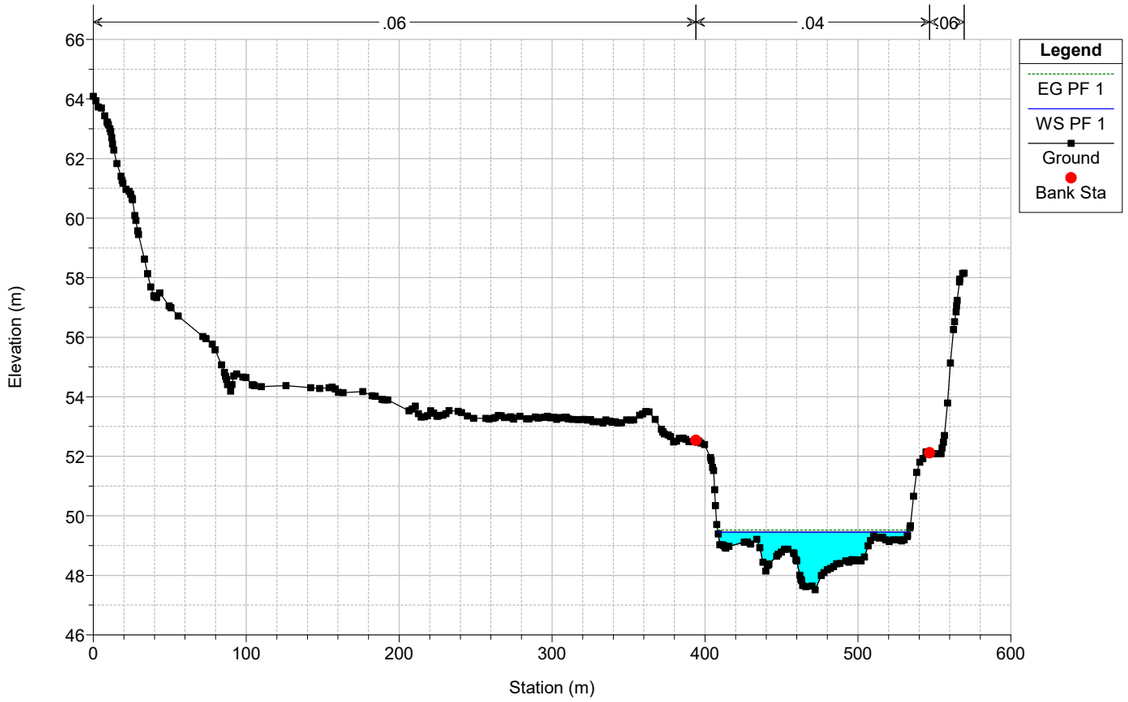

Plan QMCO
RS = 1616
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
48
50
52
54
56
58
60
0
100
200
300
400
500
600
700


Plan QMCO
RS = 1584
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
48
50
52
54
56
58
60
62
0
100
200
300
400
500
600

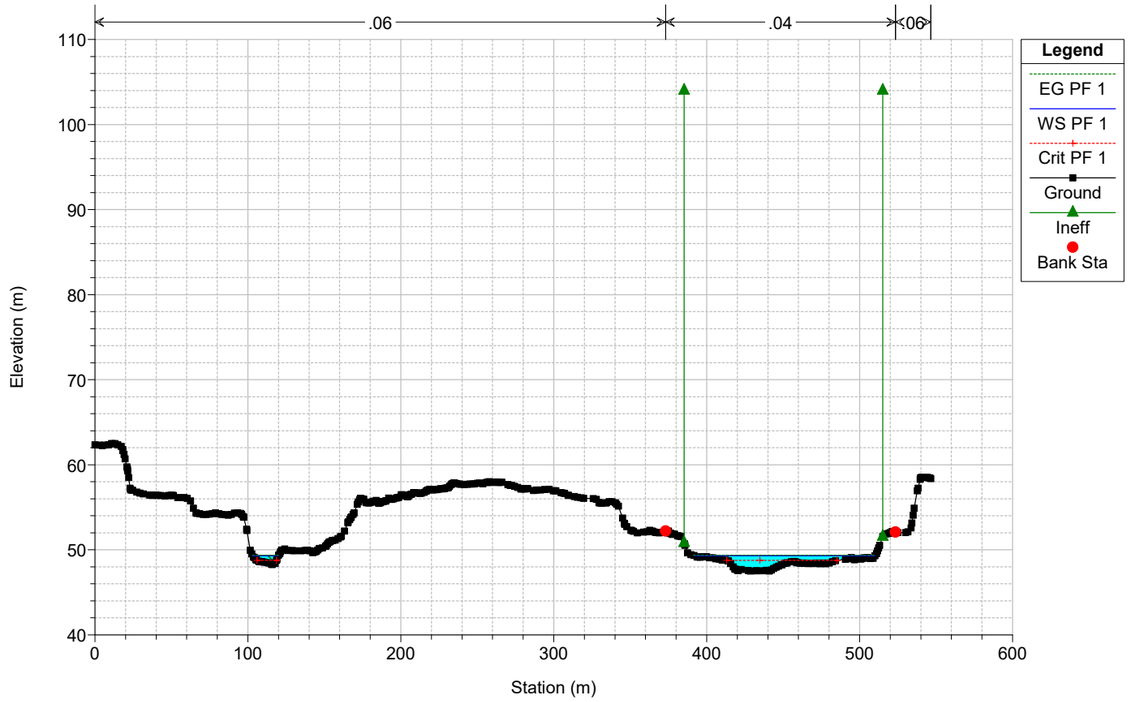

Plan QMCO
RS = 1547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
48
50
52
54
56
58
60
62
64
0
100
200
300
400
500
600
700


Plan QMCO
RS = 1513
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
46
48
50
52
54
56
58
60
62
64
66
0
100
200
300
400
500
600

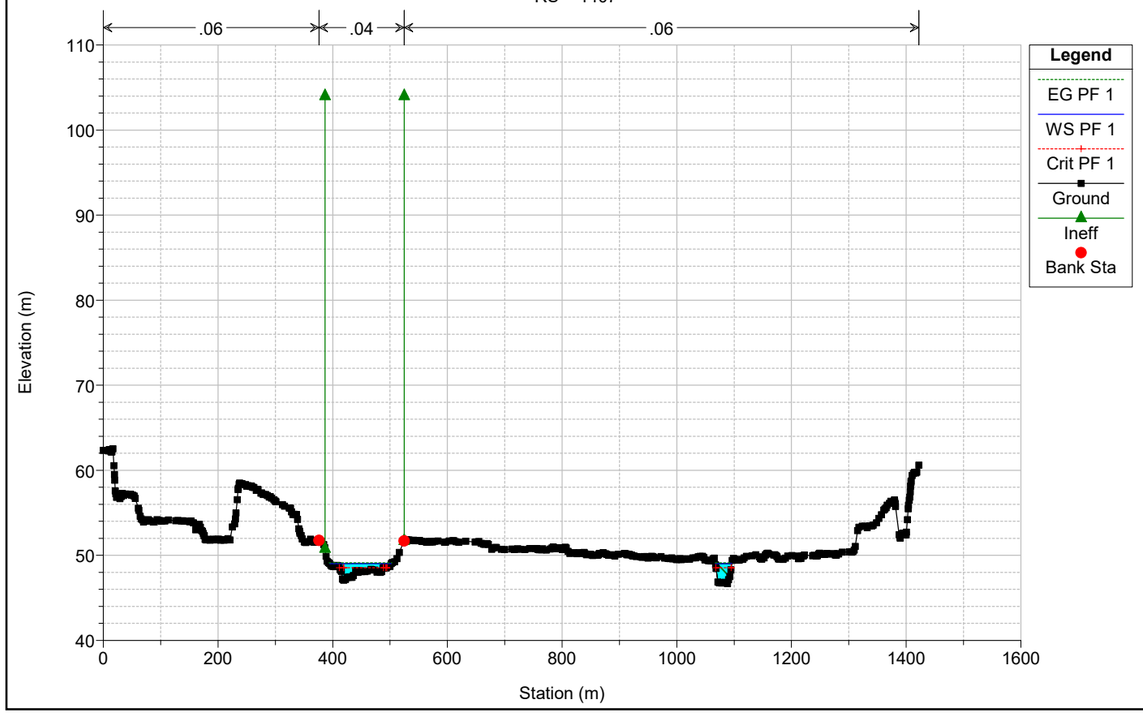
Plan QMCO
RS = 1471



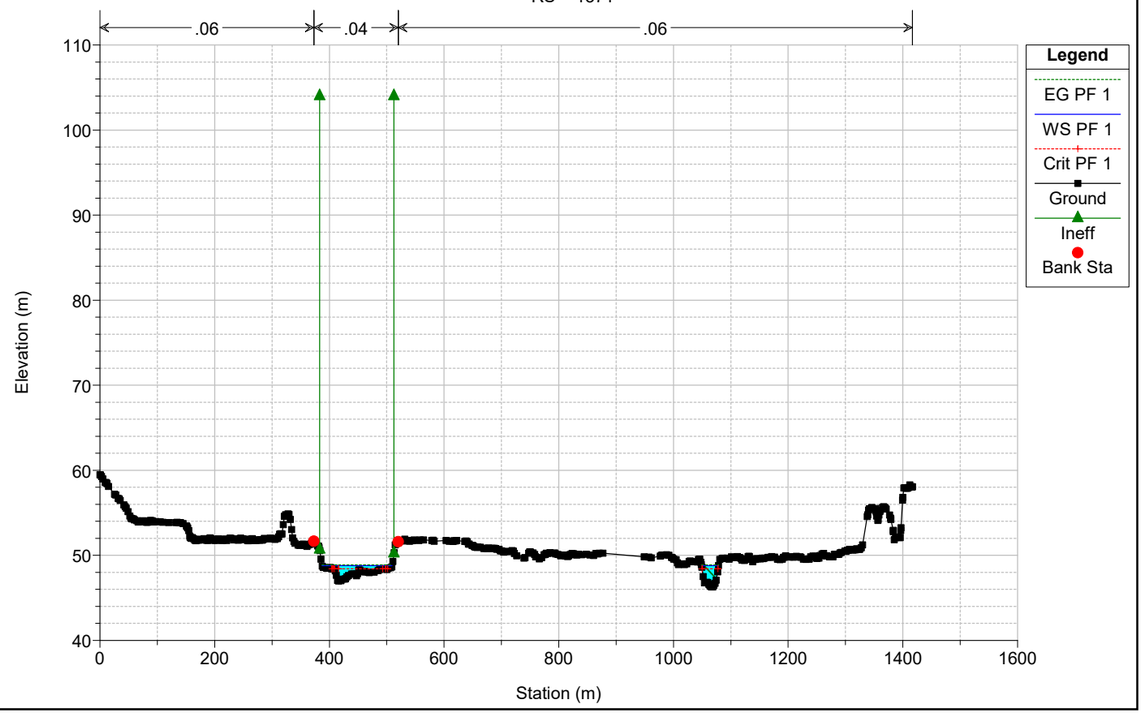
Plan QMCO
RS = 1447

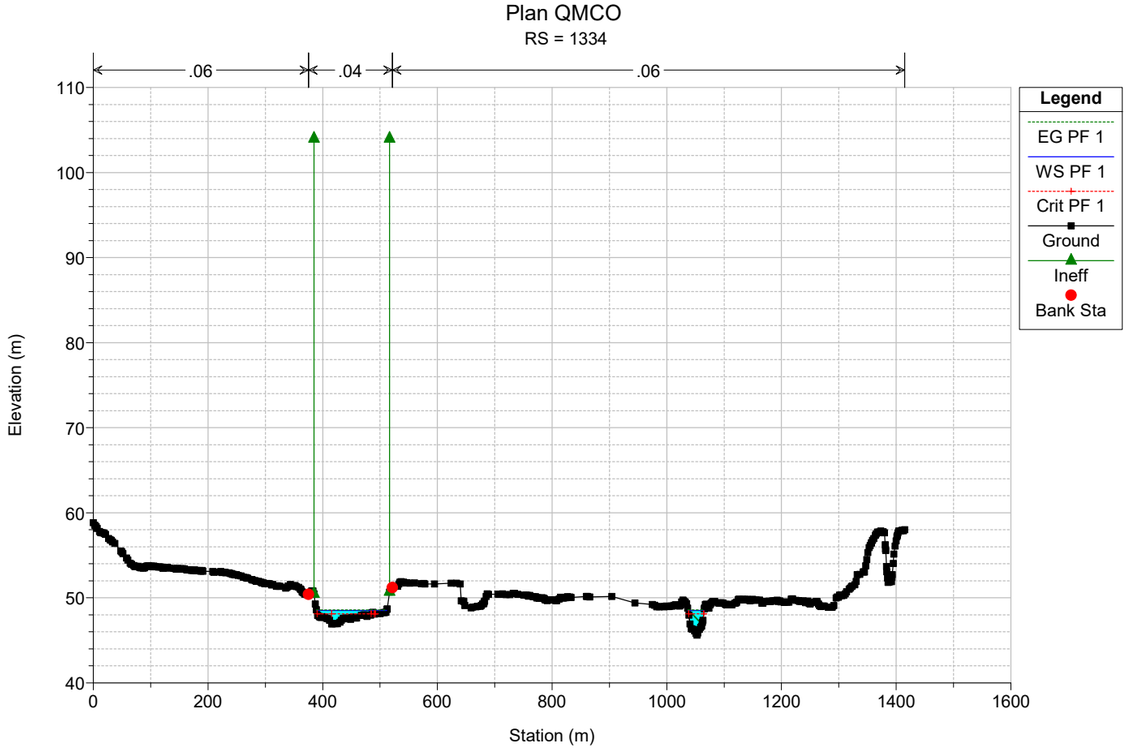


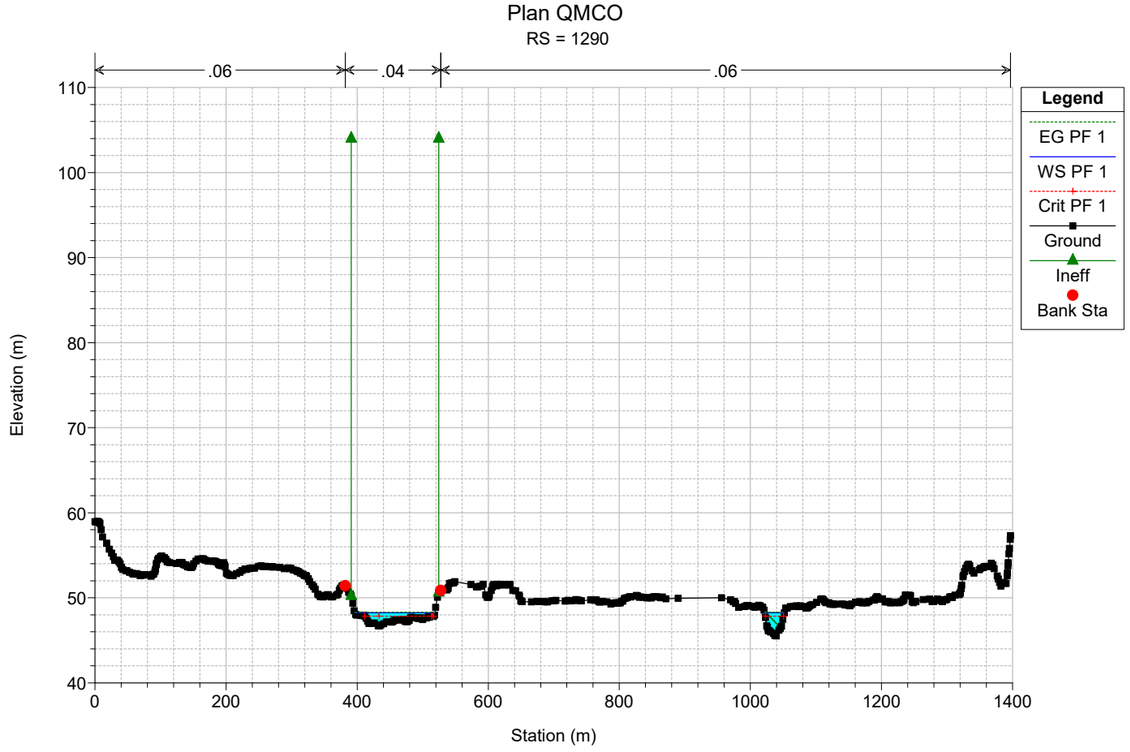
Plan QMCO
RS = 1407

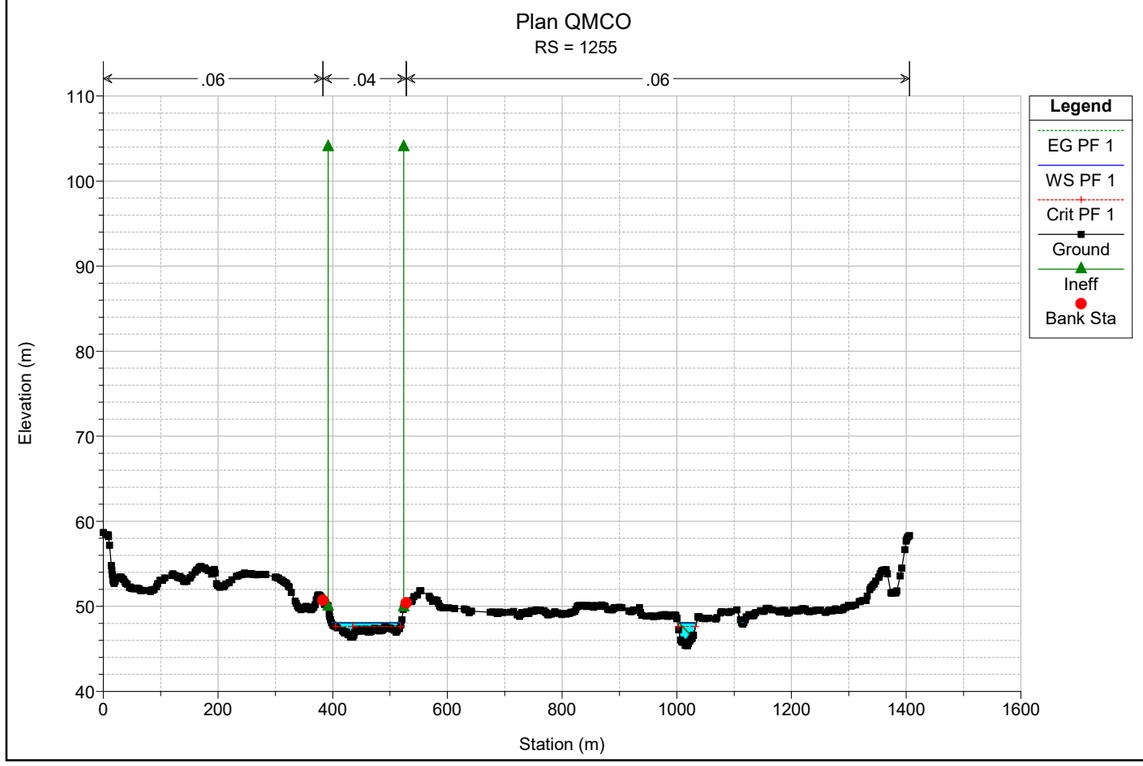


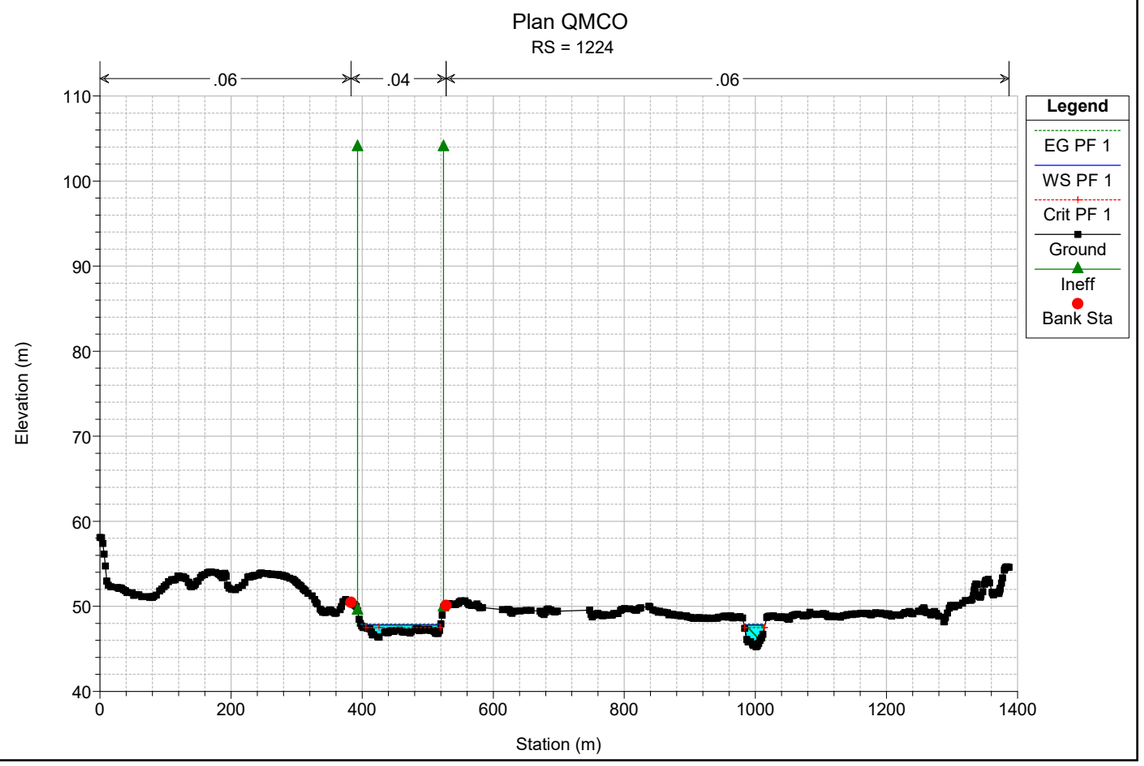
Plan QMCO
RS = 1371

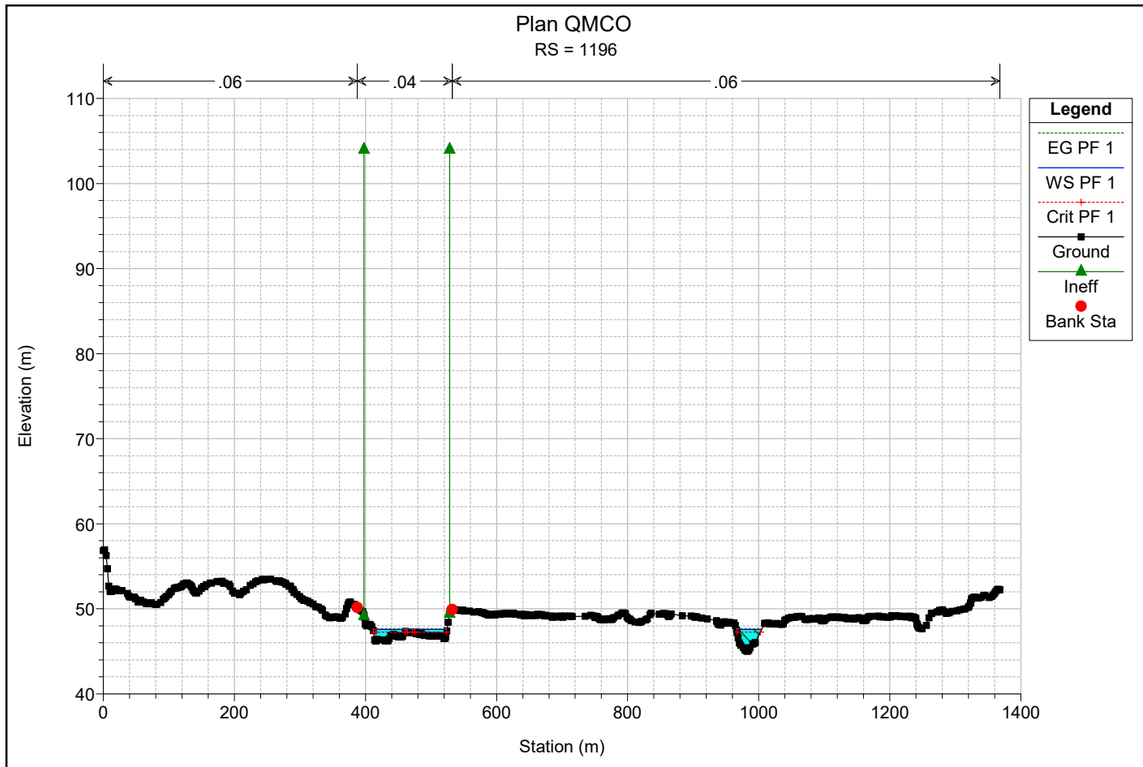


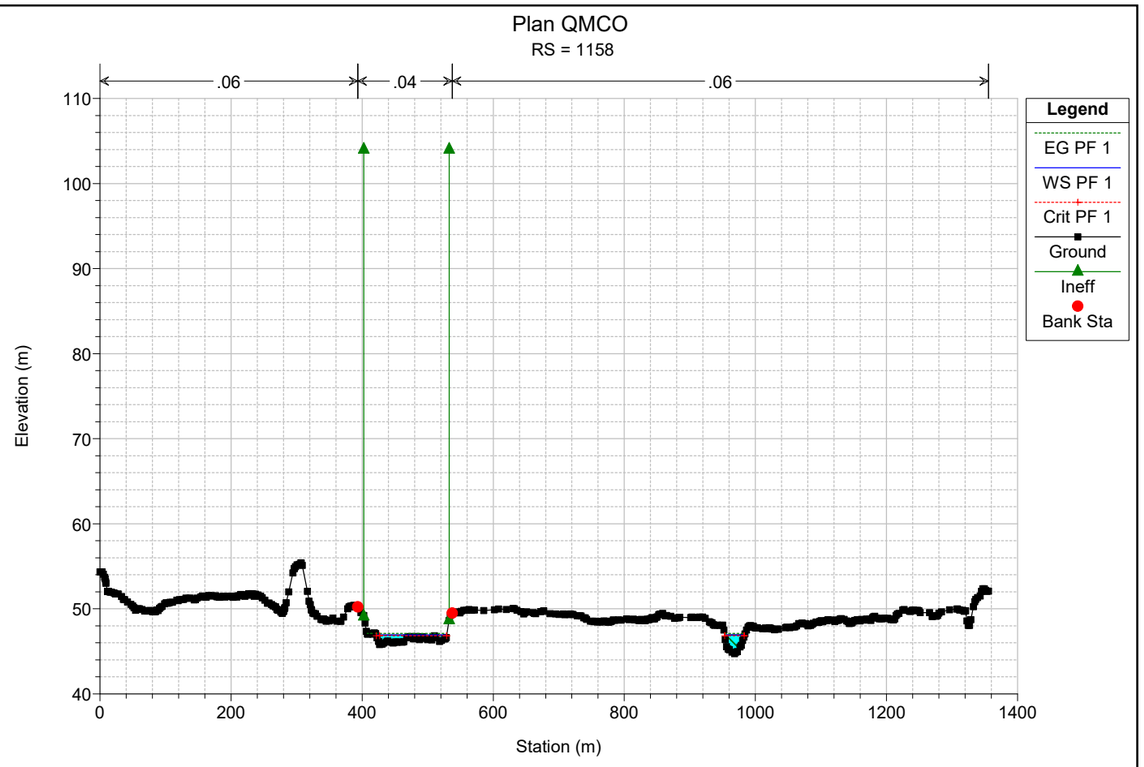

Plan QMCO
RS = 1334
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

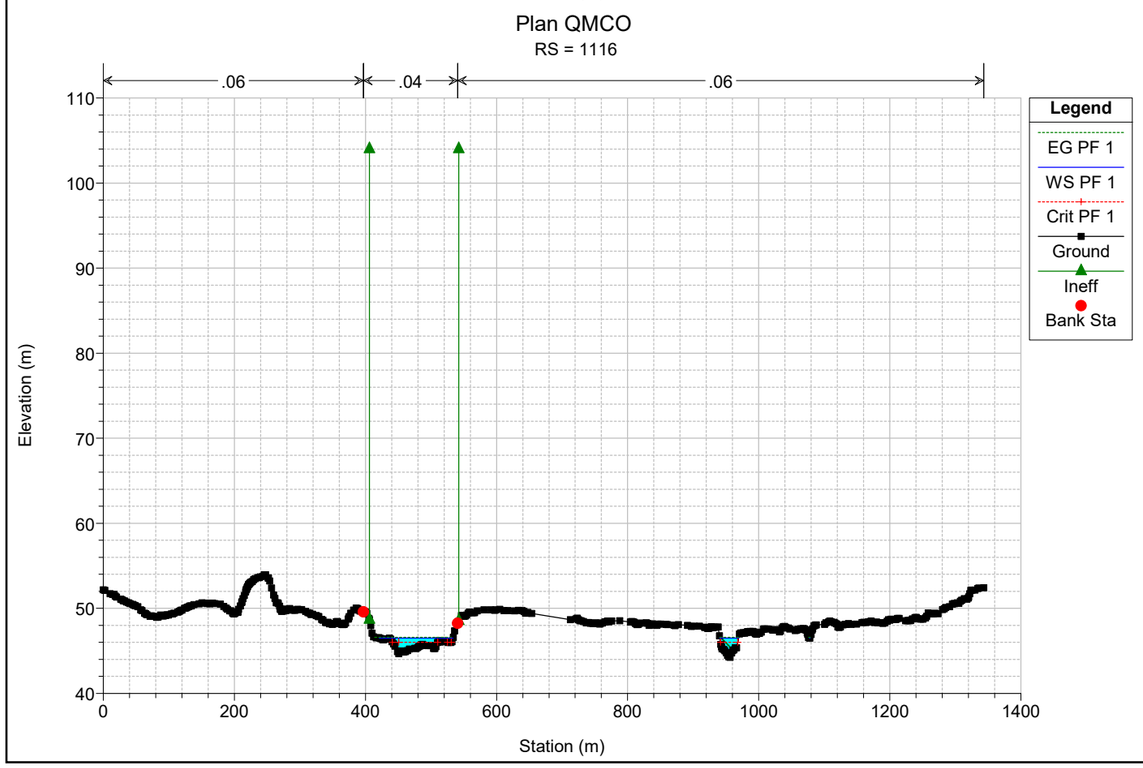

Plan QMCO
RS = 1290
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

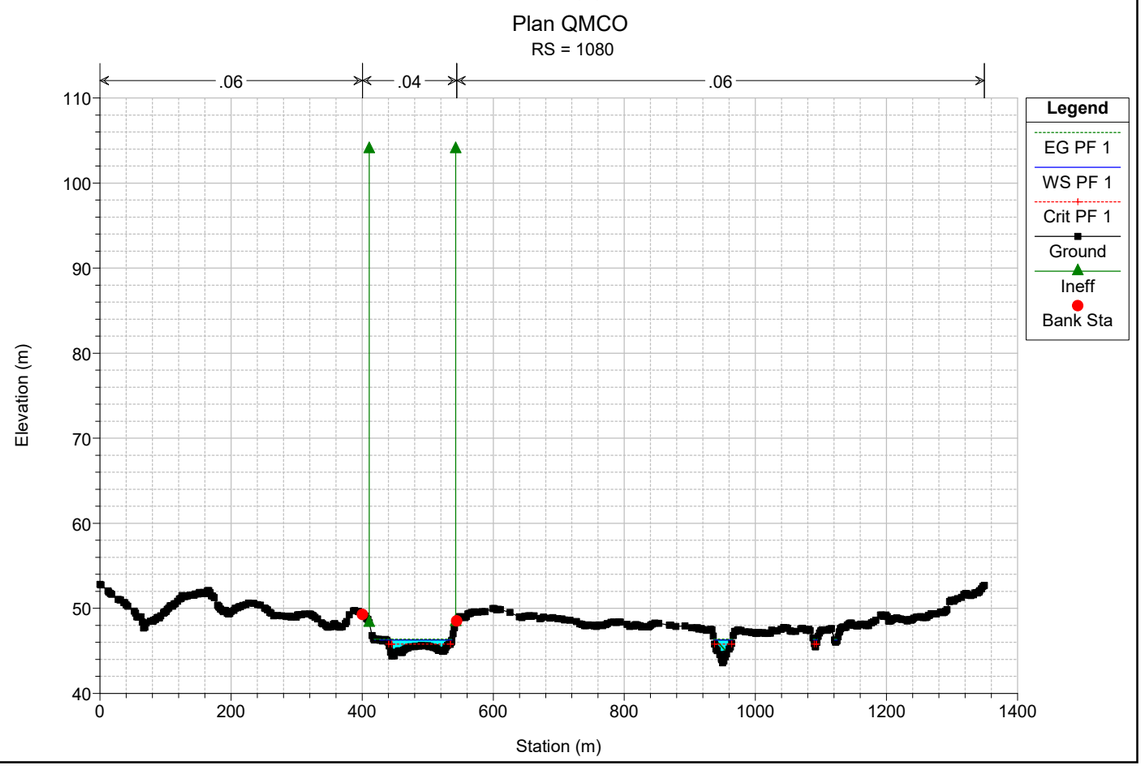

Plan QMCO
RS = 1255
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

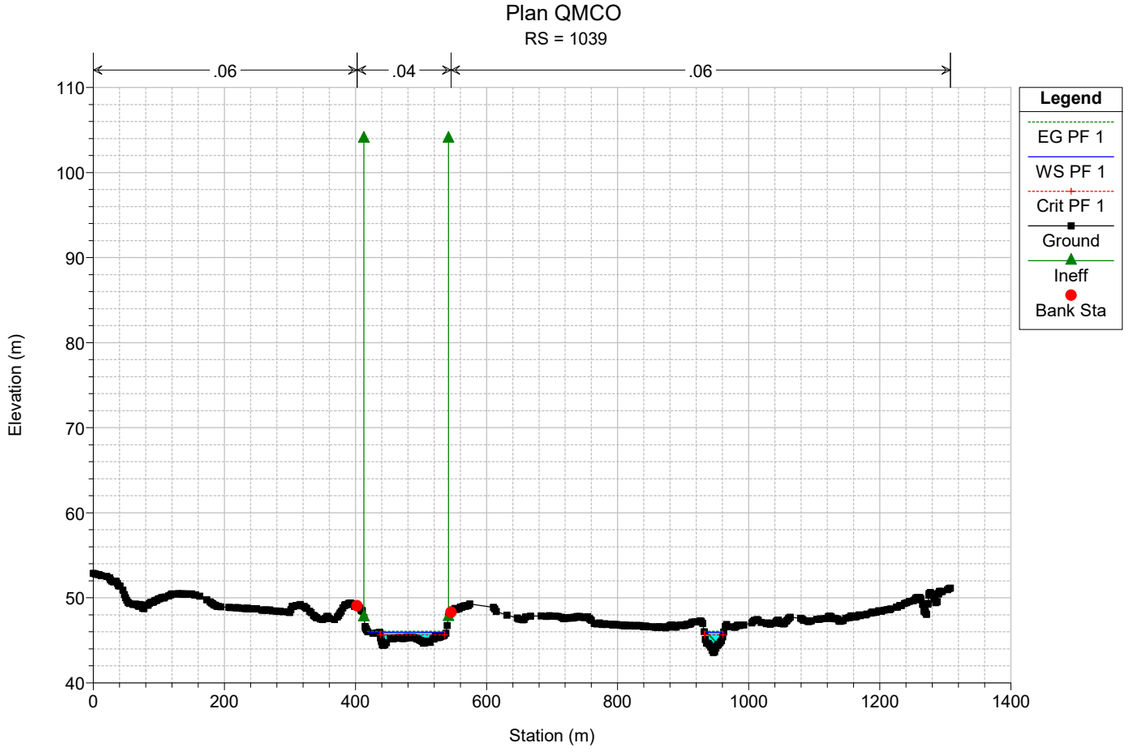

Plan QMCO
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

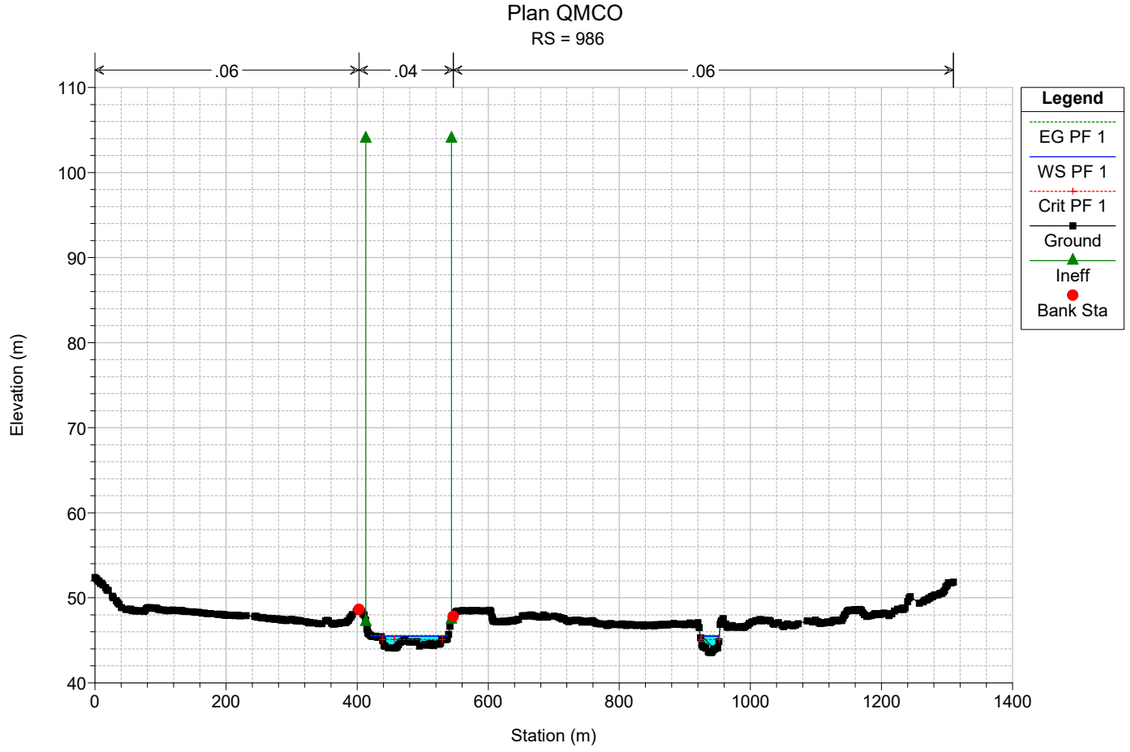

Plan QMCO
RS = 1196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

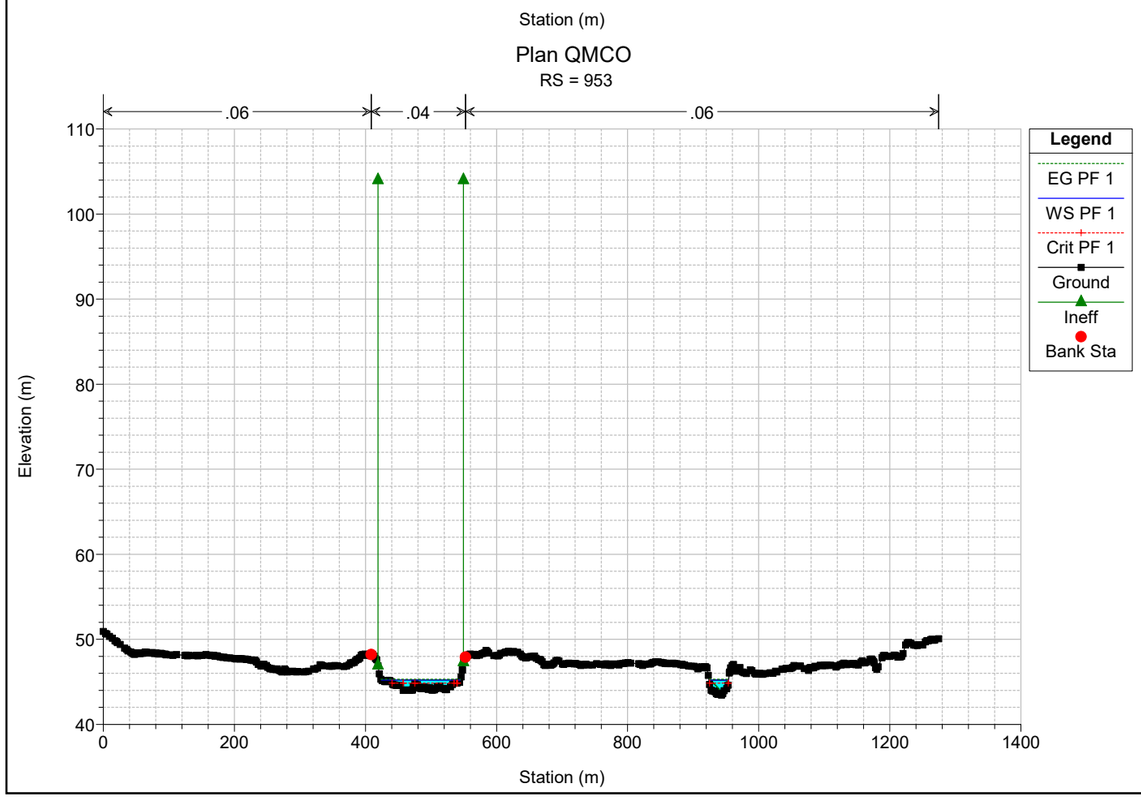

Plan QMCO
RS = 1158
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

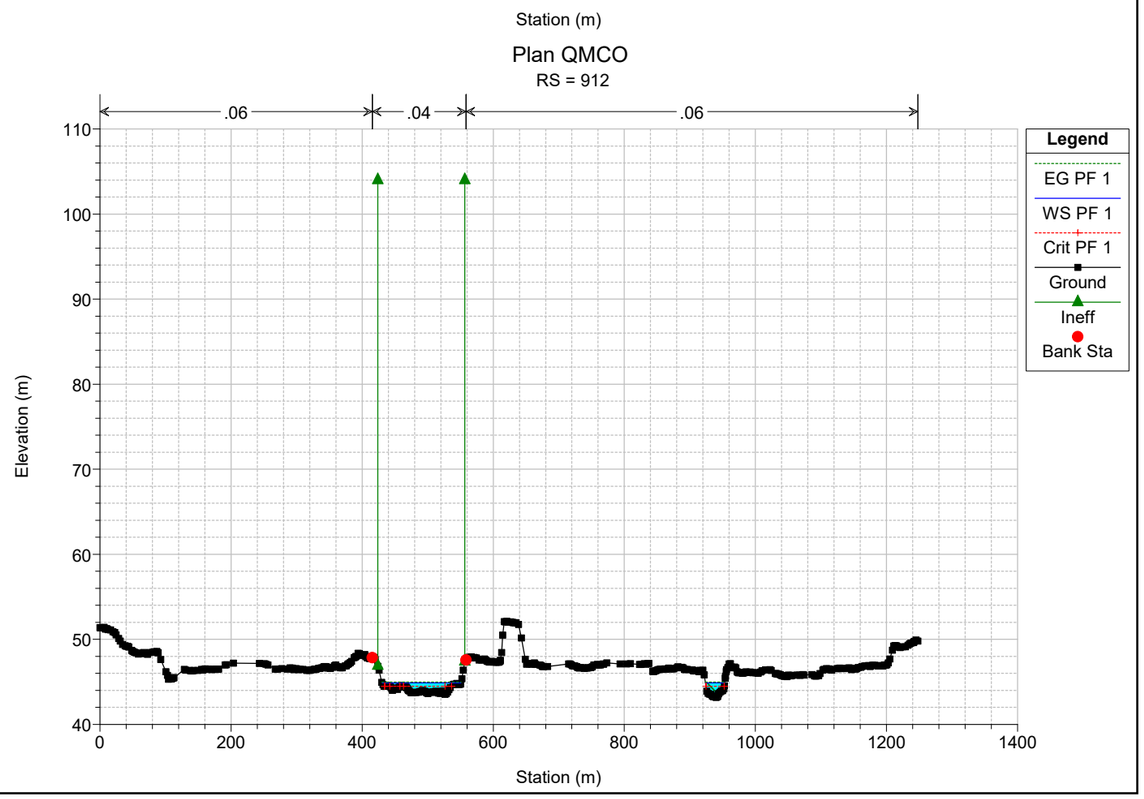

Plan QMCO
RS = 1116
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

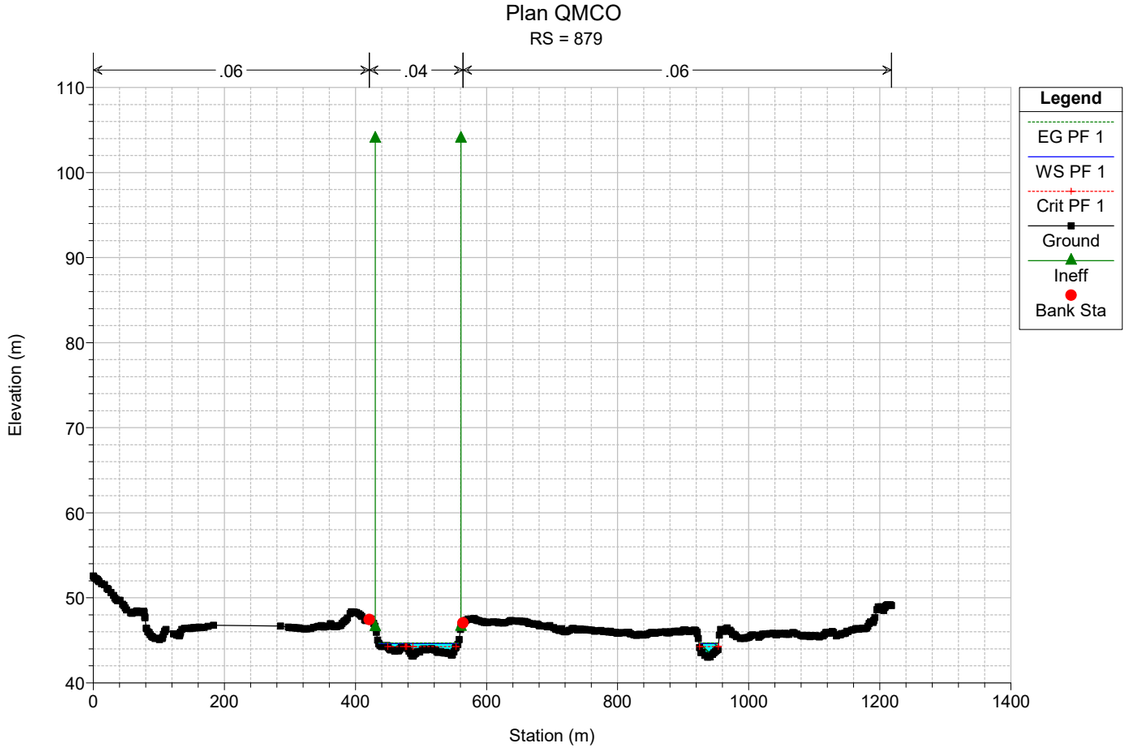

Plan QMCO
RS = 1080
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

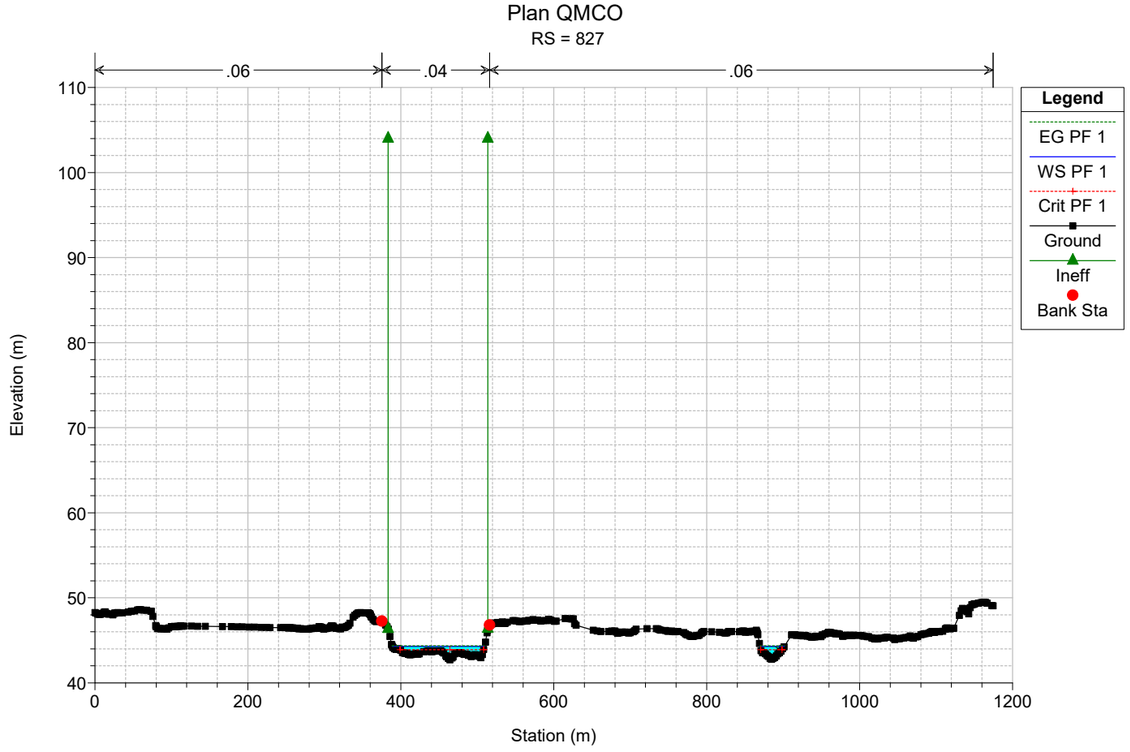

Plan QMCO
RS = 1039
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

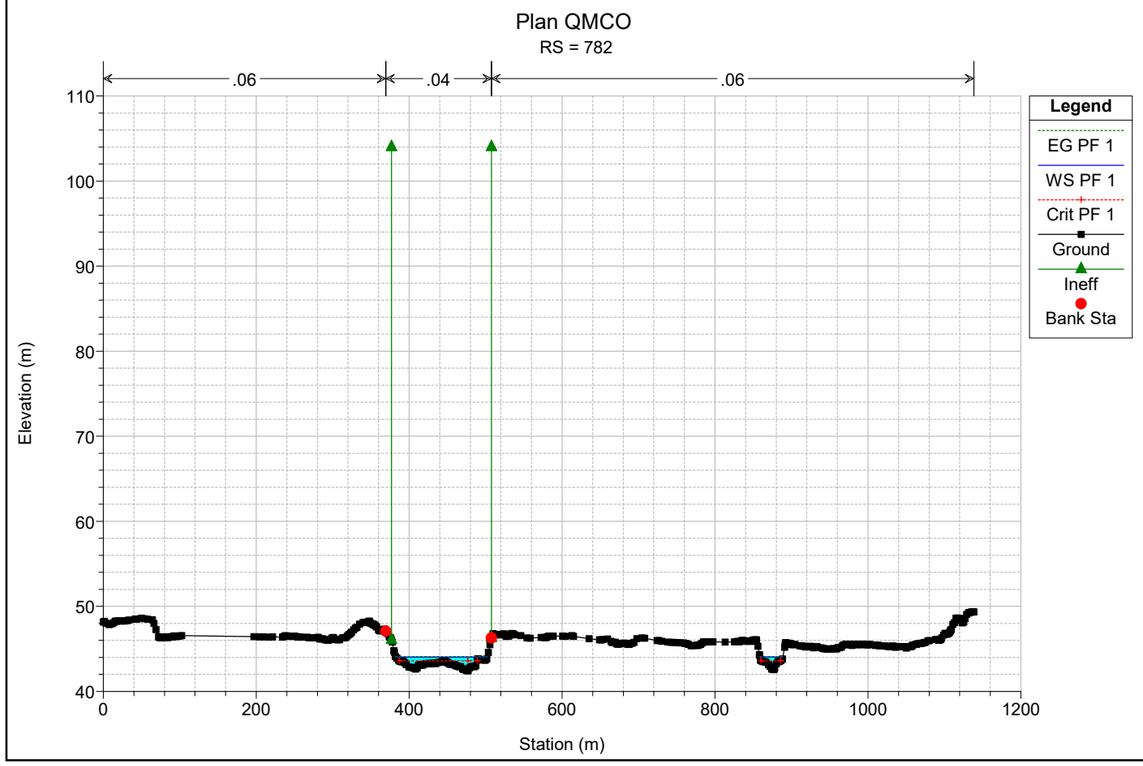

Plan QMCO
RS = 986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

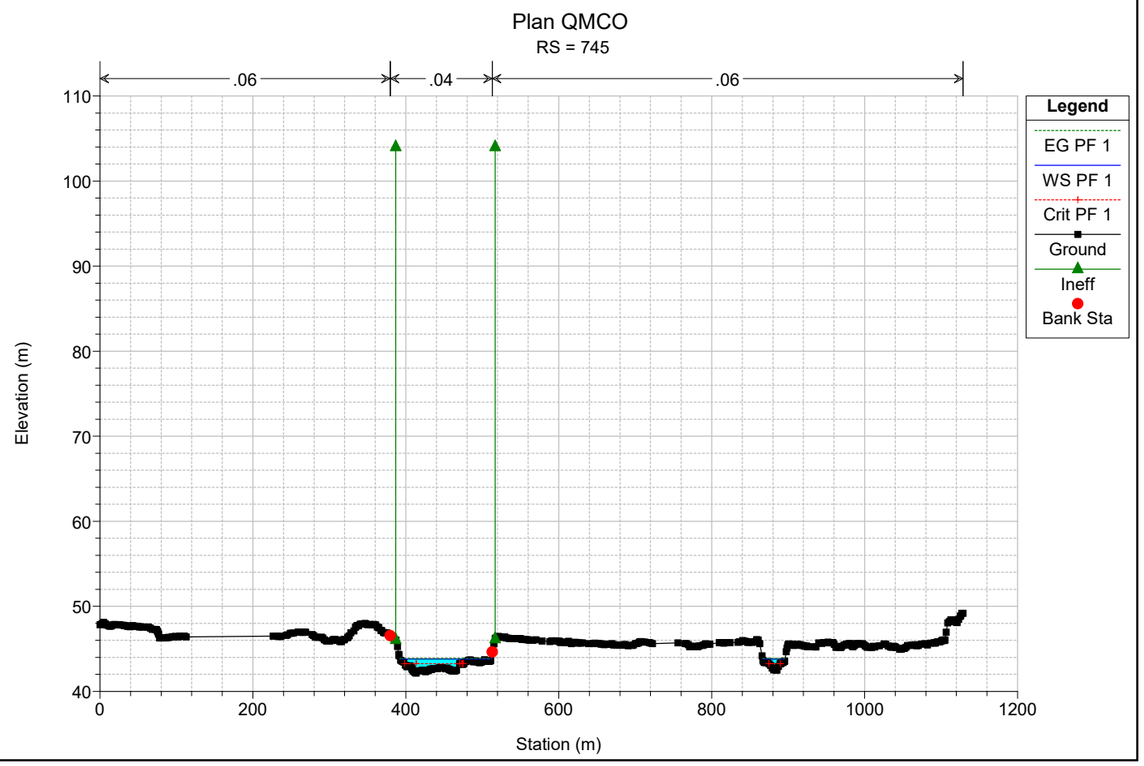

Plan QMCO
RS = 953
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

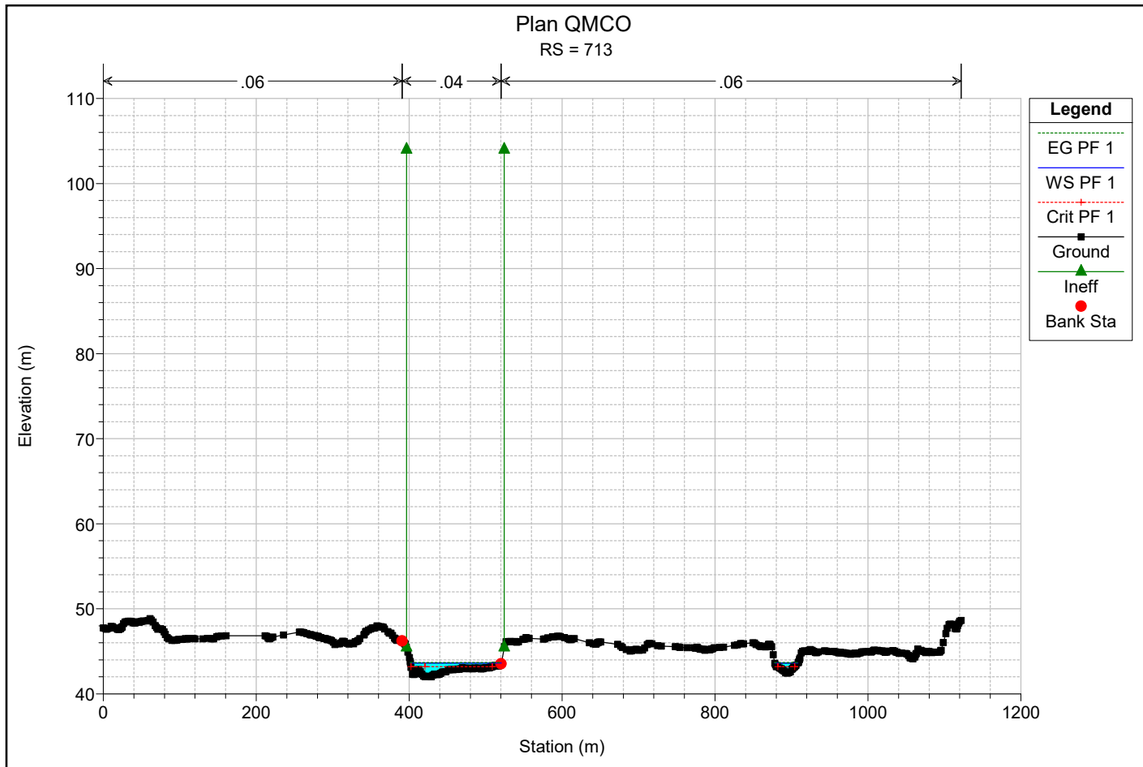

Plan QMCO
RS = 912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

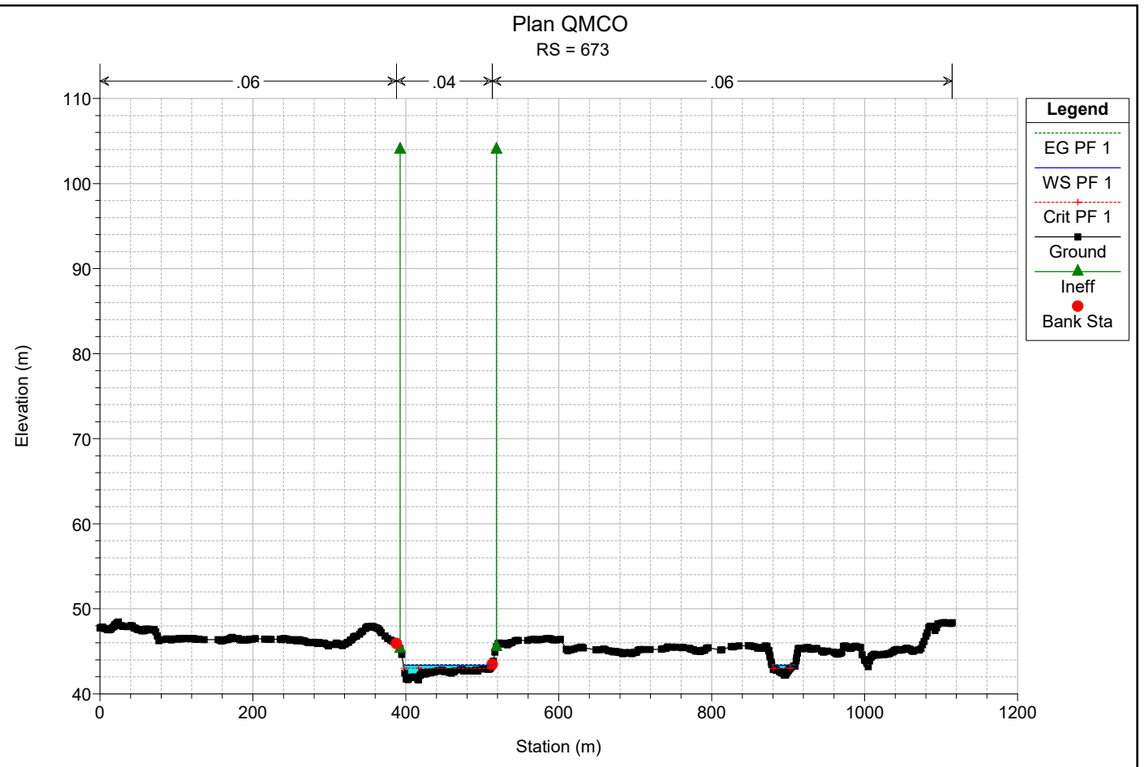

Plan QMCO
RS = 879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

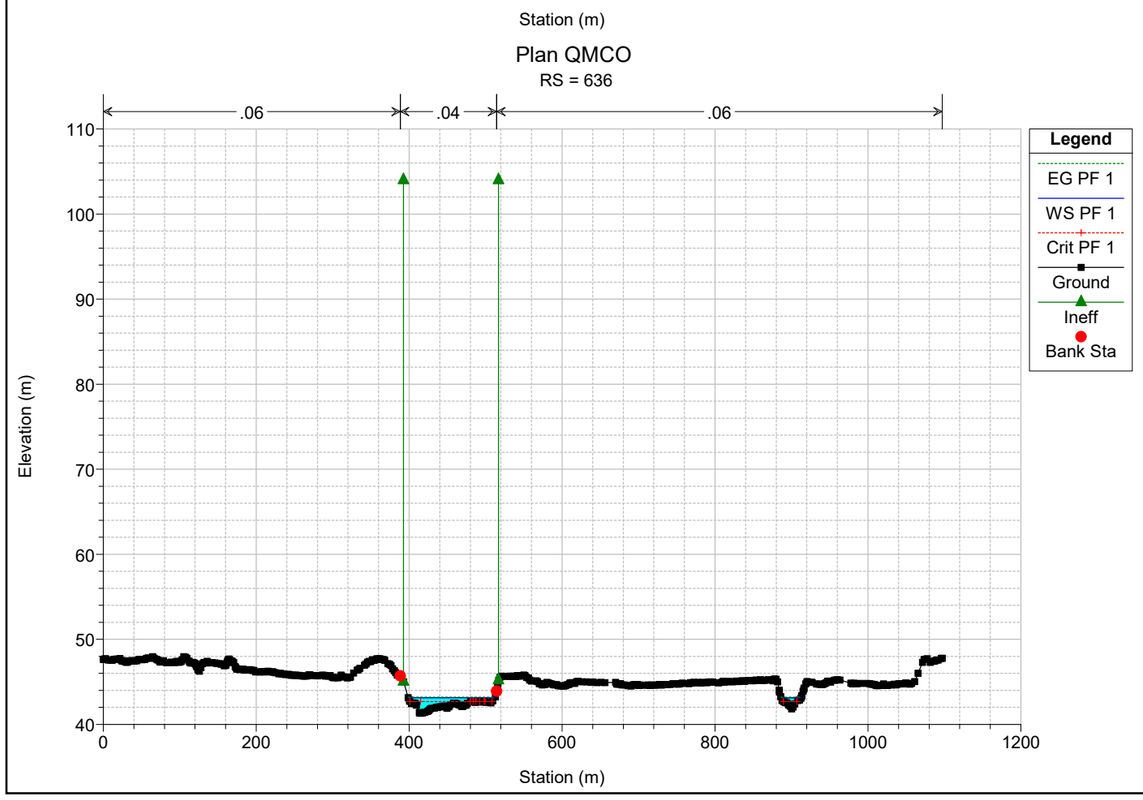

Plan QMCO
RS = 827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

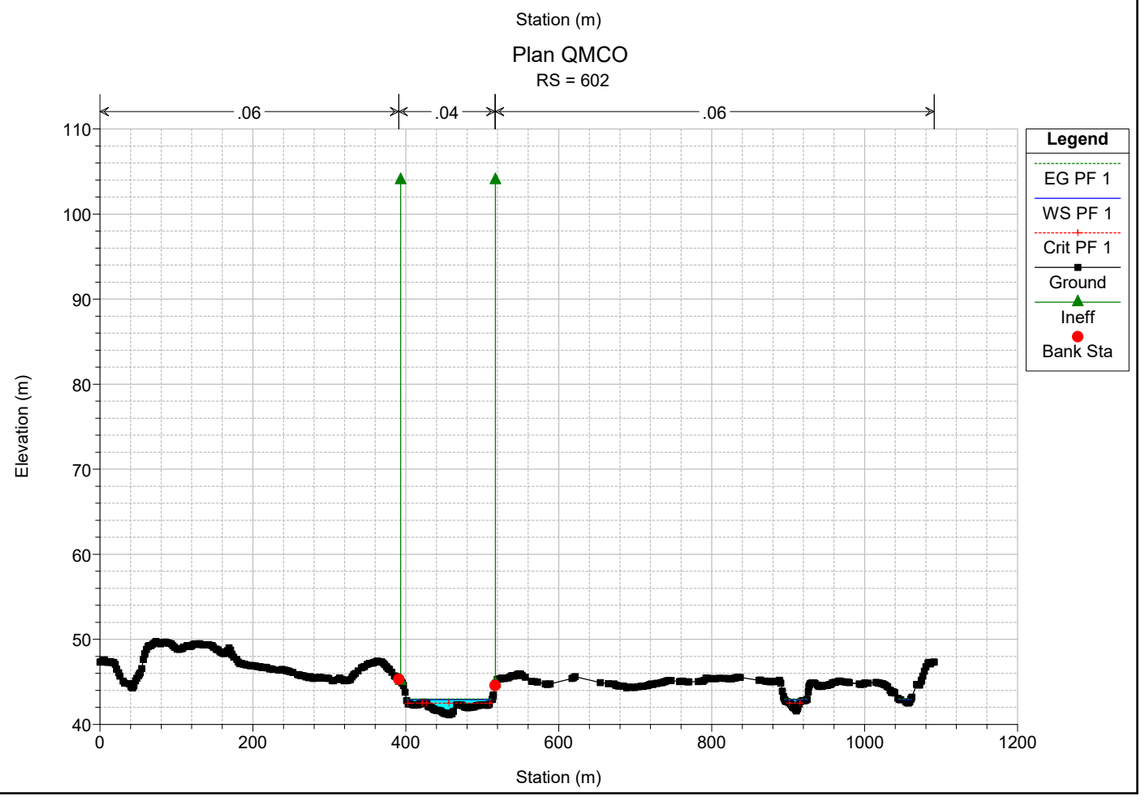

Plan QMCO
RS = 782
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

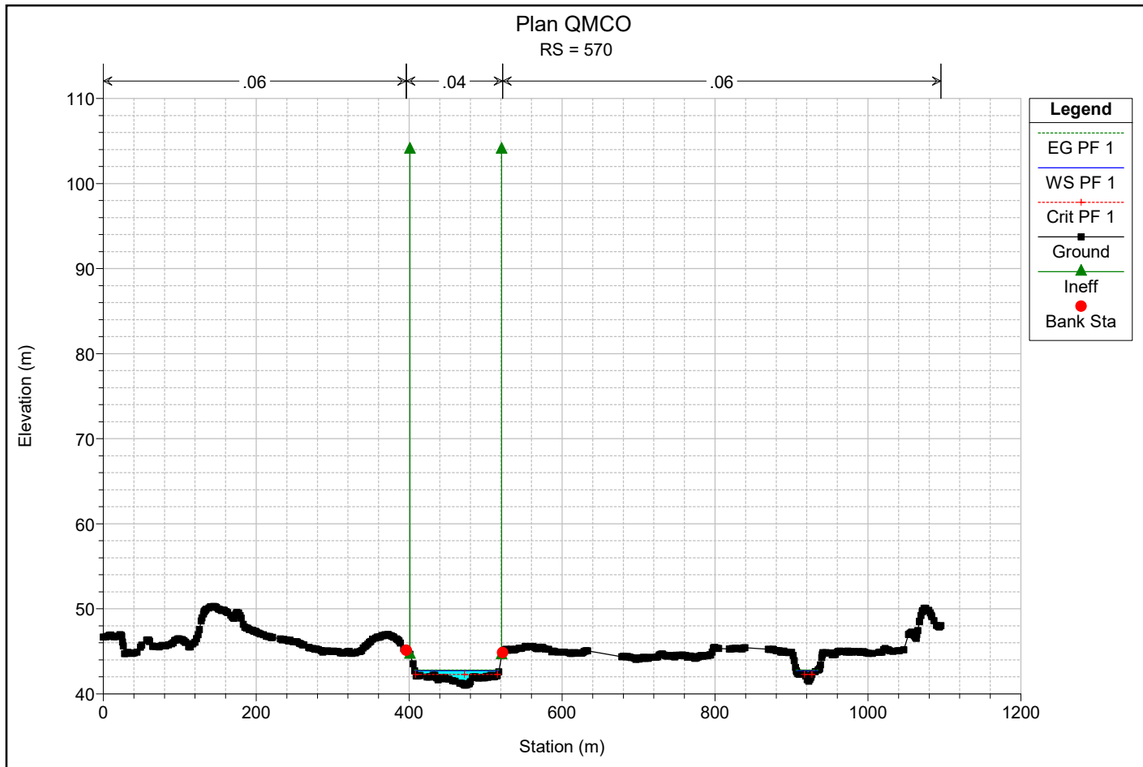

Plan QMCO
RS = 745
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

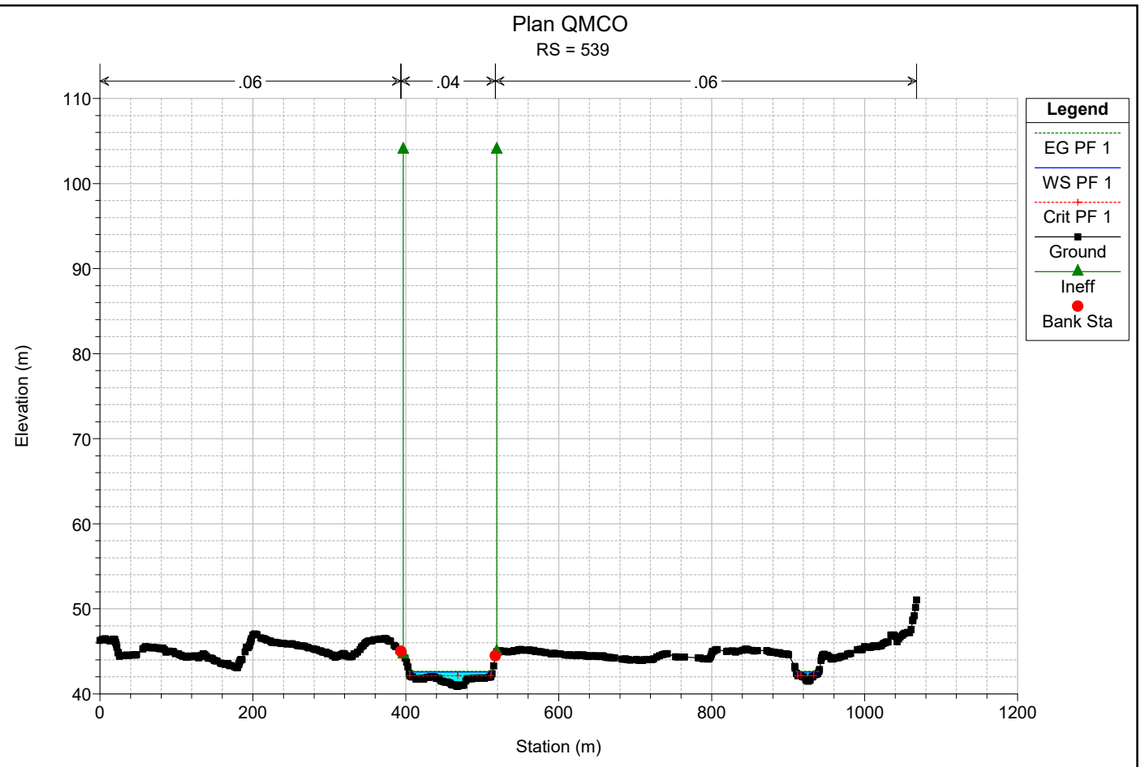

Plan QMCO
RS = 713
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

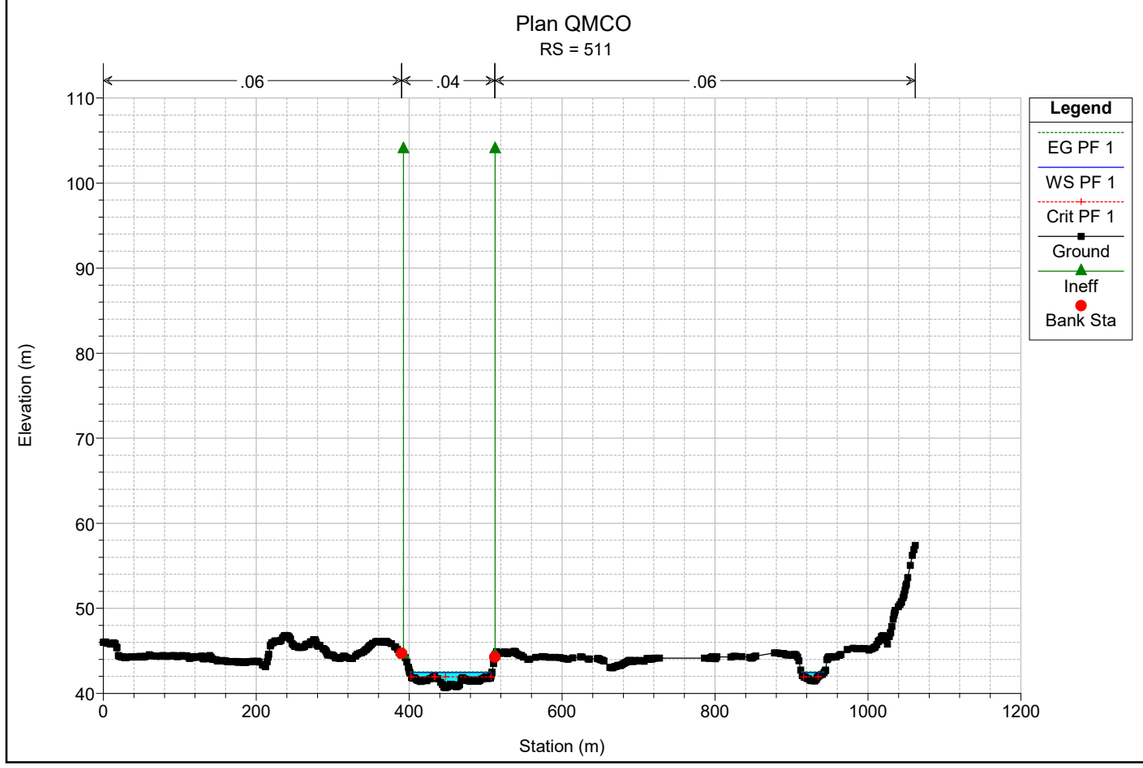

Plan QMCO
RS = 673
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

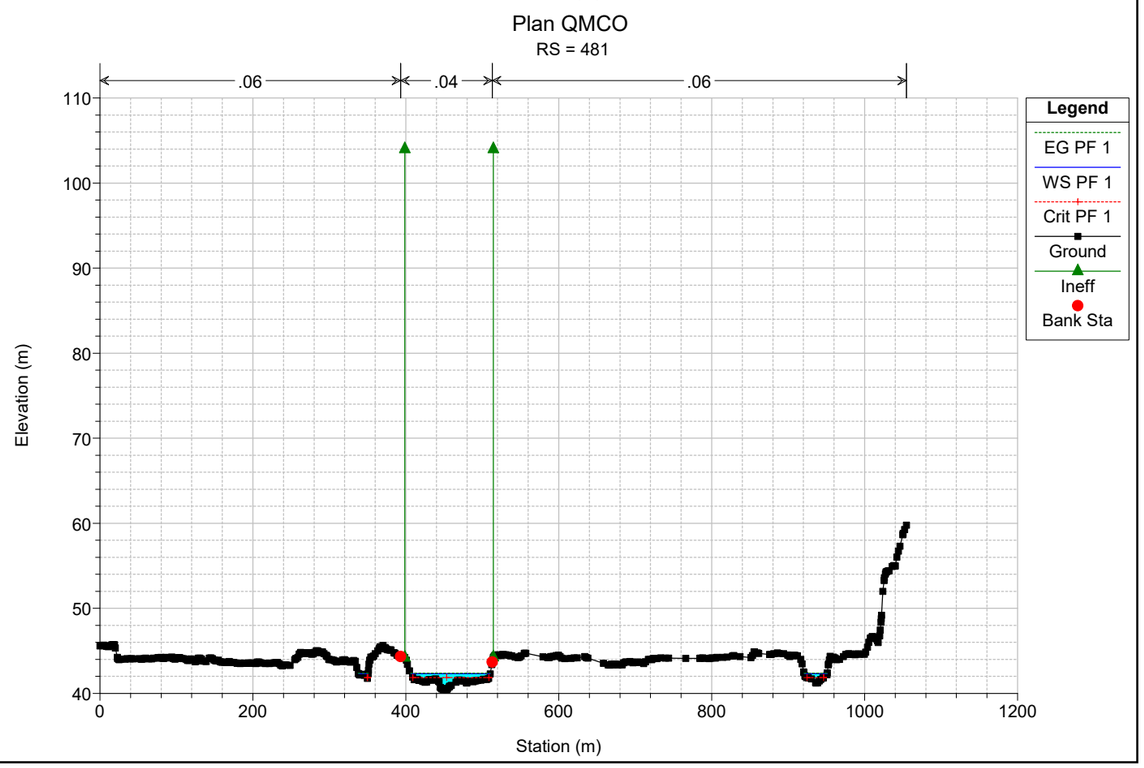

Plan QMCO
RS = 636
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

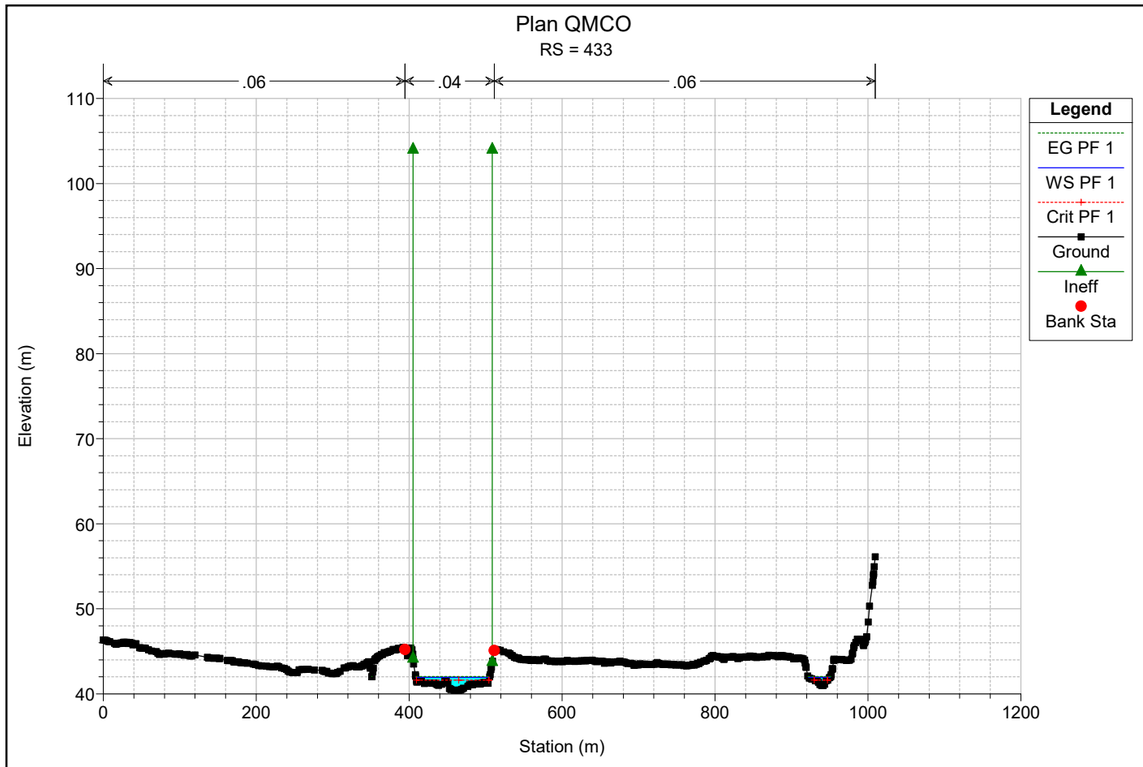

Plan QMCO
RS = 602
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

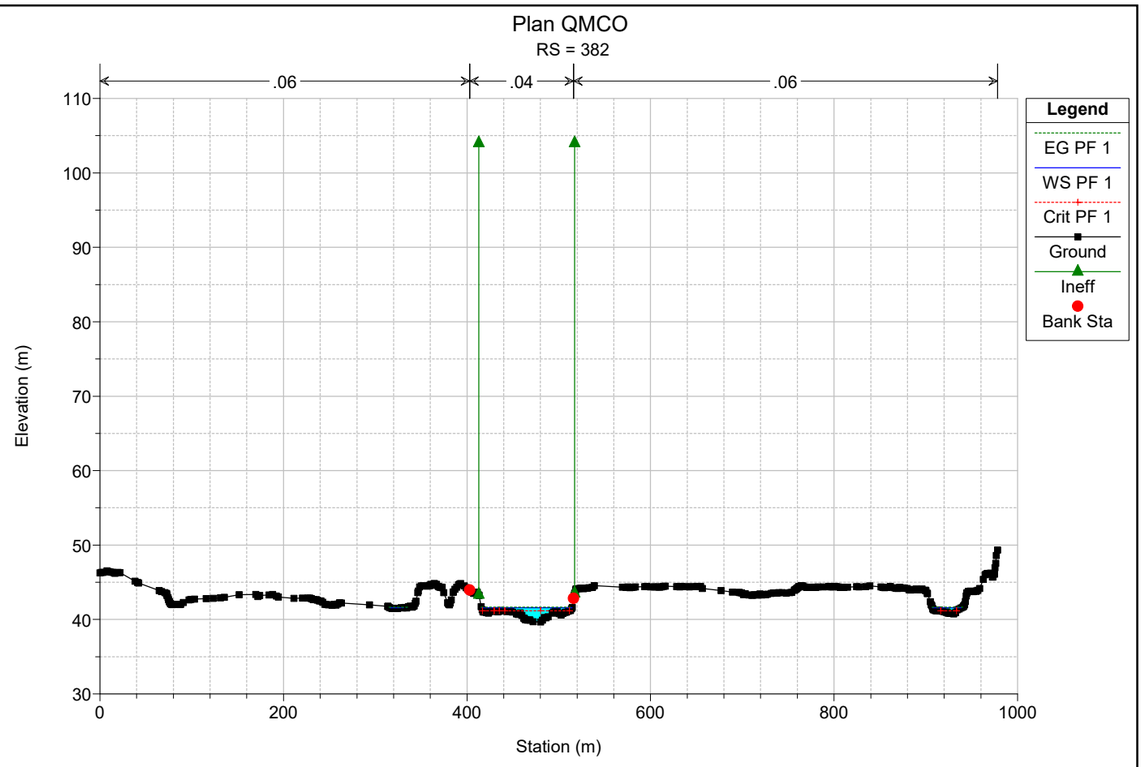

Plan QMCO
RS = 570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

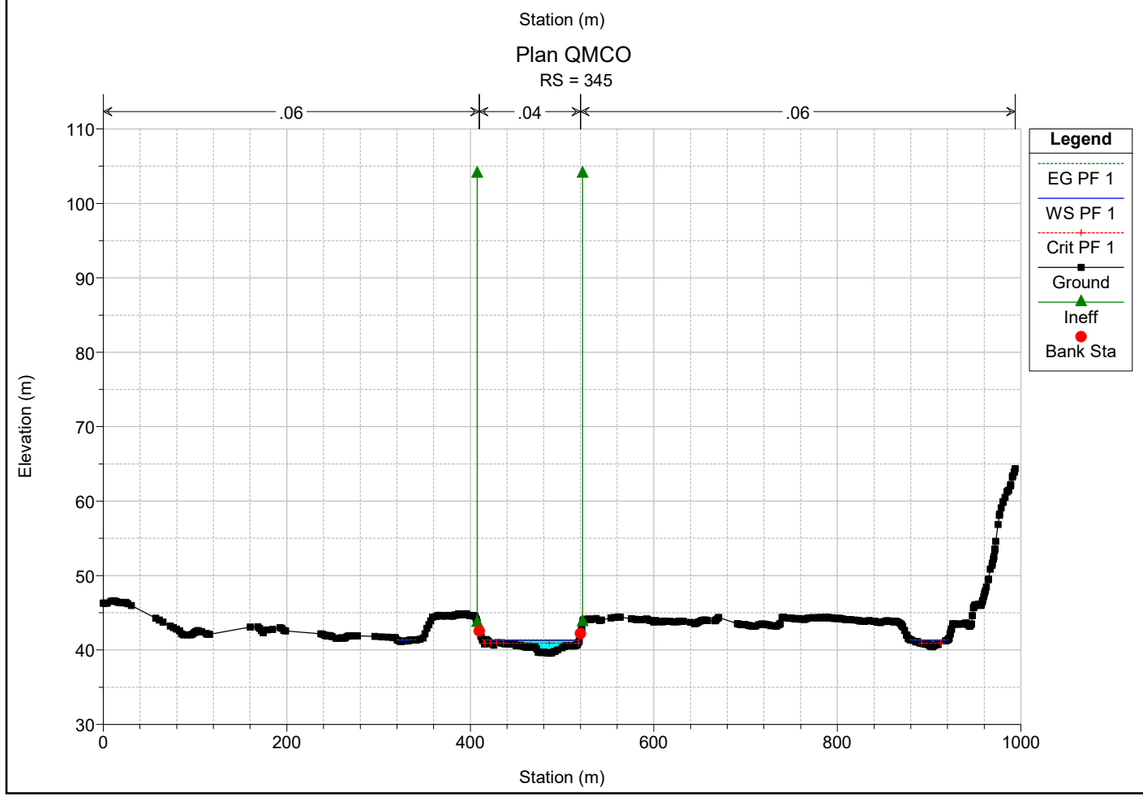

Plan QMCO
RS = 539
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

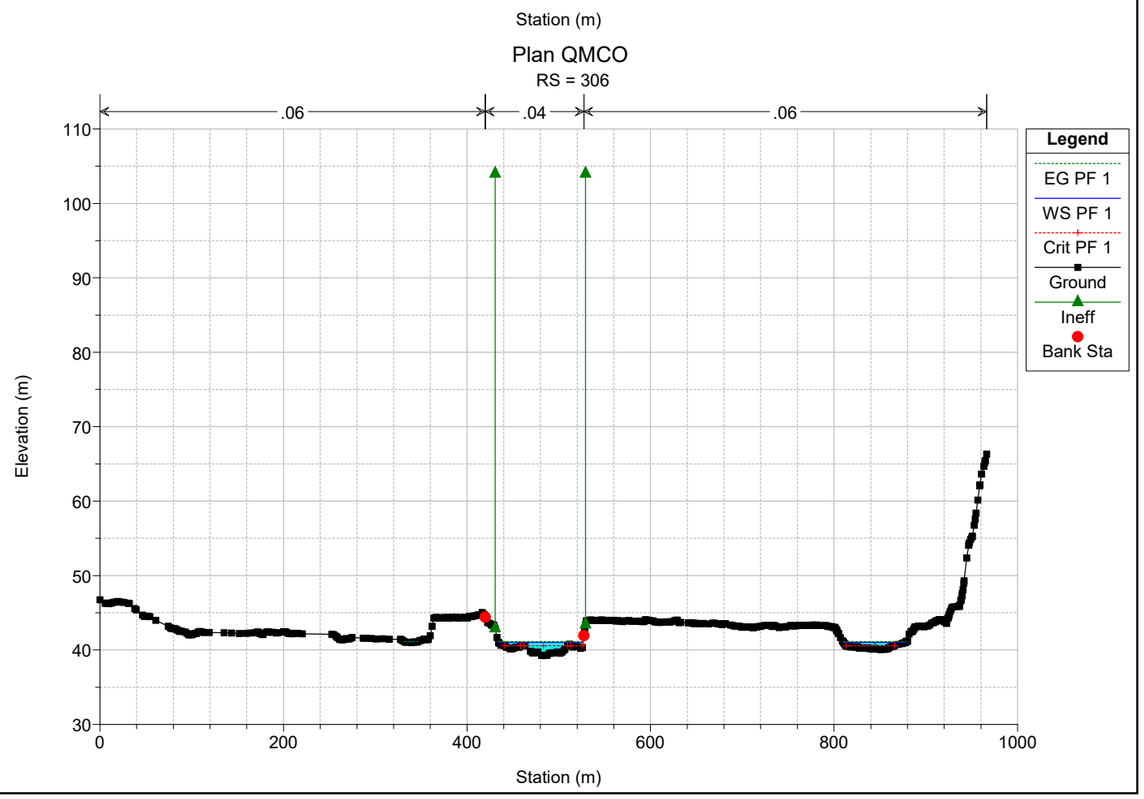

Plan QMCO
RS = 511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

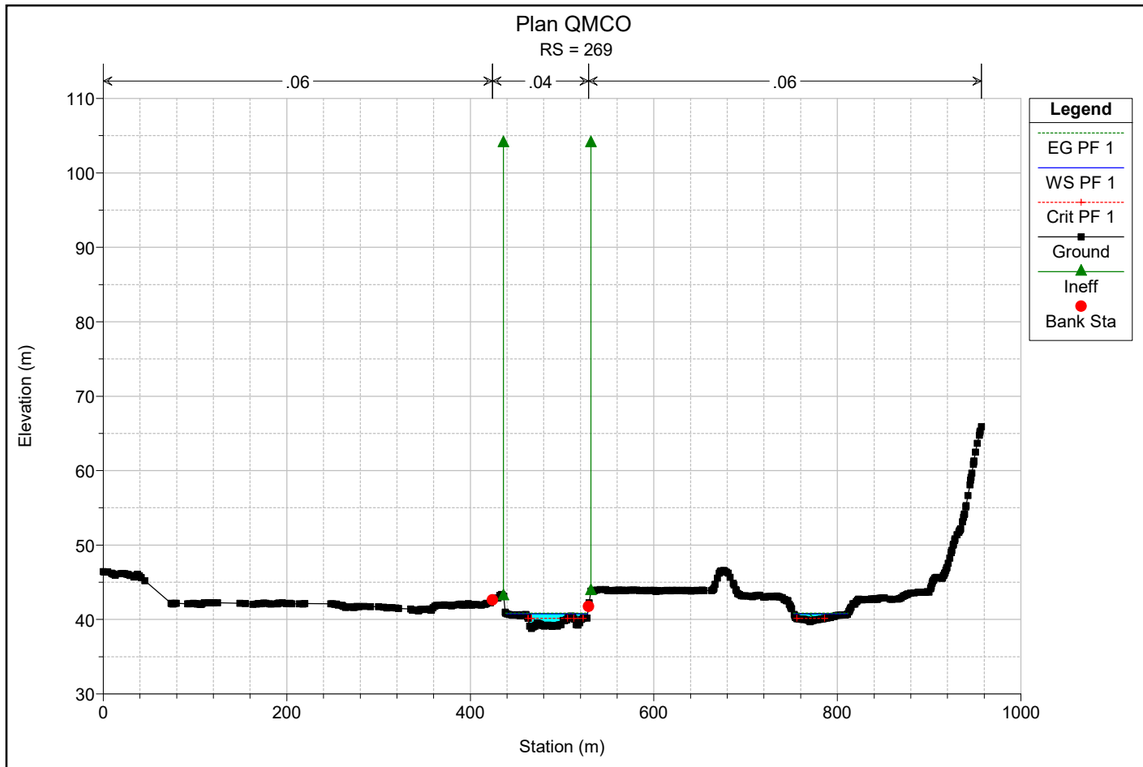

Plan QMCO
RS = 481
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

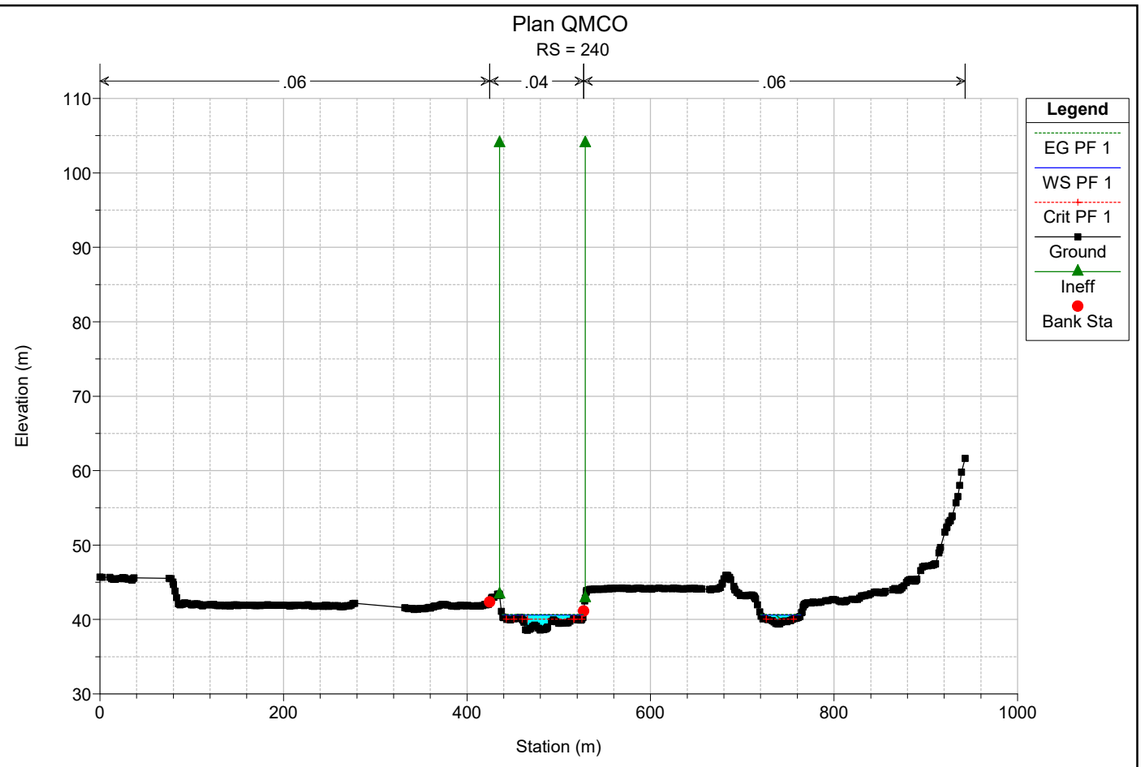

Plan QMCO
RS = 433
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

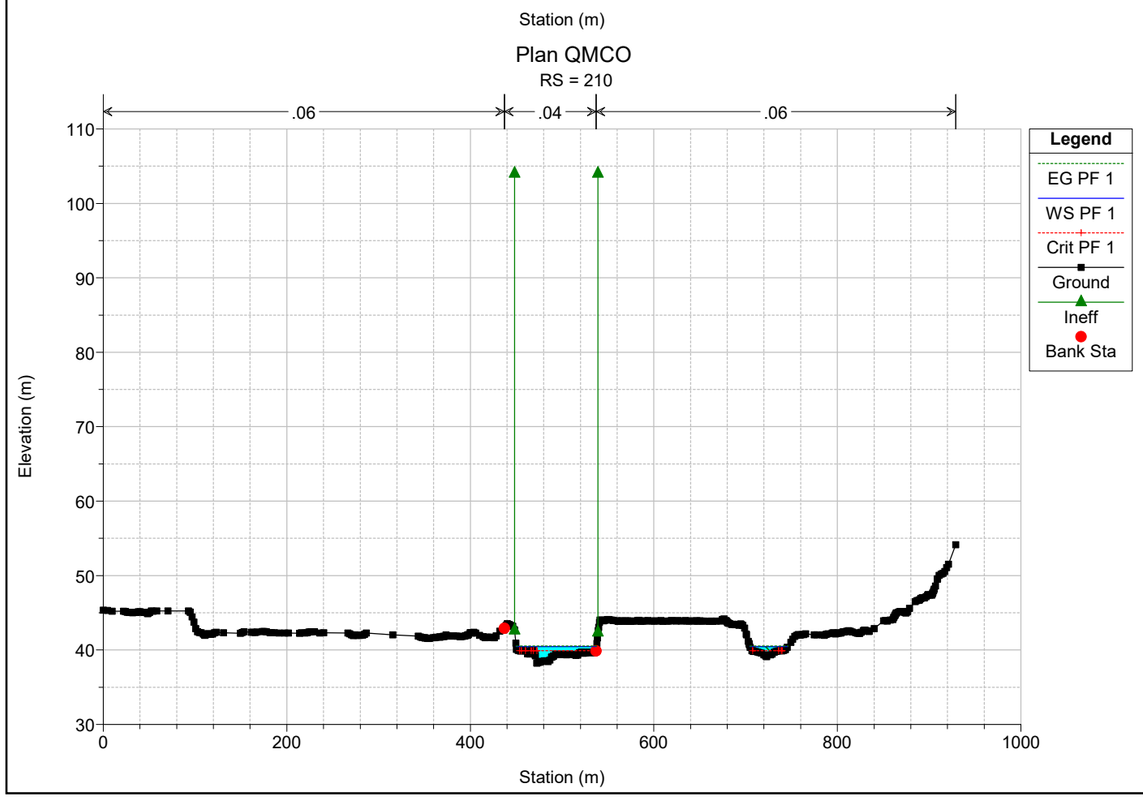

Plan QMCO
RS = 382
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

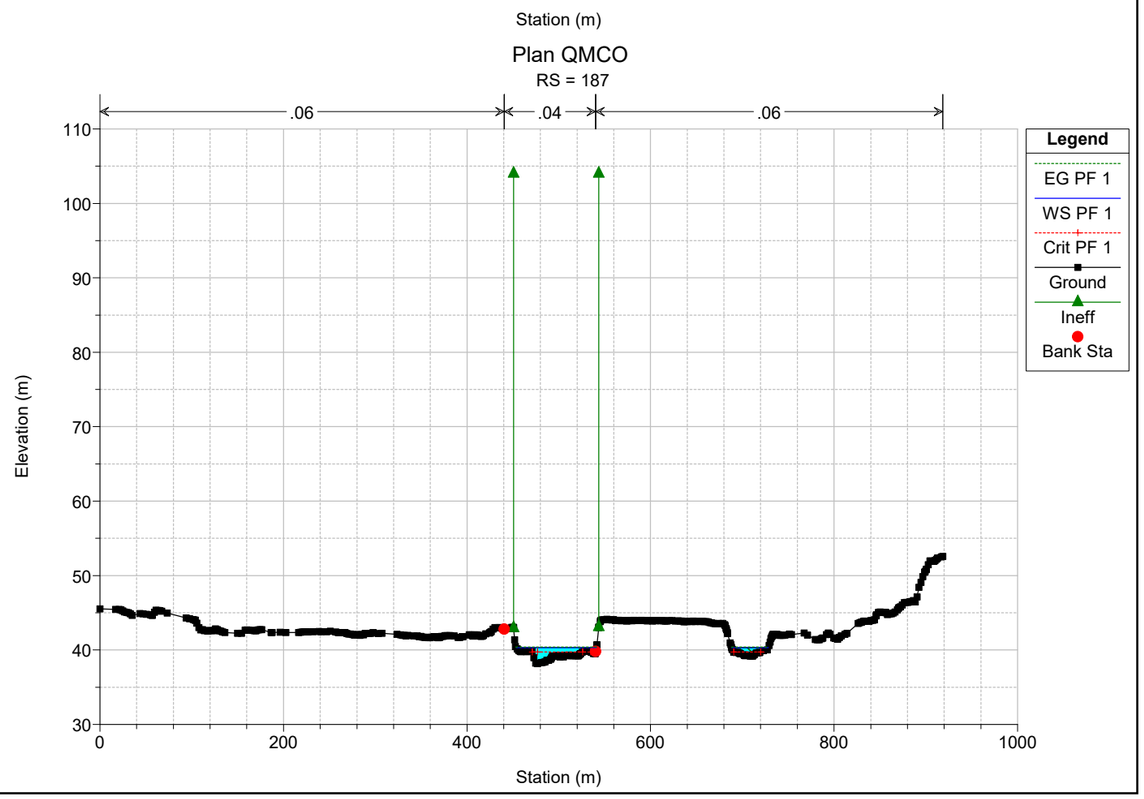

Plan QMCO
RS = 345
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

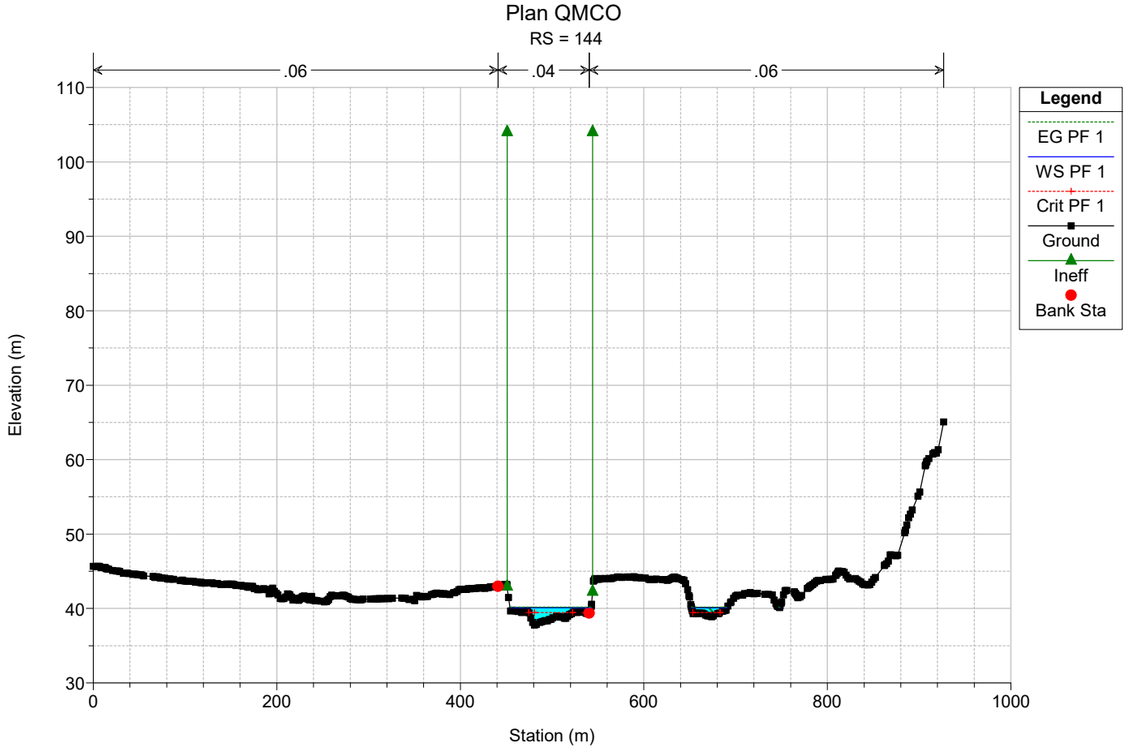

Plan QMCO
RS = 306
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

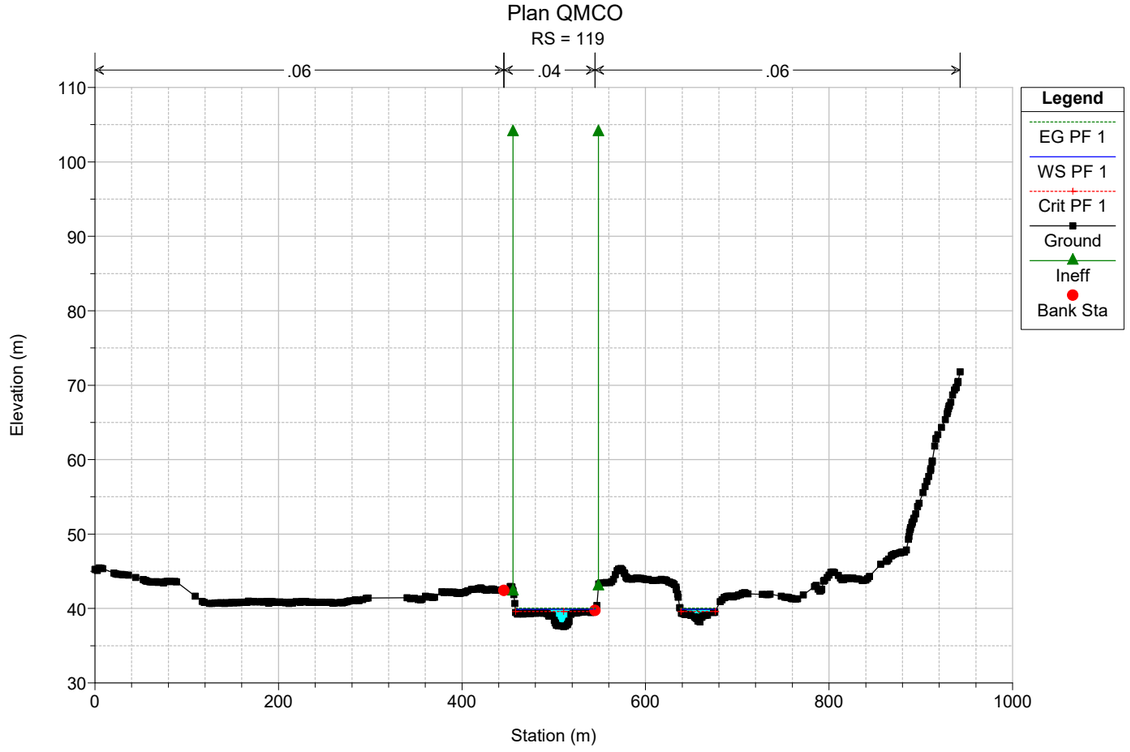

Plan QMCO
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

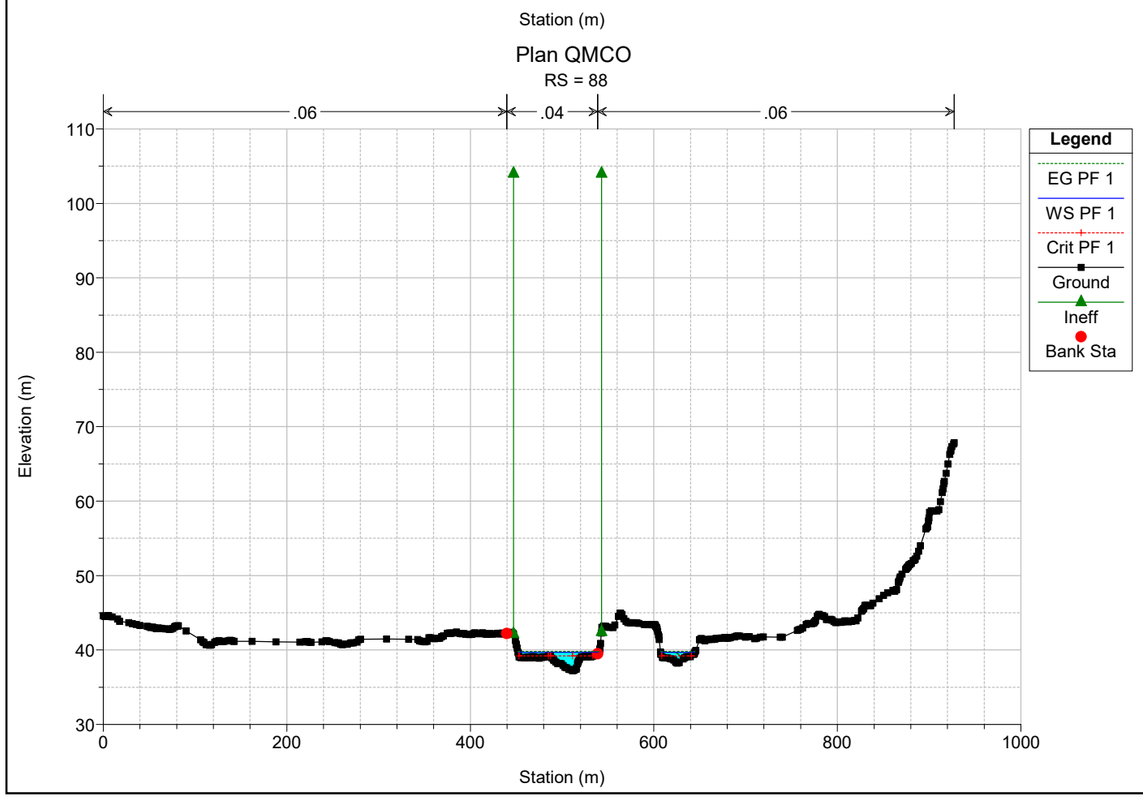

Plan QMCO
RS = 240
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

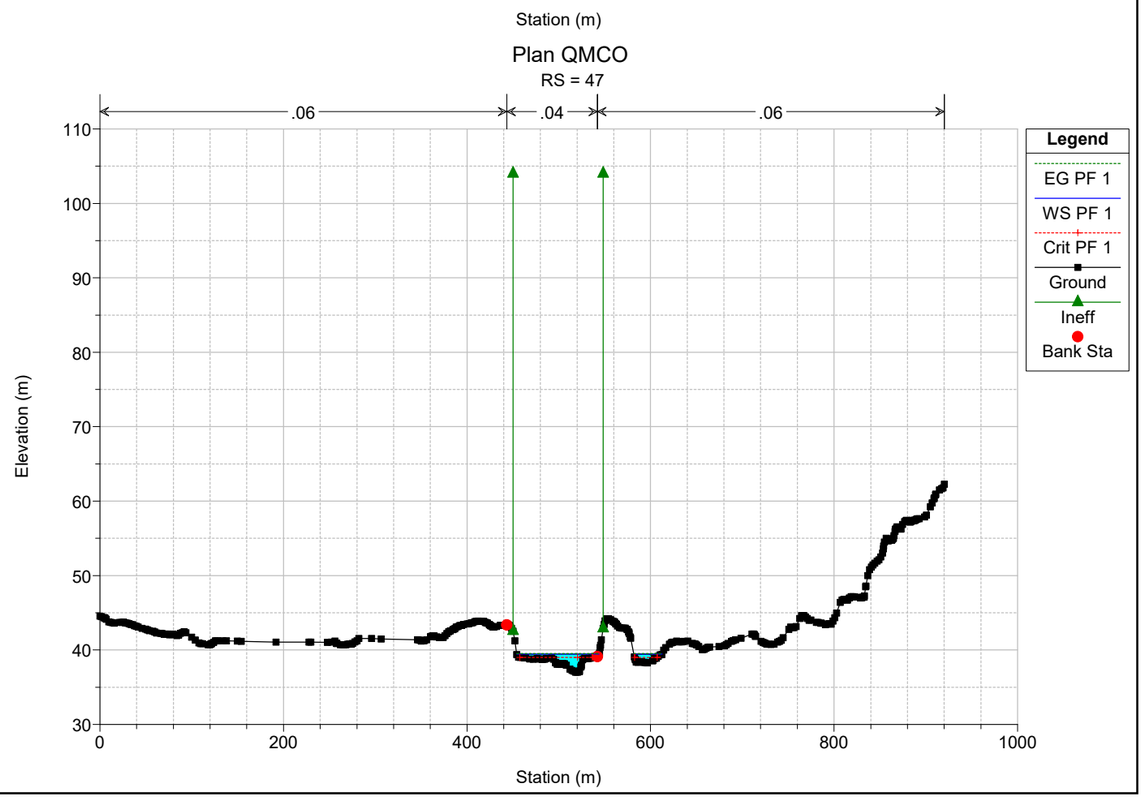

Plan QMCO
RS = 210
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

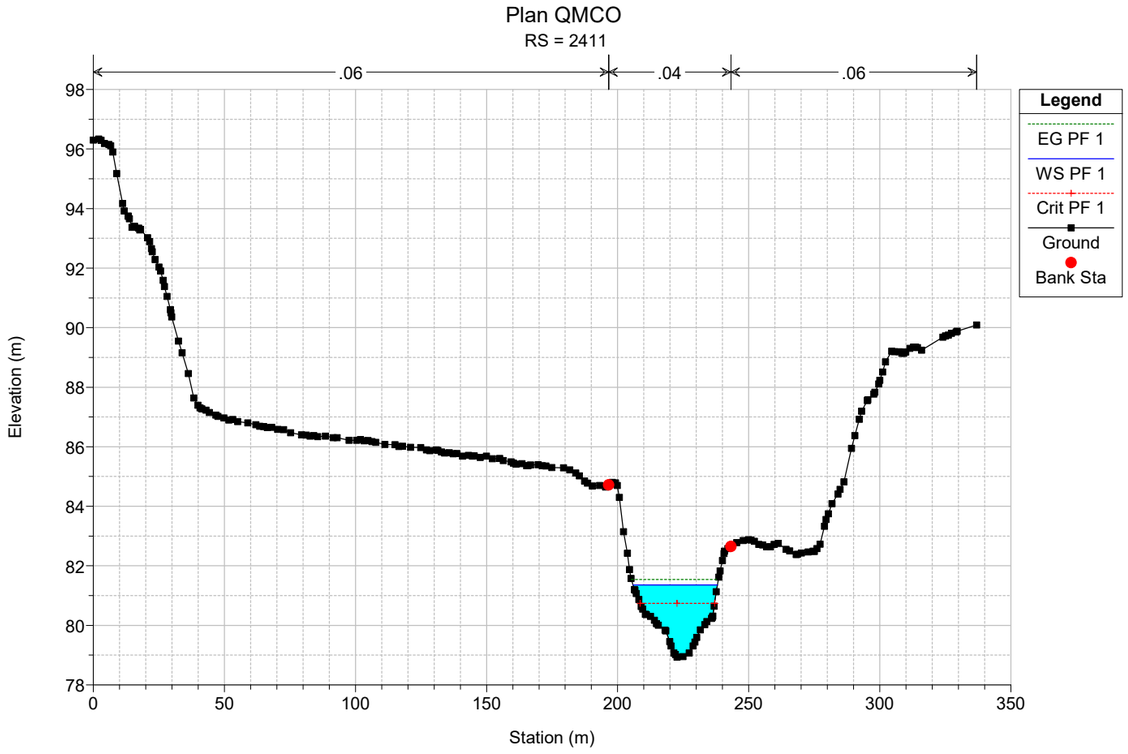

Plan QMCO
RS = 187
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

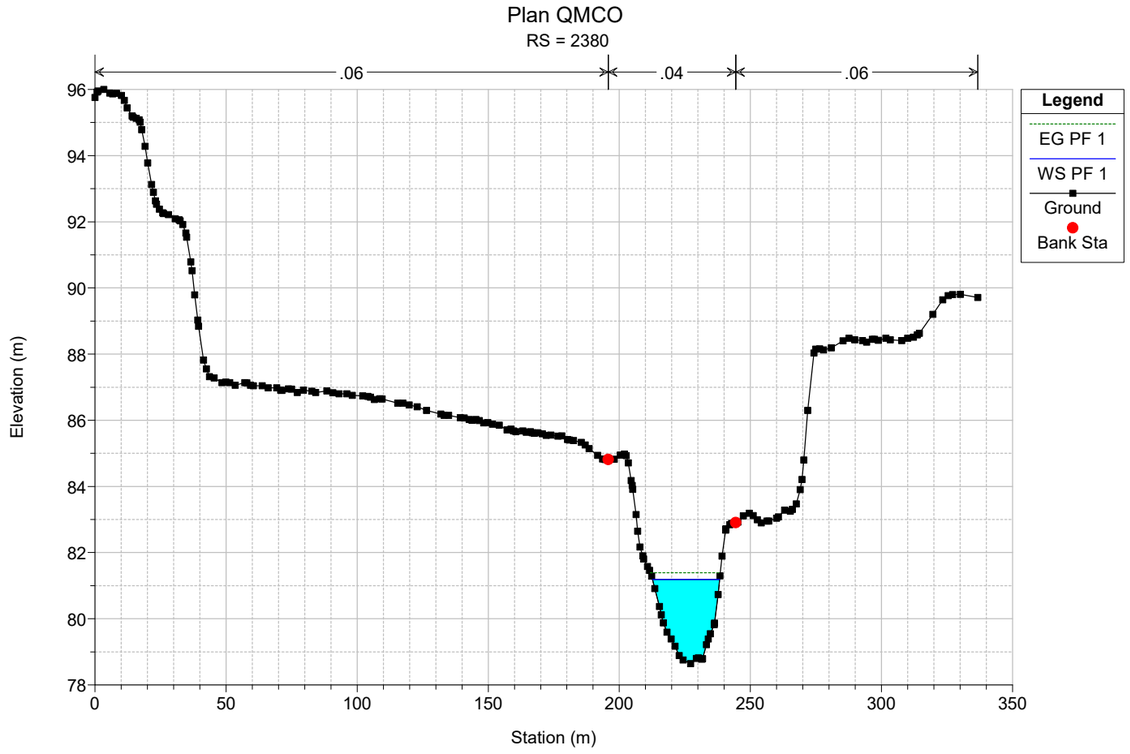

Plan QMCO
RS = 144
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

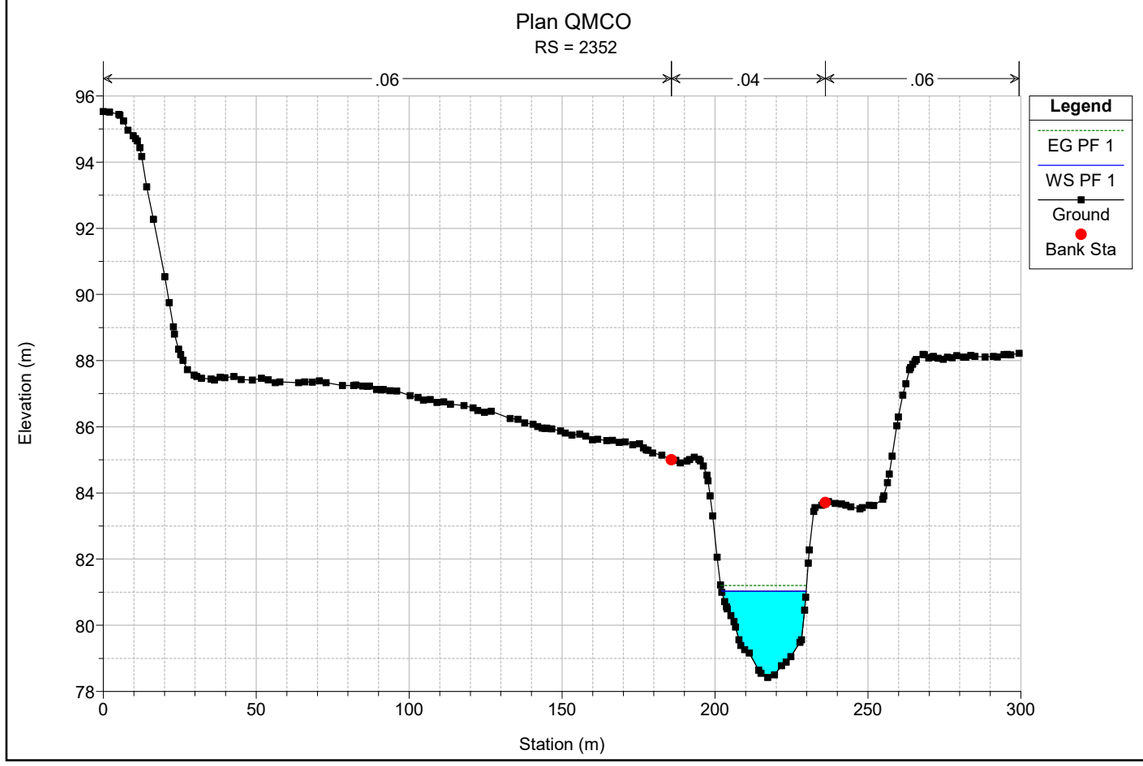

Plan QMCO
RS = 119
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

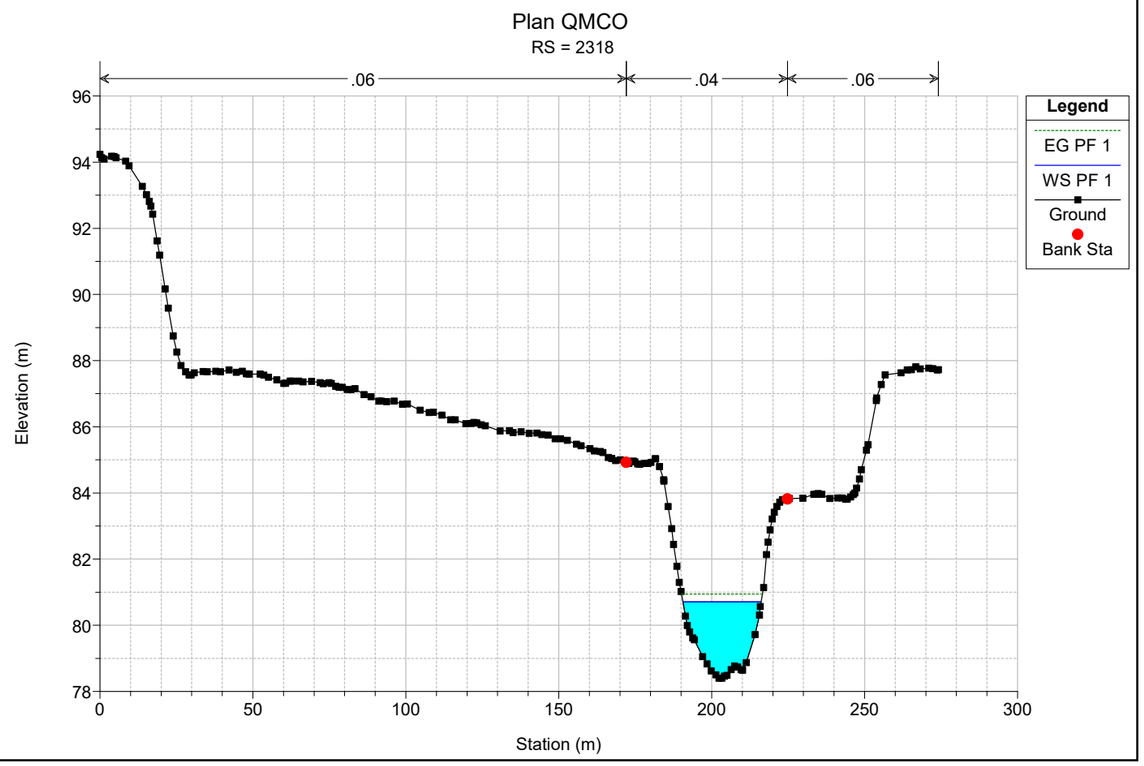

Plan QMCO
RS = 88
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

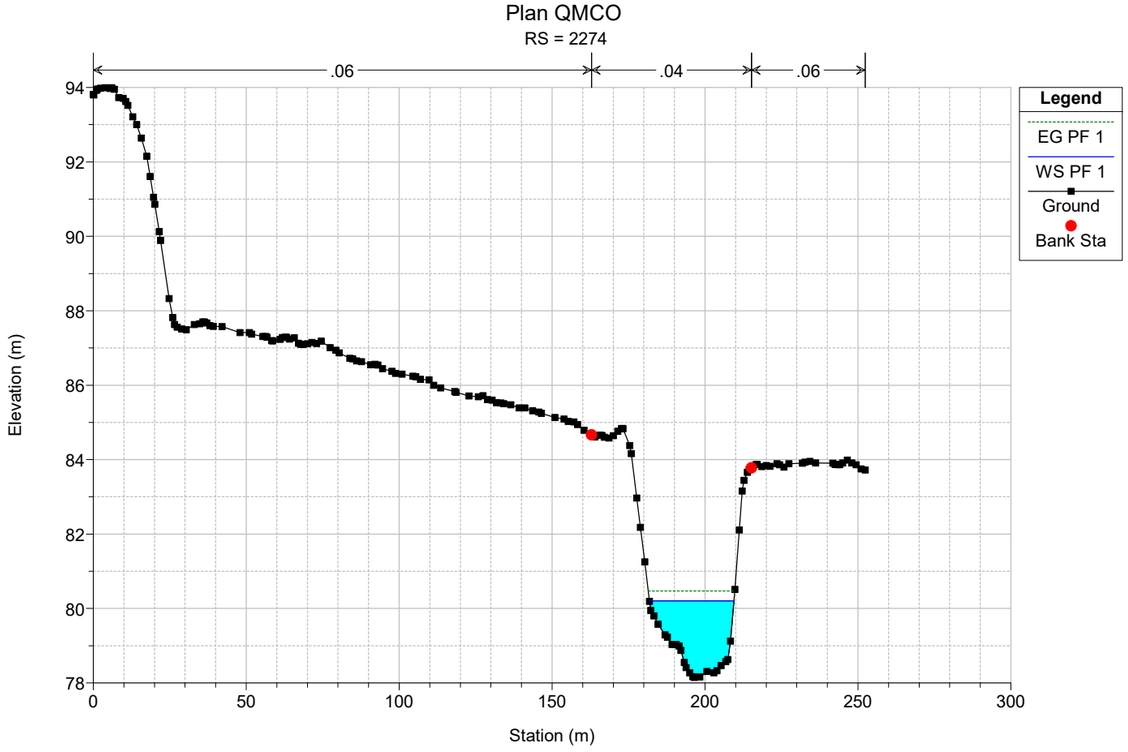

Plan QMCO
RS = 47
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

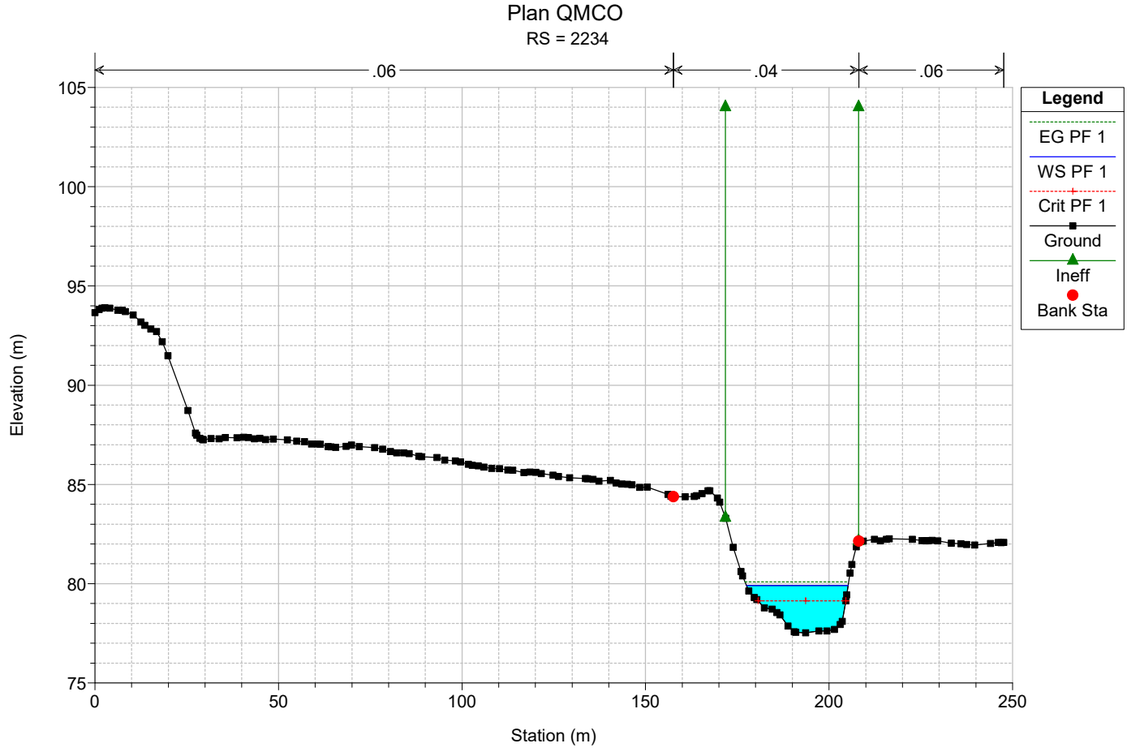

Plan QMCO
RS = 2411
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

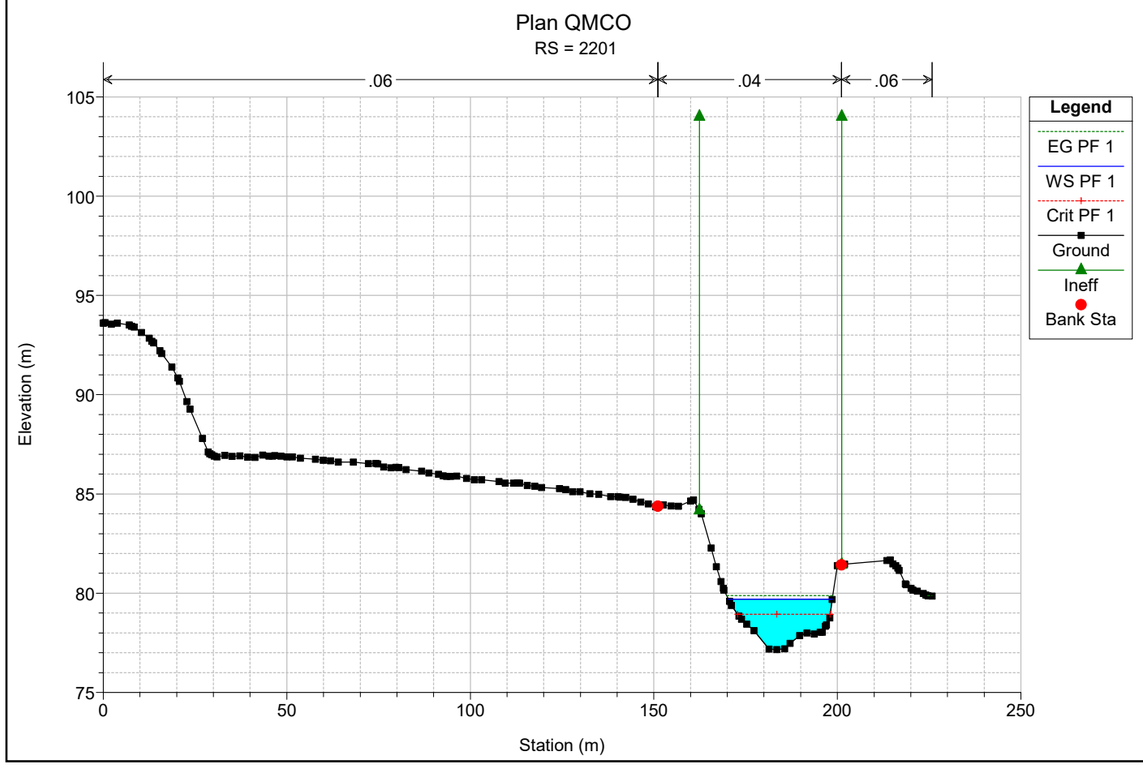

Plan QMCO
RS = 2380
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

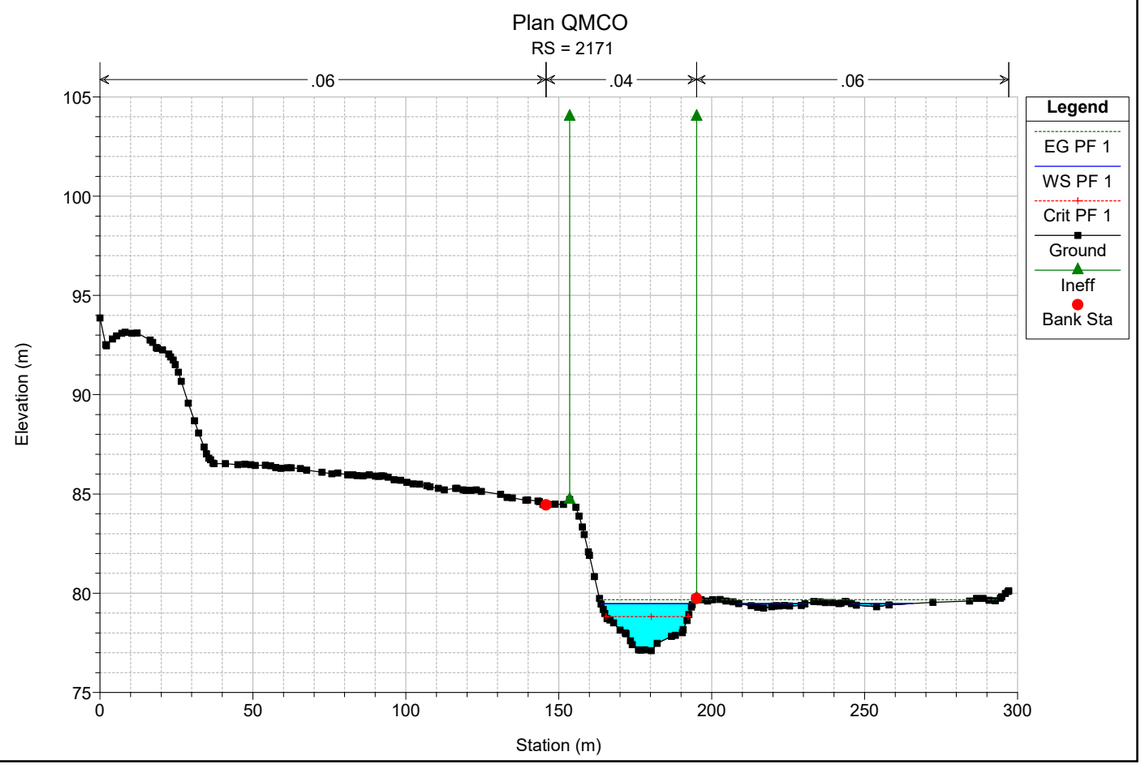

Plan QMCO
RS = 2352
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

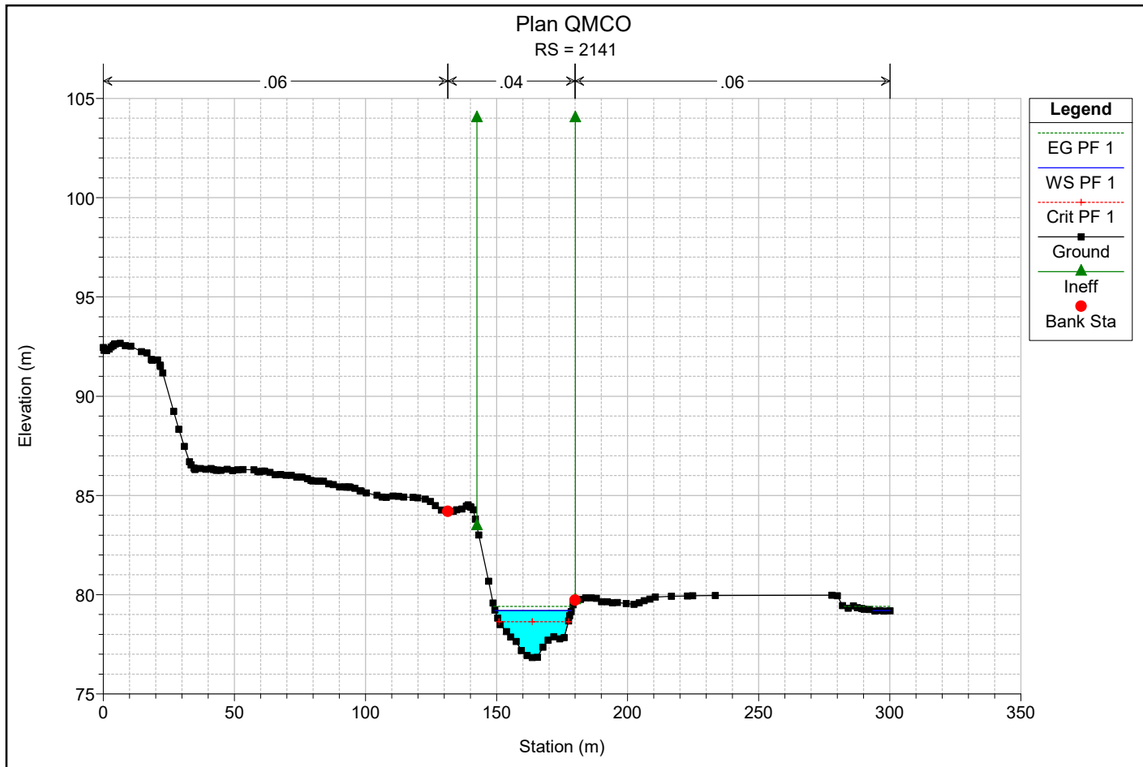

Plan QMCO
RS = 2318
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

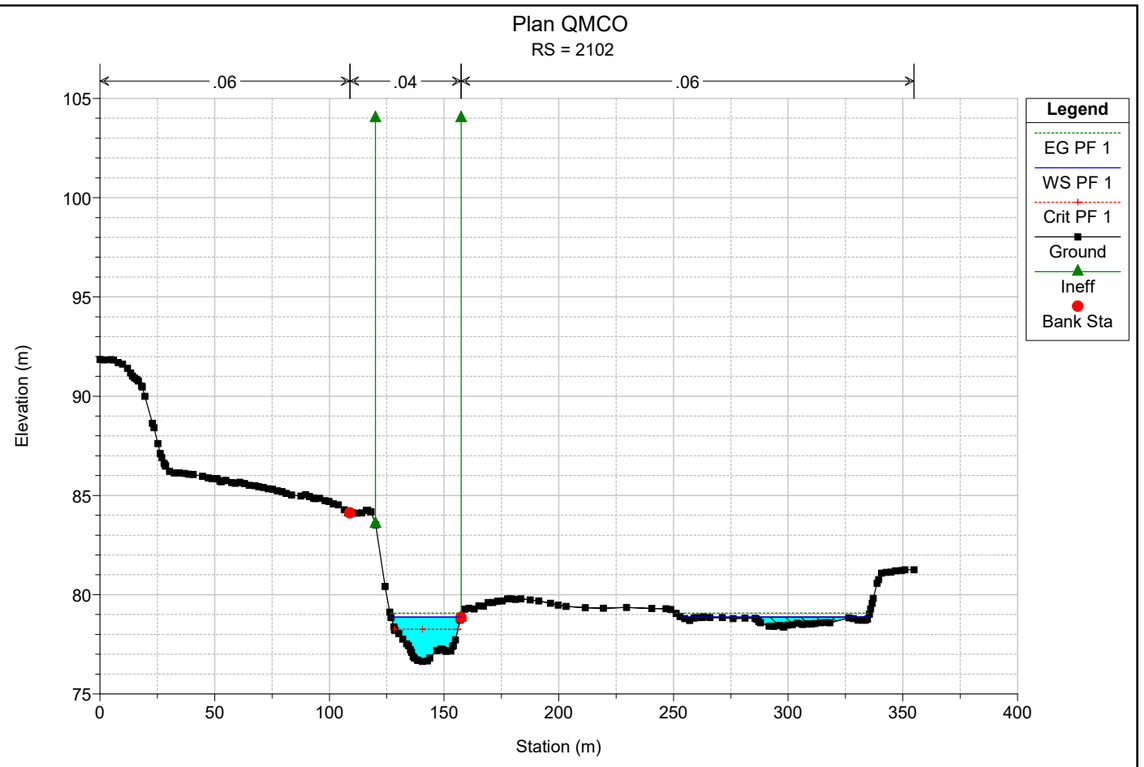

Plan QMCO
RS = 2274
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

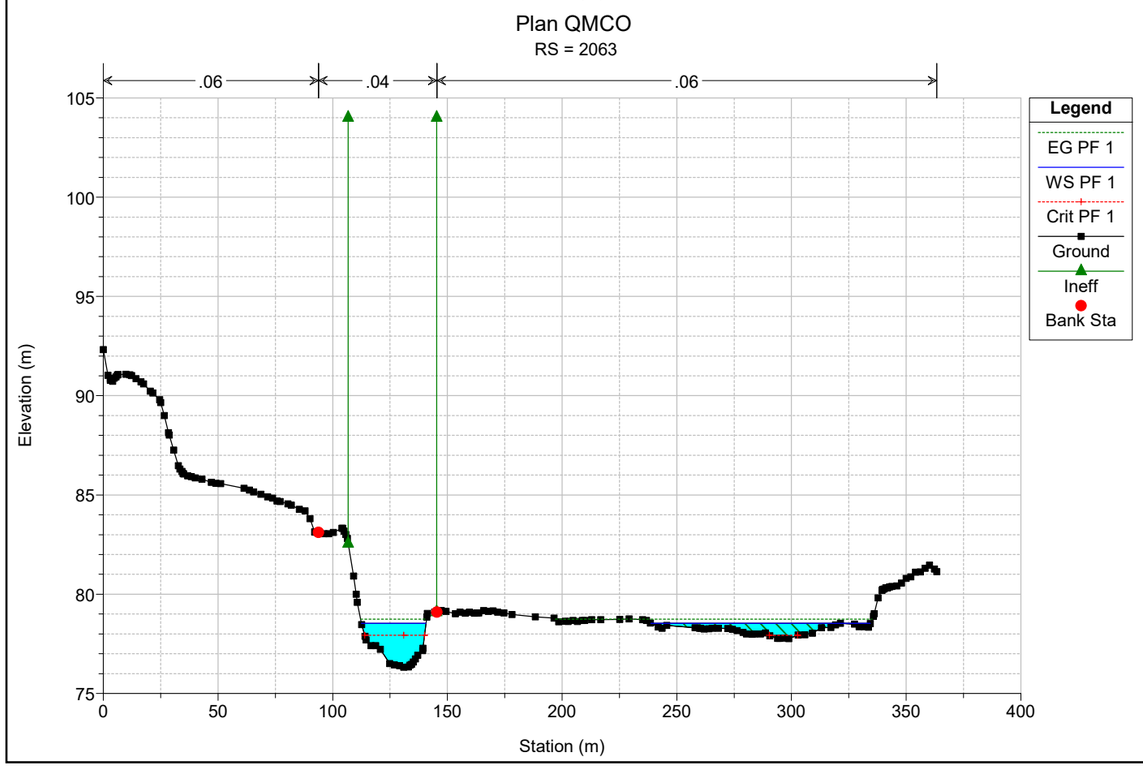

Plan QMCO
RS = 2234
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

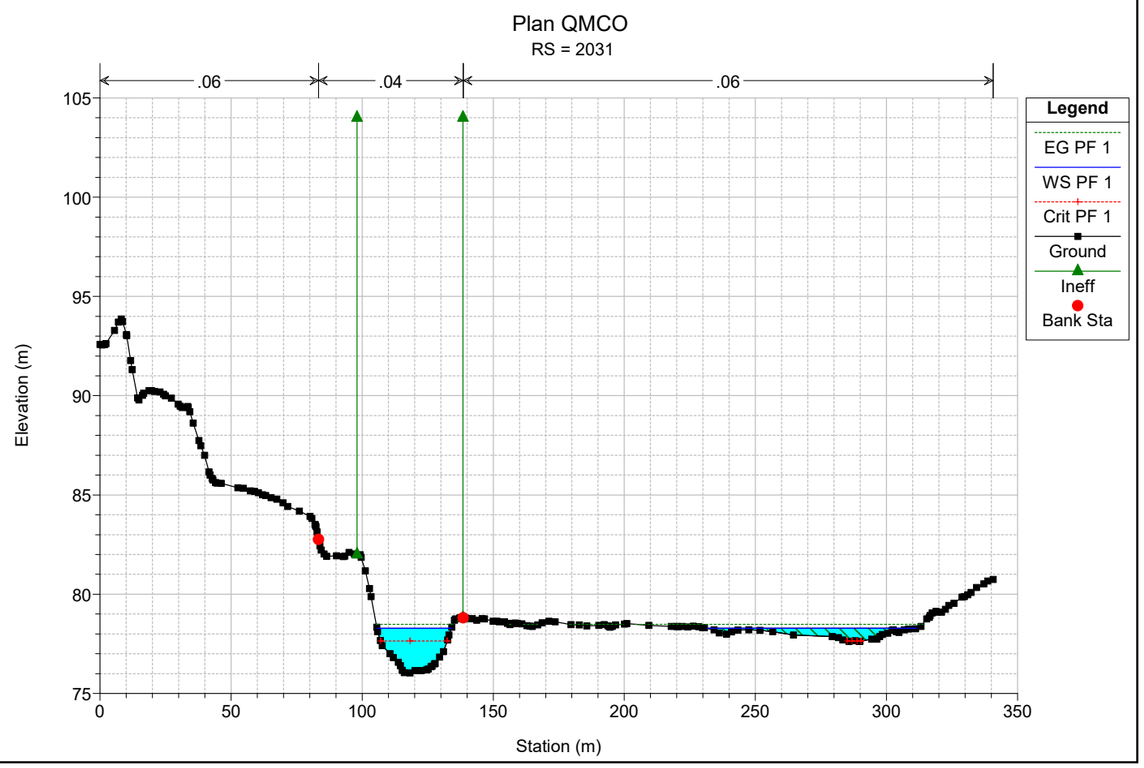

Plan QMCO
RS = 2201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

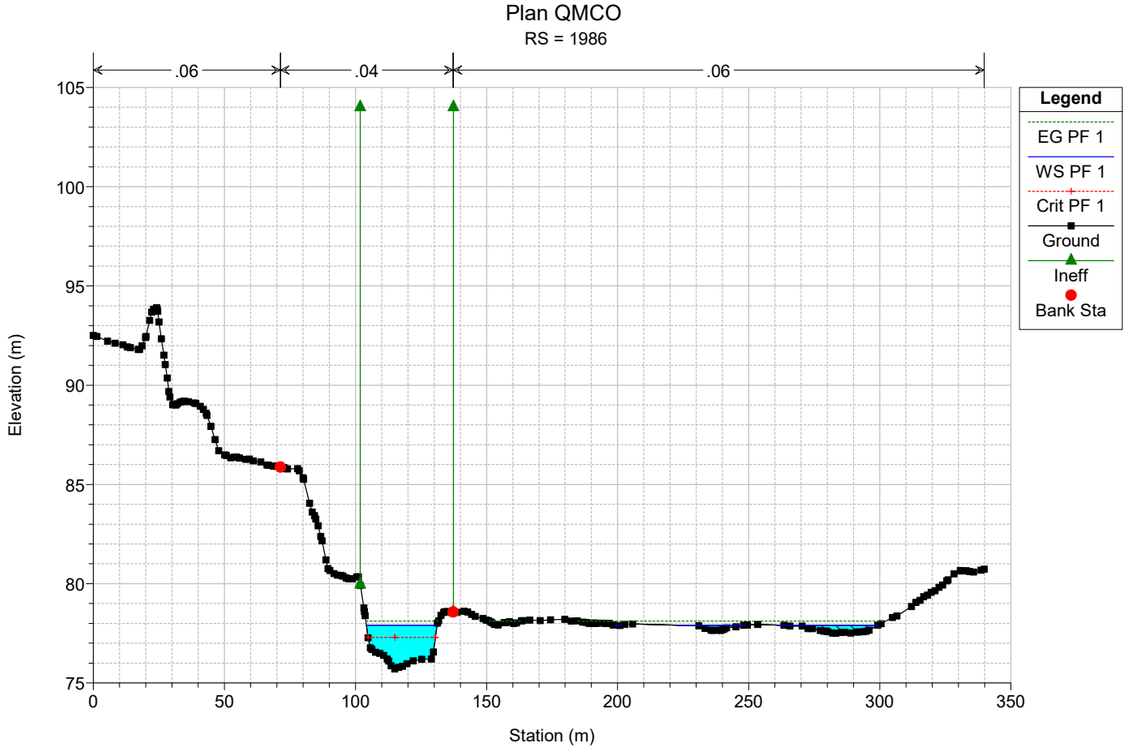

Plan QMCO
RS = 2171
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

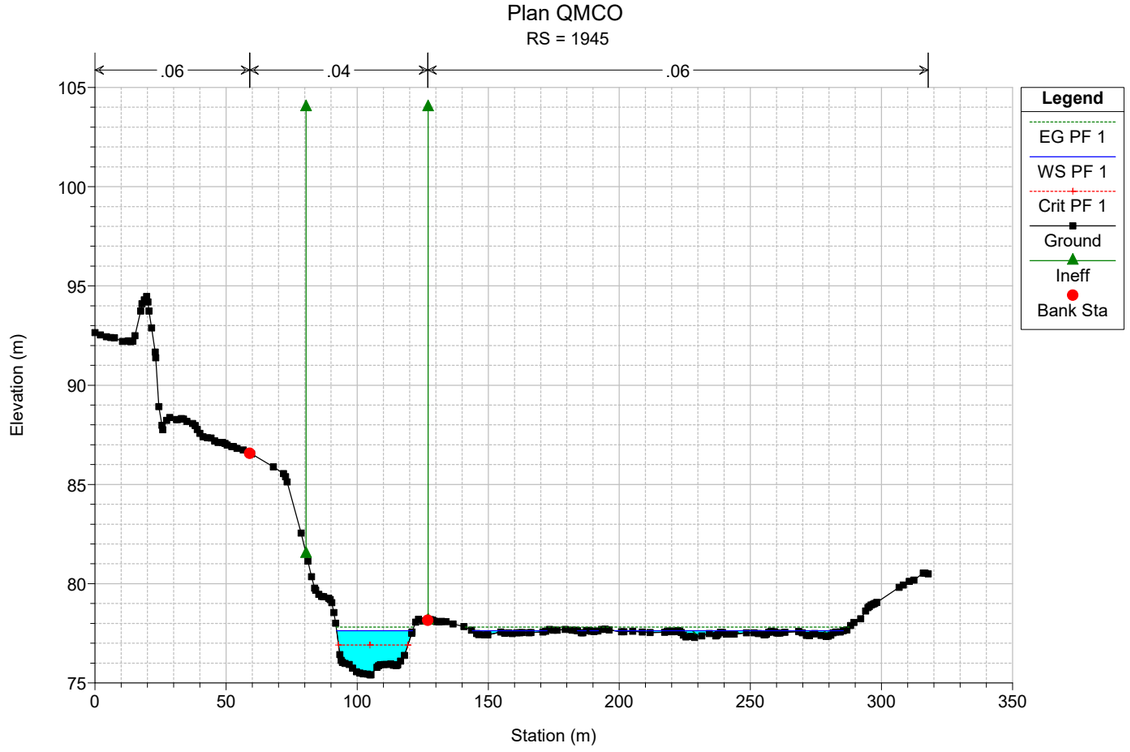

Plan QMCO
RS = 2141
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

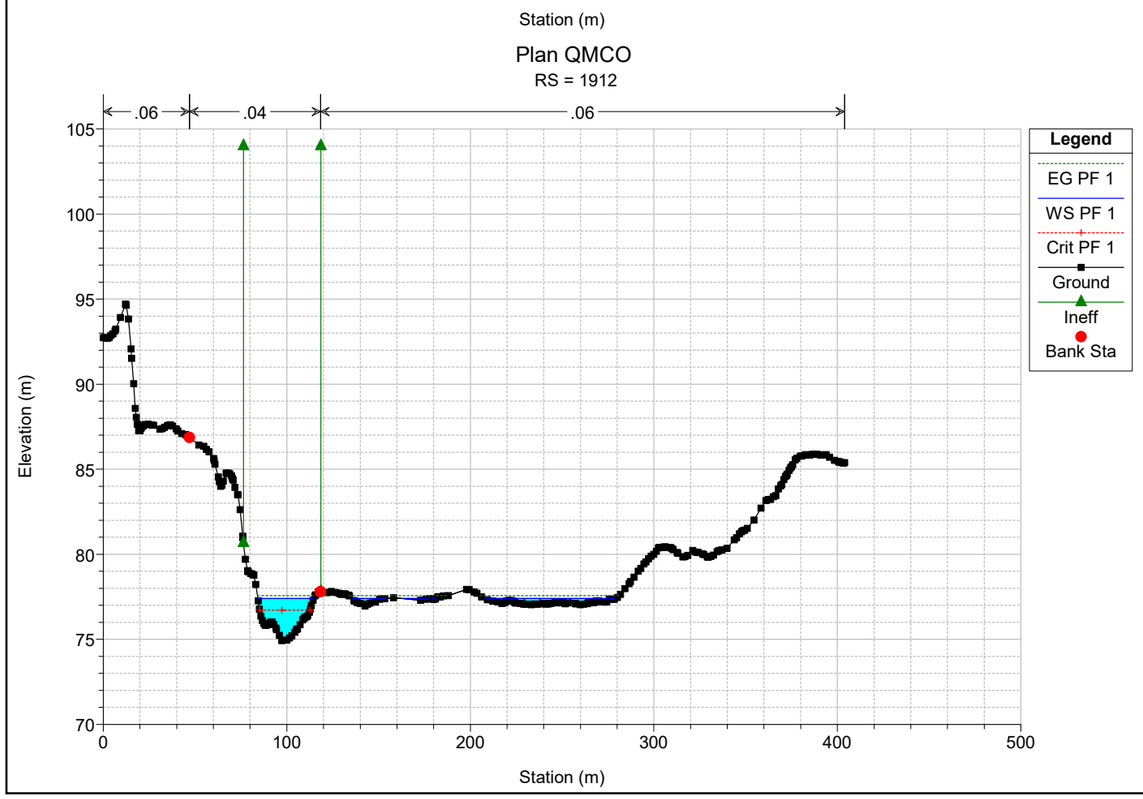

Plan QMCO
RS = 2102
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

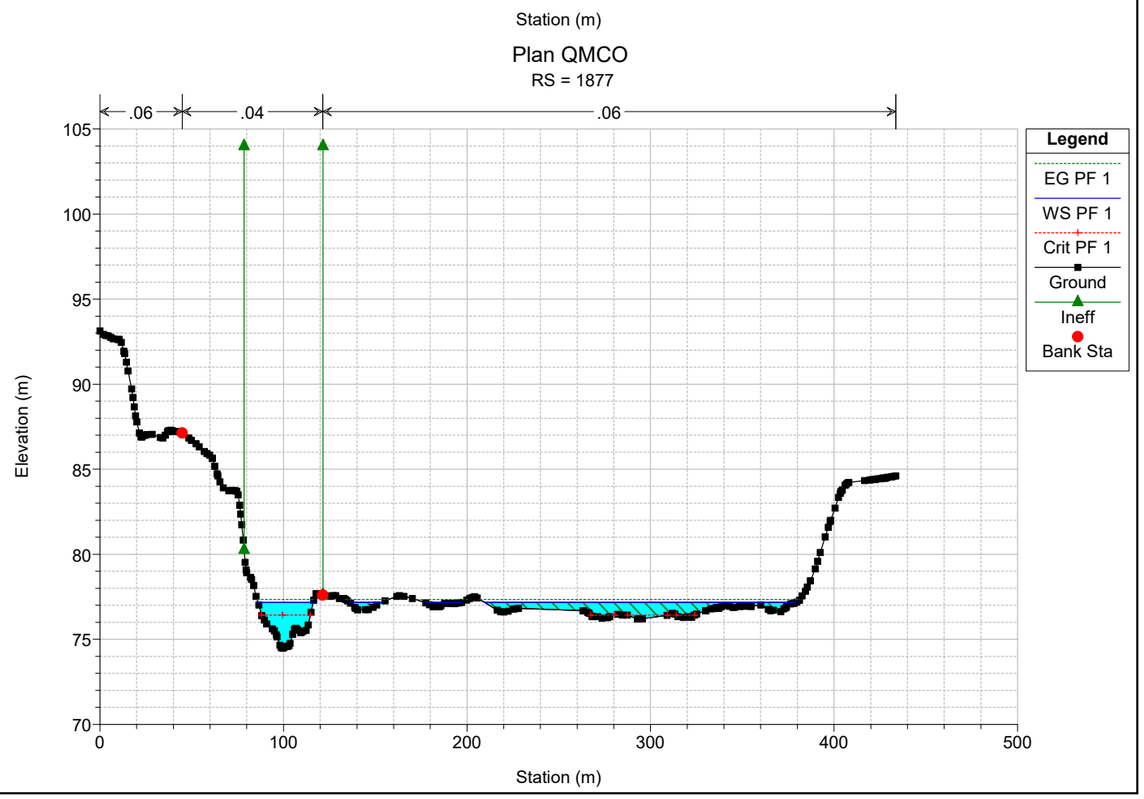

Plan QMCO
RS = 2063
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

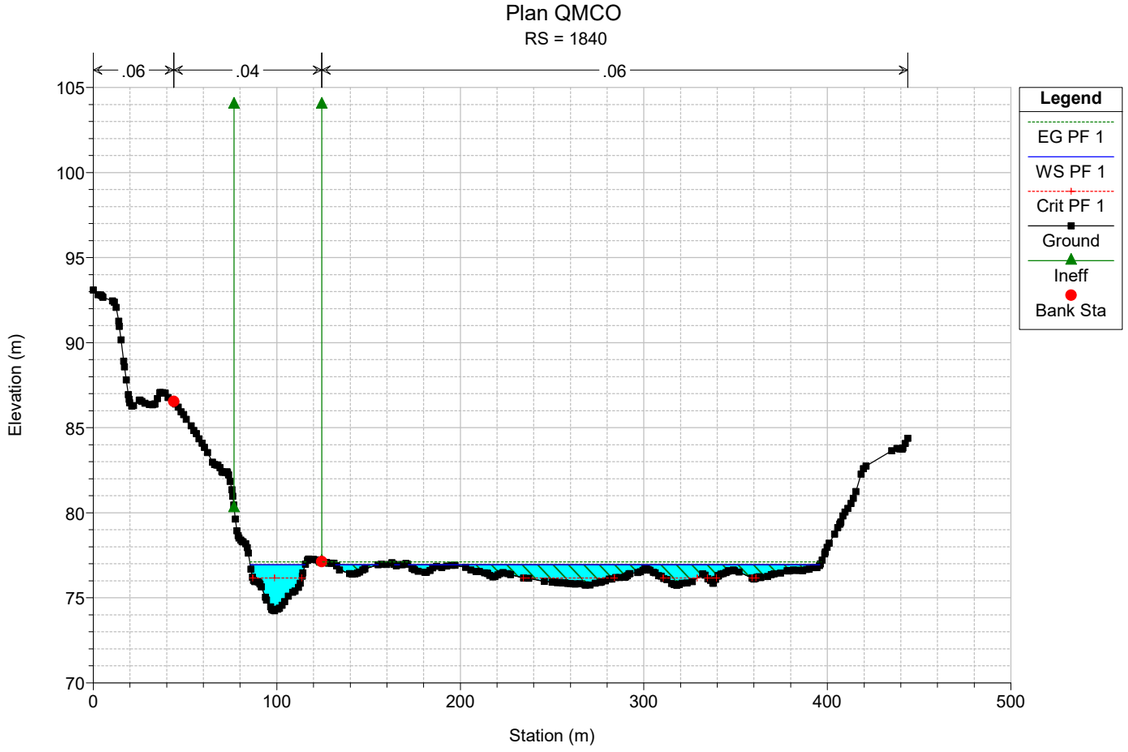

Plan QMCO
RS = 2031
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

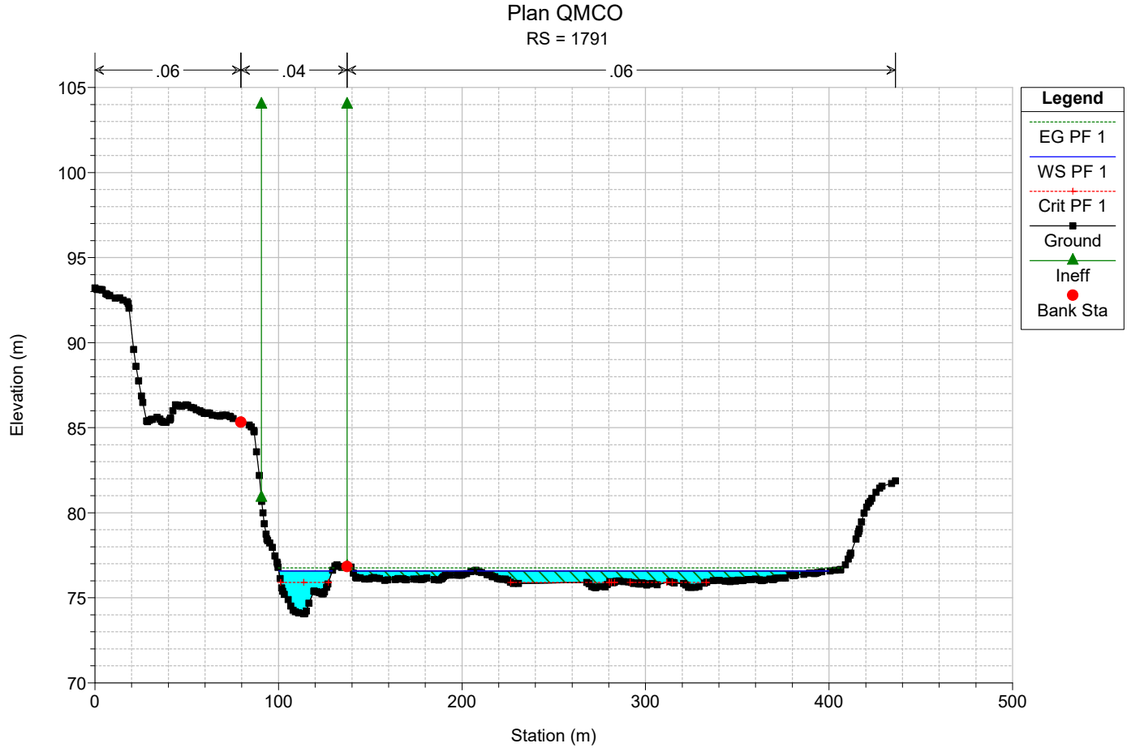

Plan QMCO
RS = 1986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

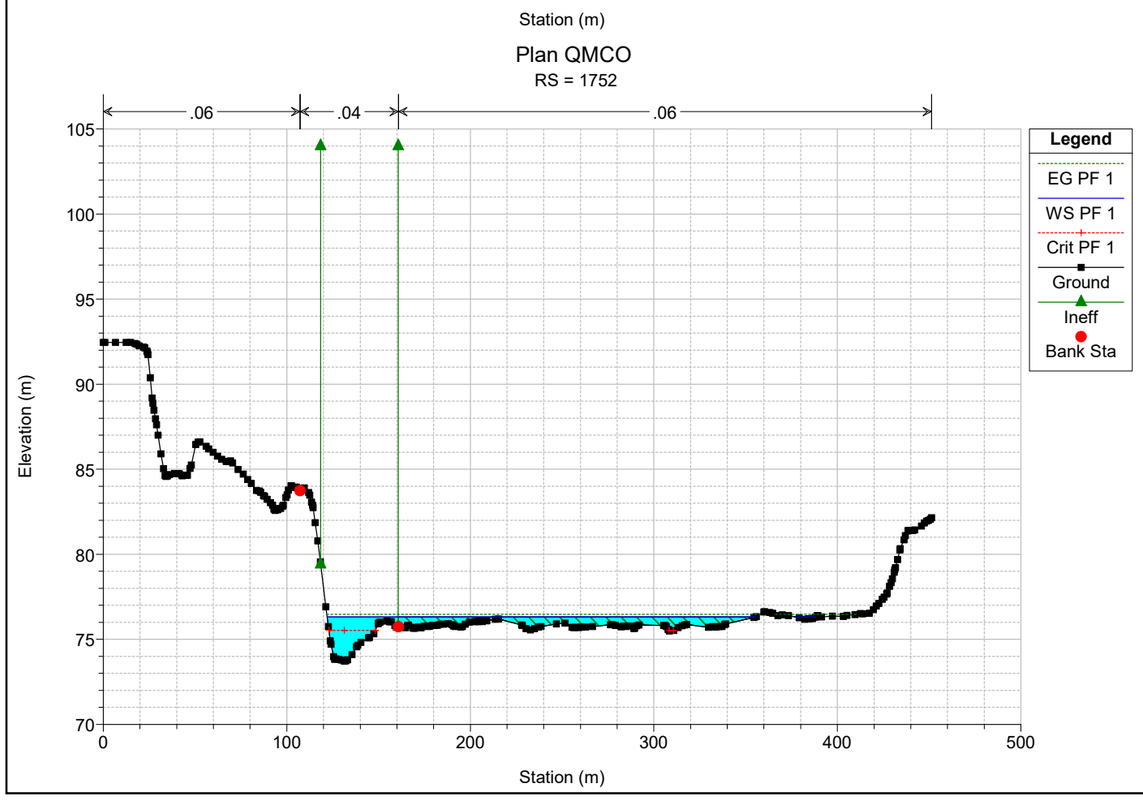

Plan QMCO
RS = 1945
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

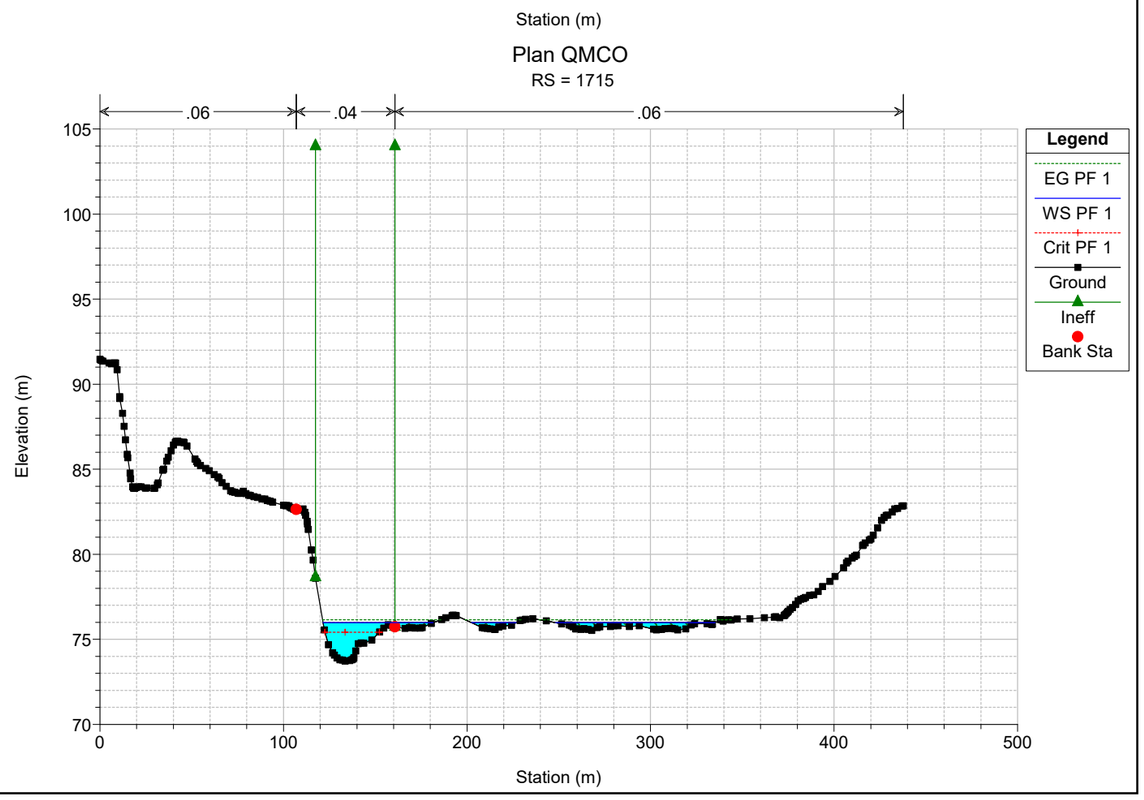

Plan QMCO
RS = 1912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

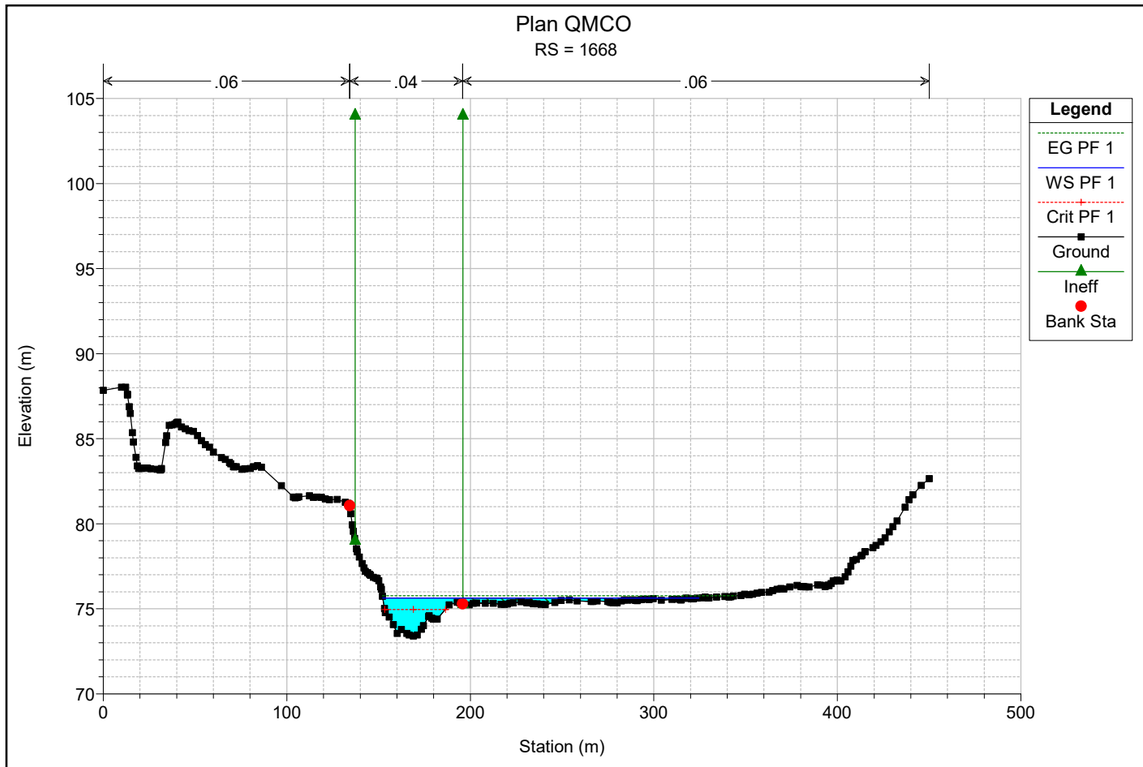

Plan QMCO
RS = 1877
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

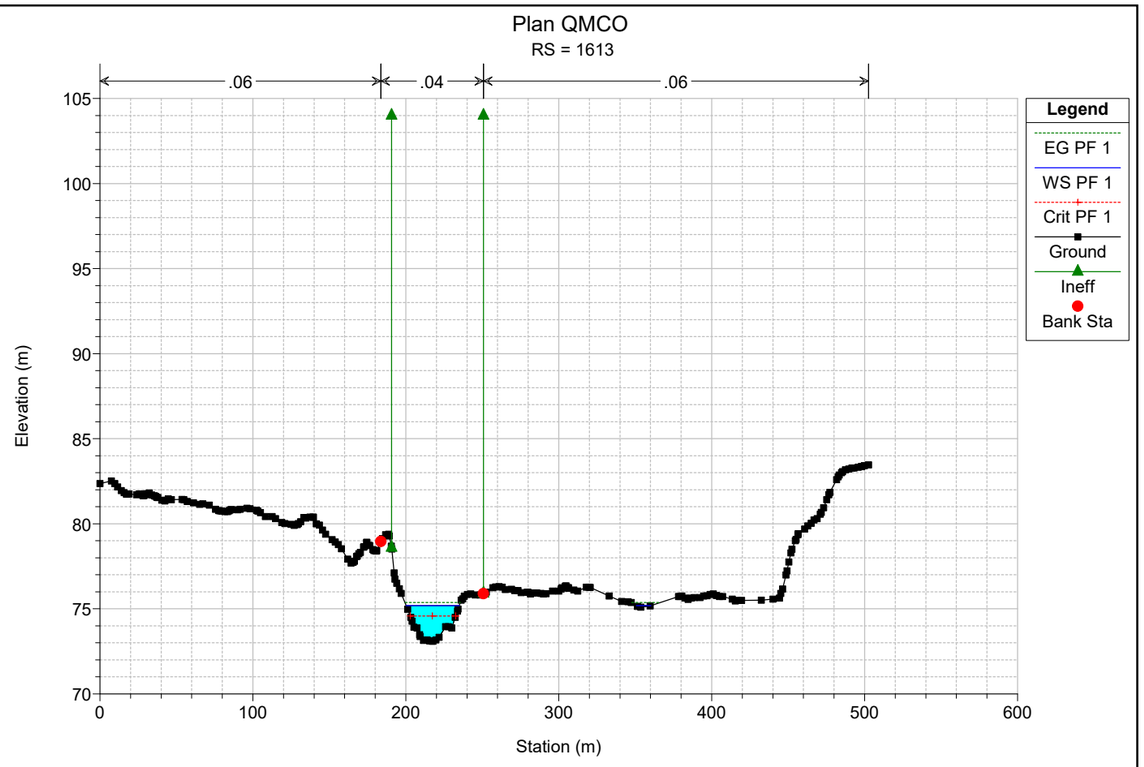

Plan QMCO
RS = 1840
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

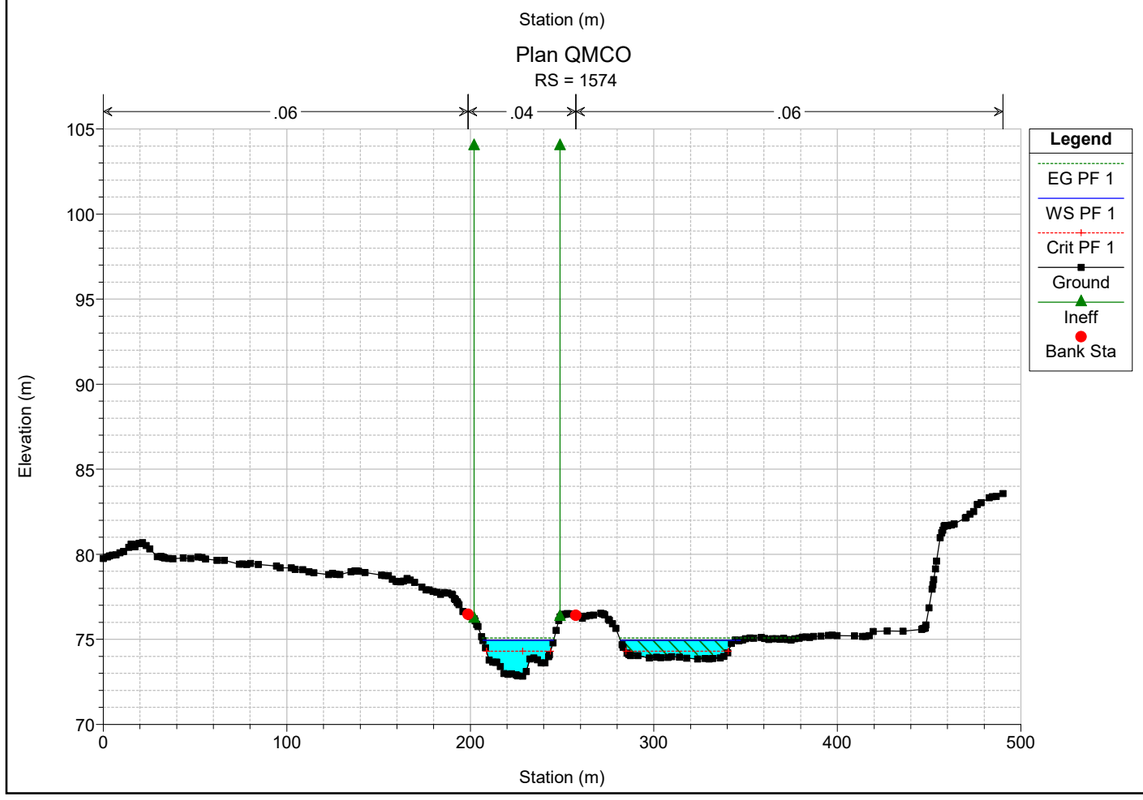

Plan QMCO
RS = 1791
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

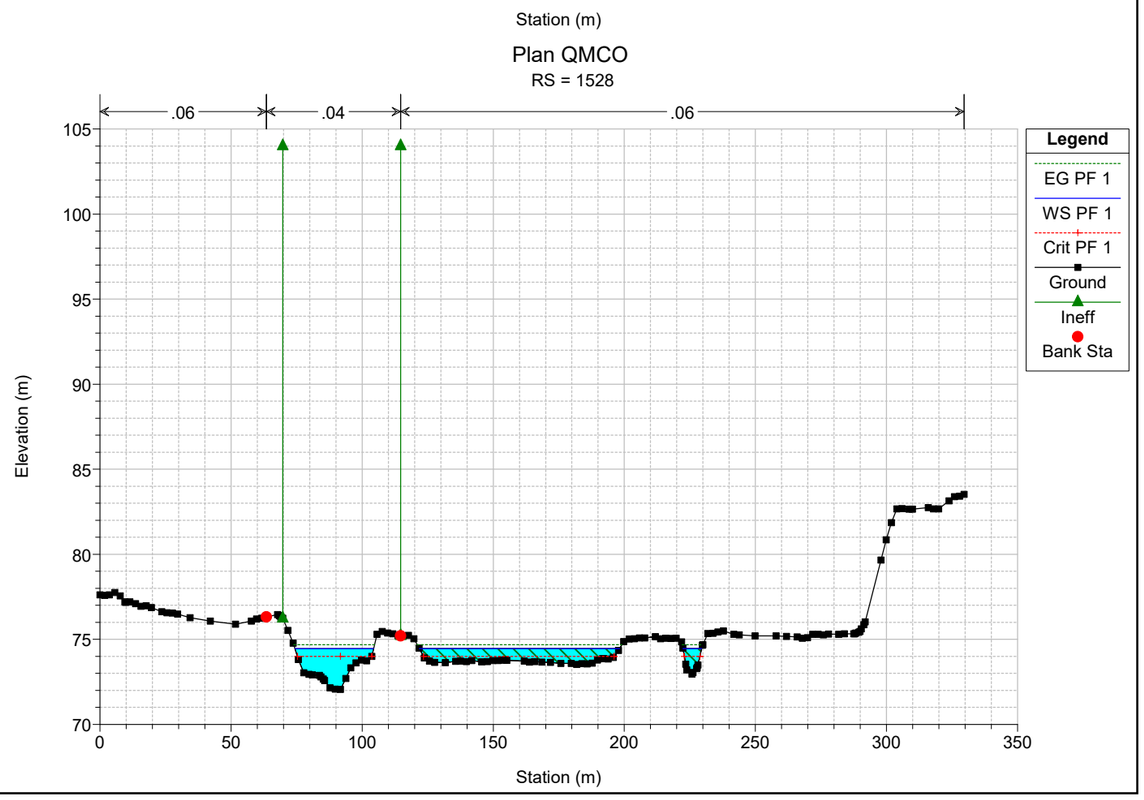

Plan QMCO
RS = 1752
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

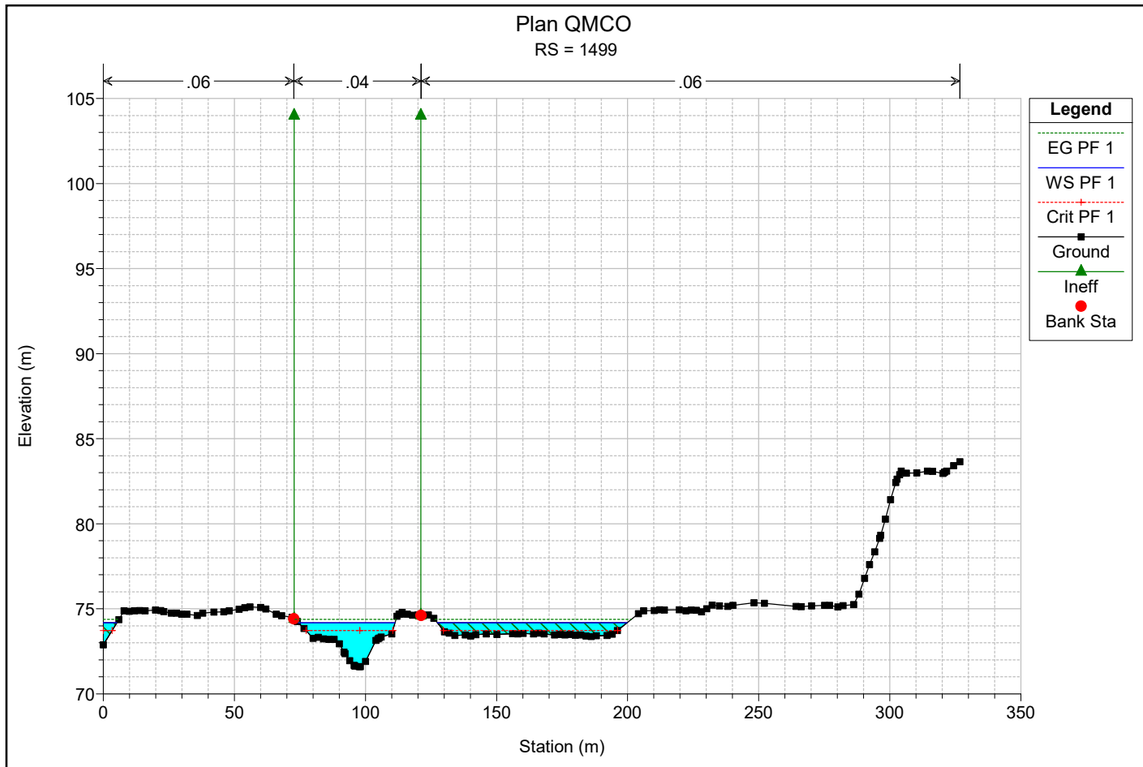

Plan QMCO
RS = 1715
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

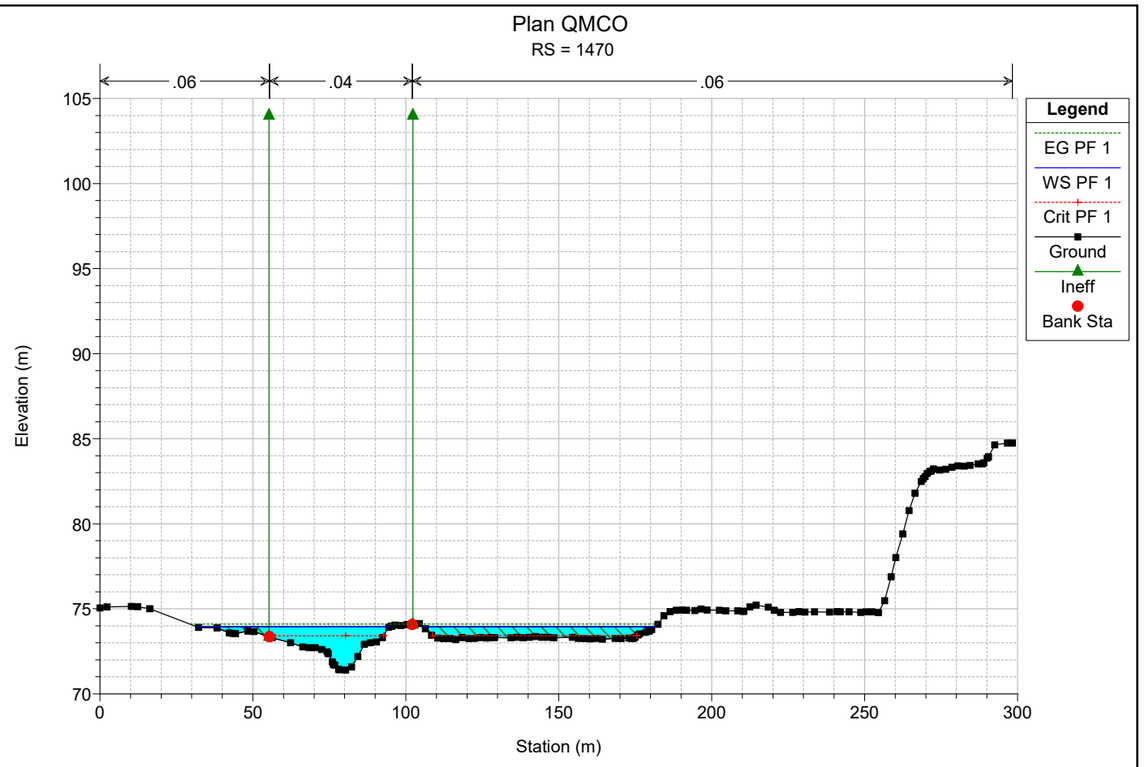

Plan QMCO
RS = 1668
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

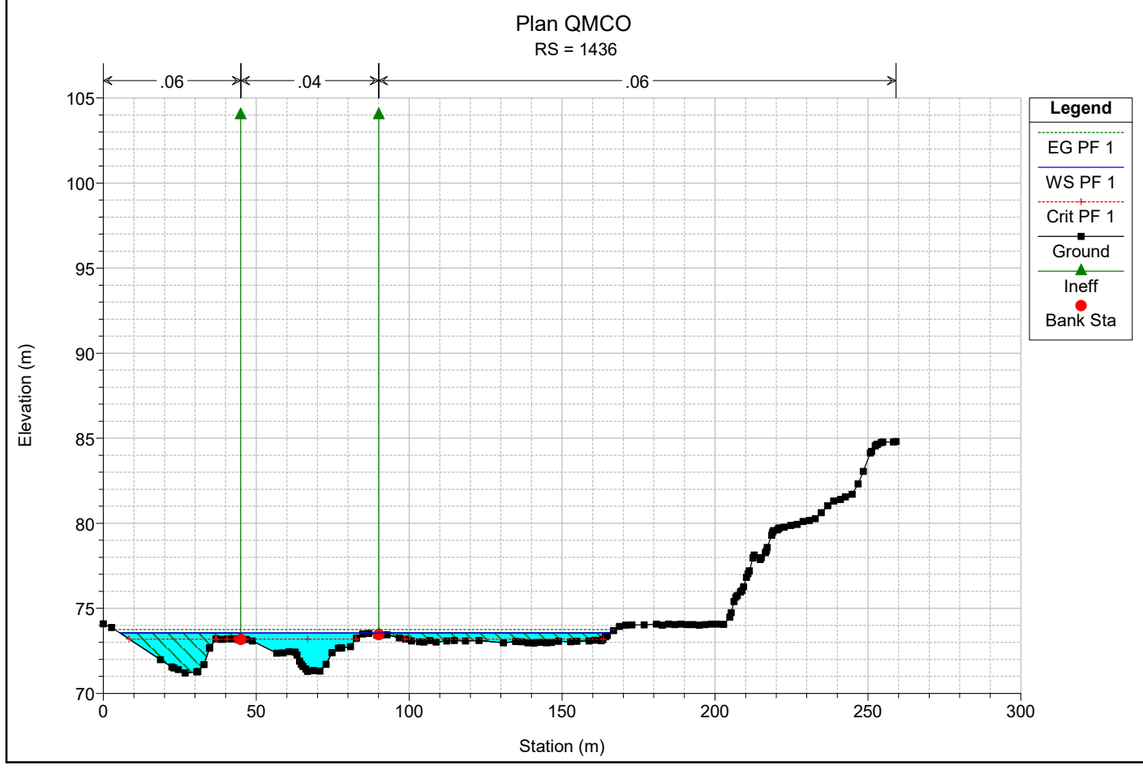

Plan QMCO
RS = 1613
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

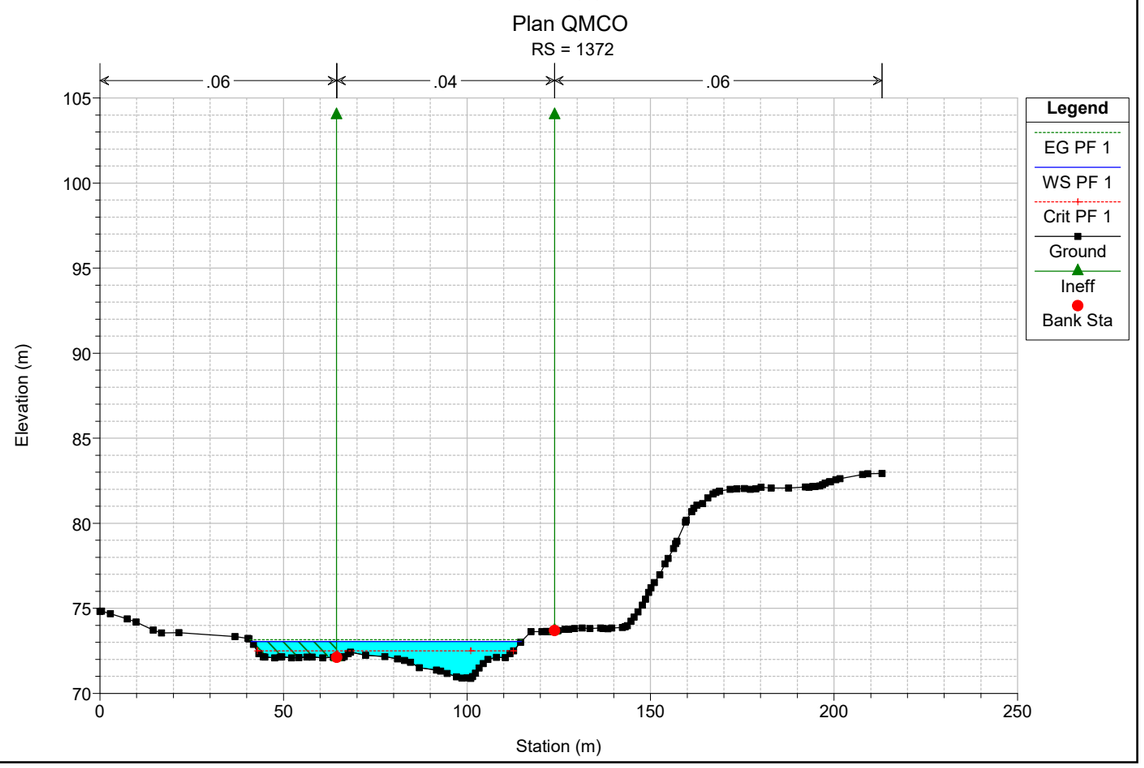

Plan QMCO
RS = 1574
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

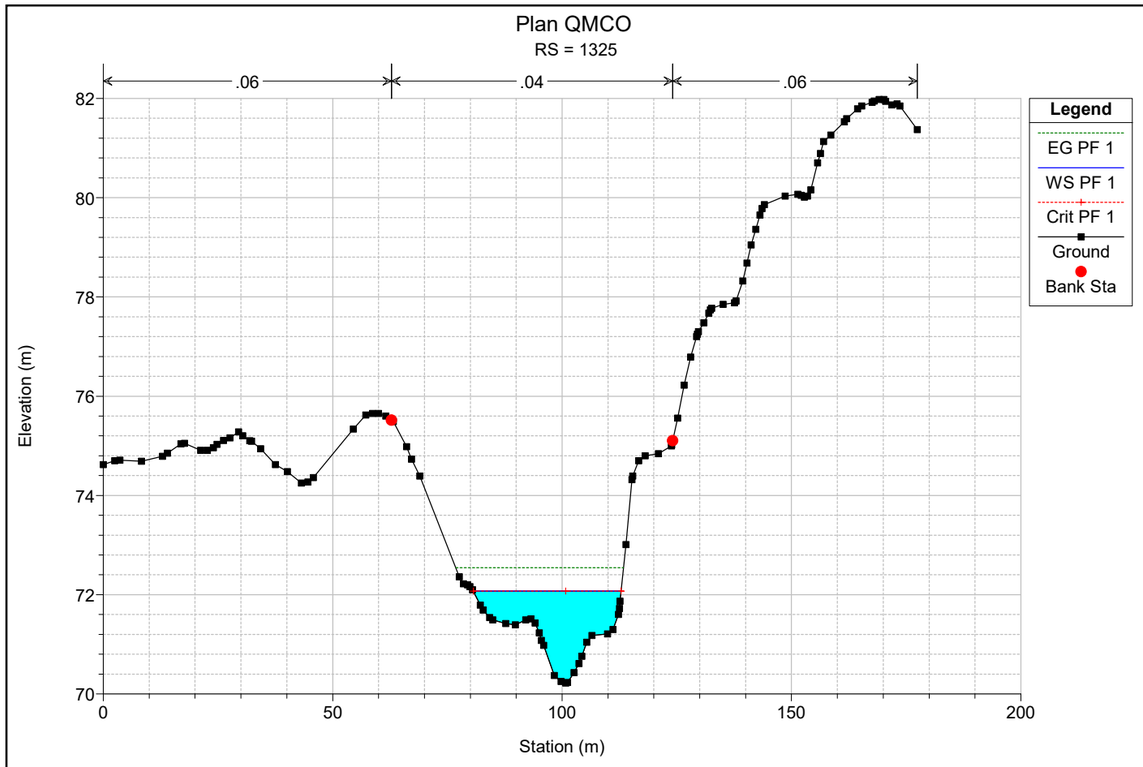

Plan QMCO
RS = 1528
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

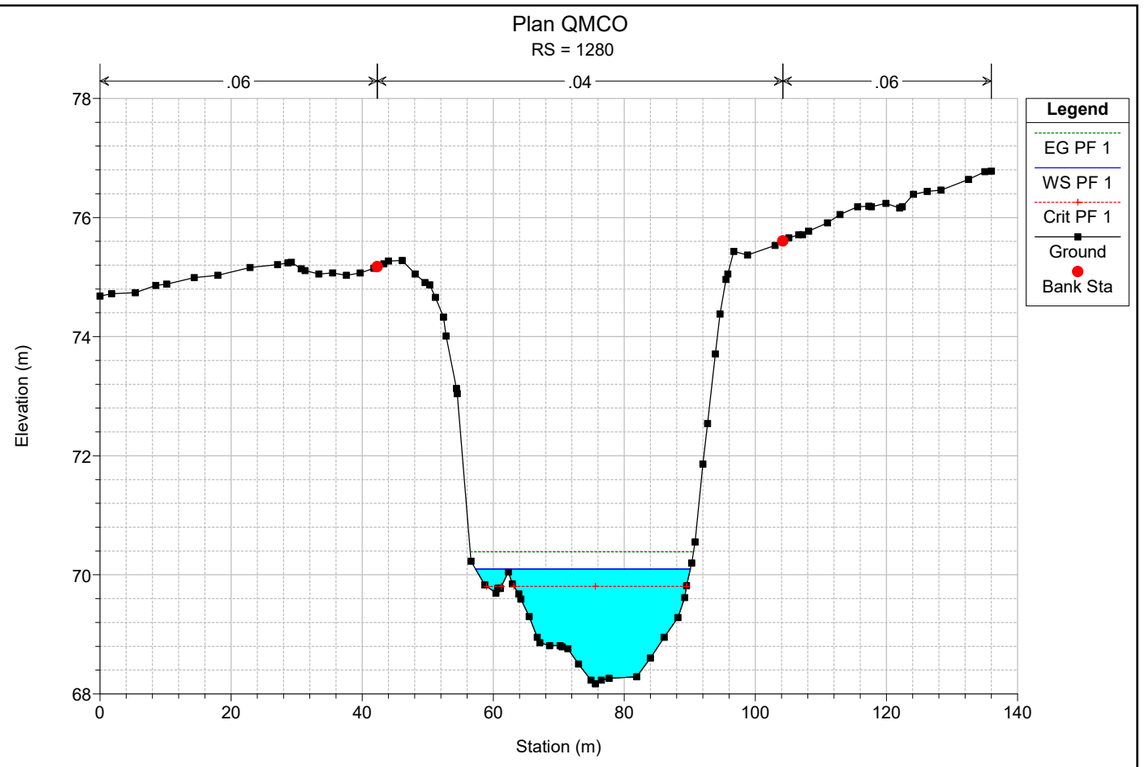

Plan QMCO
RS = 1499
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

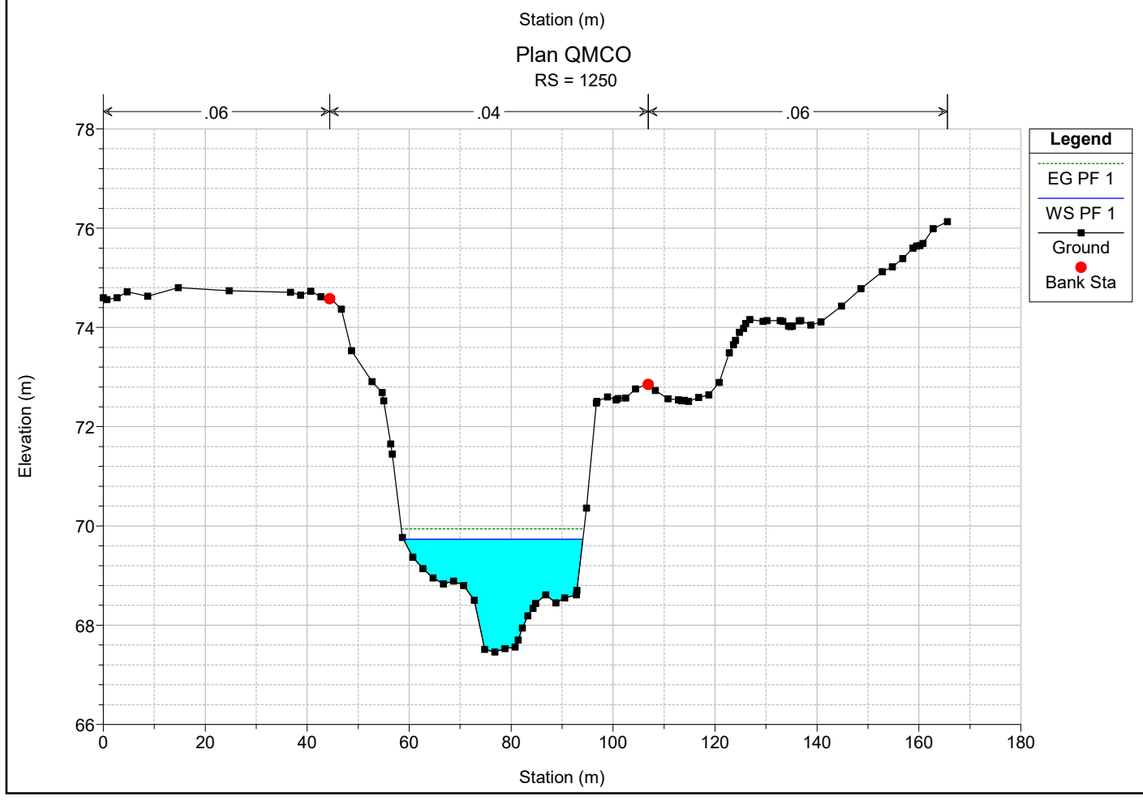

Plan QMCO
RS = 1470
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

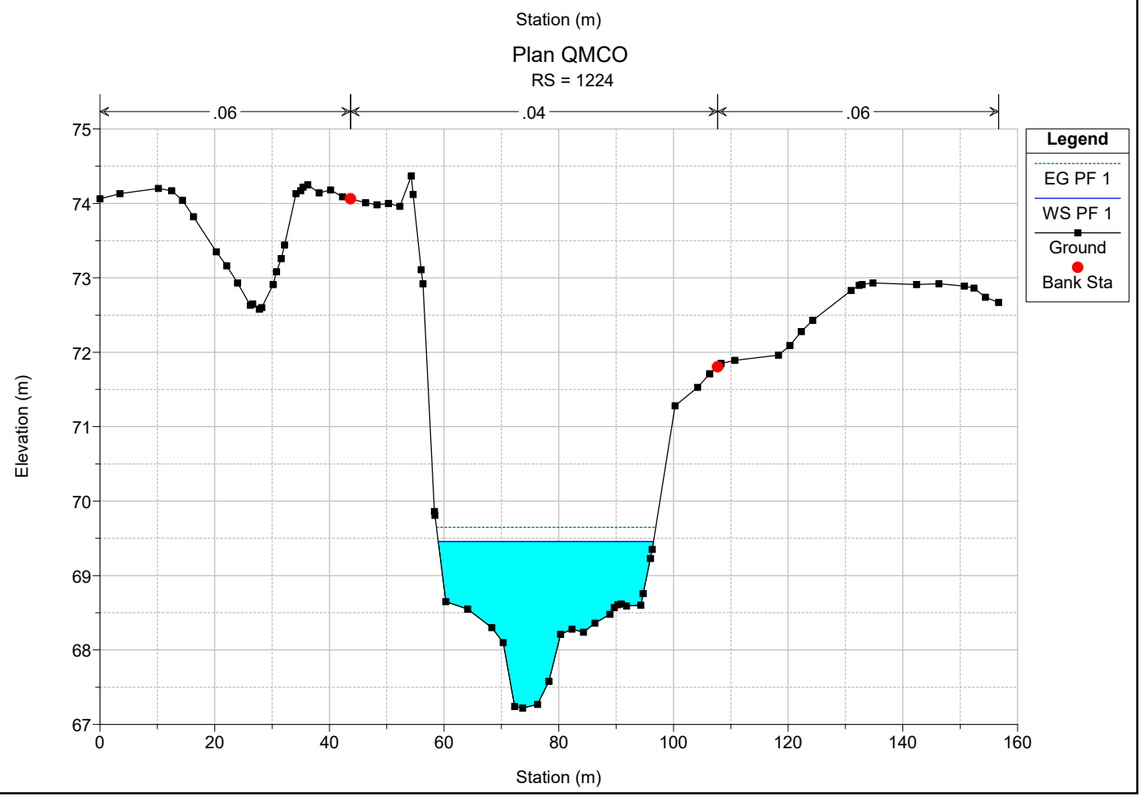

Plan QMCO
RS = 1436
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

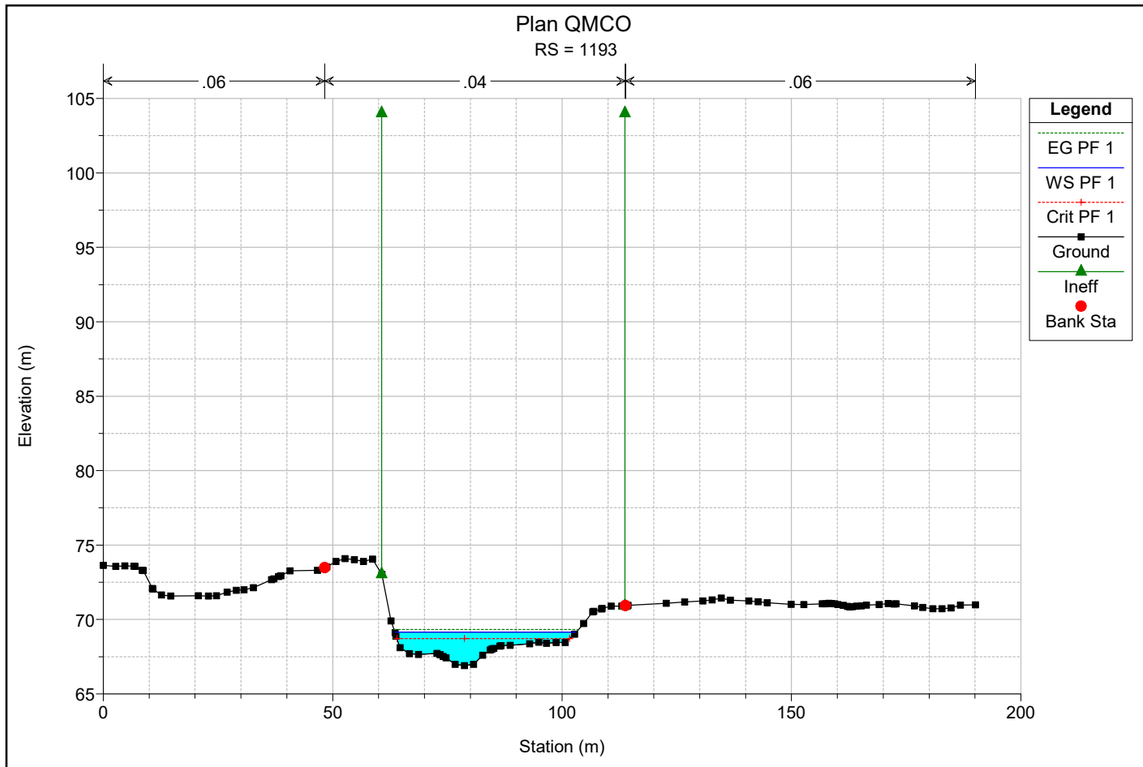

Plan QMCO
RS = 1372
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

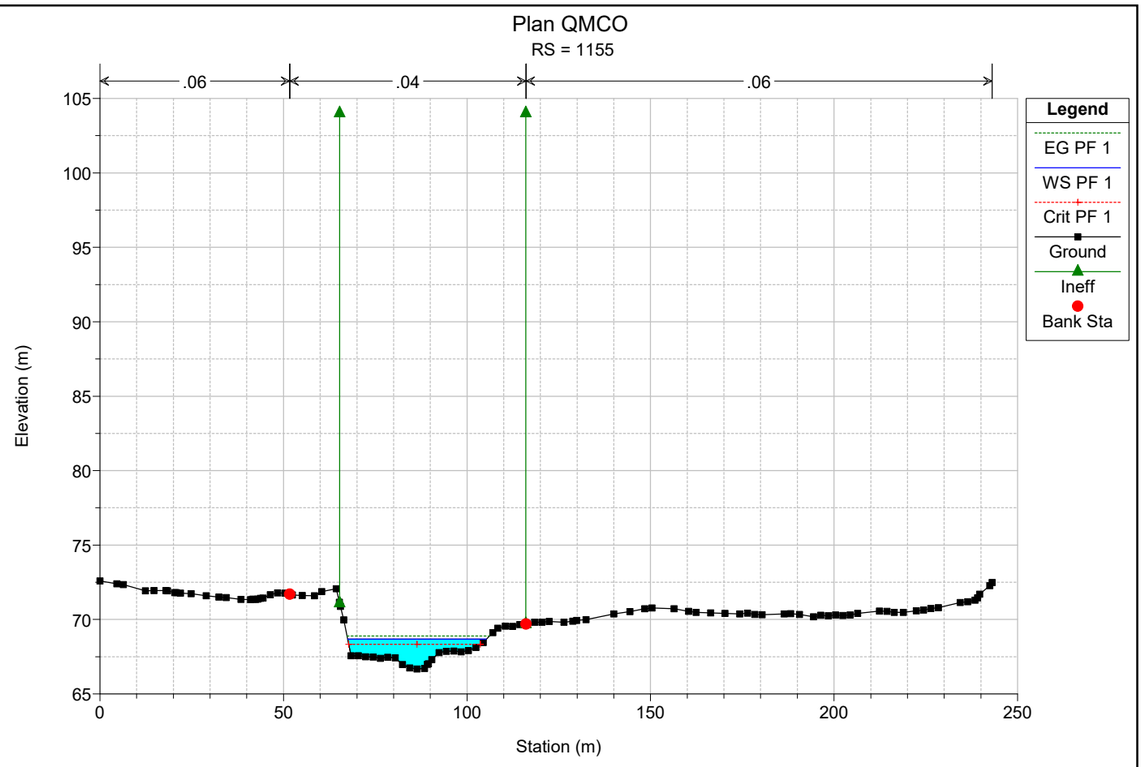

Plan QMCO
RS = 1325
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

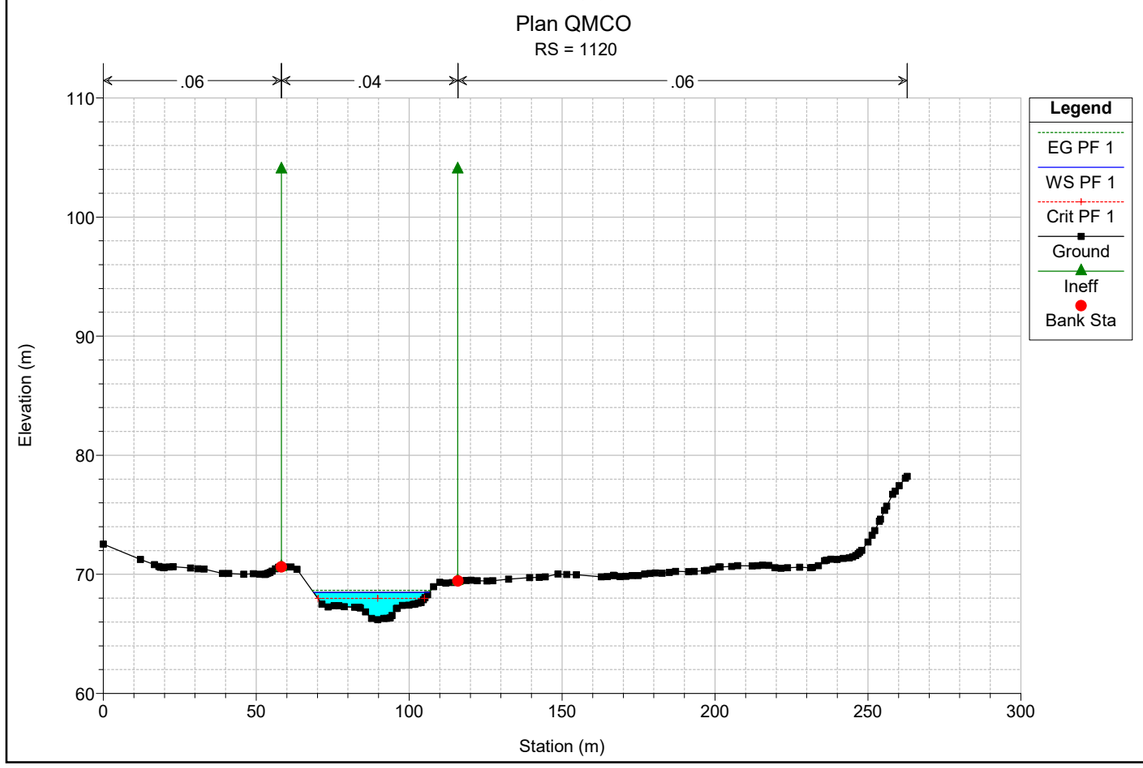

Plan QMCO
RS = 1280
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

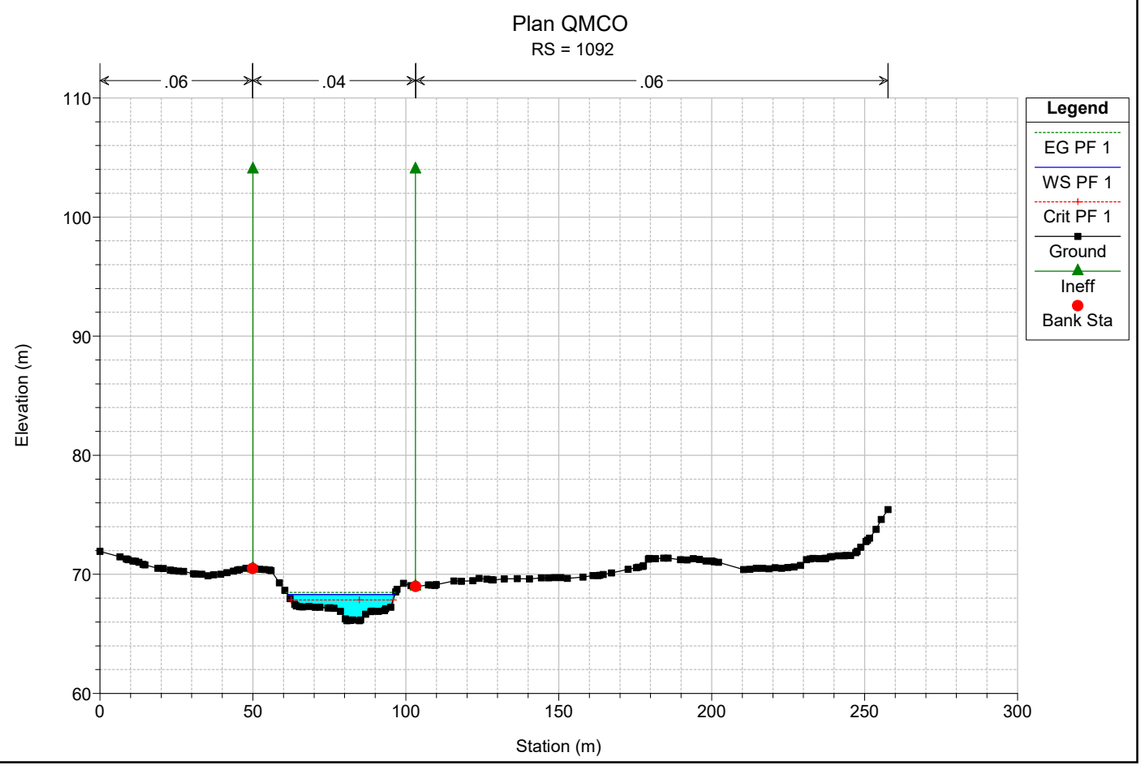

Plan QMCO
RS = 1250
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

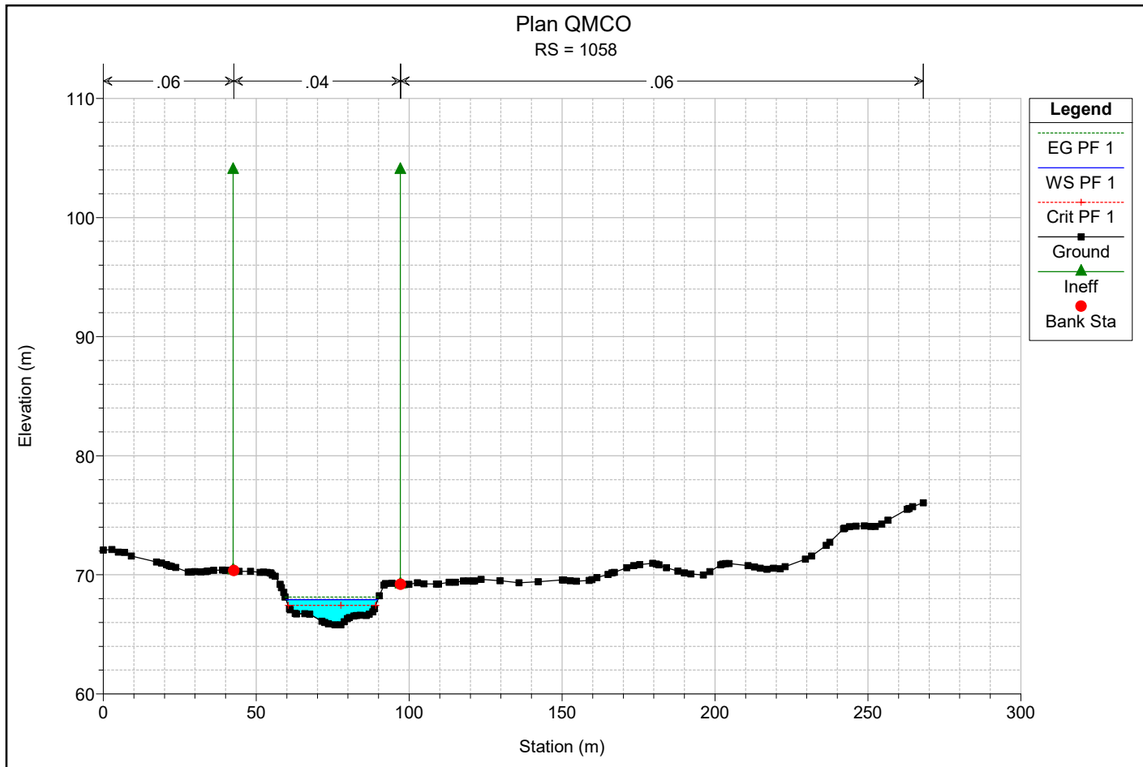

Plan QMCO
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

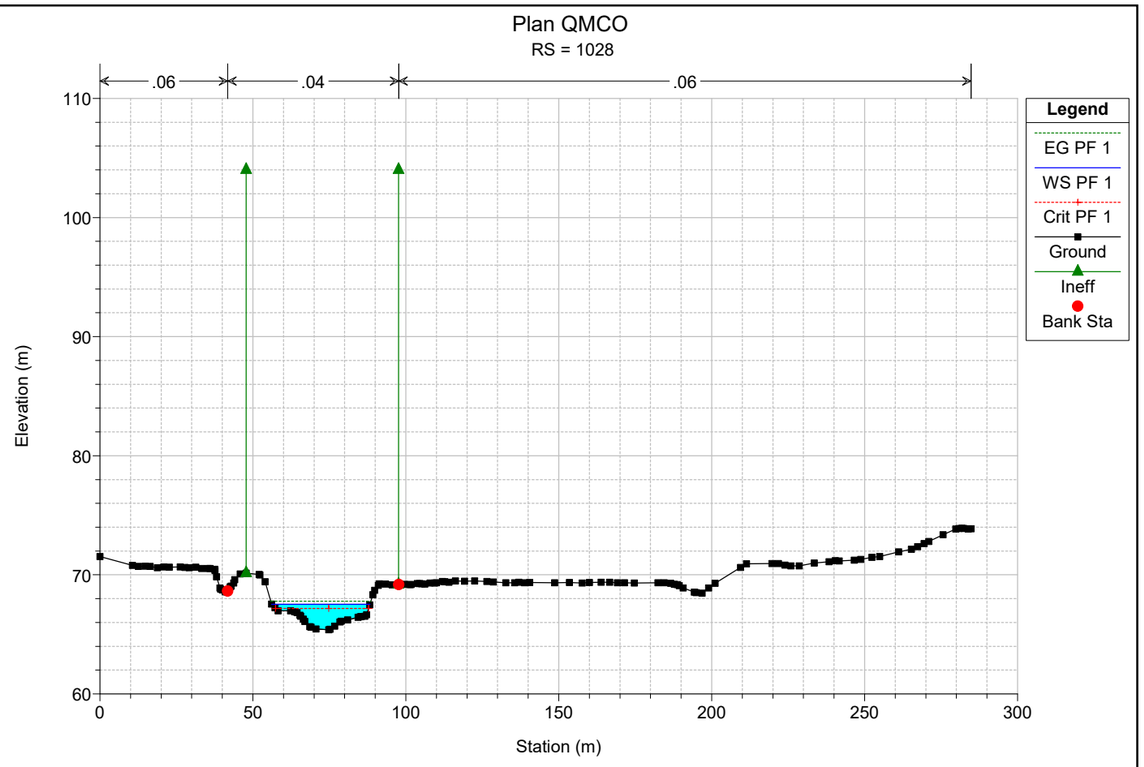

Plan QMCO
RS = 1193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

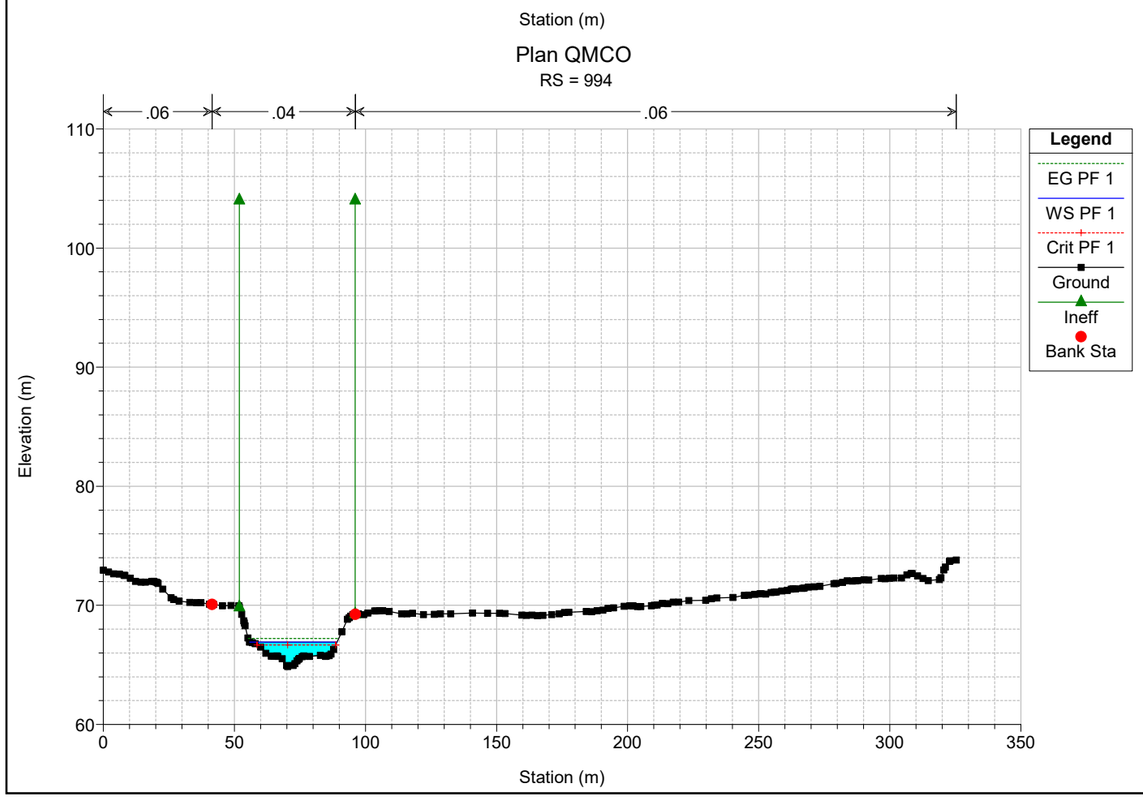

Plan QMCO
RS = 1155
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

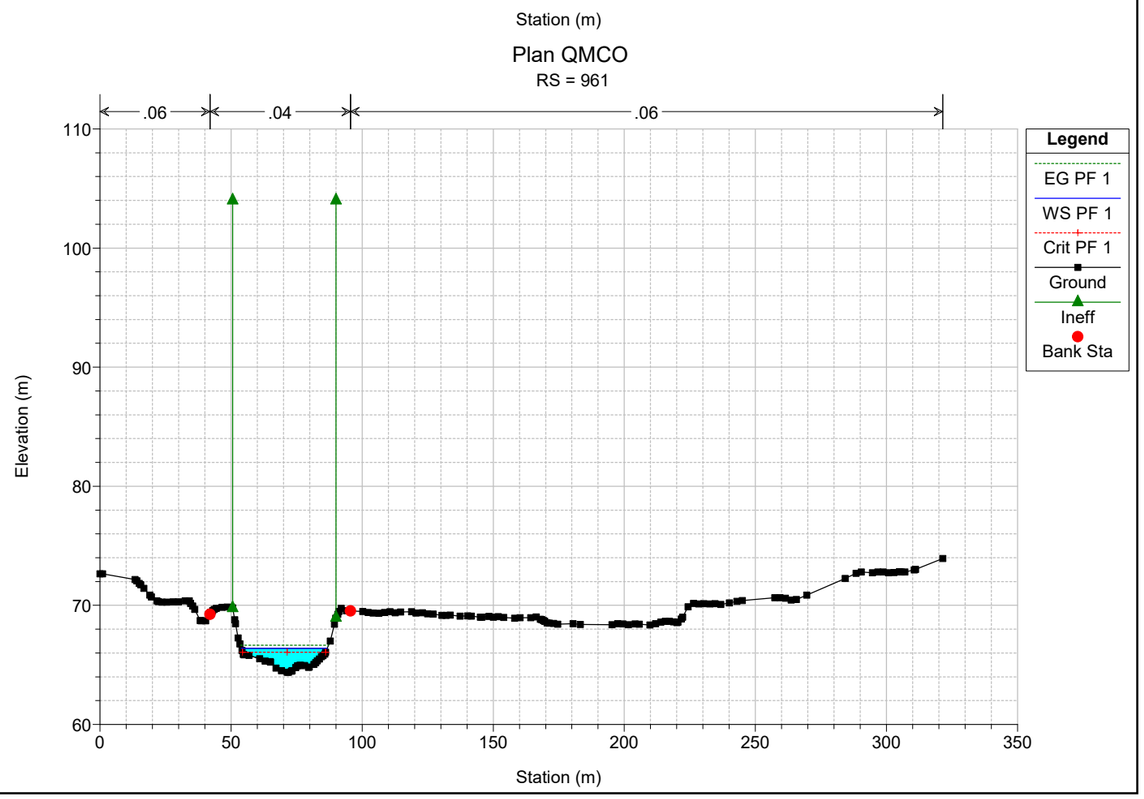

Plan QMCO
RS = 1120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

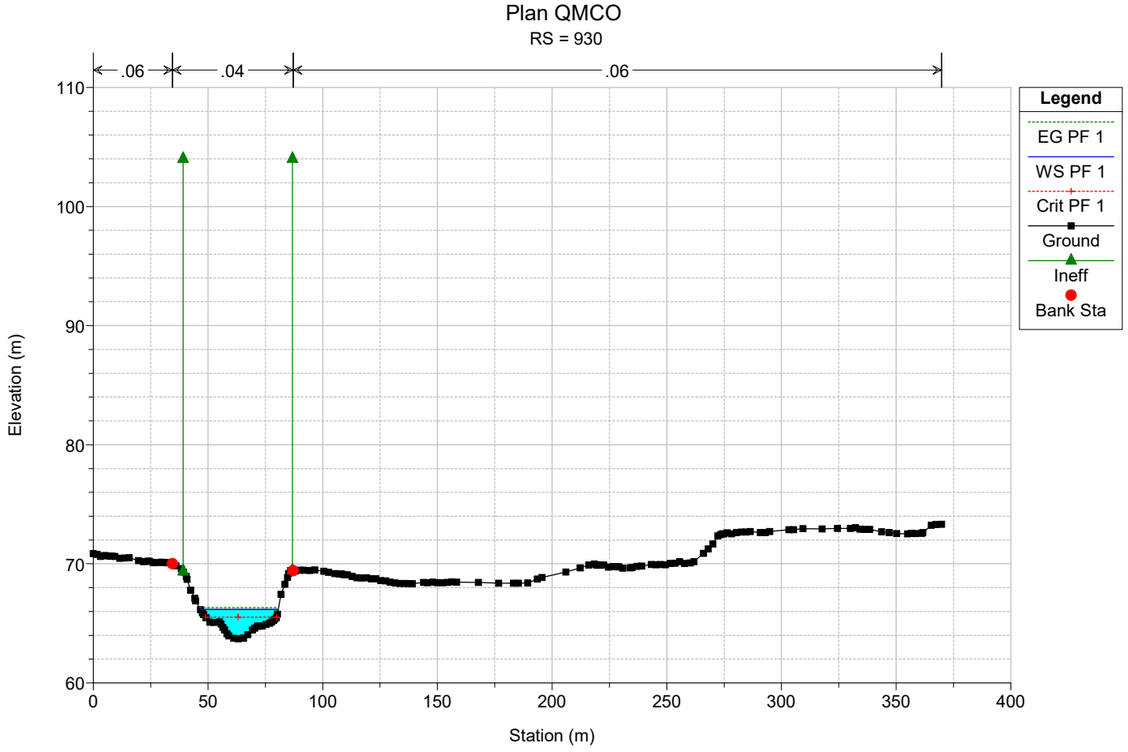

Plan QMCO
RS = 1092
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

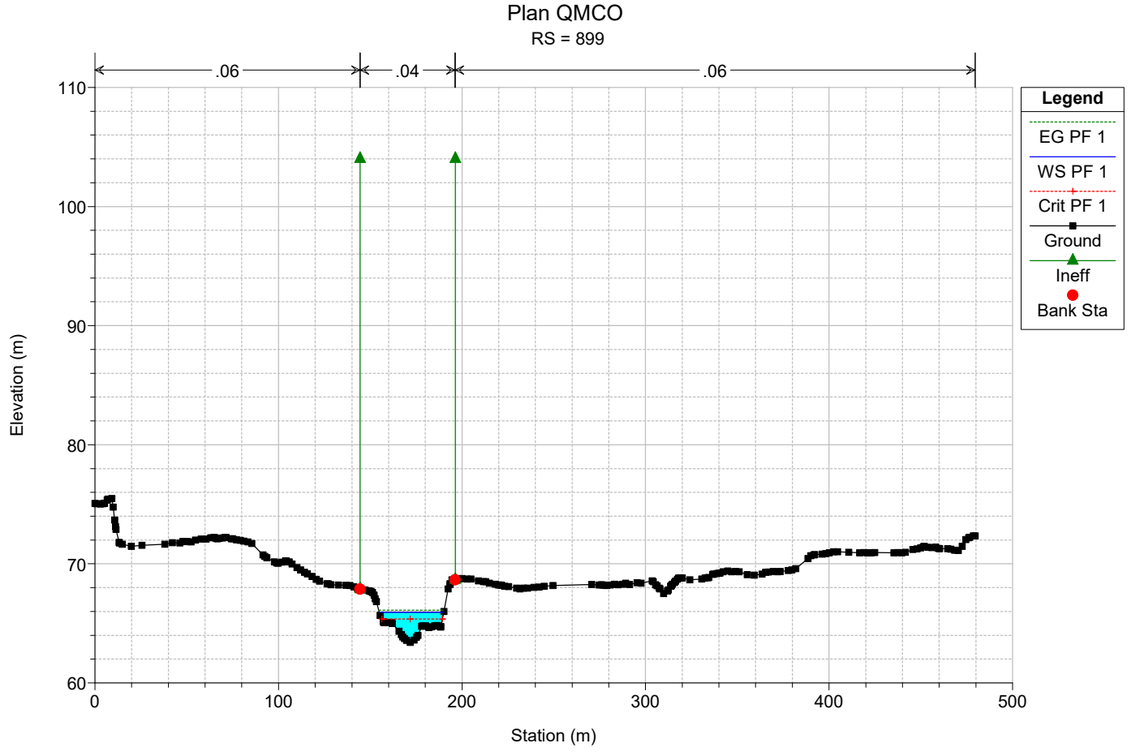

Plan QMCO
RS = 1058
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

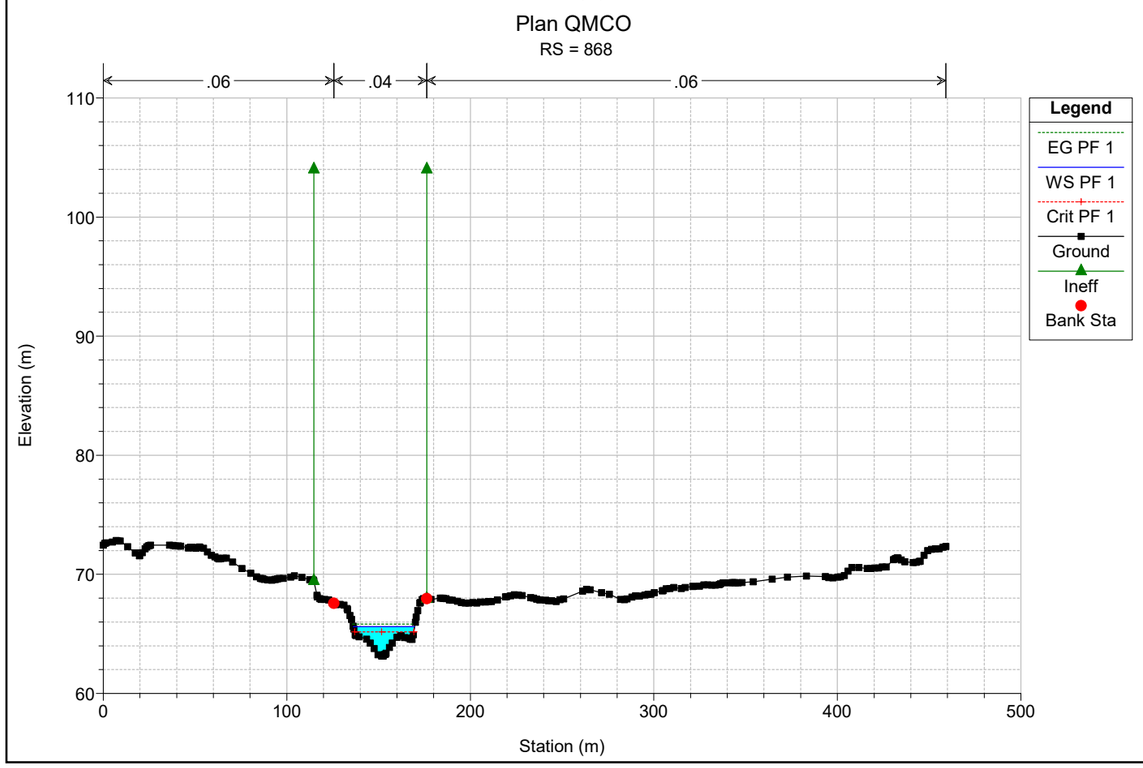

Plan QMCO
RS = 1028
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

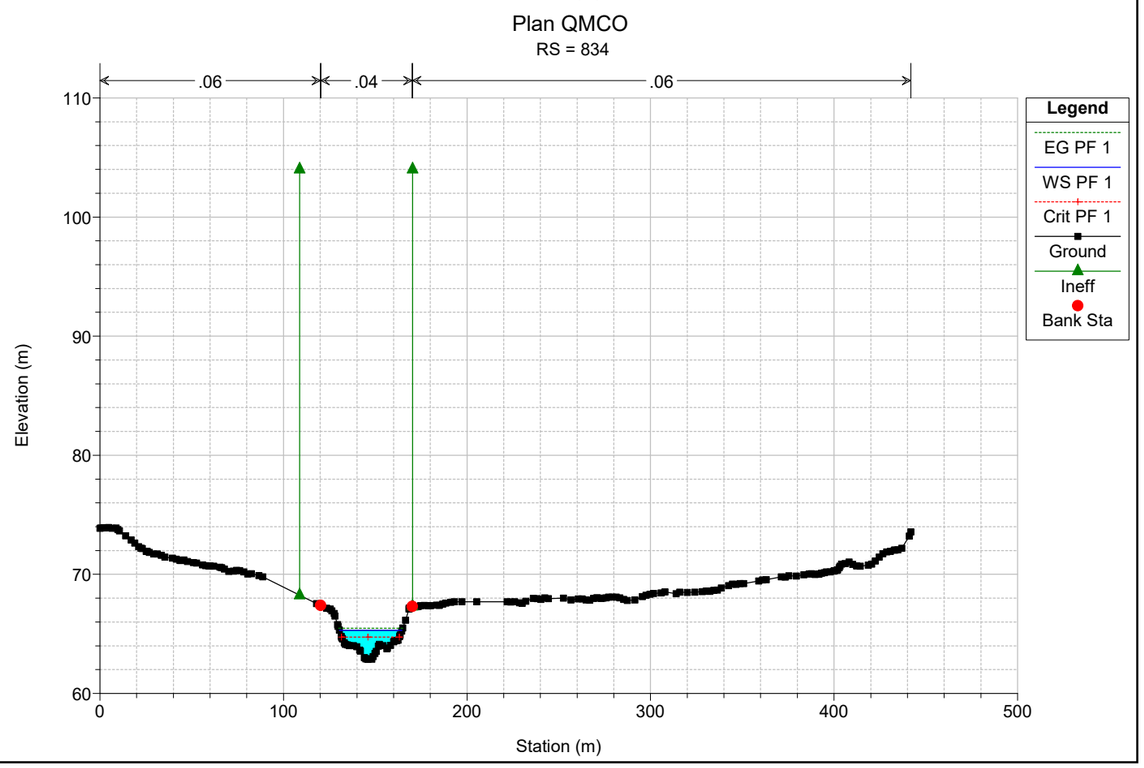

Plan QMCO
RS = 994
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

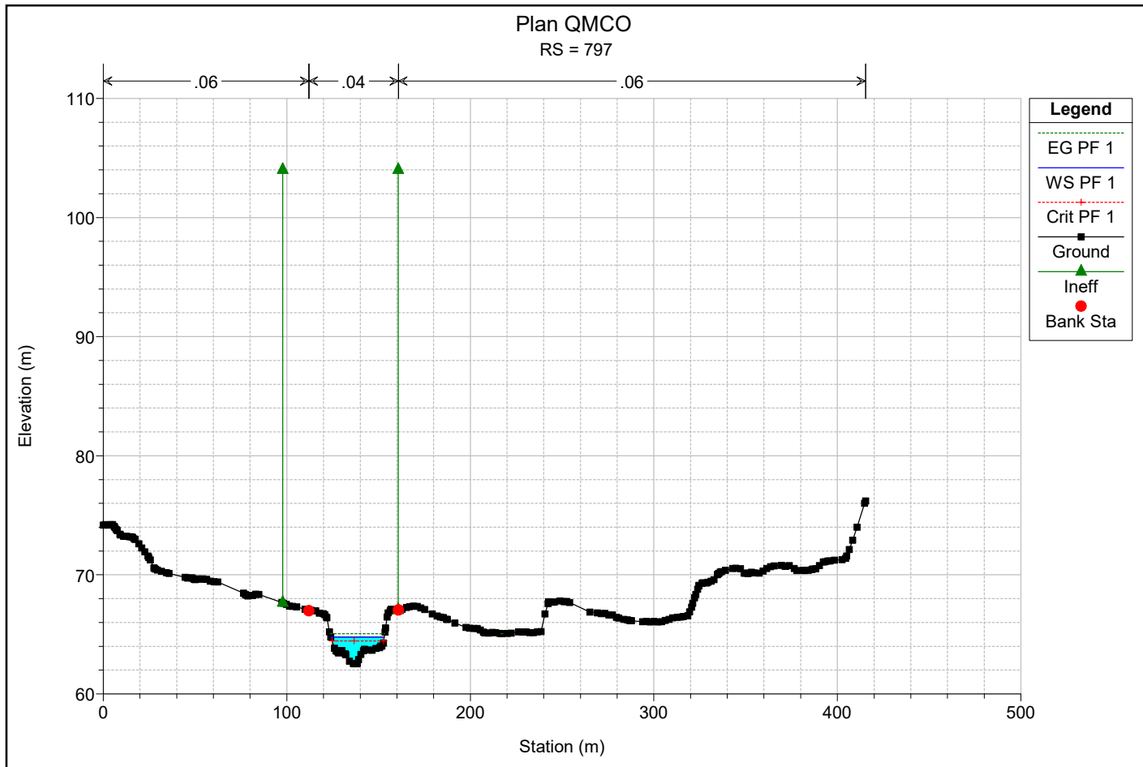

Plan QMCO
RS = 961
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

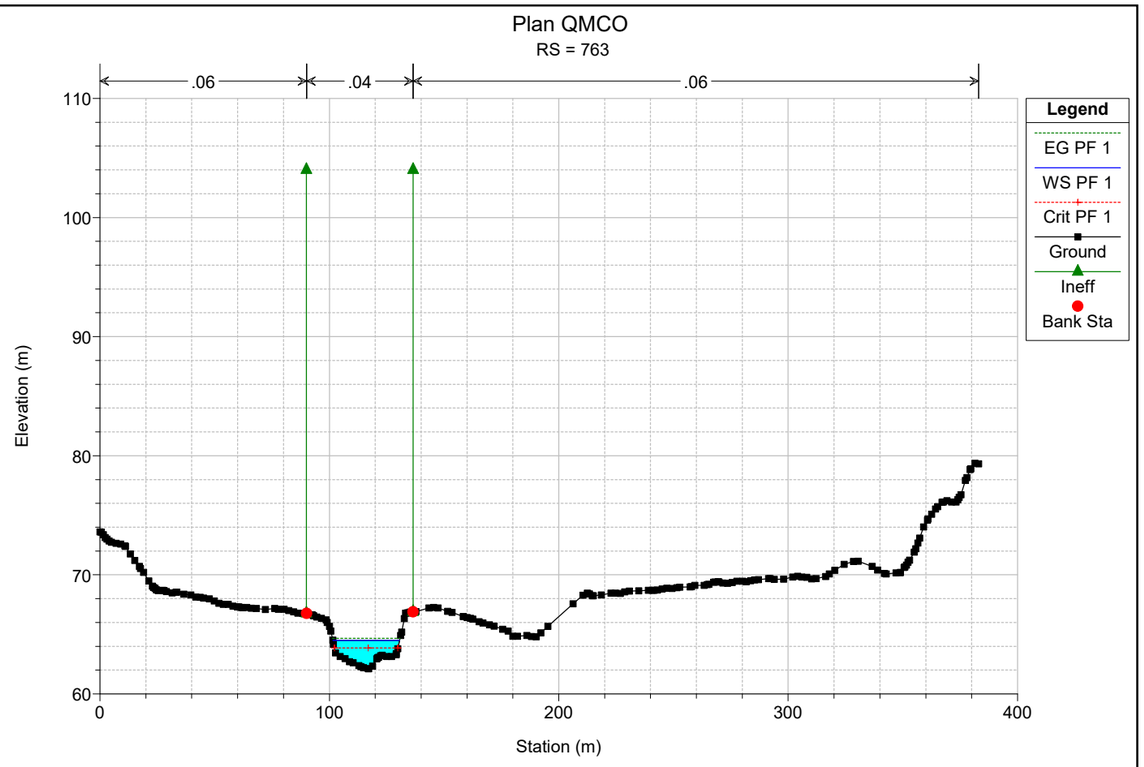

Plan QMCO
RS = 930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

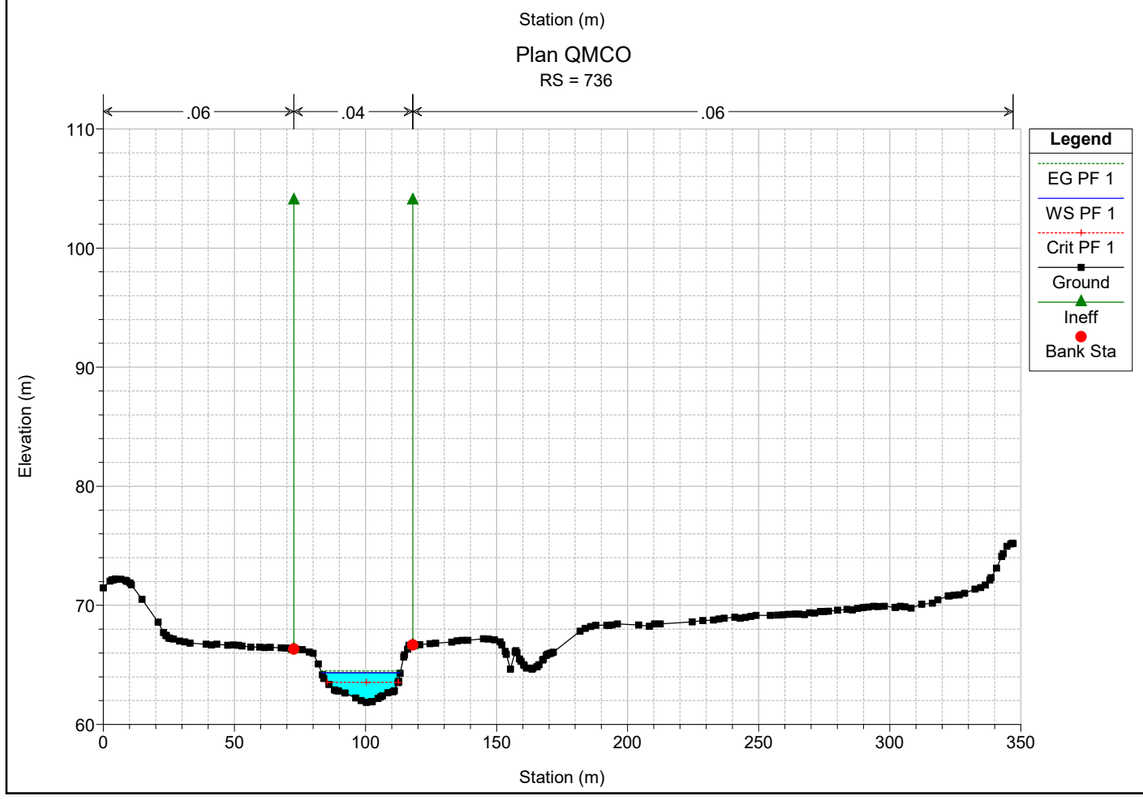

Plan QMCO
RS = 899
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

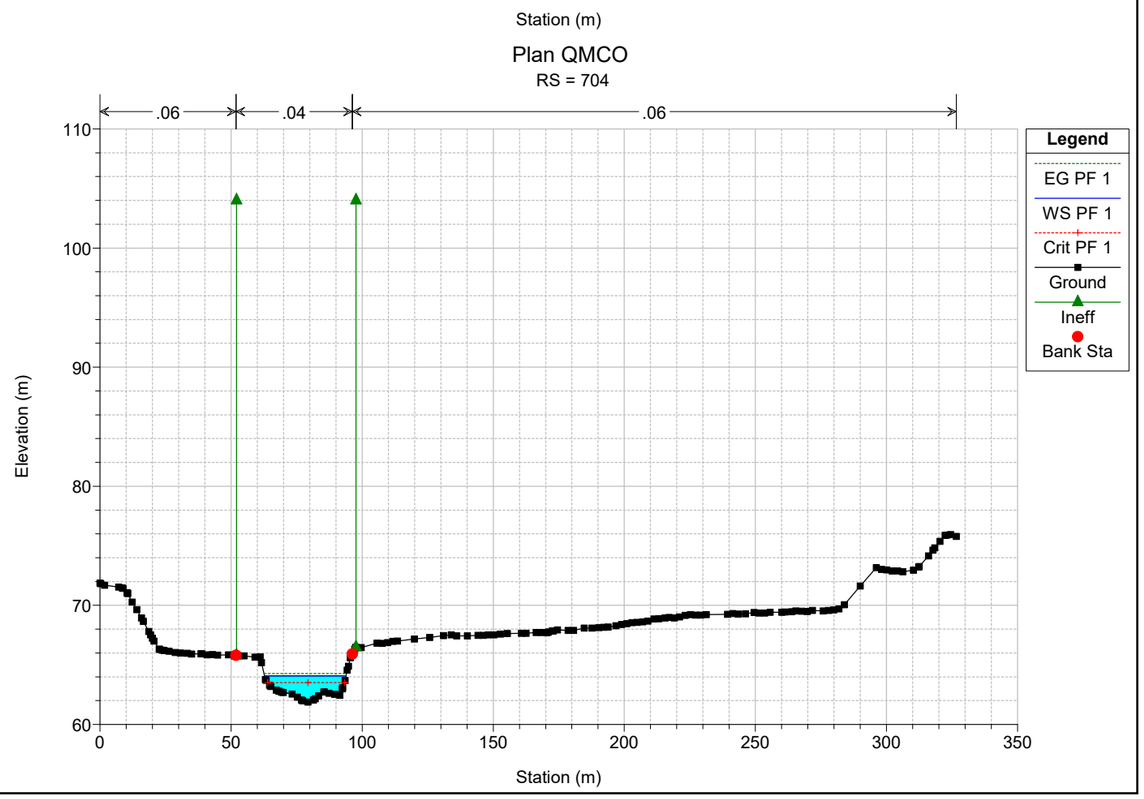

Plan QMCO
RS = 868
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

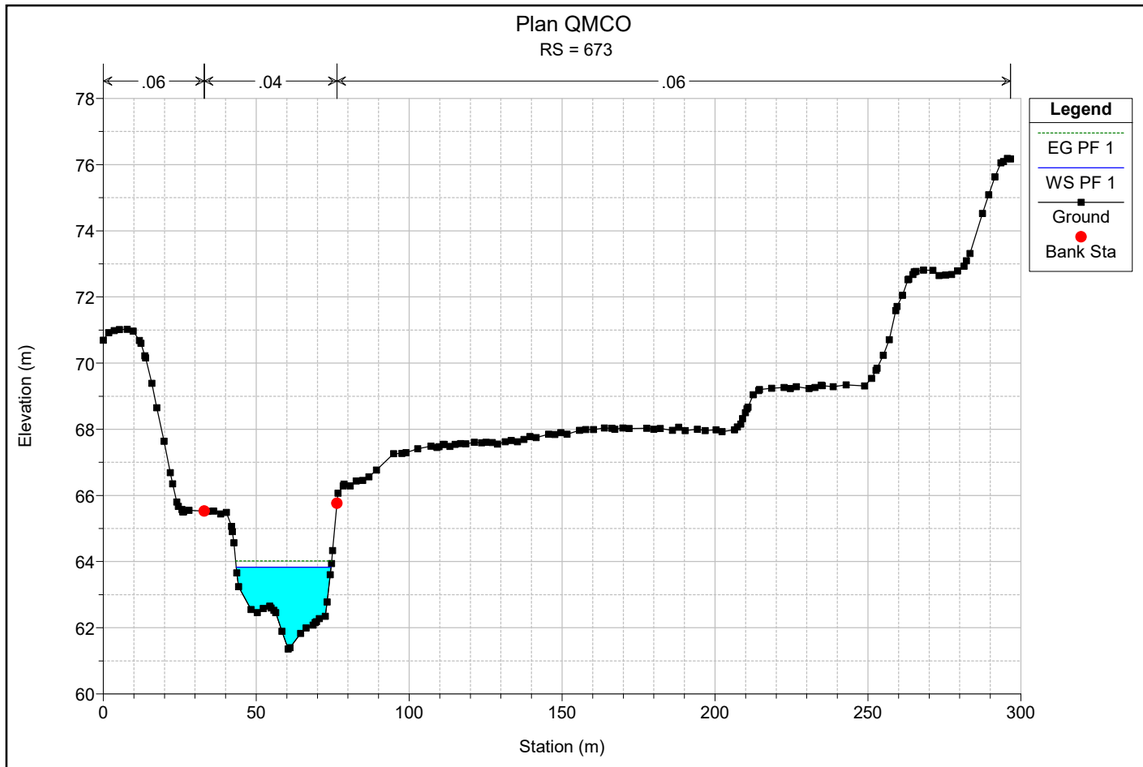

Plan QMCO
RS = 834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

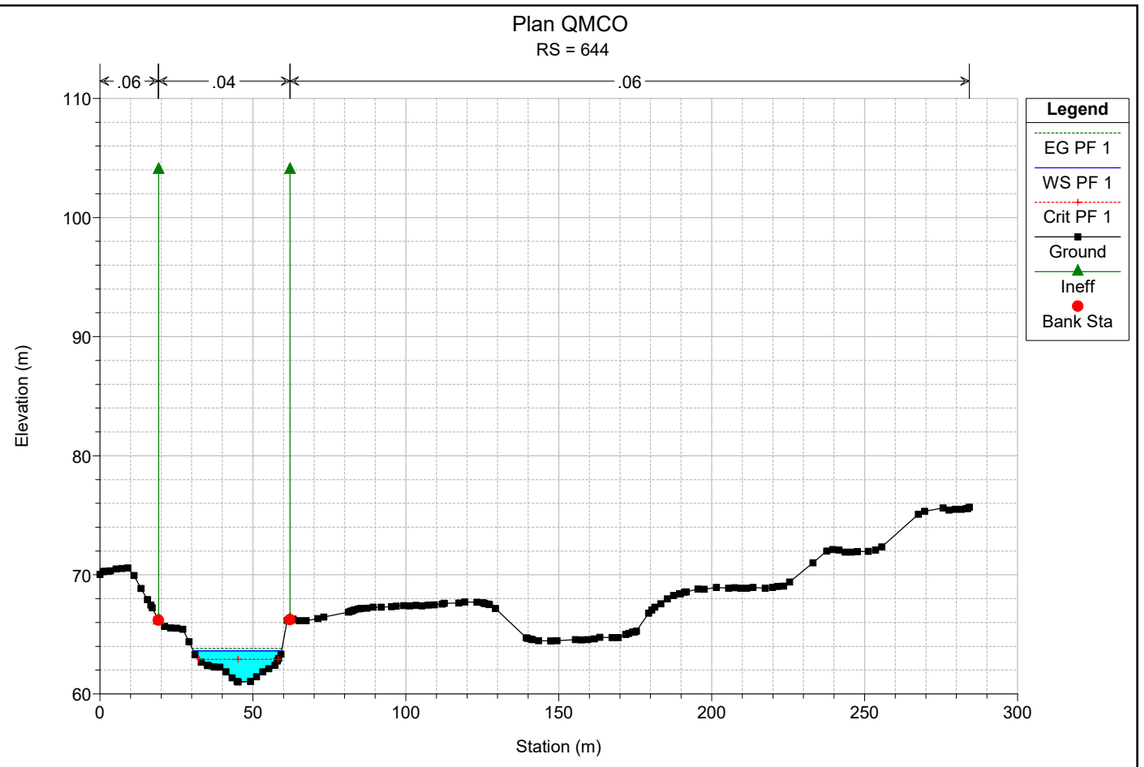

Plan QMCO
RS = 797
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500

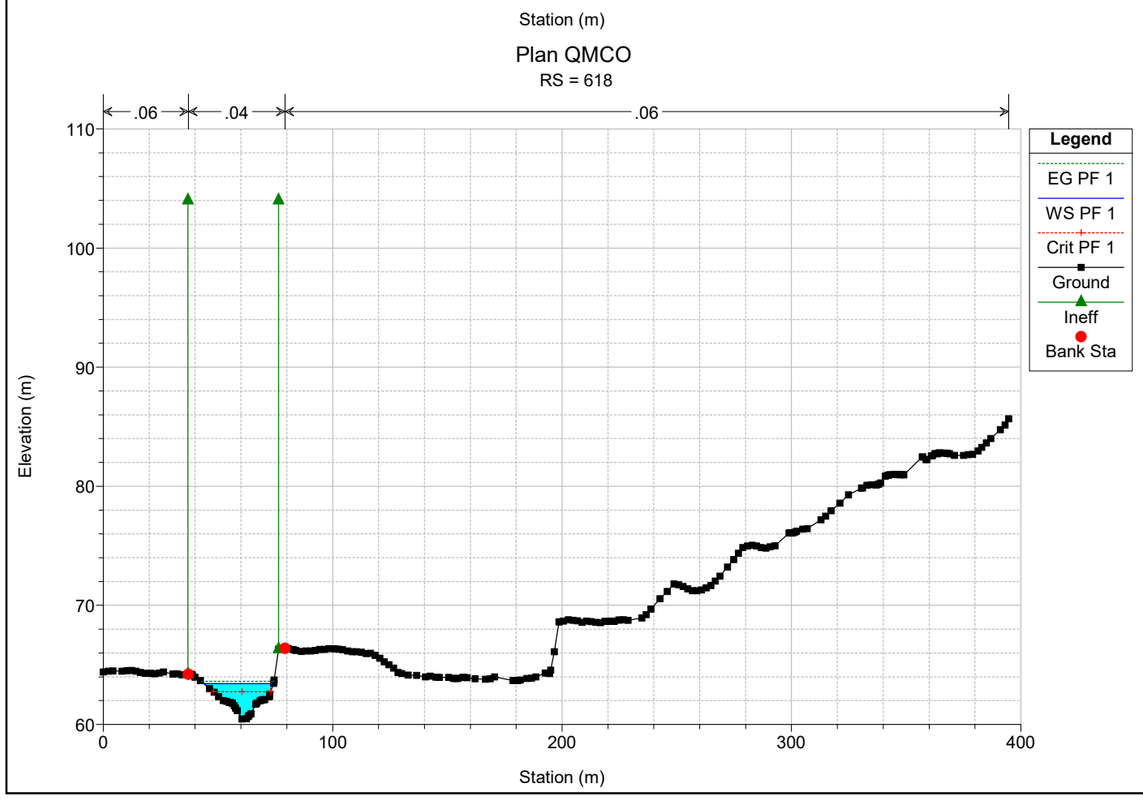

Plan QMCO
RS = 763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

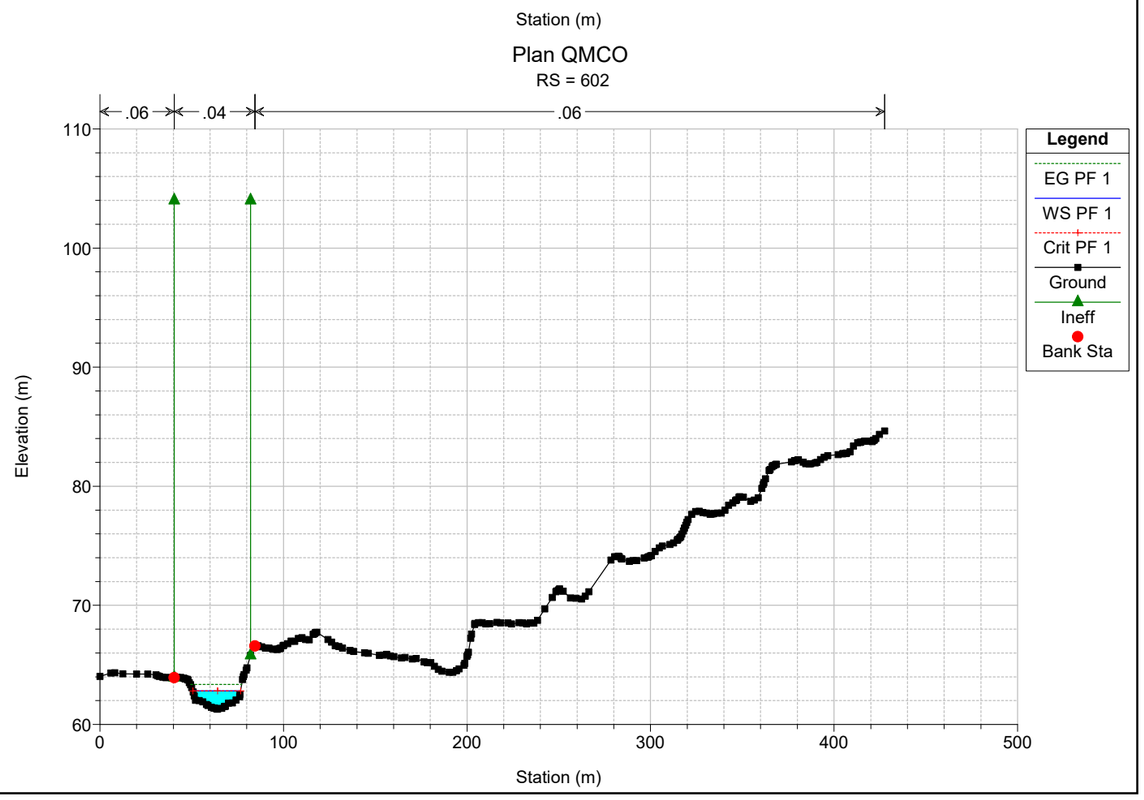

Plan QMCO
RS = 736
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350

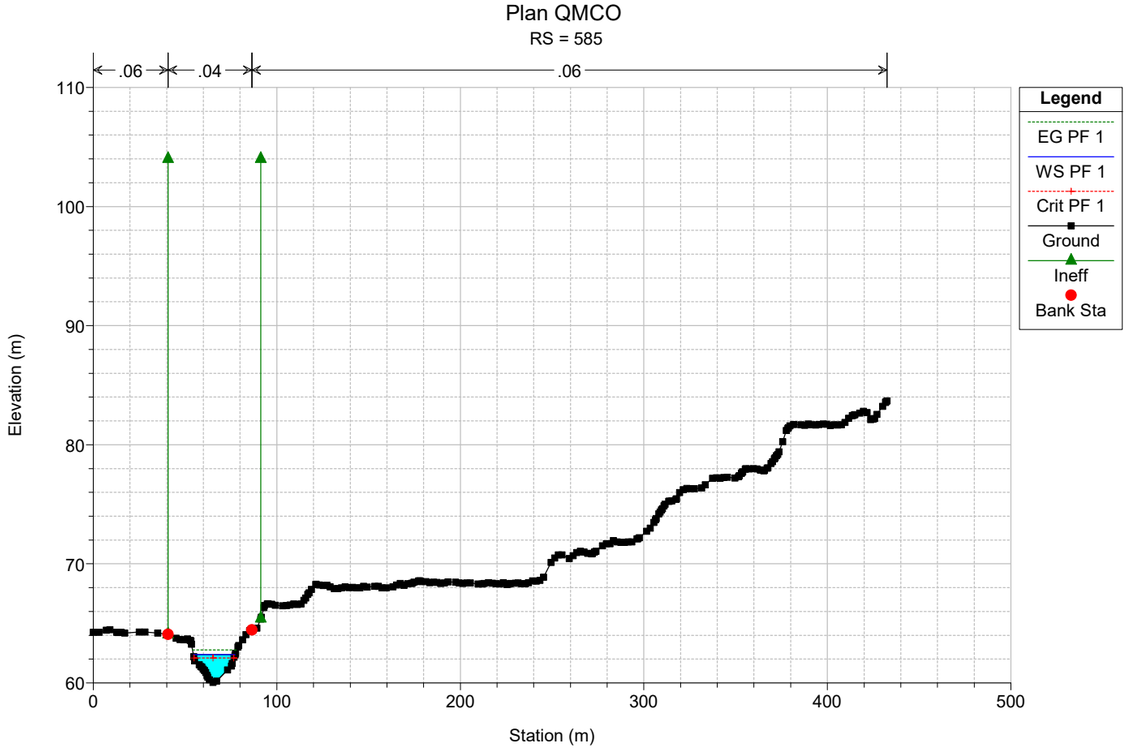

Plan QMCO
RS = 704
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350

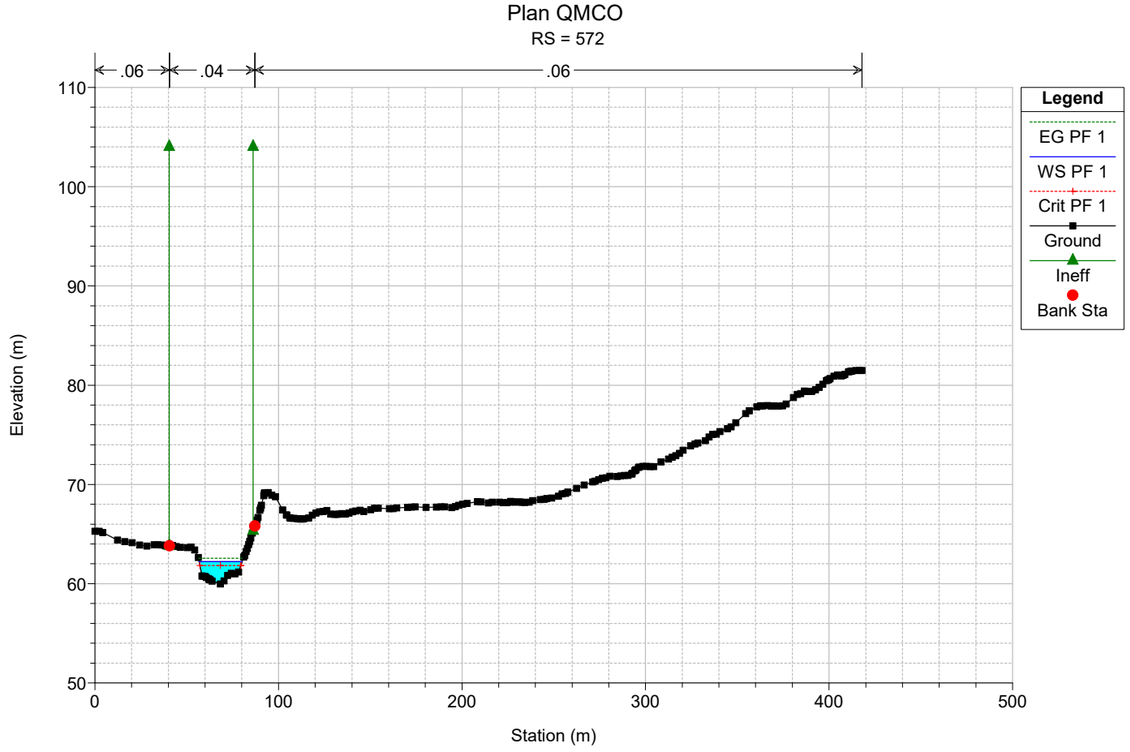

Plan QMCO
RS = 673
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

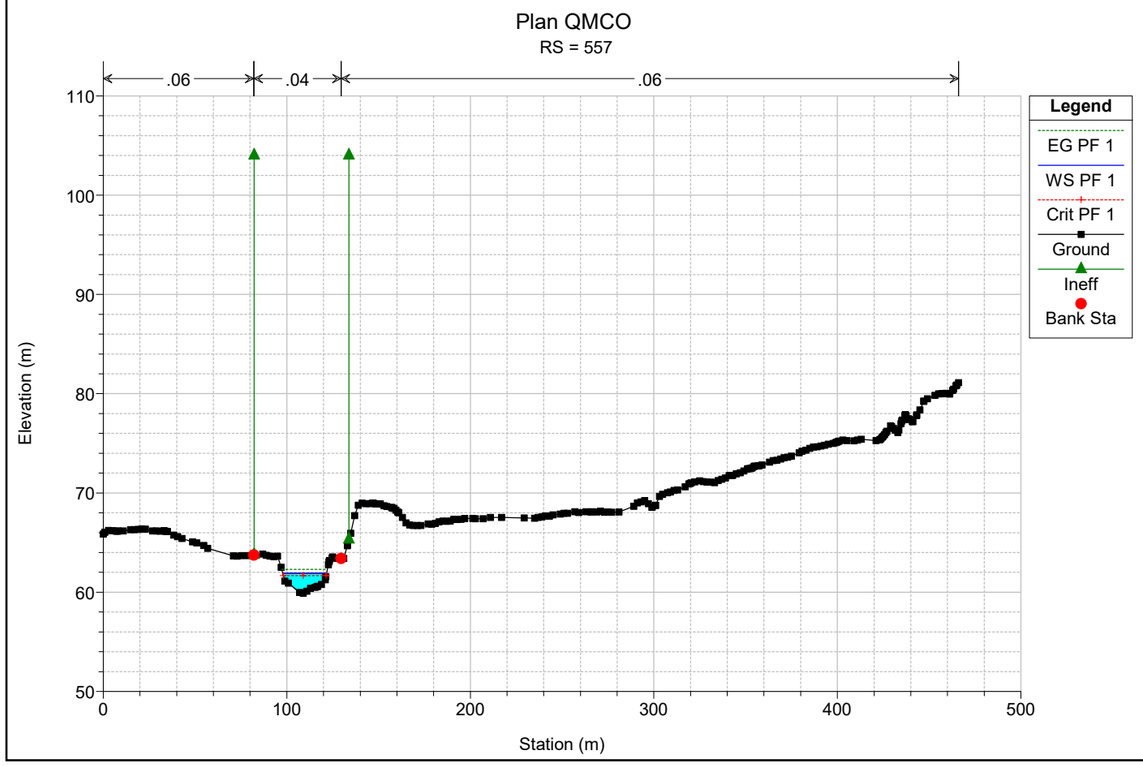

Plan QMCO
RS = 644
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

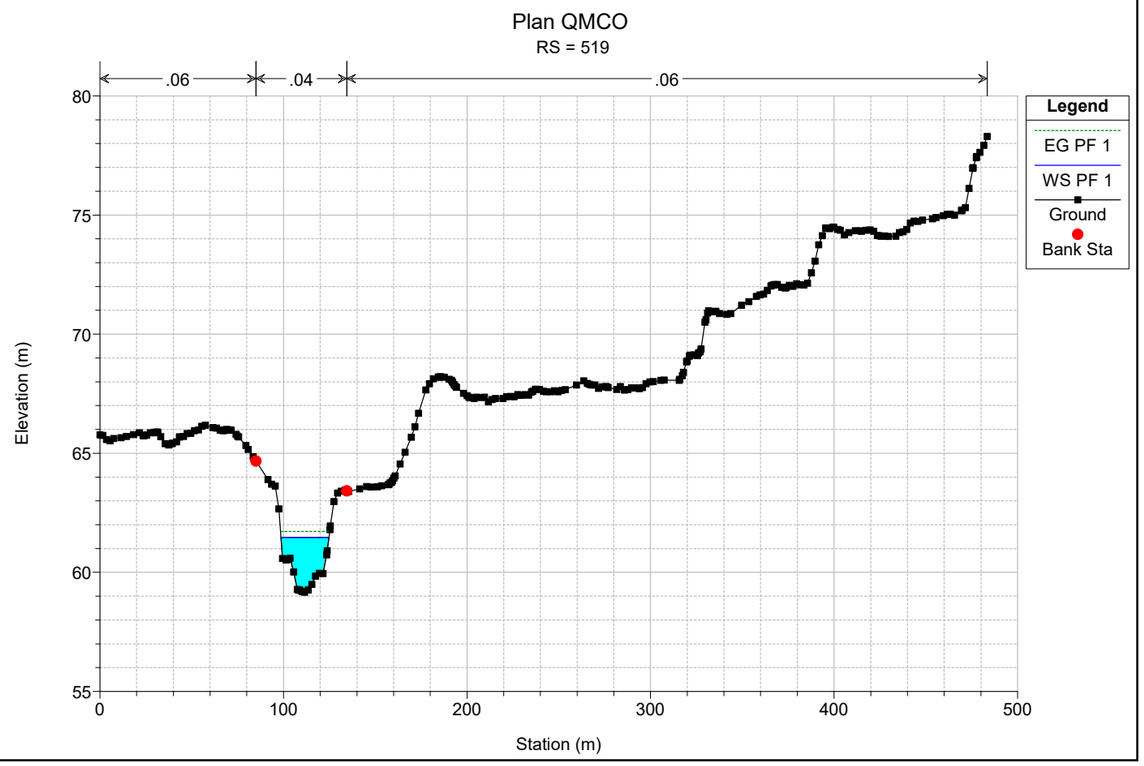

Plan QMCO
RS = 618
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

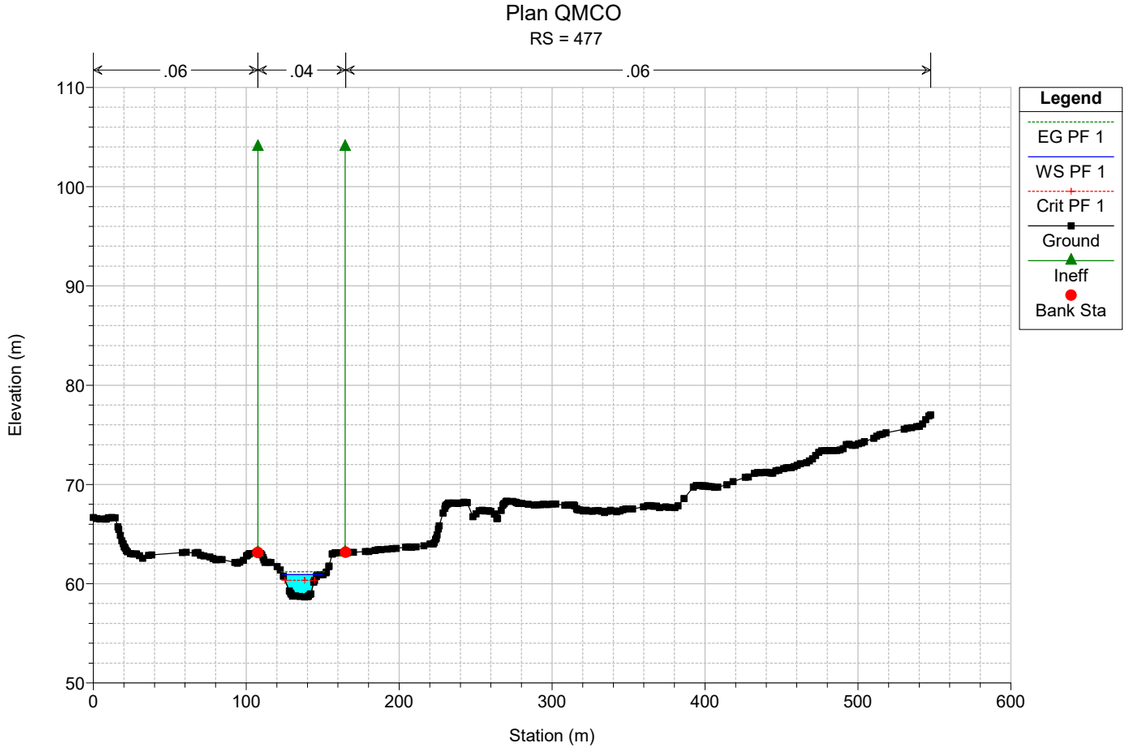

Plan QMCO
RS = 602
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

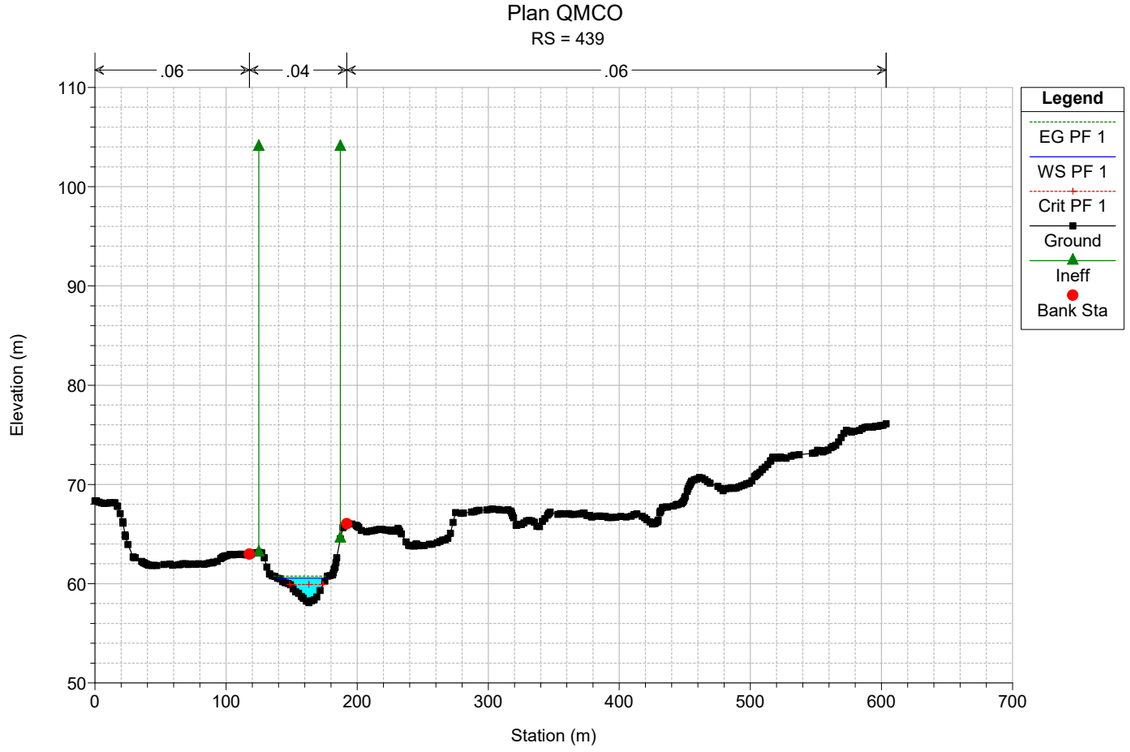

Plan QMCO
RS = 585
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

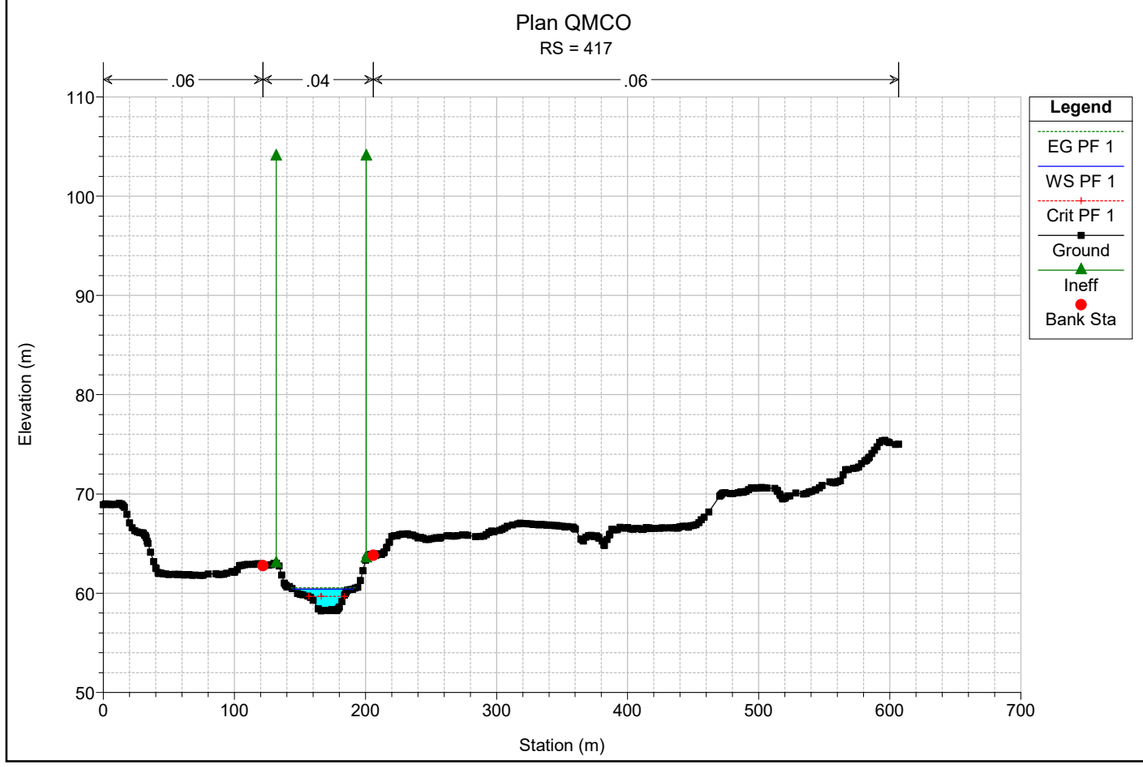

Plan QMCO
RS = 572
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

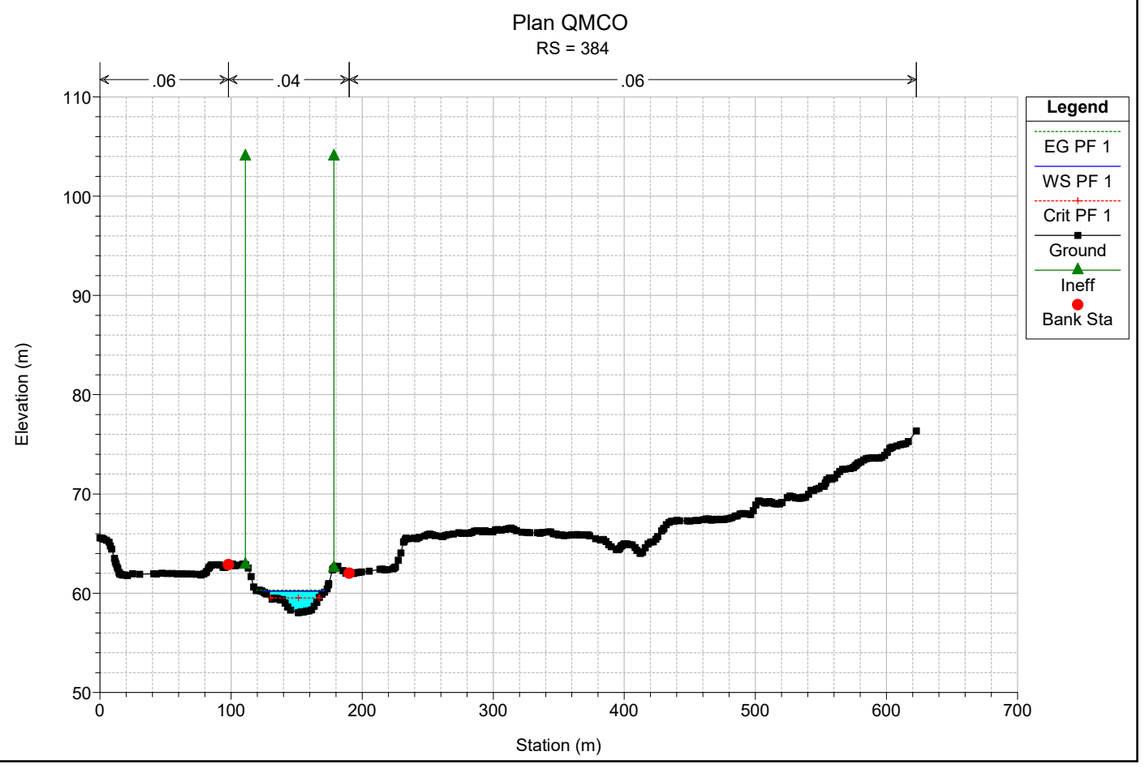

Plan QMCO
RS = 557
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

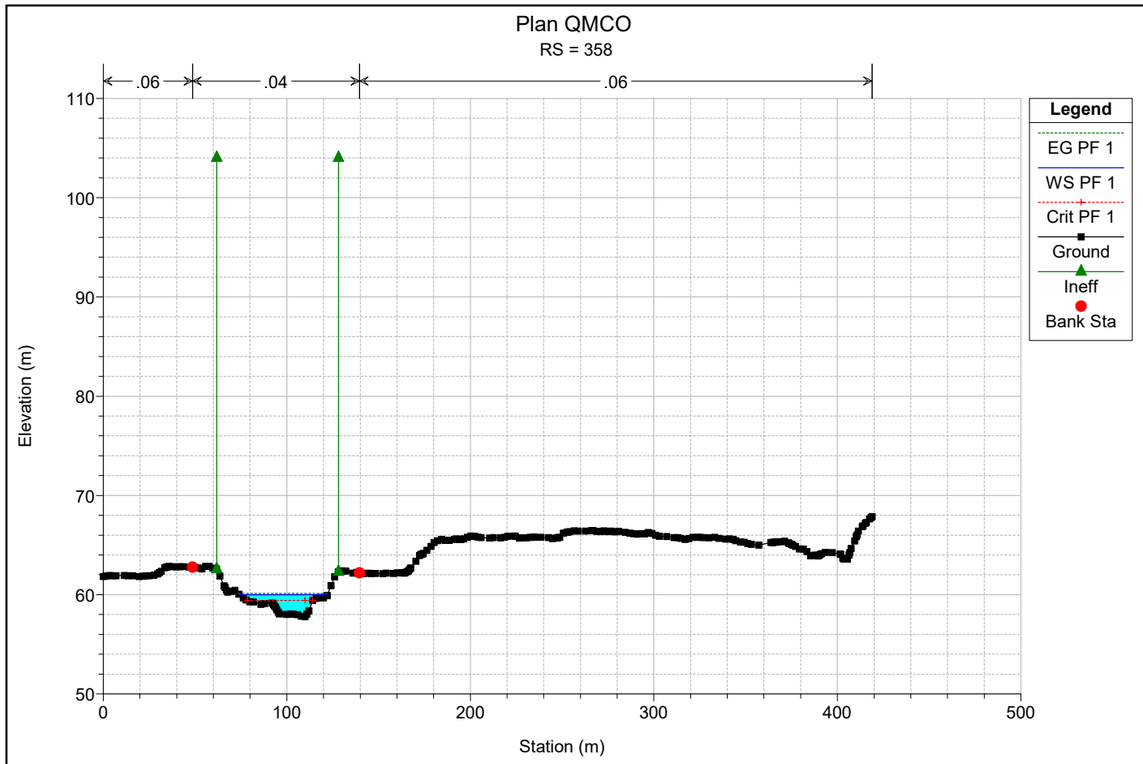

Plan QMCO
RS = 519
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

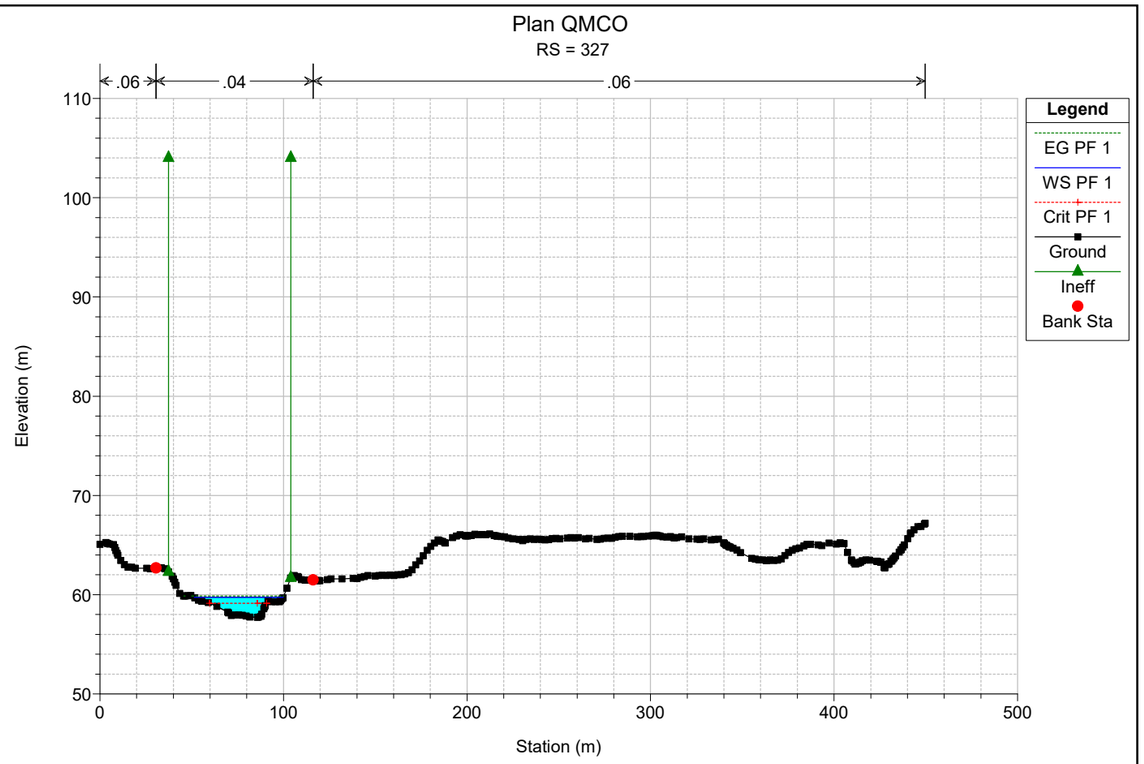

Plan QMCO
RS = 477
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

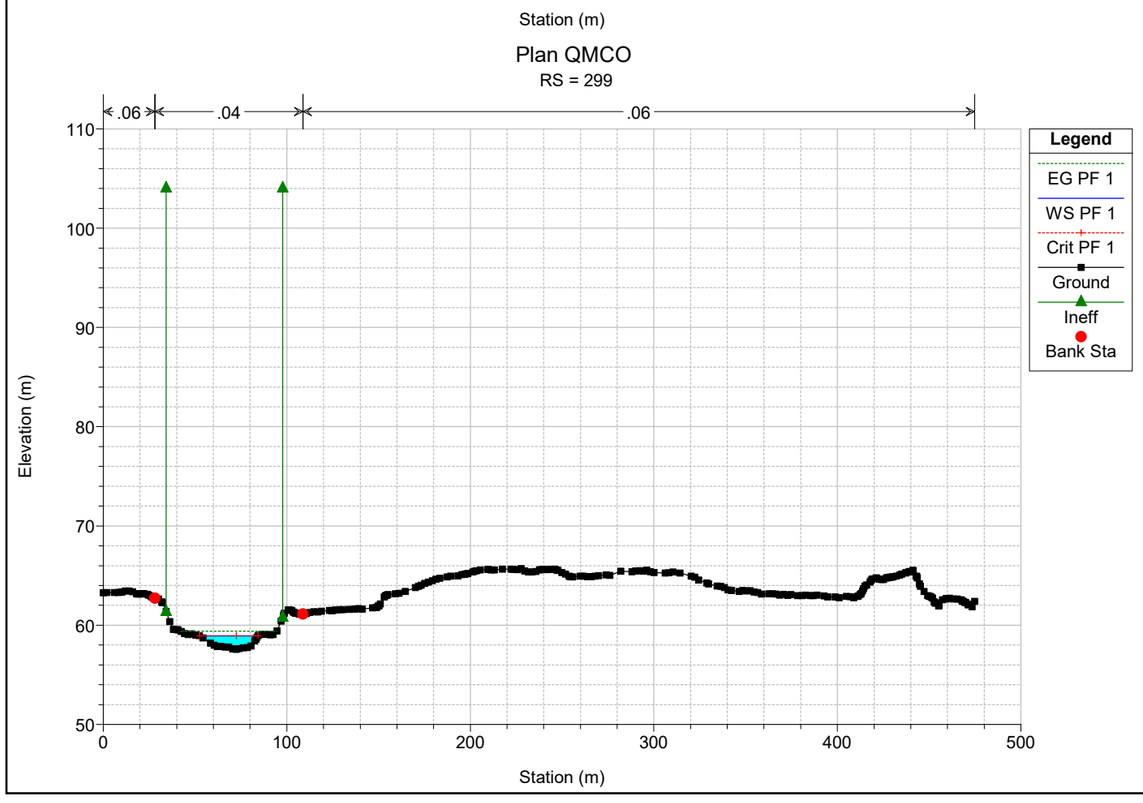

Plan QMCO
RS = 439
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

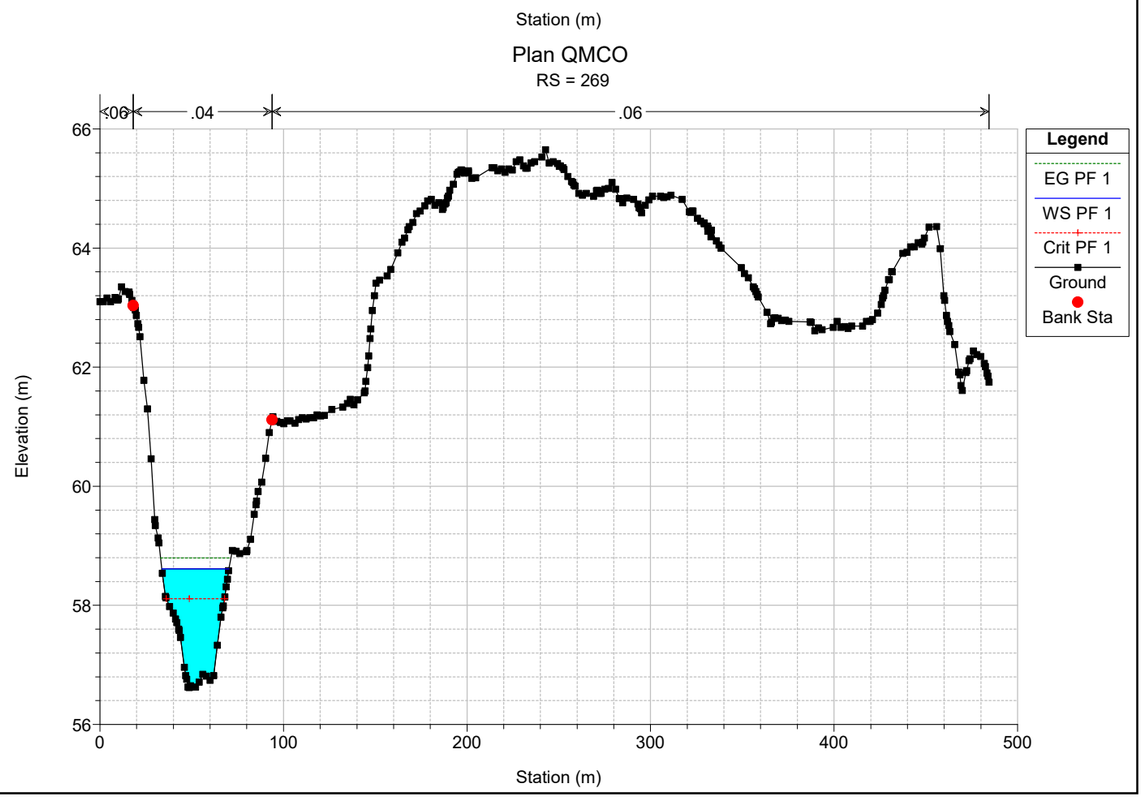

Plan QMCO
RS = 417
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

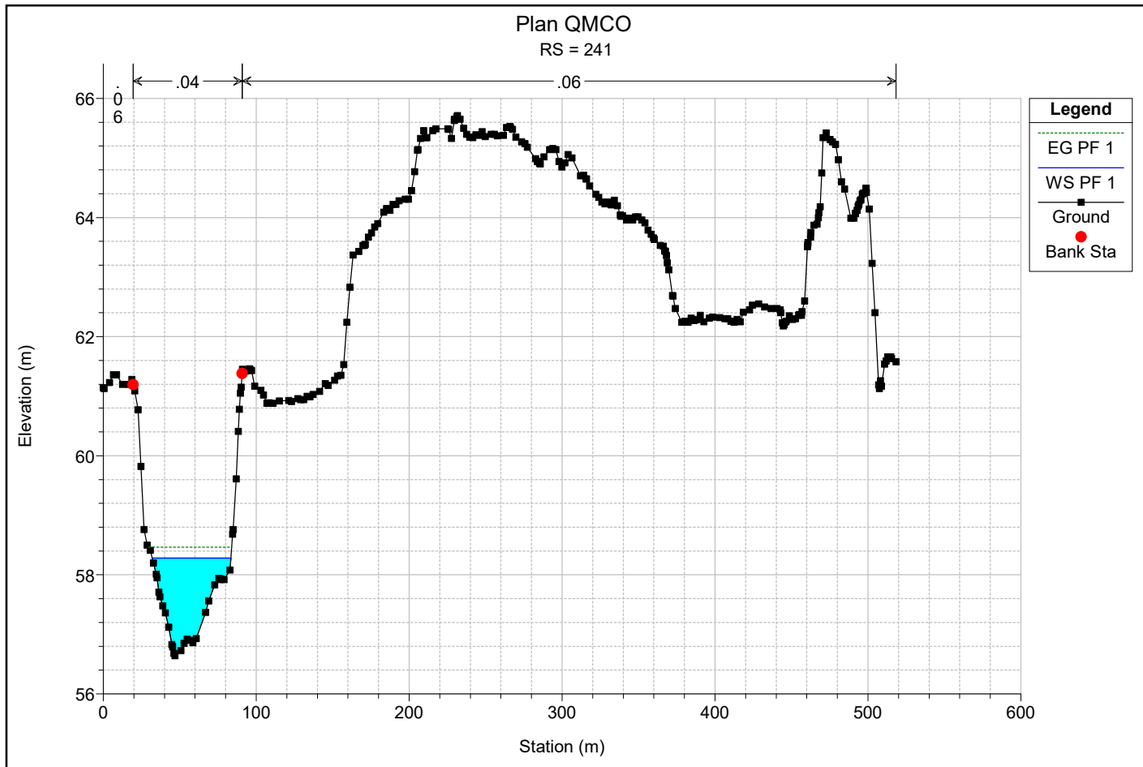

Plan QMCO
RS = 384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

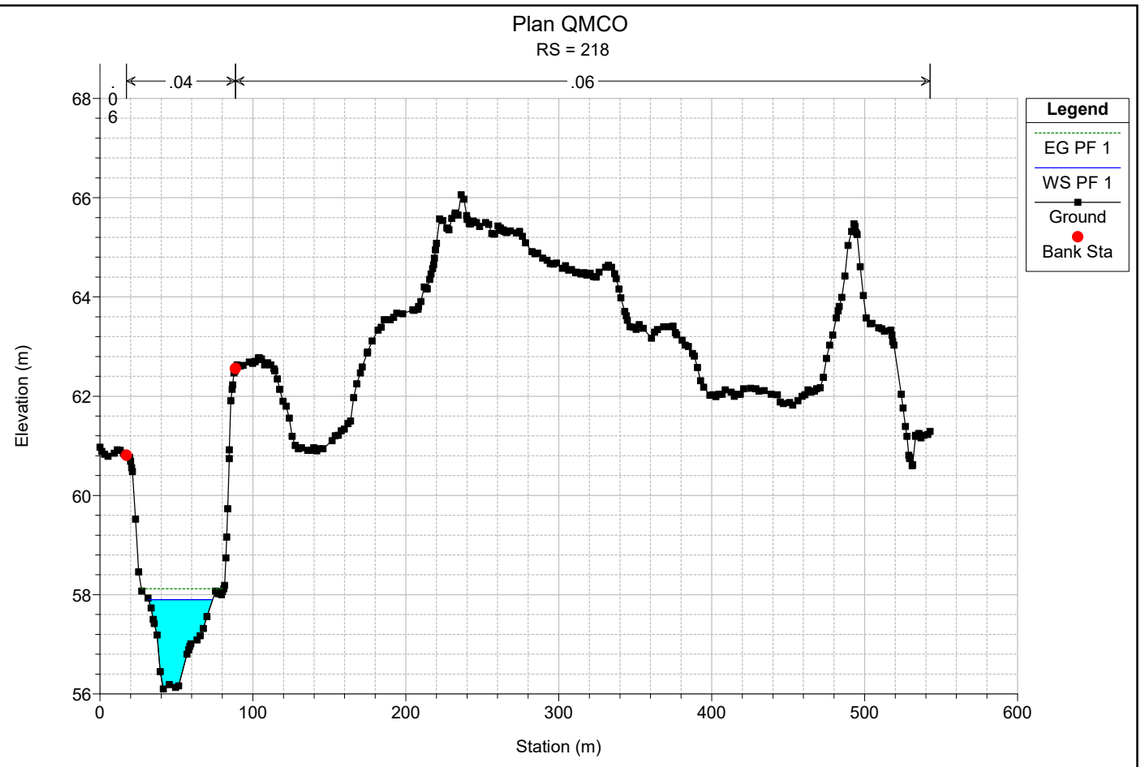

Plan QMCO
RS = 358
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

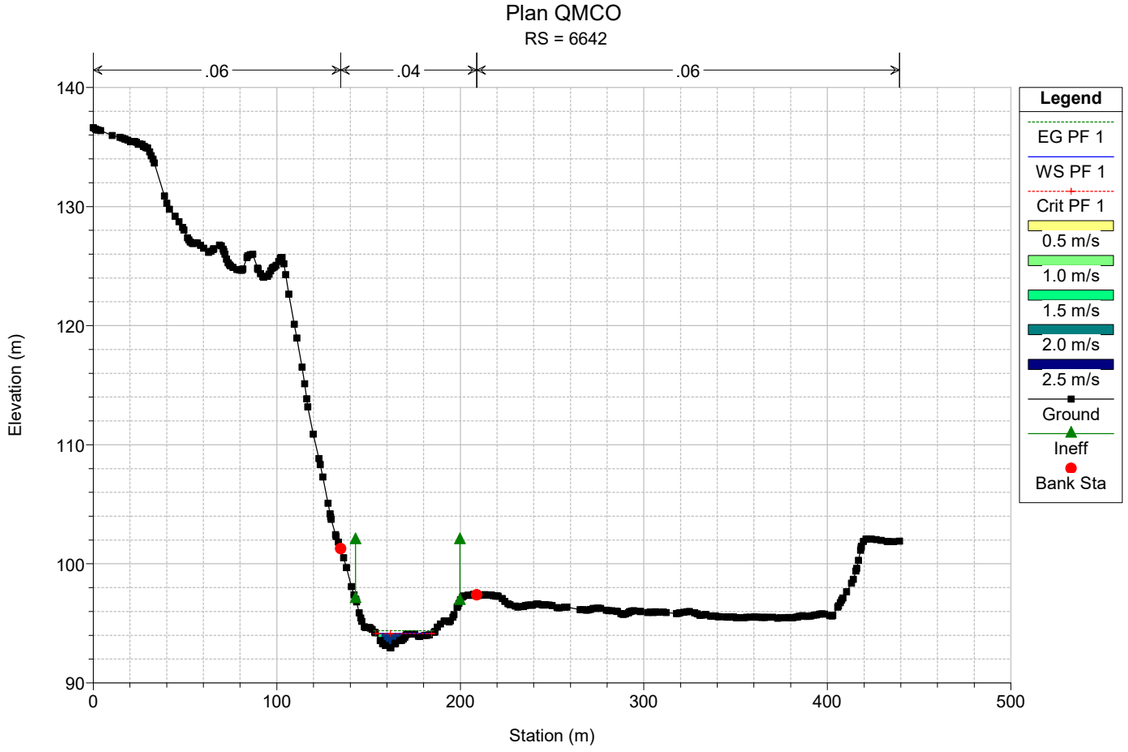

Plan QMCO
RS = 327
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

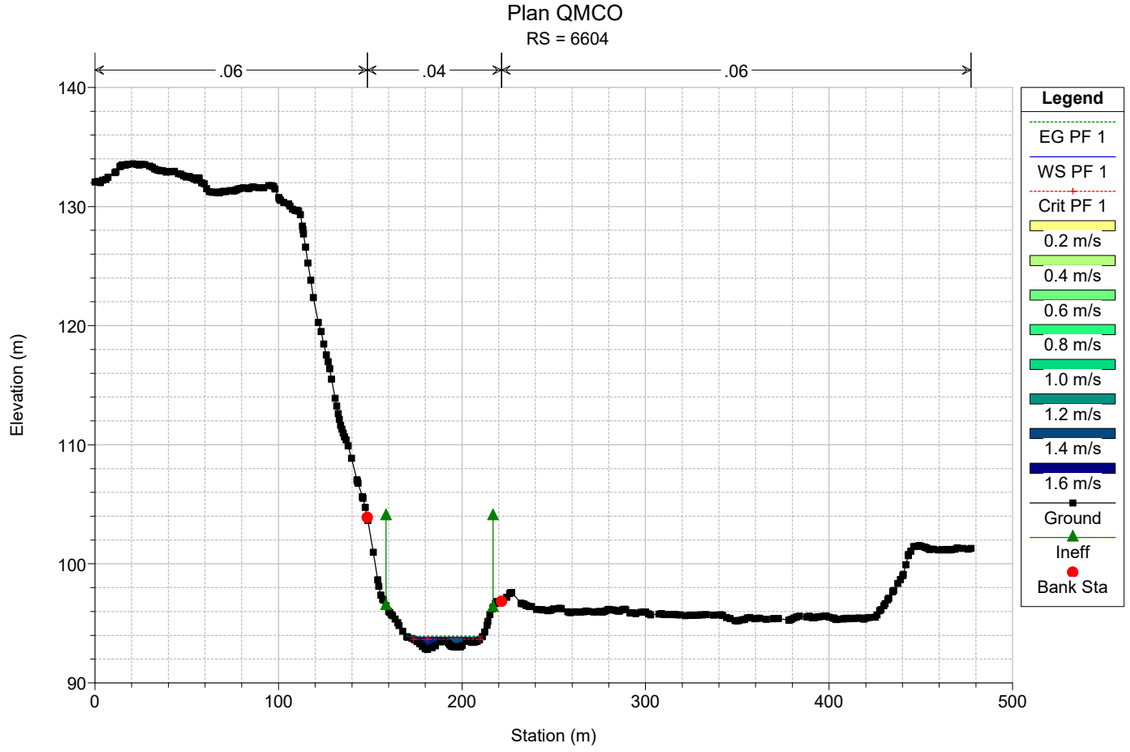

Plan QMCO
RS = 299
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

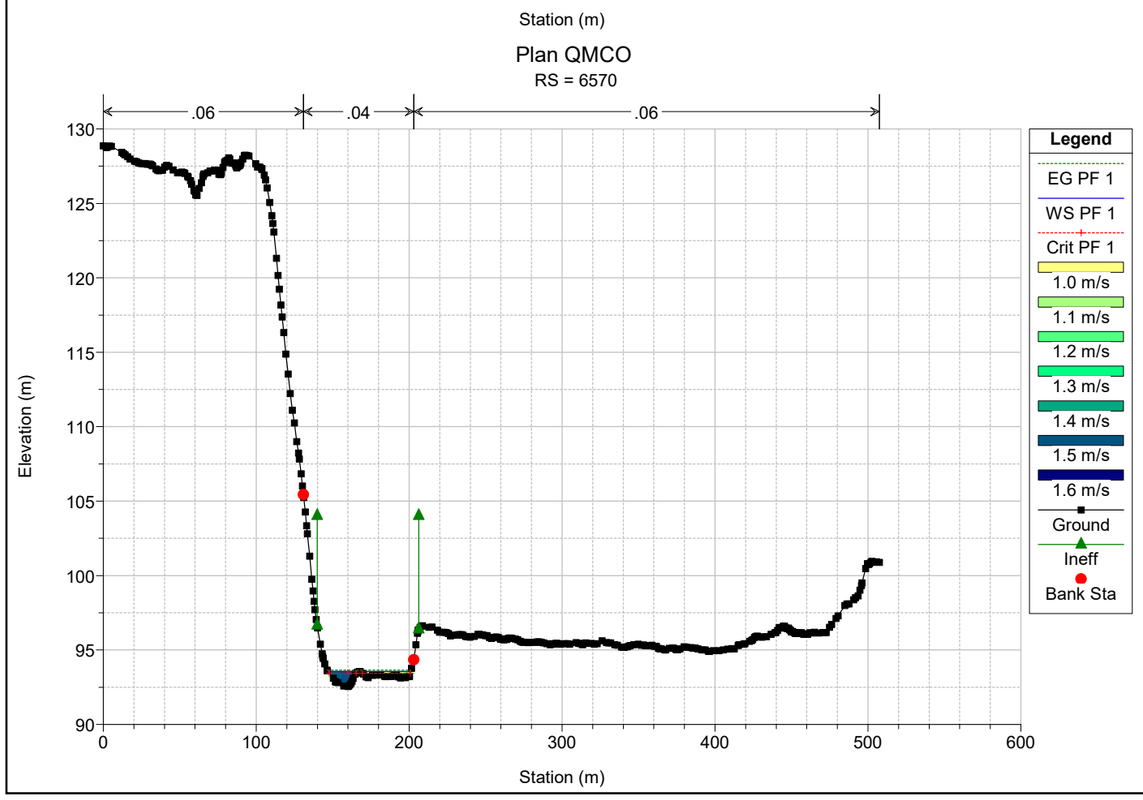

Plan QMCO
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500

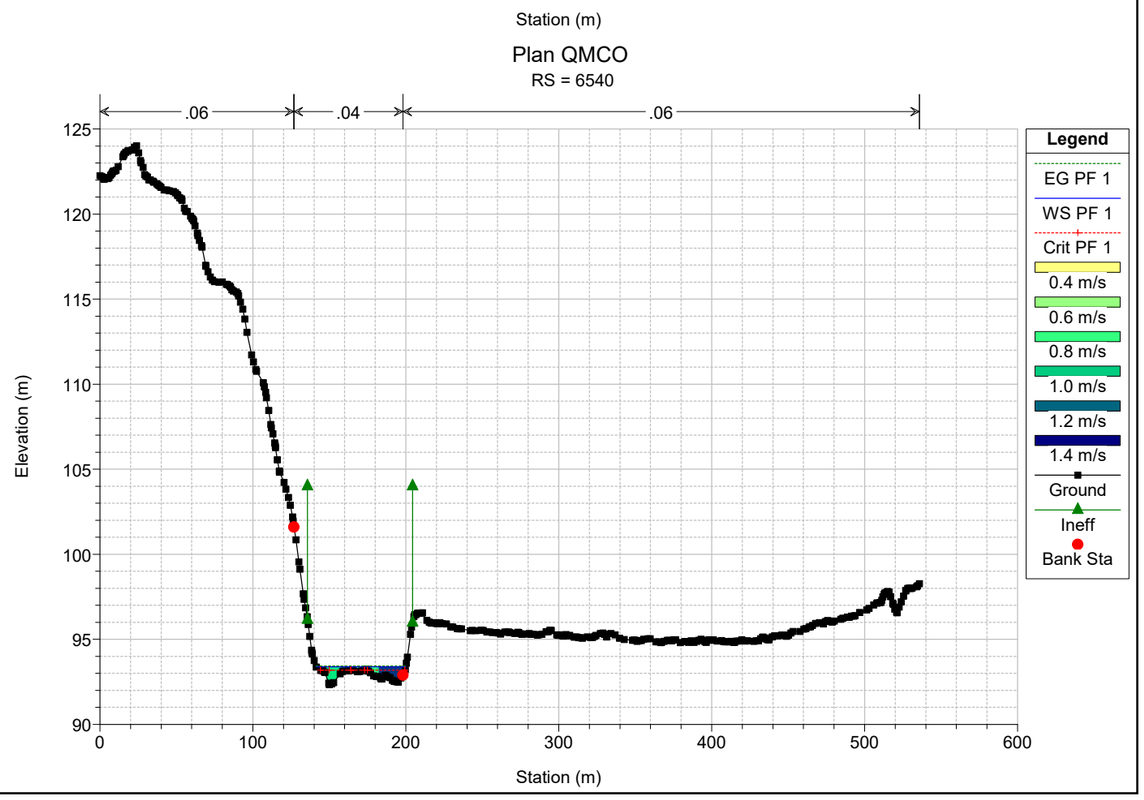

Plan QMCO
RS = 241
.04
.06
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500
600

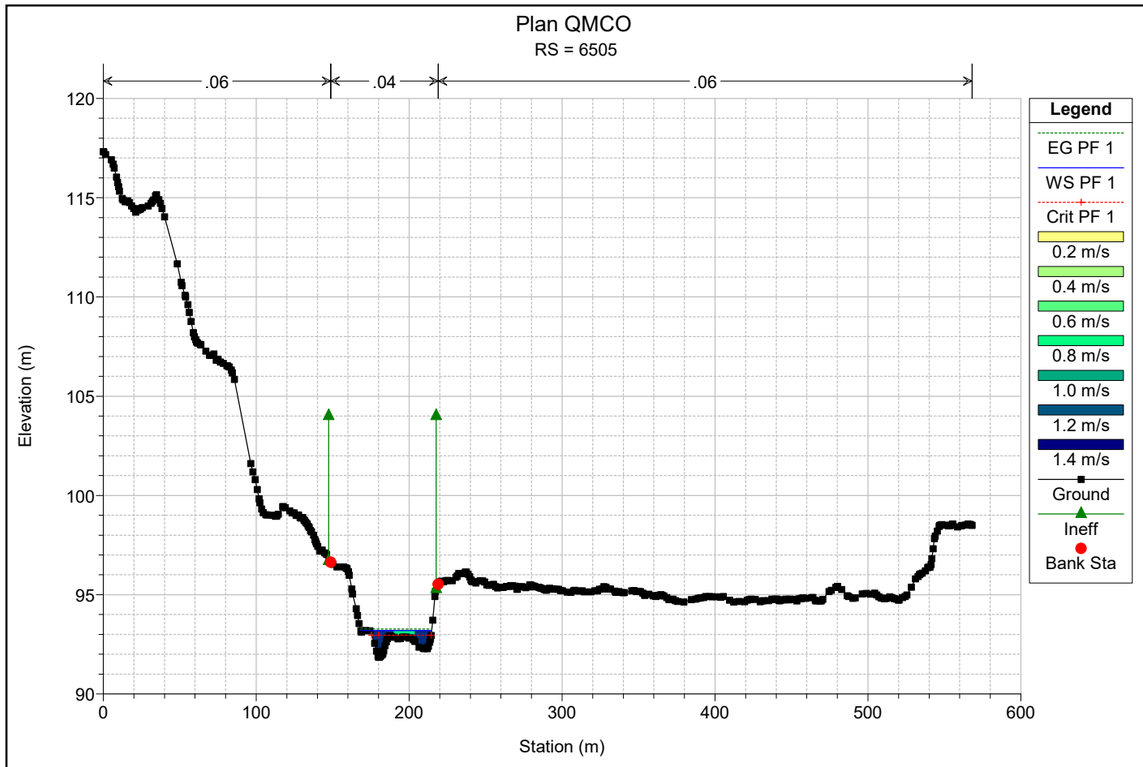

Plan QMCO
RS = 218
.04
.06
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
68
66
64
62
60
58
56
0
100
200
300
400
500
600

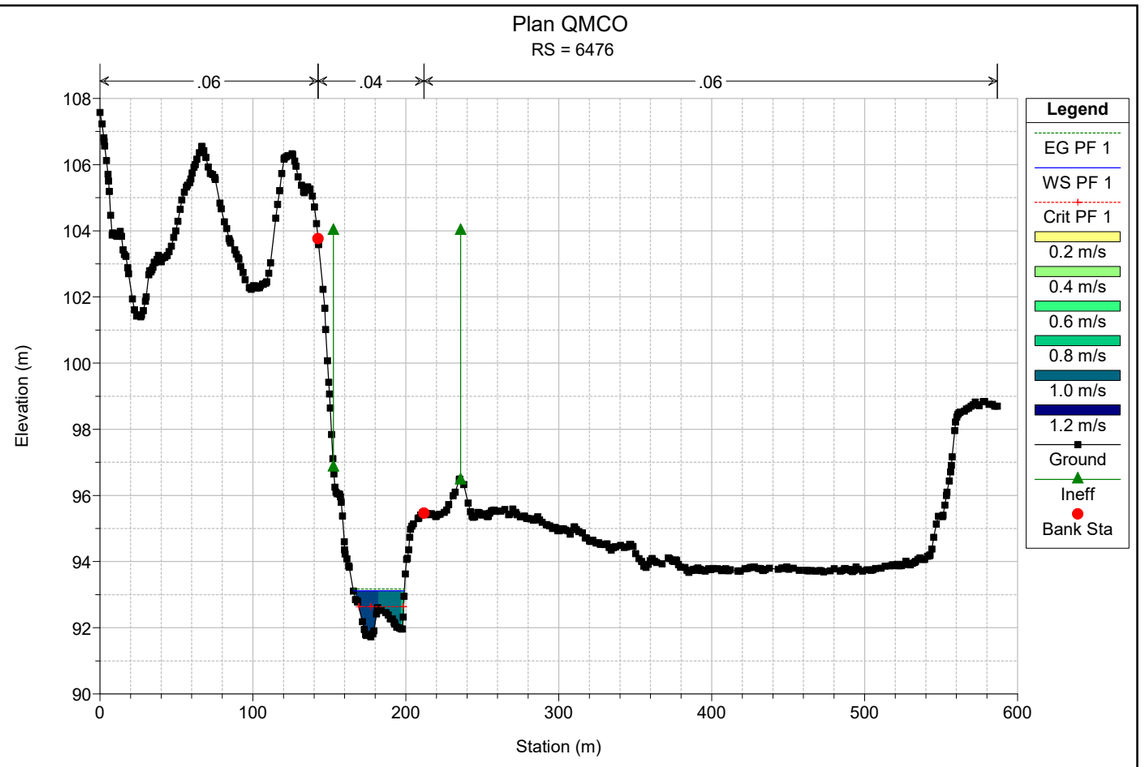

Plan QMCO
RS = 6642
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

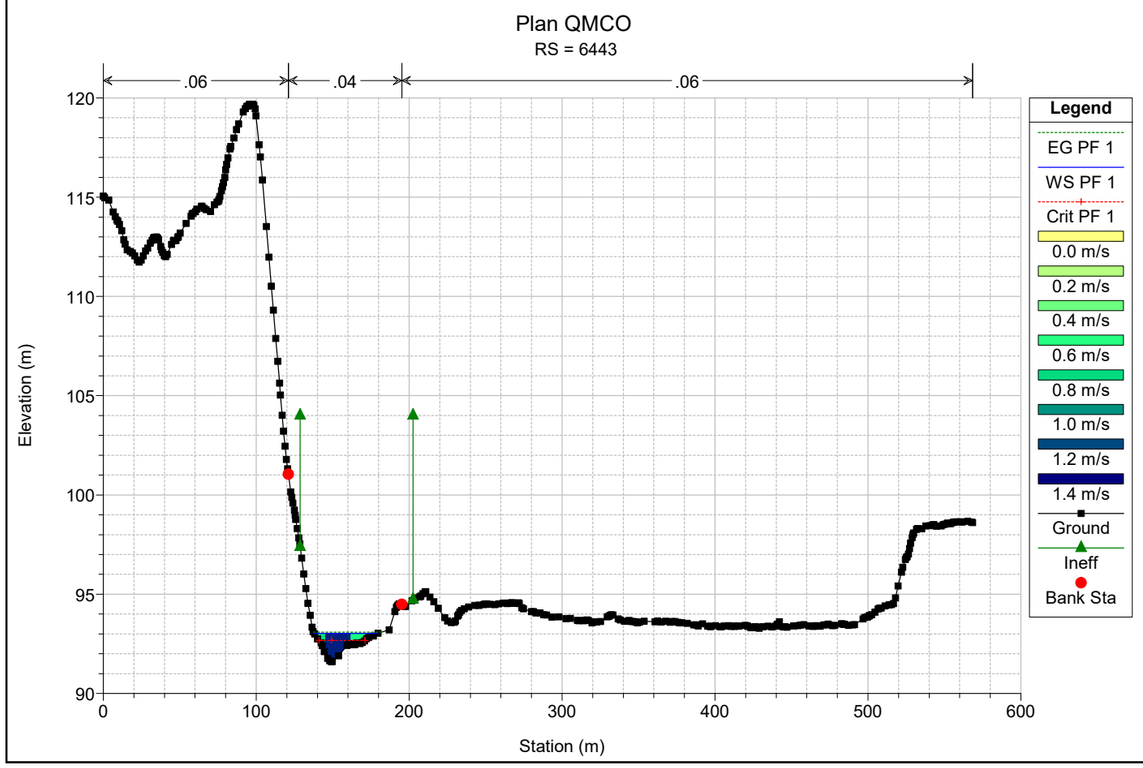

Plan QMCO
RS = 6604
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

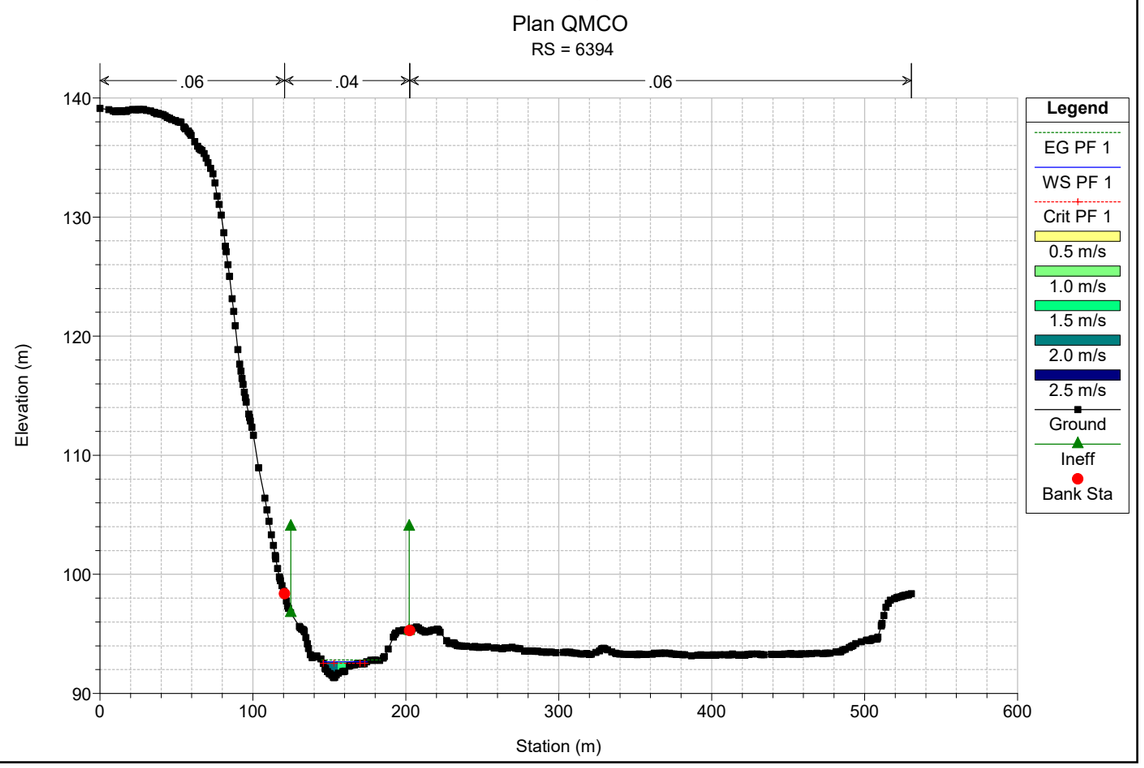

Plan QMCO
RS = 6570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
1.6 m/s
Ground
Ineff
Bank Sta

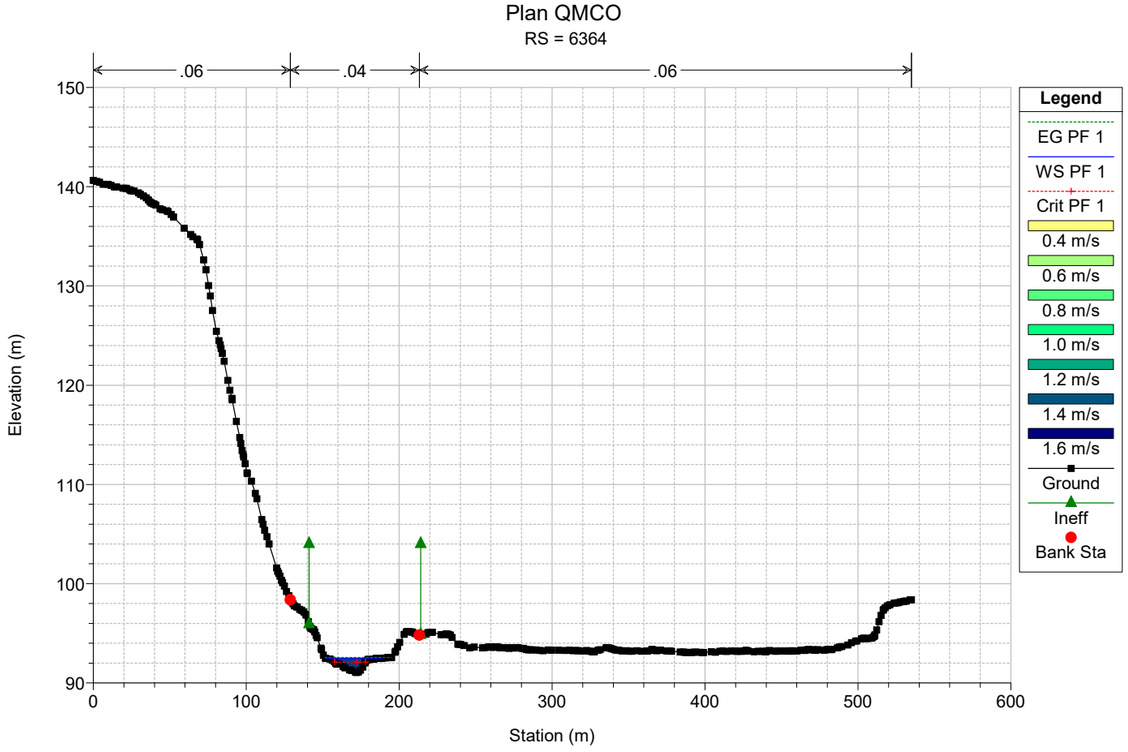

Plan QMCO
RS = 6540
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

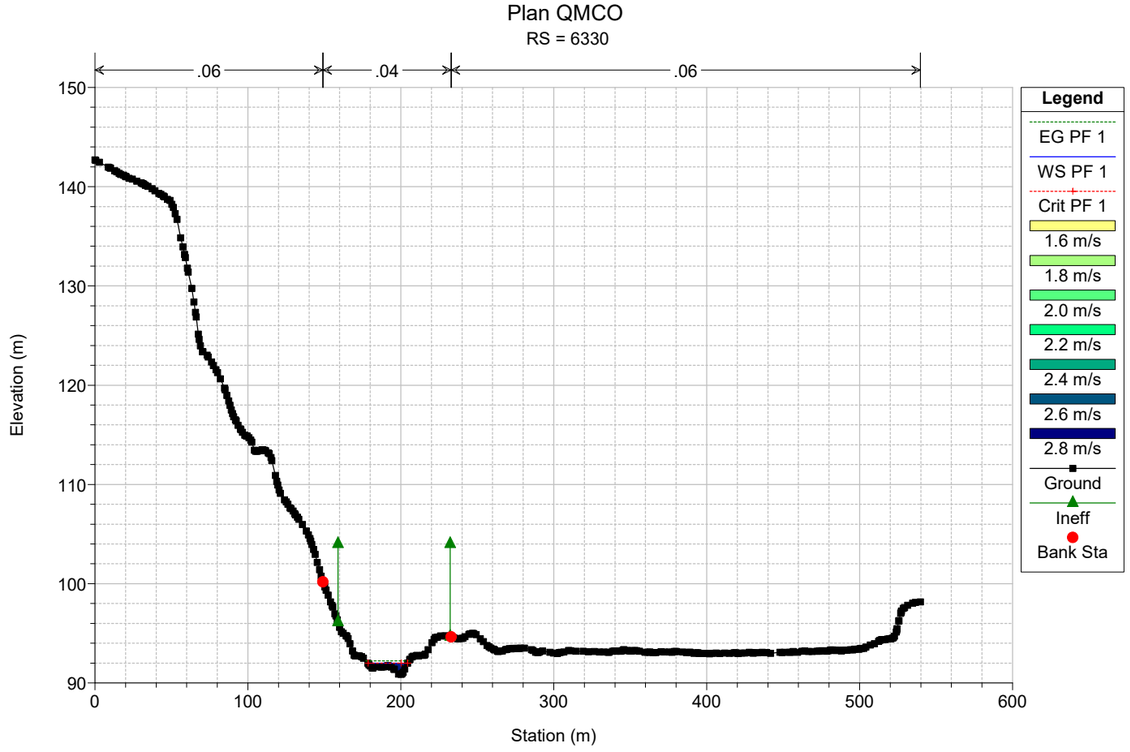

Plan QMCO
RS = 6505
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

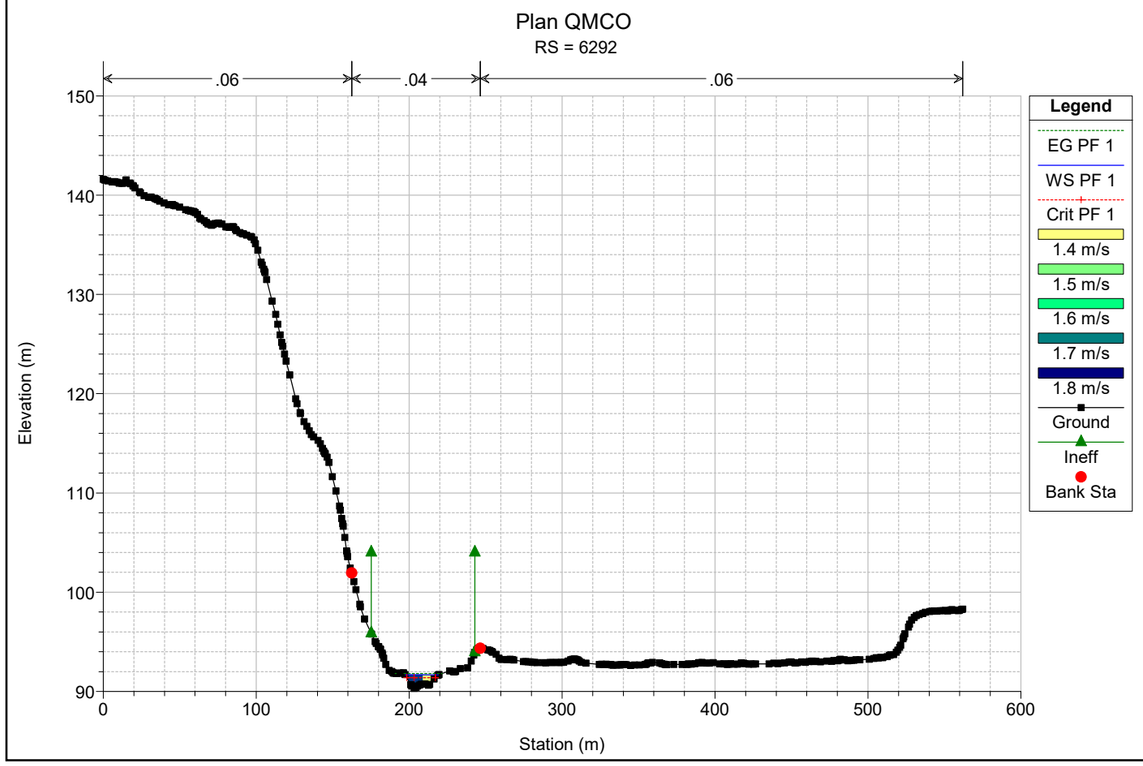

Plan QMCO
RS = 6476
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Ineff
Bank Sta

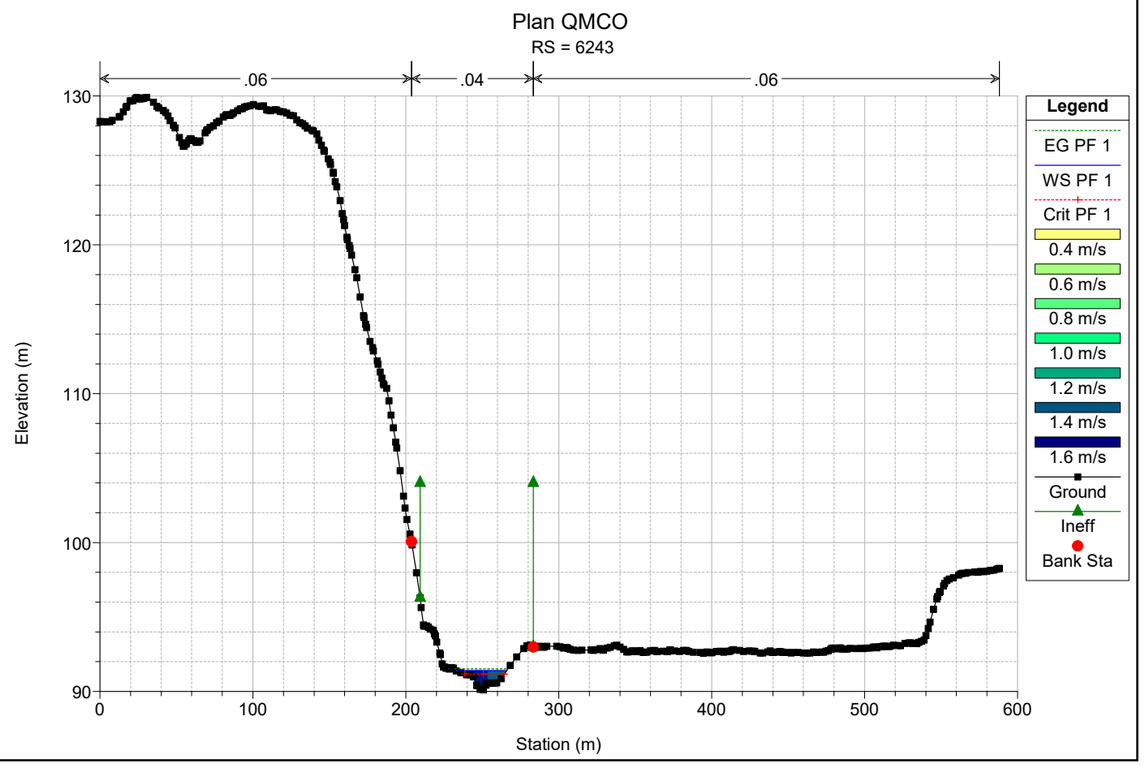

Plan QMCO
RS = 6443
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

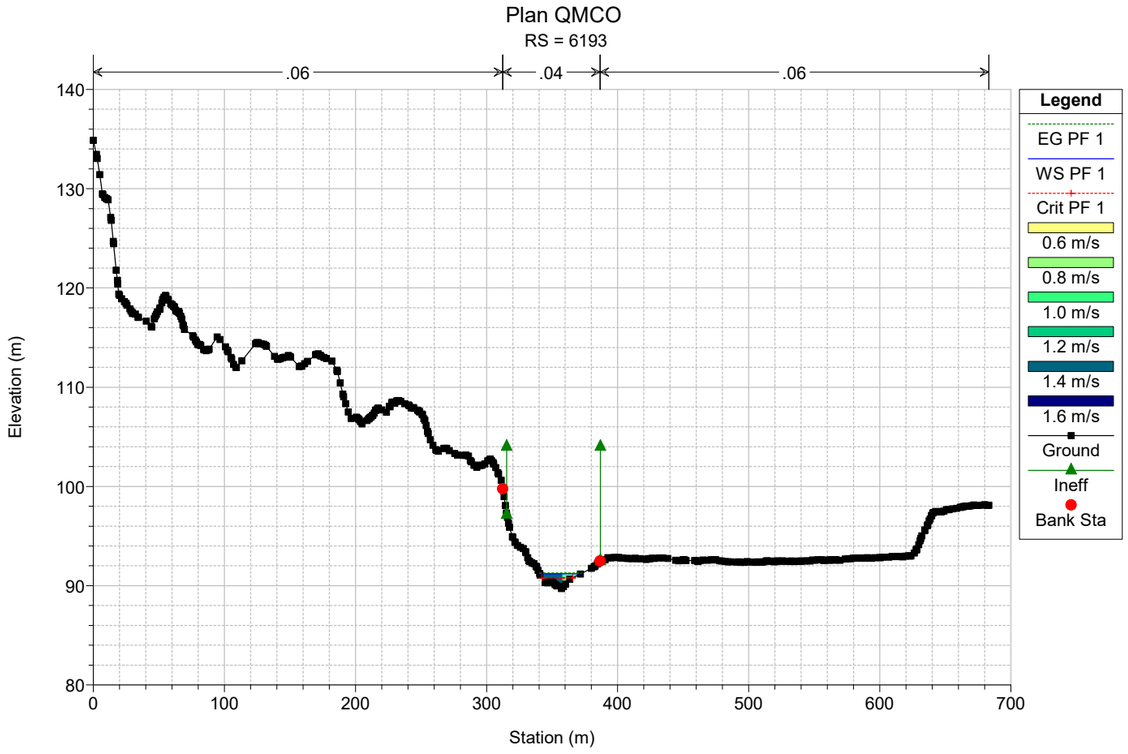

Plan QMCO
RS = 6394
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

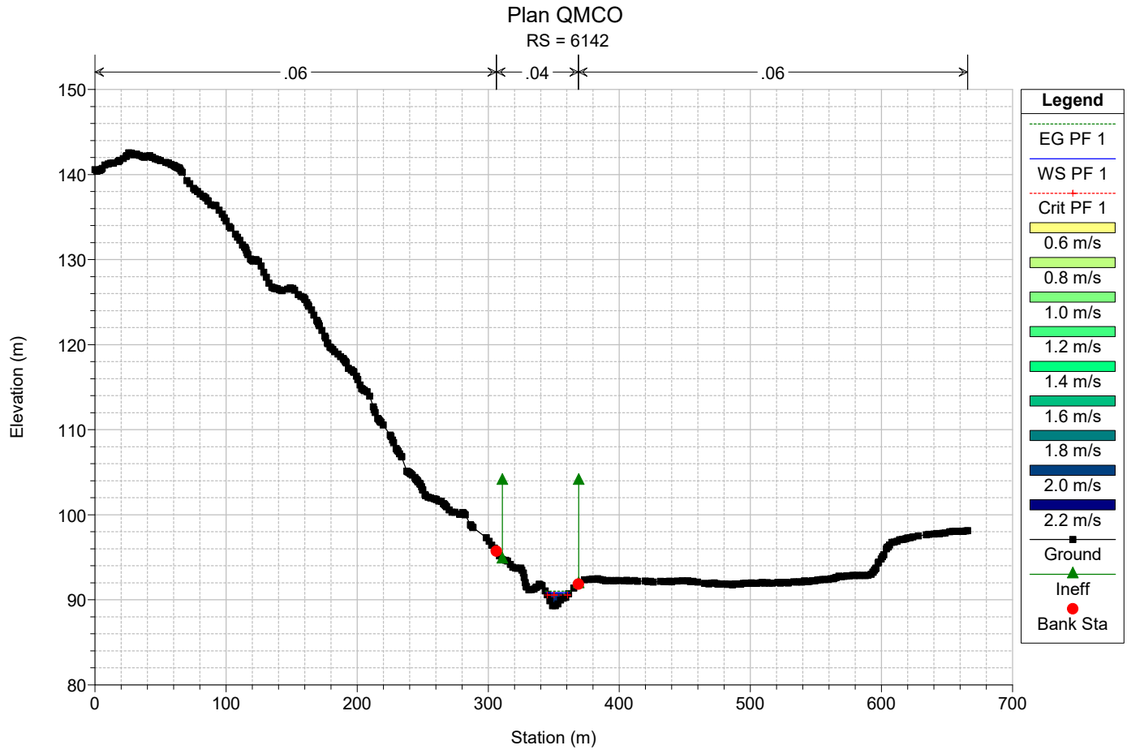

Plan QMCO
RS = 6364
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

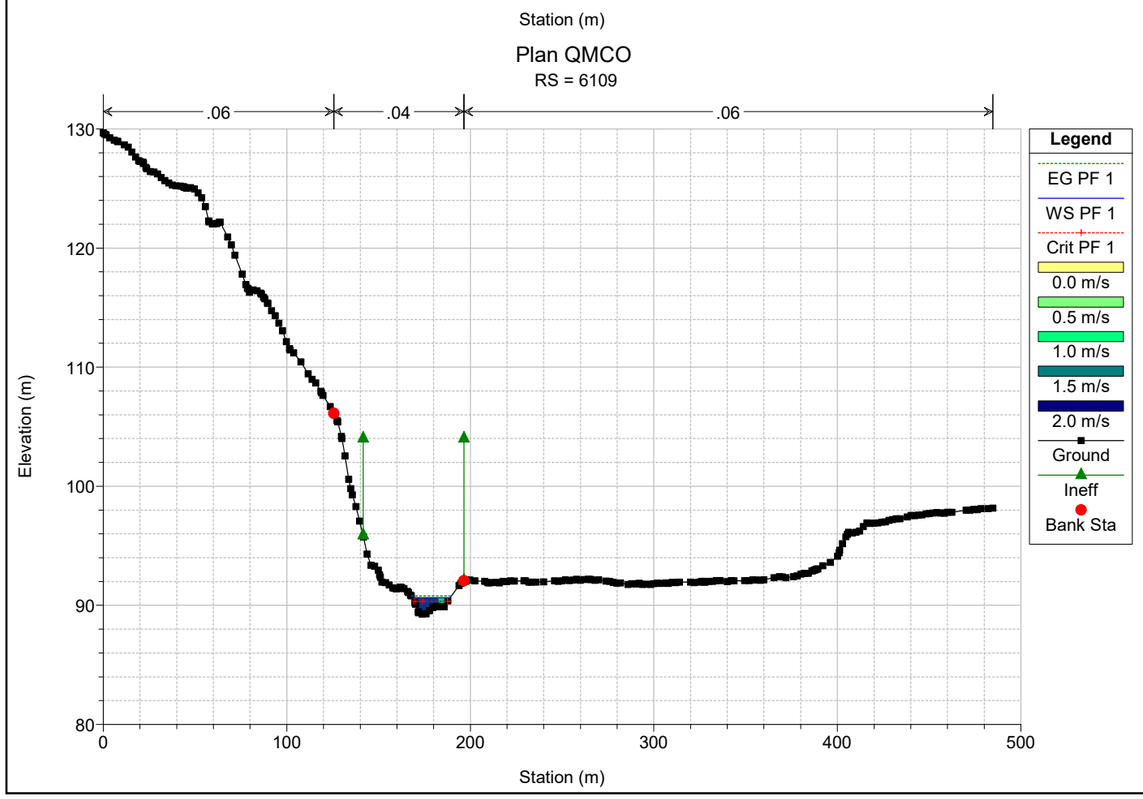

Plan QMCO
RS = 6330
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

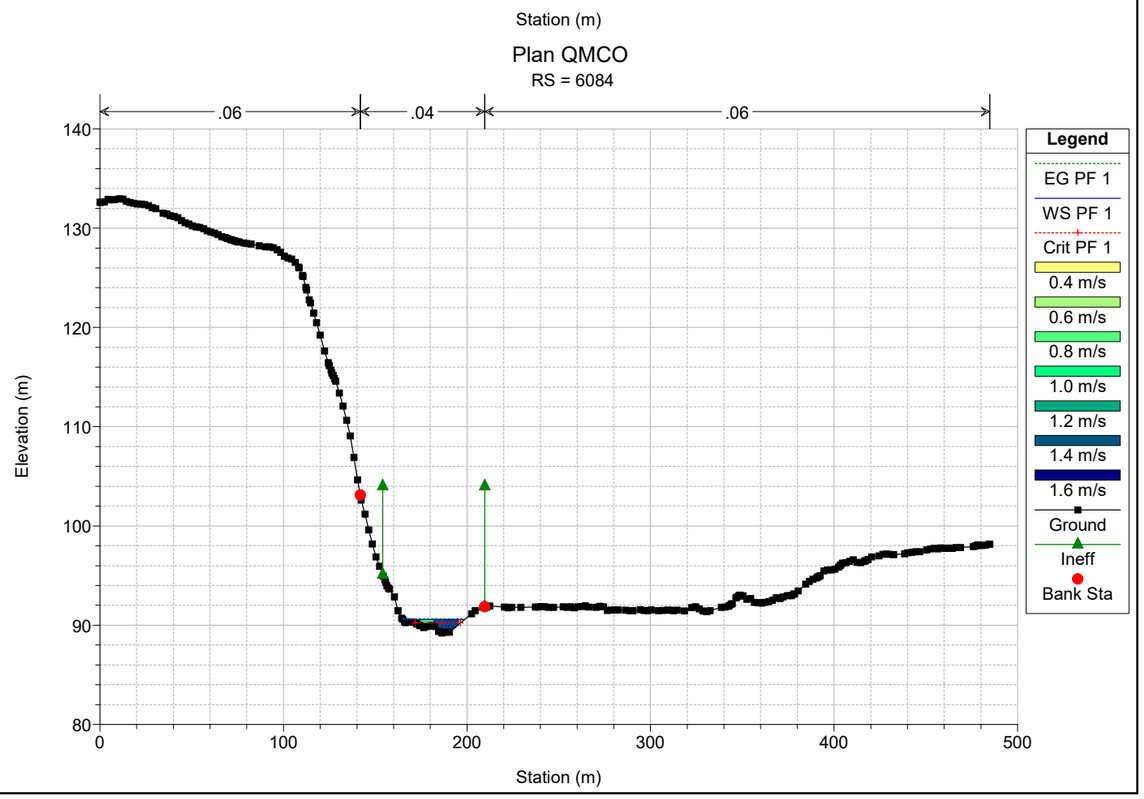

Plan QMCO
RS = 6292
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.5 m/s
1.6 m/s
1.7 m/s
1.8 m/s
Ground
Ineff
Bank Sta

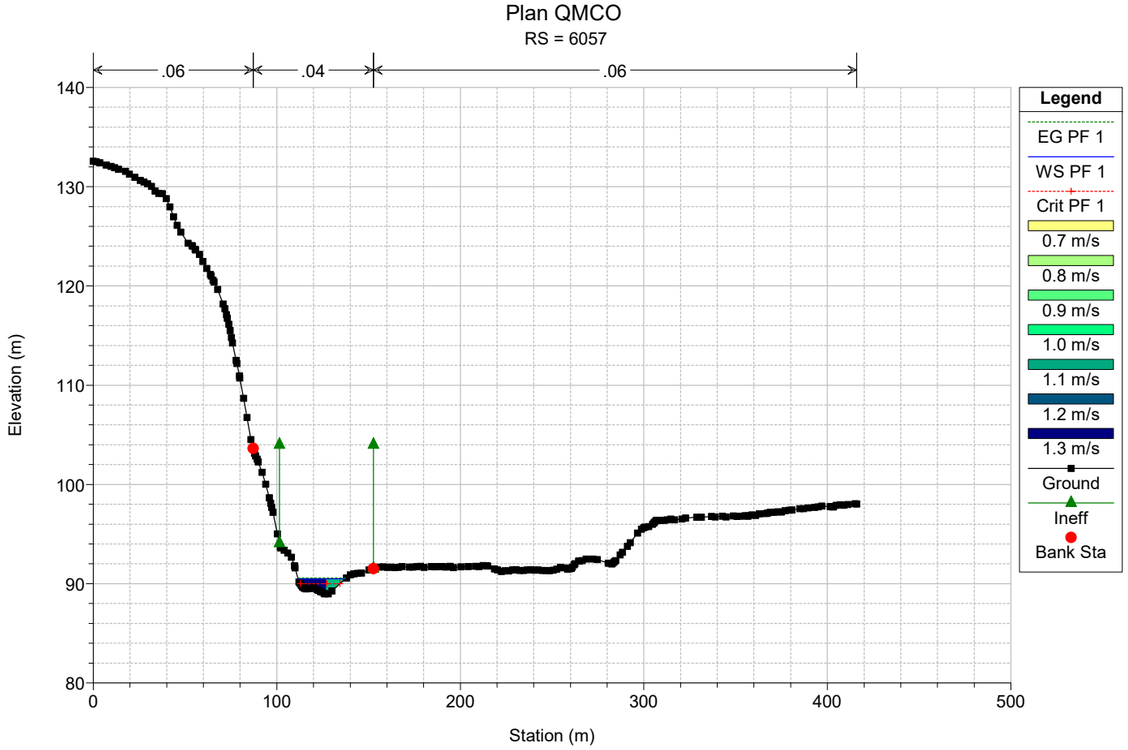

Plan QMCO
RS = 6243
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

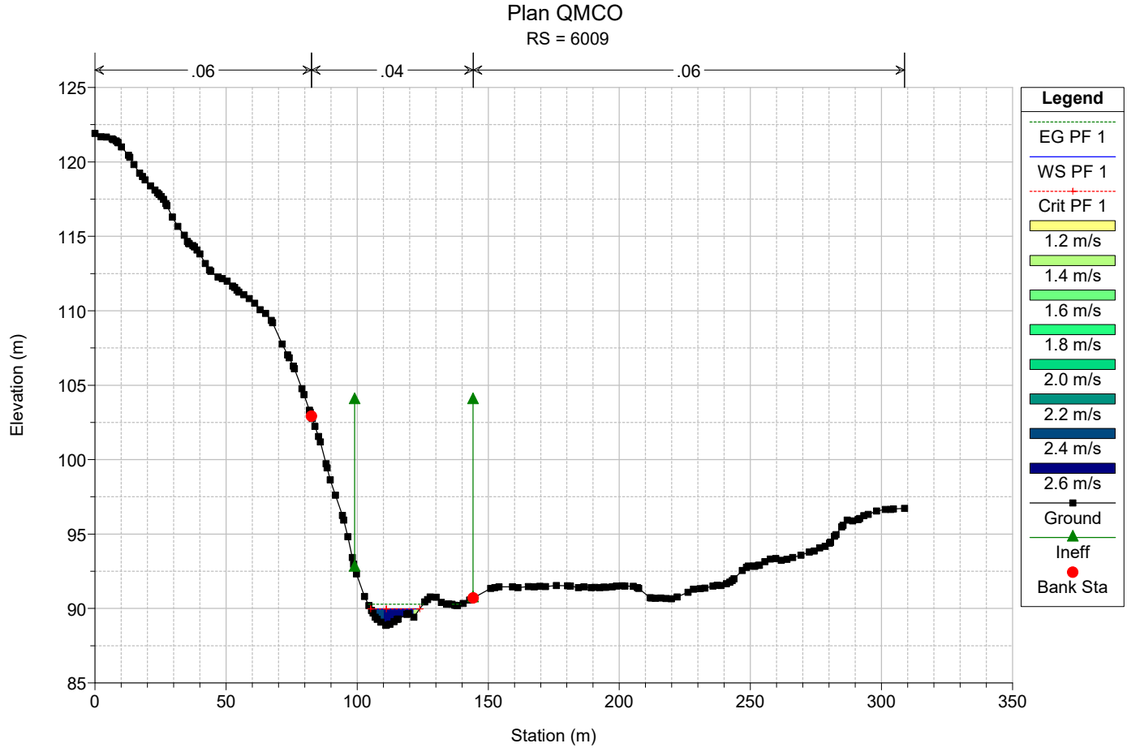

Plan QMCO
RS = 6193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

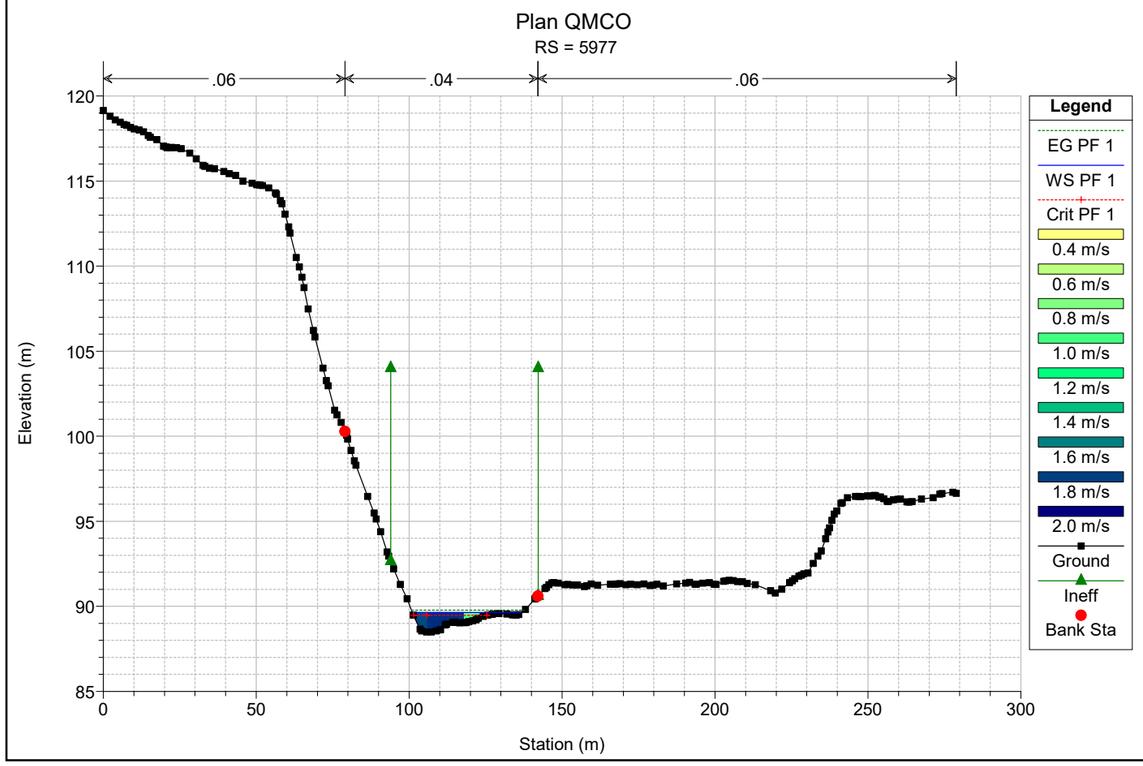

Plan QMCO
RS = 6142
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

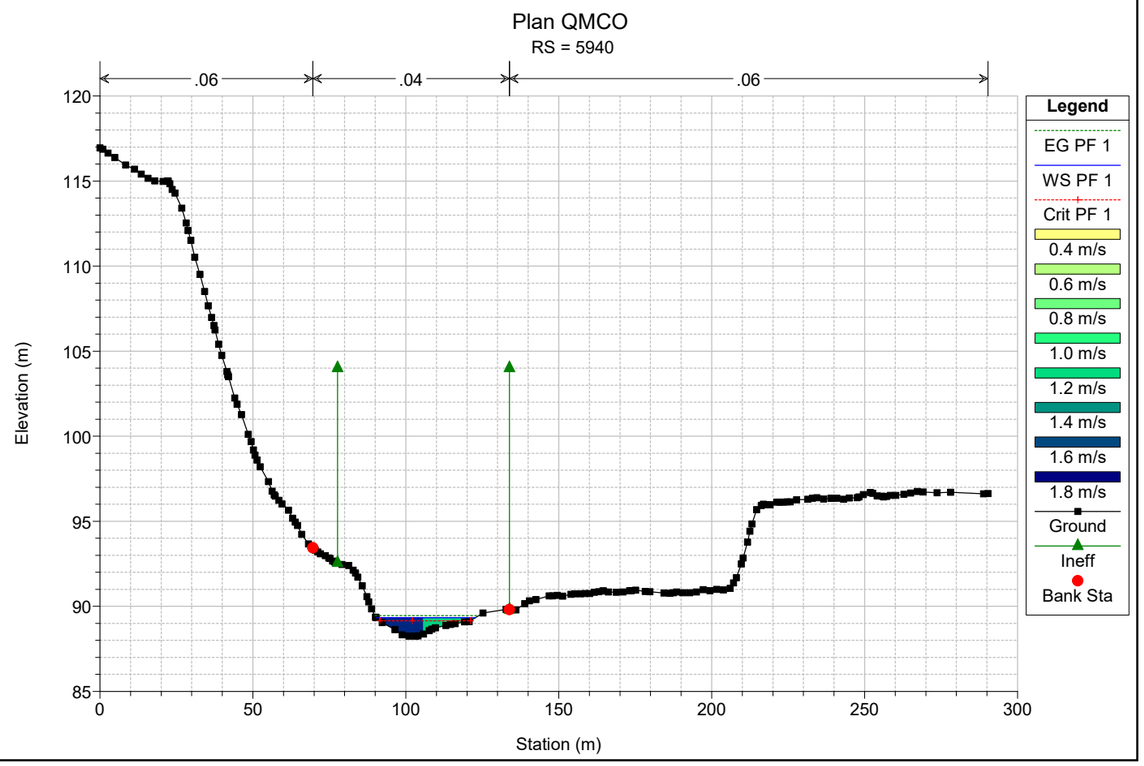

Plan QMCO
RS = 6109
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

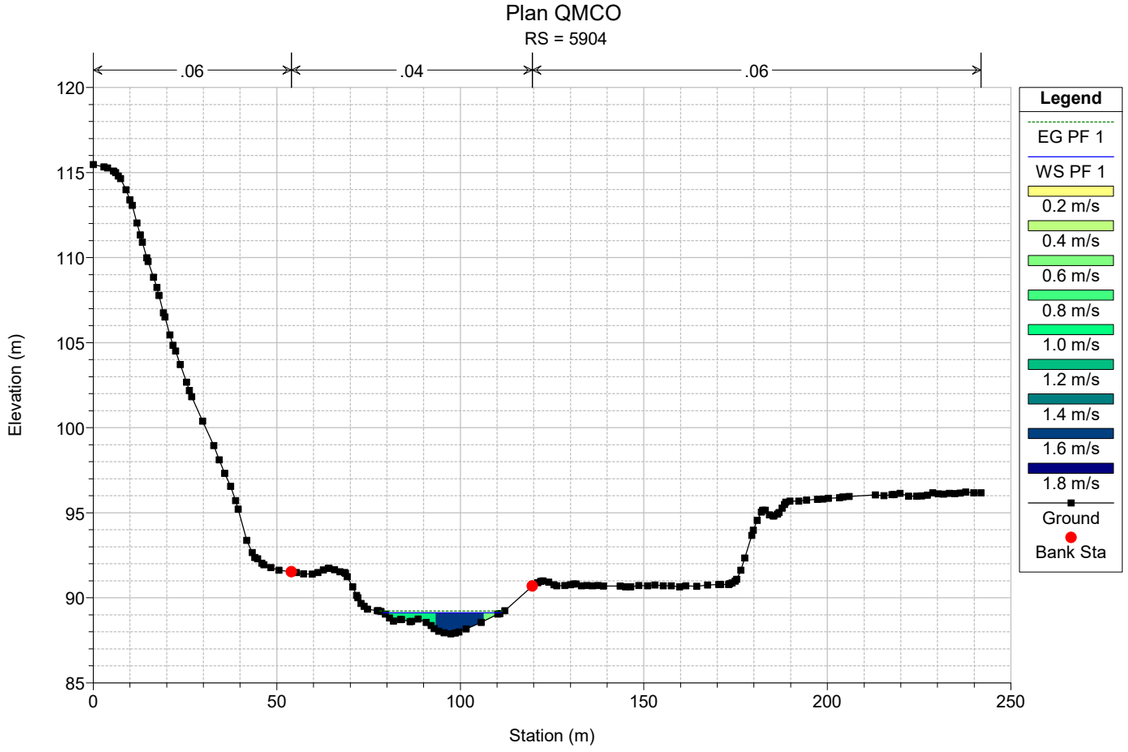

Plan QMCO
RS = 6084
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

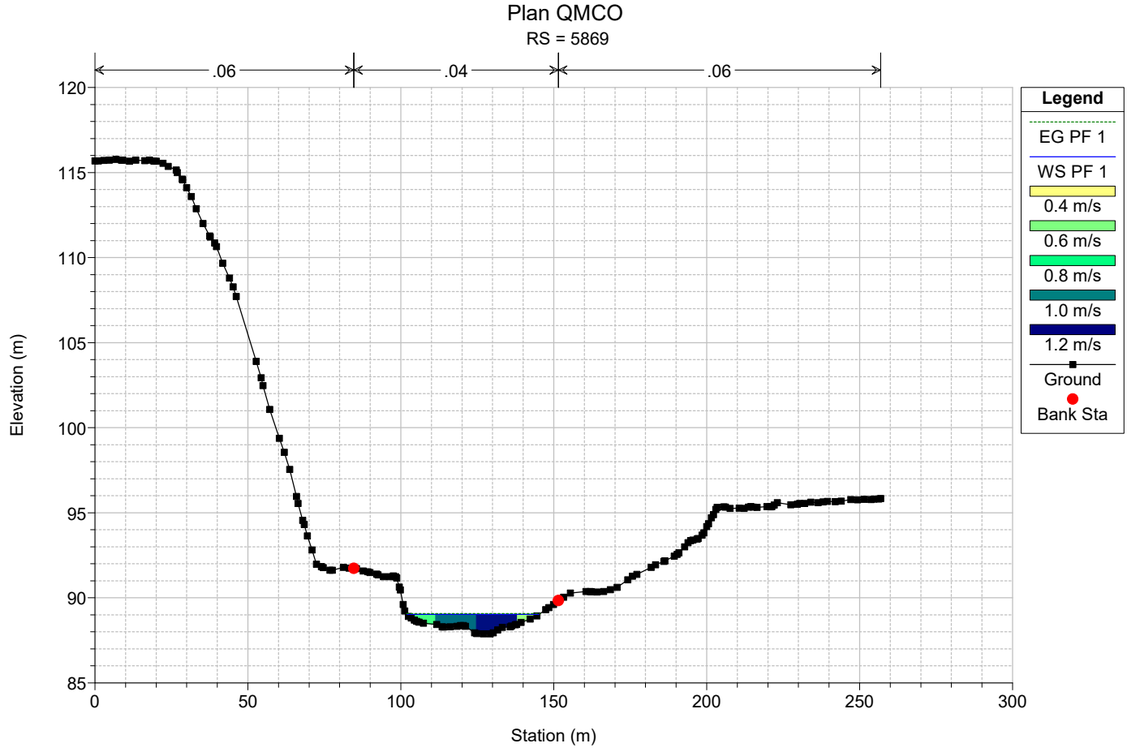

Plan QMCO
RS = 6057
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.7 m/s
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
Ground
Ineff
Bank Sta

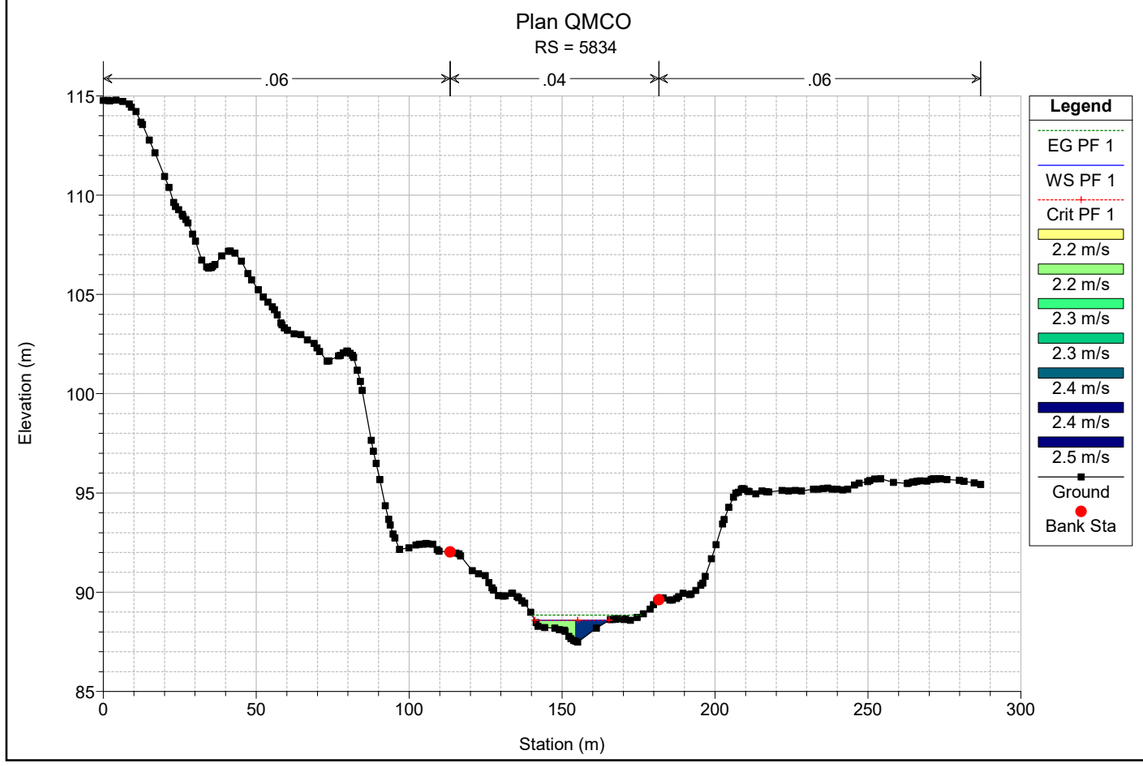

Plan QMCO
RS = 6009
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Ineff
Bank Sta

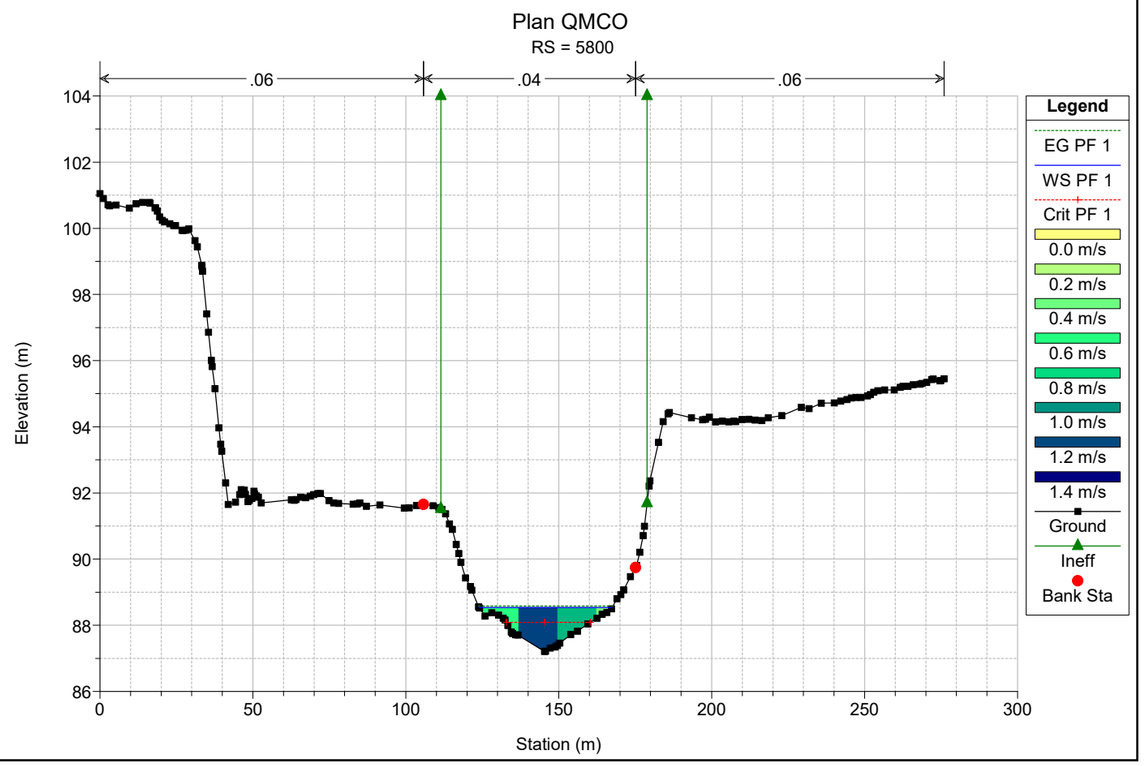

Plan QMCO
RS = 5977
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

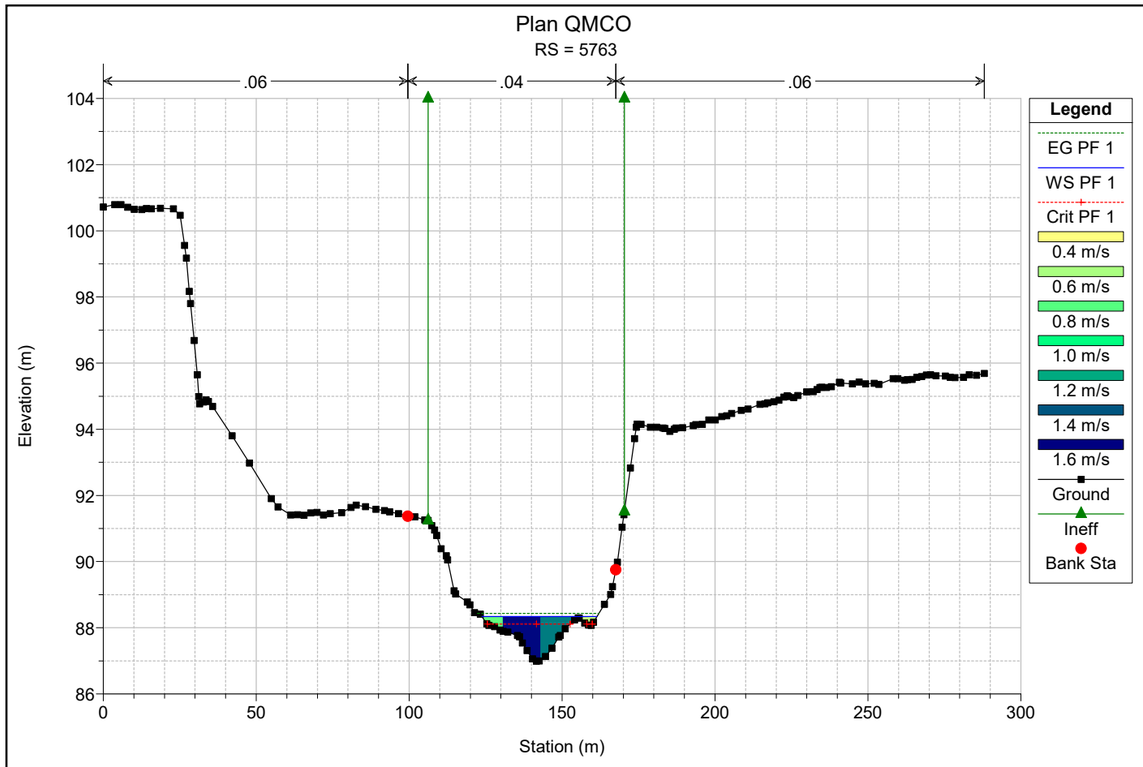

Plan QMCO
RS = 5940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

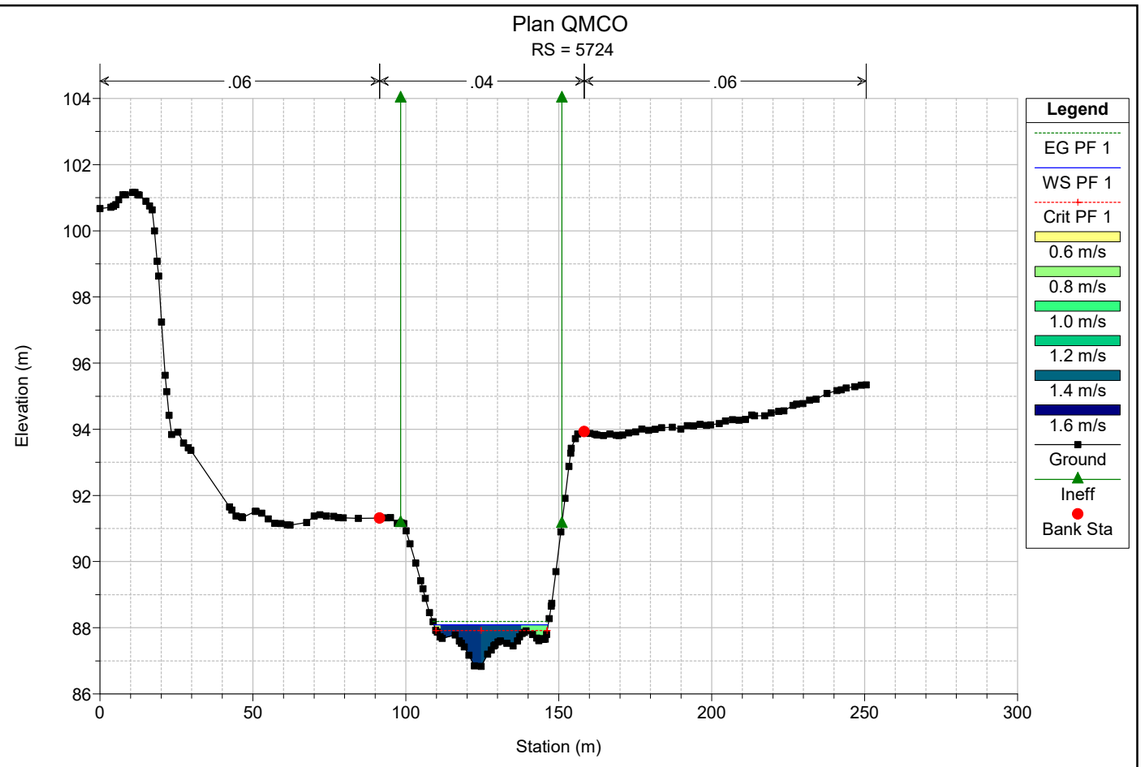

Plan QMCO
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

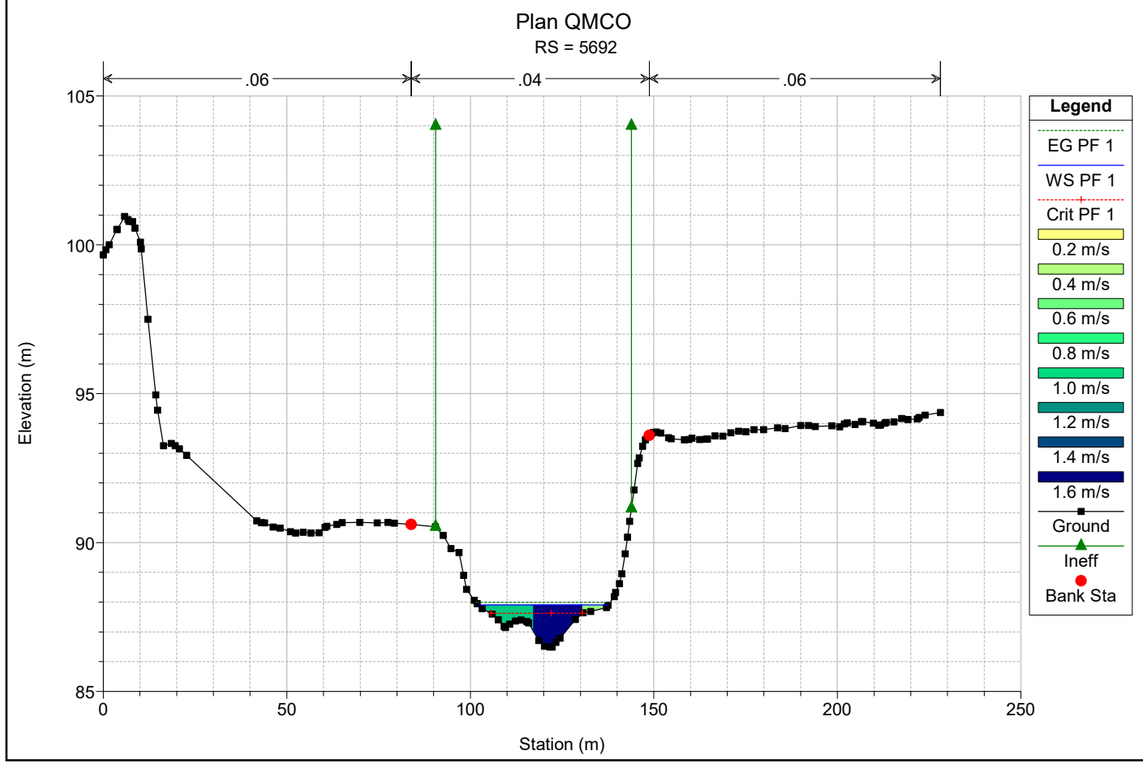

Plan QMCO
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

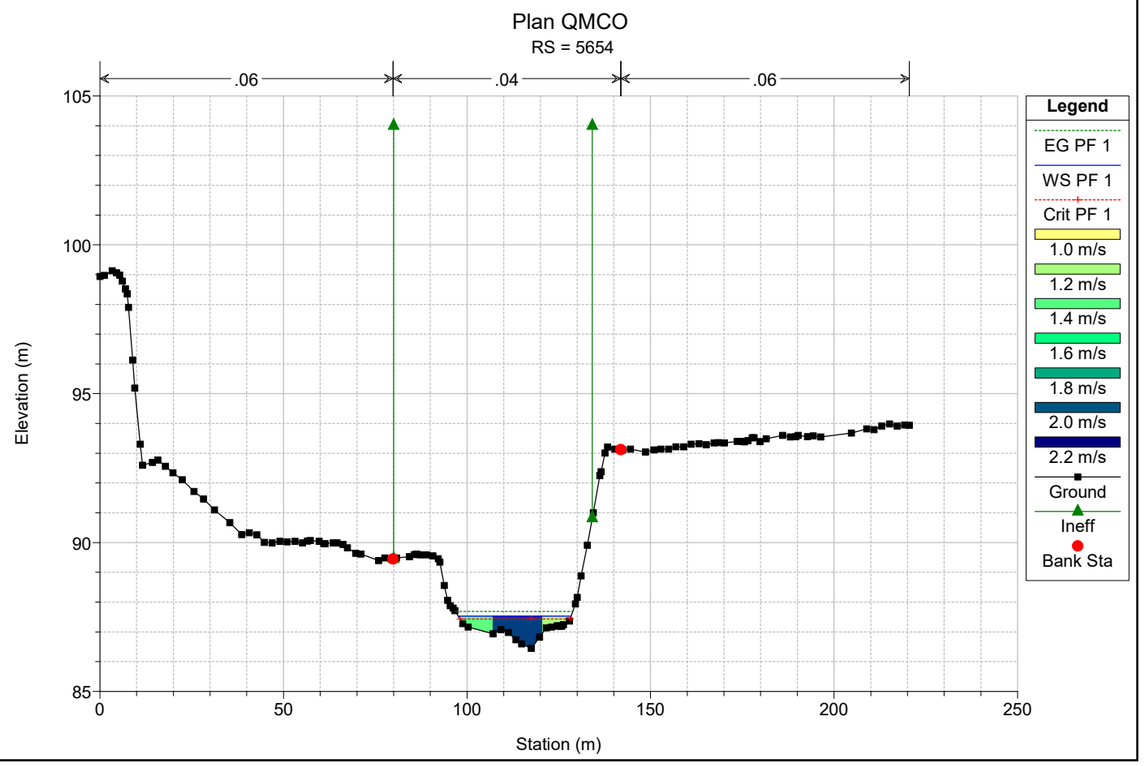

Plan QMCO
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
2.2 m/s
2.2 m/s
2.3 m/s
2.3 m/s
2.4 m/s
2.4 m/s
2.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

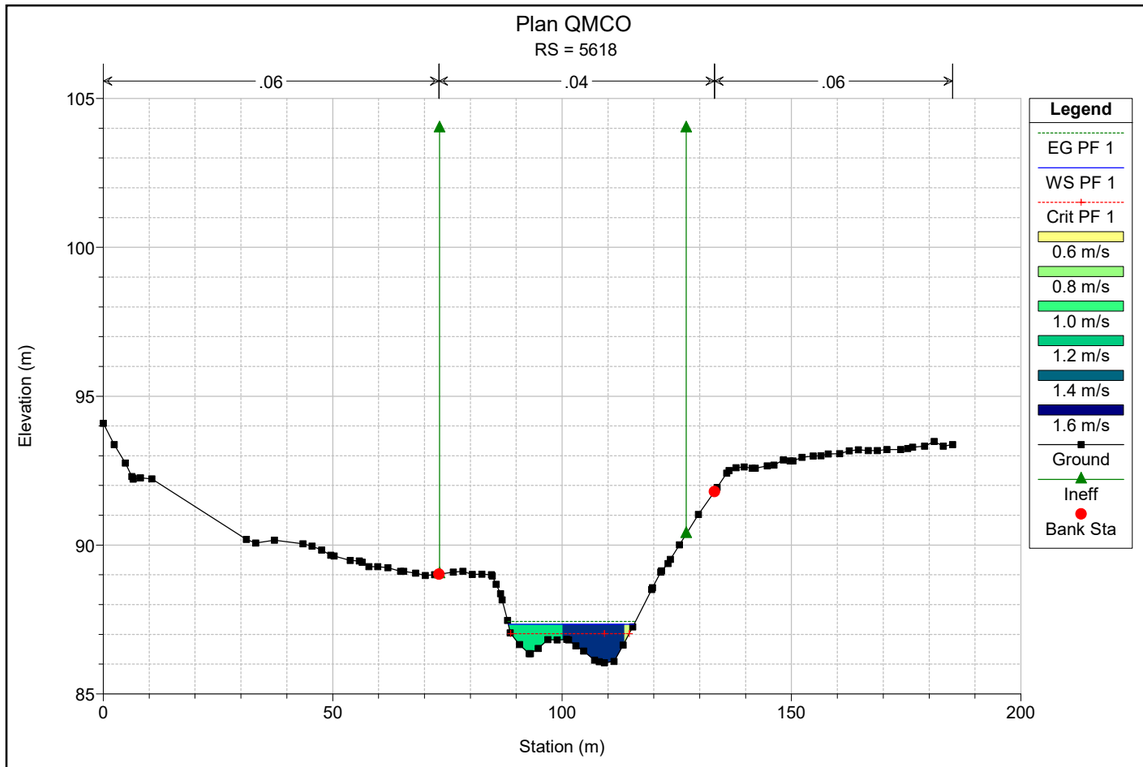

Plan QMCO
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

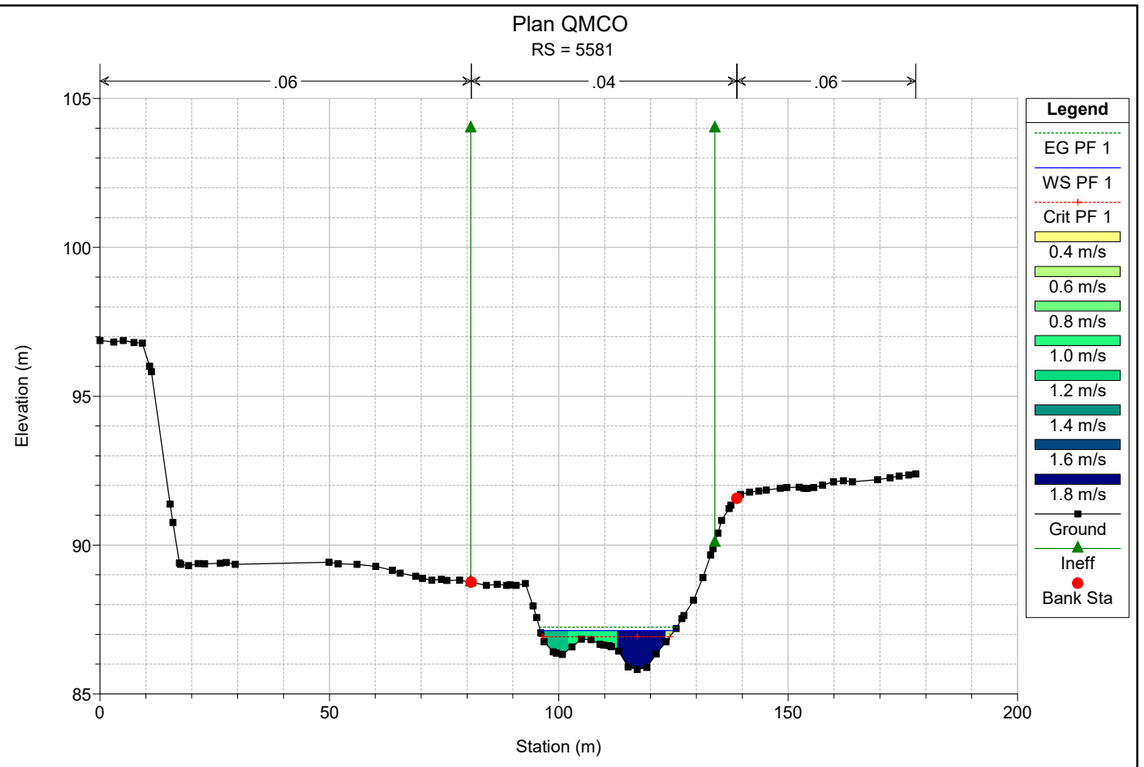

Plan QMCO
RS = 5763
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

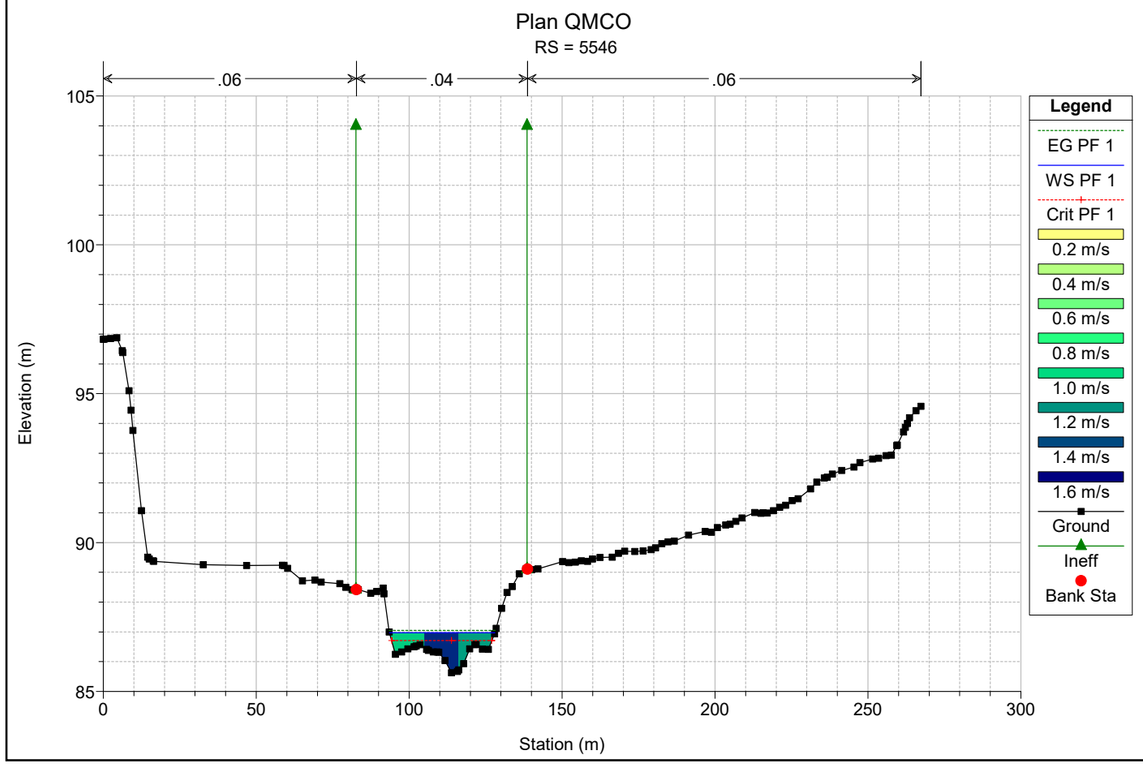

Plan QMCO
RS = 5724
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

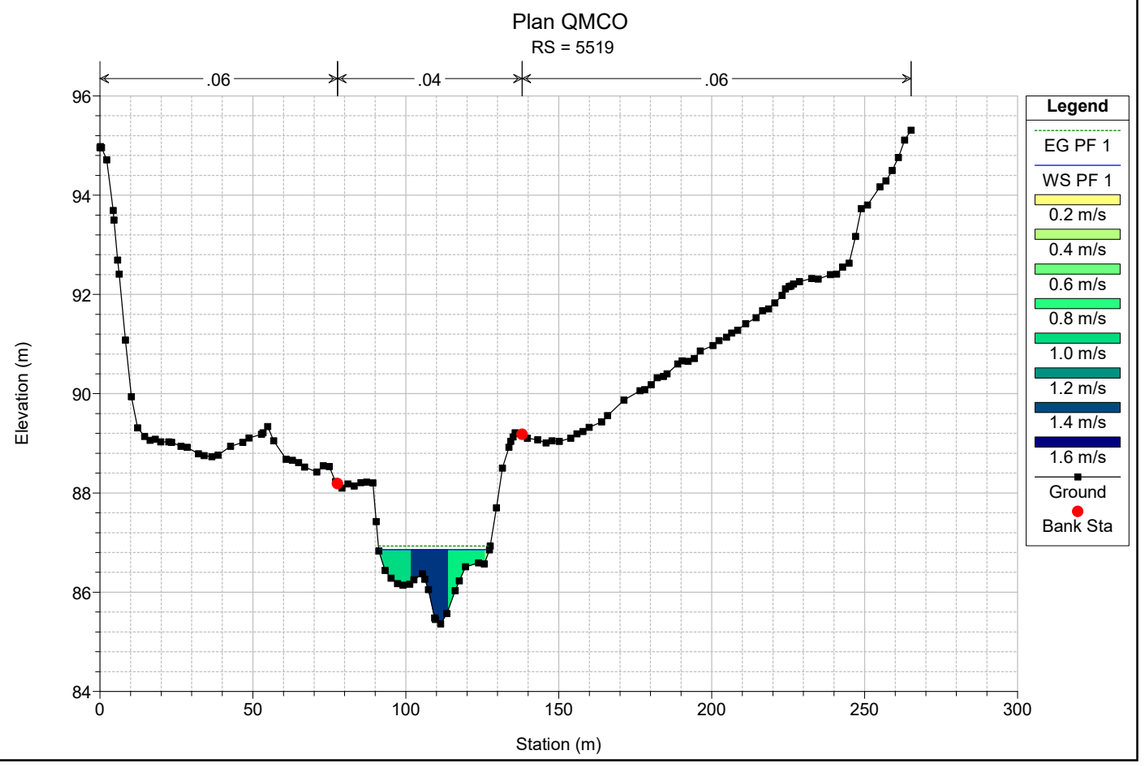

Plan QMCO
RS = 5692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

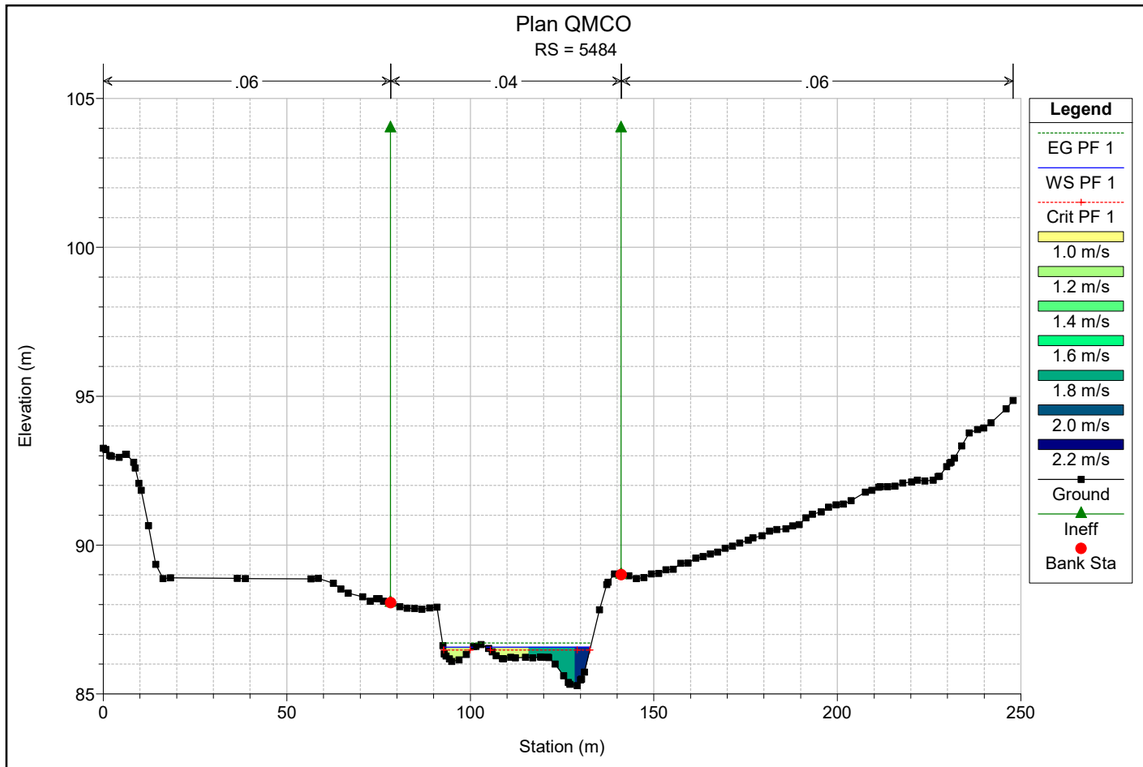

Plan QMCO
RS = 5654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

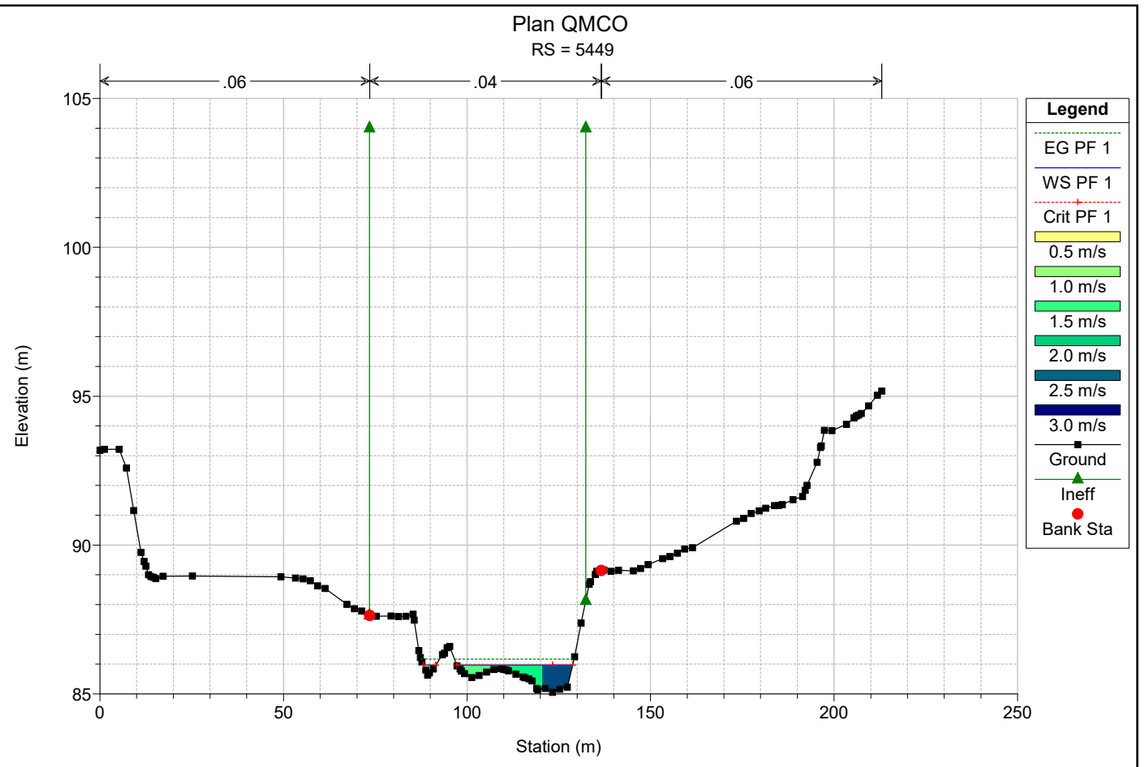

Plan QMCO
RS = 5618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

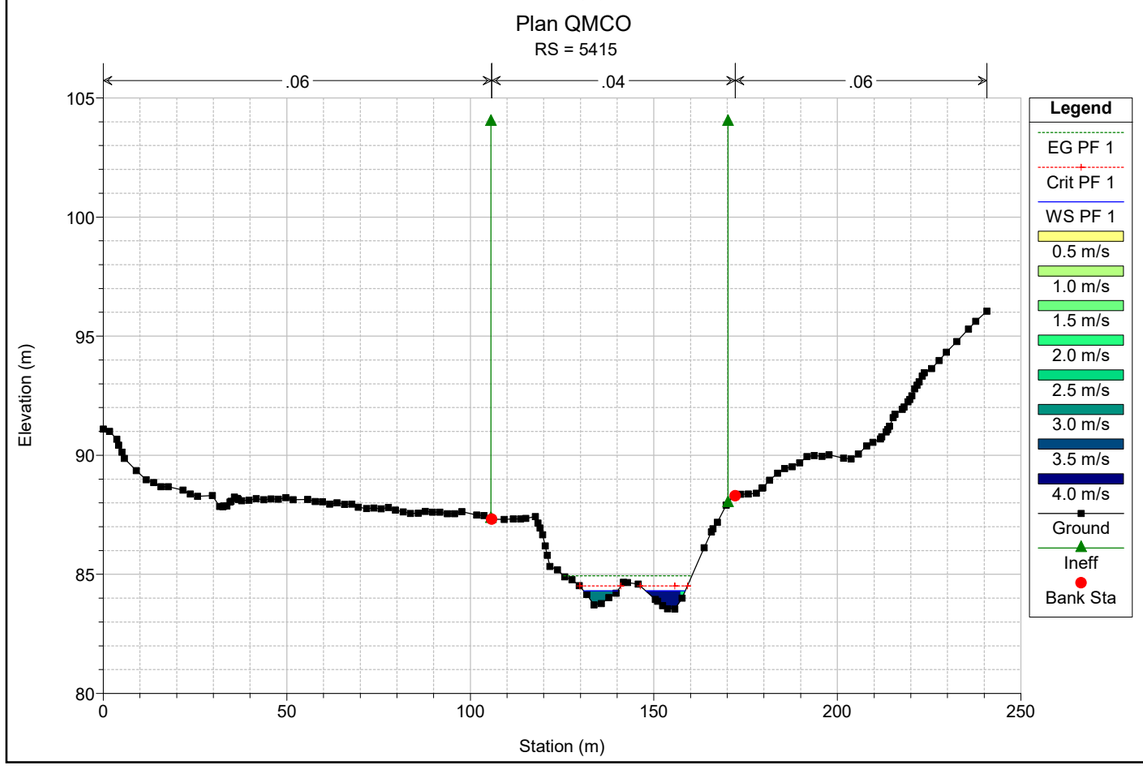

Plan QMCO
RS = 5581
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

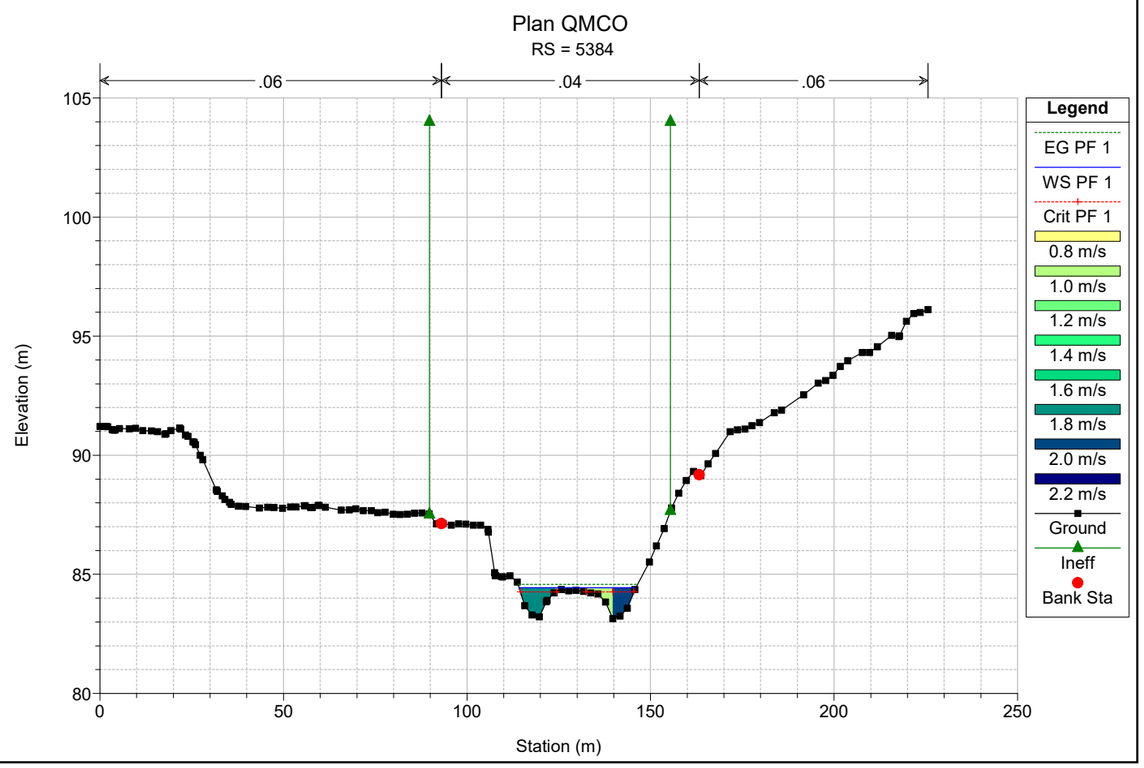

Plan QMCO
RS = 5546
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

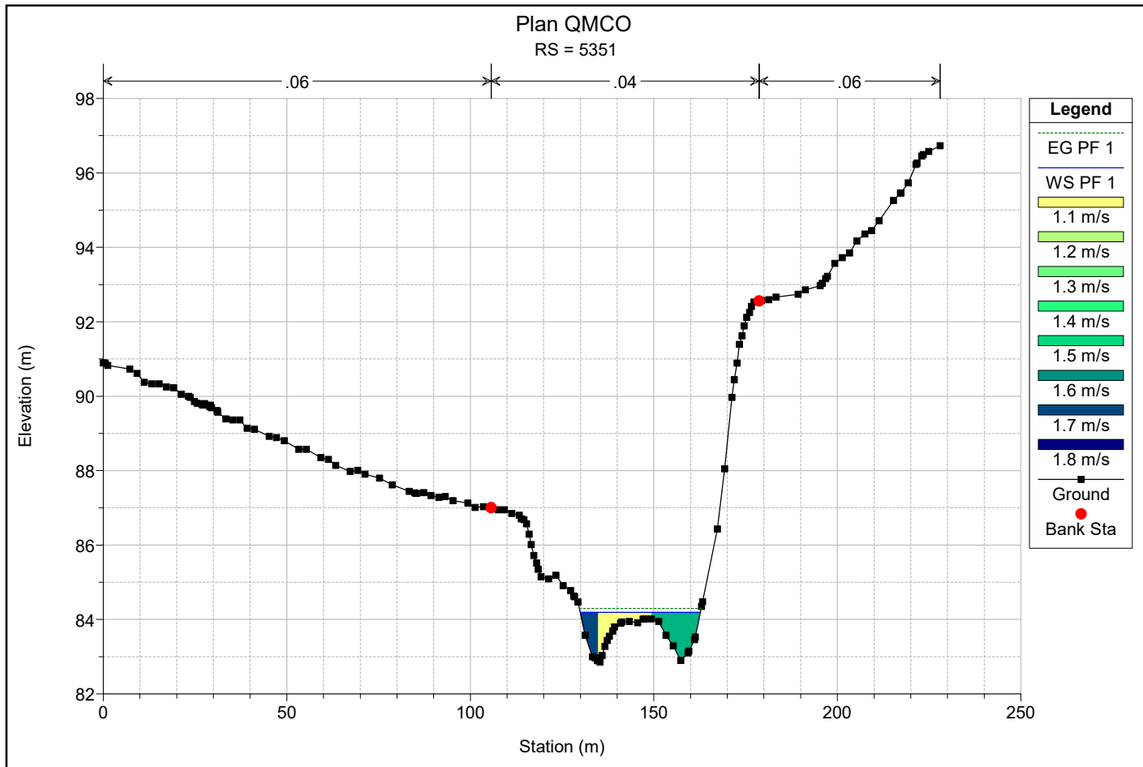

Plan QMCO
RS = 5519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

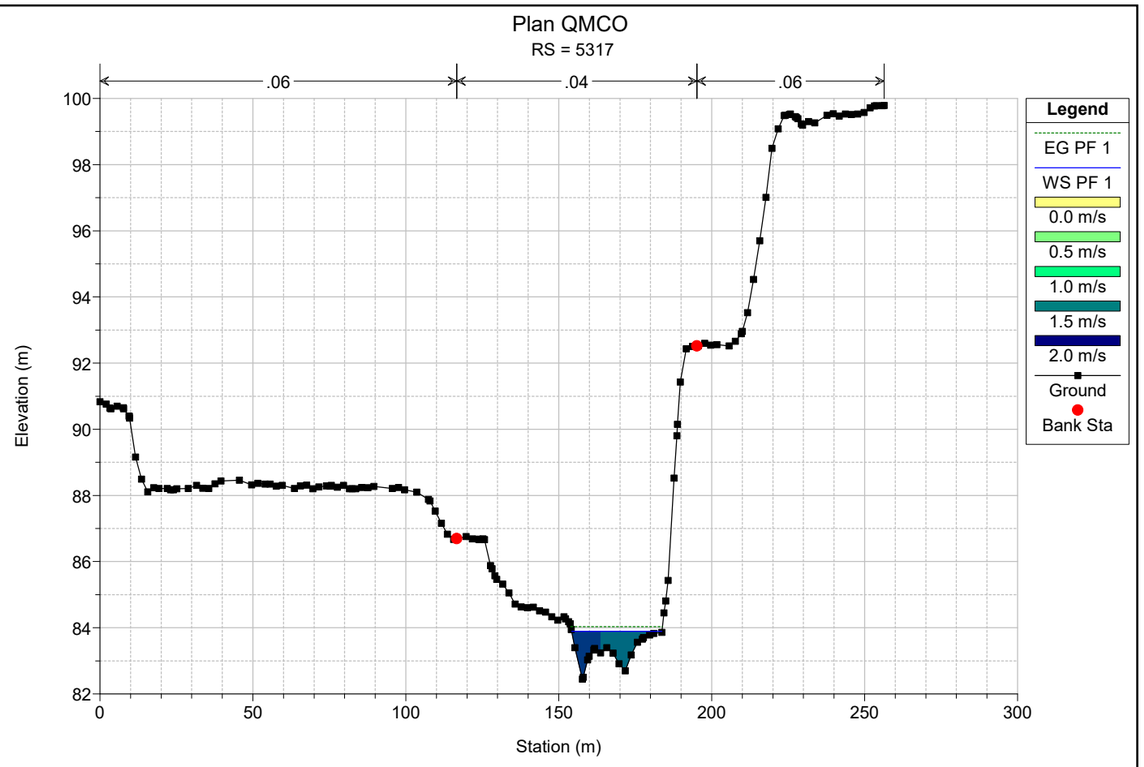

Plan QMCO
RS = 5484
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

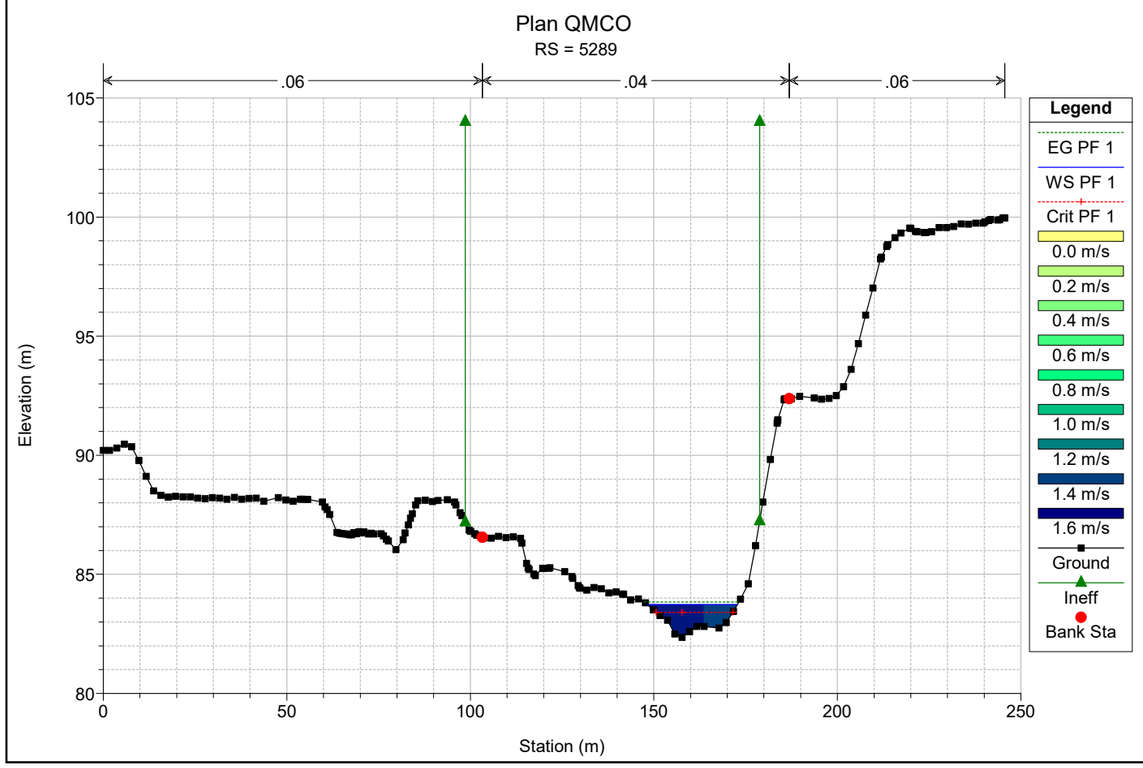

Plan QMCO
RS = 5449
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

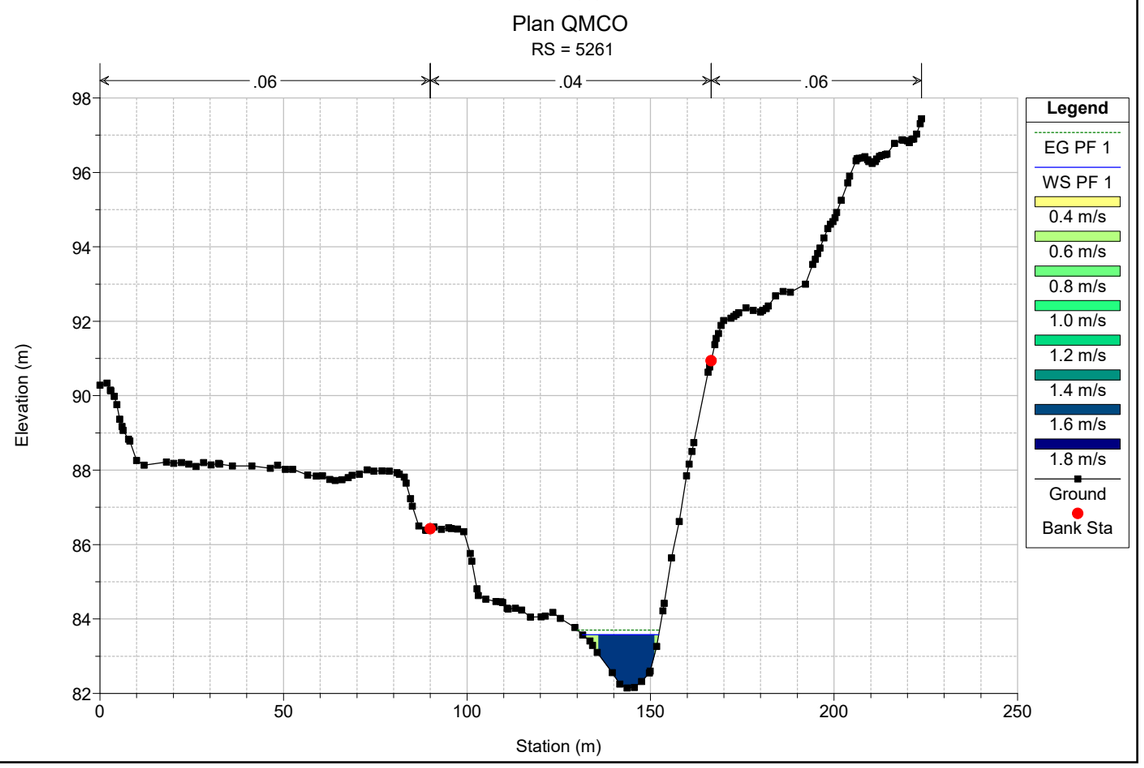

Plan QMCO
RS = 5415
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

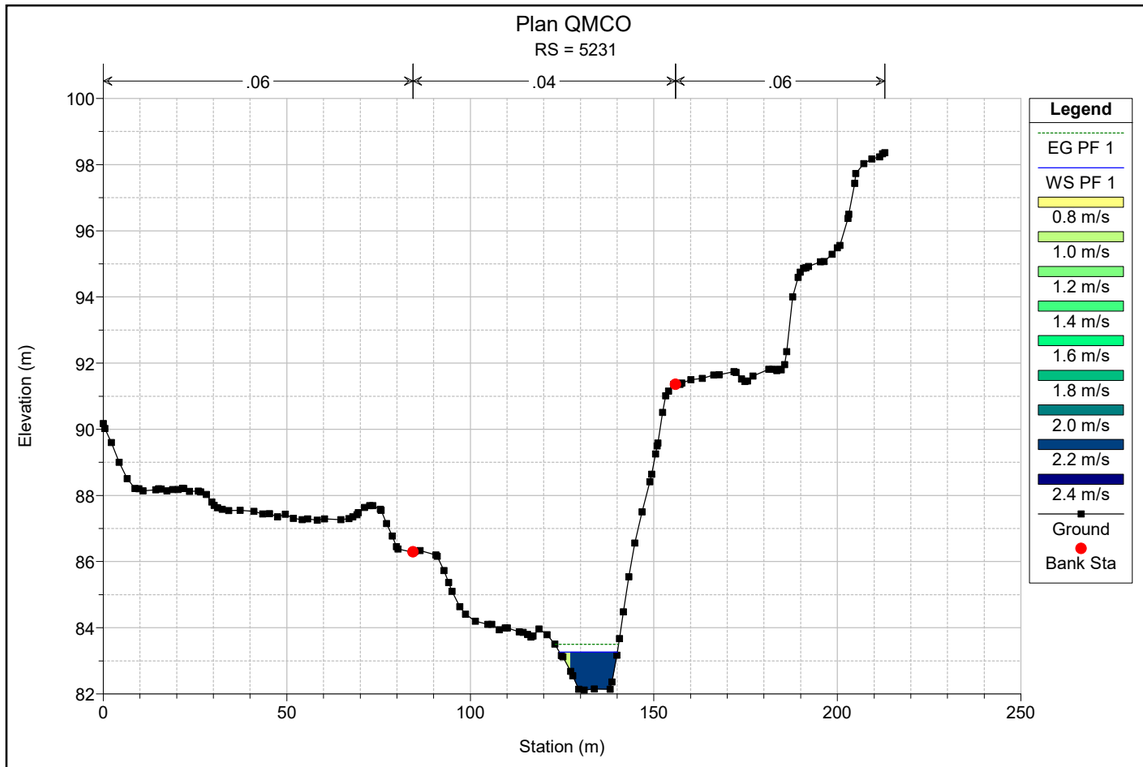

Plan QMCO
RS = 5384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

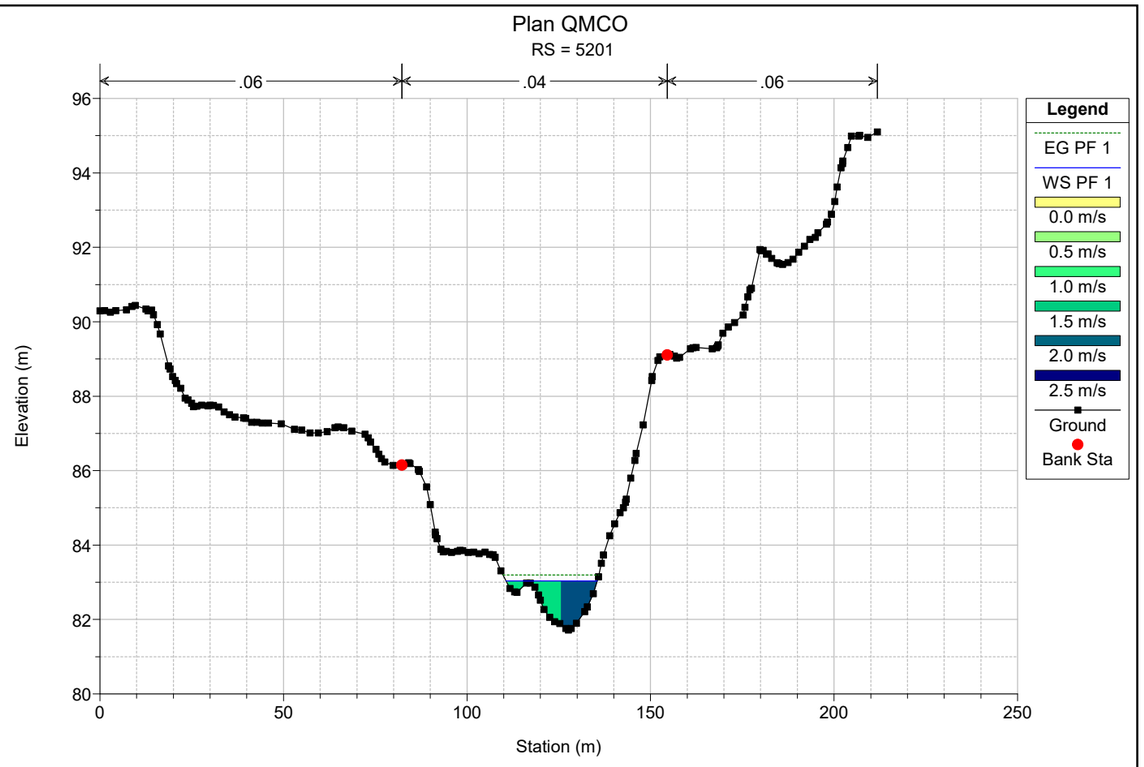

Plan QMCO
RS = 5351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
1.6 m/s
1.7 m/s
1.8 m/s
Ground
Bank Sta

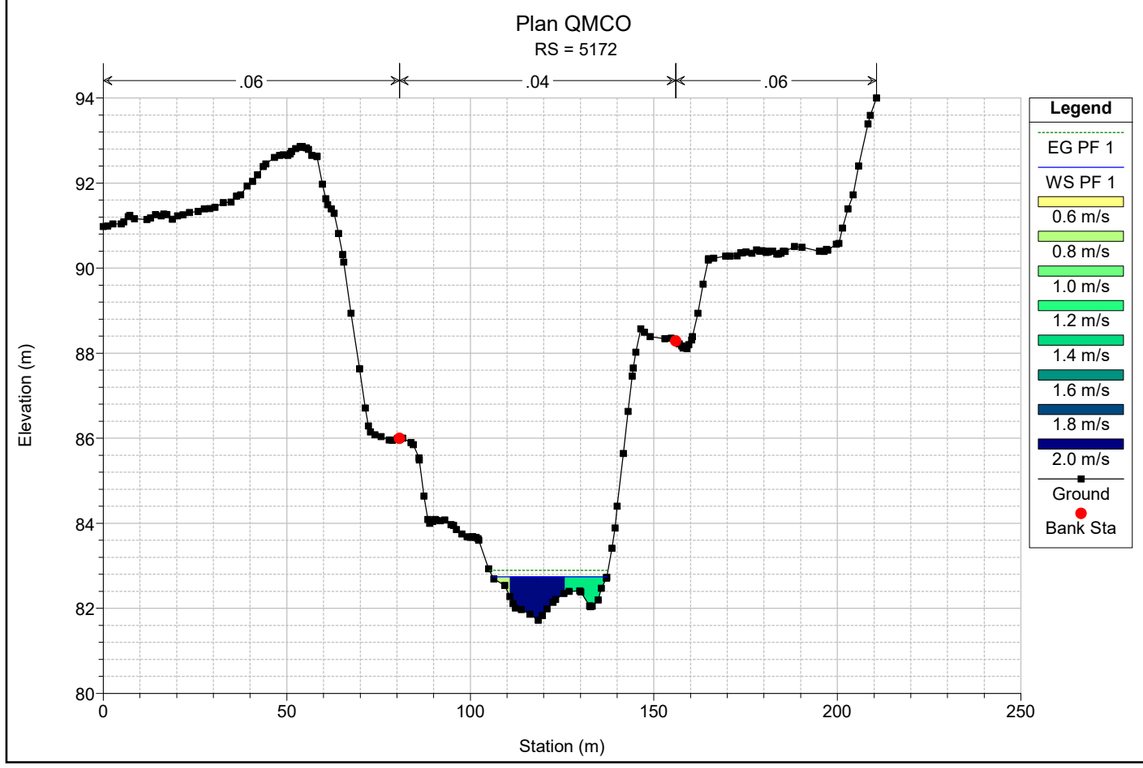

Plan QMCO
RS = 5317
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

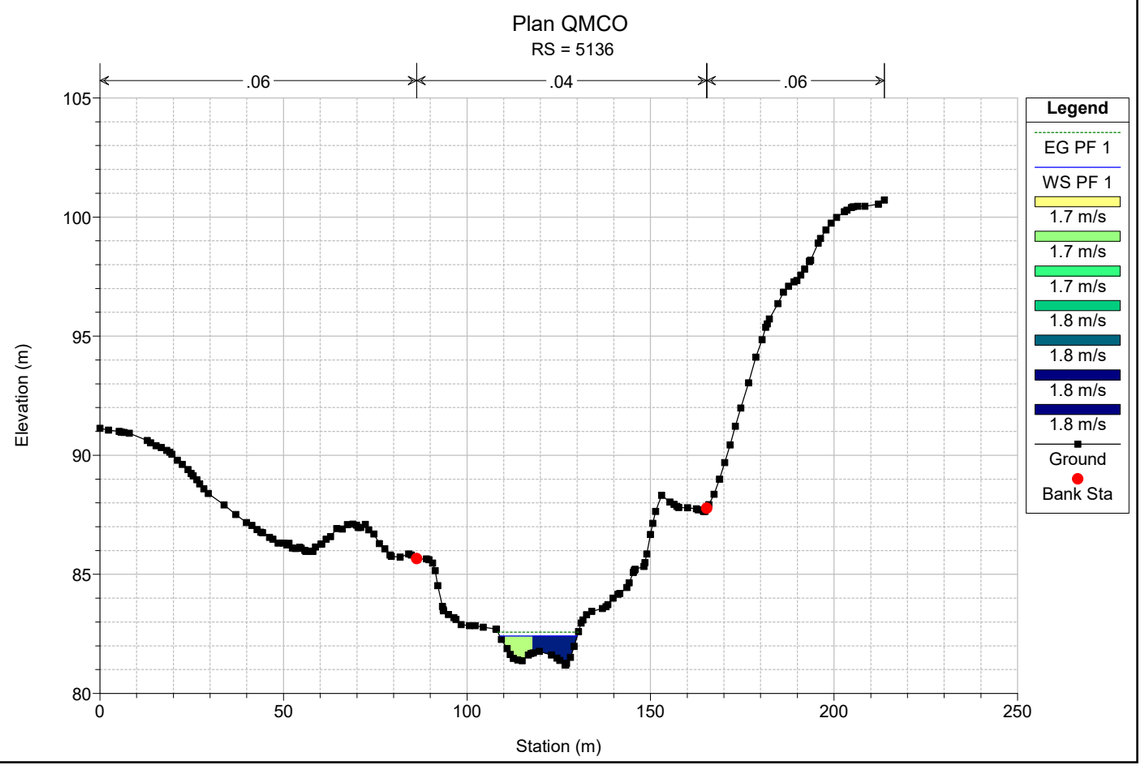

Plan QMCO
RS = 5289
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

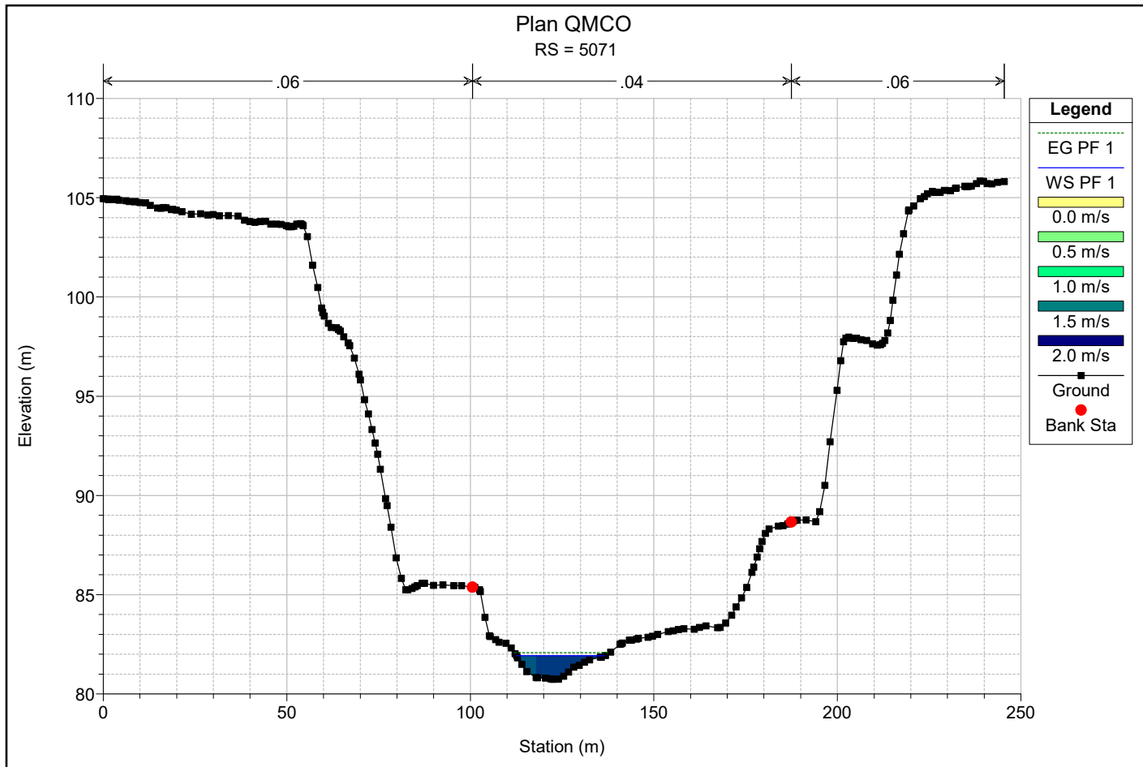

Plan QMCO
RS = 5261
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

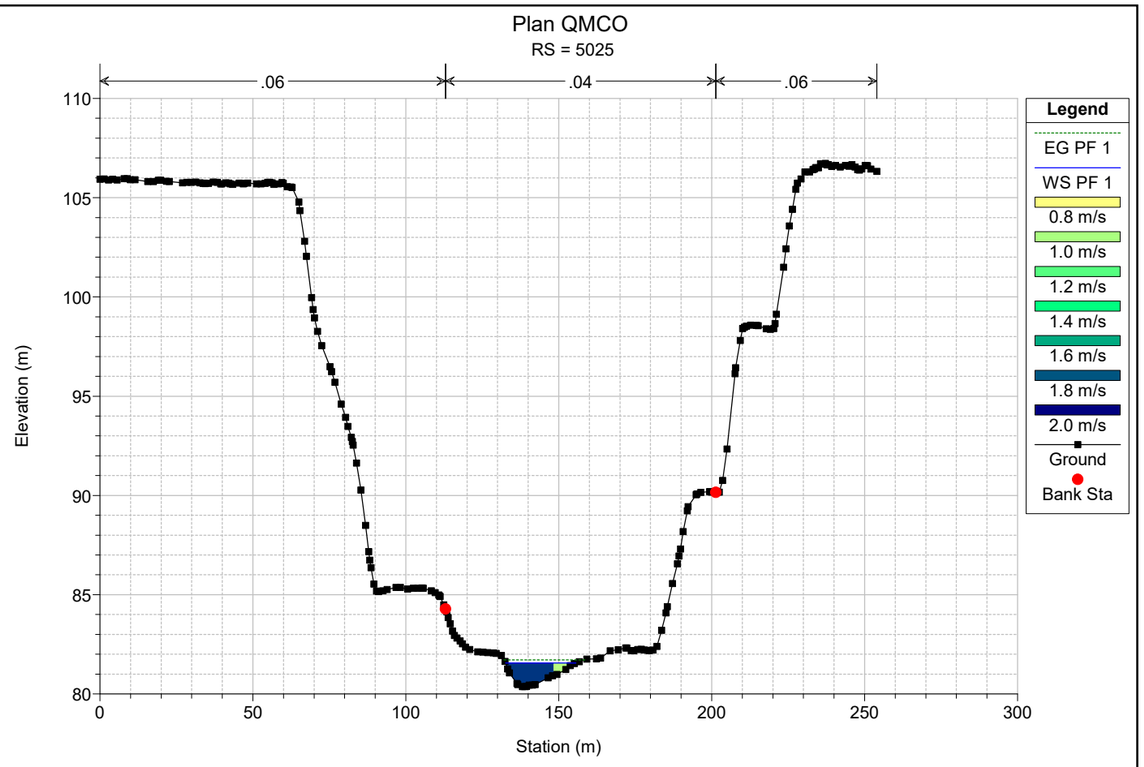

Plan QMCO
RS = 5231
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Bank Sta

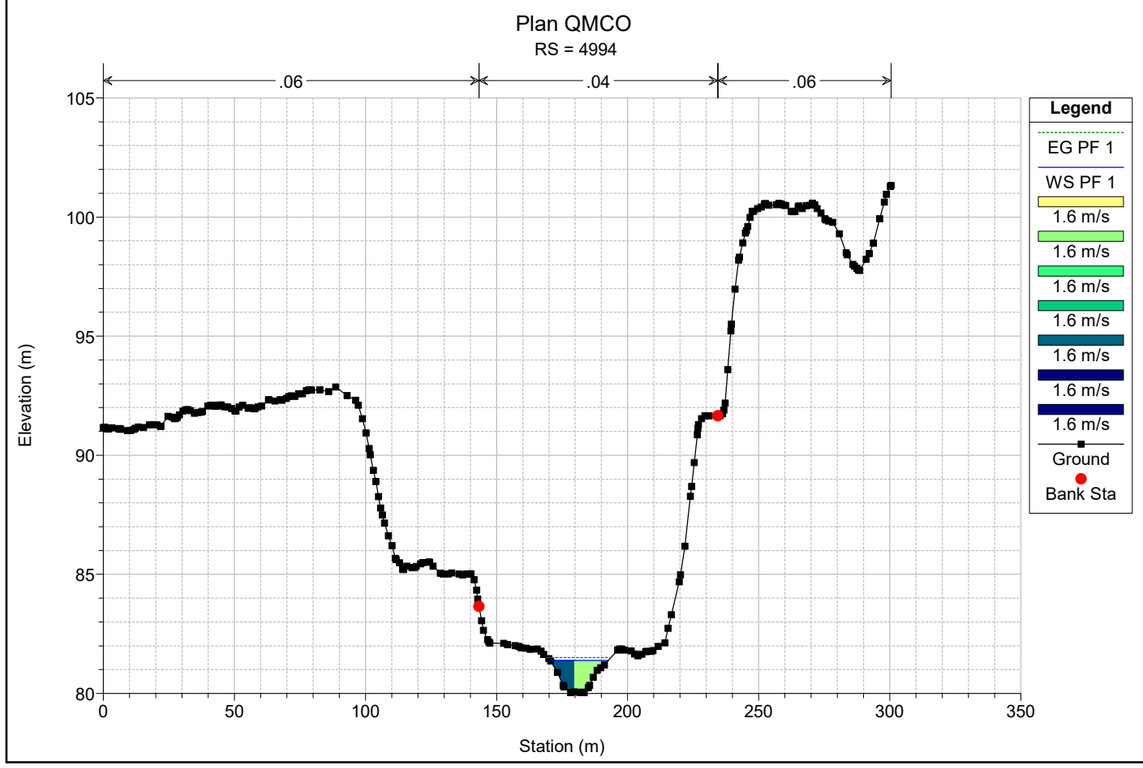

Plan QMCO
RS = 5201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

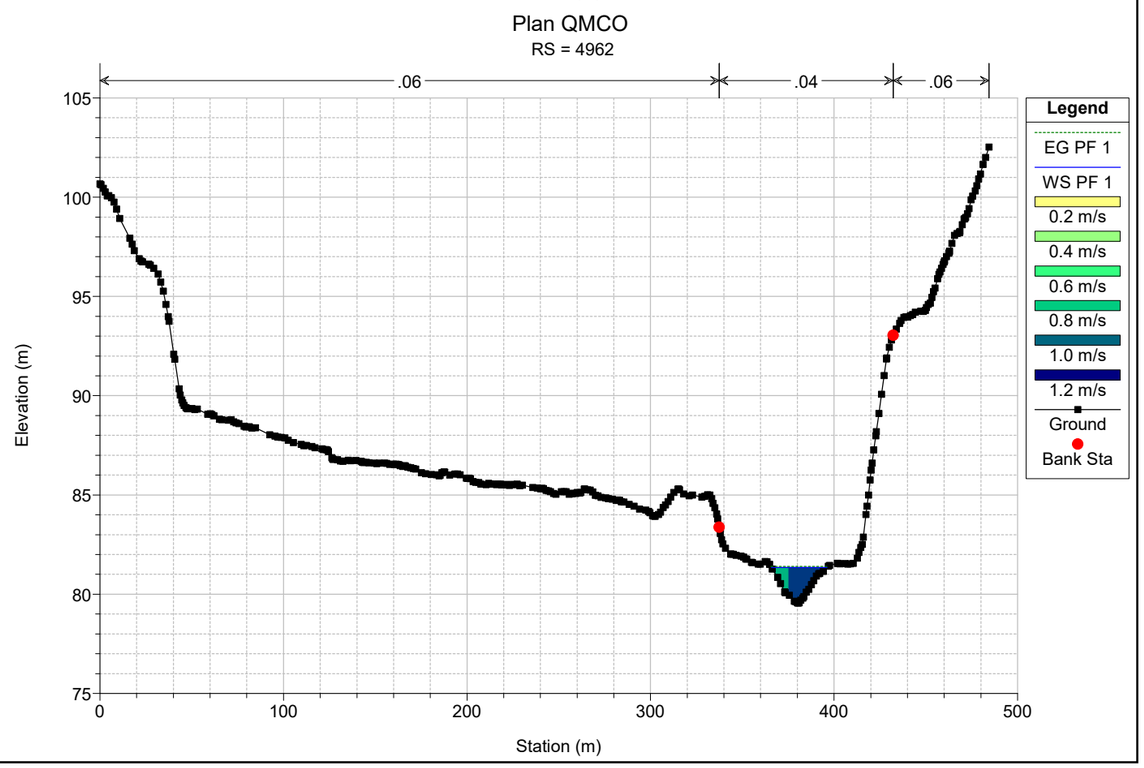

Plan QMCO
RS = 5172
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

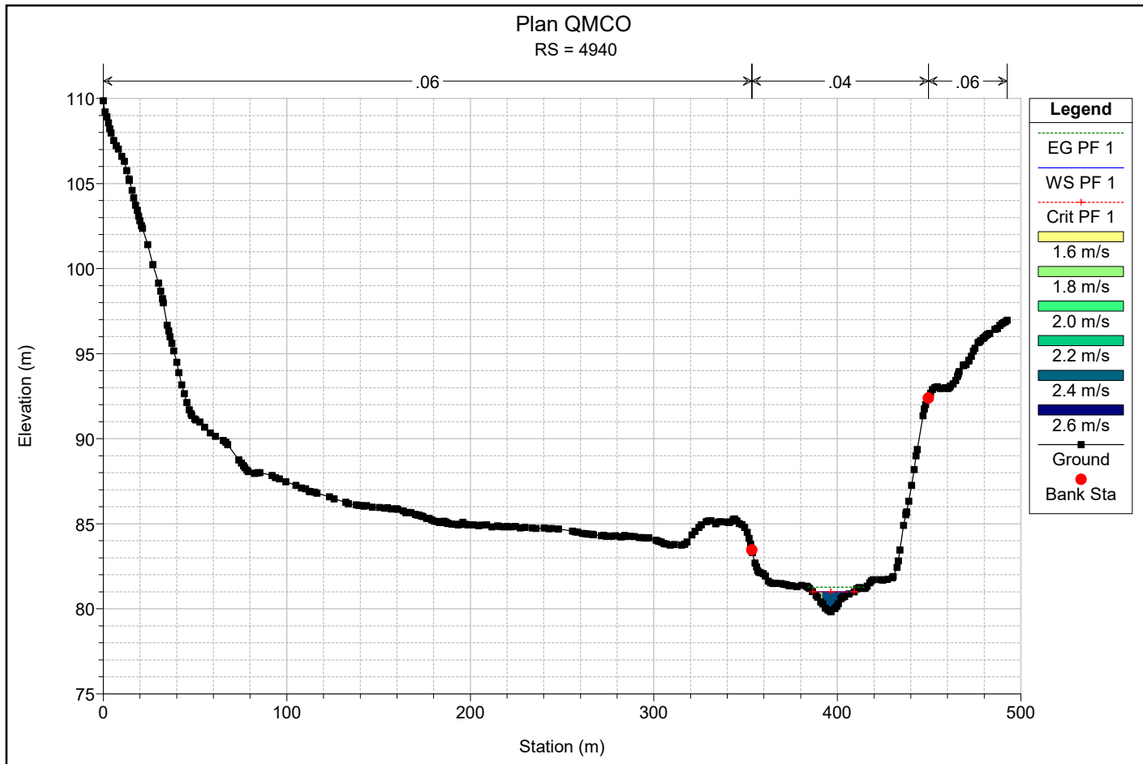

Plan QMCO
RS = 5136
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.7 m/s
1.7 m/s
1.7 m/s
1.8 m/s
1.8 m/s
1.8 m/s
1.8 m/s
Ground
Bank Sta

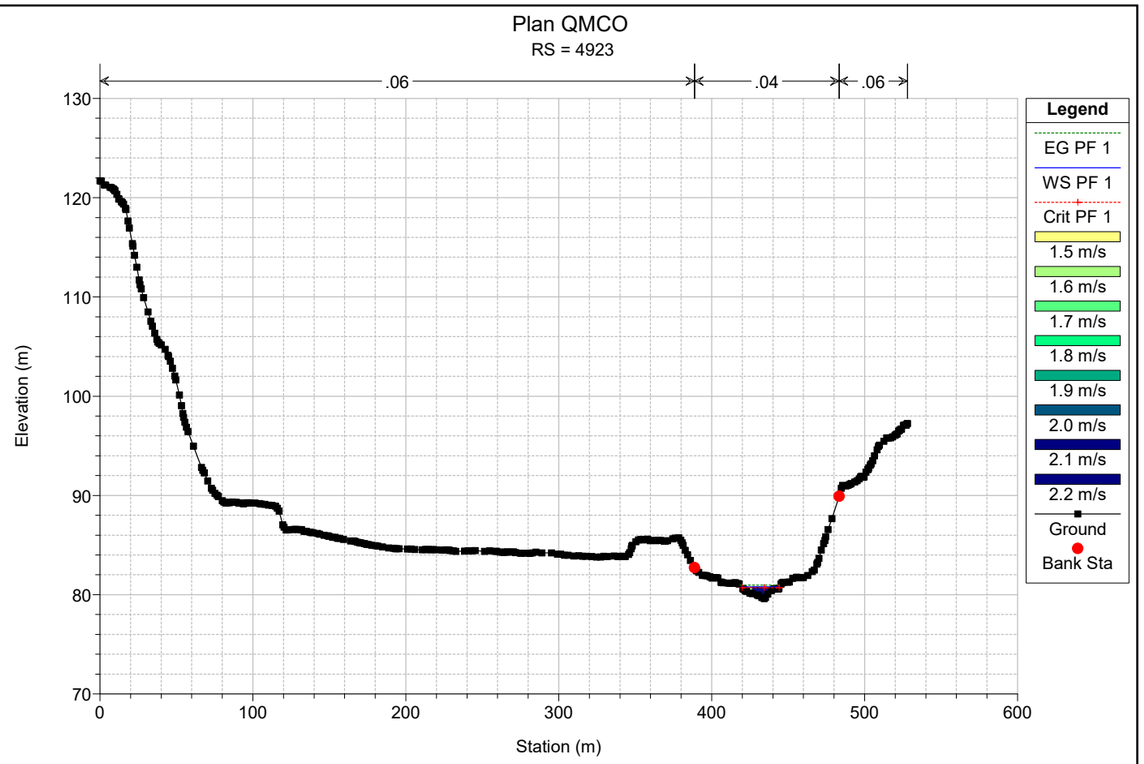

Plan QMCO
RS = 5071
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

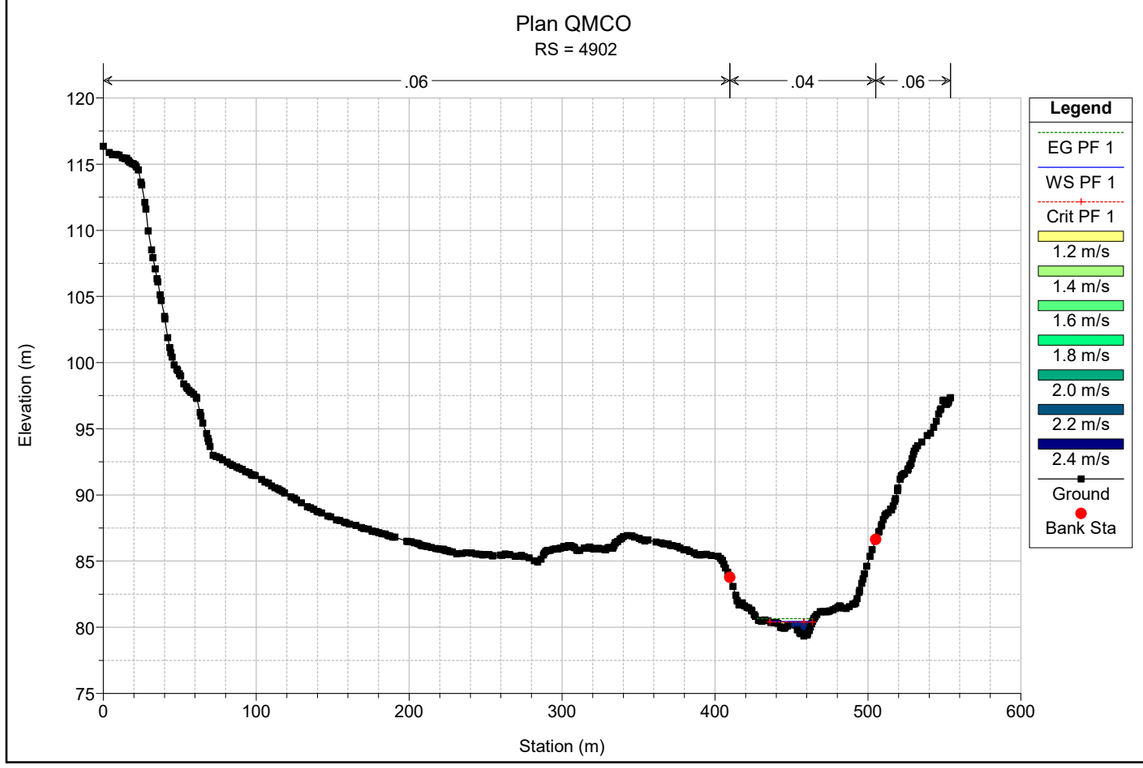

Plan QMCO
RS = 5025
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

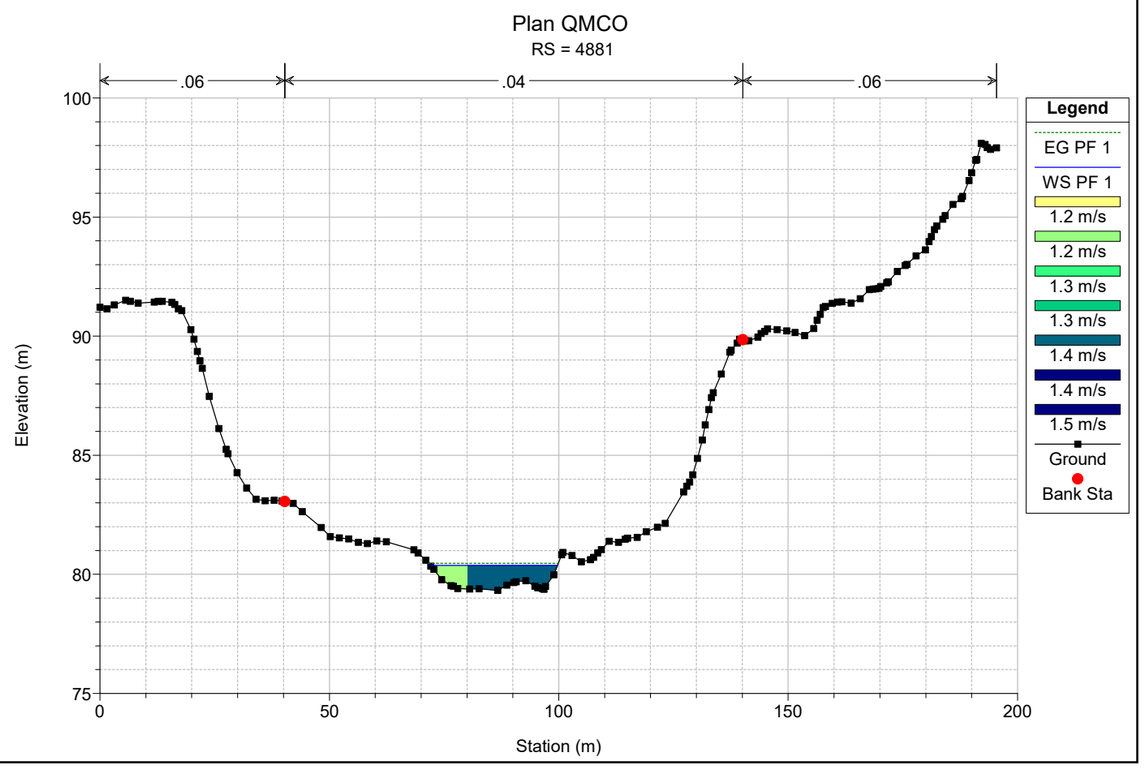

Plan QMCO
RS = 4994
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.6 m/s
1.6 m/s
1.6 m/s
1.6 m/s
1.6 m/s
1.6 m/s
1.6 m/s
Ground
Bank Sta

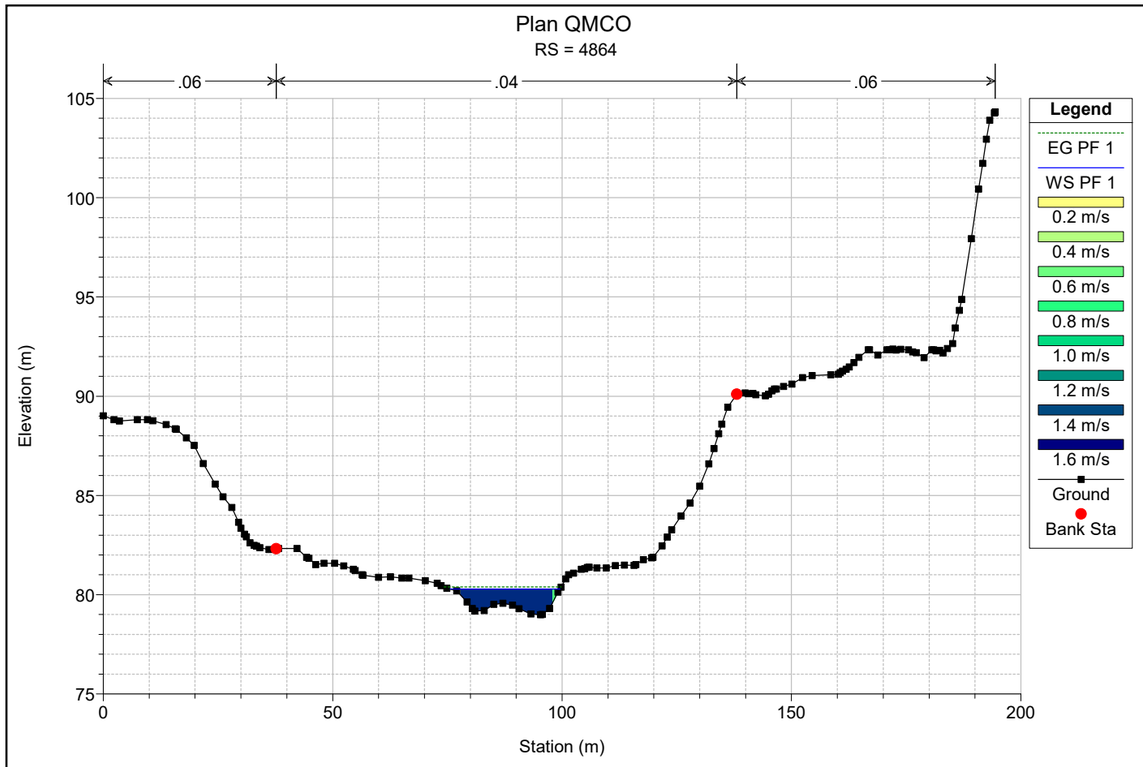

Plan QMCO
RS = 4962
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Bank Sta

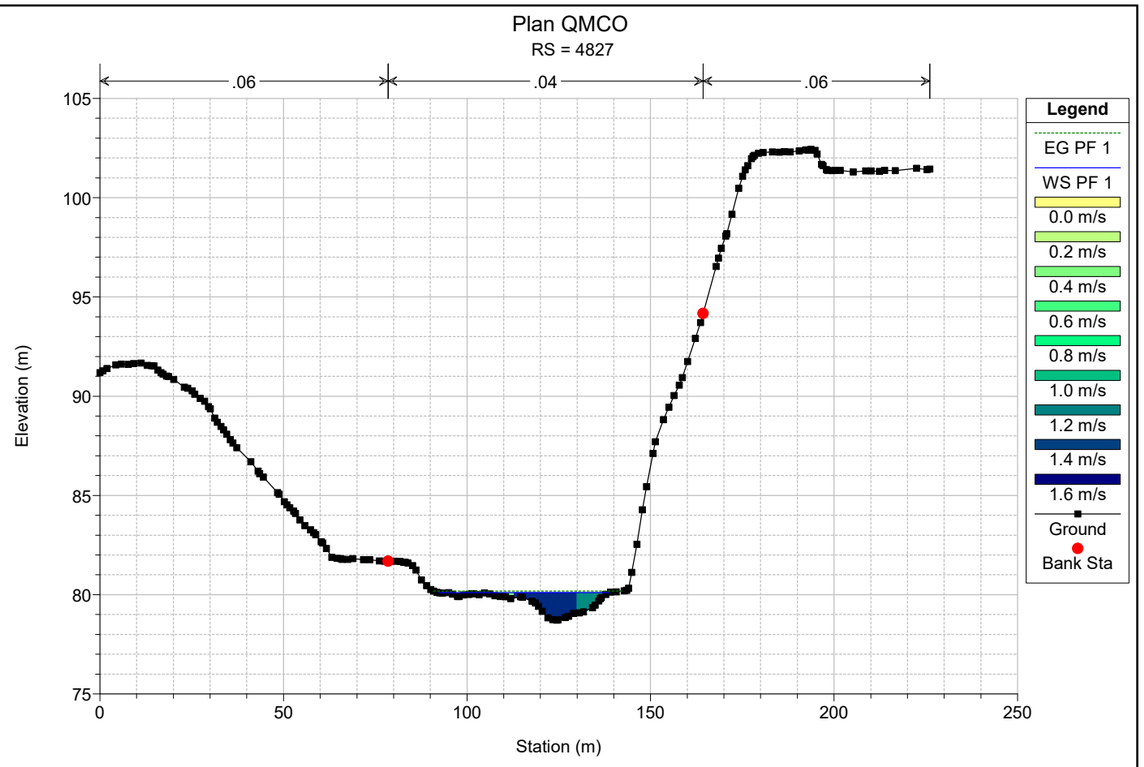

Plan QMCO
RS = 4940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Bank Sta

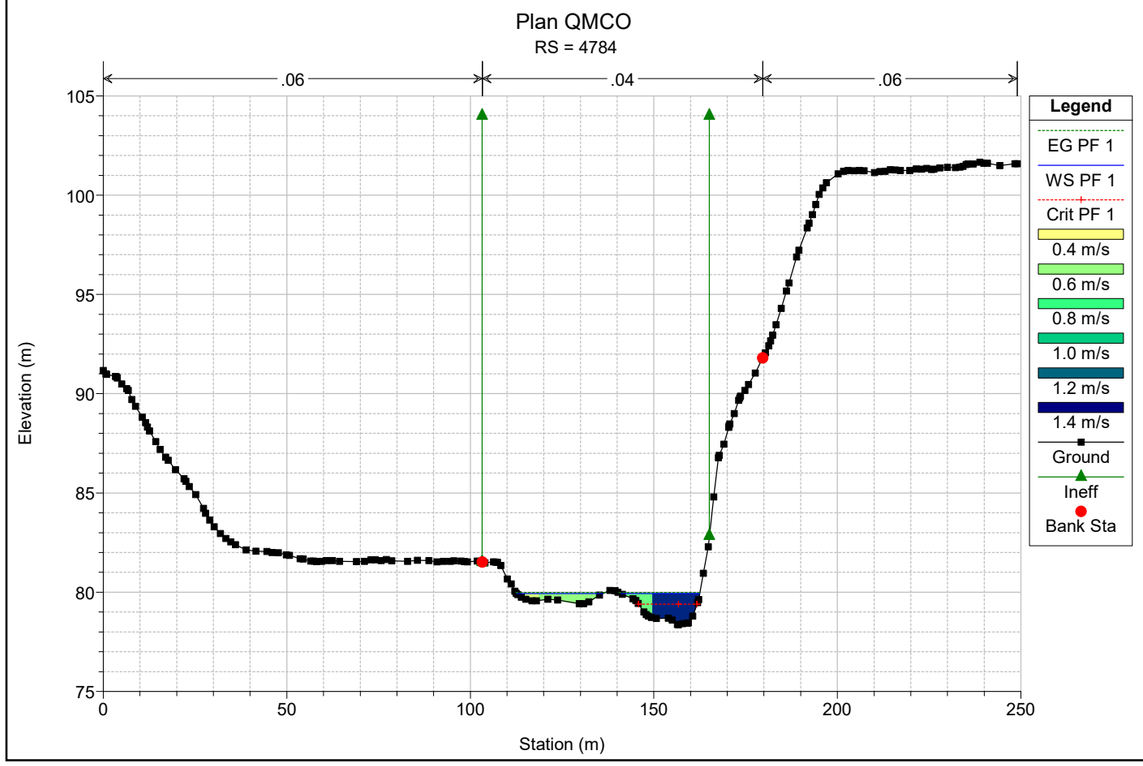

Plan QMCO
RS = 4923
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
1.6 m/s
1.7 m/s
1.8 m/s
1.9 m/s
2.0 m/s
2.1 m/s
2.2 m/s
Ground
Bank Sta

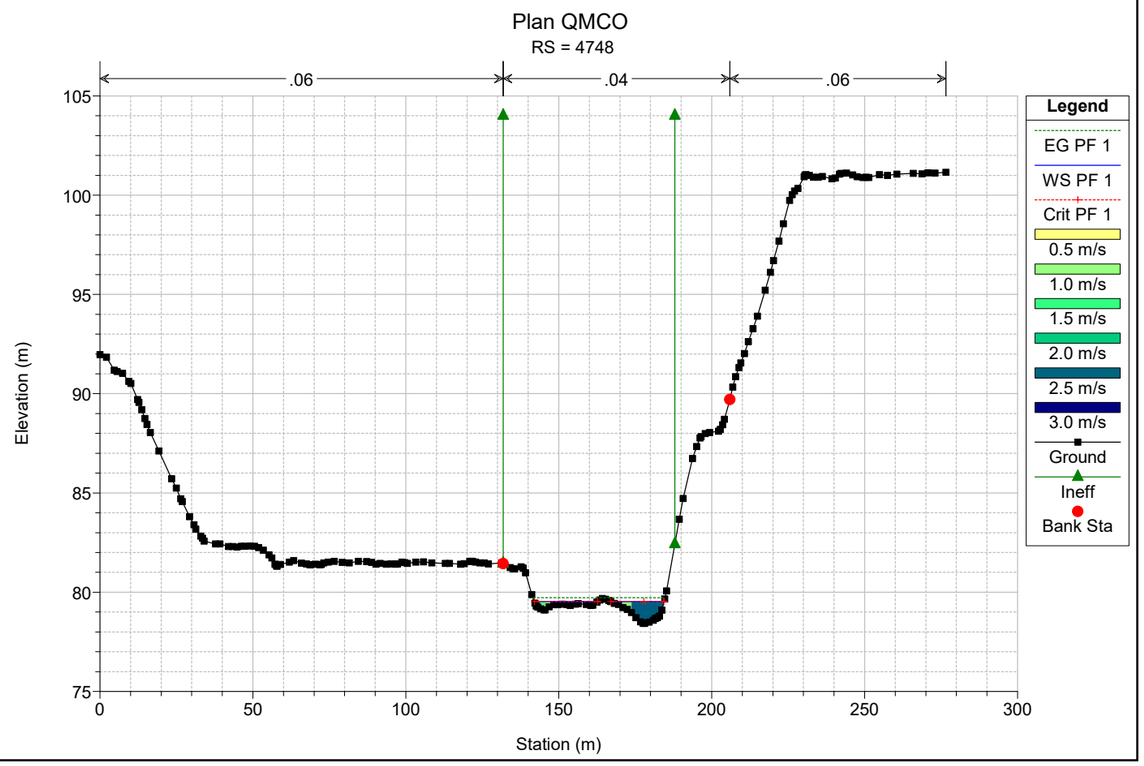

Plan QMCO
RS = 4902
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Bank Sta

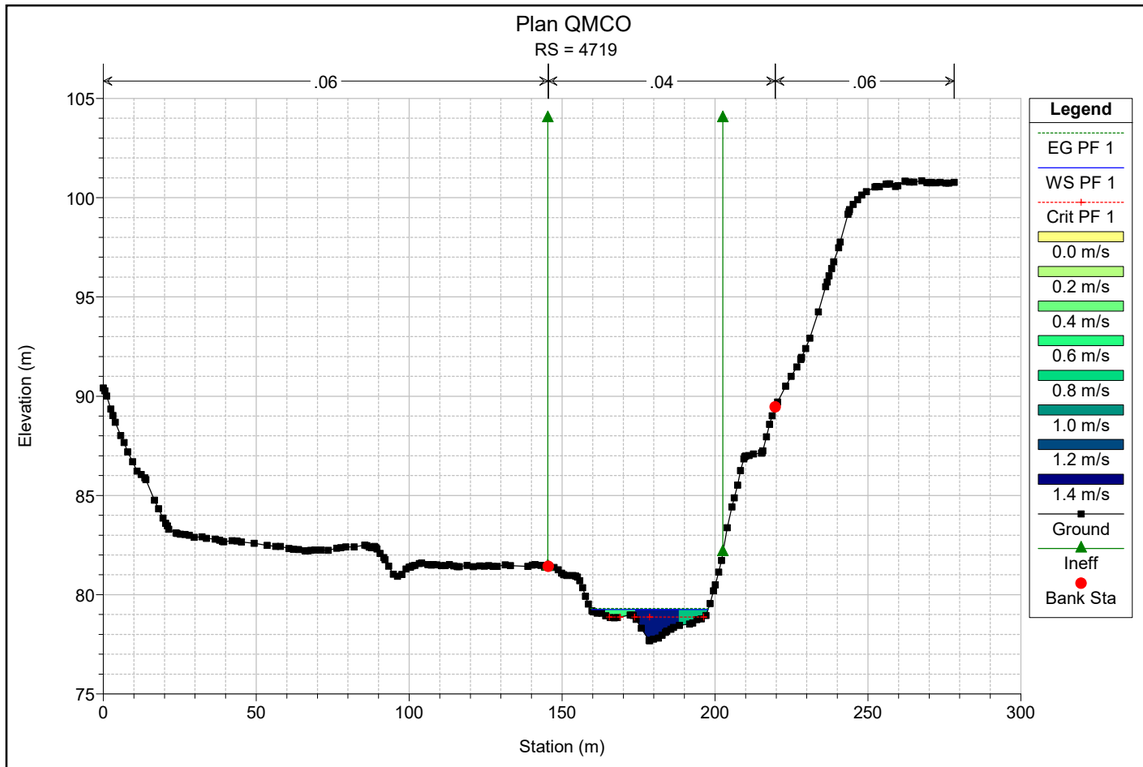

Plan QMCO
RS = 4881
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.2 m/s
1.3 m/s
1.3 m/s
1.4 m/s
1.4 m/s
1.5 m/s
Ground
Bank Sta

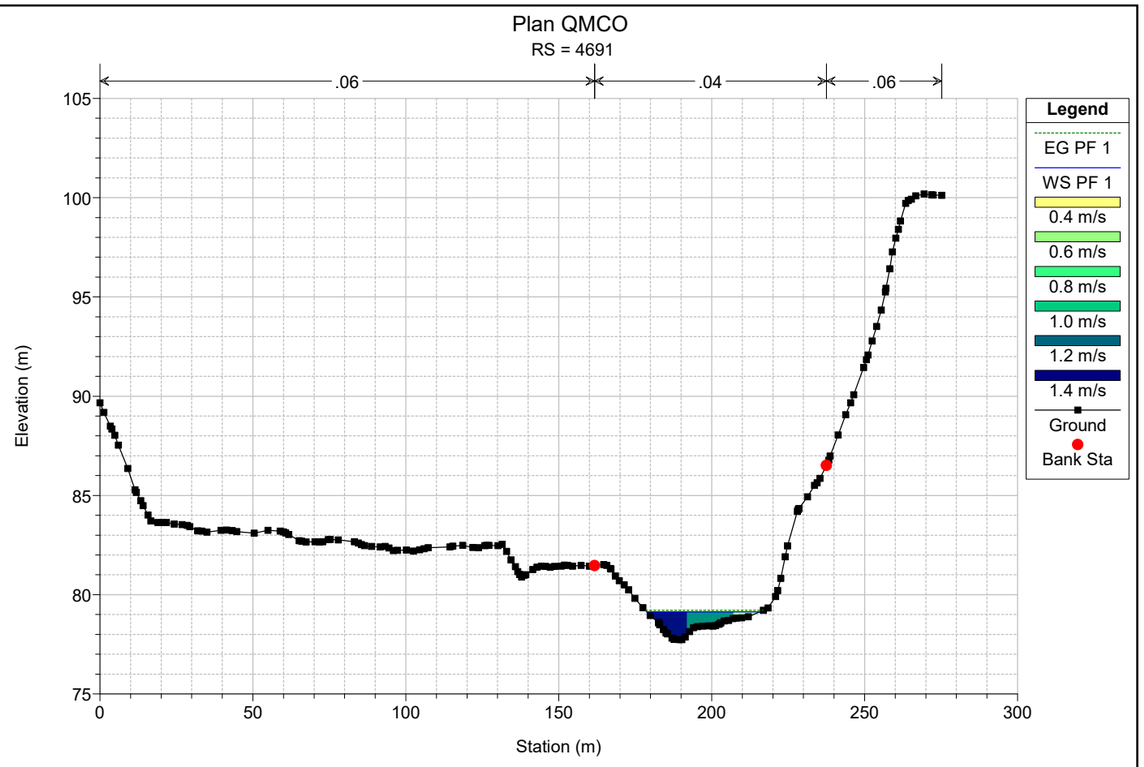

Plan QMCO
RS = 4864
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

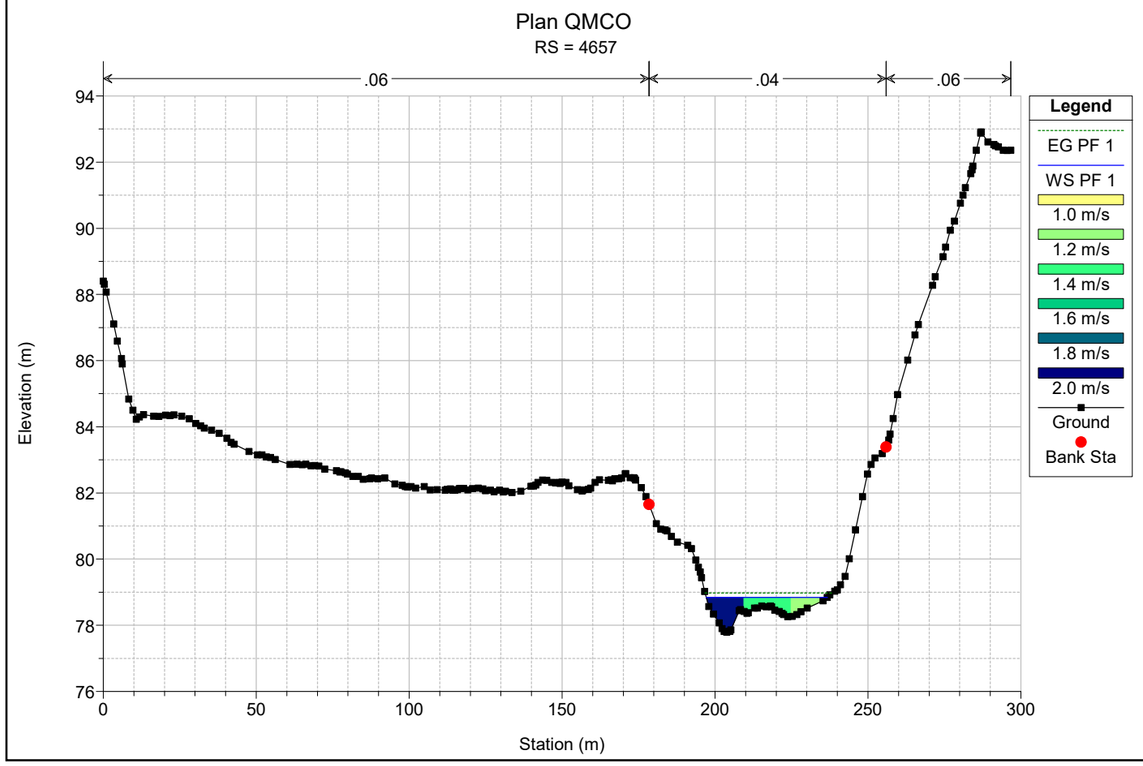

Plan QMCO
RS = 4827
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

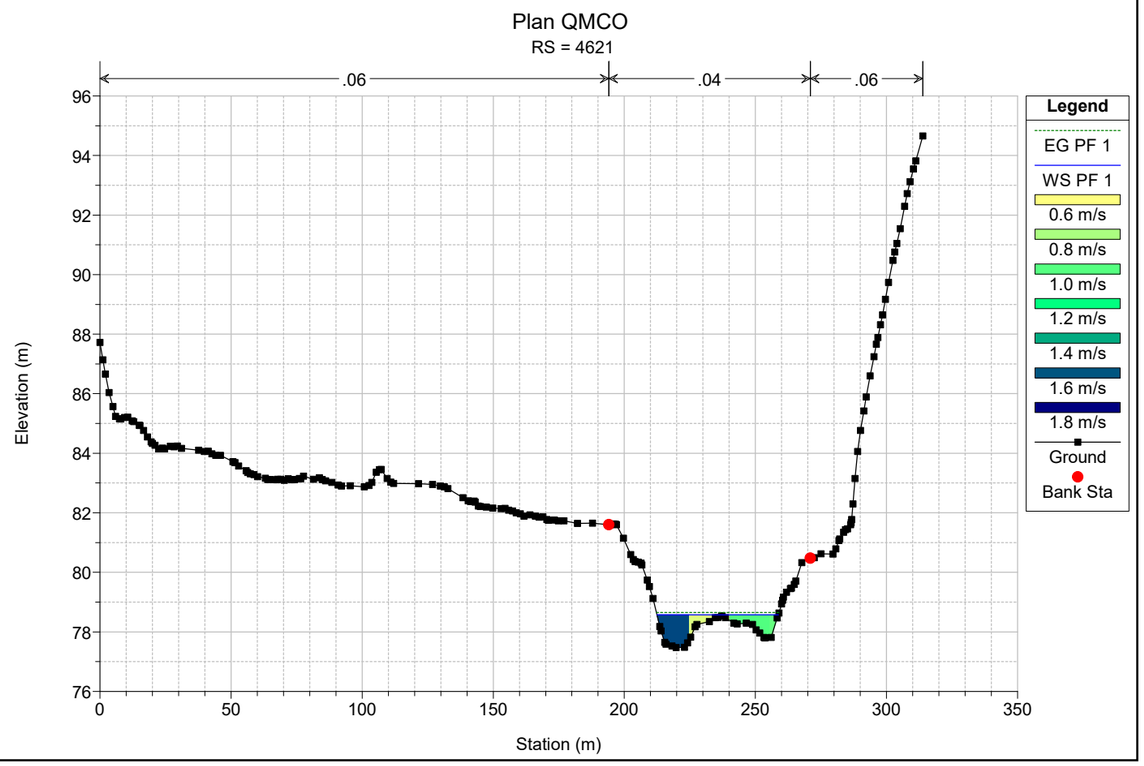

Plan QMCO
RS = 4784
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

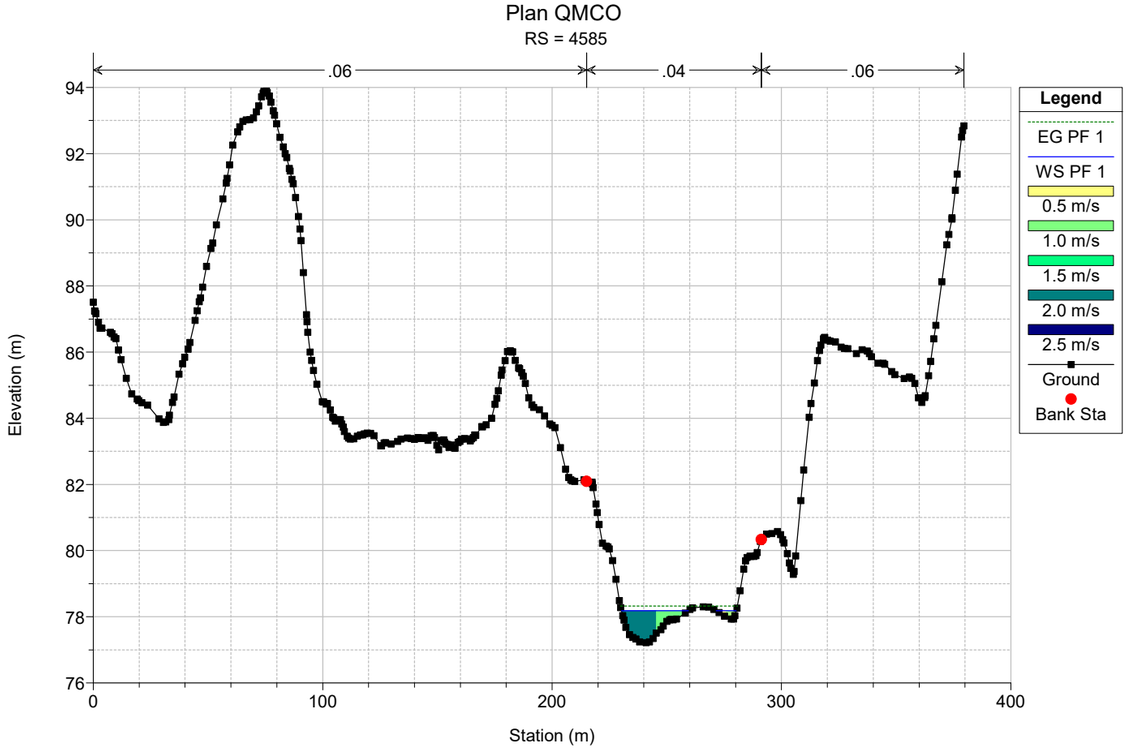

Plan QMCO
RS = 4748
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

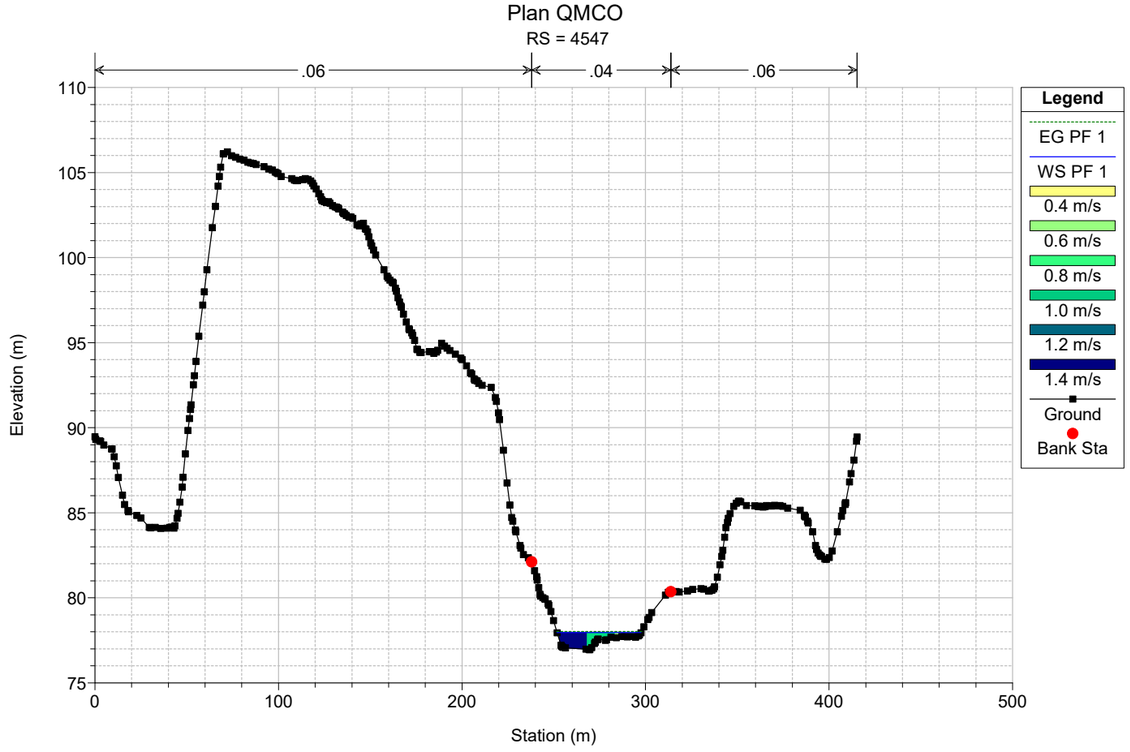

Plan QMCO
RS = 4719
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

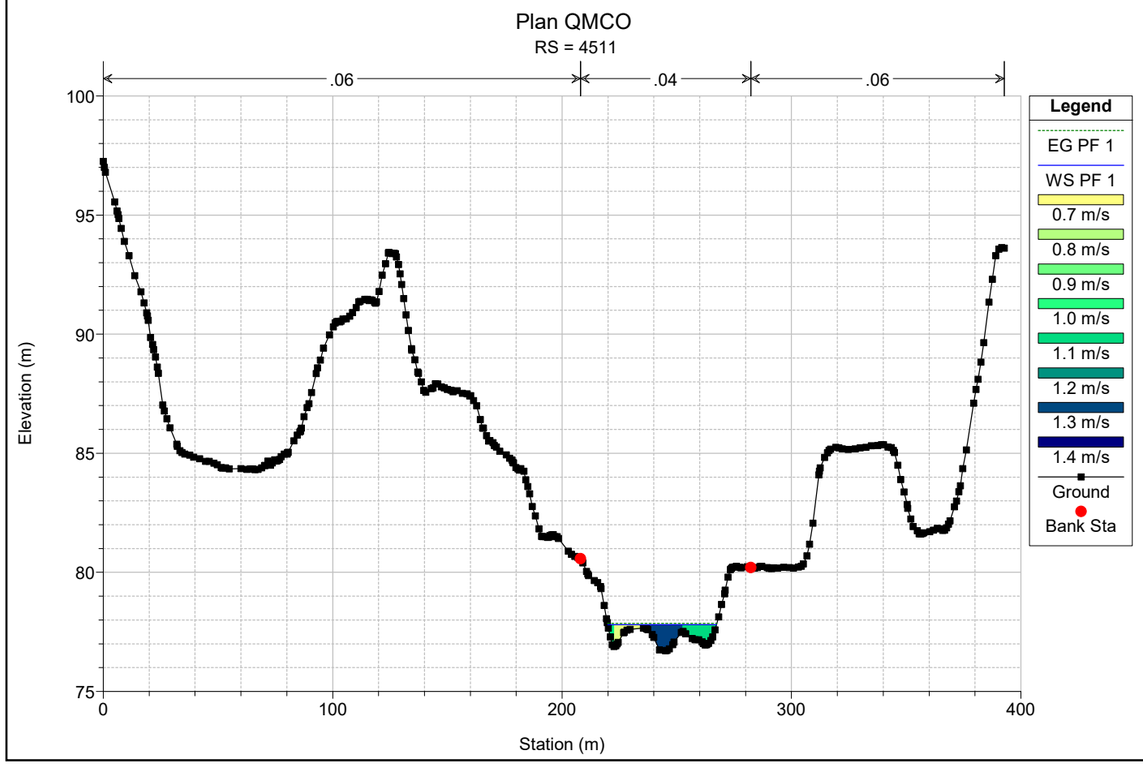

Plan QMCO
RS = 4691
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

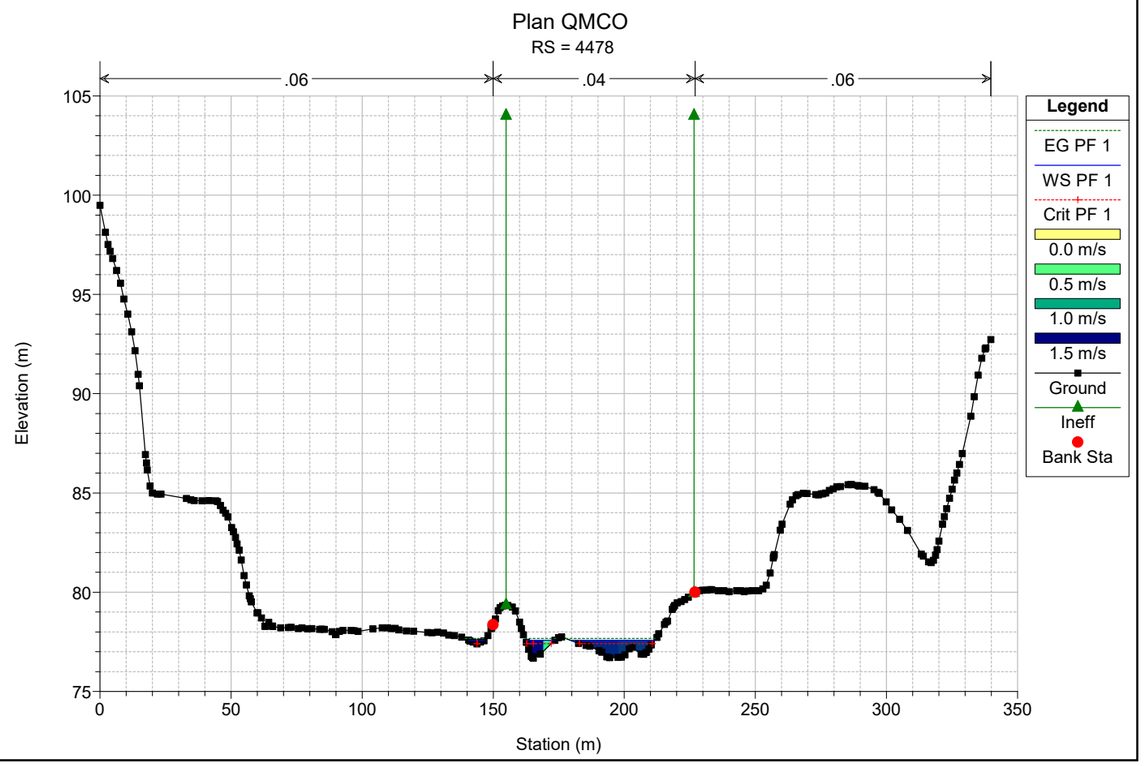

Plan QMCO
RS = 4657
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

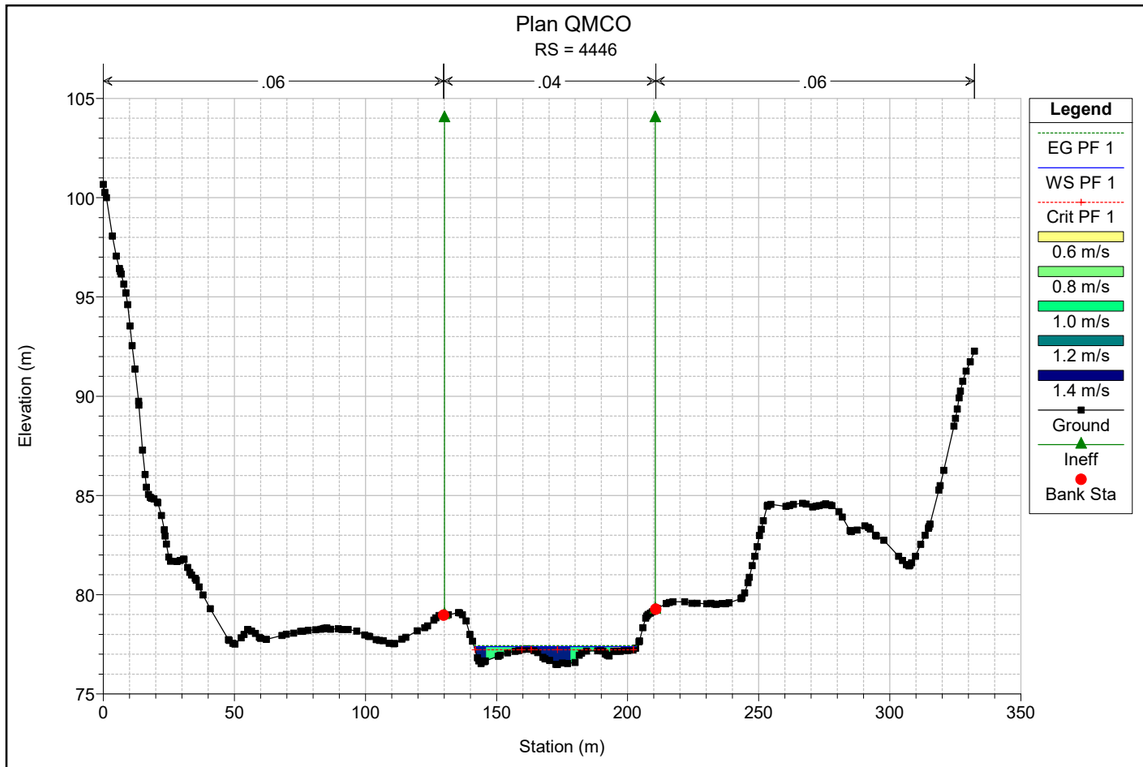

Plan QMCO
RS = 4621
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

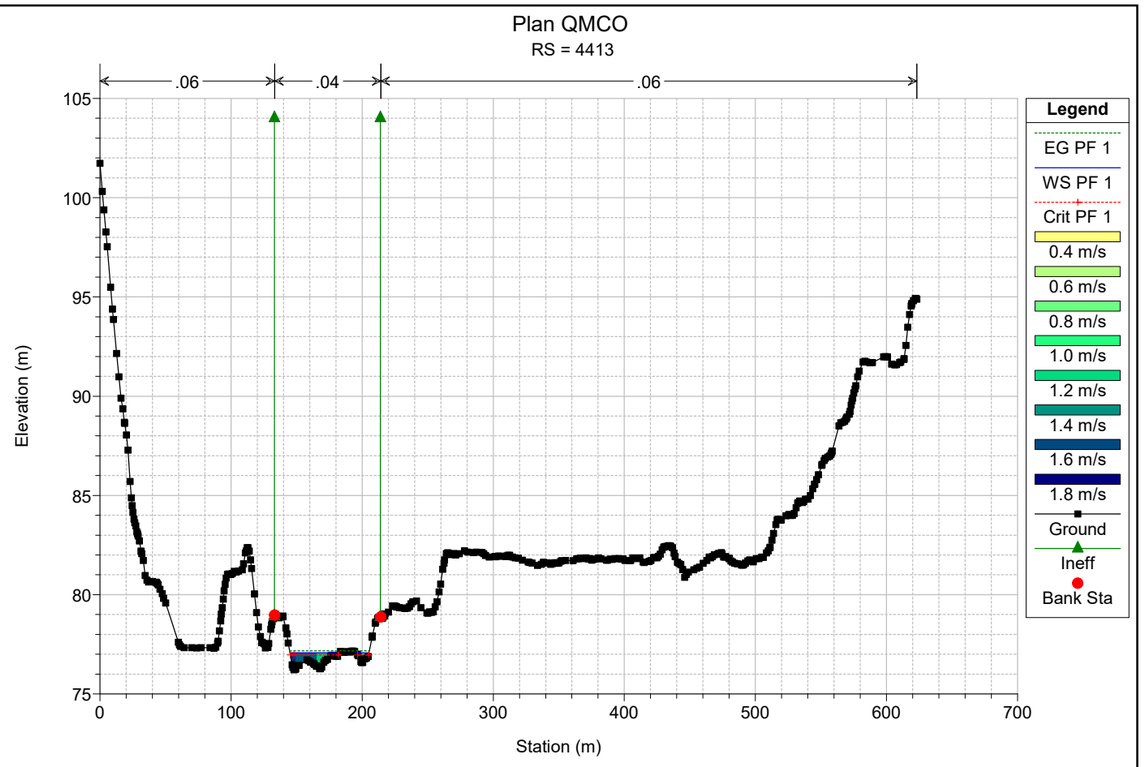

Plan QMCO
RS = 4585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

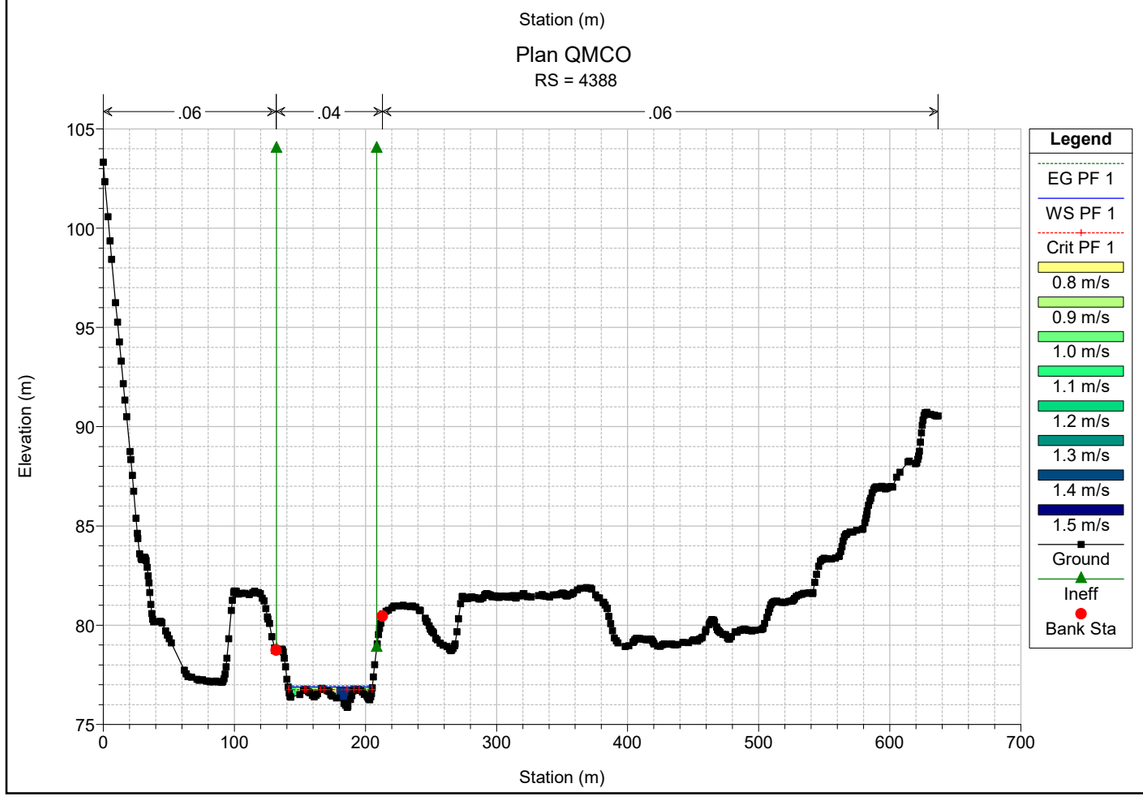

Plan QMCO
RS = 4547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

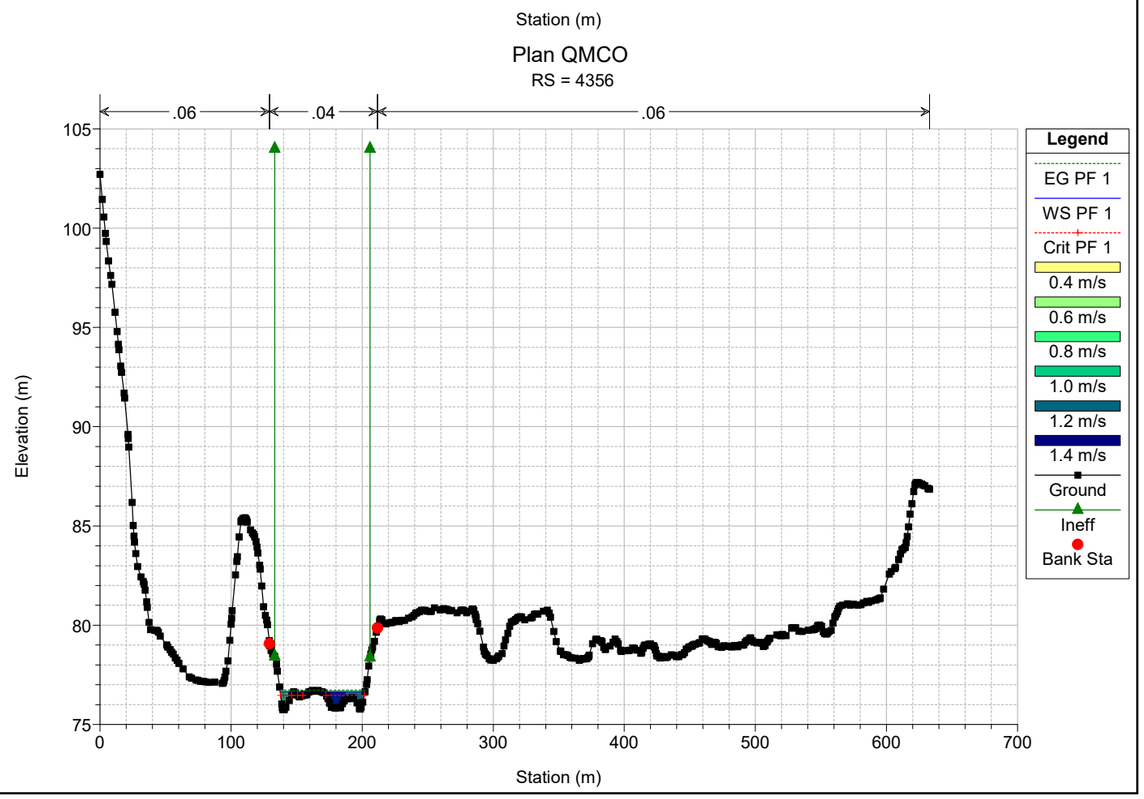

Plan QMCO
RS = 4511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.7 m/s
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
Ground
Bank Sta

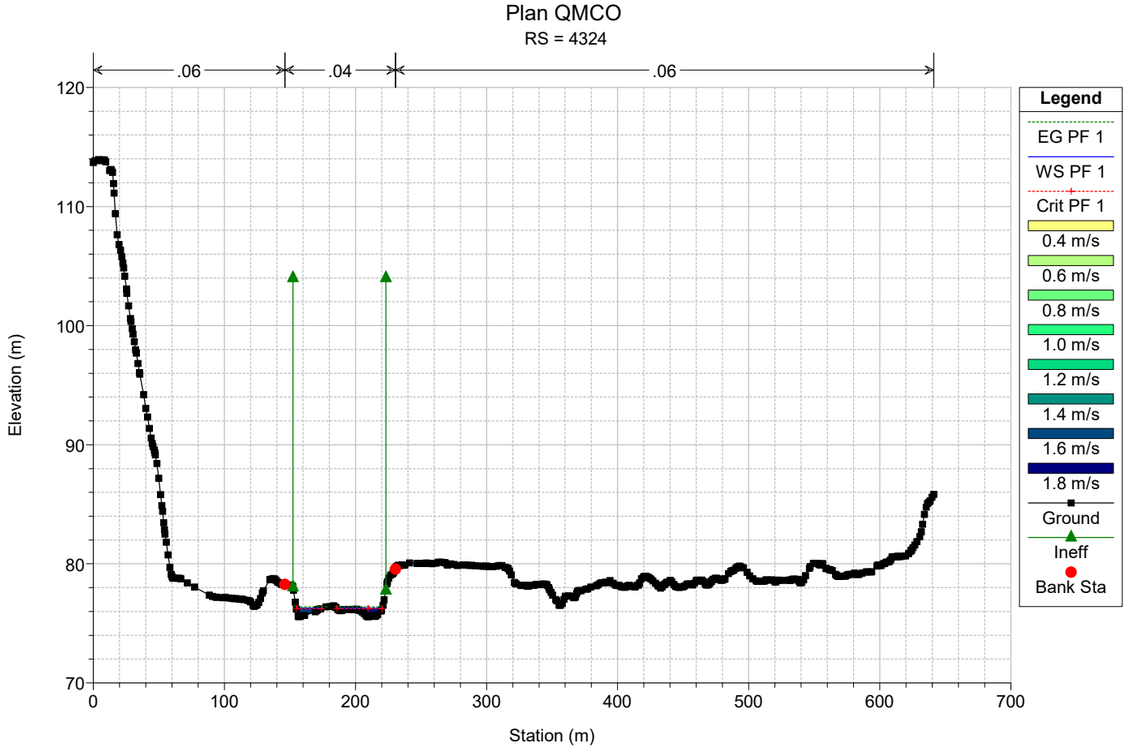

Plan QMCO
RS = 4478
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

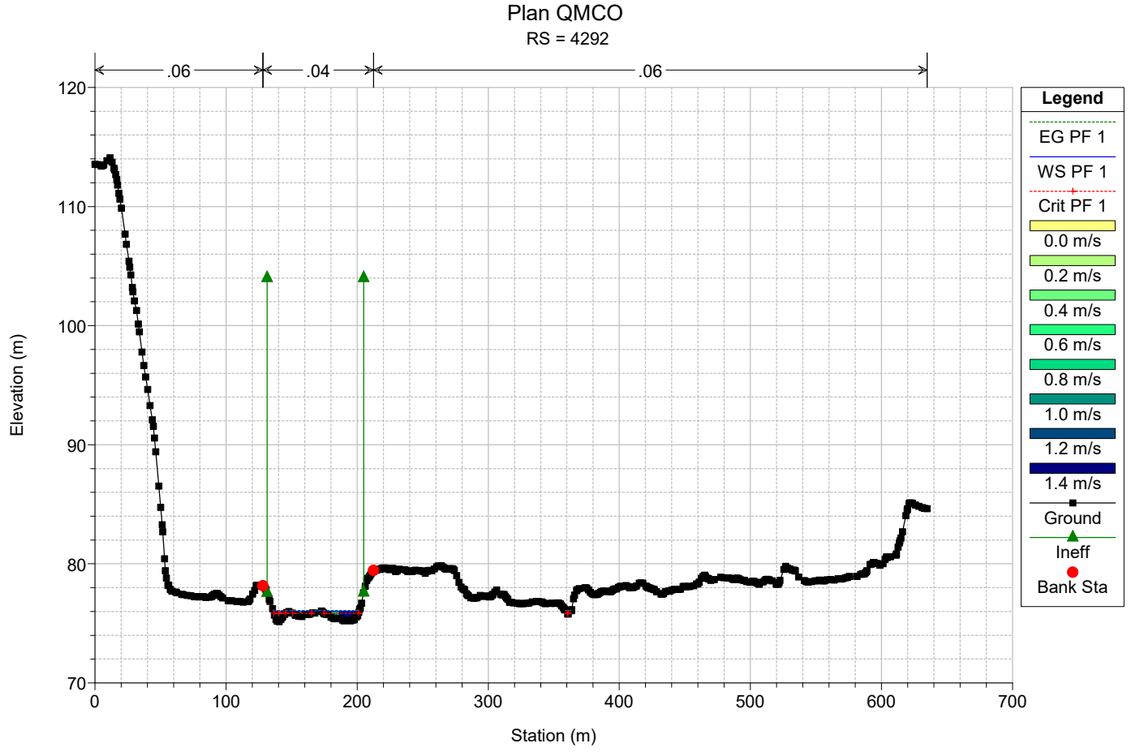

Plan QMCO
RS = 4446
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

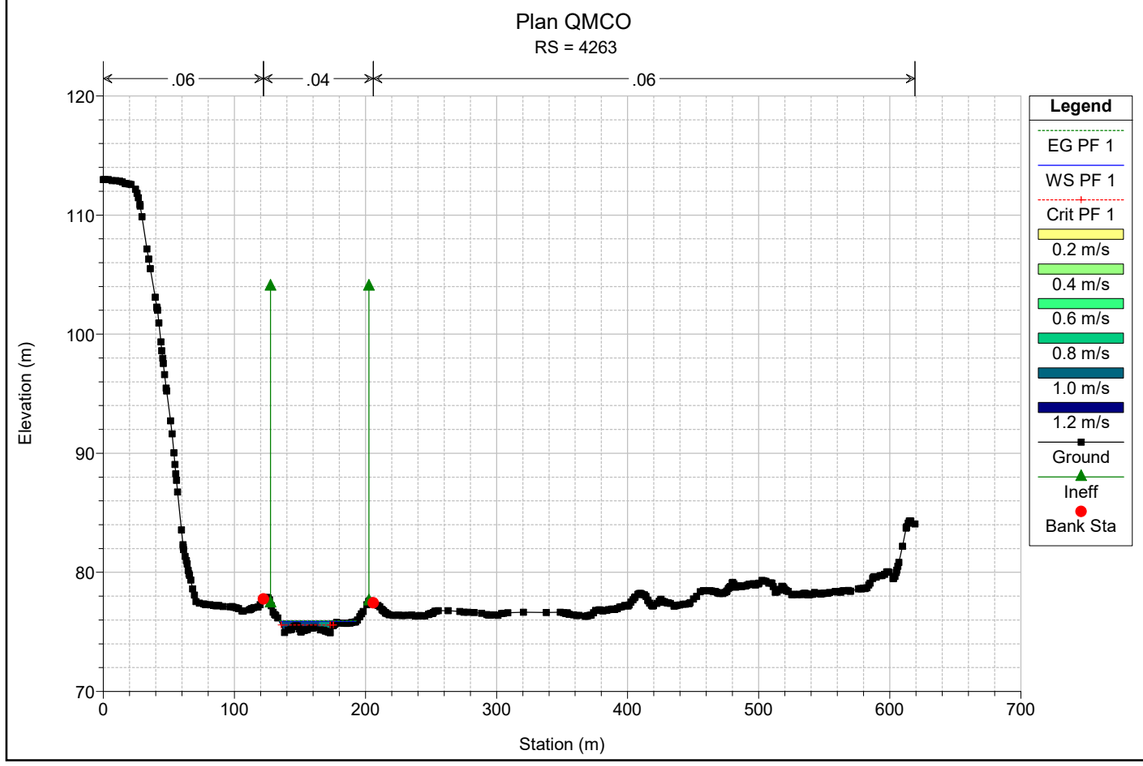

Plan QMCO
RS = 4413
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

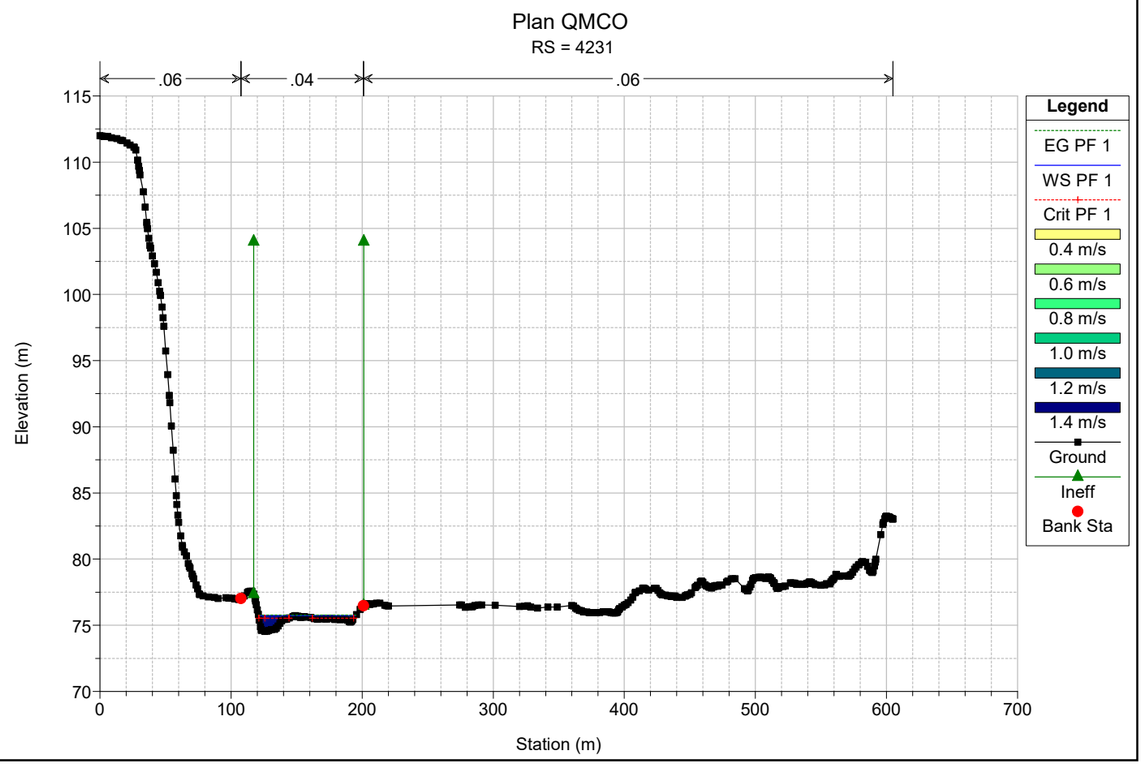

Plan QMCO
RS = 4388
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
Ground
Ineff
Bank Sta

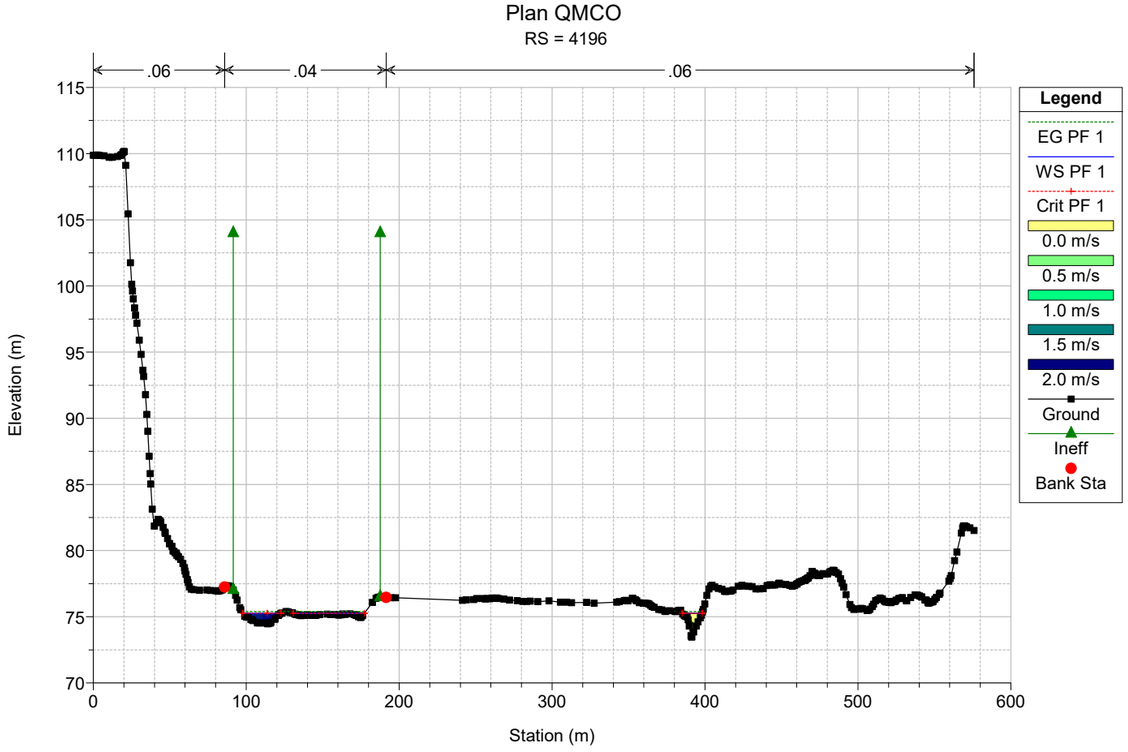

Plan QMCO
RS = 4356
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

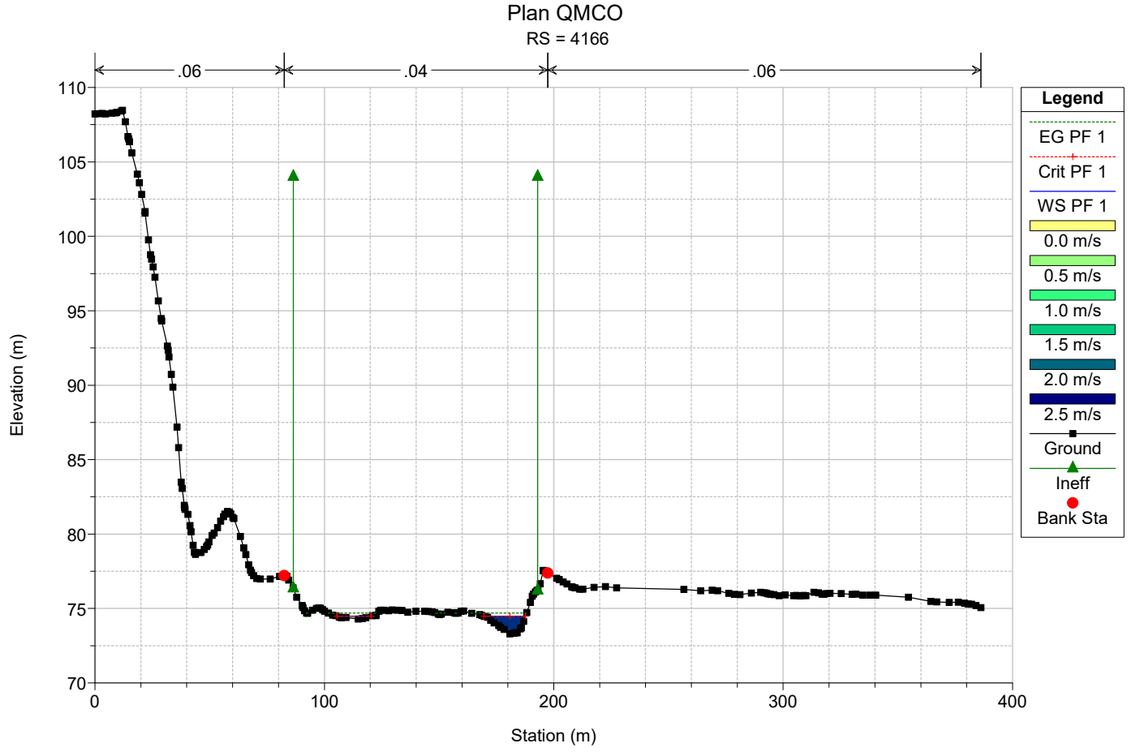

Plan QMCO
RS = 4324
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

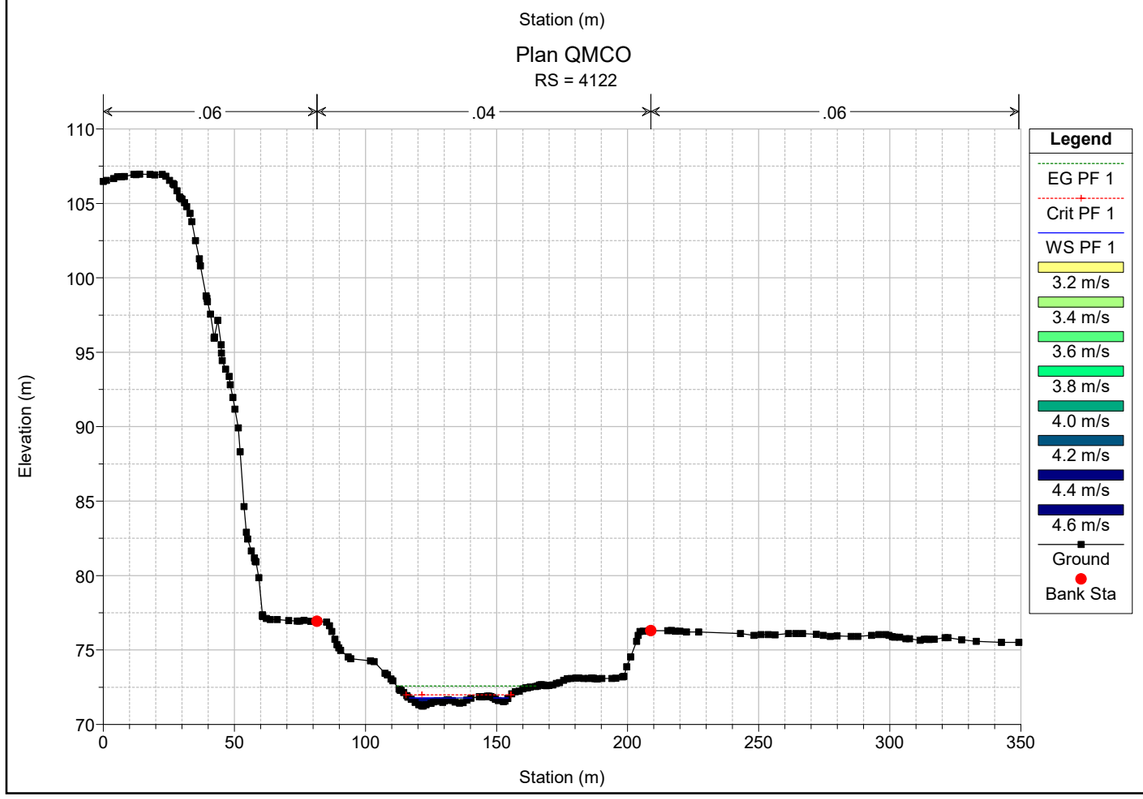

Plan QMCO
RS = 4292
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

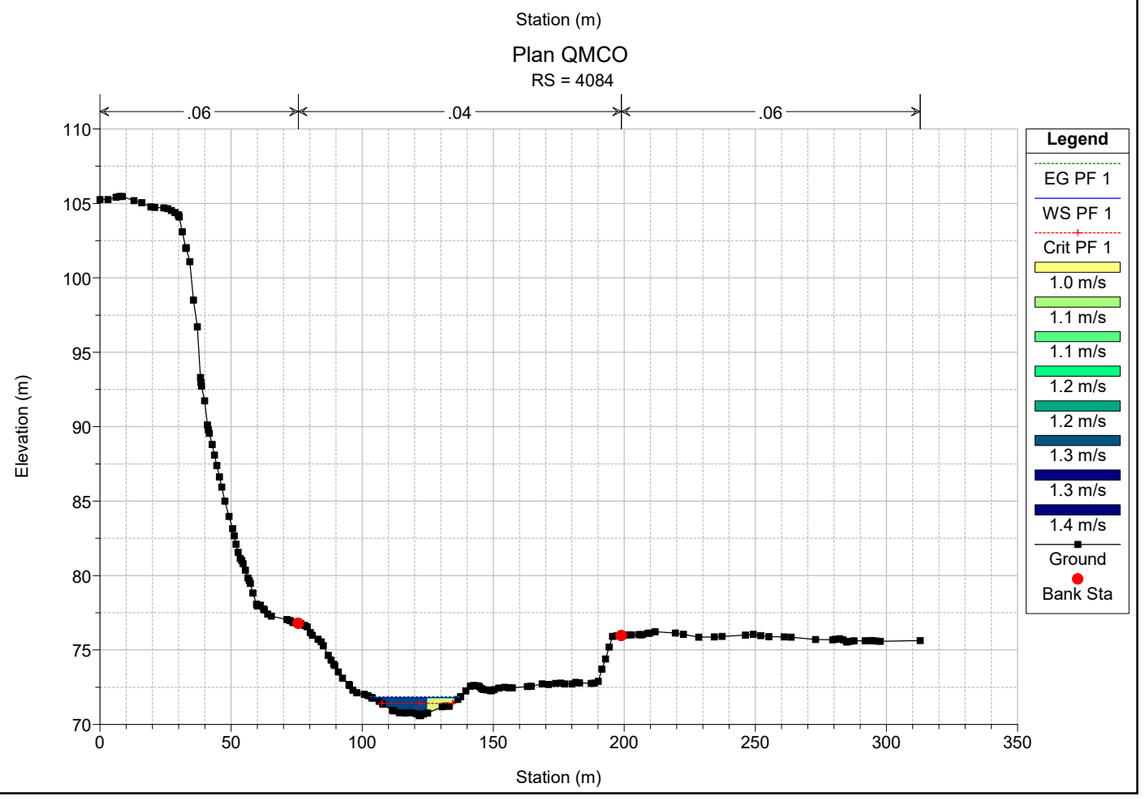

Plan QMCO
RS = 4263
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Ineff
Bank Sta

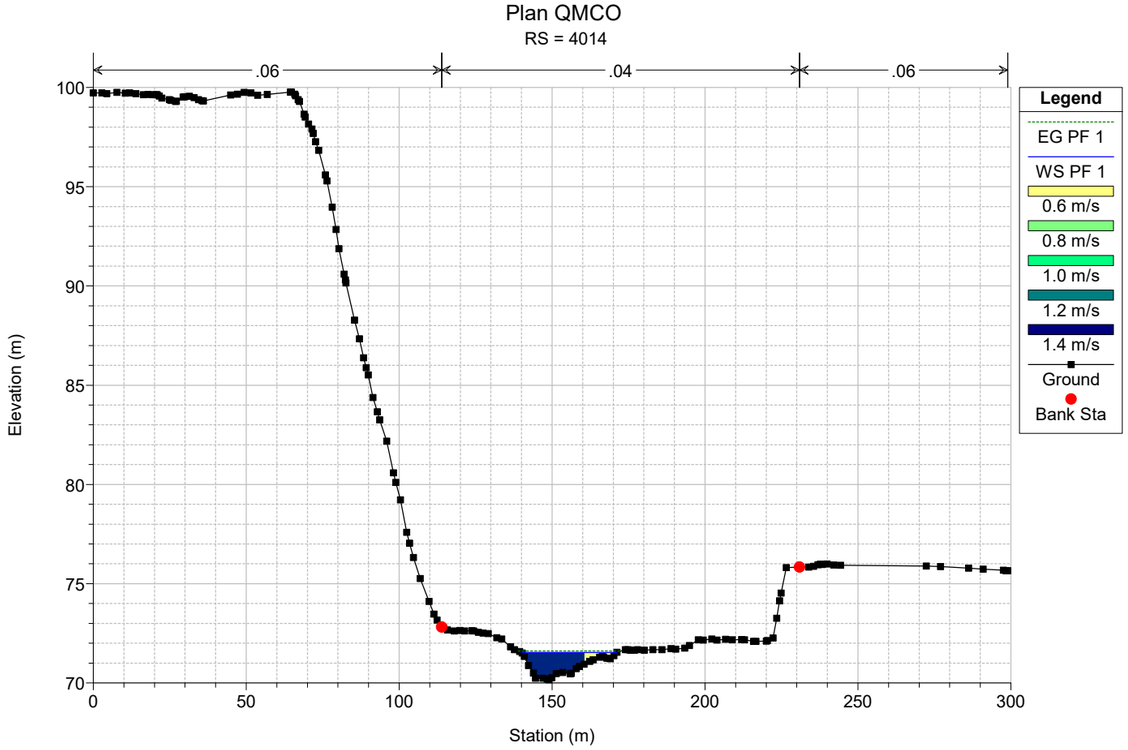

Plan QMCO
RS = 4231
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

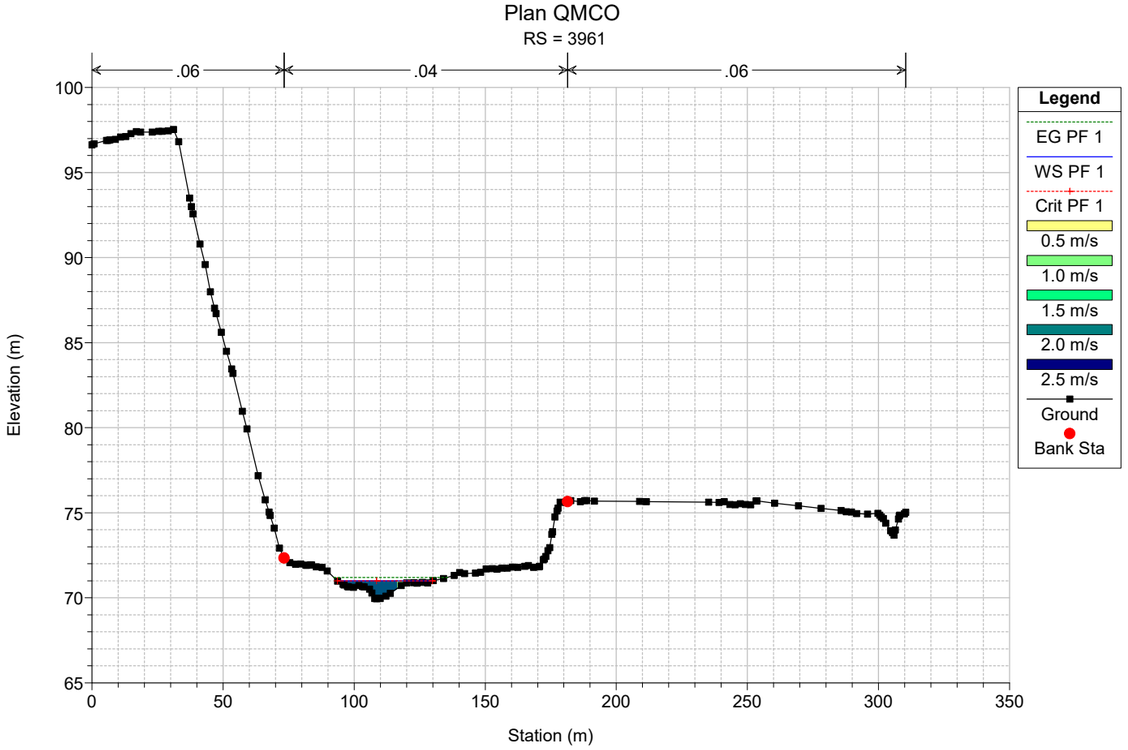

Plan QMCO
RS = 4196
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

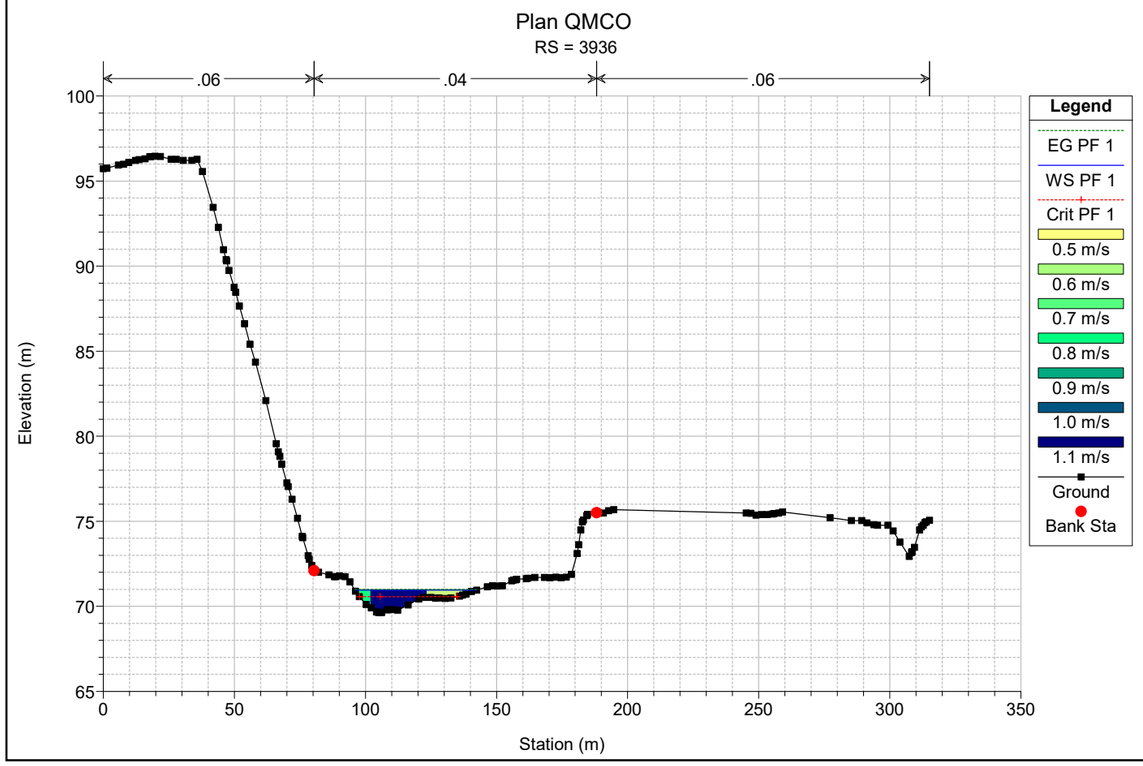

Plan QMCO
RS = 4166
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

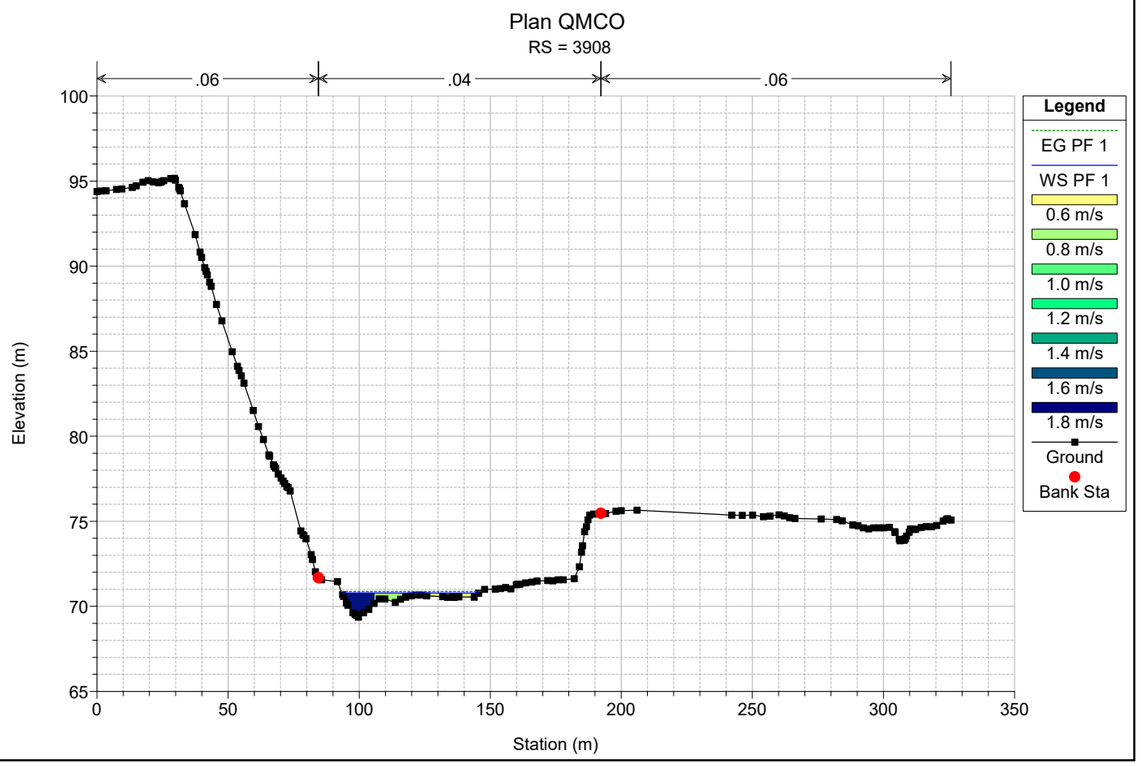

Plan QMCO
RS = 4122
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
3.2 m/s
3.4 m/s
3.6 m/s
3.8 m/s
4.0 m/s
4.2 m/s
4.4 m/s
4.6 m/s
Ground
Bank Sta

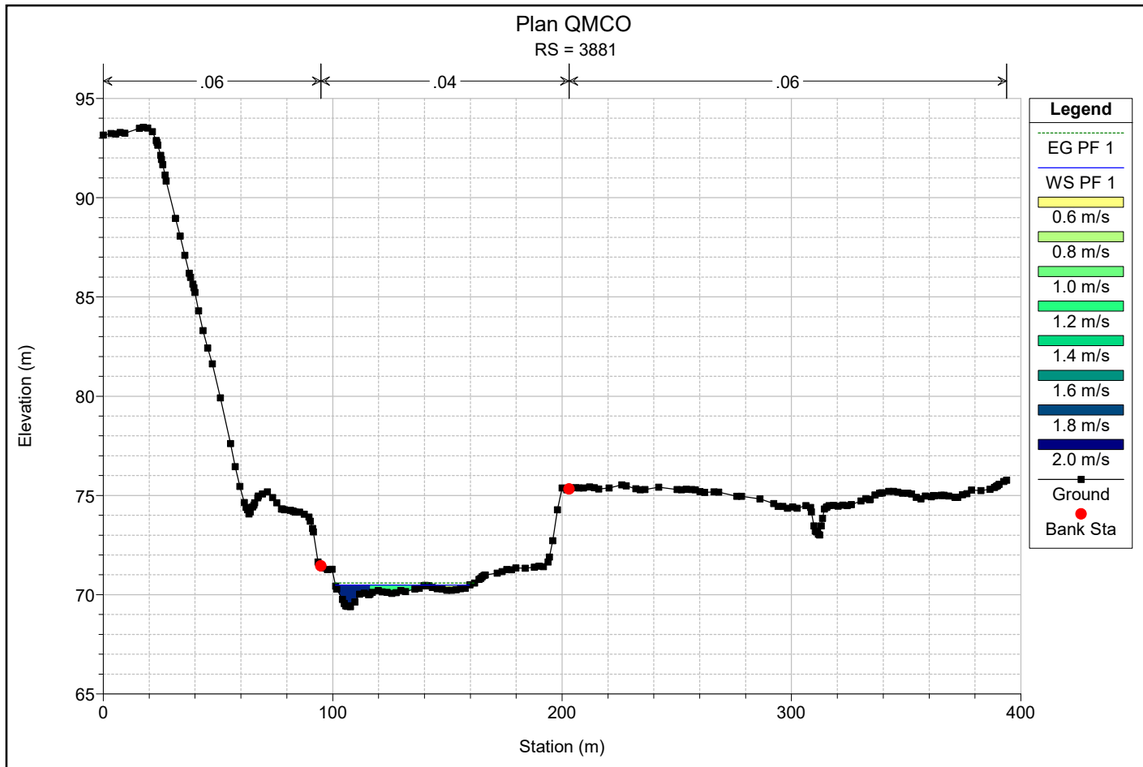

Plan QMCO
RS = 4084
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.1 m/s
1.1 m/s
1.2 m/s
1.2 m/s
1.3 m/s
1.3 m/s
1.4 m/s
Ground
Bank Sta

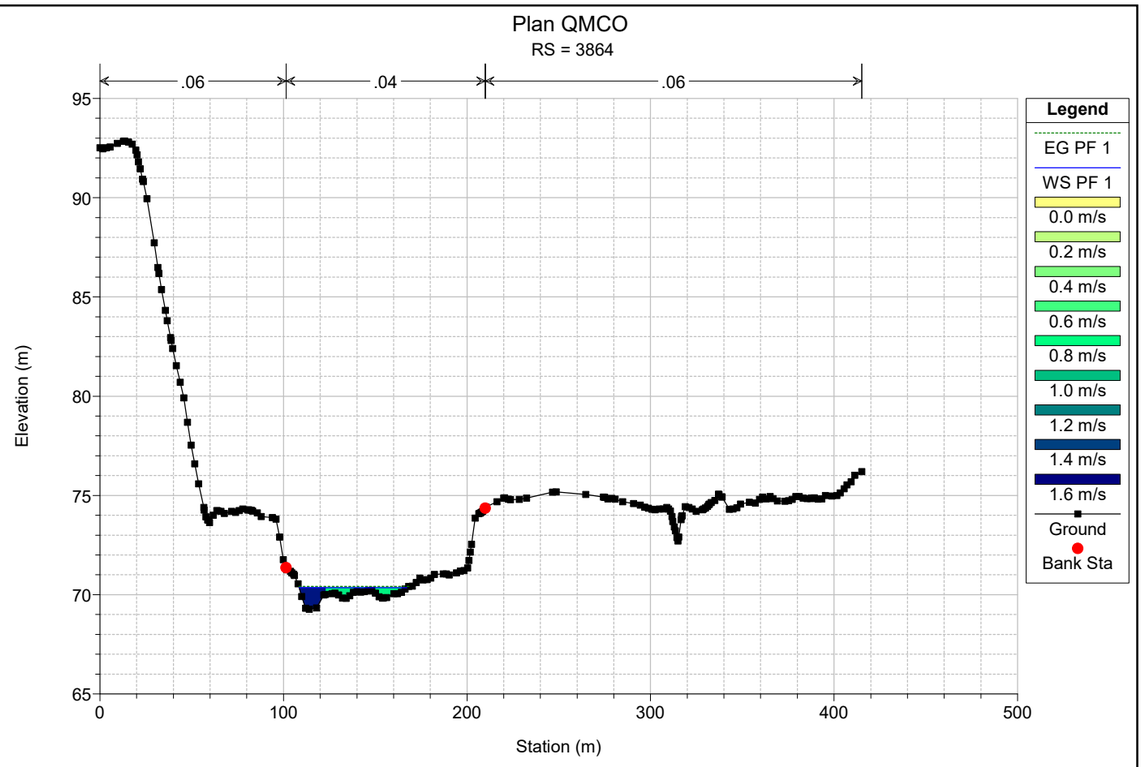

Plan QMCO
RS = 4014
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

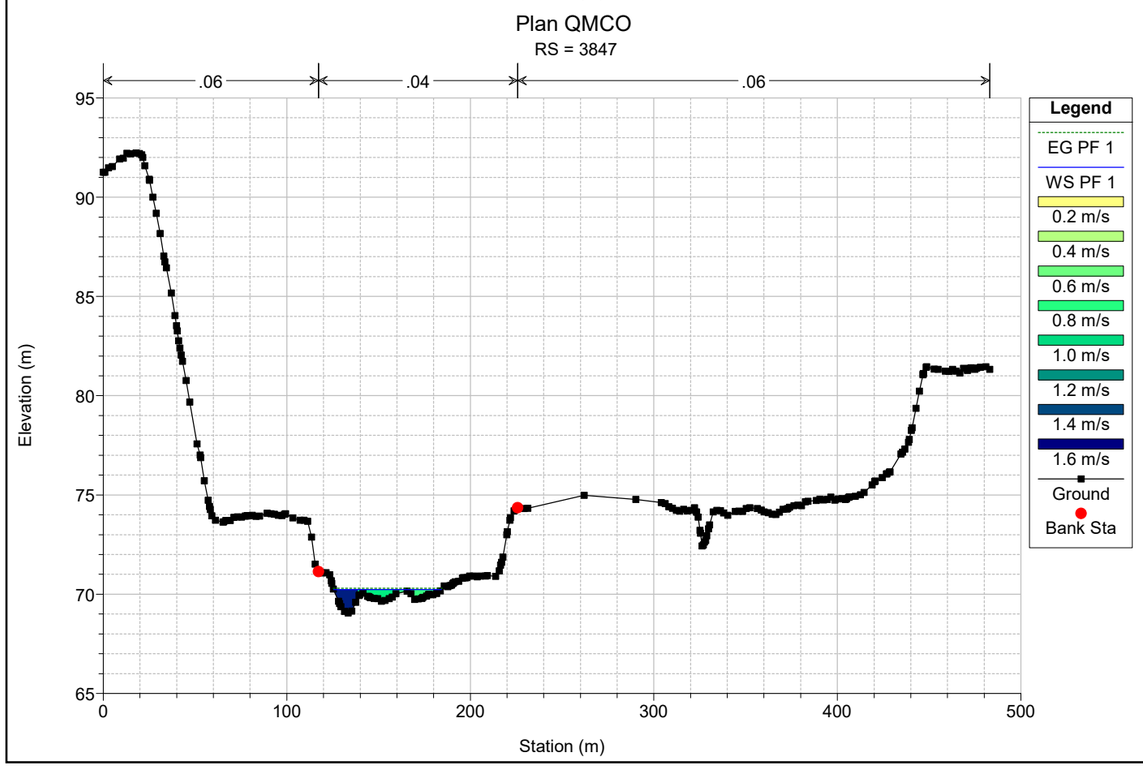

Plan QMCO
RS = 3961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

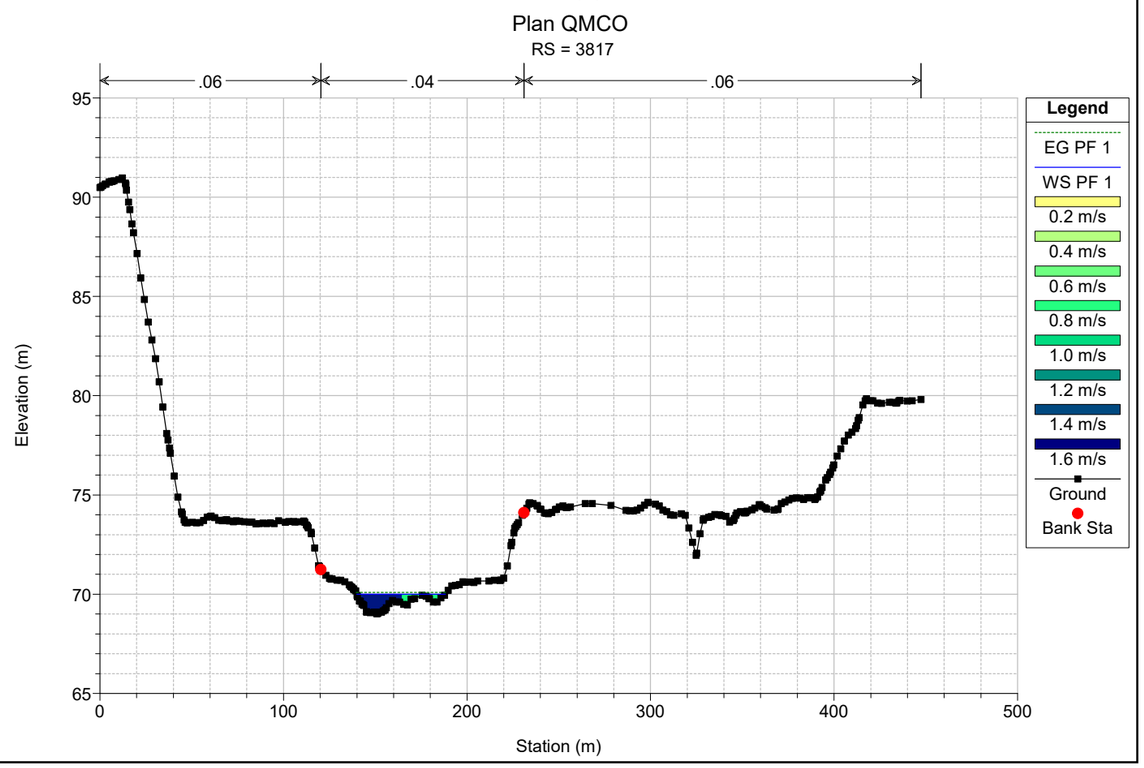

Plan QMCO
RS = 3936
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
0.6 m/s
0.7 m/s
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
Ground
Bank Sta

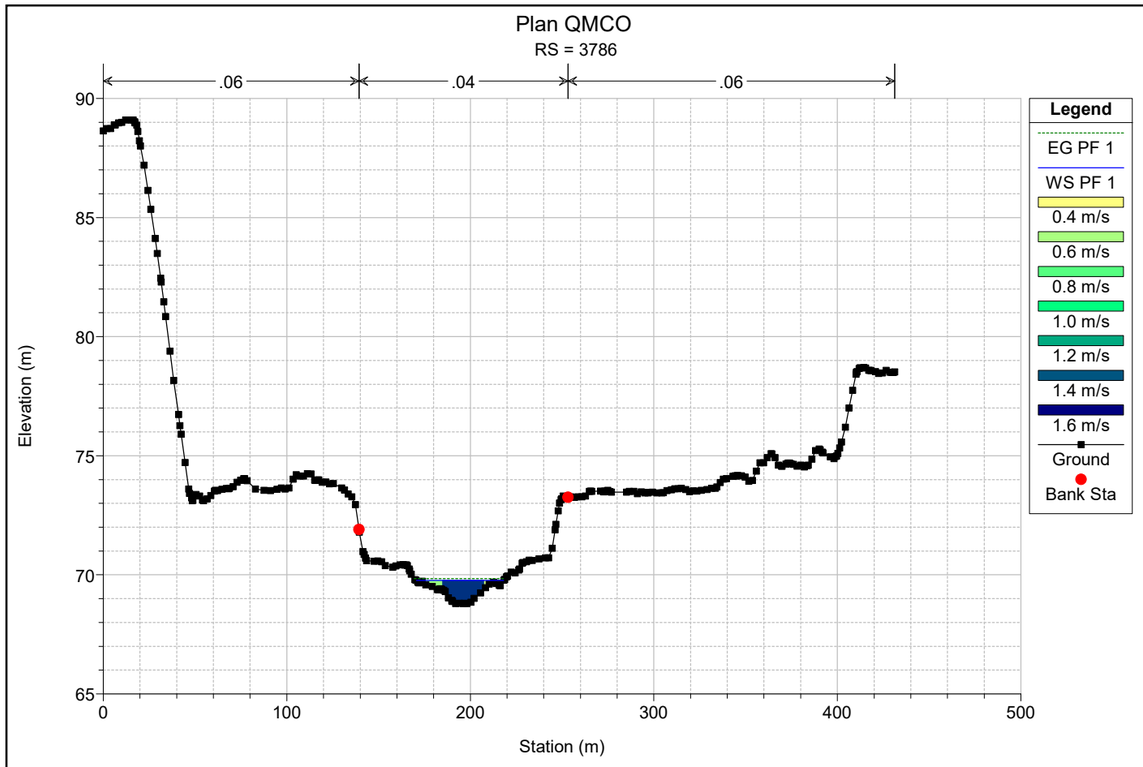

Plan QMCO
RS = 3908
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

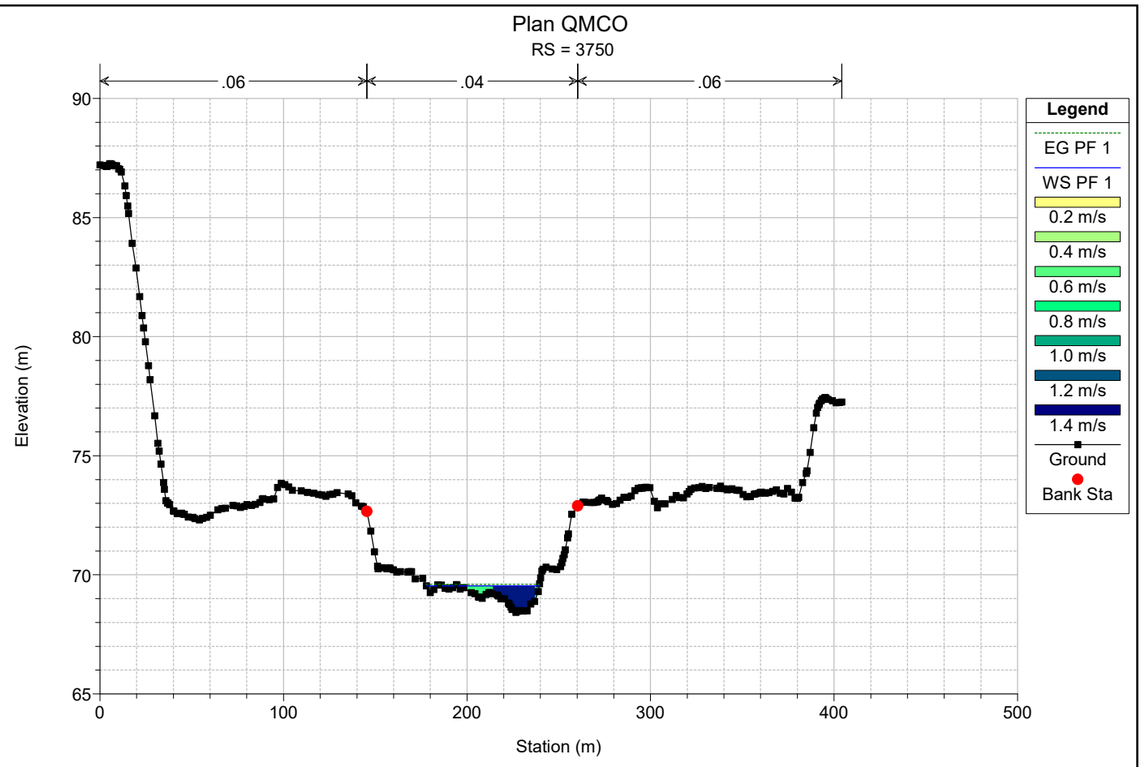

Plan QMCO
RS = 3881
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

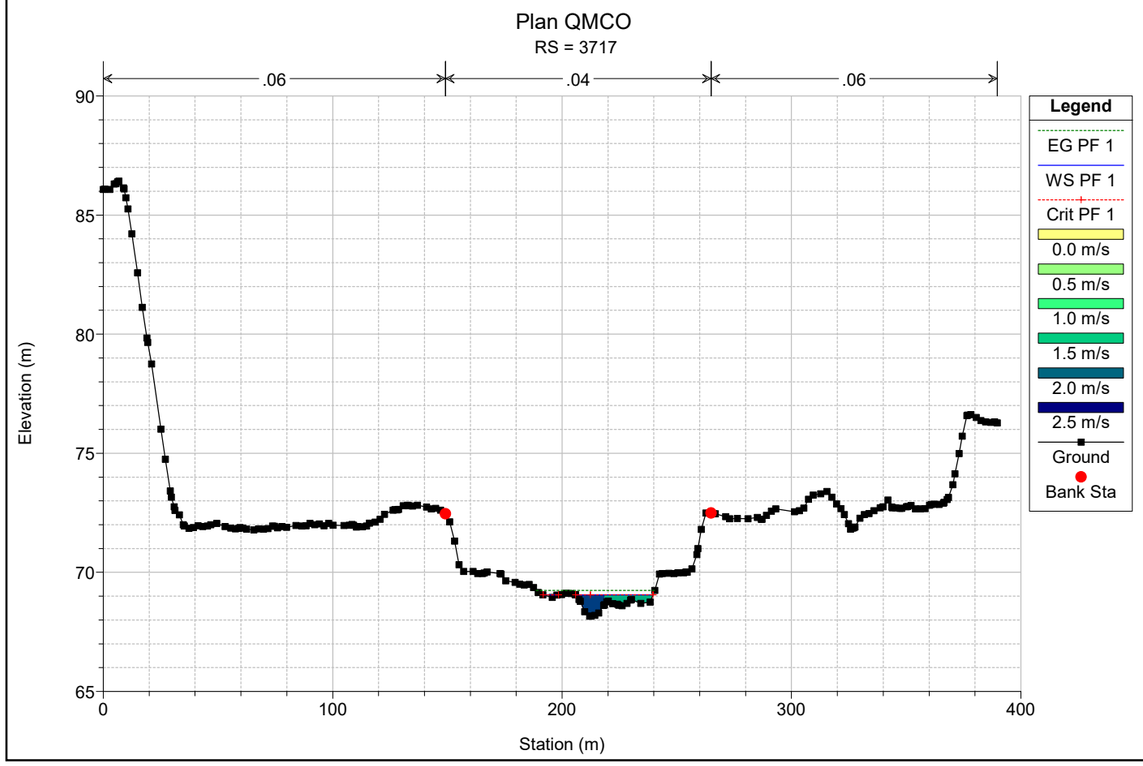

Plan QMCO
RS = 3864
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

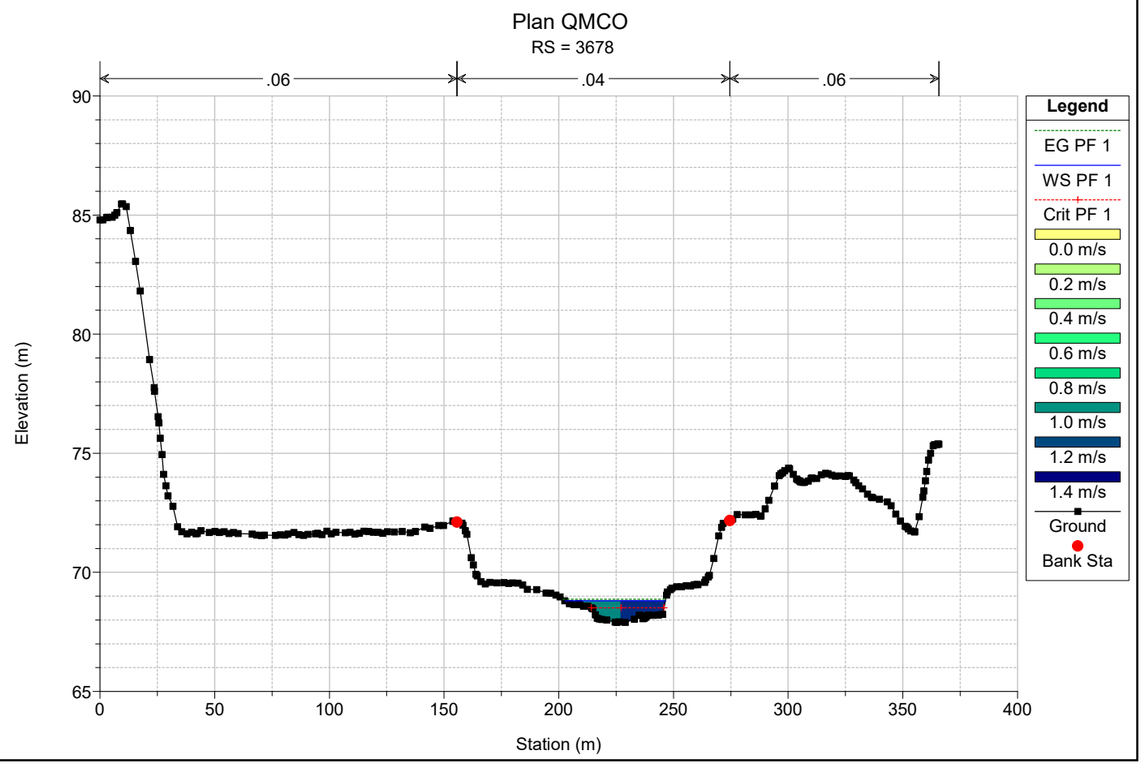

Plan QMCO
RS = 3847
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

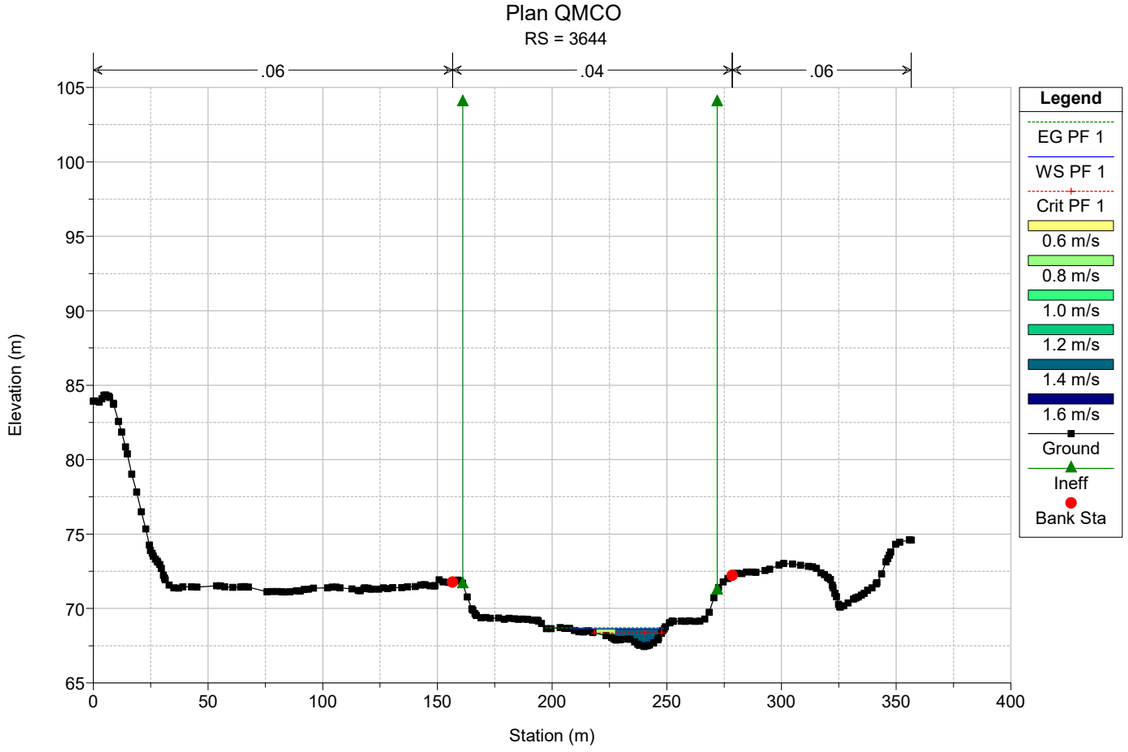

Plan QMCO
RS = 3817
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

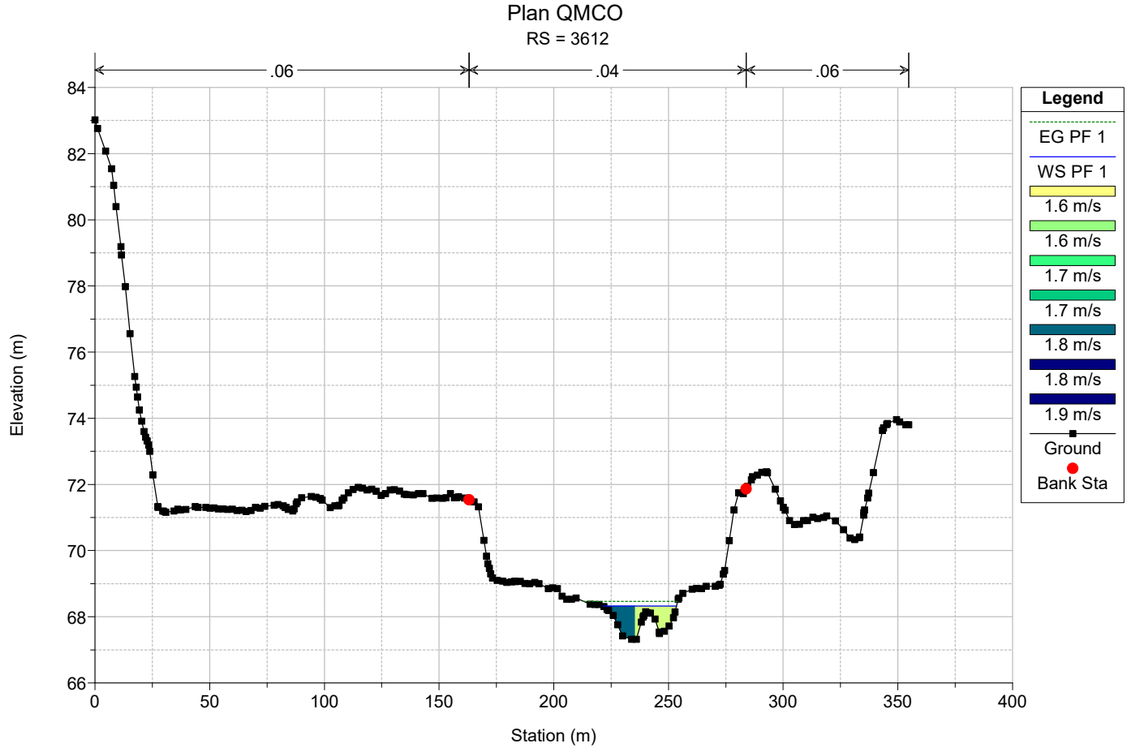

Plan QMCO
RS = 3786
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

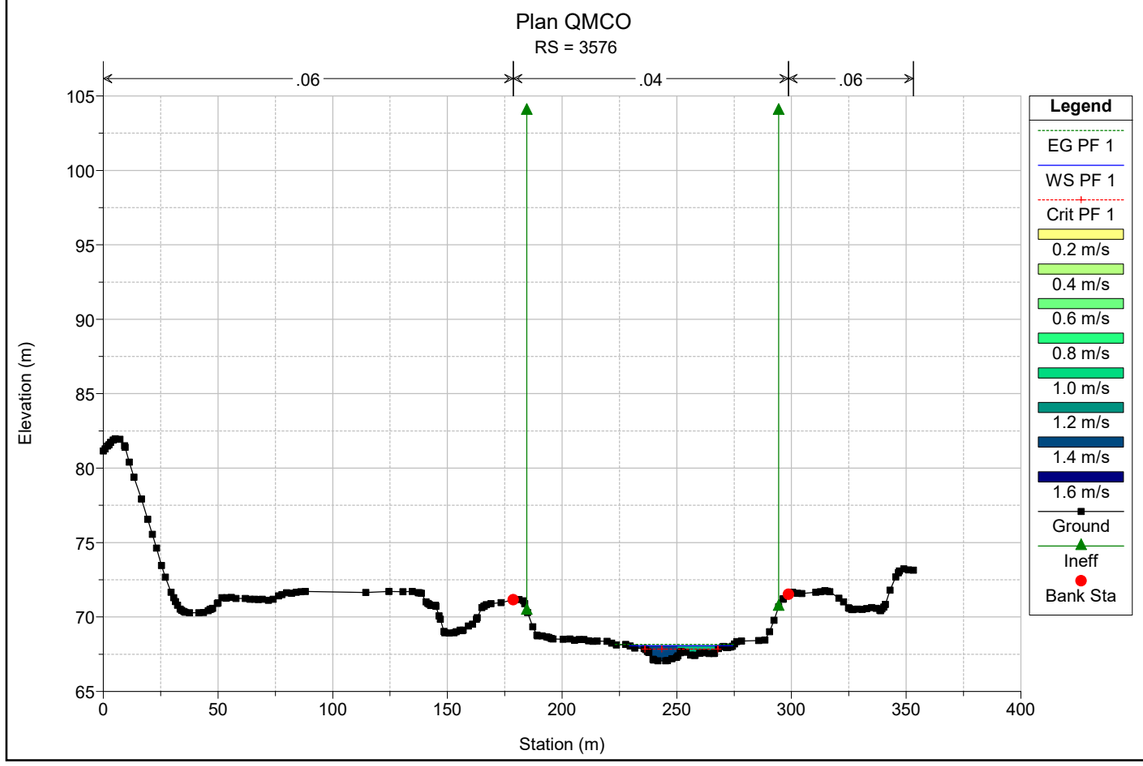

Plan QMCO
RS = 3750
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

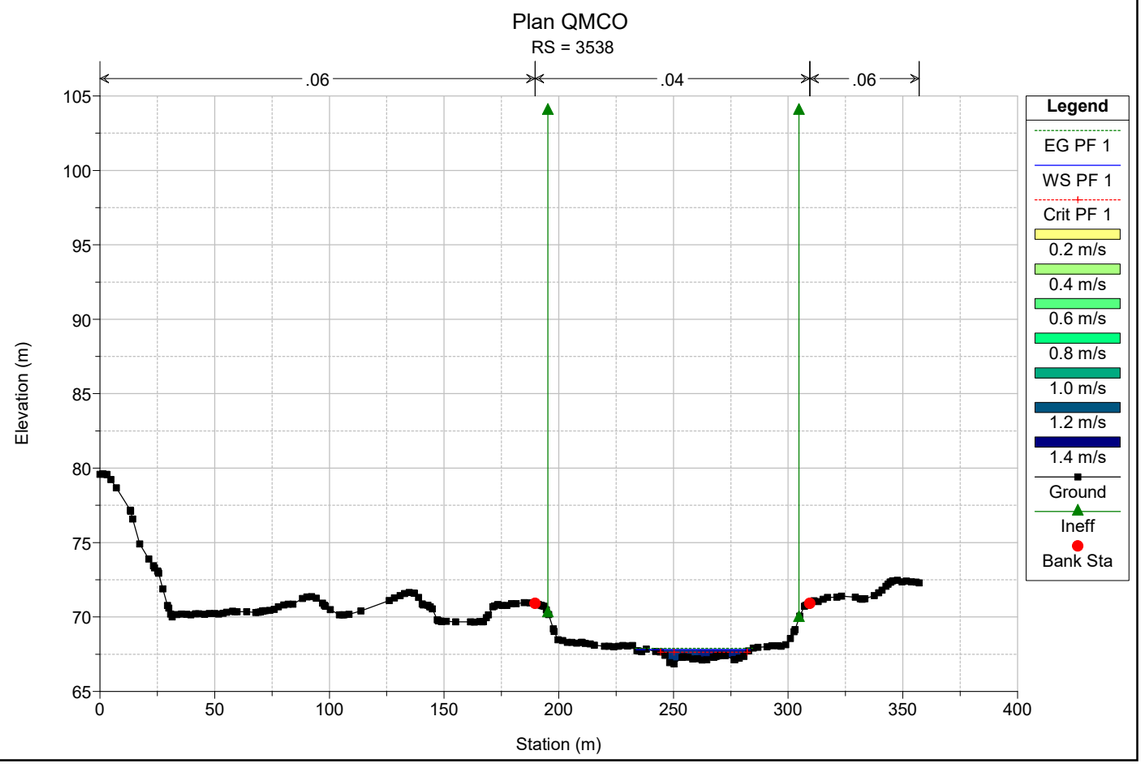

Plan QMCO
RS = 3717
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

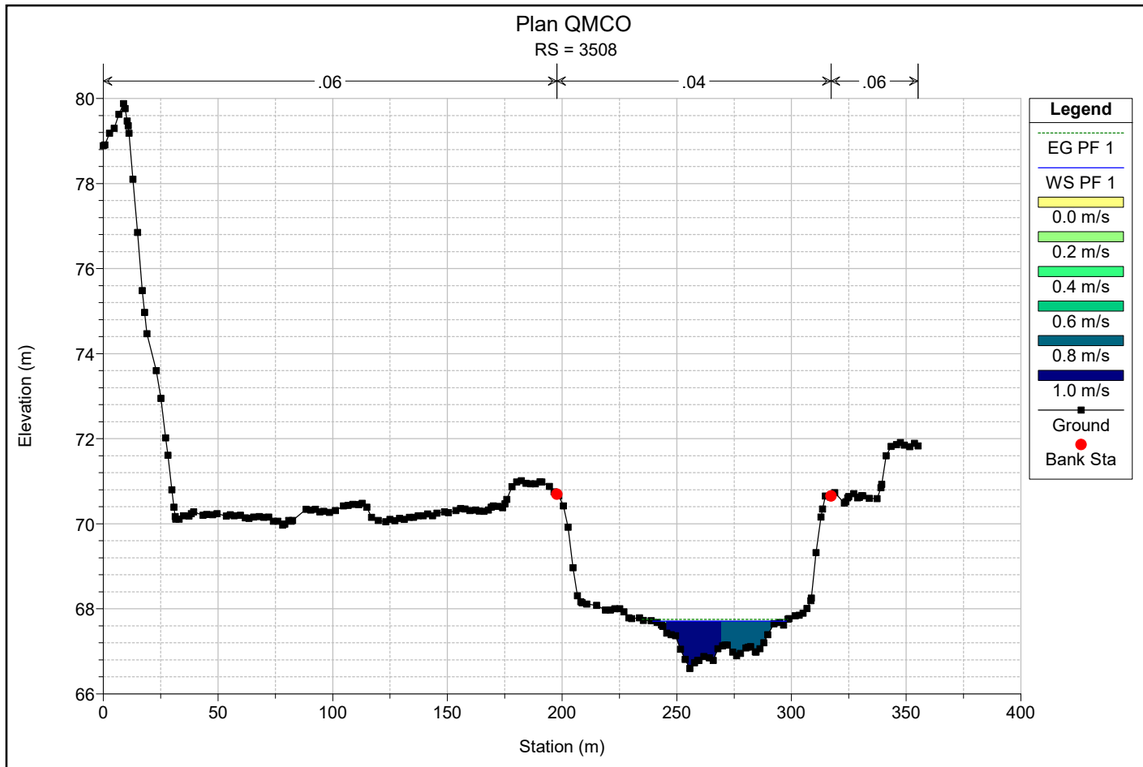

Plan QMCO
RS = 3678
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

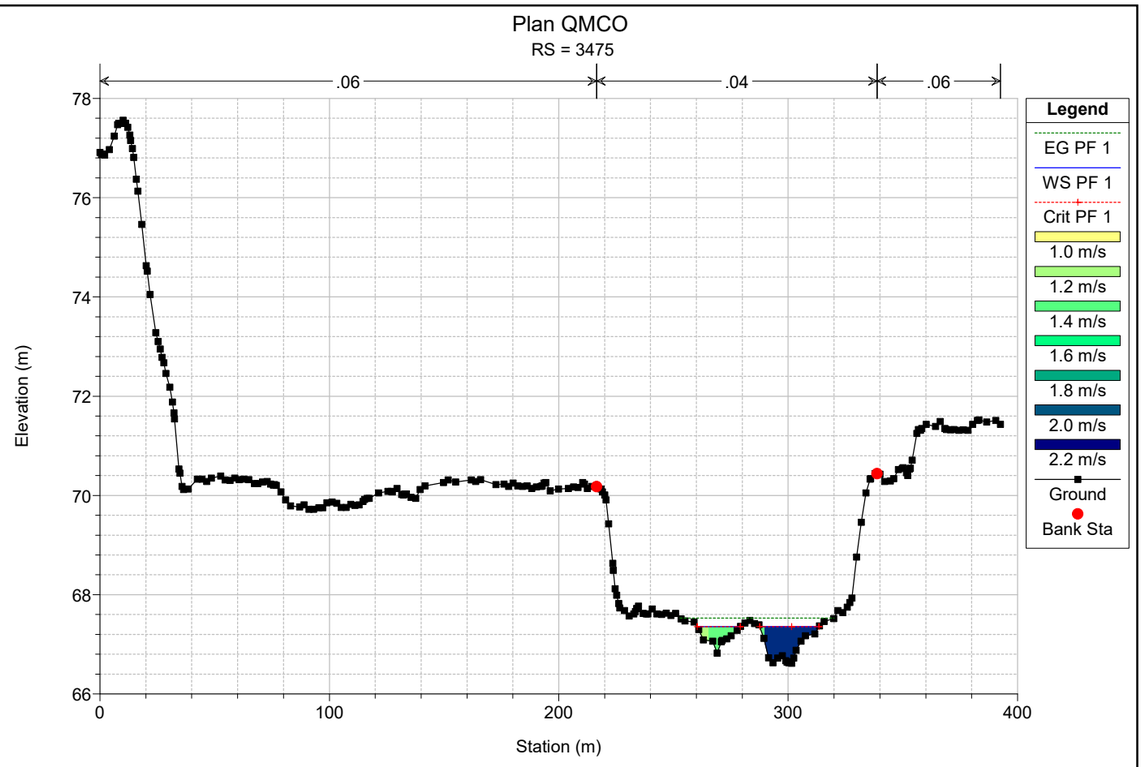

Plan QMCO
RS = 3644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

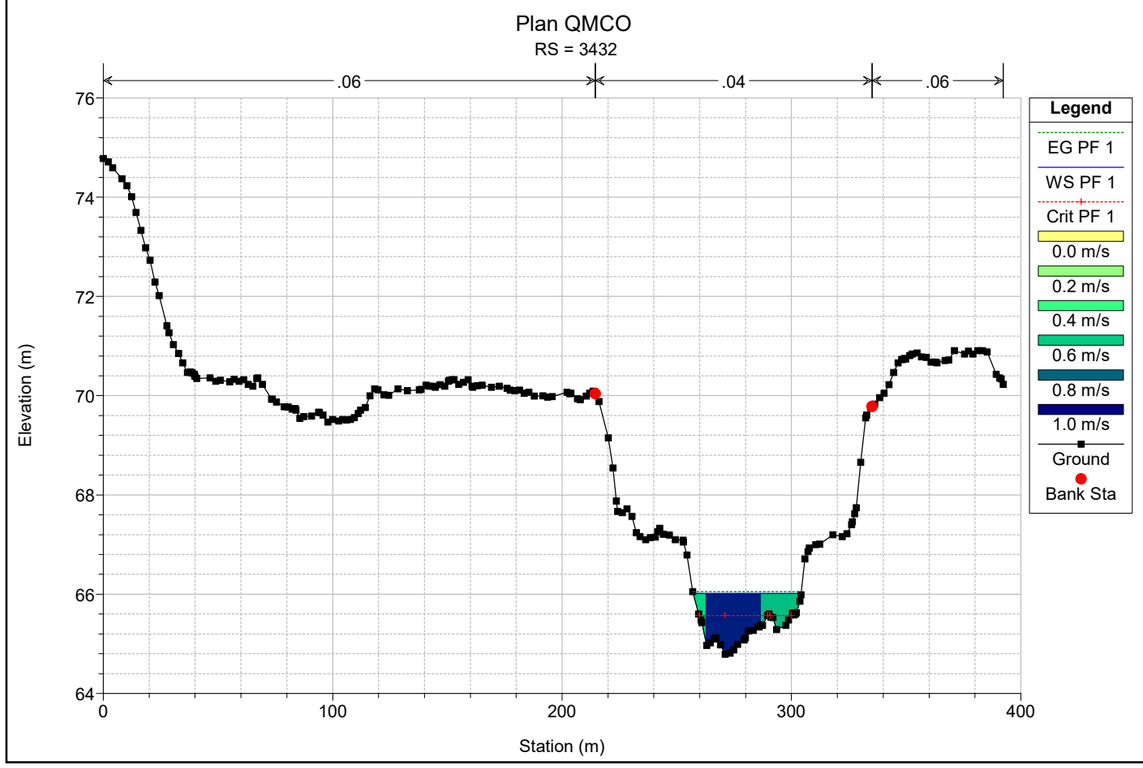

Plan QMCO
RS = 3612
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.6 m/s
1.6 m/s
1.7 m/s
1.7 m/s
1.8 m/s
1.8 m/s
1.9 m/s
Ground
Bank Sta

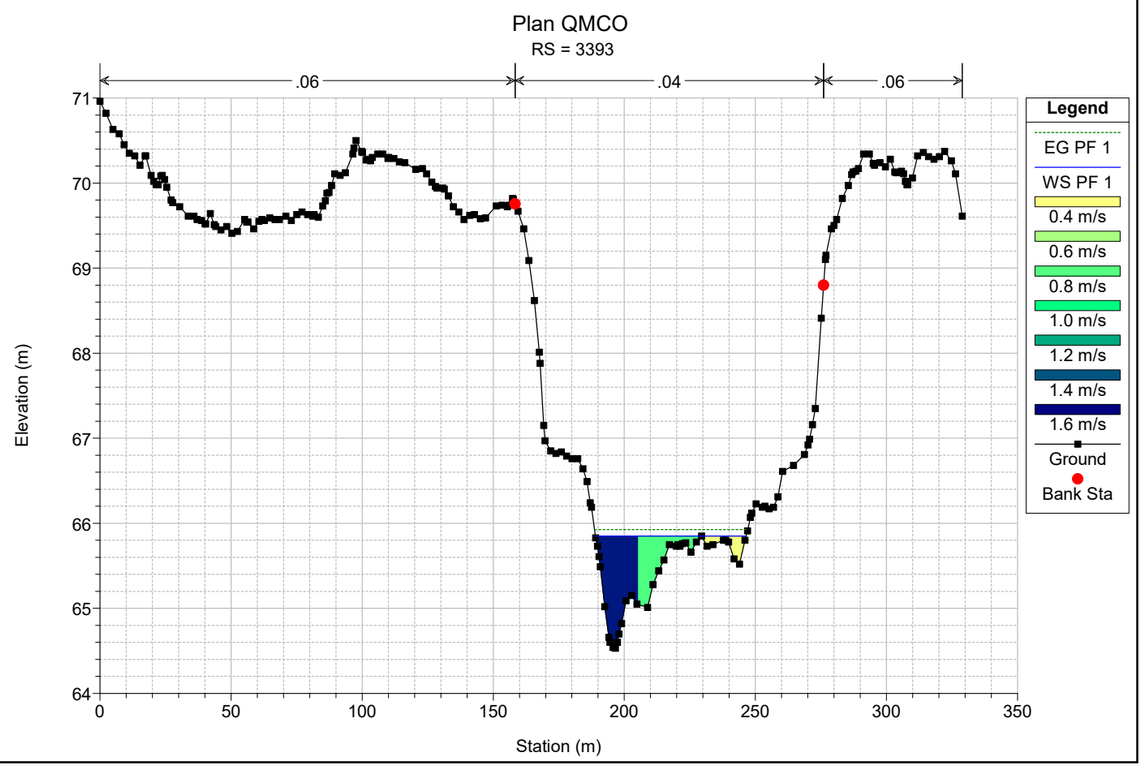

Plan QMCO
RS = 3576
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

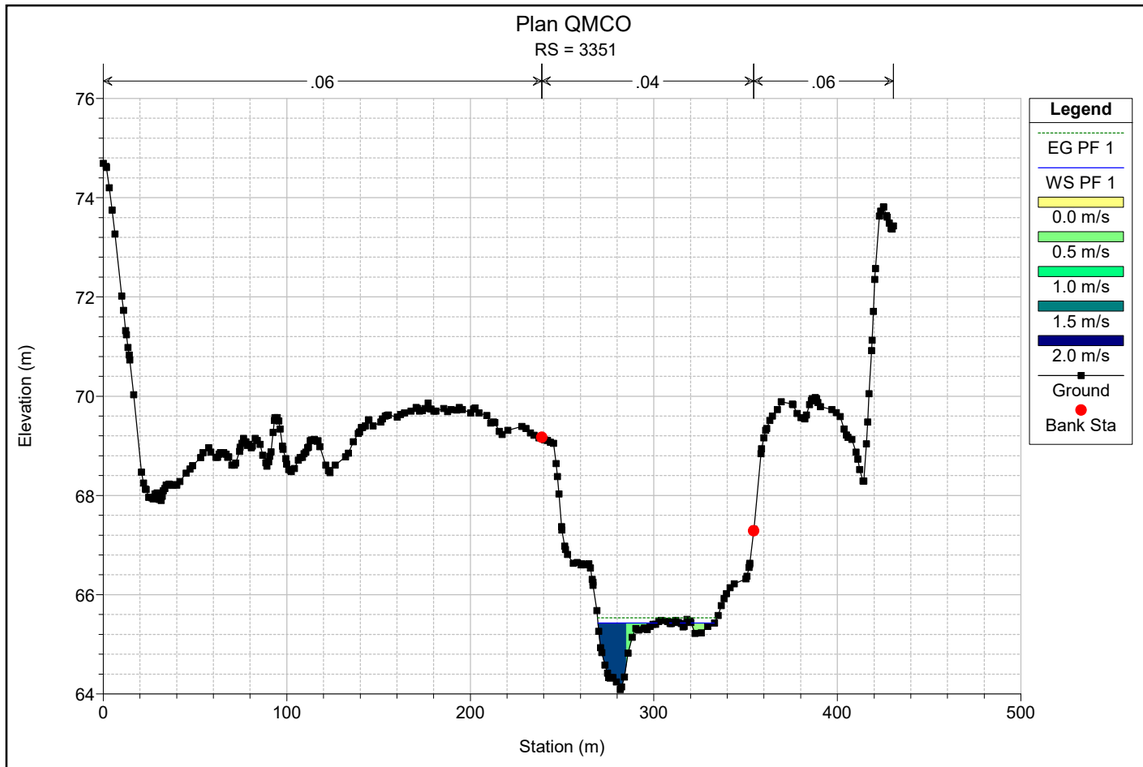

Plan QMCO
RS = 3538
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

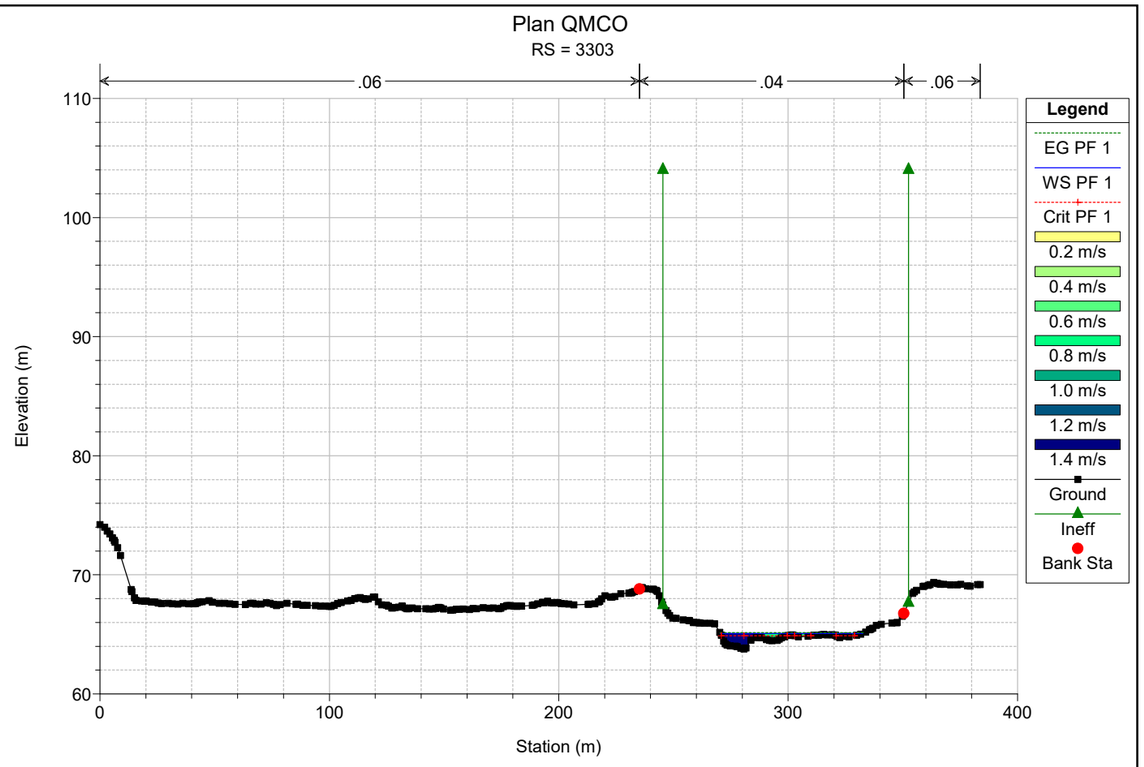

Plan QMCO
RS = 3508
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
Ground
Bank Sta

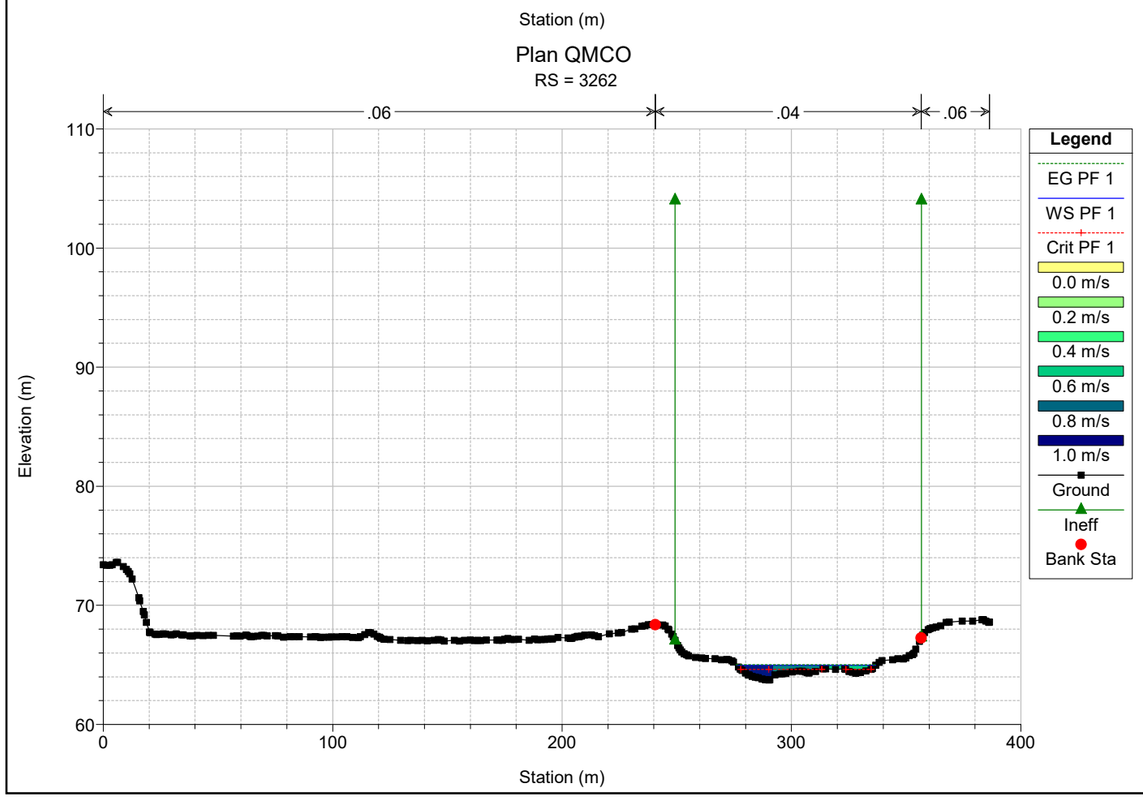

Plan QMCO
RS = 3475
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Bank Sta

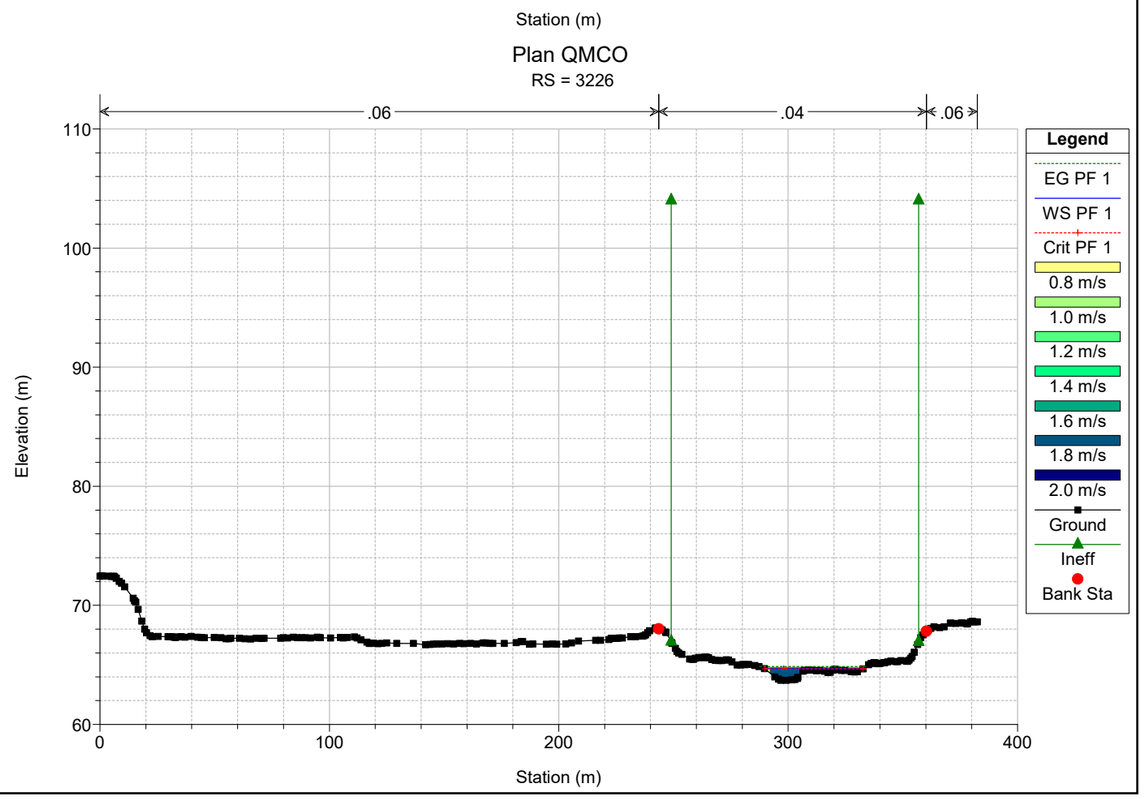

Plan QMCO
RS = 3432
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
Ground
Bank Sta

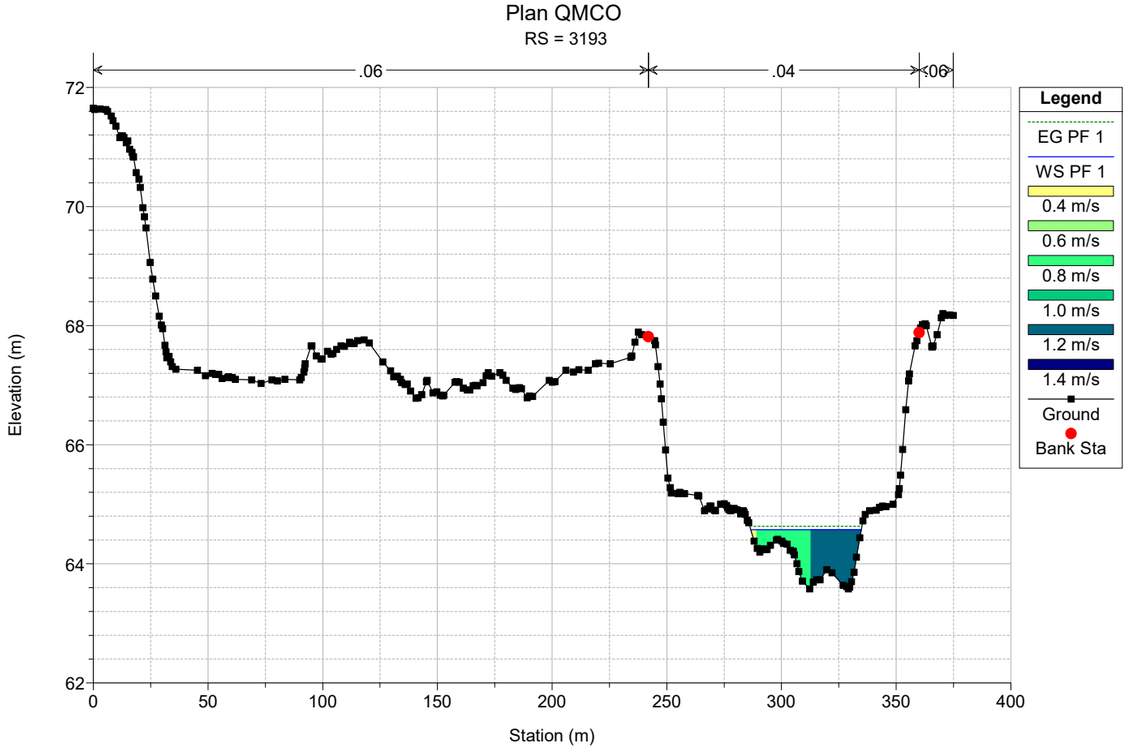

Plan QMCO
RS = 3393
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

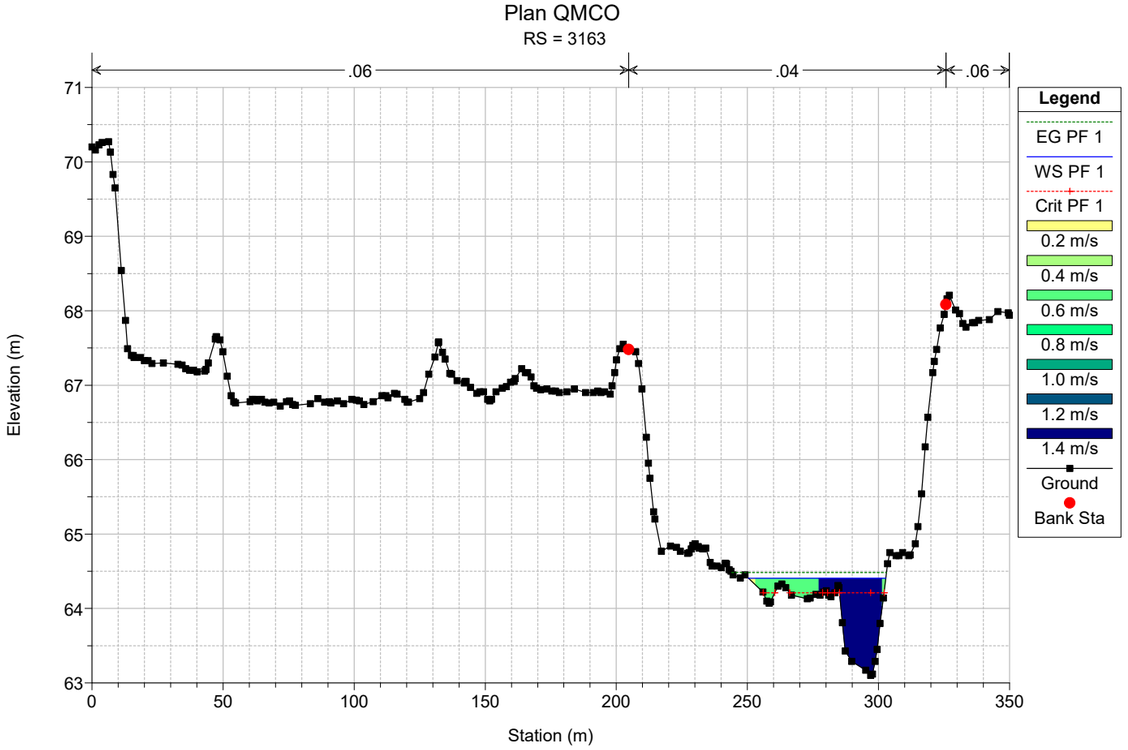

Plan QMCO
RS = 3351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

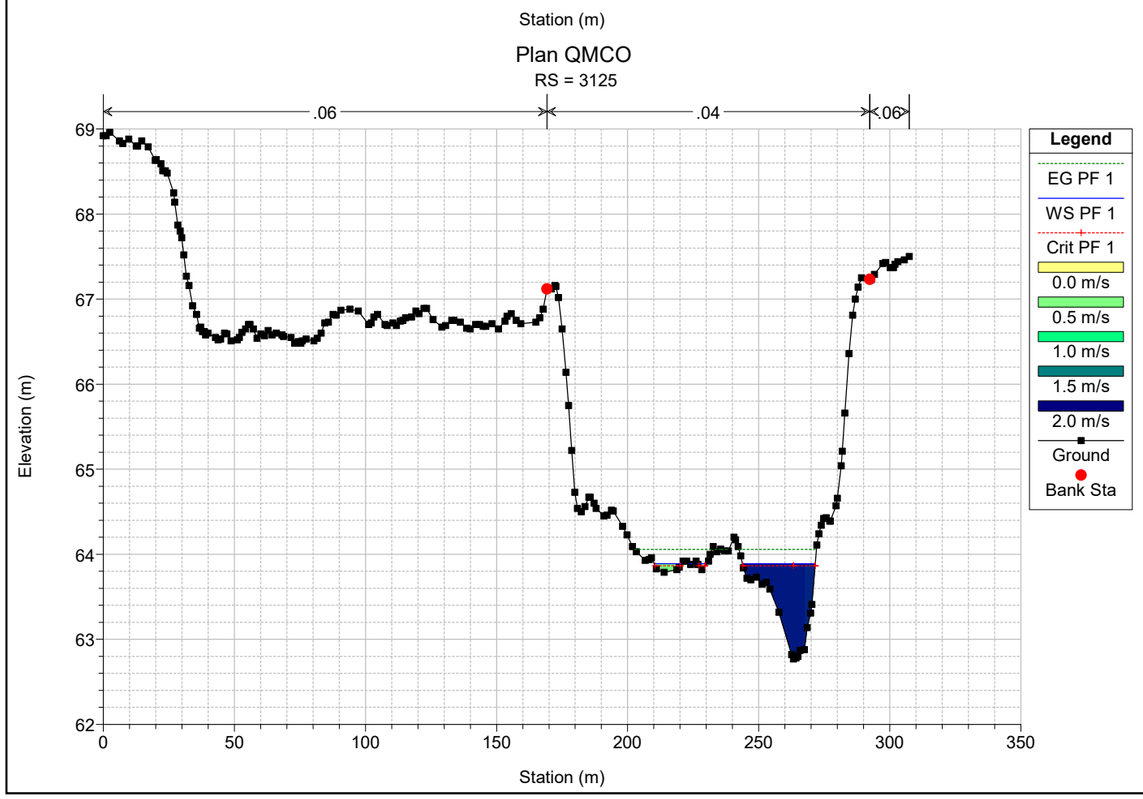

Plan QMCO
RS = 3303
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

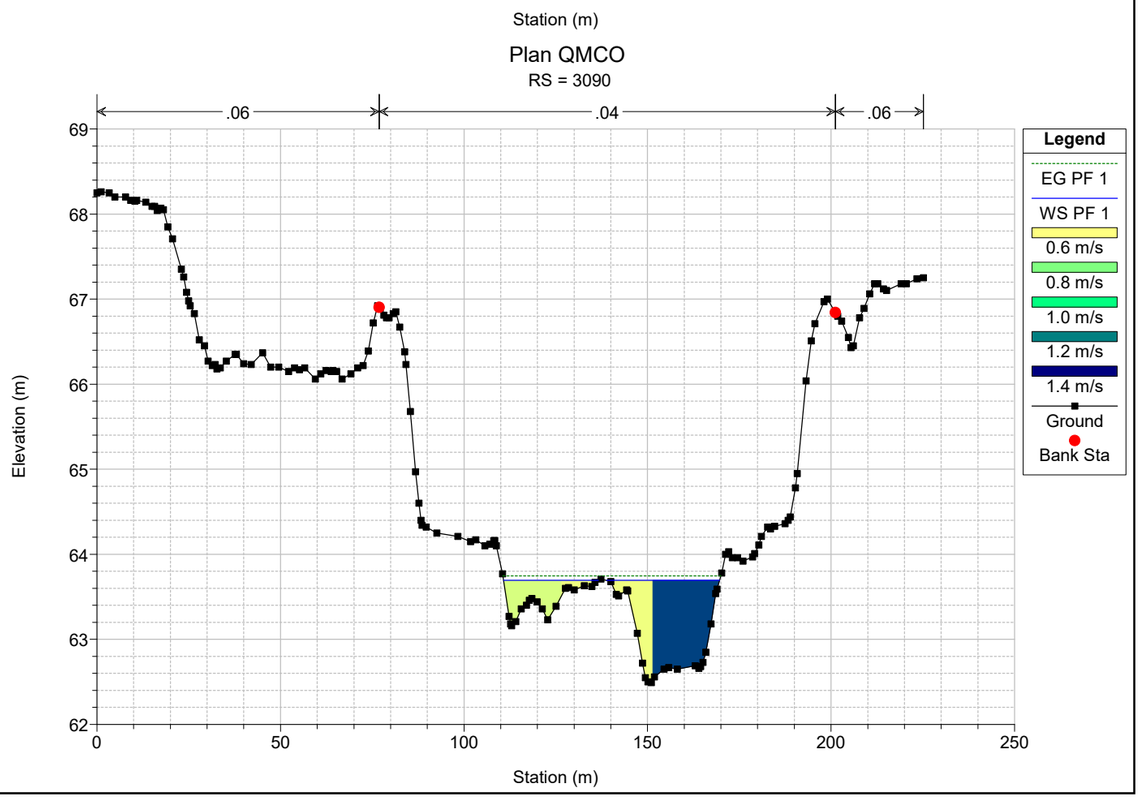

Plan QMCO
RS = 3262
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
Ground
Ineff
Bank Sta

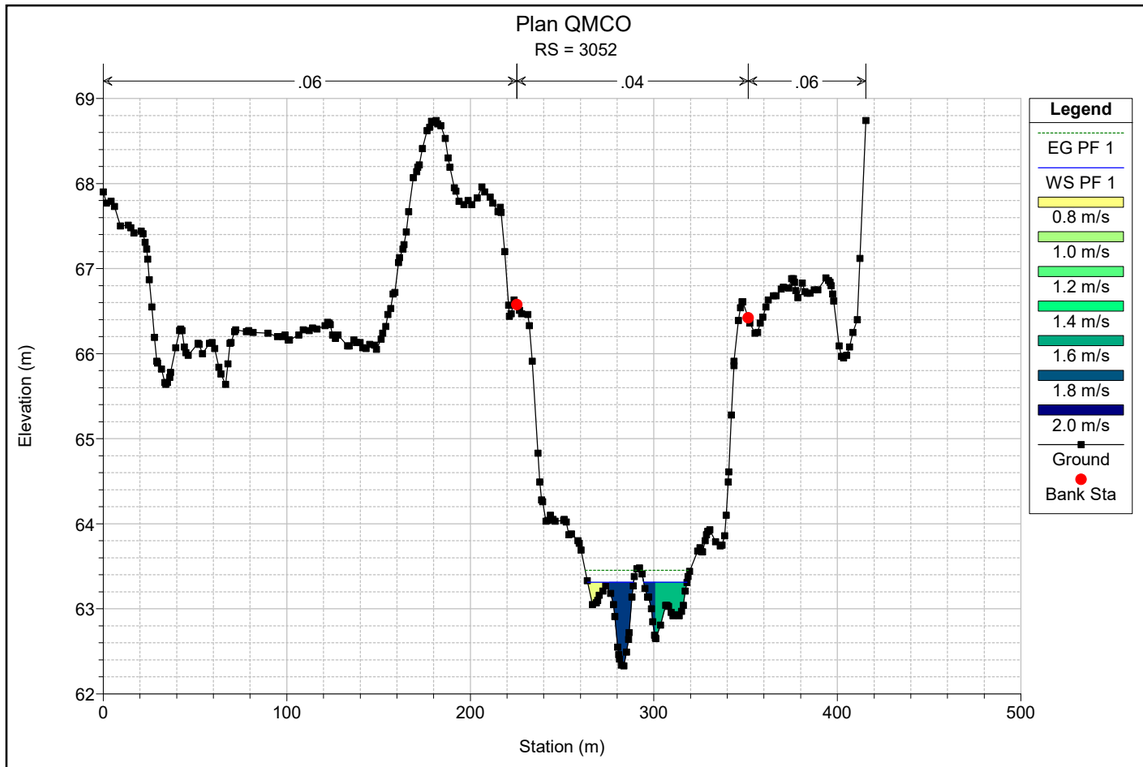

Plan QMCO
RS = 3226
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

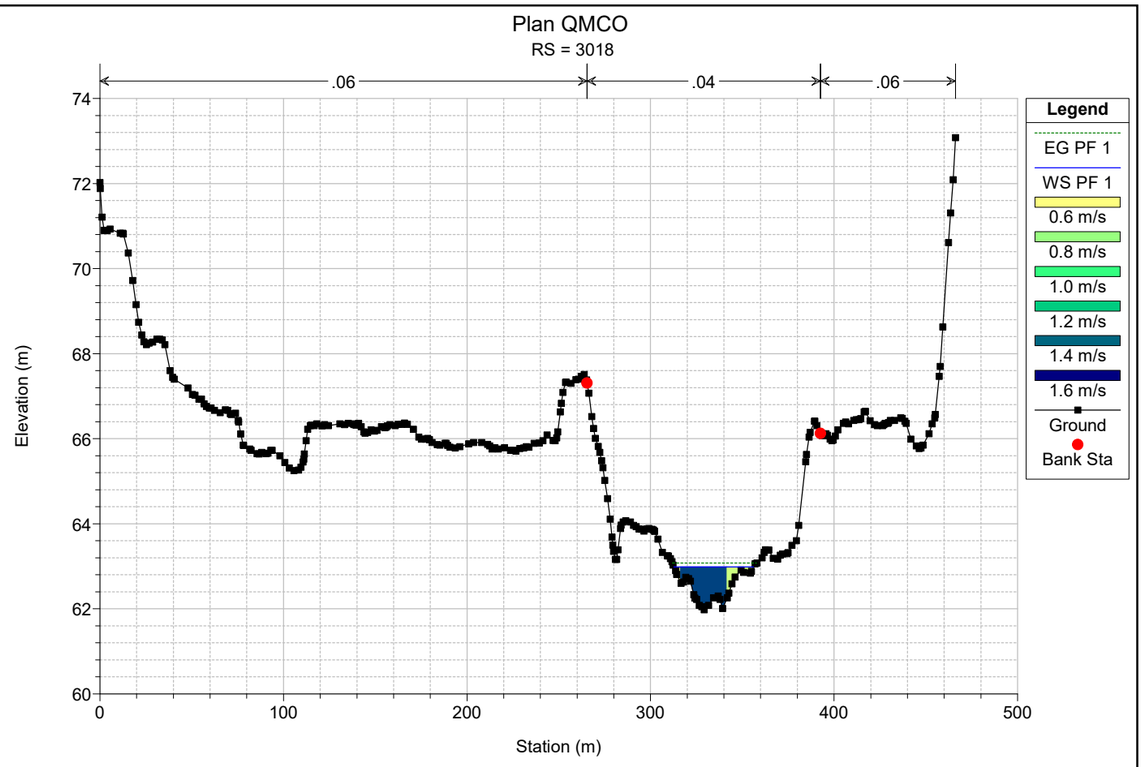

Plan QMCO
RS = 3193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

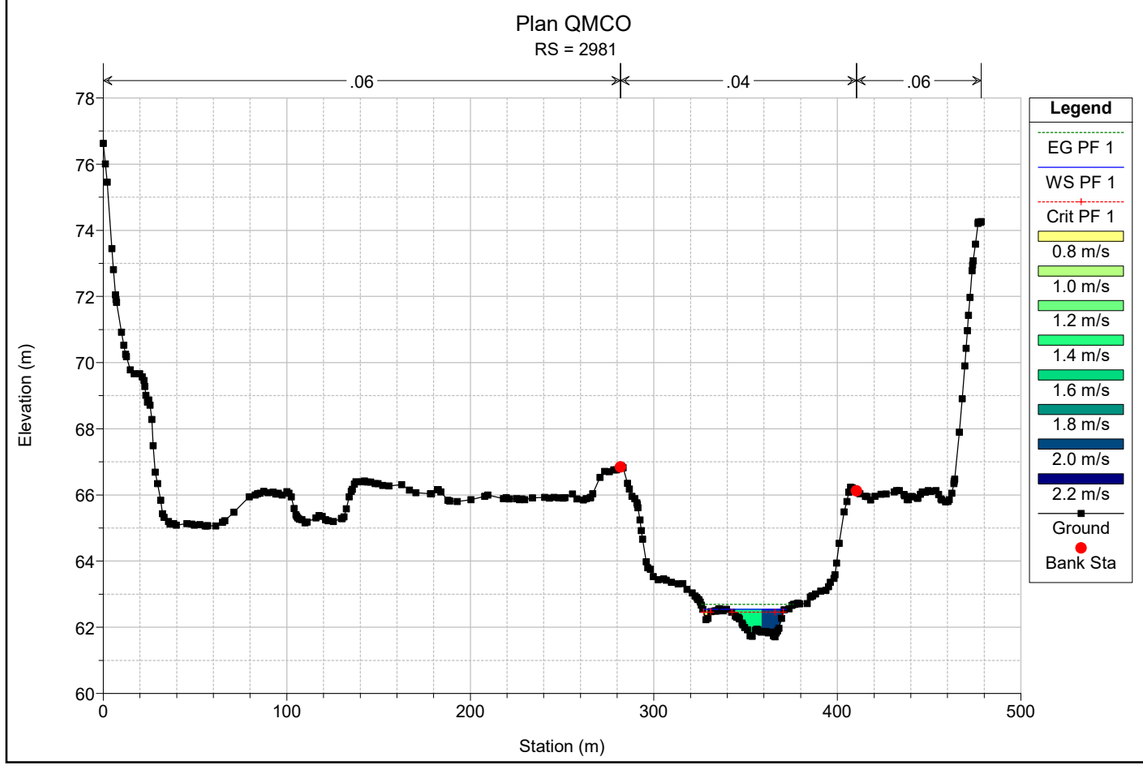

Plan QMCO
RS = 3163
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

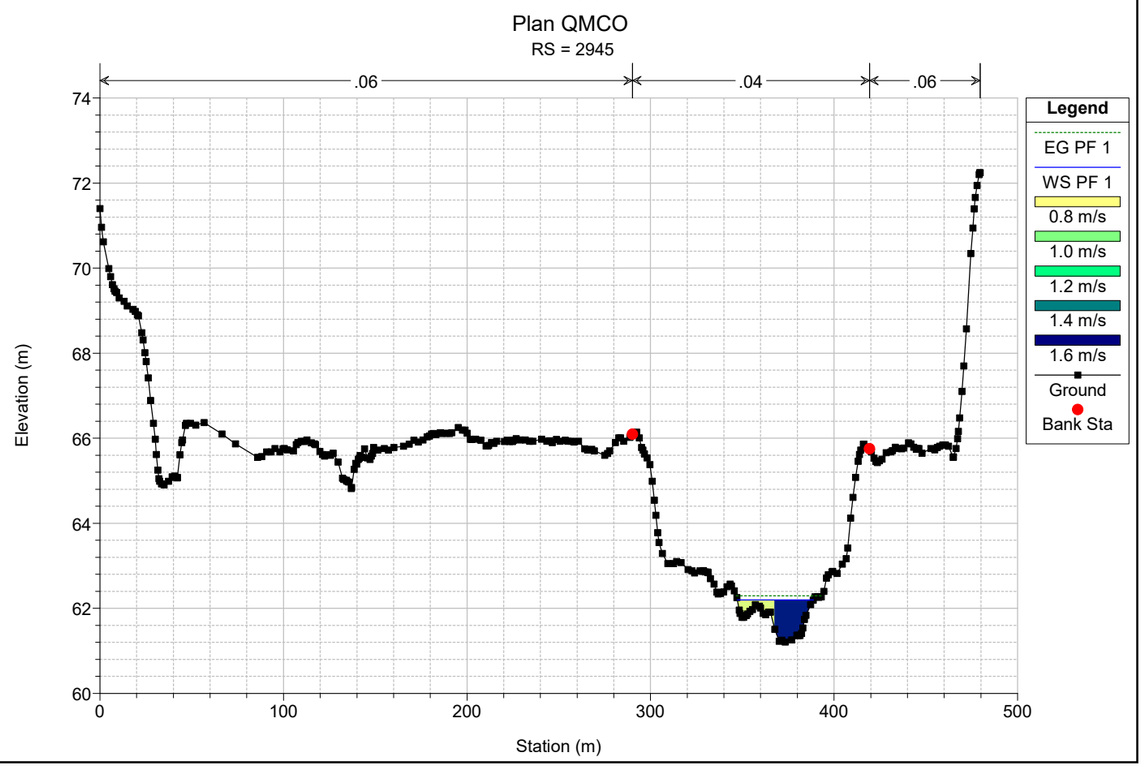

Plan QMCO
RS = 3125
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

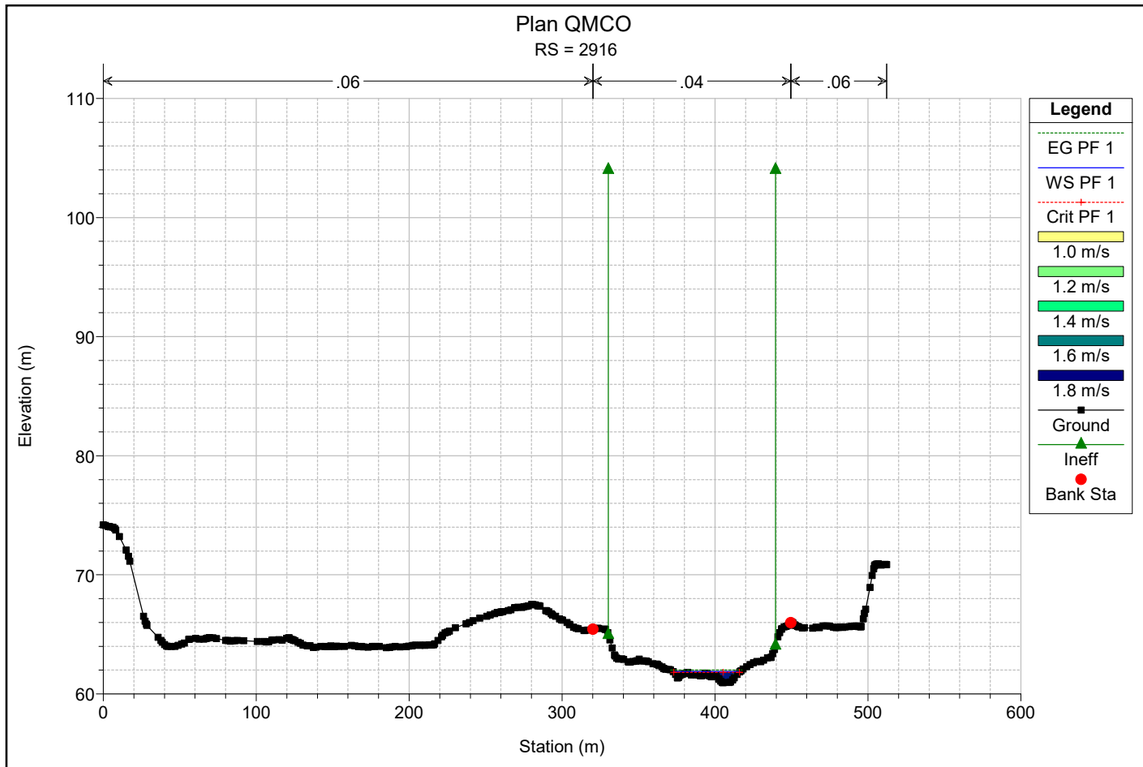

Plan QMCO
RS = 3090
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

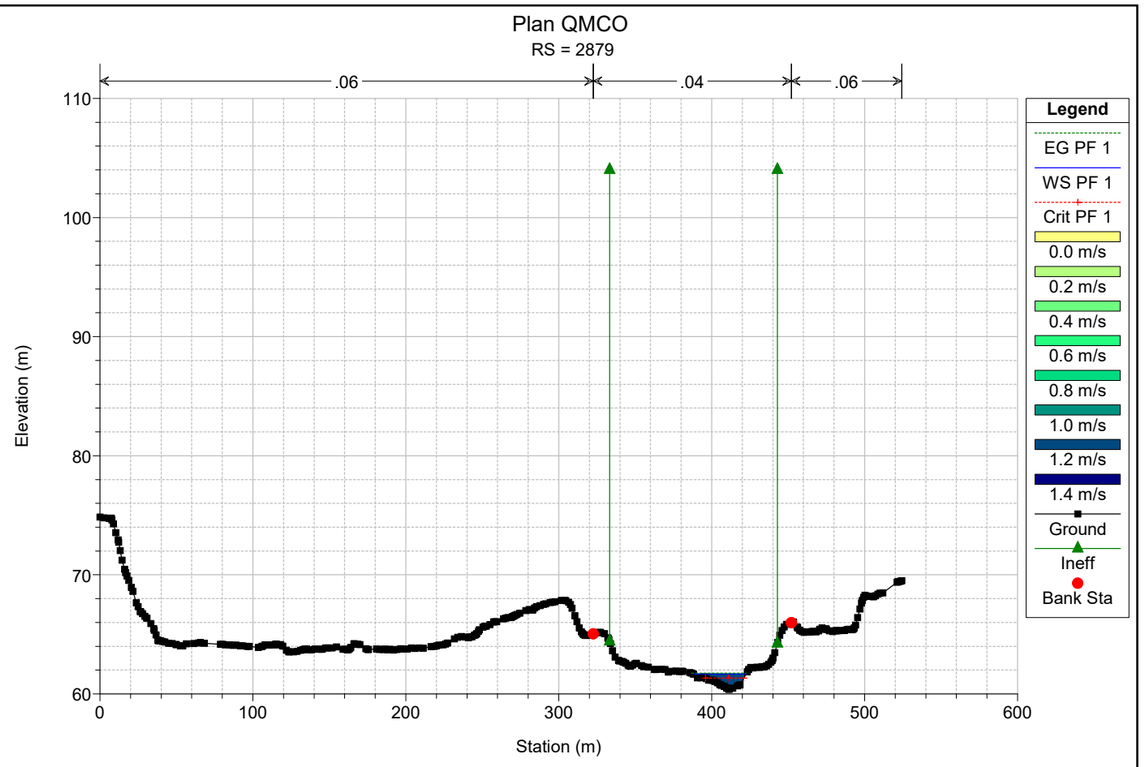

Plan QMCO
RS = 3052
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

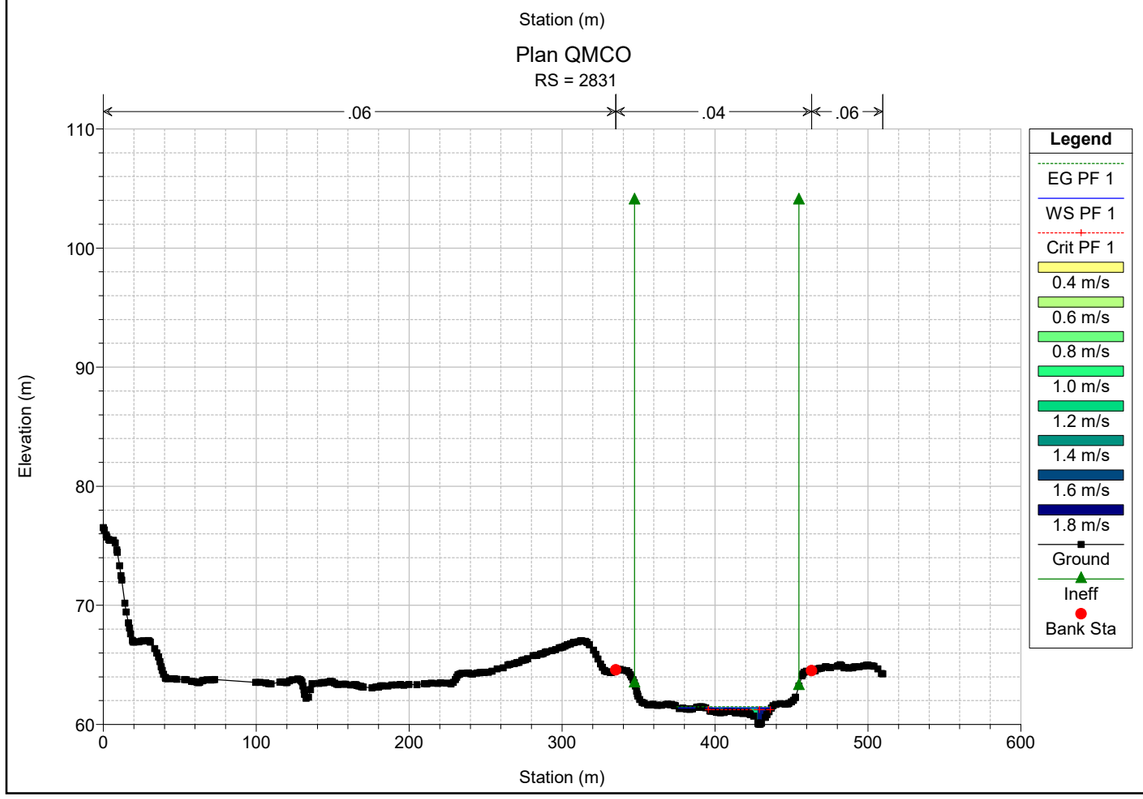

Plan QMCO
RS = 3018
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

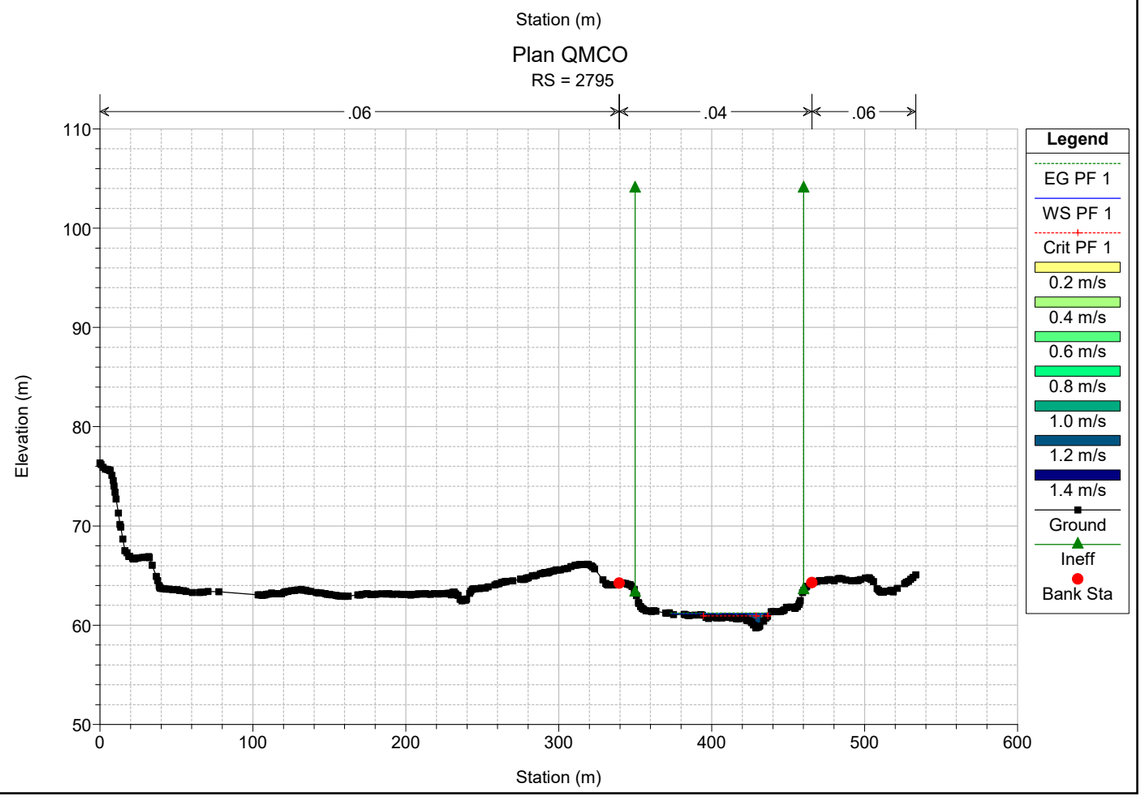

Plan QMCO
RS = 2981
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Bank Sta

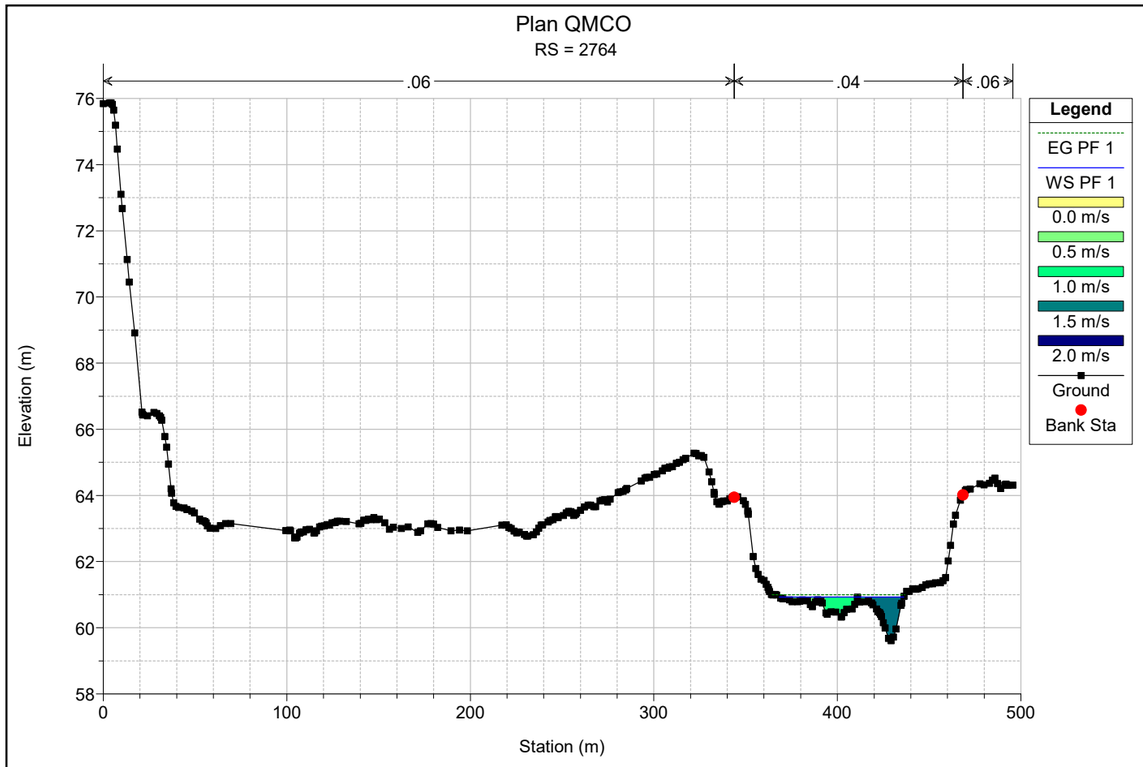

Plan QMCO
RS = 2945
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

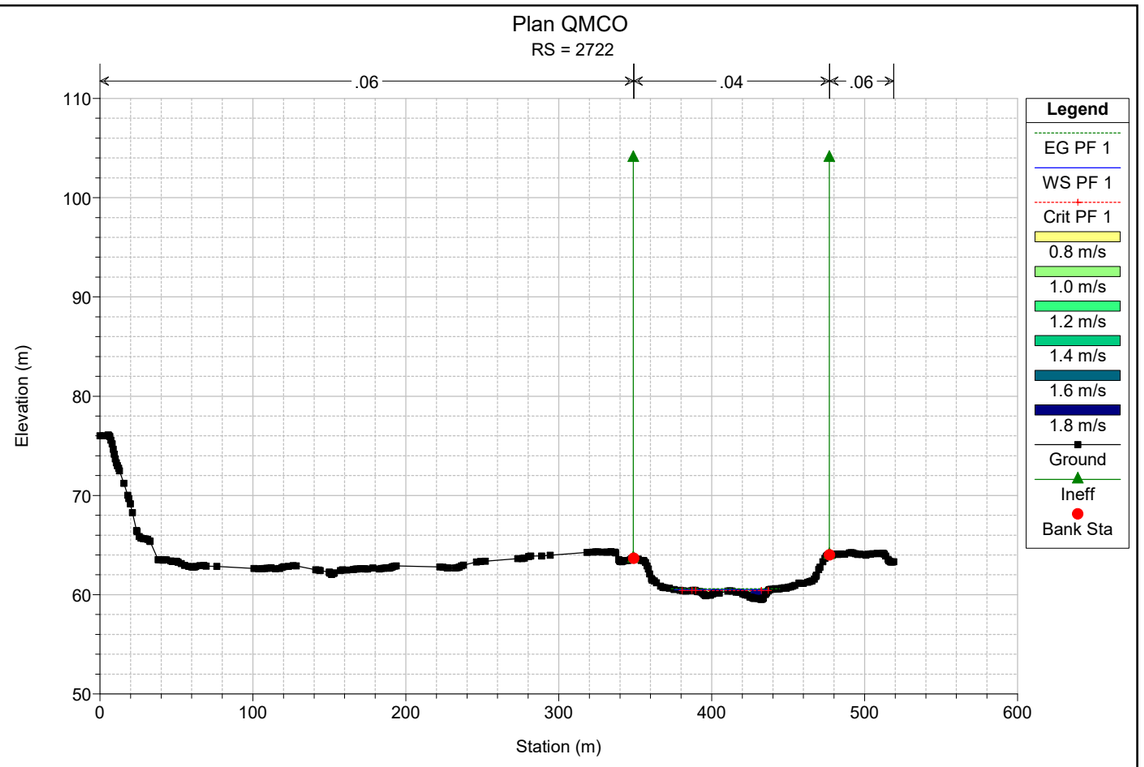

Plan QMCO
RS = 2916
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

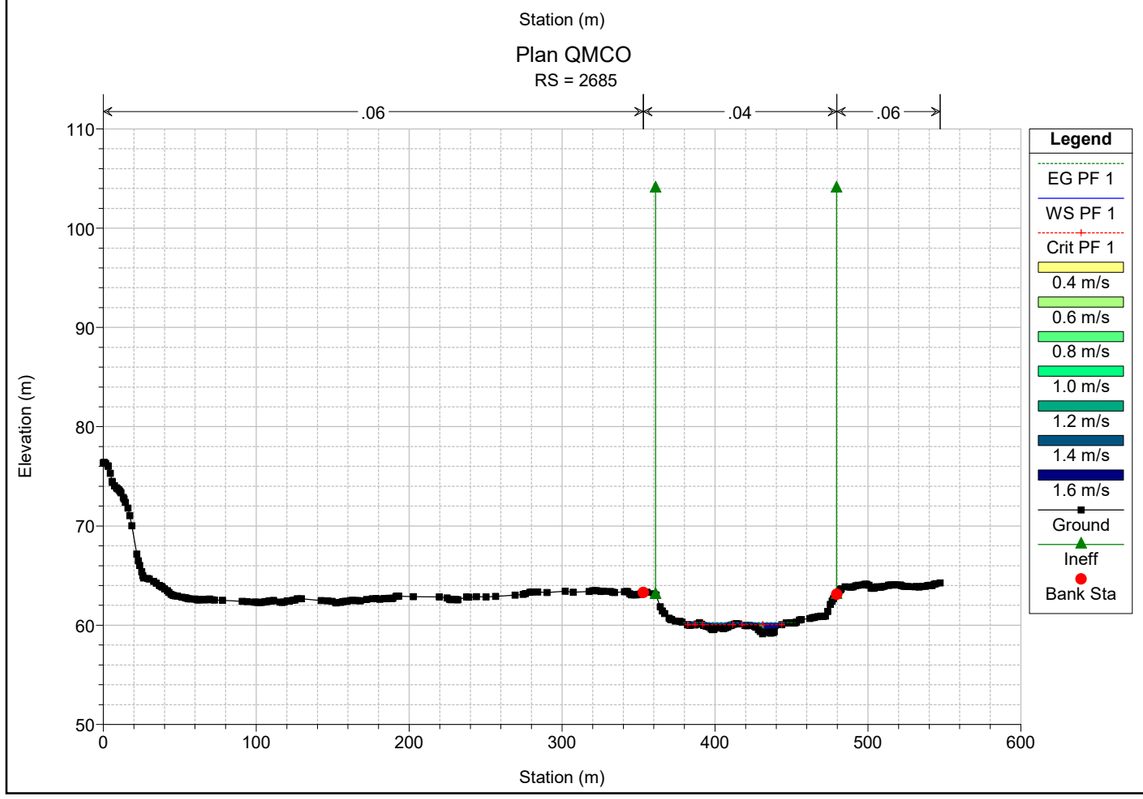

Plan QMCO
RS = 2879
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

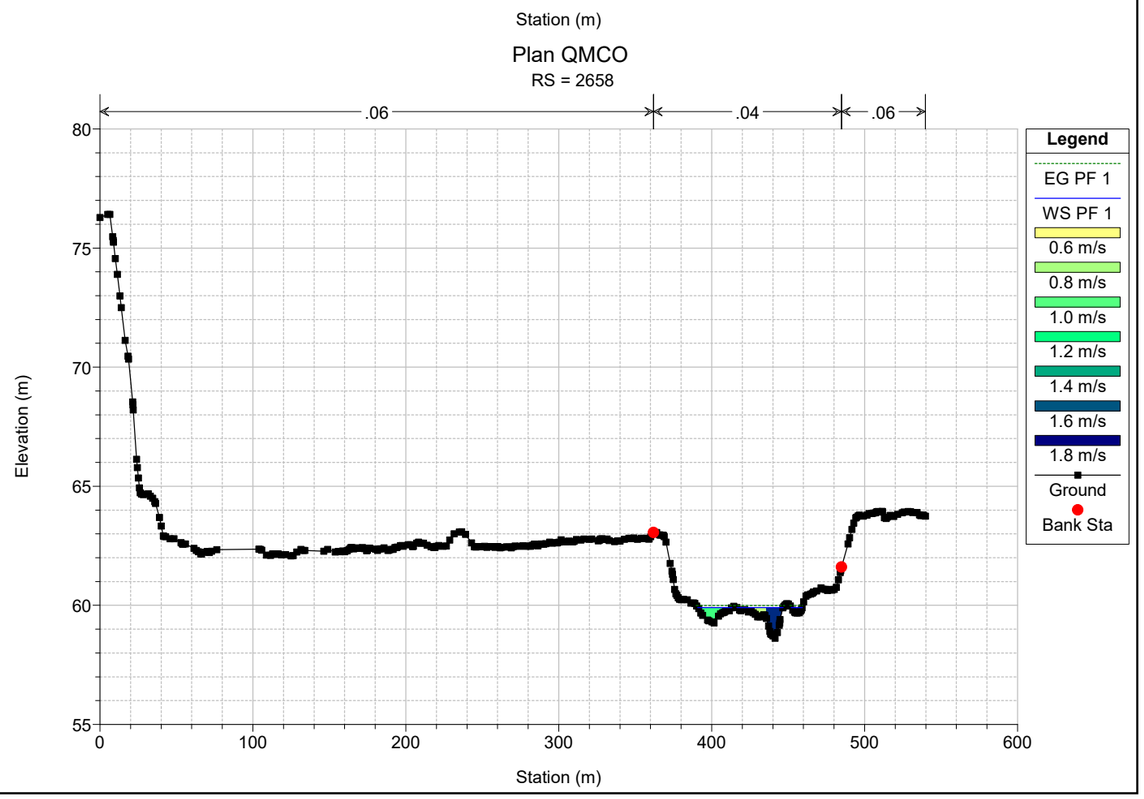

Plan QMCO
RS = 2831
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

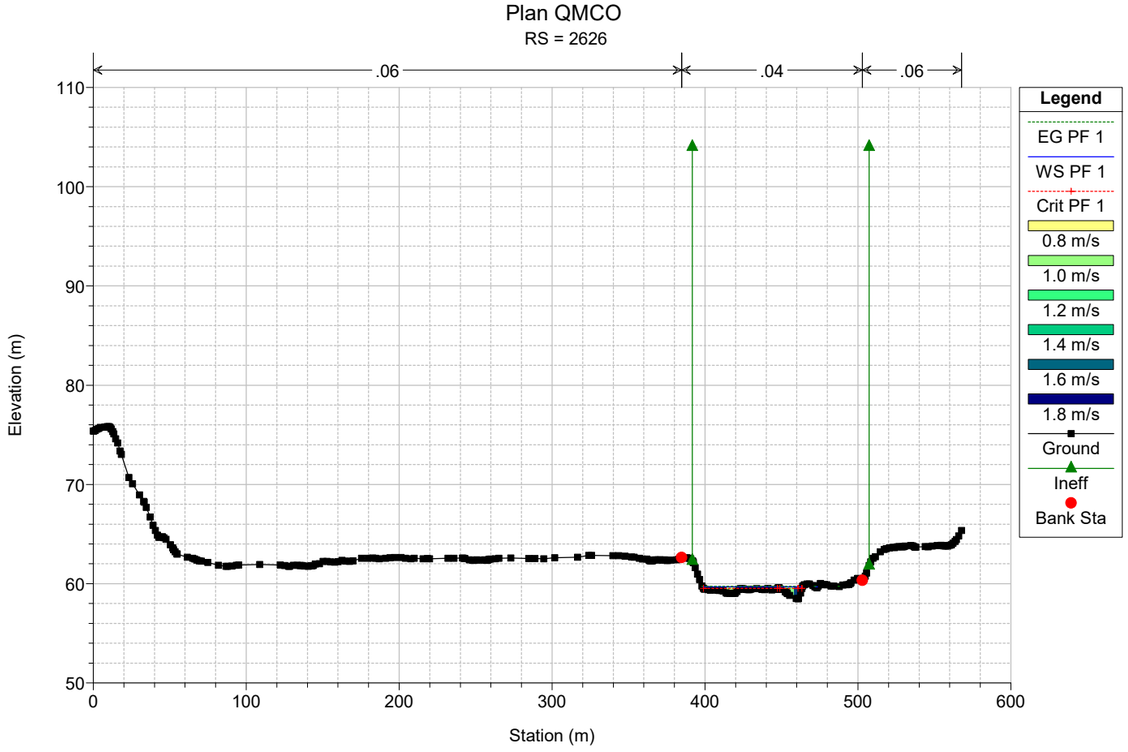

Plan QMCO
RS = 2795
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

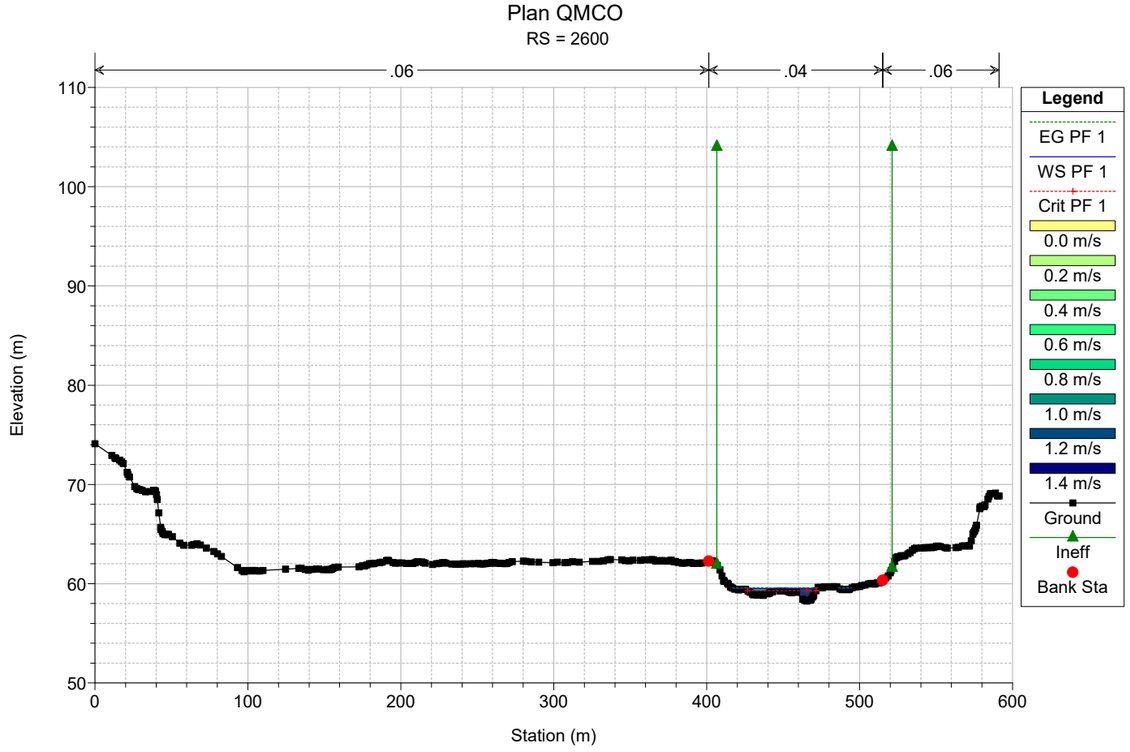

Plan QMCO
RS = 2764
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

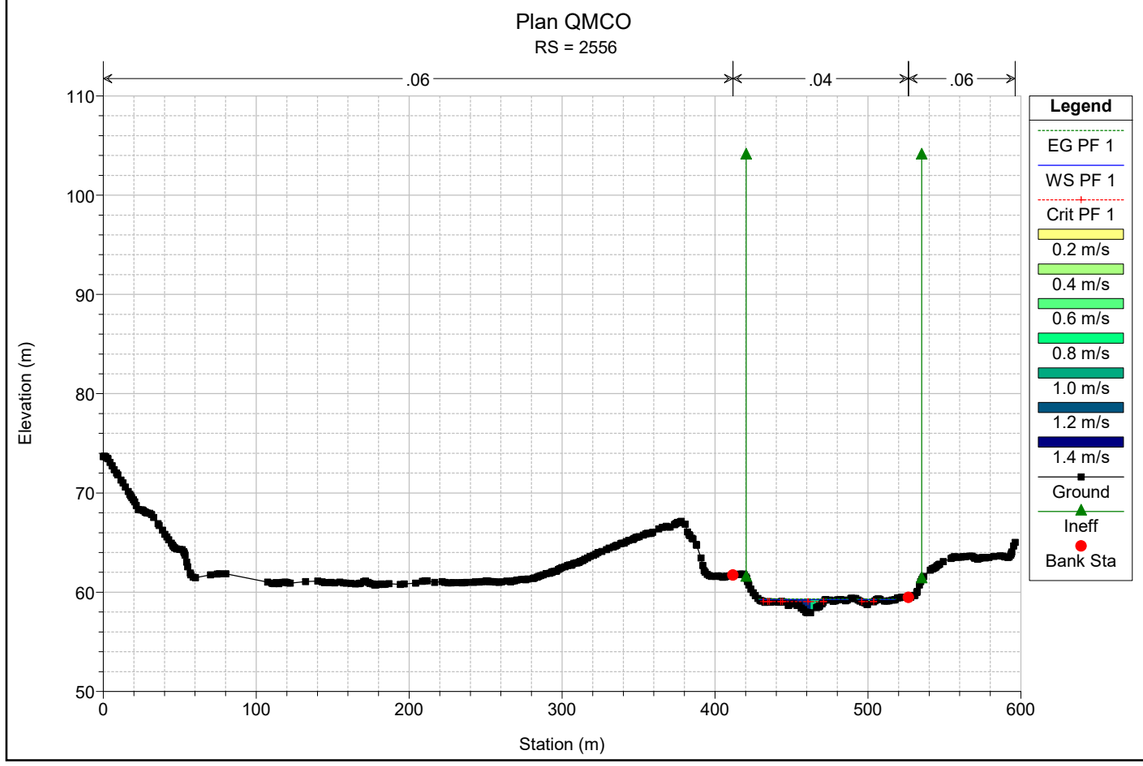

Plan QMCO
RS = 2722
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

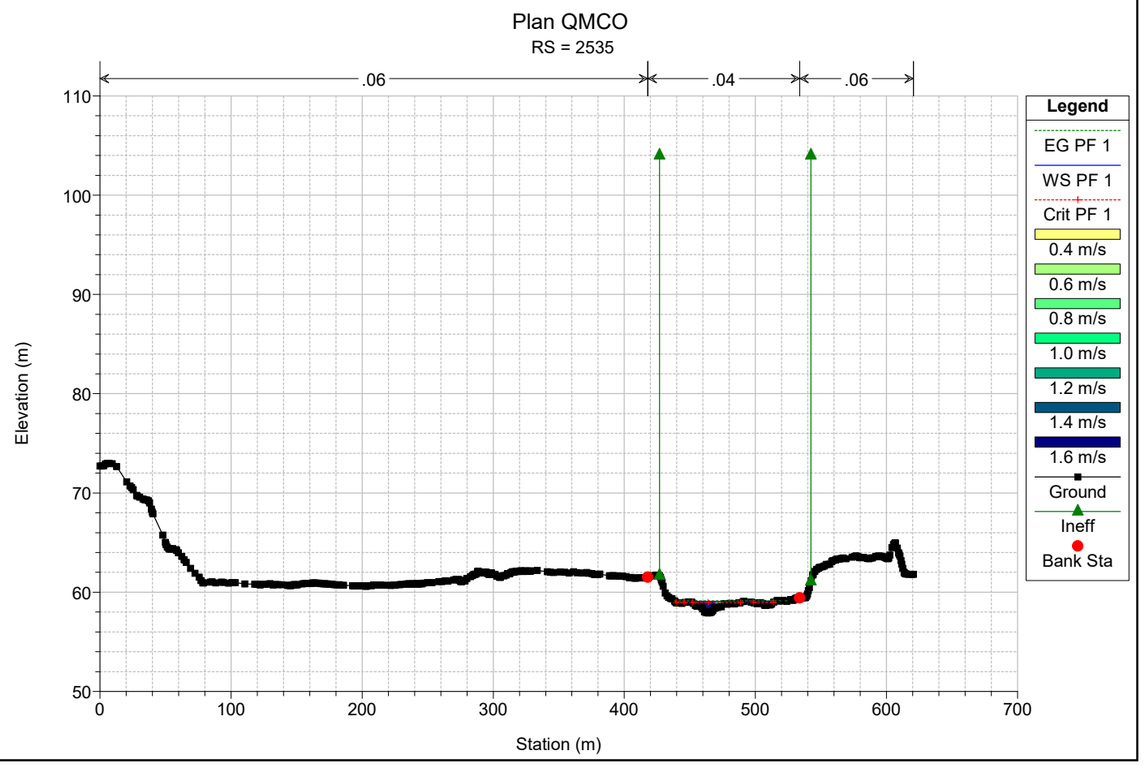

Plan QMCO
RS = 2685
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

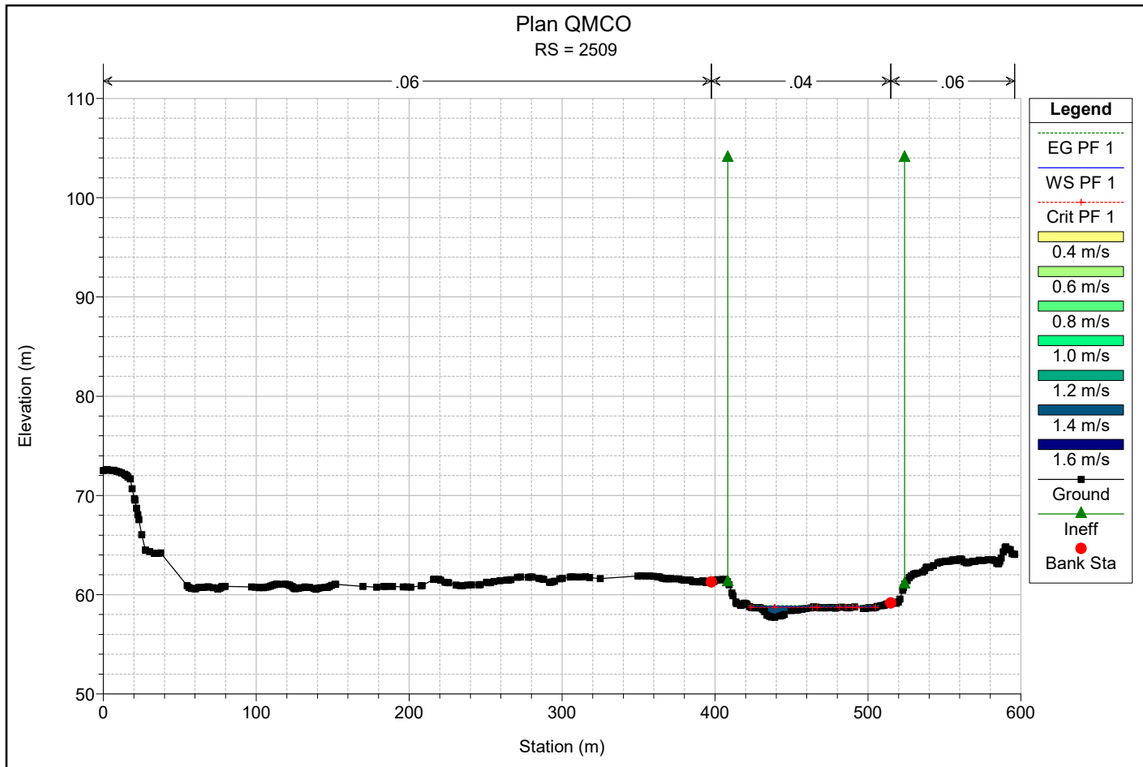

Plan QMCO
RS = 2658
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

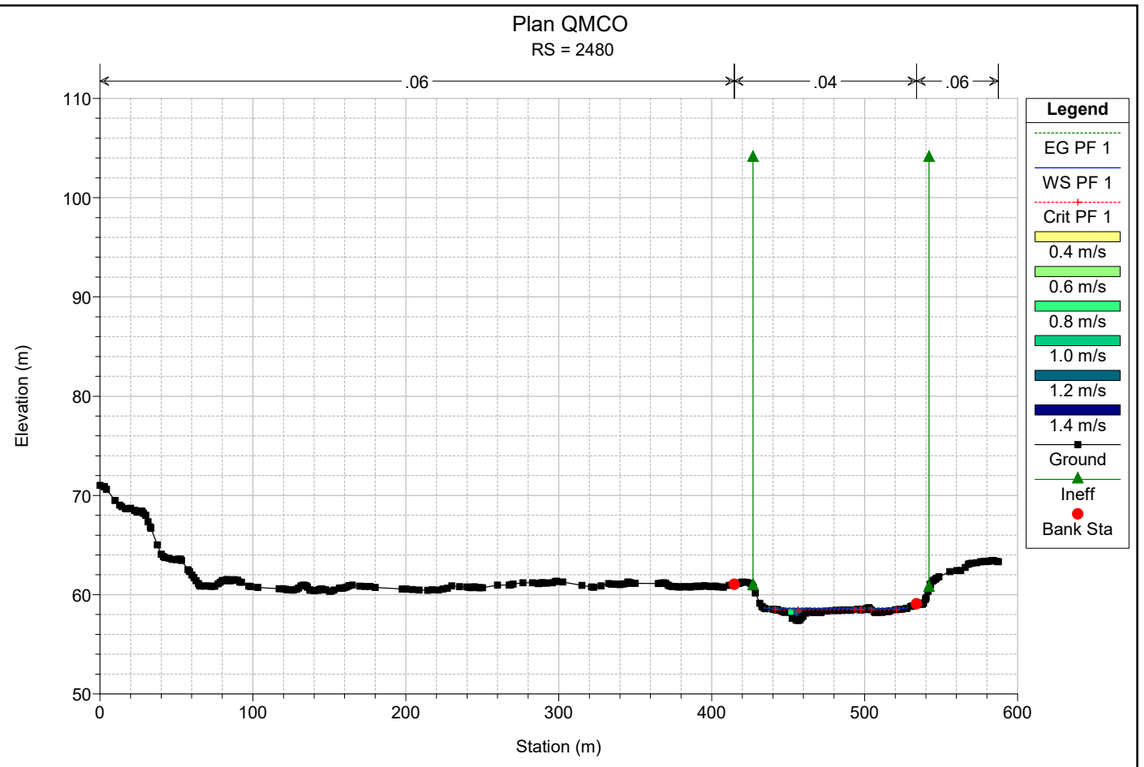

Plan QMCO
RS = 2626
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

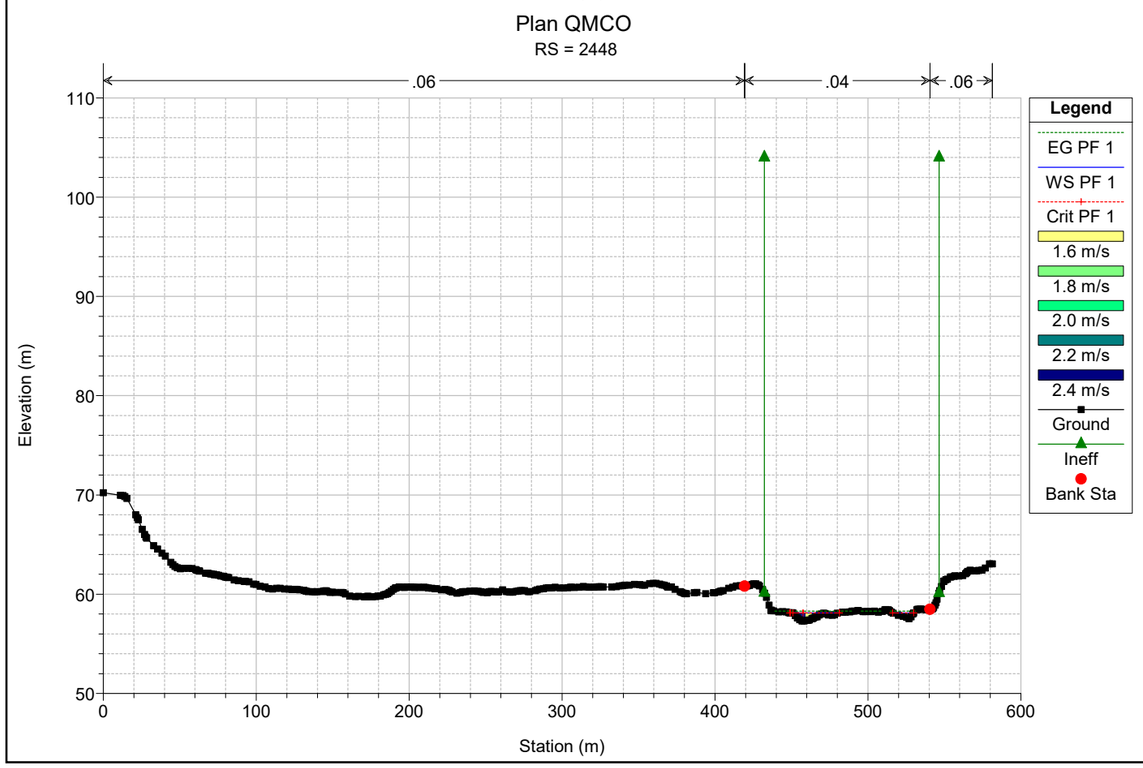

Plan QMCO
RS = 2600
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

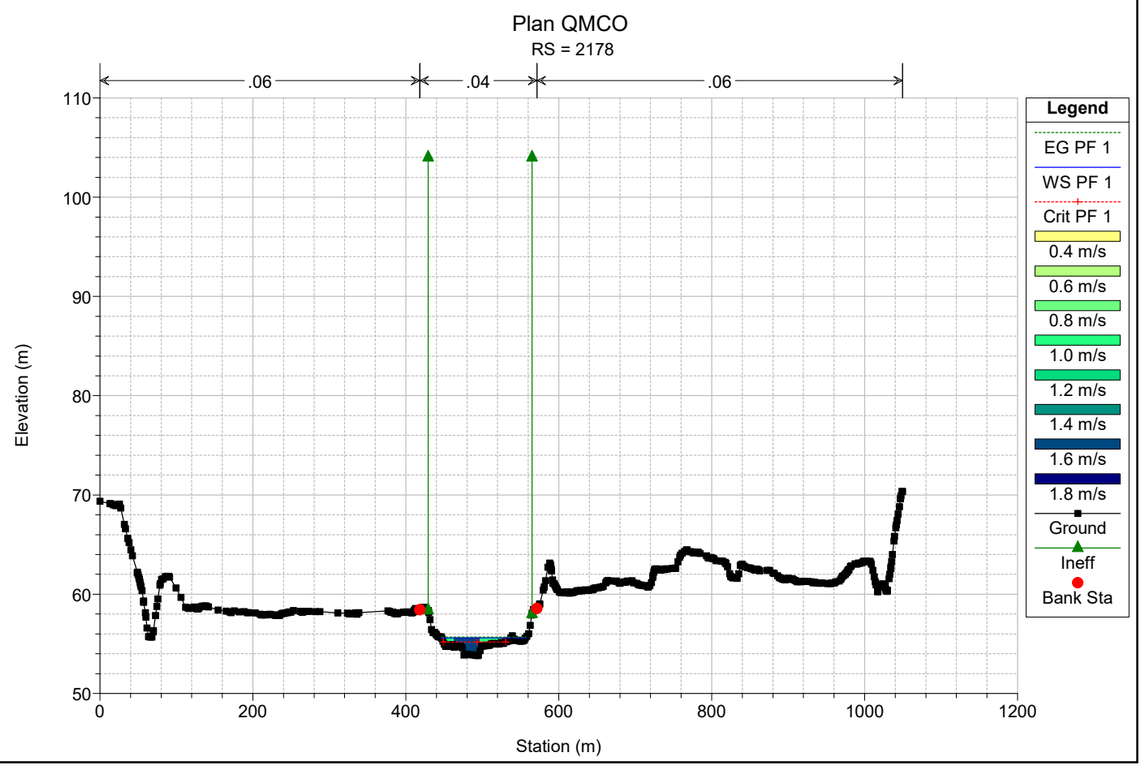

Plan QMCO
RS = 2556
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

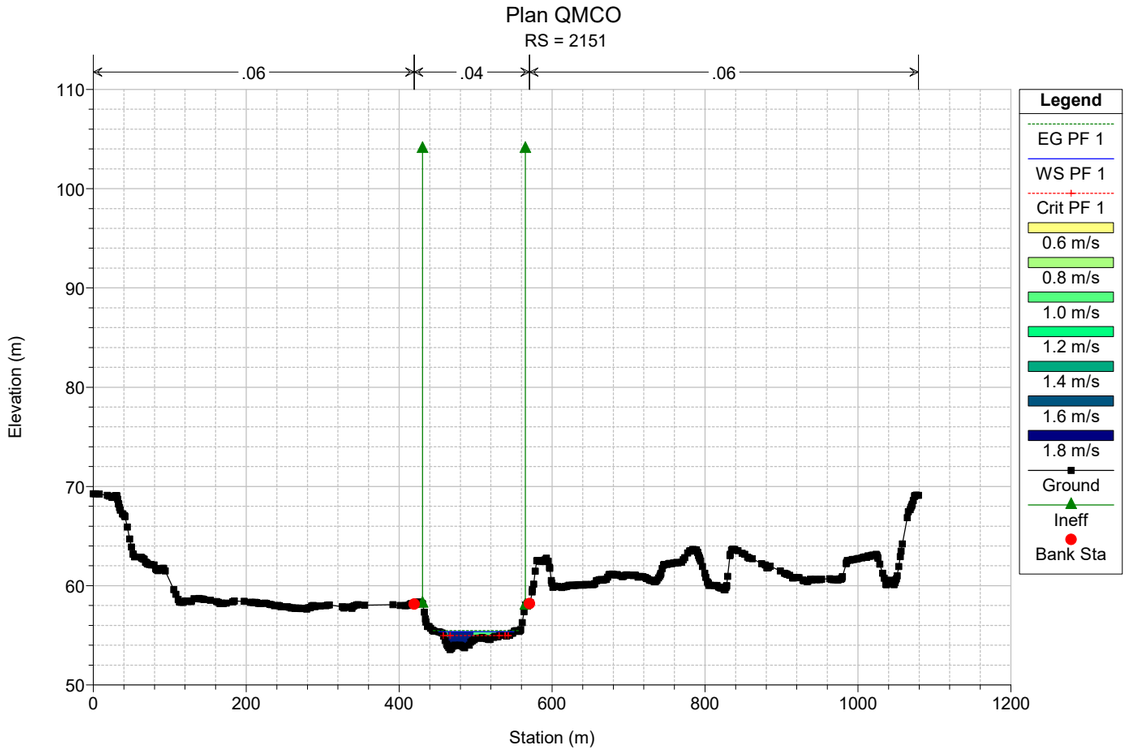

Plan QMCO
RS = 2535
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

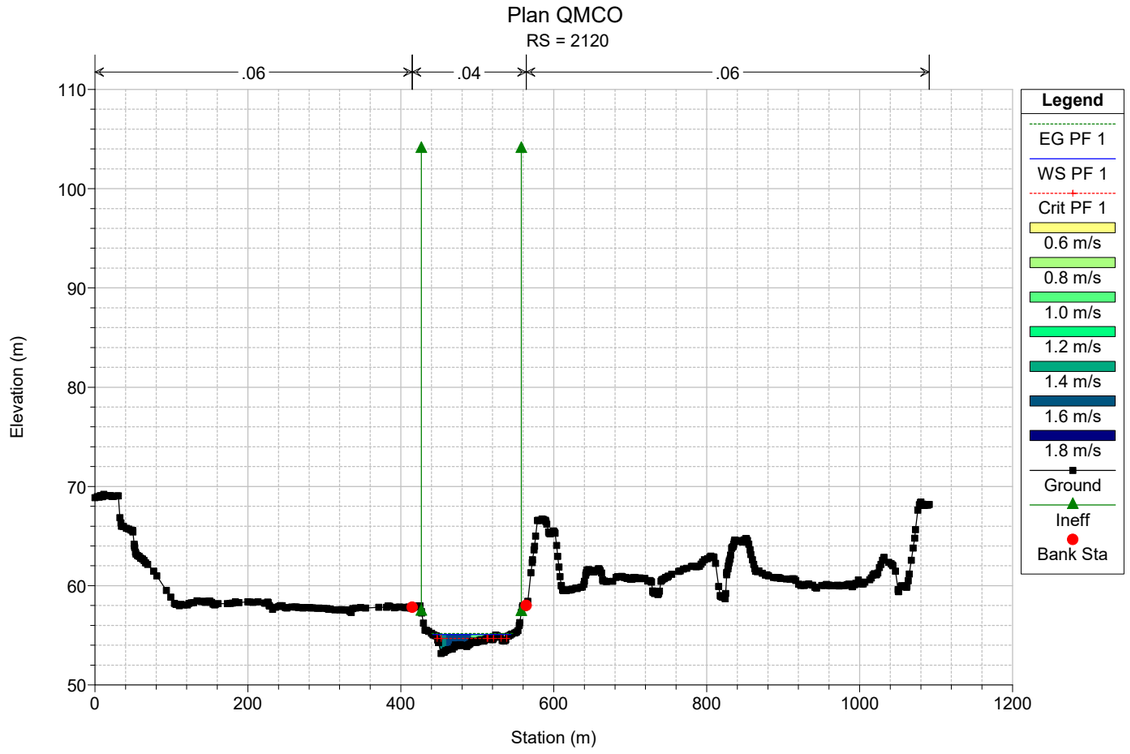

Plan QMCO
RS = 2509
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

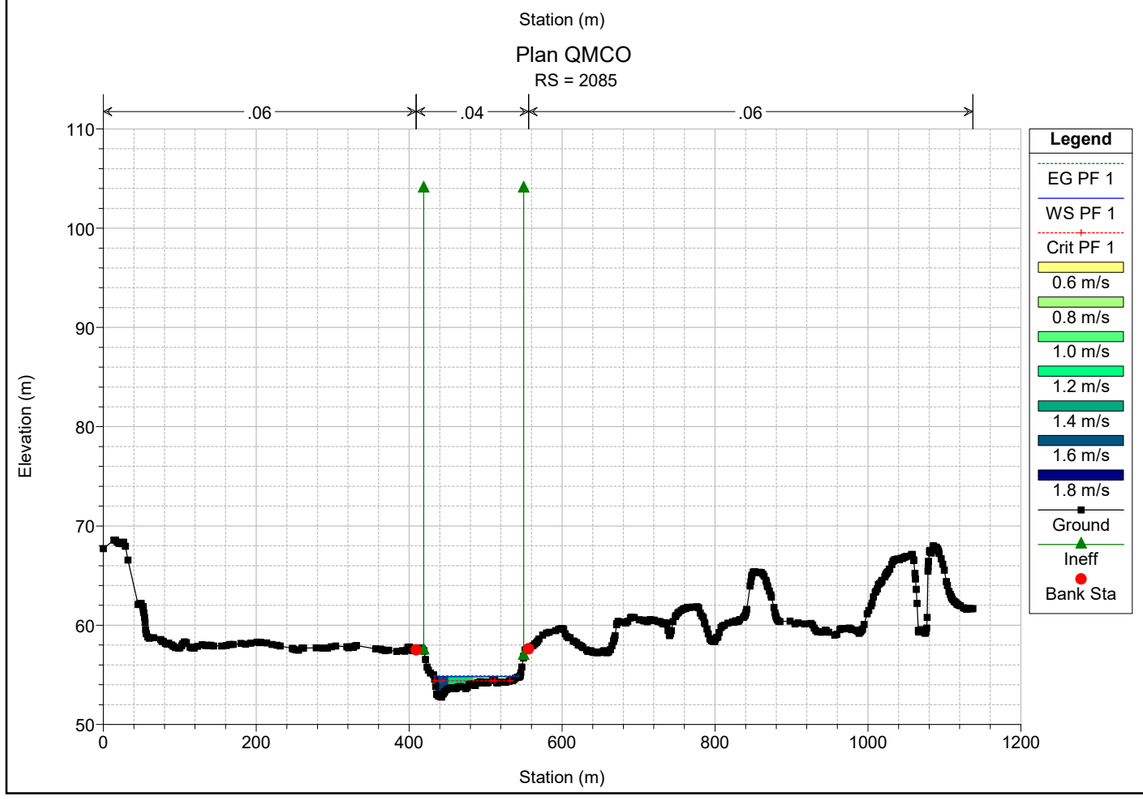

Plan QMCO
RS = 2480
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

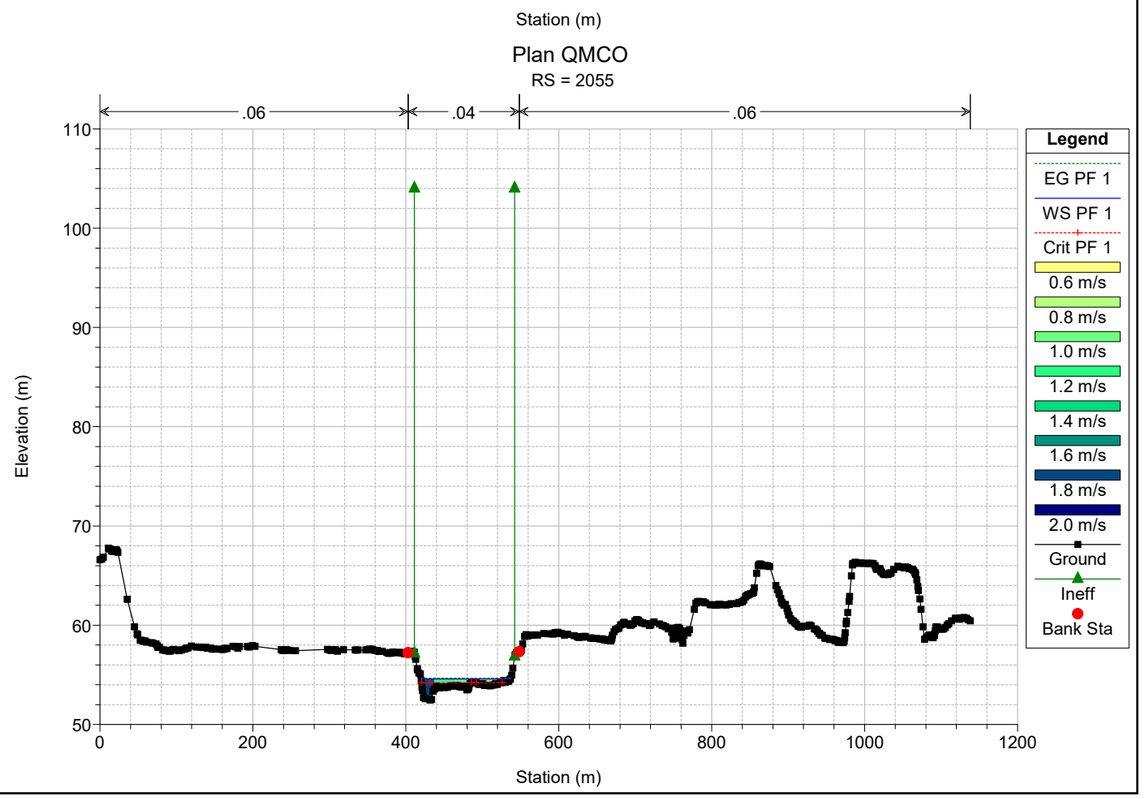

Plan QMCO
RS = 2448
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

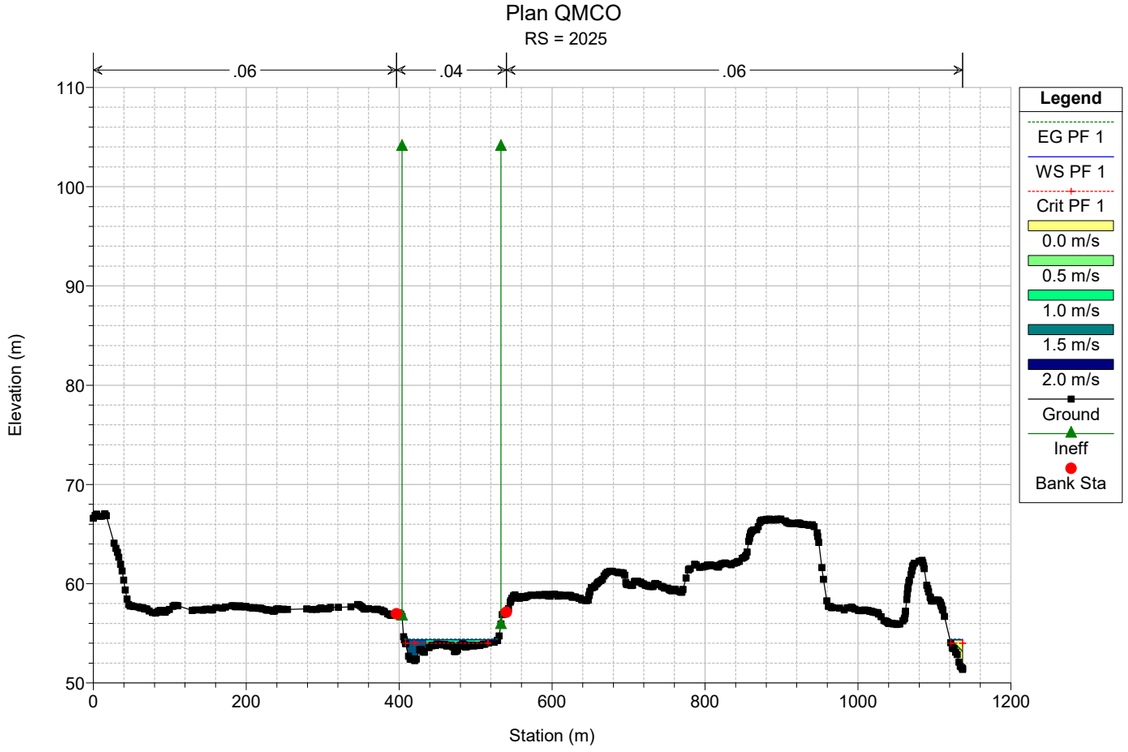

Plan QMCO
RS = 2178
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

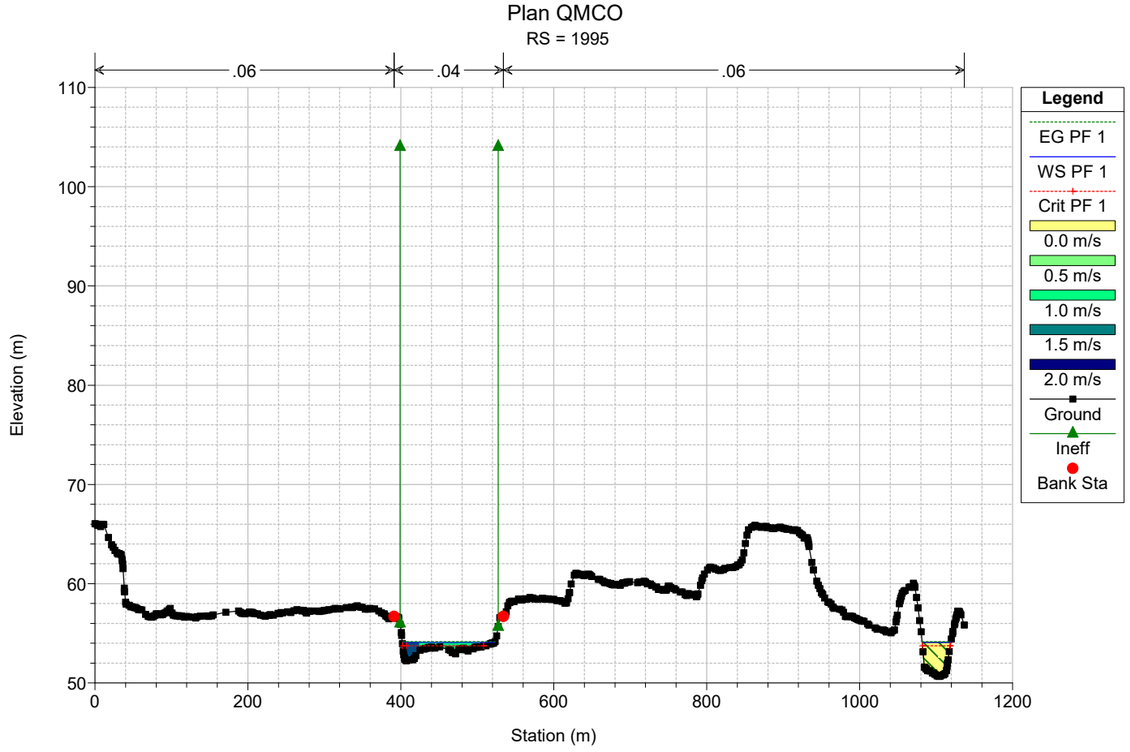

Plan QMCO
RS = 2151
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

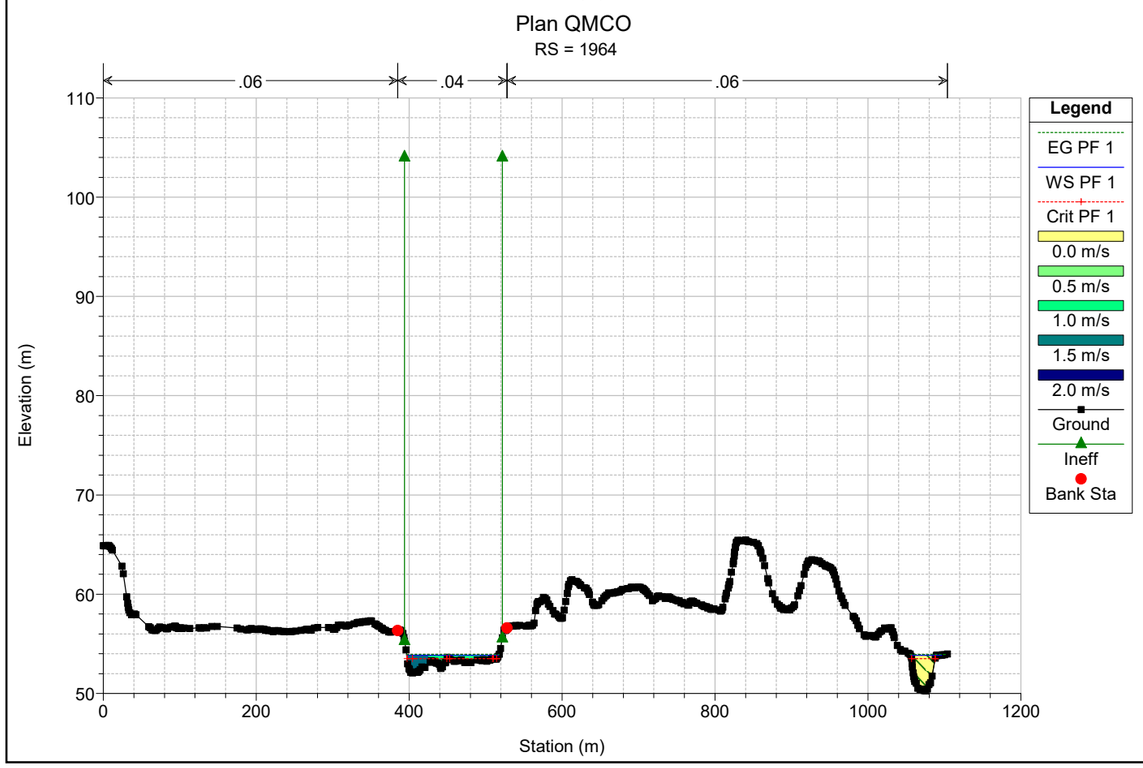

Plan QMCO
RS = 2120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

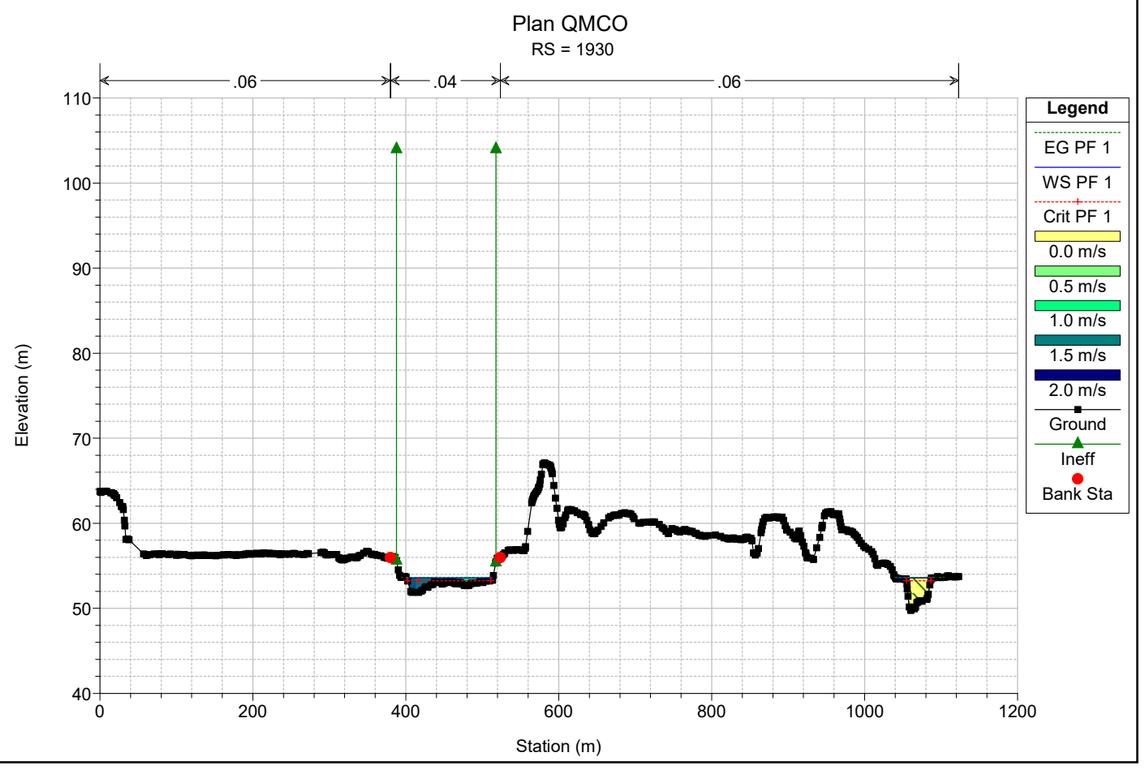

Plan QMCO
RS = 2085
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

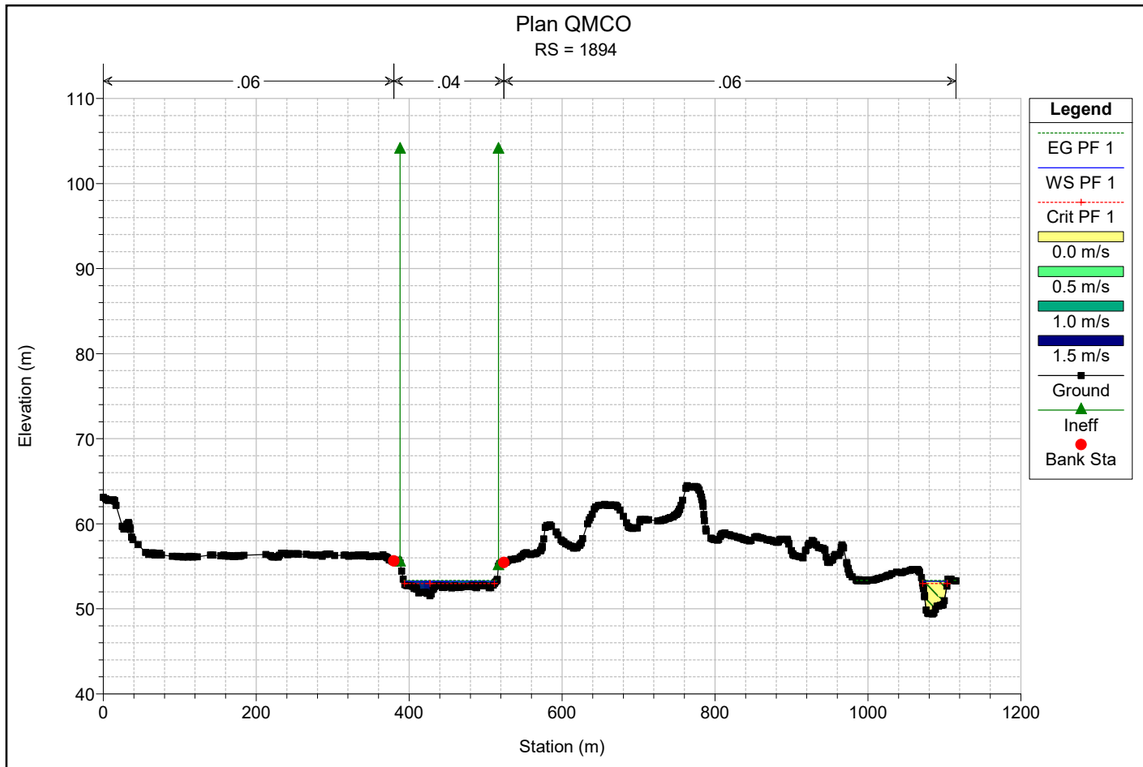

Plan QMCO
RS = 2055
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

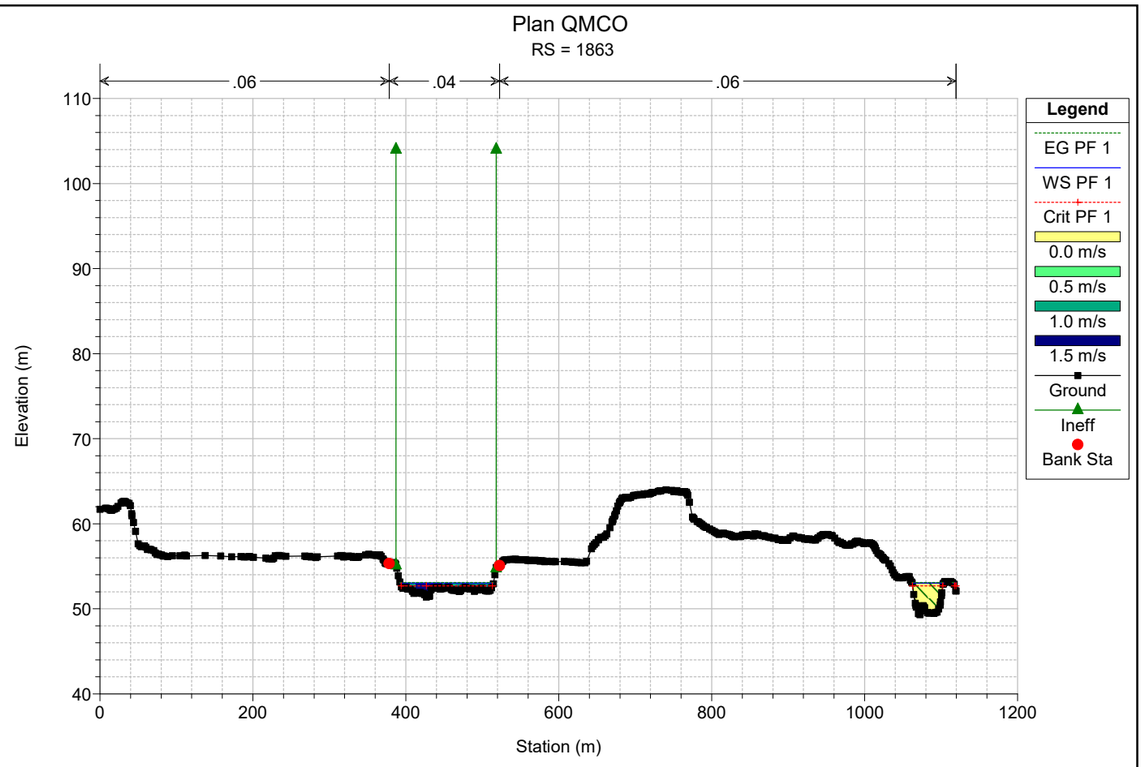

Plan QMCO
RS = 2025
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

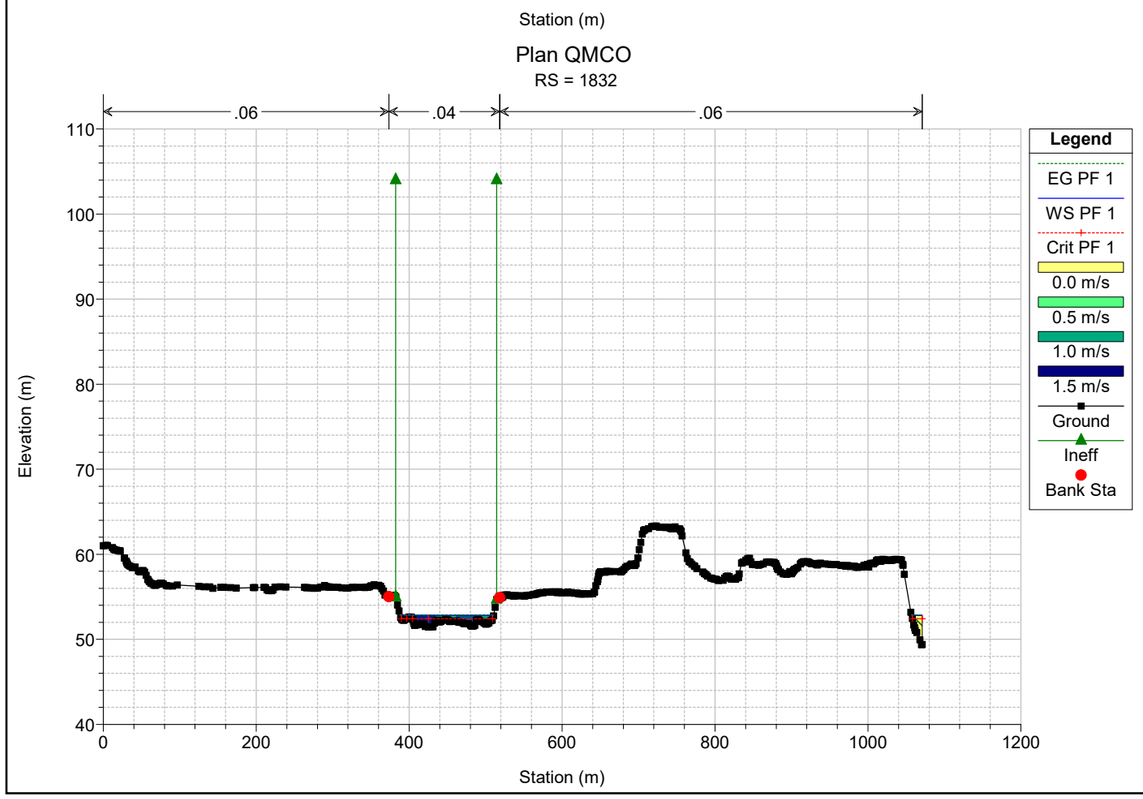

Plan QMCO
RS = 1995
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

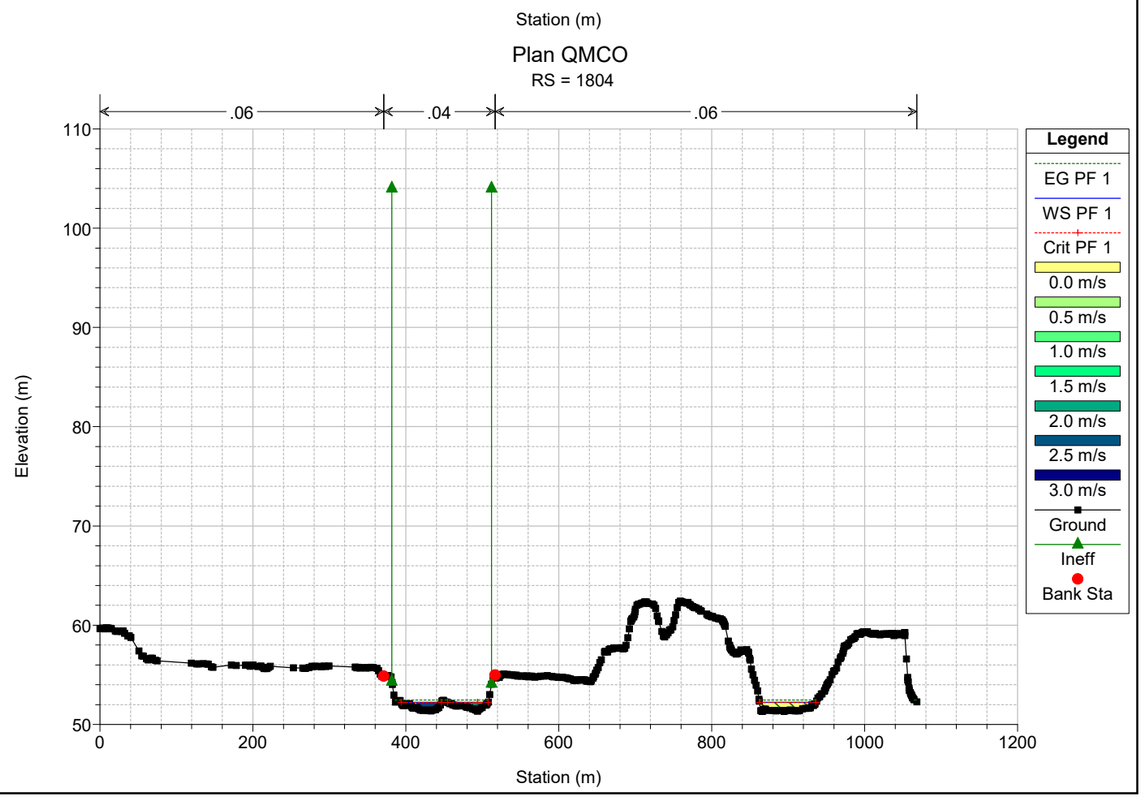

Plan QMCO
RS = 1964
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

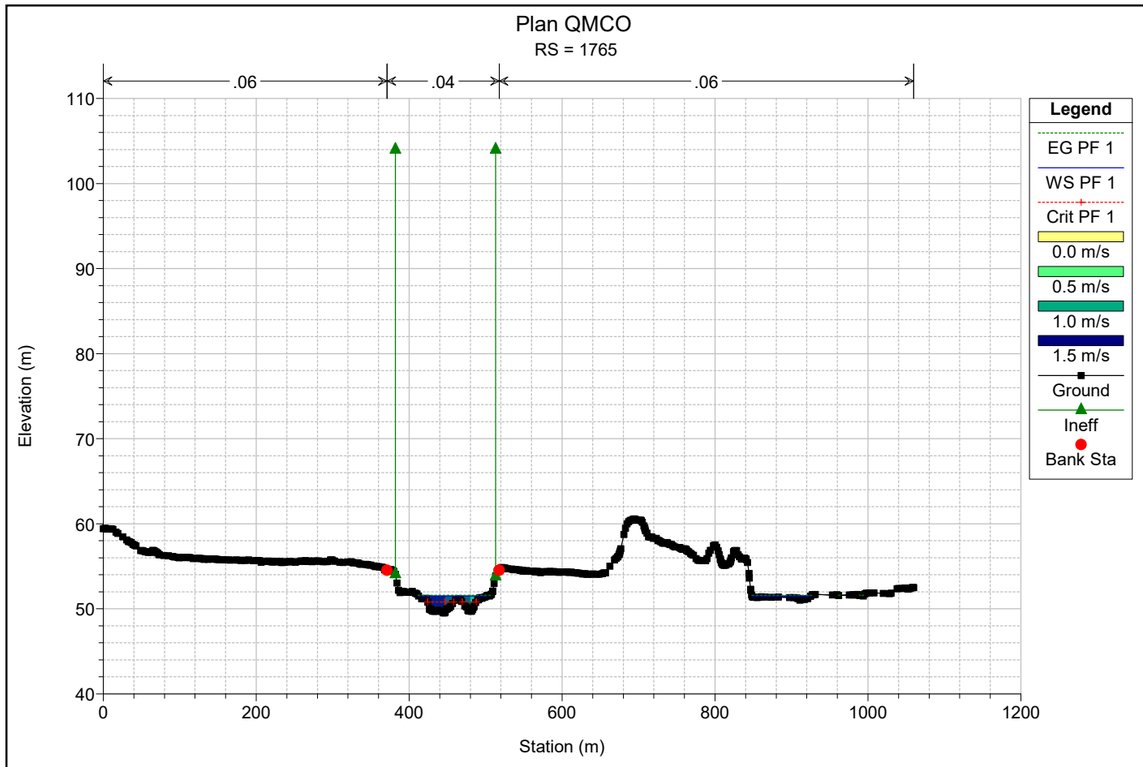

Plan QMCO
RS = 1930
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

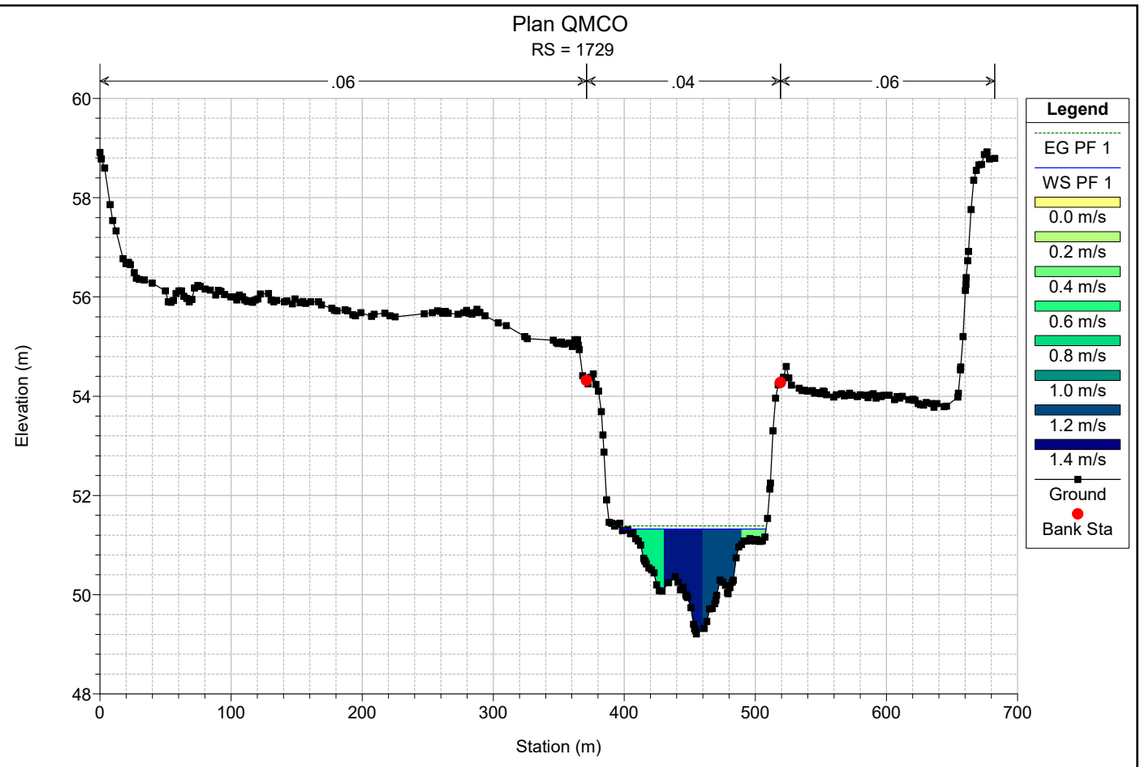

Plan QMCO
RS = 1894
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

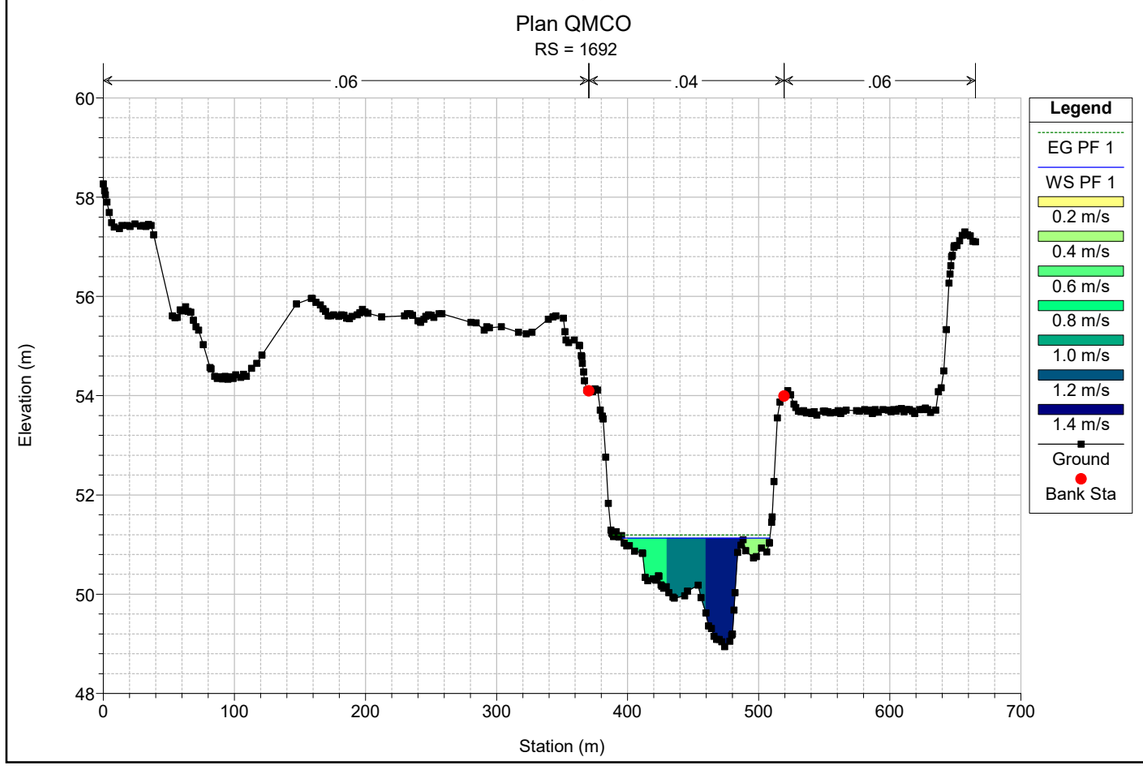

Plan QMCO
RS = 1863
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

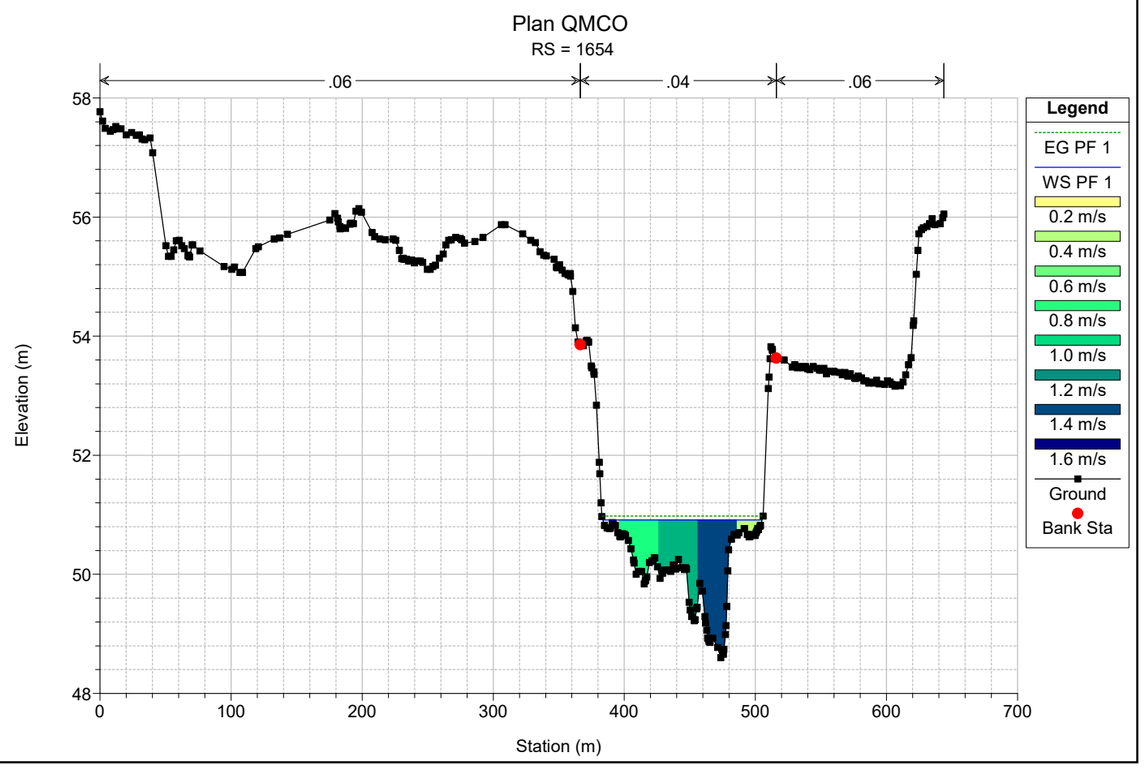

Plan QMCO
RS = 1832
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

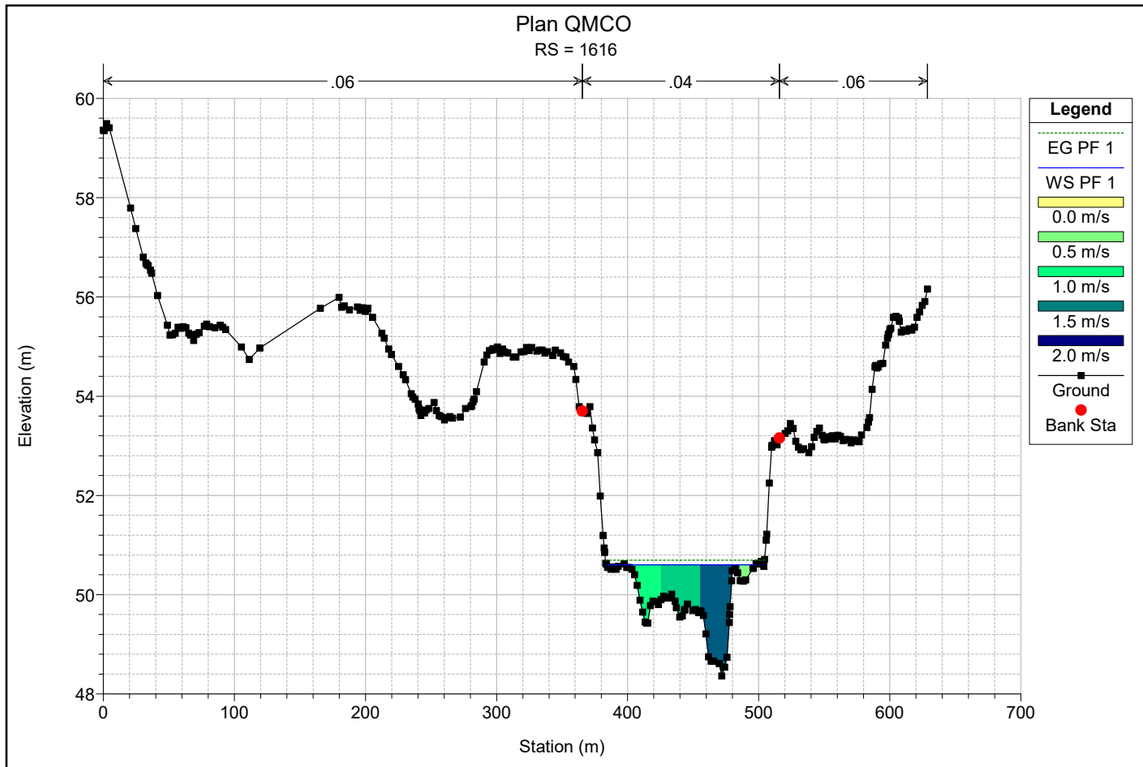

Plan QMCO
RS = 1804
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

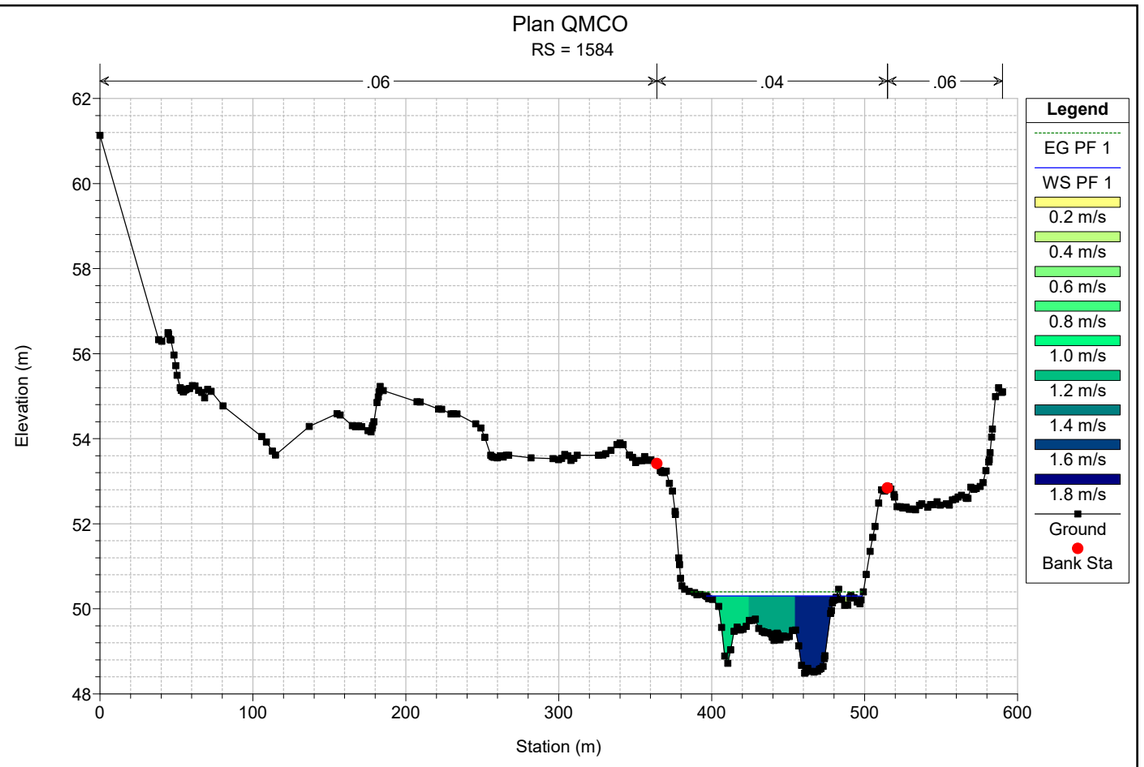

Plan QMCO
RS = 1765
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

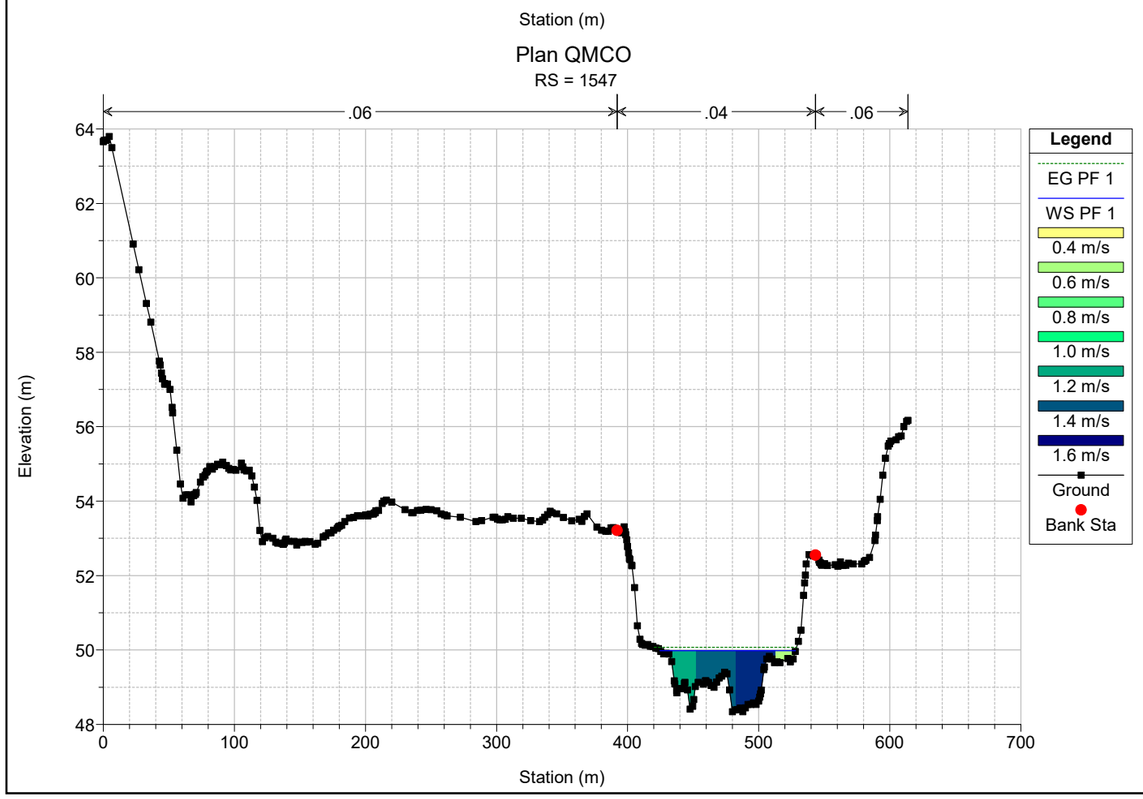

Plan QMCO
RS = 1729
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

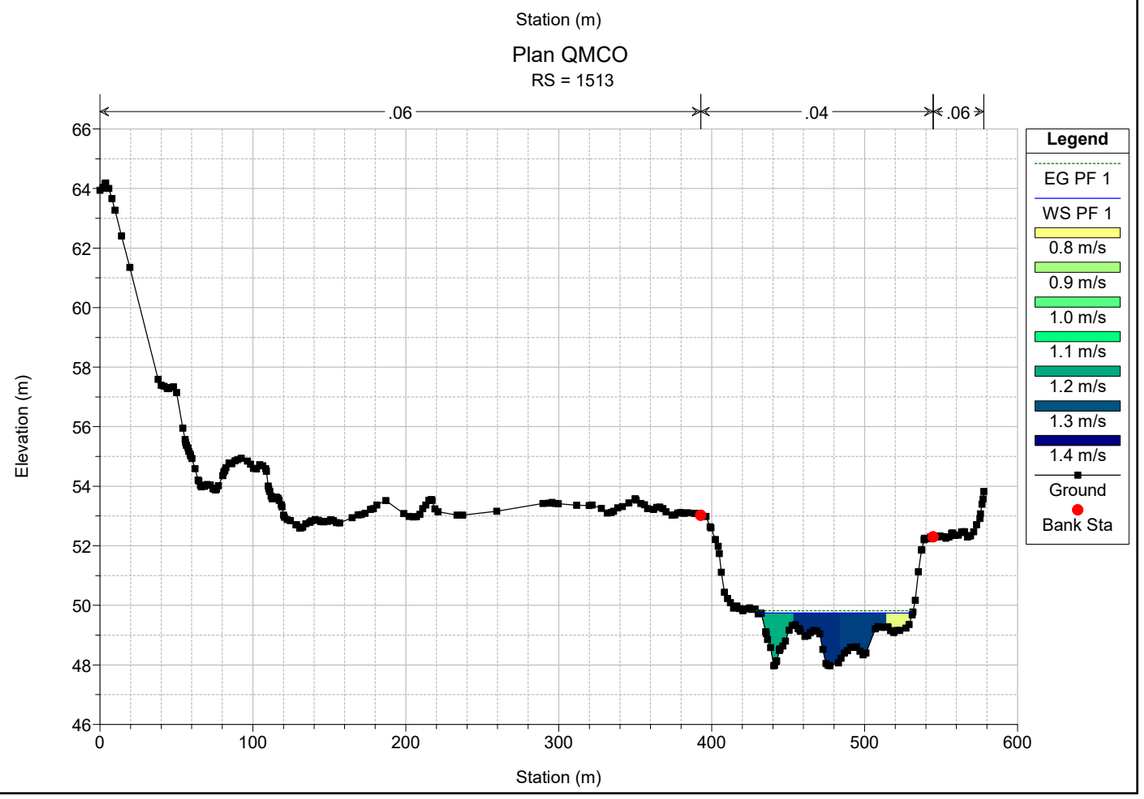

Plan QMCO
RS = 1692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

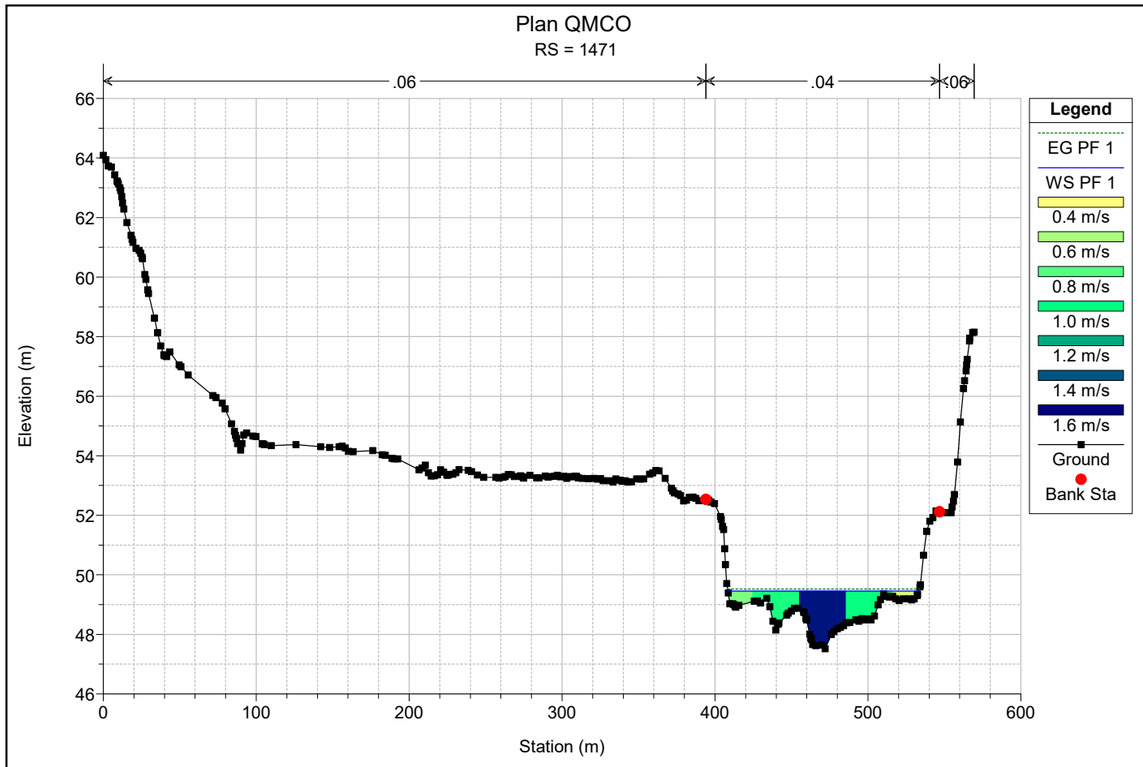

Plan QMCO
RS = 1654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

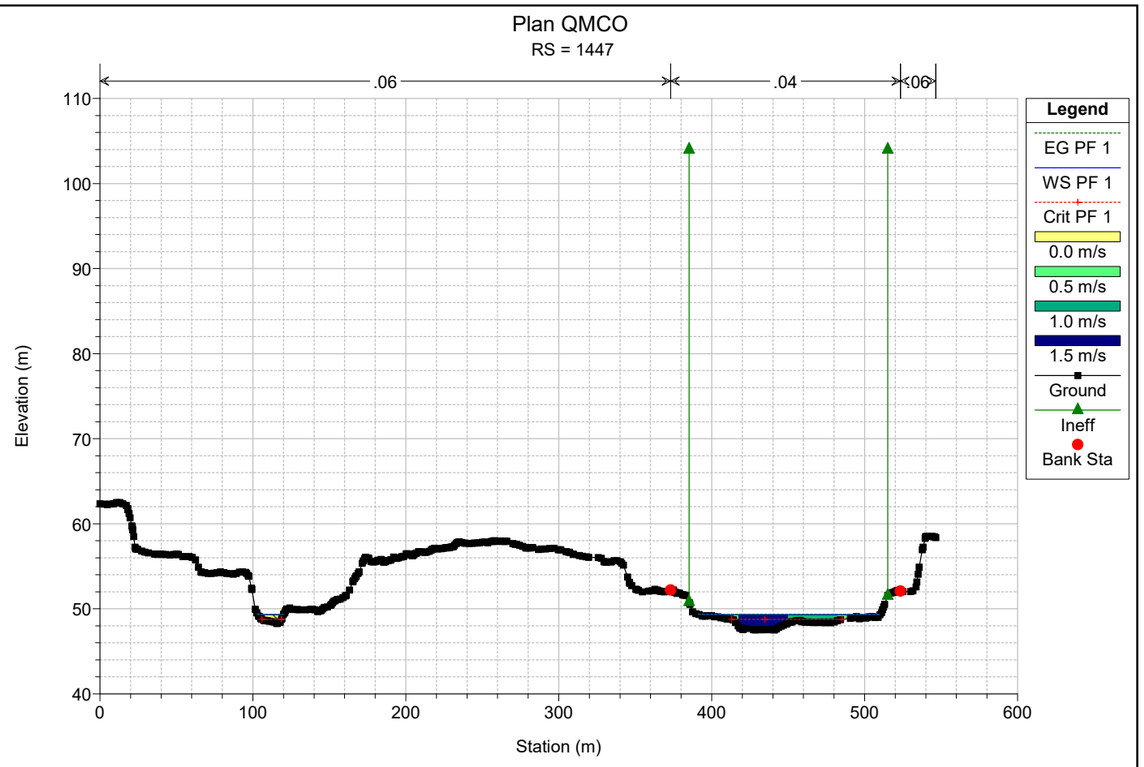

Plan QMCO
RS = 1616
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

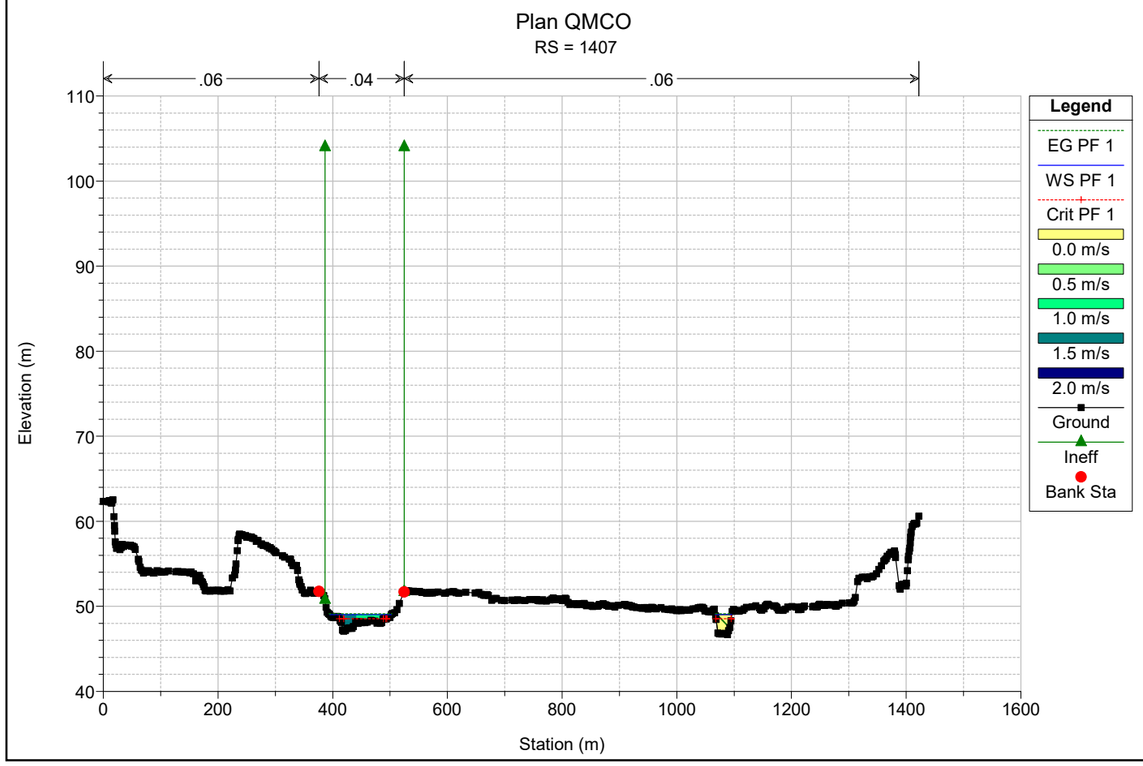

Plan QMCO
RS = 1584
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

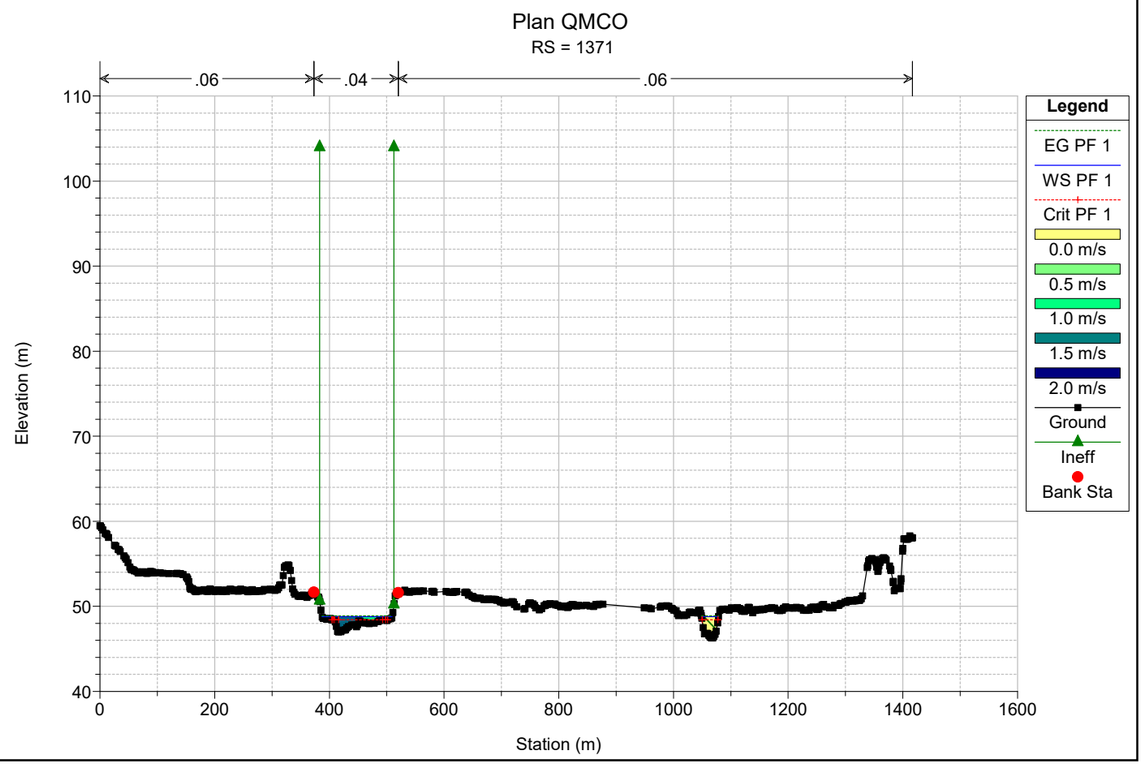

Plan QMCO
RS = 1547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

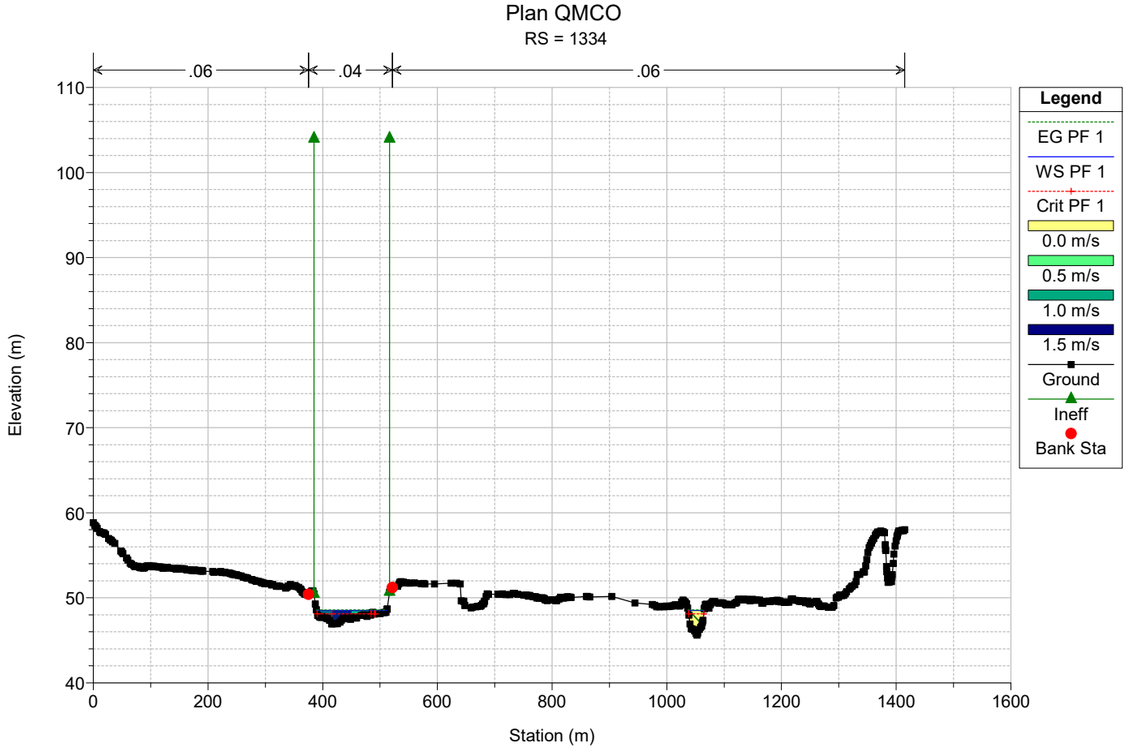

Plan QMCO
RS = 1513
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
Ground
Bank Sta

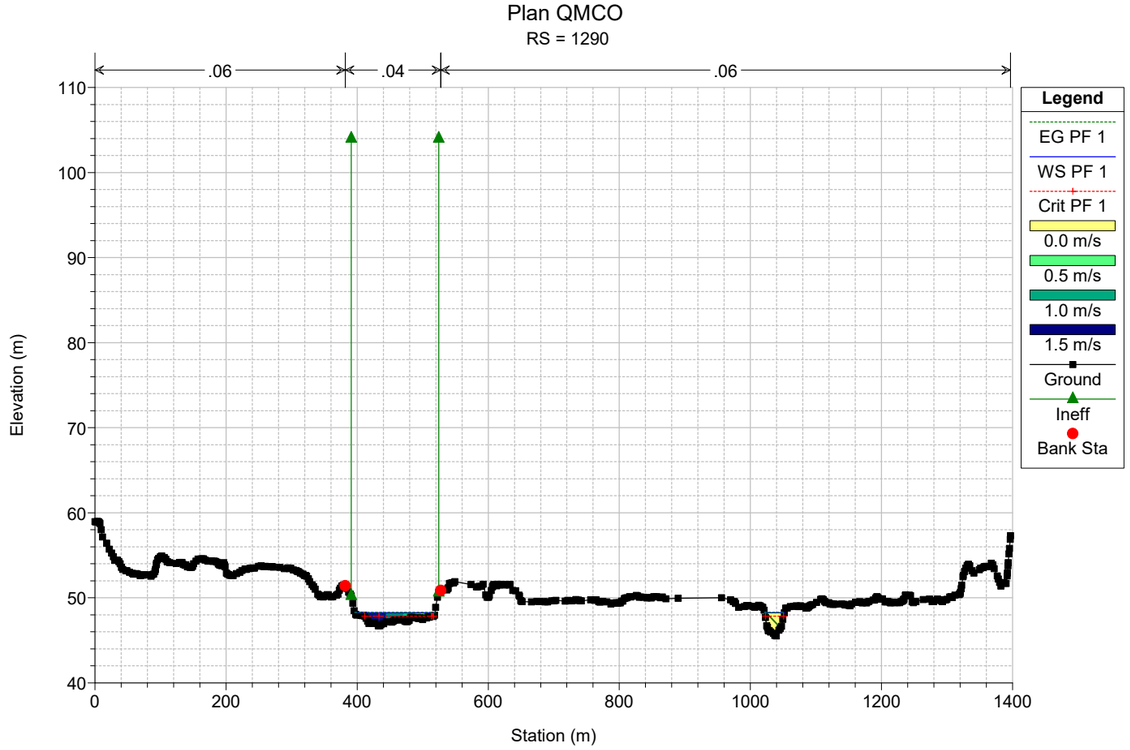

Plan QMCO
RS = 1471
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

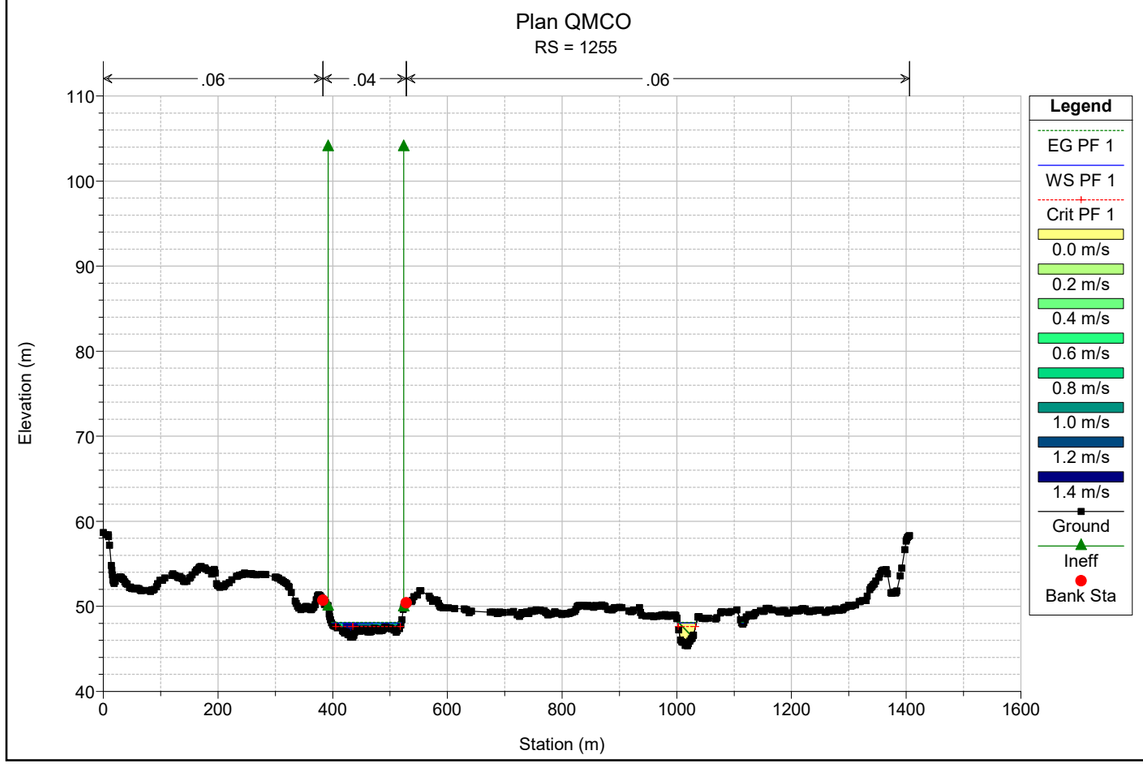

Plan QMCO
RS = 1447
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

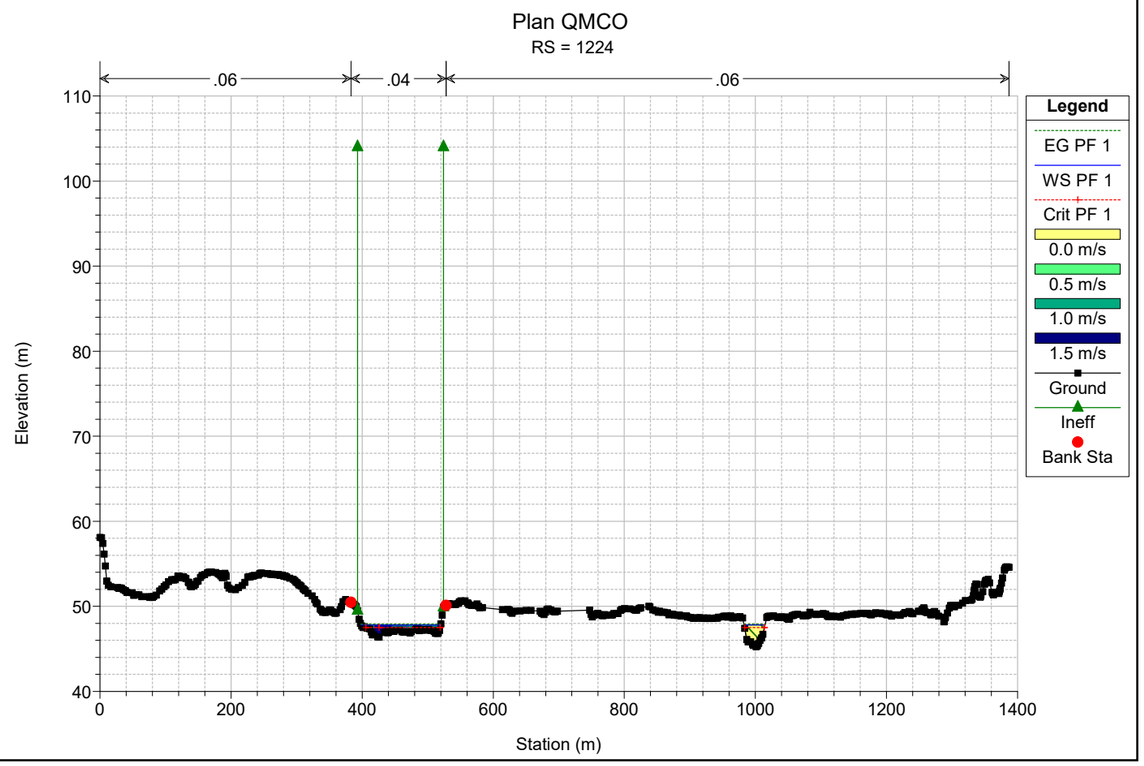

Plan QMCO
RS = 1407
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

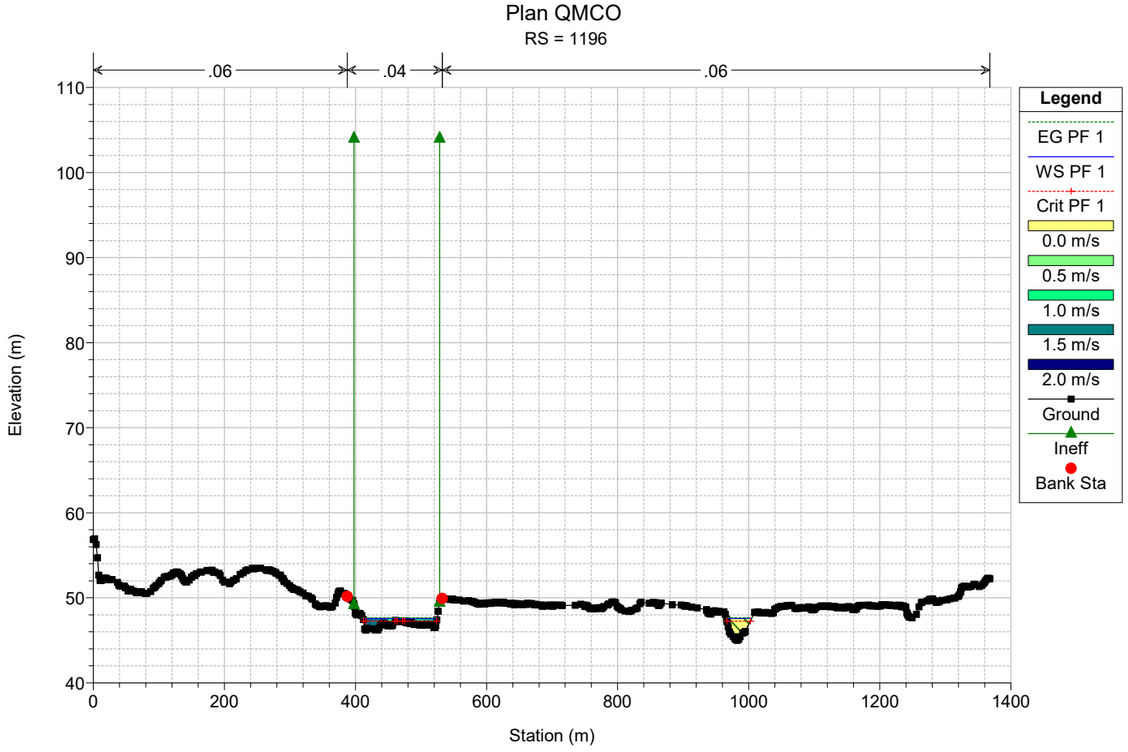

Plan QMCO
RS = 1371
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

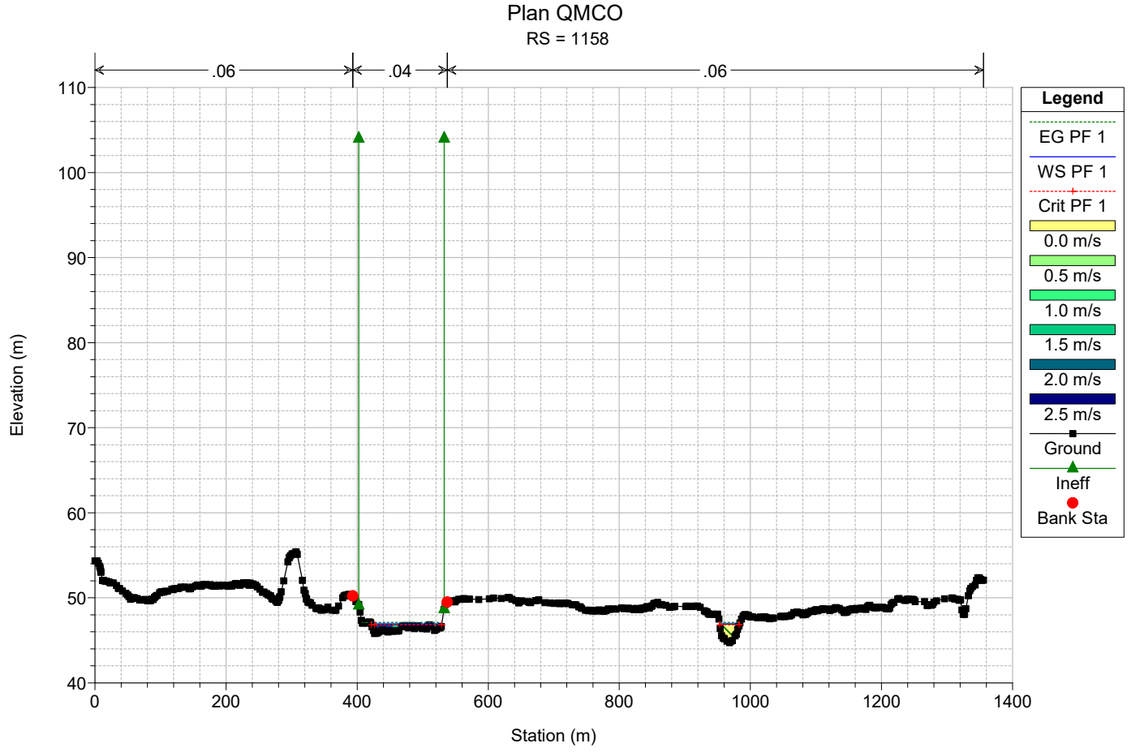

Plan QMCO
RS = 1334
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

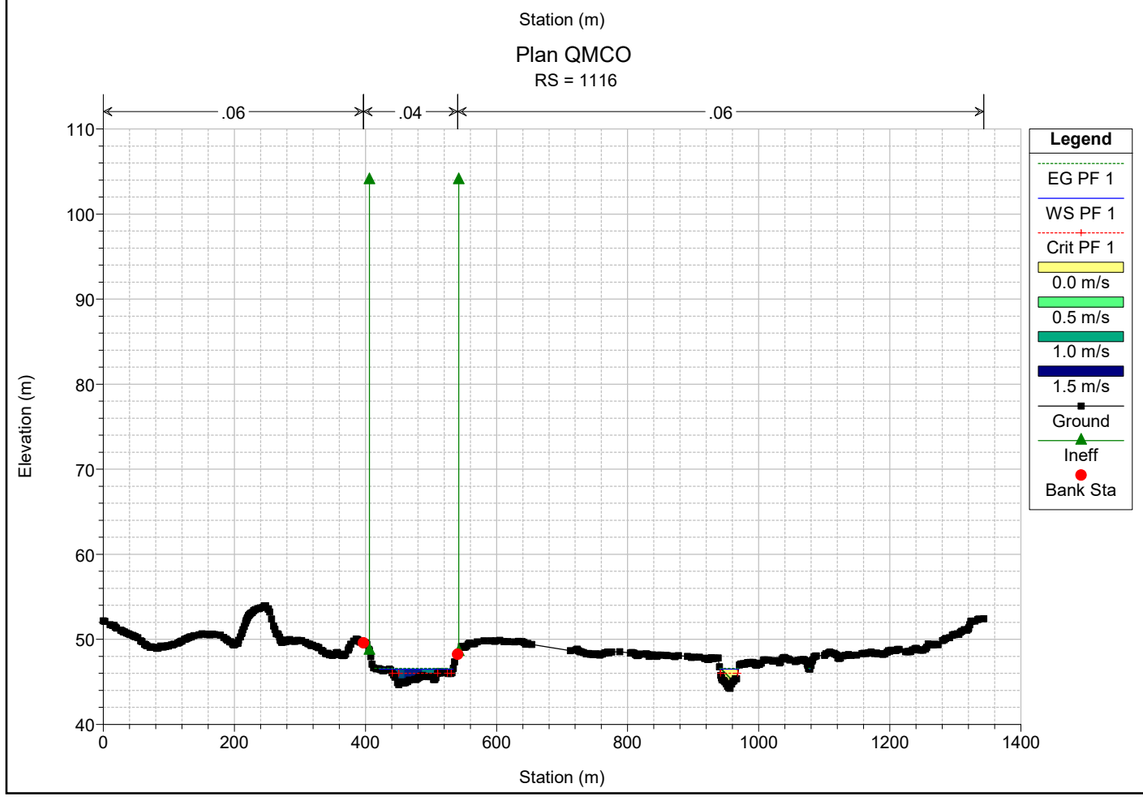

Plan QMCO
RS = 1290
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

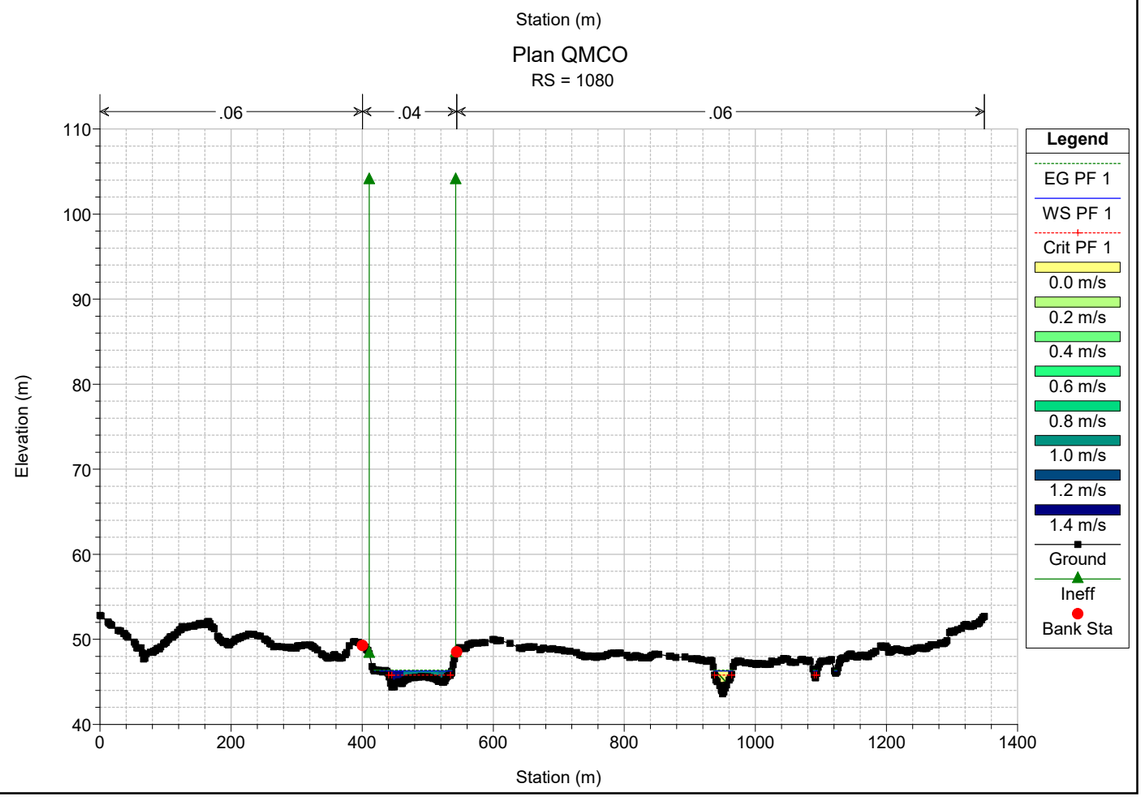

Plan QMCO
RS = 1255
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

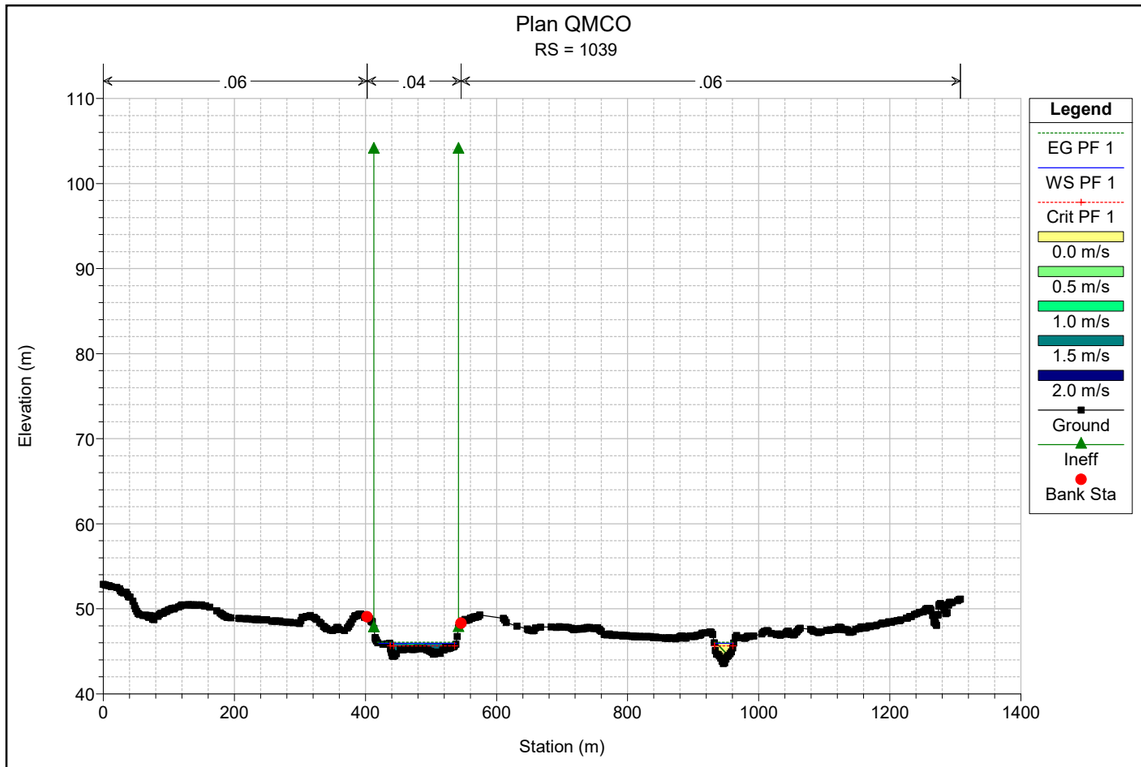

Plan QMCO
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

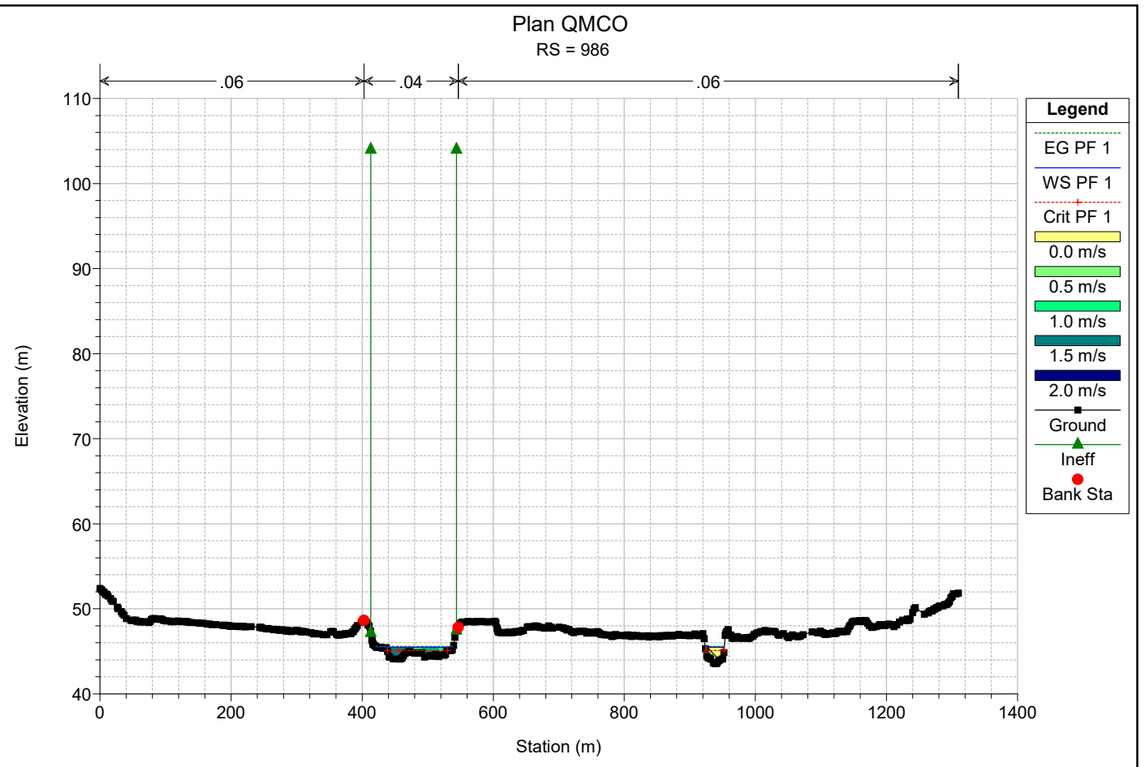

Plan QMCO
RS = 1196
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

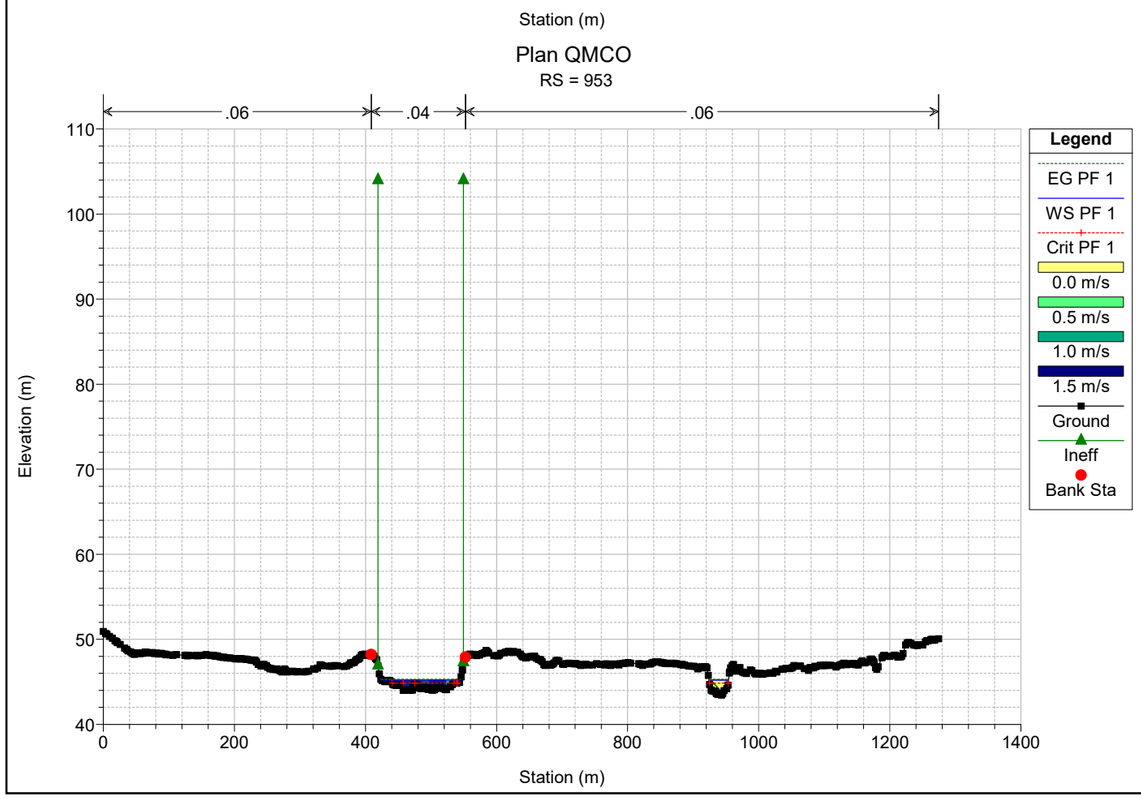

Plan QMCO
RS = 1158
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

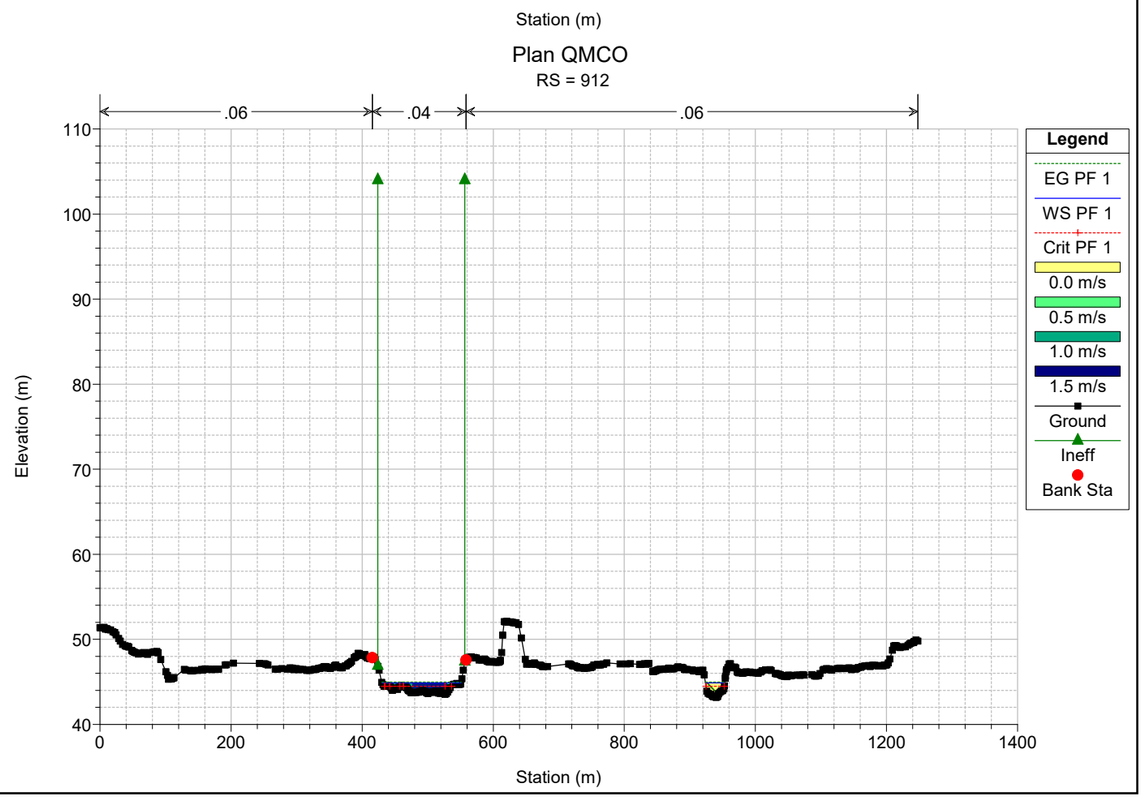

Plan QMCO
RS = 1116
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

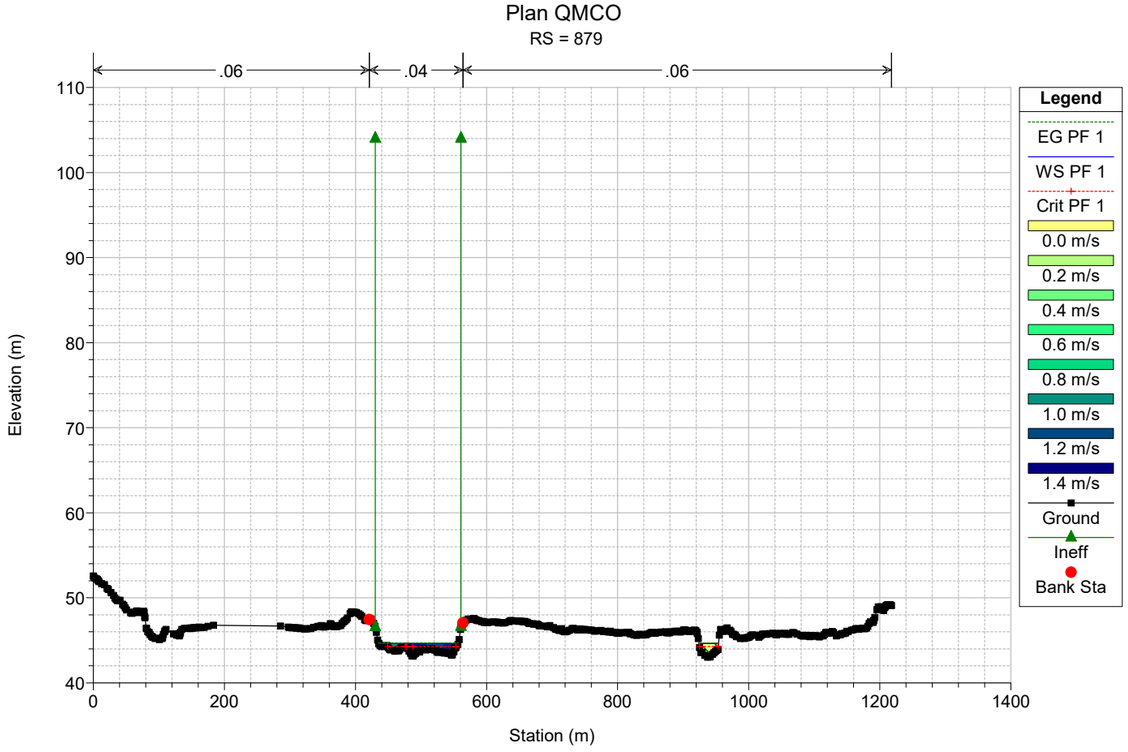

Plan QMCO
RS = 1080
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

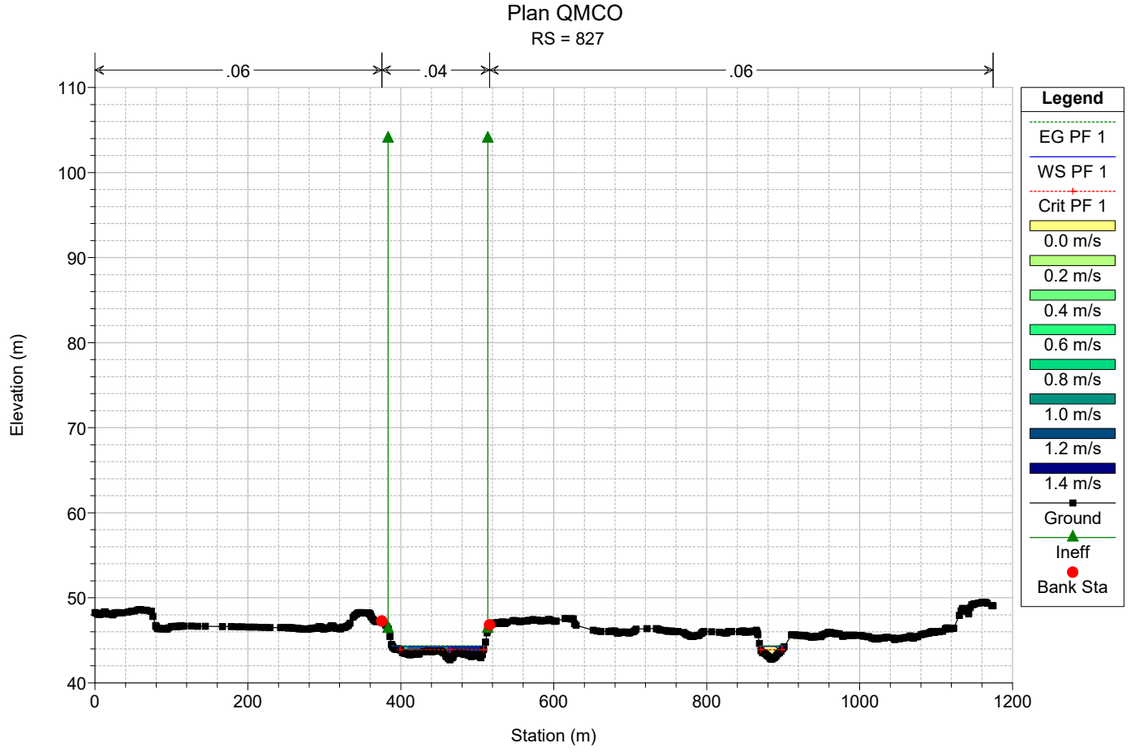

Plan QMCO
RS = 1039
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

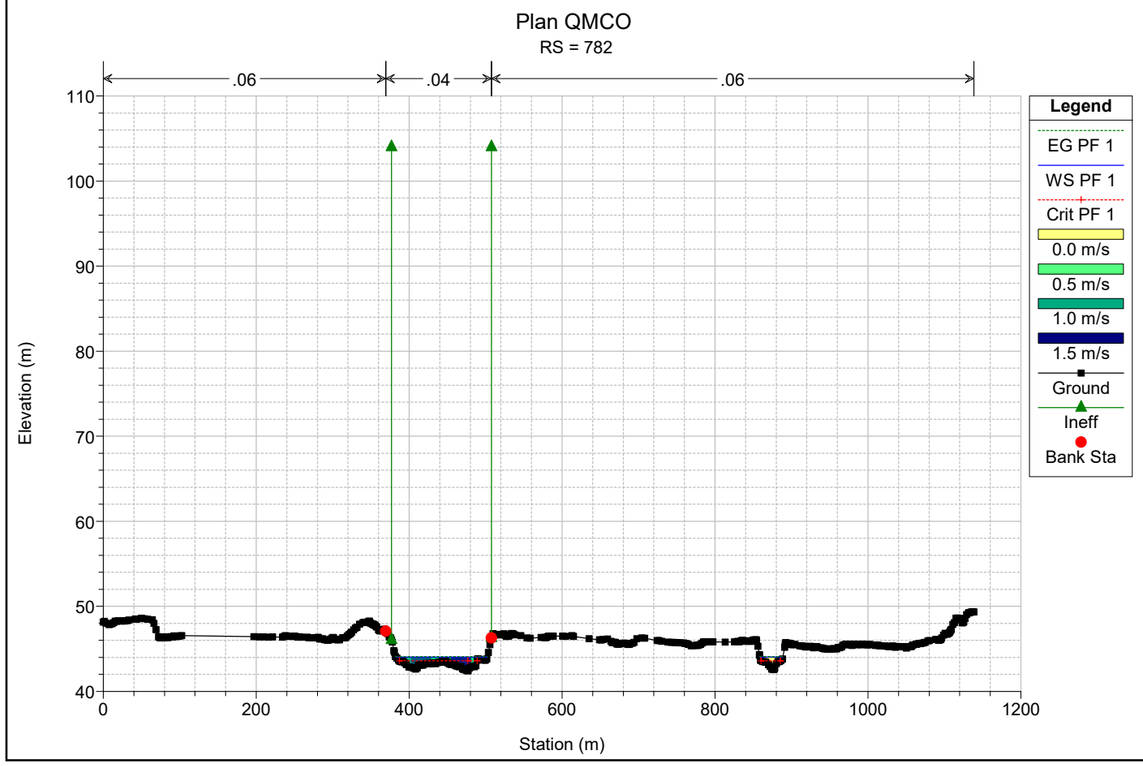

Plan QMCO
RS = 986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

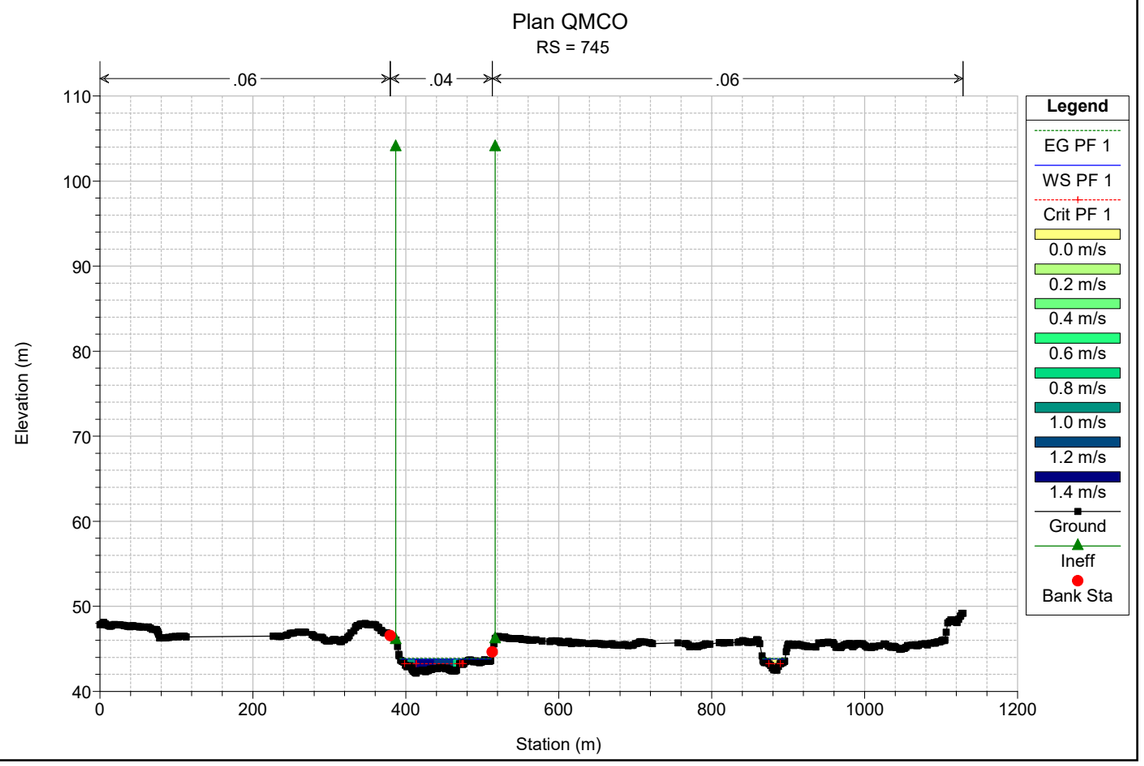

Plan QMCO
RS = 953
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

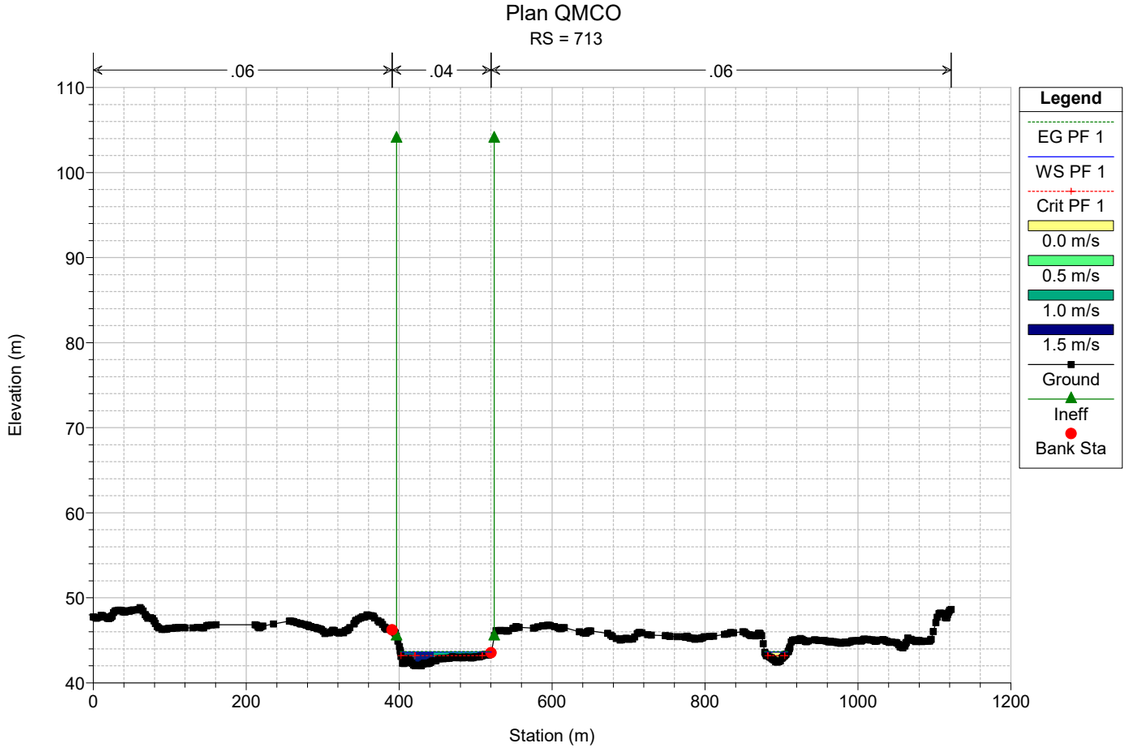

Plan QMCO
RS = 912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

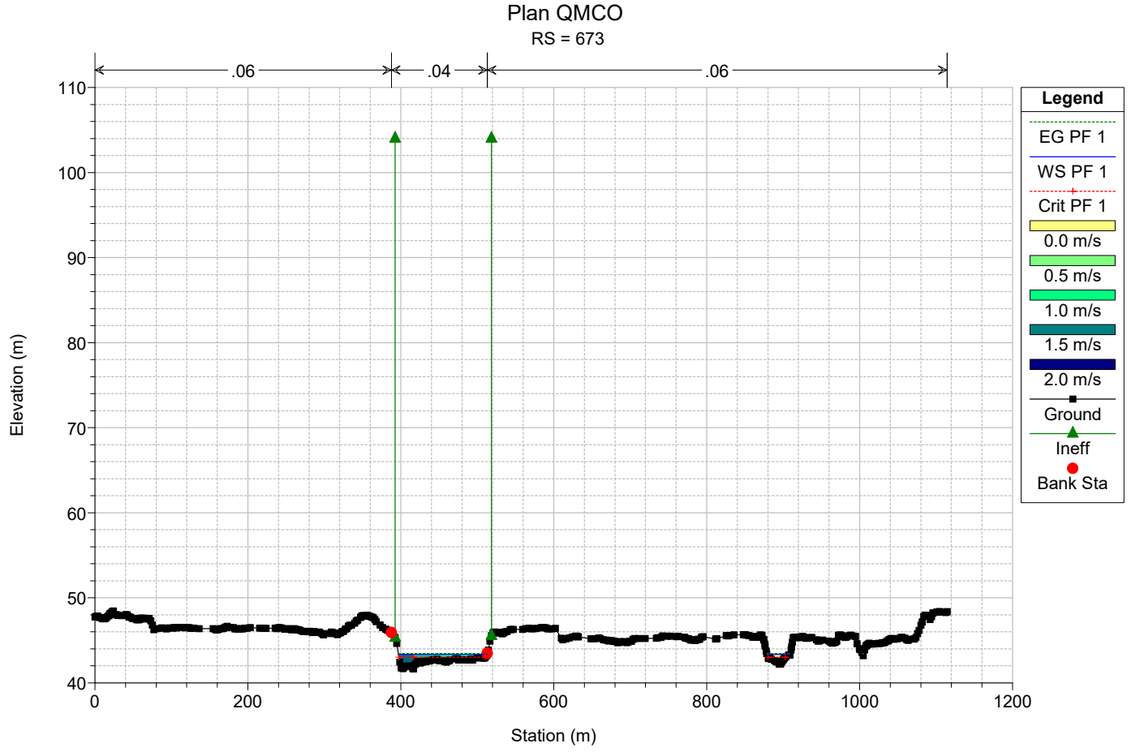

Plan QMCO
RS = 879
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

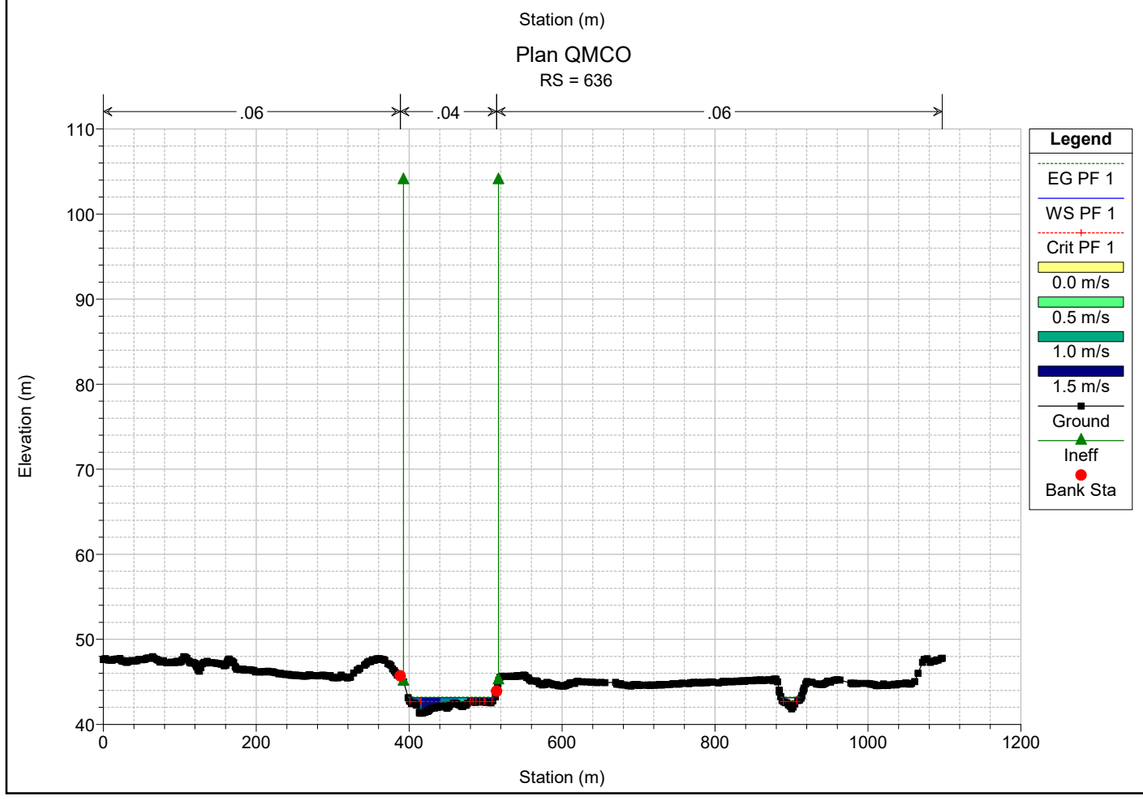

Plan QMCO
RS = 827
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

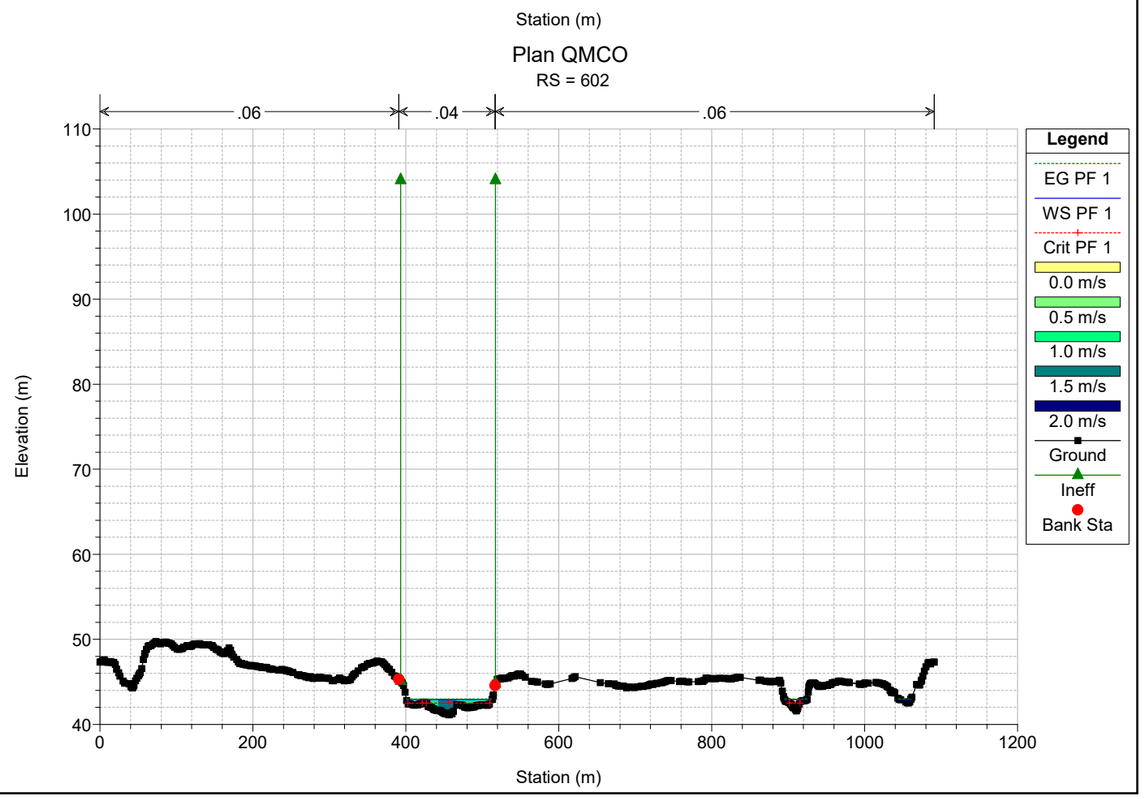

Plan QMCO
RS = 782
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

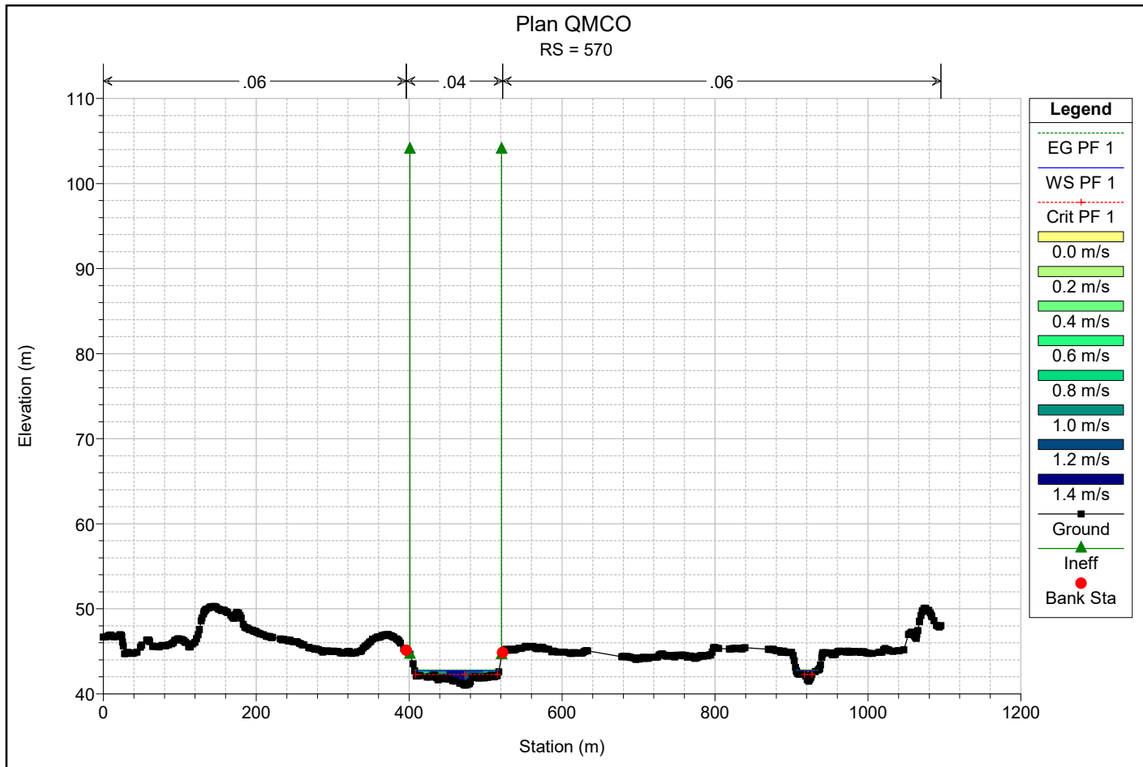

Plan QMCO
RS = 745
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

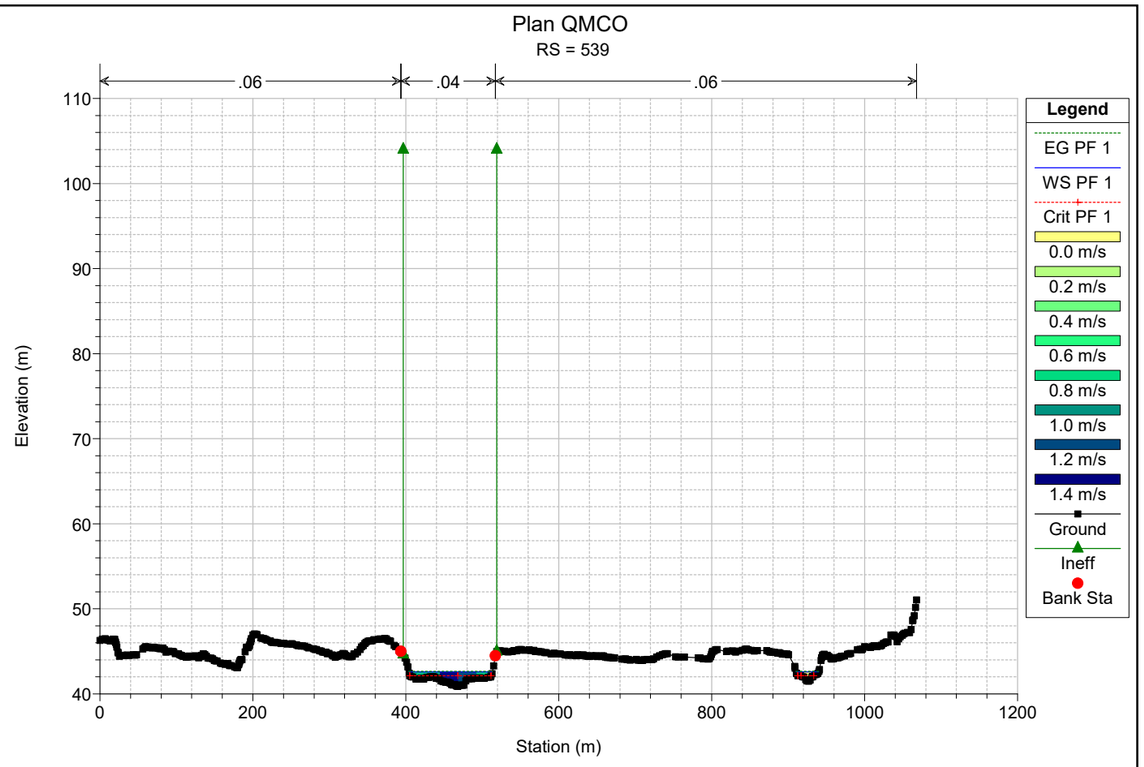

Plan QMCO
RS = 713
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

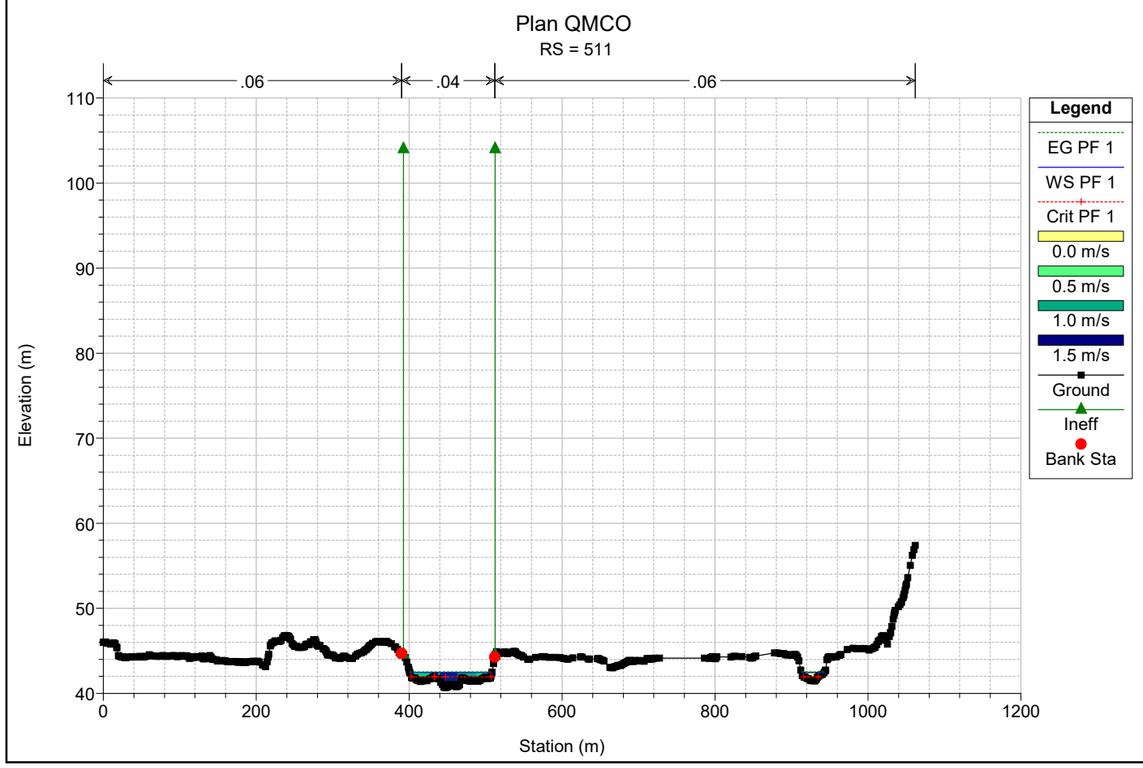

Plan QMCO
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

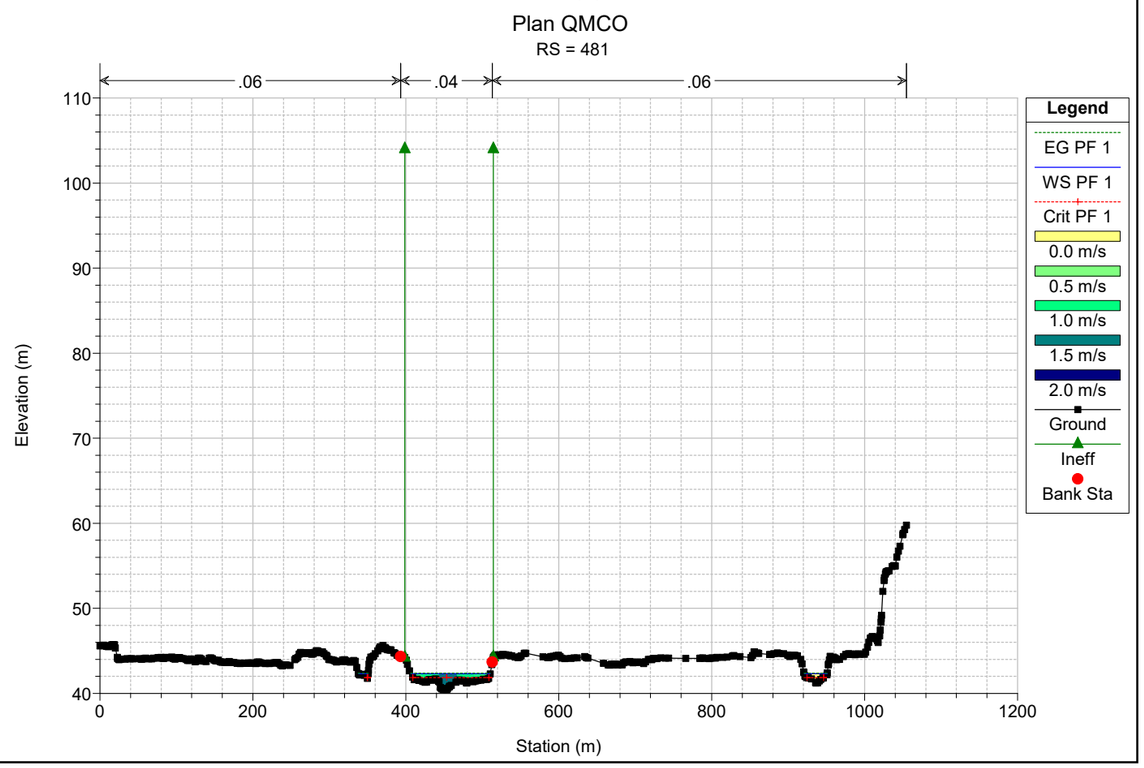

Plan QMCO
RS = 636
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

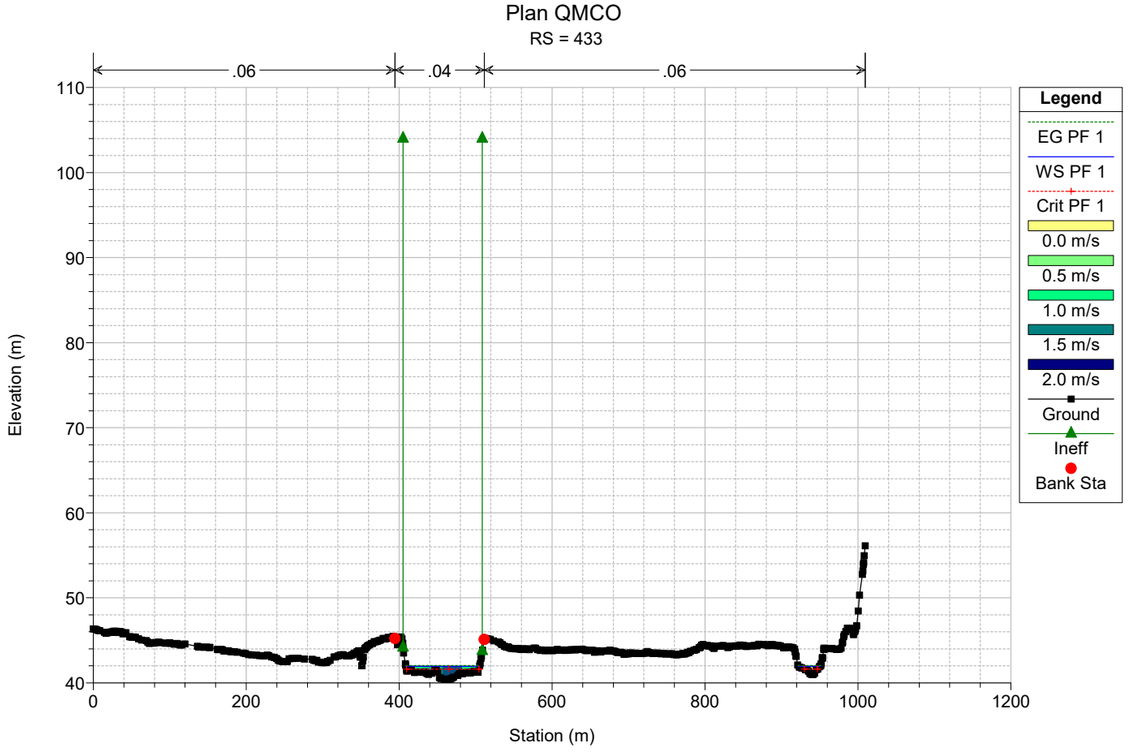

Plan QMCO
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

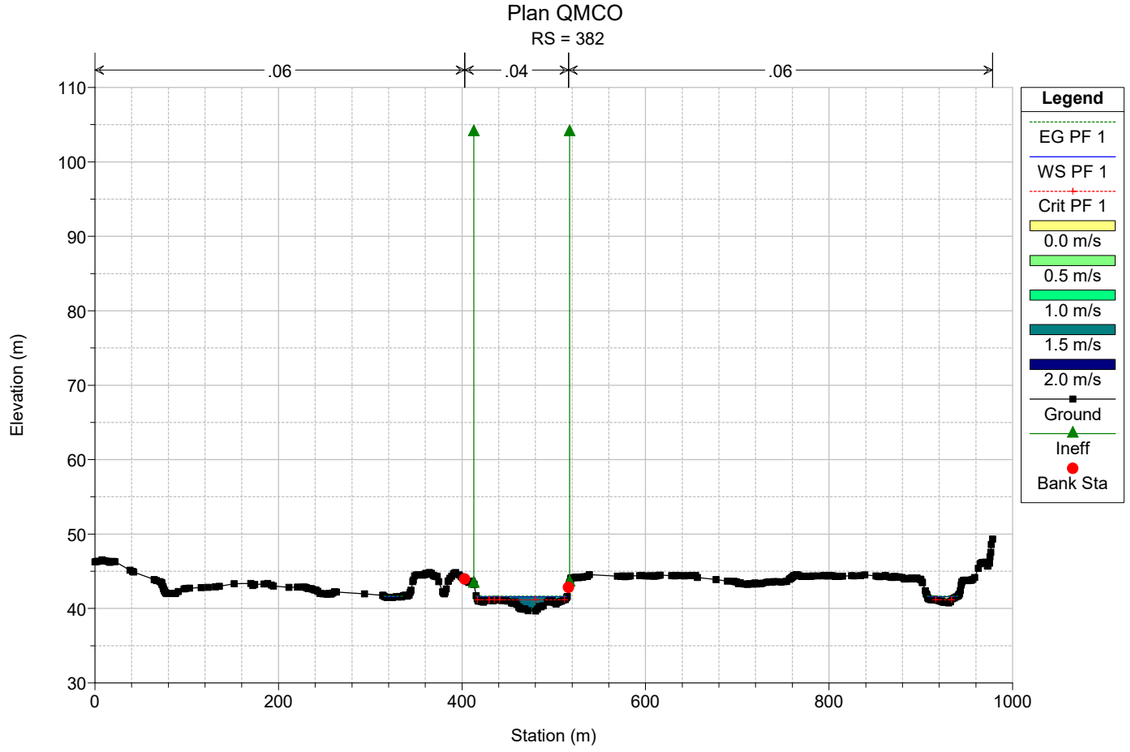

Plan QMCO
RS = 570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

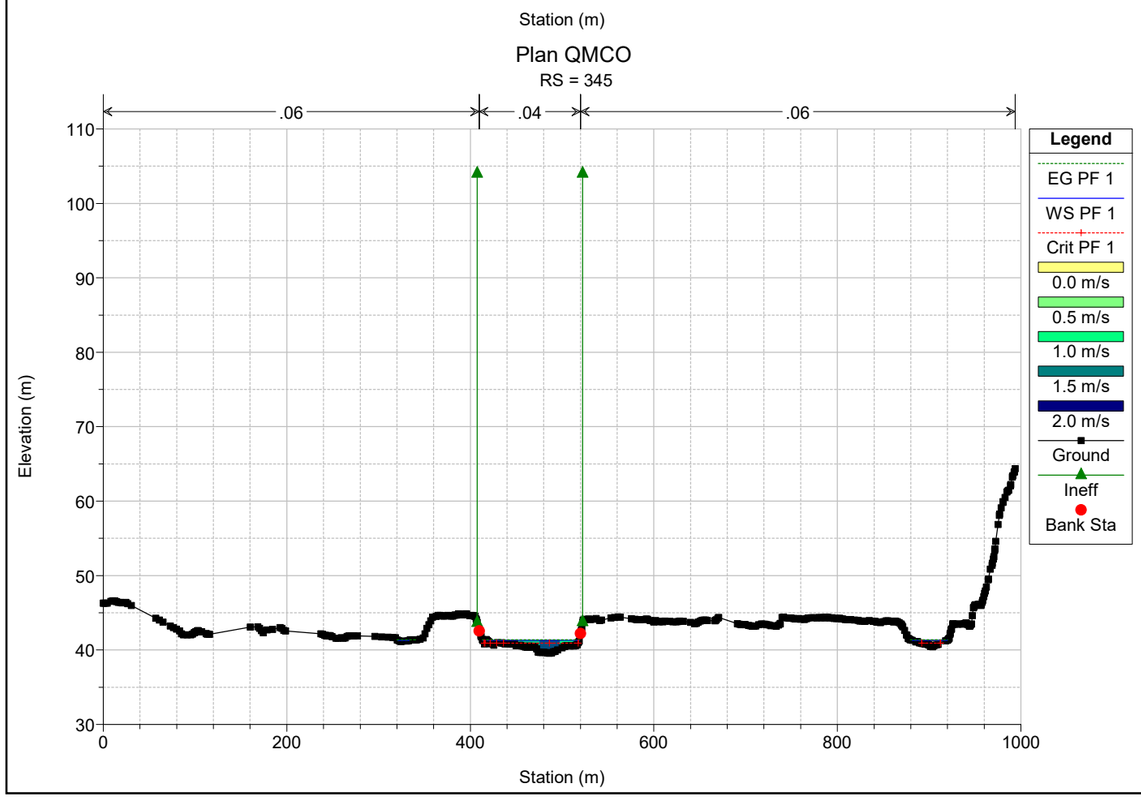

Plan QMCO
RS = 539
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

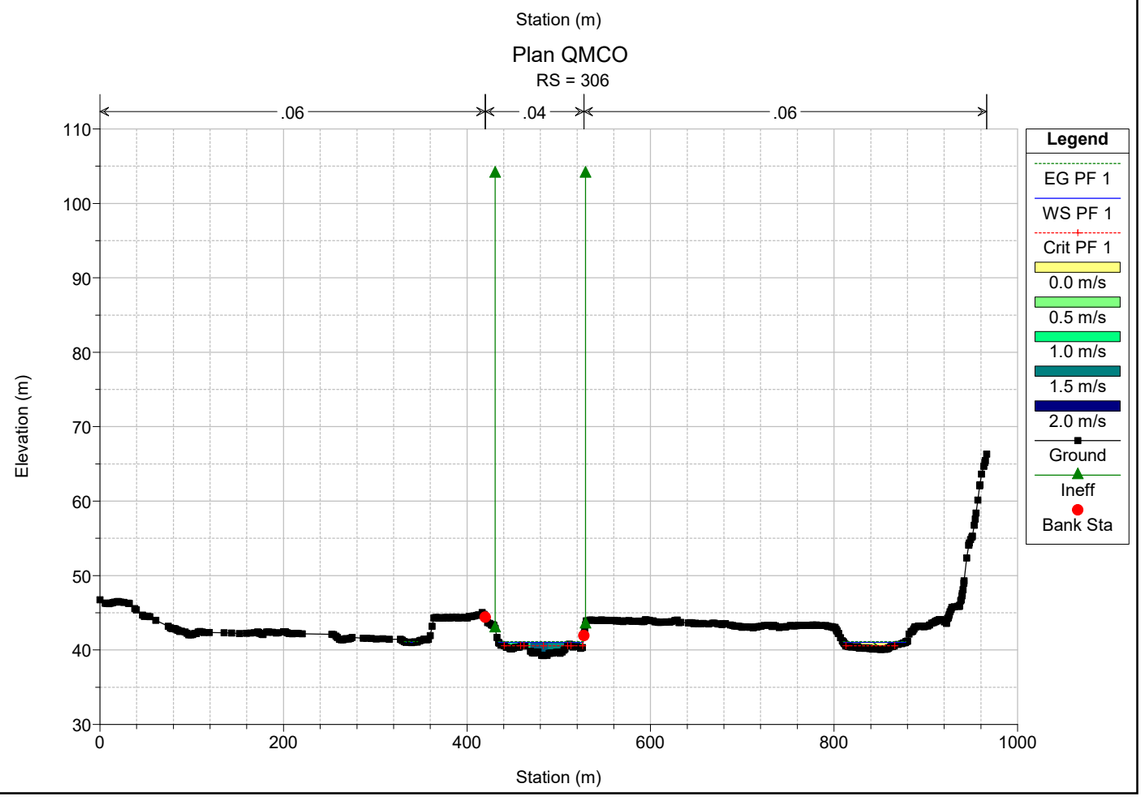

Plan QMCO
RS = 511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

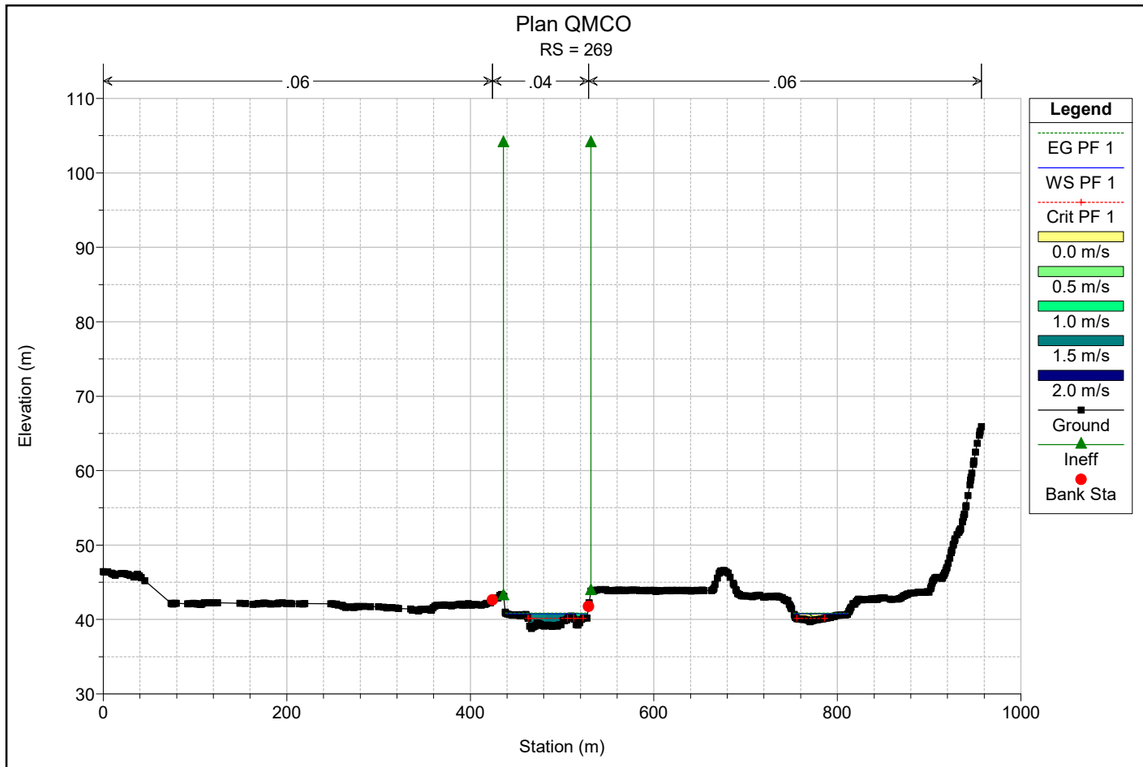

Plan QMCO
RS = 481
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

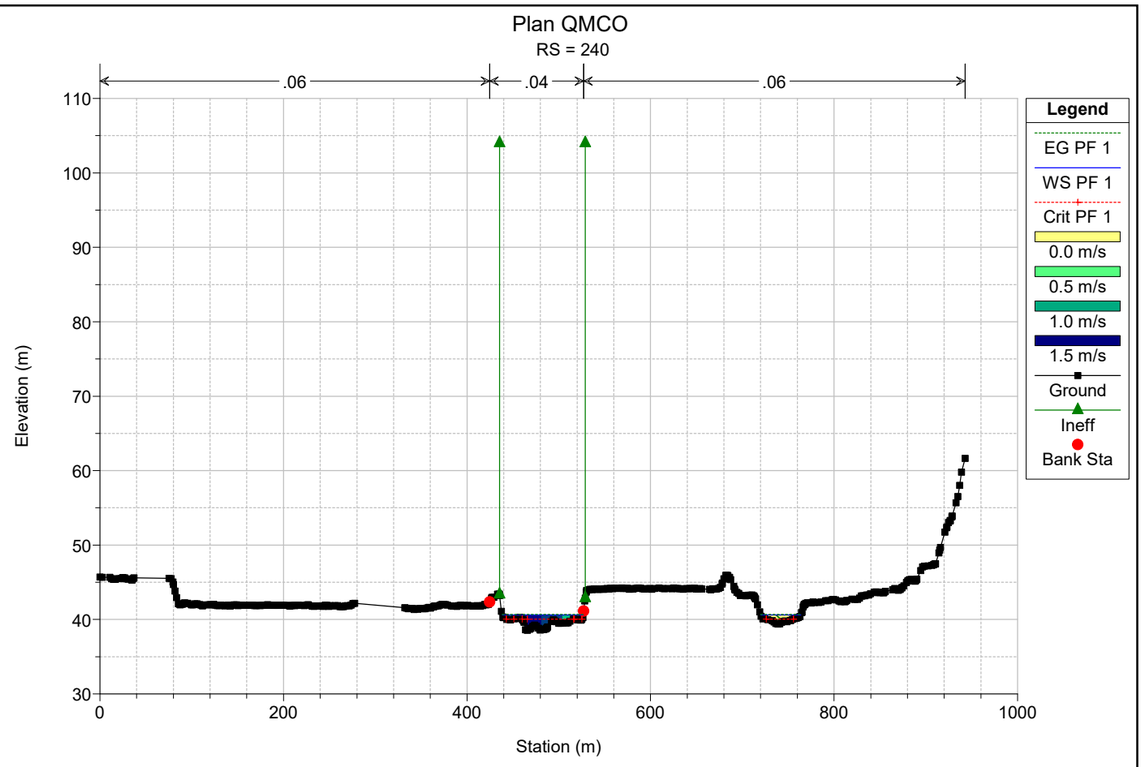

Plan QMCO
RS = 433
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

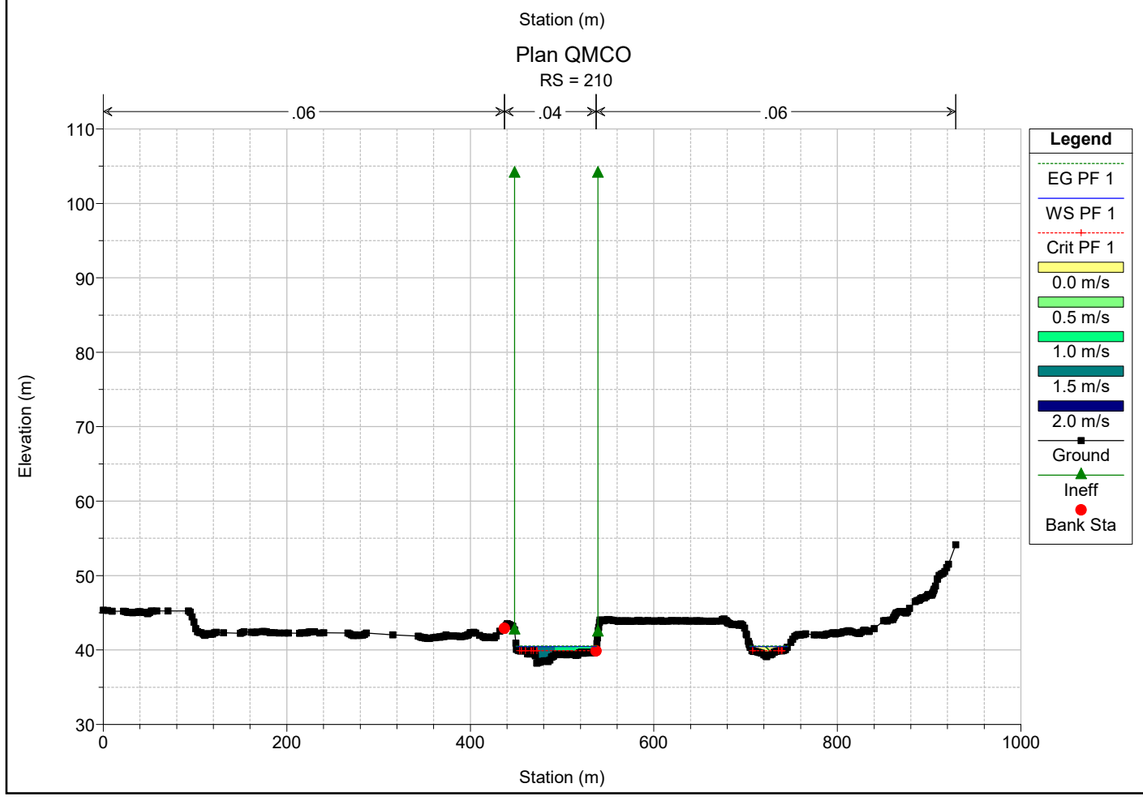

Plan QMCO
RS = 382
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

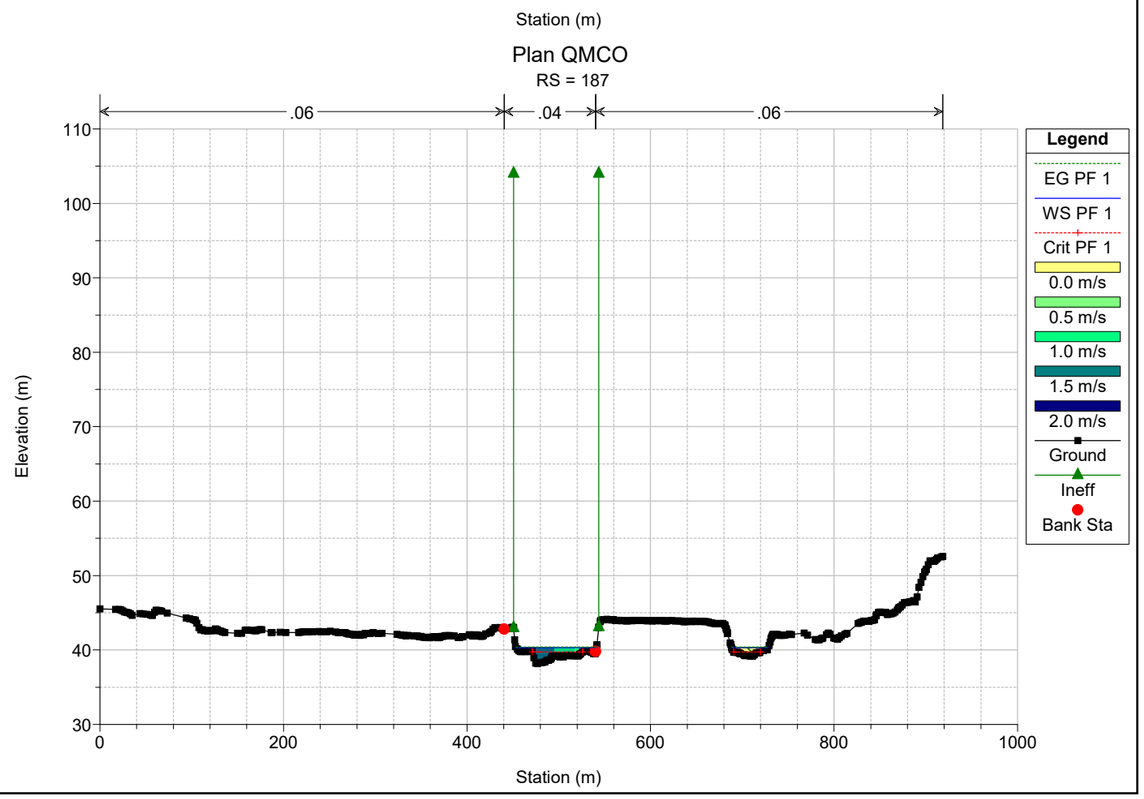

Plan QMCO
RS = 345
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

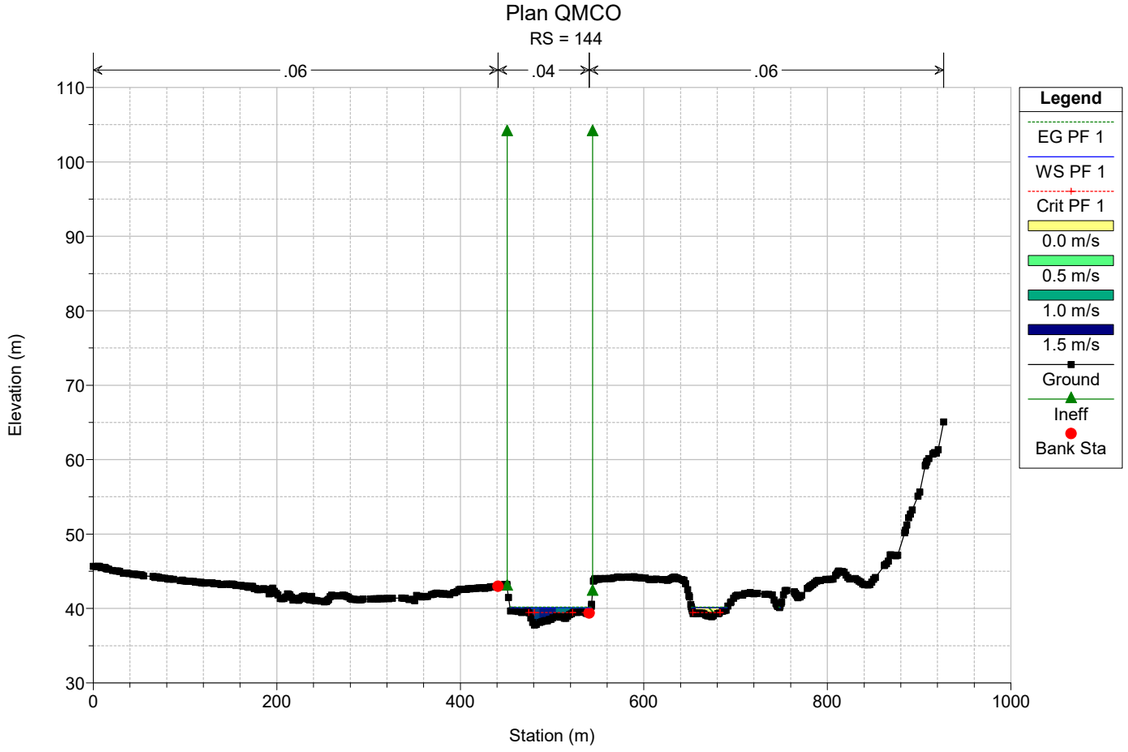

Plan QMCO
RS = 306
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

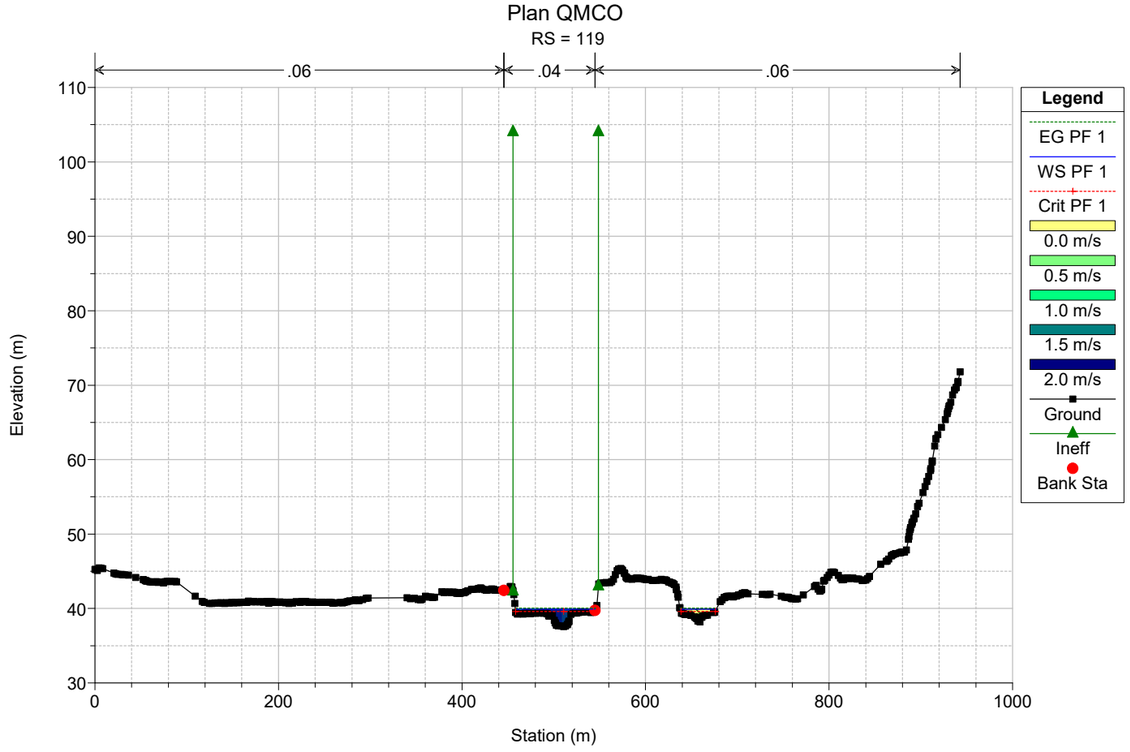

Plan QMCO
RS = 269
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

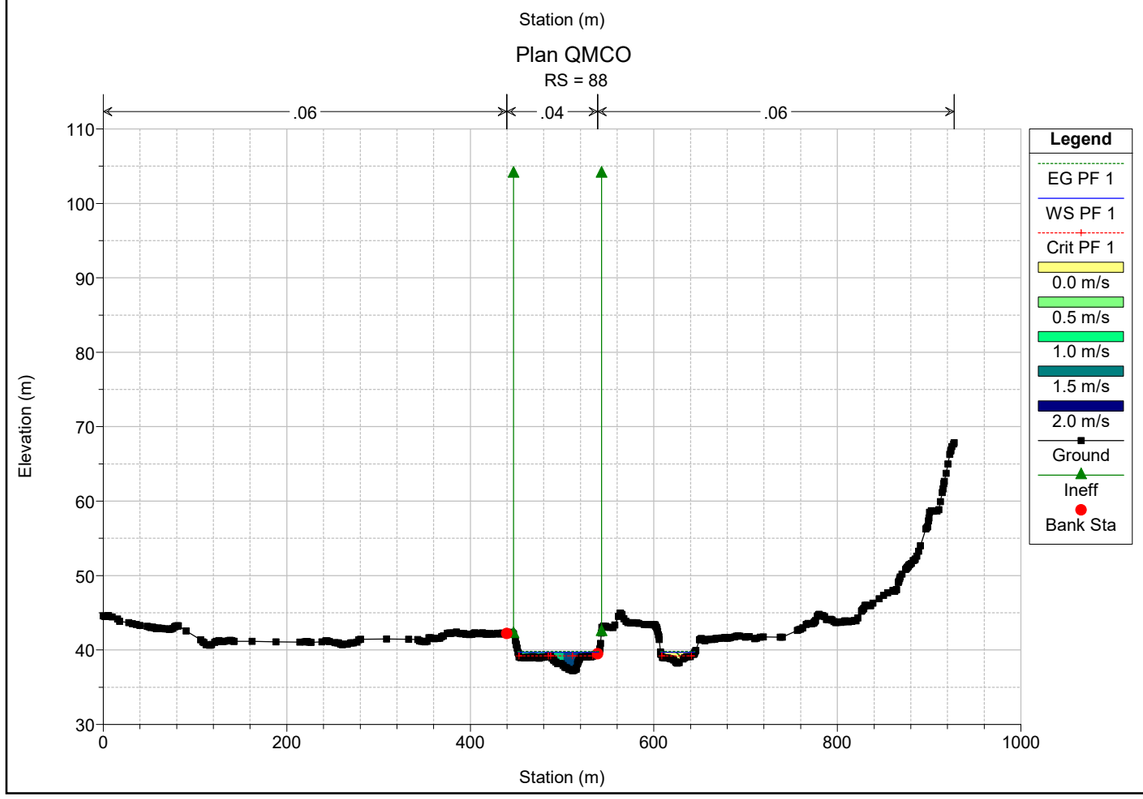

Plan QMCO
RS = 240
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

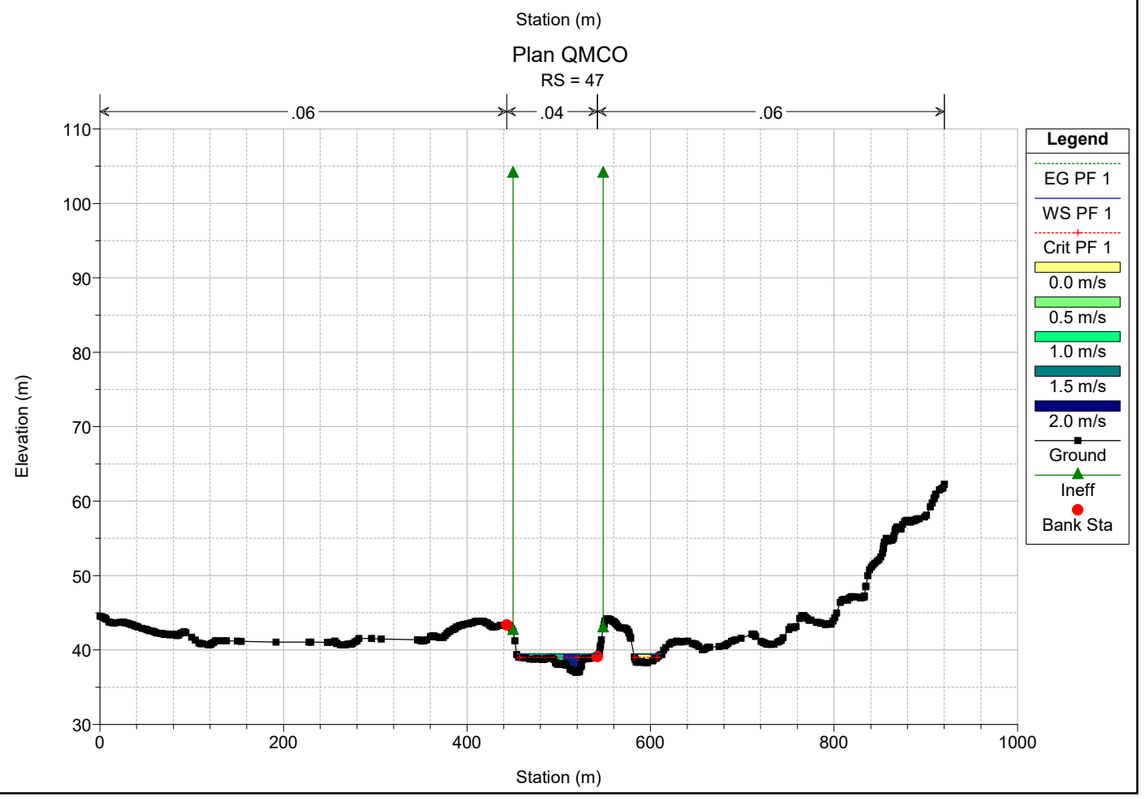

Plan QMCO
RS = 210
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

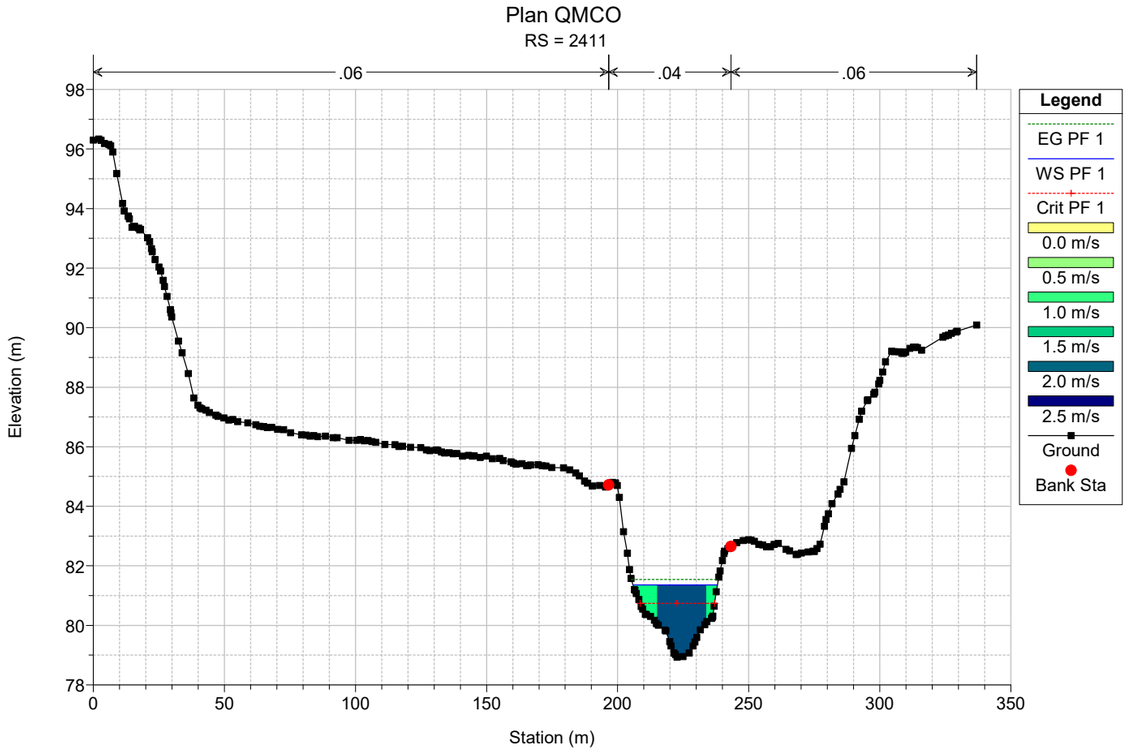

Plan QMCO
RS = 187
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

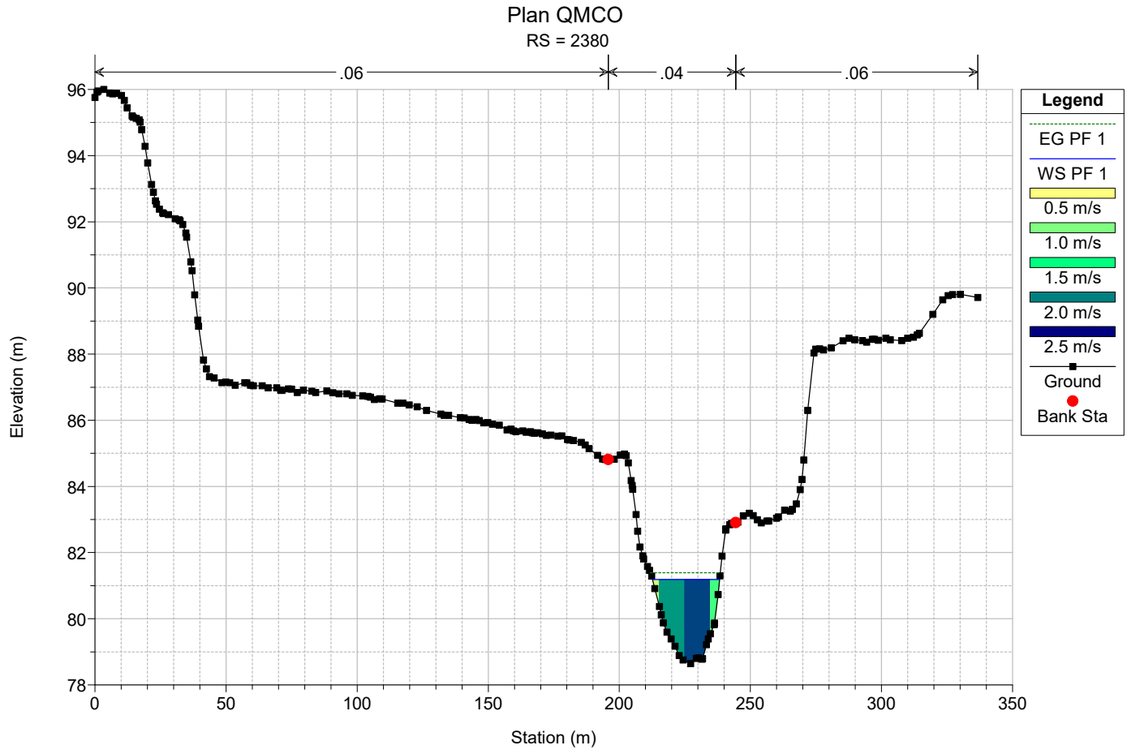

Plan QMCO
RS = 144
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

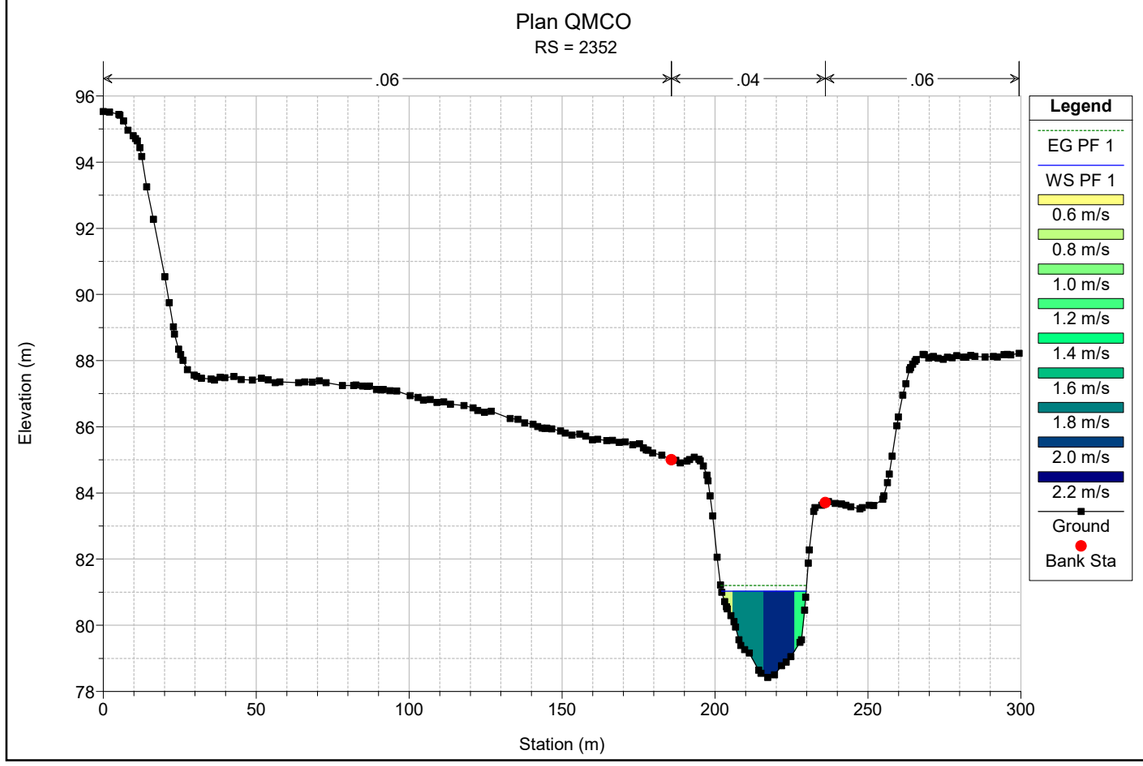

Plan QMCO
RS = 119
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

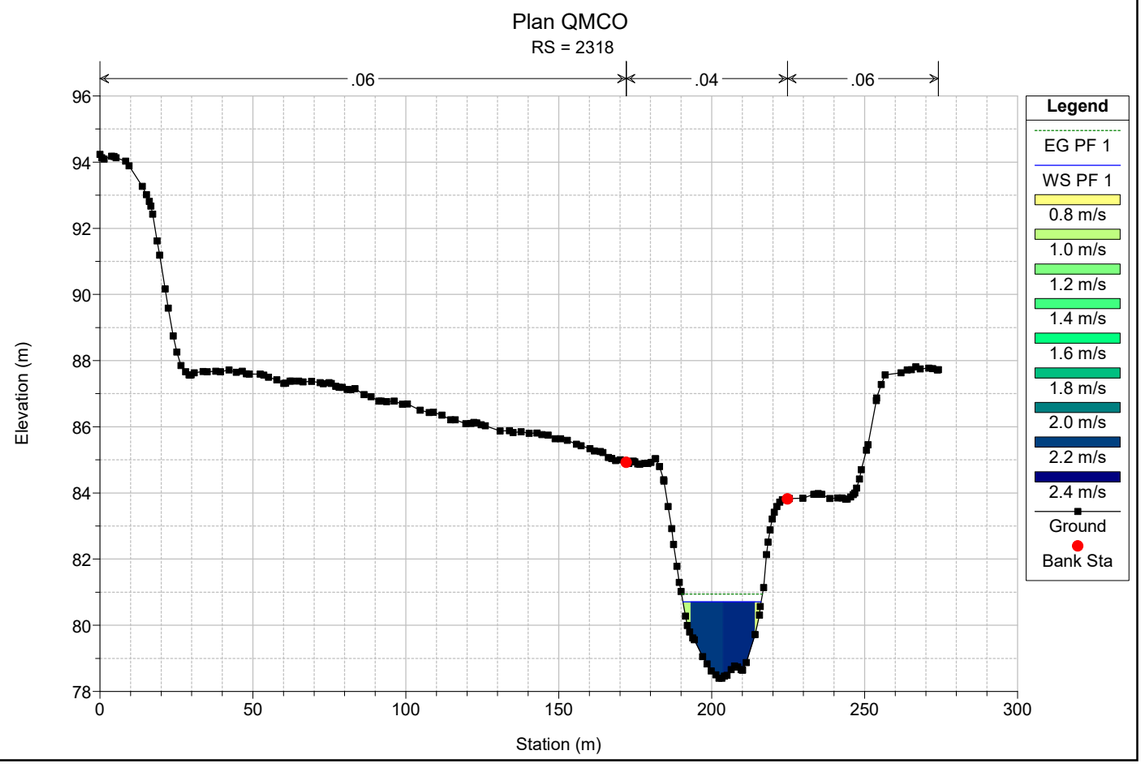

Plan QMCO
RS = 88
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

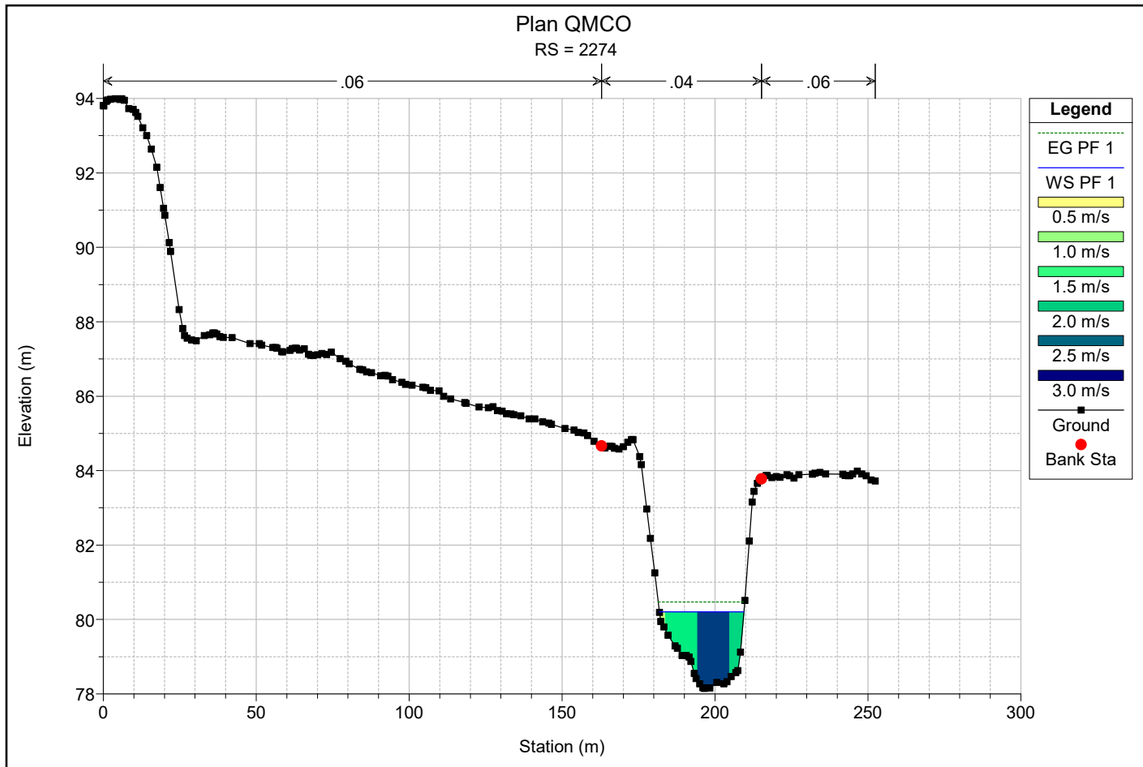

Plan QMCO
RS = 47
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

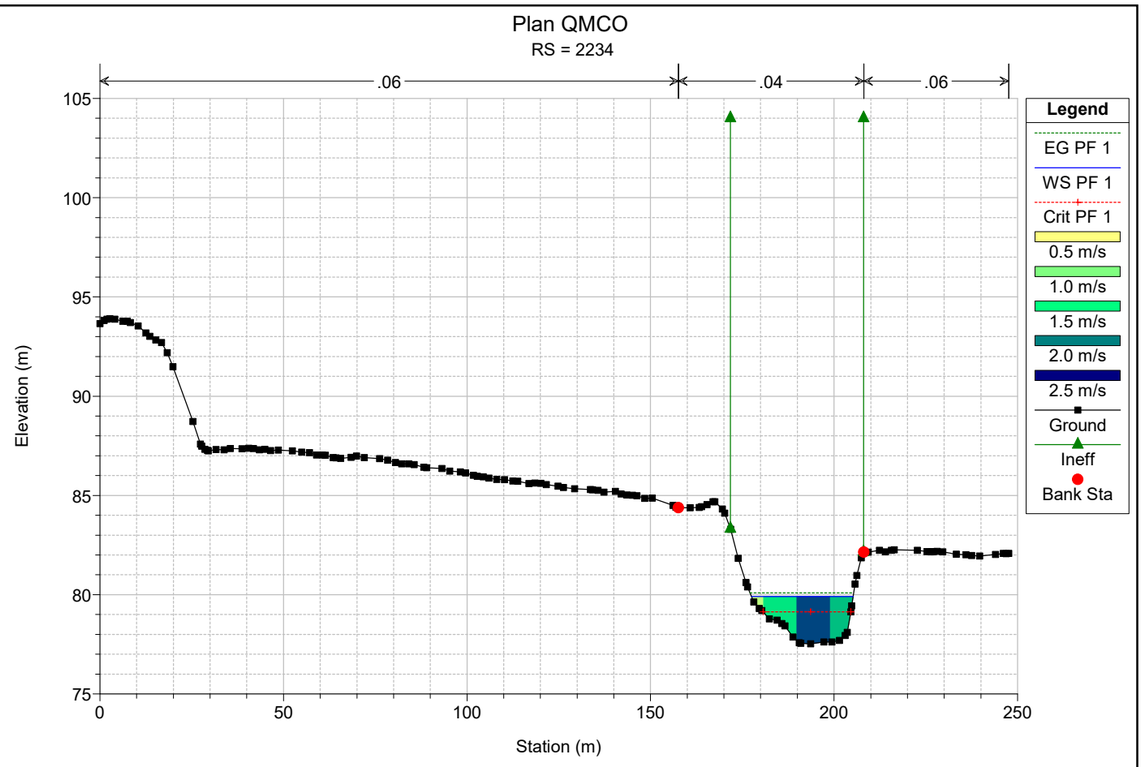

Plan QMCO
RS = 2411
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

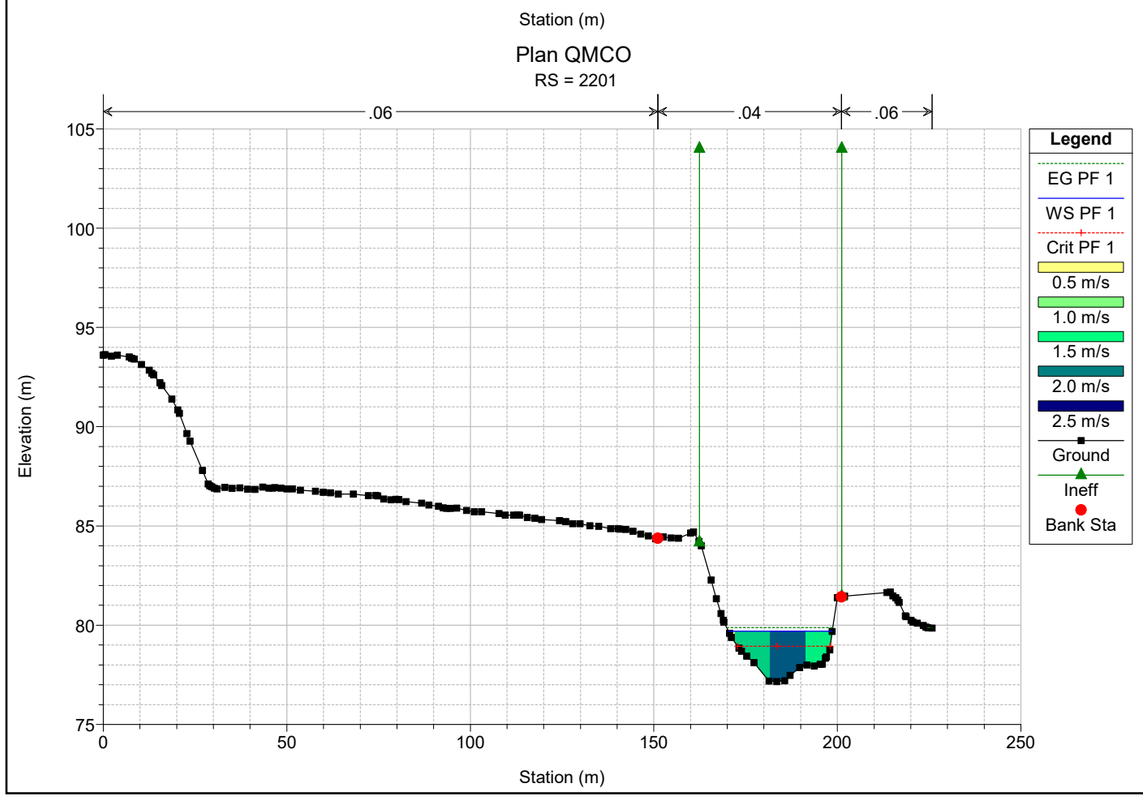

Plan QMCO
RS = 2380
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

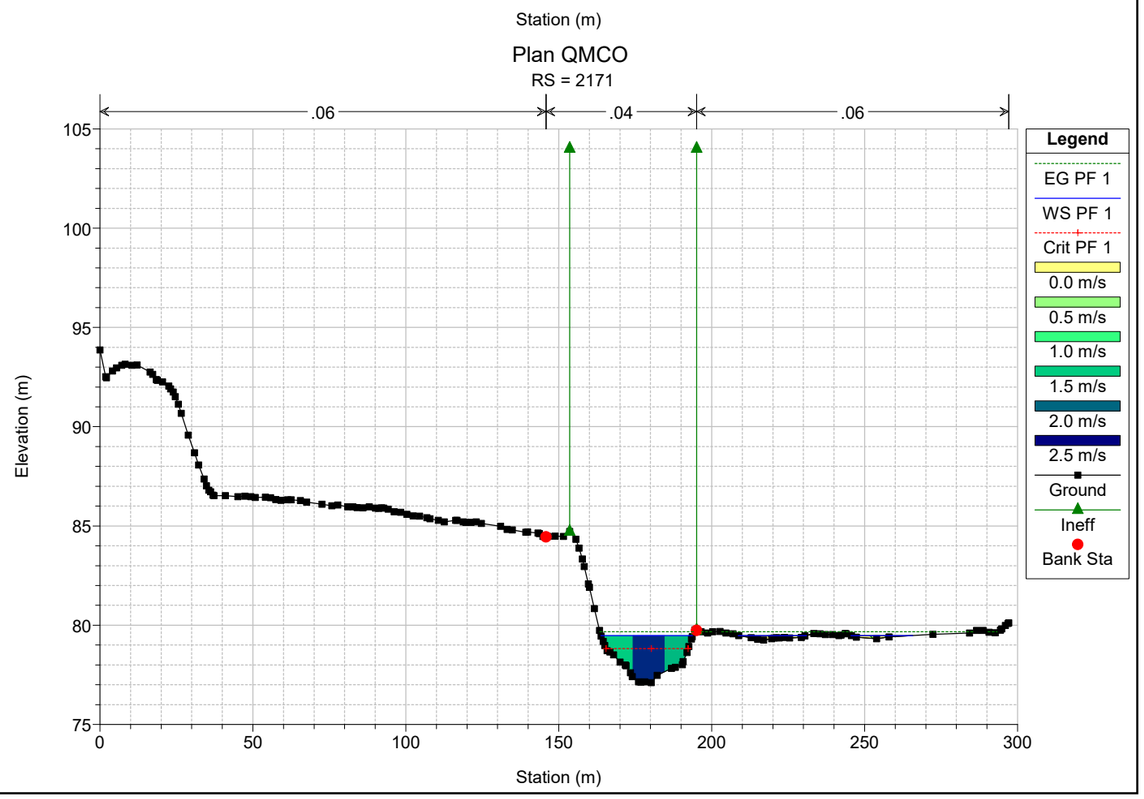

Plan QMCO
RS = 2352
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Bank Sta

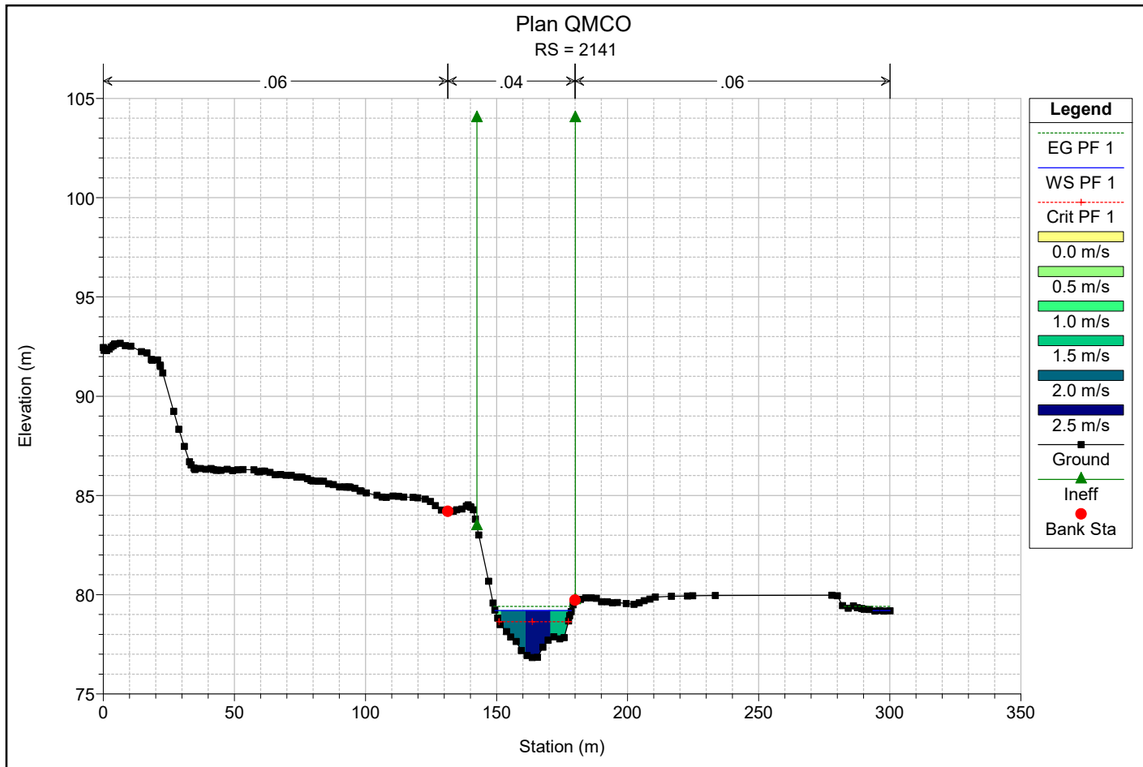

Plan QMCO
RS = 2318
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Bank Sta

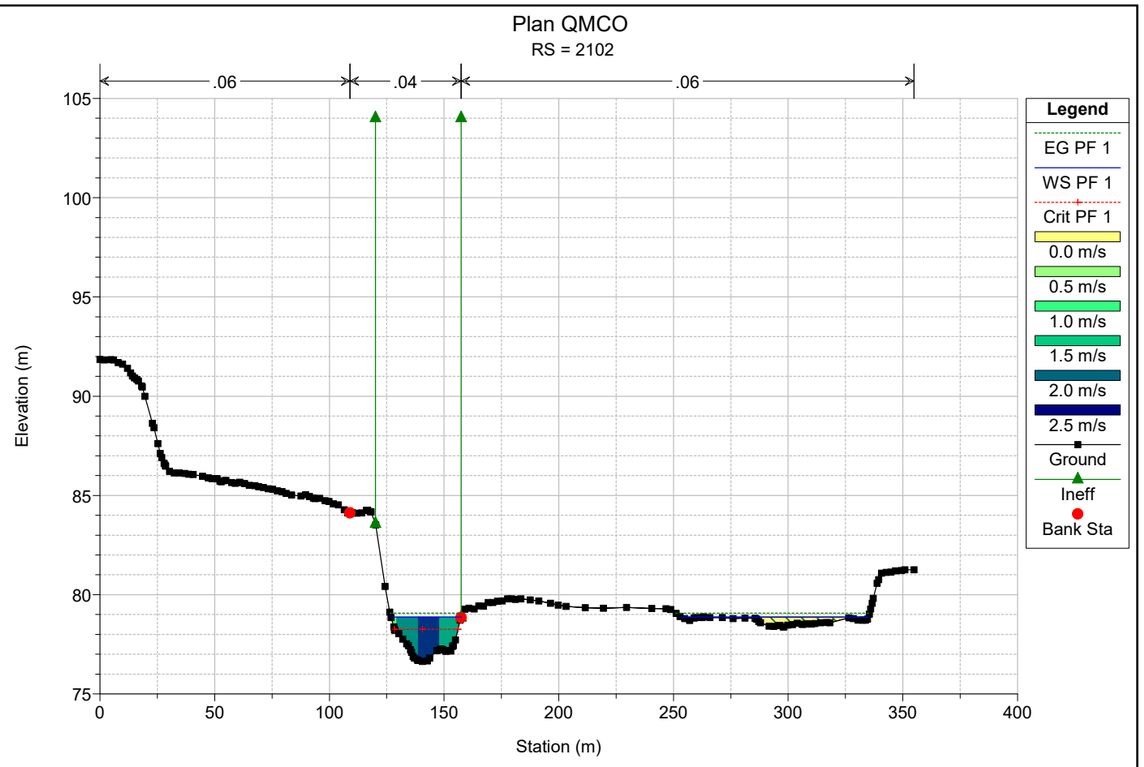

Plan QMCO
RS = 2274
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

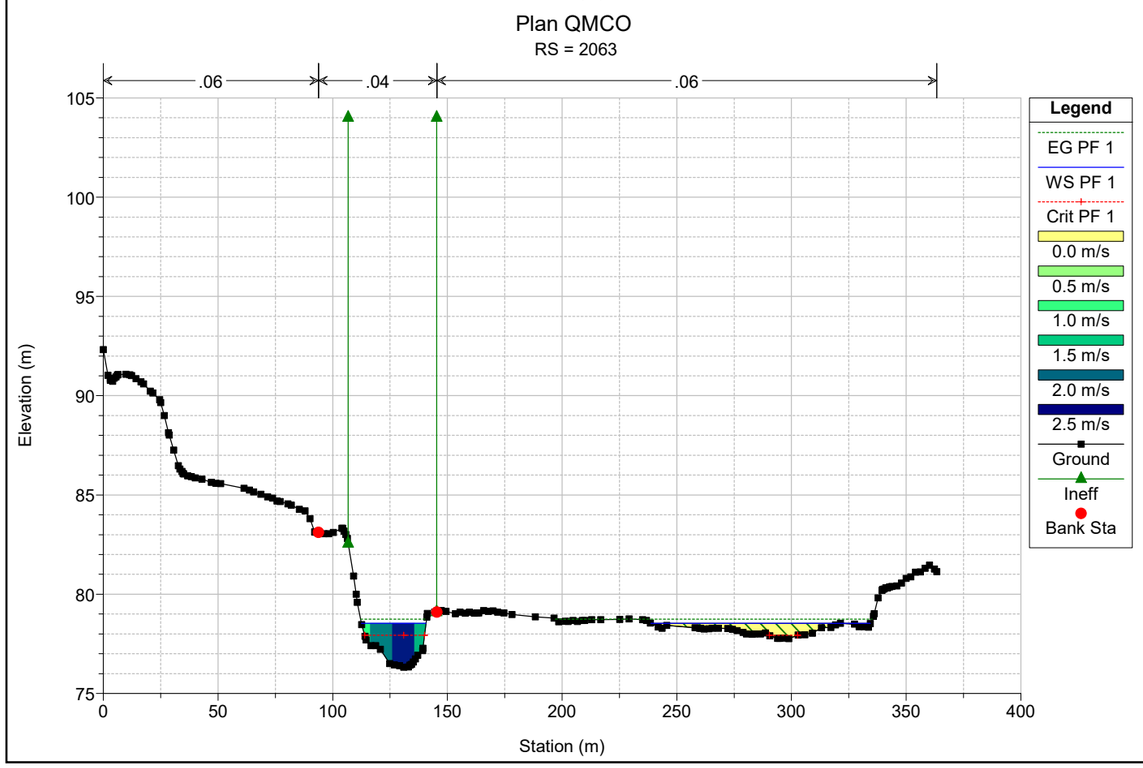

Plan QMCO
RS = 2234
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

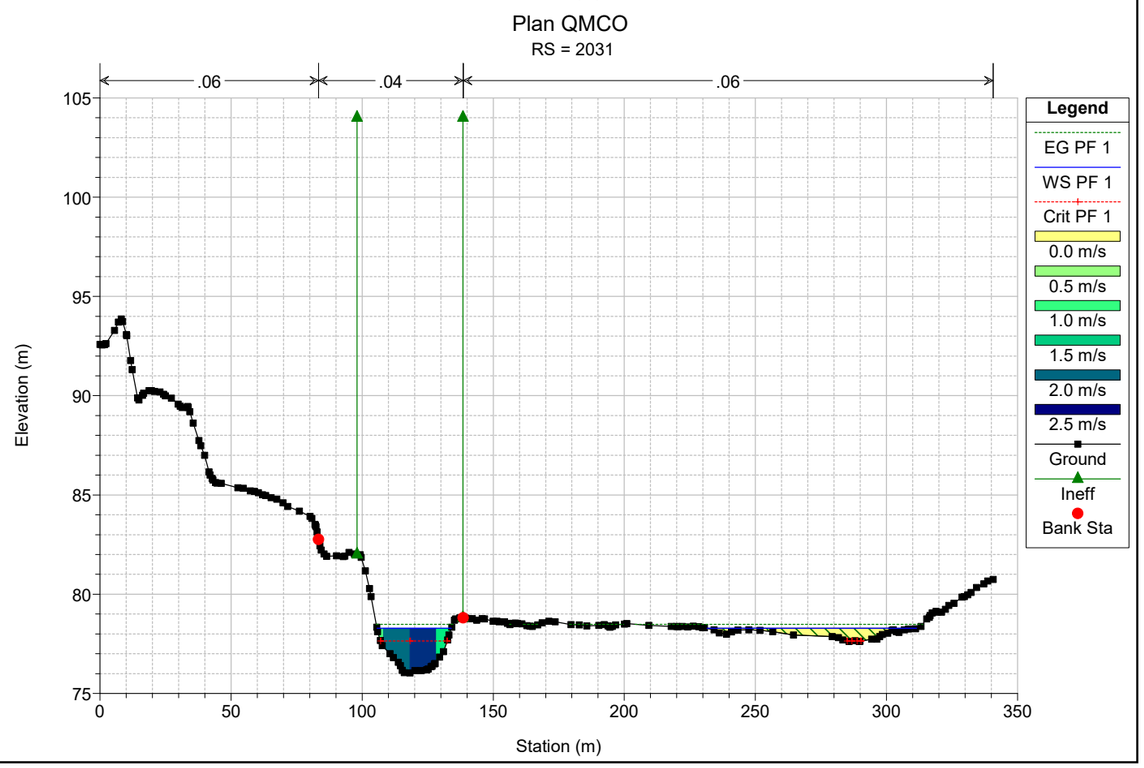

Plan QMCO
RS = 2201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

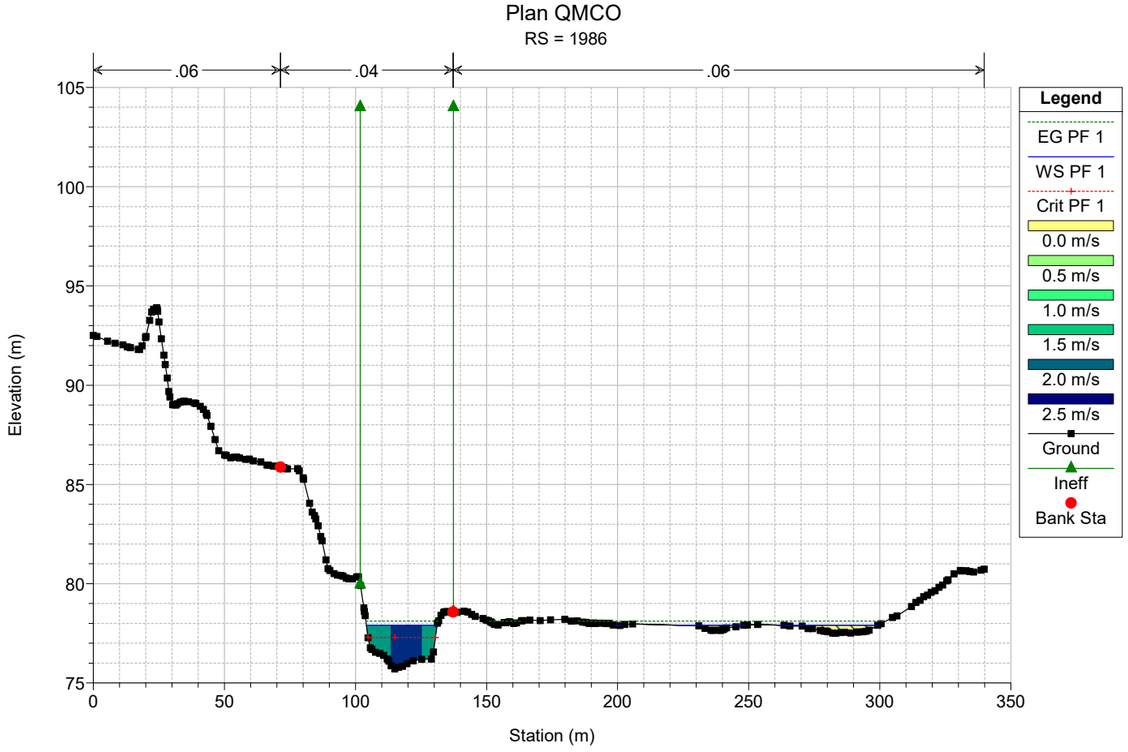

Plan QMCO
RS = 2171
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

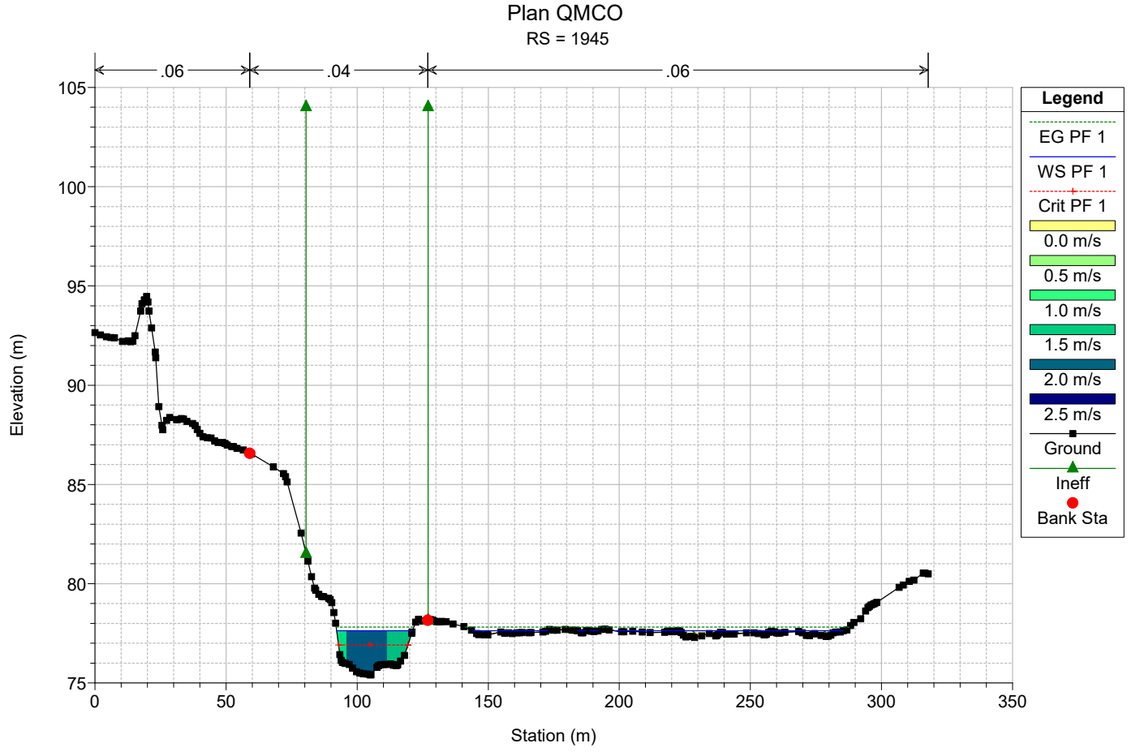

Plan QMCO
RS = 2141
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

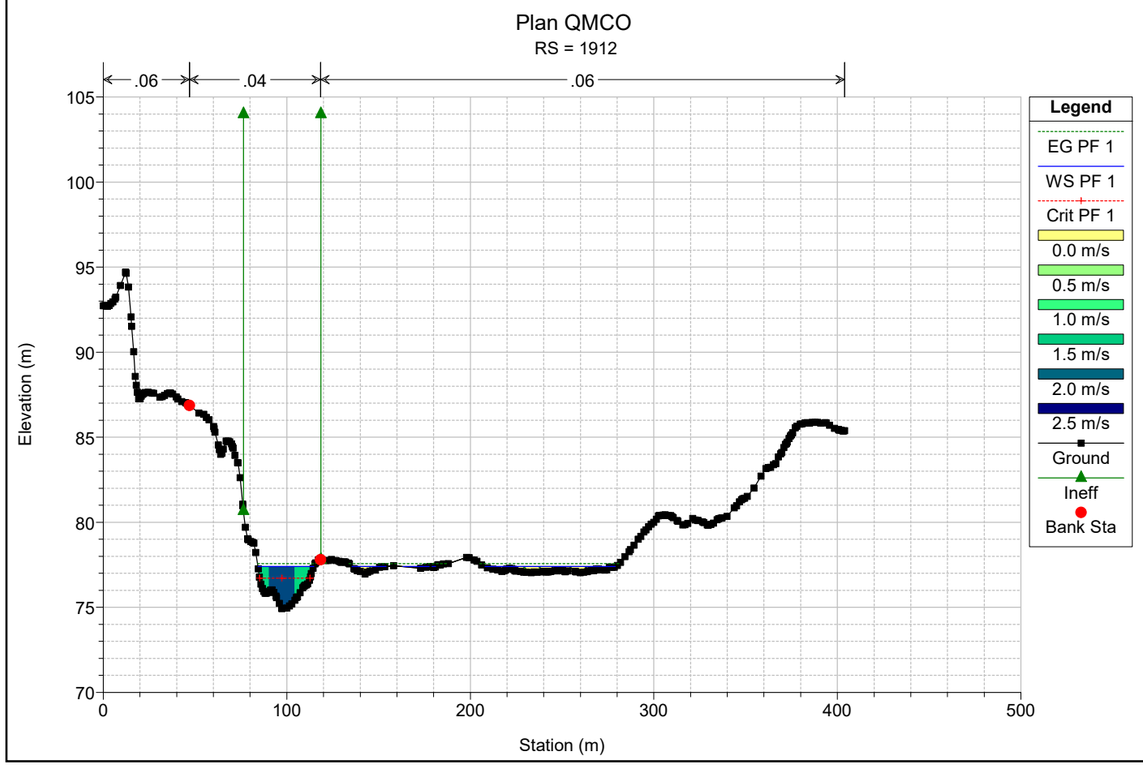

Plan QMCO
RS = 2102
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

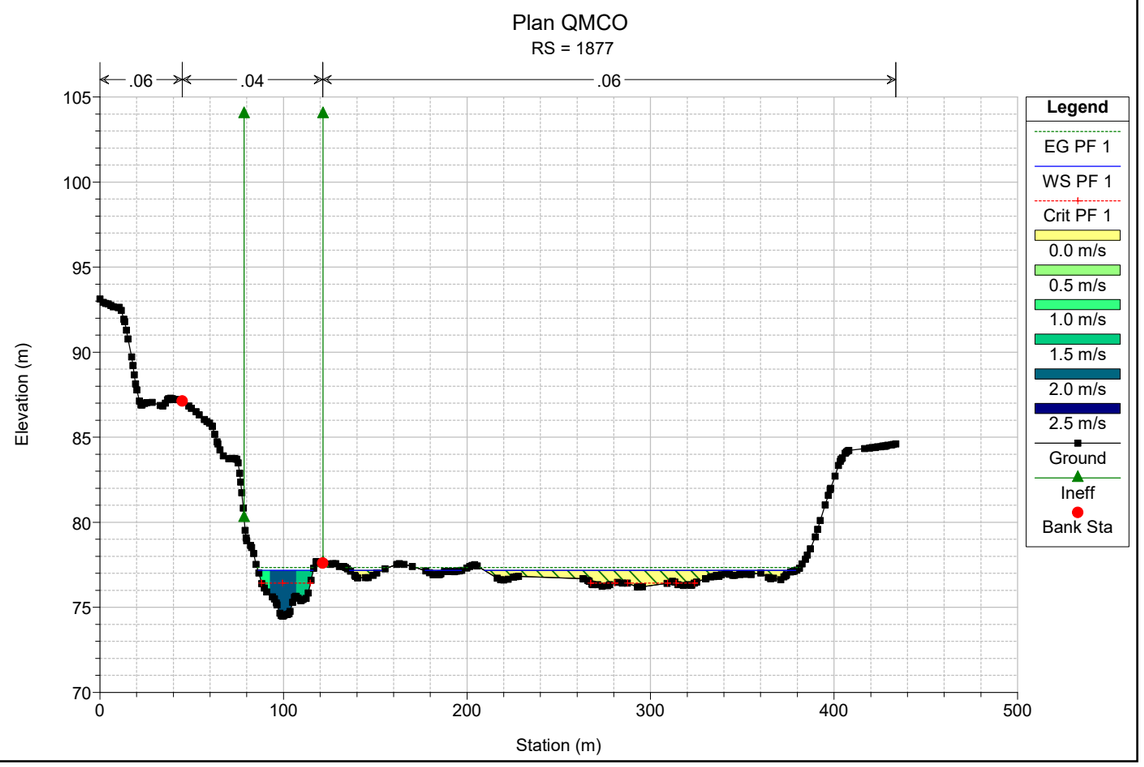

Plan QMCO
RS = 2063
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

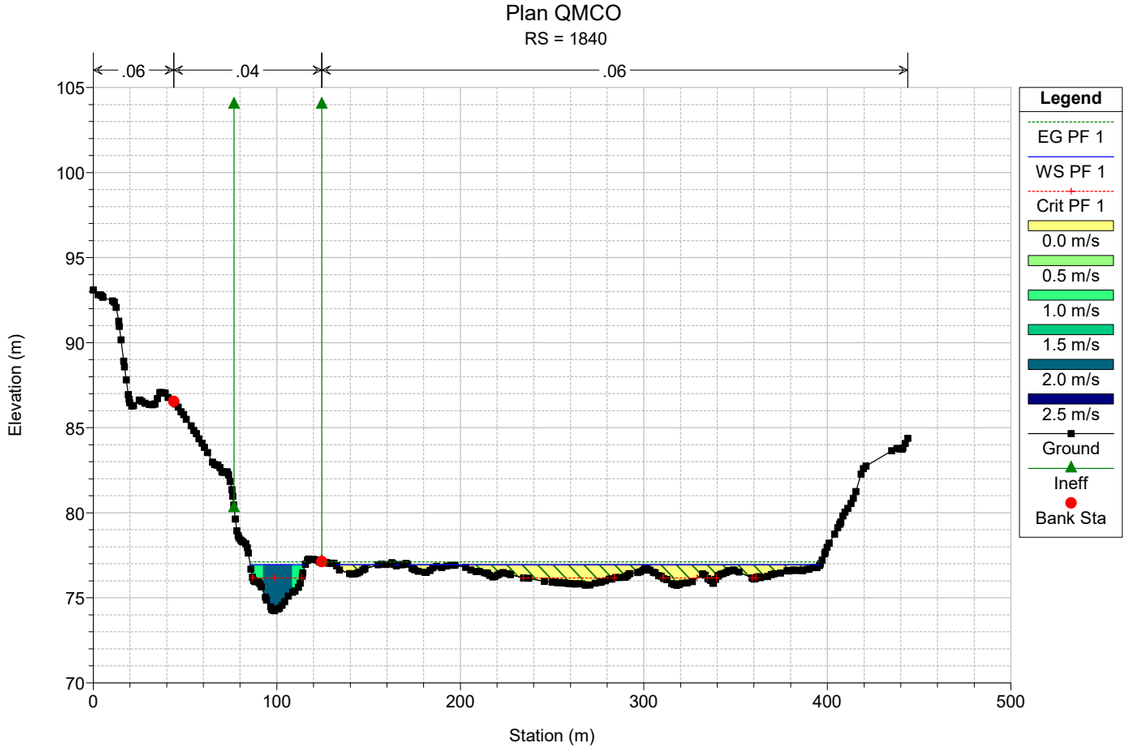

Plan QMCO
RS = 2031
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

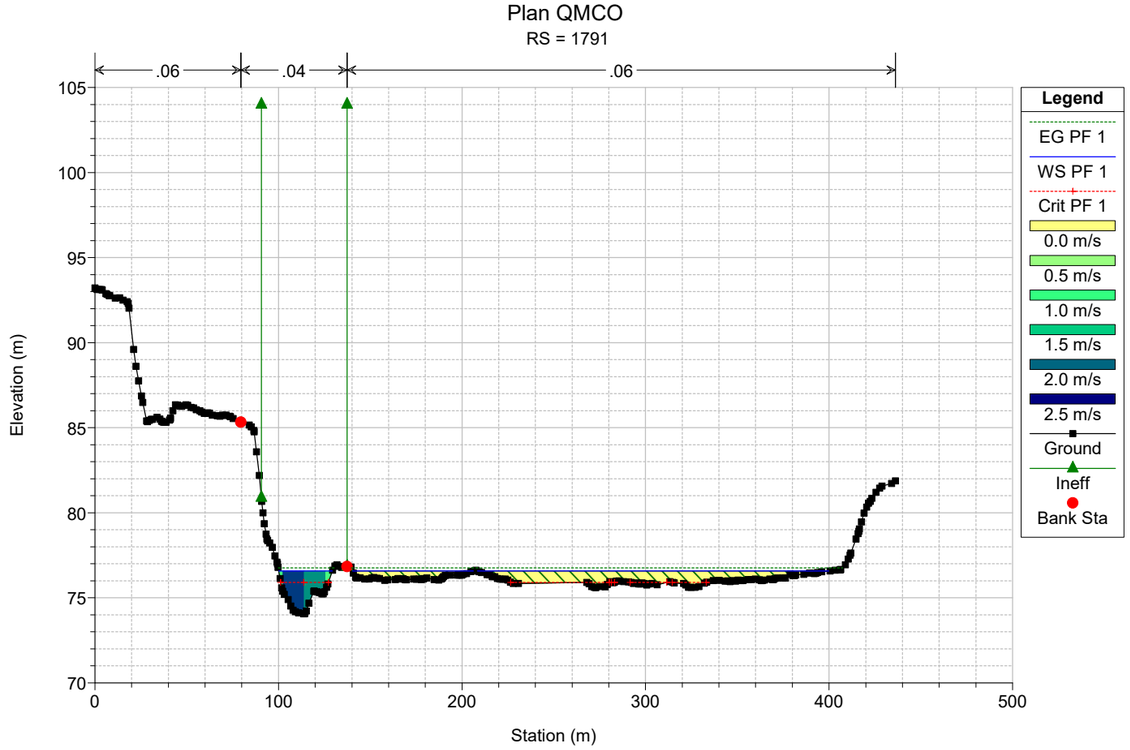

Plan QMCO
RS = 1986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

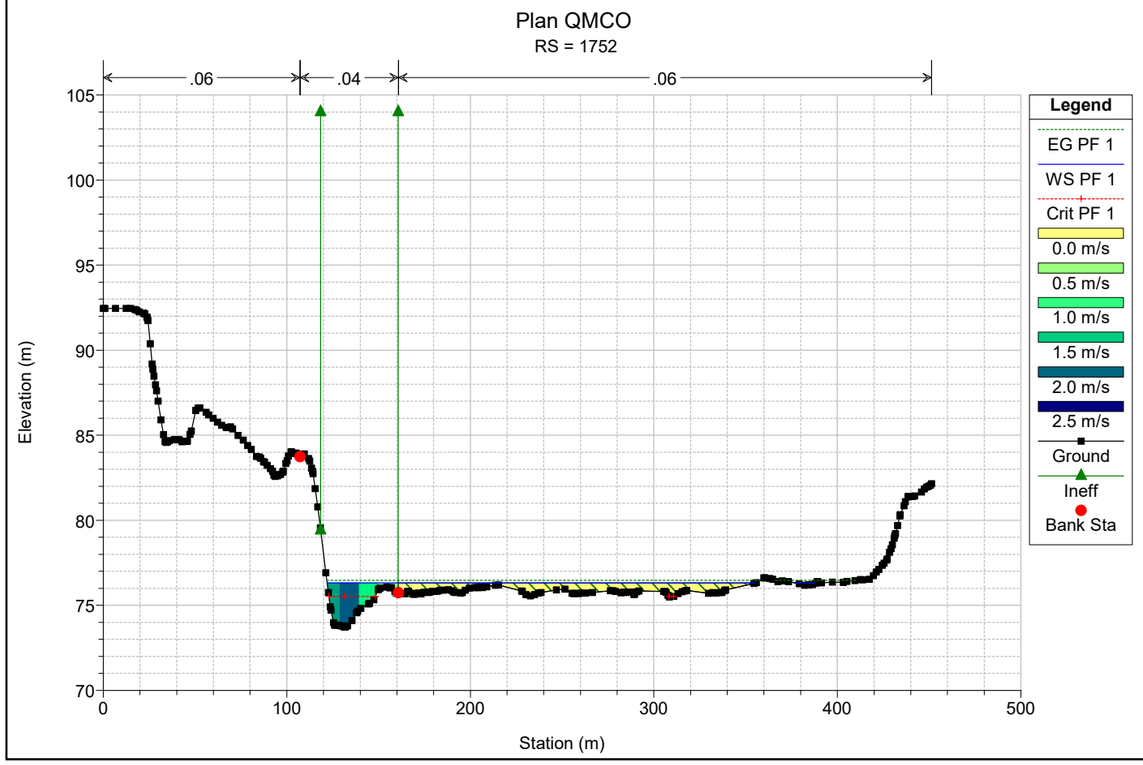

Plan QMCO
RS = 1945
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

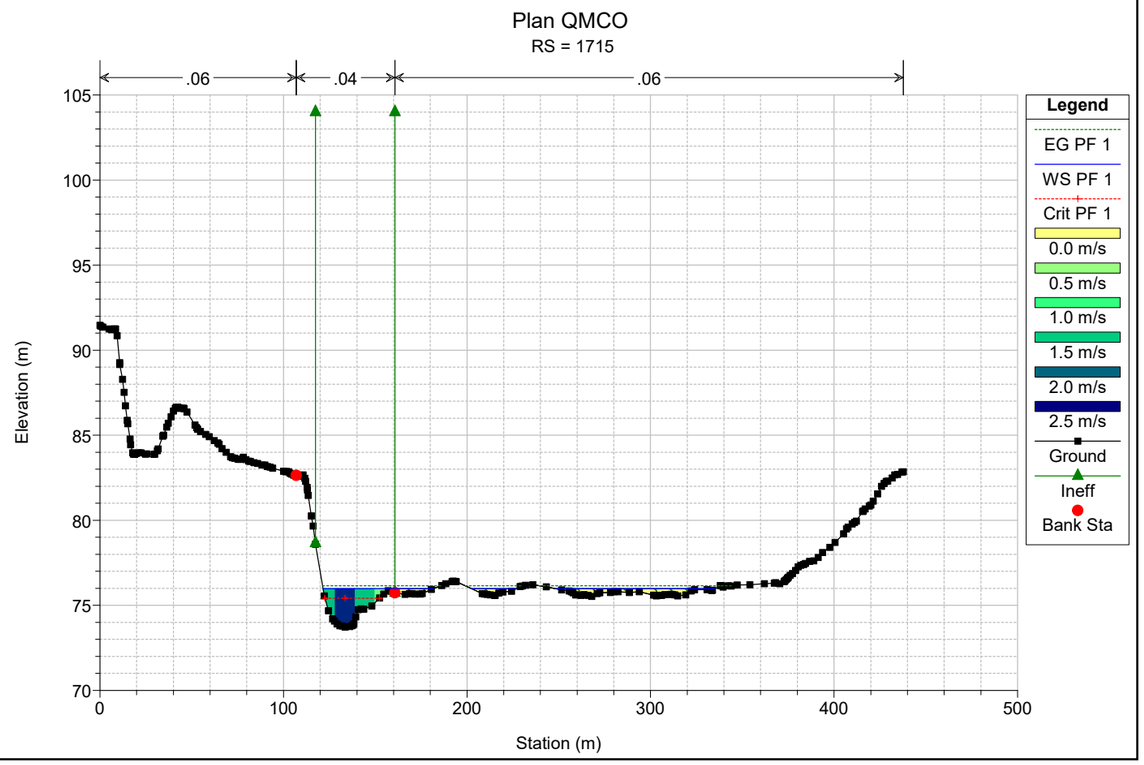

Plan QMCO
RS = 1912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

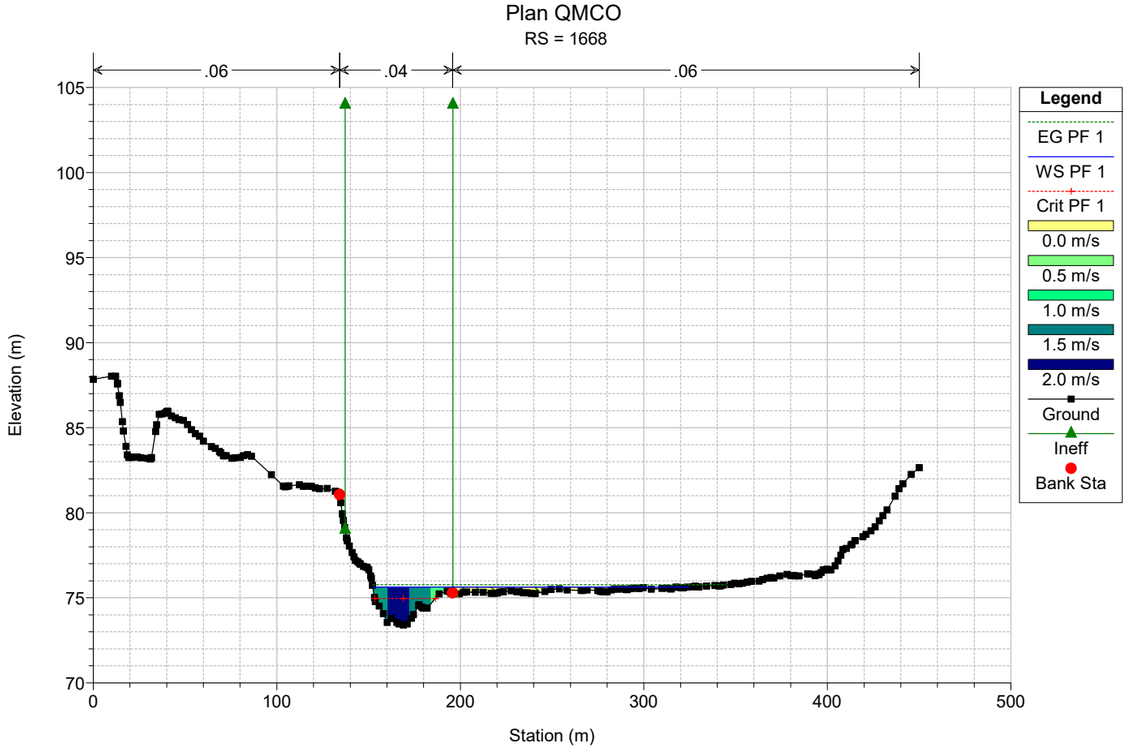

Plan QMCO
RS = 1877
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

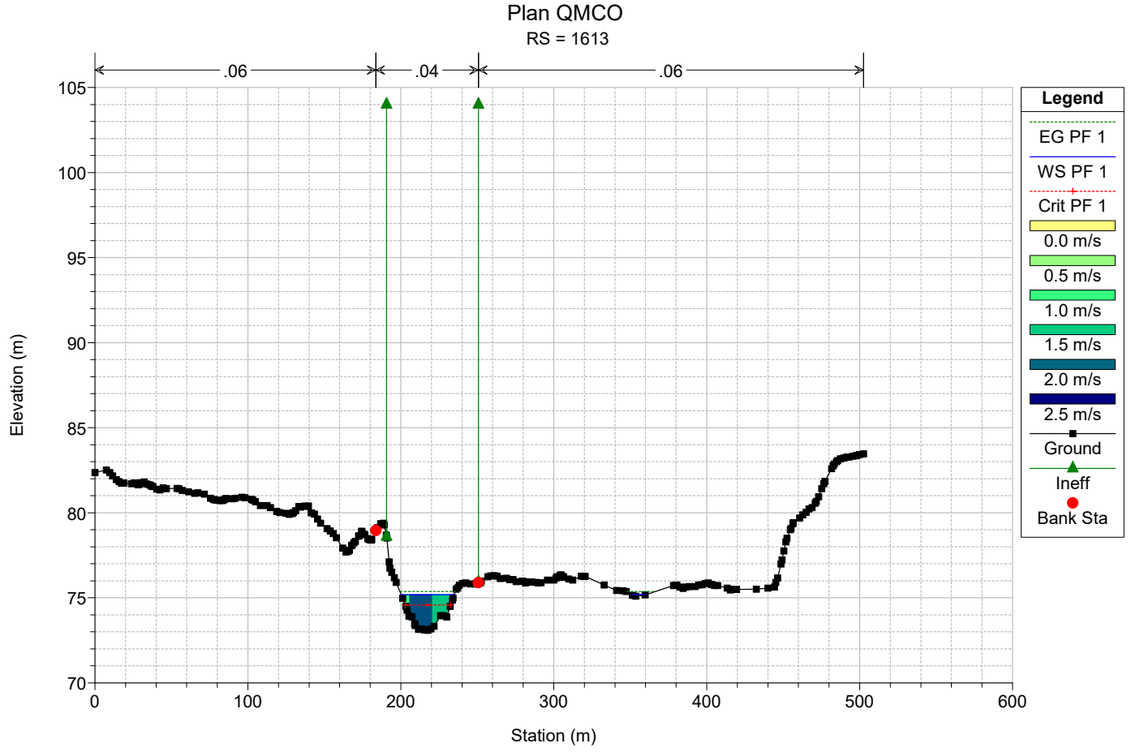

Plan QMCO
RS = 1840
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

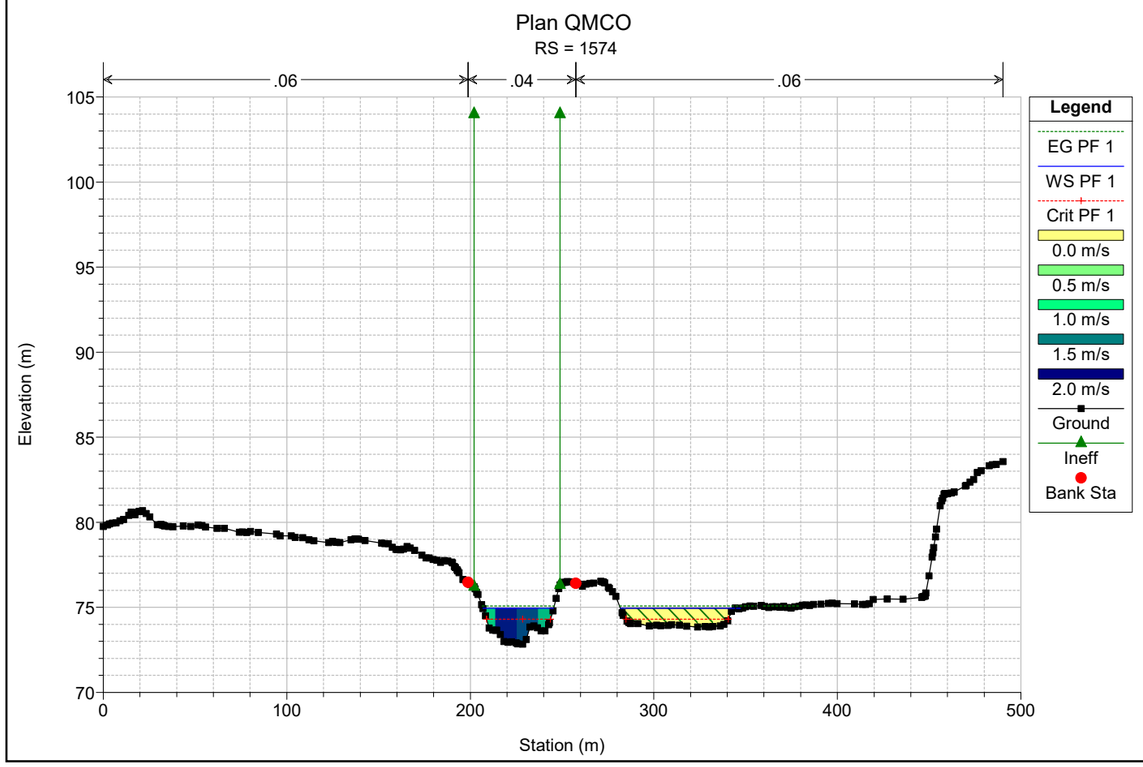

Plan QMCO
RS = 1791
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

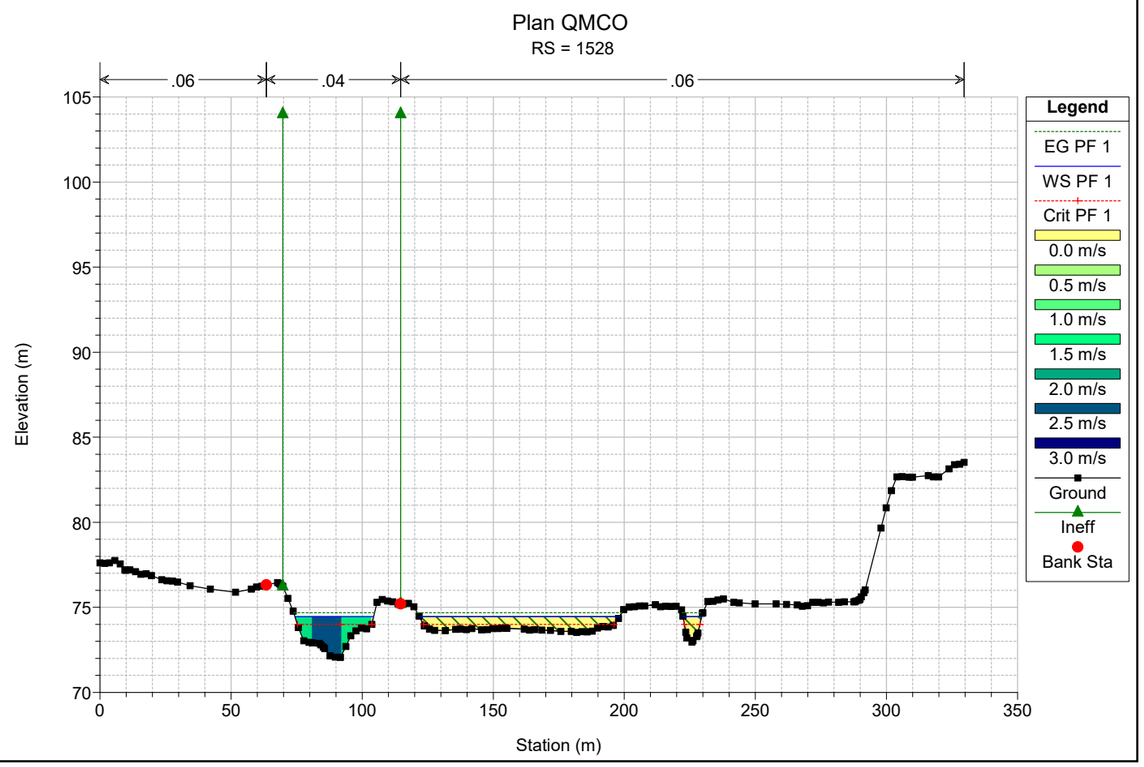

Plan QMCO
RS = 1752
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

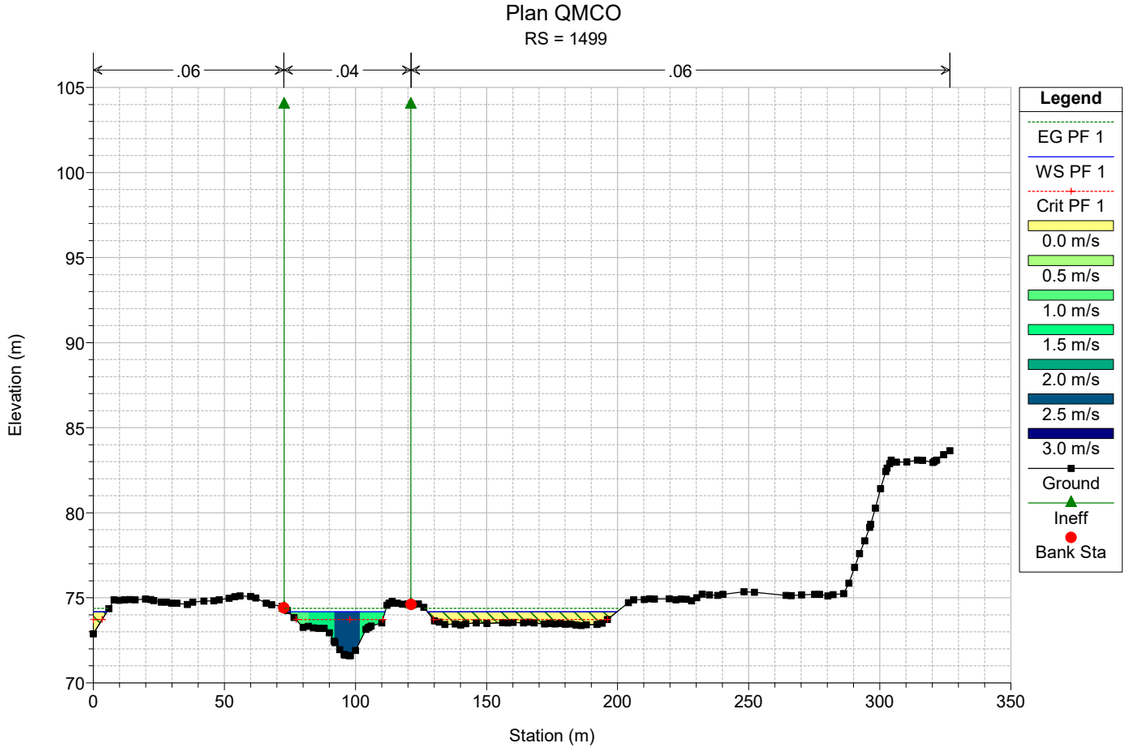

Plan QMCO
RS = 1715
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

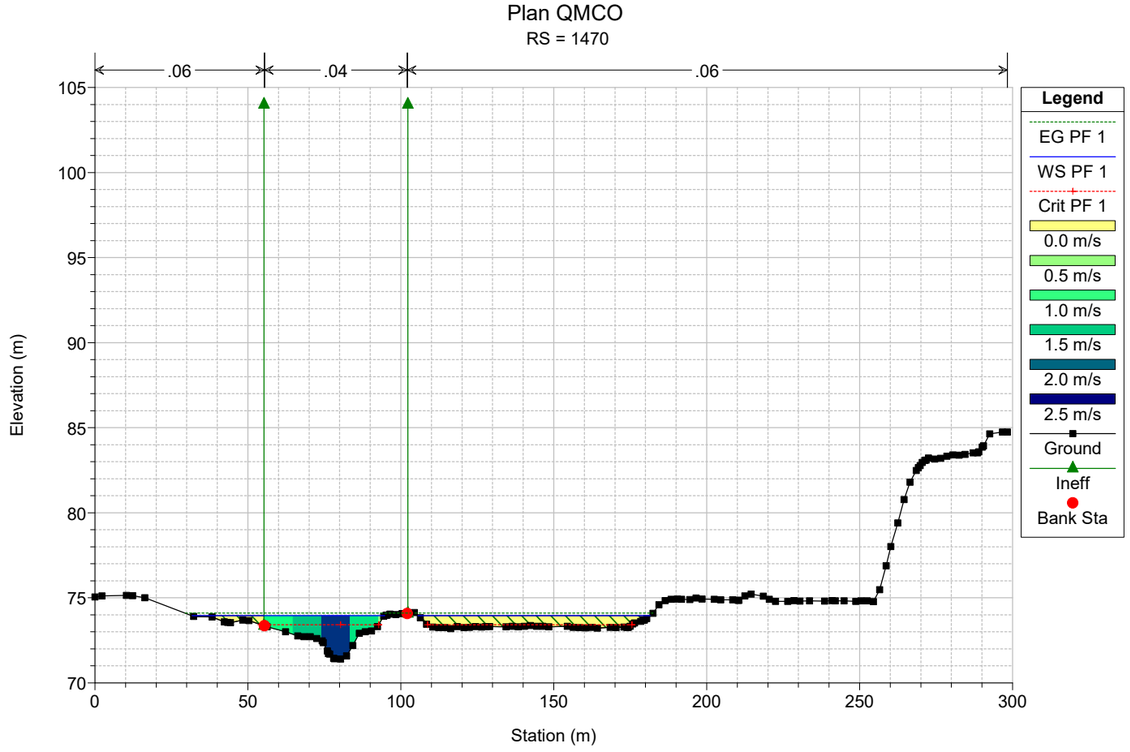

Plan QMCO
RS = 1668
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

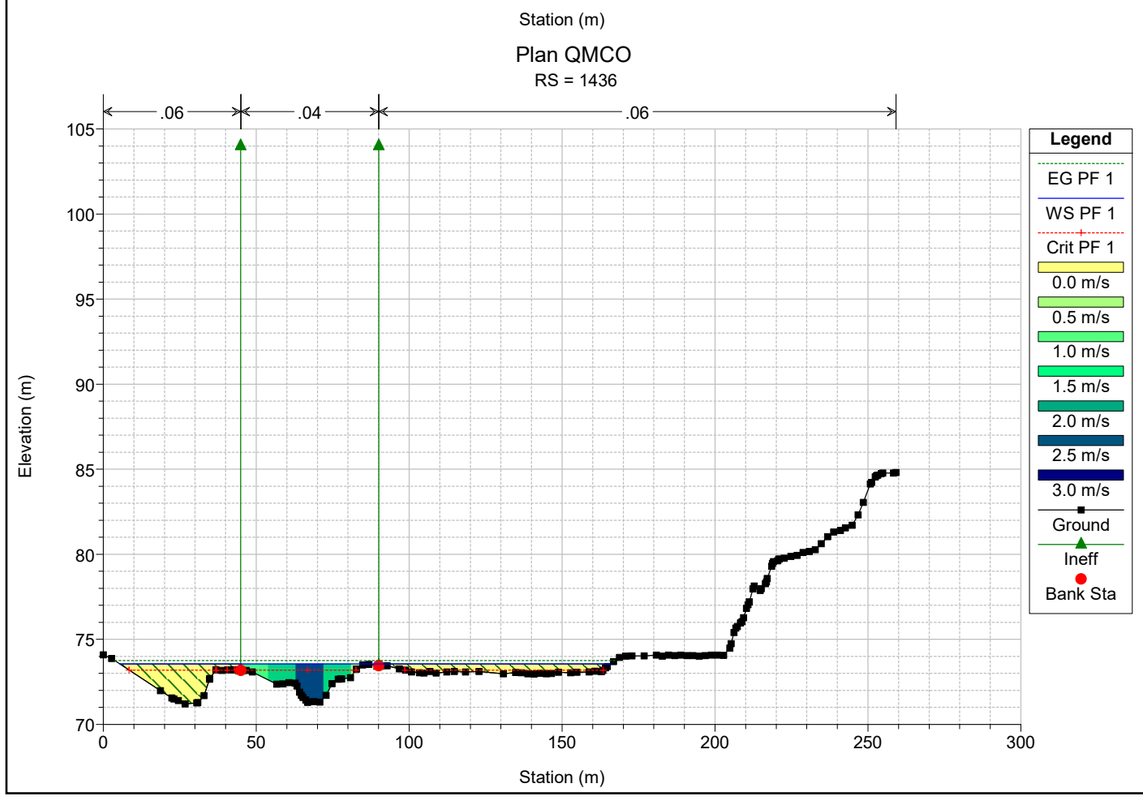

Plan QMCO
RS = 1613
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

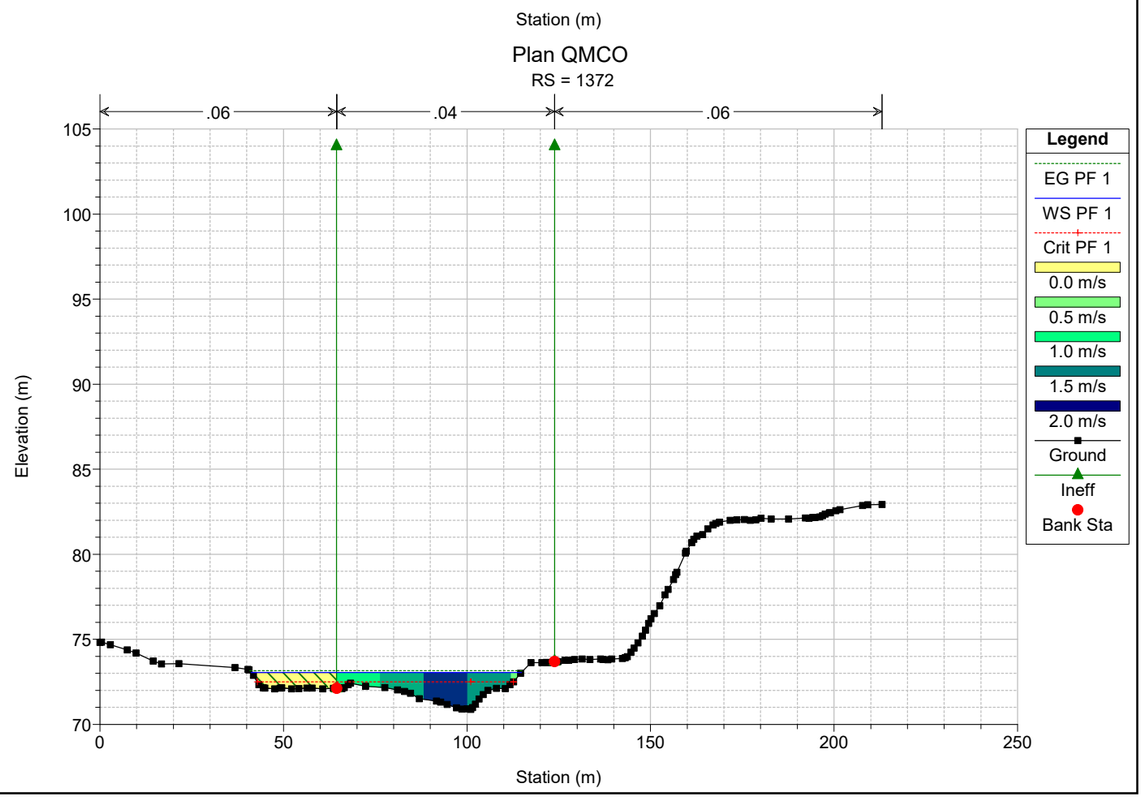

Plan QMCO
RS = 1574
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

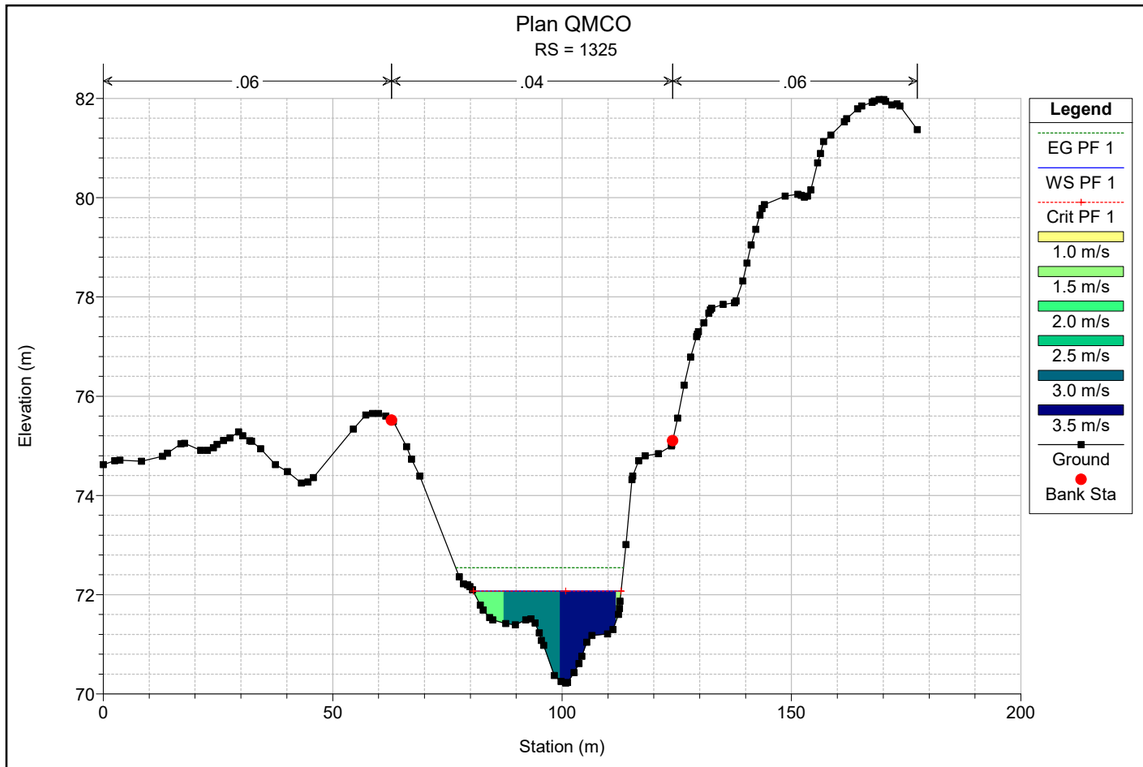

Plan QMCO
RS = 1528
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

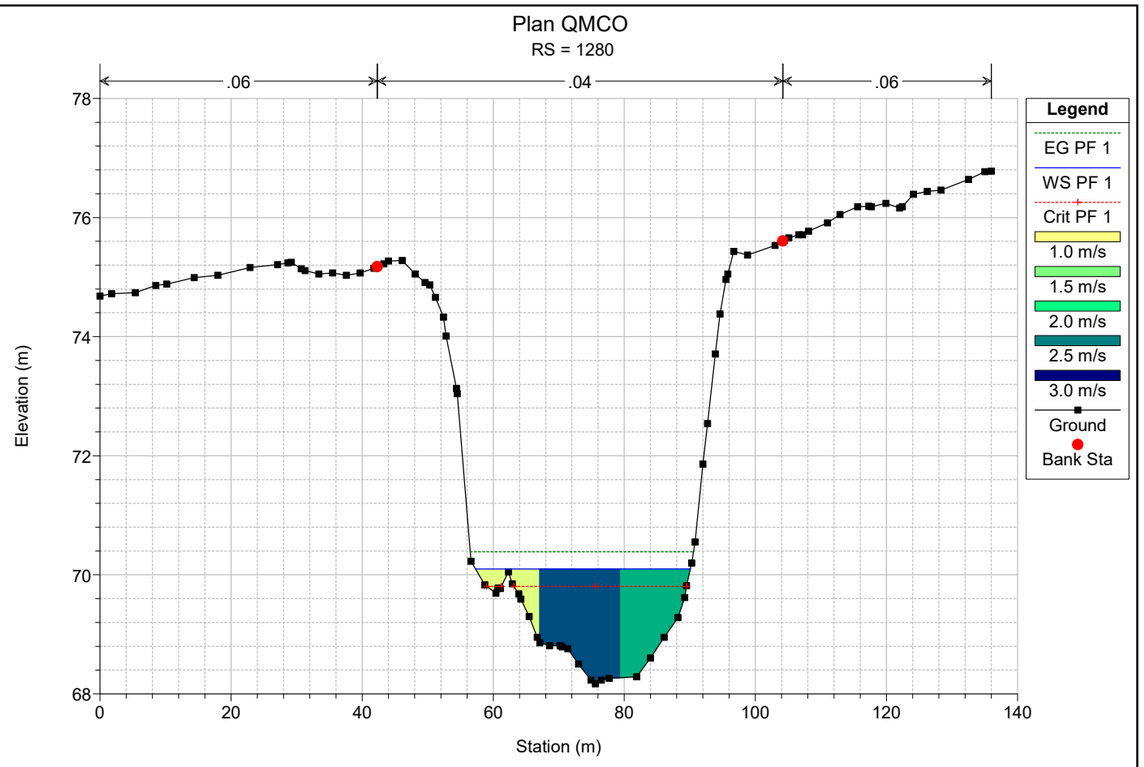

Plan QMCO
RS = 1499
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

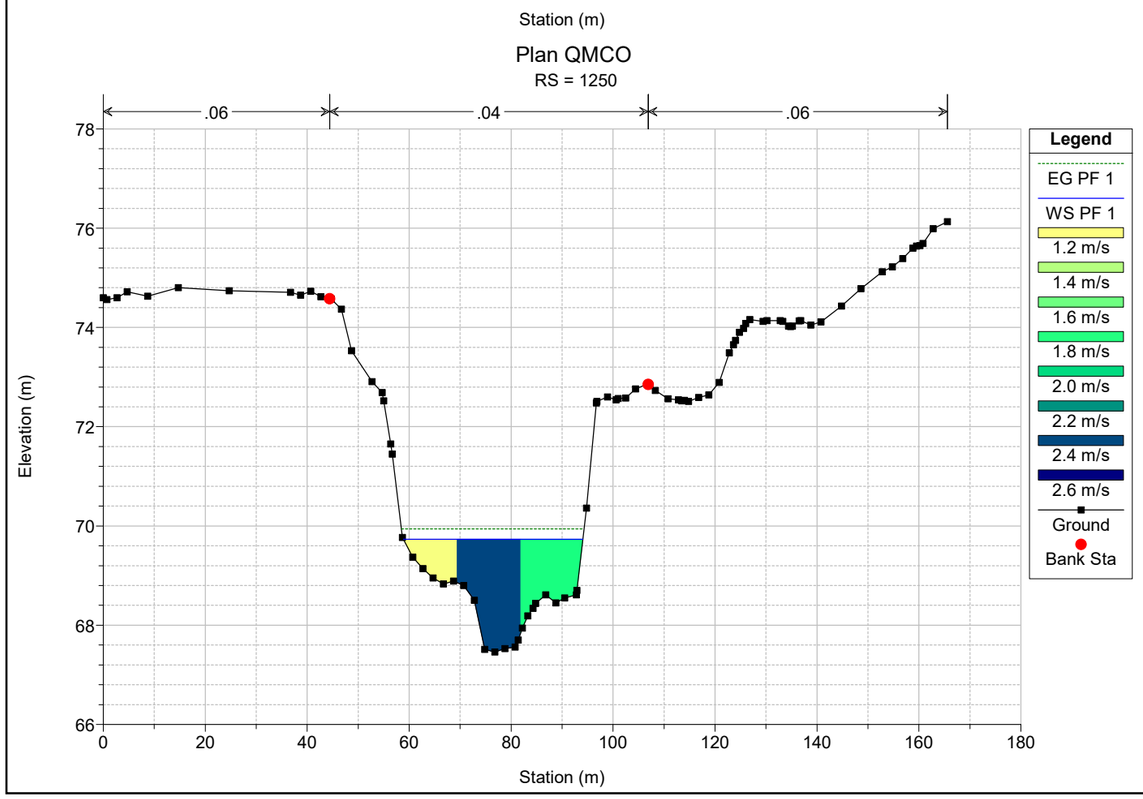

Plan QMCO
RS = 1470
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

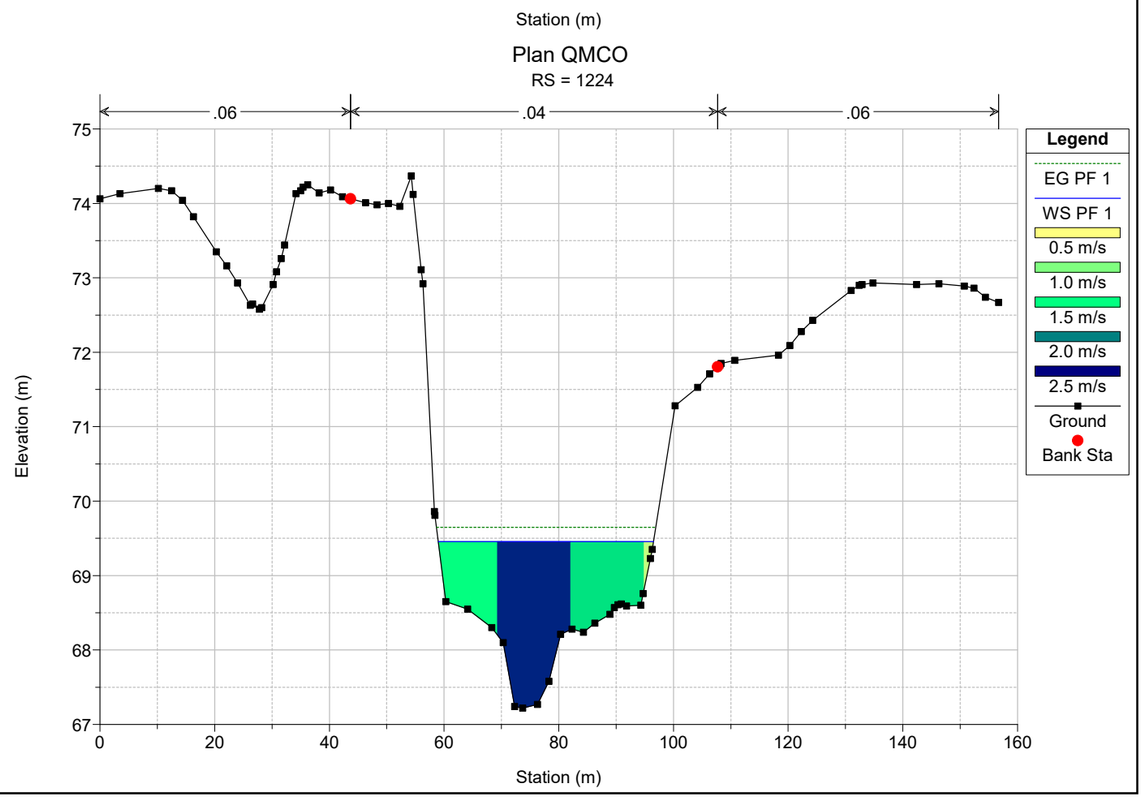

Plan QMCO
RS = 1436
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

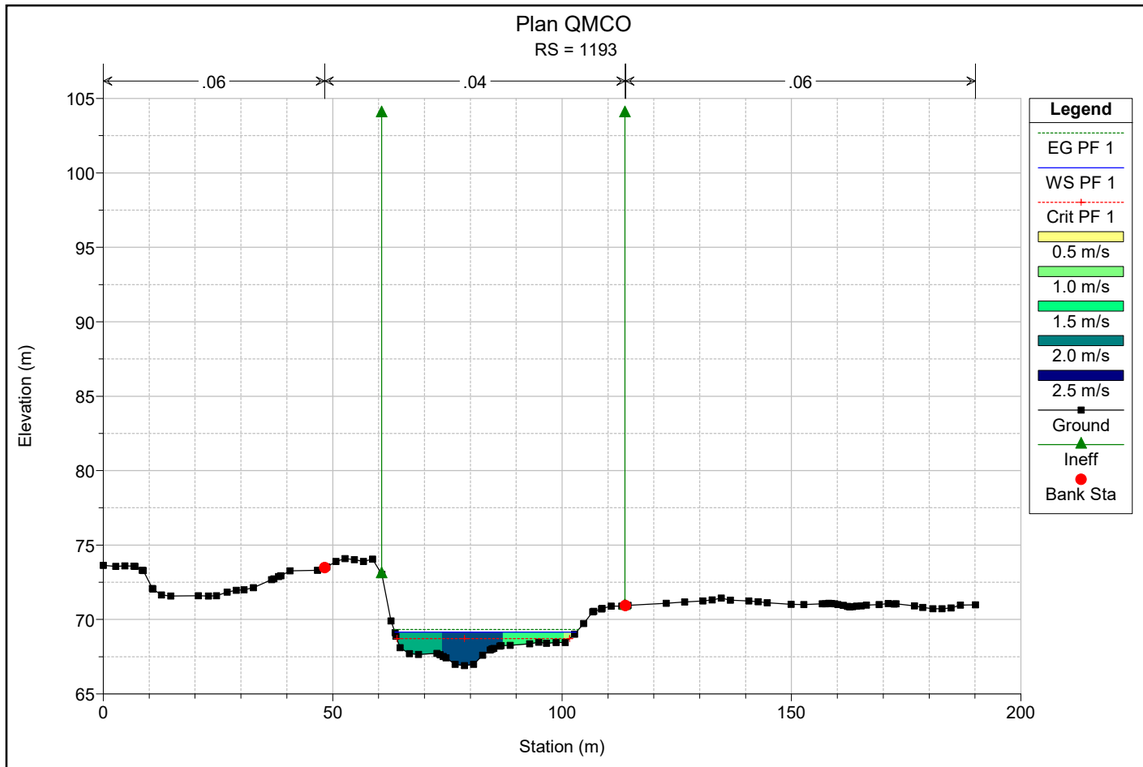

Plan QMCO
RS = 1372
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

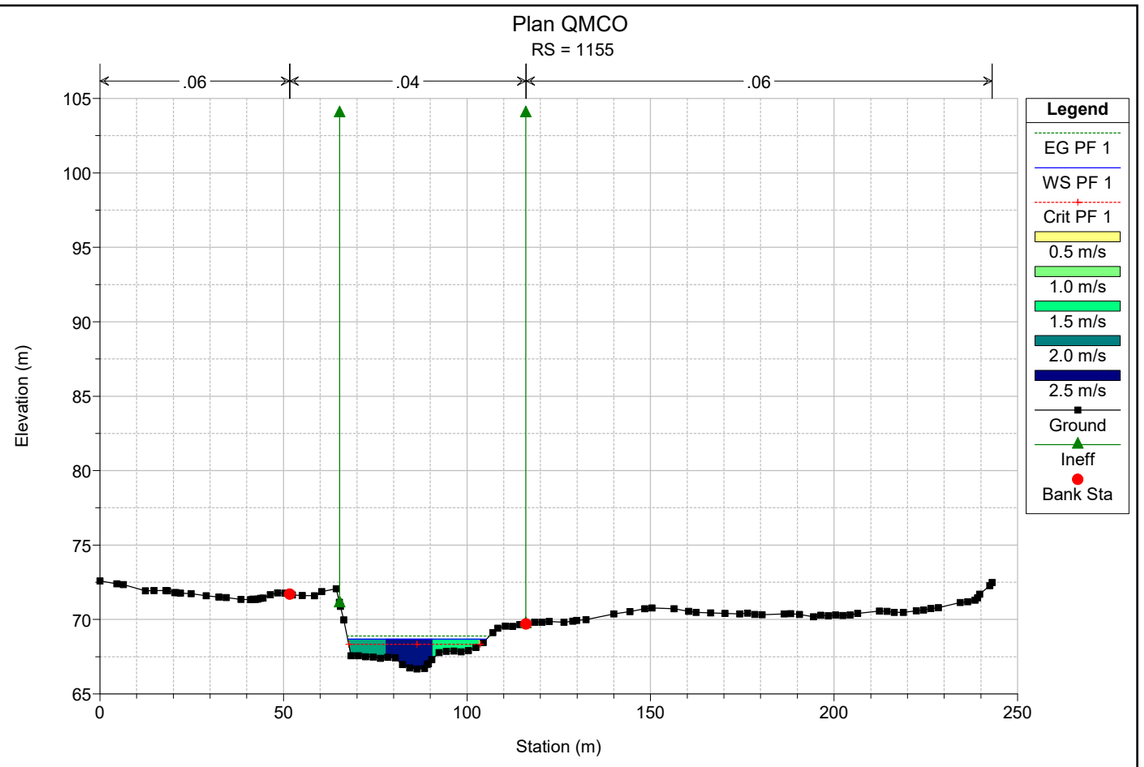

Plan QMCO
RS = 1325
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

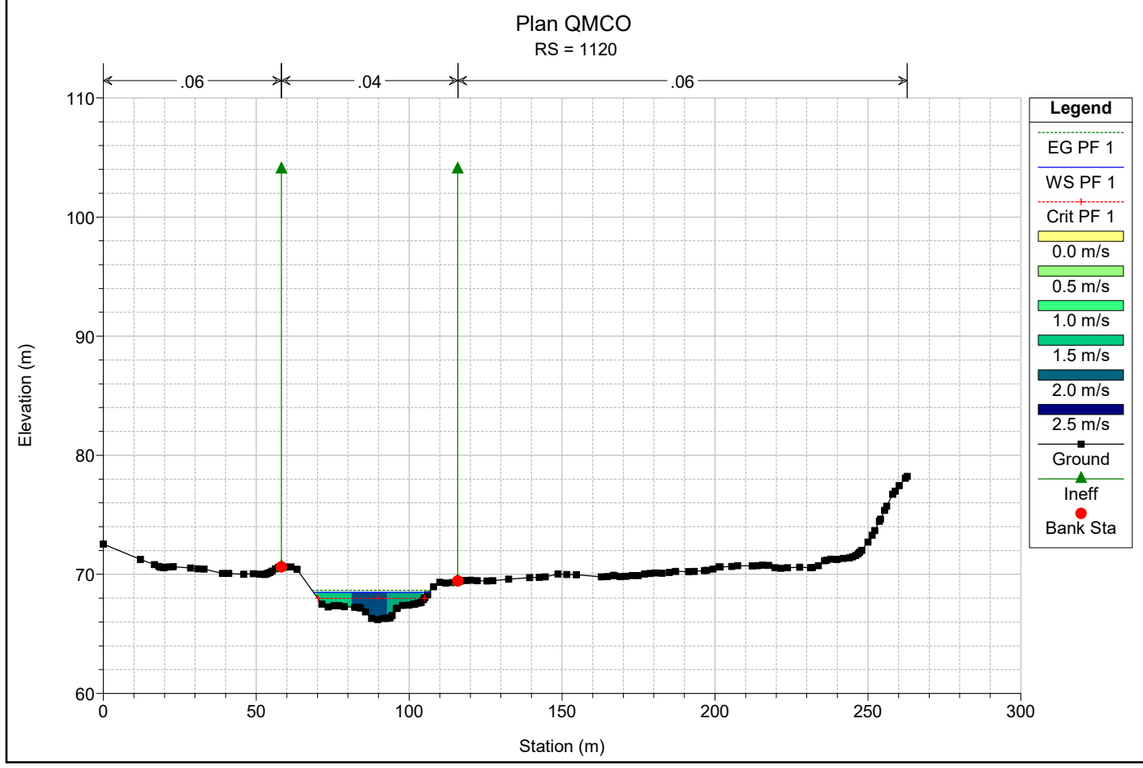

Plan QMCO
RS = 1280
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

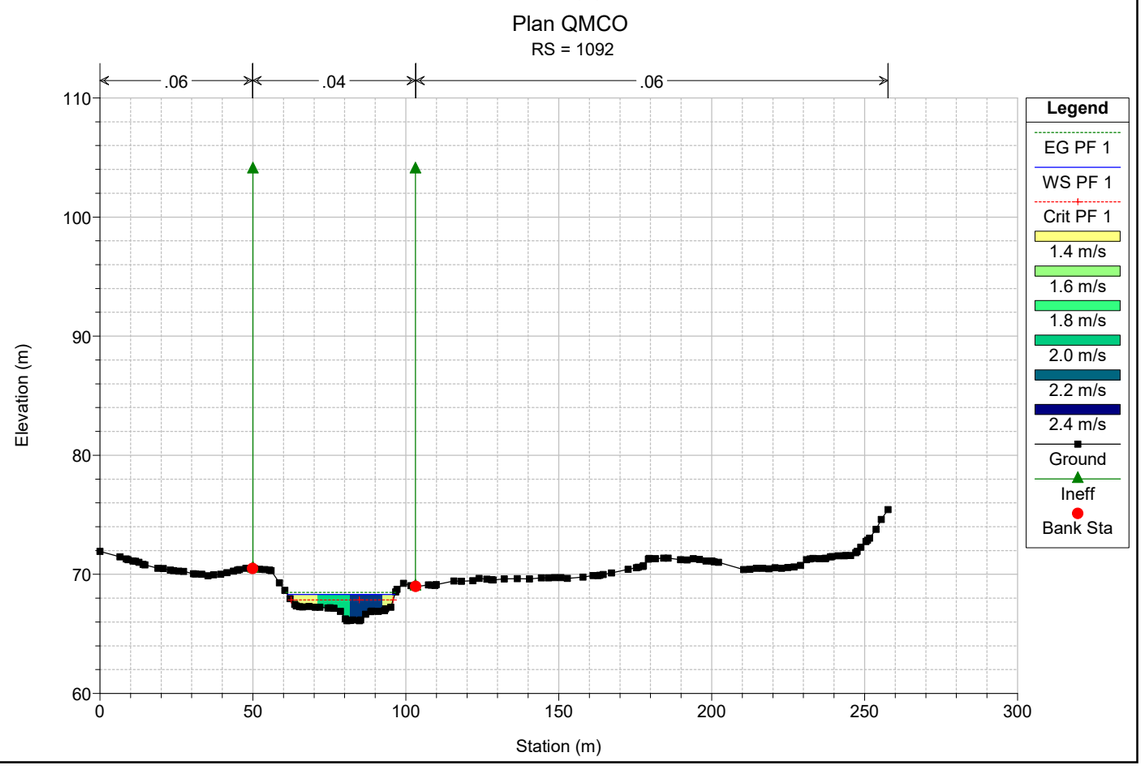

Plan QMCO
RS = 1250
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Bank Sta

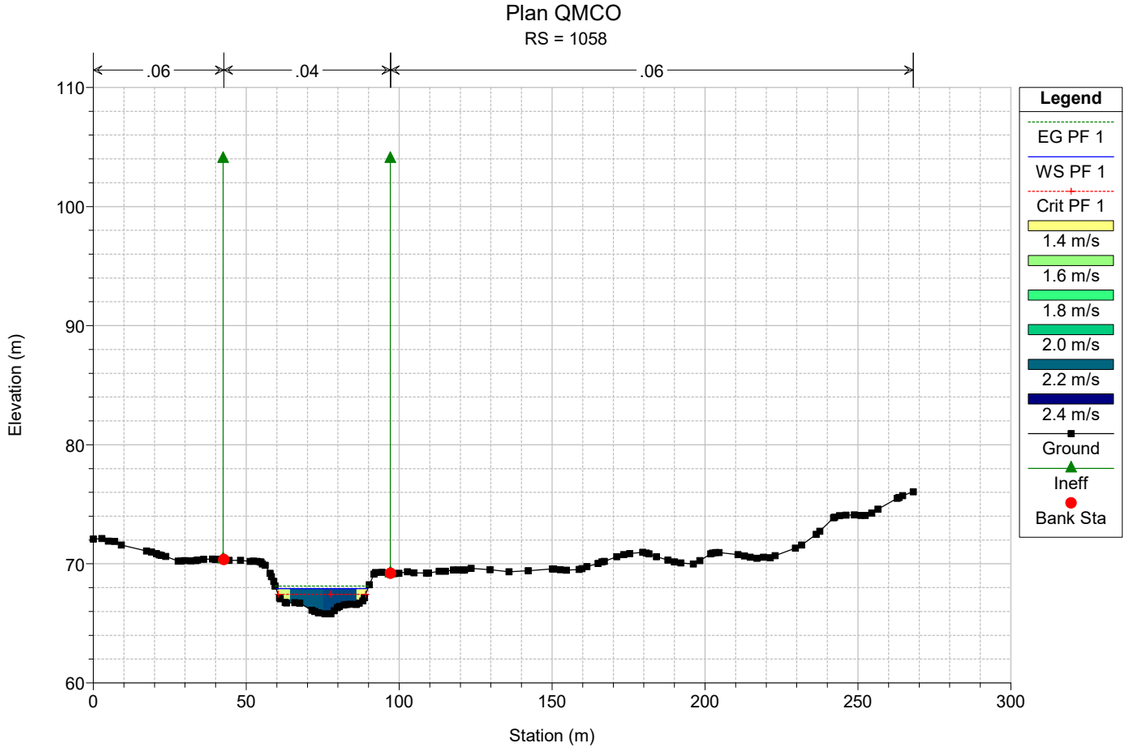

Plan QMCO
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

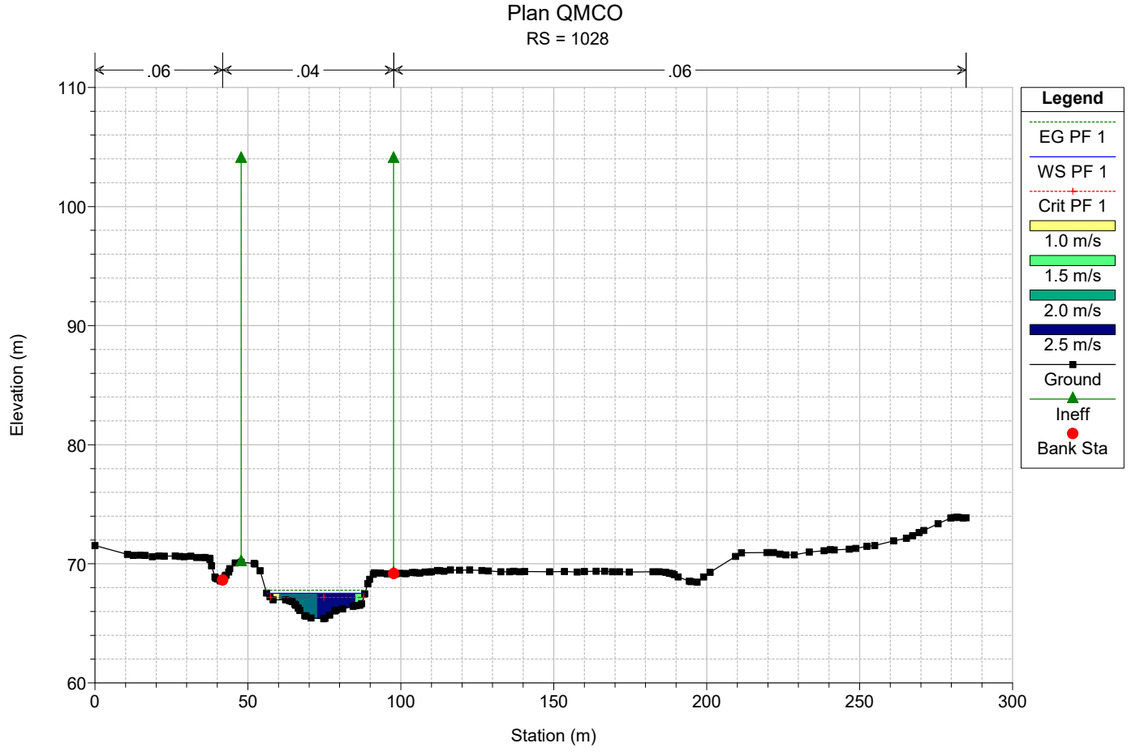

Plan QMCO
RS = 1193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

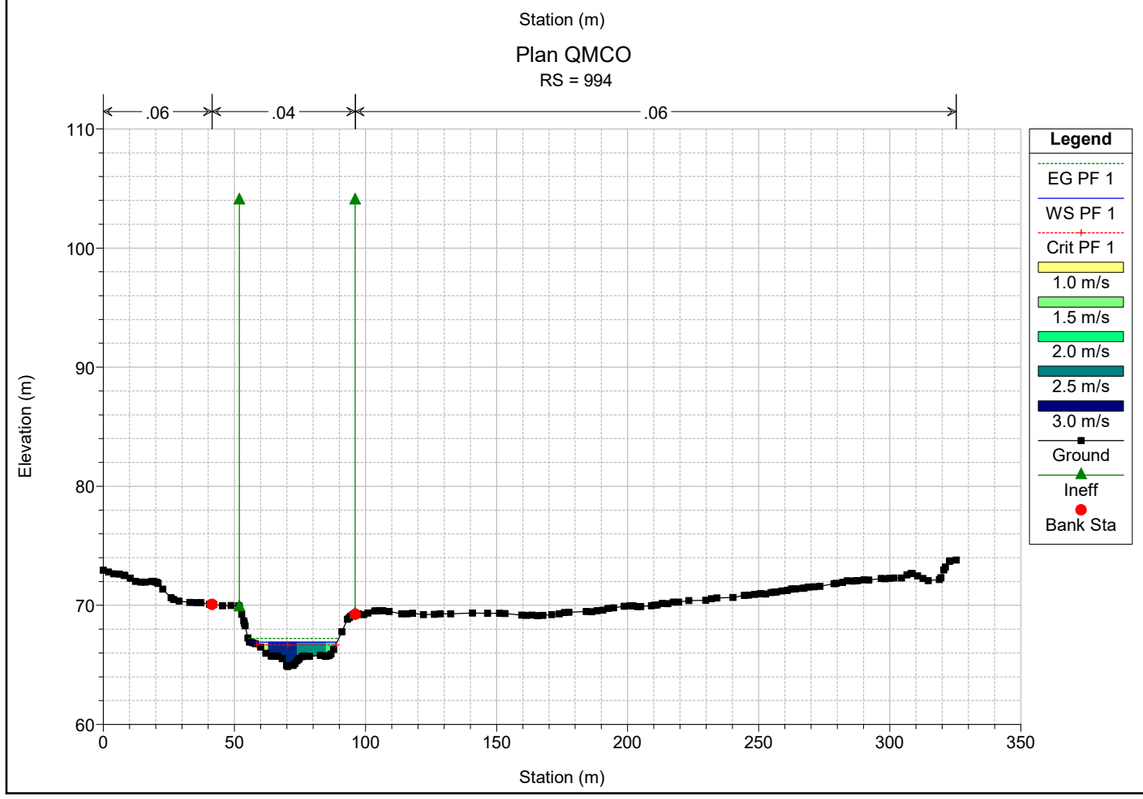

Plan QMCO
RS = 1155
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

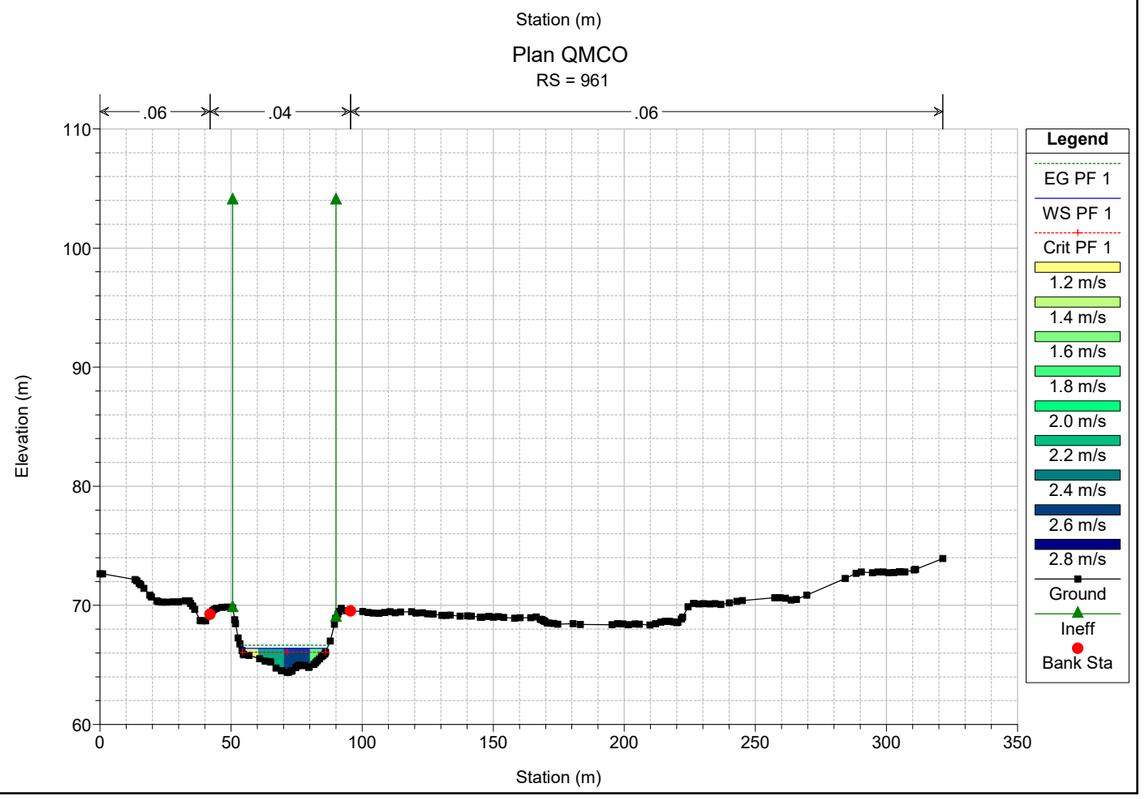

Plan QMCO
RS = 1120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

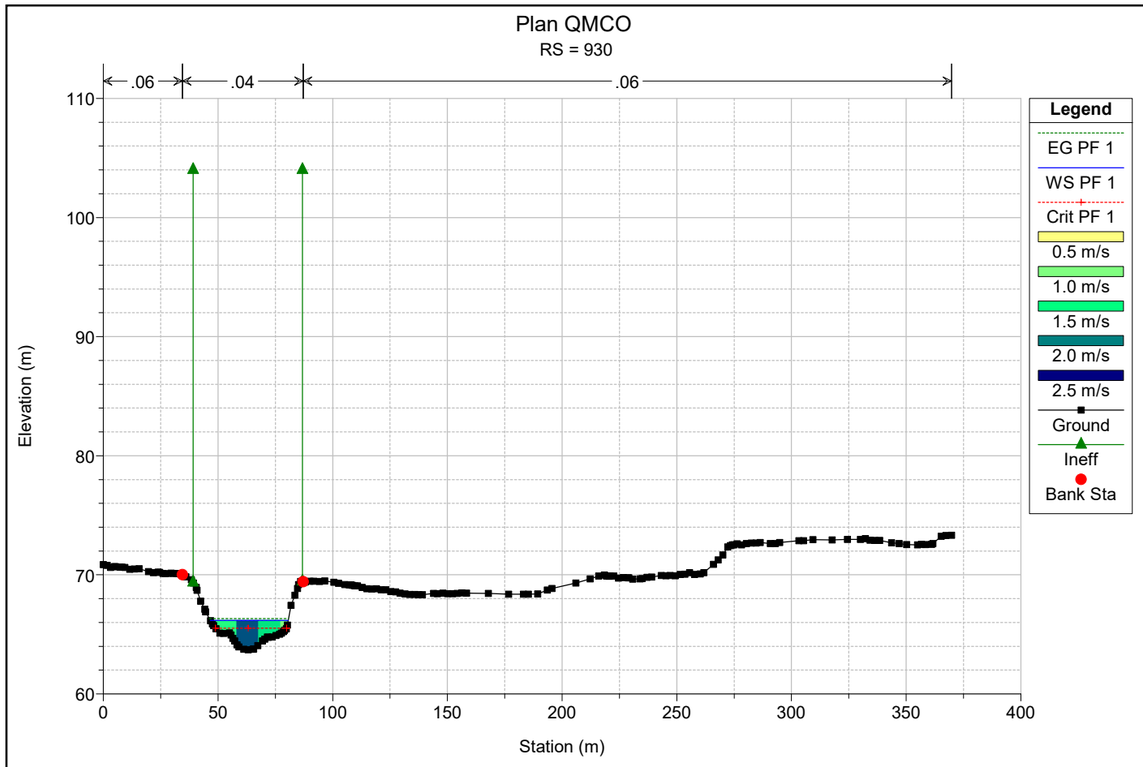

Plan QMCO
RS = 1092
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

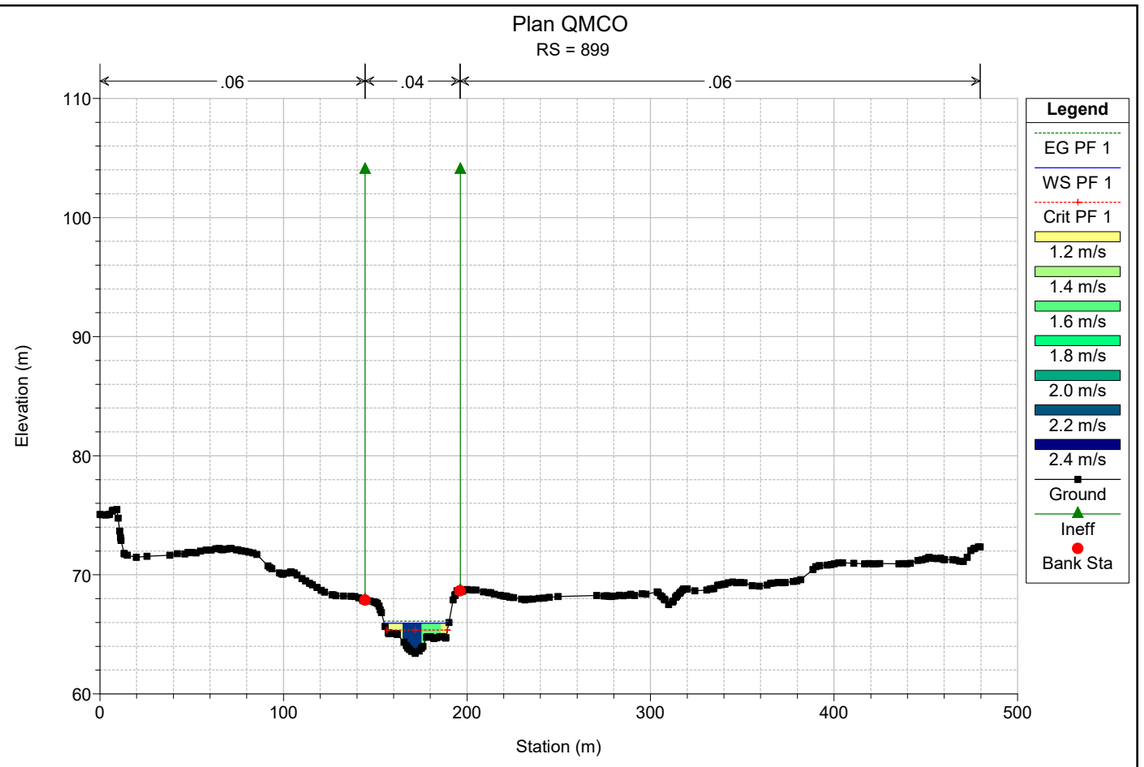

Plan QMCO
RS = 1058
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

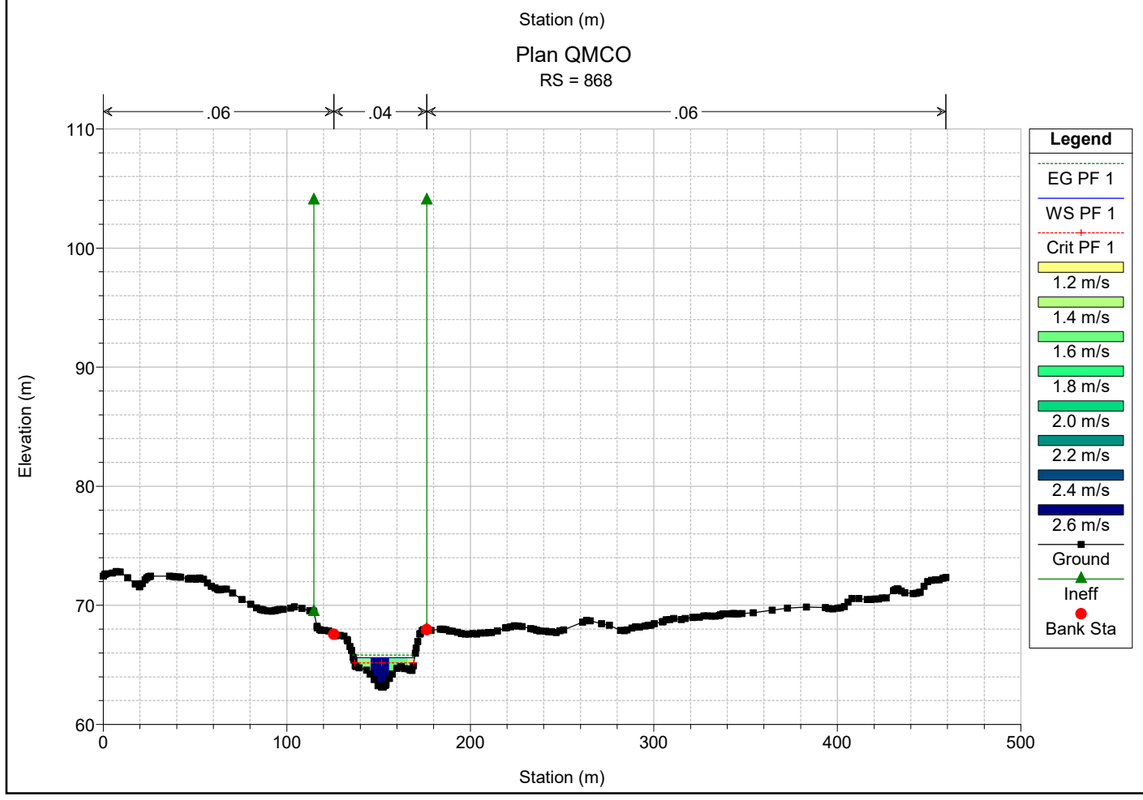

Plan QMCO
RS = 1028
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

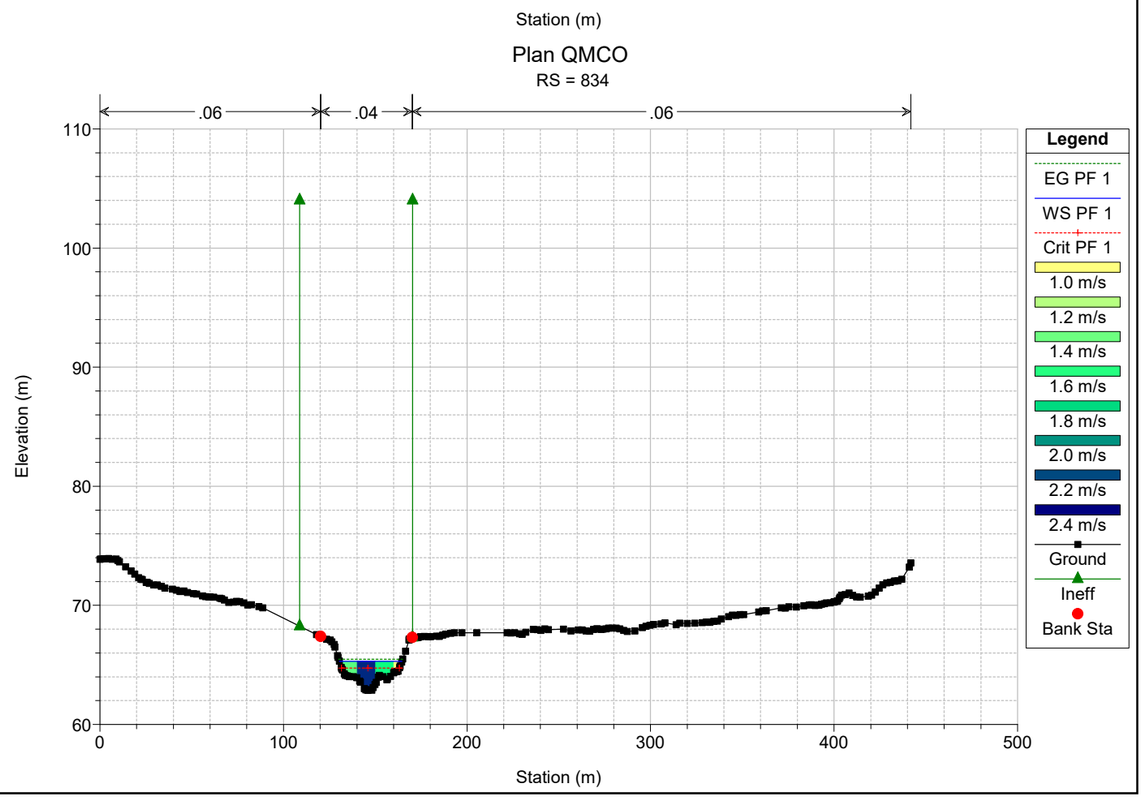

Plan QMCO
RS = 994
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

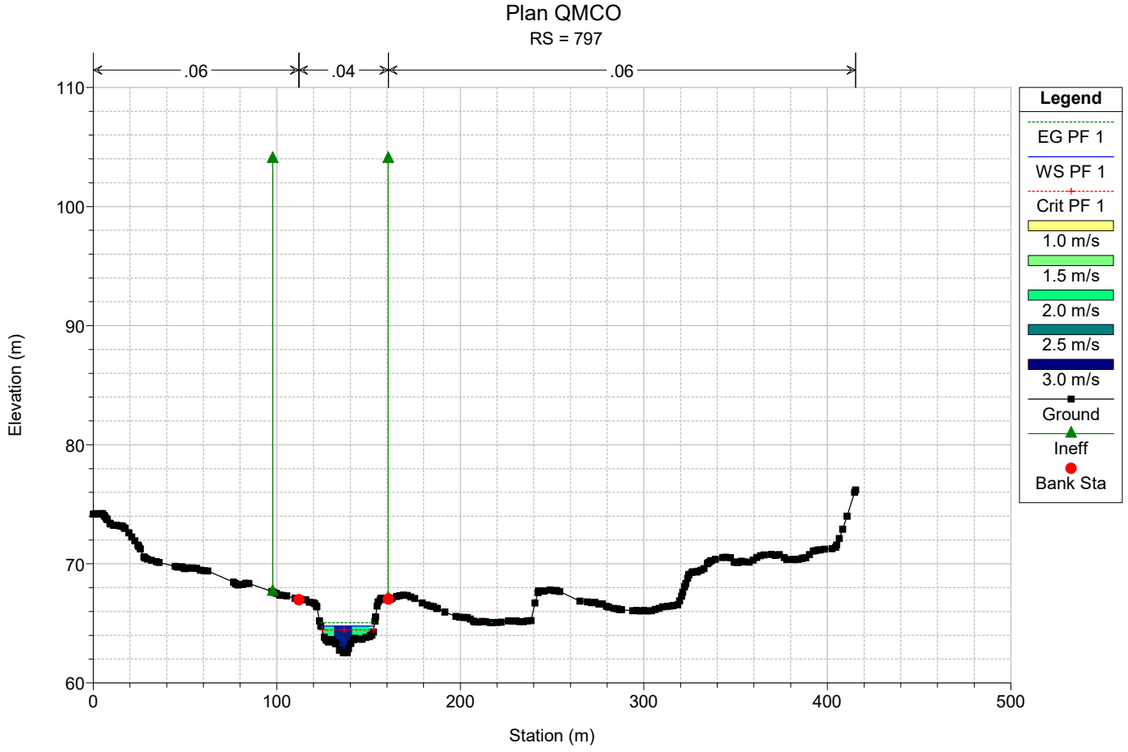

Plan QMCO
RS = 961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

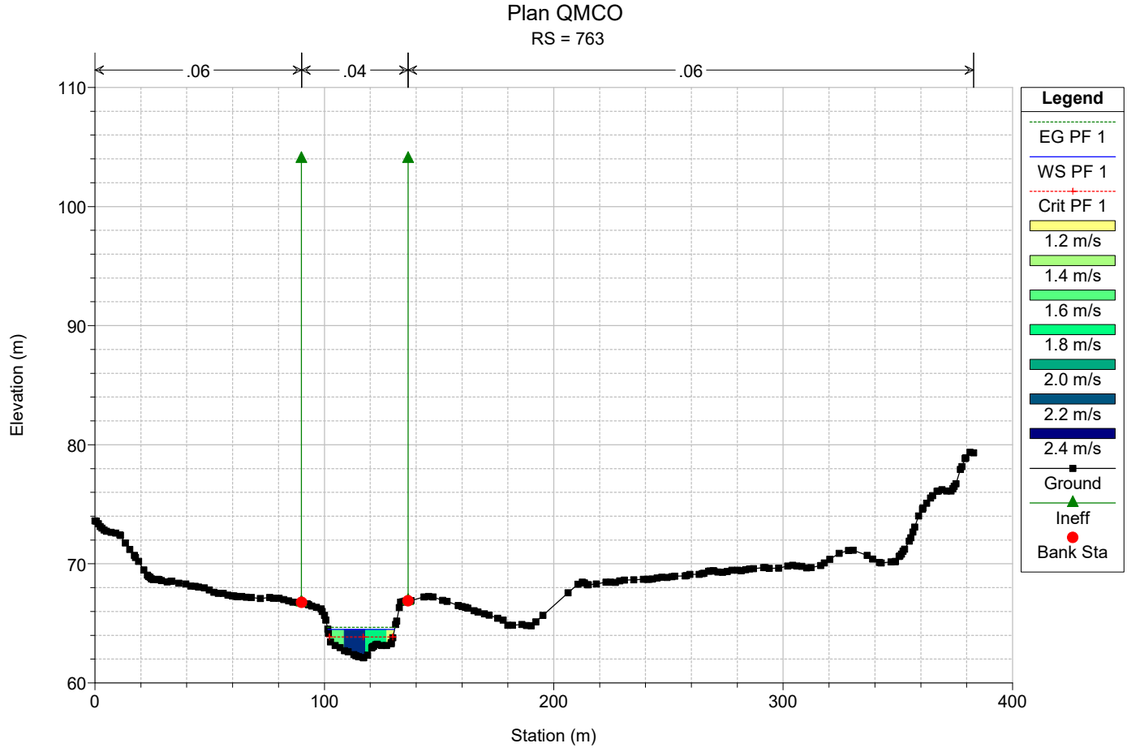

Plan QMCO
RS = 930
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

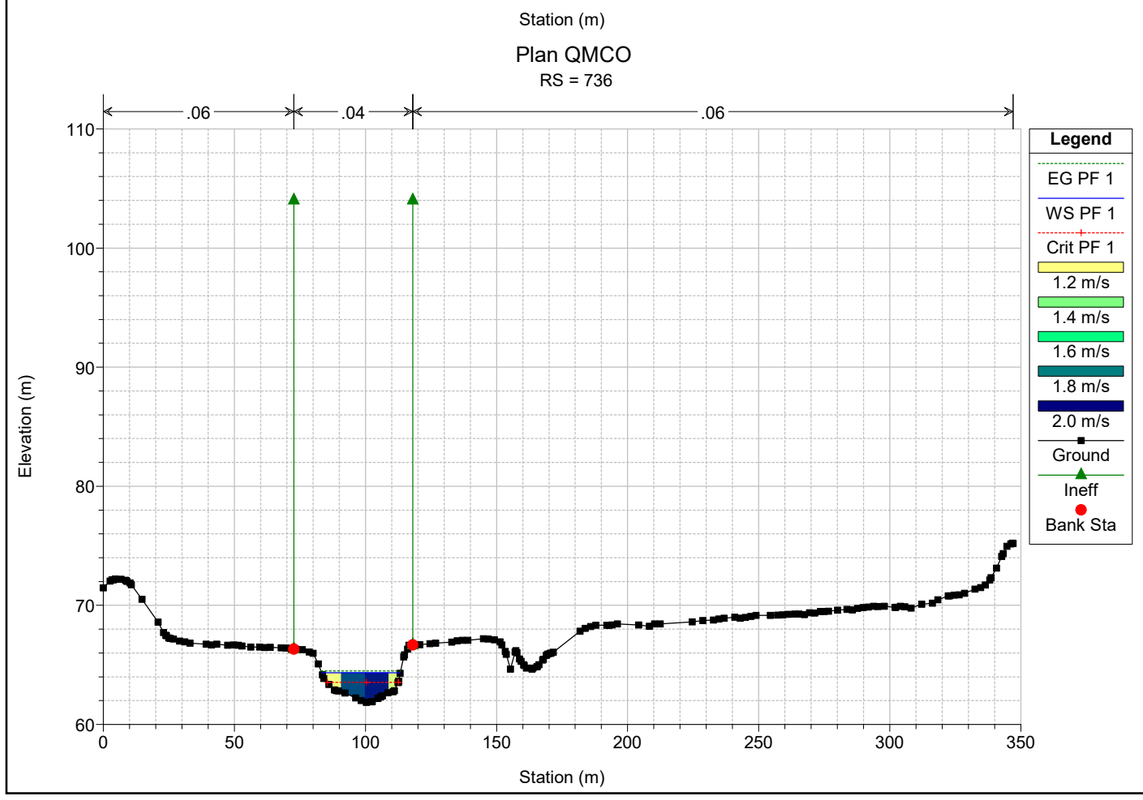

Plan QMCO
RS = 899
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

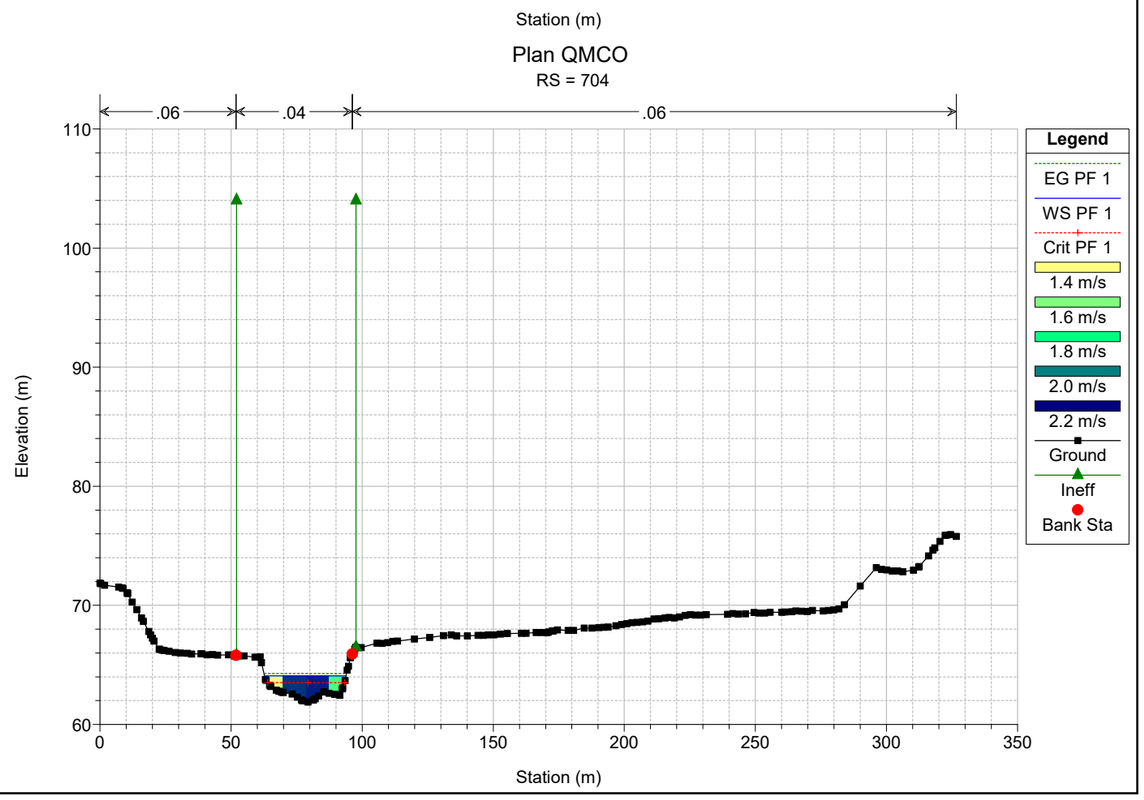

Plan QMCO
RS = 868
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Ineff
Bank Sta

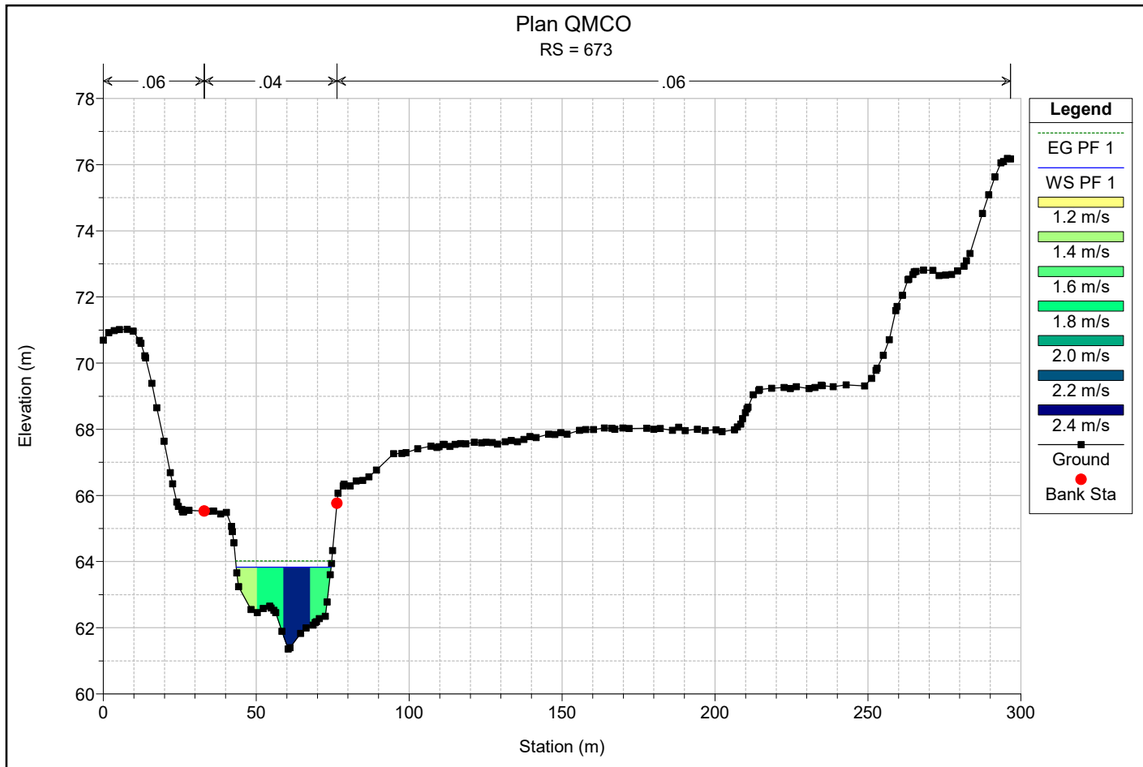

Plan QMCO
RS = 834
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

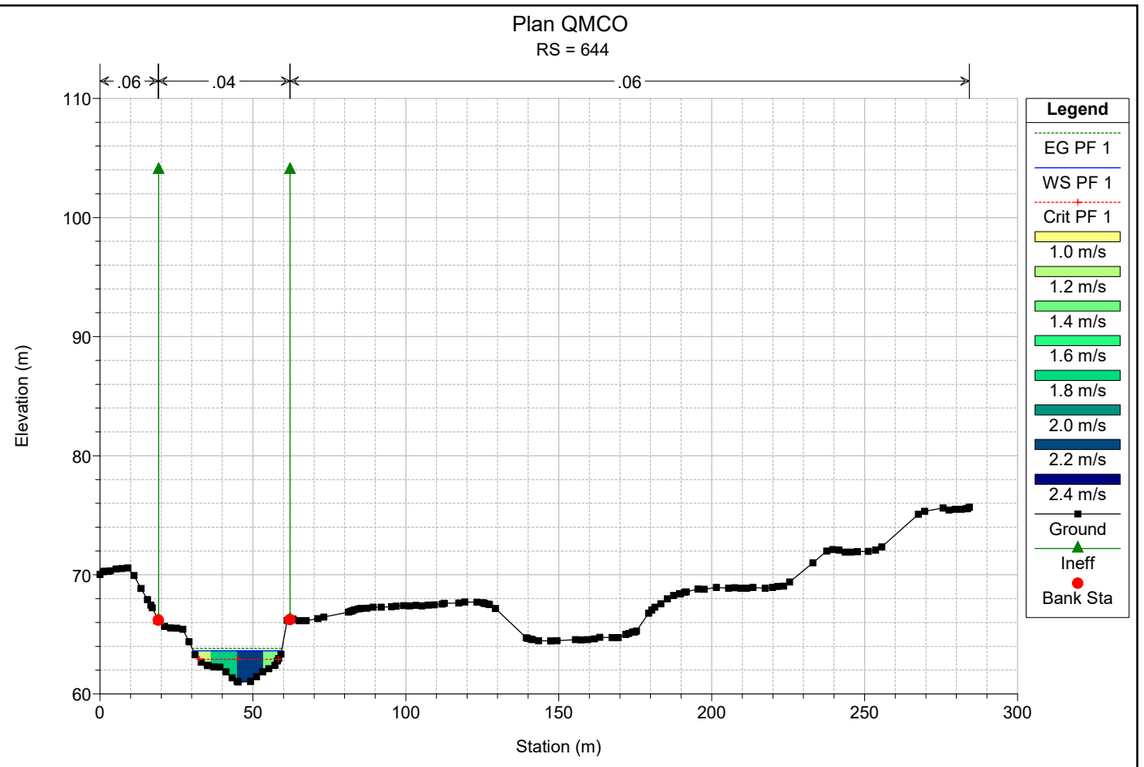

Plan QMCO
RS = 797
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

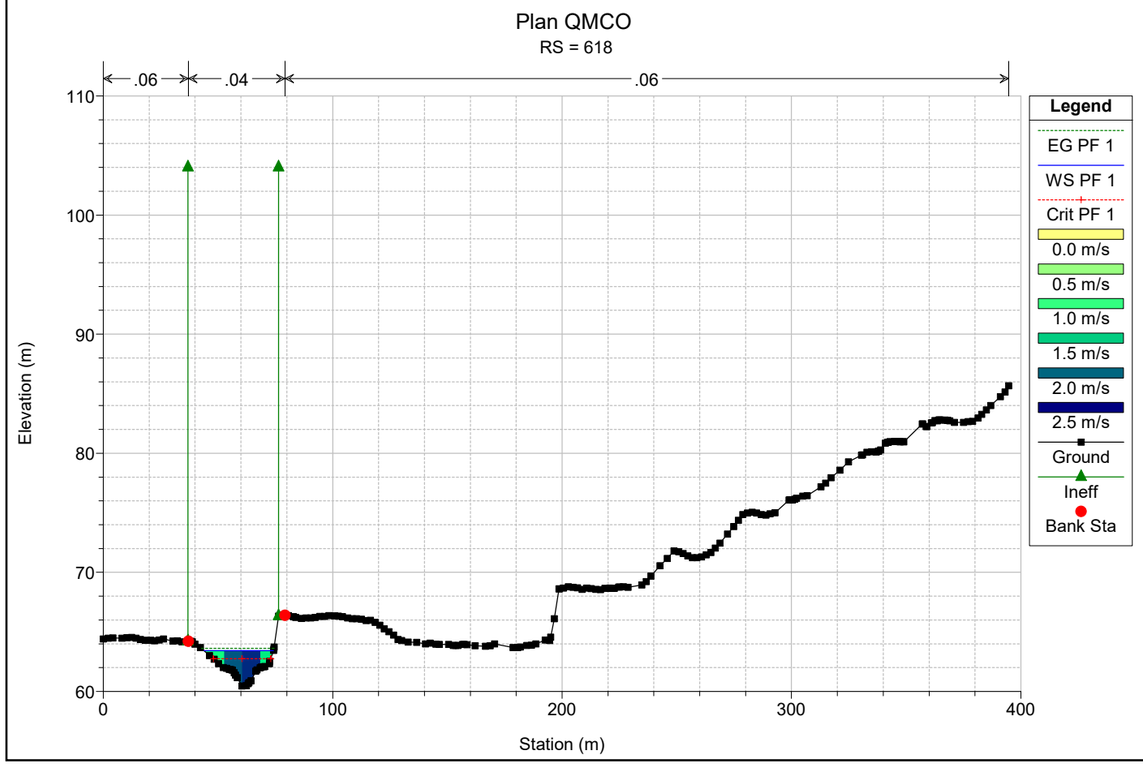

Plan QMCO
RS = 763
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

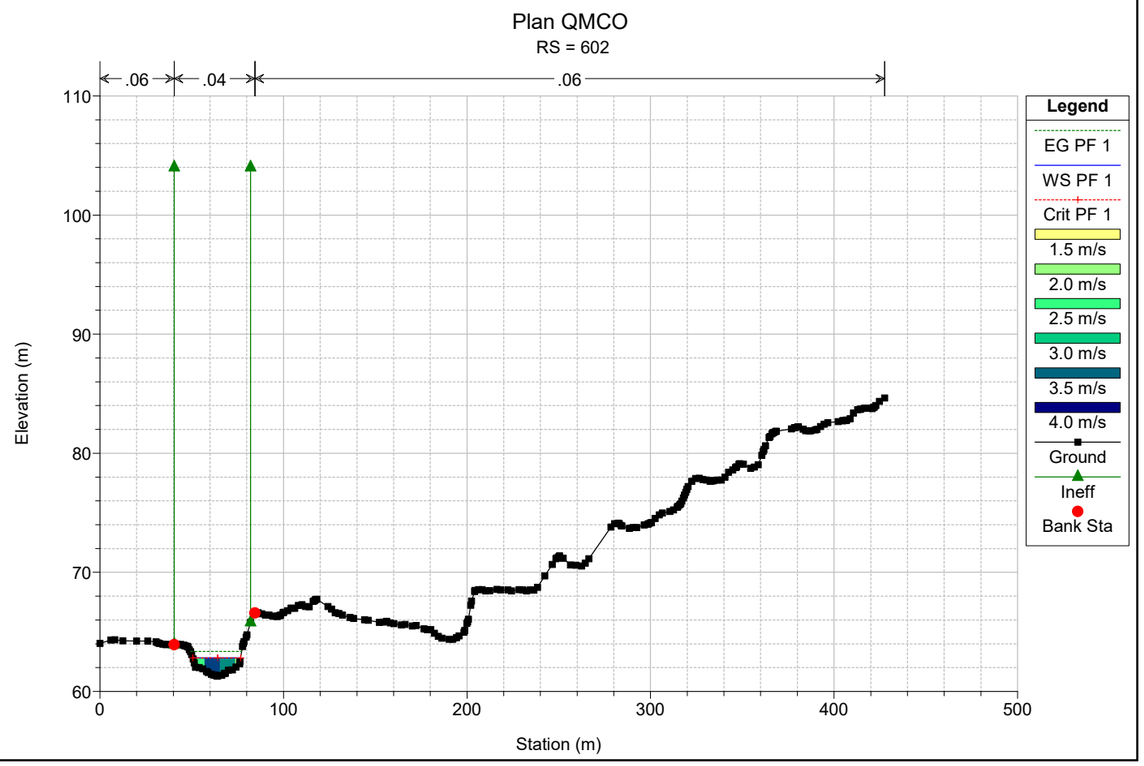

Plan QMCO
RS = 736
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

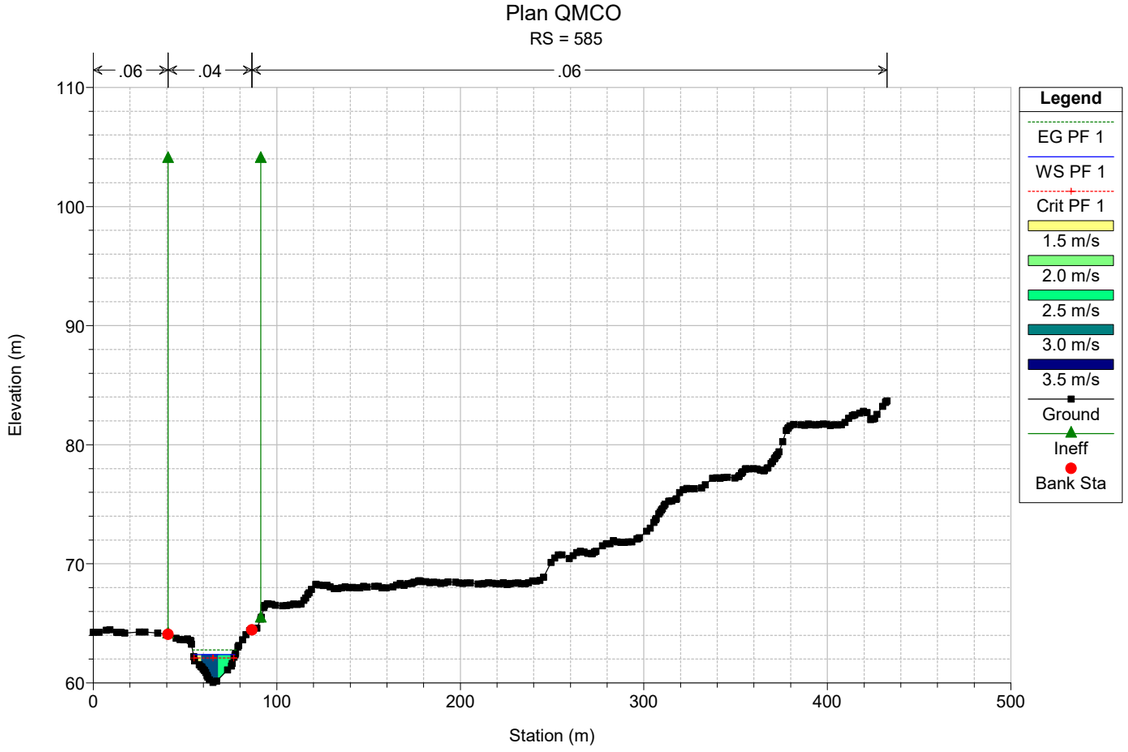

Plan QMCO
RS = 704
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

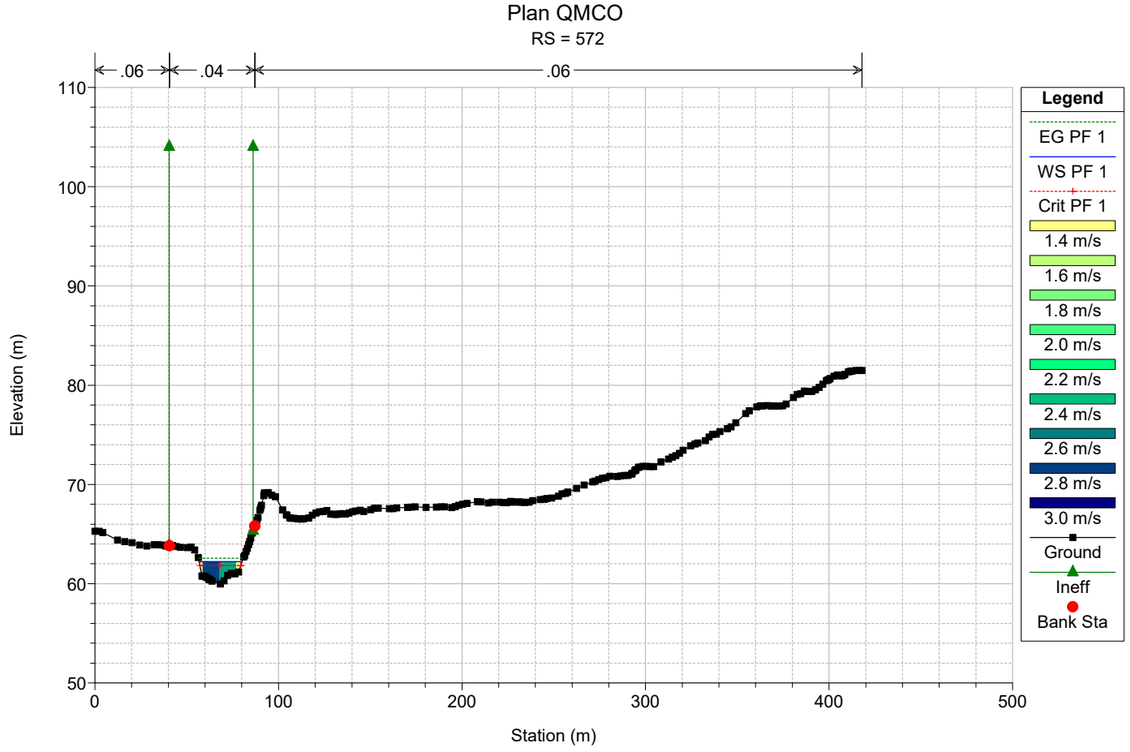

Plan QMCO
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Bank Sta

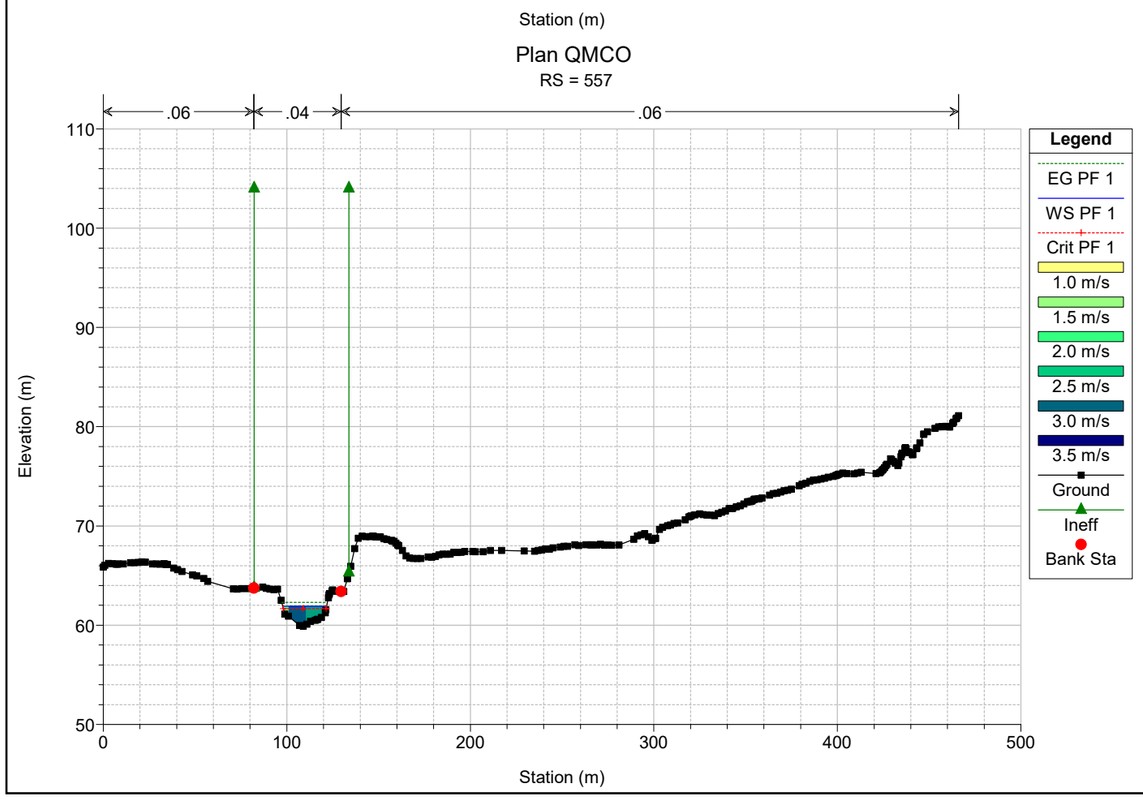

Plan QMCO
RS = 644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

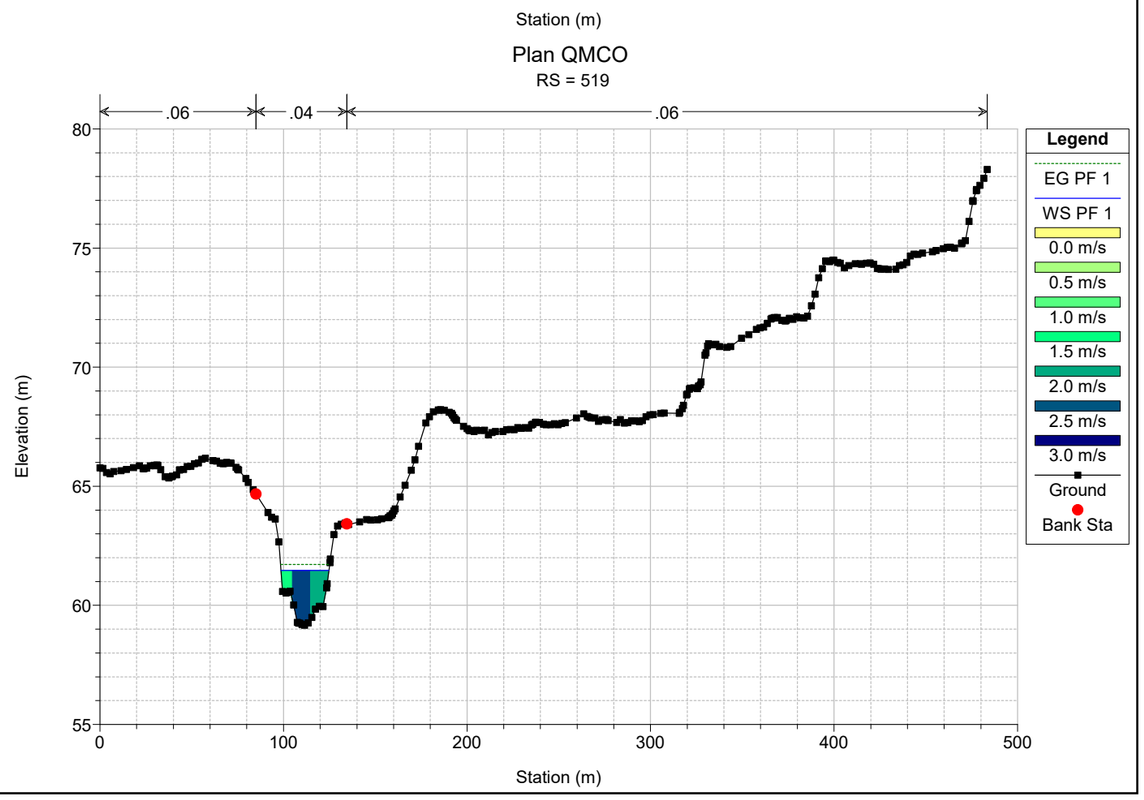

Plan QMCO
RS = 618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

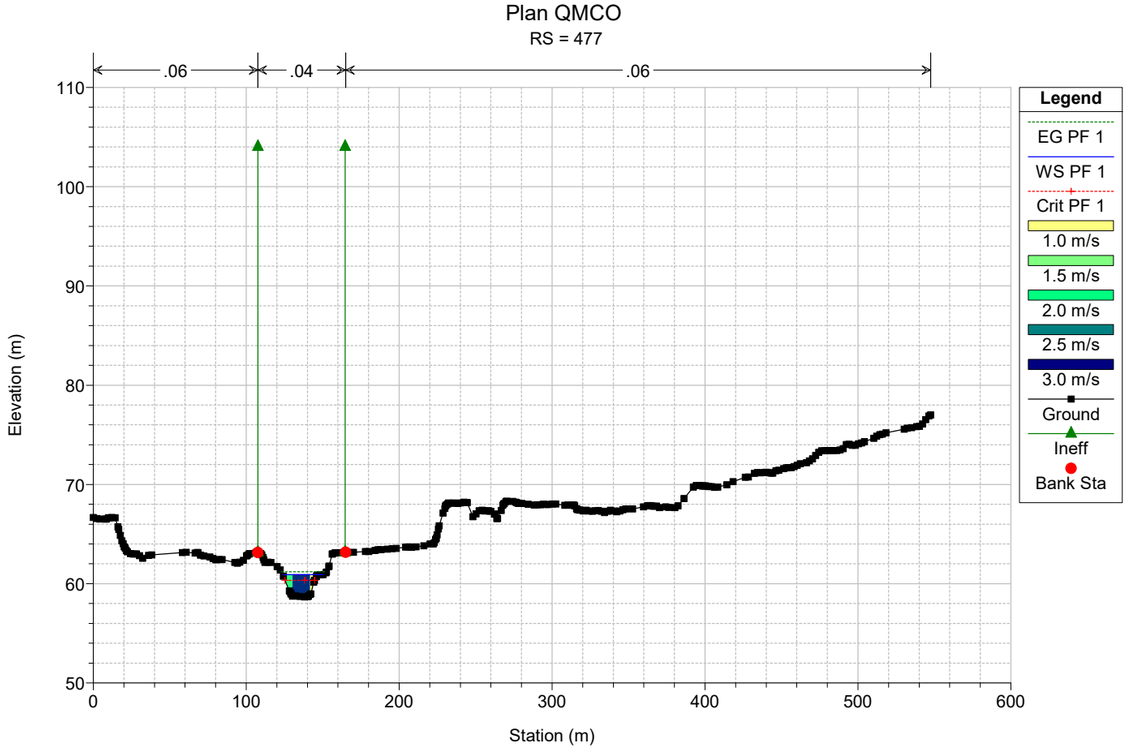

Plan QMCO
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

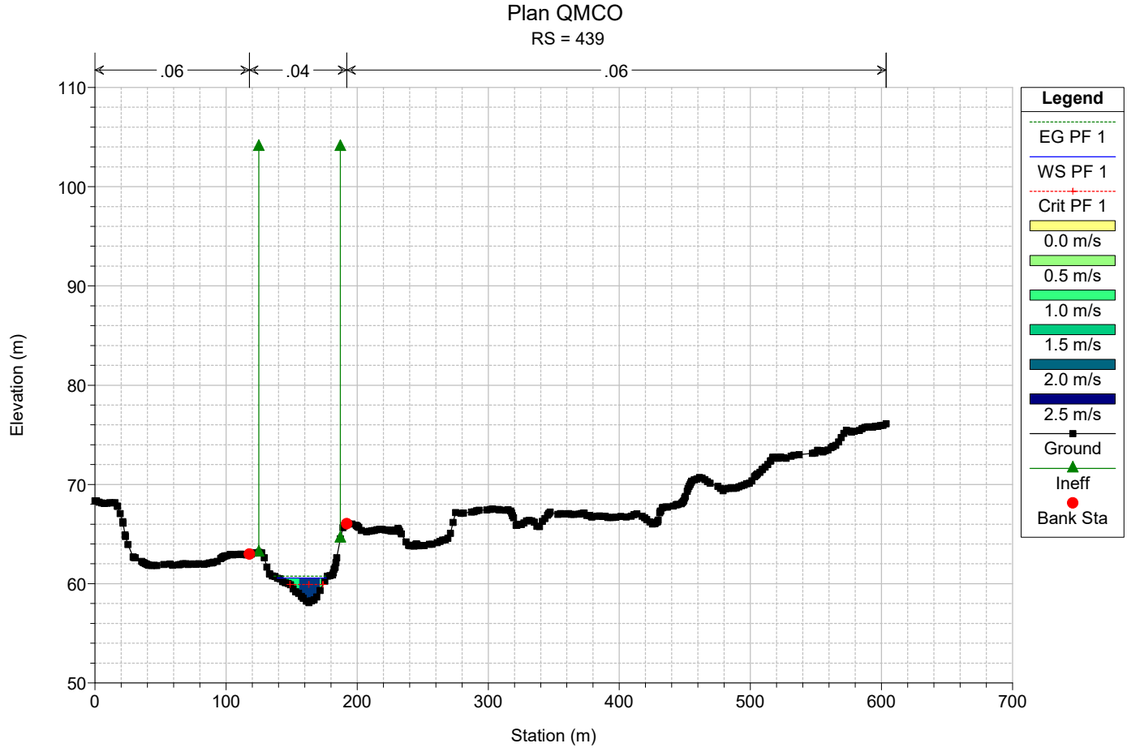

Plan QMCO
RS = 585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

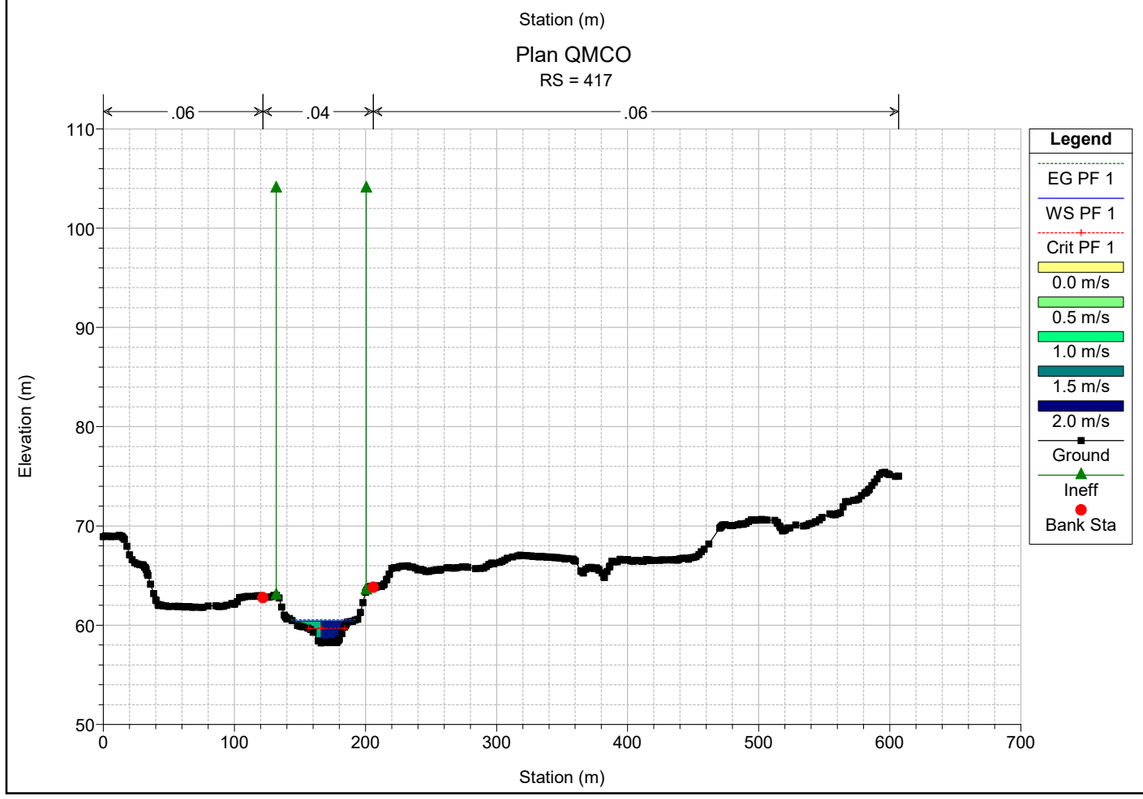

Plan QMCO
RS = 572
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
Ground
Ineff
Bank Sta

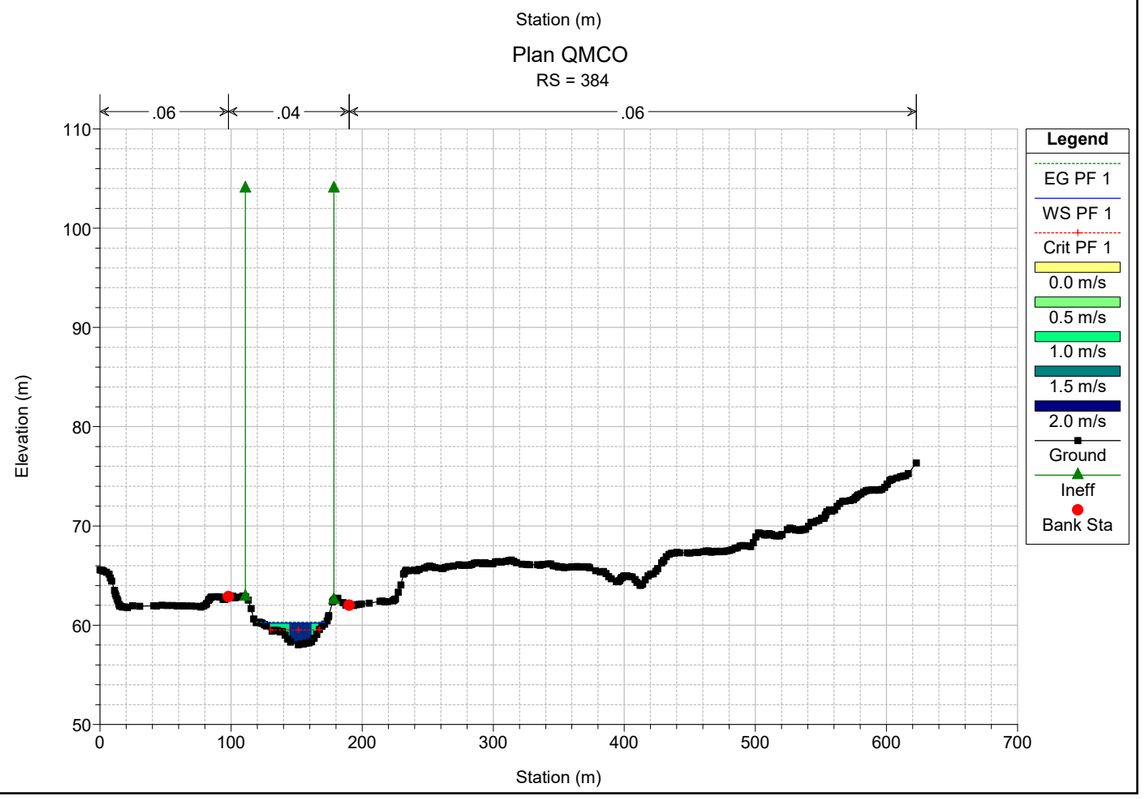

Plan QMCO
RS = 557
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

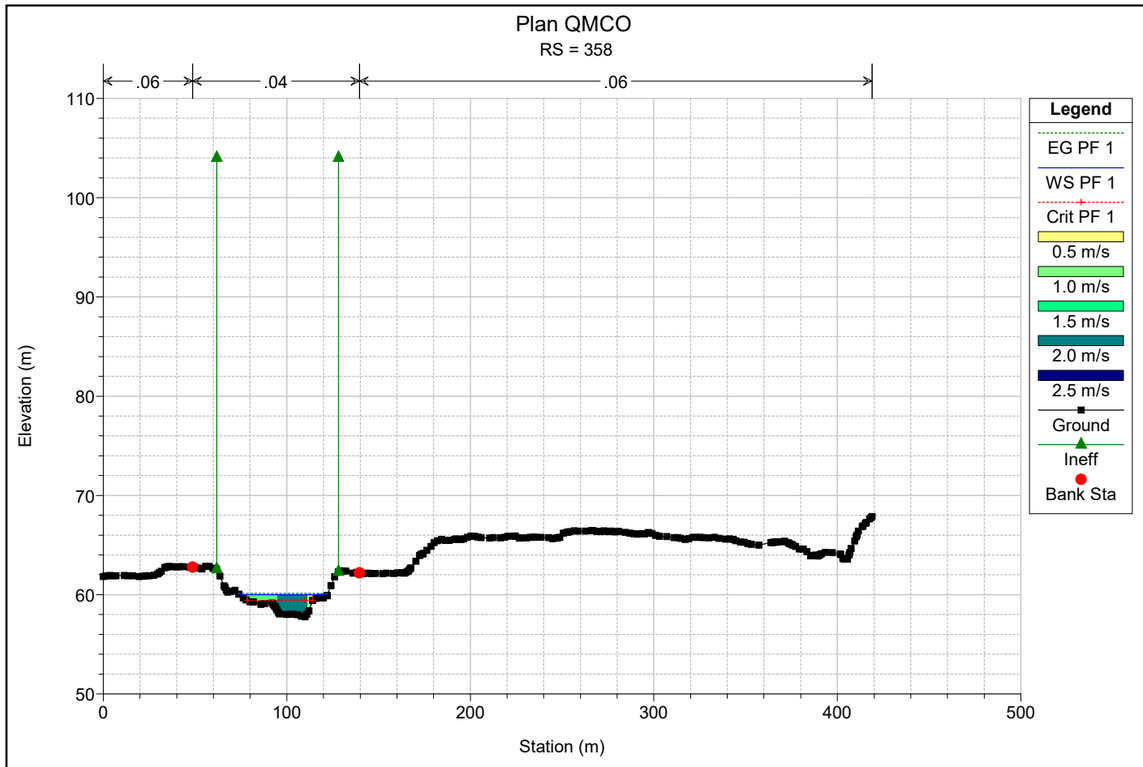

Plan QMCO
RS = 519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

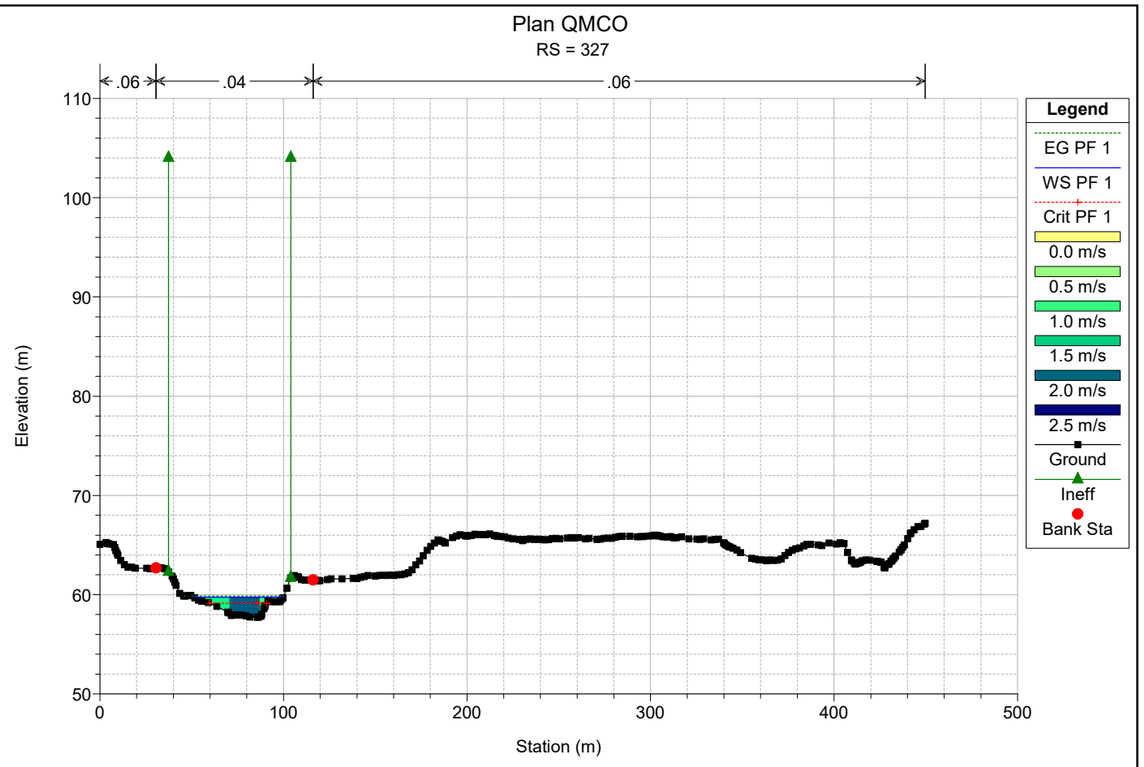

Plan QMCO
RS = 477
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

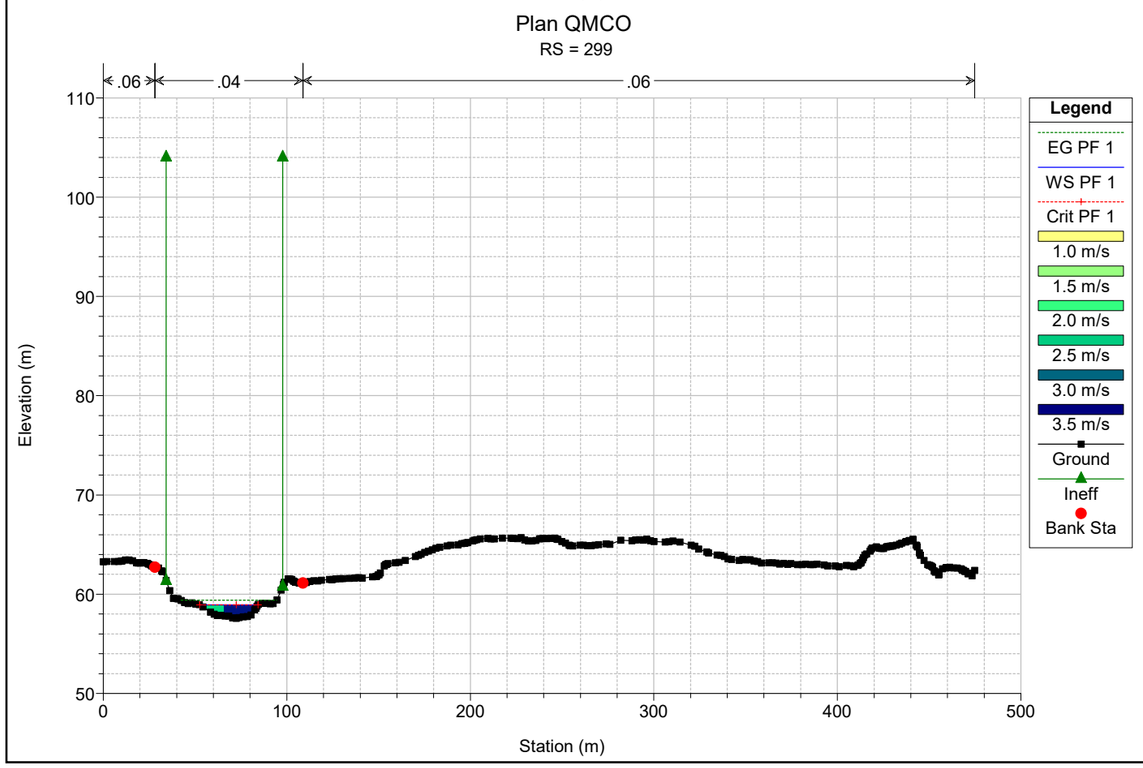

Plan QMCO
RS = 439
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

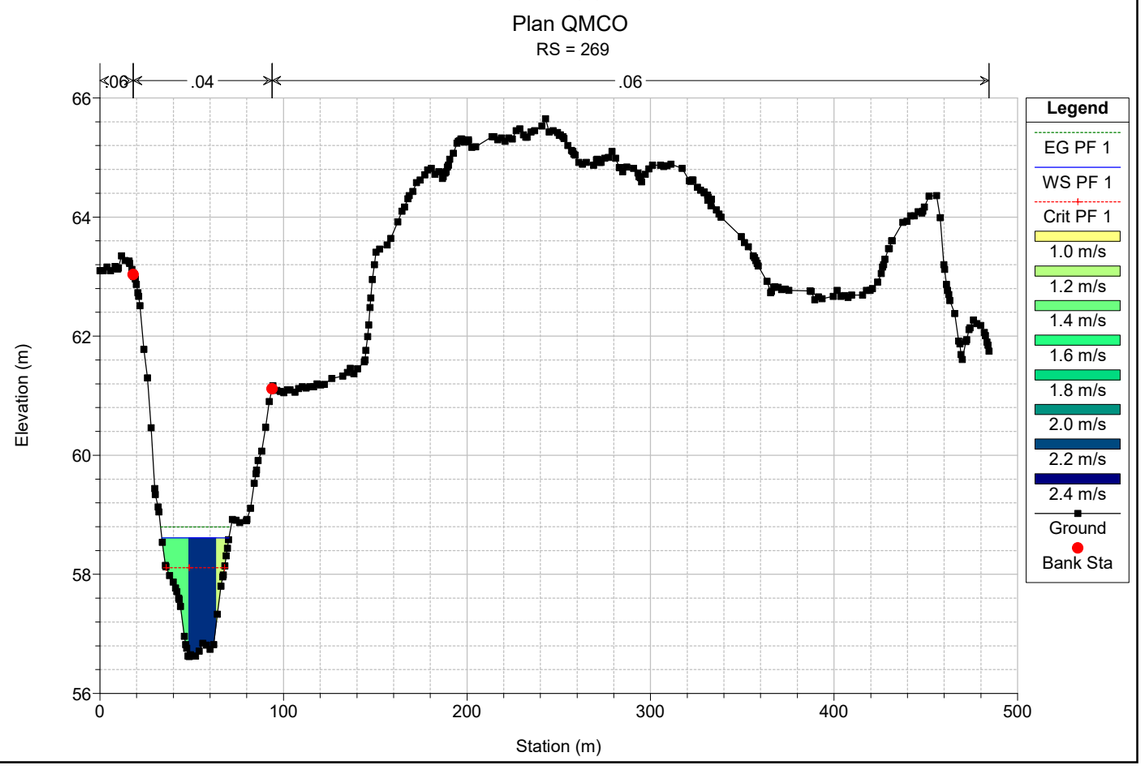

Plan QMCO
RS = 417
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

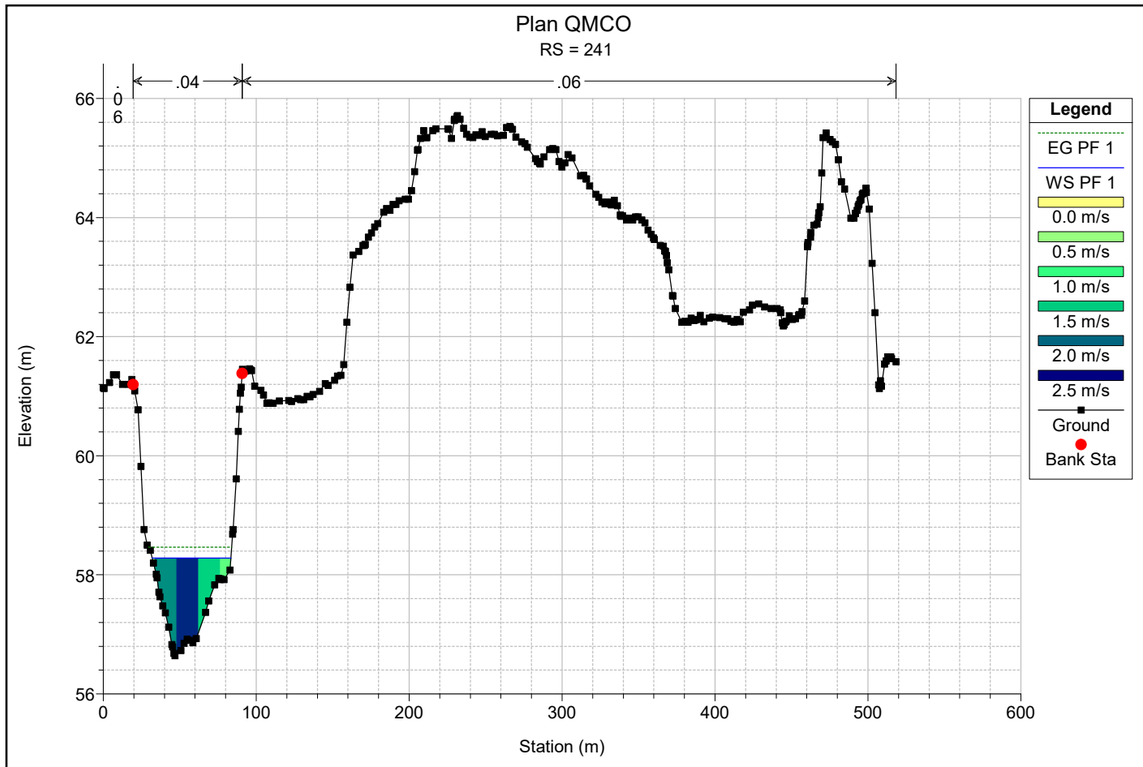

Plan QMCO
RS = 384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

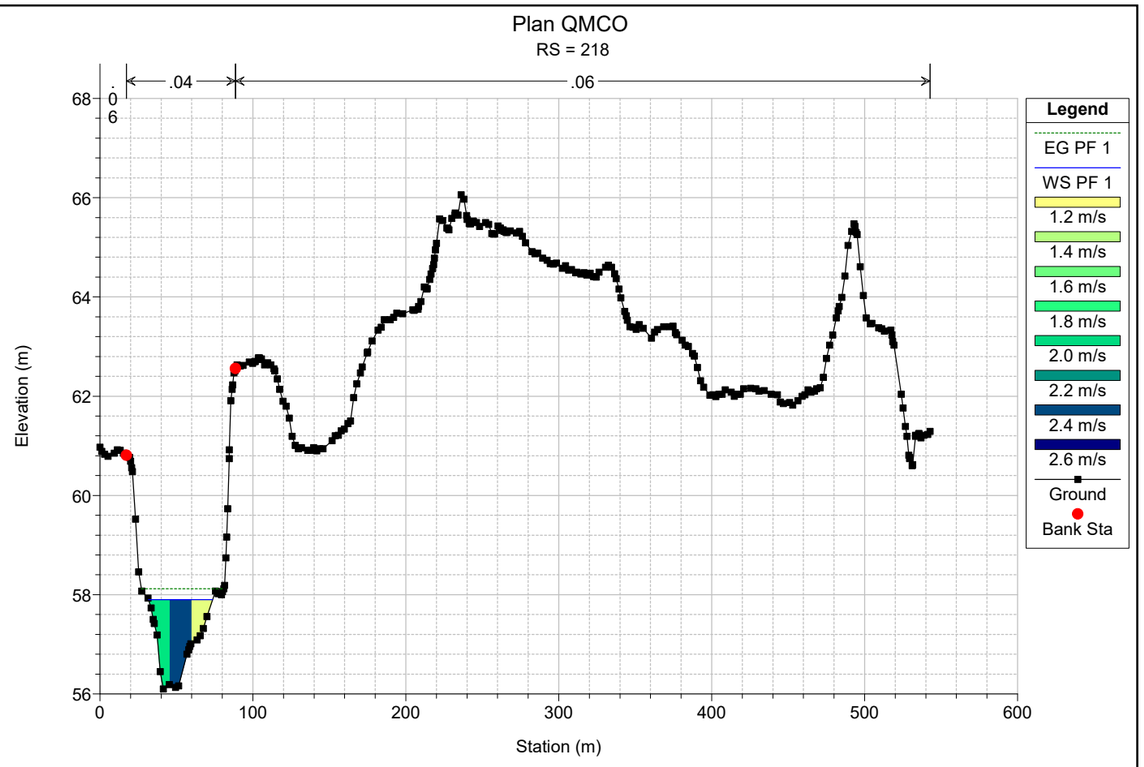

Plan QMCO
RS = 358
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta


Plan QMCO
RS = 327
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta


Plan QMCO
RS = 299
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta


Plan QMCO
RS = 269
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Bank Sta


Plan QMCO
RS = 241
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta


Plan QMCO
RS = 218
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Bank Sta

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
River 2	Reach 2	2411	PF 1	89.31	78.93	81.36	81.54	0.003592	1.90	46.95	32.19	0.50
River 2	Reach 2	2380	PF 1	89.31	78.64	81.19	81.39	0.006988	1.98	45.01	25.64	0.48
River 2	Reach 2	2352	PF 1	89.31	78.42	81.03	81.20	0.005930	1.83	48.75	27.61	0.44
River 2	Reach 2	2318	PF 1	89.31	78.40	80.71	80.95	0.009290	2.17	41.21	25.57	0.55
River 2	Reach 2	2274	PF 1	89.31	78.15	80.20	80.47	0.012421	2.29	39.00	27.69	0.62
River 2	Reach 2	2234	PF 1	89.31	77.53	79.91	80.09	0.006655	1.89	47.26	27.72	0.46
River 2	Reach 2	2201	PF 1	89.31	77.16	79.70	79.88	0.006436	1.86	48.02	28.31	0.46
River 2	Reach 2	2171	PF 1	89.31	77.10	79.48	79.67	0.007551	1.92	46.63	72.51	0.49
River 2	Reach 2	2141	PF 1	89.31	76.83	79.20	79.41	0.009362	2.06	43.29	35.31	0.54
River 2	Reach 2	2102	PF 1	89.31	76.64	78.88	79.07	0.007896	1.93	46.33	112.25	0.50
River 2	Reach 2	2063	PF 1	89.31	76.32	78.54	78.75	0.008393	2.02	44.21	123.86	0.52
River 2	Reach 2	2031	PF 1	89.31	76.04	78.28	78.49	0.008080	2.00	44.67	108.34	0.51
River 2	Reach 2	1986	PF 1	89.31	75.71	77.91	78.12	0.008117	2.03	44.02	93.78	0.51
River 2	Reach 2	1945	PF 1	89.31	75.40	77.63	77.81	0.006749	1.87	47.71	151.35	0.47
River 2	Reach 2	1912	PF 1	89.31	74.93	77.40	77.58	0.007111	1.87	47.80	136.47	0.48
River 2	Reach 2	1877	PF 1	89.31	74.49	77.17	77.34	0.006503	1.83	48.89	236.92	0.46
River 2	Reach 2	1840	PF 1	89.31	74.25	76.94	77.11	0.006001	1.79	50.01	280.27	0.44
River 2	Reach 2	1791	PF 1	89.31	74.06	76.57	76.77	0.007761	1.95	45.83	286.23	0.50
River 2	Reach 2	1752	PF 1	89.31	73.72	76.32	76.46	0.007198	1.70	52.45	244.30	0.47
River 2	Reach 2	1715	PF 1	89.31	73.72	75.98	76.15	0.009517	1.85	48.22	171.40	0.53
River 2	Reach 2	1668	PF 1	89.31	73.41	75.64	75.77	0.006718	1.60	55.89	172.27	0.45
River 2	Reach 2	1613	PF 1	89.31	73.10	75.19	75.37	0.007878	1.84	48.63	44.28	0.50
River 2	Reach 2	1574	PF 1	89.31	72.84	74.94	75.08	0.006432	1.66	53.93	102.98	0.45
River 2	Reach 2	1528	PF 1	89.31	72.06	74.46	74.69	0.010670	2.12	42.11	113.70	0.57
River 2	Reach 2	1499	PF 1	89.31	71.61	74.18	74.37	0.010608	1.96	45.57	114.21	0.56
River 2	Reach 2	1470	PF 1	89.31	71.40	73.95	74.10	0.007784	1.74	51.36	138.84	0.49
River 2	Reach 2	1436	PF 1	89.31	71.29	73.55	73.75	0.014140	1.97	45.26	160.41	0.63
River 2	Reach 2	1372	PF 1	89.31	70.89	73.05	73.16	0.006001	1.46	61.08	73.62	0.42
River 2	Reach 2	1325	PF 1	89.31	70.22	72.07	72.54	0.037706	3.02	29.54	32.19	1.01
River 2	Reach 2	1280	PF 1	89.31	68.17	70.10	70.39	0.017360	2.38	37.56	32.80	0.71
River 2	Reach 2	1250	PF 1	89.31	67.46	69.73	69.94	0.011475	2.04	43.87	35.17	0.58
River 2	Reach 2	1224	PF 1	89.31	67.22	69.45	69.65	0.010861	1.96	45.68	37.54	0.57
River 2	Reach 2	1193	PF 1	89.31	66.90	69.15	69.32	0.010032	1.87	47.75	39.48	0.54
River 2	Reach 2	1155	PF 1	89.31	66.68	68.68	68.89	0.012597	2.04	43.85	37.78	0.60
River 2	Reach 2	1120	PF 1	89.31	66.19	68.49	68.66	0.003744	1.81	49.42	37.88	0.51
River 2	Reach 2	1092	PF 1	89.31	66.10	68.30	68.49	0.009973	1.95	45.73	35.16	0.55
River 2	Reach 2	1058	PF 1	89.31	65.80	67.92	68.14	0.010361	2.10	42.44	29.98	0.56
River 2	Reach 2	1028	PF 1	89.31	65.39	67.53	67.78	0.013589	2.22	40.16	32.14	0.64
River 2	Reach 2	994	PF 1	89.31	64.87	66.91	67.22	0.019917	2.46	36.23	33.24	0.75
River 2	Reach 2	961	PF 1	89.31	64.38	66.40	66.65	0.013926	2.23	40.12	32.78	0.64
River 2	Reach 2	930	PF 1	89.31	63.71	66.17	66.33	0.006729	1.76	50.72	33.98	0.46
River 2	Reach 2	899	PF 1	89.31	63.40	65.94	66.10	0.007795	1.81	49.26	35.10	0.49
River 2	Reach 2	868	PF 1	89.31	63.13	65.60	65.81	0.010949	2.05	43.63	33.42	0.57

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 2	Reach 2	834	PF 1	89.31	62.86	65.30	65.48	0.008129	1.86	48.04	34.14	0.50
River 2	Reach 2	797	PF 1	89.31	62.52	64.78	65.07	0.015054	2.38	37.60	29.19	0.67
River 2	Reach 2	763	PF 1	89.31	62.11	64.49	64.68	0.007624	1.93	46.17	29.08	0.49
River 2	Reach 2	736	PF 1	89.31	61.86	64.33	64.49	0.005553	1.74	51.24	29.95	0.43
River 2	Reach 2	704	PF 1	89.31	61.88	64.08	64.27	0.008455	1.95	45.83	31.08	0.51
River 2	Reach 2	673	PF 1	89.31	61.36	63.83	64.02	0.007882	1.91	46.85	31.05	0.50
River 2	Reach 2	644	PF 1	89.31	61.00	63.63	63.81	0.006627	1.86	47.89	28.91	0.46
River 2	Reach 2	618	PF 1	89.31	60.46	63.42	63.61	0.008013	1.94	46.12	30.28	0.50
River 2	Reach 2	602	PF 1	89.31	61.28	62.81	63.35	0.035596	3.23	27.63	26.01	1.00
River 2	Reach 2	585	PF 1	89.31	60.04	62.38	62.77	0.017892	2.76	32.31	22.70	0.74
River 2	Reach 2	572	PF 1	89.31	59.98	62.23	62.55	0.013801	2.51	35.57	23.50	0.65
River 2	Reach 2	557	PF 1	89.31	59.88	61.90	62.29	0.019455	2.78	32.12	23.88	0.77
River 2	Reach 2	519	PF 1	89.31	59.17	61.46	61.72	0.010638	2.23	40.03	26.09	0.58
River 2	Reach 2	477	PF 1	89.31	58.67	60.91	61.21	0.013724	2.40	37.24	26.53	0.65
River 2	Reach 2	439	PF 1	89.31	58.09	60.57	60.75	0.009301	1.87	47.68	37.46	0.53
River 2	Reach 2	417	PF 1	89.31	58.22	60.41	60.55	0.007657	1.63	54.82	46.01	0.48
River 2	Reach 2	384	PF 1	89.31	58.03	60.20	60.32	0.006233	1.50	59.49	48.48	0.43
River 2	Reach 2	358	PF 1	89.31	57.77	60.00	60.13	0.008096	1.63	54.90	47.97	0.49
River 2	Reach 2	327	PF 1	89.31	57.72	59.73	59.87	0.008766	1.66	53.80	48.55	0.50
River 2	Reach 2	299	PF 1	89.31	57.56	58.93	59.40	0.036652	3.02	29.57	31.89	1.00
River 2	Reach 2	269	PF 1	89.31	56.62	58.61	58.80	0.009677	1.91	46.67	36.63	0.54
River 2	Reach 2	241	PF 1	89.31	56.64	58.28	58.46	0.014731	1.90	47.03	51.52	0.63
River 2	Reach 2	218	PF 1	89.31	56.10	57.90	58.12	0.014745	2.06	43.38	41.98	0.65
River 1	Reach 1	6642	PF 1	28.90	92.94	94.17	94.37	0.018083	2.01	14.37	30.80	0.94
River 1	Reach 1	6604	PF 1	28.90	92.82	93.82	93.92	0.007301	1.38	20.98	40.33	0.61
River 1	Reach 1	6570	PF 1	28.90	92.55	93.56	93.64	0.009199	1.32	21.94	53.64	0.66
River 1	Reach 1	6540	PF 1	28.90	92.34	93.38	93.44	0.004804	1.06	27.59	58.43	0.49
River 1	Reach 1	6505	PF 1	28.90	91.84	93.20	93.27	0.005085	1.17	24.80	46.45	0.51
River 1	Reach 1	6476	PF 1	28.90	91.73	93.12	93.17	0.002055	1.01	28.64	33.36	0.35
River 1	Reach 1	6443	PF 1	28.90	91.60	93.02	93.08	0.003528	1.10	26.38	41.46	0.44
River 1	Reach 1	6394	PF 1	28.90	91.34	92.66	92.81	0.009641	1.70	16.97	29.17	0.71
River 1	Reach 1	6364	PF 1	28.90	91.04	92.49	92.58	0.005607	1.32	21.83	36.49	0.55
River 1	Reach 1	6330	PF 1	28.90	90.87	91.98	92.23	0.019948	2.22	13.02	25.83	1.00
River 1	Reach 1	6292	PF 1	28.90	90.32	91.68	91.81	0.005666	1.63	17.76	21.82	0.58
River 1	Reach 1	6243	PF 1	28.90	90.11	91.40	91.51	0.006534	1.44	20.06	33.14	0.59
River 1	Reach 1	6193	PF 1	28.90	89.71	91.19	91.27	0.003458	1.22	23.75	31.32	0.45
River 1	Reach 1	6142	PF 1	28.90	89.31	90.83	91.01	0.007274	1.90	15.22	17.75	0.65
River 1	Reach 1	6109	PF 1	28.90	89.27	90.64	90.78	0.005732	1.67	17.35	20.64	0.58
River 1	Reach 1	6084	PF 1	28.90	89.22	90.57	90.65	0.003990	1.24	23.37	33.49	0.47
River 1	Reach 1	6057	PF 1	28.90	88.97	90.49	90.56	0.002490	1.19	24.36	25.91	0.39
River 1	Reach 1	6009	PF 1	28.90	88.87	89.97	90.28	0.018530	2.47	11.71	18.71	1.00
River 1	Reach 1	5977	PF 1	28.90	88.49	89.64	89.77	0.010344	1.61	18.00	35.63	0.72
River 1	Reach 1	5940	PF 1	28.90	88.25	89.34	89.45	0.006991	1.48	19.50	32.56	0.61
River 1	Reach 1	5904	PF 1	28.90	87.88	89.13	89.22	0.005491	1.38	20.91	32.27	0.55
River 1	Reach 1	5869	PF 1	28.90	87.88	89.02	89.08	0.002864	1.01	28.50	43.09	0.40
River 1	Reach 1	5834	PF 1	28.90	87.49	88.58	88.85	0.020026	2.28	12.66	24.26	1.01
River 1	Reach 1	5800	PF 1	28.90	87.21	88.53	88.58	0.002668	0.99	29.20	43.40	0.39
River 1	Reach 1	5763	PF 1	28.90	86.99	88.34	88.43	0.006303	1.36	21.32	37.61	0.57

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	5724	PF 1	28.90	86.83	88.09	88.19	0.006533	1.37	21.06	37.34	0.58
River 1	Reach 1	5692	PF 1	28.90	86.49	87.90	87.99	0.005670	1.35	21.45	35.22	0.55
River 1	Reach 1	5654	PF 1	28.90	86.45	87.53	87.69	0.011557	1.76	16.41	30.78	0.77
River 1	Reach 1	5618	PF 1	28.90	86.05	87.34	87.43	0.004172	1.35	21.34	27.40	0.49
River 1	Reach 1	5581	PF 1	28.90	85.82	87.13	87.24	0.006122	1.48	19.53	29.31	0.58
River 1	Reach 1	5546	PF 1	28.90	85.63	86.97	87.05	0.004557	1.27	22.73	34.40	0.50
River 1	Reach 1	5519	PF 1	28.90	85.36	86.86	86.93	0.004037	1.20	24.02	36.17	0.47
River 1	Reach 1	5484	PF 1	28.90	85.28	86.57	86.71	0.011199	1.62	17.80	36.54	0.74
River 1	Reach 1	5449	PF 1	28.90	85.05	85.97	86.17	0.021483	2.01	14.34	34.85	1.00
River 1	Reach 1	5415	PF 1	28.90	83.54	84.30	84.94	0.067035	3.54	8.17	19.98	1.77
River 1	Reach 1	5384	PF 1	28.90	83.14	84.43	84.58	0.010224	1.67	17.36	31.77	0.72
River 1	Reach 1	5351	PF 1	28.90	82.86	84.19	84.30	0.006613	1.44	20.00	32.74	0.59
River 1	Reach 1	5317	PF 1	28.90	82.45	83.89	84.03	0.008975	1.65	17.51	29.52	0.68
River 1	Reach 1	5289	PF 1	28.90	82.35	83.73	83.84	0.004833	1.48	19.49	24.48	0.53
River 1	Reach 1	5261	PF 1	28.90	82.15	83.58	83.70	0.004767	1.57	18.39	20.85	0.53
River 1	Reach 1	5231	PF 1	28.90	82.12	83.27	83.50	0.009232	2.13	13.55	15.77	0.73
River 1	Reach 1	5201	PF 1	28.90	81.72	83.03	83.20	0.009370	1.80	16.07	24.81	0.71
River 1	Reach 1	5172	PF 1	28.90	81.72	82.74	82.90	0.011282	1.74	16.61	31.12	0.76
River 1	Reach 1	5136	PF 1	28.90	81.19	82.41	82.57	0.007138	1.76	16.41	21.12	0.64
River 1	Reach 1	5071	PF 1	28.90	80.73	81.92	82.08	0.008091	1.75	16.54	23.96	0.67
River 1	Reach 1	5025	PF 1	28.90	80.36	81.56	81.72	0.007639	1.74	16.58	23.06	0.66
River 1	Reach 1	4994	PF 1	28.90	80.03	81.38	81.51	0.005261	1.58	18.26	22.15	0.56
River 1	Reach 1	4962	PF 1	28.90	79.55	81.34	81.39	0.001862	1.02	28.23	30.29	0.34
River 1	Reach 1	4940	PF 1	28.90	79.84	81.00	81.28	0.019527	2.33	12.40	22.61	1.00
River 1	Reach 1	4923	PF 1	28.90	79.61	80.77	80.97	0.012868	1.98	14.61	24.91	0.82
River 1	Reach 1	4902	PF 1	28.90	79.34	80.43	80.65	0.017750	2.07	13.96	28.28	0.94
River 1	Reach 1	4881	PF 1	28.90	79.33	80.37	80.46	0.003809	1.31	22.02	27.75	0.47
River 1	Reach 1	4864	PF 1	28.90	78.99	80.29	80.39	0.004395	1.45	19.92	23.91	0.51
River 1	Reach 1	4827	PF 1	28.90	78.72	80.10	80.18	0.007091	1.29	22.37	46.30	0.59
River 1	Reach 1	4784	PF 1	28.90	78.36	79.93	79.98	0.003152	1.02	28.28	44.95	0.41
River 1	Reach 1	4748	PF 1	28.90	78.43	79.53	79.73	0.021746	1.95	14.82	38.20	1.00
River 1	Reach 1	4719	PF 1	28.90	77.68	79.25	79.31	0.003311	1.11	26.03	38.10	0.43
River 1	Reach 1	4691	PF 1	28.90	77.73	79.13	79.21	0.004078	1.20	24.13	36.96	0.47
River 1	Reach 1	4657	PF 1	28.90	77.79	78.85	78.98	0.012110	1.61	17.90	39.61	0.77
River 1	Reach 1	4621	PF 1	28.90	77.47	78.57	78.65	0.006528	1.26	22.95	46.28	0.57
River 1	Reach 1	4585	PF 1	28.90	77.22	78.18	78.33	0.013123	1.68	17.17	37.93	0.80
River 1	Reach 1	4547	PF 1	28.90	76.95	77.96	78.03	0.004602	1.14	25.36	45.86	0.49
River 1	Reach 1	4511	PF 1	28.90	76.71	77.80	77.86	0.004620	1.12	25.72	47.39	0.49
River 1	Reach 1	4478	PF 1	28.90	76.68	77.58	77.67	0.007275	1.34	21.64	49.20	0.60
River 1	Reach 1	4446	PF 1	28.90	76.48	77.38	77.44	0.006536	1.12	25.74	61.85	0.56
River 1	Reach 1	4413	PF 1	28.90	76.22	77.07	77.17	0.009865	1.41	20.56	48.00	0.69
River 1	Reach 1	4388	PF 1	28.90	75.87	76.89	76.95	0.007050	1.13	25.56	64.29	0.57
River 1	Reach 1	4356	PF 1	28.90	75.75	76.65	76.73	0.007113	1.20	24.18	56.13	0.58
River 1	Reach 1	4324	PF 1	28.90	75.55	76.27	76.39	0.015922	1.54	18.78	54.82	0.84
River 1	Reach 1	4292	PF 1	28.90	75.14	76.02	76.08	0.006052	1.08	26.73	67.92	0.53
River 1	Reach 1	4263	PF 1	28.90	74.92	75.88	75.93	0.003996	0.99	29.15	58.38	0.45
River 1	Reach 1	4231	PF 1	28.90	74.54	75.72	75.78	0.005896	1.02	28.35	72.91	0.52
River 1	Reach 1	4196	PF 1	28.90	74.47	75.26	75.39	0.024820	1.58	18.24	84.34	1.00

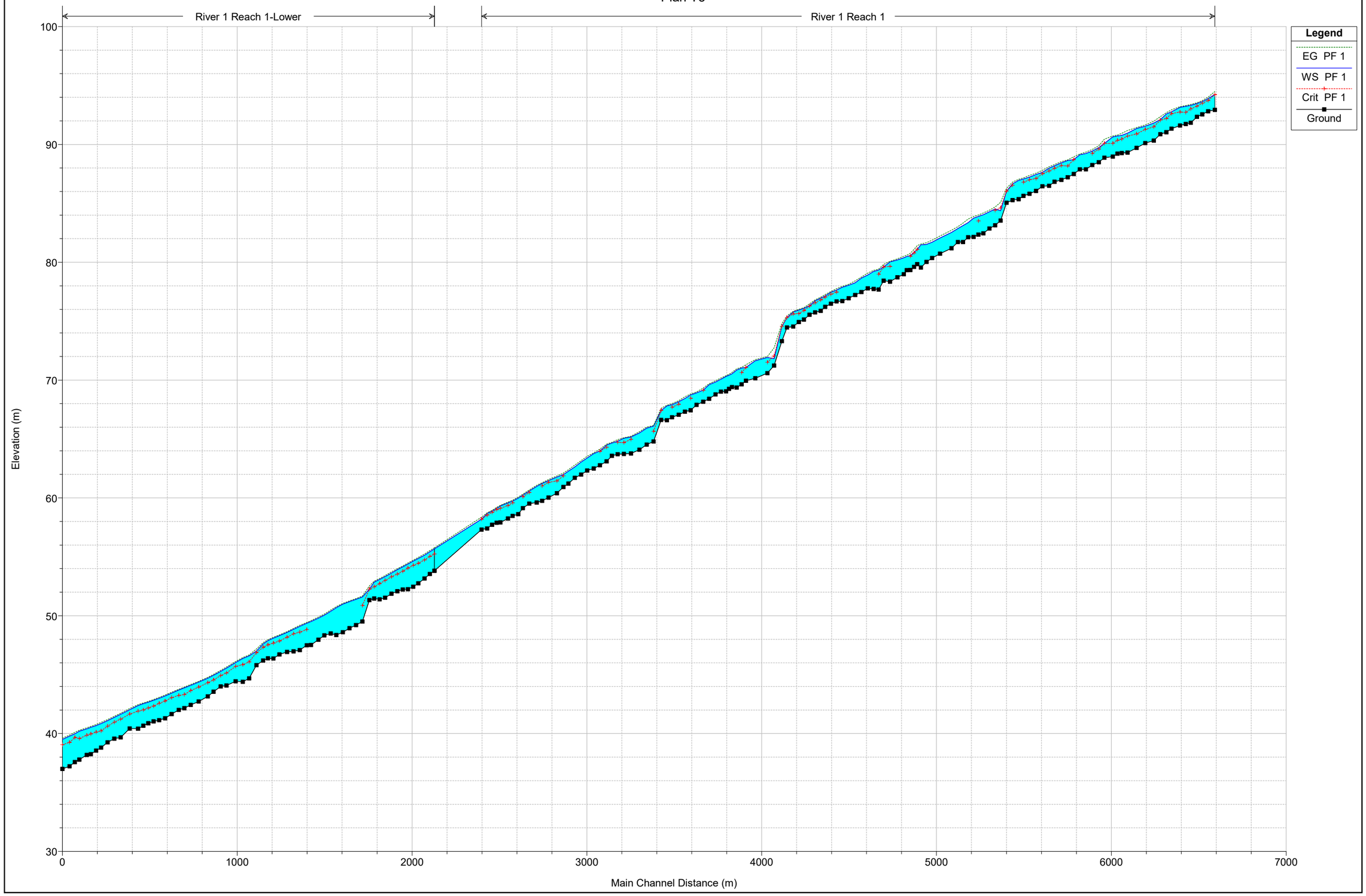
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	4166	PF 1	28.90	73.30	74.48	74.70	0.021550	2.06	14.00	32.94	1.01
River 1	Reach 1	4122	PF 1	28.90	71.23	71.78	72.58	0.164876	3.98	7.27	29.53	2.56
River 1	Reach 1	4084	PF 1	28.90	70.59	71.79	71.86	0.003485	1.19	24.28	33.38	0.45
River 1	Reach 1	4014	PF 1	28.90	70.16	71.53	71.61	0.003723	1.24	23.24	31.29	0.46
River 1	Reach 1	3961	PF 1	28.90	69.94	71.00	71.20	0.021405	1.98	14.56	36.27	1.00
River 1	Reach 1	3936	PF 1	28.90	69.64	70.95	71.00	0.002489	0.94	30.64	46.44	0.37
River 1	Reach 1	3908	PF 1	28.90	69.36	70.79	70.87	0.008393	1.29	22.34	52.33	0.63
River 1	Reach 1	3881	PF 1	28.90	69.40	70.48	70.58	0.014477	1.46	19.81	58.41	0.80
River 1	Reach 1	3864	PF 1	28.90	69.26	70.35	70.41	0.006749	1.16	24.96	58.69	0.57
River 1	Reach 1	3847	PF 1	28.90	69.05	70.23	70.30	0.006414	1.14	25.33	58.63	0.55
River 1	Reach 1	3817	PF 1	28.90	69.02	70.00	70.09	0.008003	1.32	21.93	48.29	0.62
River 1	Reach 1	3786	PF 1	28.90	68.79	69.76	69.85	0.007401	1.30	22.30	47.59	0.60
River 1	Reach 1	3750	PF 1	28.90	68.42	69.54	69.60	0.005921	1.13	25.66	57.04	0.54
River 1	Reach 1	3717	PF 1	28.90	68.16	69.06	69.24	0.022140	1.92	15.05	40.43	1.00
River 1	Reach 1	3678	PF 1	28.90	67.90	68.80	68.87	0.004631	1.16	24.84	43.74	0.49
River 1	Reach 1	3644	PF 1	28.90	67.44	68.62	68.70	0.005361	1.25	23.09	40.68	0.53
River 1	Reach 1	3612	PF 1	28.90	67.32	68.32	68.46	0.010021	1.66	17.43	32.07	0.72
River 1	Reach 1	3576	PF 1	28.90	67.05	68.07	68.15	0.006576	1.28	22.64	45.12	0.58
River 1	Reach 1	3538	PF 1	28.90	66.85	67.81	67.89	0.007393	1.29	22.46	48.31	0.60
River 1	Reach 1	3508	PF 1	28.90	66.60	67.71	67.75	0.002881	0.90	32.10	58.25	0.39
River 1	Reach 1	3475	PF 1	28.90	66.62	67.35	67.53	0.022629	1.86	15.56	44.65	1.01
River 1	Reach 1	3432	PF 1	28.90	64.79	66.01	66.05	0.001679	0.83	34.68	47.05	0.31
River 1	Reach 1	3393	PF 1	28.90	64.53	65.85	65.93	0.007580	1.21	23.90	57.45	0.60
River 1	Reach 1	3351	PF 1	28.90	64.09	65.43	65.54	0.011412	1.46	19.80	48.75	0.73
River 1	Reach 1	3303	PF 1	28.90	63.77	65.09	65.15	0.005678	1.07	26.90	62.10	0.52
River 1	Reach 1	3262	PF 1	28.90	63.73	64.98	65.01	0.001942	0.79	36.75	60.75	0.32
River 1	Reach 1	3226	PF 1	28.90	63.71	64.73	64.86	0.012487	1.56	18.49	43.97	0.77
River 1	Reach 1	3193	PF 1	28.90	63.58	64.57	64.63	0.003746	1.05	27.51	48.18	0.44
River 1	Reach 1	3163	PF 1	28.90	63.10	64.41	64.48	0.006807	1.21	23.82	52.46	0.57
River 1	Reach 1	3125	PF 1	28.90	62.77	63.89	64.06	0.019864	1.82	15.87	42.54	0.95
River 1	Reach 1	3090	PF 1	28.90	62.49	63.69	63.75	0.004211	1.02	28.36	56.62	0.46
River 1	Reach 1	3052	PF 1	28.90	62.33	63.31	63.45	0.017253	1.65	17.48	48.65	0.88
River 1	Reach 1	3018	PF 1	28.90	61.98	62.99	63.08	0.007115	1.33	21.77	43.41	0.60
River 1	Reach 1	2981	PF 1	28.90	61.71	62.54	62.69	0.016517	1.70	17.04	44.24	0.87
River 1	Reach 1	2945	PF 1	28.90	61.21	62.20	62.29	0.007269	1.36	21.26	41.60	0.61
River 1	Reach 1	2916	PF 1	28.90	60.93	61.88	62.01	0.013742	1.61	17.94	43.83	0.80
River 1	Reach 1	2879	PF 1	28.90	60.40	61.68	61.75	0.003848	1.21	23.89	34.51	0.46
River 1	Reach 1	2831	PF 1	28.90	60.03	61.39	61.48	0.008694	1.29	22.36	53.89	0.64
River 1	Reach 1	2795	PF 1	28.90	59.75	61.17	61.22	0.005528	1.05	27.48	64.31	0.51
River 1	Reach 1	2764	PF 1	28.90	59.61	60.93	61.00	0.009324	1.20	23.99	67.73	0.65
River 1	Reach 1	2722	PF 1	28.90	59.52	60.51	60.59	0.010261	1.28	22.52	62.21	0.68
River 1	Reach 1	2685	PF 1	28.90	59.13	60.17	60.25	0.008438	1.20	24.13	63.86	0.62
River 1	Reach 1	2658	PF 1	28.90	58.62	59.91	60.00	0.010074	1.29	22.33	59.90	0.68
River 1	Reach 1	2626	PF 1	28.90	58.48	59.67	59.73	0.006677	1.09	26.41	66.96	0.56
River 1	Reach 1	2600	PF 1	28.90	58.25	59.51	59.57	0.005568	1.07	27.12	62.52	0.52
River 1	Reach 1	2556	PF 1	28.90	57.92	59.25	59.31	0.006511	1.02	28.39	78.93	0.54
River 1	Reach 1	2535	PF 1	28.90	57.89	59.06	59.13	0.010661	1.21	23.93	74.56	0.68
River 1	Reach 1	2509	PF 1	28.90	57.72	58.83	58.89	0.008231	1.06	27.15	84.28	0.60

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	2480	PF 1	28.90	57.41	58.62	58.67	0.006985	0.98	29.40	90.94	0.55
River 1	Reach 1	2448	PF 1	28.90	57.31	58.12	58.29	0.022548	1.86	15.57	44.63	1.00
River 1	Reach 1-Lower	2178	PF 1	114.00	53.82	55.60	55.69	0.008059	1.31	87.24	106.50	0.46
River 1	Reach 1-Lower	2151	PF 1	114.00	53.55	55.36	55.46	0.009090	1.40	81.57	98.64	0.49
River 1	Reach 1-Lower	2120	PF 1	114.00	53.16	55.08	55.18	0.009379	1.39	82.10	102.46	0.50
River 1	Reach 1-Lower	2085	PF 1	114.00	52.75	54.81	54.88	0.007304	1.24	91.57	111.50	0.44
River 1	Reach 1-Lower	2055	PF 1	114.00	52.46	54.58	54.66	0.007919	1.25	91.15	116.86	0.45
River 1	Reach 1-Lower	2025	PF 1	114.00	52.25	54.33	54.41	0.008438	1.25	90.85	138.44	0.46
River 1	Reach 1-Lower	1995	PF 1	114.00	52.23	54.09	54.17	0.008096	1.25	91.50	157.62	0.46
River 1	Reach 1-Lower	1964	PF 1	114.00	52.08	53.86	53.93	0.007231	1.20	94.69	160.24	0.43
River 1	Reach 1-Lower	1930	PF 1	114.00	51.87	53.57	53.66	0.008626	1.30	87.59	162.97	0.47
River 1	Reach 1-Lower	1894	PF 1	114.00	51.53	53.26	53.34	0.008747	1.27	89.54	154.30	0.47
River 1	Reach 1-Lower	1863	PF 1	114.00	51.39	53.02	53.10	0.007260	1.20	95.04	167.19	0.43
River 1	Reach 1-Lower	1832	PF 1	114.00	51.46	52.81	52.88	0.006652	1.17	97.75	136.32	0.42
River 1	Reach 1-Lower	1804	PF 1	114.00	51.33	52.22	52.47	0.044808	2.19	51.95	179.46	1.00
River 1	Reach 1-Lower	1765	PF 1	114.00	49.51	51.51	51.59	0.005582	1.26	90.72	166.47	0.40
River 1	Reach 1-Lower	1729	PF 1	114.00	49.21	51.32	51.39	0.005415	1.15	99.55	110.06	0.38
River 1	Reach 1-Lower	1692	PF 1	114.00	48.94	51.13	51.19	0.004960	1.10	103.19	112.50	0.37
River 1	Reach 1-Lower	1654	PF 1	114.00	48.60	50.91	50.98	0.006254	1.15	99.30	121.35	0.41
River 1	Reach 1-Lower	1616	PF 1	114.00	48.36	50.60	50.69	0.009264	1.33	85.57	112.42	0.49
River 1	Reach 1-Lower	1584	PF 1	114.00	48.49	50.30	50.40	0.009192	1.40	81.29	98.24	0.49
River 1	Reach 1-Lower	1547	PF 1	114.00	48.34	49.98	50.07	0.008463	1.34	84.97	103.25	0.47
River 1	Reach 1-Lower	1513	PF 1	114.00	47.97	49.74	49.82	0.006596	1.26	90.78	101.03	0.42
River 1	Reach 1-Lower	1471	PF 1	114.00	47.52	49.45	49.53	0.007251	1.19	95.92	124.75	0.43
River 1	Reach 1-Lower	1447	PF 1	114.00	47.50	49.30	49.37	0.005991	1.15	99.26	134.67	0.40
River 1	Reach 1-Lower	1407	PF 1	114.00	47.08	49.05	49.12	0.006158	1.20	94.92	136.11	0.41
River 1	Reach 1-Lower	1371	PF 1	114.00	46.98	48.79	48.87	0.008174	1.24	91.71	151.84	0.46
River 1	Reach 1-Lower	1334	PF 1	114.00	46.92	48.52	48.59	0.006678	1.17	97.43	149.95	0.42
River 1	Reach 1-Lower	1290	PF 1	114.00	46.72	48.25	48.32	0.006007	1.13	100.53	152.05	0.40
River 1	Reach 1-Lower	1255	PF 1	114.00	46.37	48.05	48.11	0.005638	1.11	102.27	157.44	0.39
River 1	Reach 1-Lower	1224	PF 1	114.00	46.39	47.83	47.91	0.007884	1.23	92.48	153.32	0.45
River 1	Reach 1-Lower	1196	PF 1	114.00	46.20	47.56	47.66	0.009845	1.35	84.18	151.39	0.50
River 1	Reach 1-Lower	1158	PF 1	114.00	45.80	46.94	47.11	0.023306	1.79	63.78	138.45	0.74
River 1	Reach 1-Lower	1116	PF 1	114.00	44.68	46.52	46.59	0.006883	1.22	93.47	142.04	0.43
River 1	Reach 1-Lower	1080	PF 1	114.00	44.39	46.30	46.37	0.005485	1.15	98.77	147.14	0.39
River 1	Reach 1-Lower	1039	PF 1	114.00	44.43	45.97	46.06	0.010850	1.37	83.13	147.66	0.52
River 1	Reach 1-Lower	986	PF 1	114.00	44.08	45.50	45.58	0.007762	1.25	91.48	145.66	0.45
River 1	Reach 1-Lower	953	PF 1	114.00	44.00	45.22	45.30	0.008873	1.28	88.93	150.10	0.48
River 1	Reach 1-Lower	912	PF 1	114.00	43.55	44.89	44.96	0.007796	1.23	92.49	149.69	0.45
River 1	Reach 1-Lower	879	PF 1	114.00	43.15	44.64	44.71	0.007019	1.19	95.69	150.84	0.43
River 1	Reach 1-Lower	827	PF 1	114.00	42.72	44.31	44.37	0.006060	1.14	99.82	152.36	0.40
River 1	Reach 1-Lower	782	PF 1	114.00	42.43	44.03	44.10	0.006182	1.15	98.88	149.42	0.40
River 1	Reach 1-Lower	745	PF 1	114.00	42.16	43.81	43.88	0.005832	1.13	100.45	148.18	0.39
River 1	Reach 1-Lower	713	PF 1	114.00	42.01	43.63	43.70	0.005541	1.12	101.91	149.19	0.39
River 1	Reach 1-Lower	673	PF 1	114.00	41.65	43.37	43.44	0.006904	1.20	94.63	147.51	0.43
River 1	Reach 1-Lower	636	PF 1	114.00	41.30	43.14	43.20	0.005894	1.16	98.17	139.39	0.40
River 1	Reach 1-Lower	602	PF 1	114.00	41.14	42.93	43.00	0.006135	1.18	96.55	156.00	0.41
River 1	Reach 1-Lower	570	PF 1	114.00	41.04	42.76	42.82	0.005057	1.12	101.77	138.00	0.37

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1-Lower	539	PF 1	114.00	40.88	42.60	42.66	0.005043	1.12	101.41	138.98	0.37
River 1	Reach 1-Lower	511	PF 1	114.00	40.67	42.47	42.53	0.004430	1.09	104.87	137.18	0.35
River 1	Reach 1-Lower	481	PF 1	114.00	40.42	42.31	42.38	0.005725	1.19	95.63	145.83	0.40
River 1	Reach 1-Lower	433	PF 1	114.00	40.43	41.96	42.05	0.008196	1.37	83.43	124.52	0.47
River 1	Reach 1-Lower	382	PF 1	114.00	39.67	41.57	41.65	0.007175	1.30	87.63	144.52	0.44
River 1	Reach 1-Lower	345	PF 1	114.00	39.57	41.30	41.39	0.007389	1.29	88.68	154.48	0.44
River 1	Reach 1-Lower	306	PF 1	114.00	39.25	41.03	41.12	0.006537	1.30	87.77	162.73	0.43
River 1	Reach 1-Lower	269	PF 1	114.00	38.80	40.77	40.87	0.007099	1.35	84.48	147.40	0.44
River 1	Reach 1-Lower	240	PF 1	114.00	38.55	40.61	40.68	0.005413	1.25	91.35	131.68	0.39
River 1	Reach 1-Lower	210	PF 1	114.00	38.25	40.46	40.53	0.004702	1.20	94.98	128.83	0.37
River 1	Reach 1-Lower	187	PF 1	114.00	38.18	40.33	40.41	0.005369	1.25	90.99	127.29	0.39
River 1	Reach 1-Lower	144	PF 1	114.00	37.79	40.13	40.20	0.004432	1.18	96.67	127.47	0.36
River 1	Reach 1-Lower	119	PF 1	114.00	37.58	39.91	40.03	0.010485	1.53	74.47	126.60	0.53
River 1	Reach 1-Lower	88	PF 1	114.00	37.23	39.71	39.79	0.005714	1.28	89.49	125.54	0.40
River 1	Reach 1-Lower	47	PF 1	114.00	37.00	39.44	39.53	0.007001	1.35	84.68	120.44	0.44

SECCIONS TRANSVERSALS SIMULACIÓ T = 3 ANYS

Plan T3


River 1 Reach 1-Lower
River 1 Reach 1
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Elevation (m)
100
90
80
70
60
50
40
30
0
1000
2000
3000
4000
5000
6000
7000
Main Channel Distance (m)

Plan T3

River 2 Reach 2

Legend

EG PF 1

Crit PF 1

WS PF 1

Ground

Elevation (m)

85

80

75

70

65

60

55

0

500

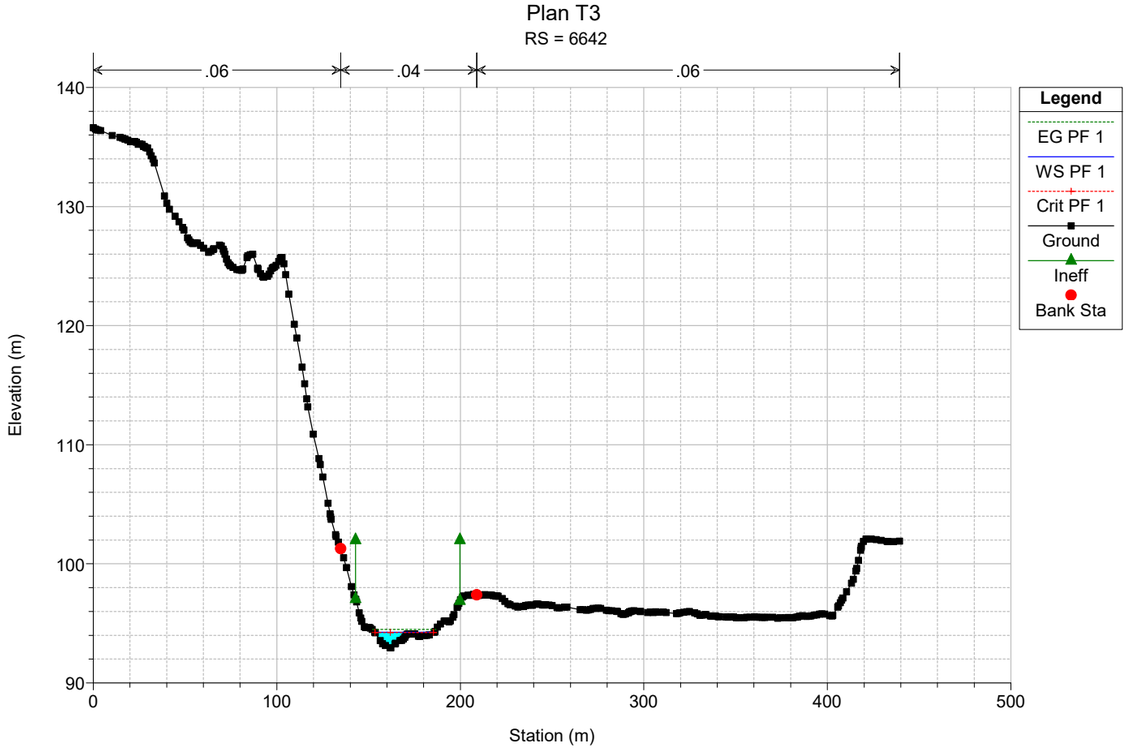
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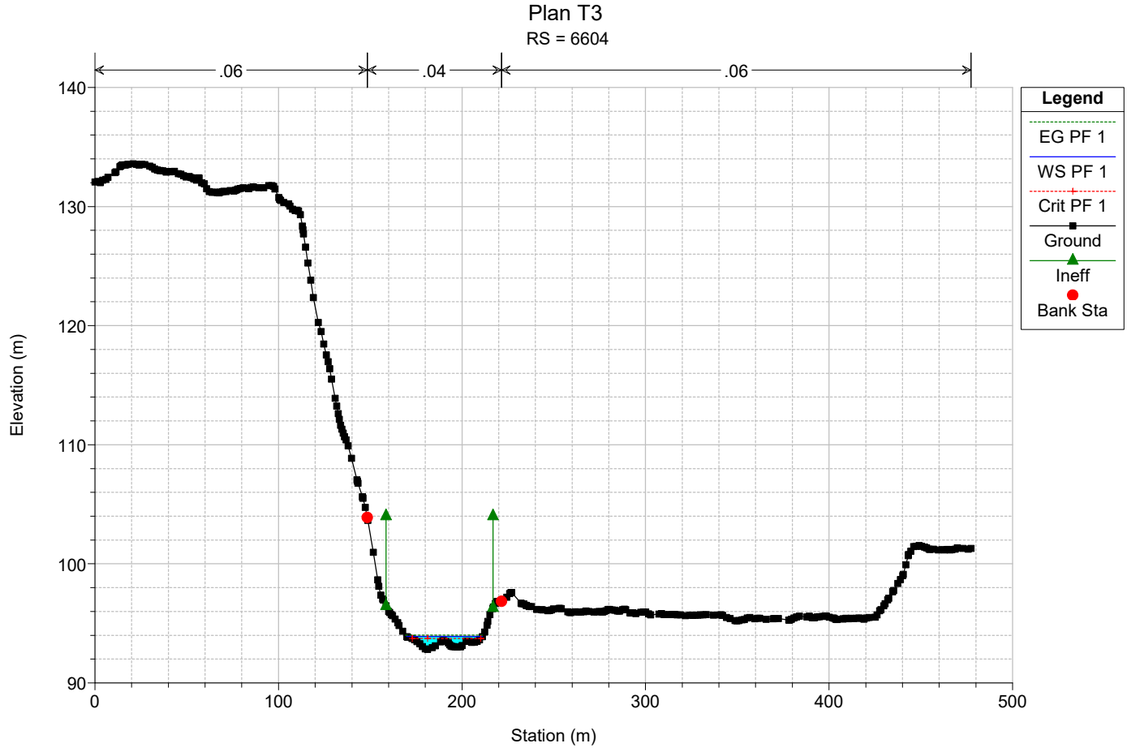
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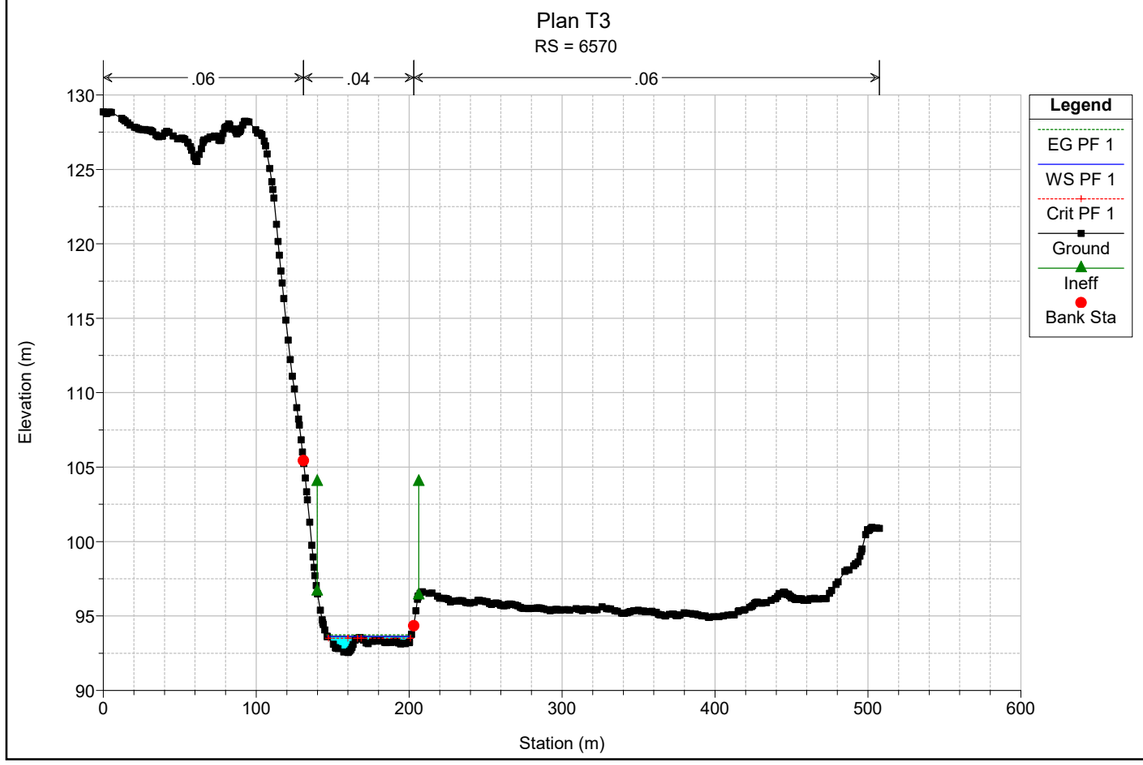
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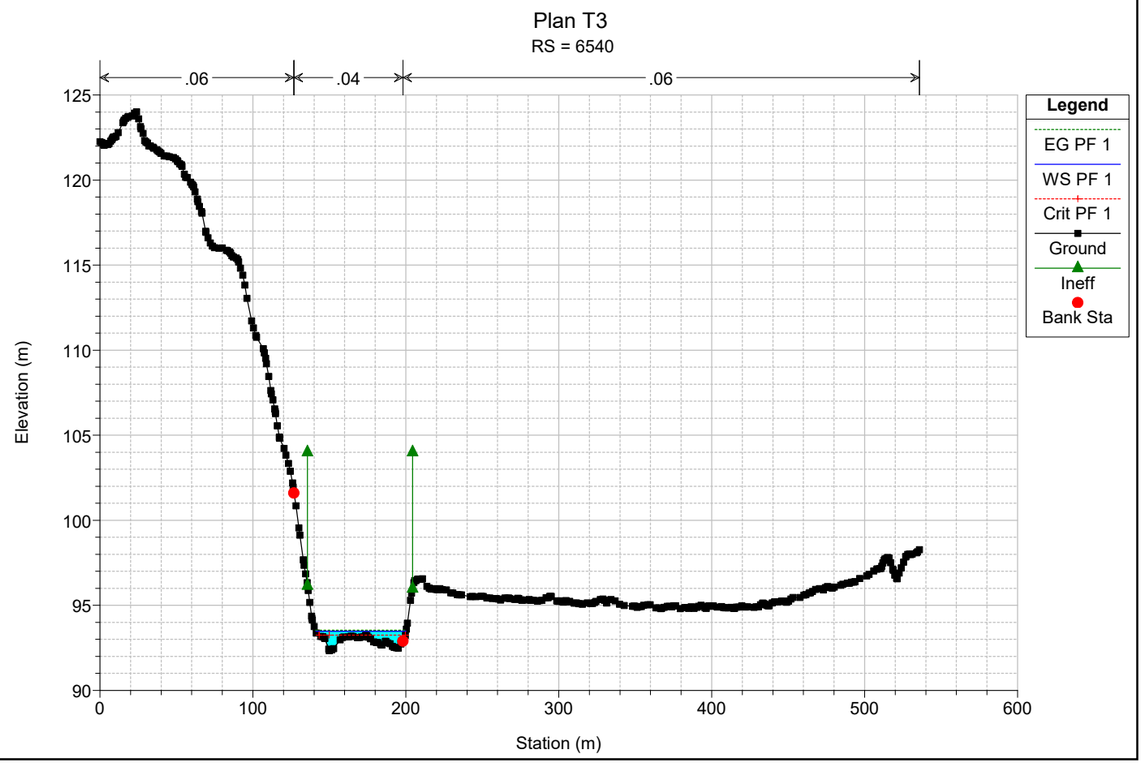
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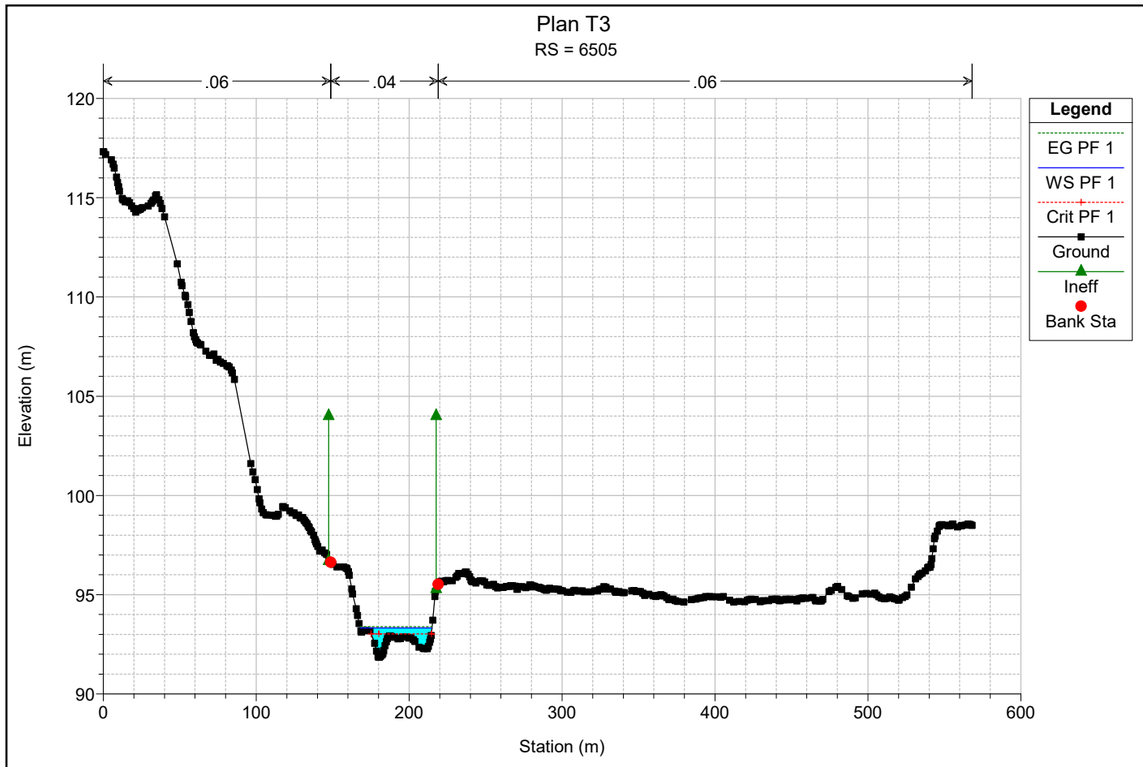
Main Channel Distance (m)

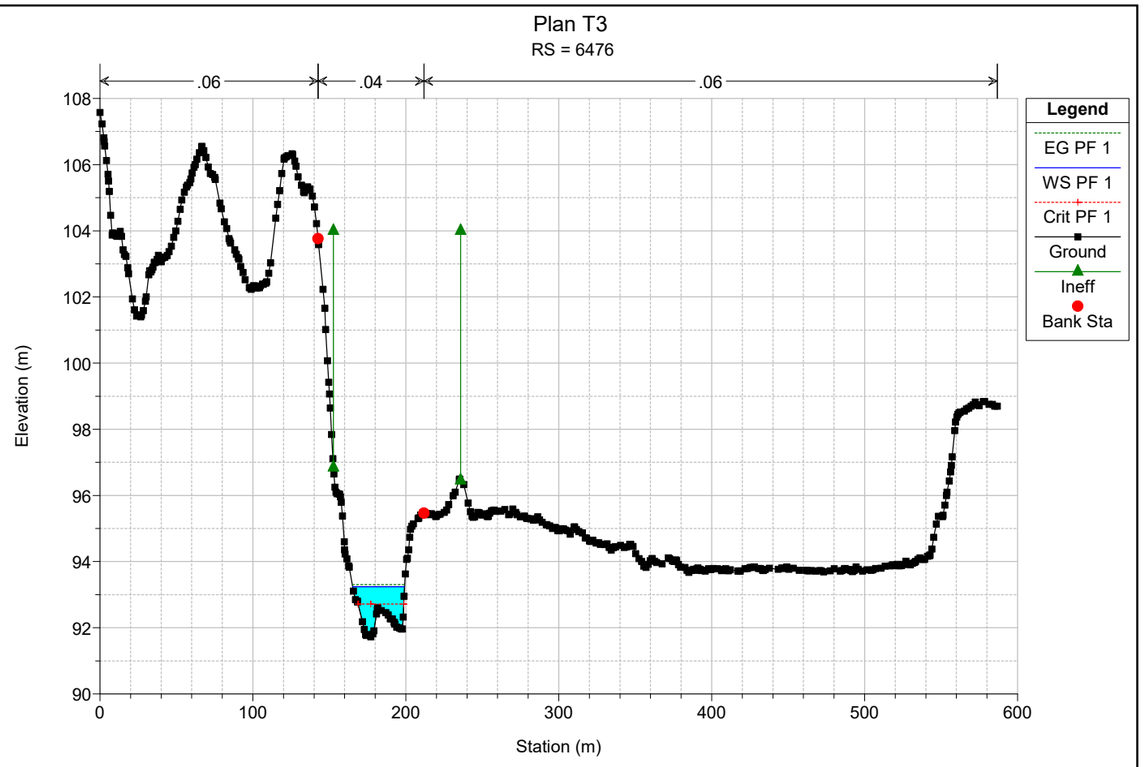

Plan T3
RS = 6642
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

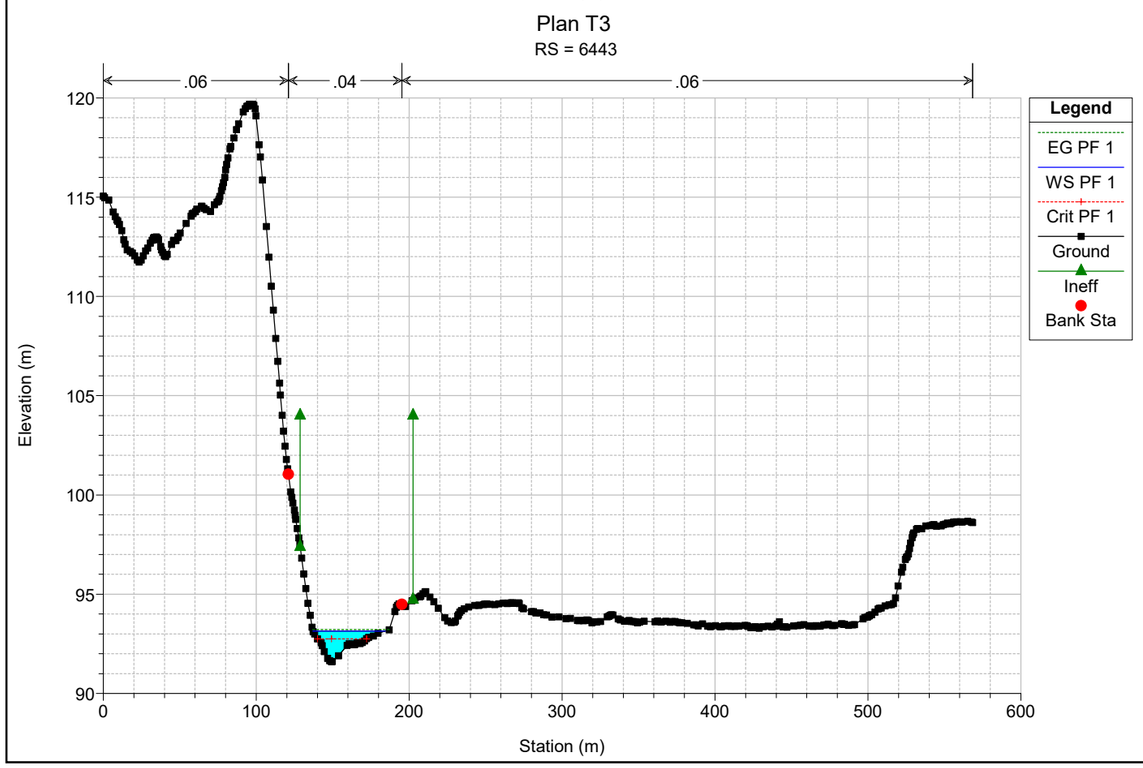

Plan T3
RS = 6604
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

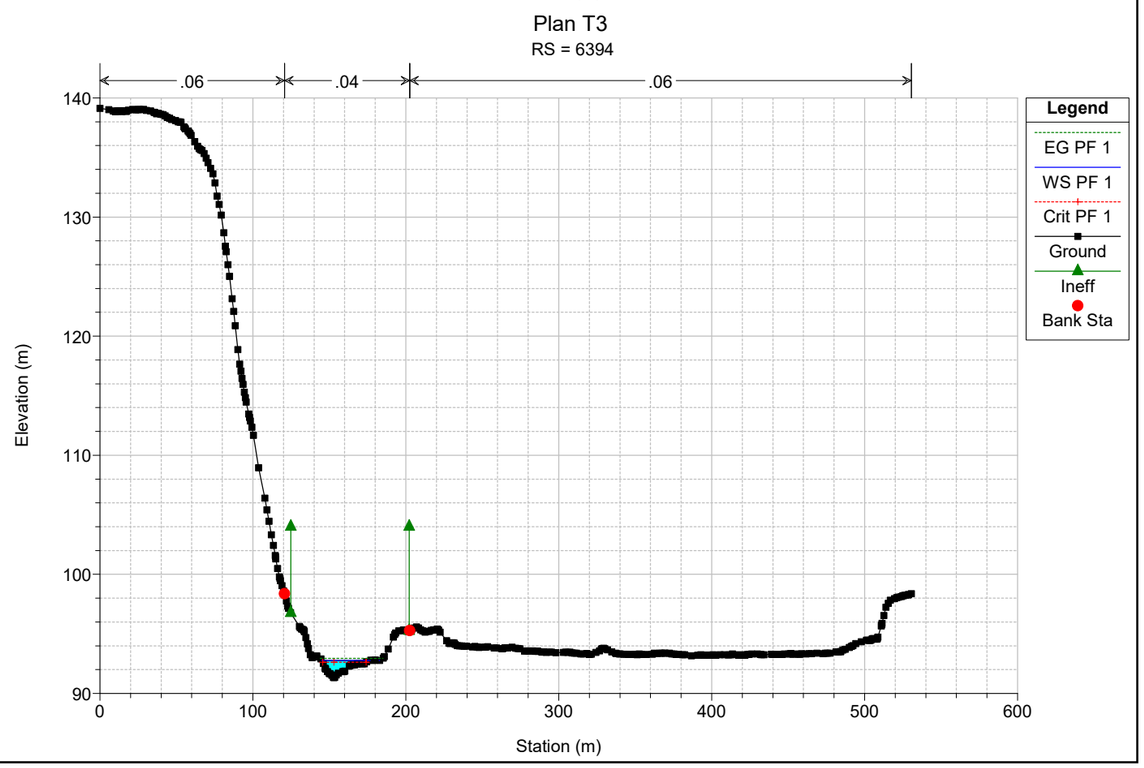

Plan T3
RS = 6570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

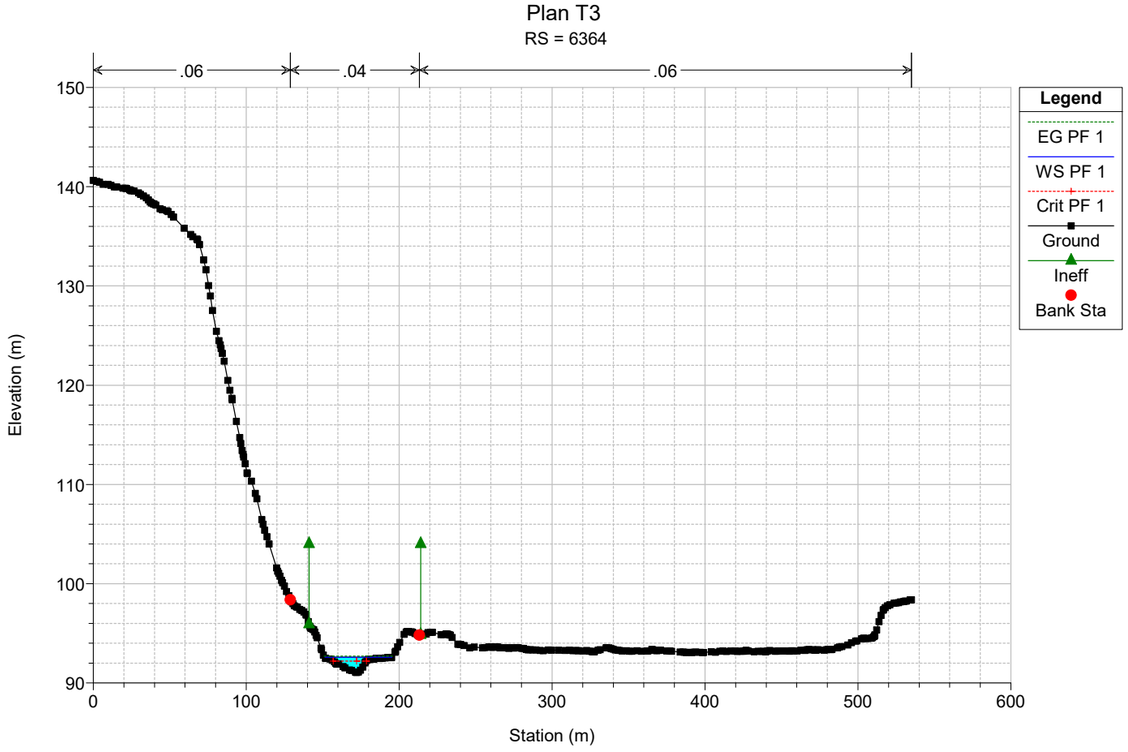

Plan T3
RS = 6540
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

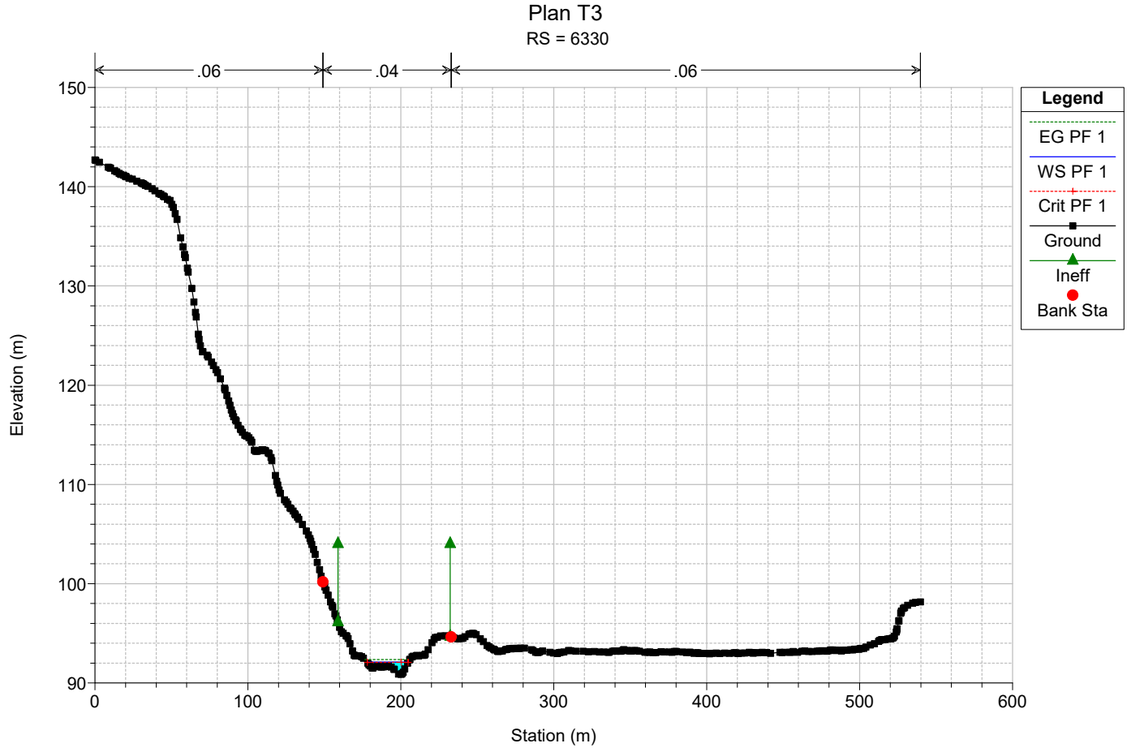

Plan T3
RS = 6505
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

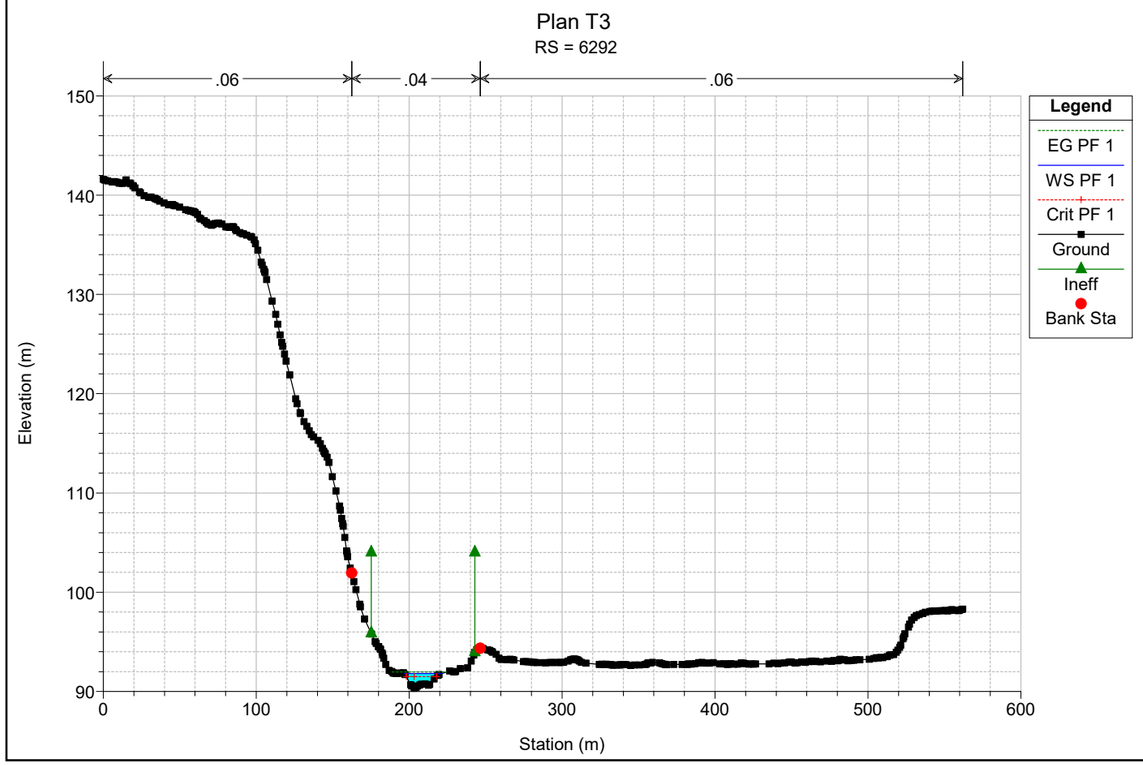

Plan T3
RS = 6476
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
108
106
104
102
100
98
96
94
92
90
0
100
200
300
400
500
600

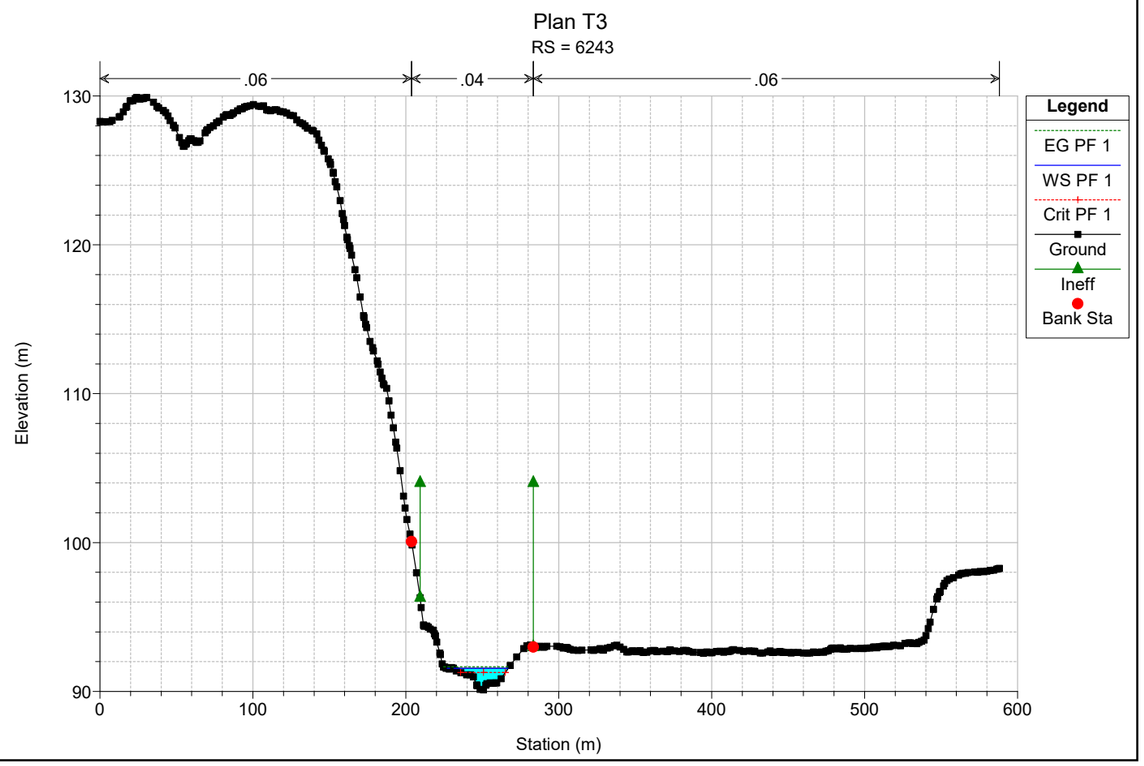

Plan T3
RS = 6443
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

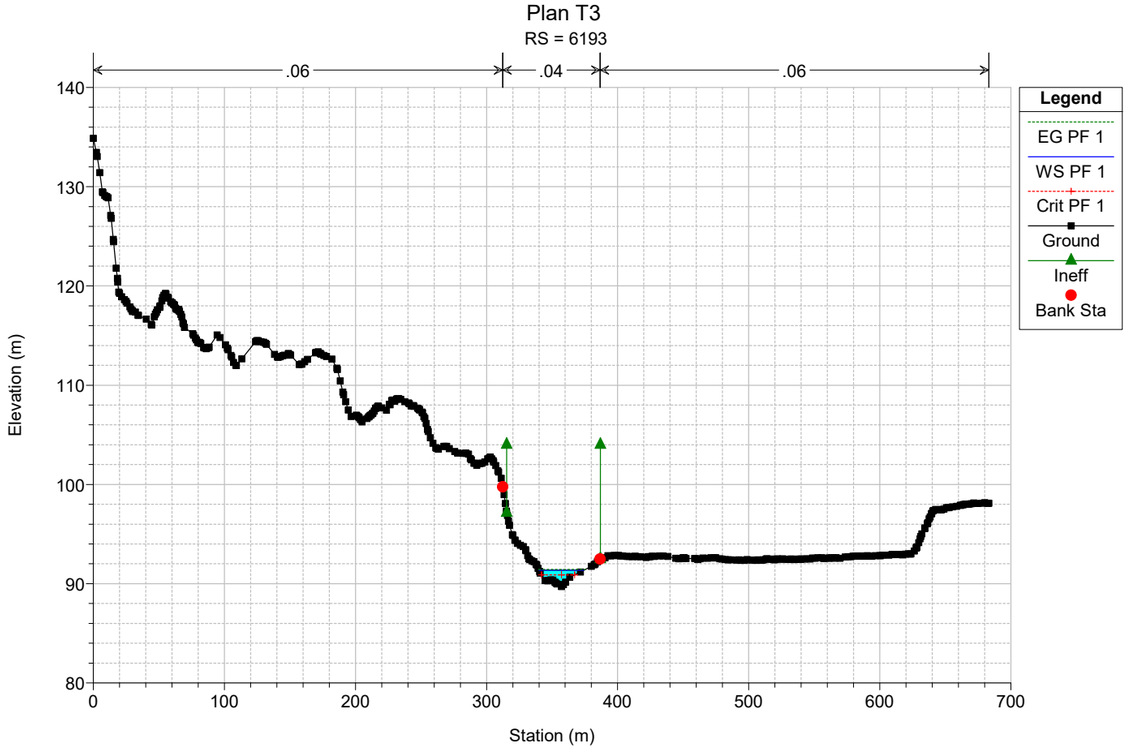

Plan T3
RS = 6394
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500
600

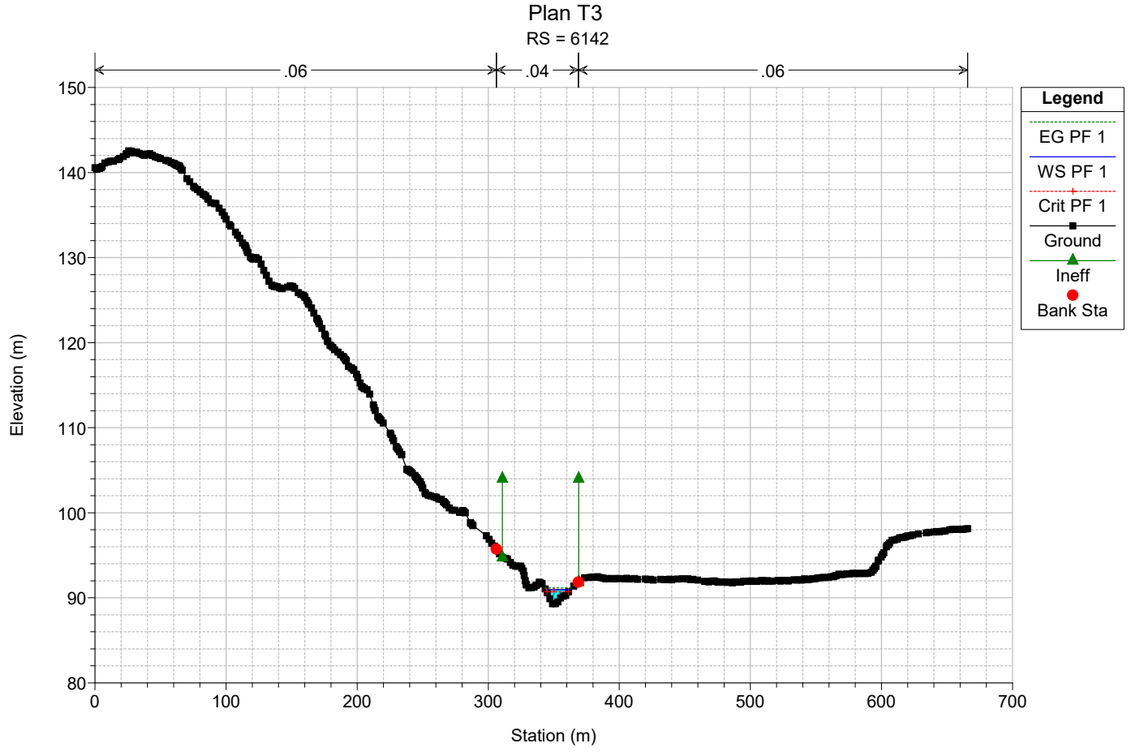

Plan T3
RS = 6364
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

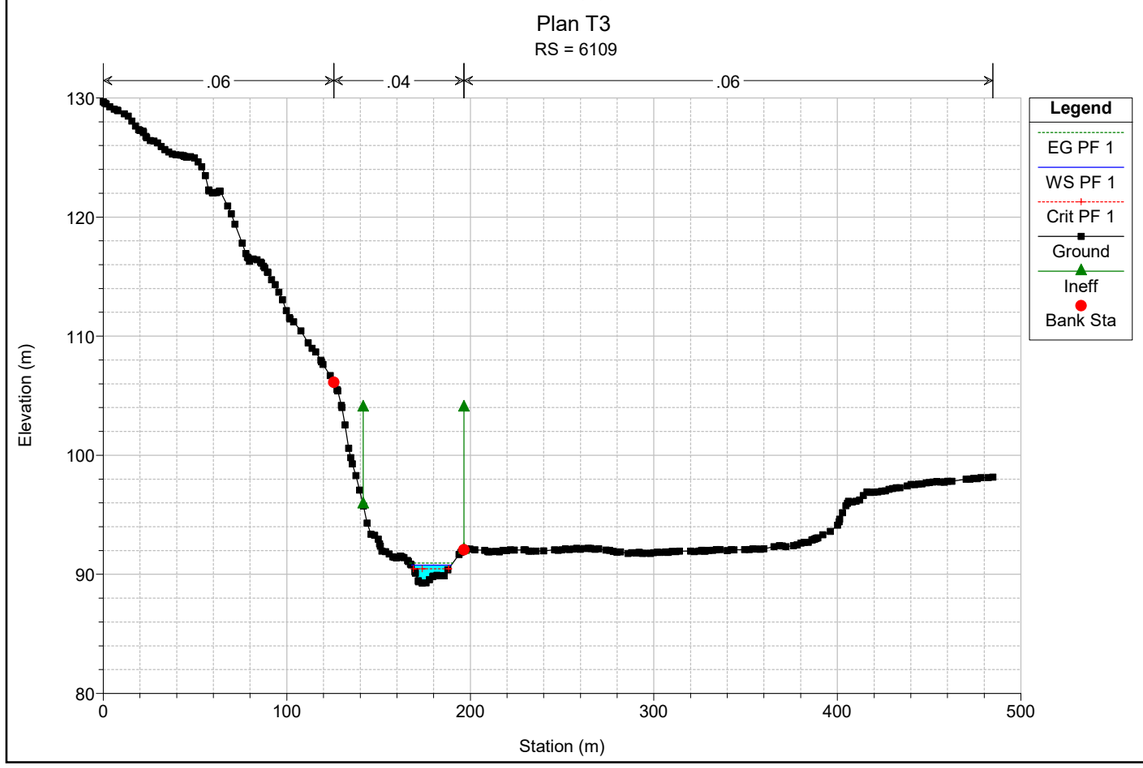

Plan T3
RS = 6330
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

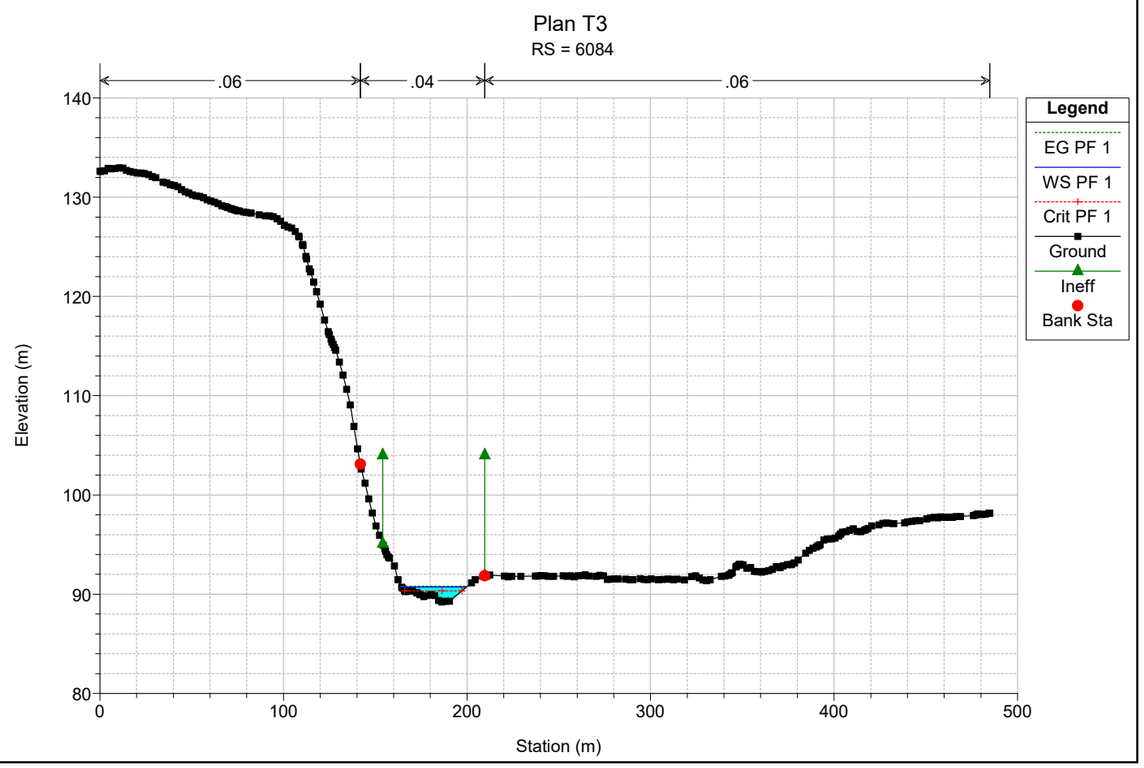

Plan T3
RS = 6292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

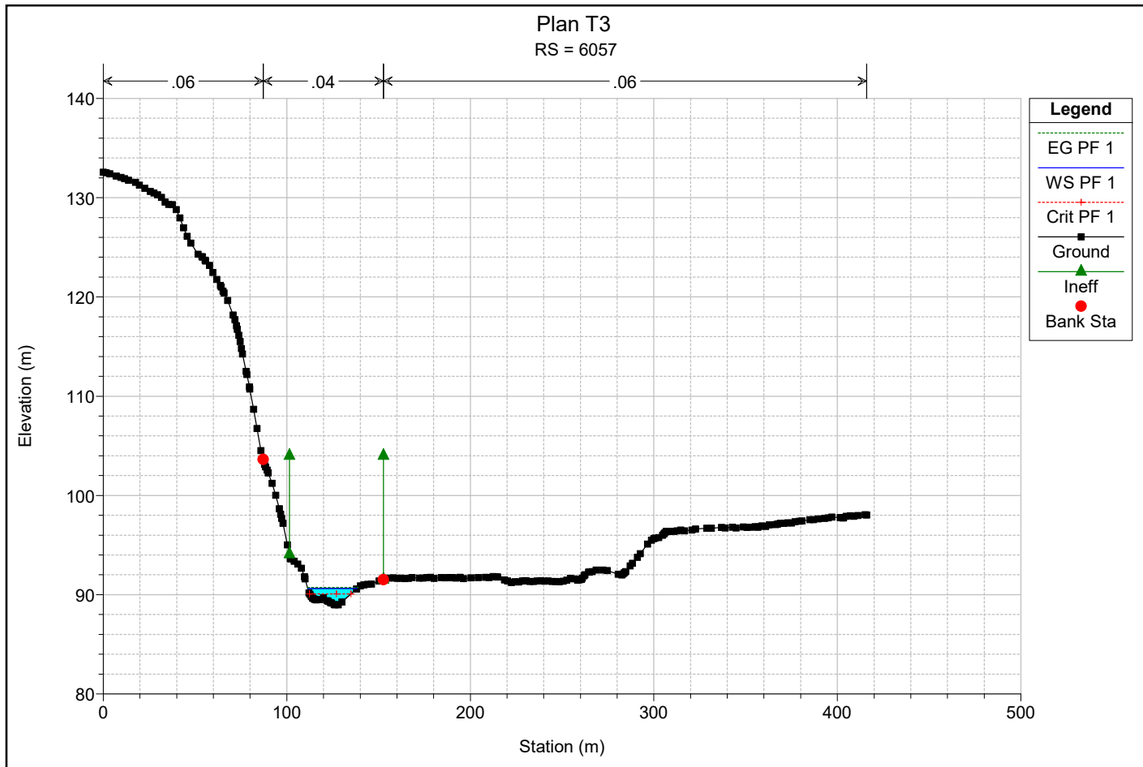

Plan T3
RS = 6243
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
0
100
200
300
400
500
600

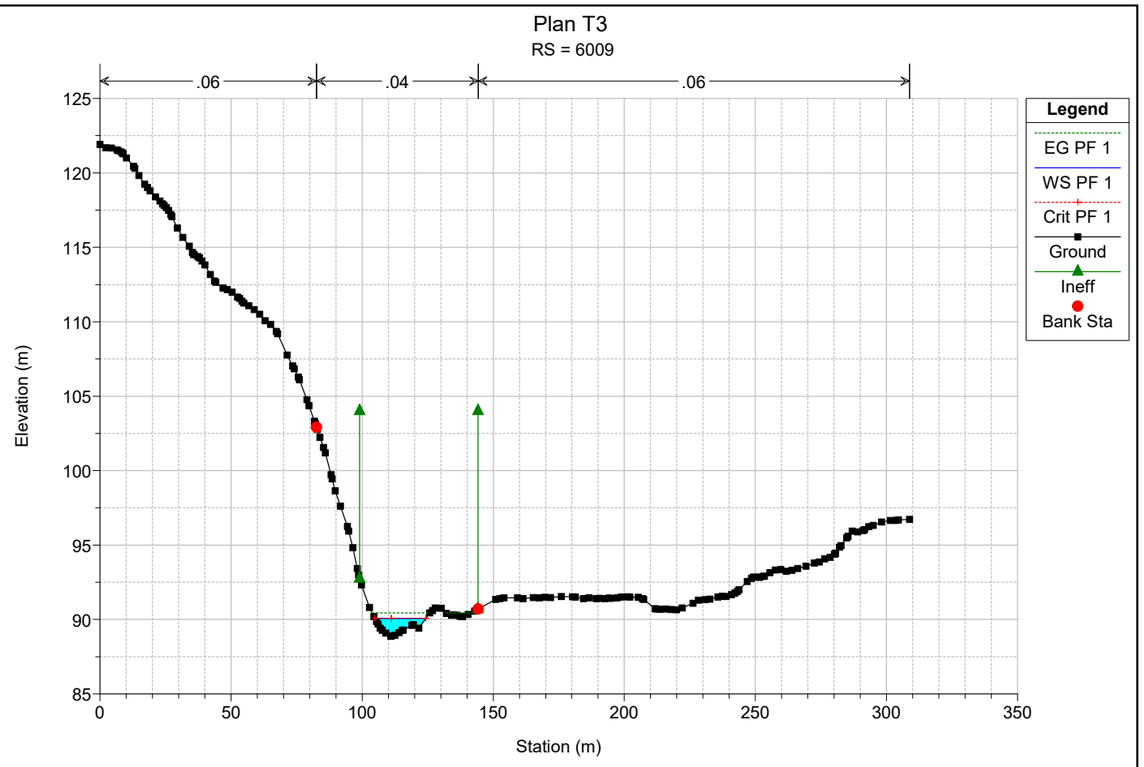

Plan T3
RS = 6193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
80
0
100
200
300
400
500
600
700

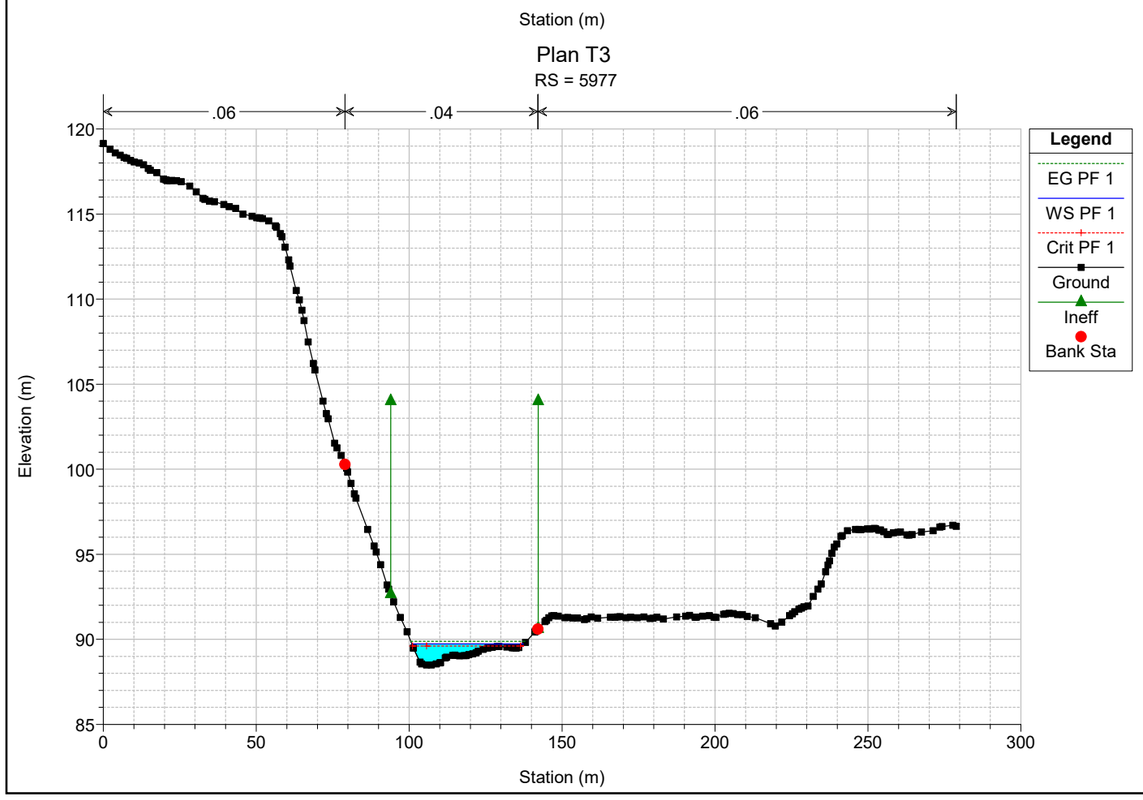

Plan T3
RS = 6142
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
80
0
100
200
300
400
500
600
700

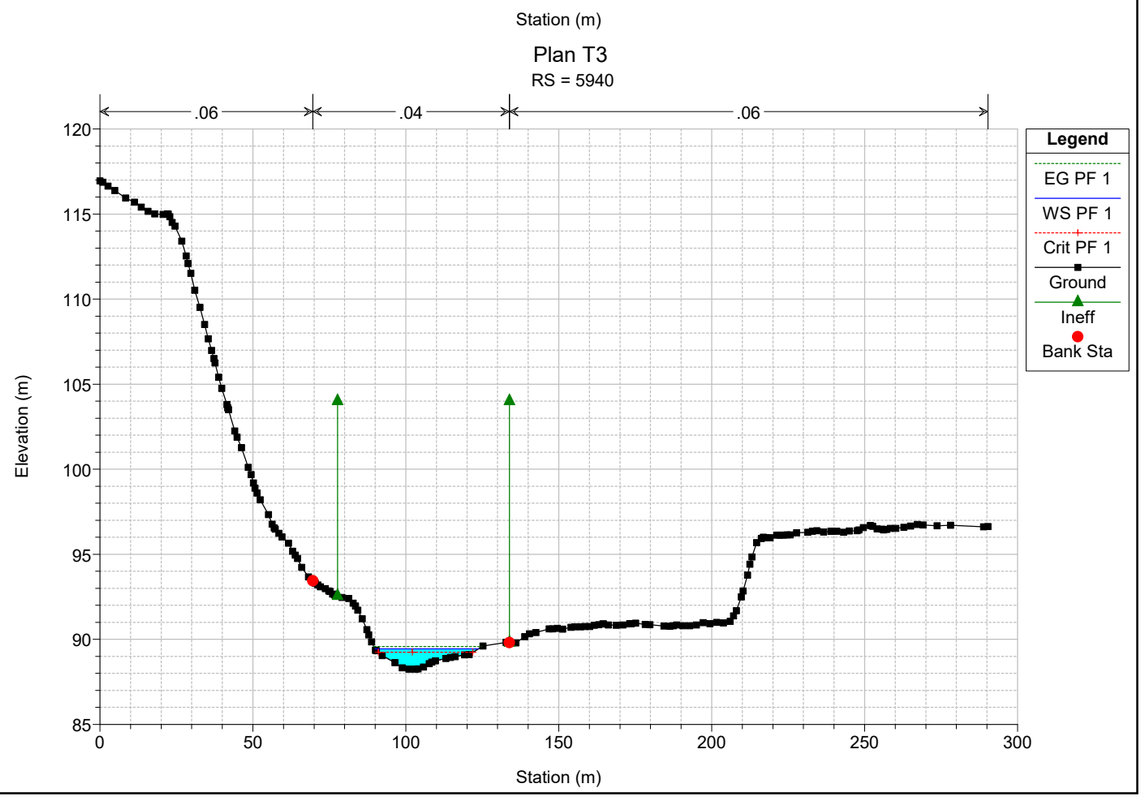

Plan T3
RS = 6109
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
80
0
100
200
300
400
500

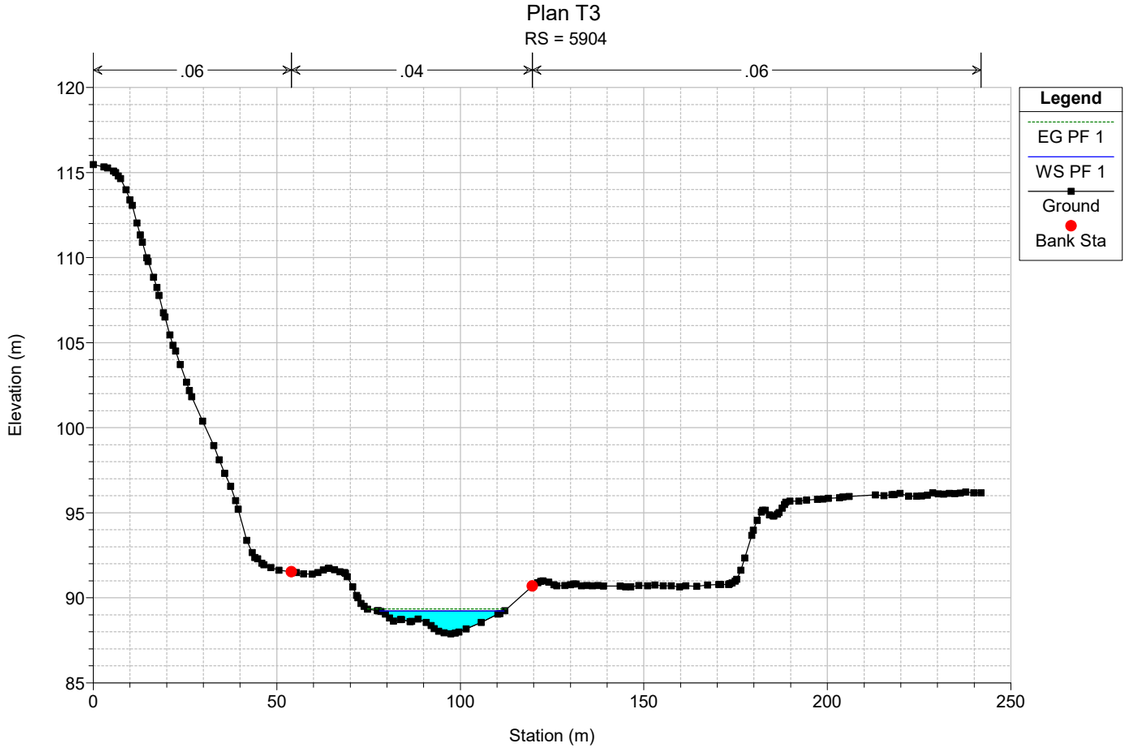

Plan T3
RS = 6084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
80
0
100
200
300
400
500

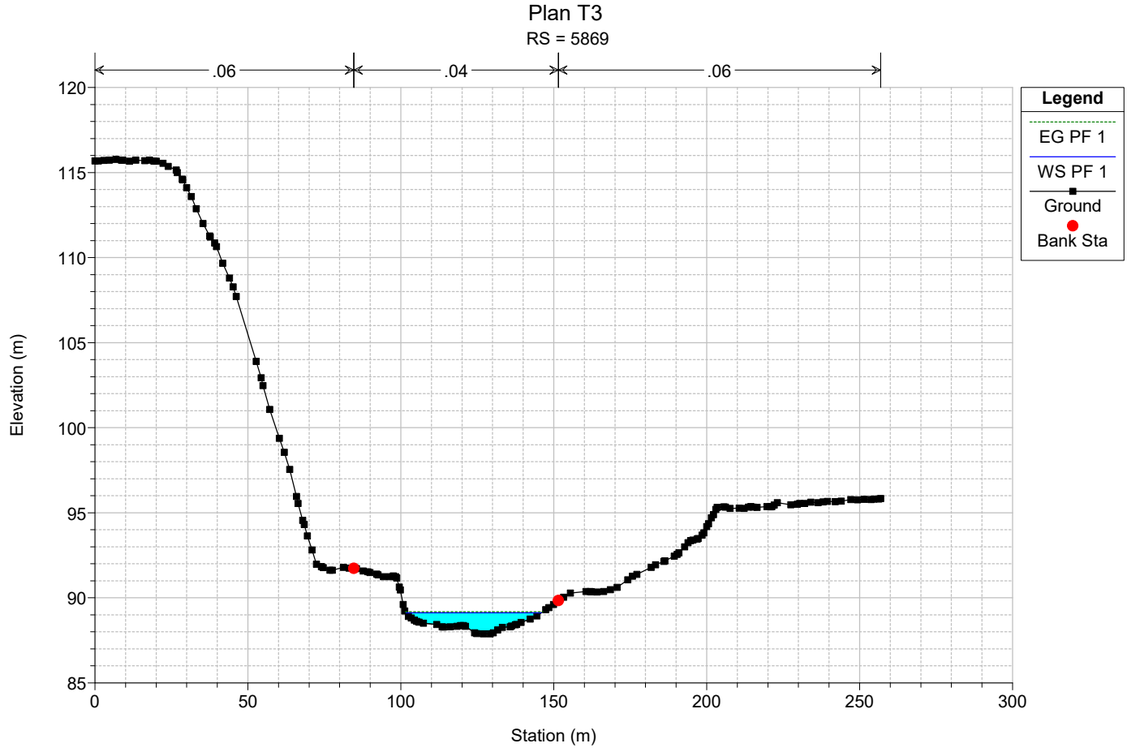

Plan T3
RS = 6057
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

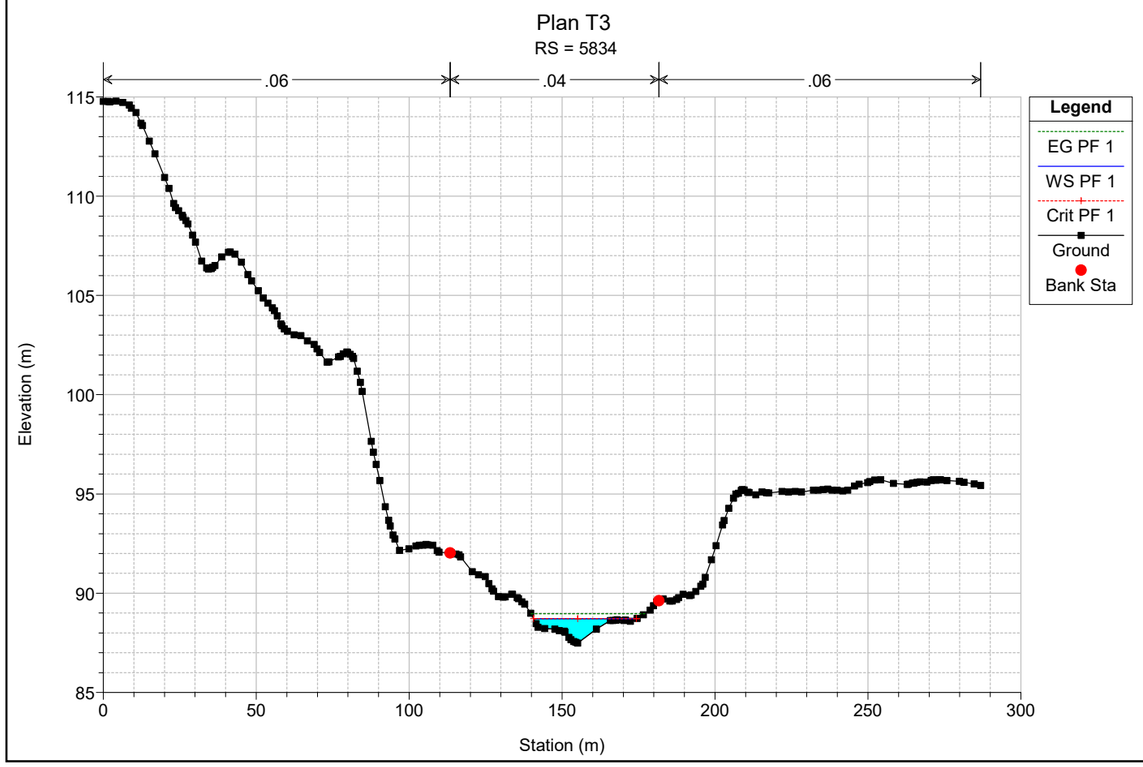

Plan T3
RS = 6009
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

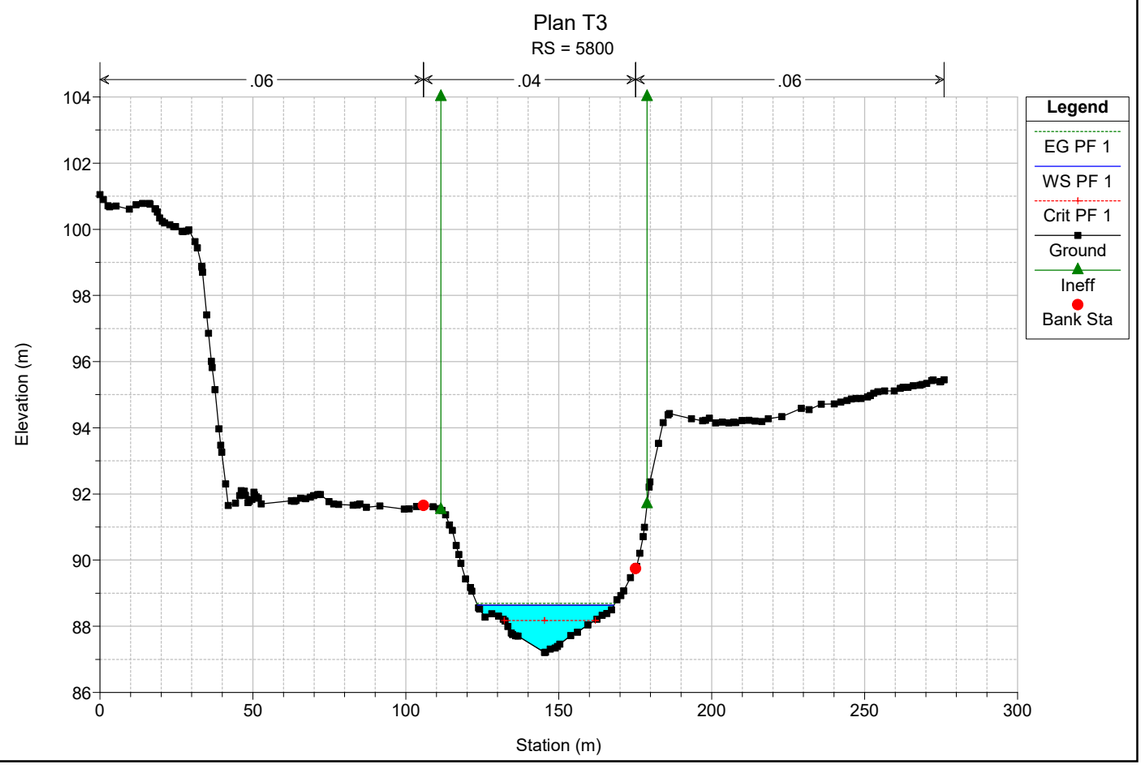

Plan T3
RS = 5977
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

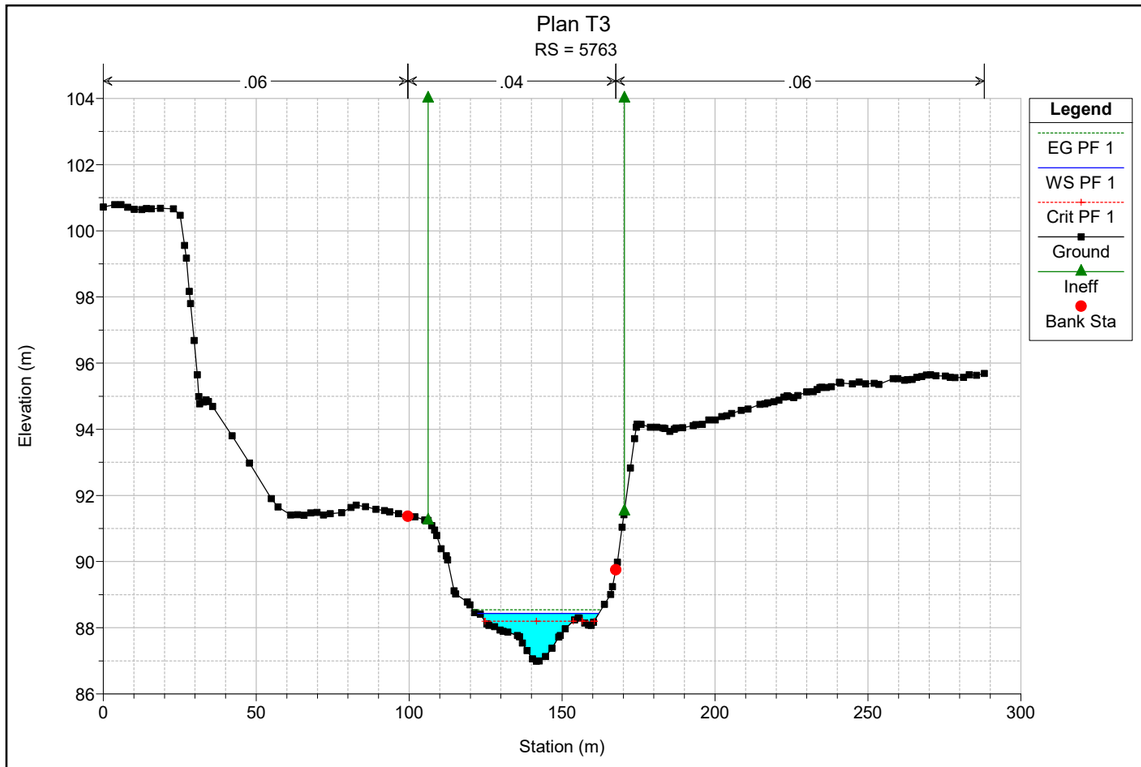

Plan T3
RS = 5940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

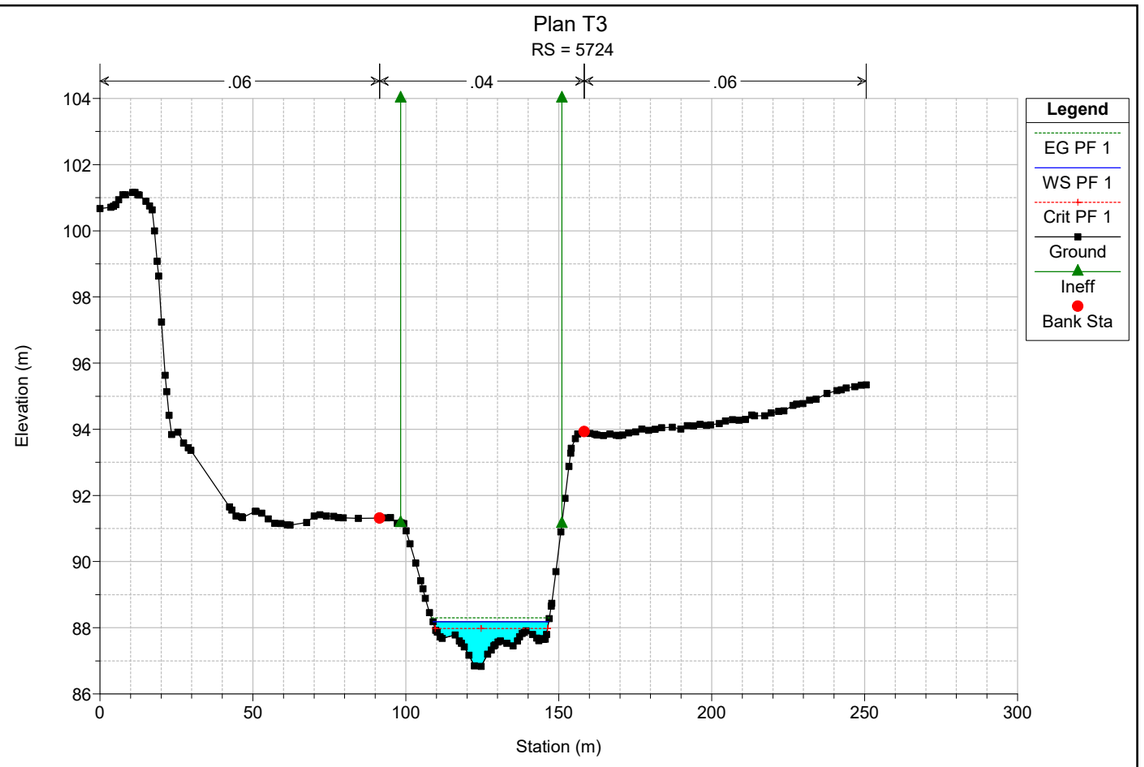

Plan T3
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

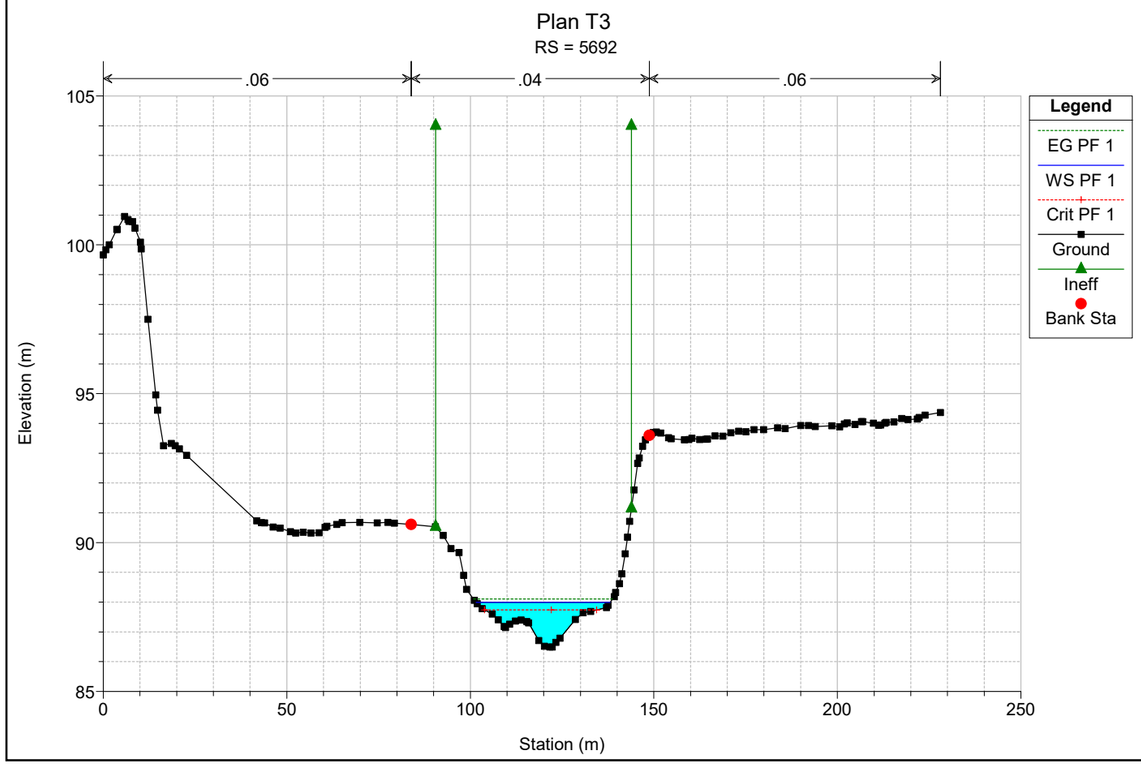

Plan T3
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

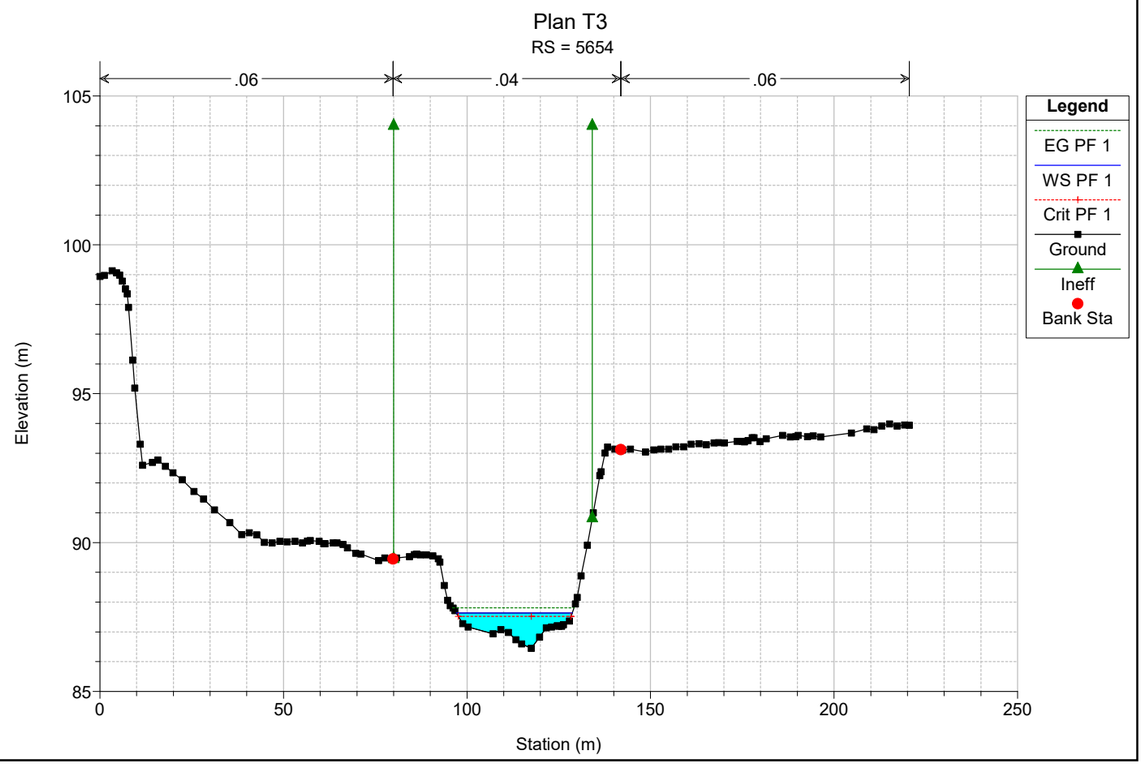

Plan T3
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

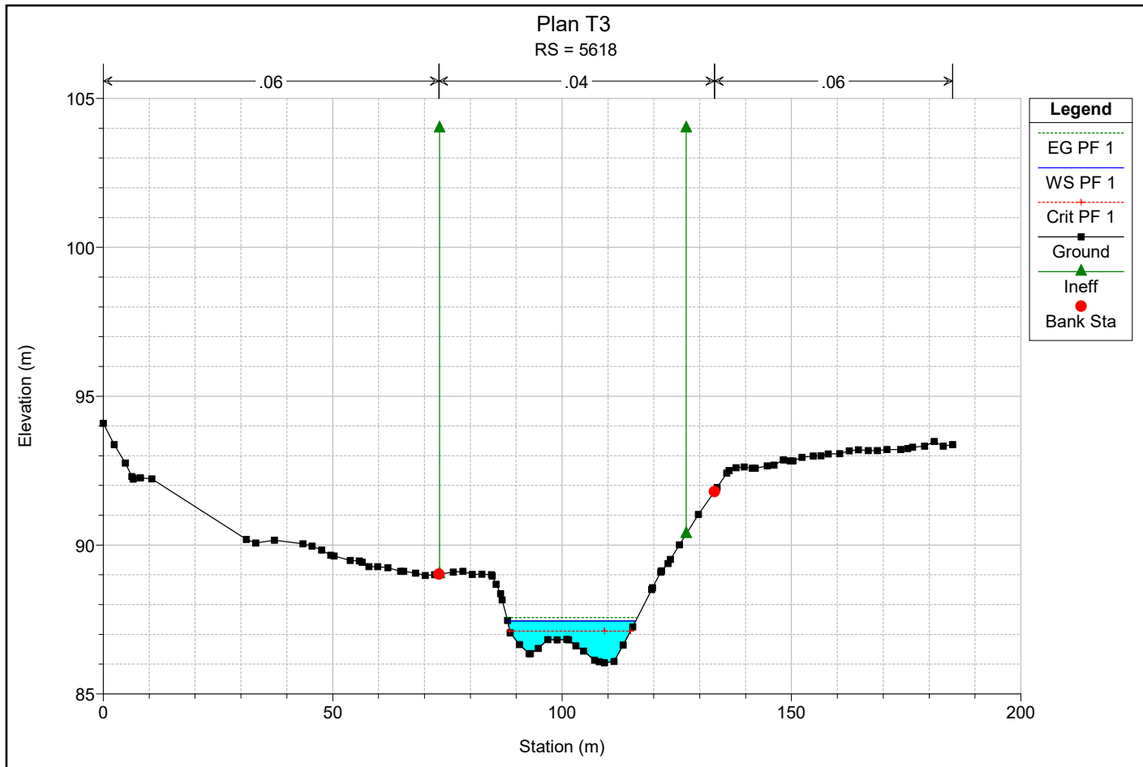

Plan T3
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

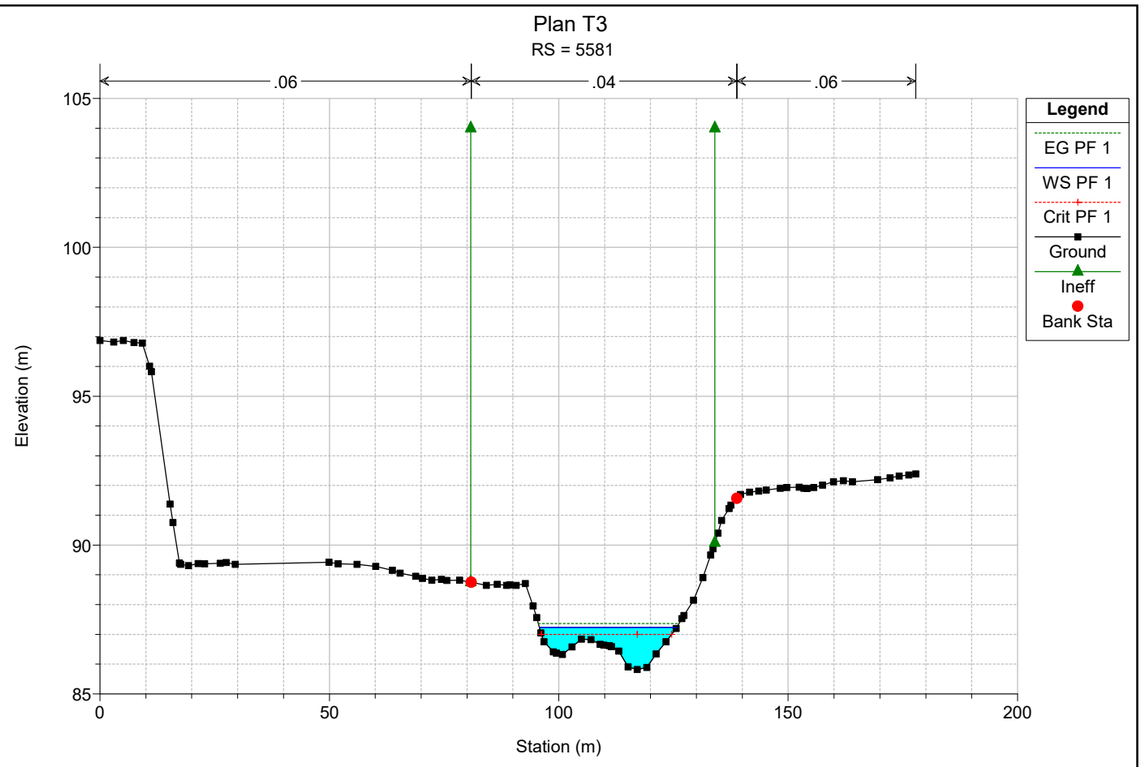

Plan T3
RS = 5763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
104
102
100
98
96
94
92
90
88
86
0
50
100
150
200
250
300

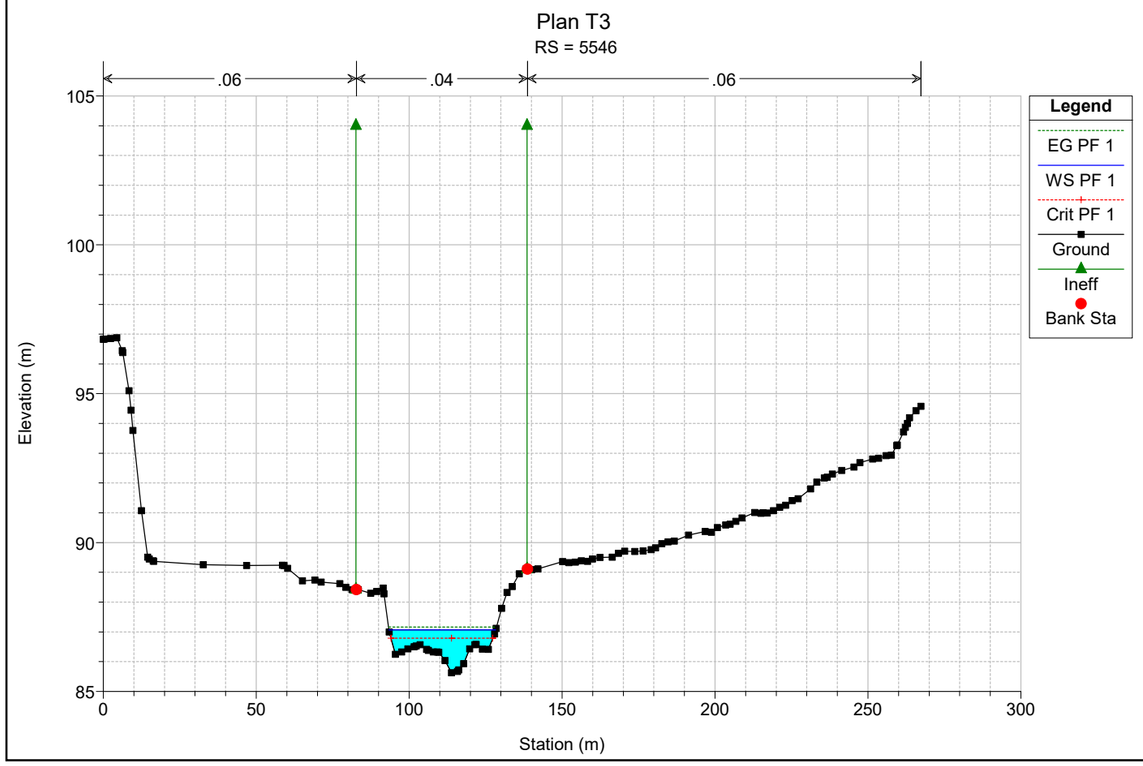

Plan T3
RS = 5724
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
104
102
100
98
96
94
92
90
88
86
0
50
100
150
200
250
300

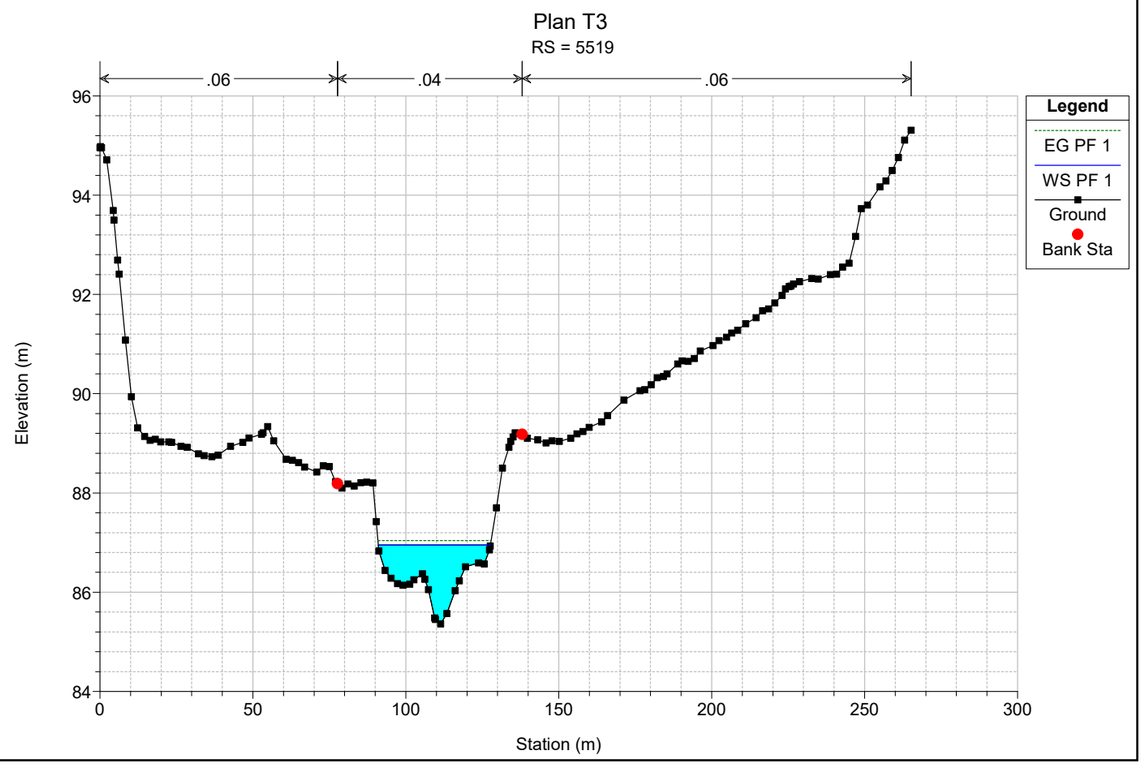

Plan T3
RS = 5692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

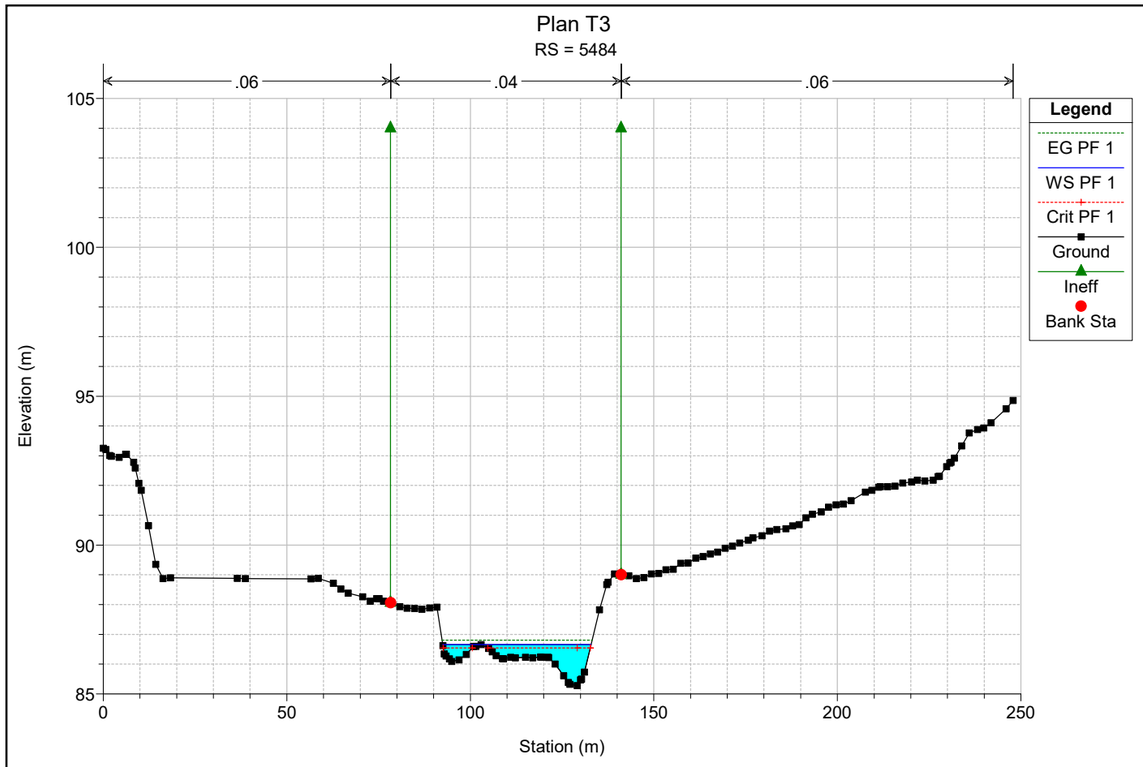

Plan T3
RS = 5654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

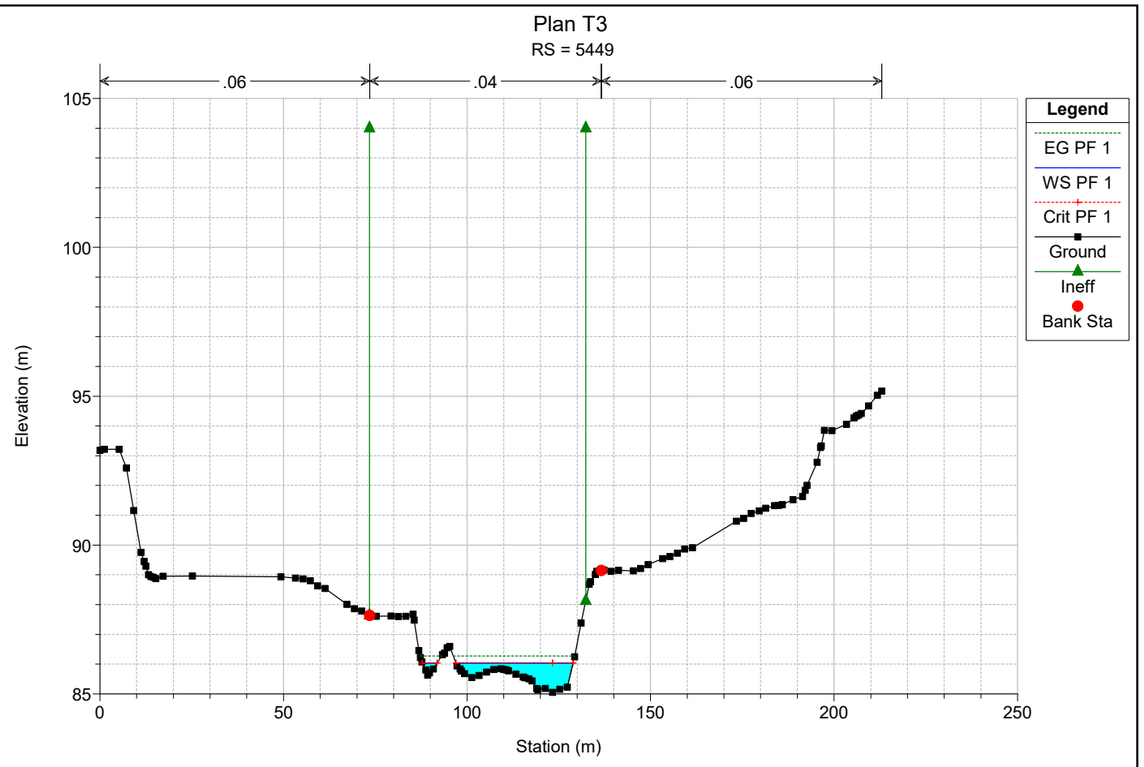

Plan T3
RS = 5618
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200

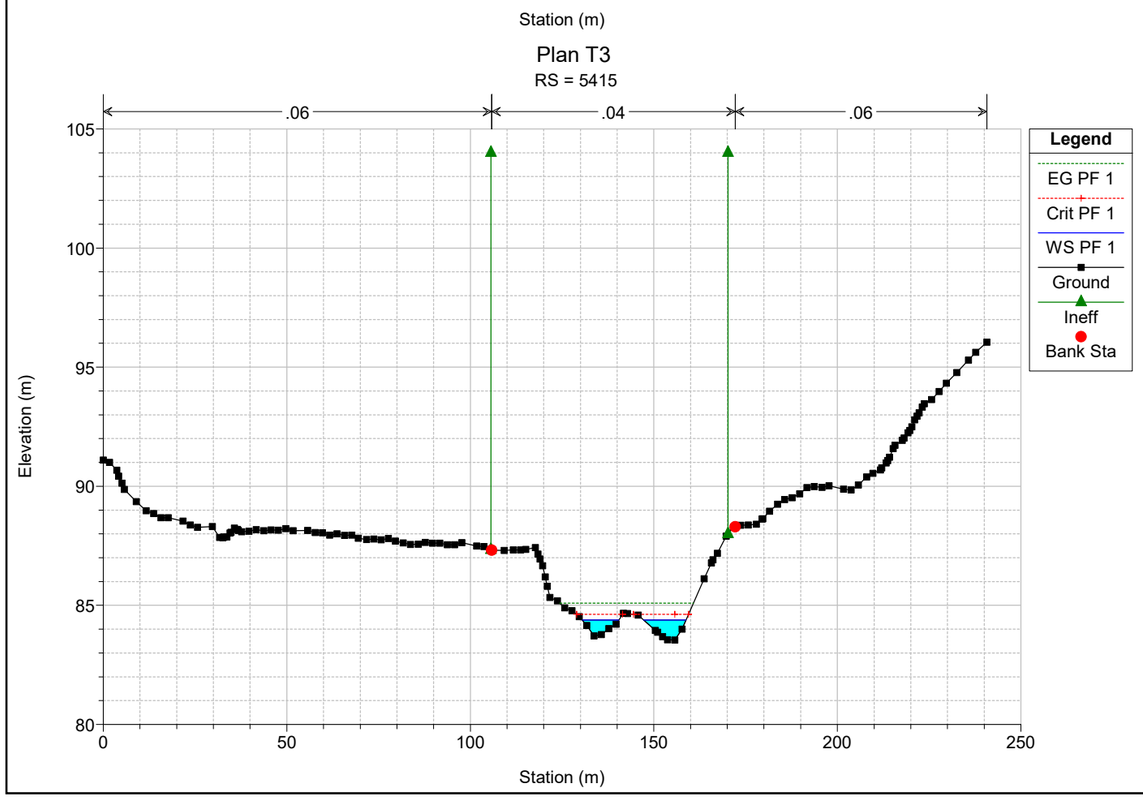

Plan T3
RS = 5581
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200

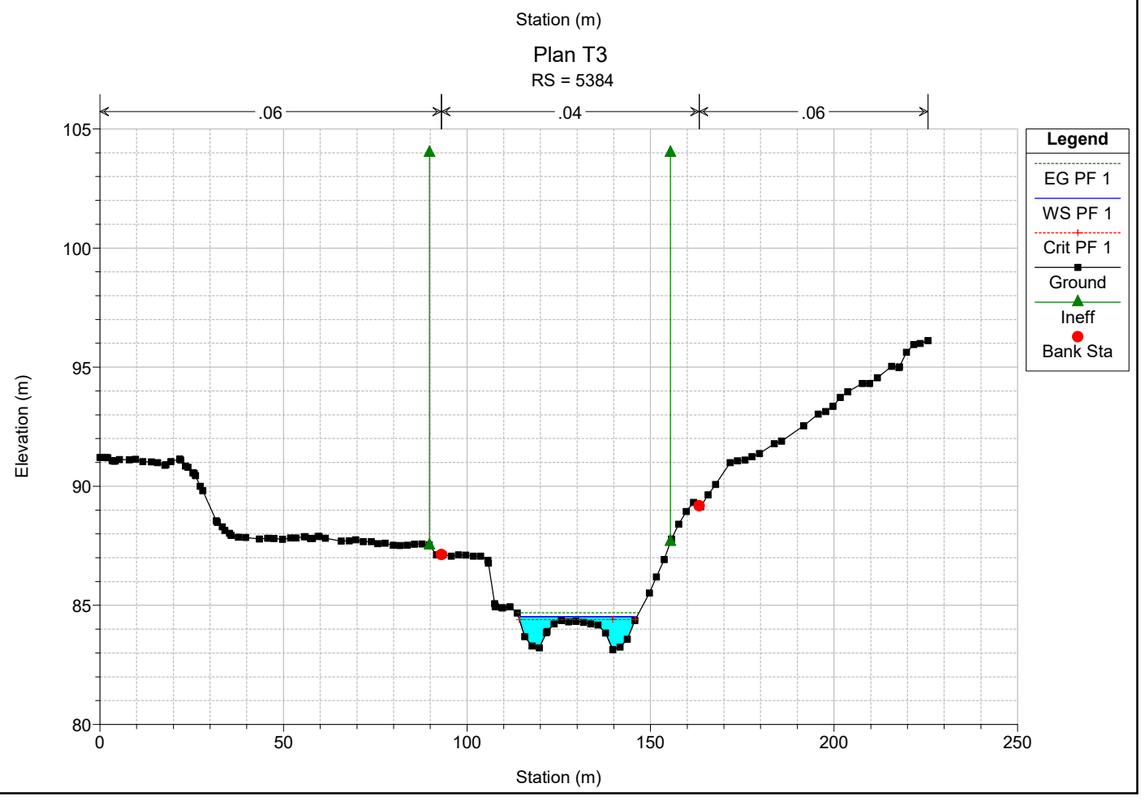

Plan T3
RS = 5546
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250
300

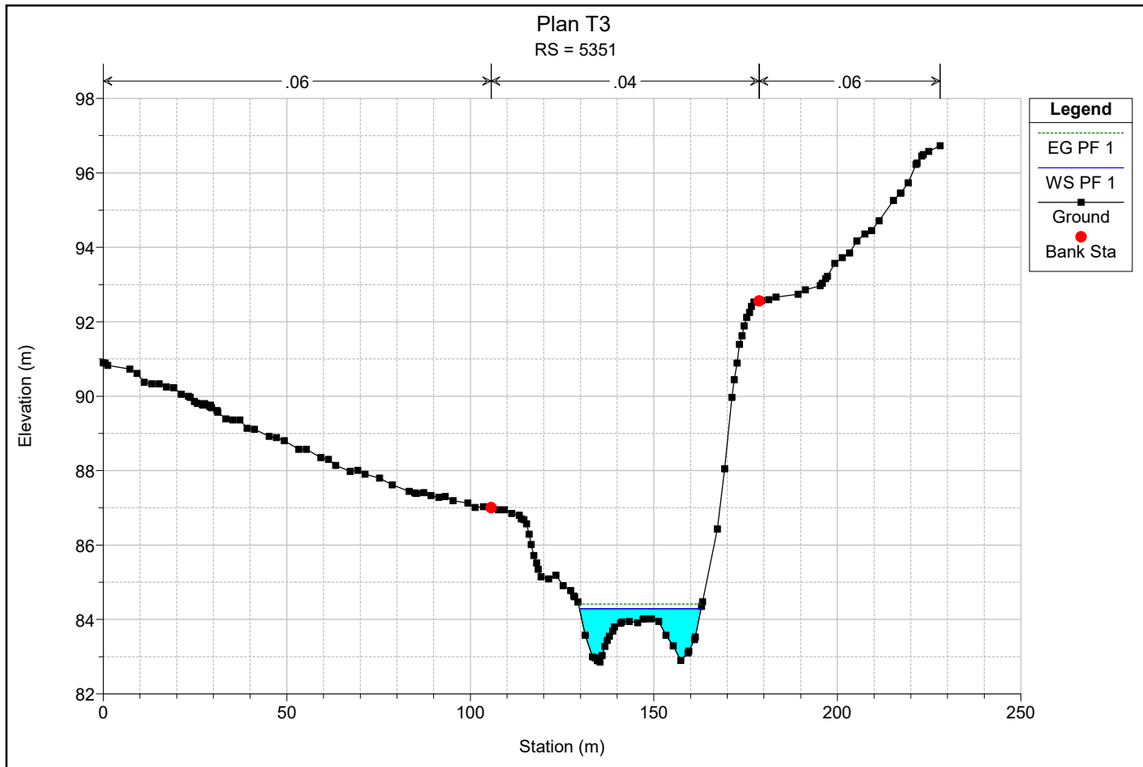

Plan T3
RS = 5519
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
96
94
92
90
88
86
84
0
50
100
150
200
250
300

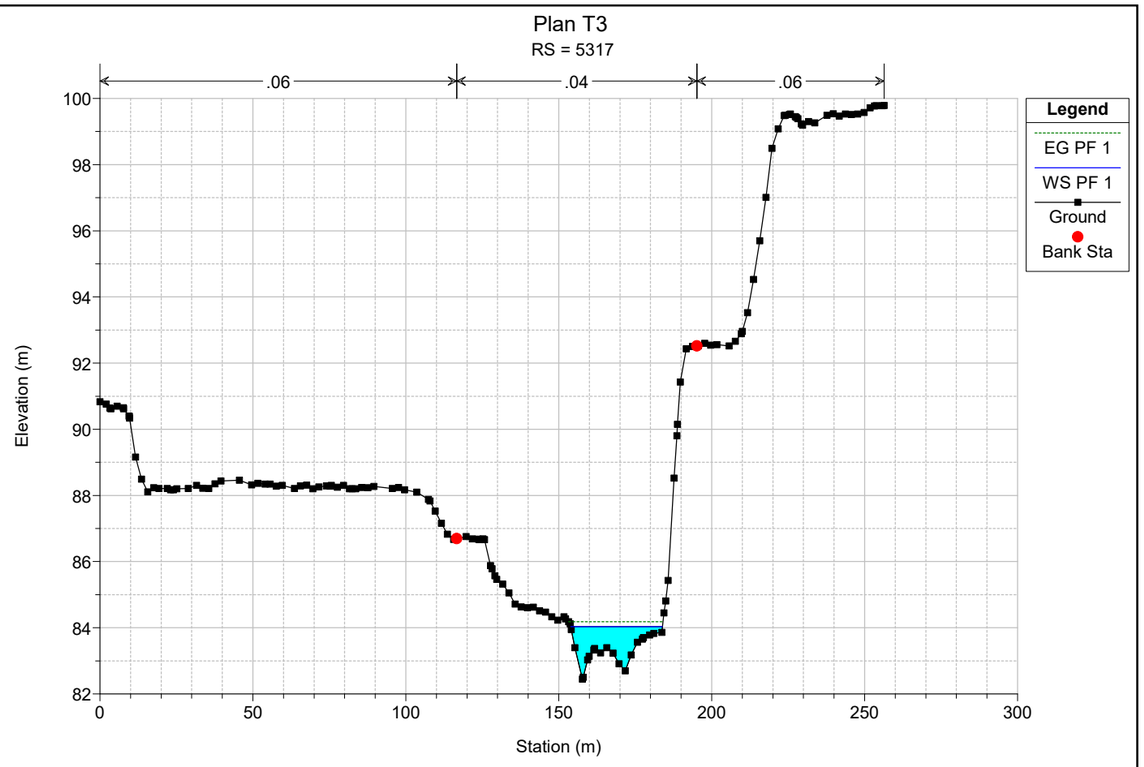

Plan T3
RS = 5484
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

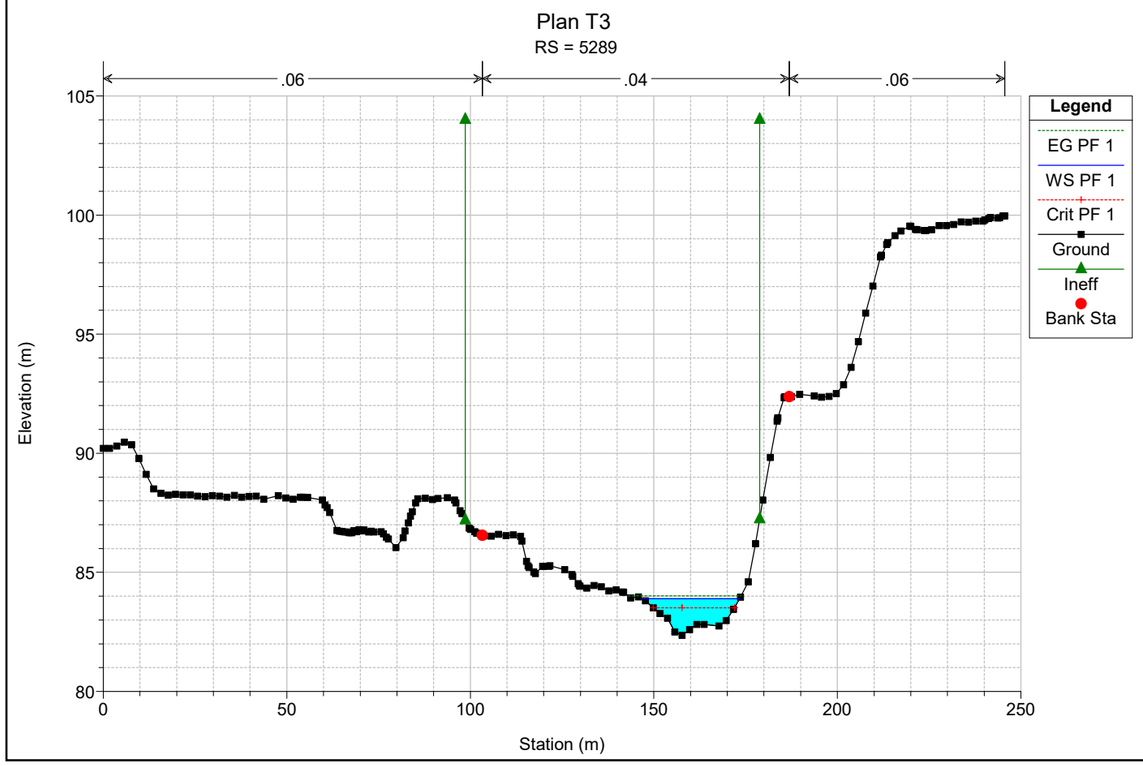

Plan T3
RS = 5449
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

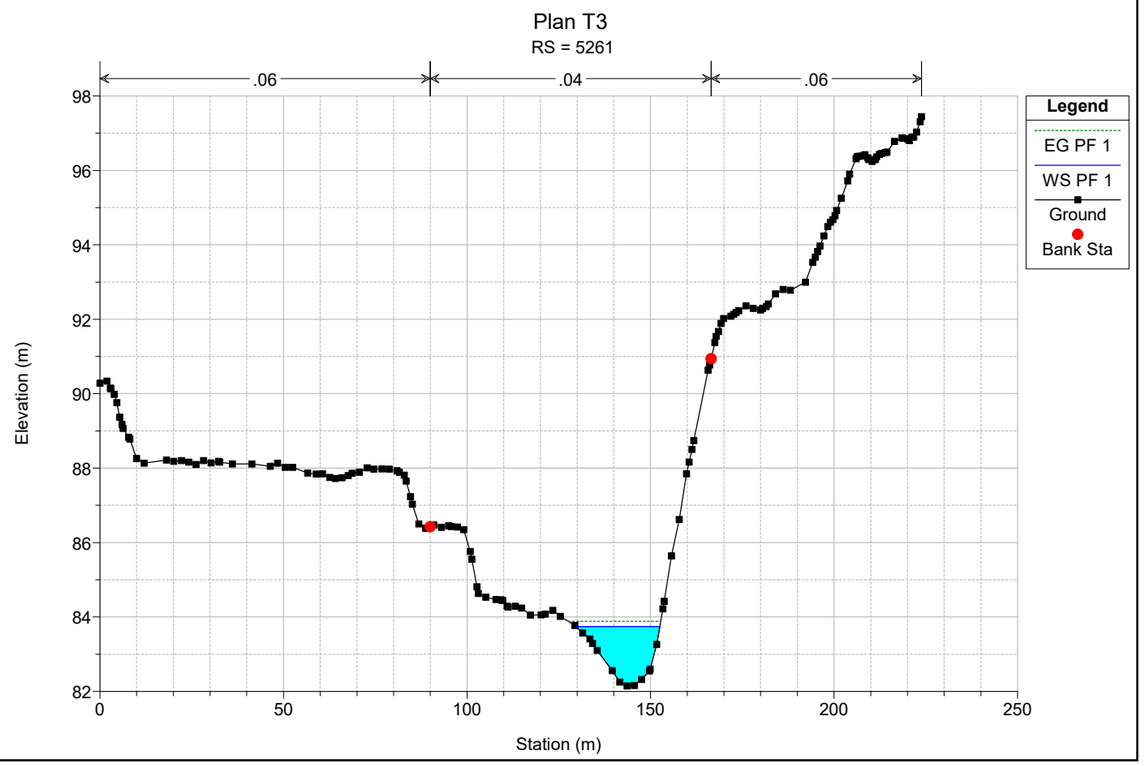

Plan T3
RS = 5415
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

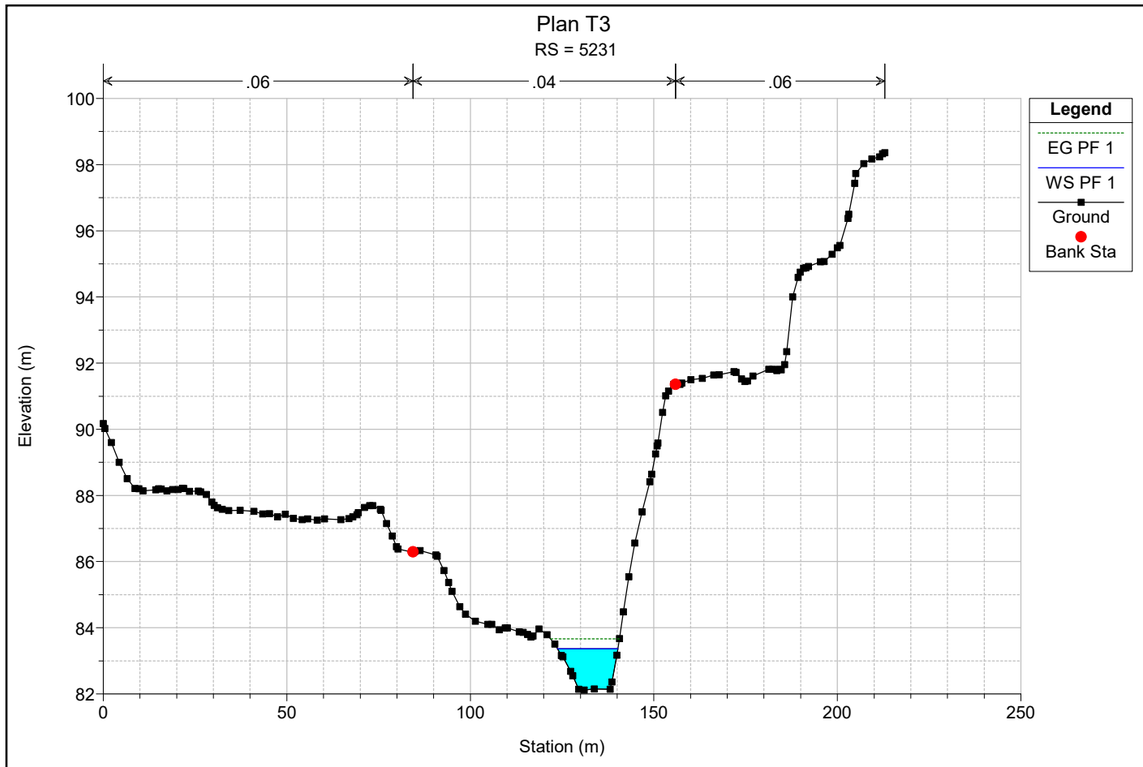

Plan T3
RS = 5384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

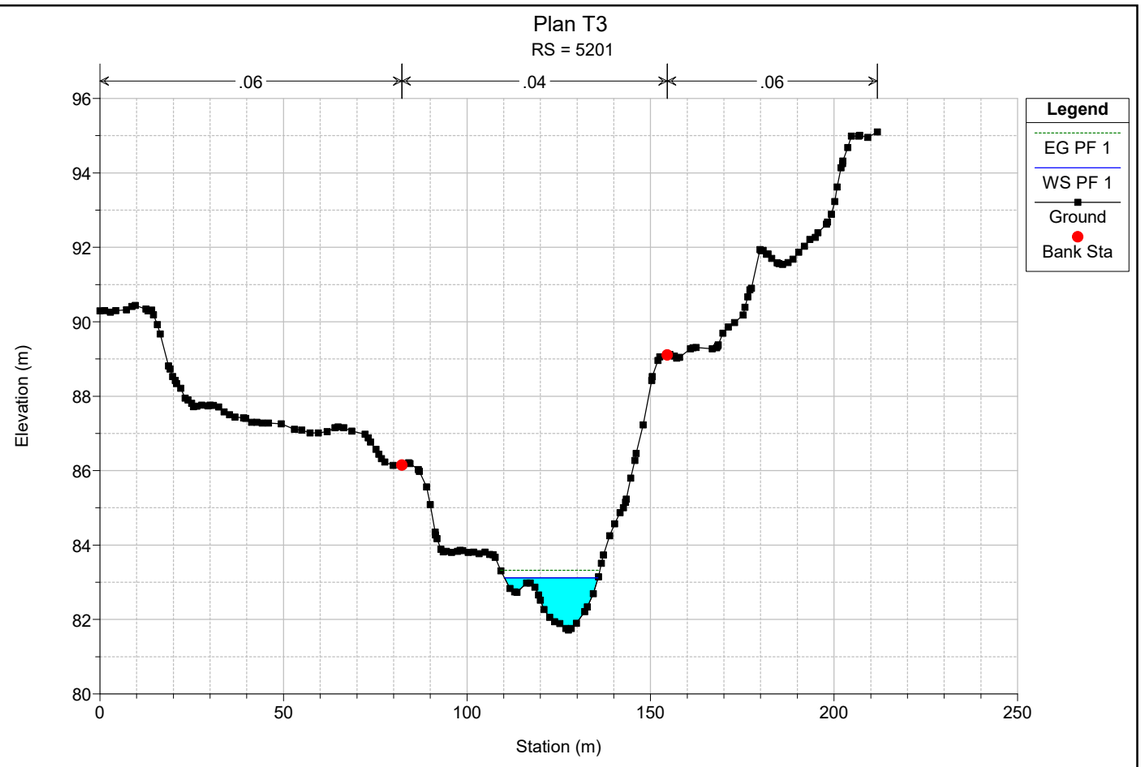

Plan T3
RS = 5351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

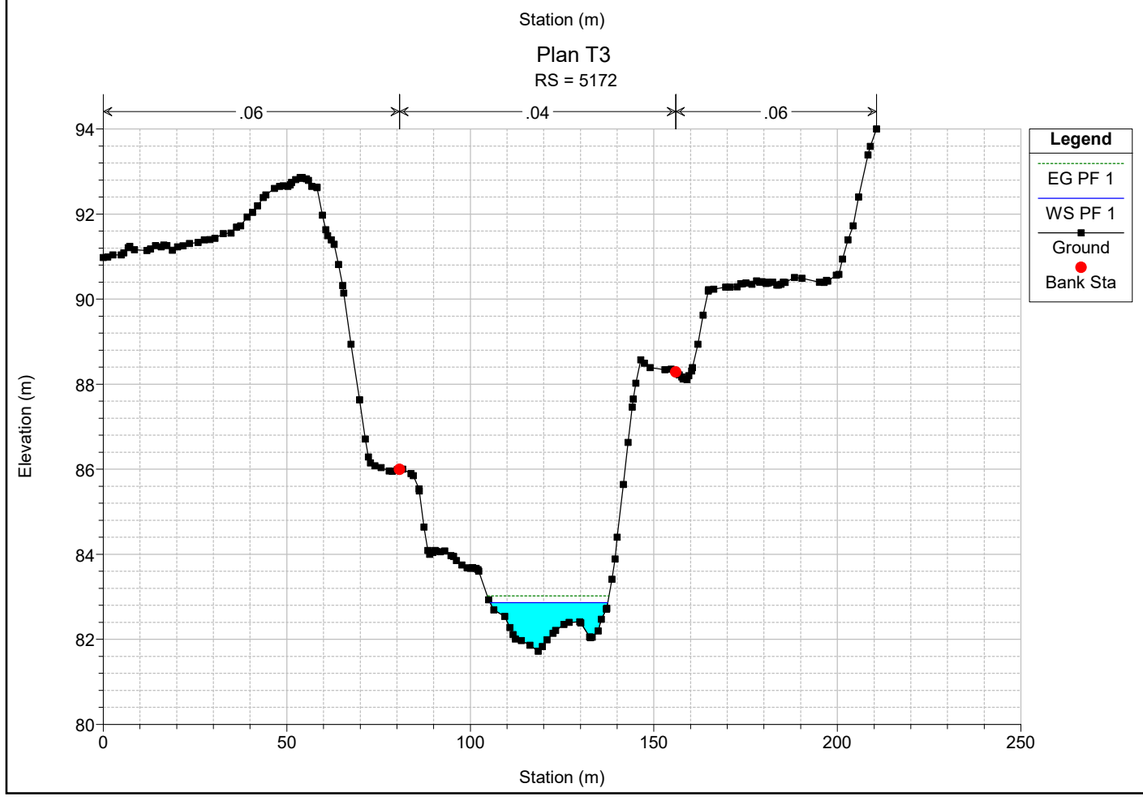

Plan T3
RS = 5317
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

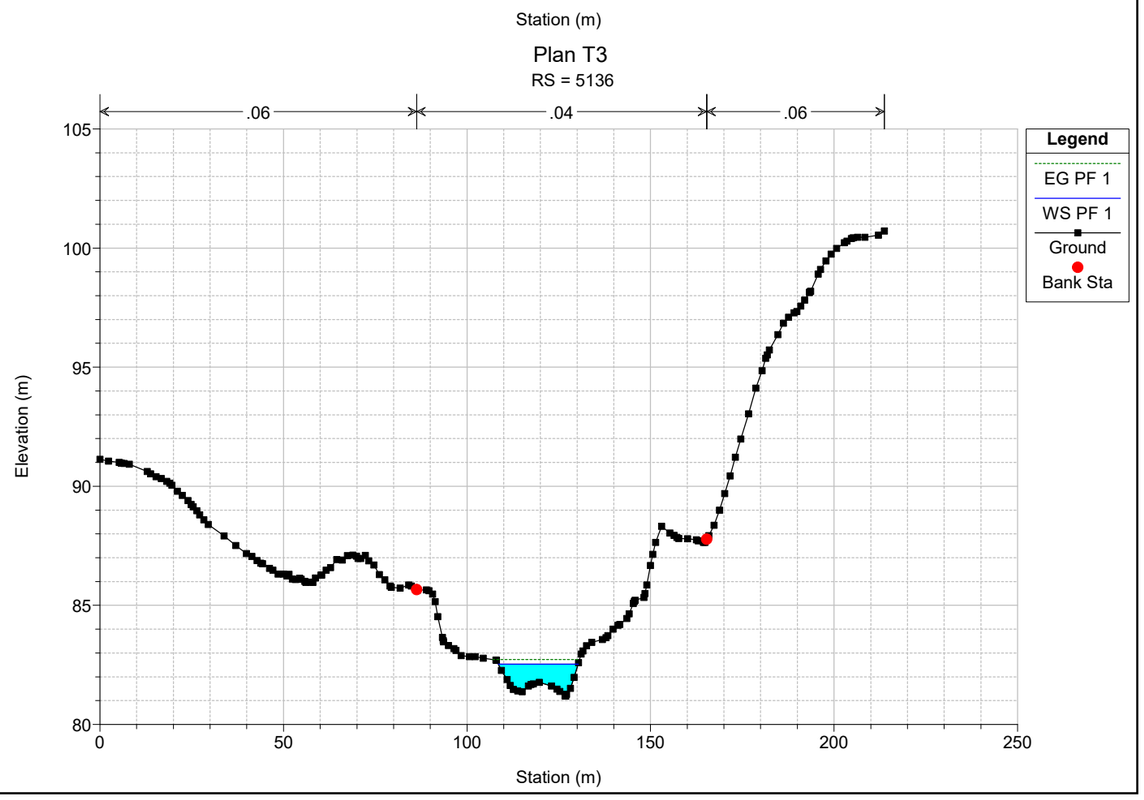

Plan T3
RS = 5289
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

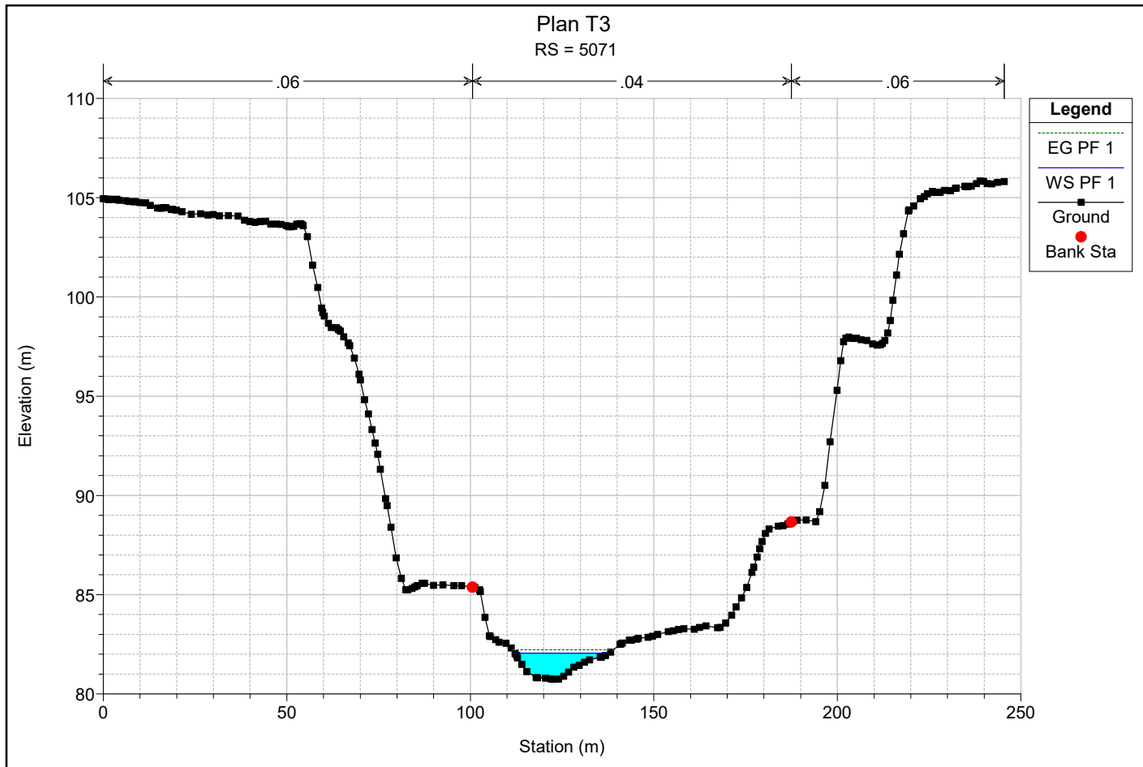

Plan T3
RS = 5261
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

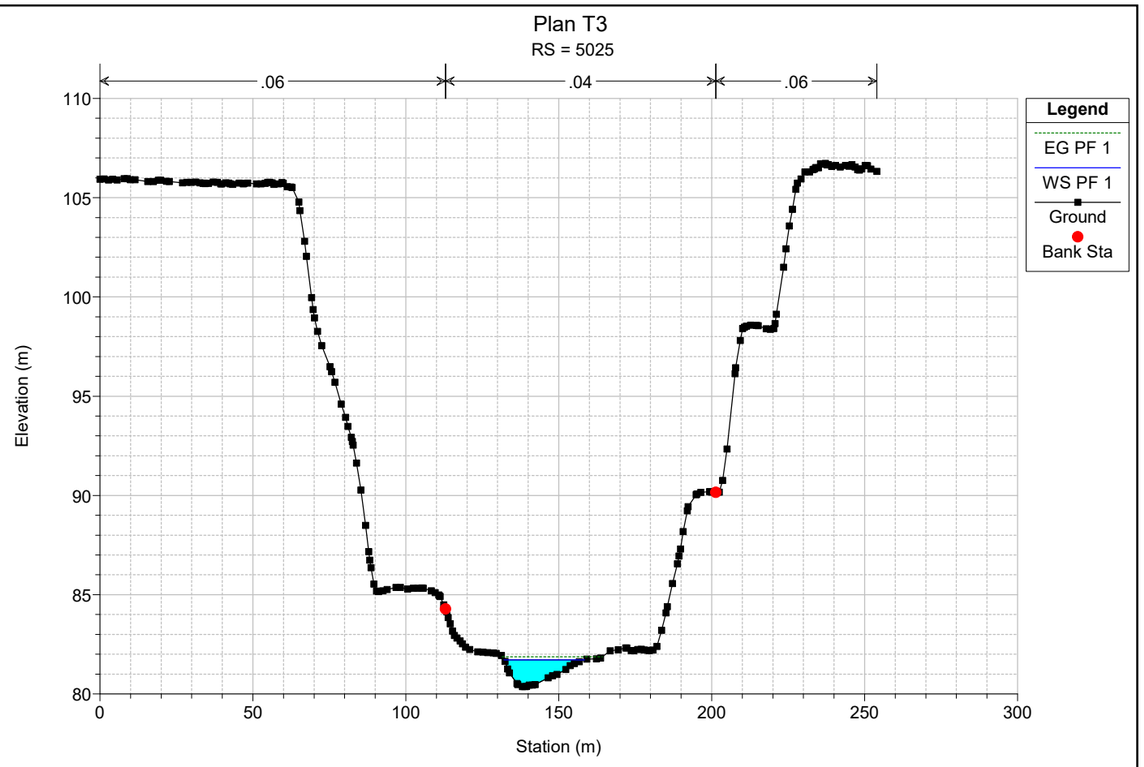

Plan T3
RS = 5231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

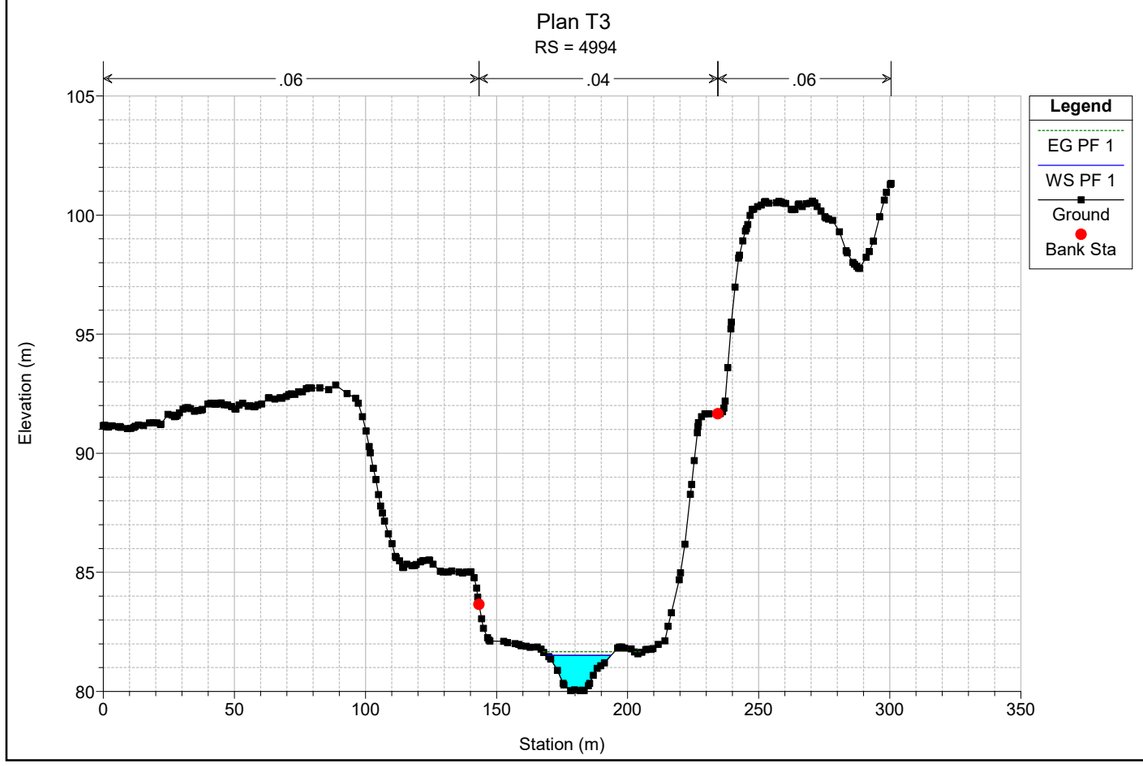

Plan T3
RS = 5201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

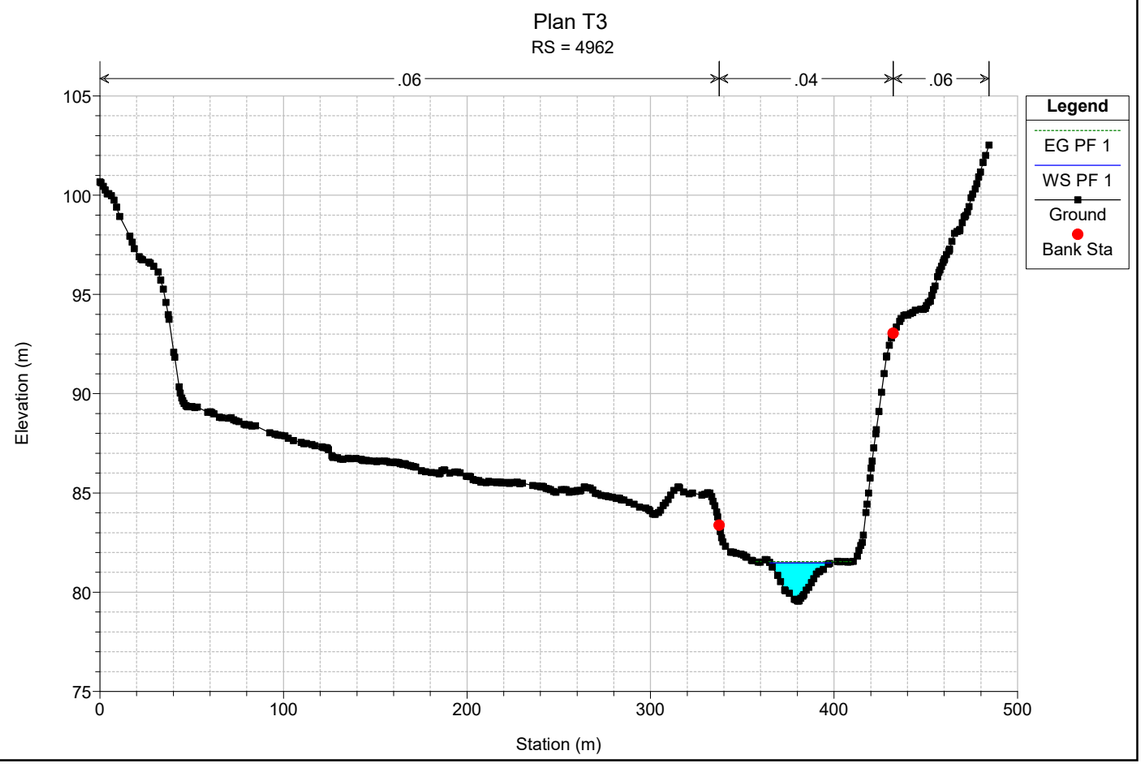

Plan T3
RS = 5172
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

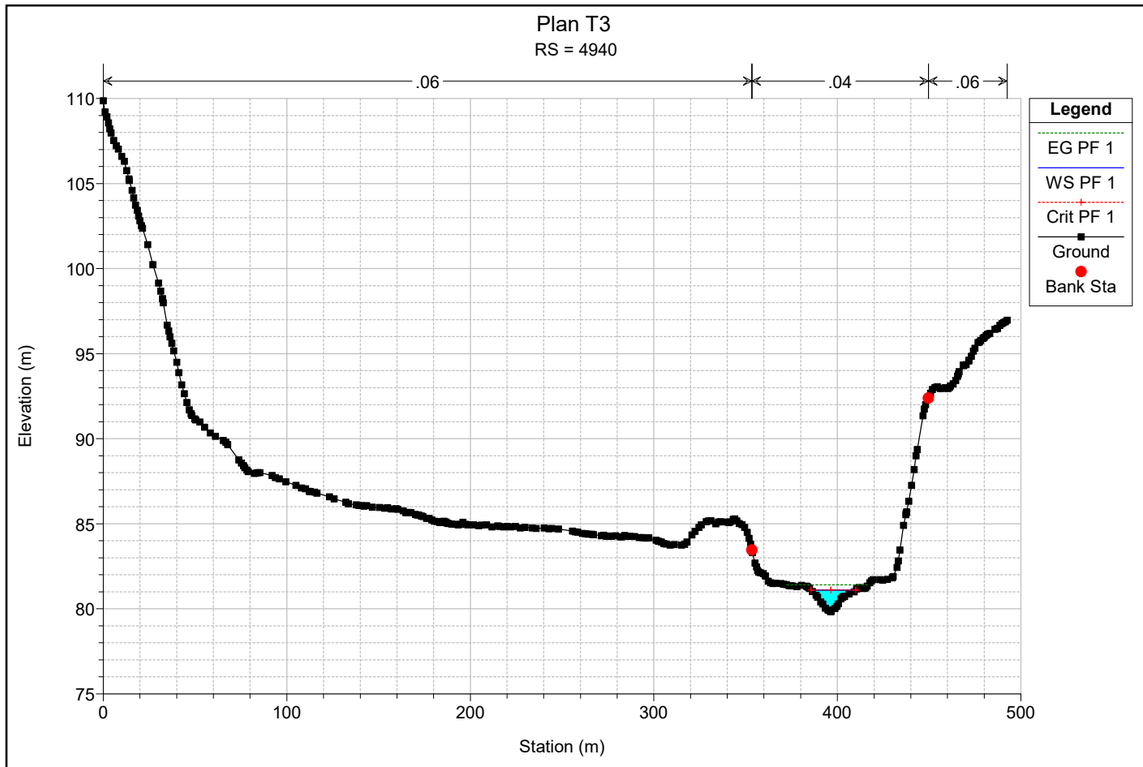

Plan T3
RS = 5136
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

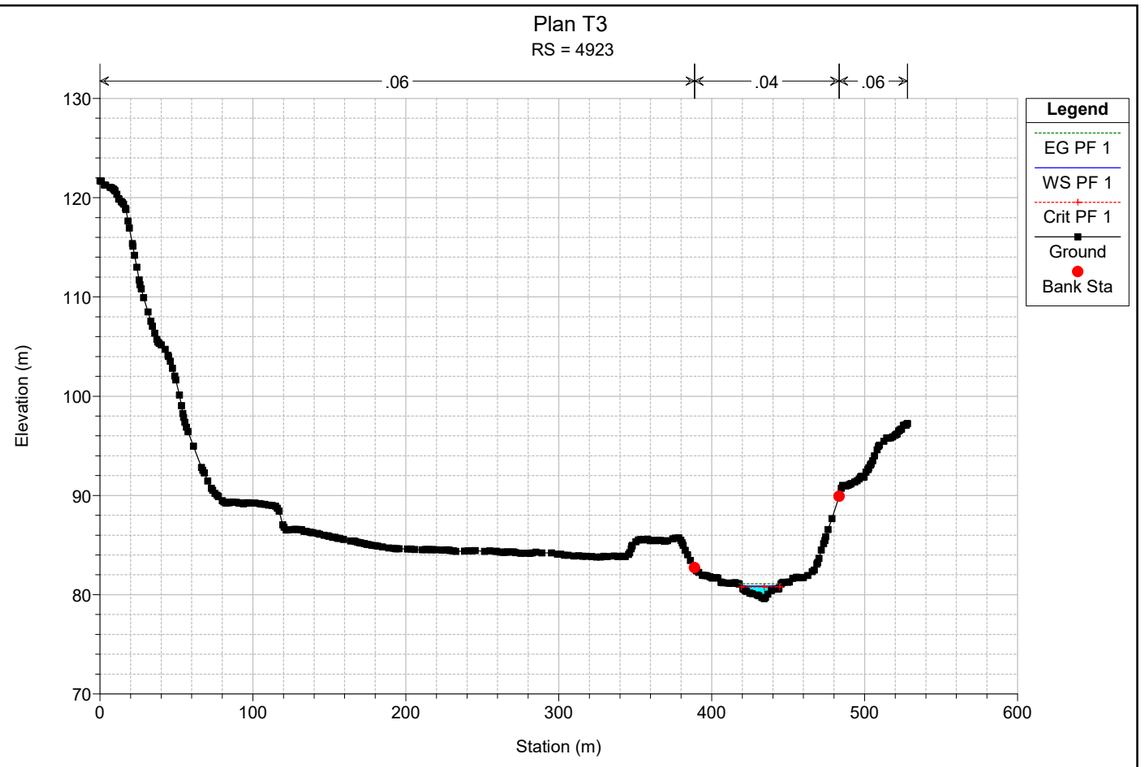

Plan T3
RS = 5071
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
0
50
100
150
200
250

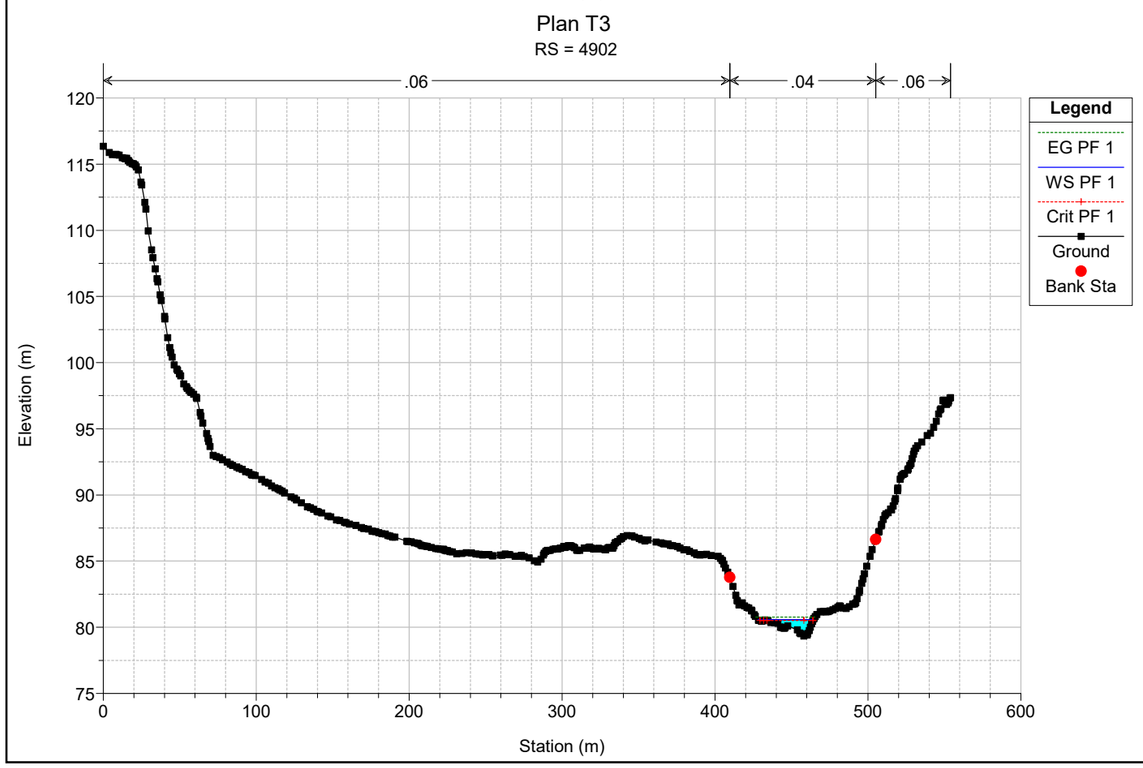

Plan T3
RS = 5025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
0
50
100
150
200
250
300

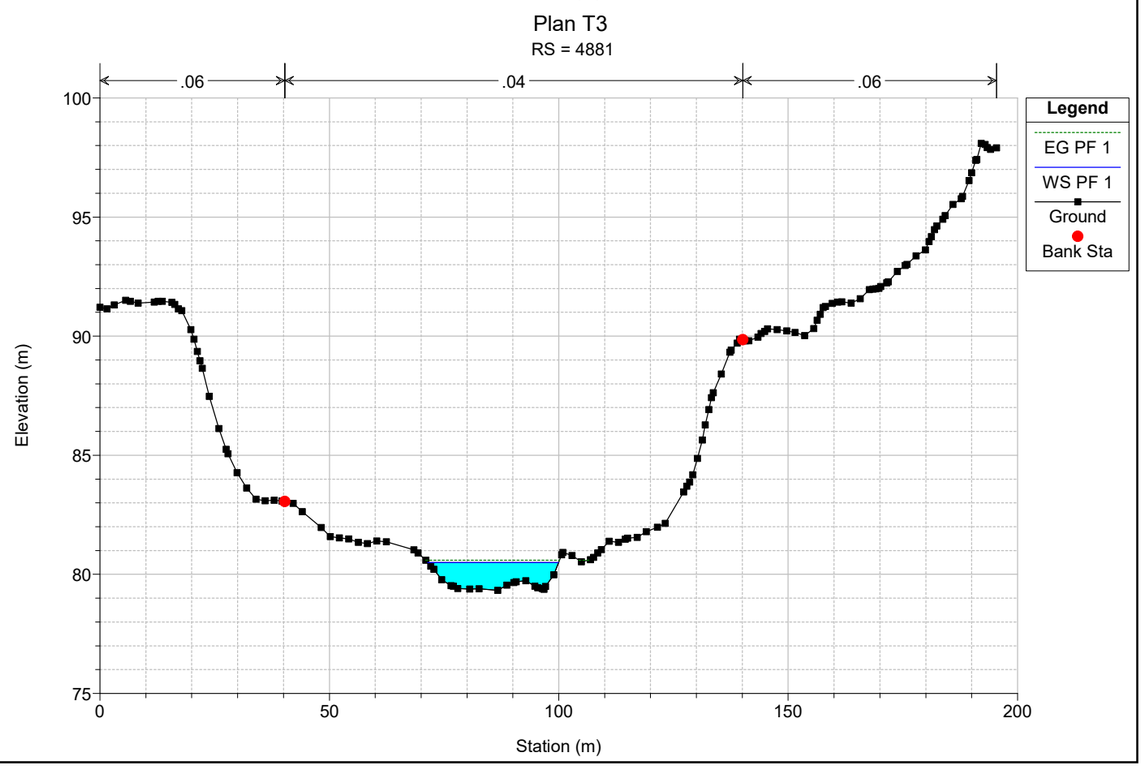

Plan T3
RS = 4994
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250
300
350

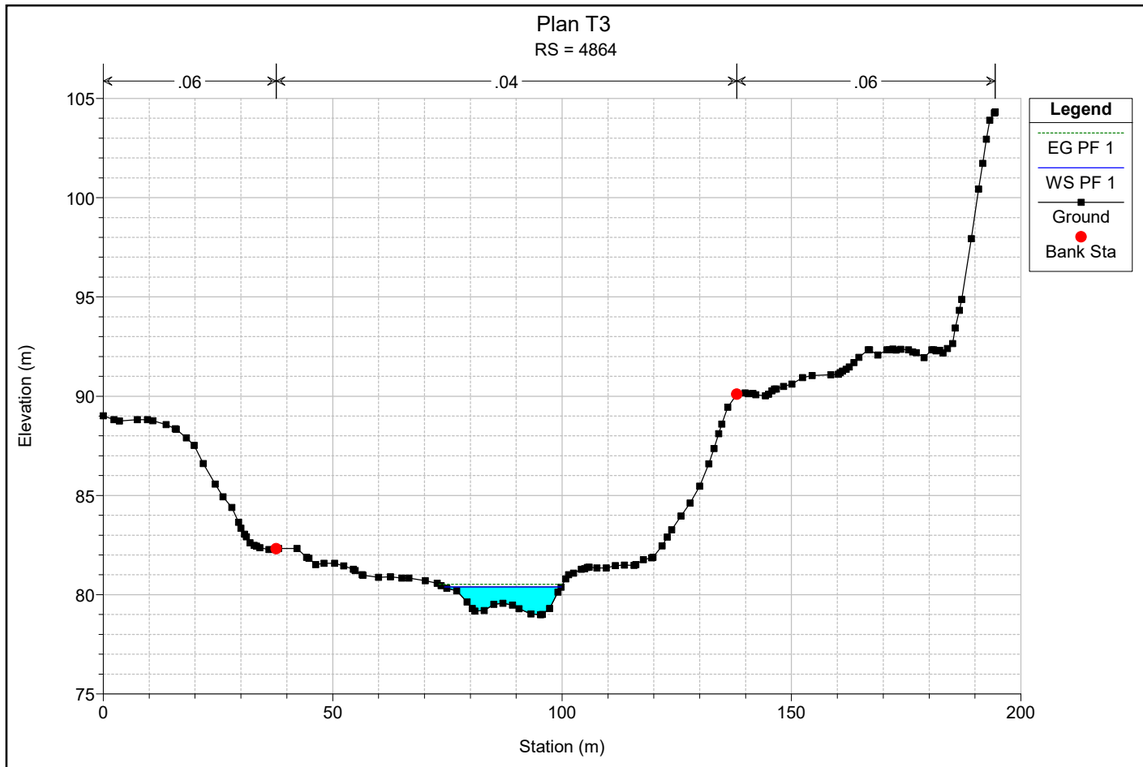

Plan T3
RS = 4962
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
100
200
300
400
500

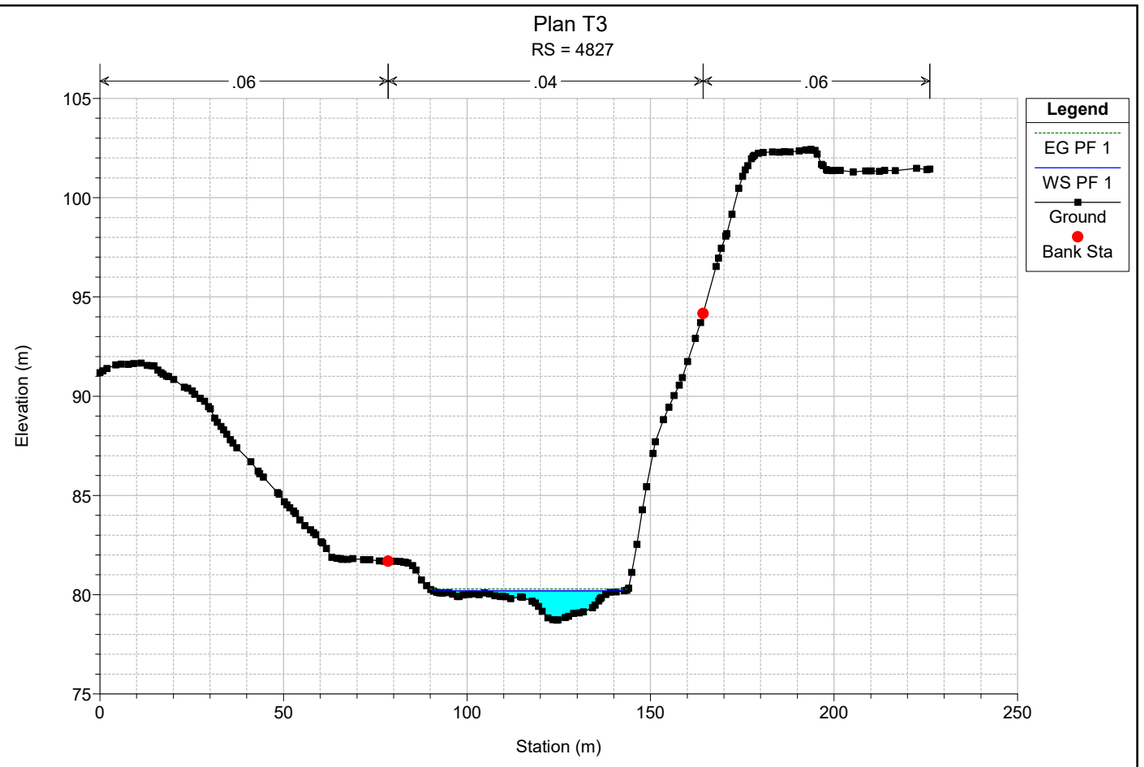

Plan T3
RS = 4940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

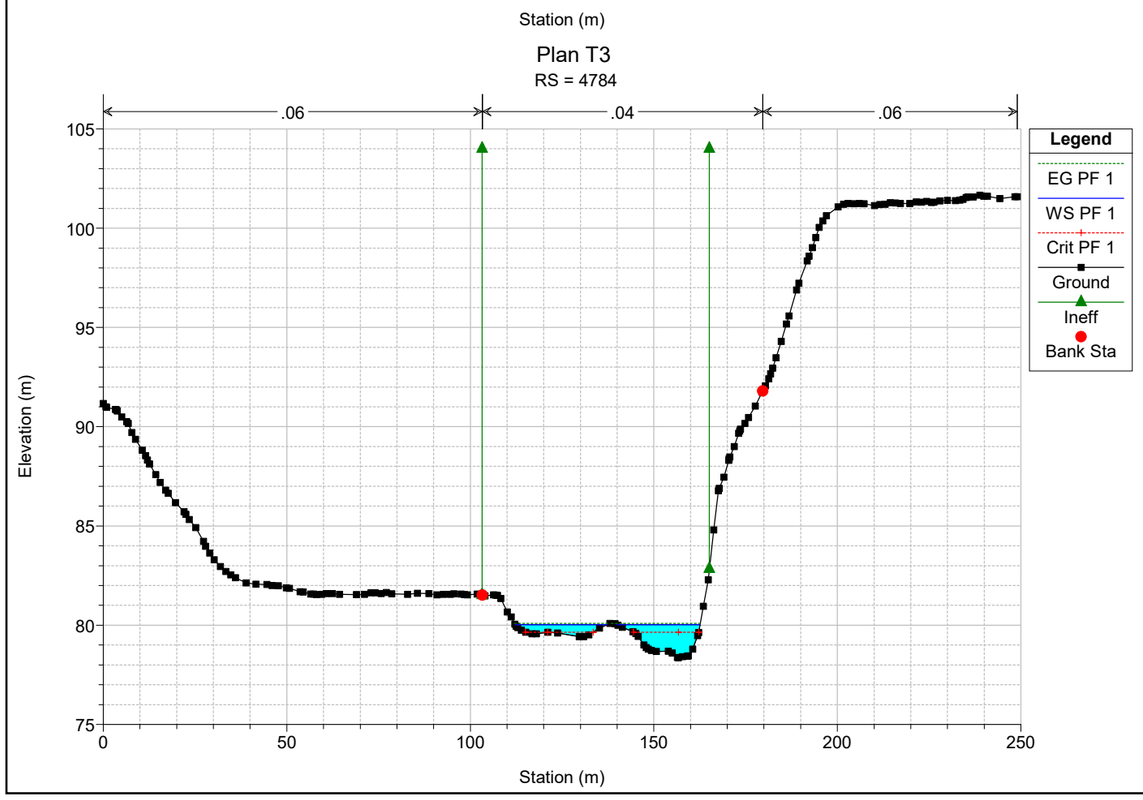

Plan T3
RS = 4923
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

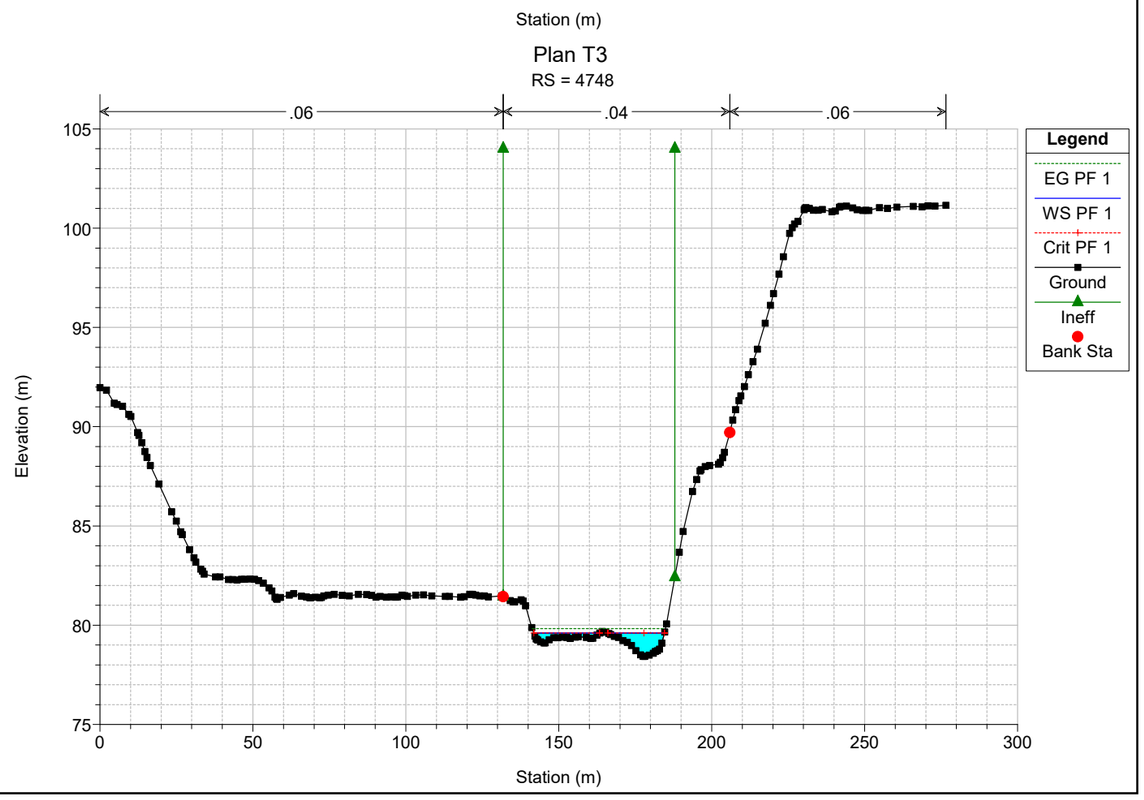

Plan T3
RS = 4902
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

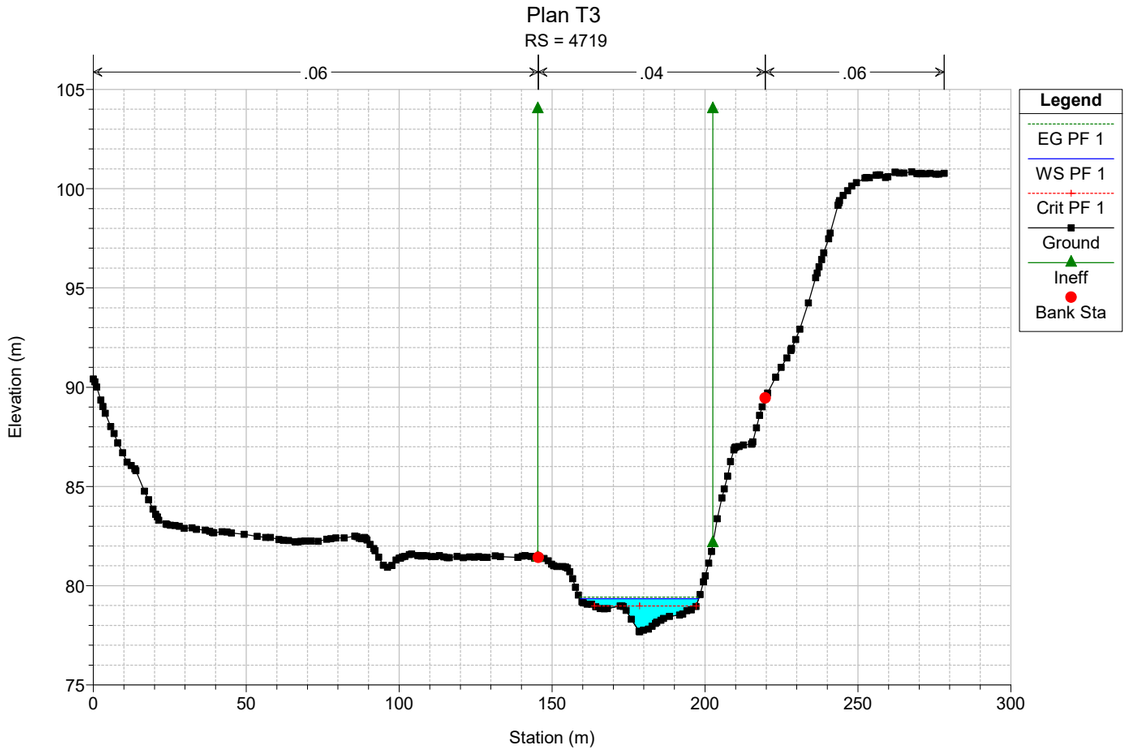

Plan T3
RS = 4881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

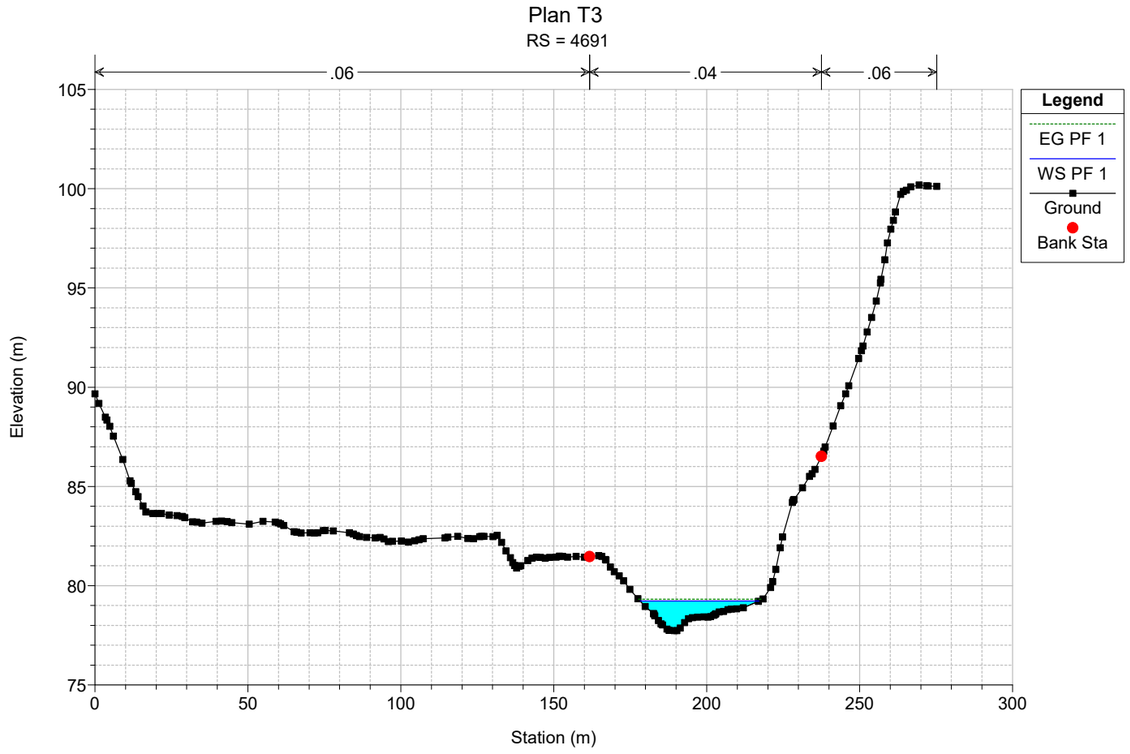

Plan T3
RS = 4864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

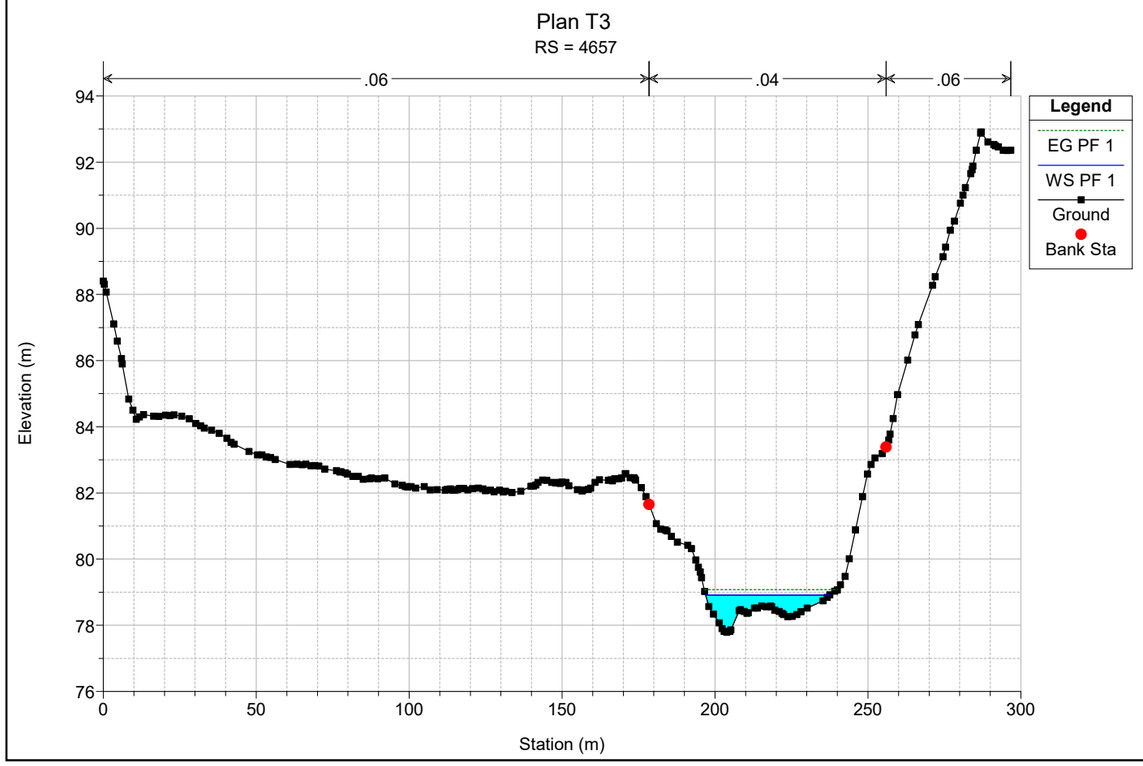

Plan T3
RS = 4827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

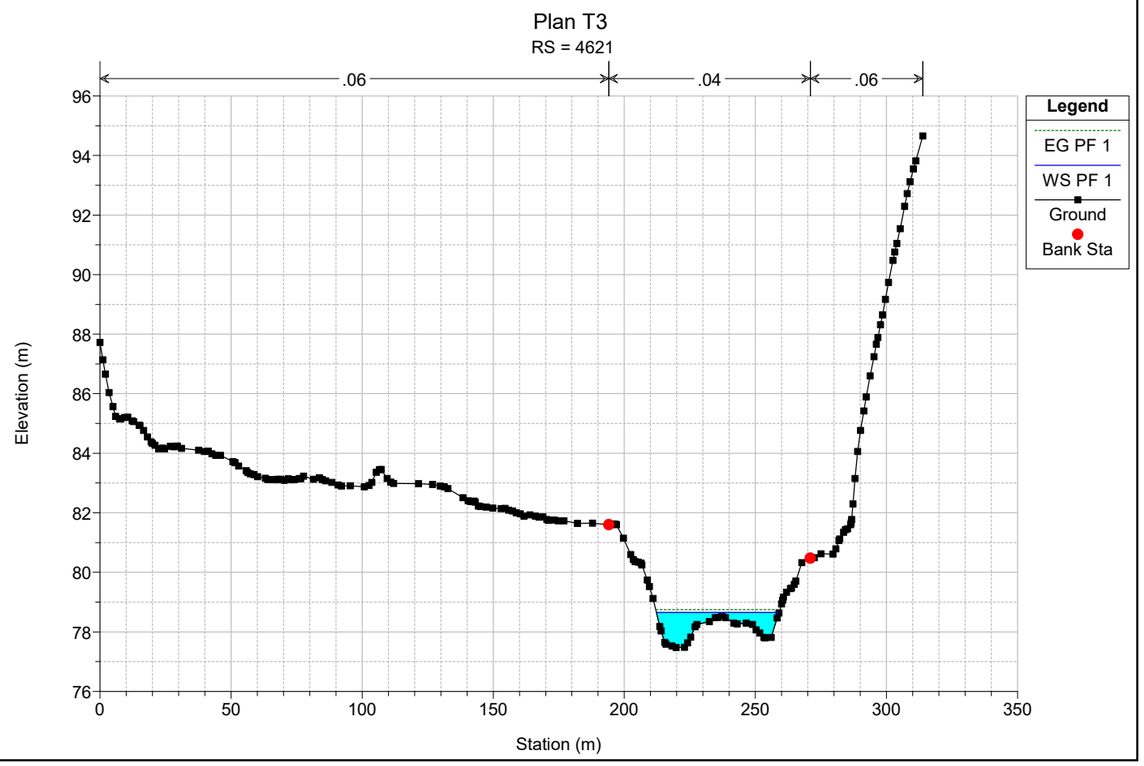

Plan T3
RS = 4784
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

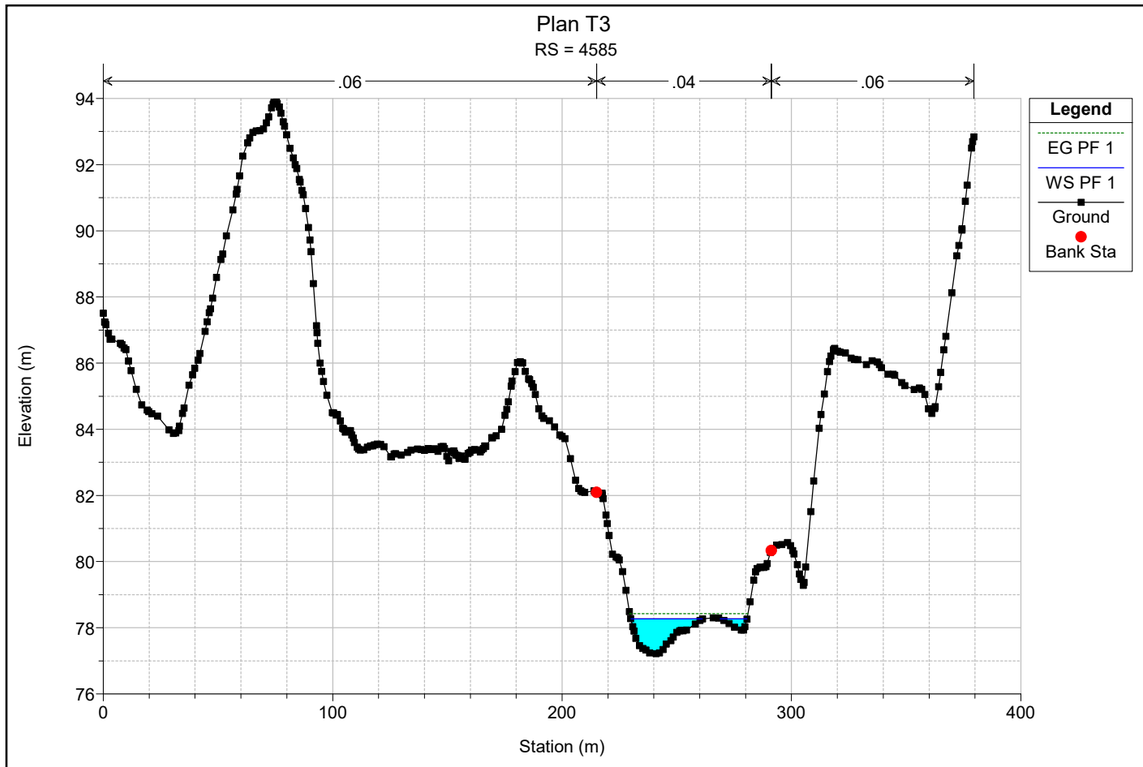

Plan T3
RS = 4748
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

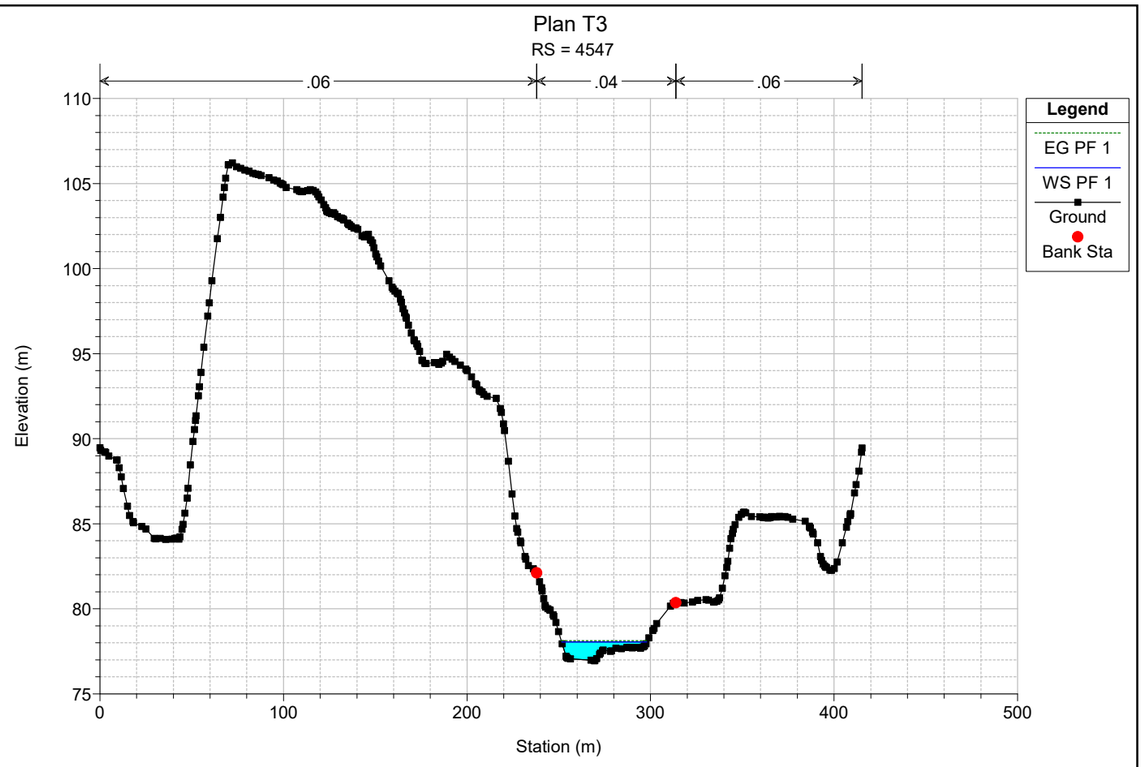

Plan T3
RS = 4719
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

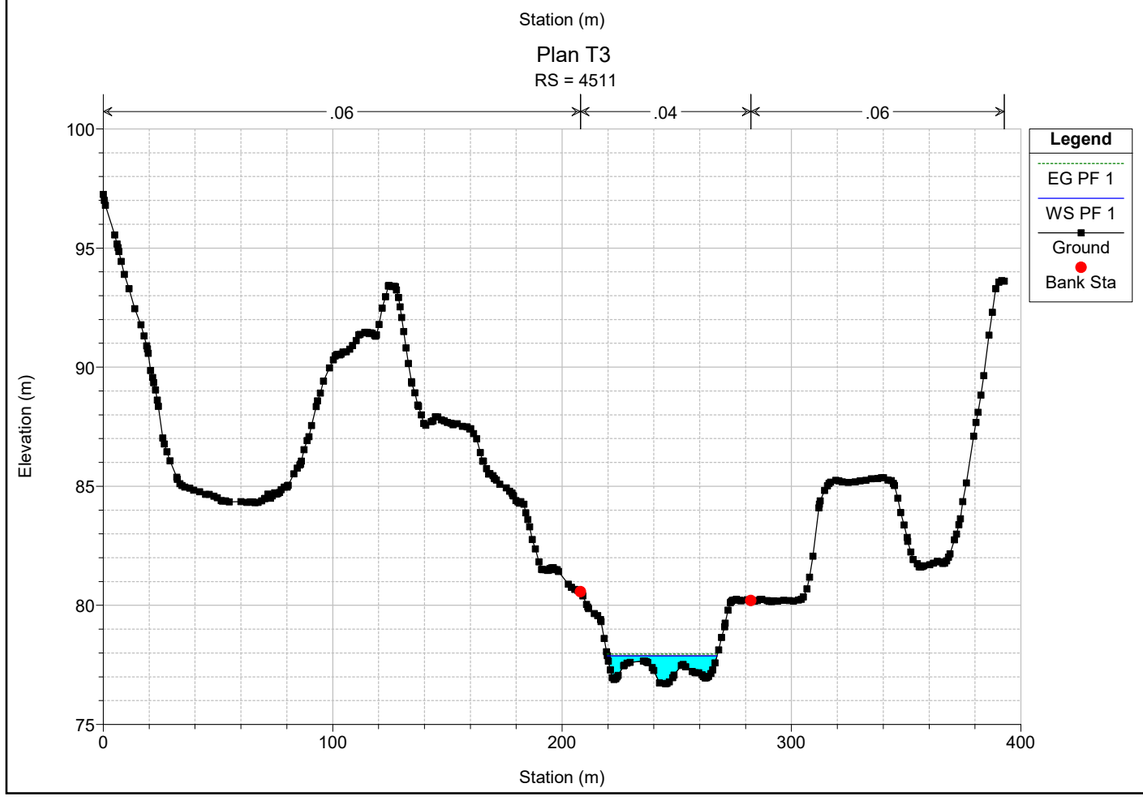

Plan T3
RS = 4691
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

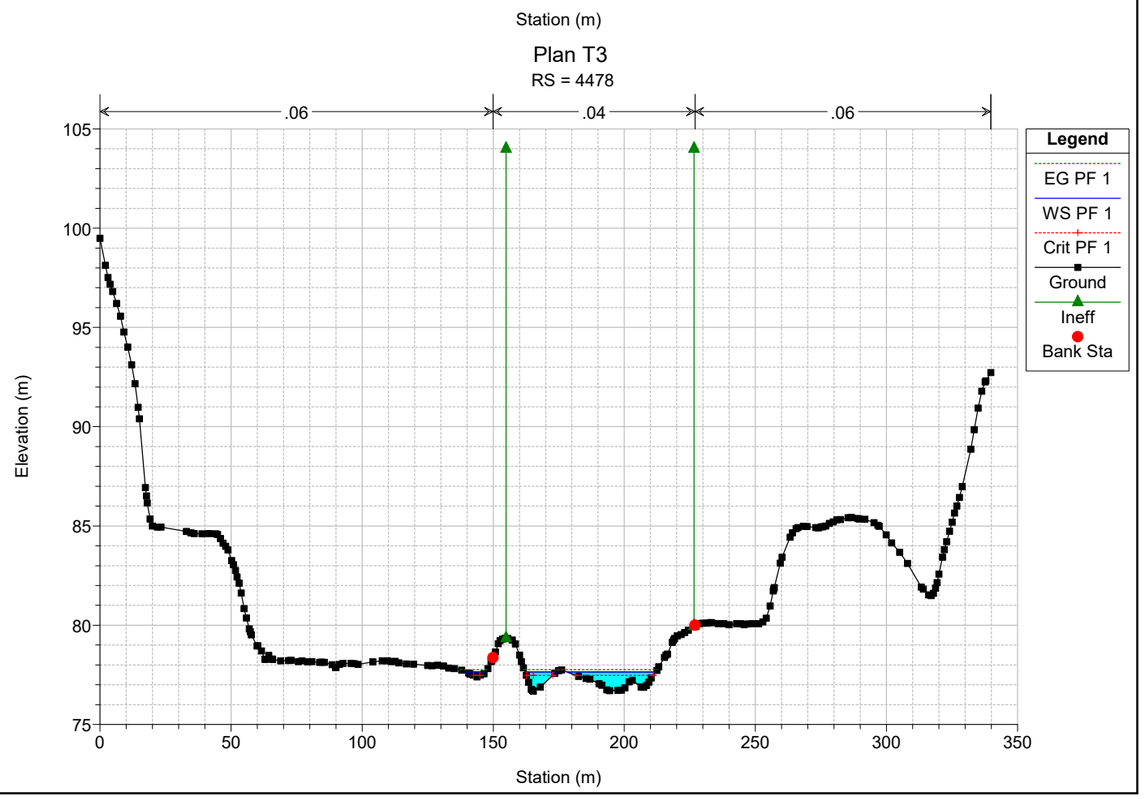

Plan T3
RS = 4657
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

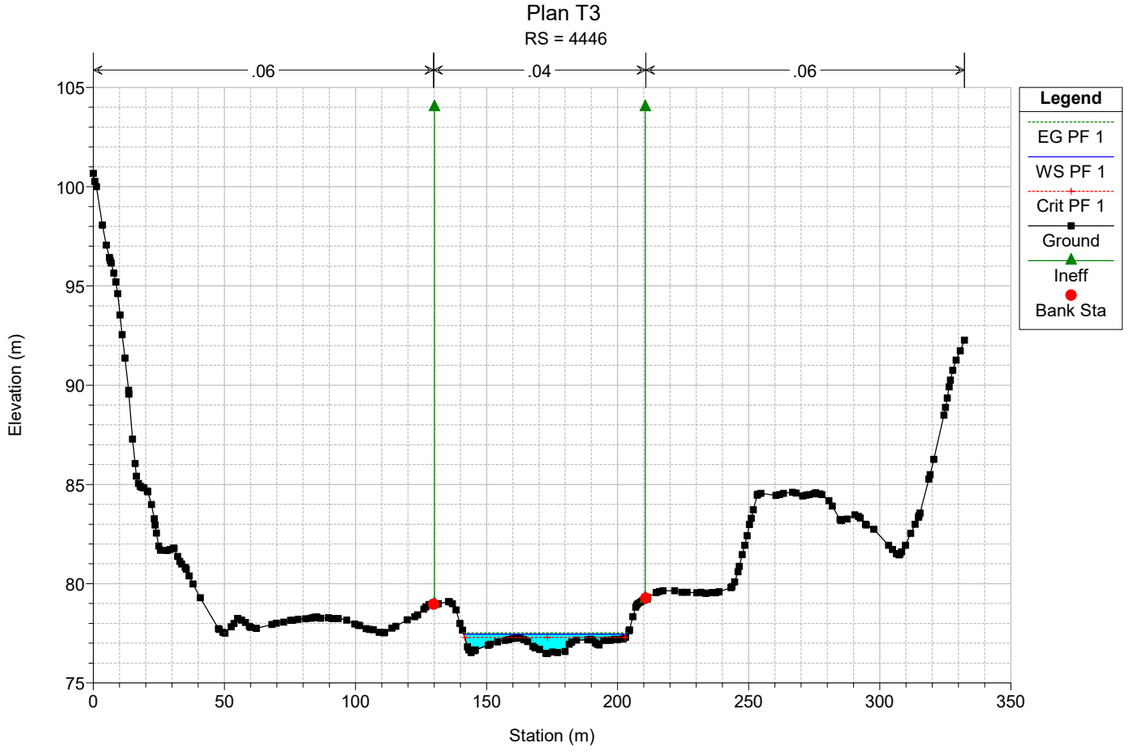

Plan T3
RS = 4621
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

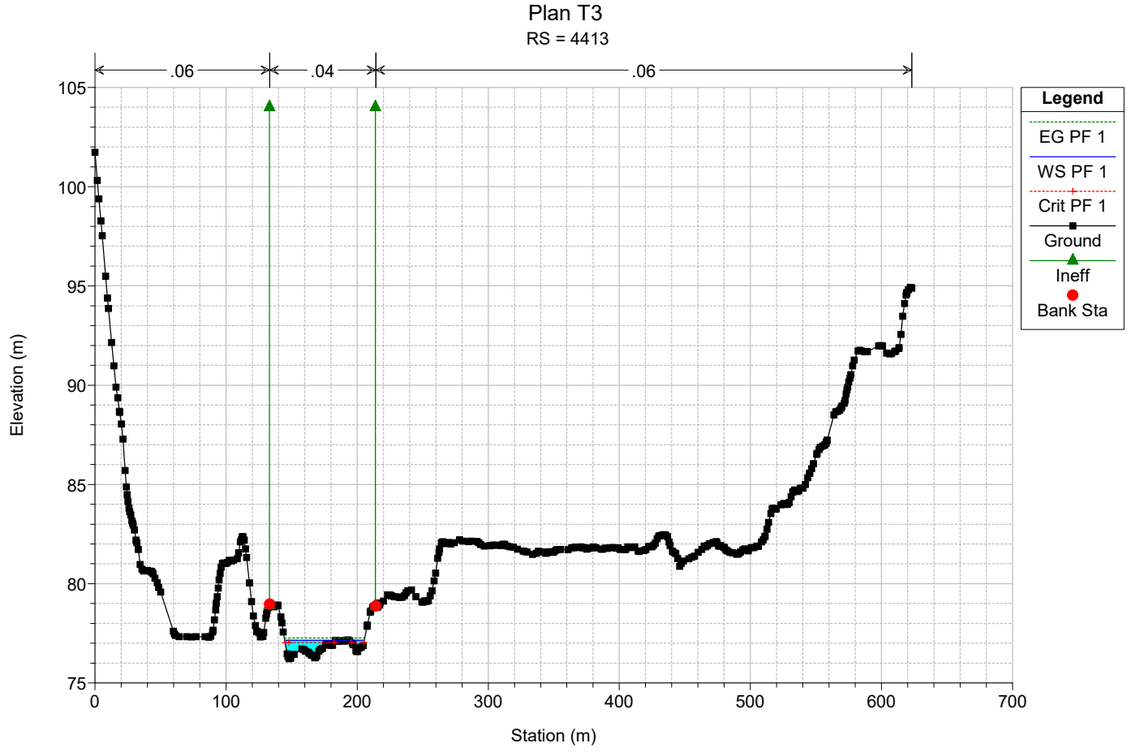

Plan T3
RS = 4585
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
94
92
90
88
86
84
82
80
78
76
0
100
200
300
400

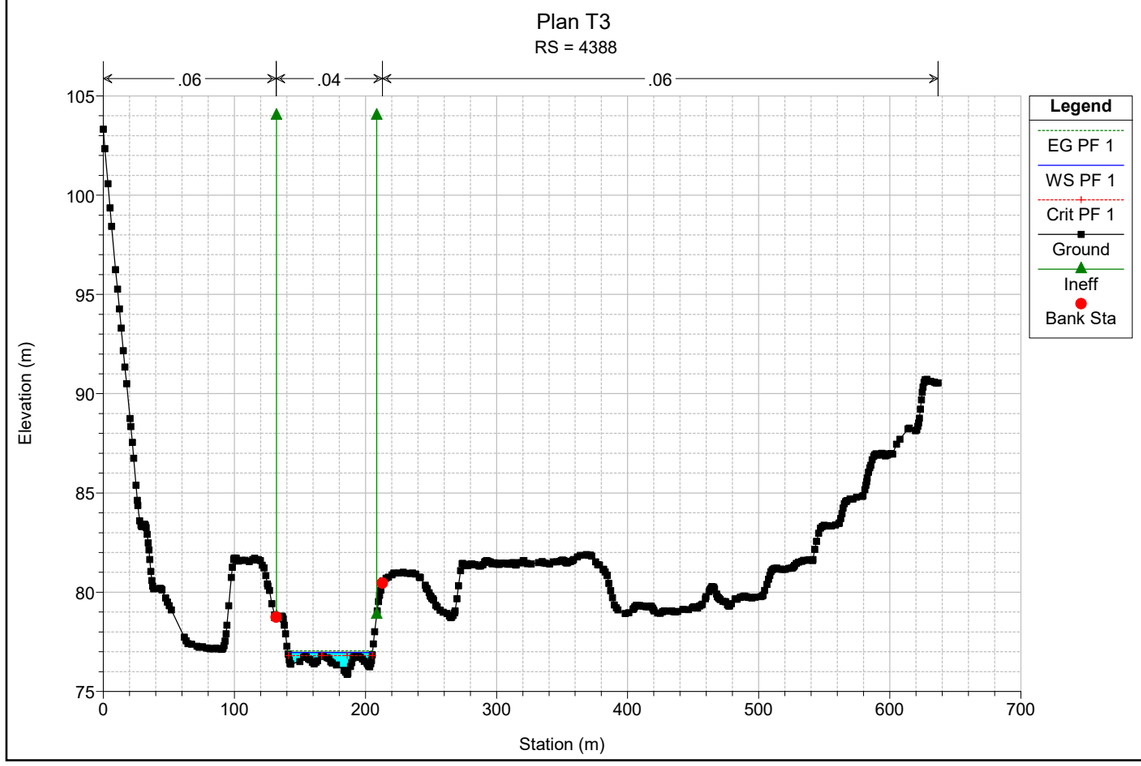

Plan T3
RS = 4547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
75
0
100
200
300
400
500

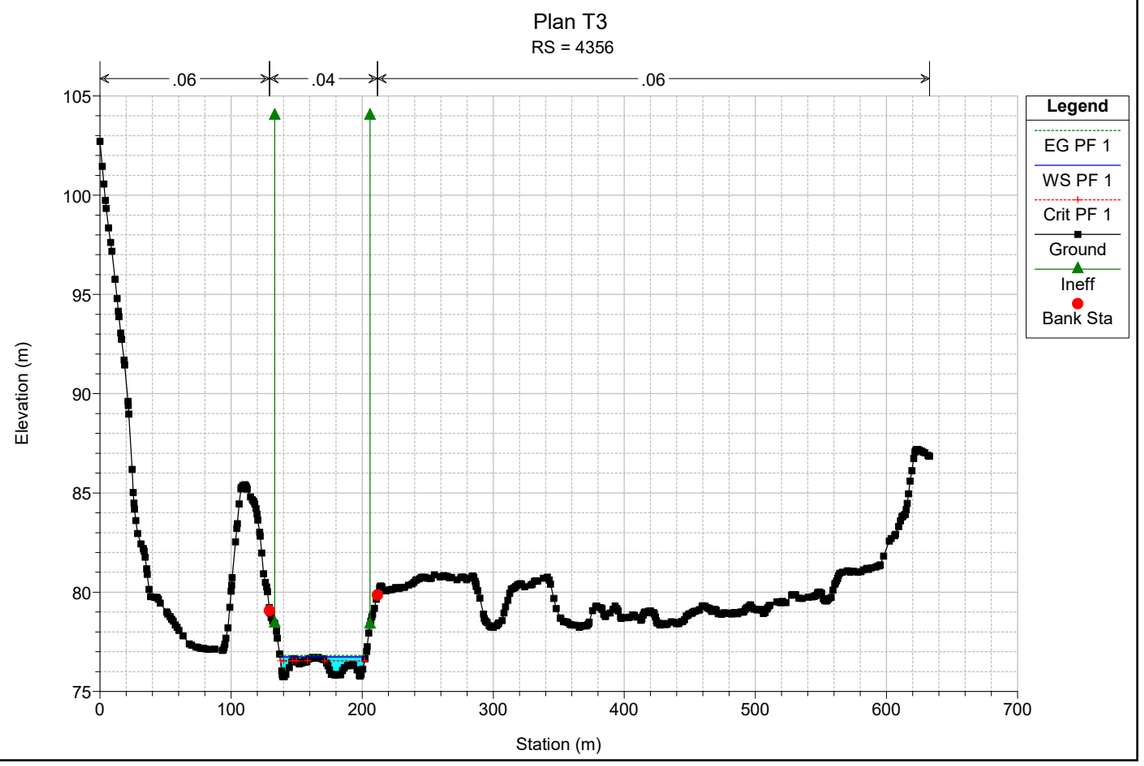

Plan T3
RS = 4511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
100
95
90
85
80
75
0
100
200
300
400

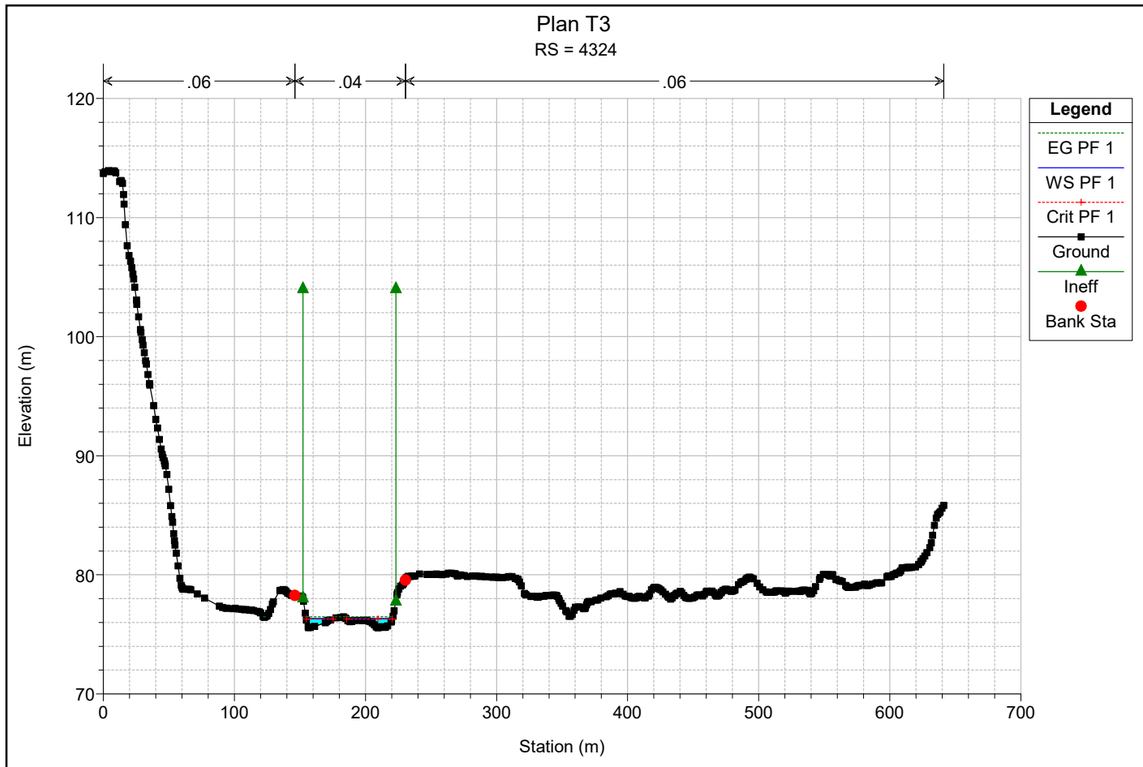

Plan T3
RS = 4478
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
50
100
150
200
250
300
350

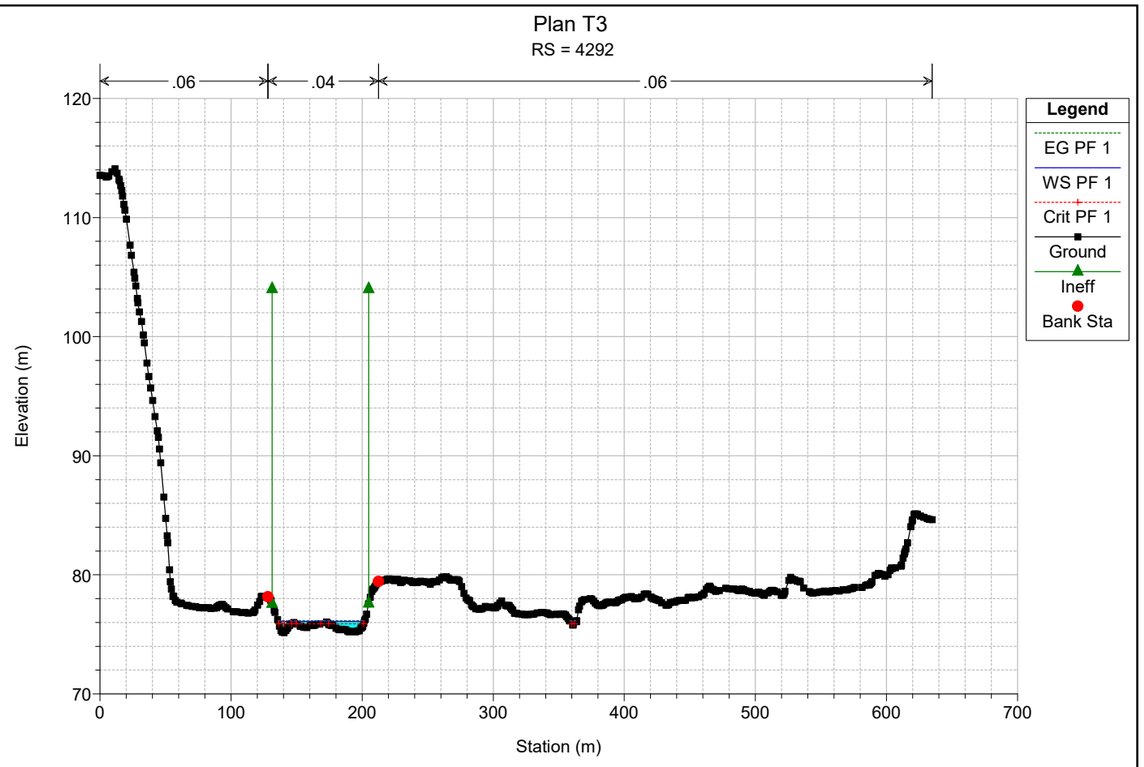

Plan T3
RS = 4446
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

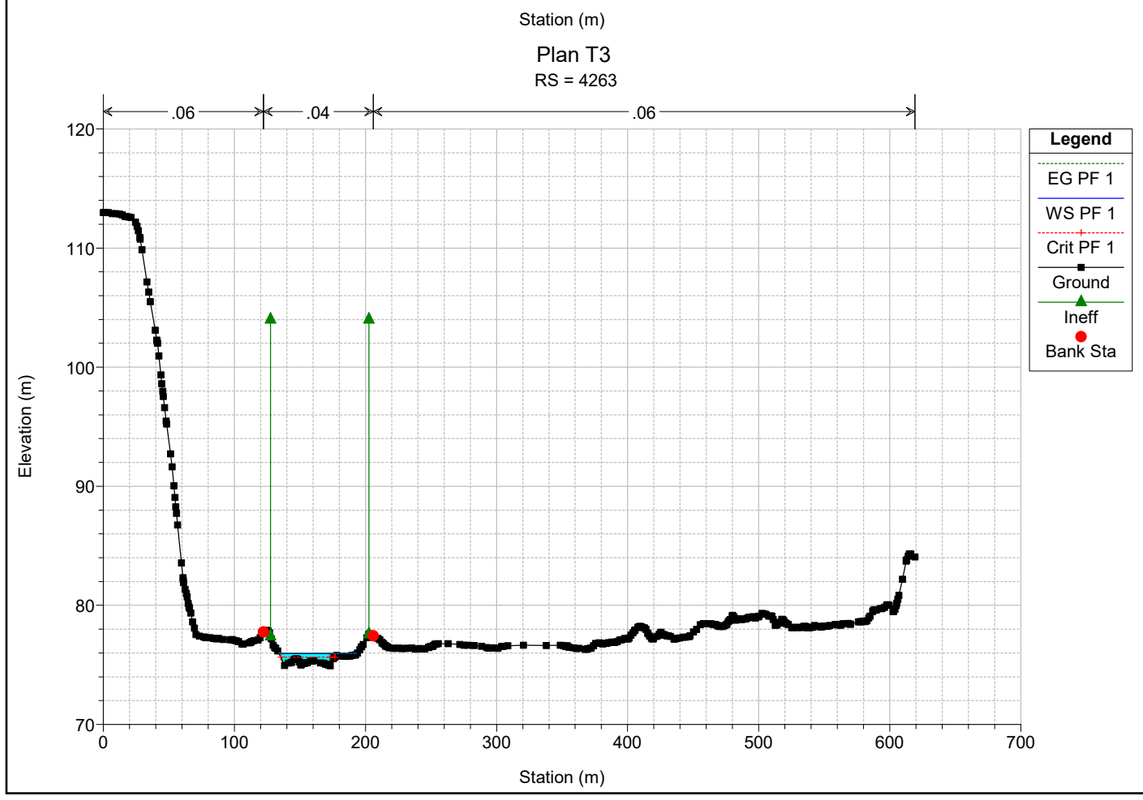

Plan T3
RS = 4413
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

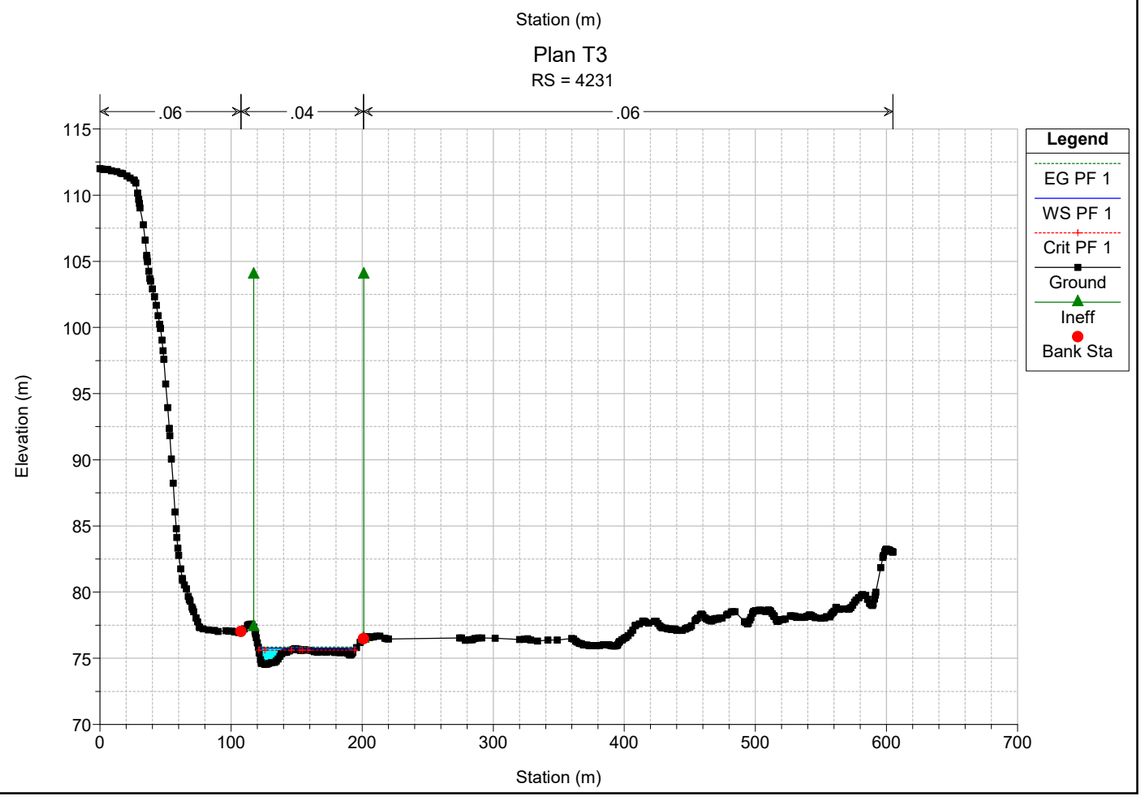

Plan T3
RS = 4388
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

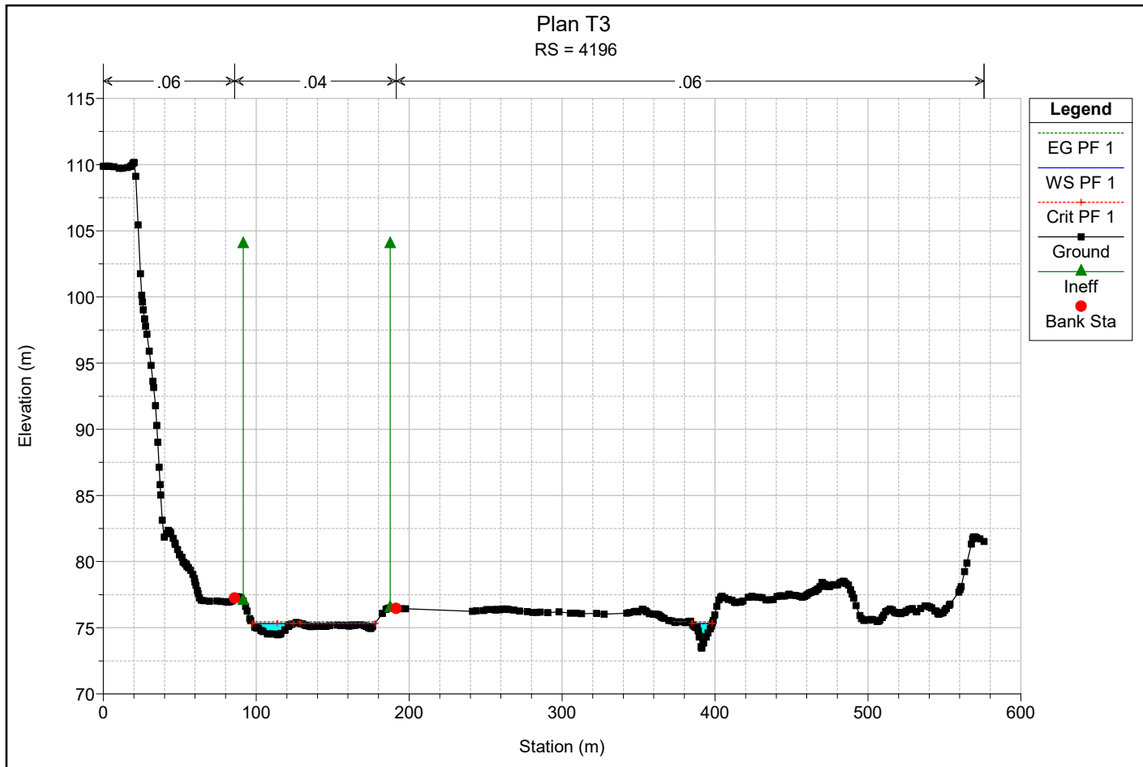

Plan T3
RS = 4356
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

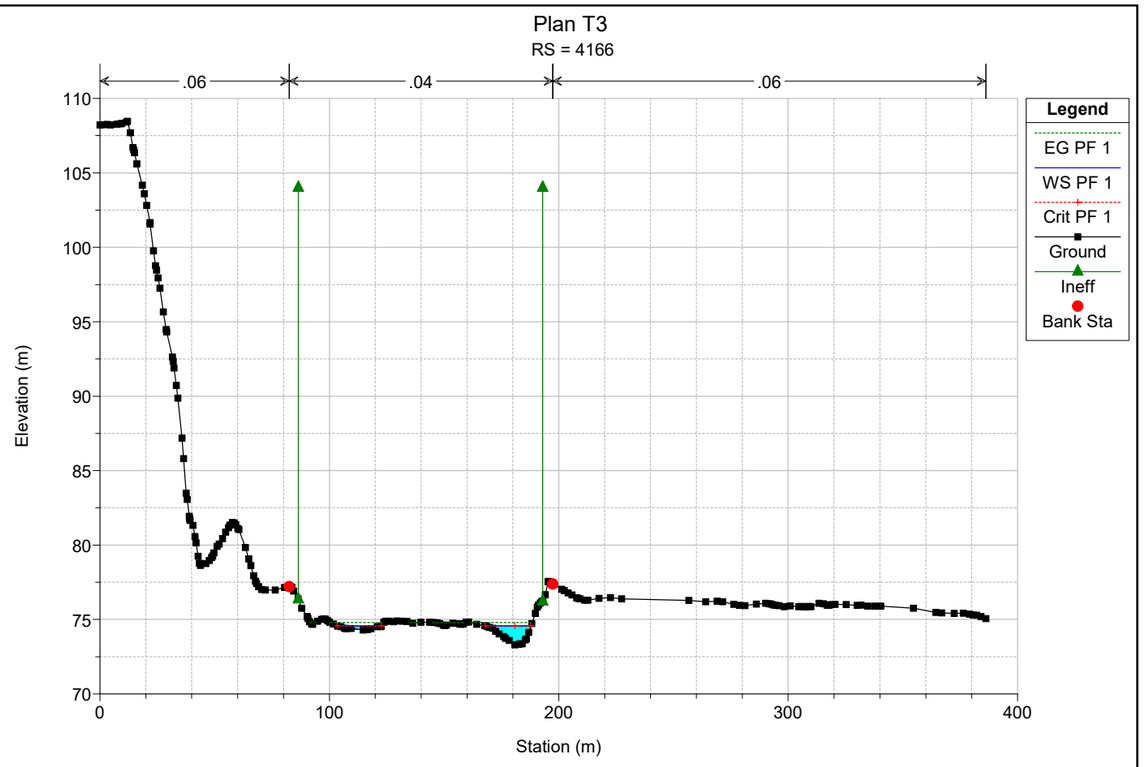

Plan T3
RS = 4324
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
110
100
90
80
70
0
100
200
300
400
500
600
700

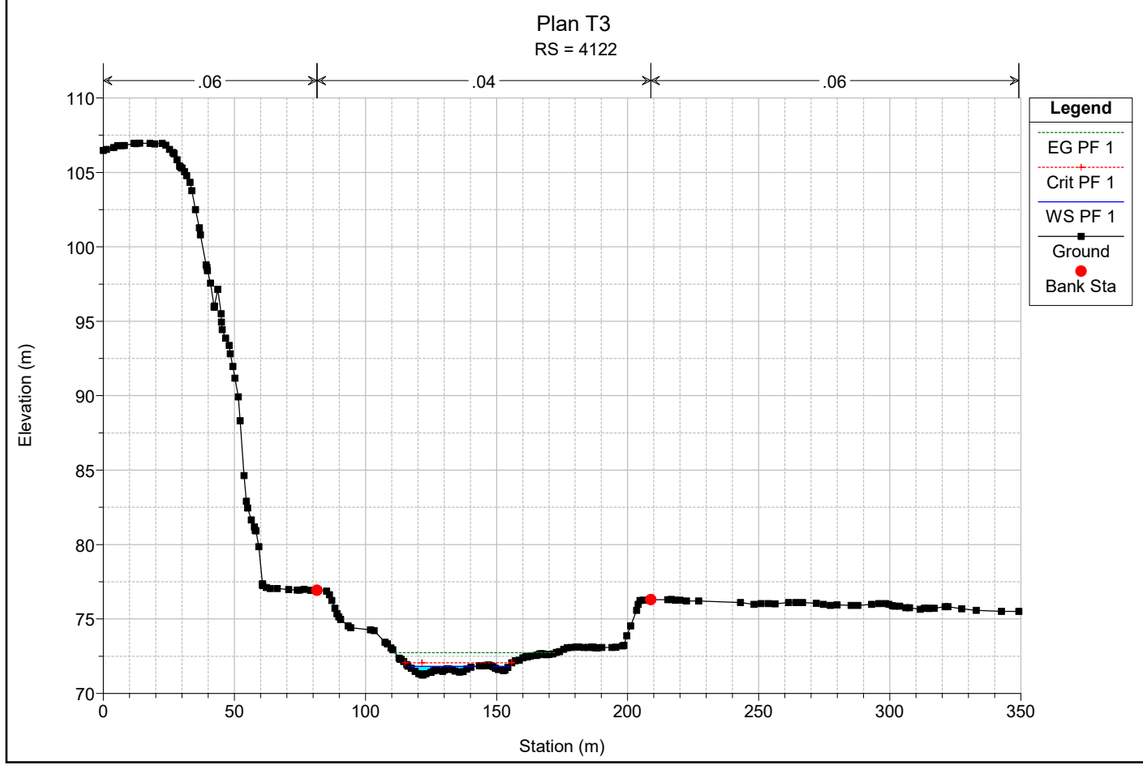

Plan T3
RS = 4292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
110
100
90
80
70
0
100
200
300
400
500
600
700

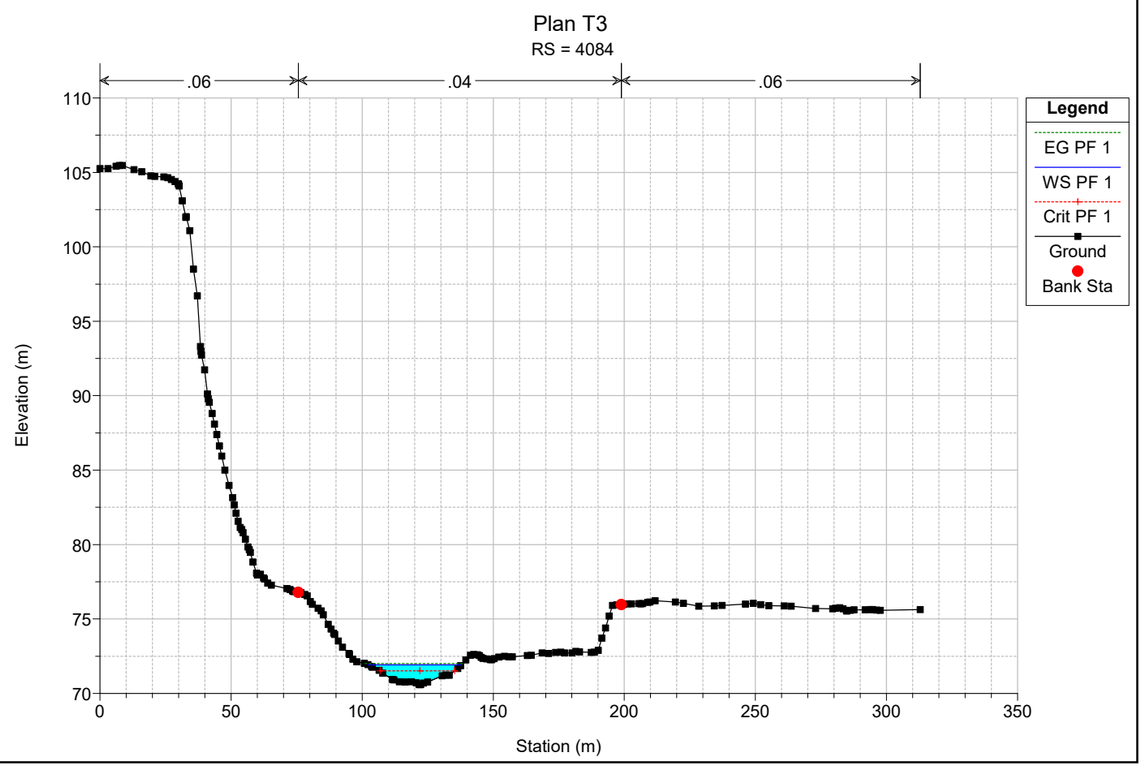

Plan T3
RS = 4263
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
110
100
90
80
70
0
100
200
300
400
500
600
700

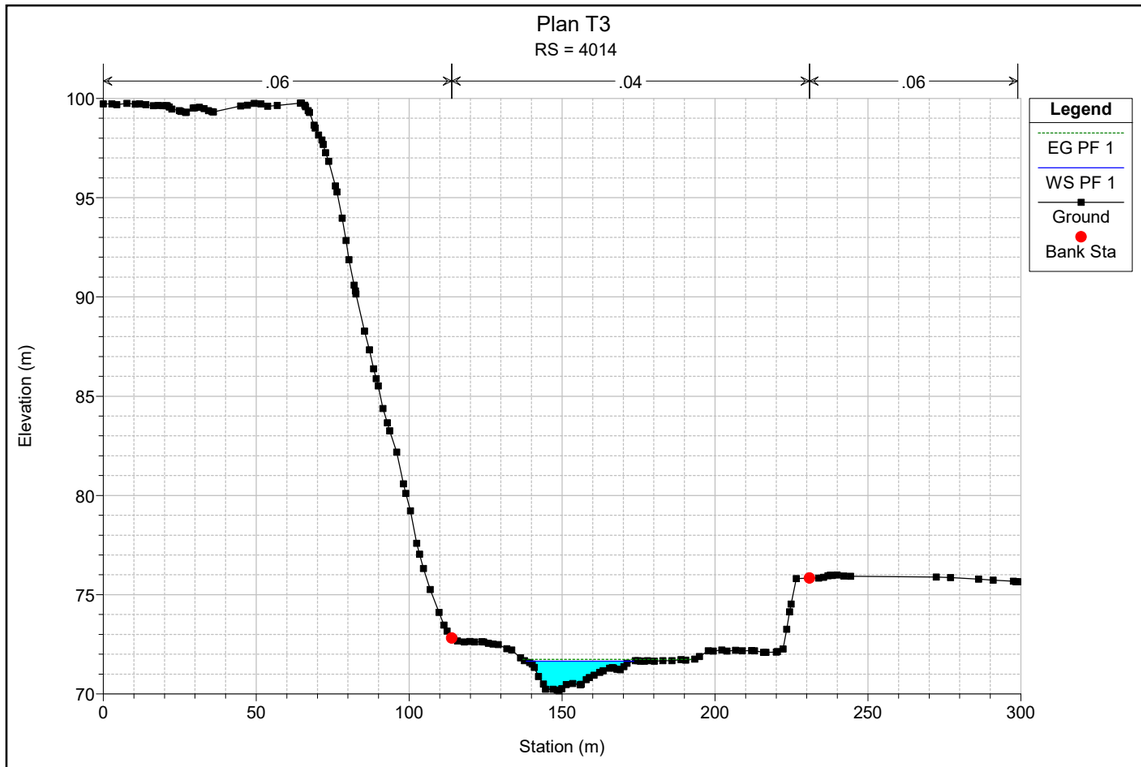

Plan T3
RS = 4231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
115
110
105
100
95
90
85
80
75
70
0
100
200
300
400
500
600
700

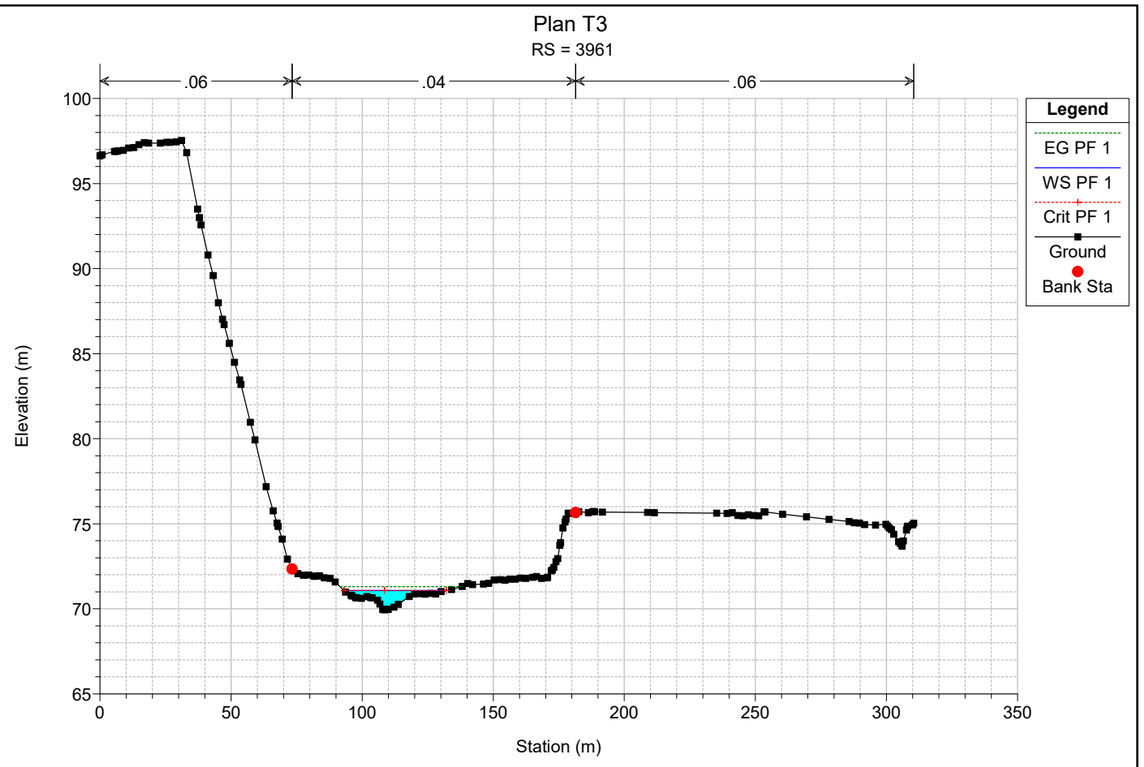

Plan T3
RS = 4196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

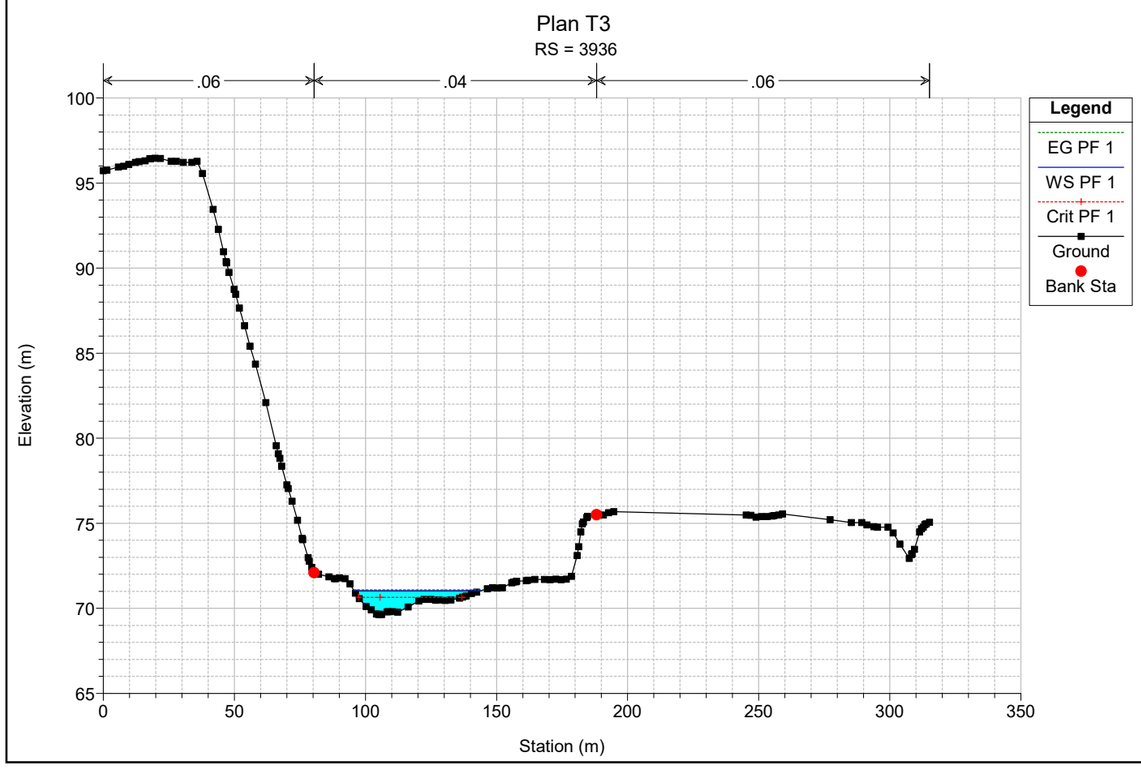

Plan T3
RS = 4166
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

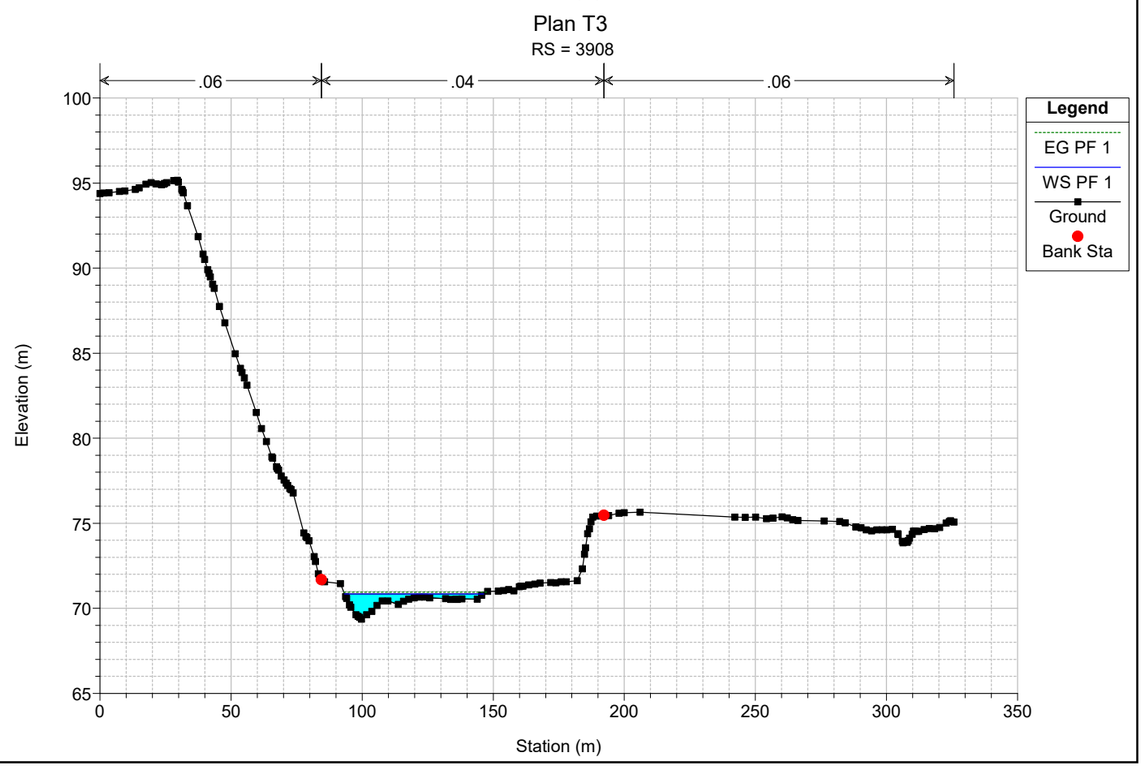

Plan T3
RS = 4122
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

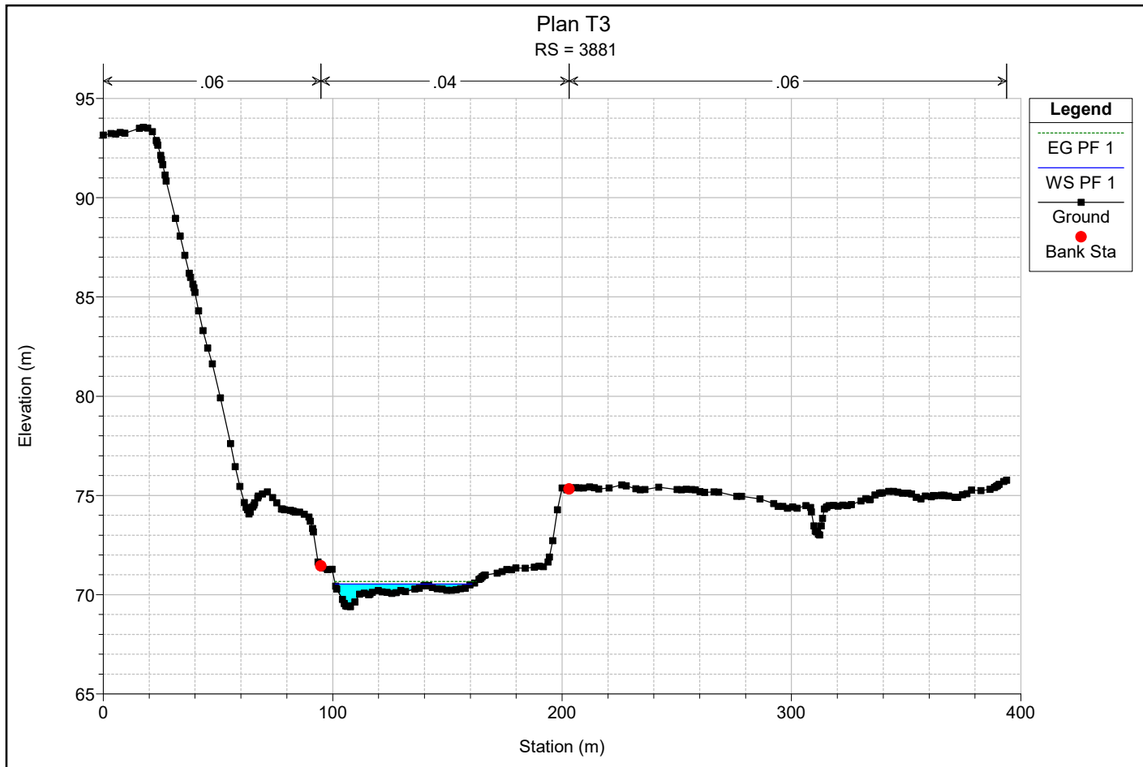

Plan T3
RS = 4084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

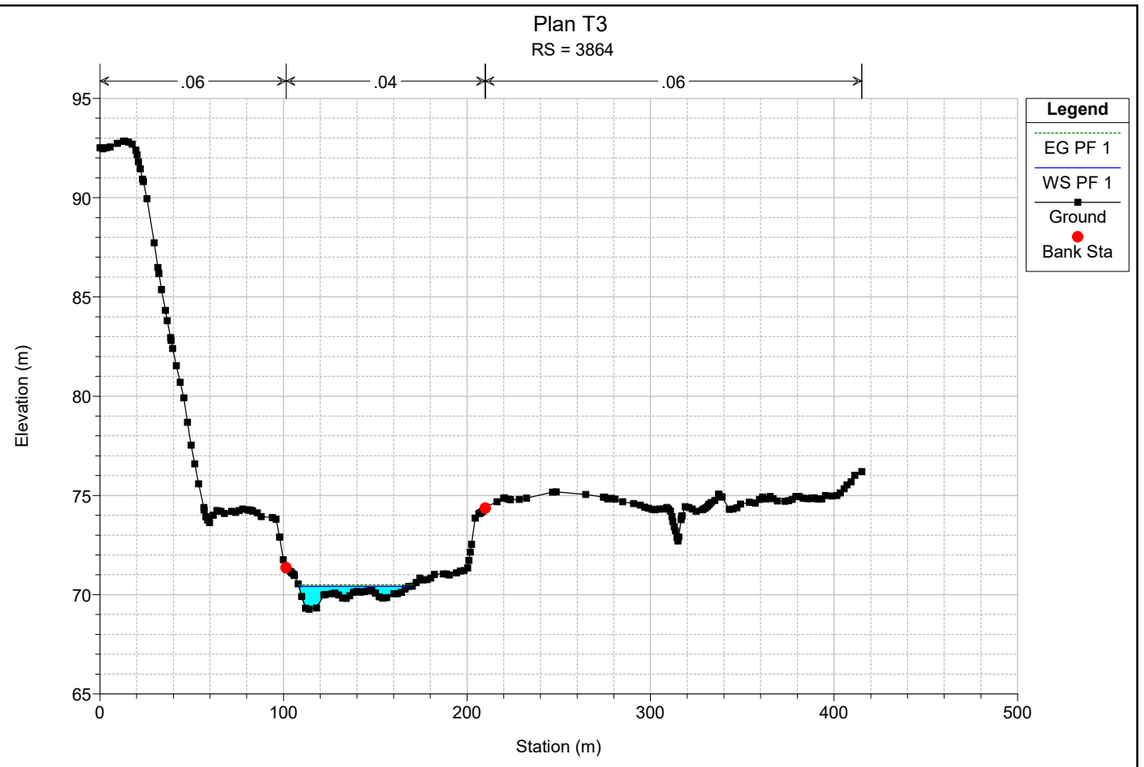

Plan T3
RS = 4014
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

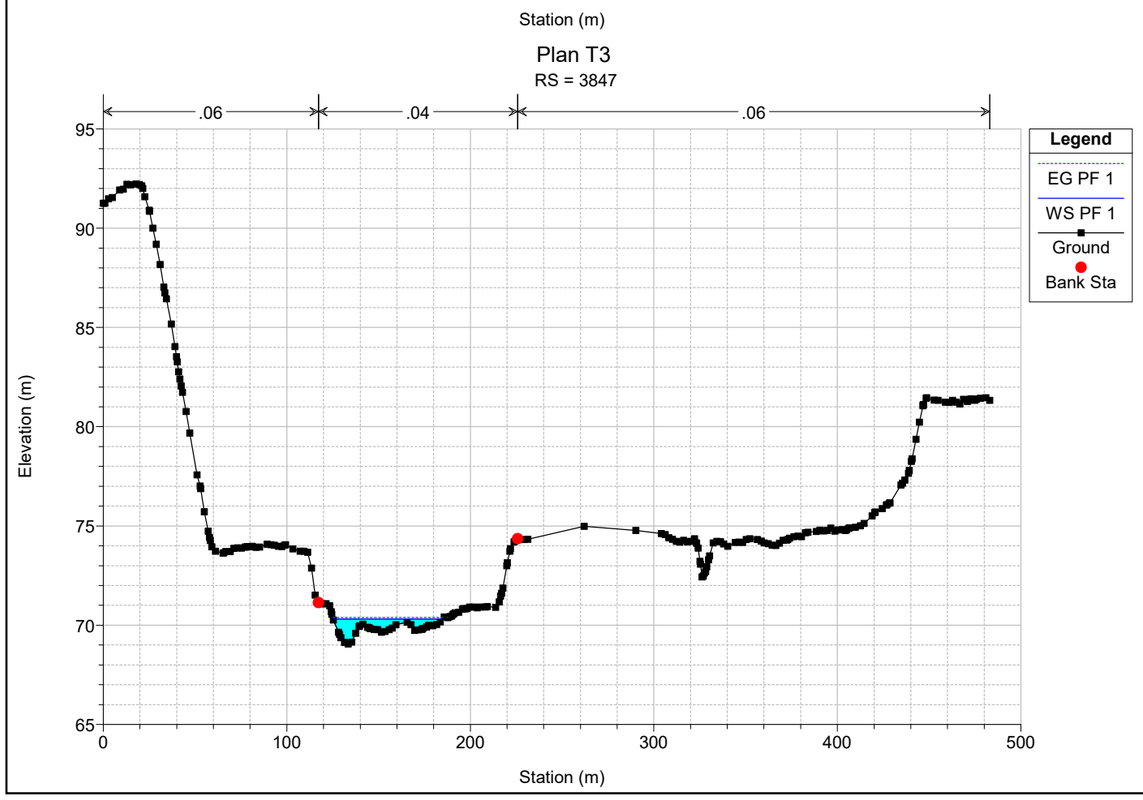

Plan T3
RS = 3961
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

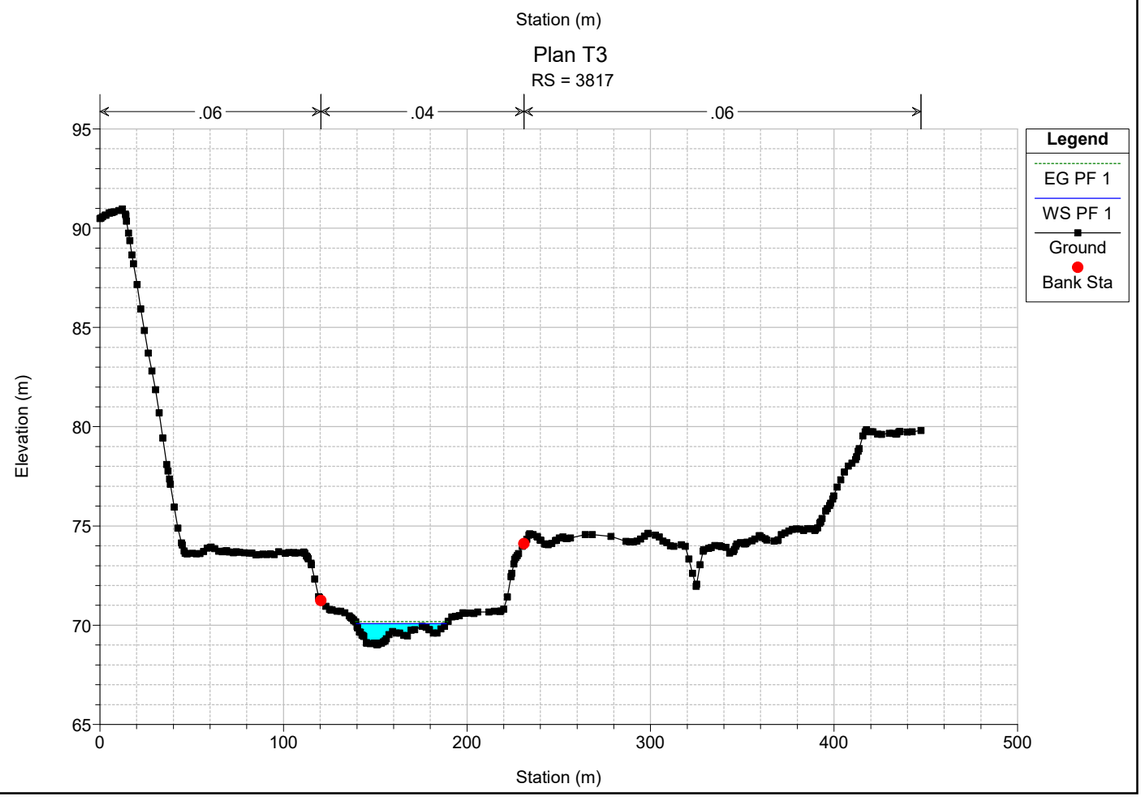

Plan T3
RS = 3936
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

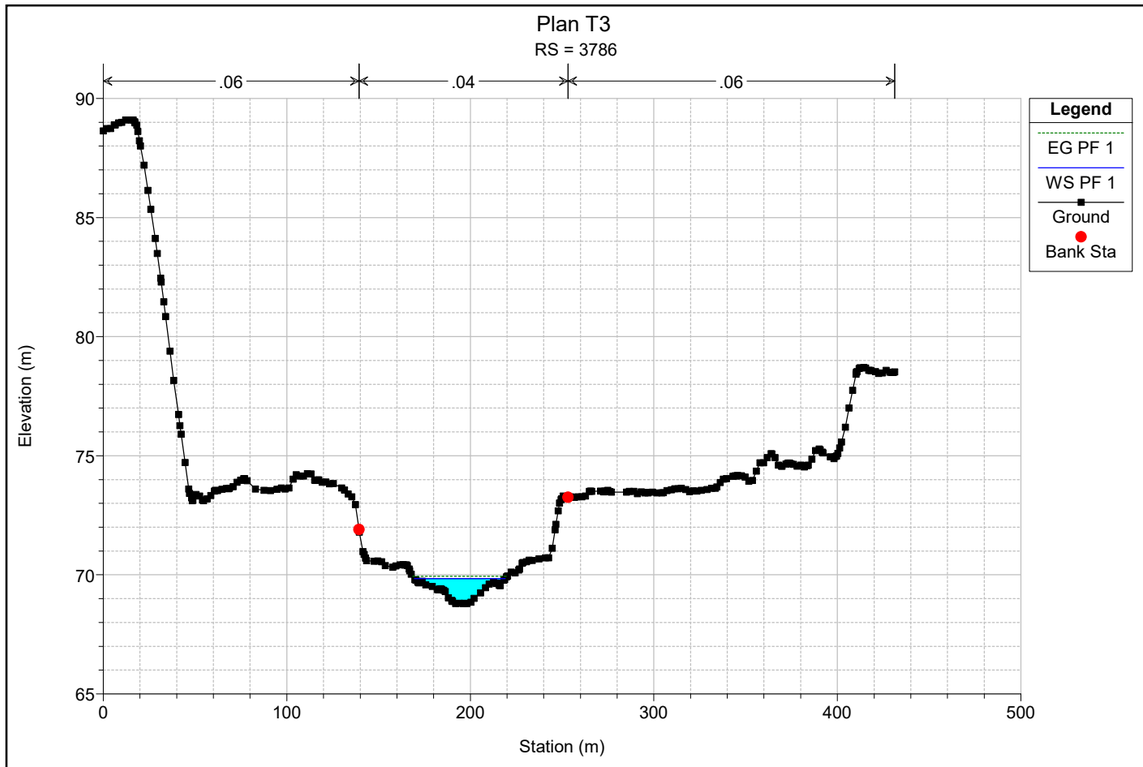

Plan T3
RS = 3908
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

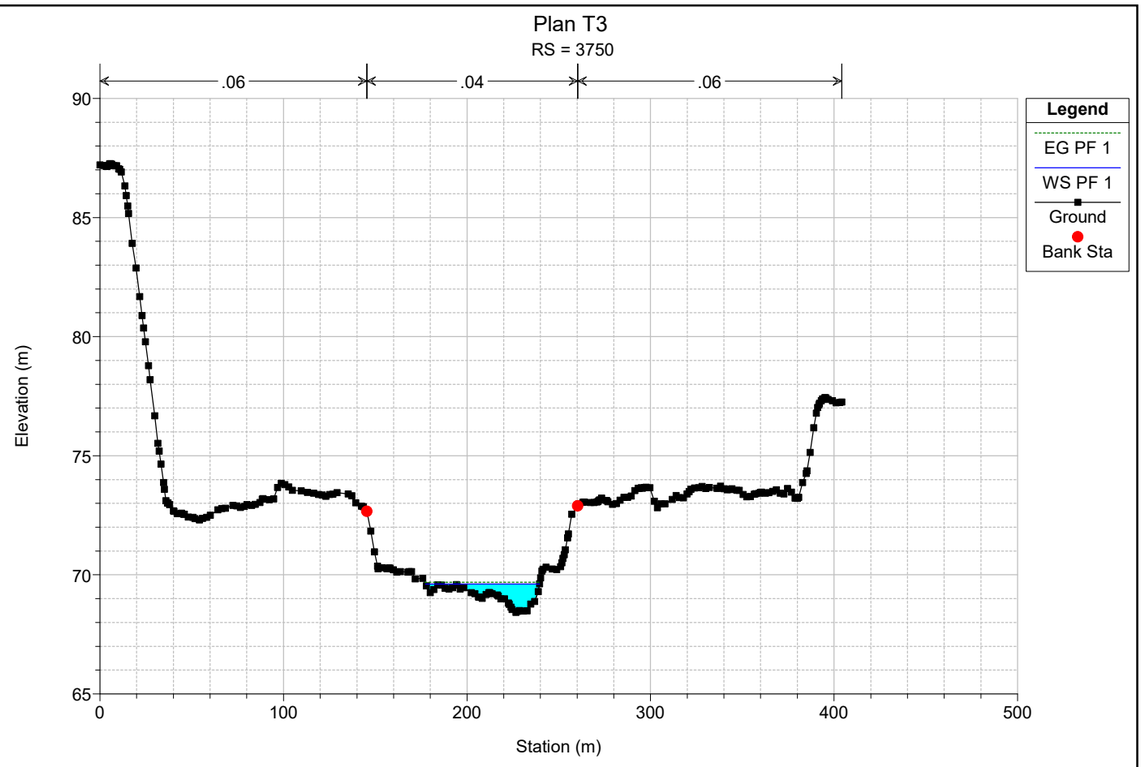

Plan T3
RS = 3881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400

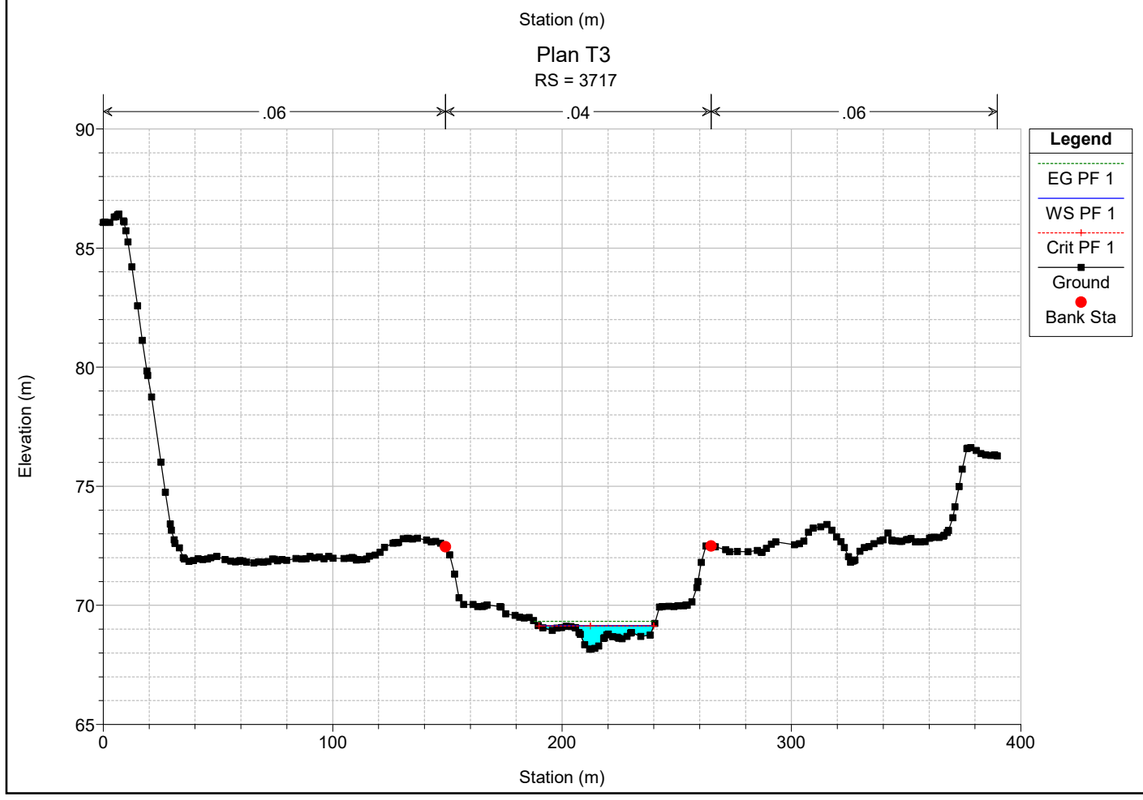

Plan T3
RS = 3864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

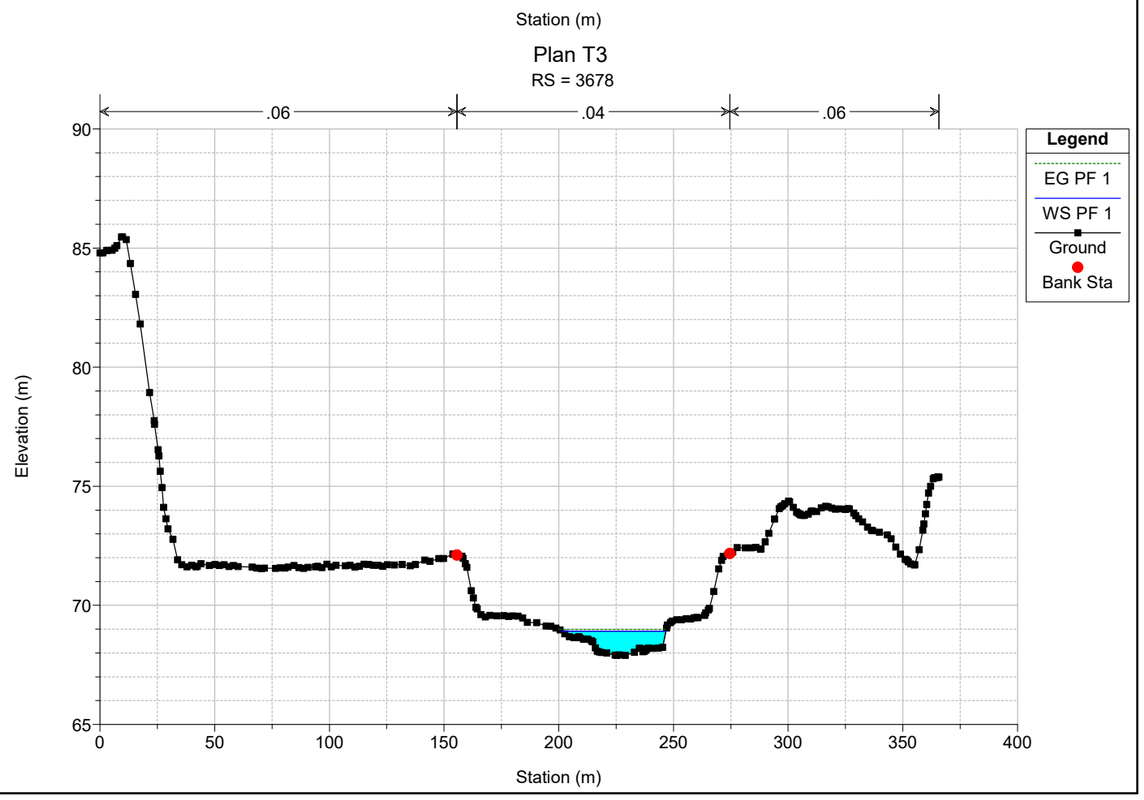

Plan T3
RS = 3847
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

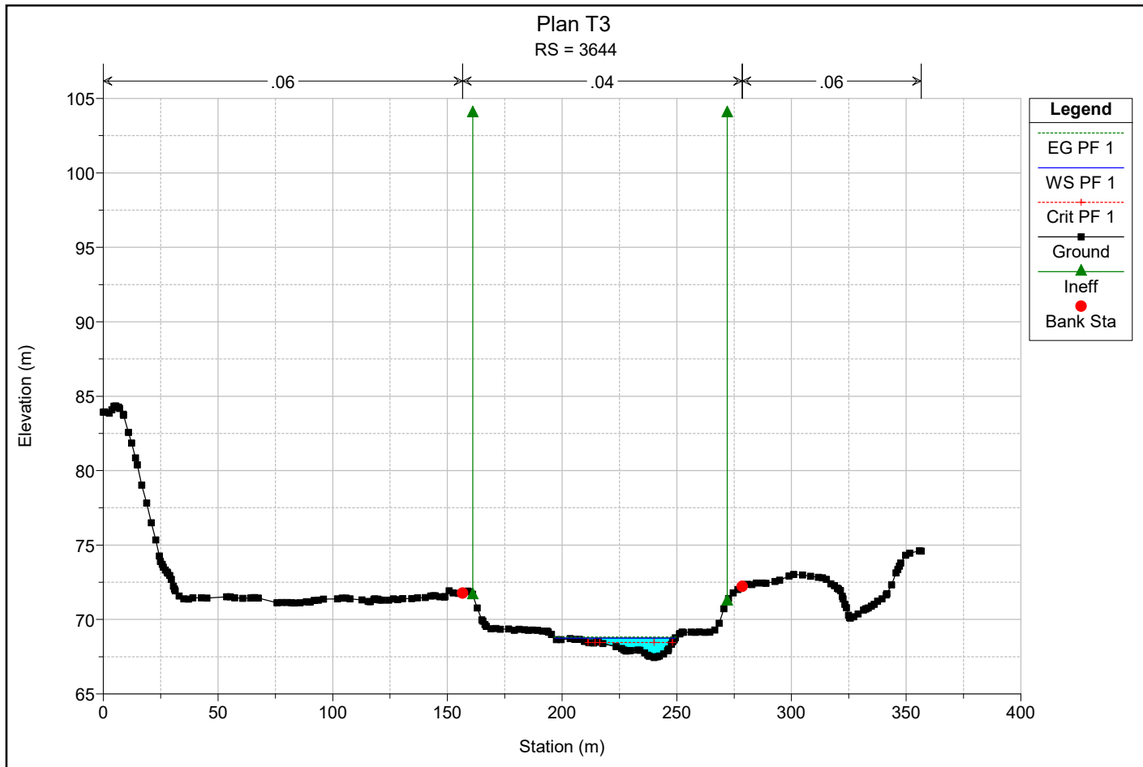

Plan T3
RS = 3817
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

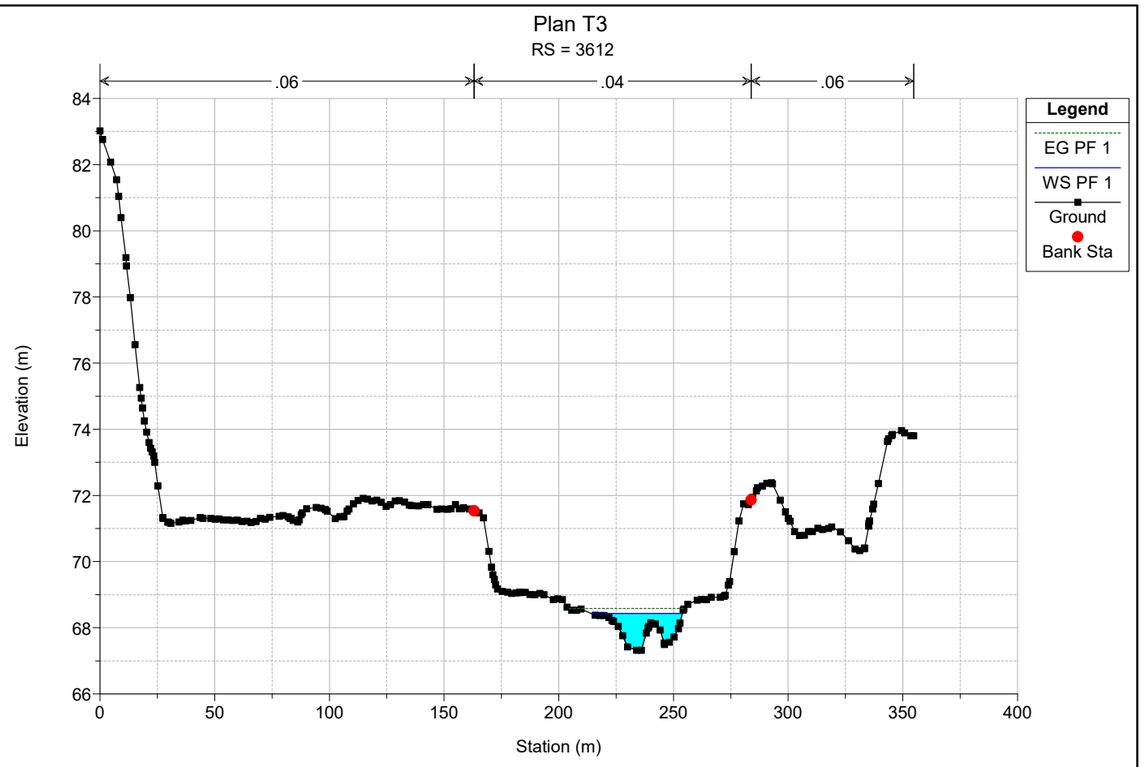

Plan T3
RS = 3786
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

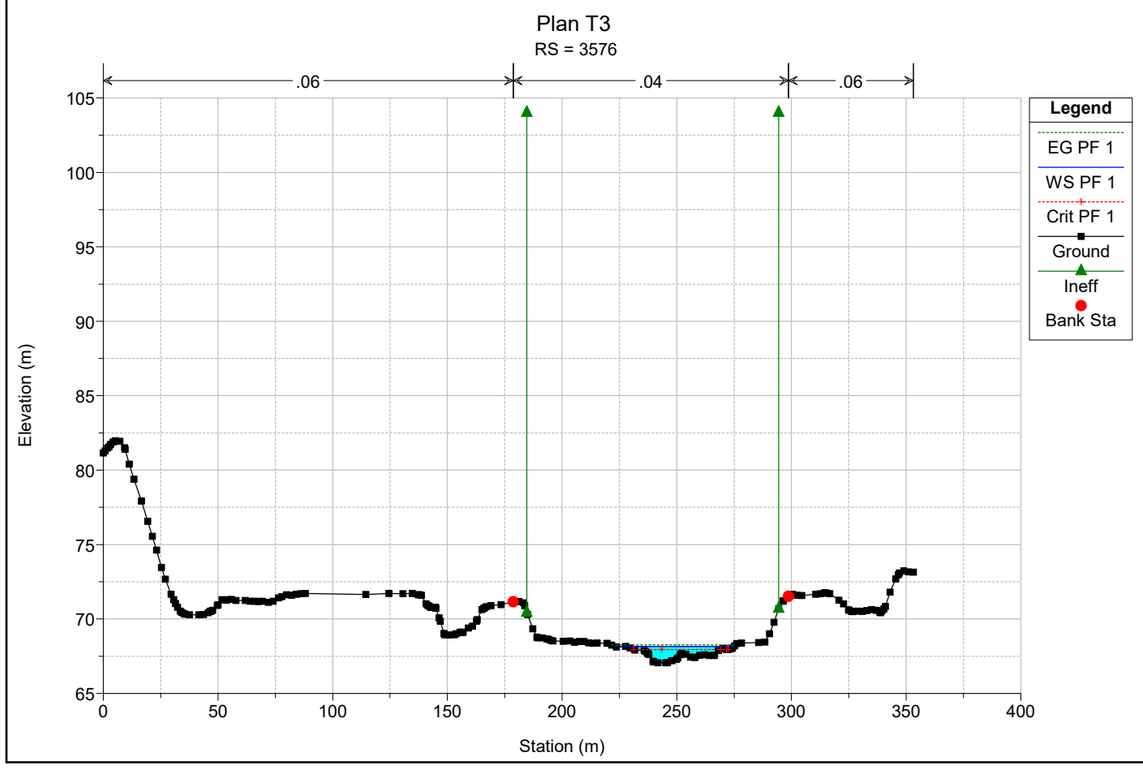

Plan T3
RS = 3750
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

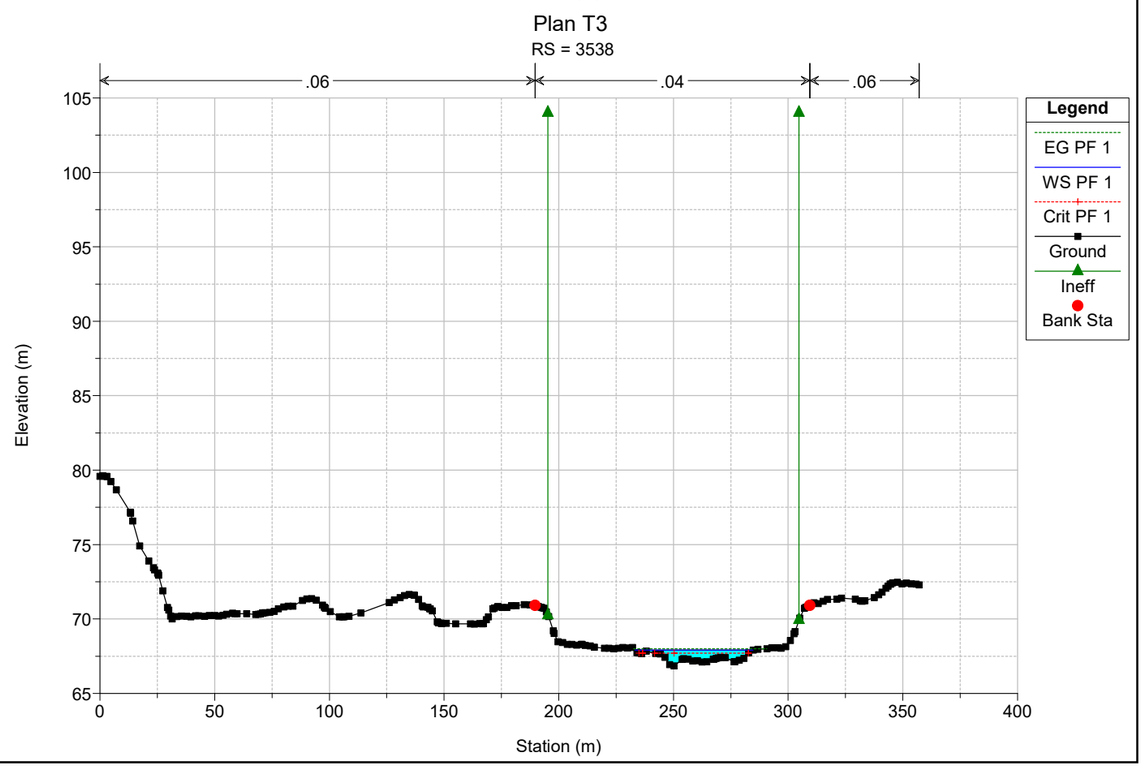

Plan T3
RS = 3717
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400

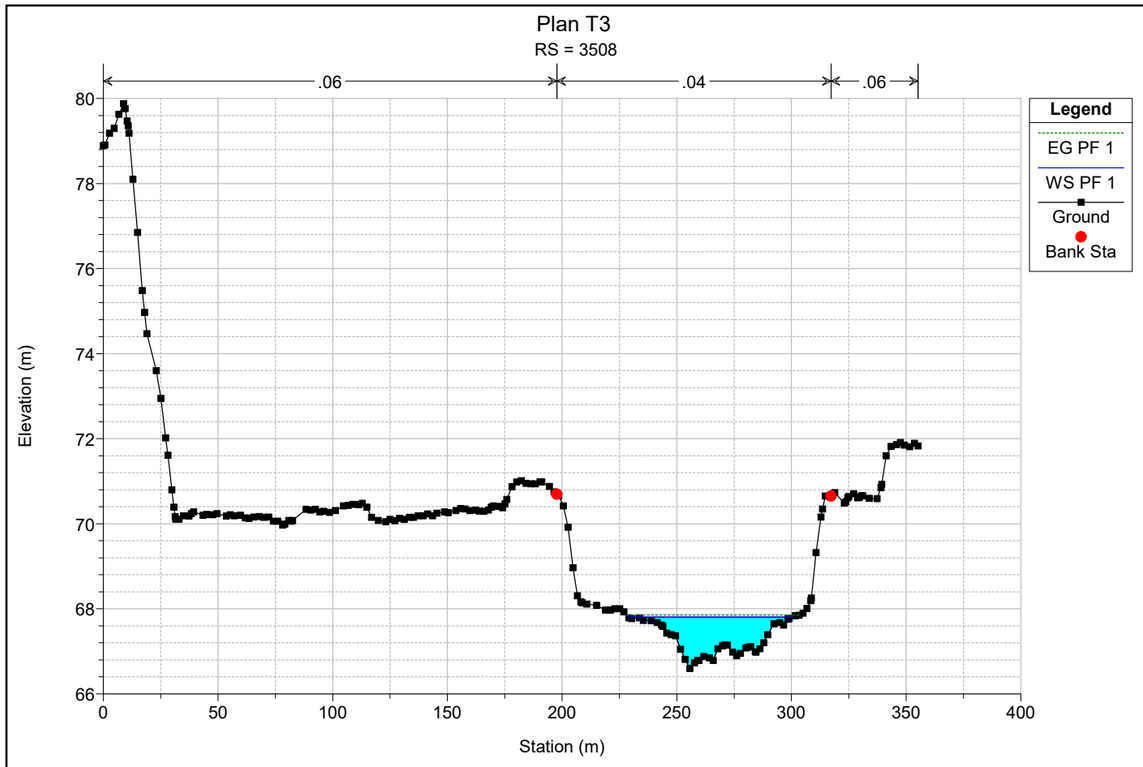

Plan T3
RS = 3678
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
50
100
150
200
250
300
350
400

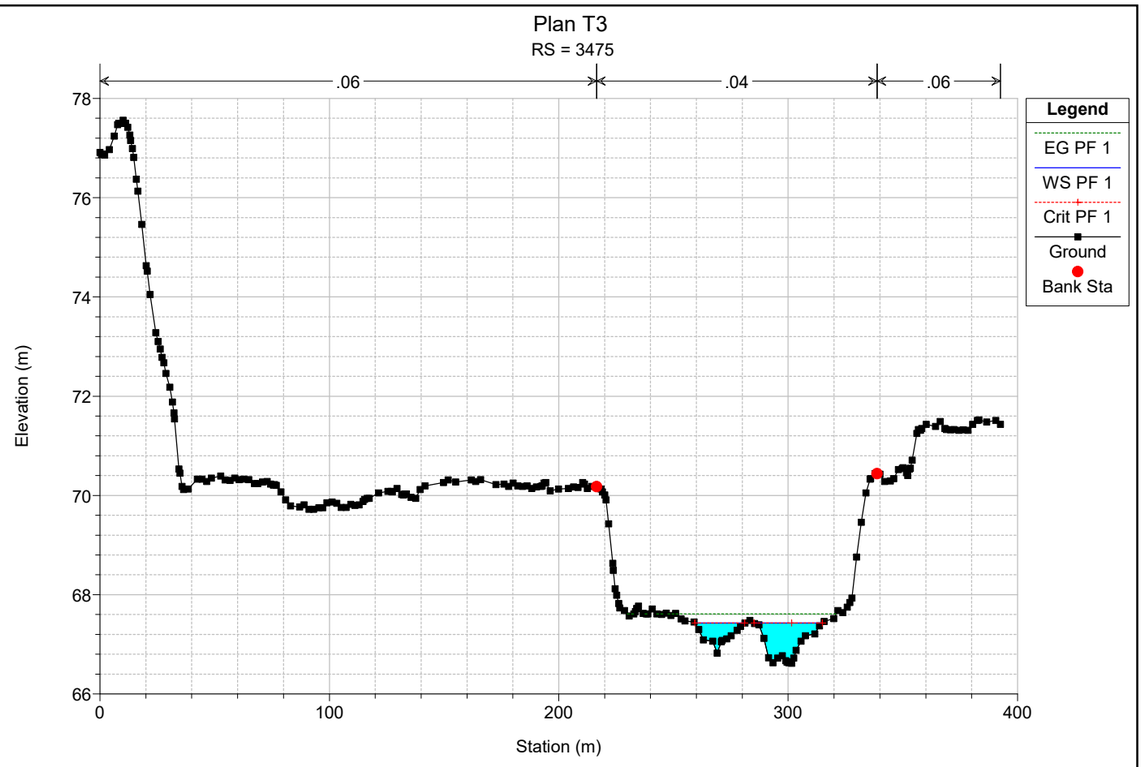

Plan T3
RS = 3644
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

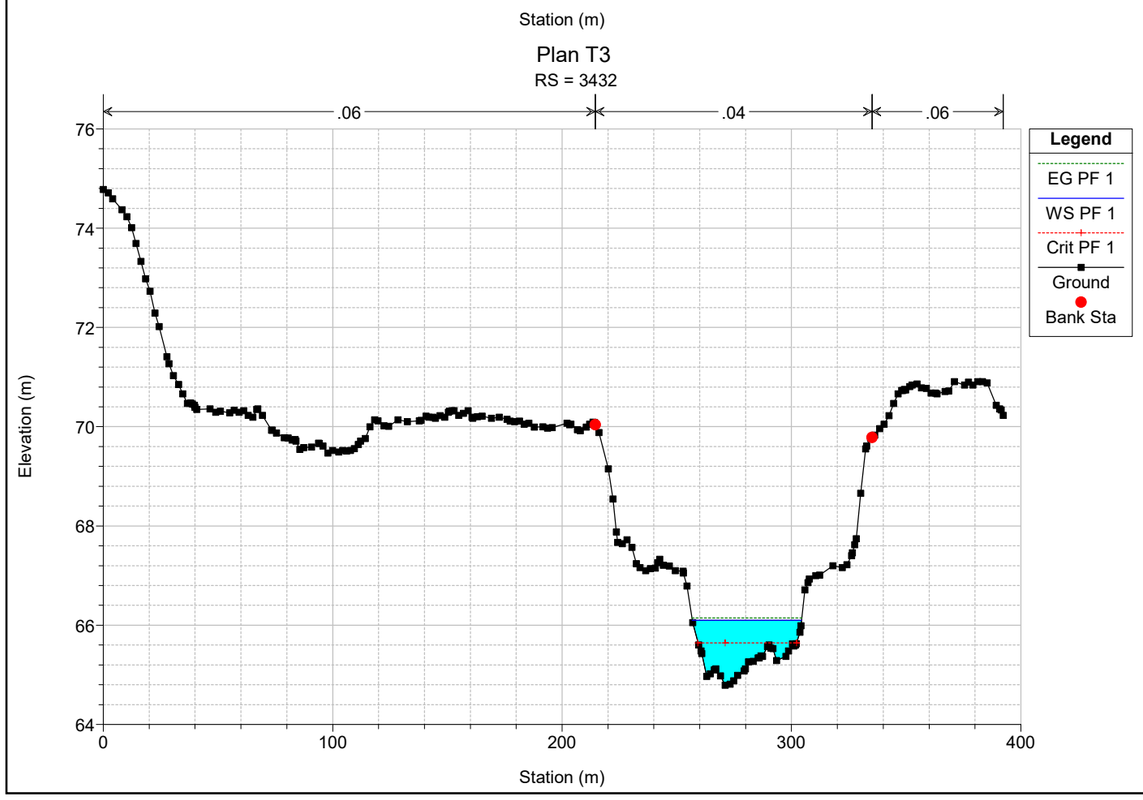

Plan T3
RS = 3612
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

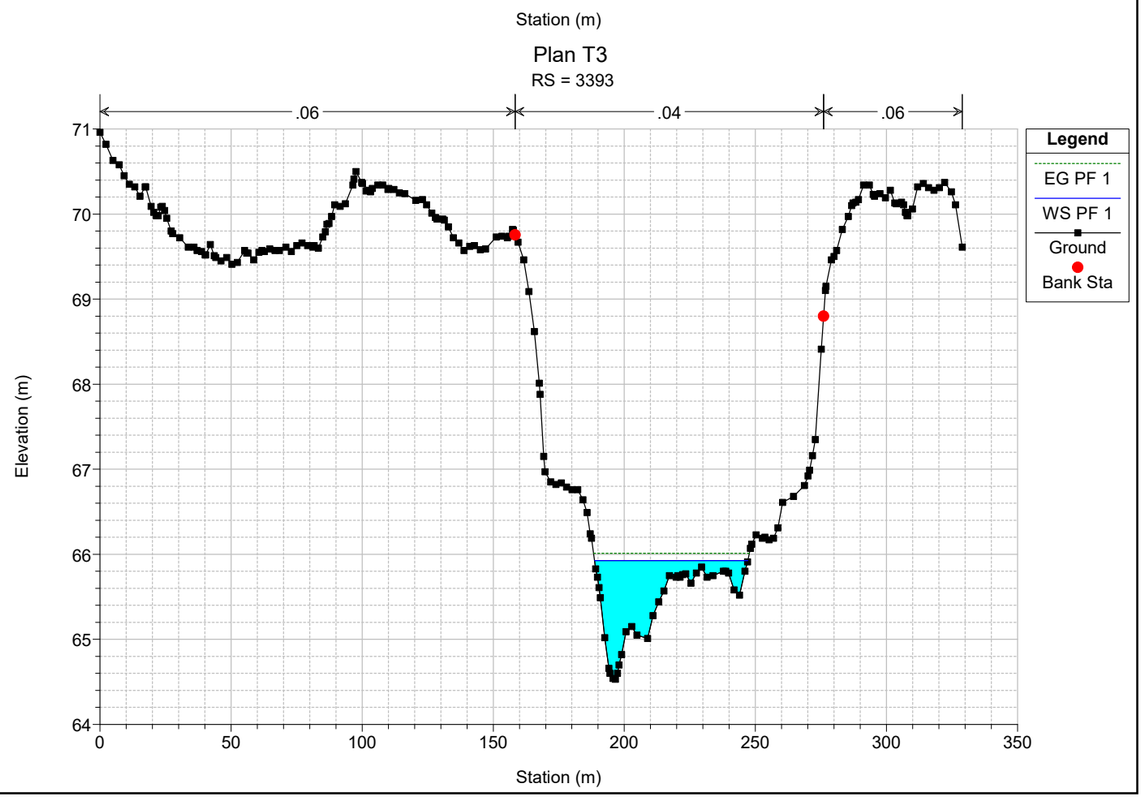

Plan T3
RS = 3576
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

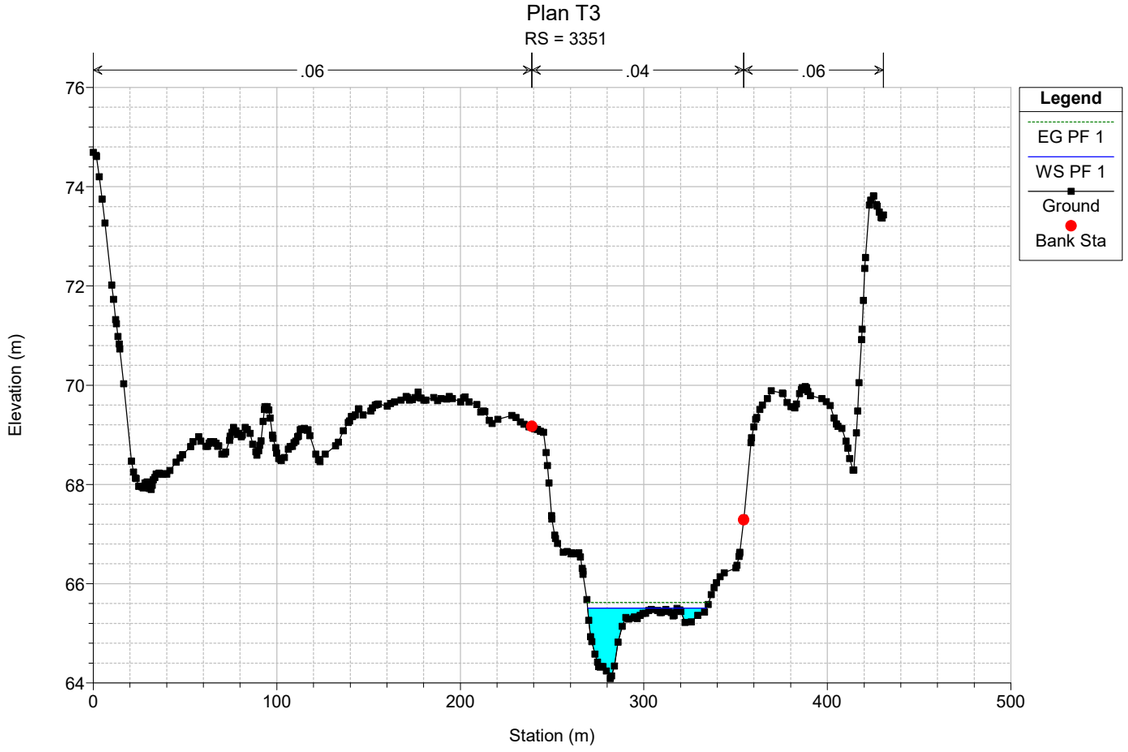

Plan T3
RS = 3538
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

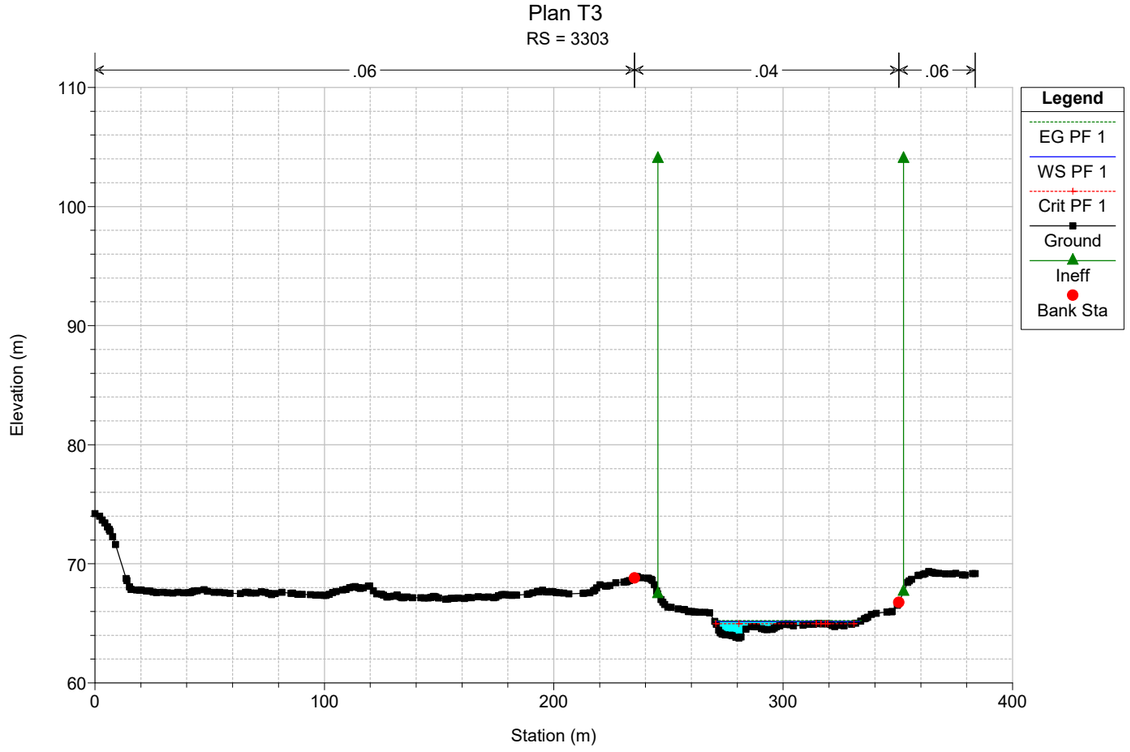

Plan T3
RS = 3508
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

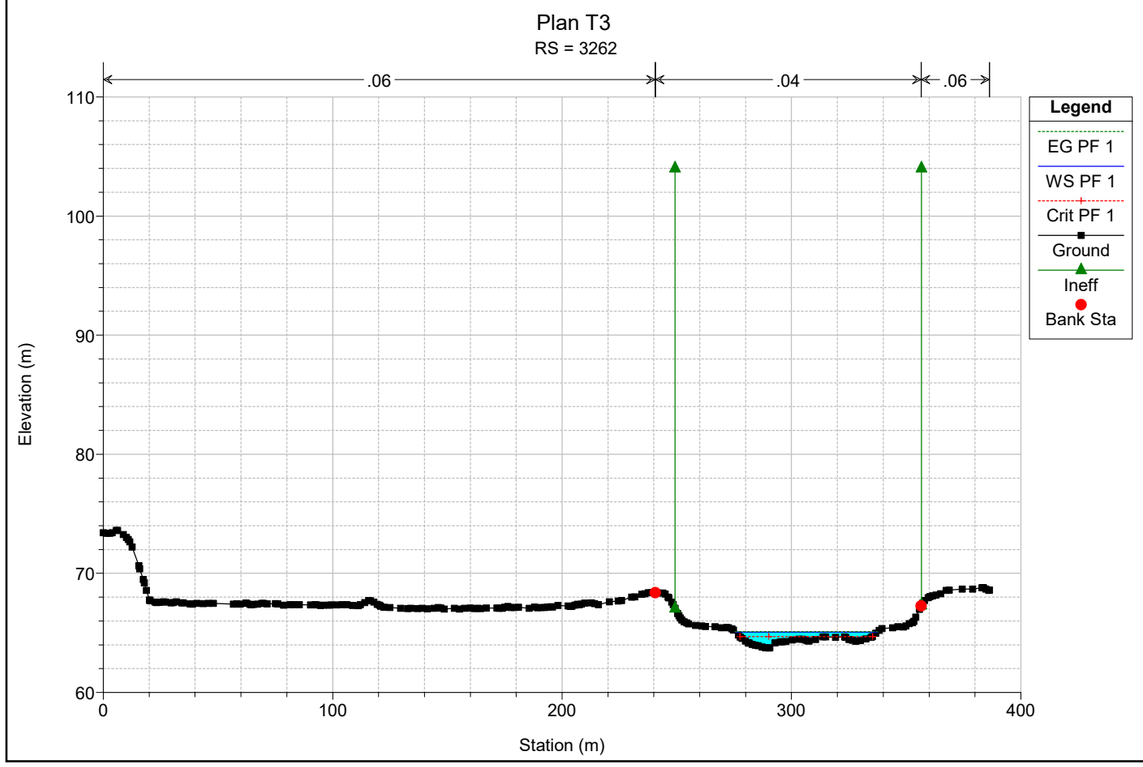

Plan T3
RS = 3475
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

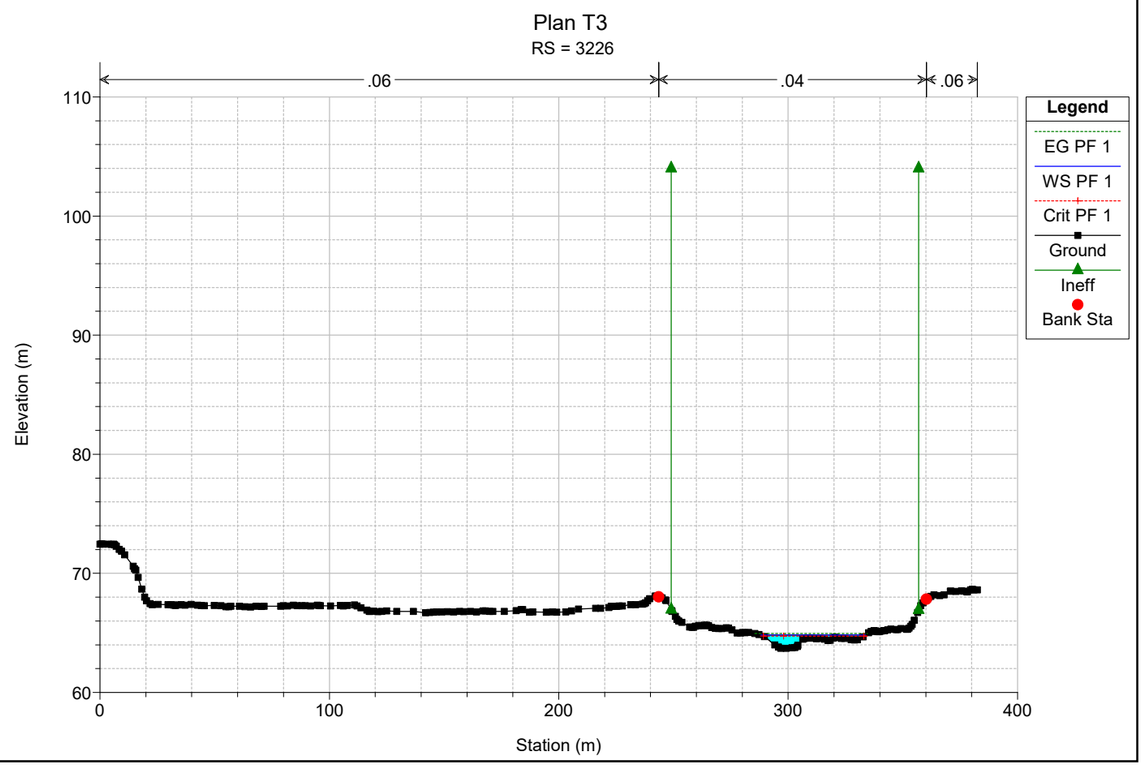

Plan T3
RS = 3432
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

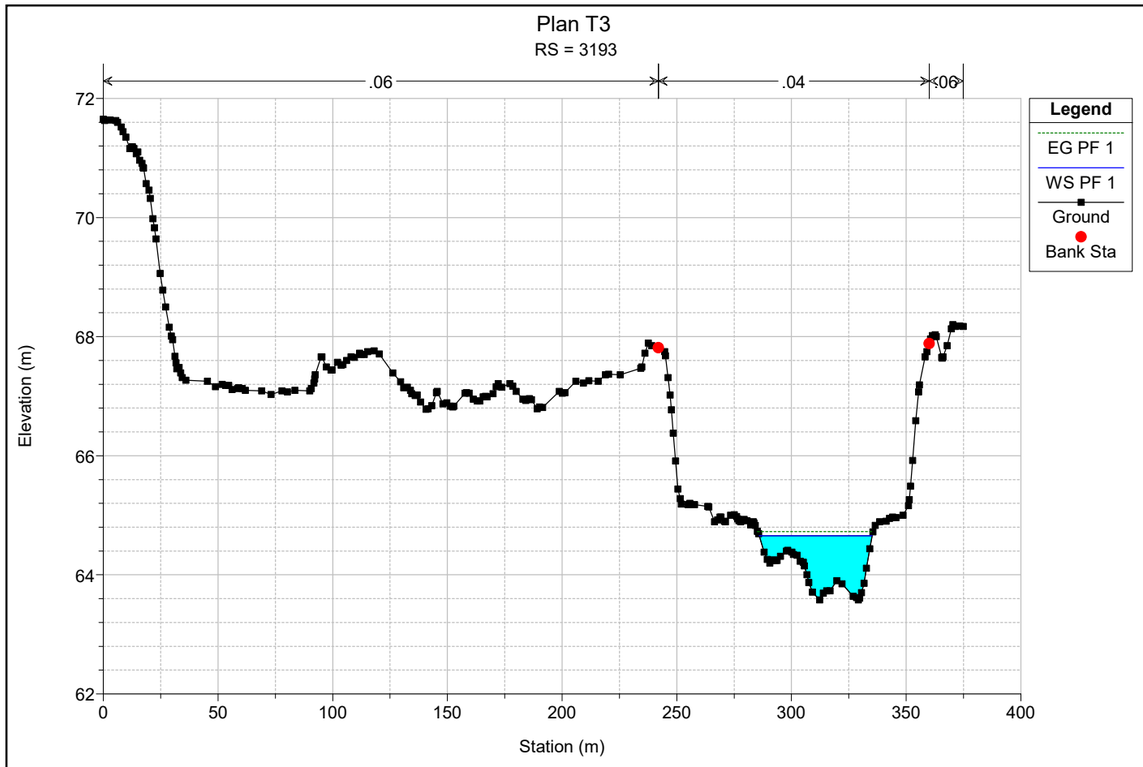

Plan T3
RS = 3393
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

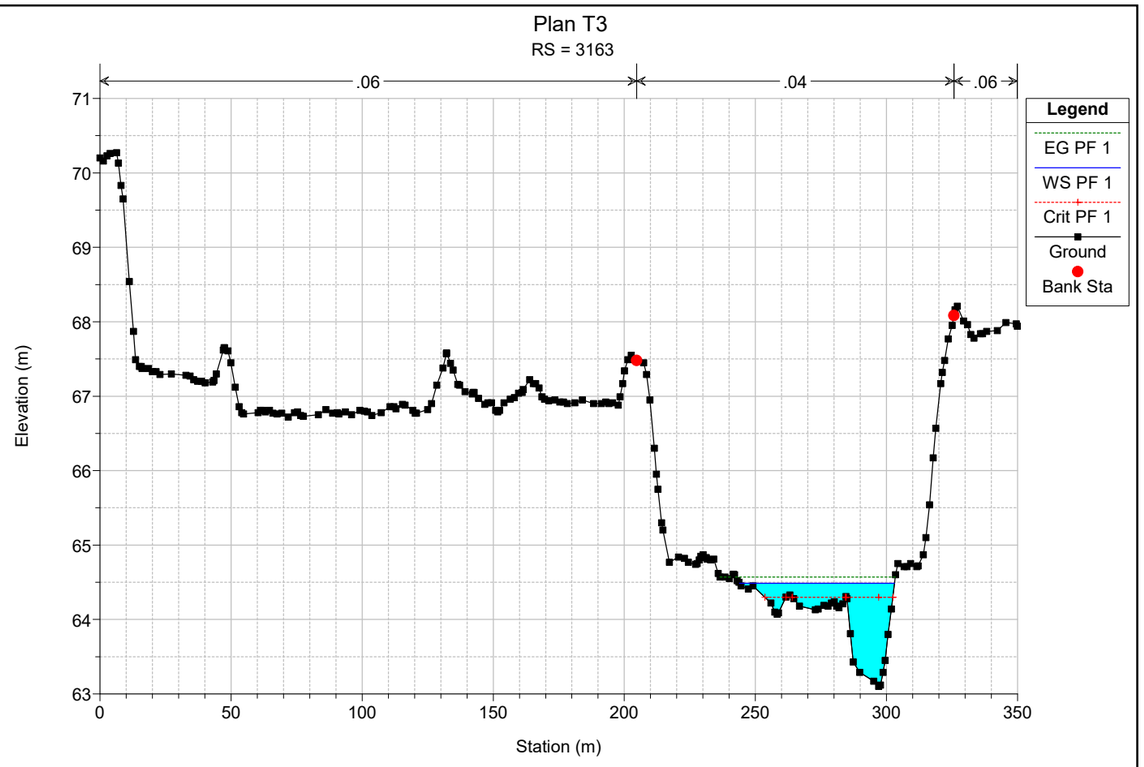

Plan T3
RS = 3351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

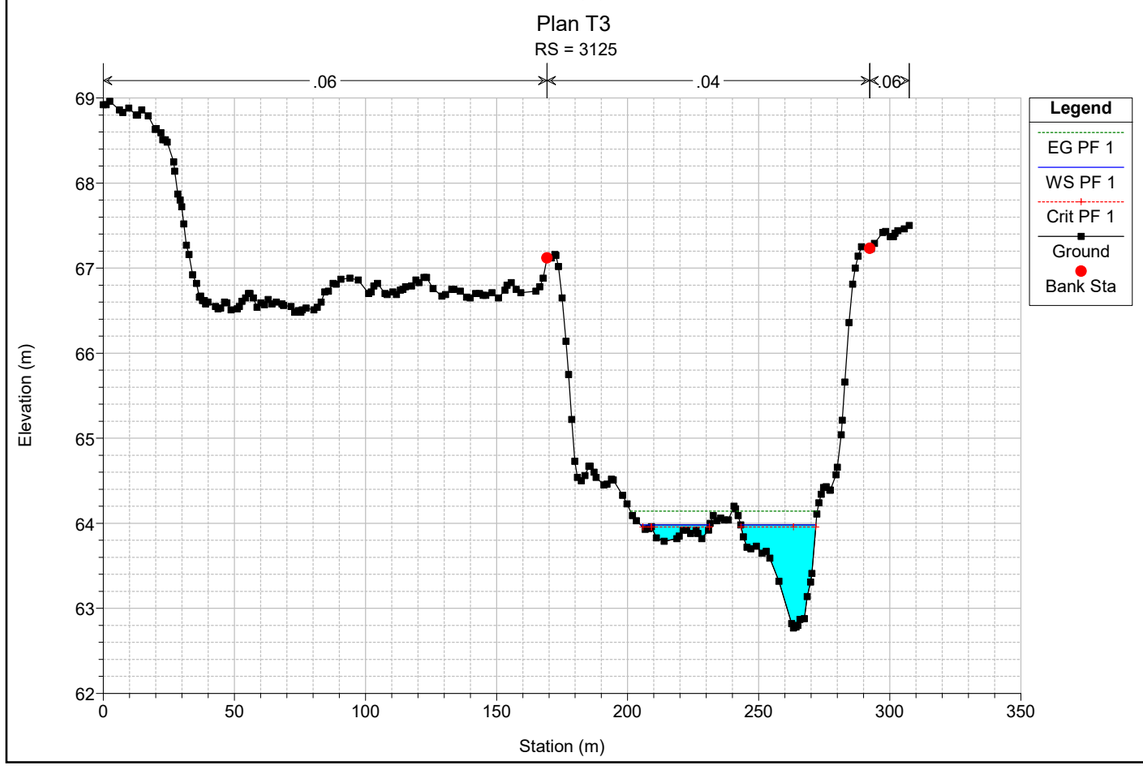

Plan T3
RS = 3303
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

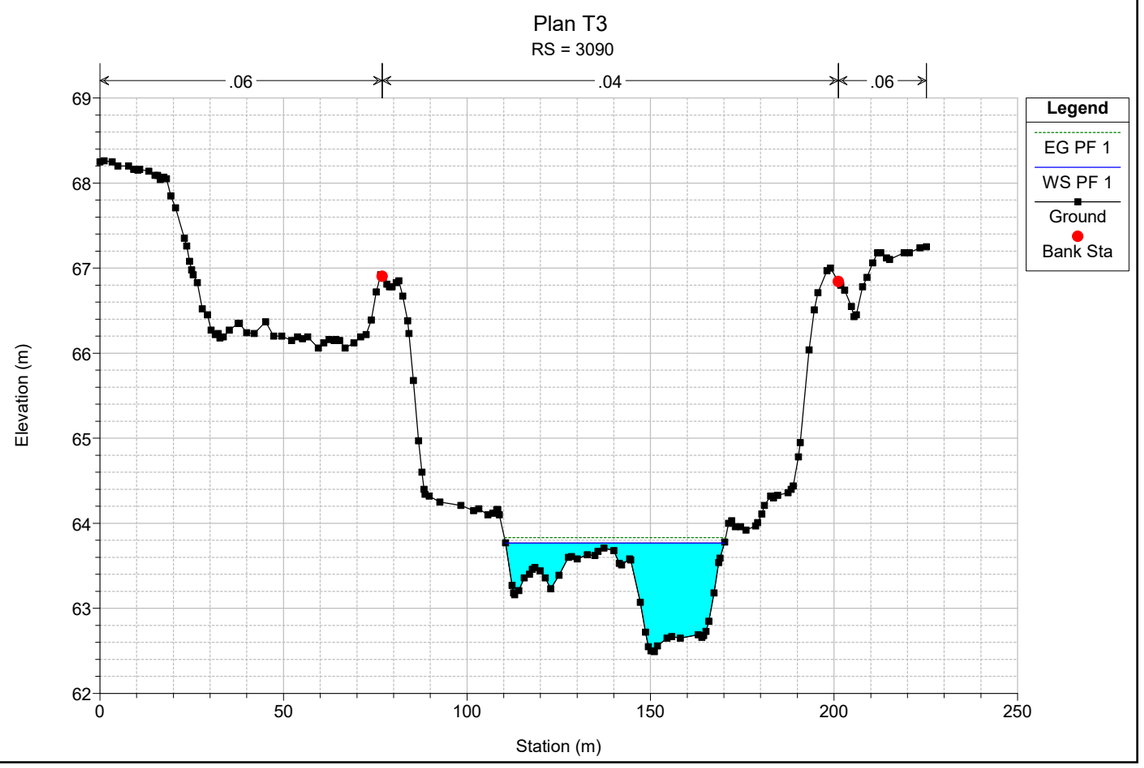

Plan T3
RS = 3262
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)


Plan T3
RS = 3226
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

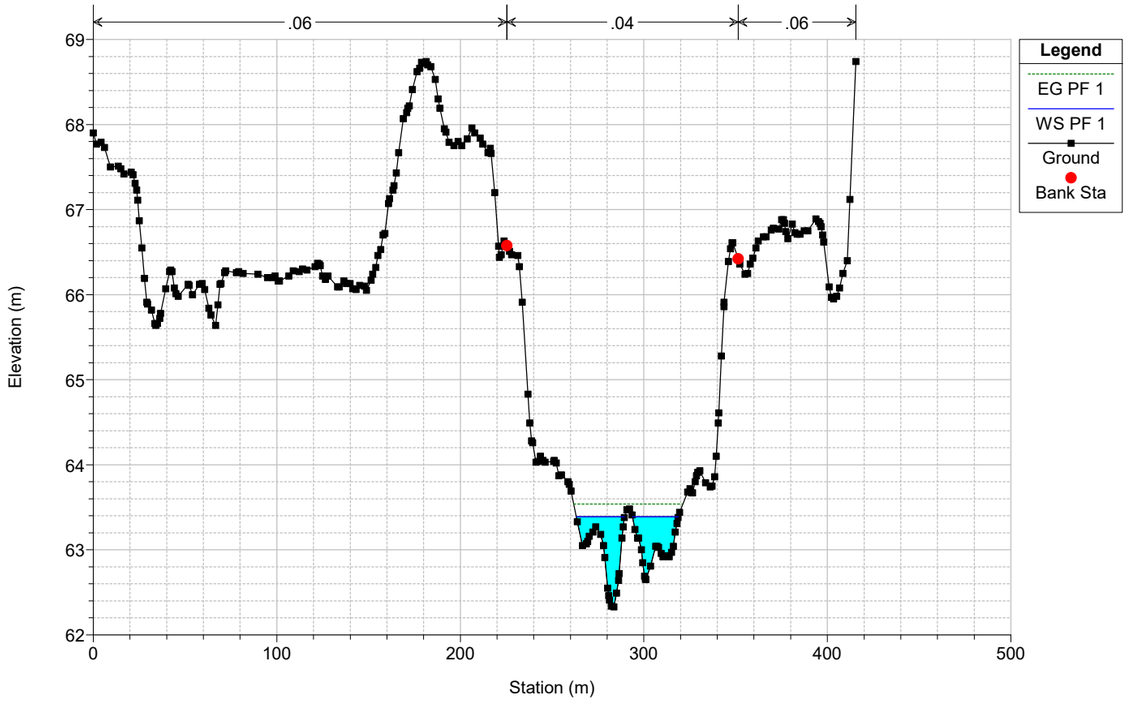

Plan T3
RS = 3193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)


Plan T3
RS = 3163
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

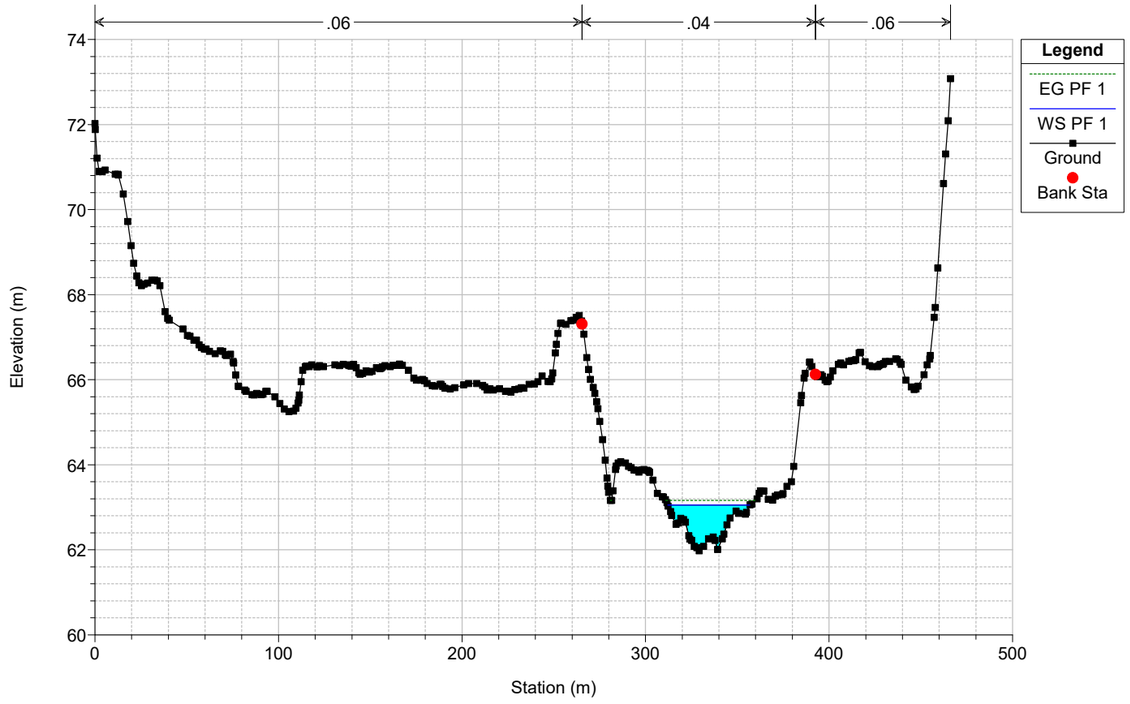

Plan T3
RS = 3125
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)


Plan T3
RS = 3090
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

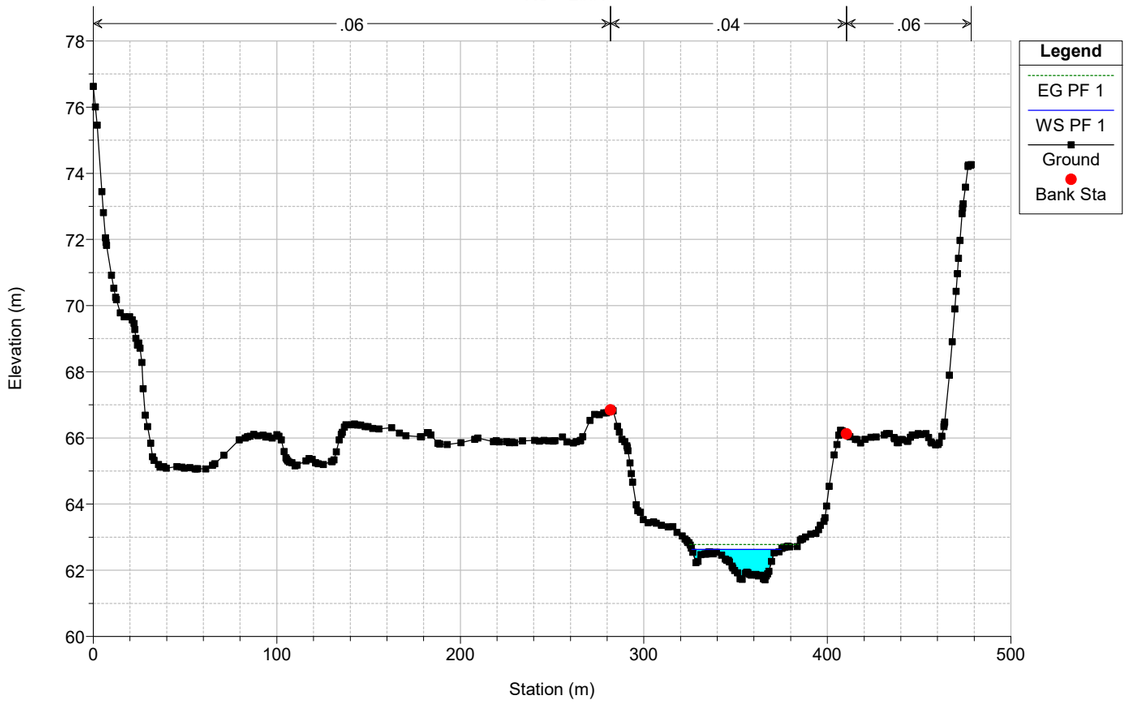
Plan T3
RS = 3052



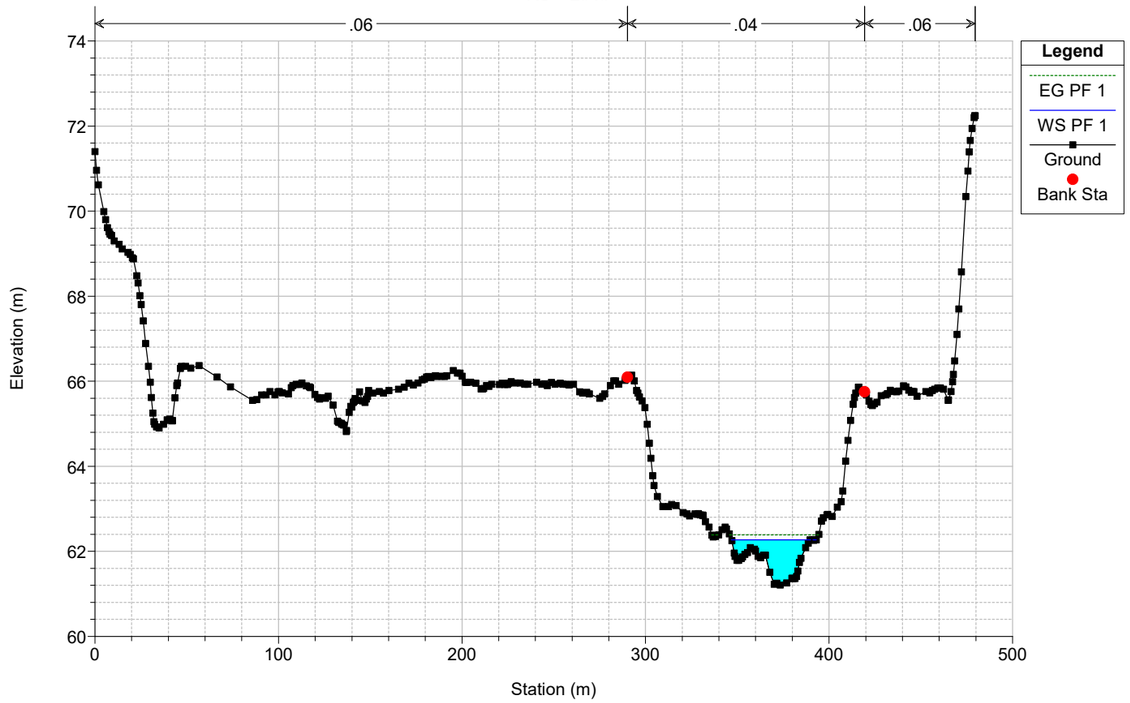
Plan T3
RS = 3018

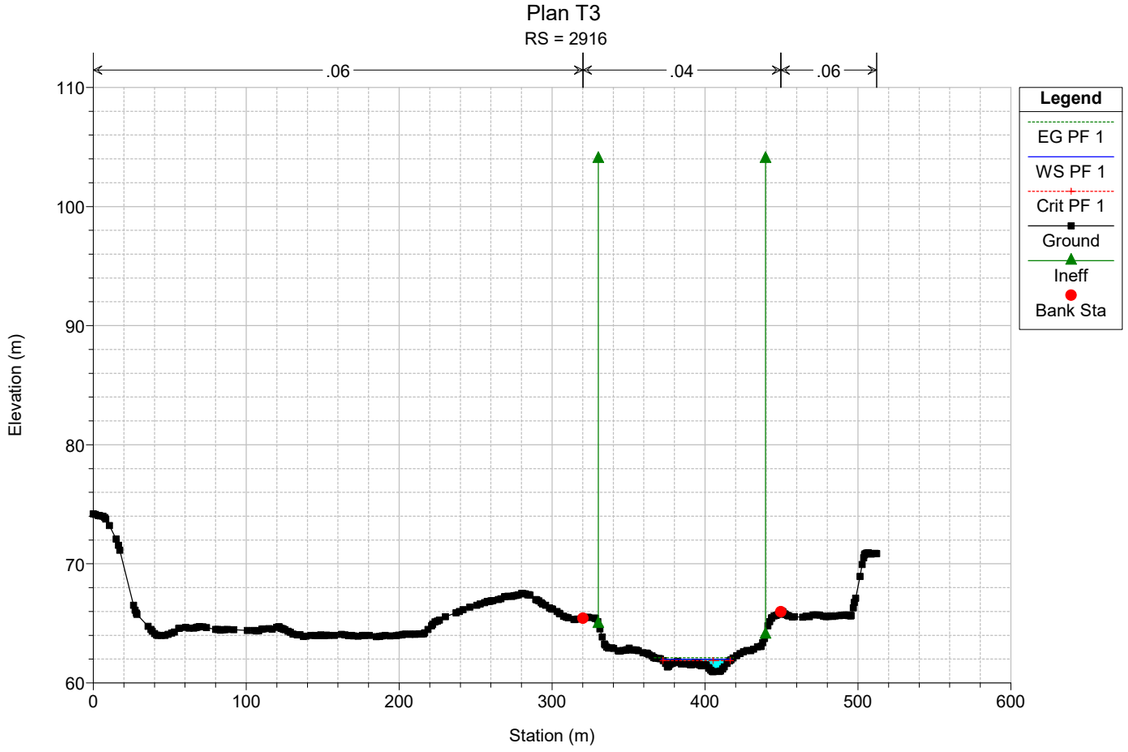


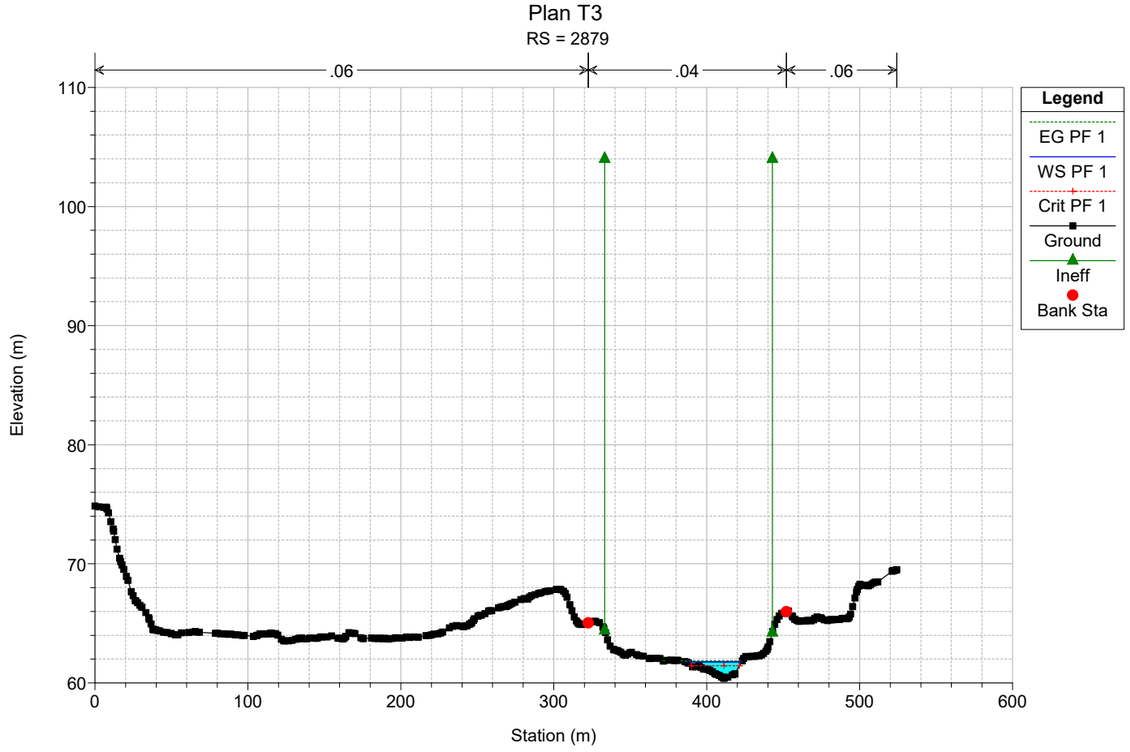
Plan T3
RS = 2981

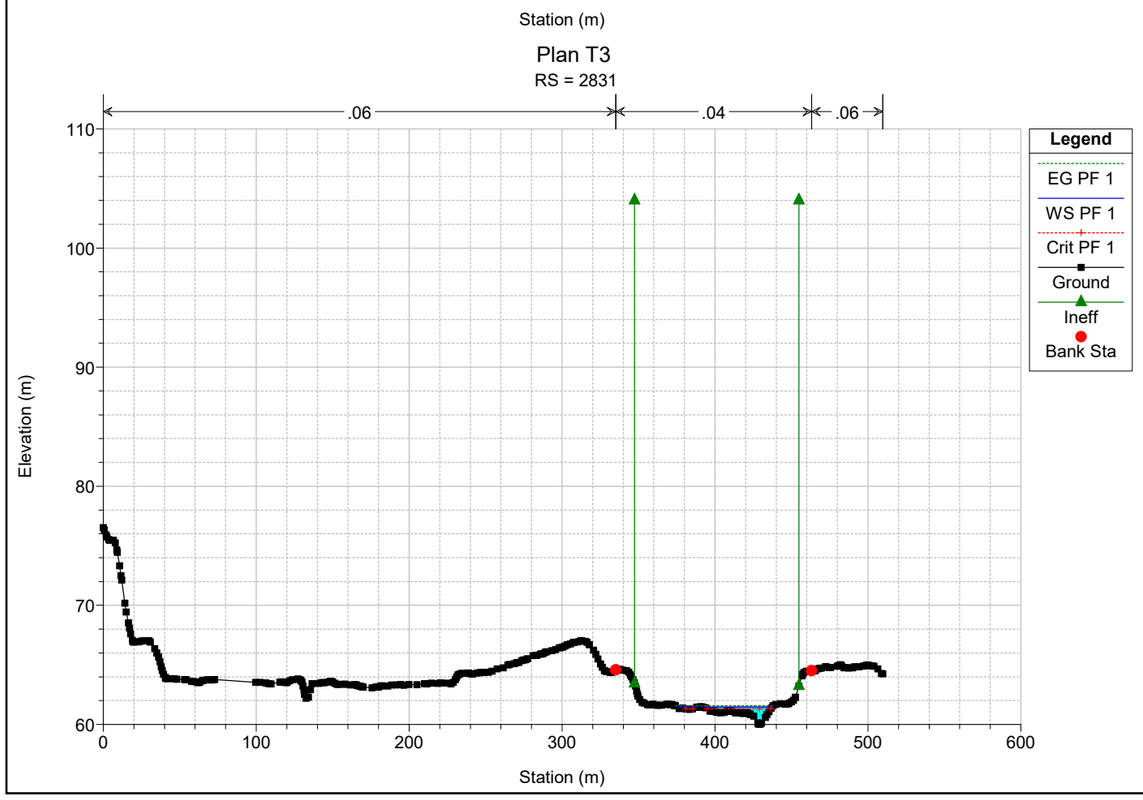


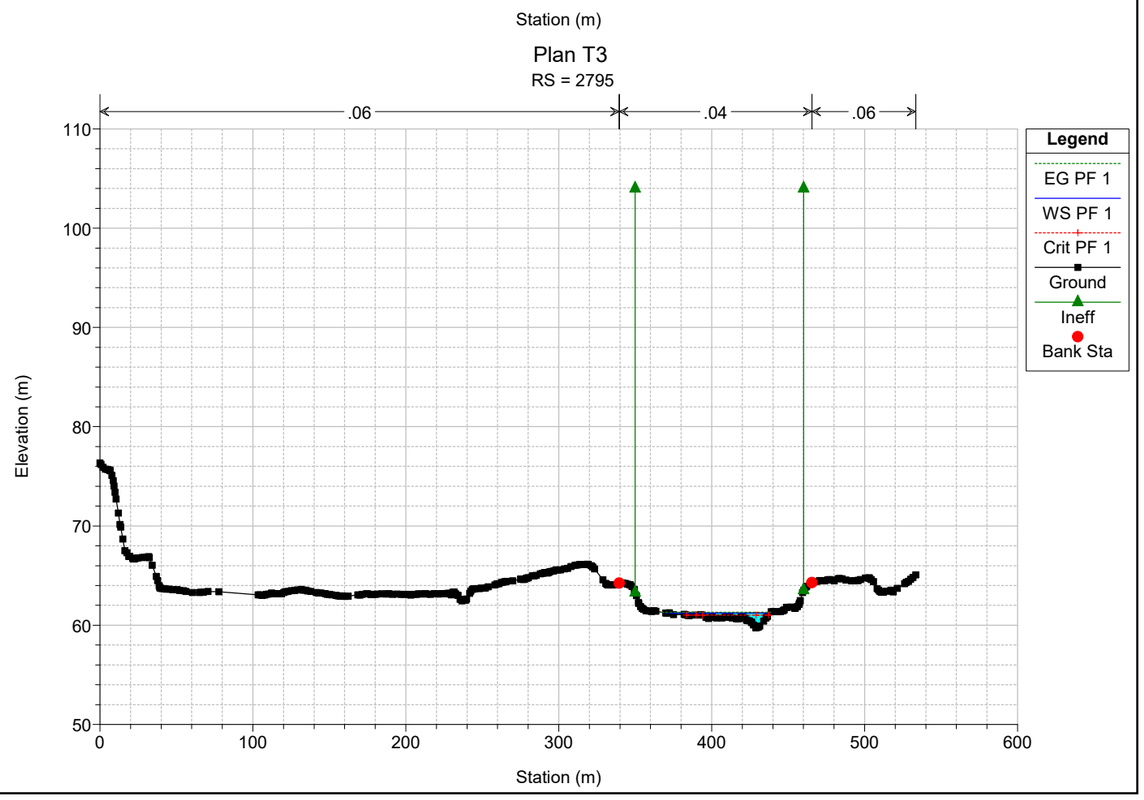
Plan T3
RS = 2945

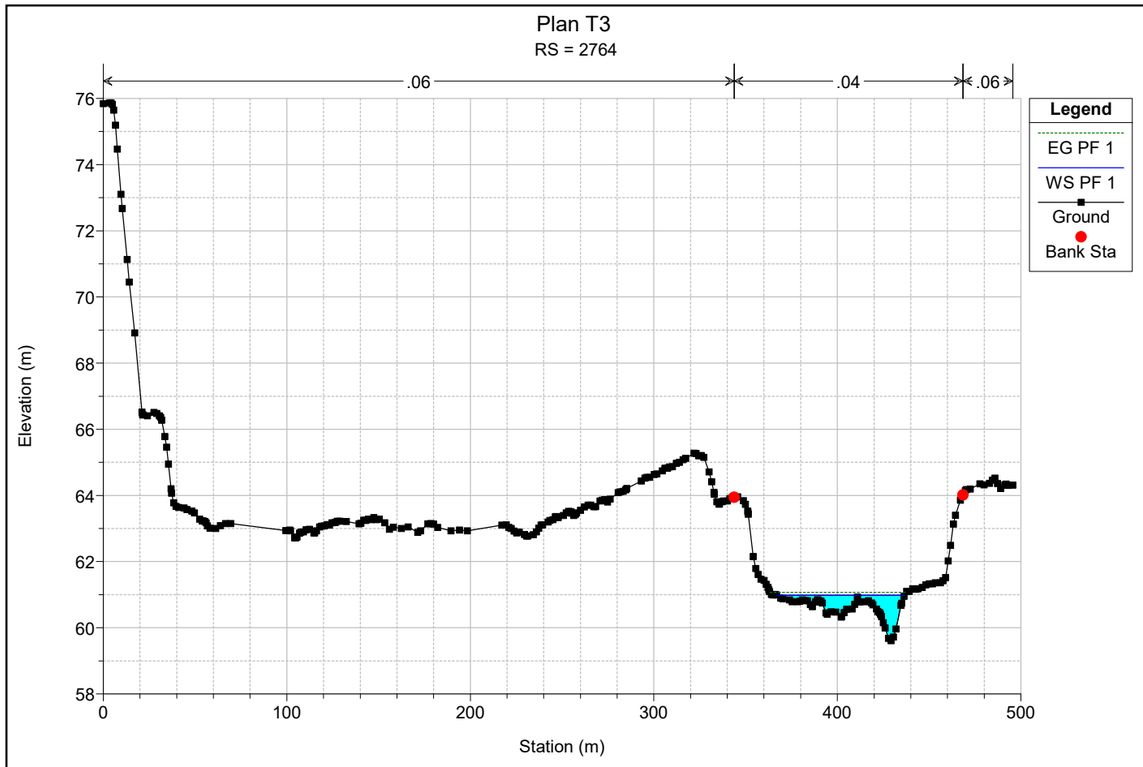


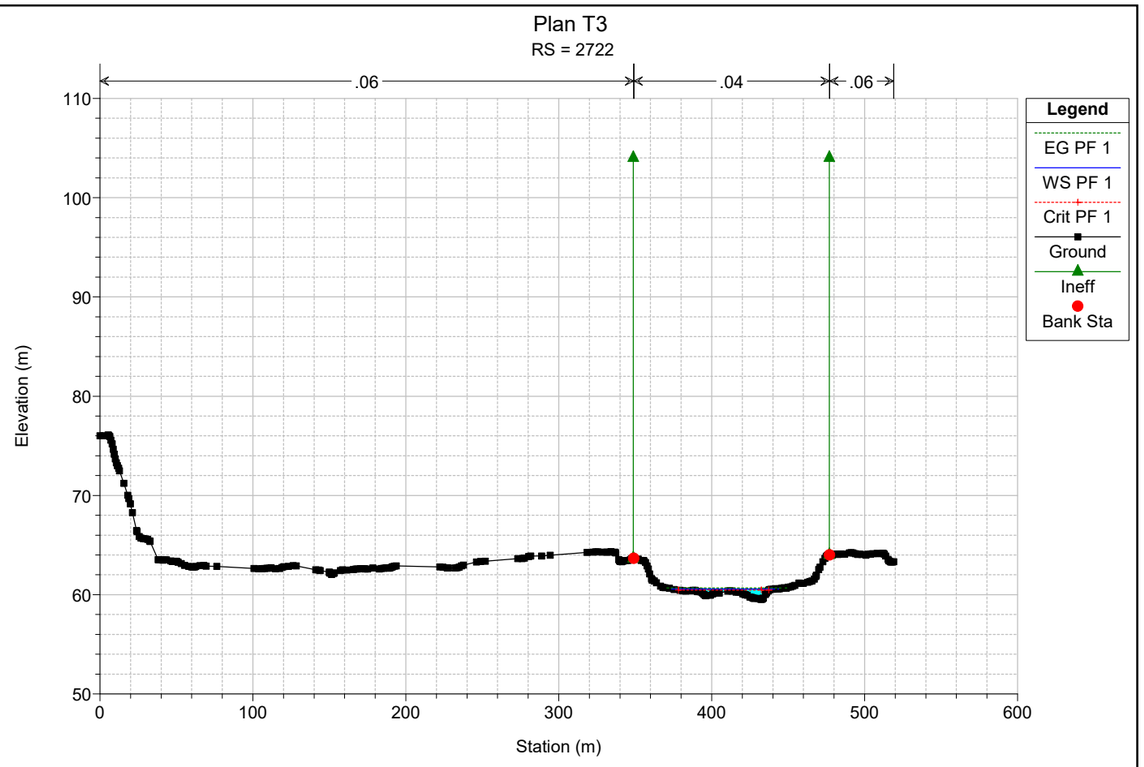

Plan T3
RS = 2916
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600

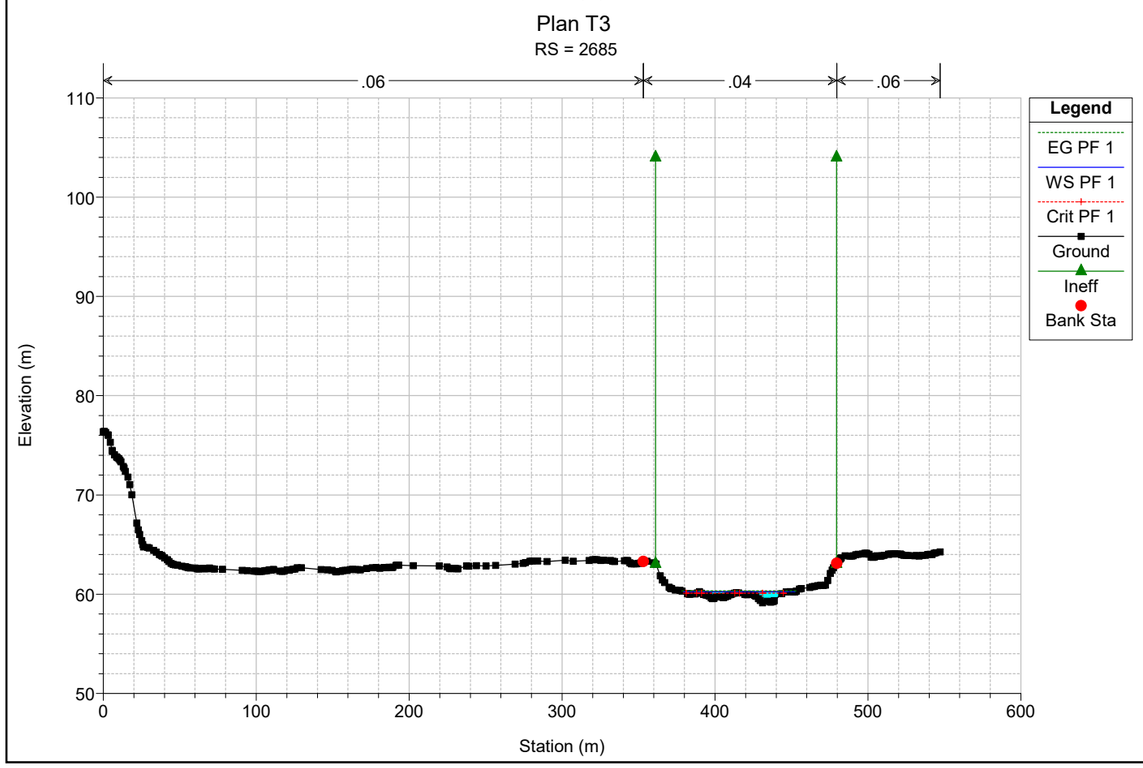

Plan T3
RS = 2879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600

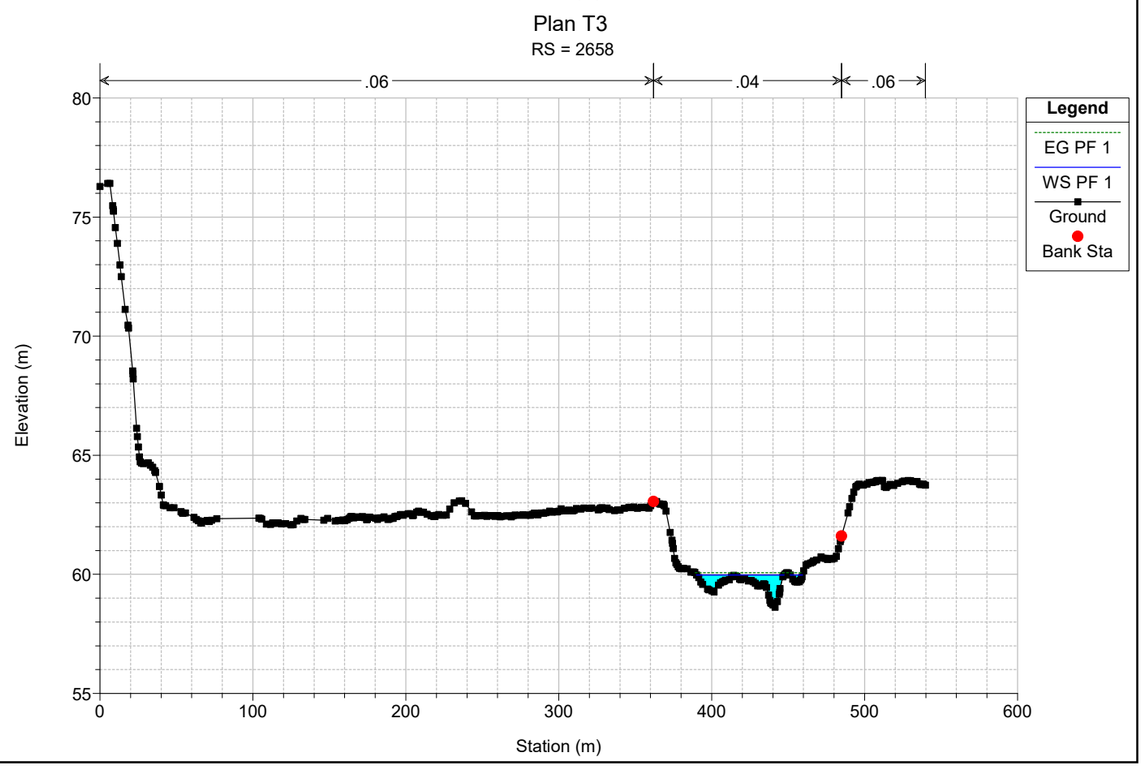

Plan T3
RS = 2831
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500
600


Plan T3
RS = 2795
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

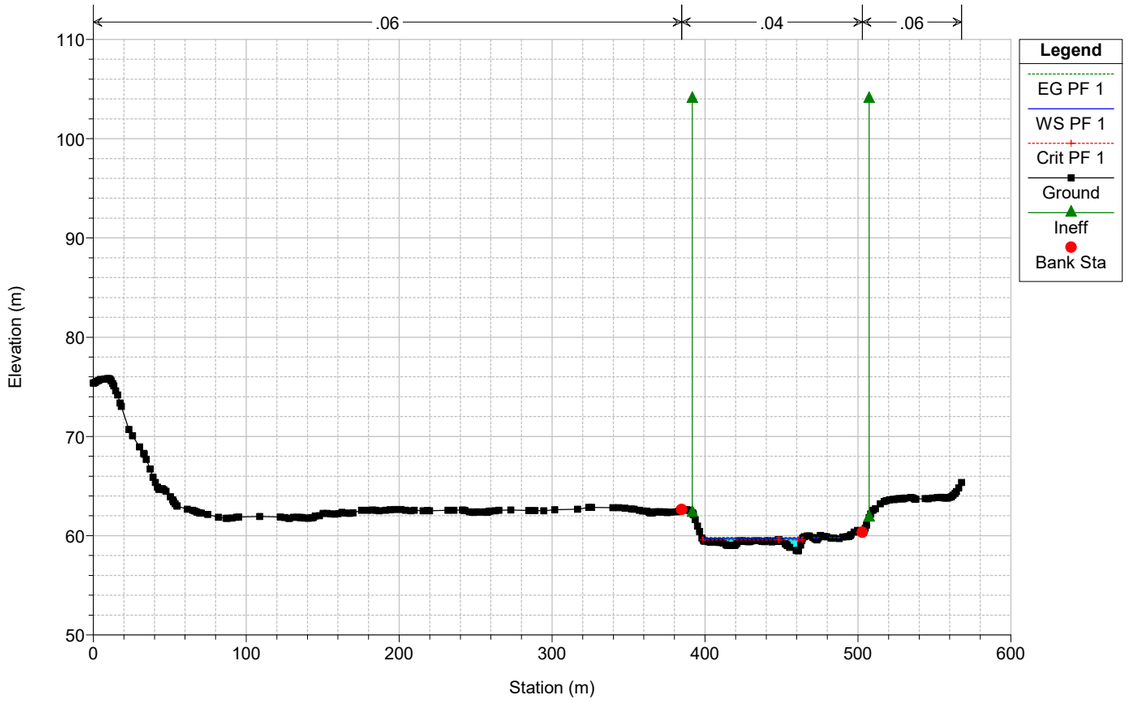

Plan T3
RS = 2764
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)


Plan T3
RS = 2722
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

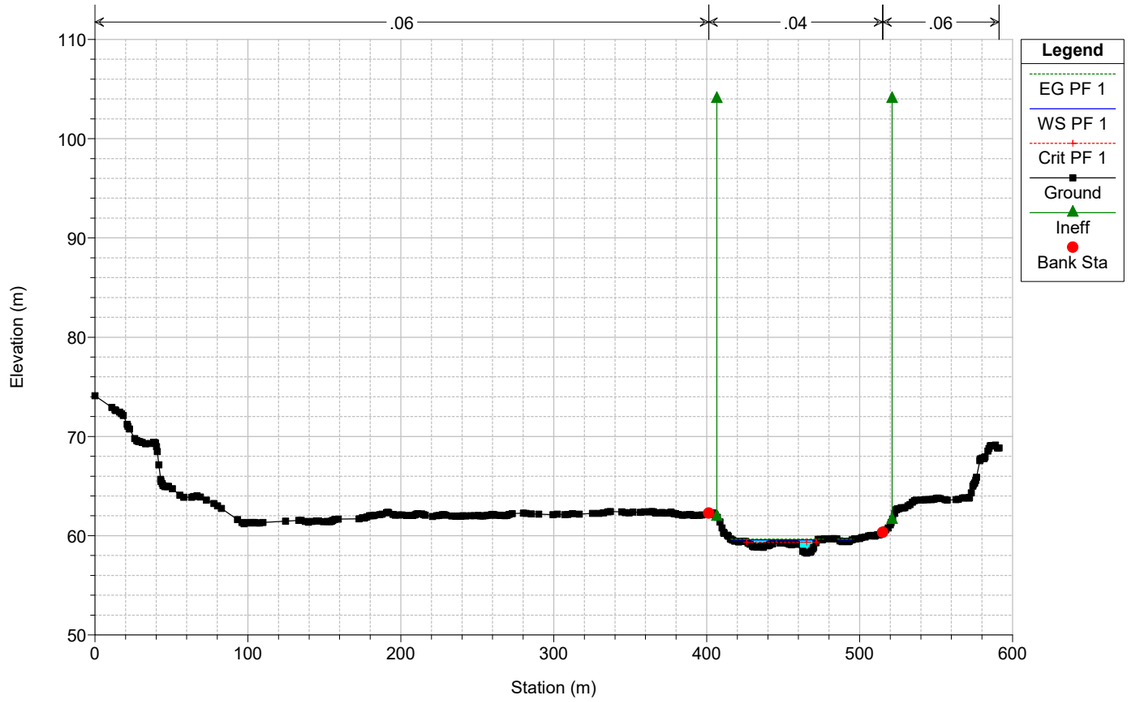

Plan T3
RS = 2685
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)


Plan T3
RS = 2658
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

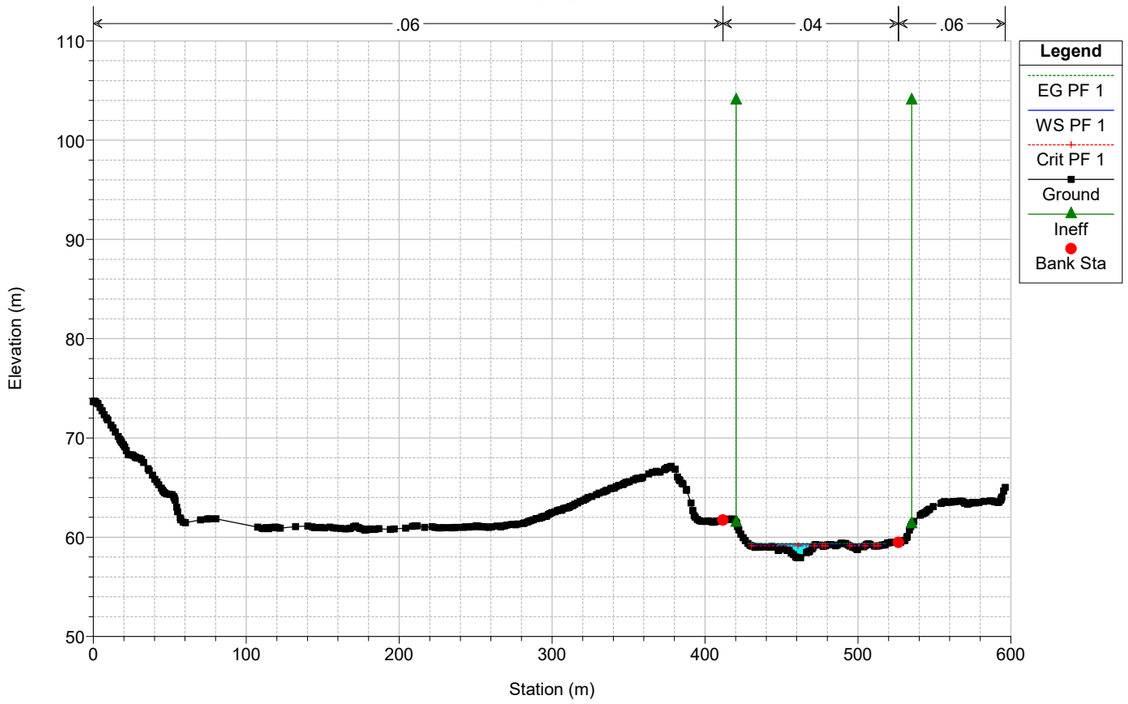
Plan T3
RS = 2626



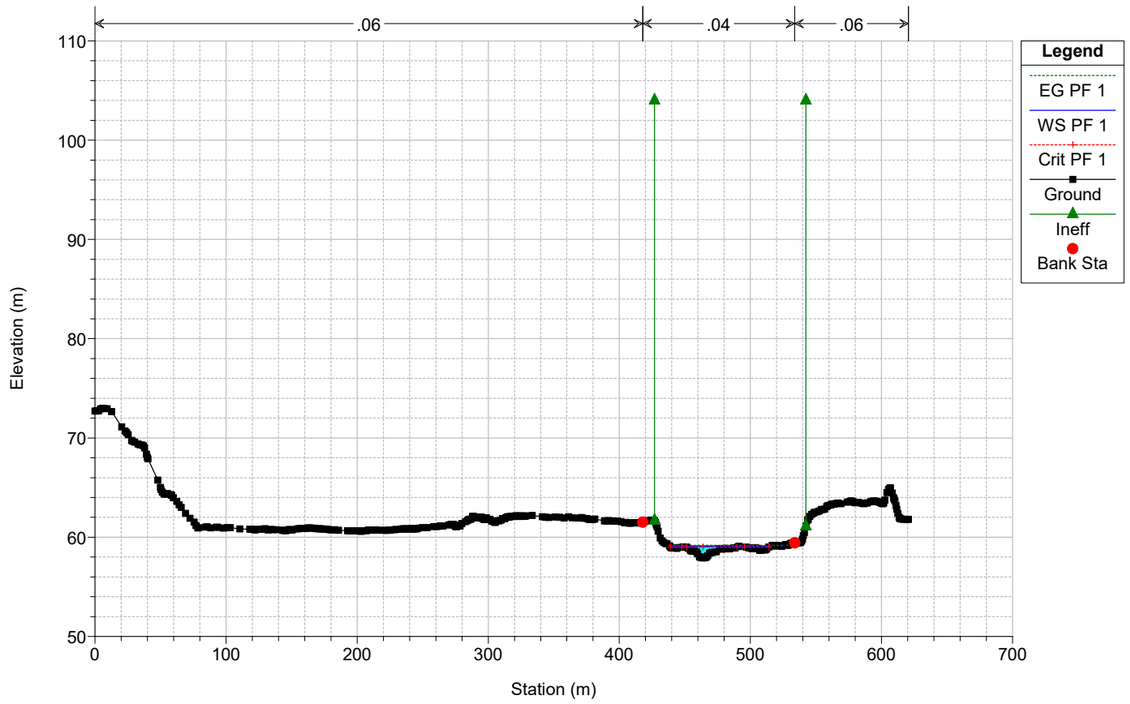
Plan T3
RS = 2600

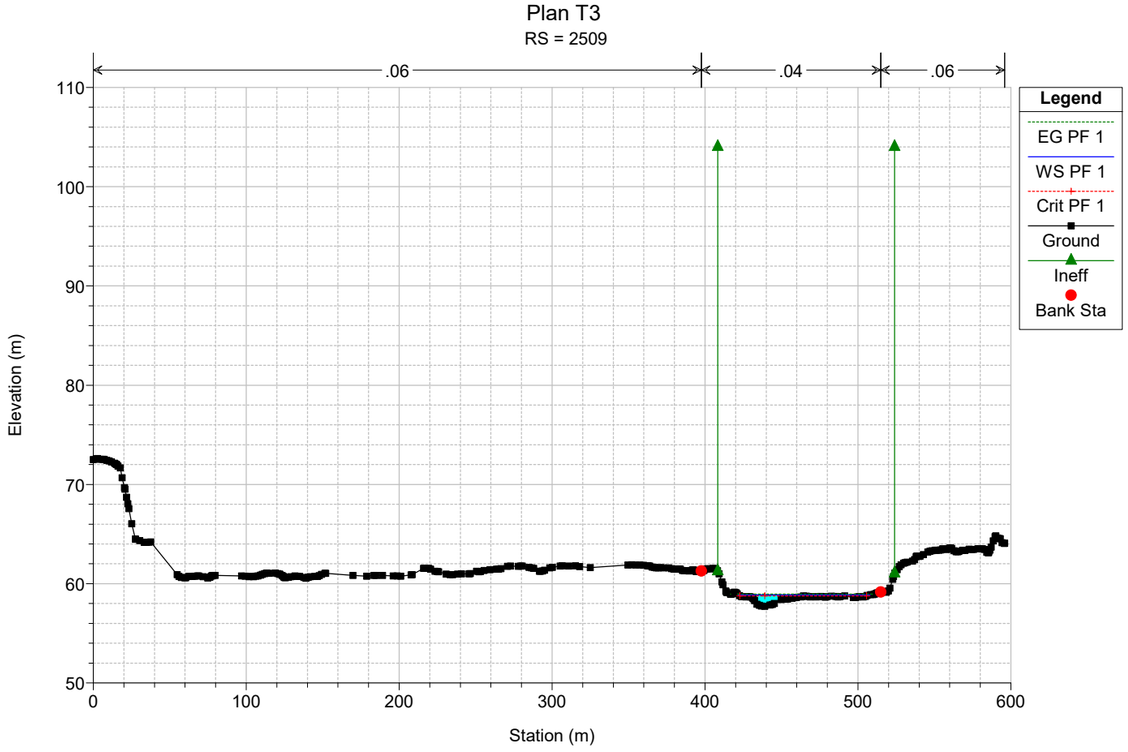


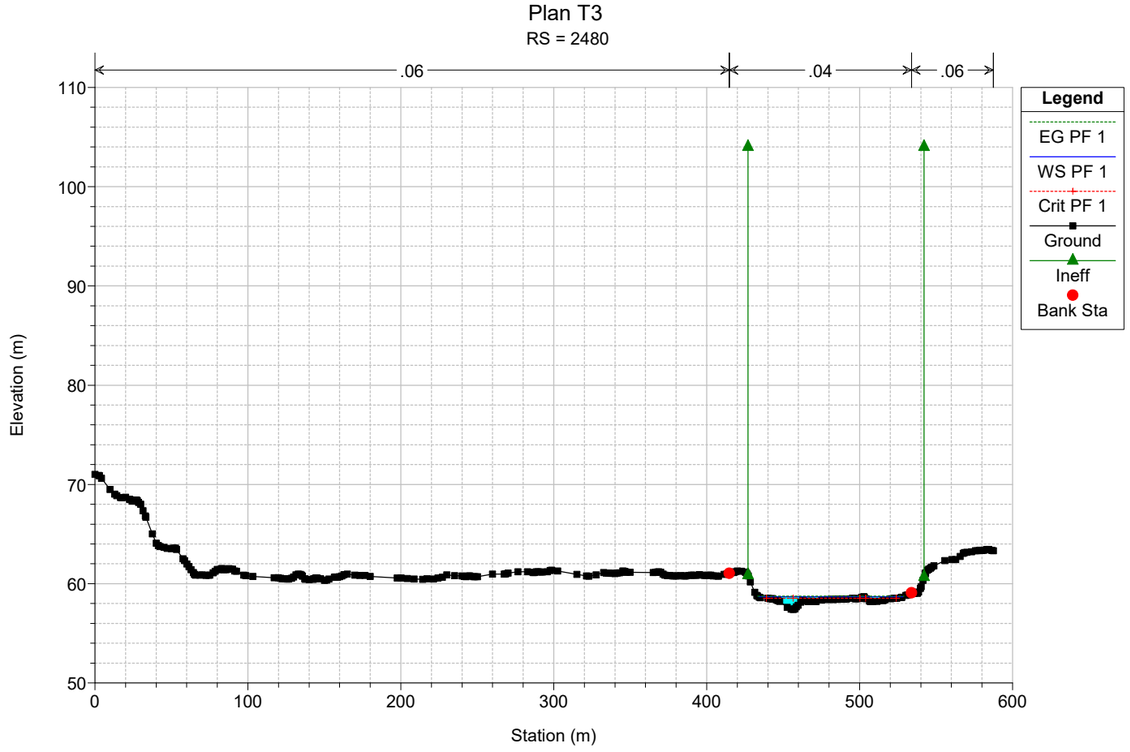
Plan T3
RS = 2556

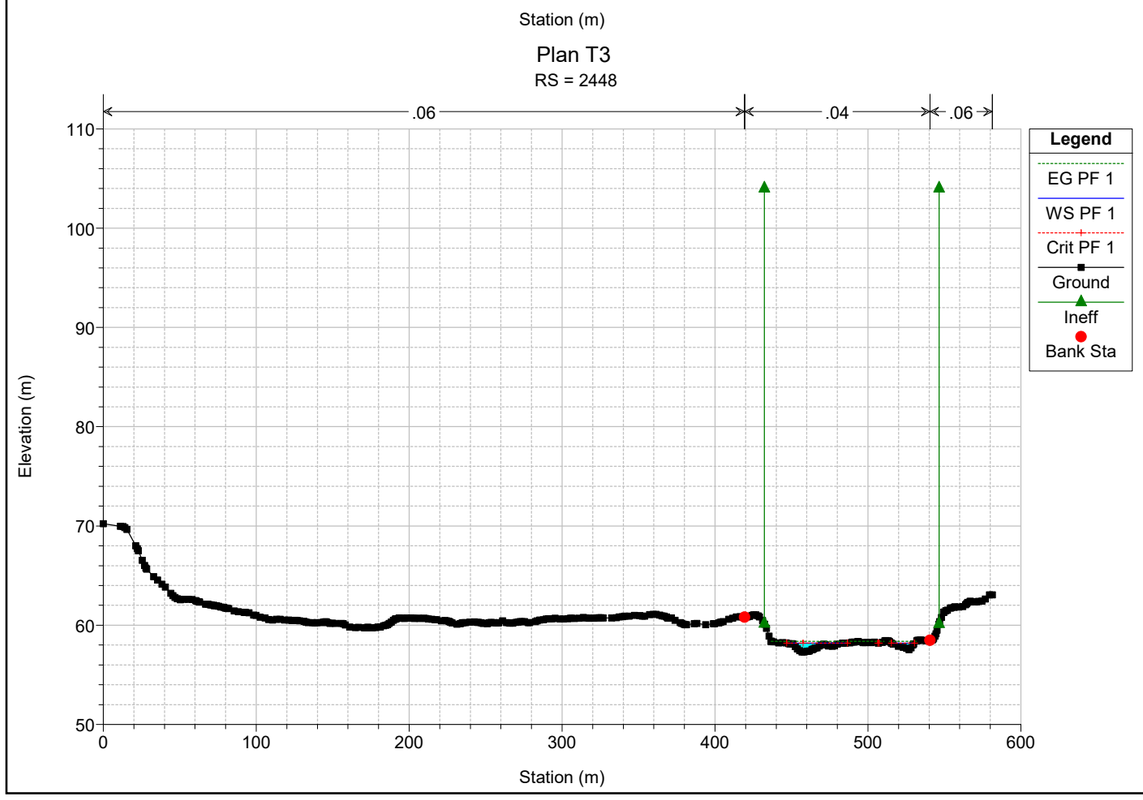


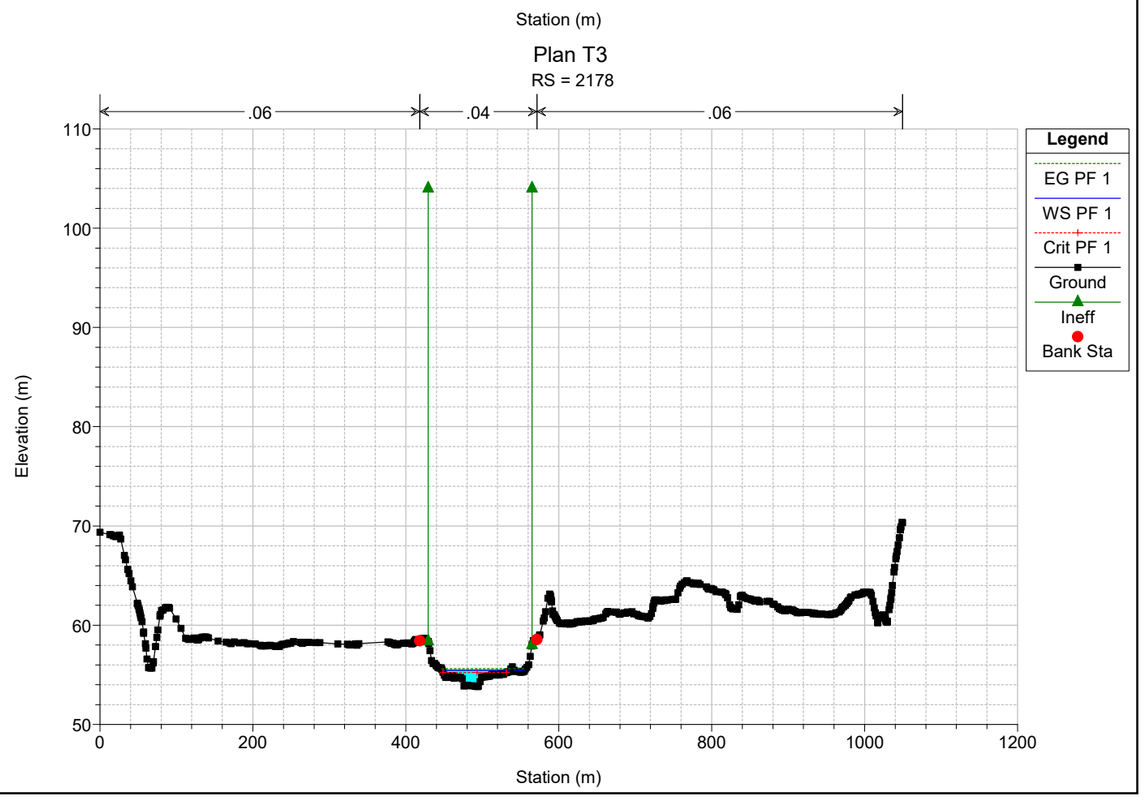
Plan T3
RS = 2535

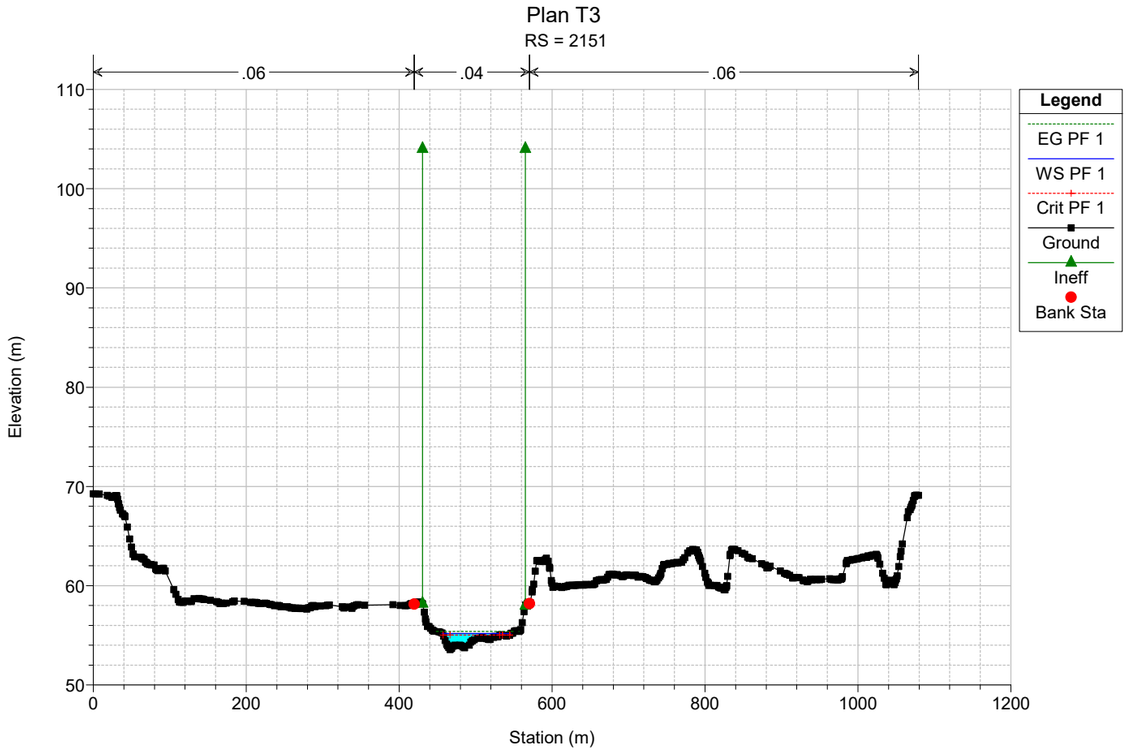


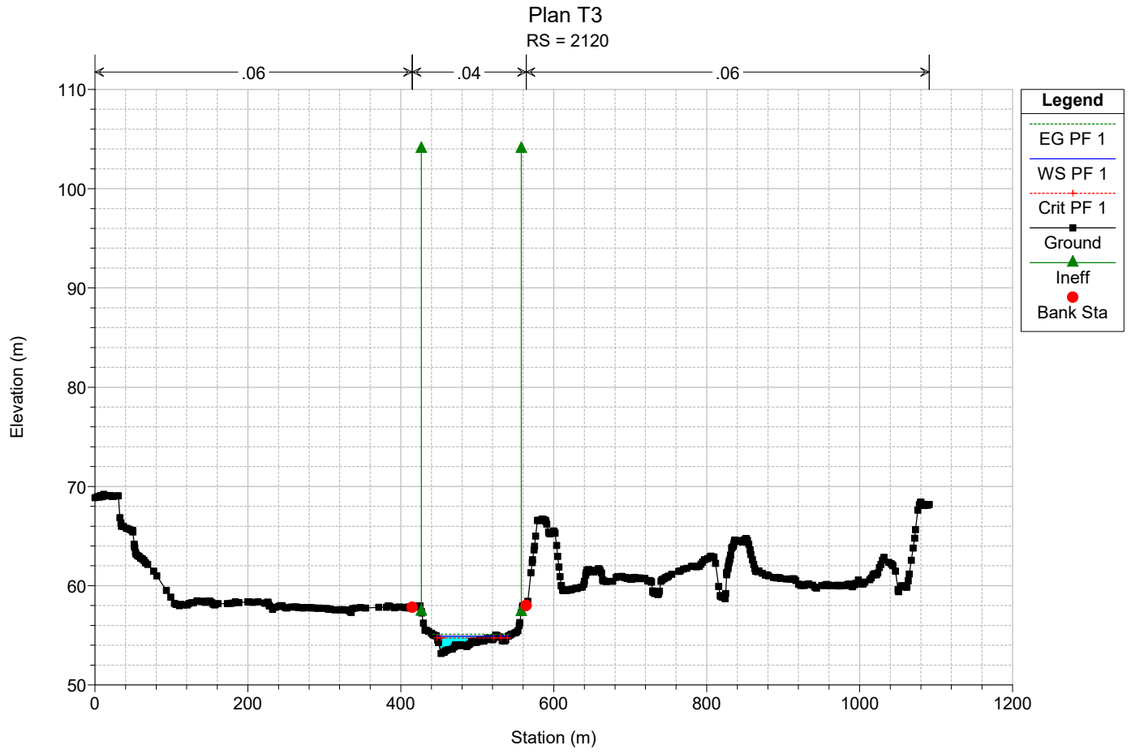

Plan T3
RS = 2509
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

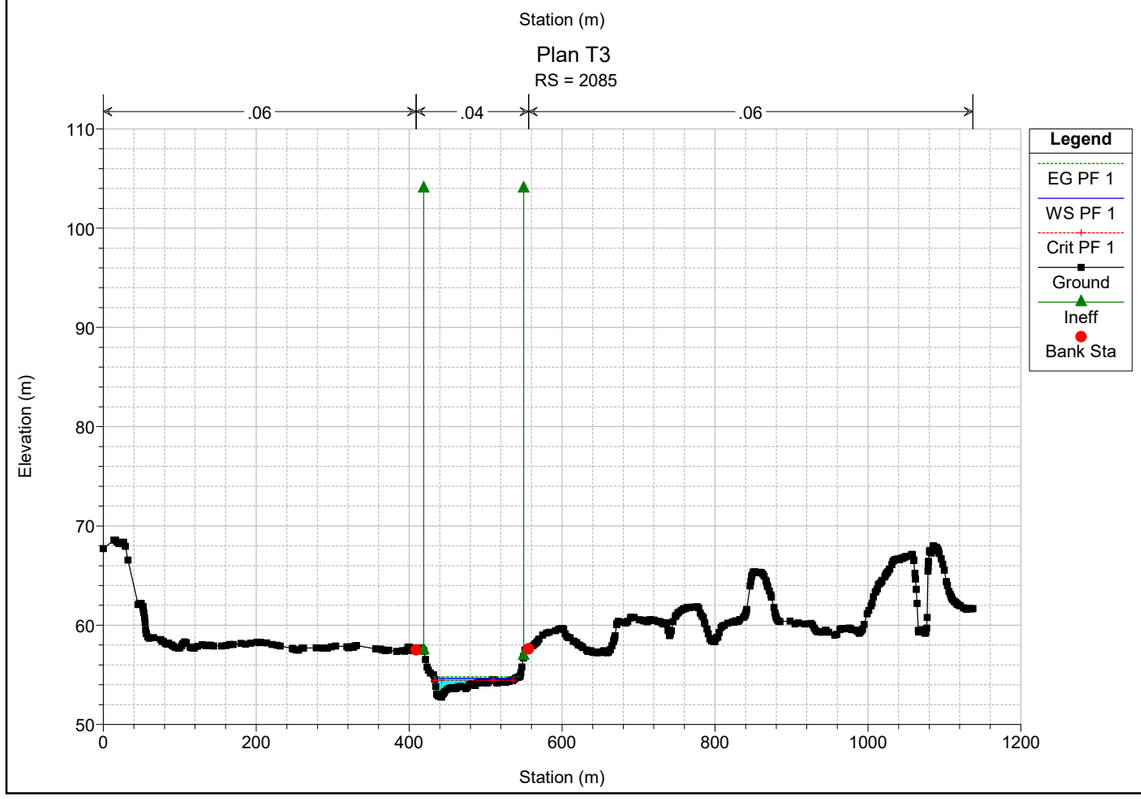

Plan T3
RS = 2480
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

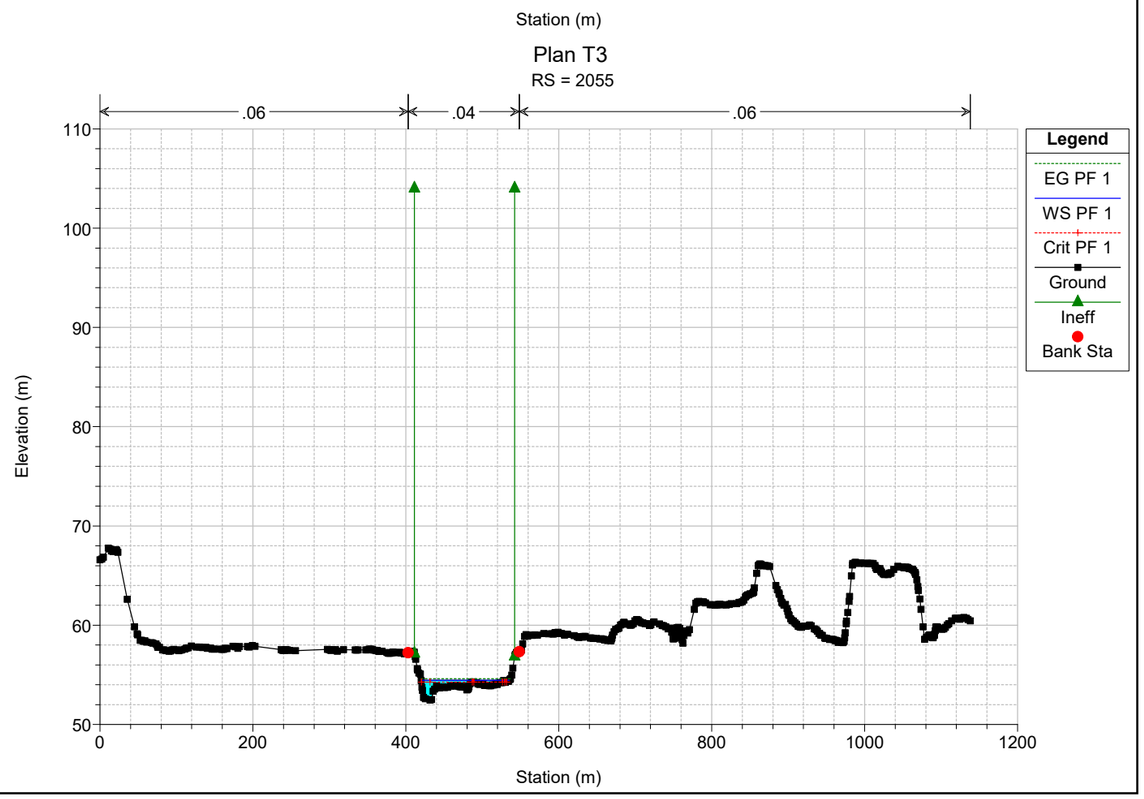

Plan T3
RS = 2448
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

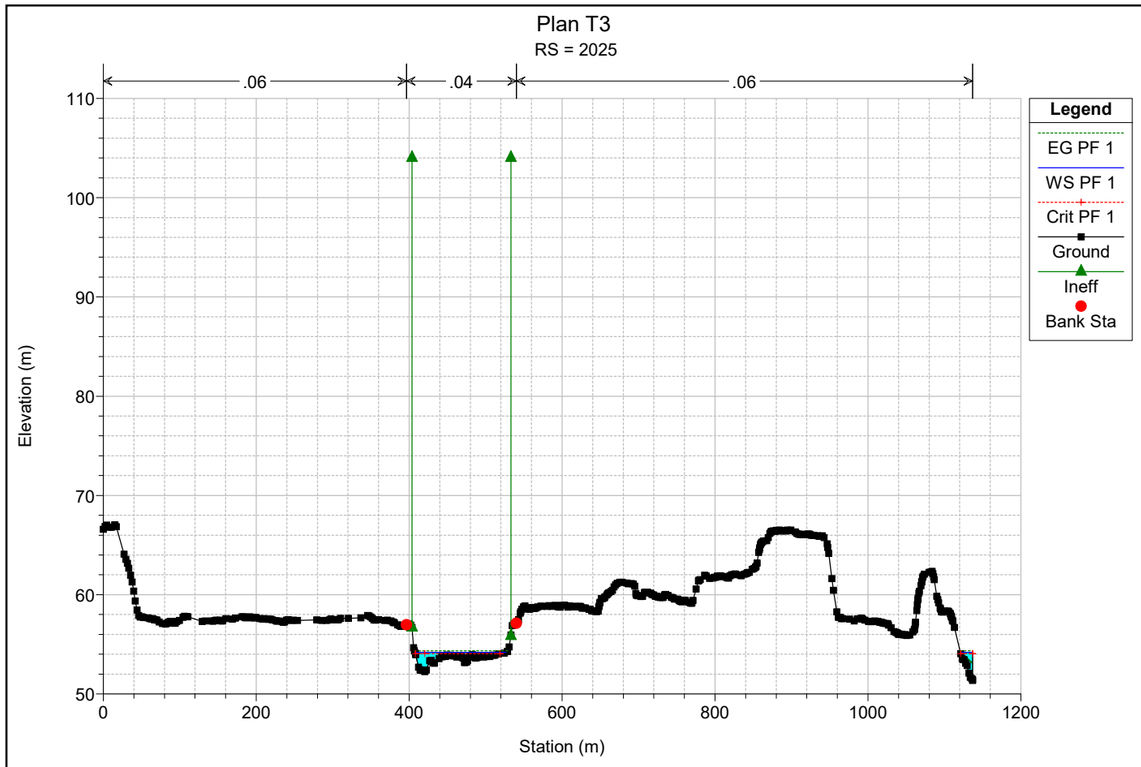

Plan T3
RS = 2178
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

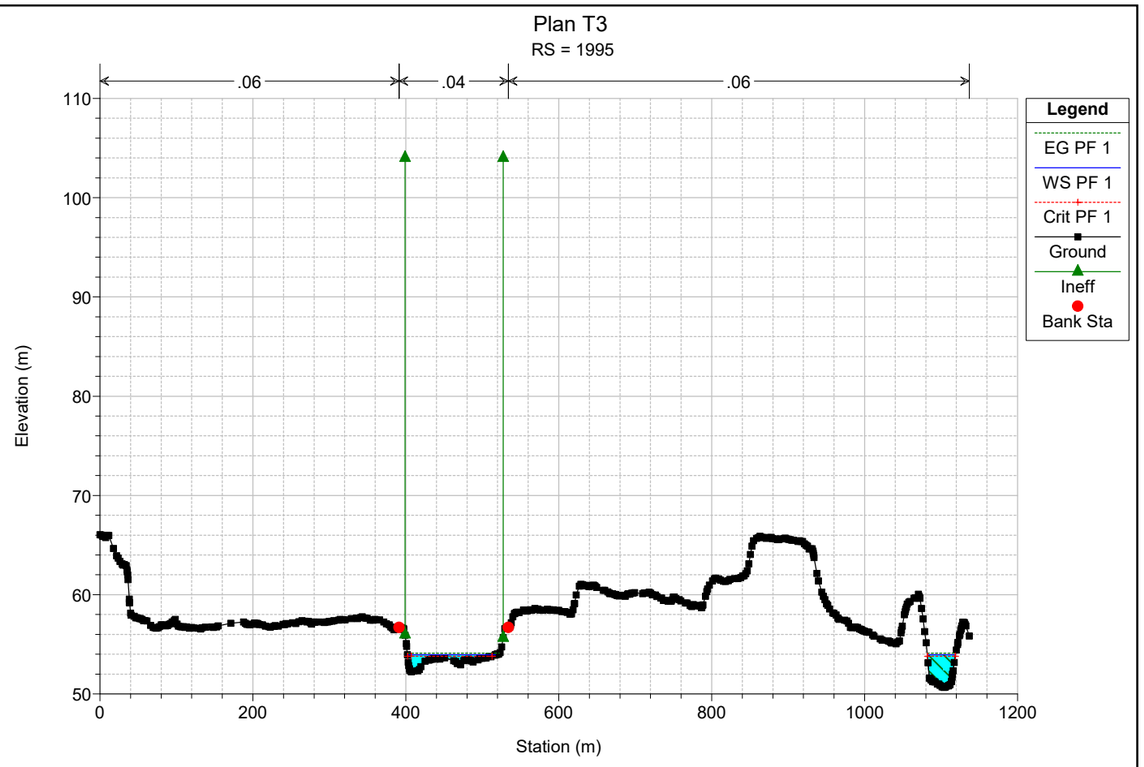

Plan T3
RS = 2151
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

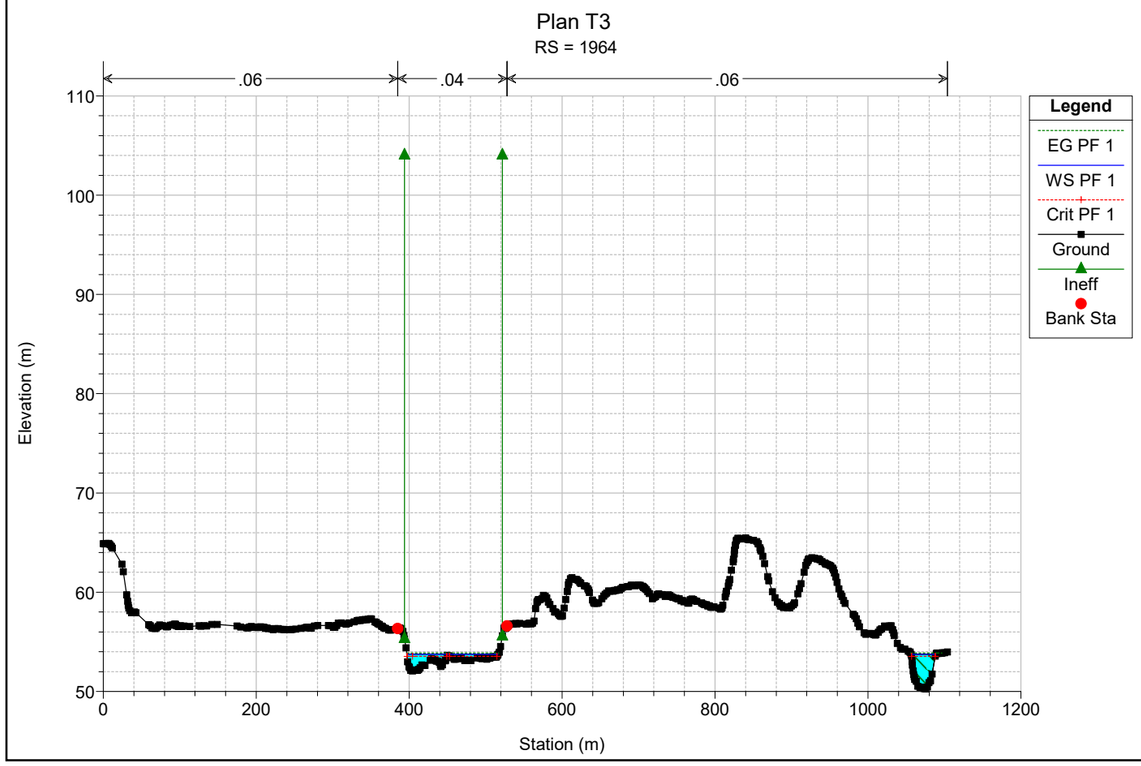

Plan T3
RS = 2120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

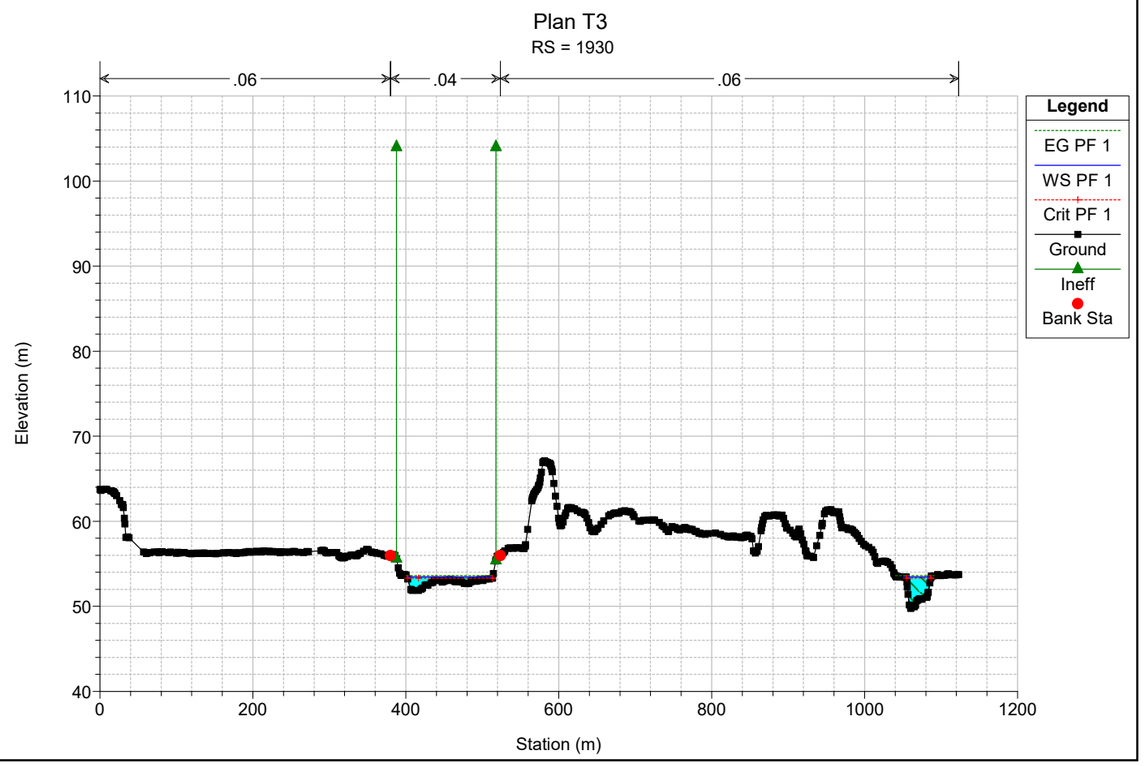

Plan T3
RS = 2085
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

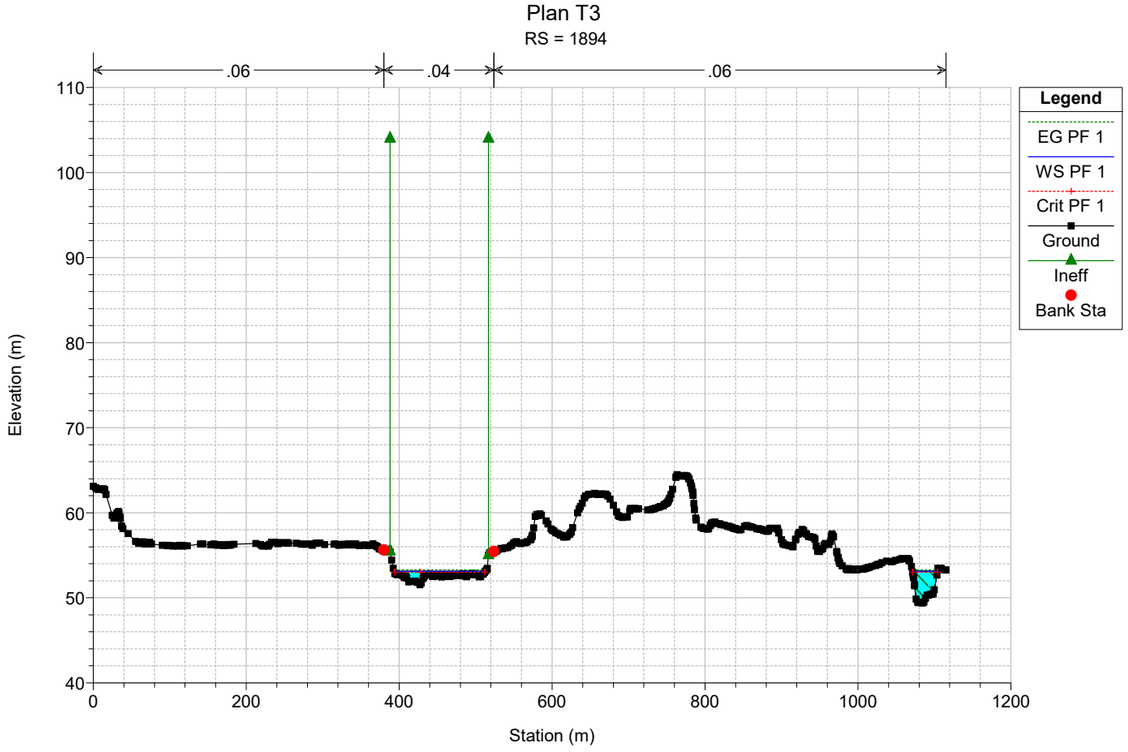

Plan T3
RS = 2055
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

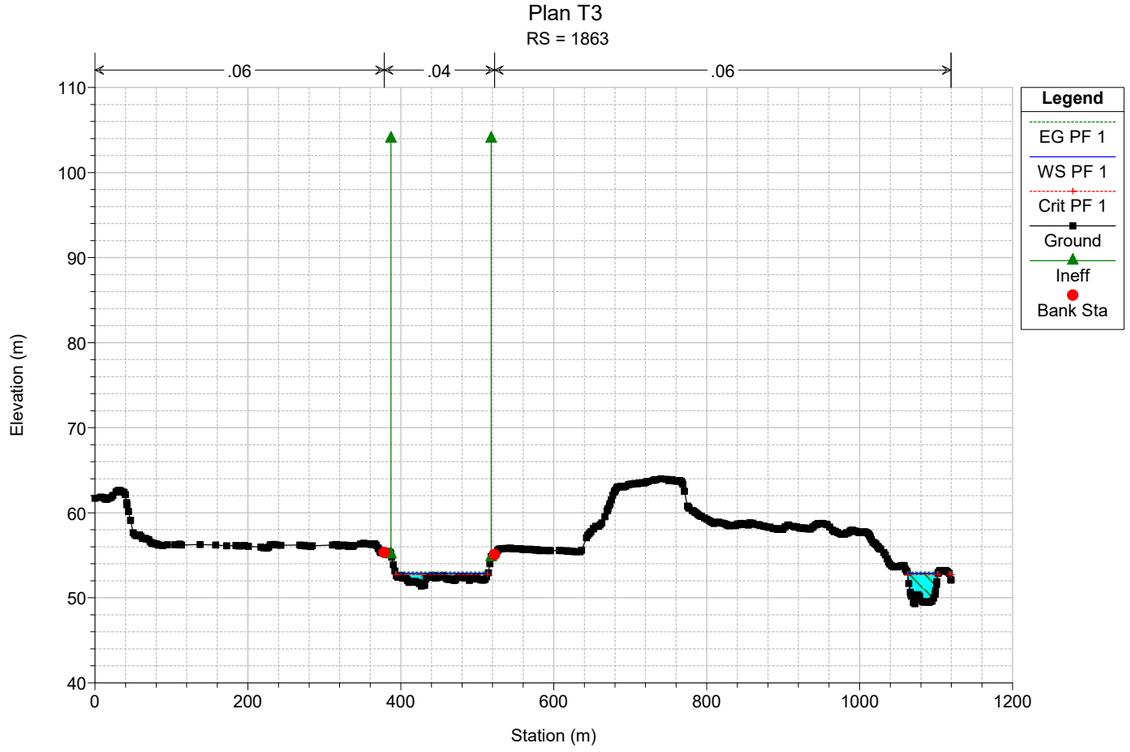

Plan T3
RS = 2025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

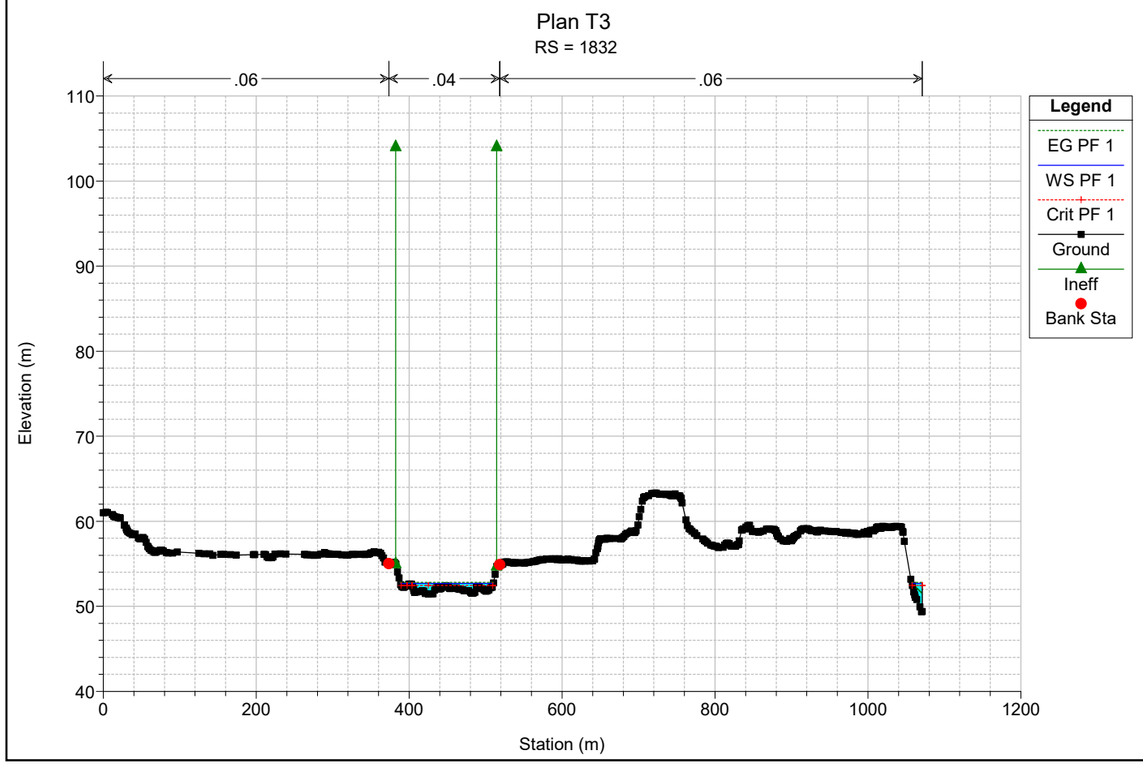

Plan T3
RS = 1995
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

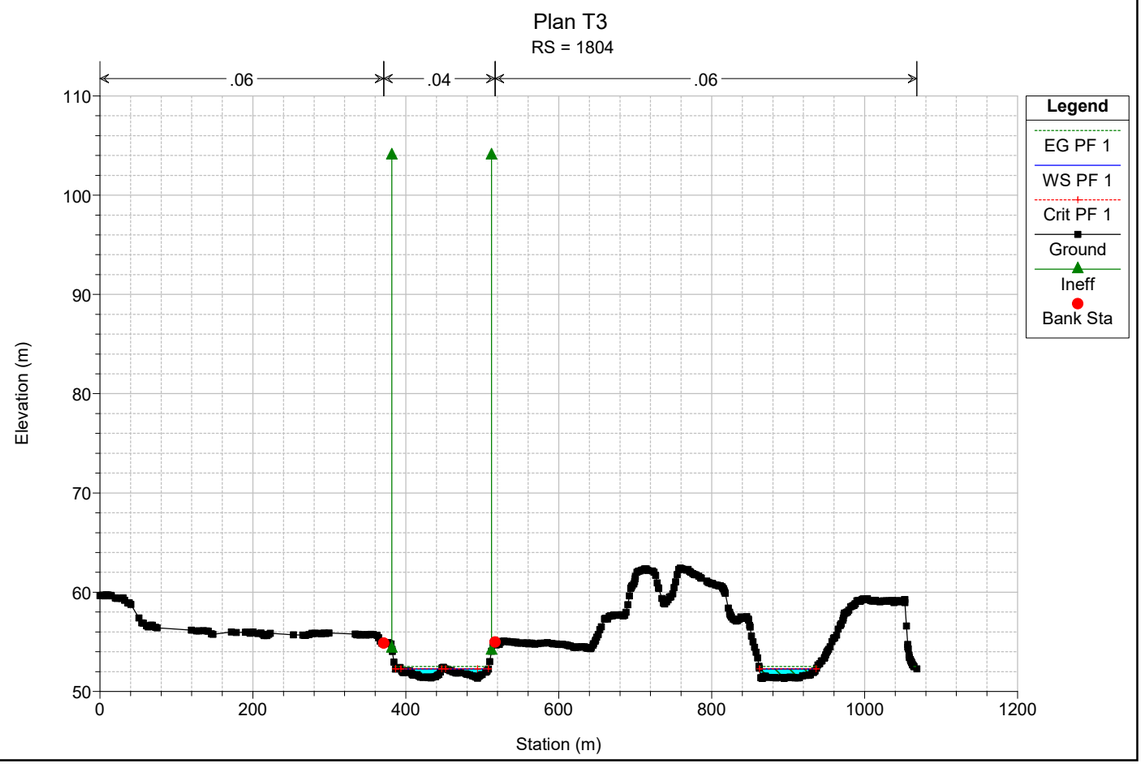

Plan T3
RS = 1964
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

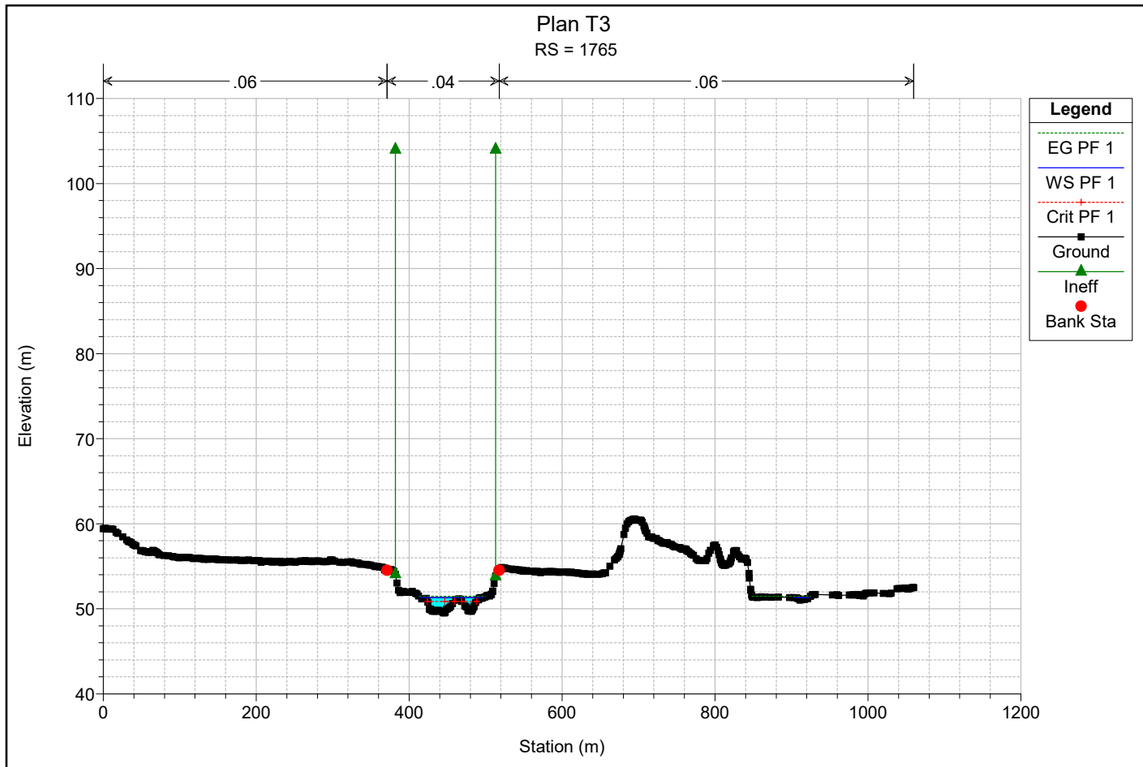

Plan T3
RS = 1930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

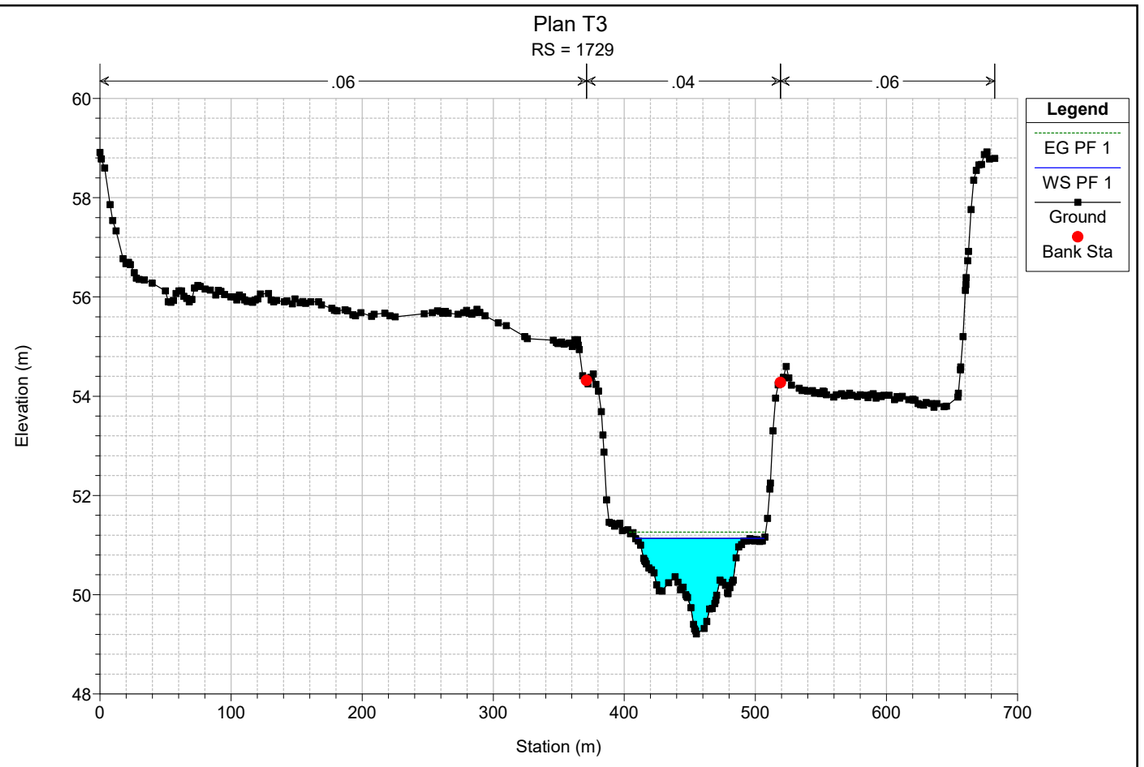

Plan T3
RS = 1894
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

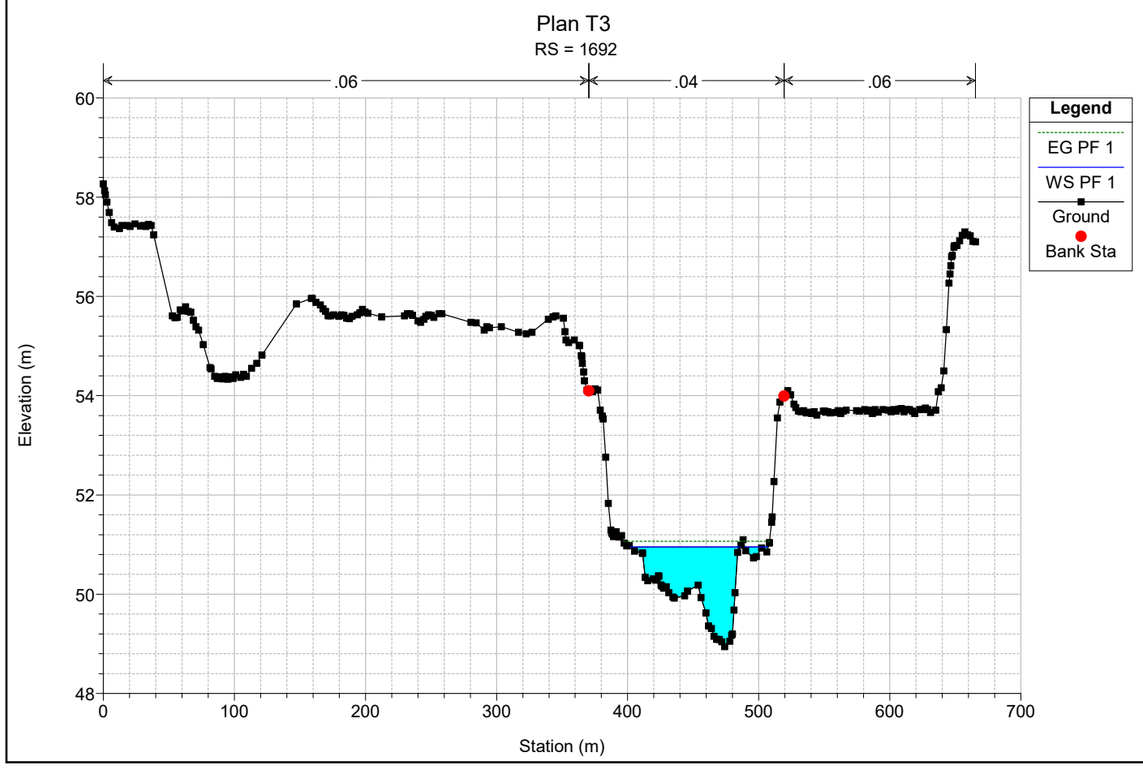

Plan T3
RS = 1863
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

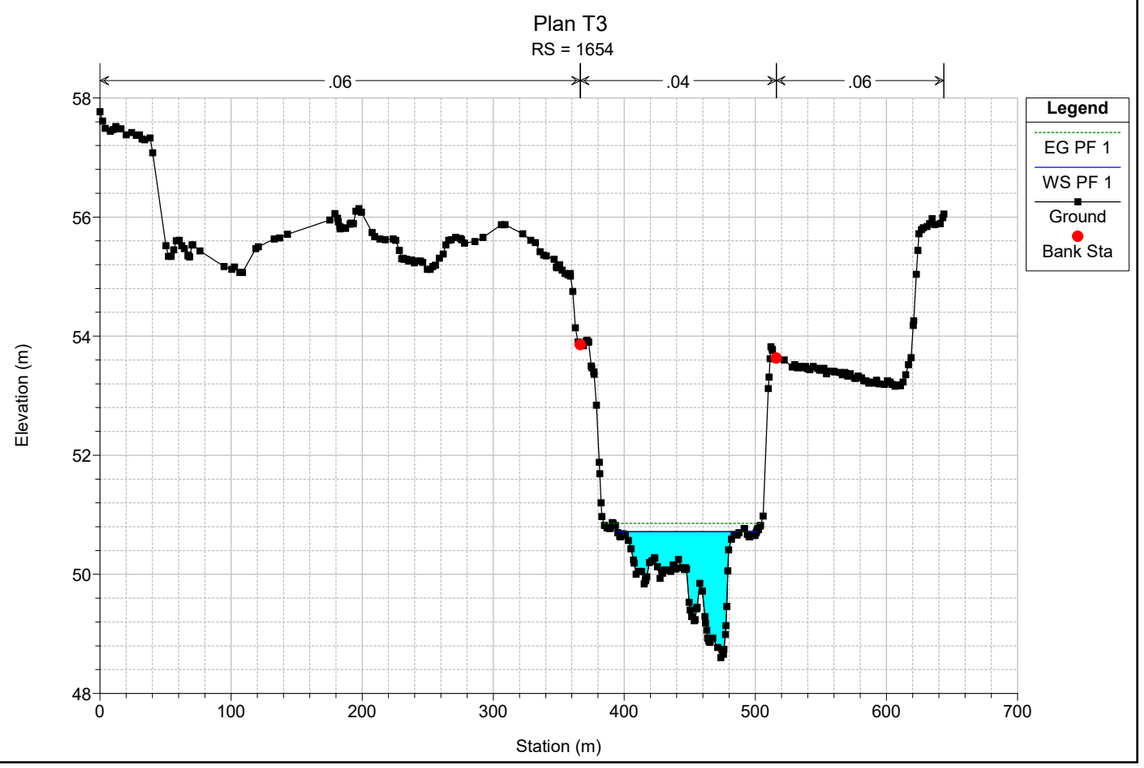

Plan T3
RS = 1832
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

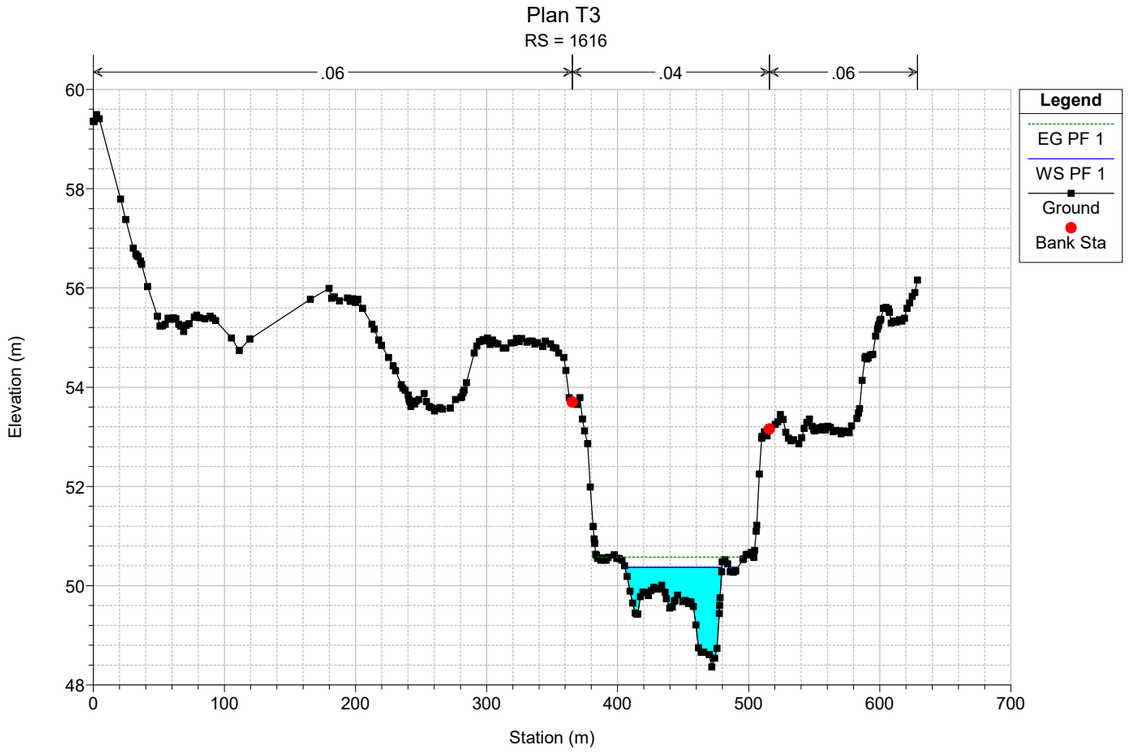

Plan T3
RS = 1804
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

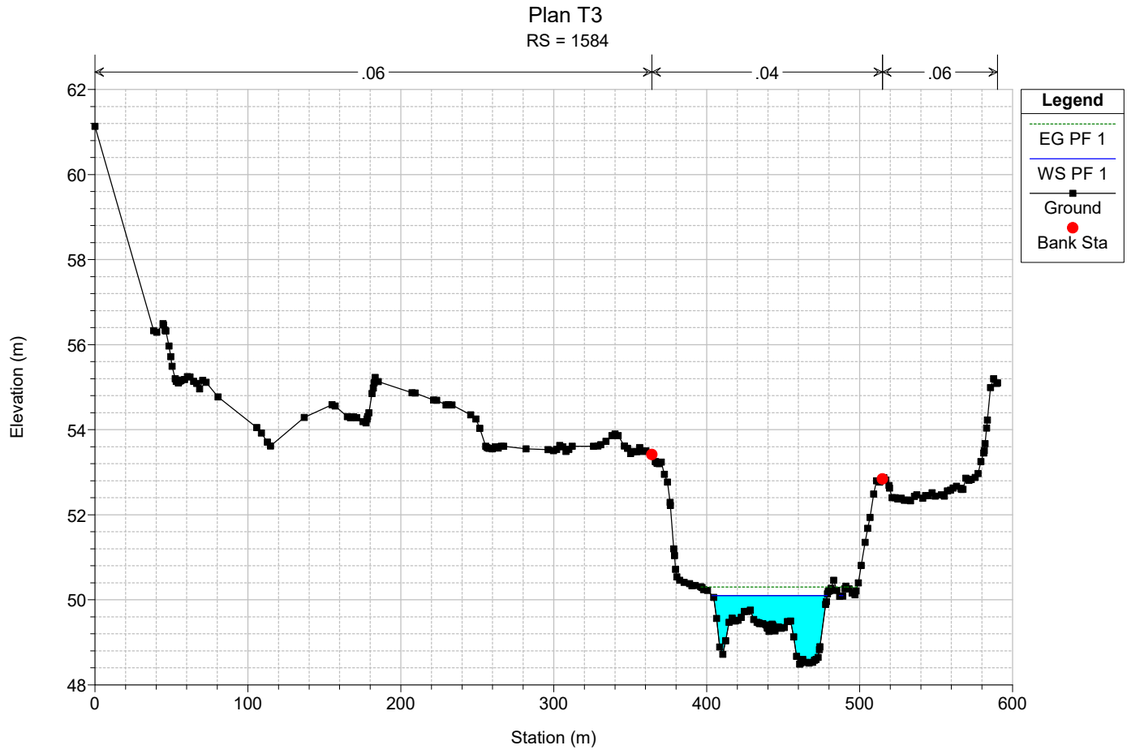

Plan T3
RS = 1765
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

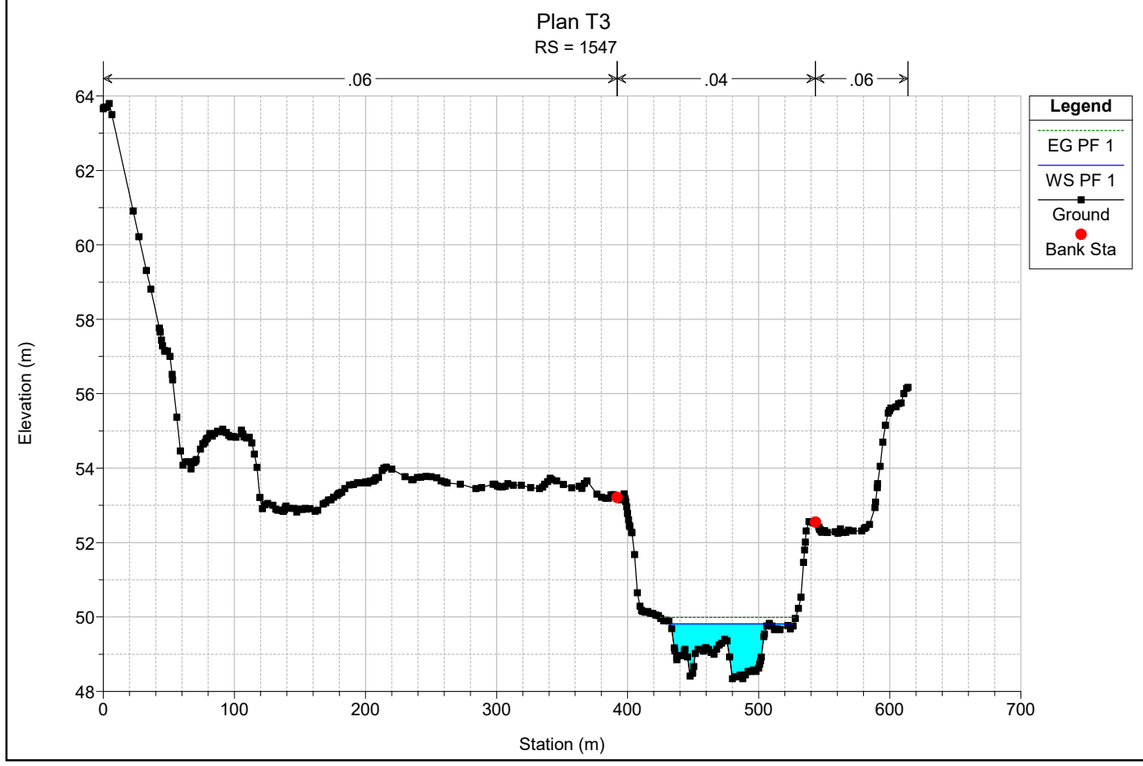

Plan T3
RS = 1729
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

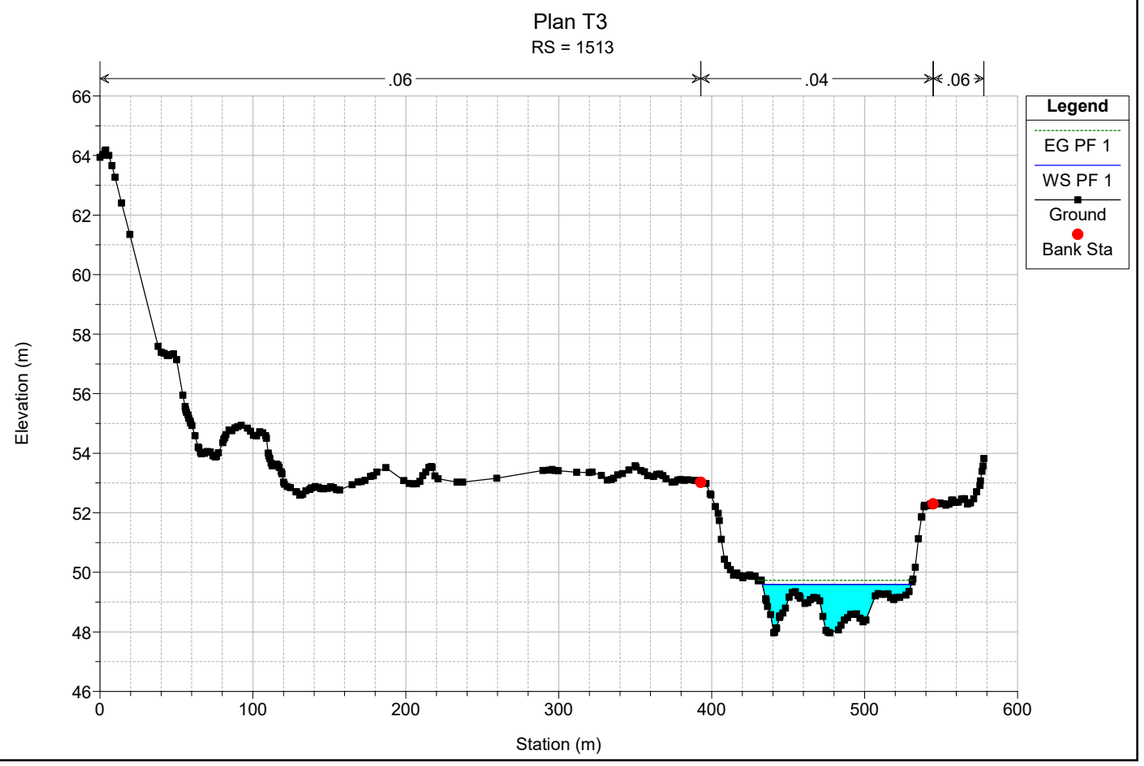

Plan T3
RS = 1692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

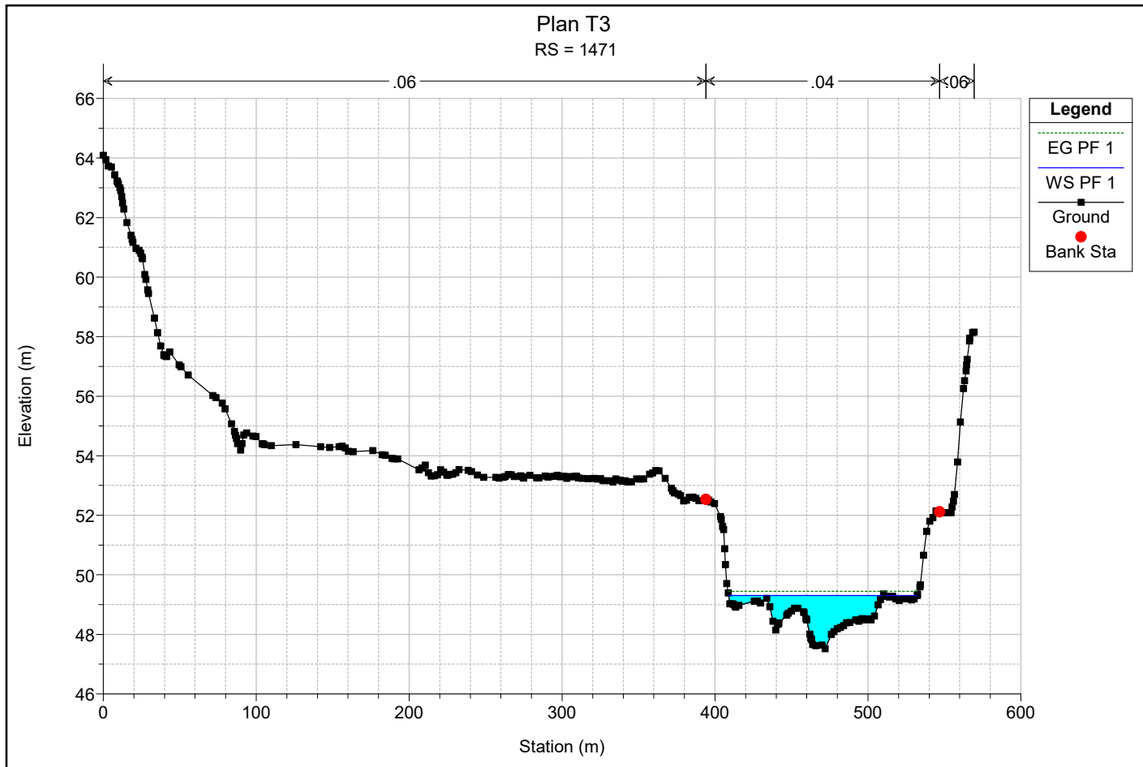

Plan T3
RS = 1654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

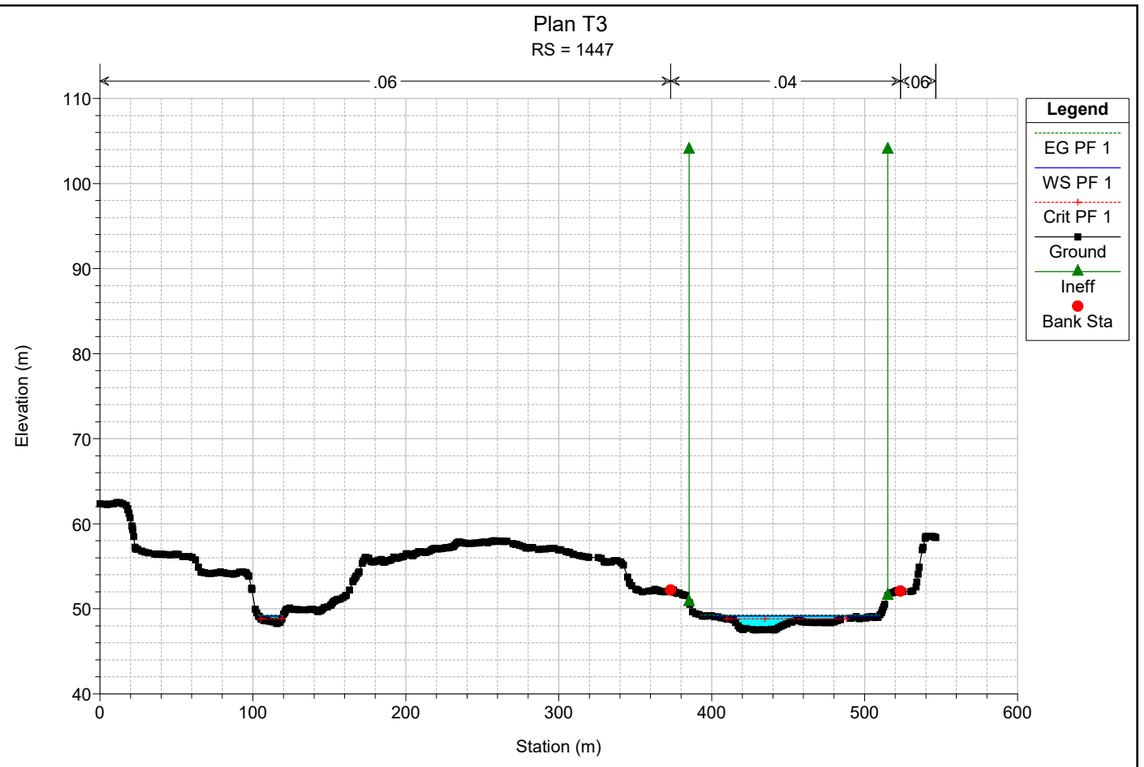

Plan T3
RS = 1616
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
60
58
56
54
52
50
48
0
100
200
300
400
500
600
700

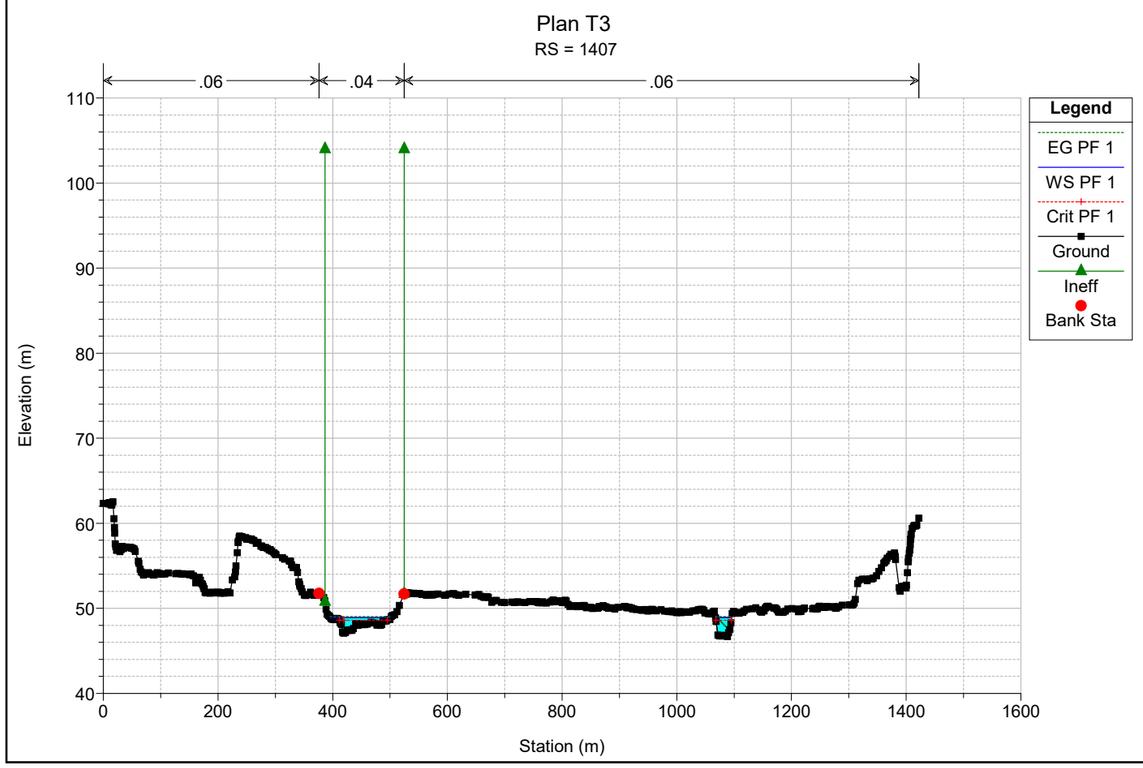

Plan T3
RS = 1584
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
62
60
58
56
54
52
50
48
0
100
200
300
400
500
600

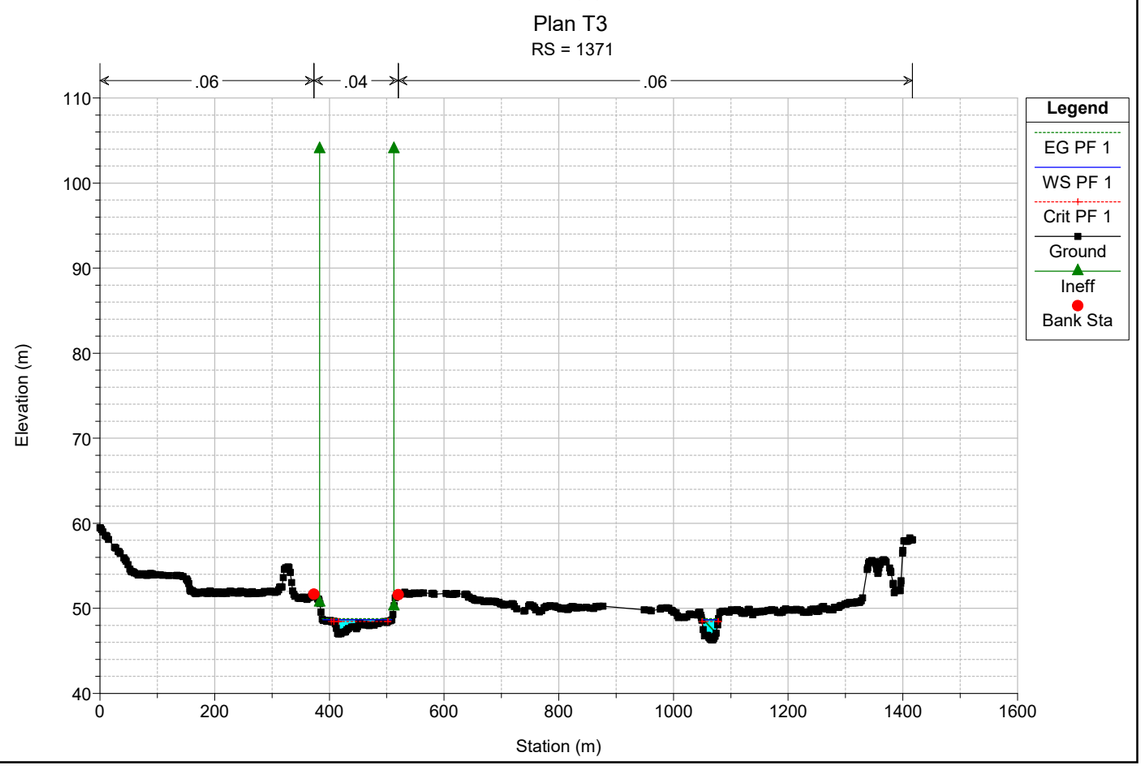

Plan T3
RS = 1547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
64
62
60
58
56
54
52
50
48
0
100
200
300
400
500
600
700

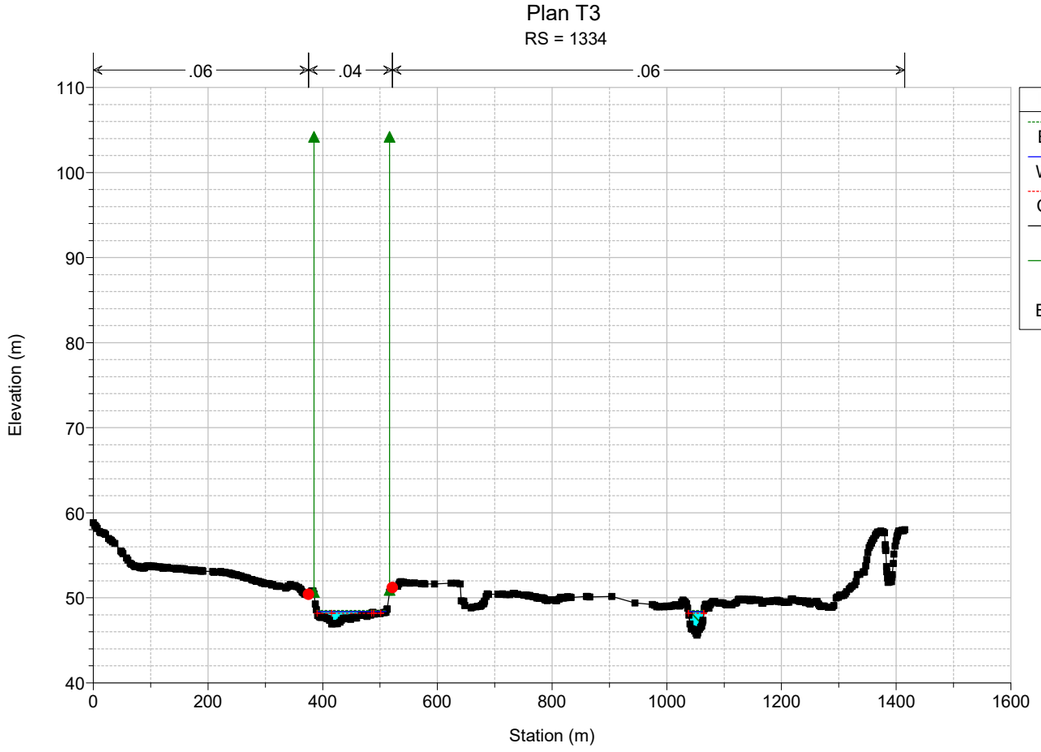

Plan T3
RS = 1513
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
54
52
50
48
46
0
100
200
300
400
500
600

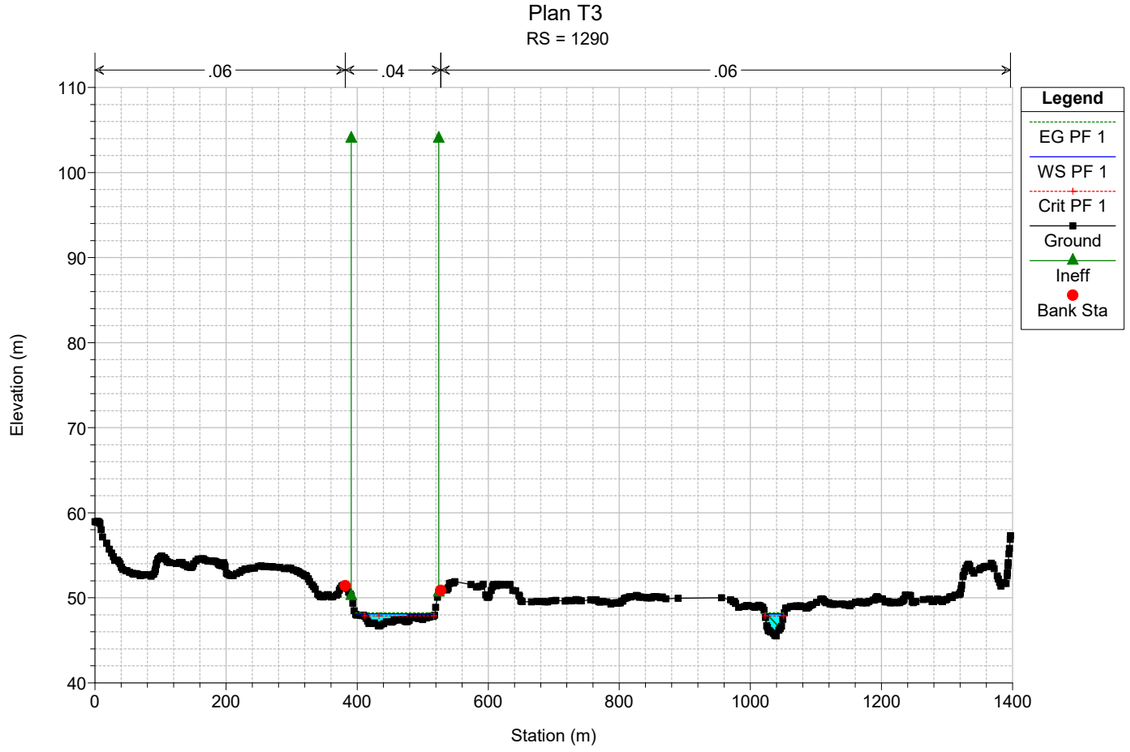

Plan T3
RS = 1471
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

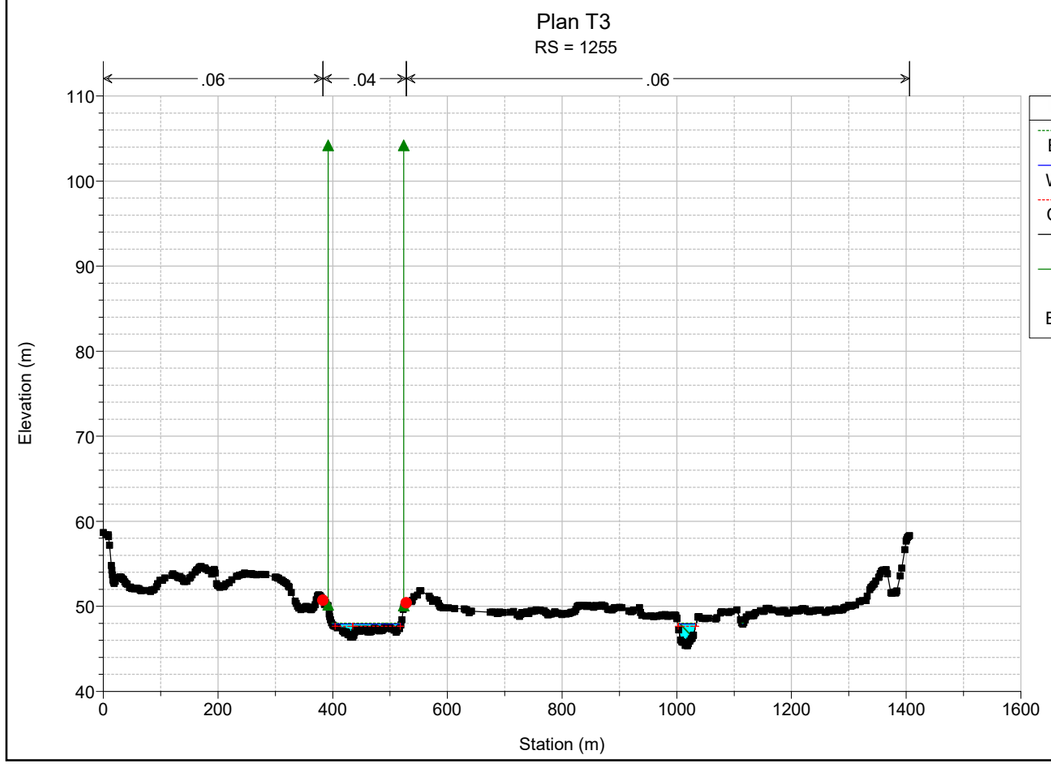

Plan T3
RS = 1447
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

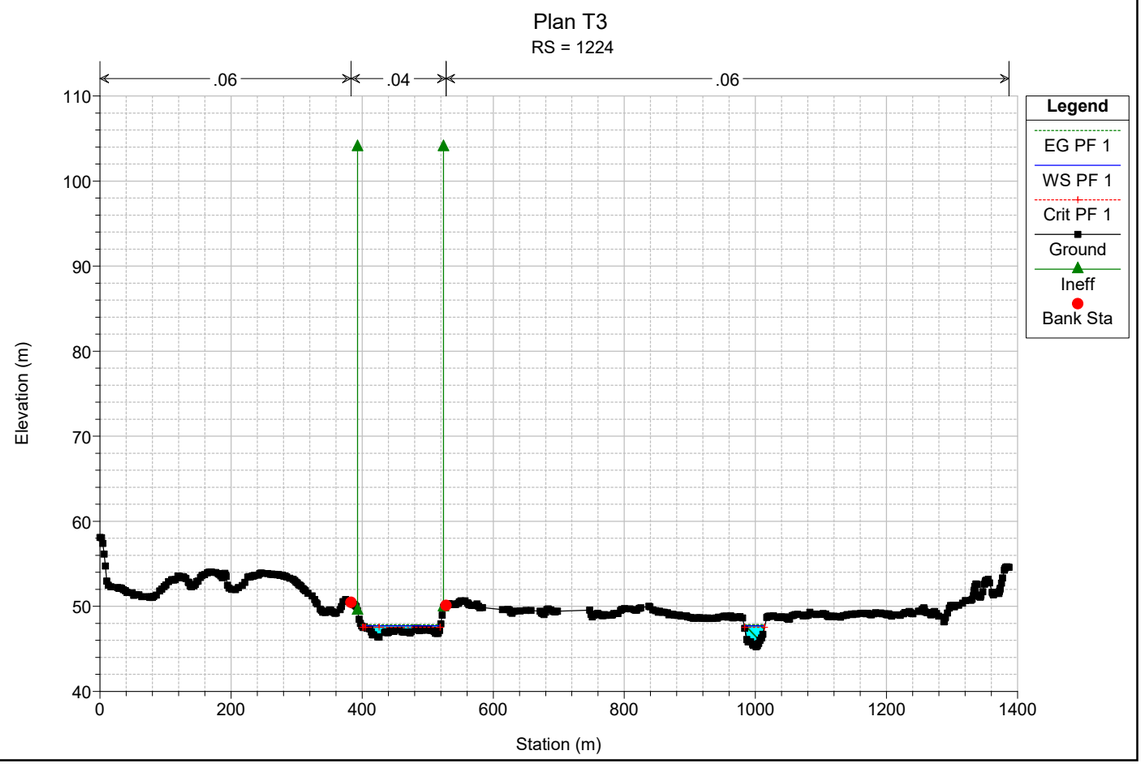

Plan T3
RS = 1407
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

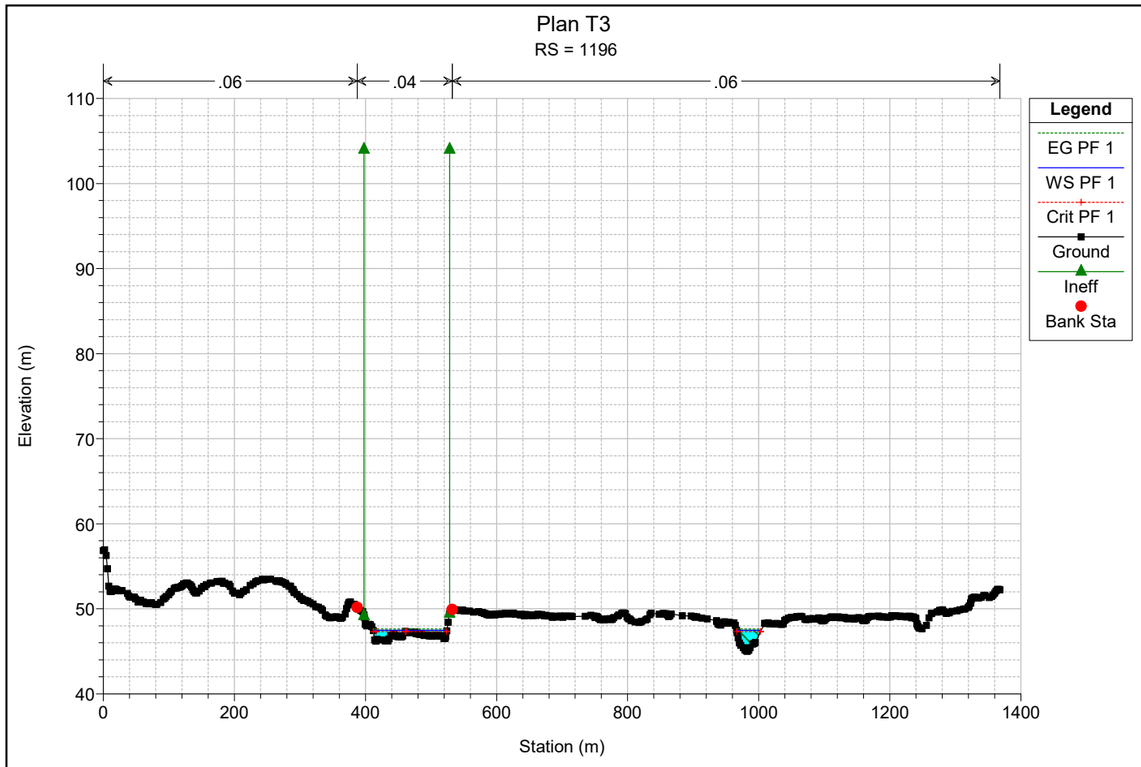

Plan T3
RS = 1371
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

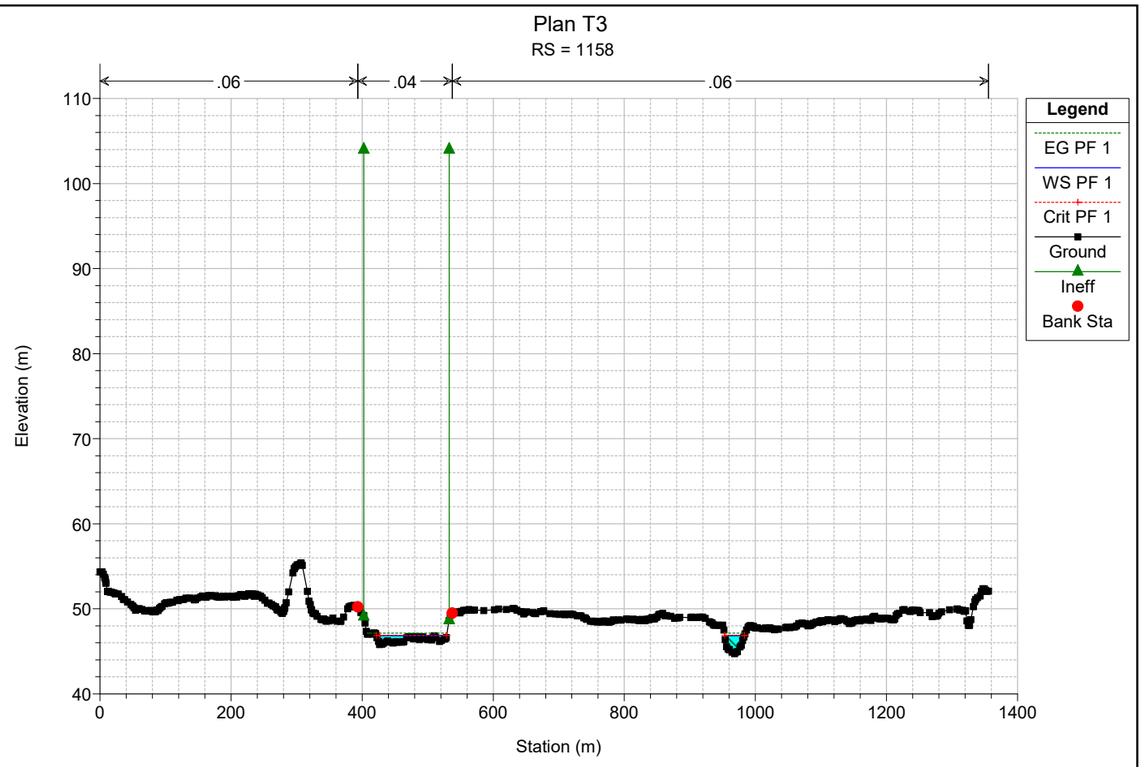

Plan T3
RS = 1334
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400
1600

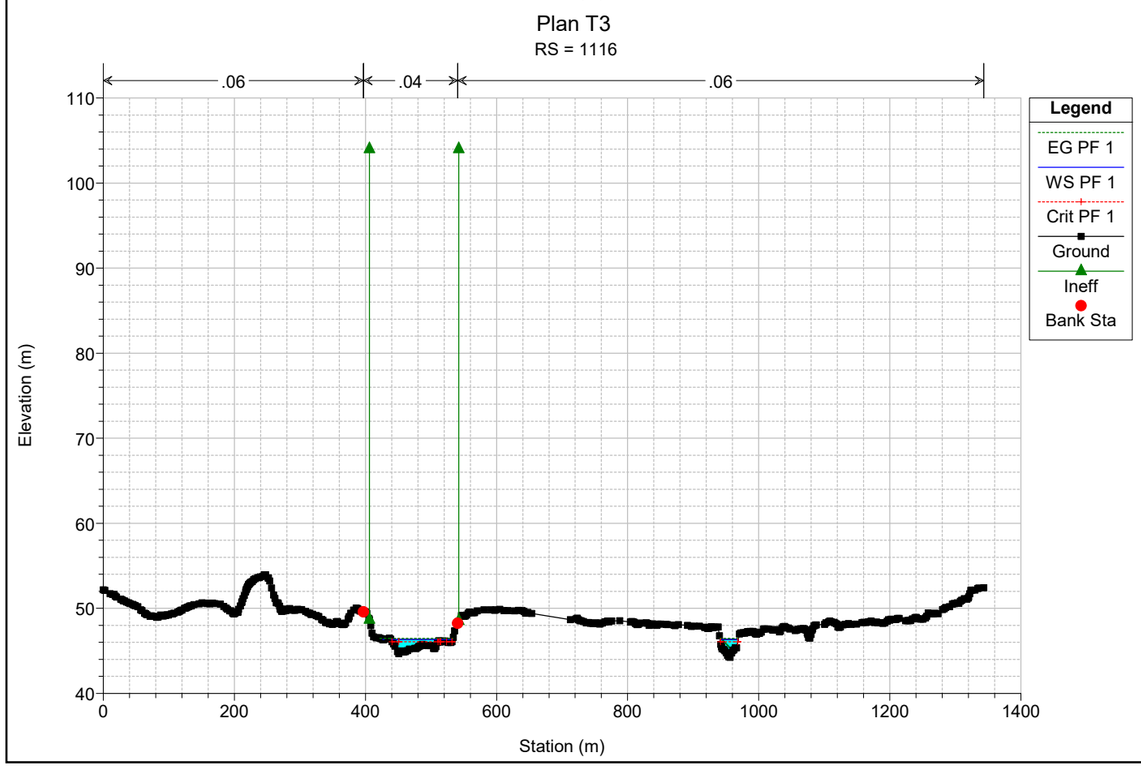

Plan T3
RS = 1290
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

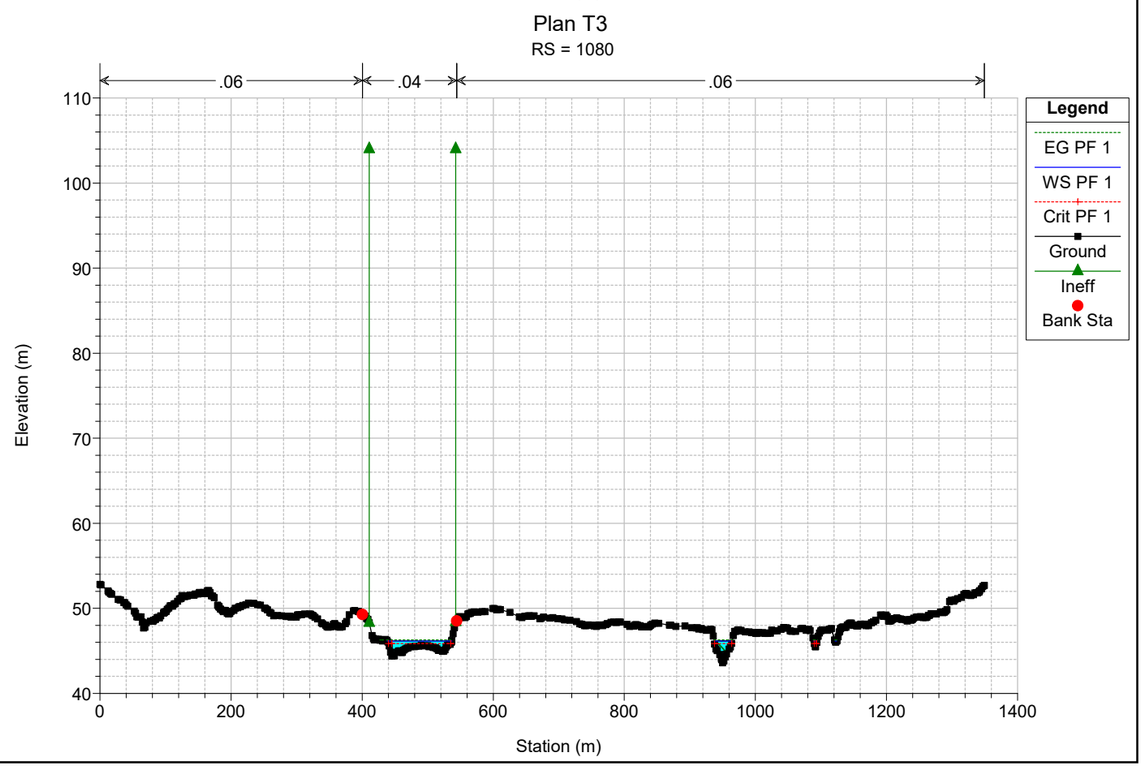

Plan T3
RS = 1255
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400
1600

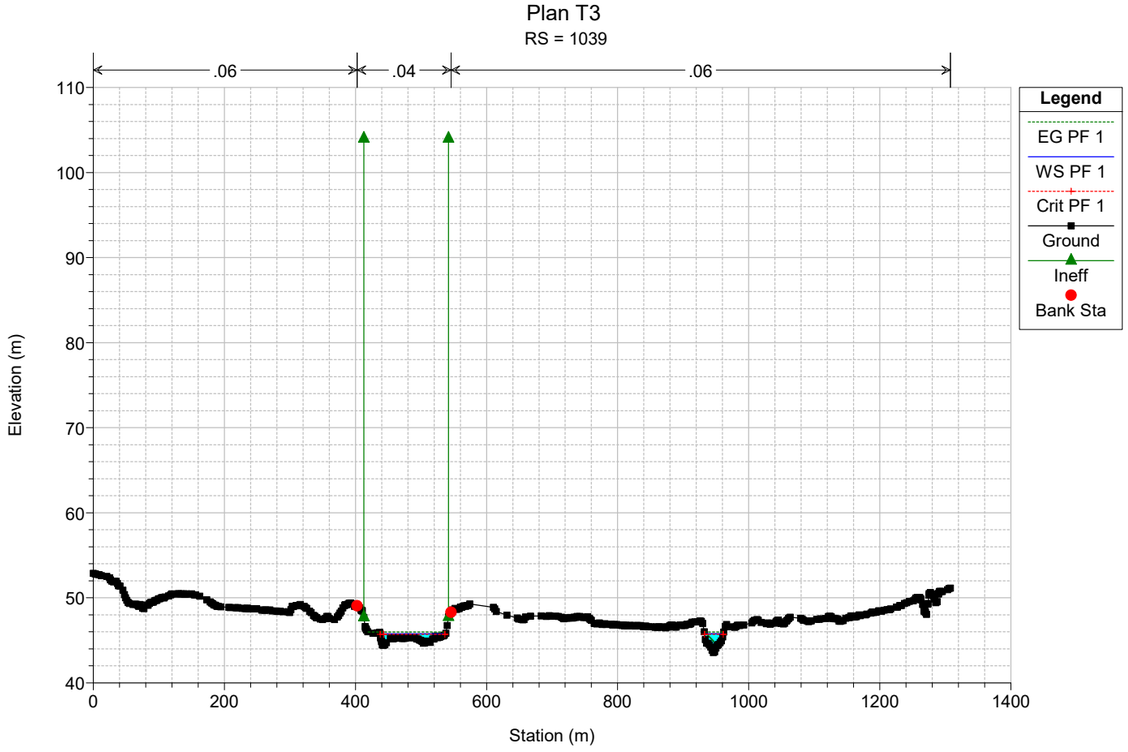

Plan T3
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
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100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

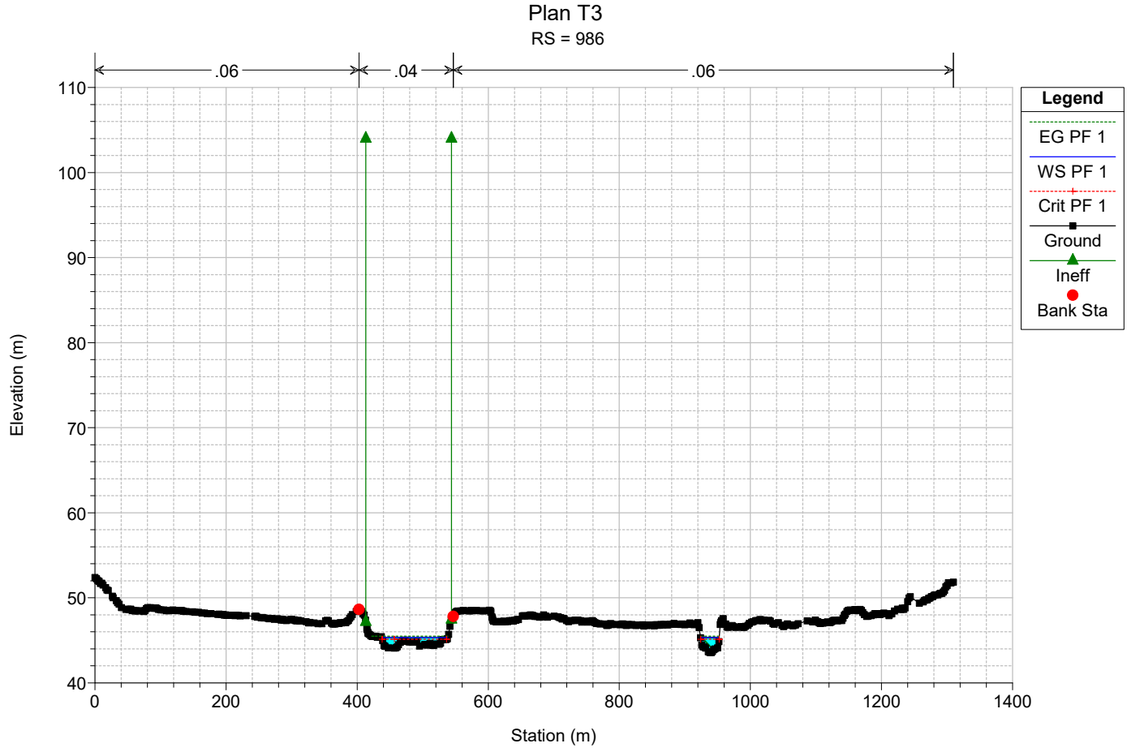

Plan T3
RS = 1196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

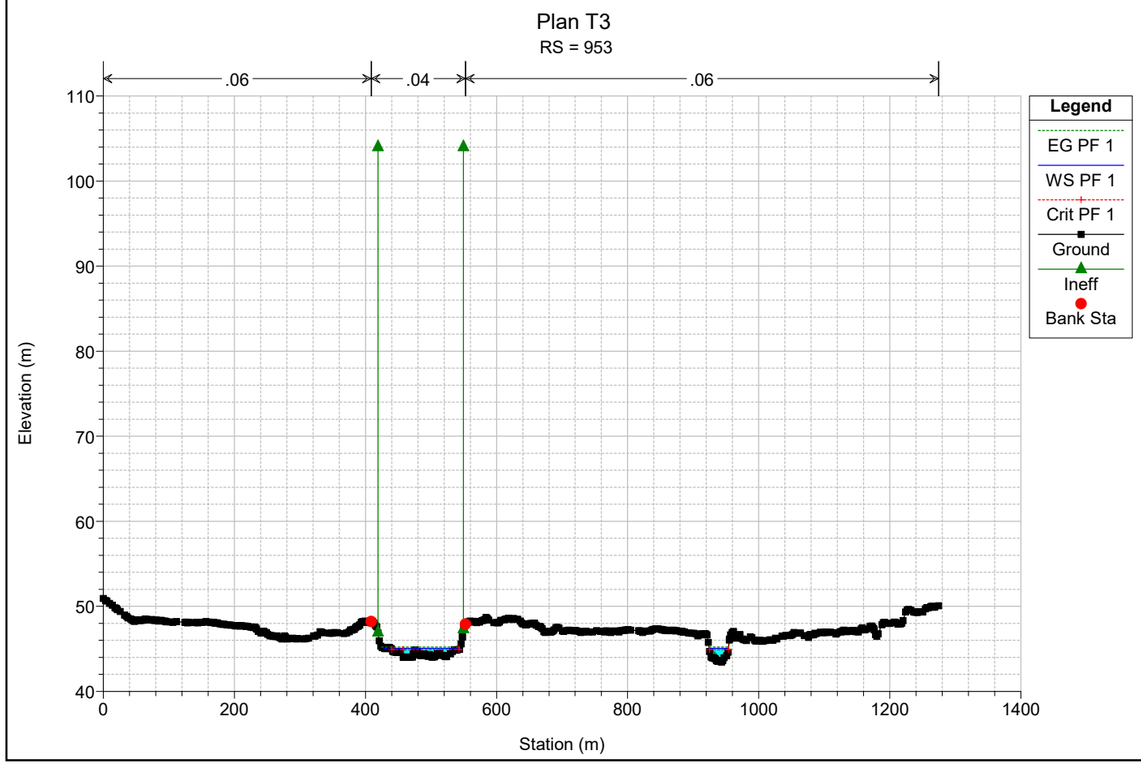

Plan T3
RS = 1158
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

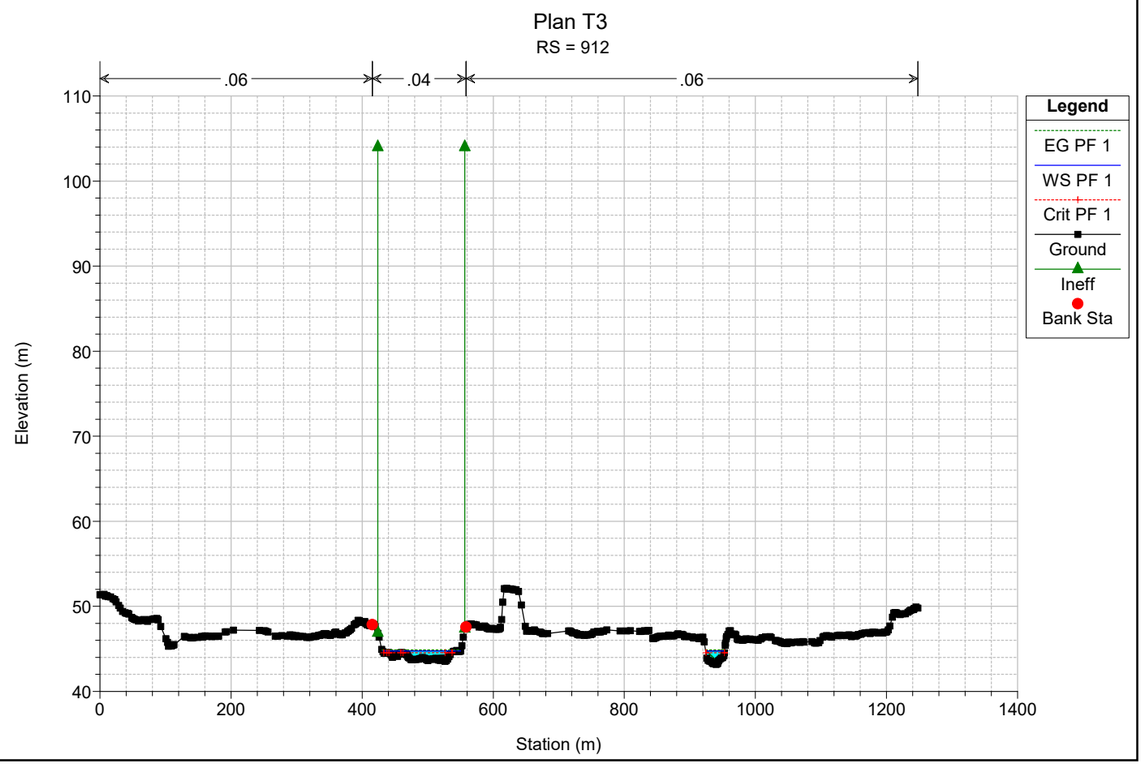

Plan T3
RS = 1116
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

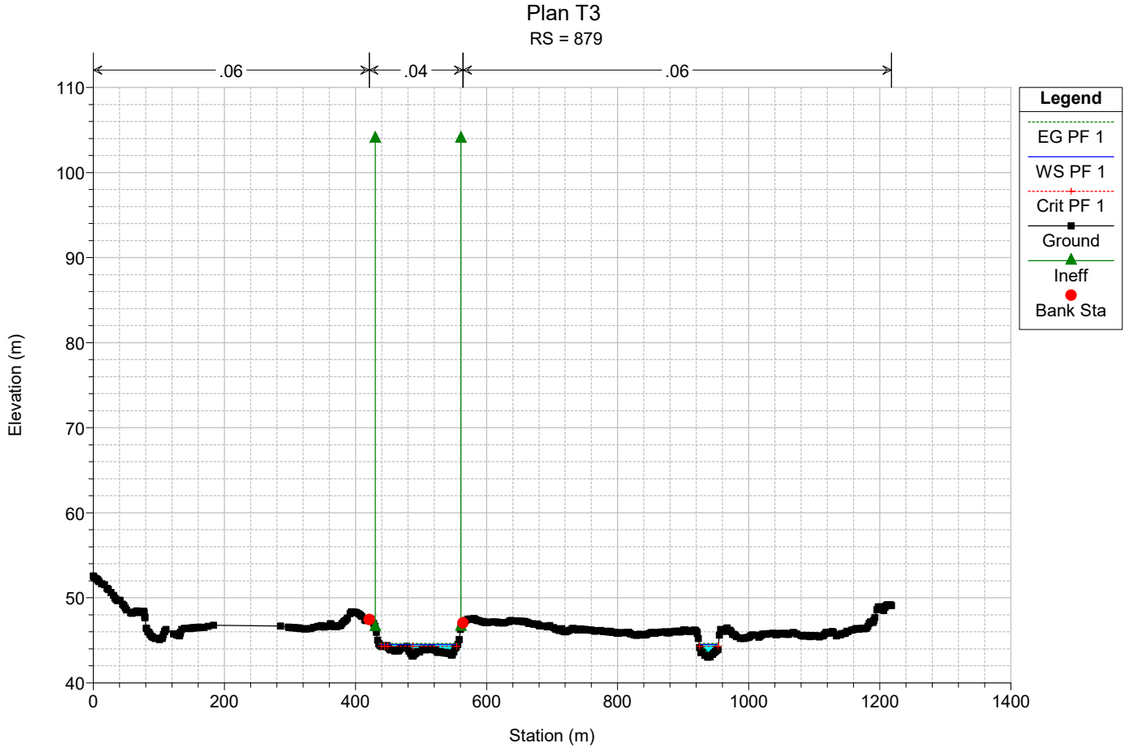

Plan T3
RS = 1080
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

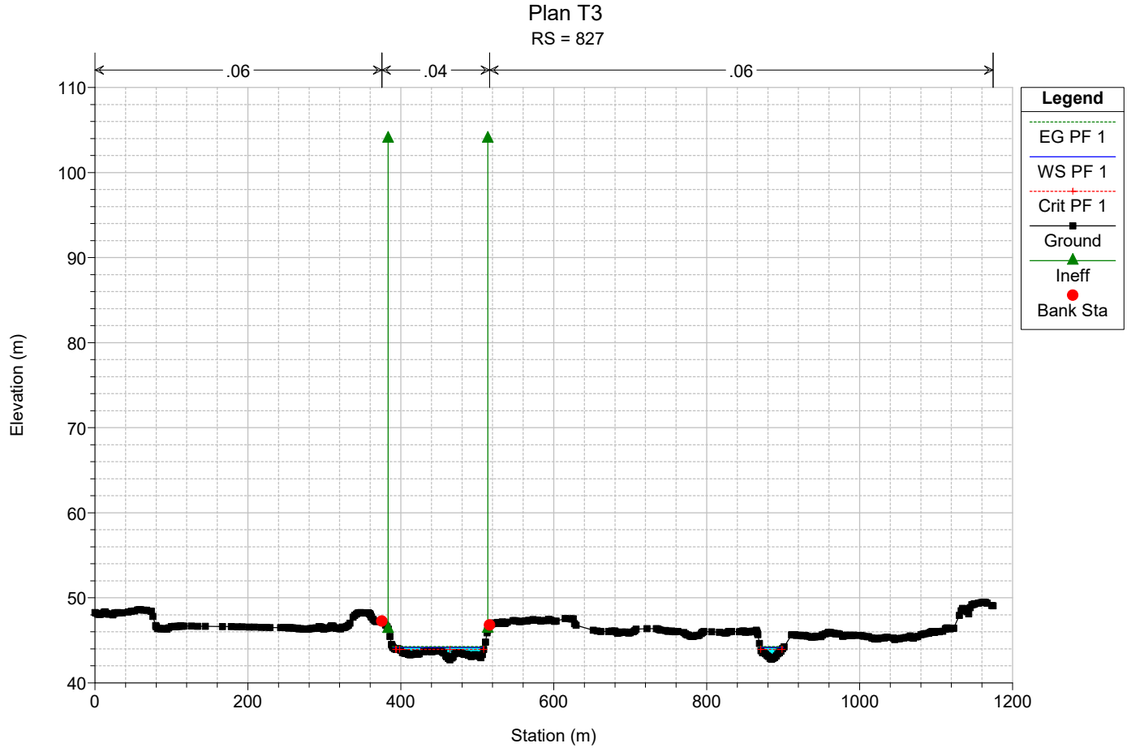

Plan T3
RS = 1039
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

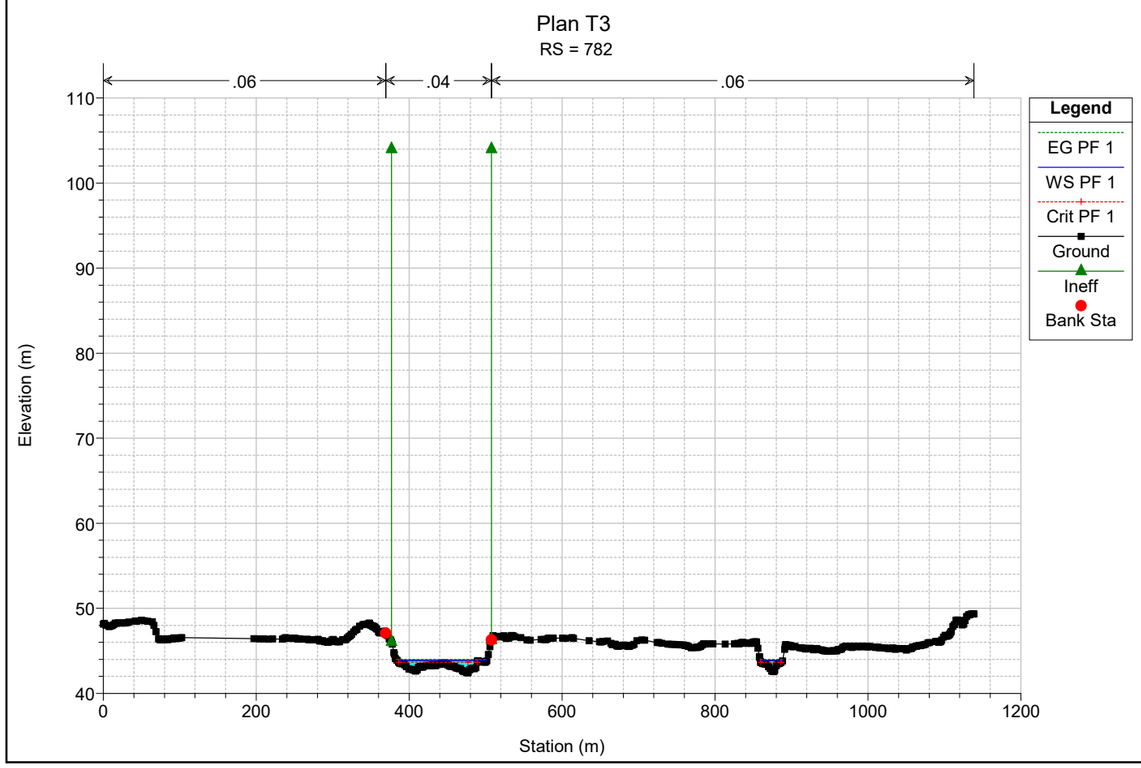

Plan T3
RS = 986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

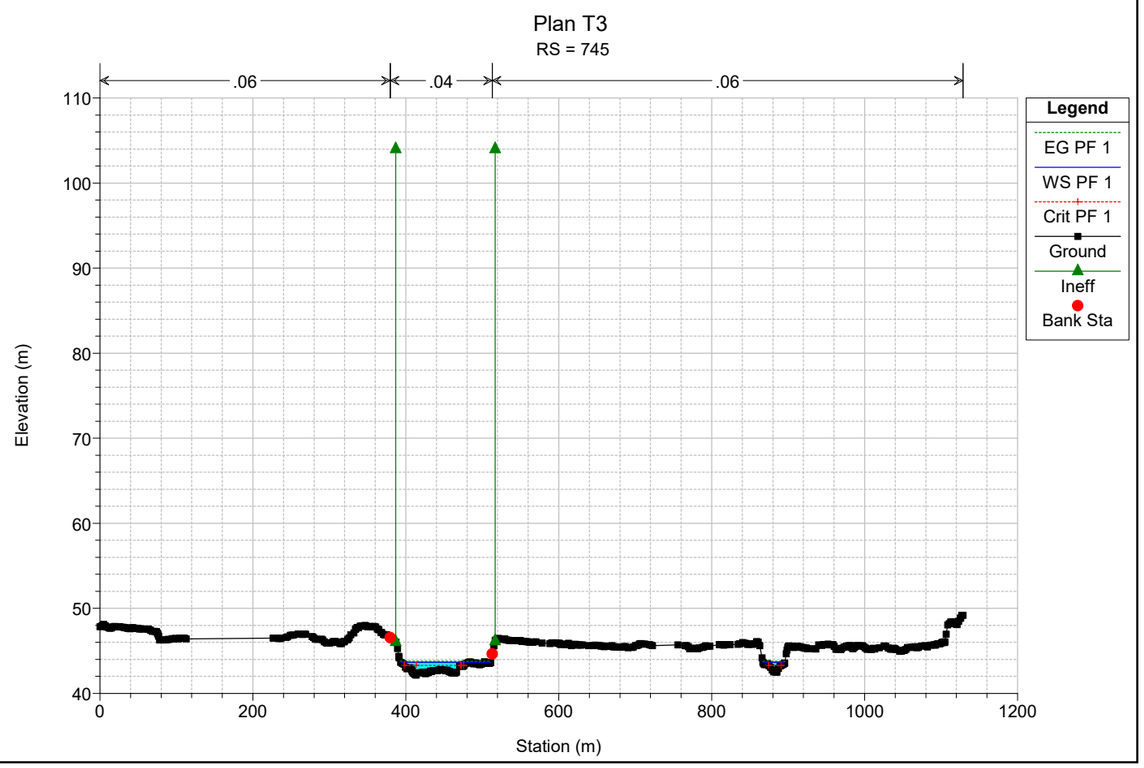

Plan T3
RS = 953
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

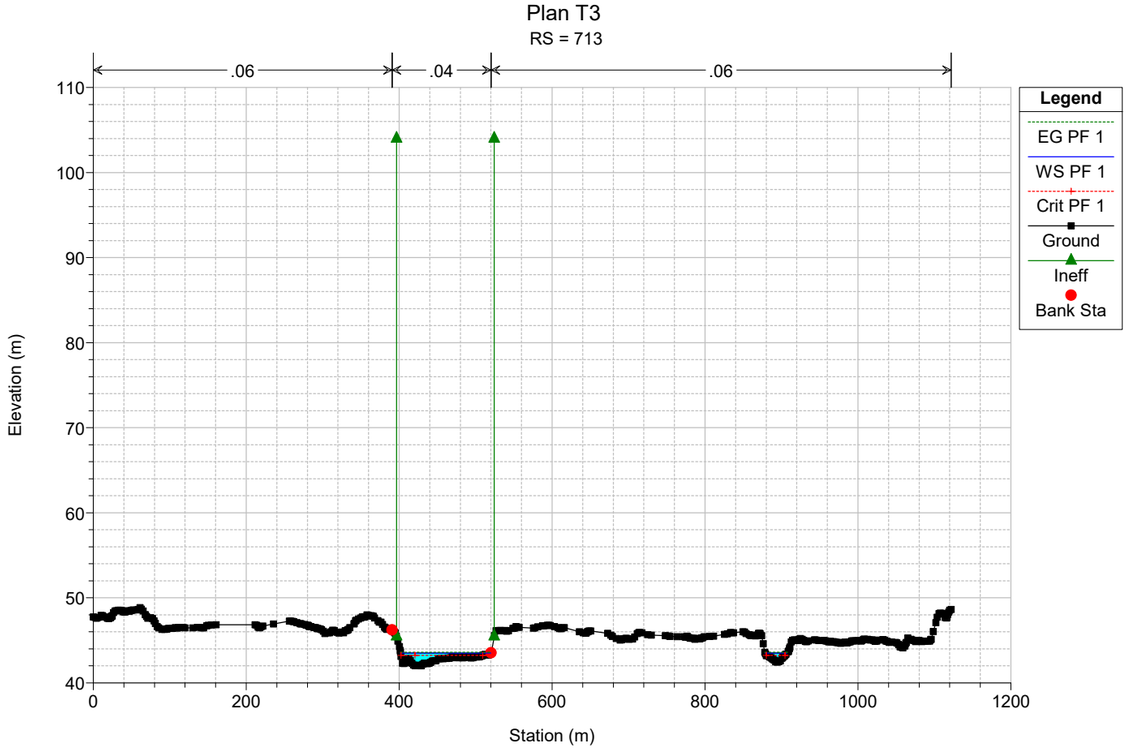

Plan T3
RS = 912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

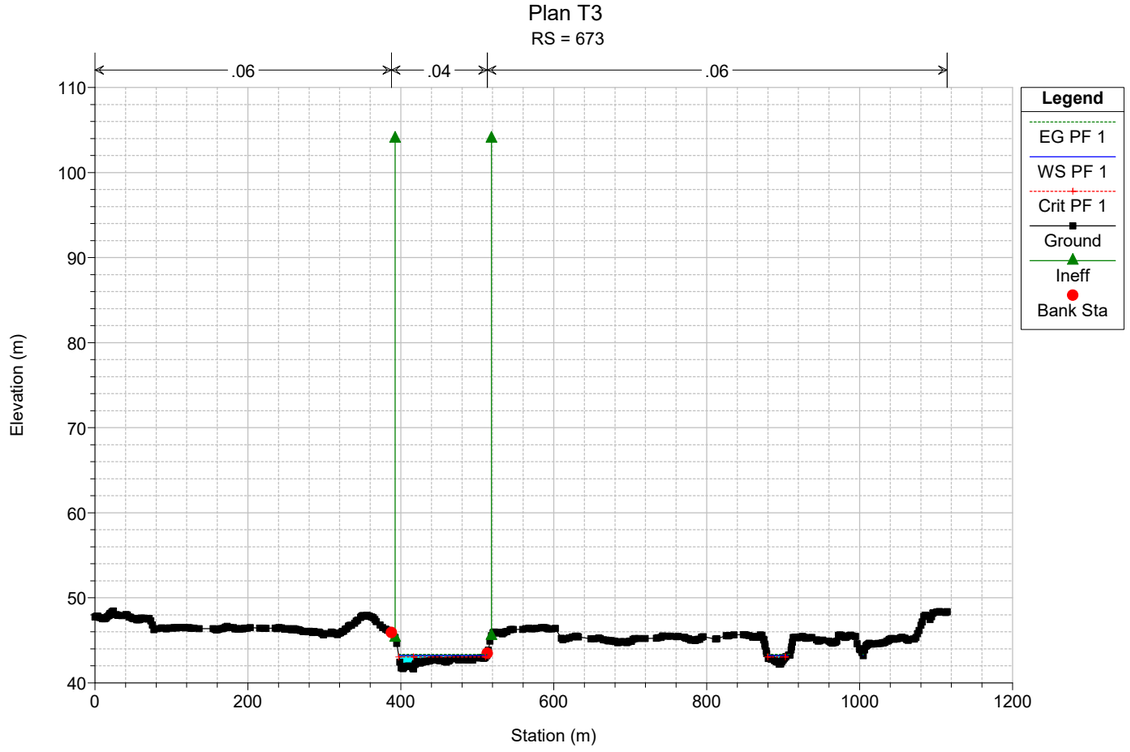

Plan T3
RS = 879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

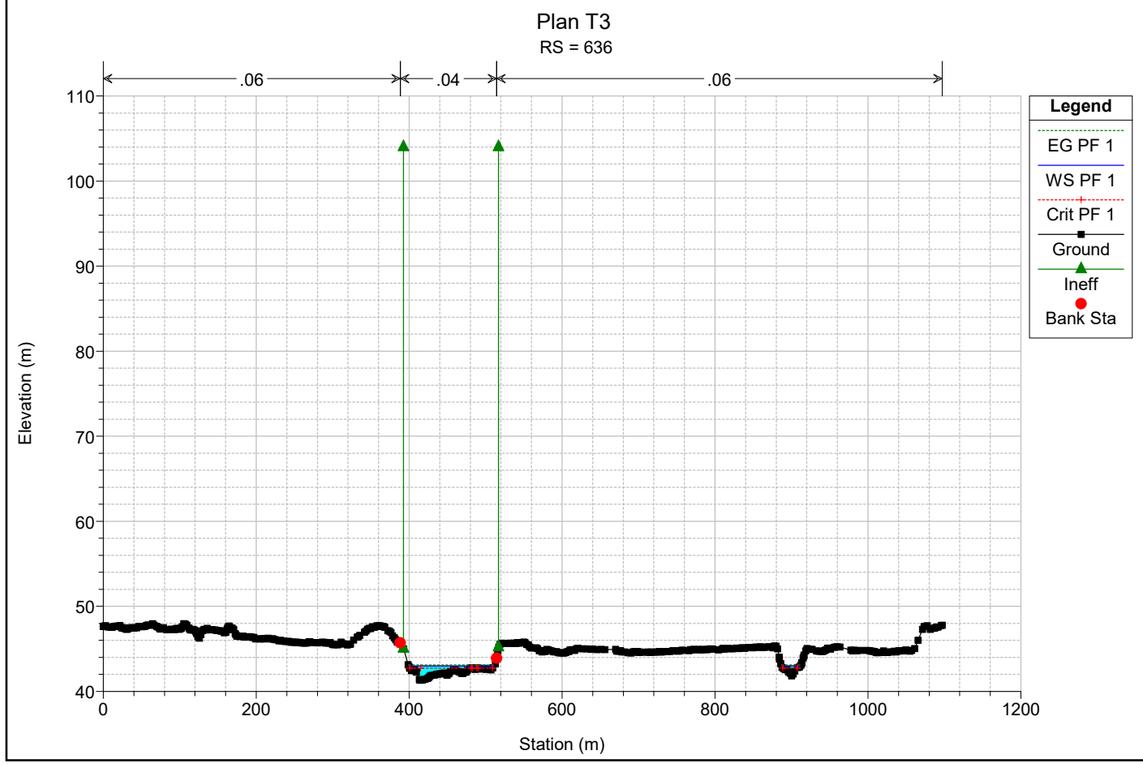

Plan T3
RS = 827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

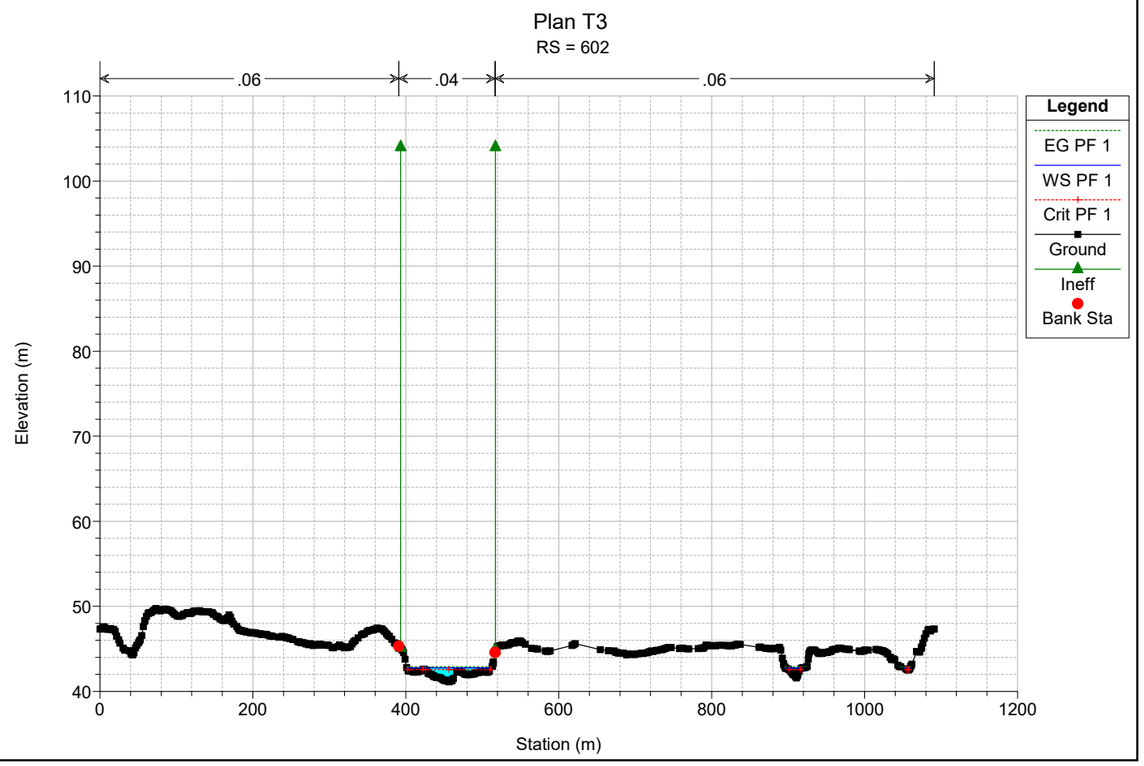

Plan T3
RS = 782
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

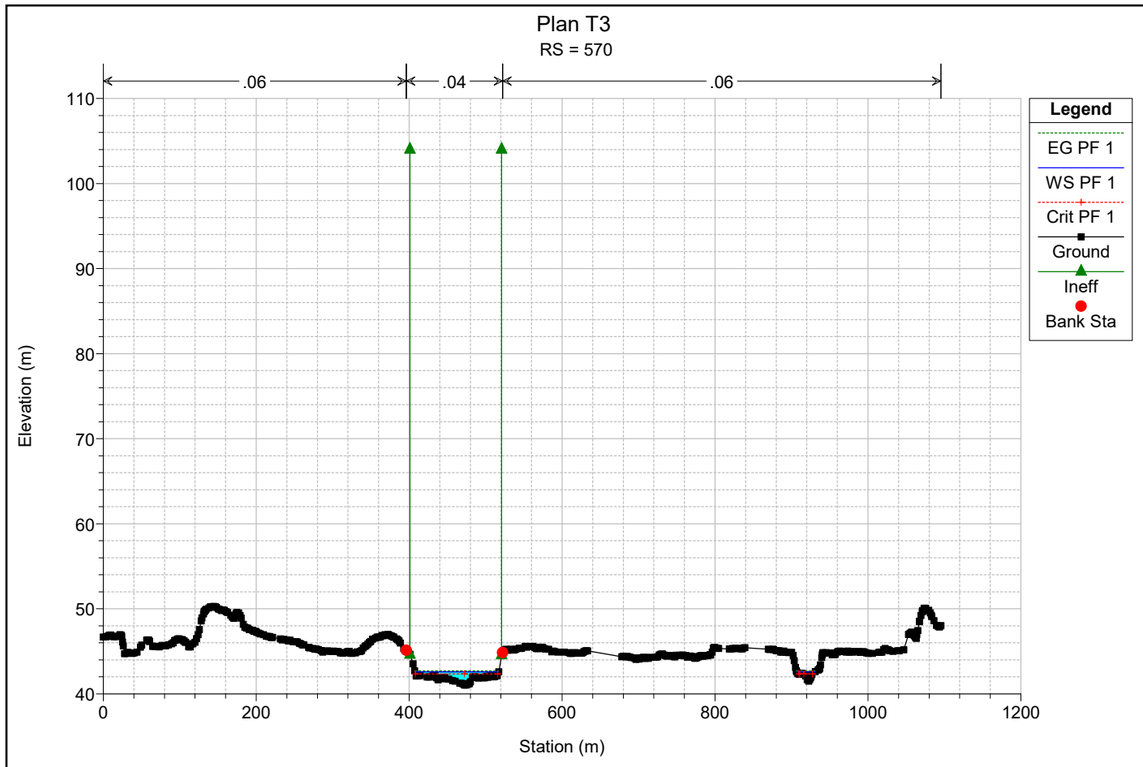

Plan T3
RS = 745
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

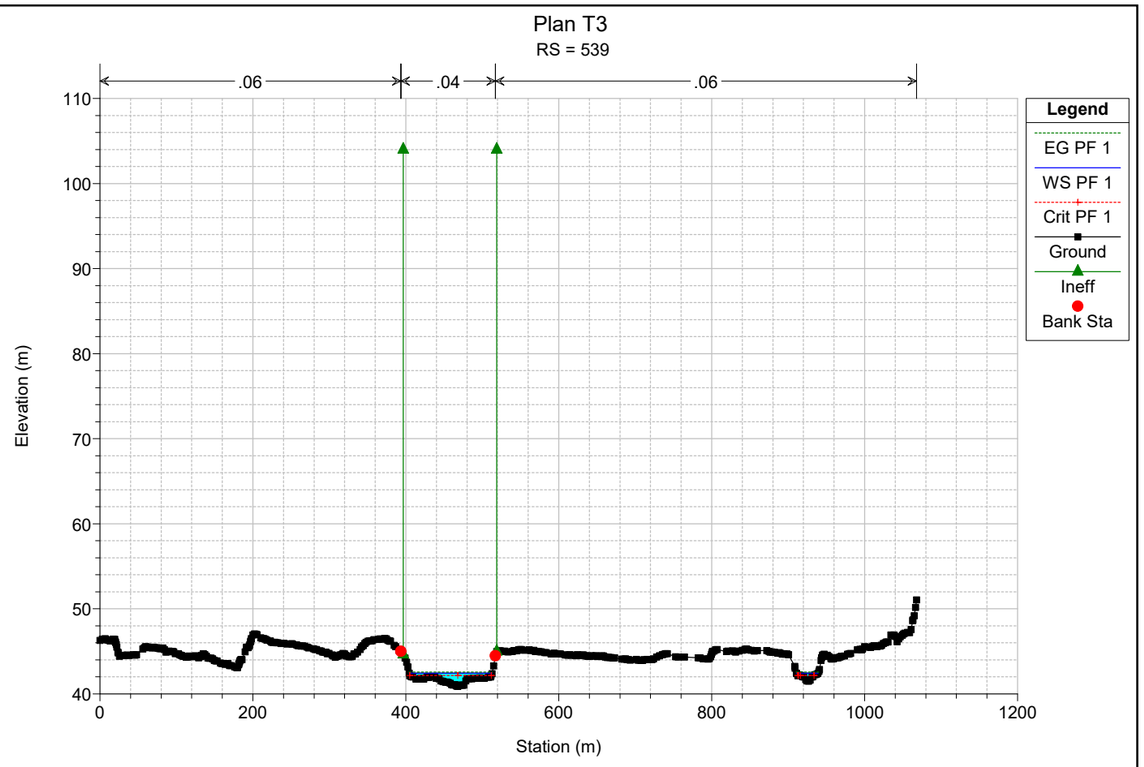

Plan T3
RS = 713
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

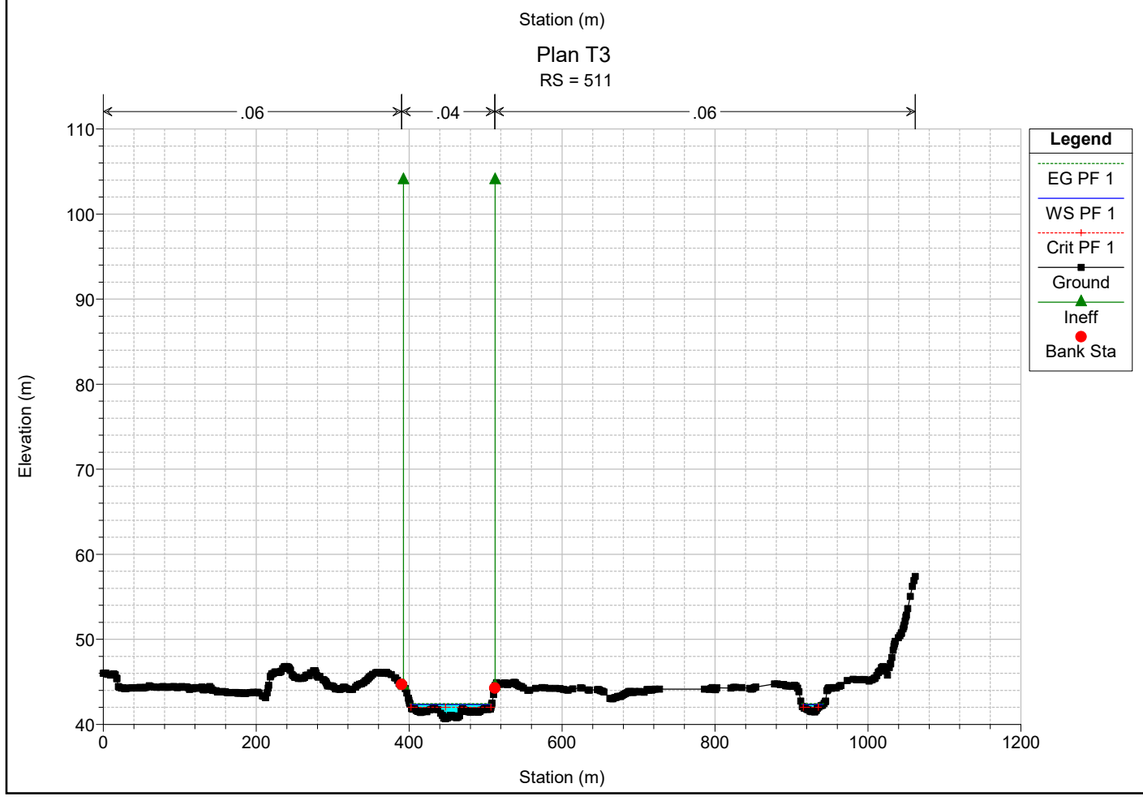

Plan T3
RS = 673
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

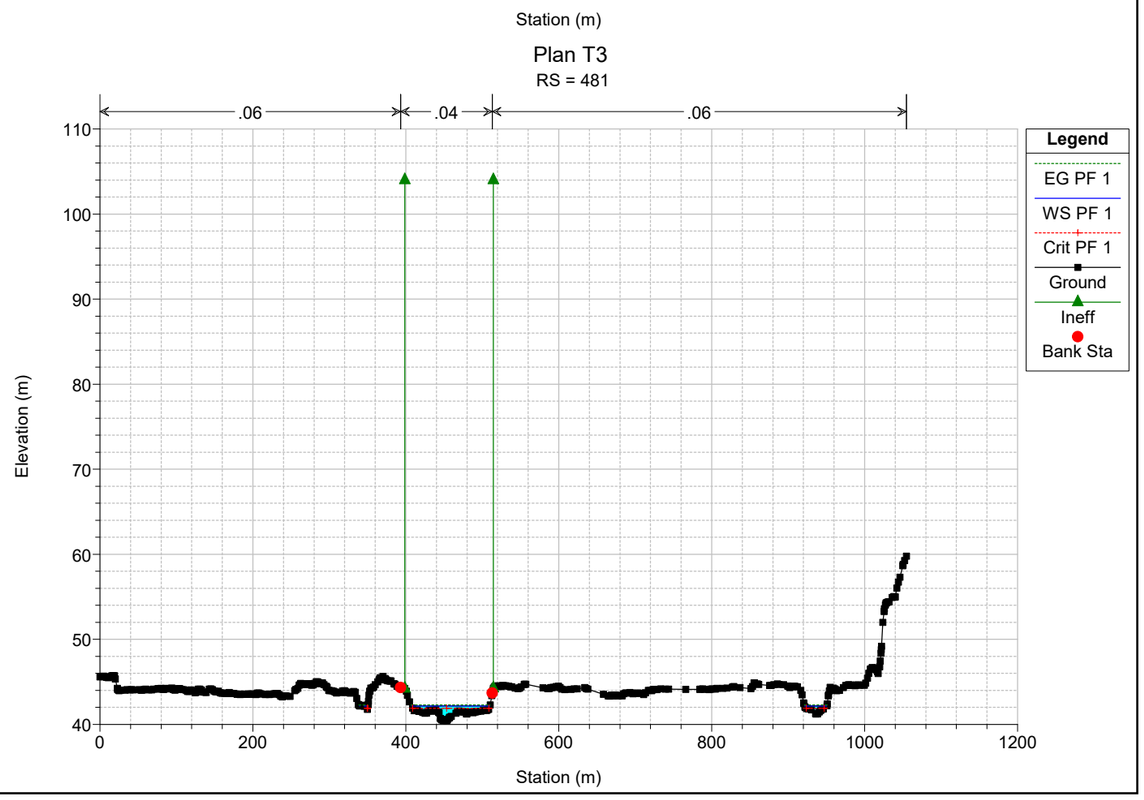

Plan T3
RS = 636
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

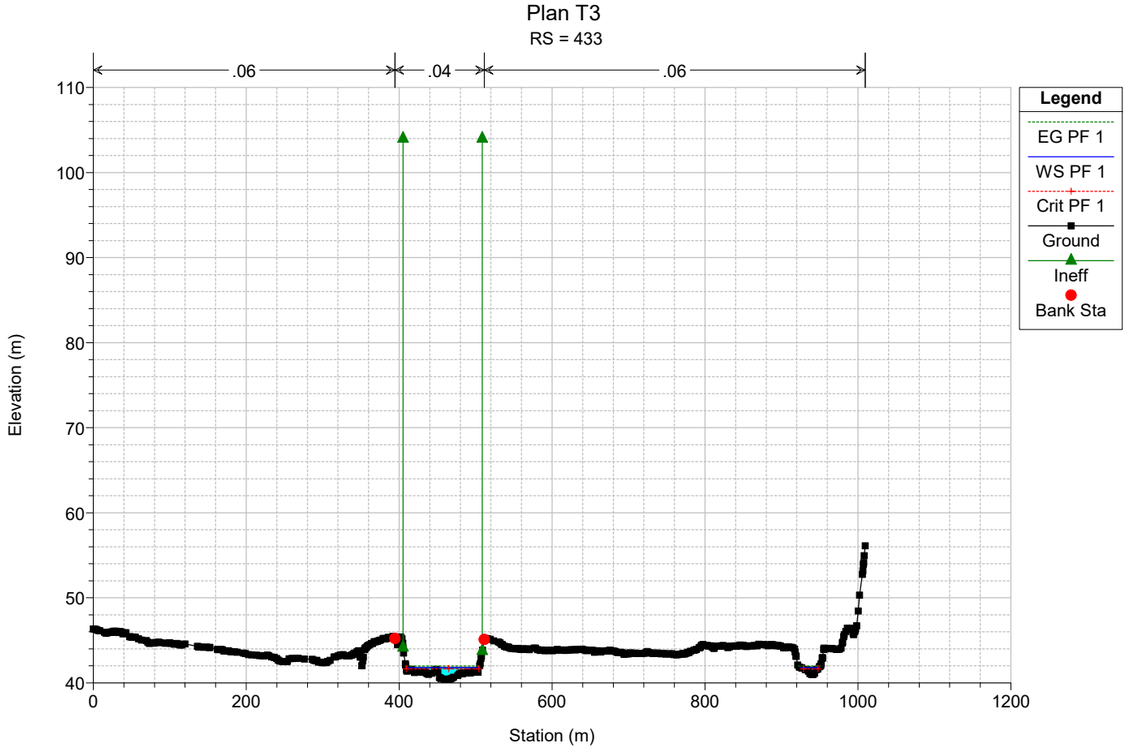

Plan T3
RS = 602
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

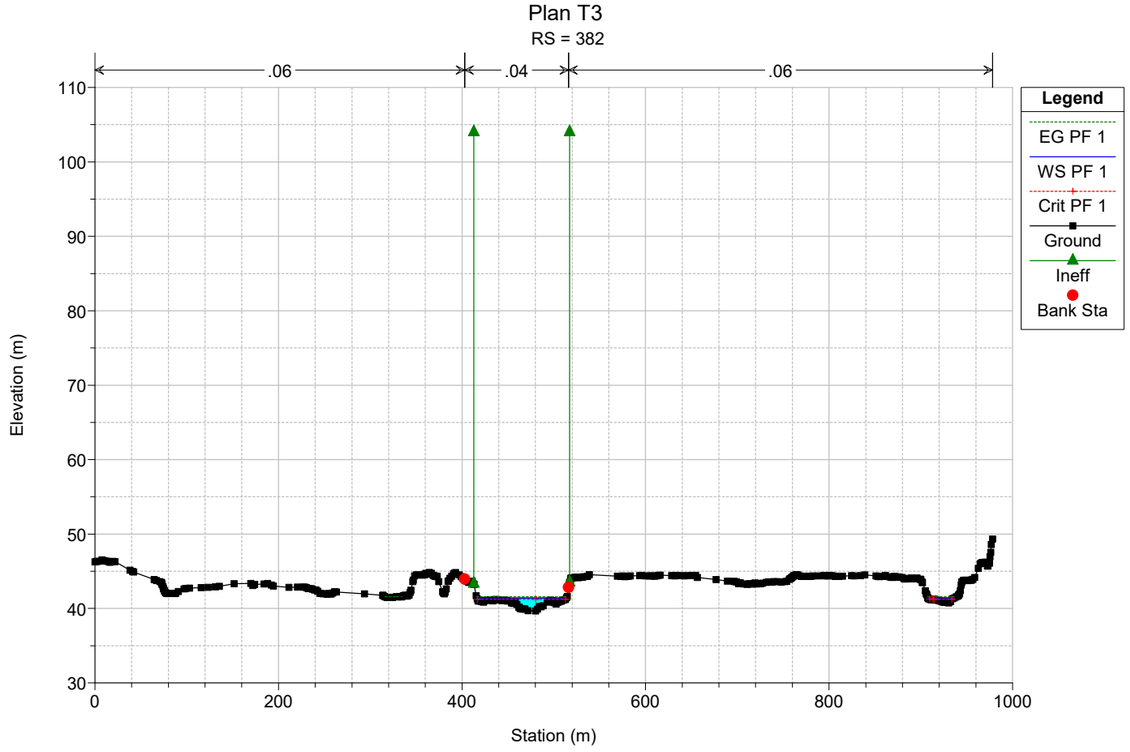

Plan T3
RS = 570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

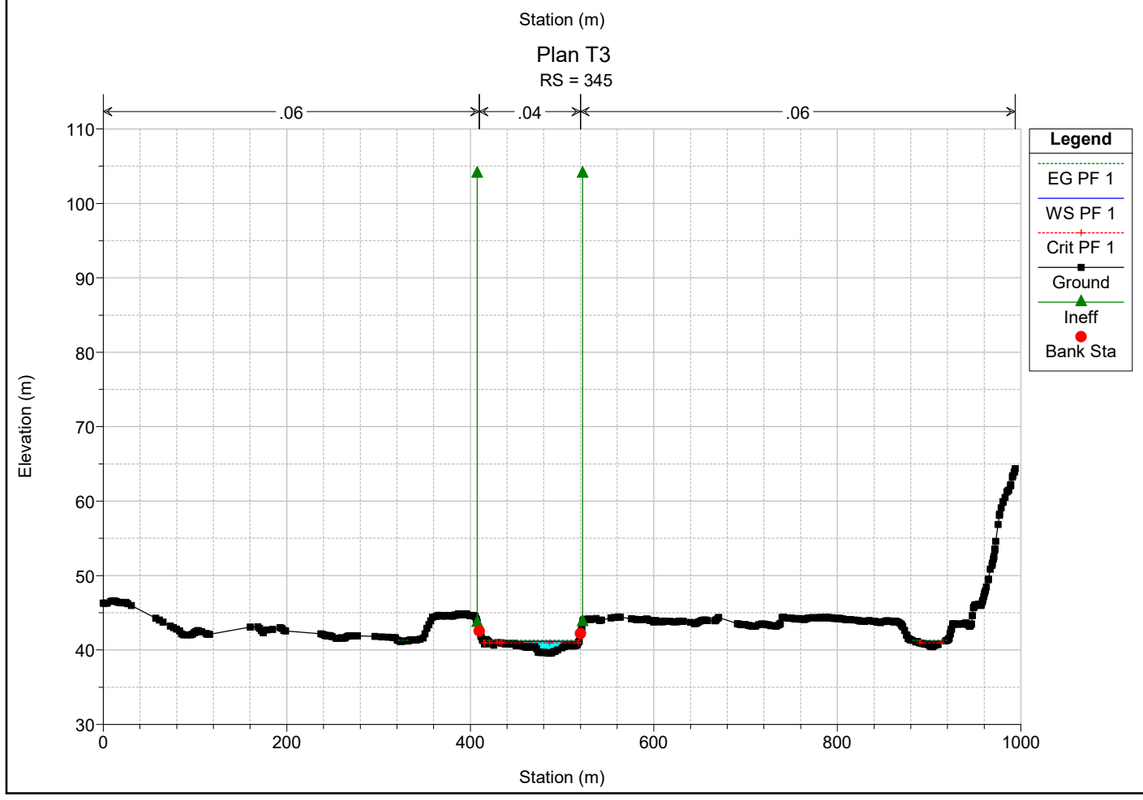

Plan T3
RS = 539
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

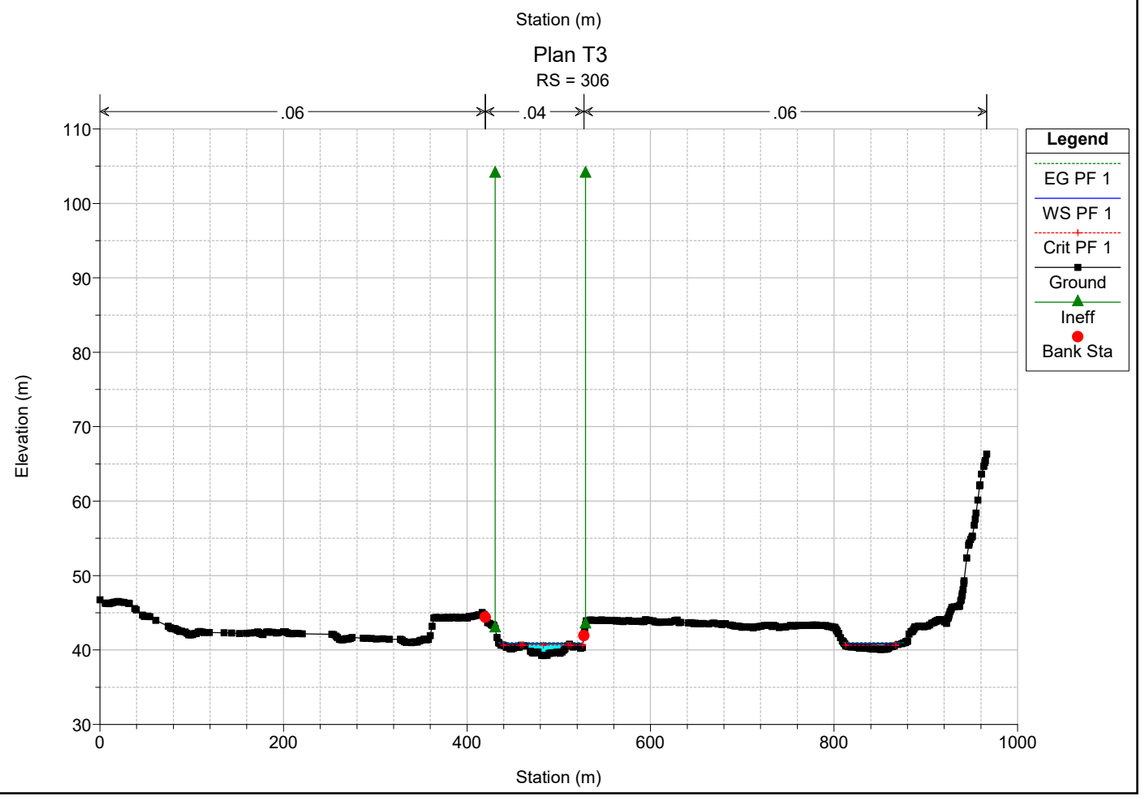

Plan T3
RS = 511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

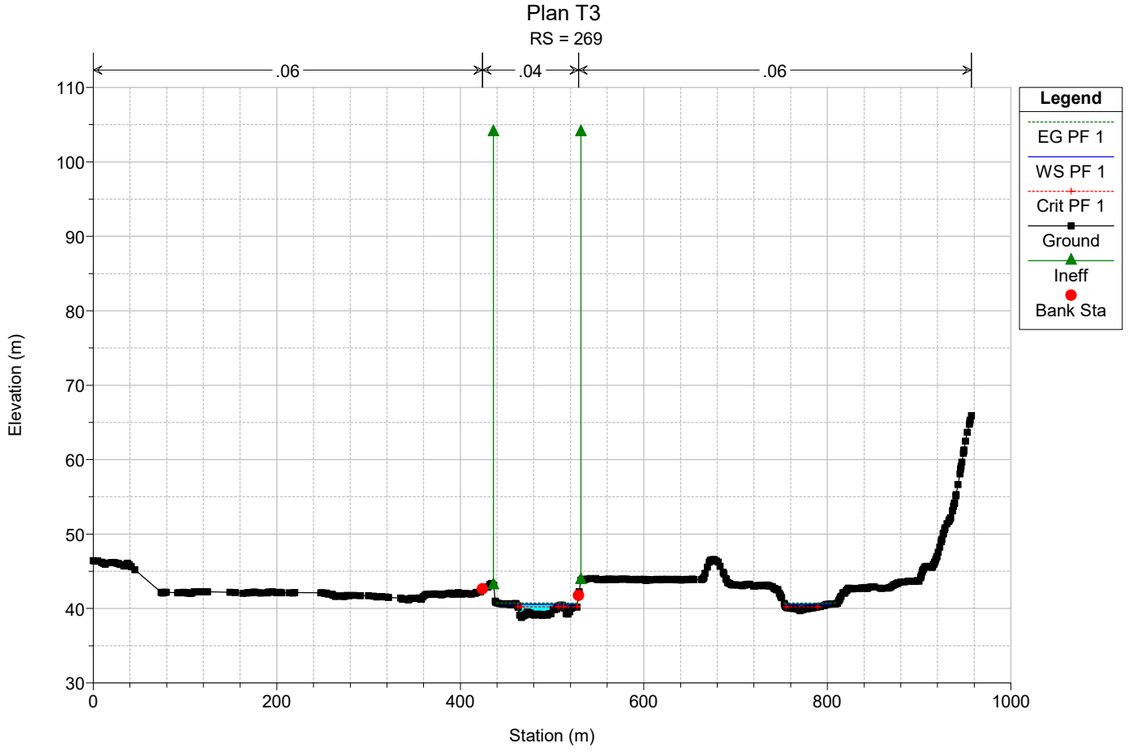

Plan T3
RS = 481
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

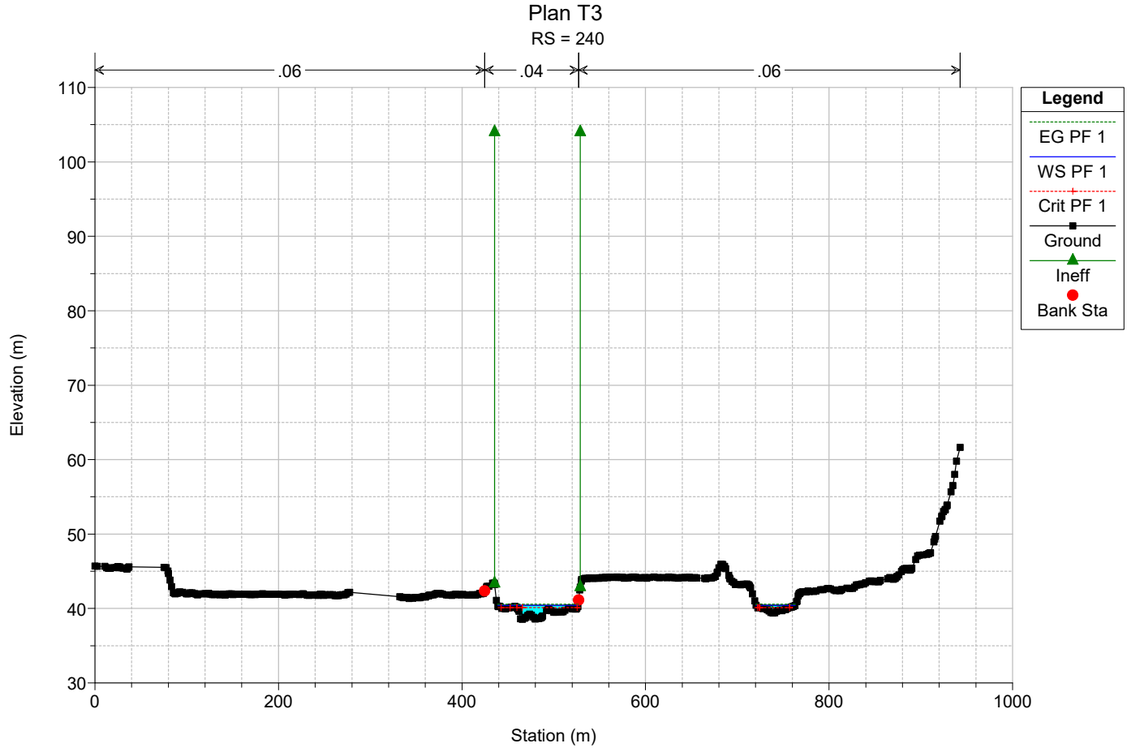

Plan T3
RS = 433
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

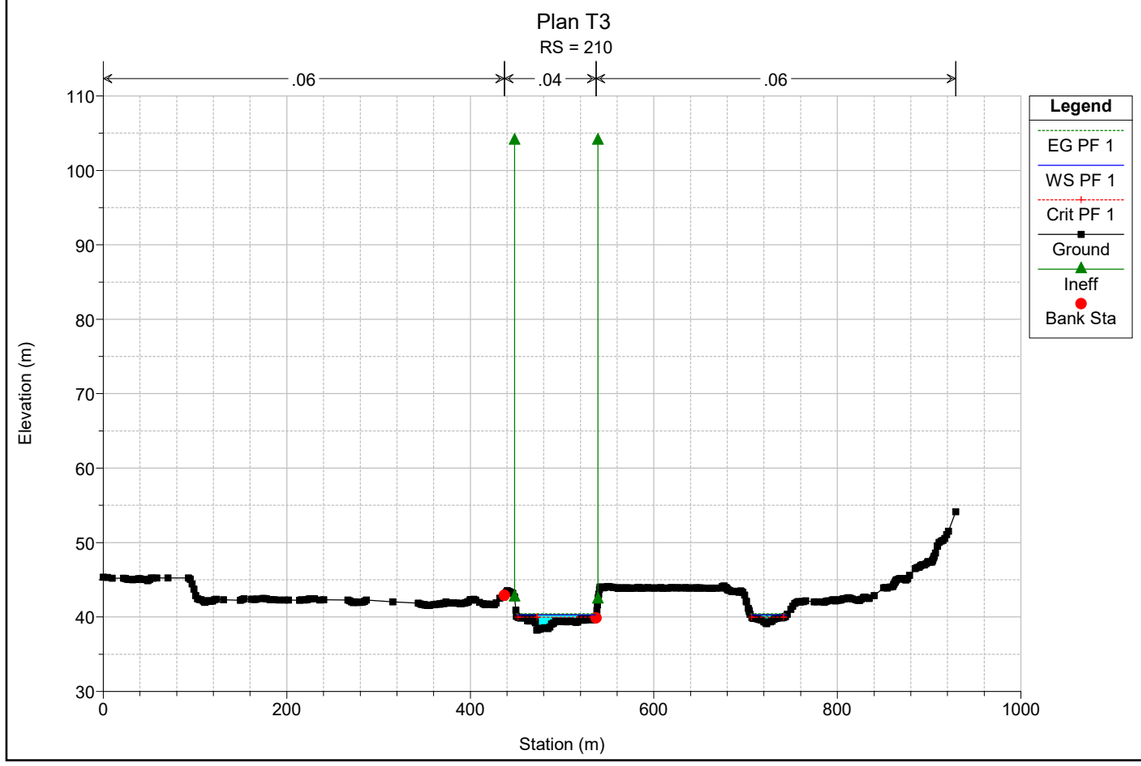

Plan T3
RS = 382
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

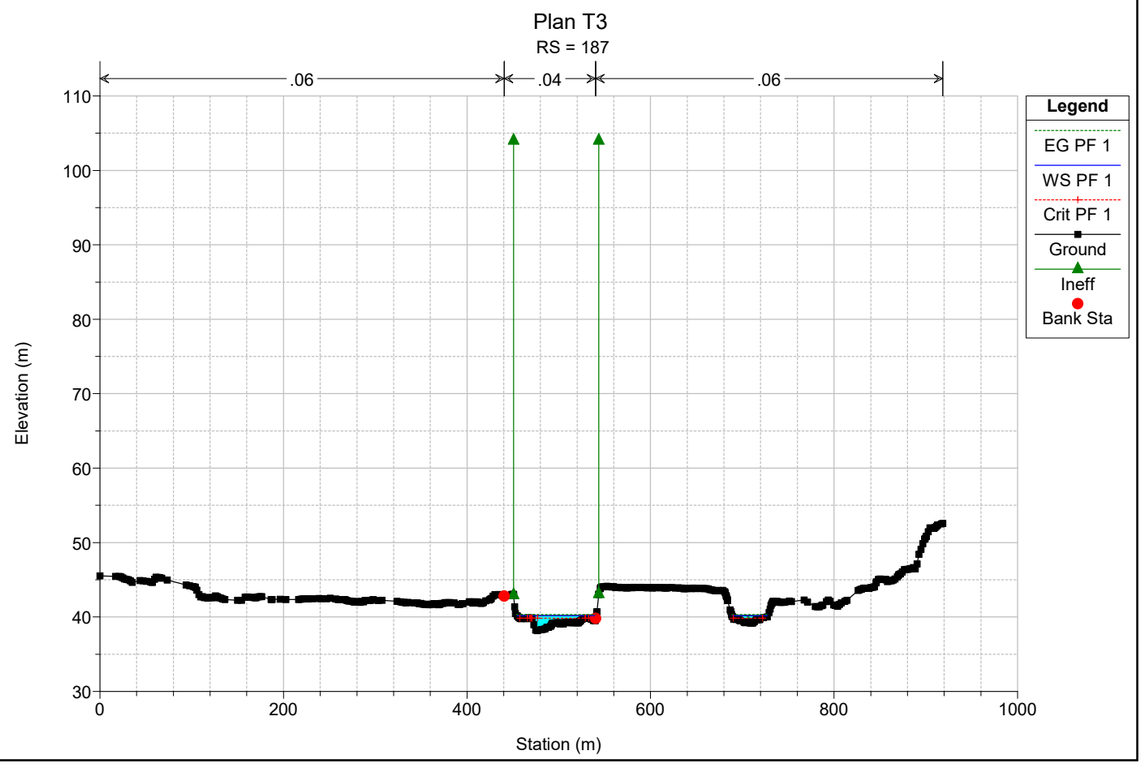

Plan T3
RS = 345
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

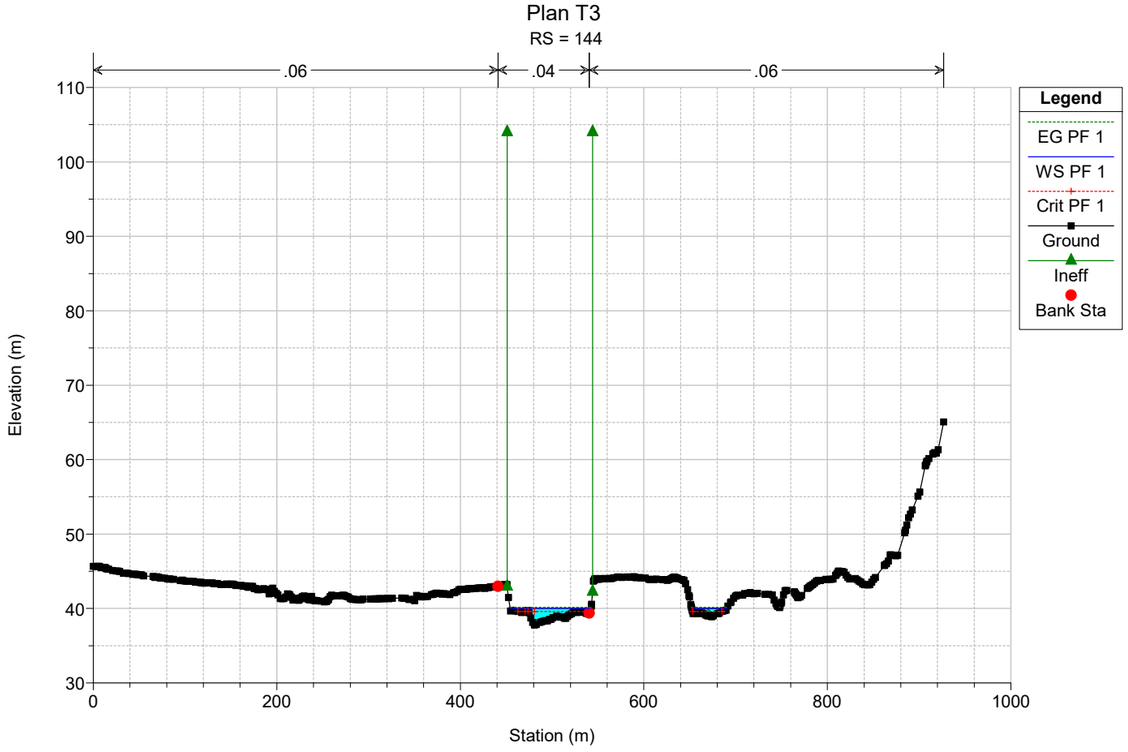

Plan T3
RS = 306
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

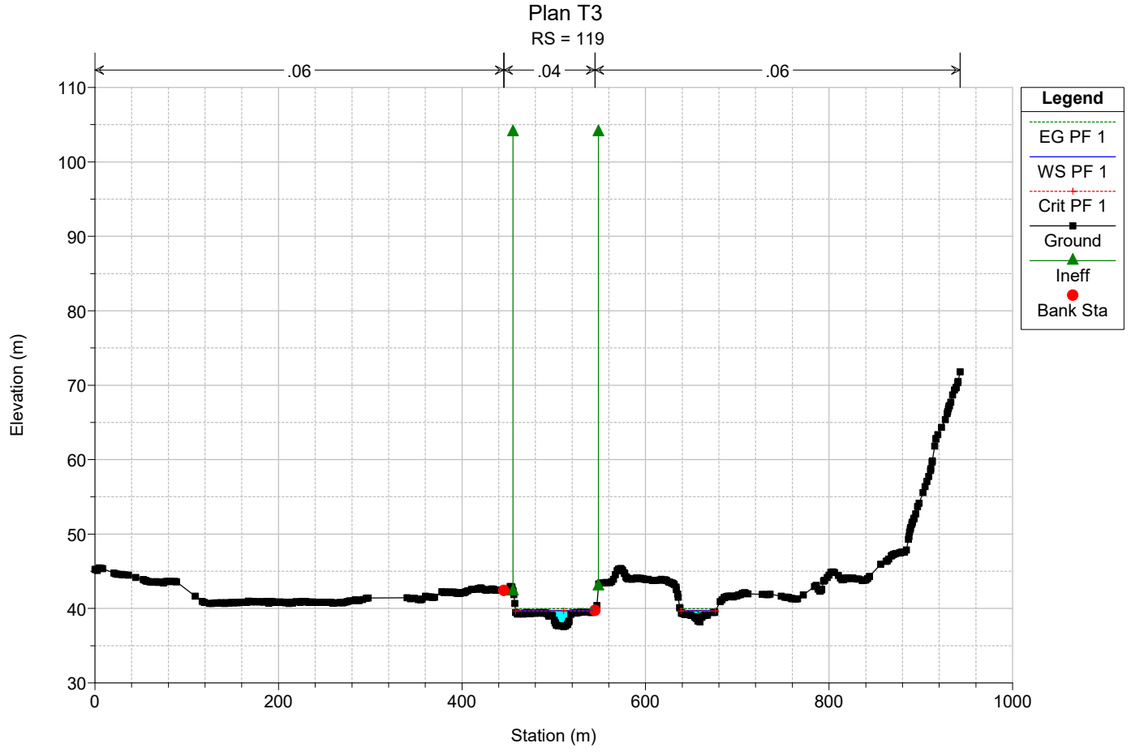

Plan T3
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

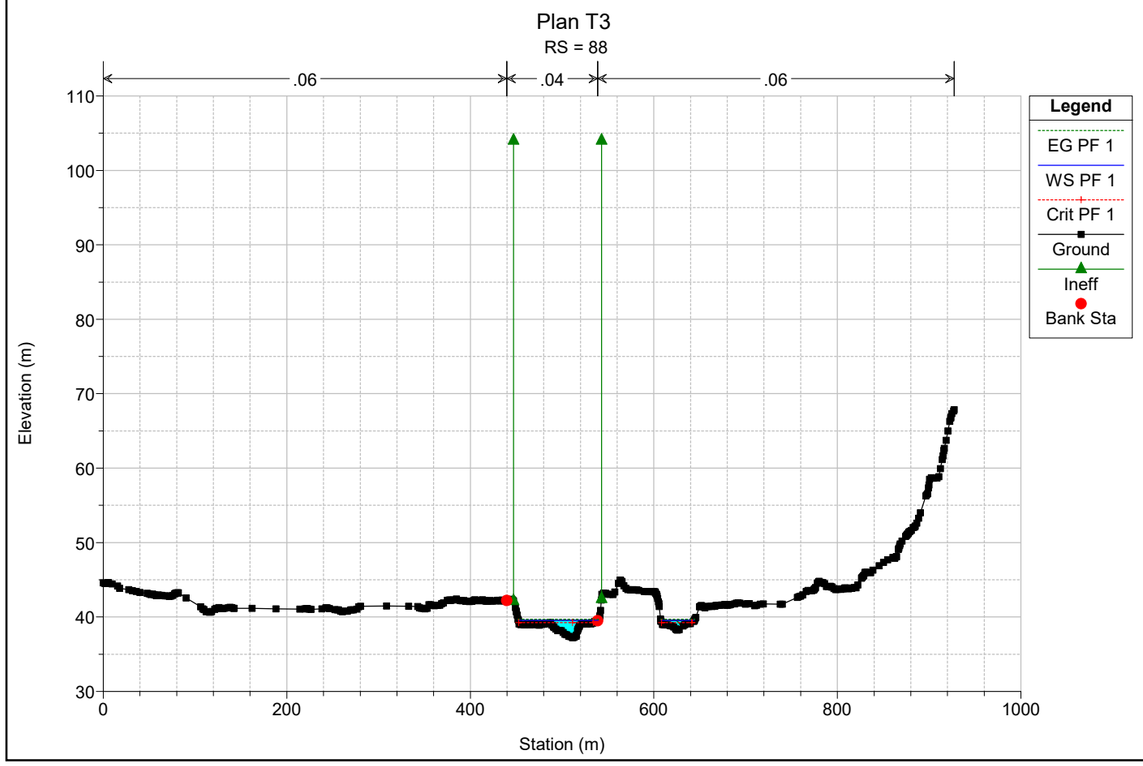

Plan T3
RS = 240
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

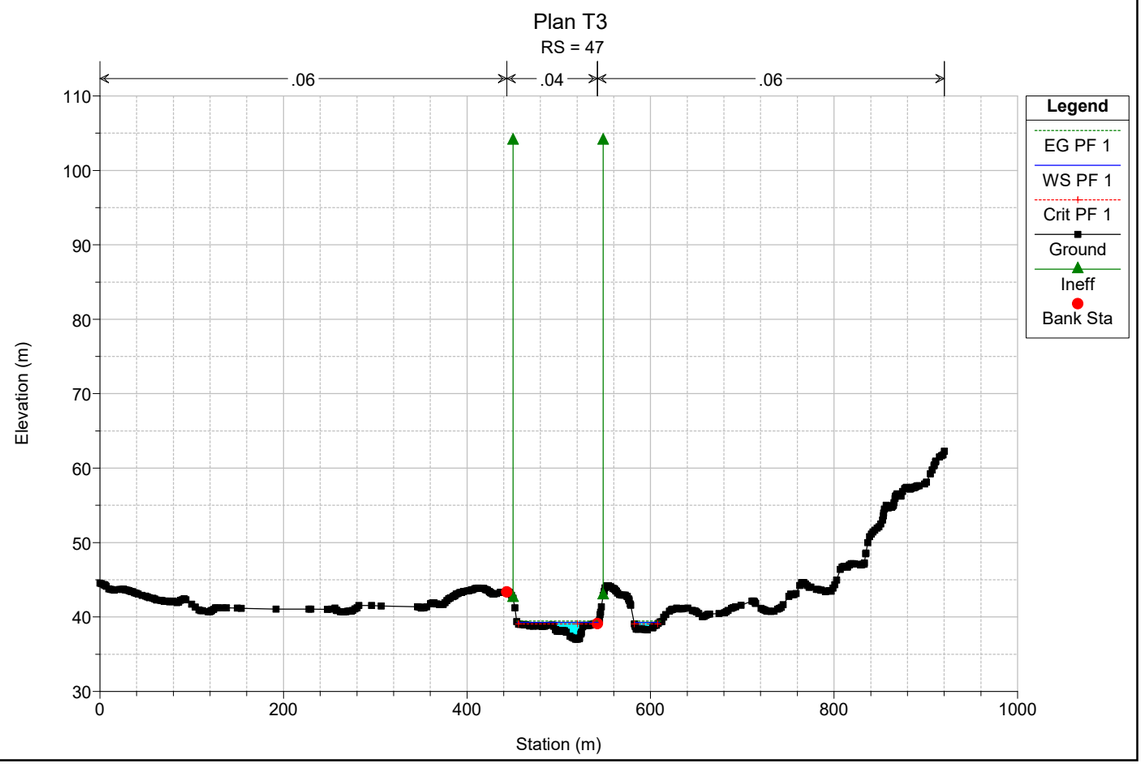

Plan T3
RS = 210
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

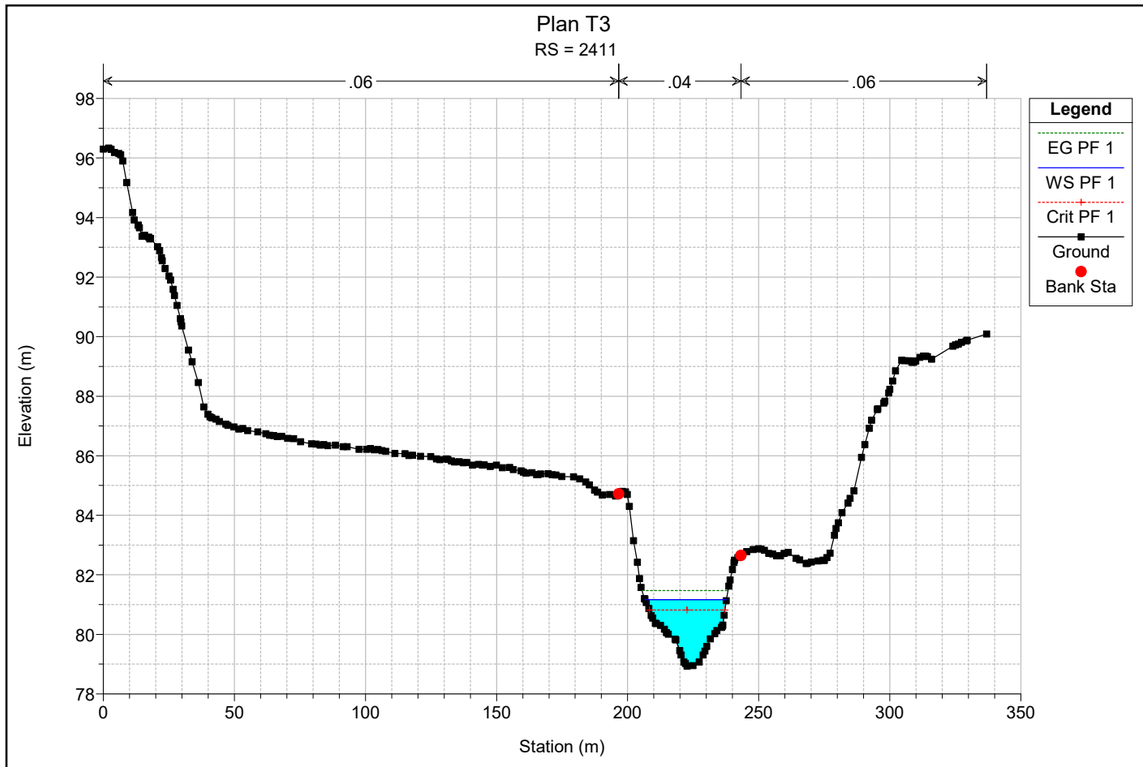

Plan T3
RS = 187
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
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40
30
0
200
400
600
800
1000

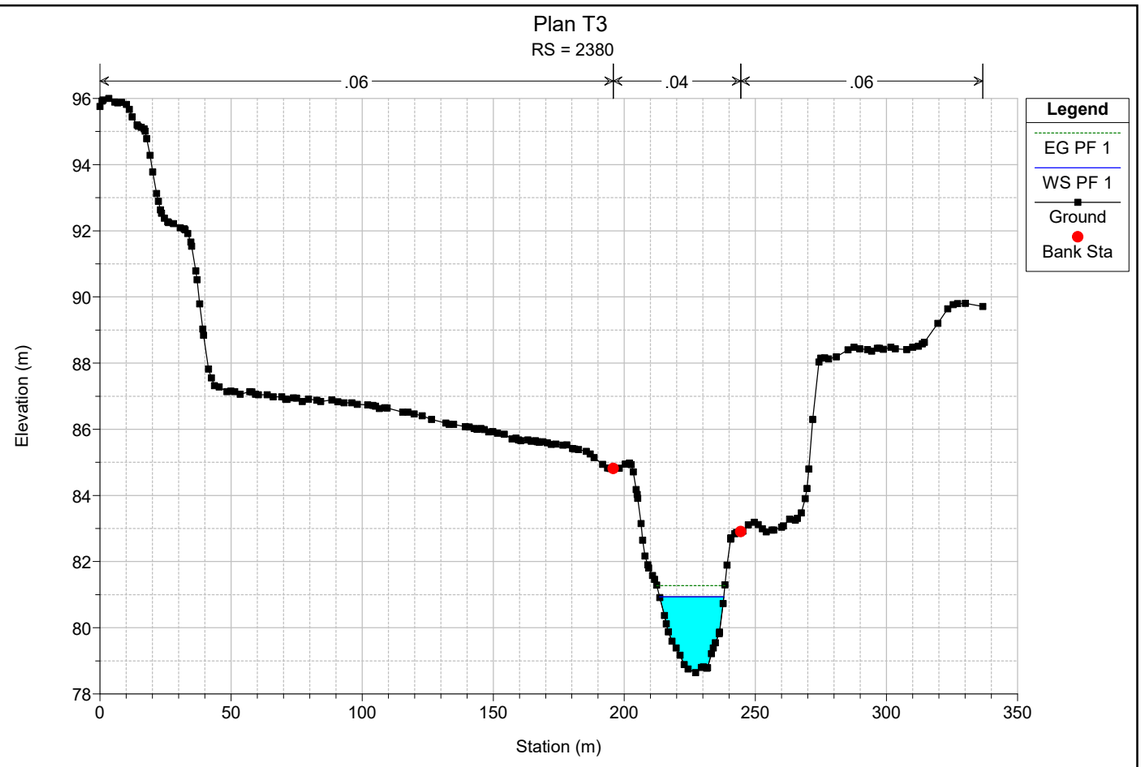

Plan T3
RS = 144
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

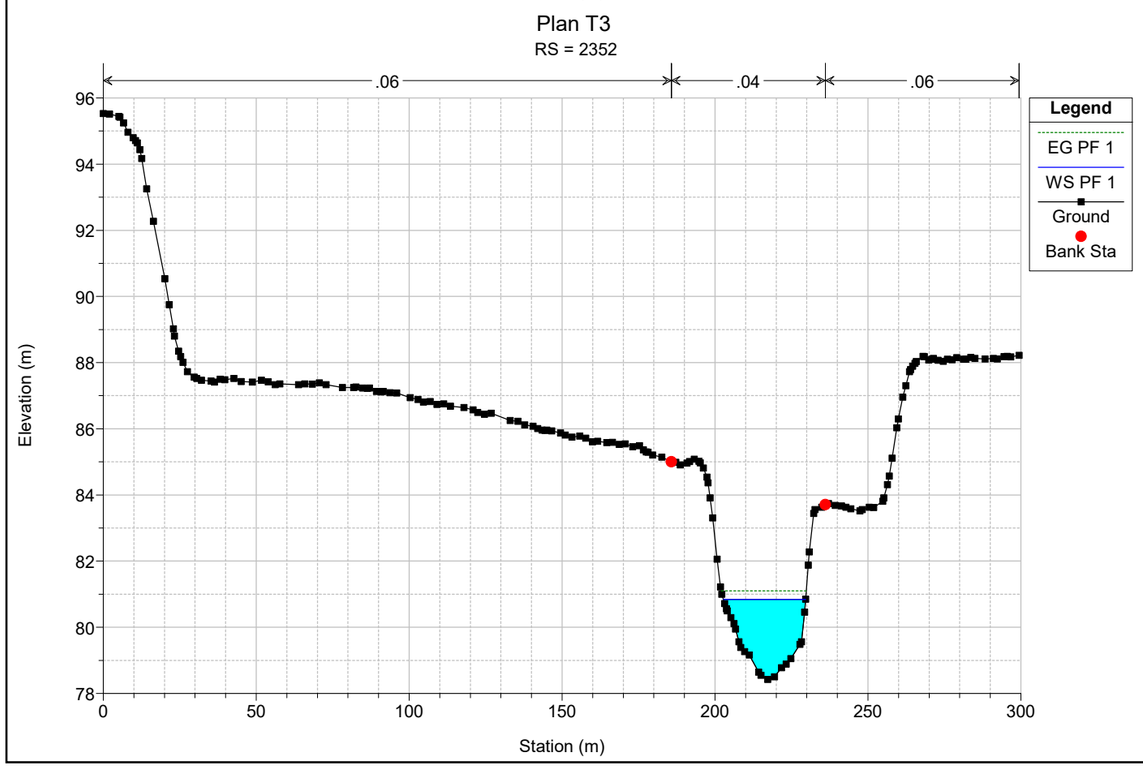

Plan T3
RS = 119
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
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40
30
0
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400
600
800
1000

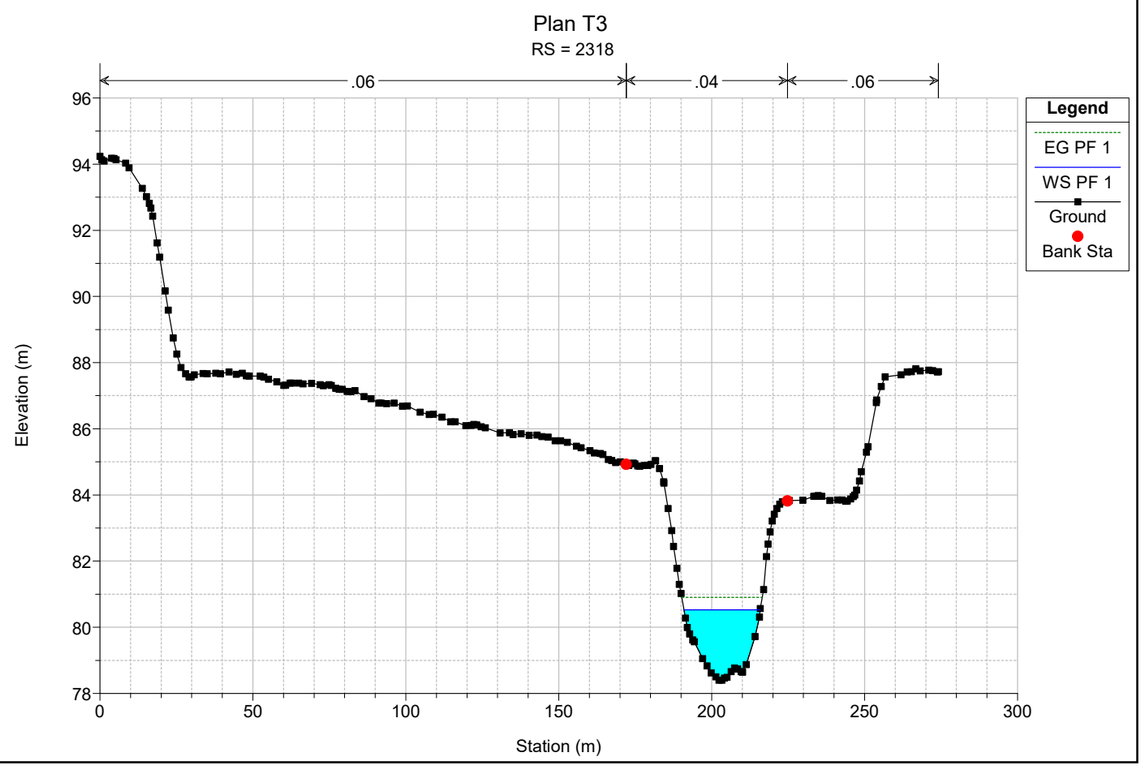

Plan T3
RS = 88
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
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40
30
0
200
400
600
800
1000

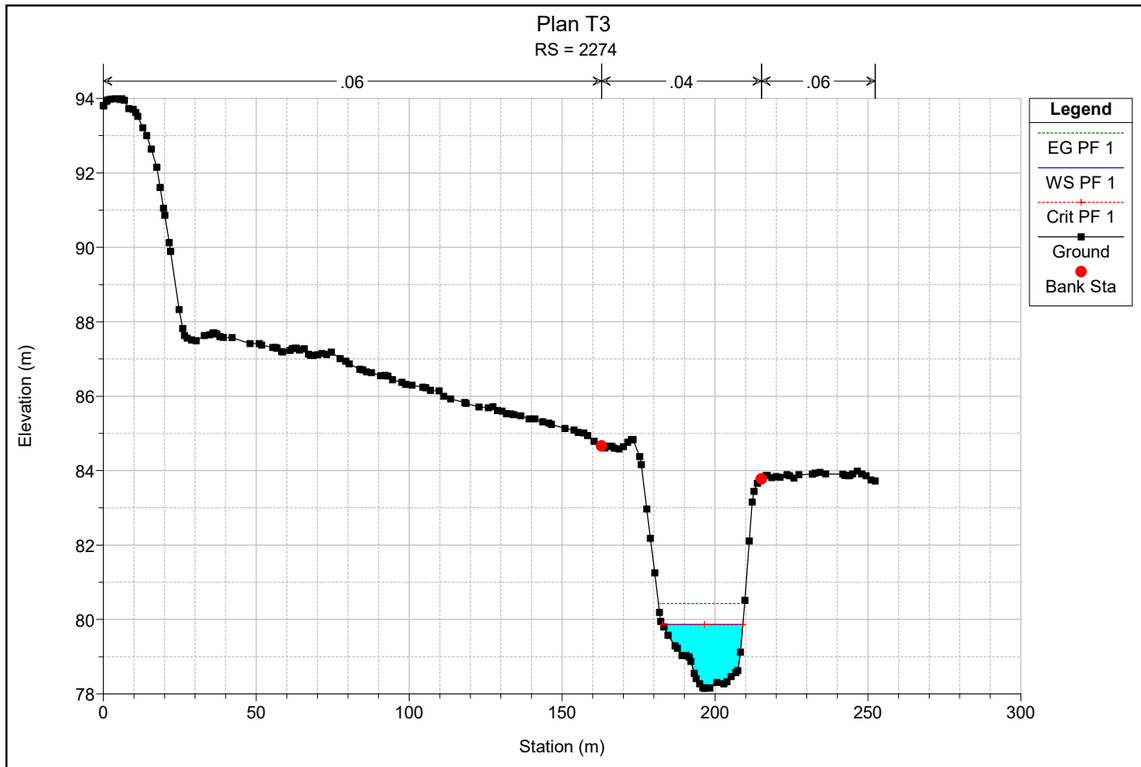

Plan T3
RS = 47
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

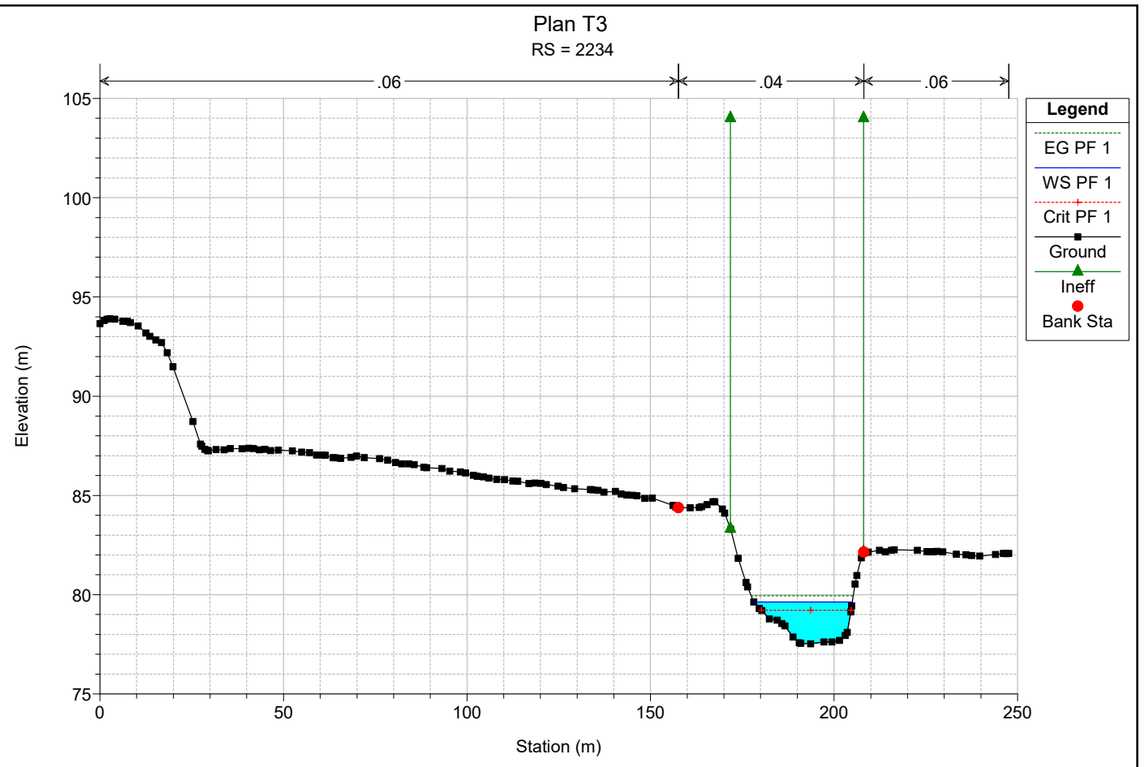

Plan T3
RS = 2411
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

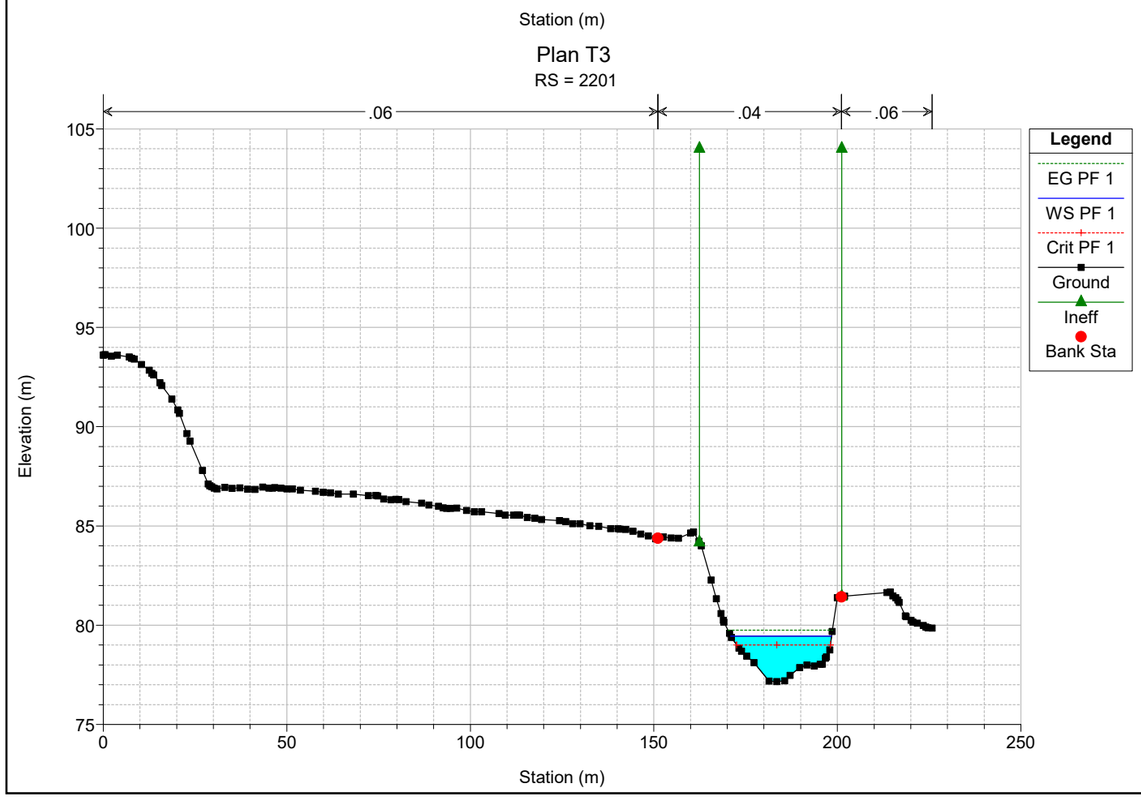

Plan T3
RS = 2380
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

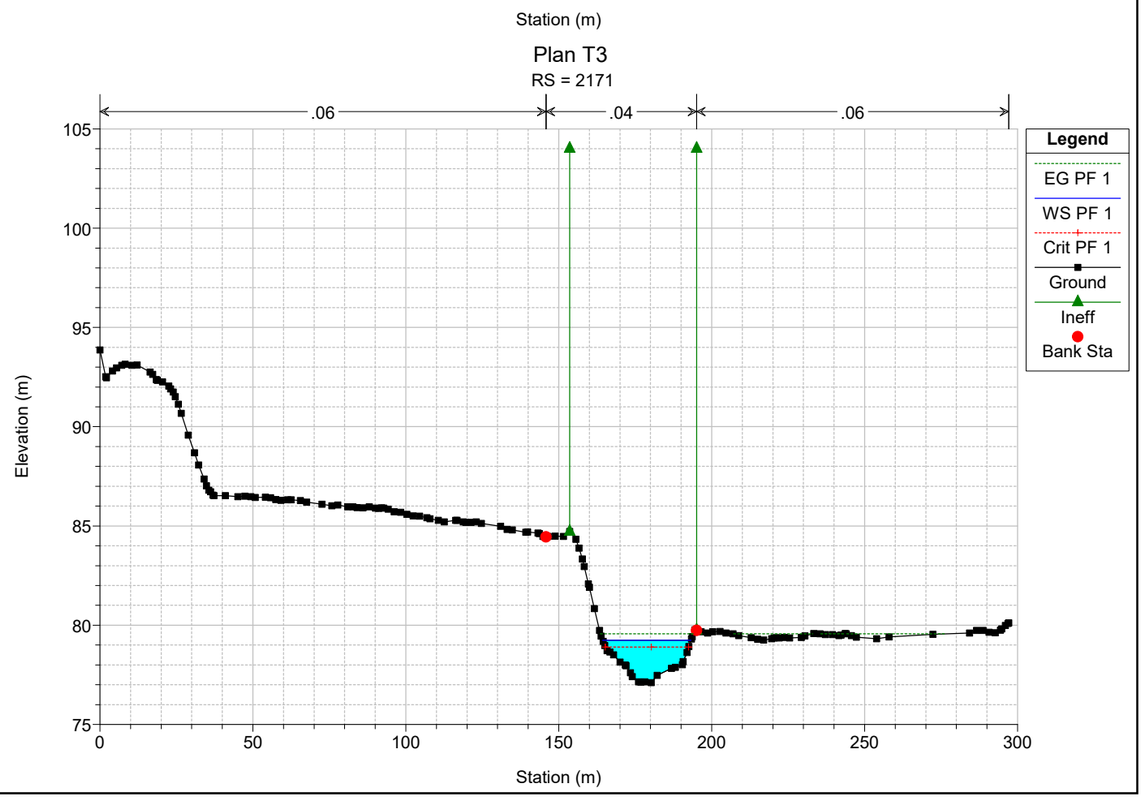

Plan T3
RS = 2352
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

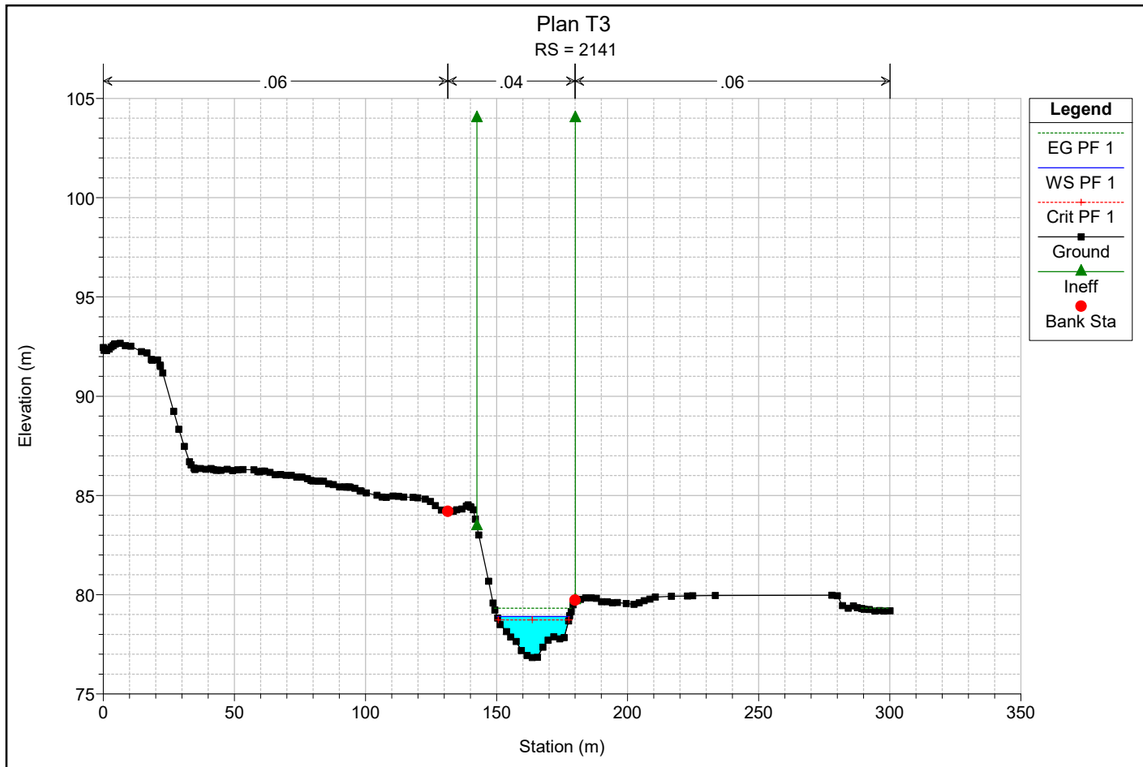

Plan T3
RS = 2318
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

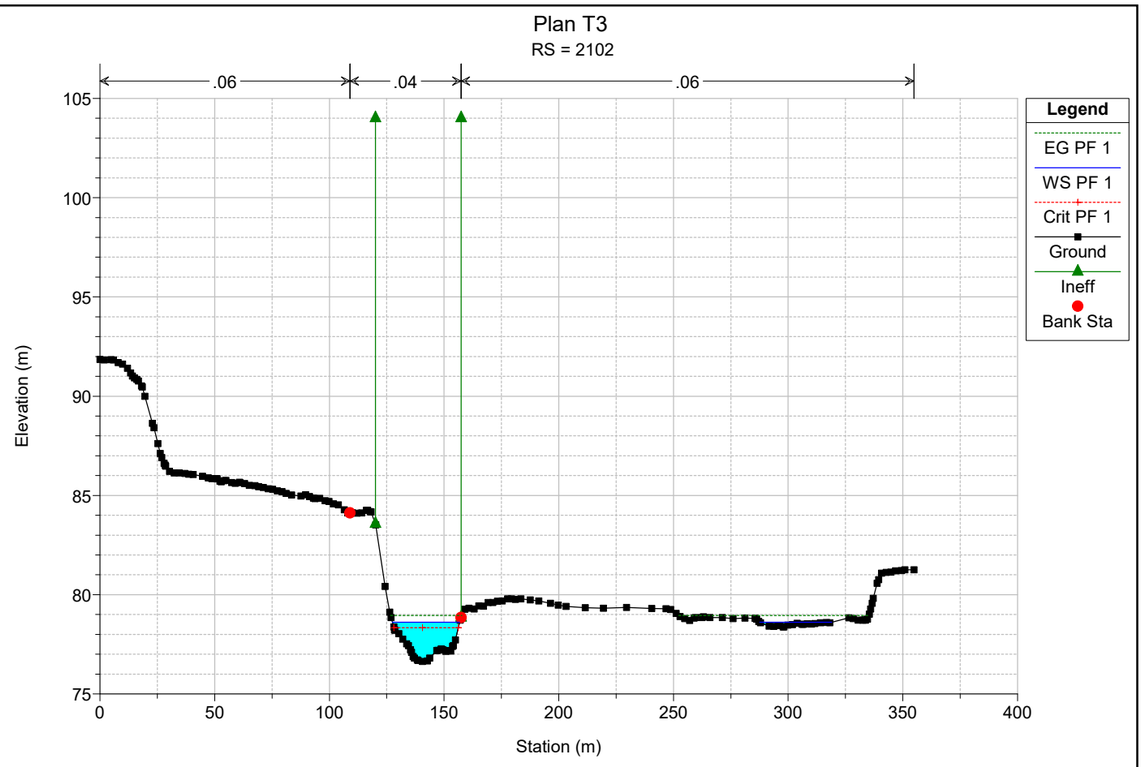

Plan T3
RS = 2274
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

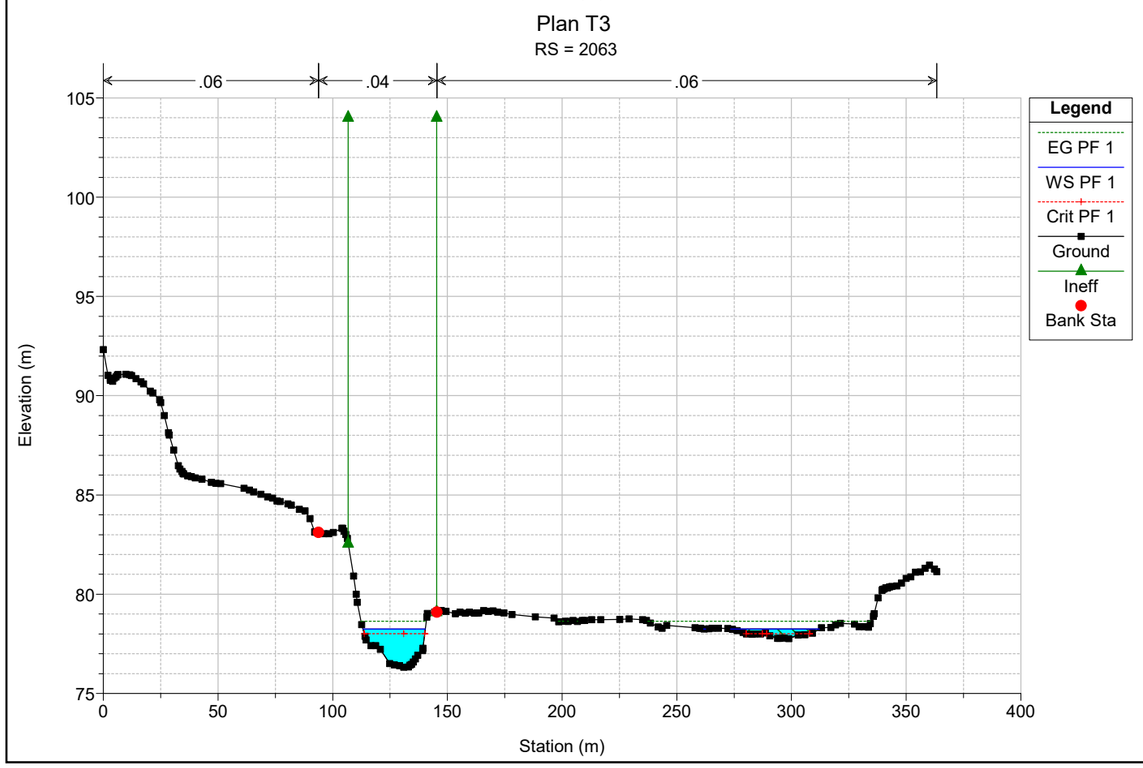

Plan T3
RS = 2234
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

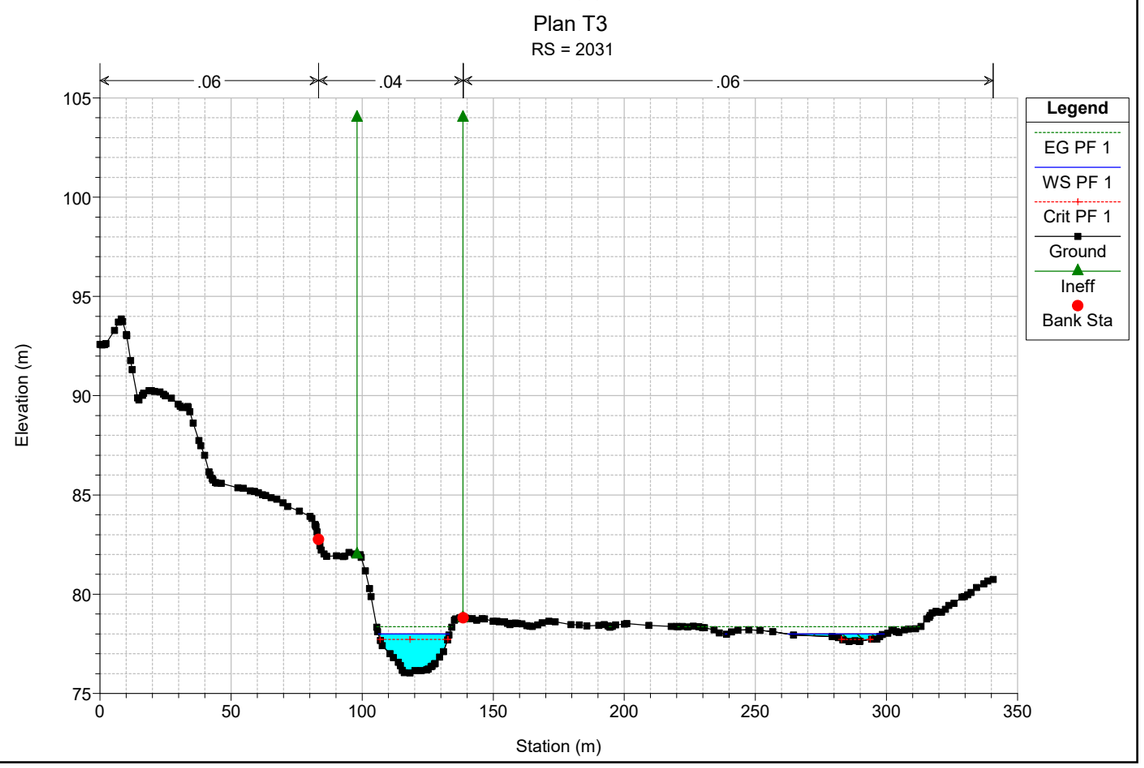

Plan T3
RS = 2201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

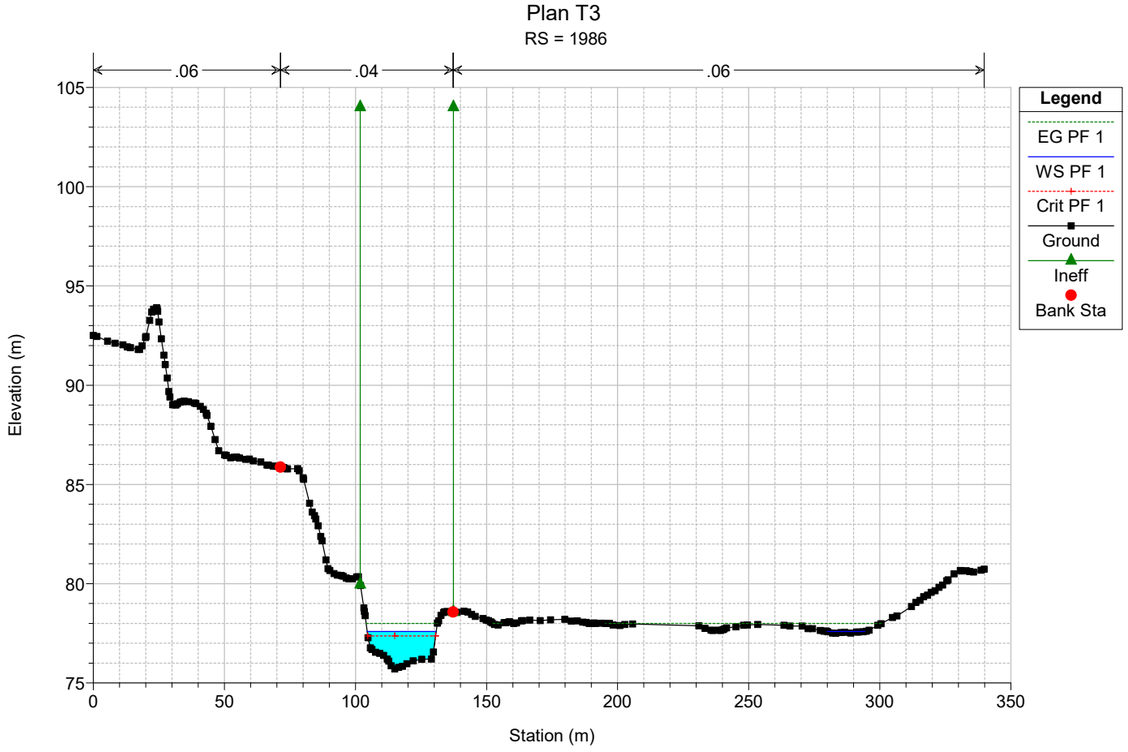

Plan T3
RS = 2171
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

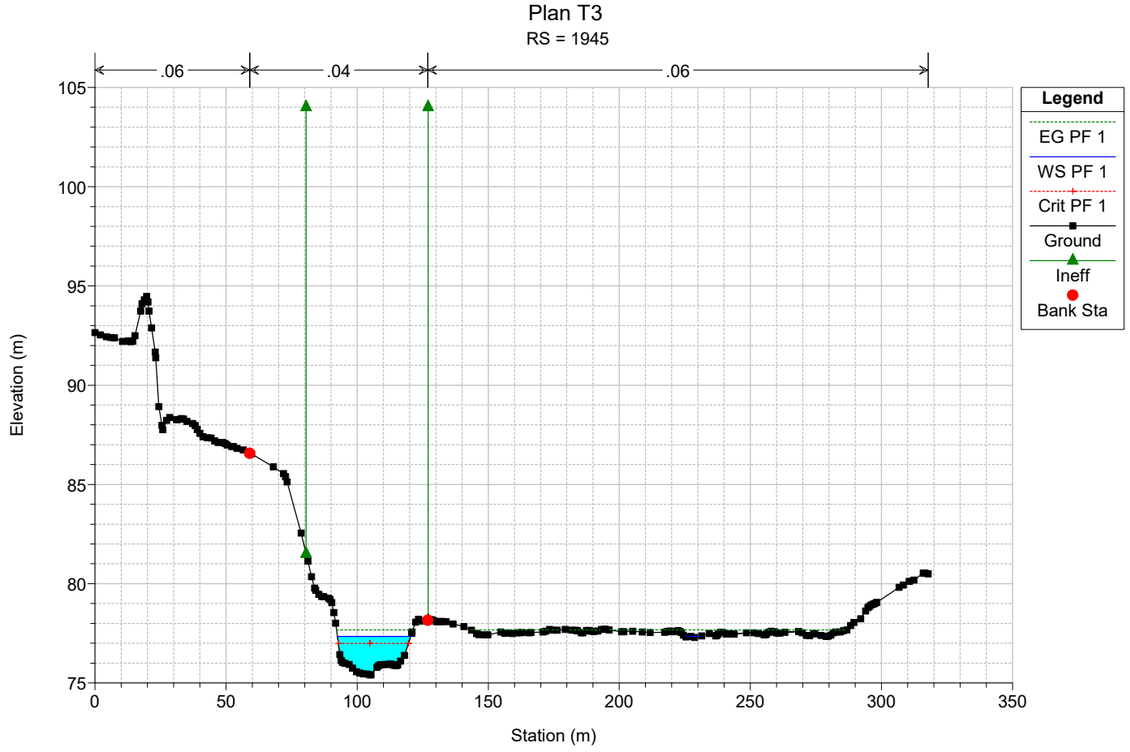

Plan T3
RS = 2141
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

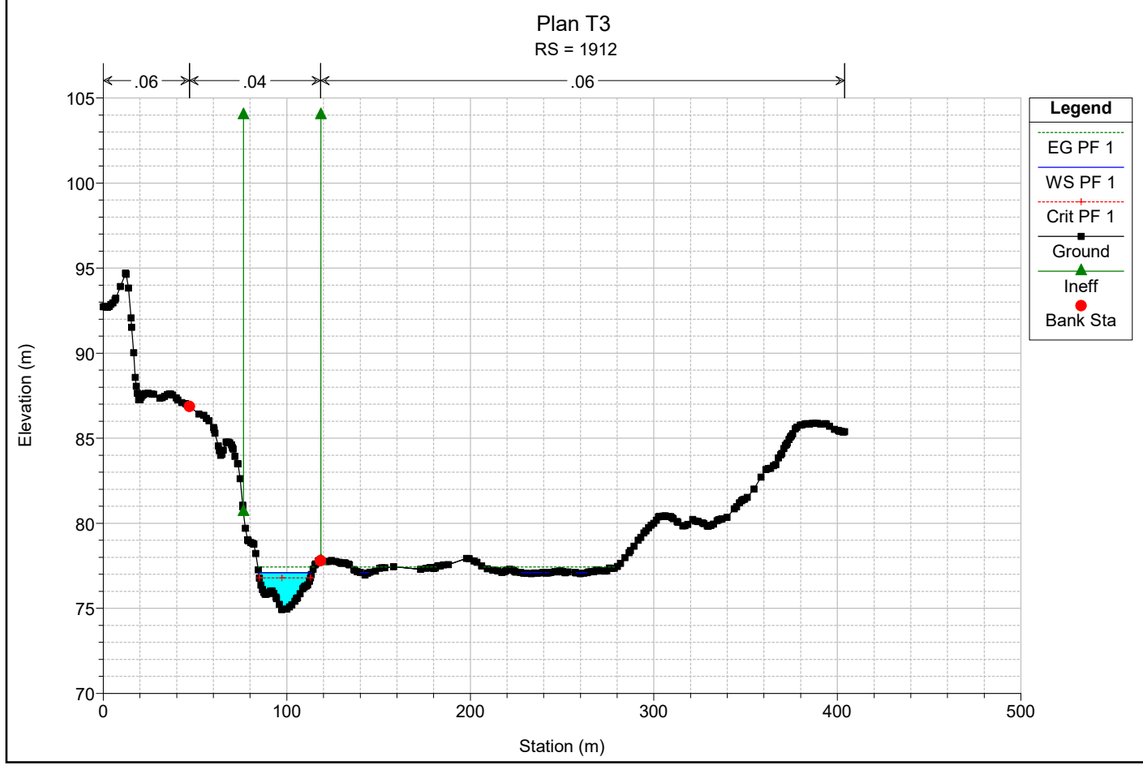

Plan T3
RS = 2102
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

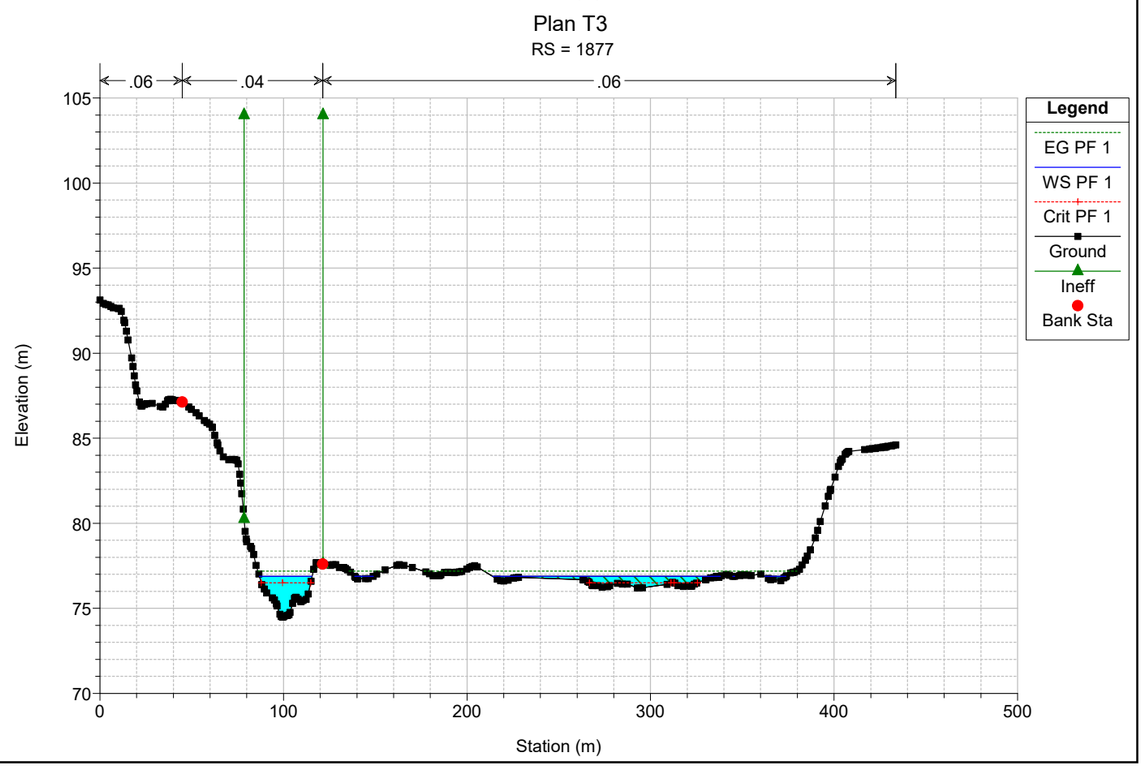

Plan T3
RS = 2063
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

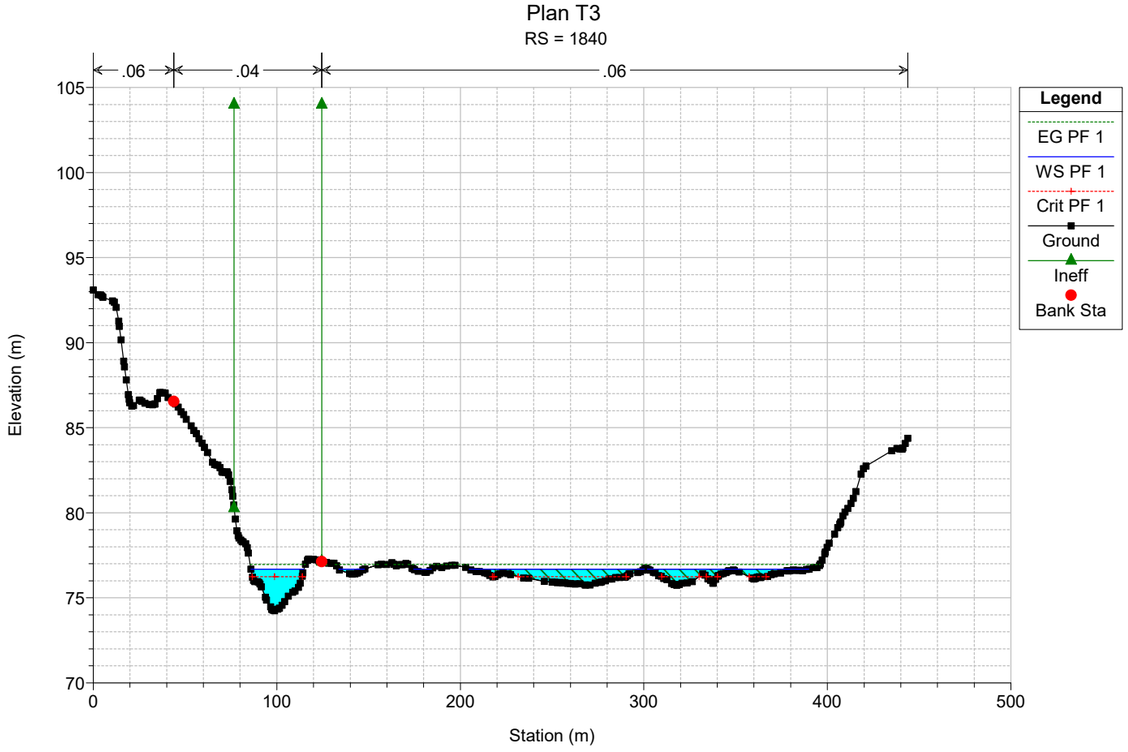

Plan T3
RS = 2031
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

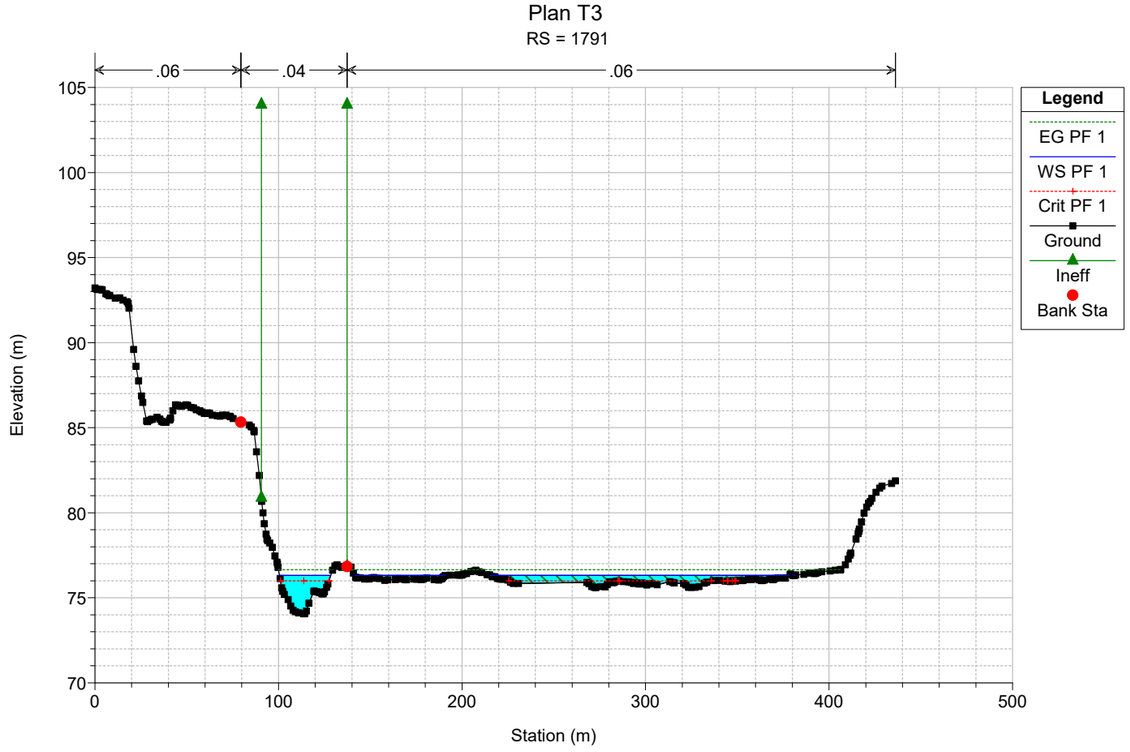

Plan T3
RS = 1986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

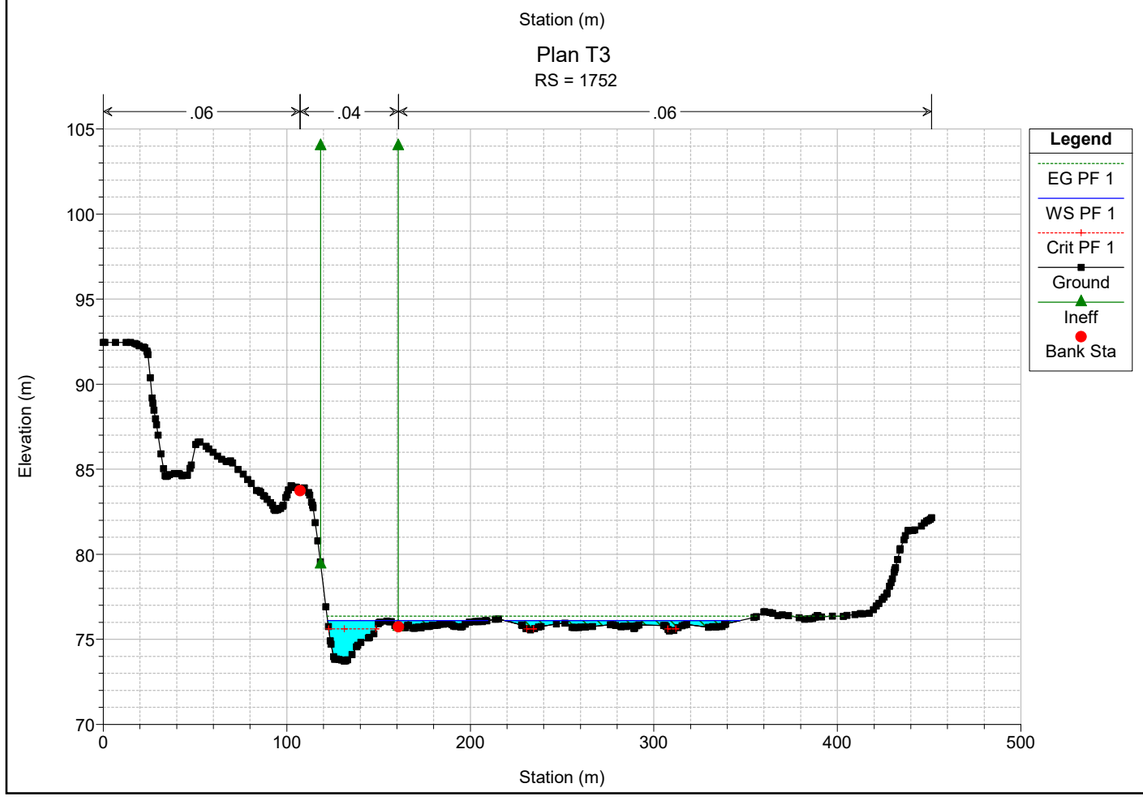

Plan T3
RS = 1945
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

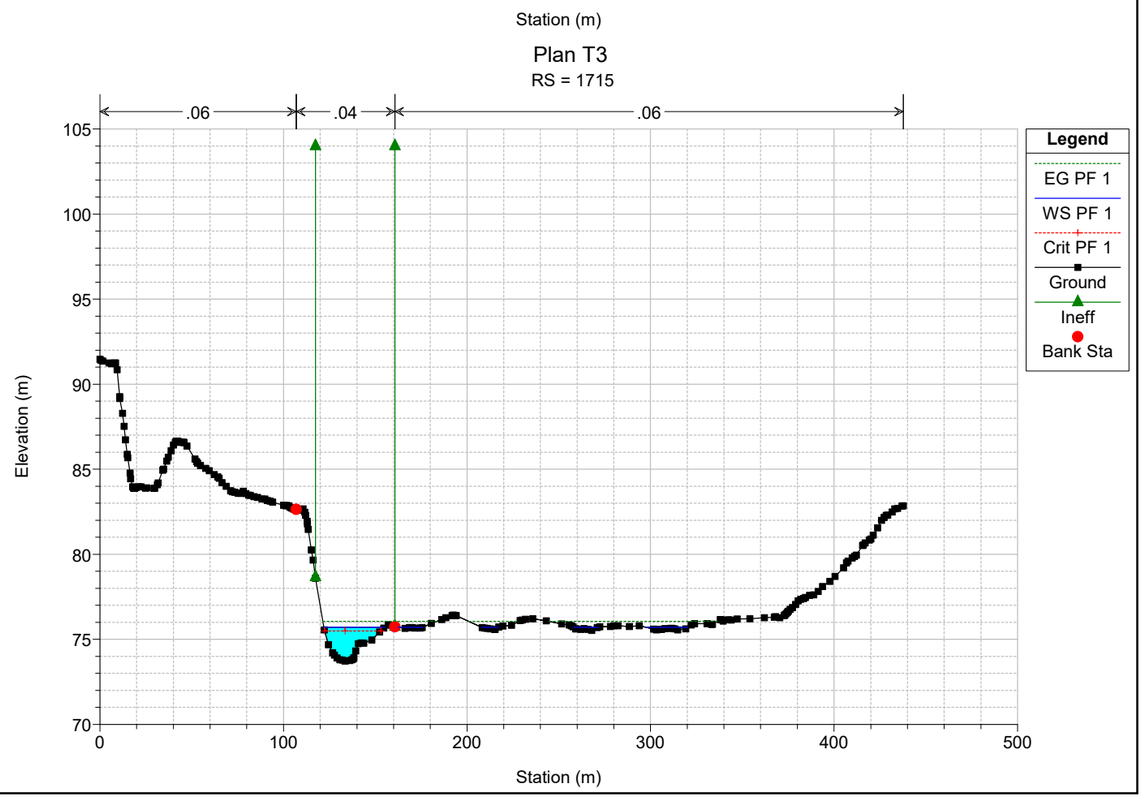

Plan T3
RS = 1912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

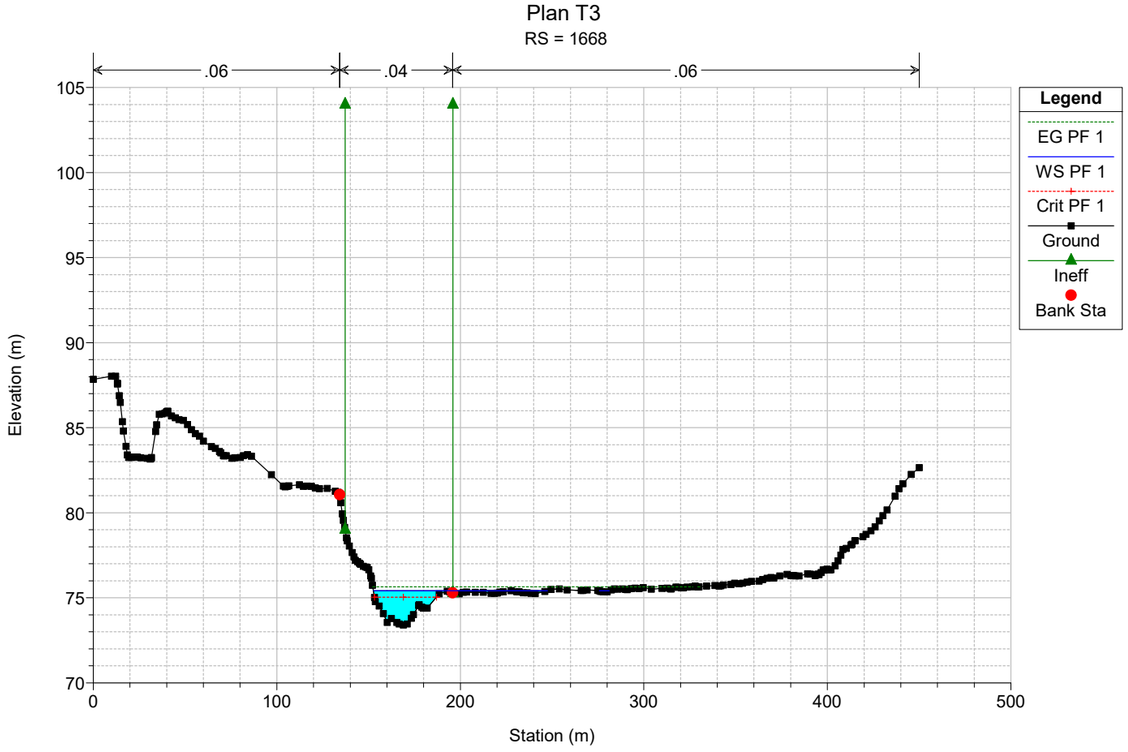

Plan T3
RS = 1877
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

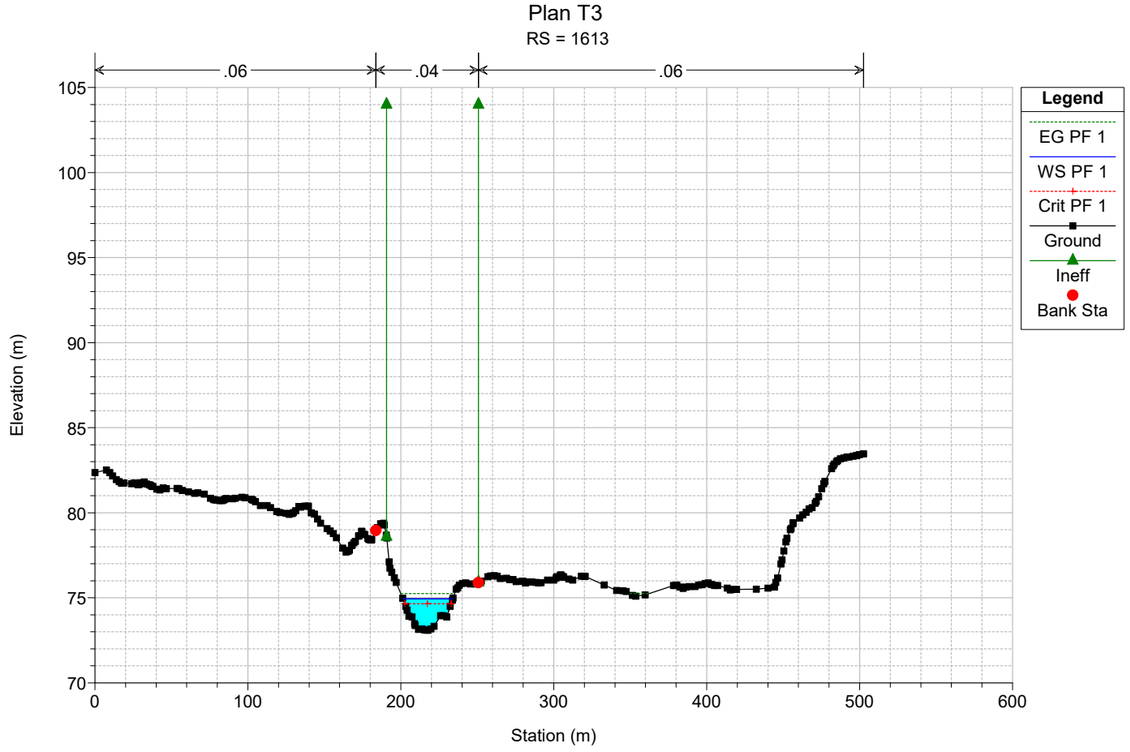

Plan T3
RS = 1840
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

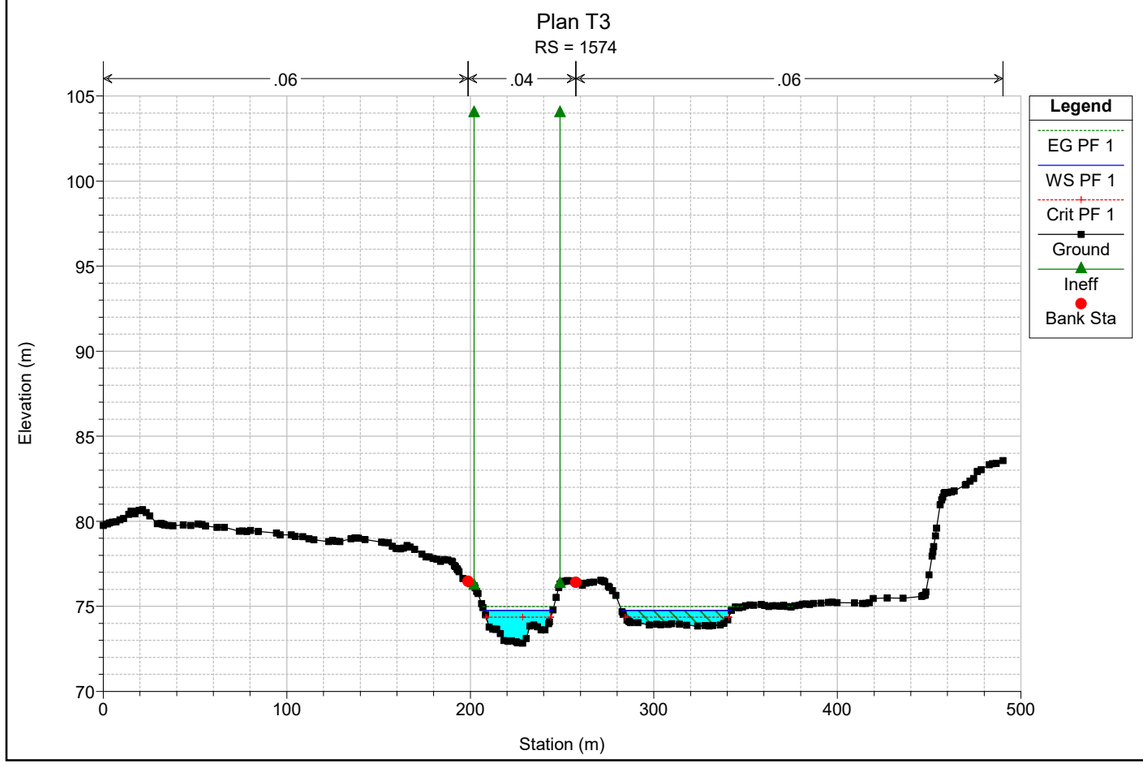

Plan T3
RS = 1791
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

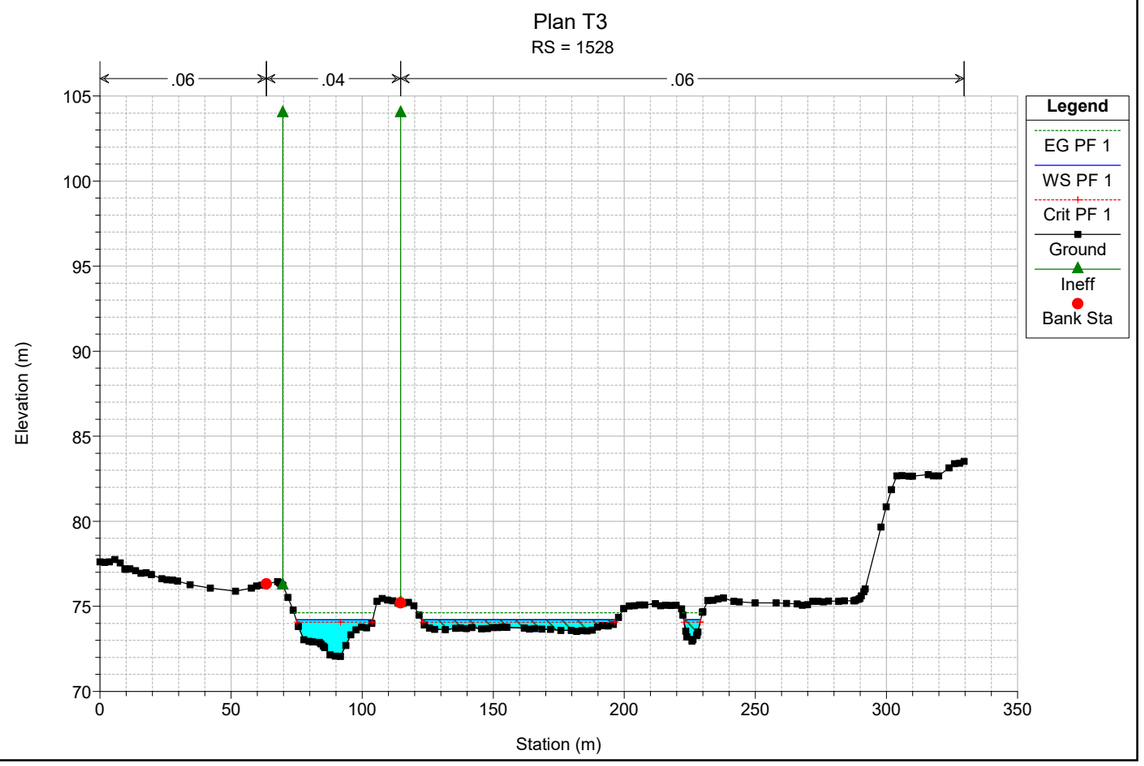

Plan T3
RS = 1752
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

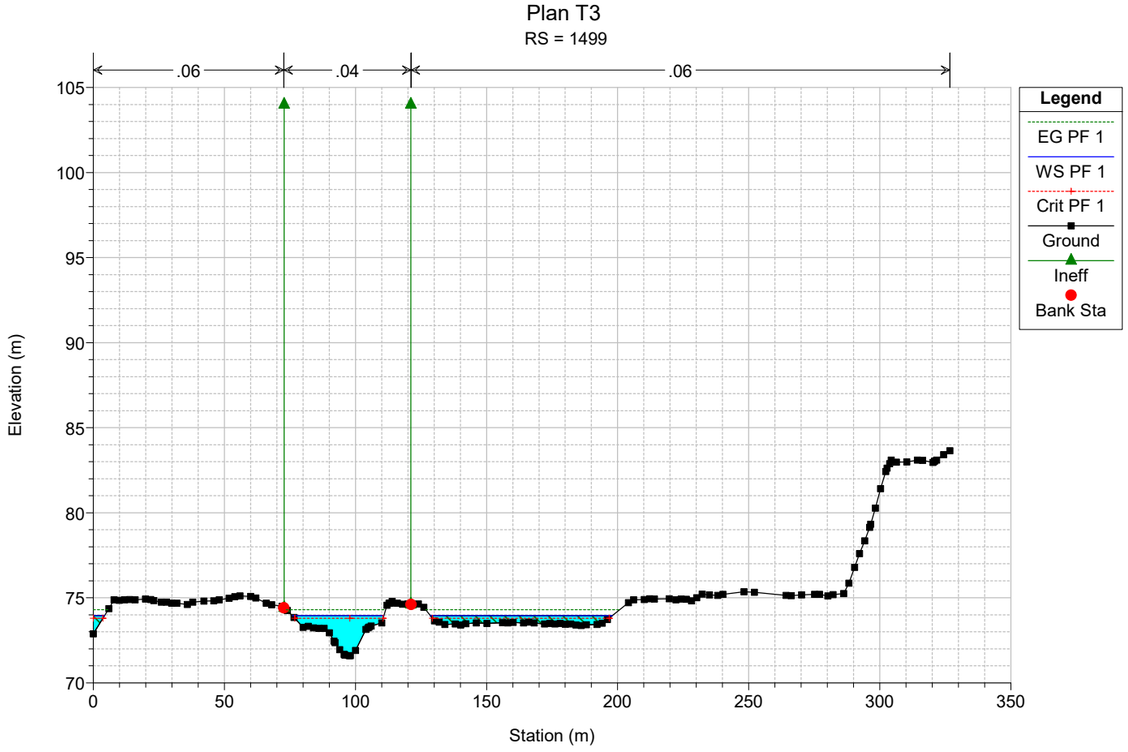

Plan T3
RS = 1715
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

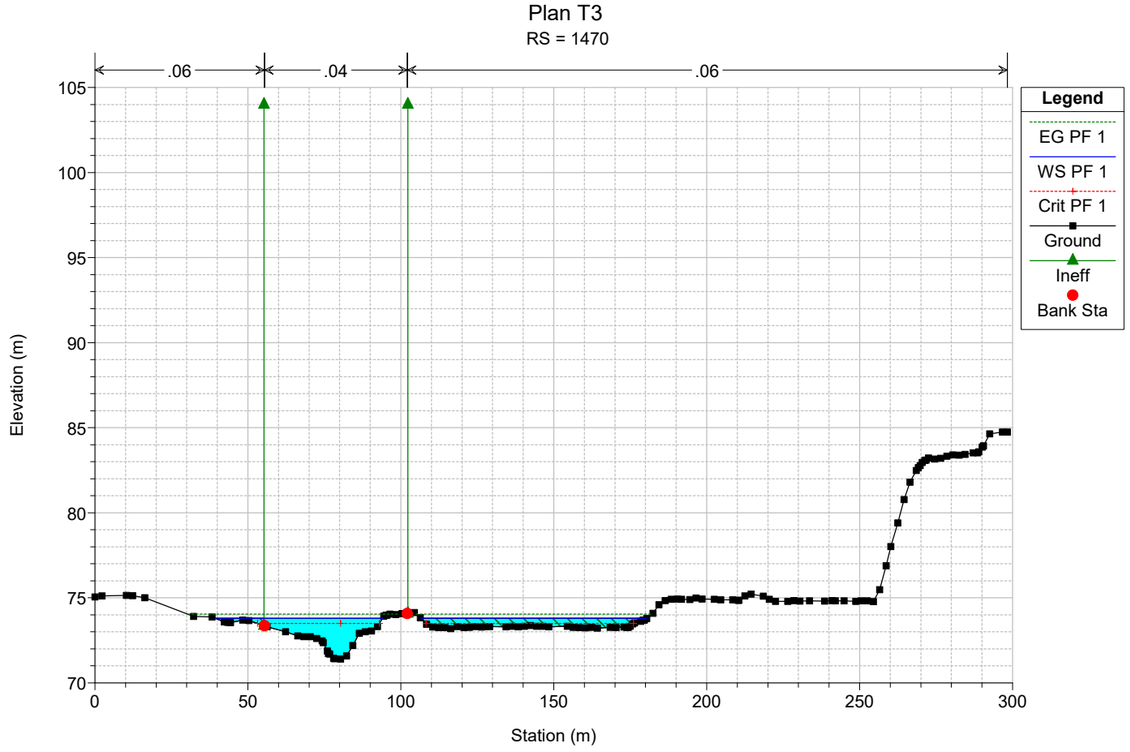

Plan T3
RS = 1668
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

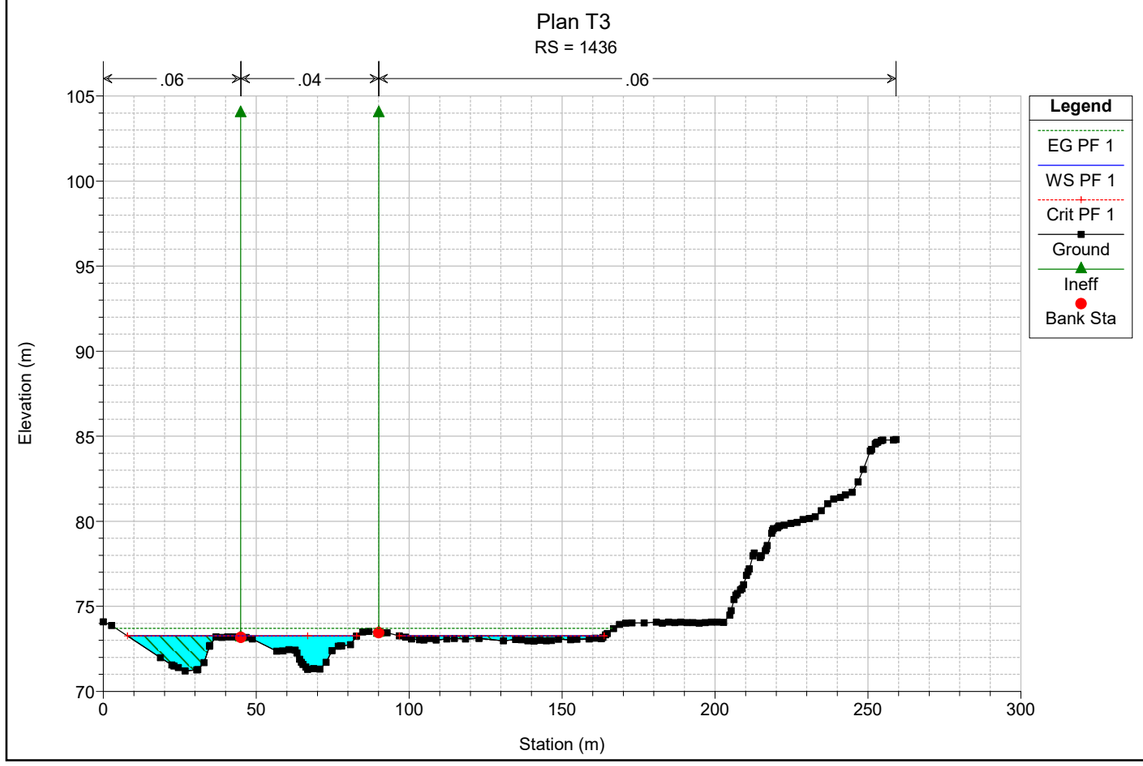

Plan T3
RS = 1613
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500
600

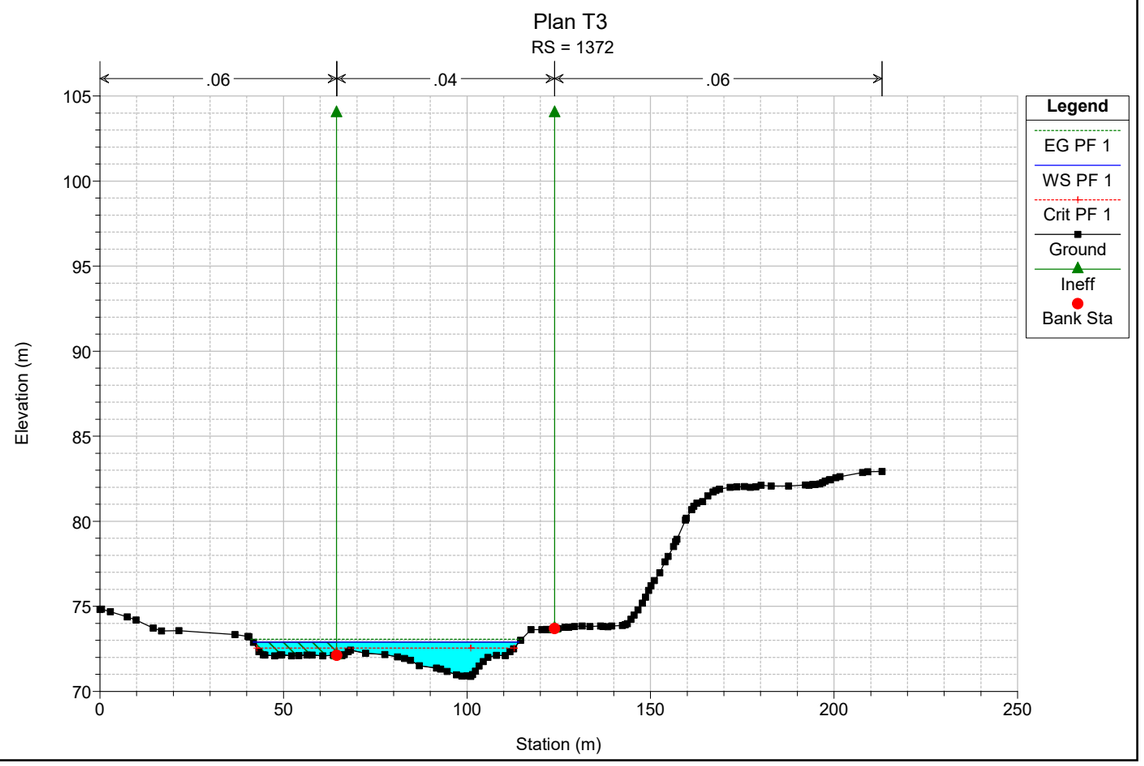

Plan T3
RS = 1574
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

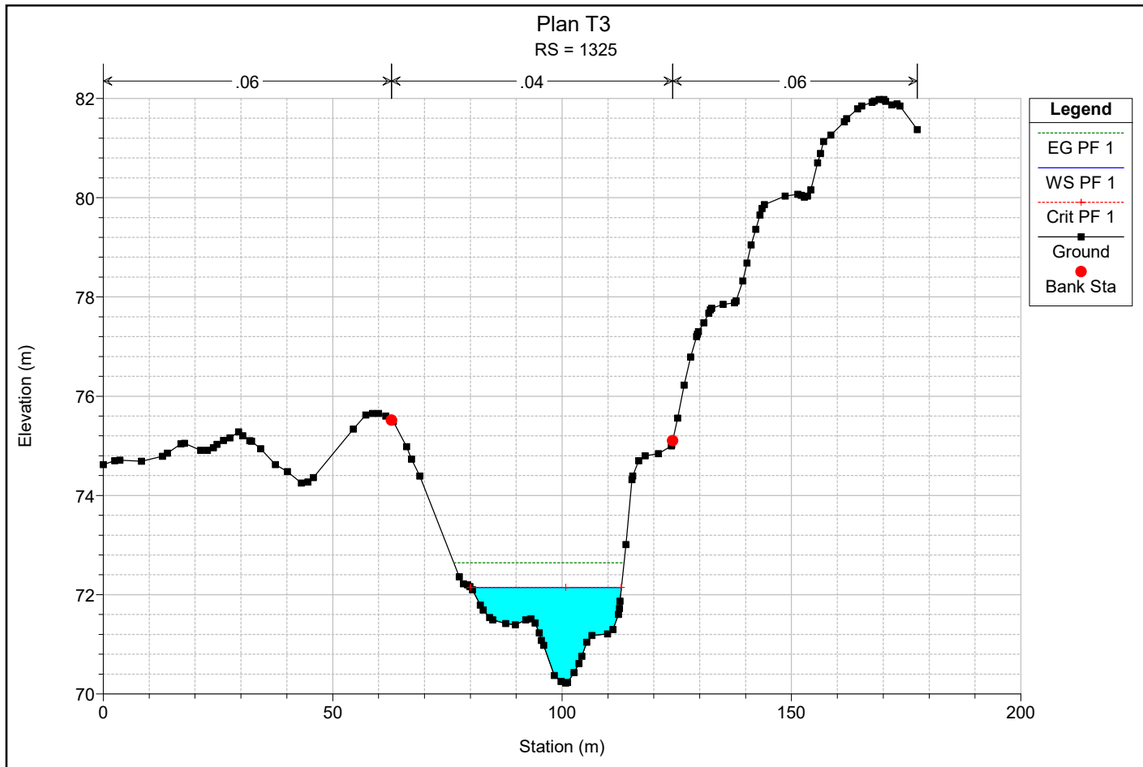

Plan T3
RS = 1528
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300
350

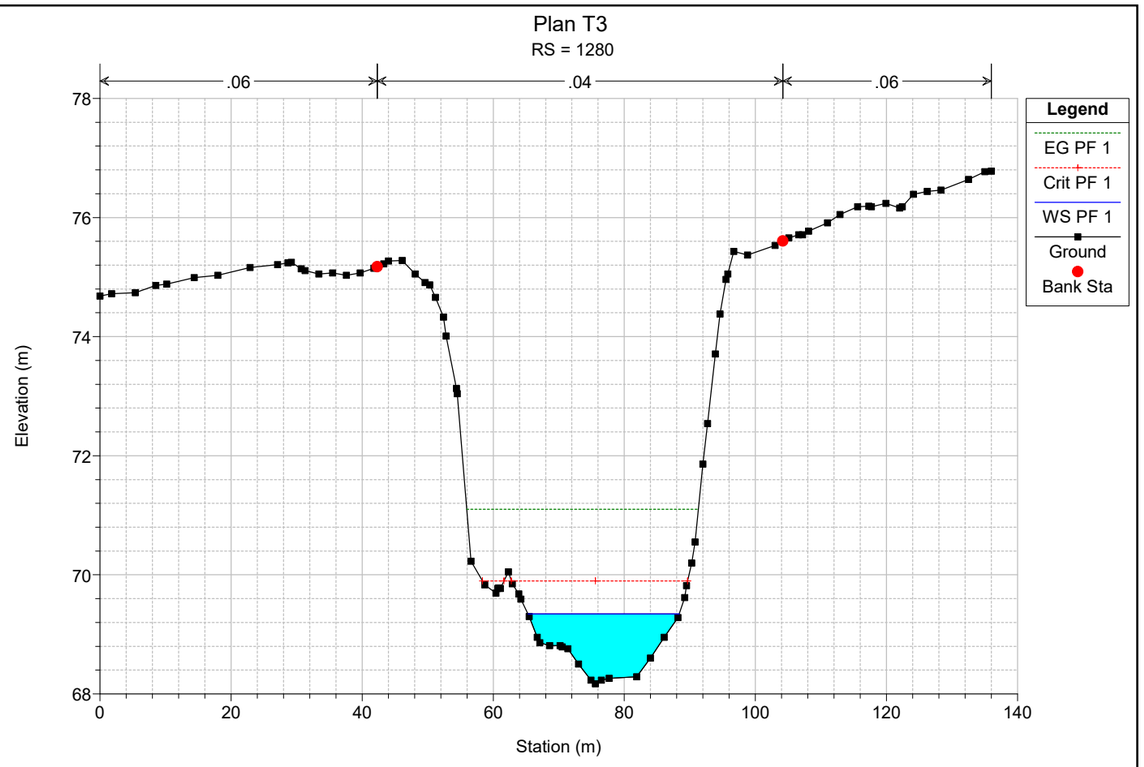

Plan T3
RS = 1499
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300
350

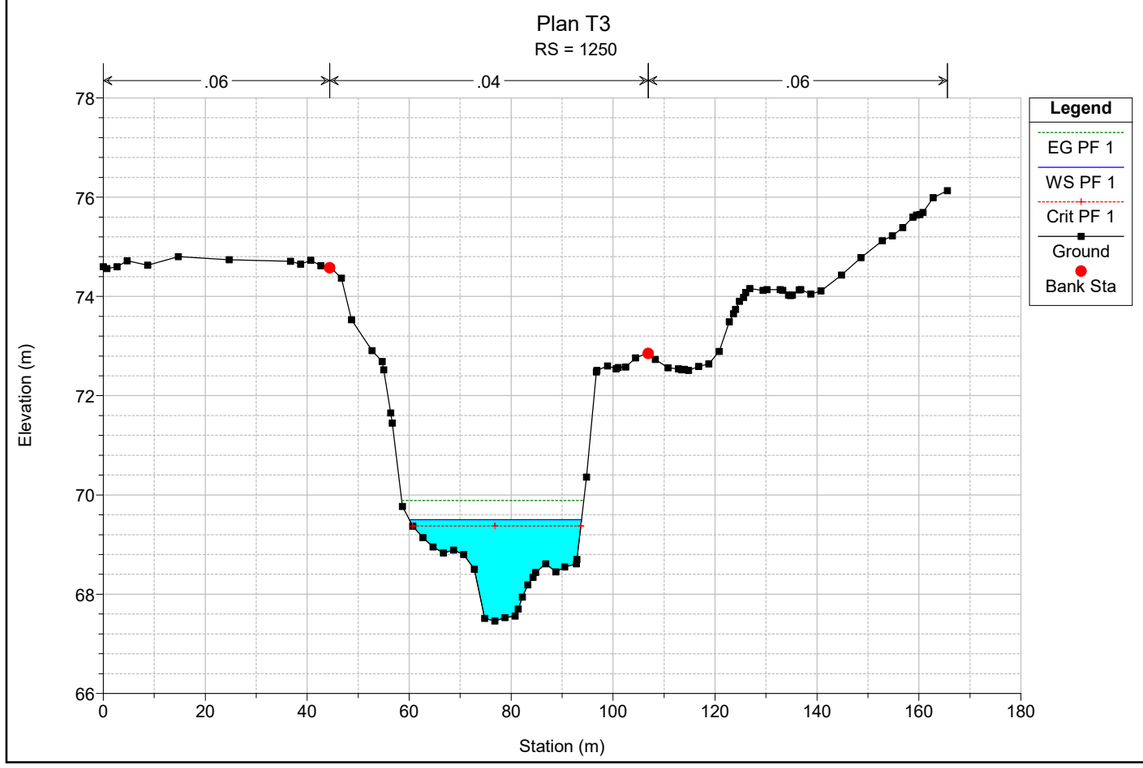

Plan T3
RS = 1470
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300

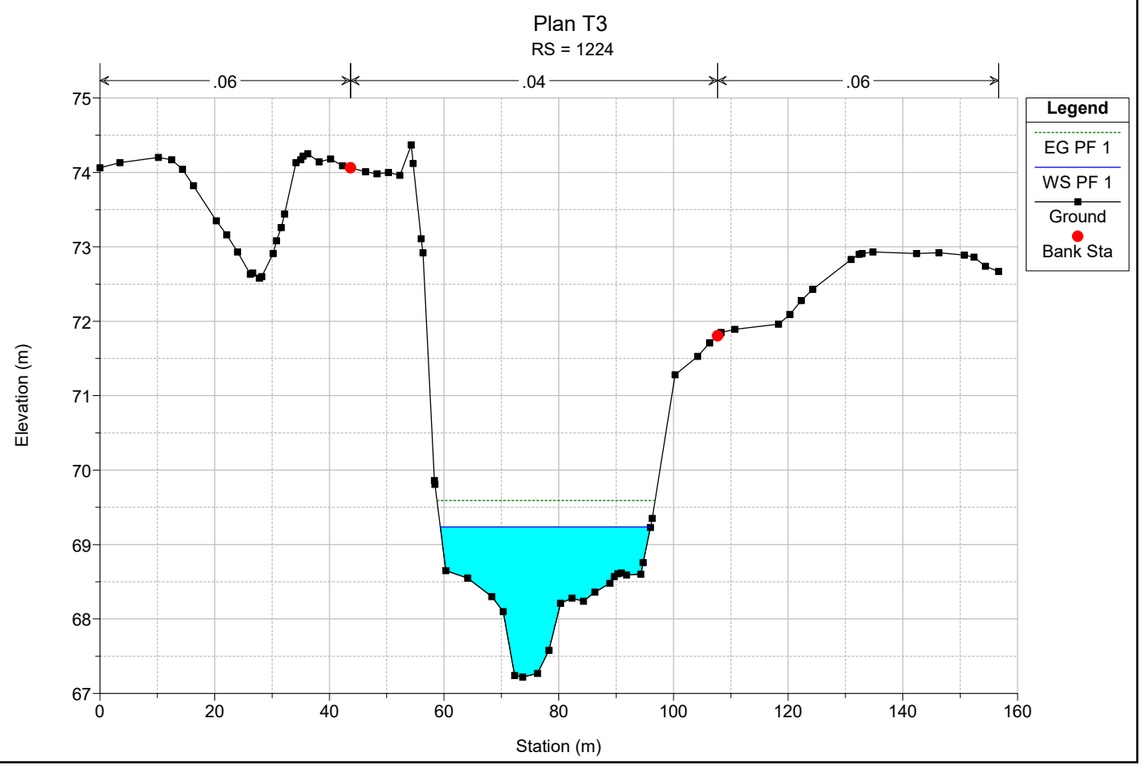

Plan T3
RS = 1436
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300

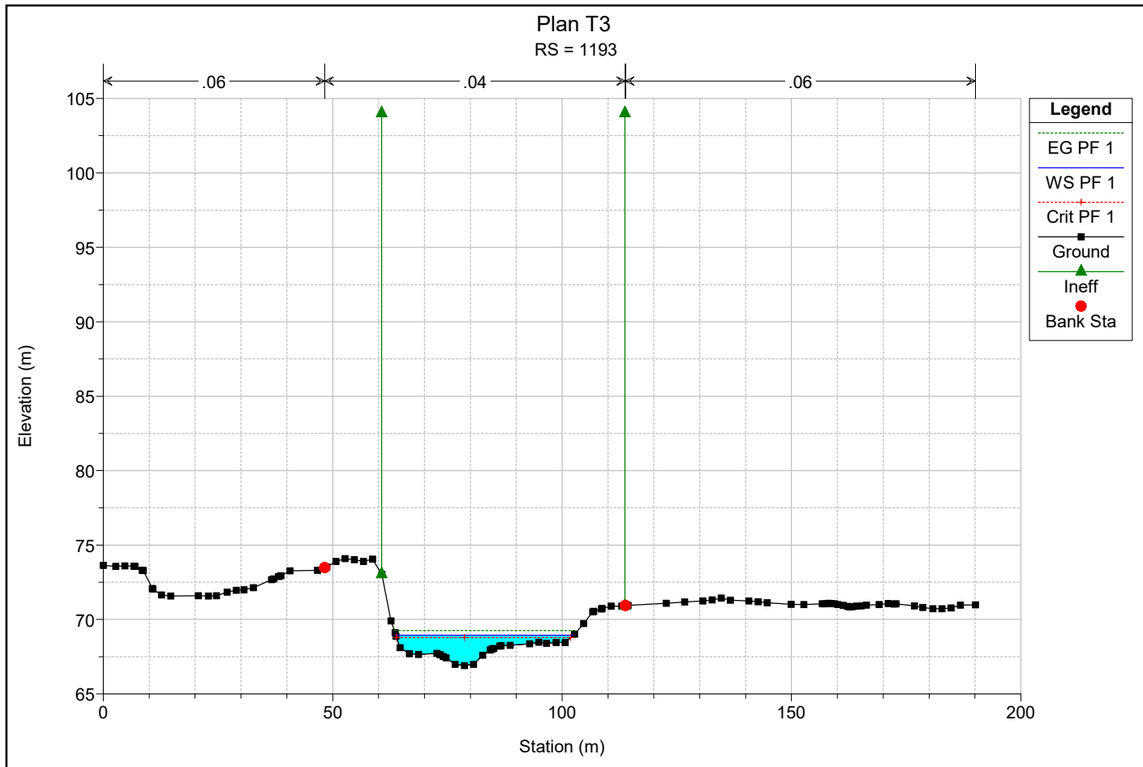

Plan T3
RS = 1372
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250

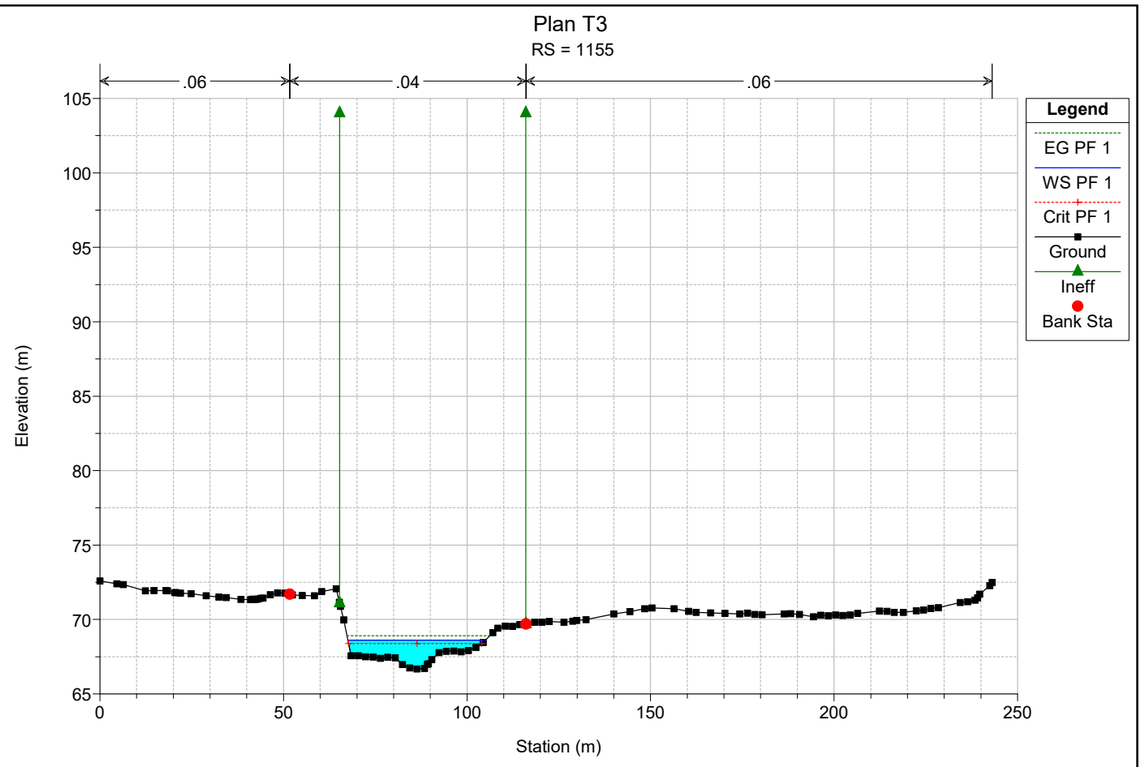

Plan T3
RS = 1325
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

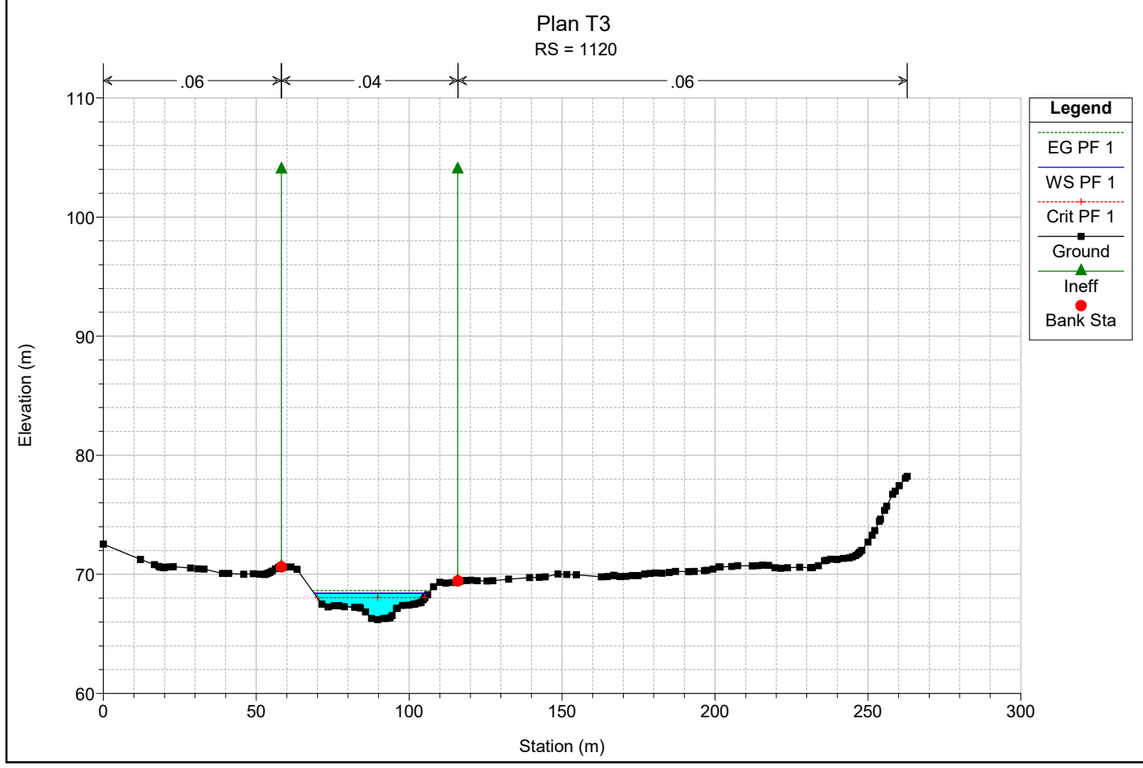

Plan T3
RS = 1280
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

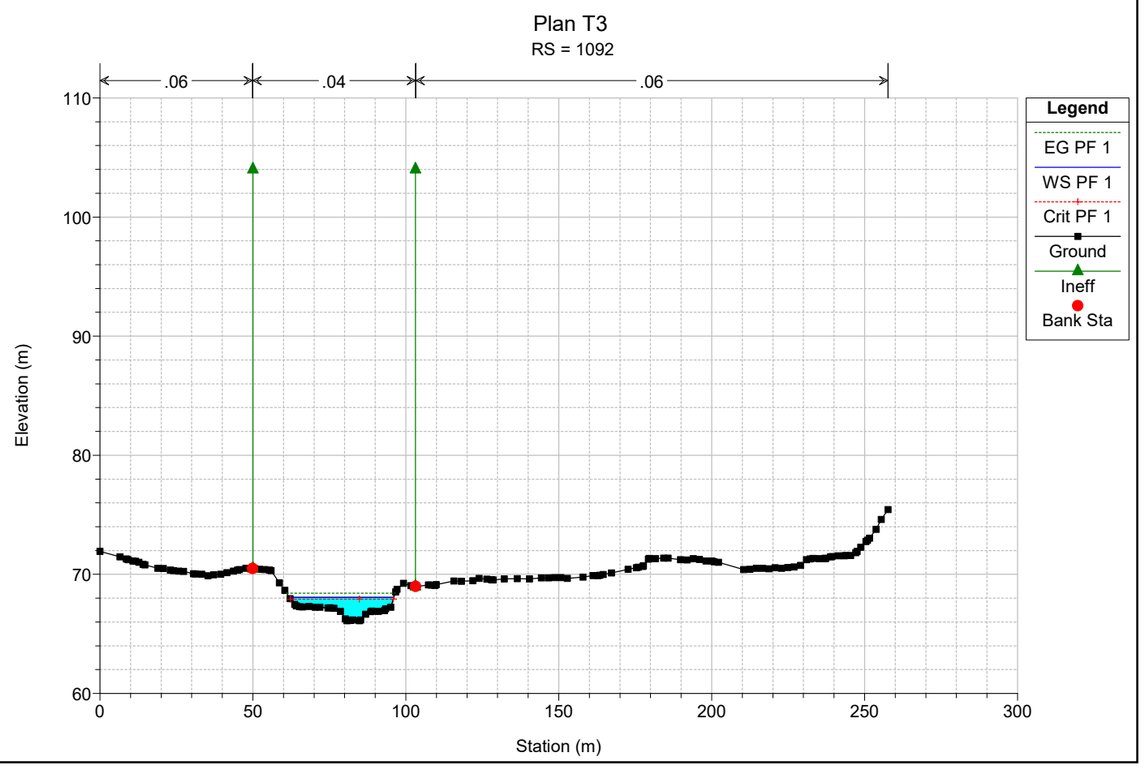

Plan T3
RS = 1250
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

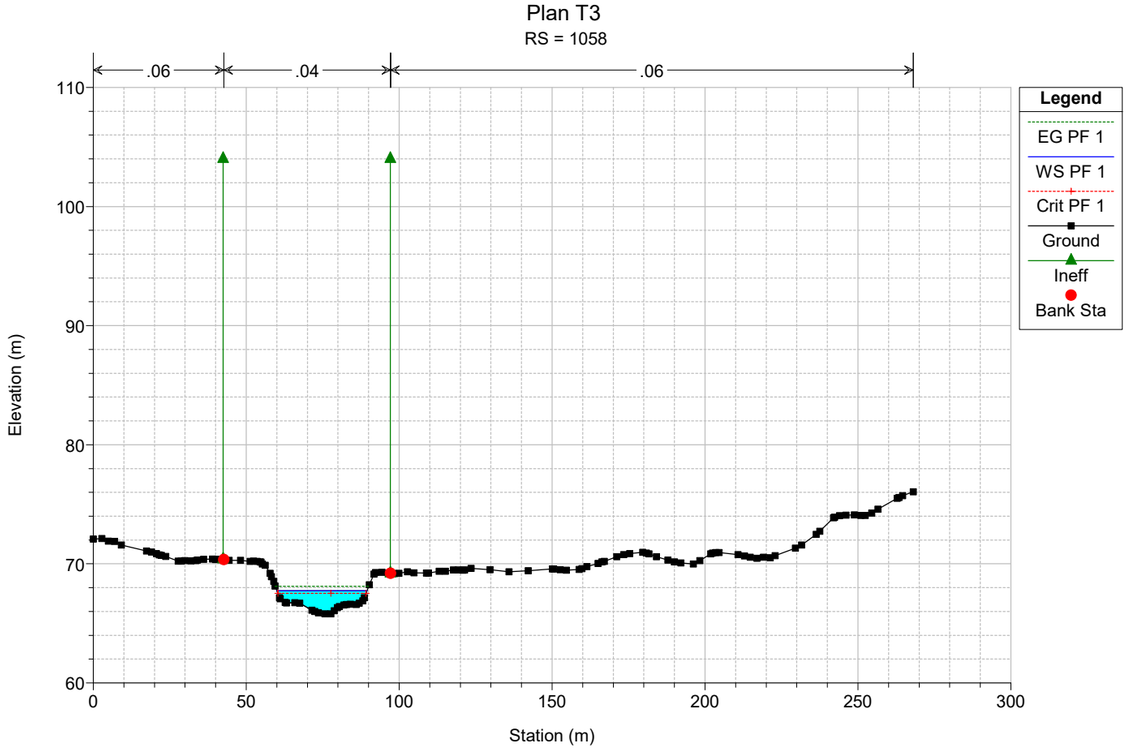

Plan T3
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

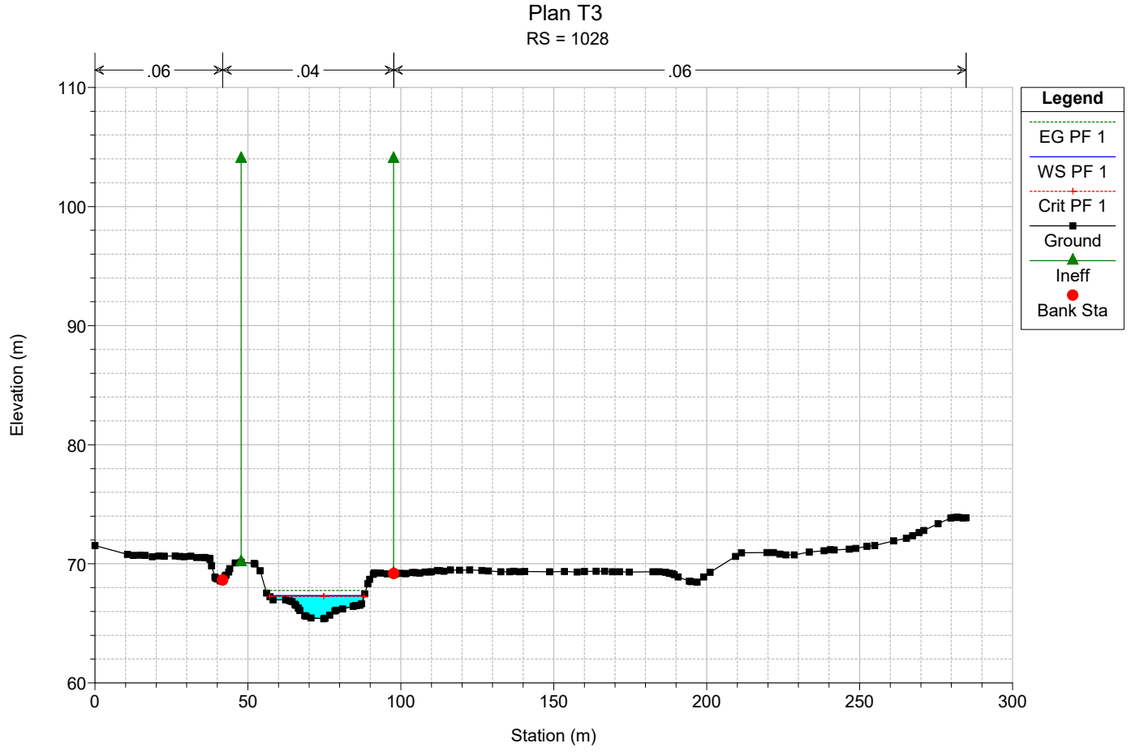

Plan T3
RS = 1193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

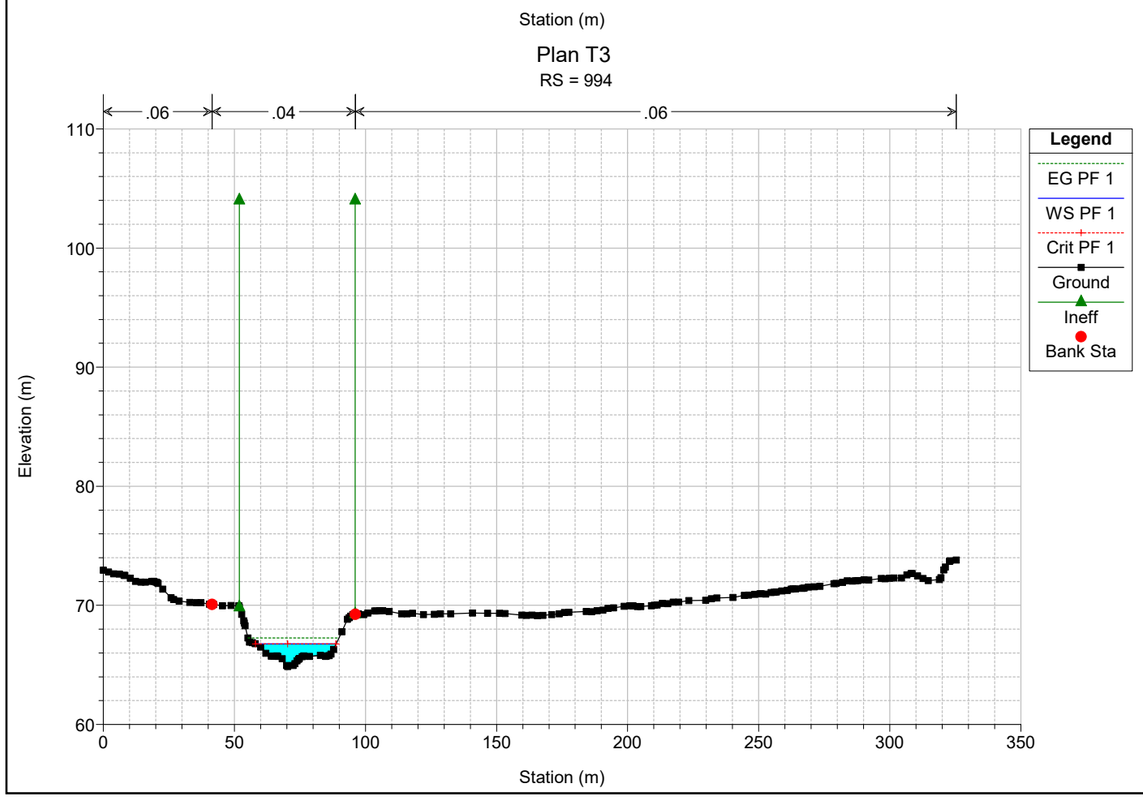

Plan T3
RS = 1155
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

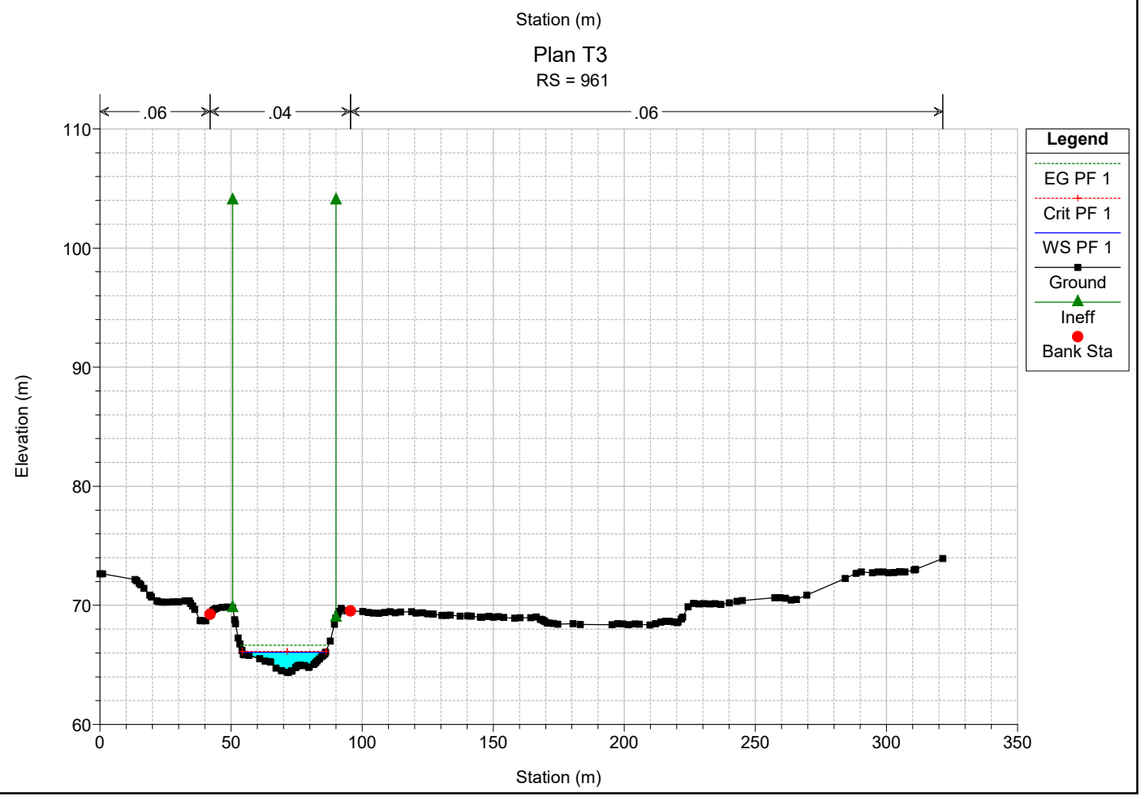

Plan T3
RS = 1120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

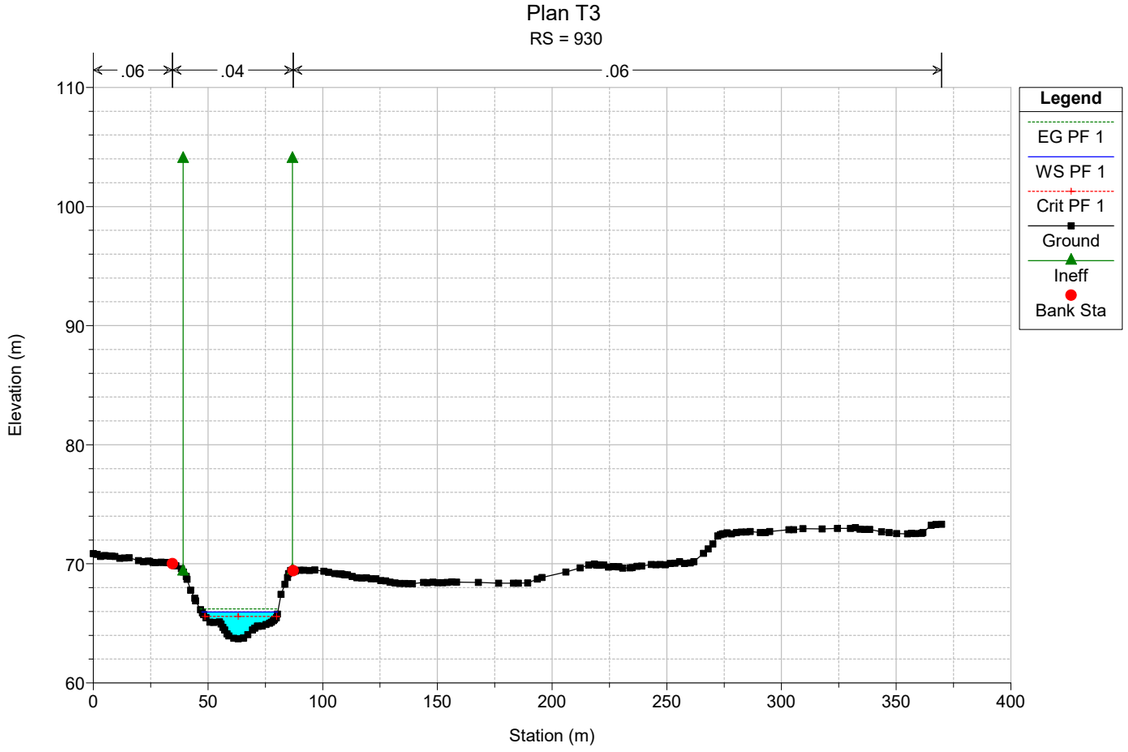

Plan T3
RS = 1092
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

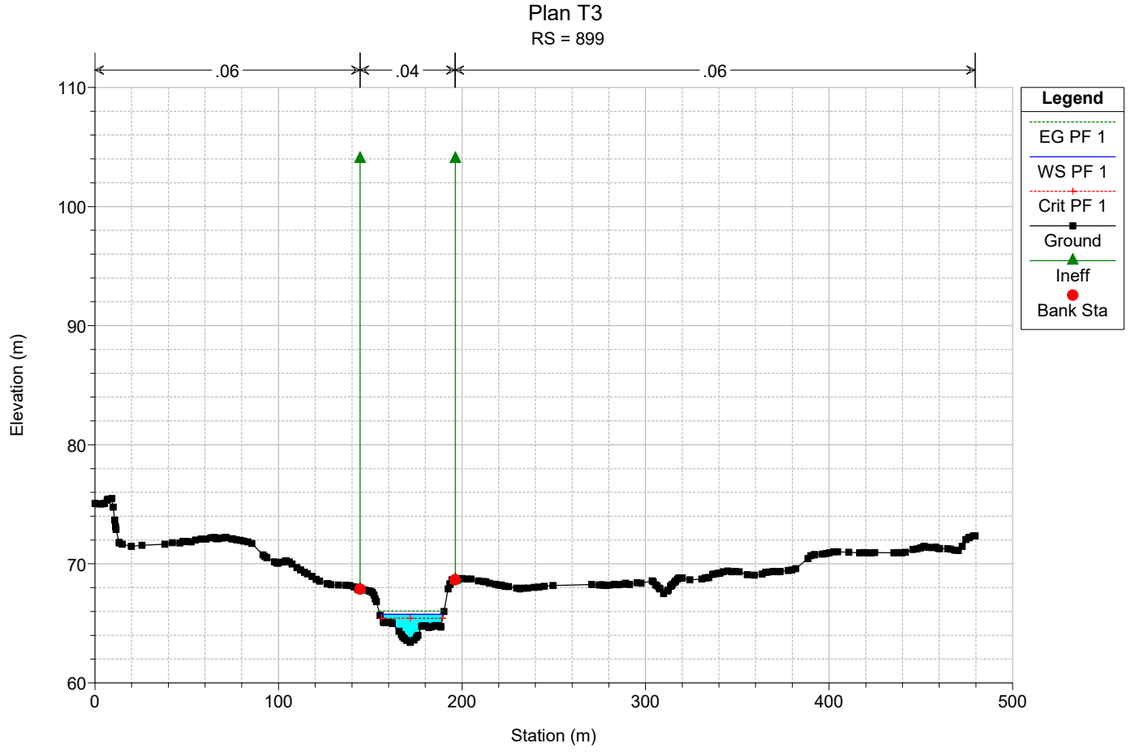

Plan T3
RS = 1058
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

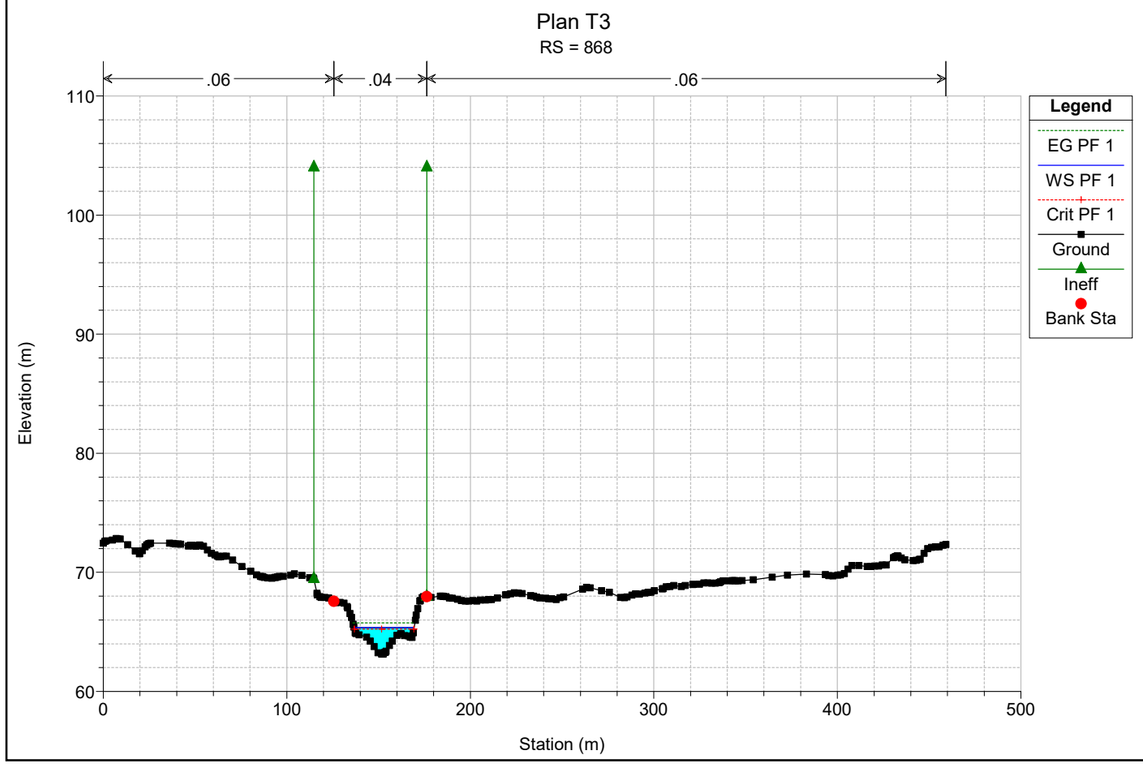

Plan T3
RS = 1028
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

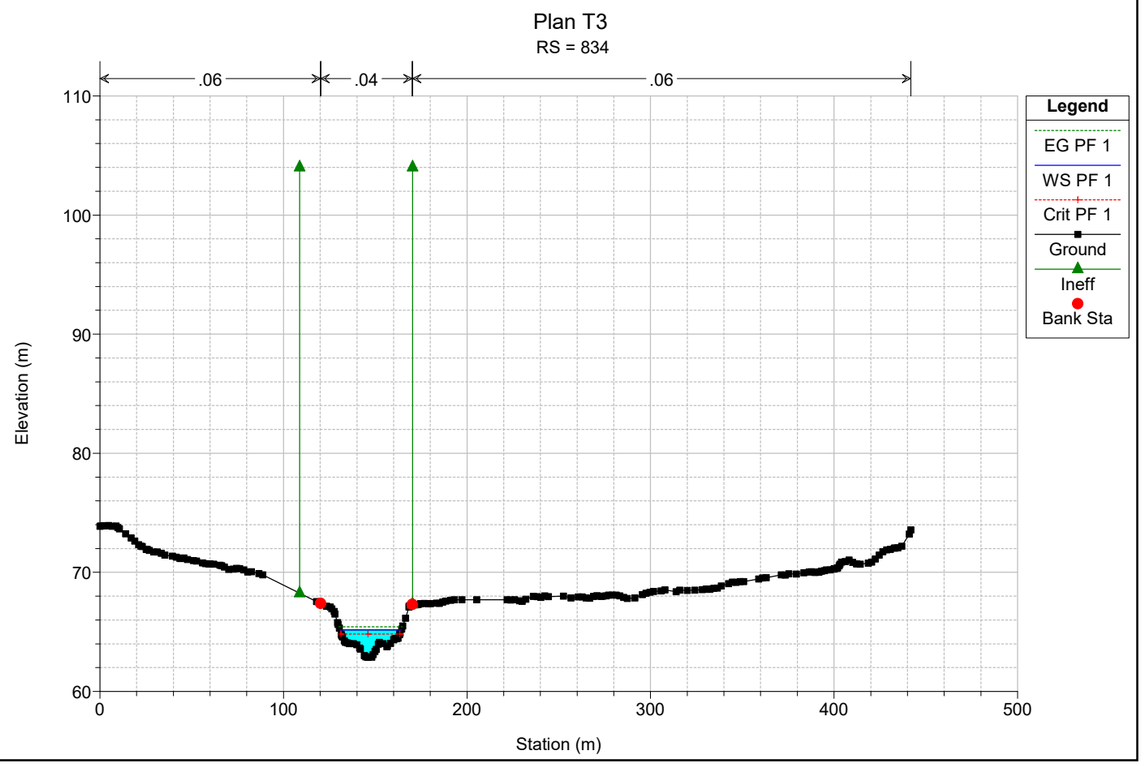

Plan T3
RS = 994
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

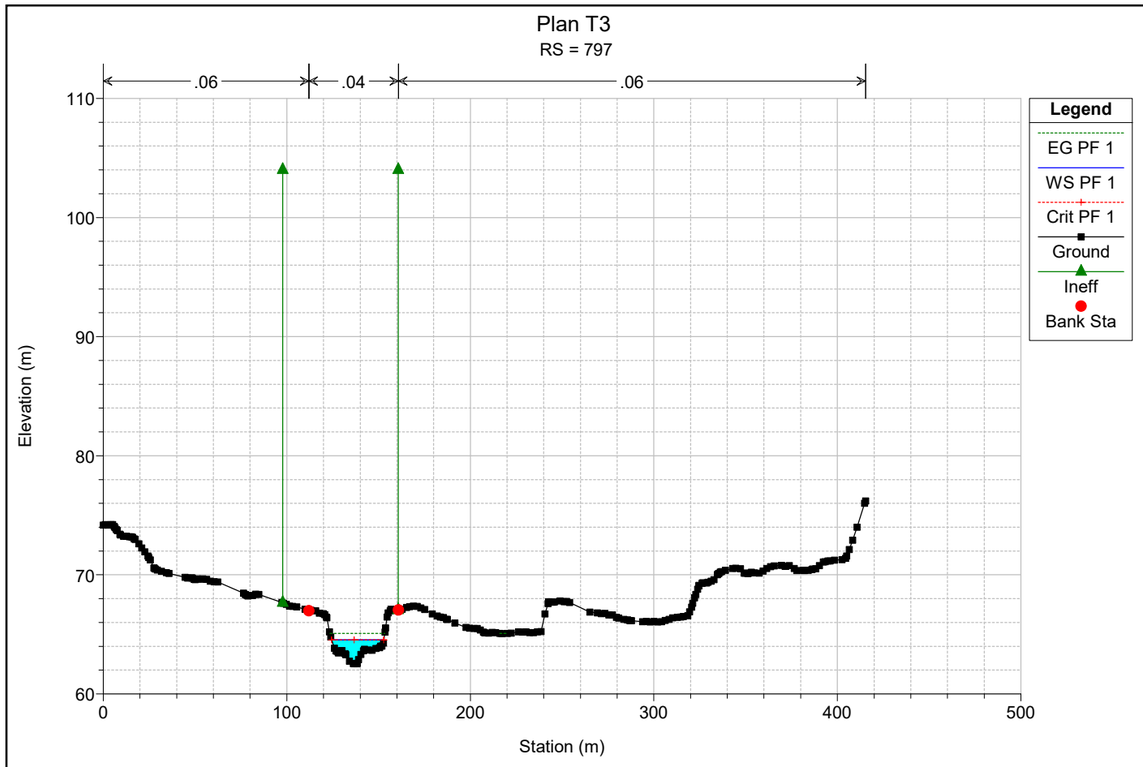

Plan T3
RS = 961
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

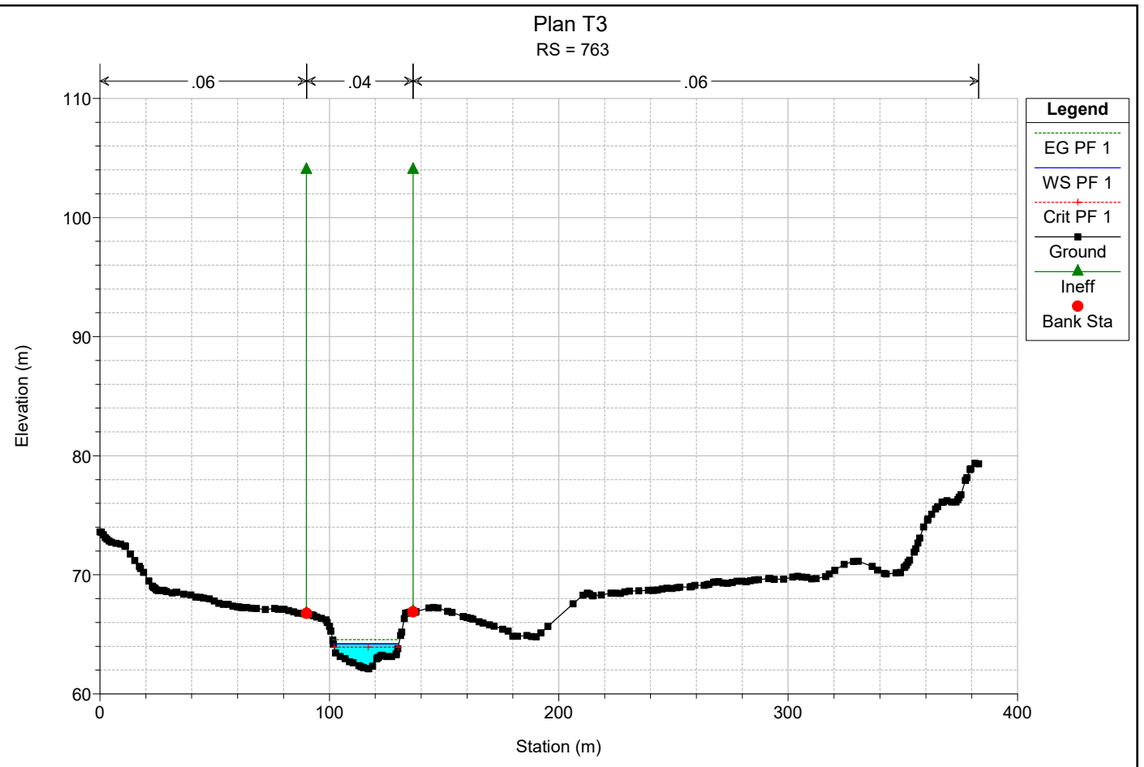

Plan T3
RS = 930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350
400

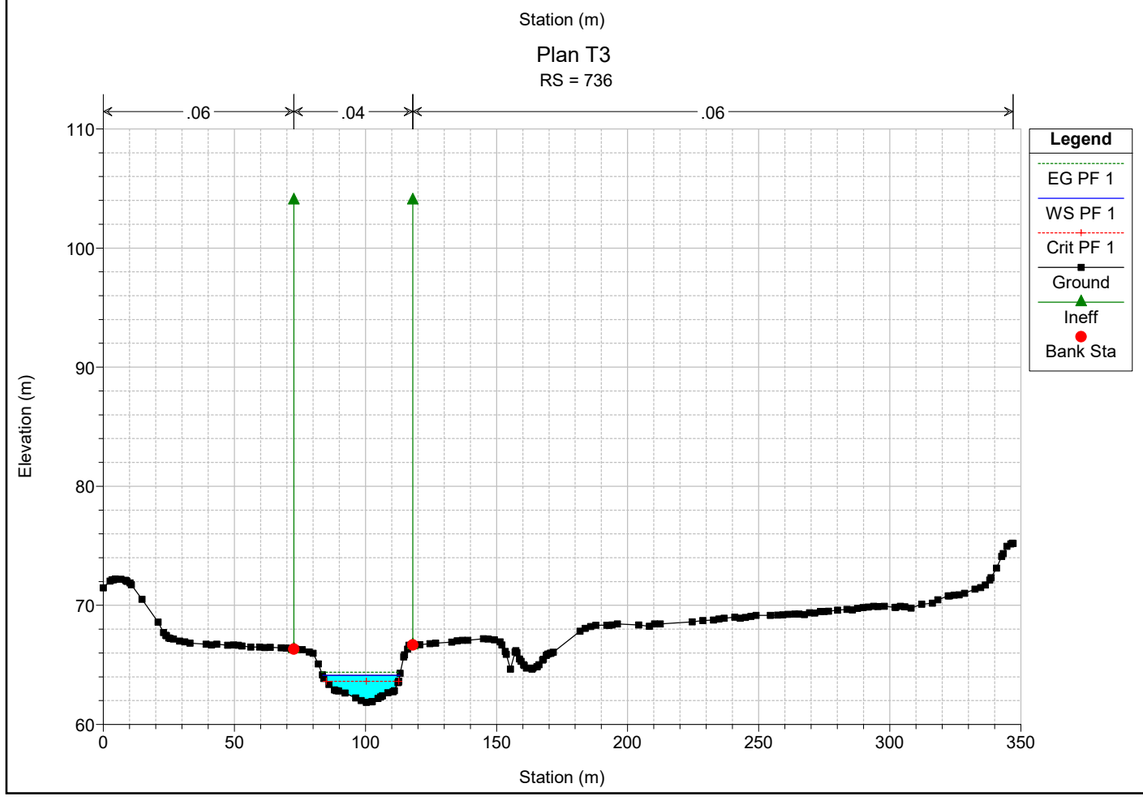

Plan T3
RS = 899
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500

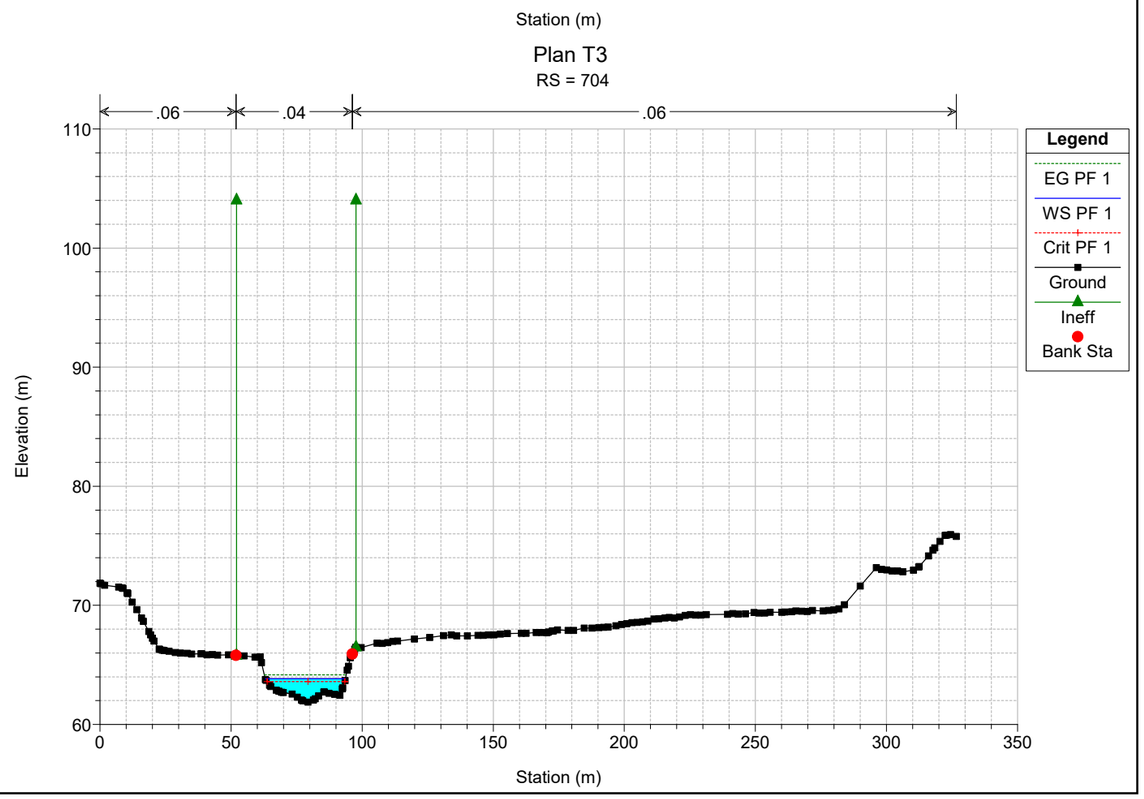

Plan T3
RS = 868
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500


Plan T3
RS = 834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500

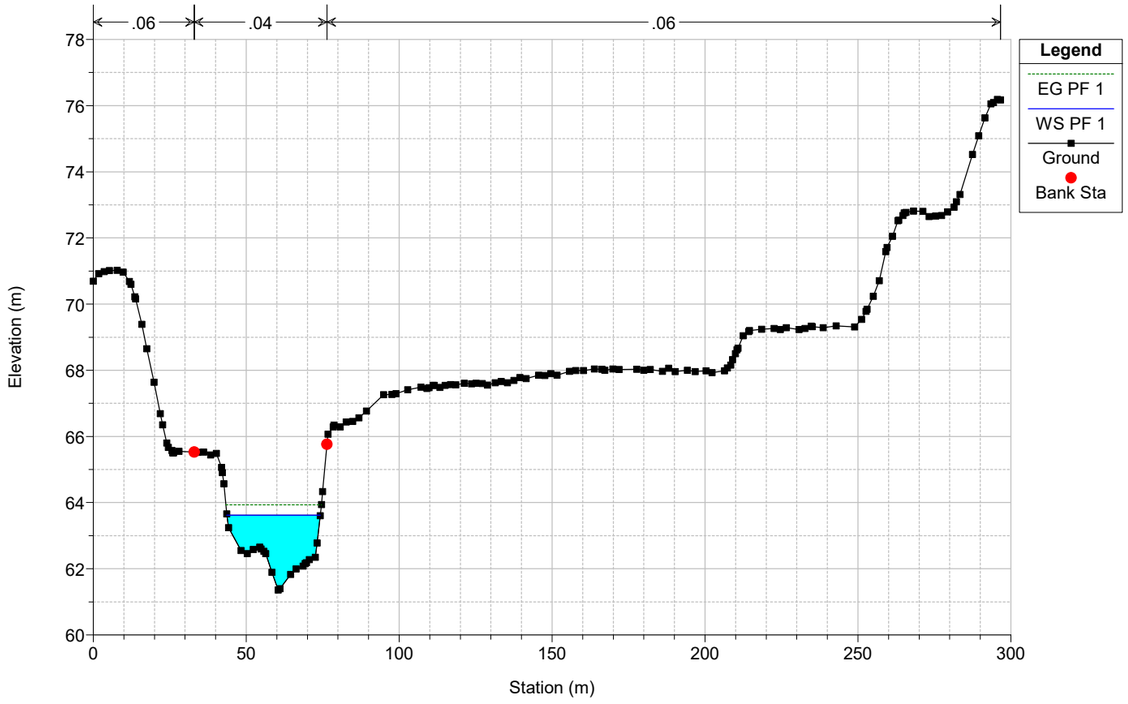

Plan T3
RS = 797
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500


Plan T3
RS = 763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

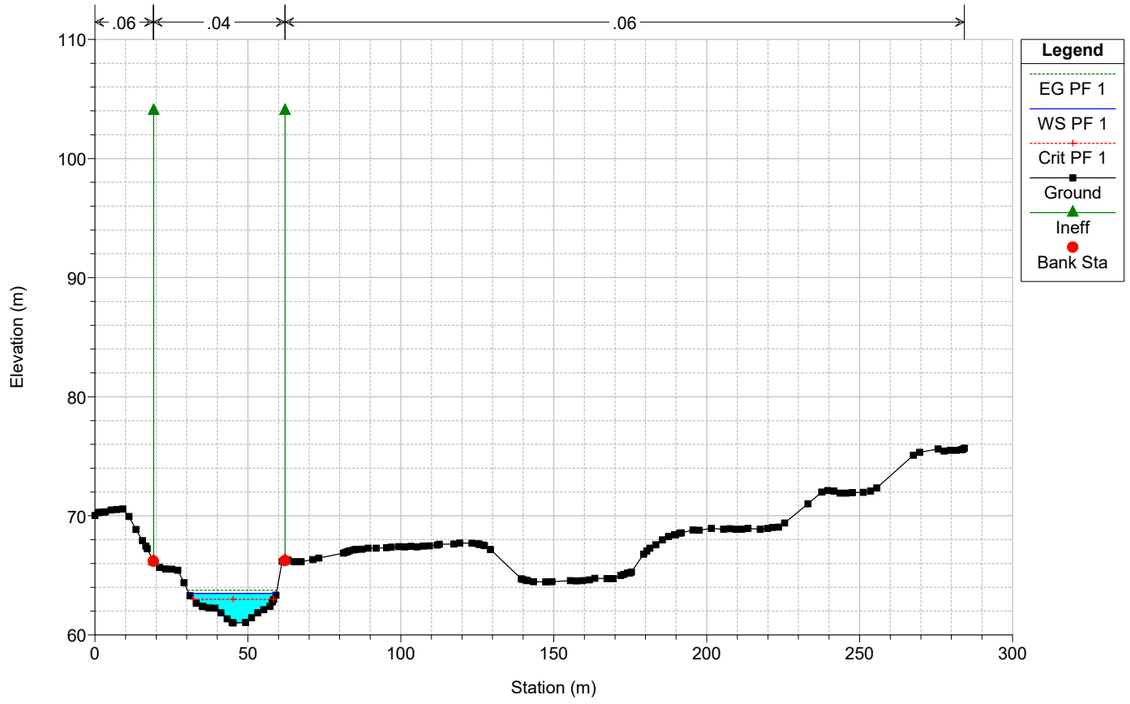

Plan T3
RS = 736
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350


Plan T3
RS = 704
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350

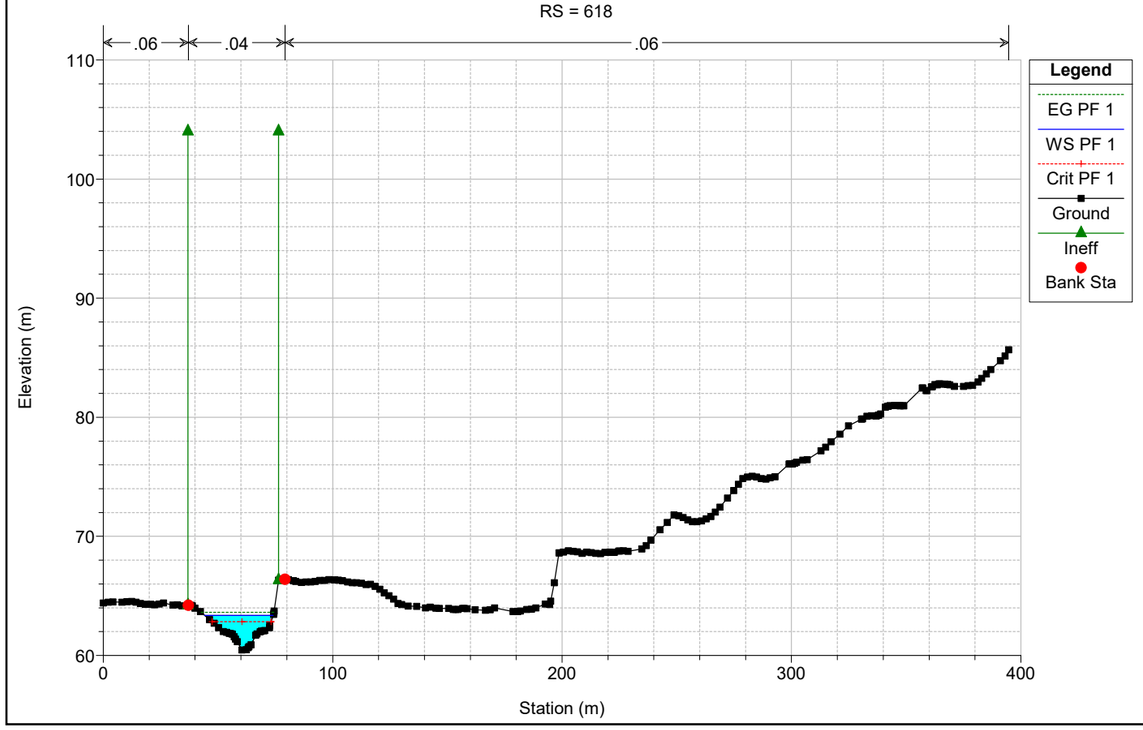
Plan T3
RS = 673



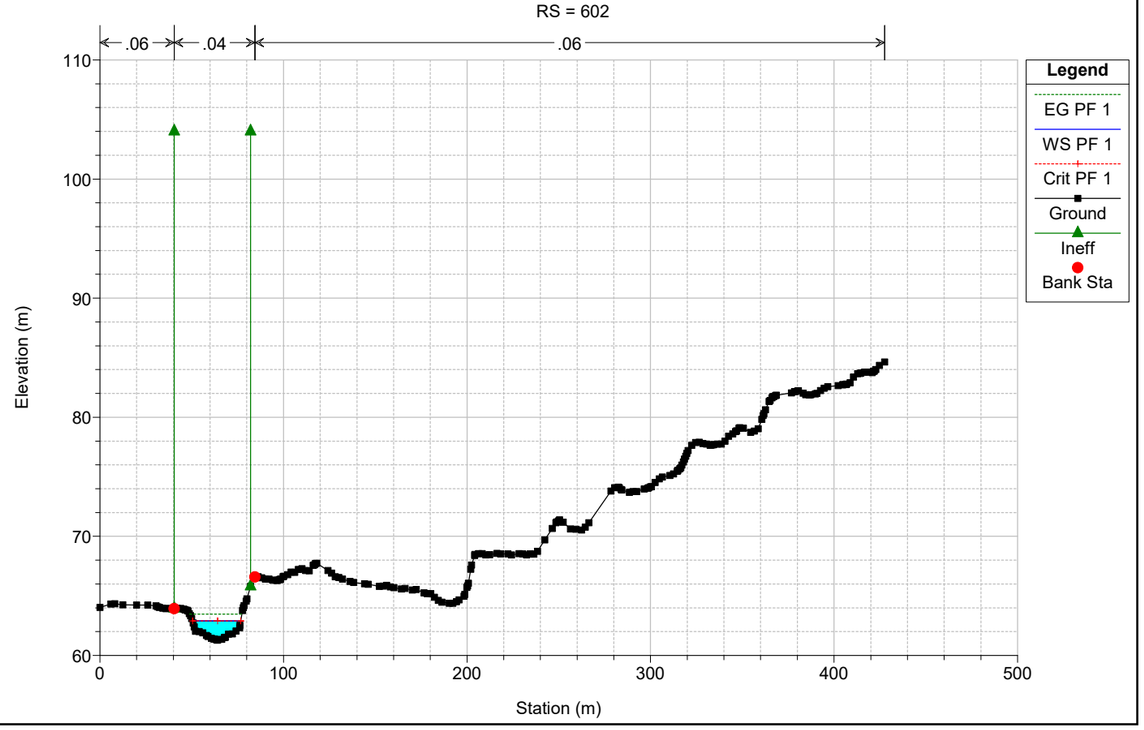
Plan T3
RS = 644

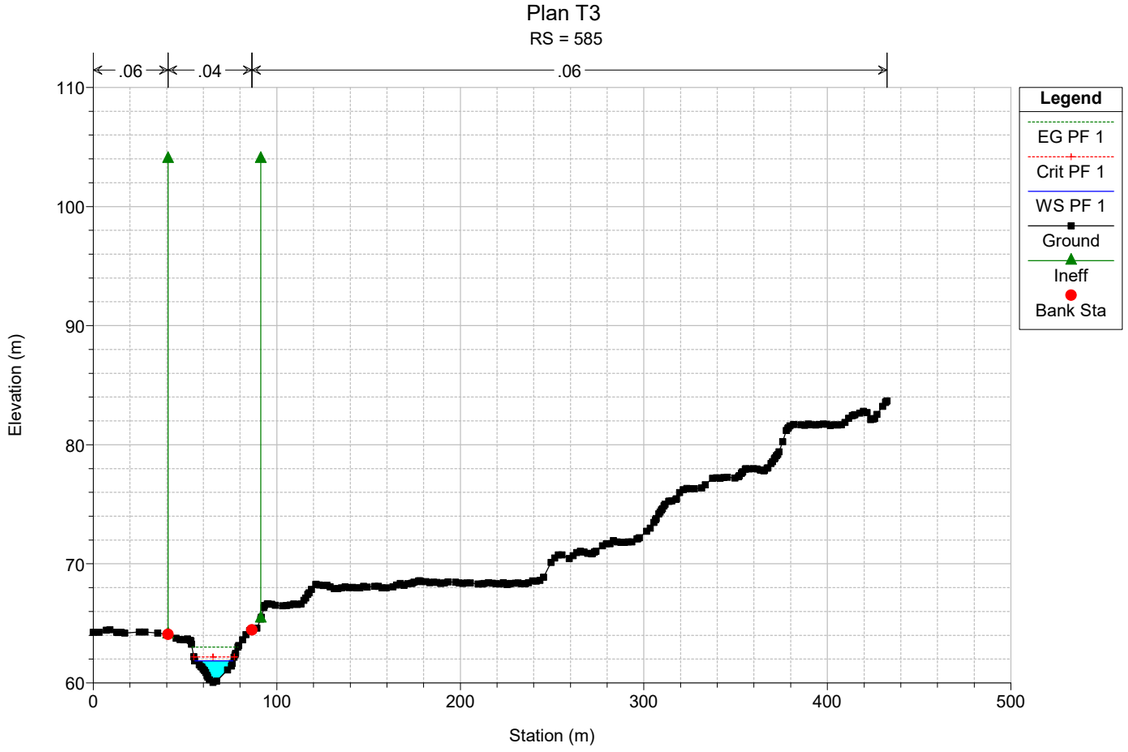


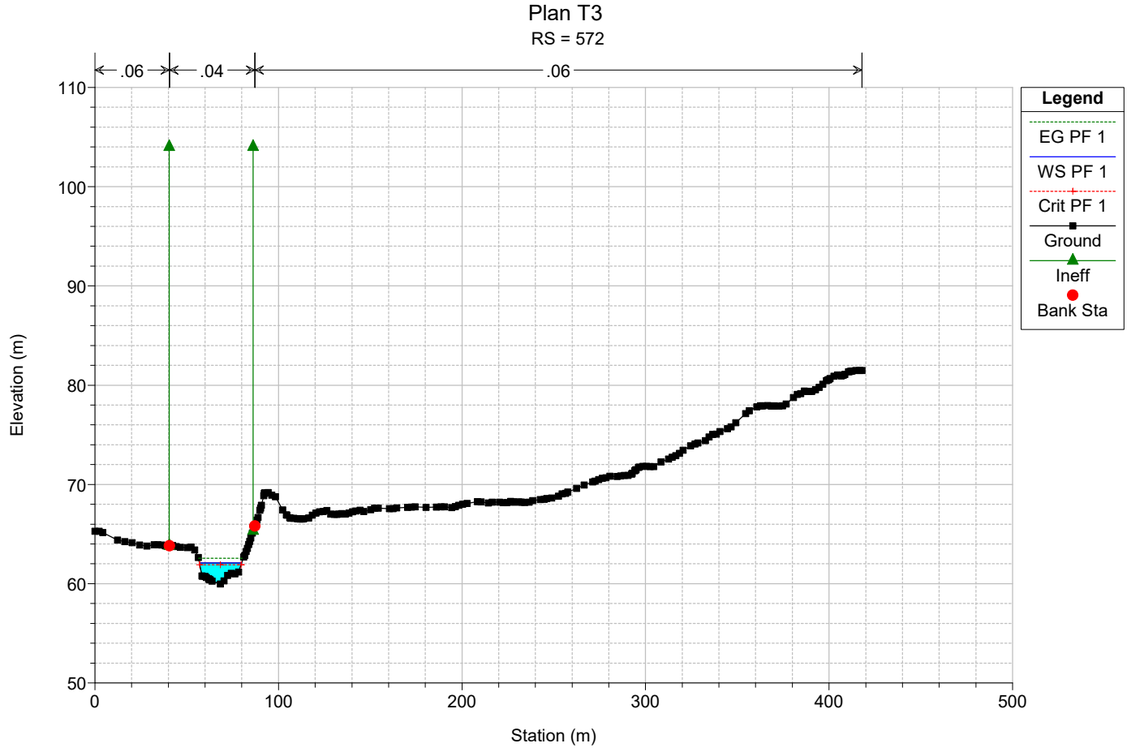
Plan T3
RS = 618

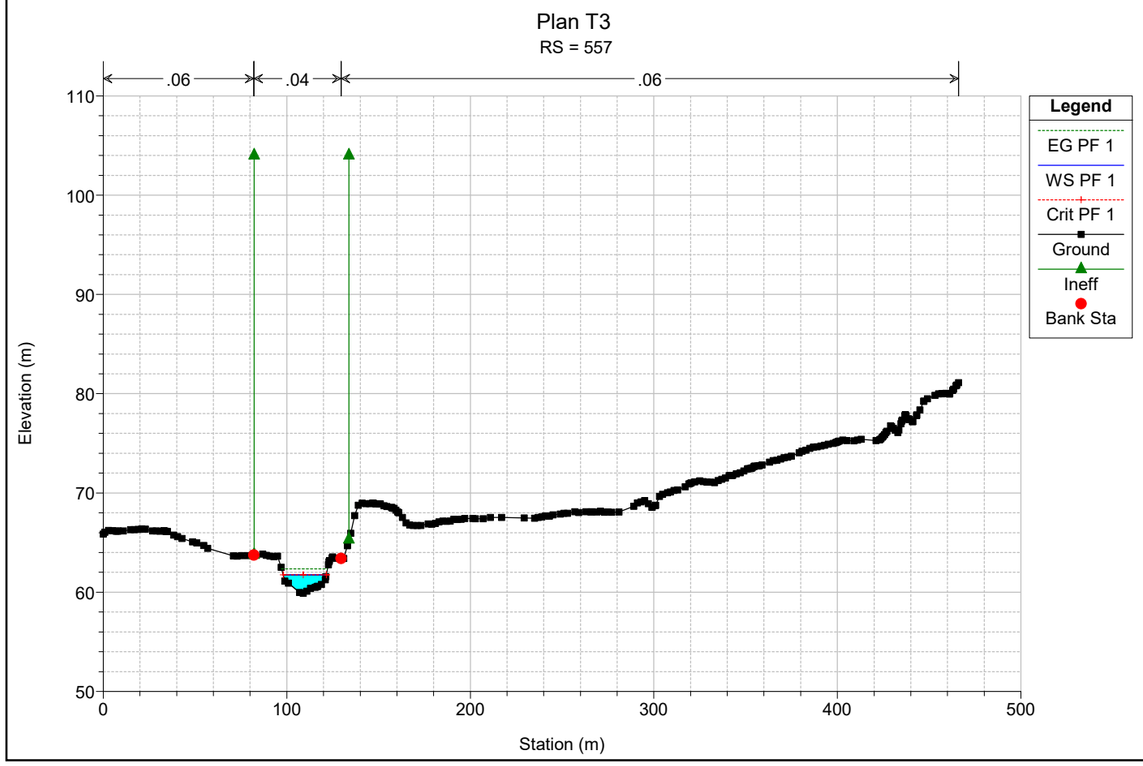


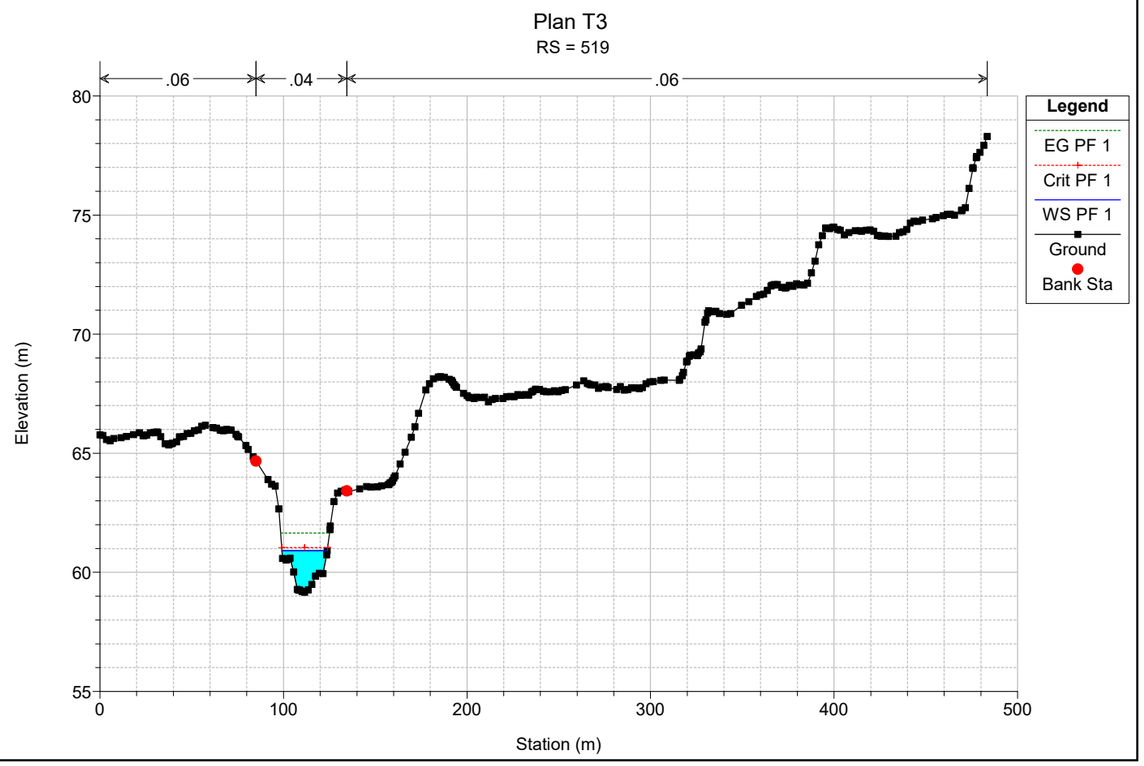
Plan T3
RS = 602

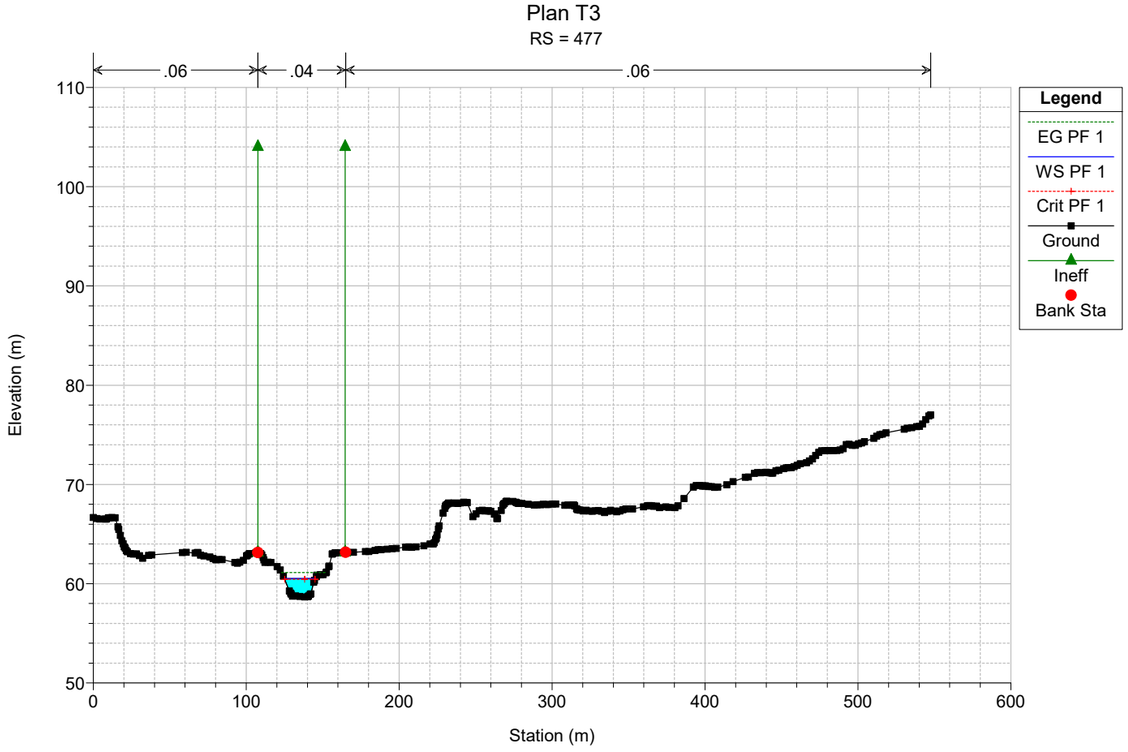


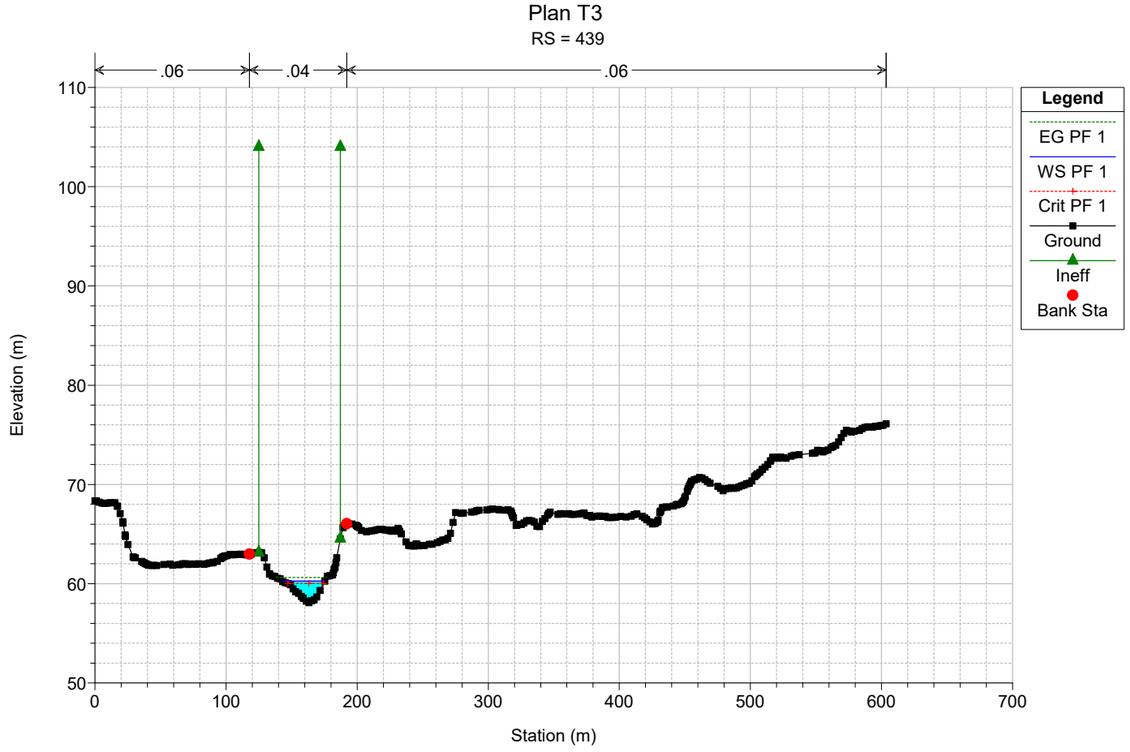

Plan T3
RS = 585
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

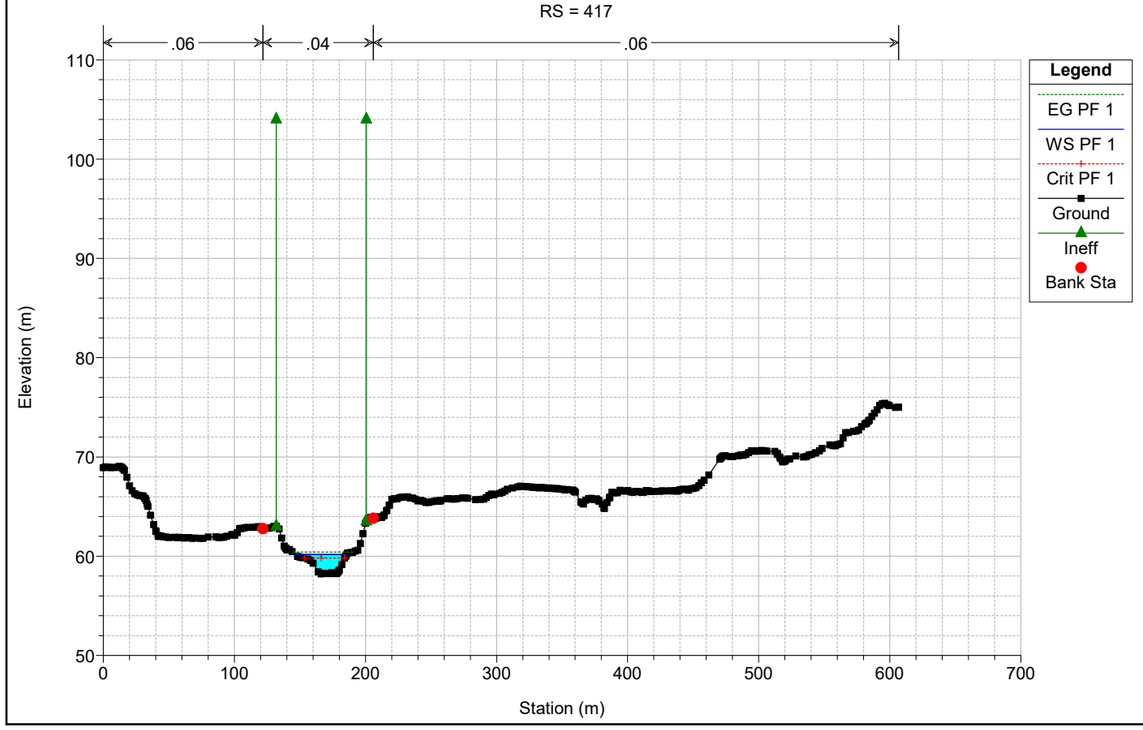

Plan T3
RS = 572
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

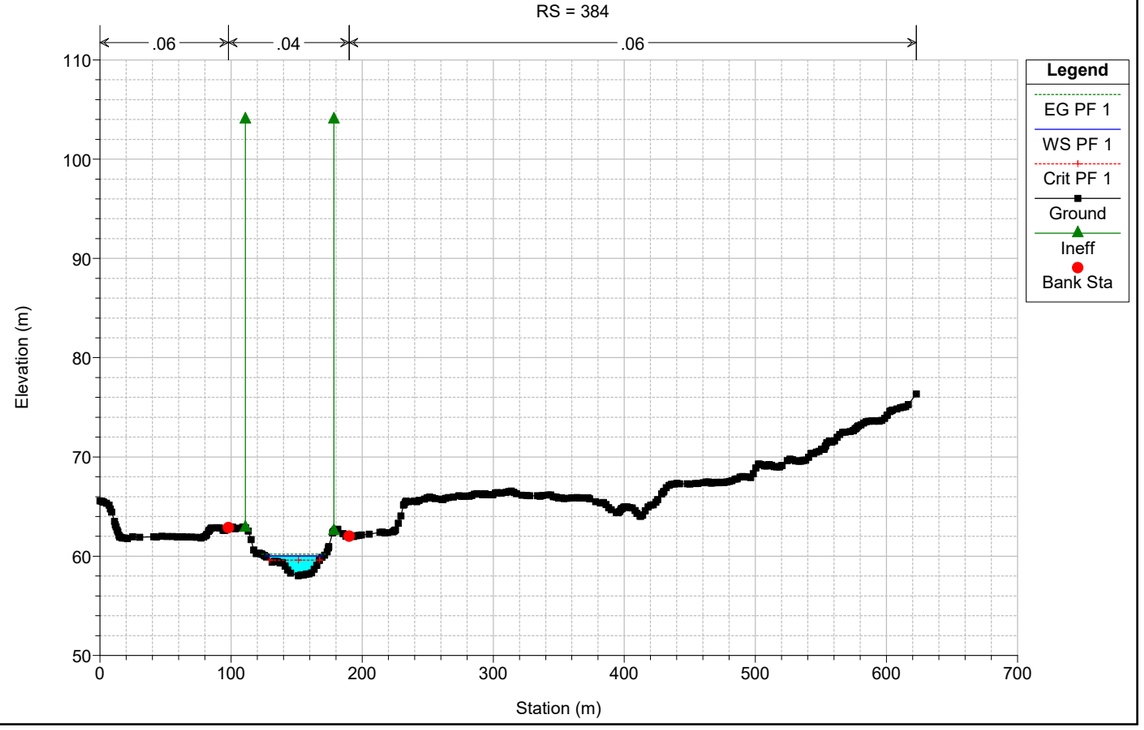

Plan T3
RS = 557
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

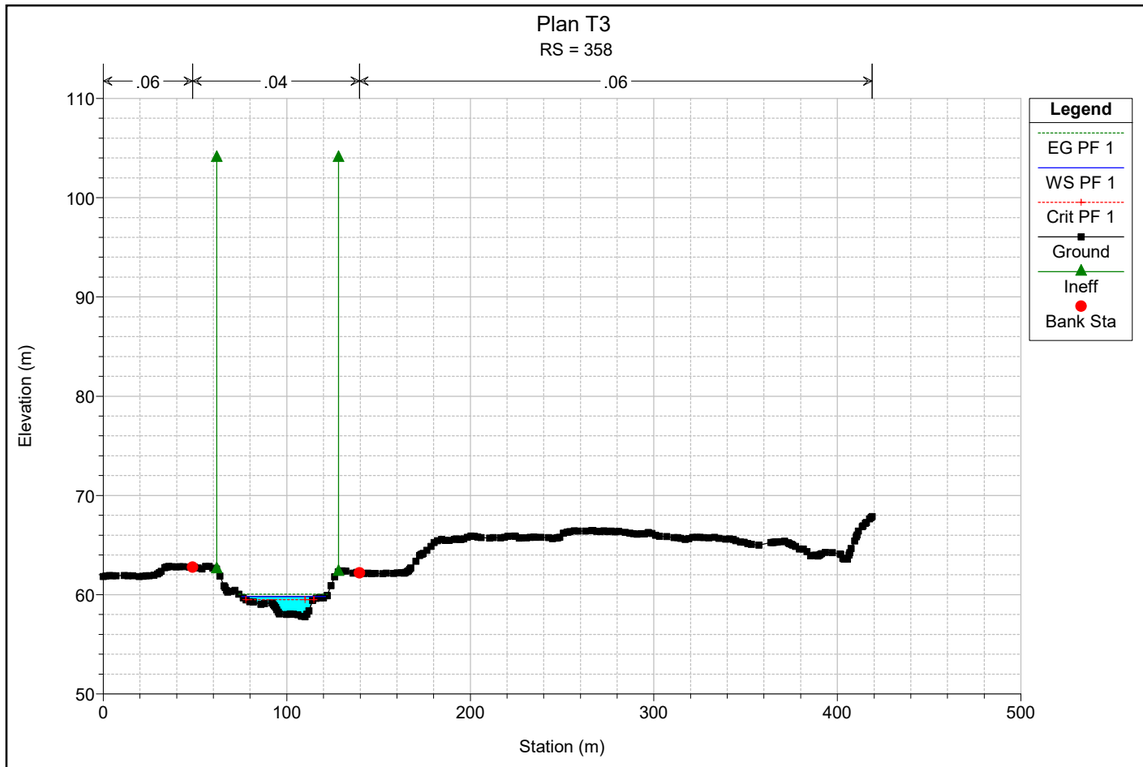

Plan T3
RS = 519
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

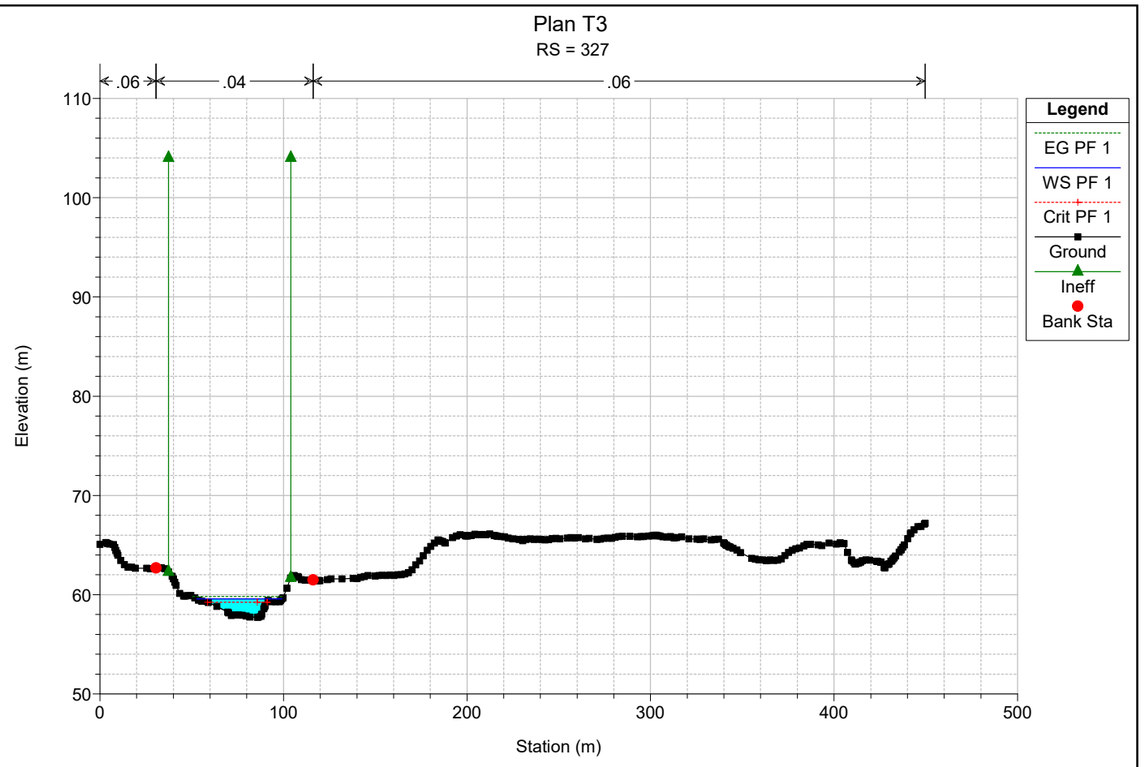

Plan T3
RS = 477
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

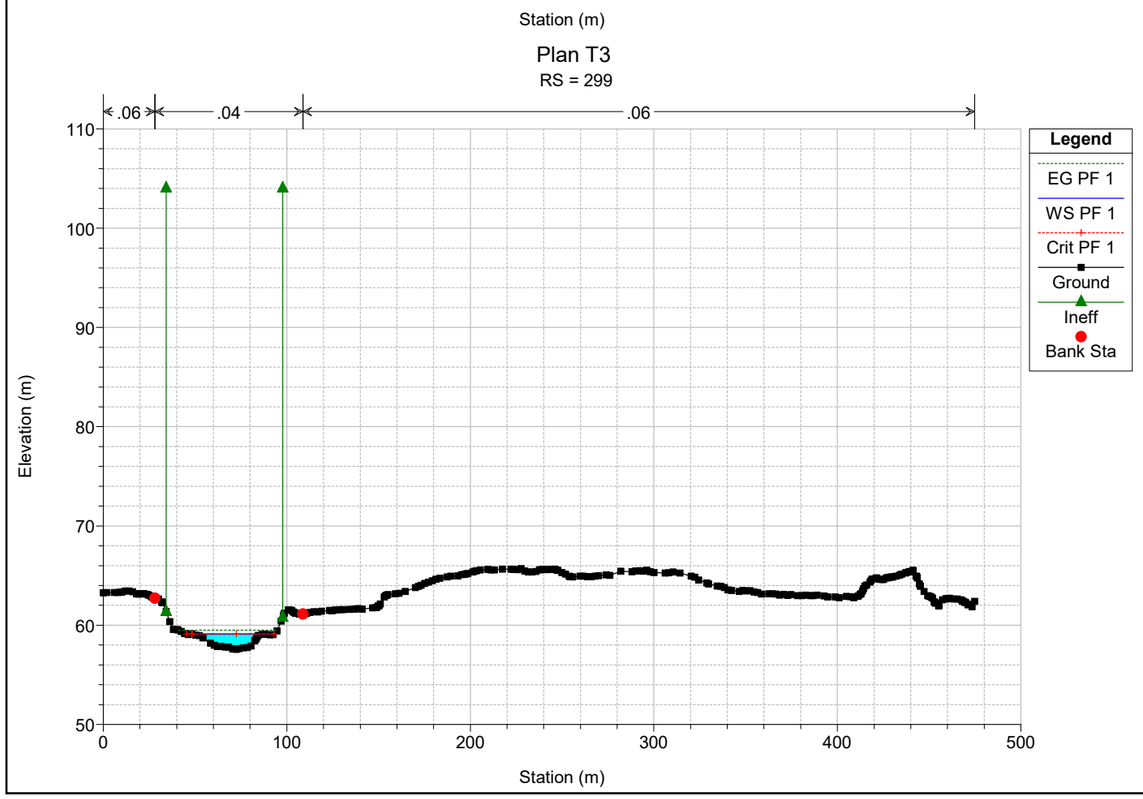

Plan T3
RS = 439
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600
700

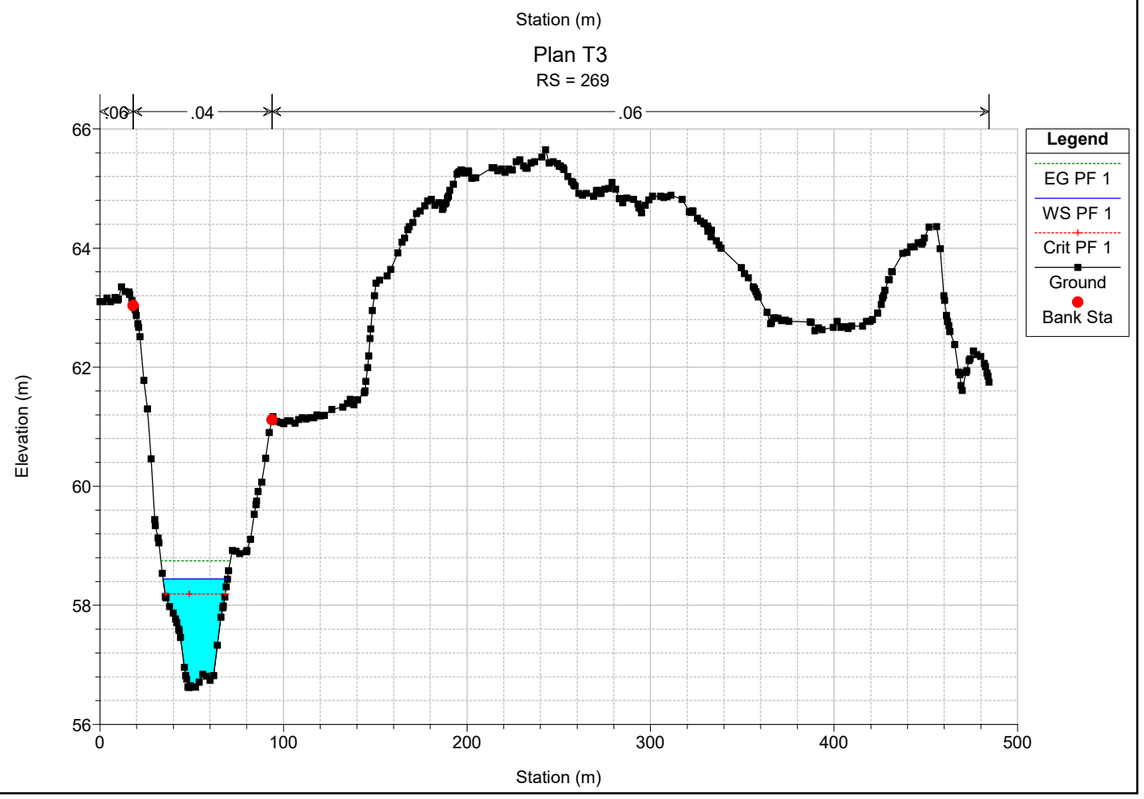

Plan T3
RS = 417
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600
700

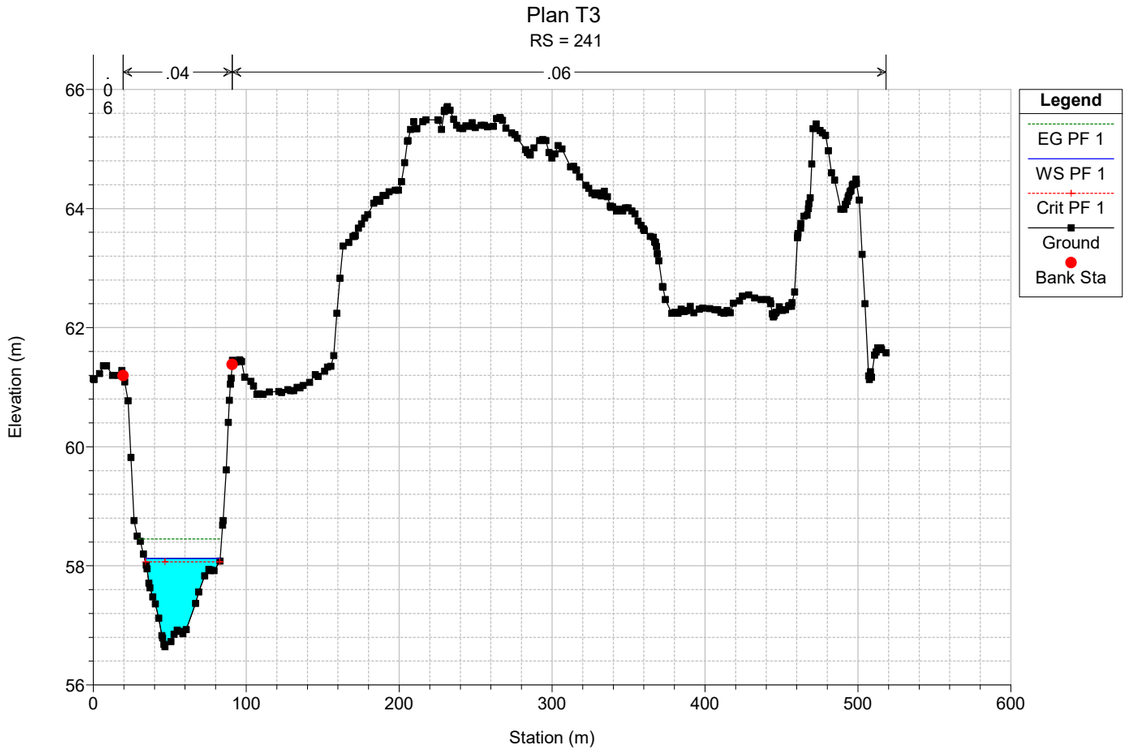

Plan T3
RS = 384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600
700

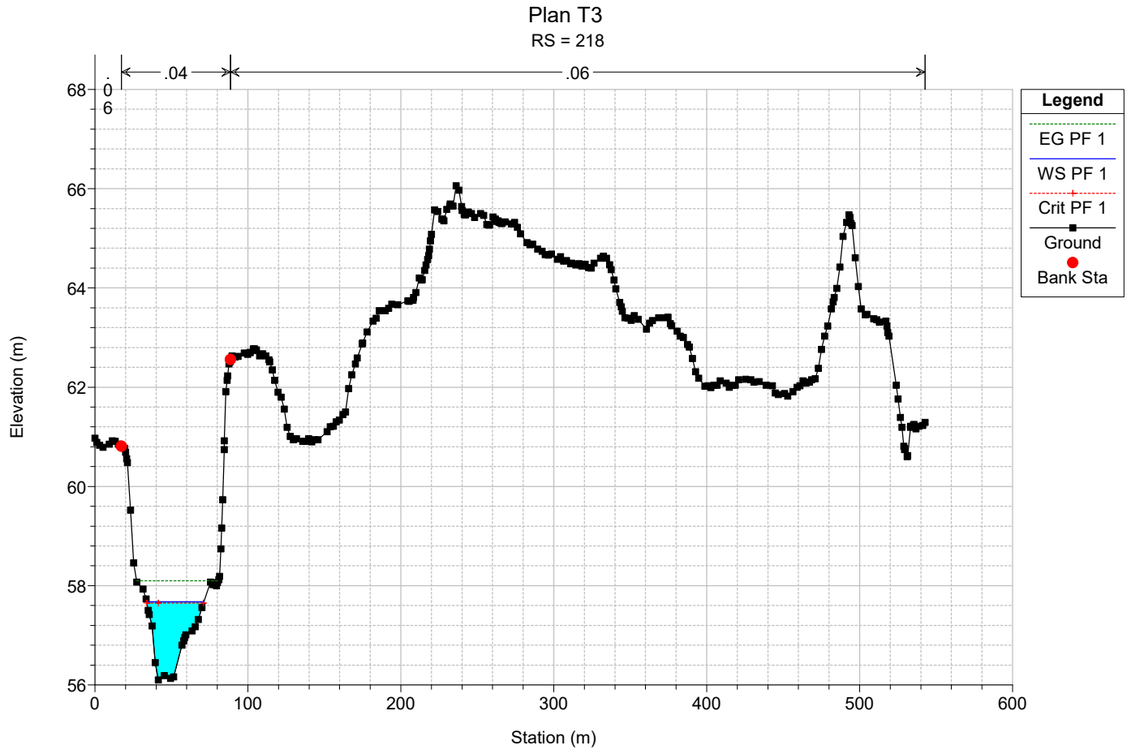

Plan T3
RS = 358
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

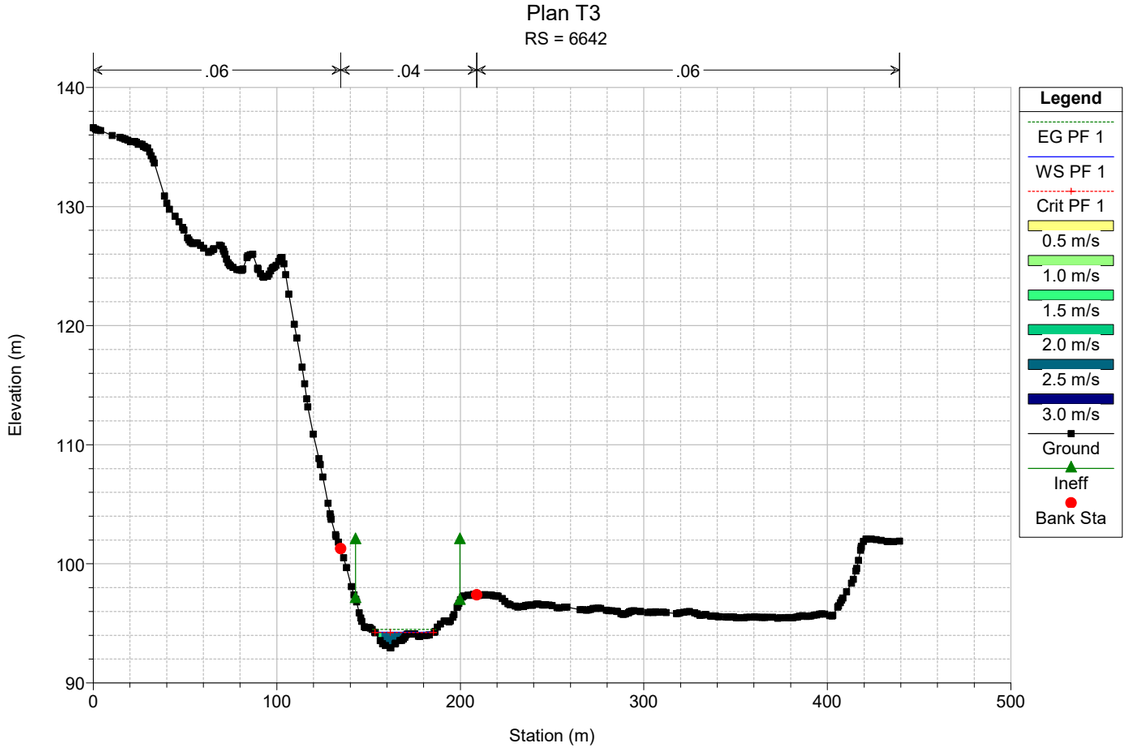

Plan T3
RS = 327
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

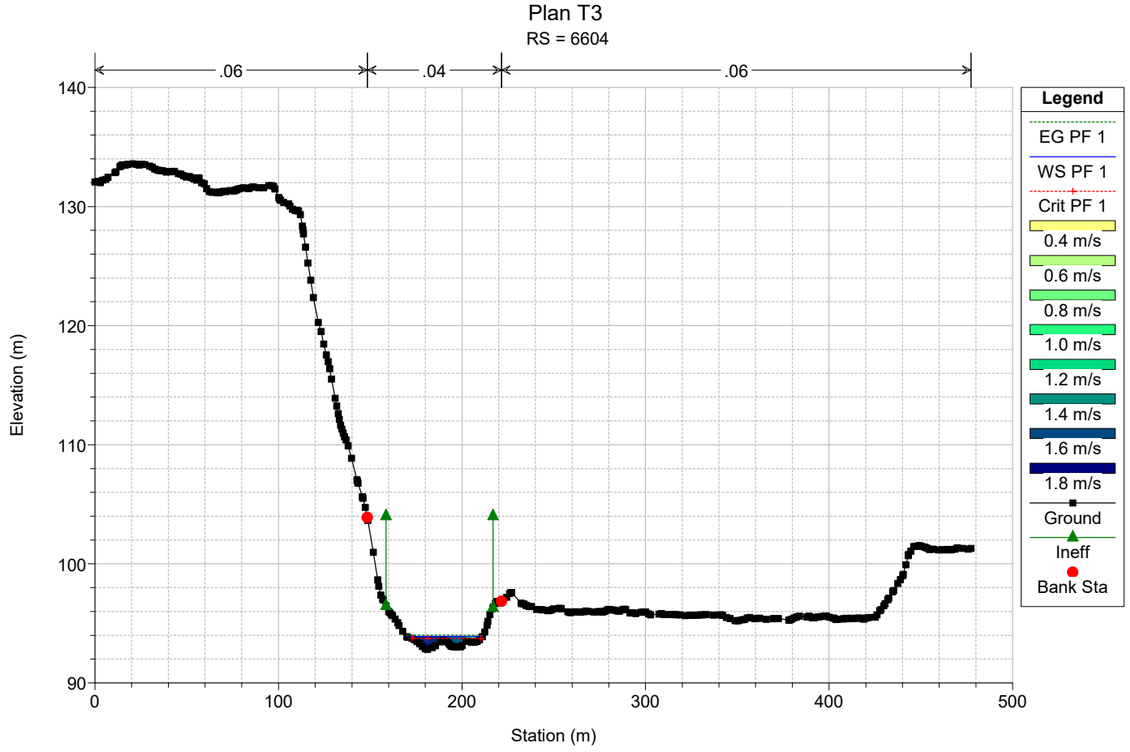

Plan T3
RS = 299
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

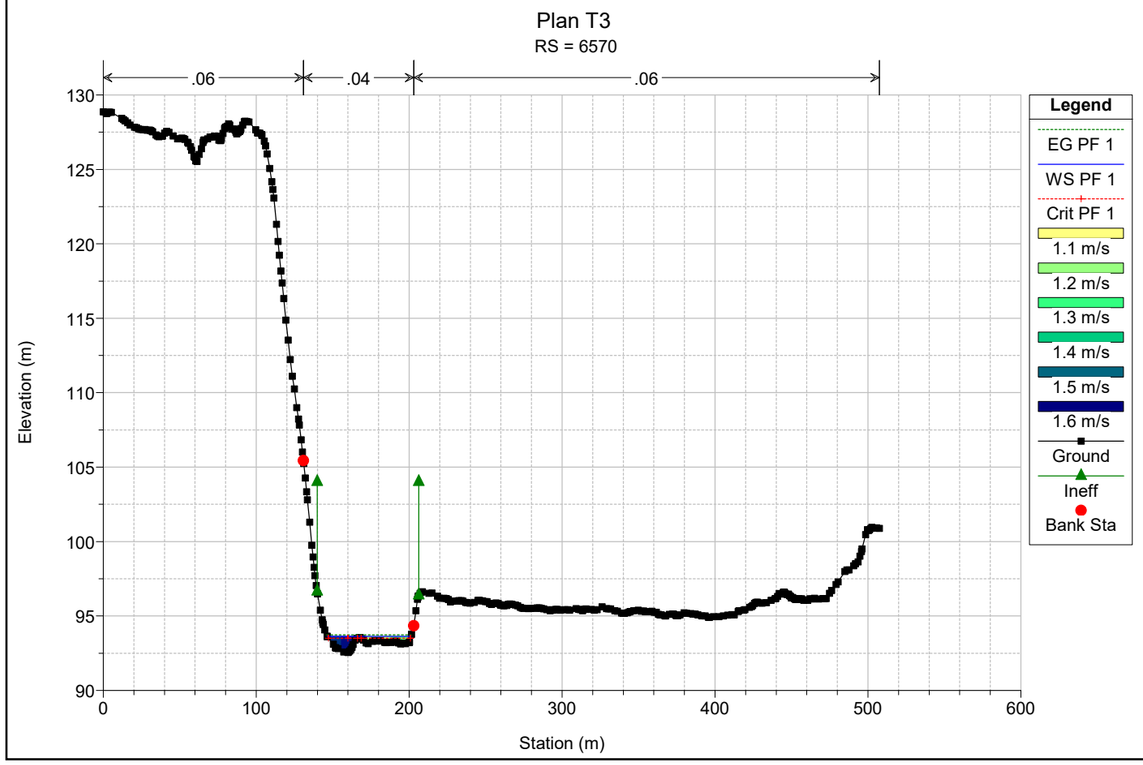

Plan T3
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500

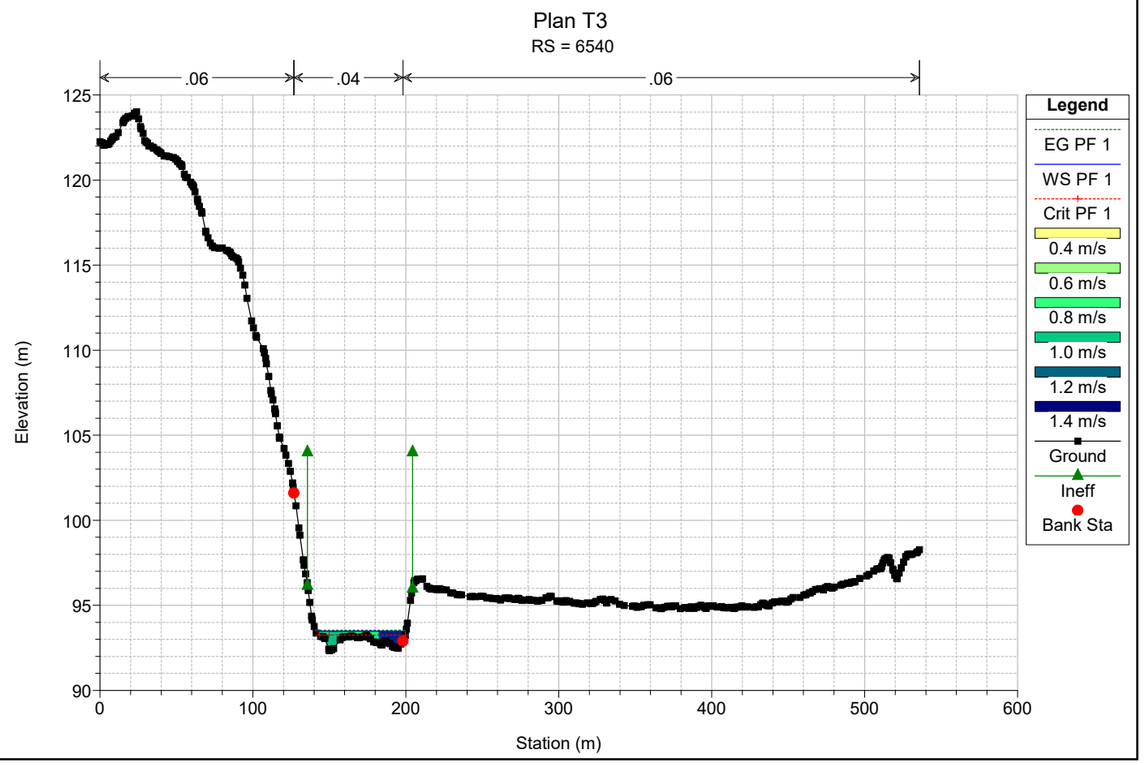

Plan T3
RS = 241
.04
.06
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500
600

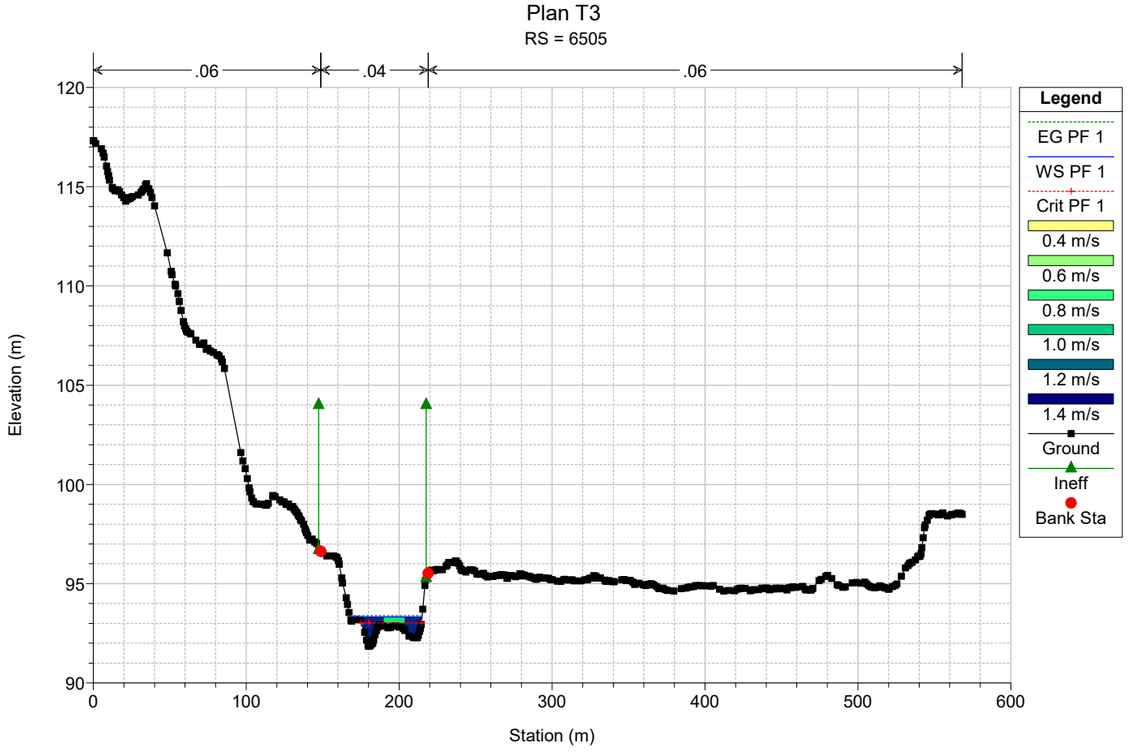

Plan T3
RS = 218
.04
.06
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
68
66
64
62
60
58
56
0
100
200
300
400
500
600

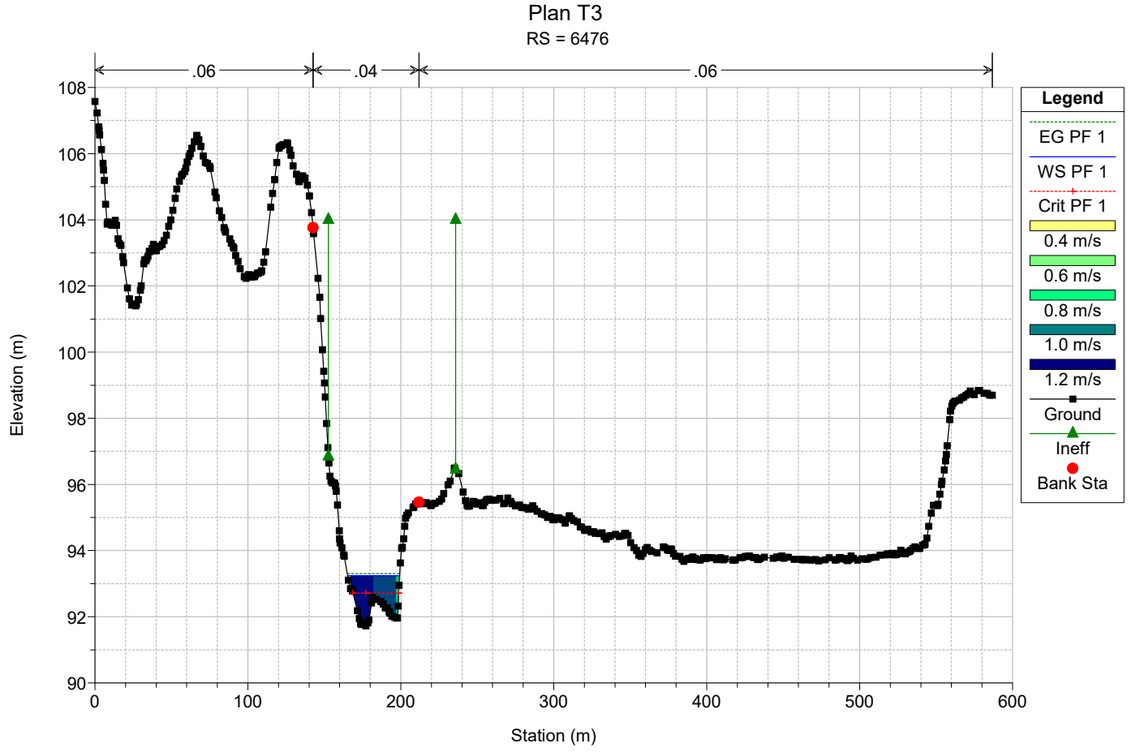

Plan T3
RS = 6642
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

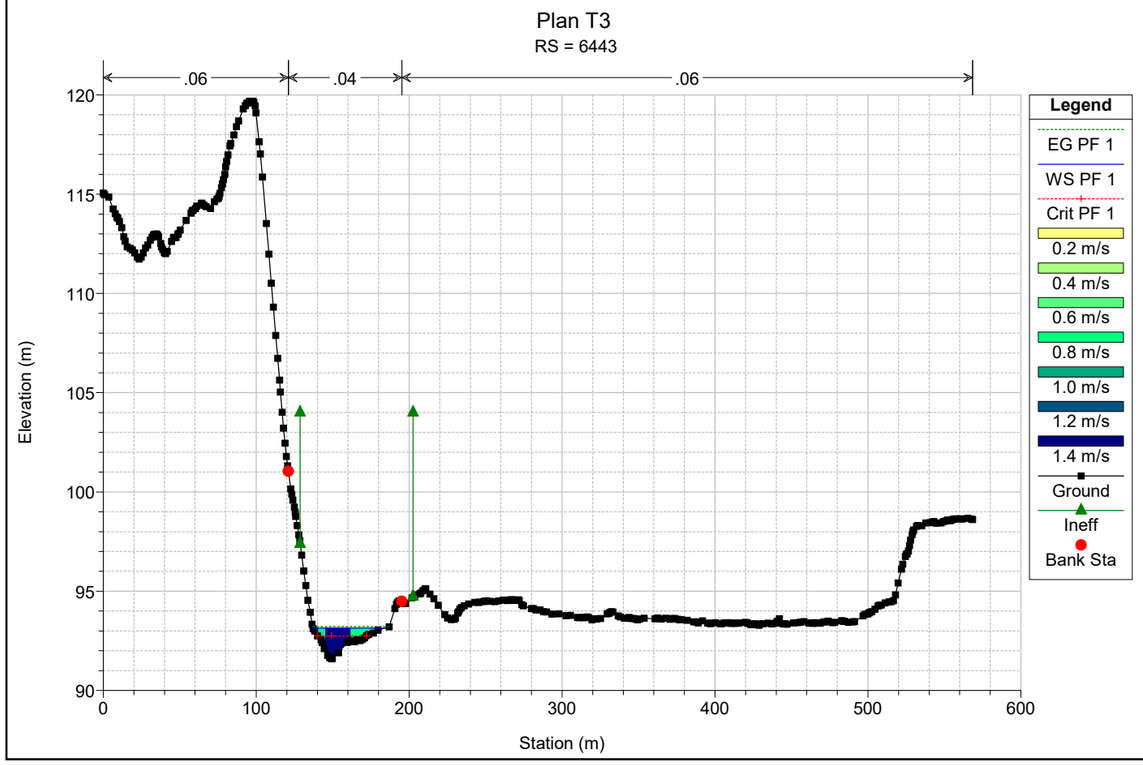

Plan T3
RS = 6604
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

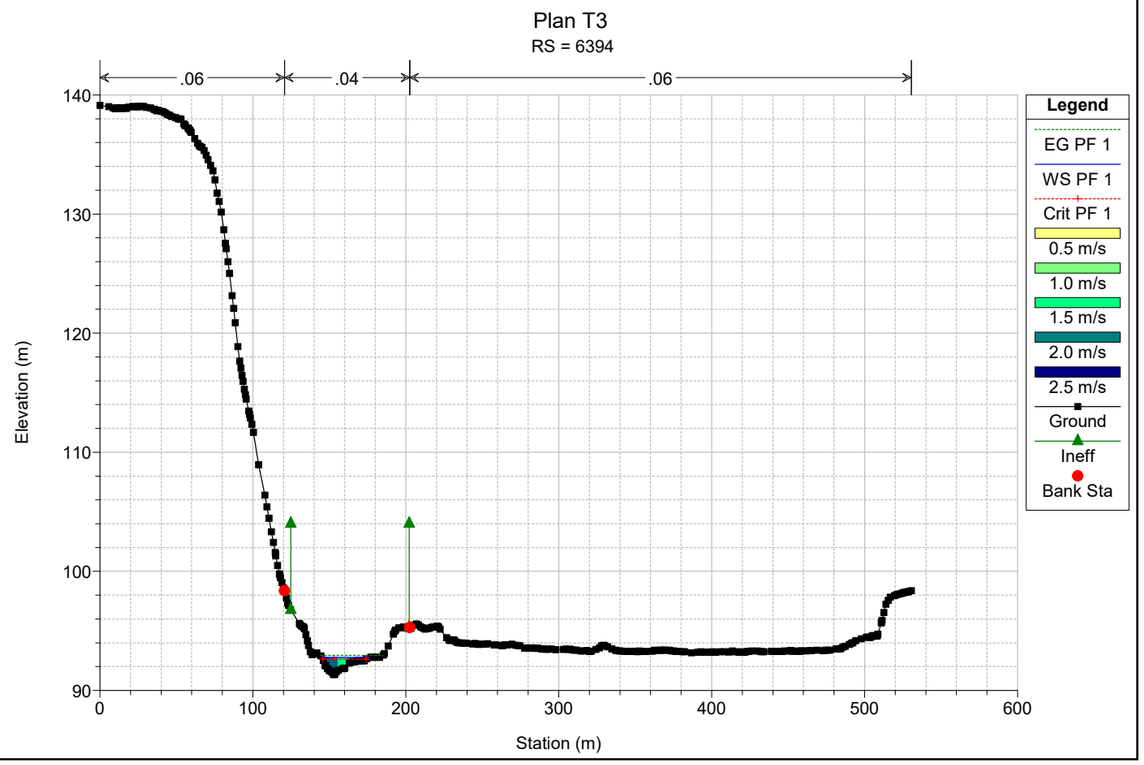

Plan T3
RS = 6570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
1.6 m/s
Ground
Ineff
Bank Sta

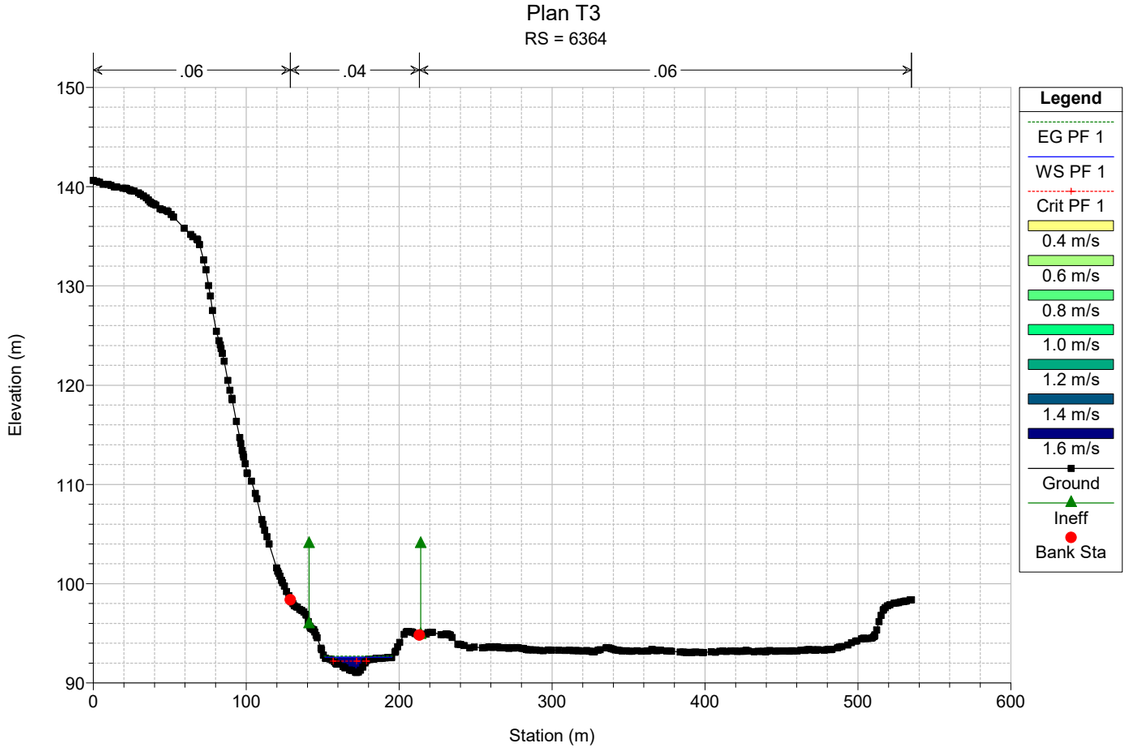

Plan T3
RS = 6540
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

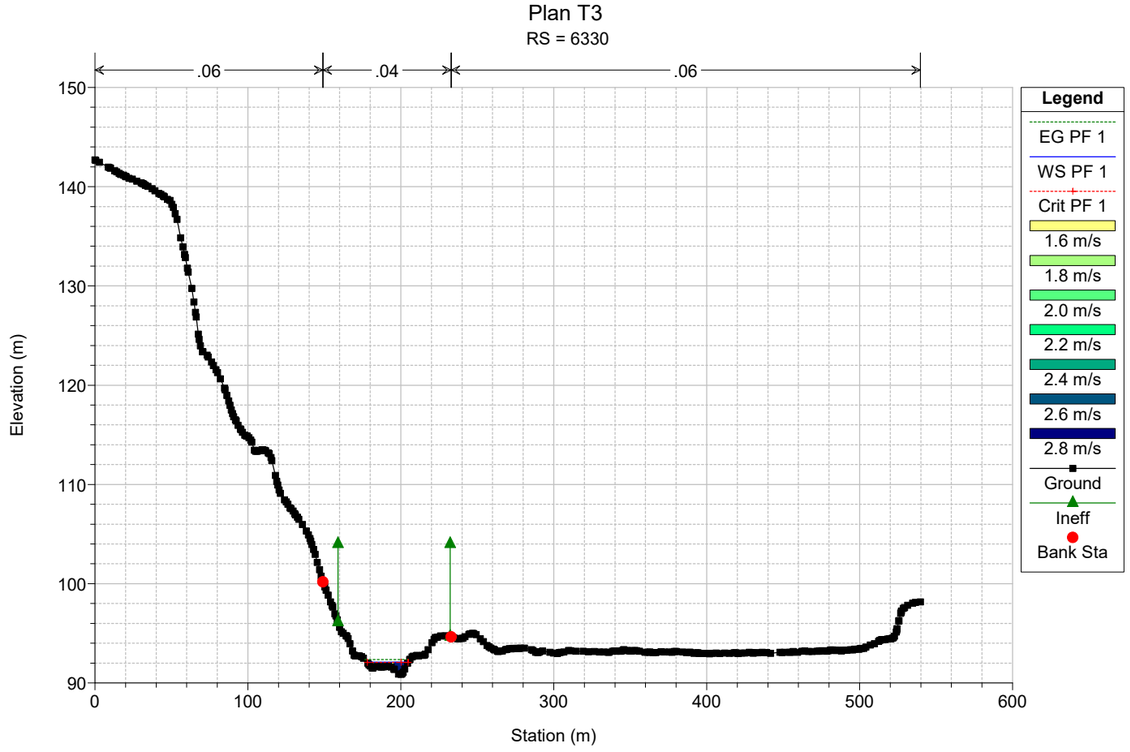

Plan T3
RS = 6505
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

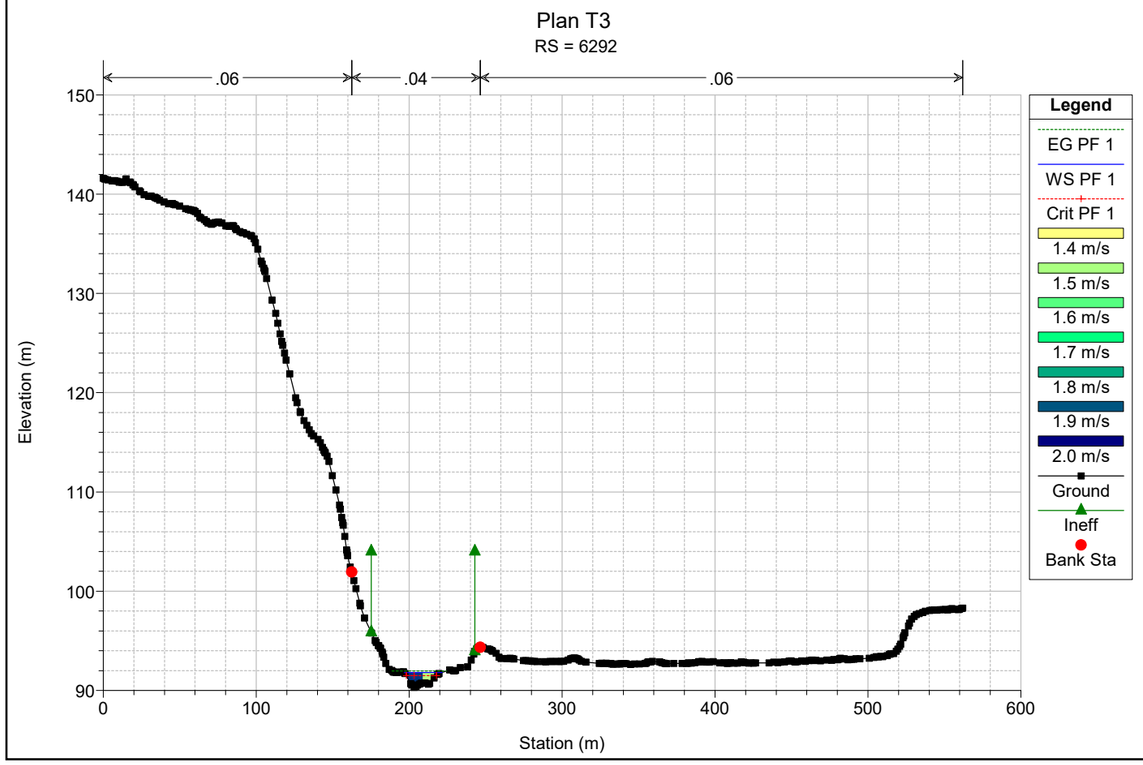

Plan T3
RS = 6476
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Ineff
Bank Sta

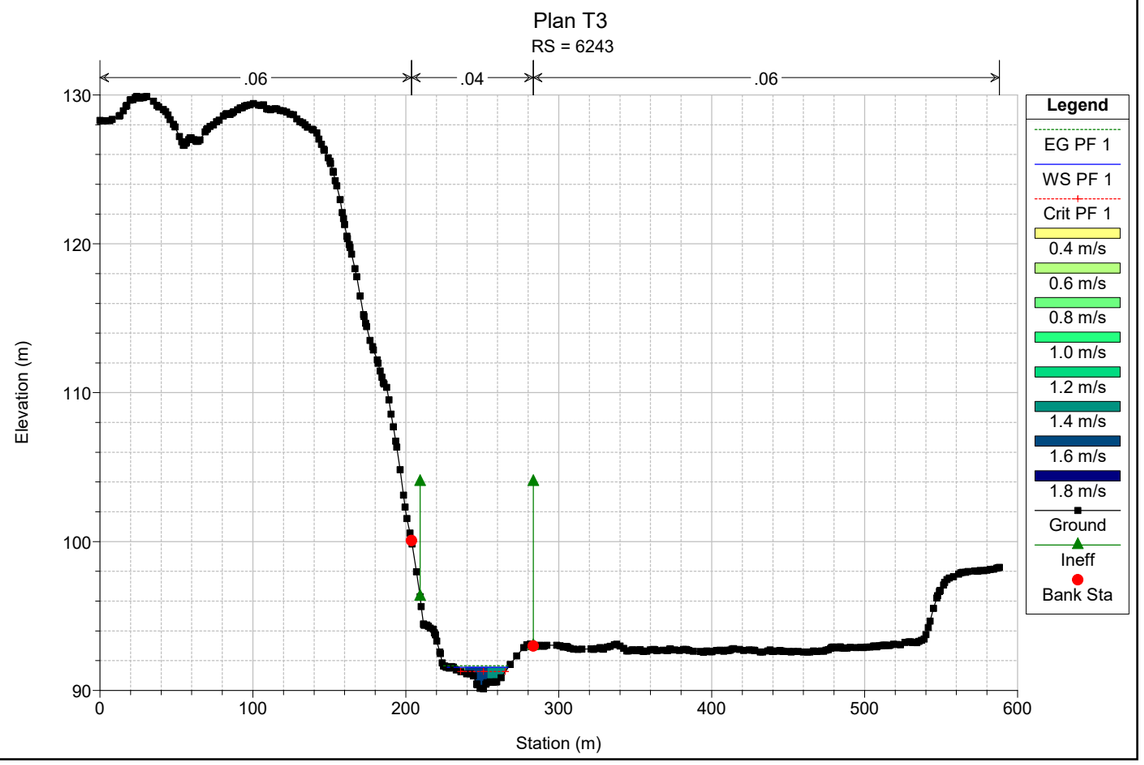

Plan T3
RS = 6443
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

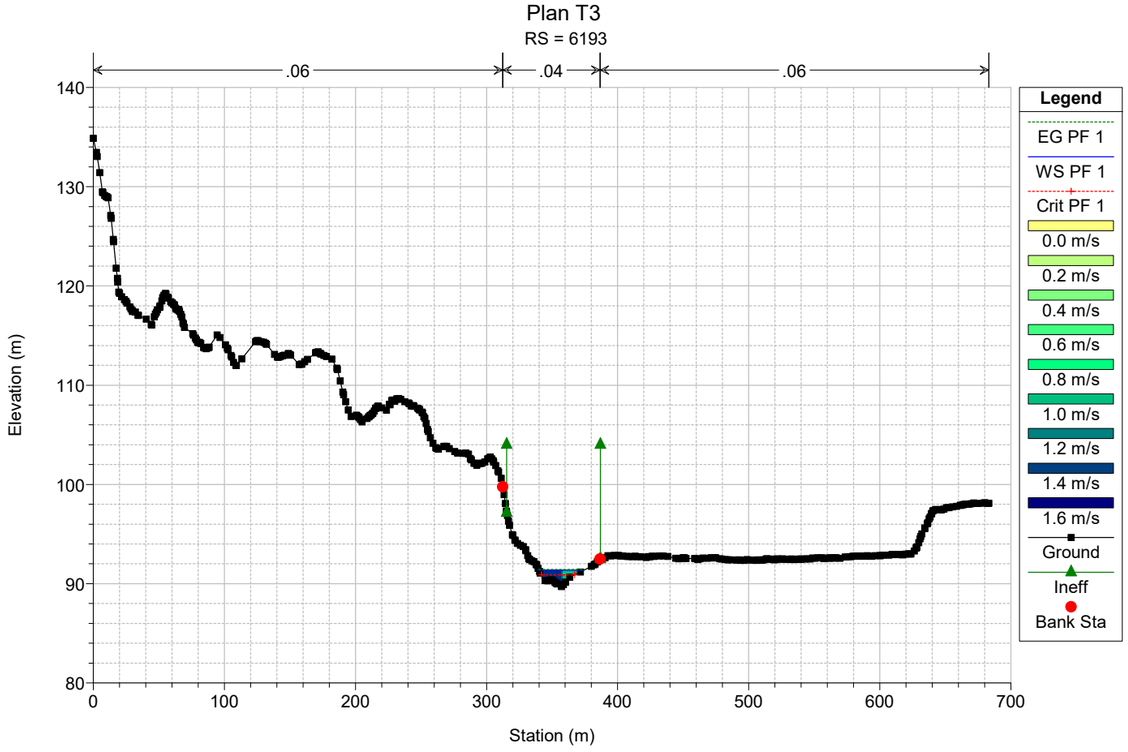

Plan T3
RS = 6394
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

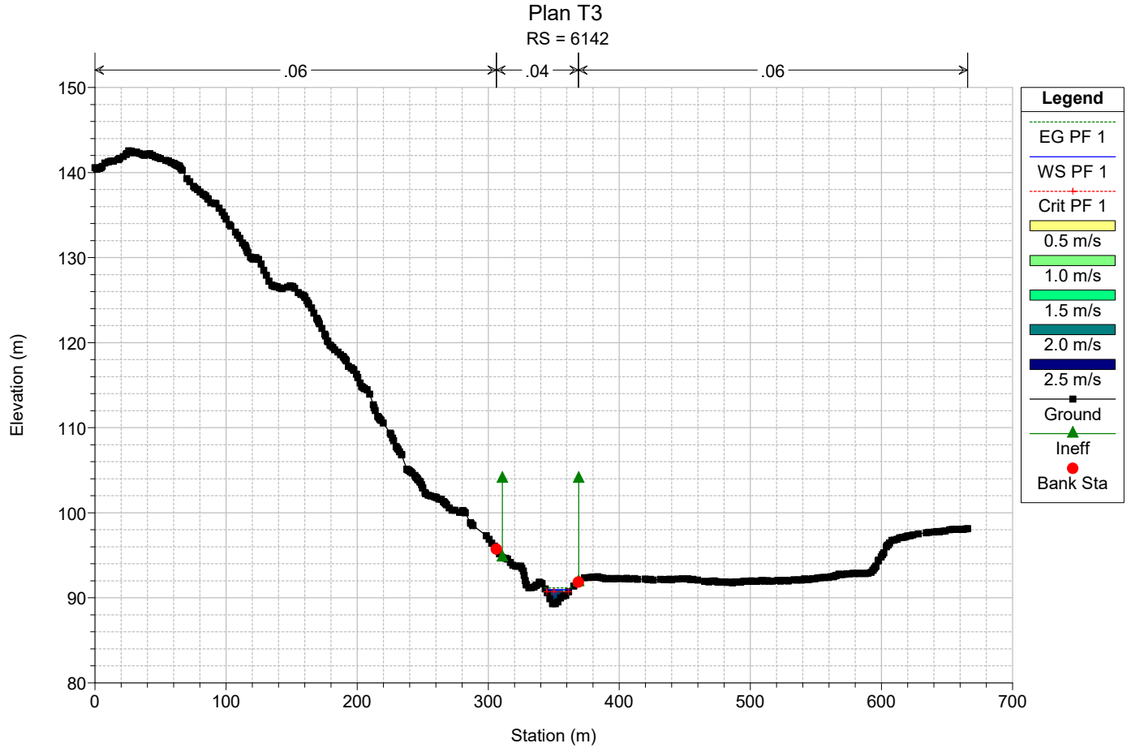

Plan T3
RS = 6364
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

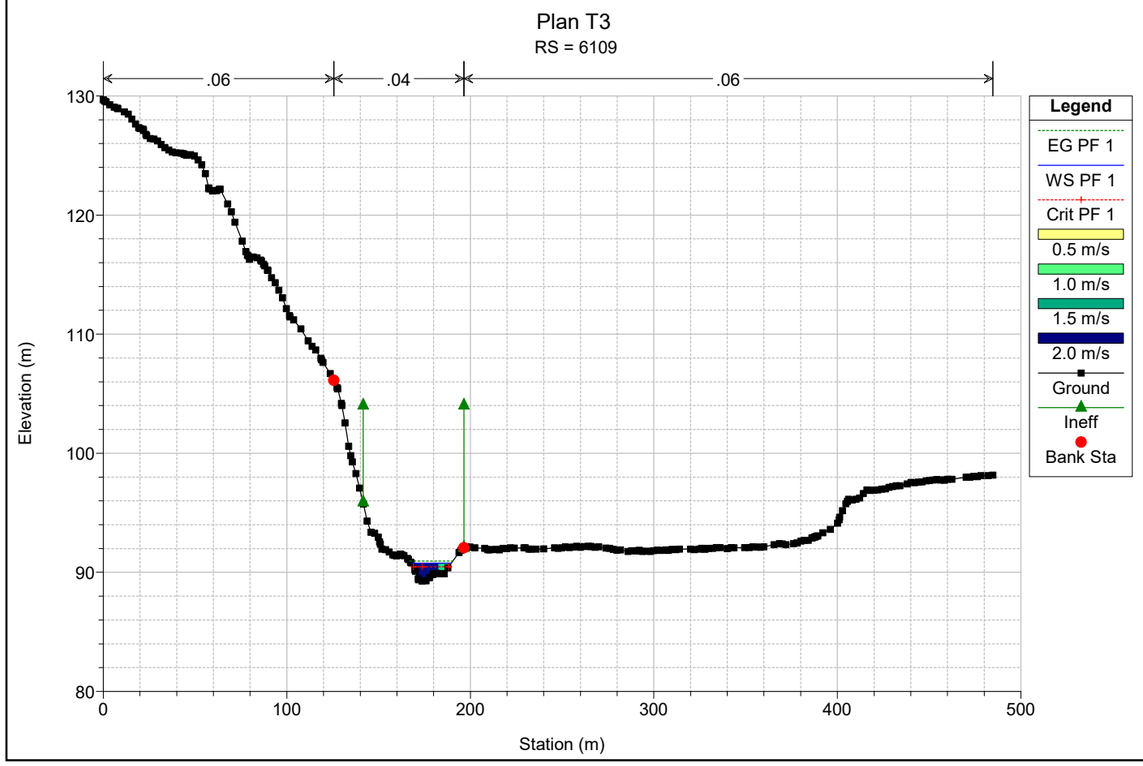

Plan T3
RS = 6330
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

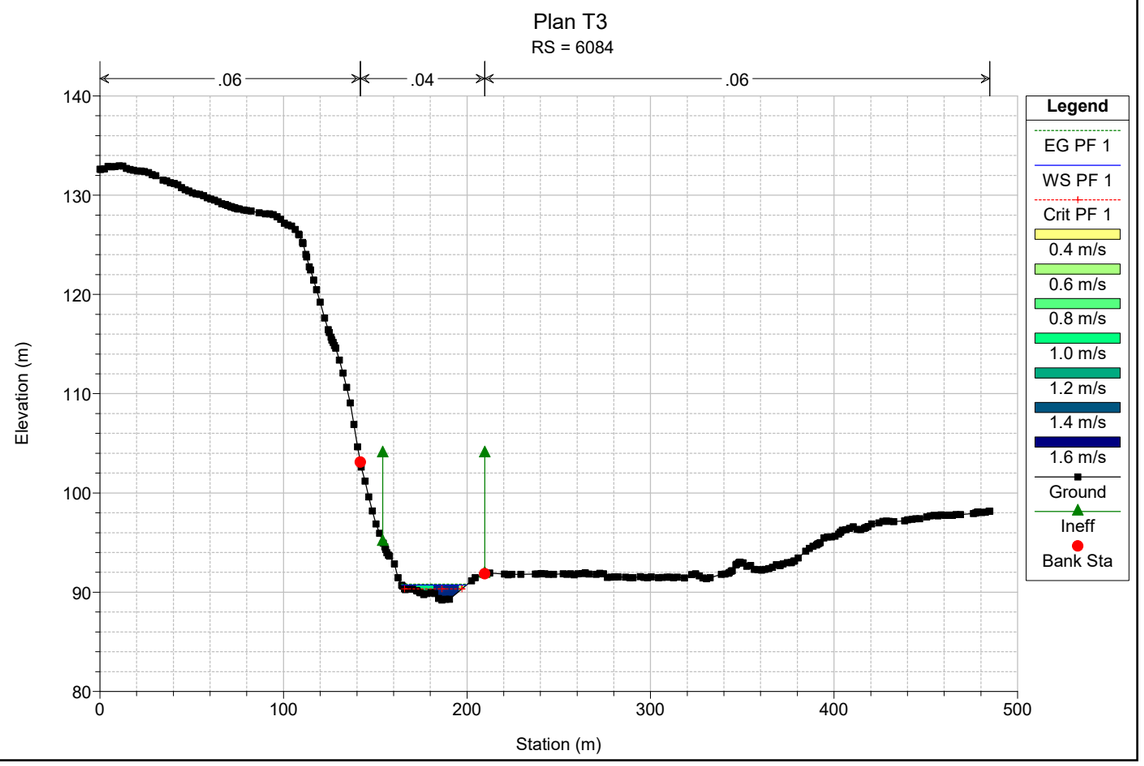

Plan T3
RS = 6292
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.5 m/s
1.6 m/s
1.7 m/s
1.8 m/s
1.9 m/s
2.0 m/s
Ground
Ineff
Bank Sta

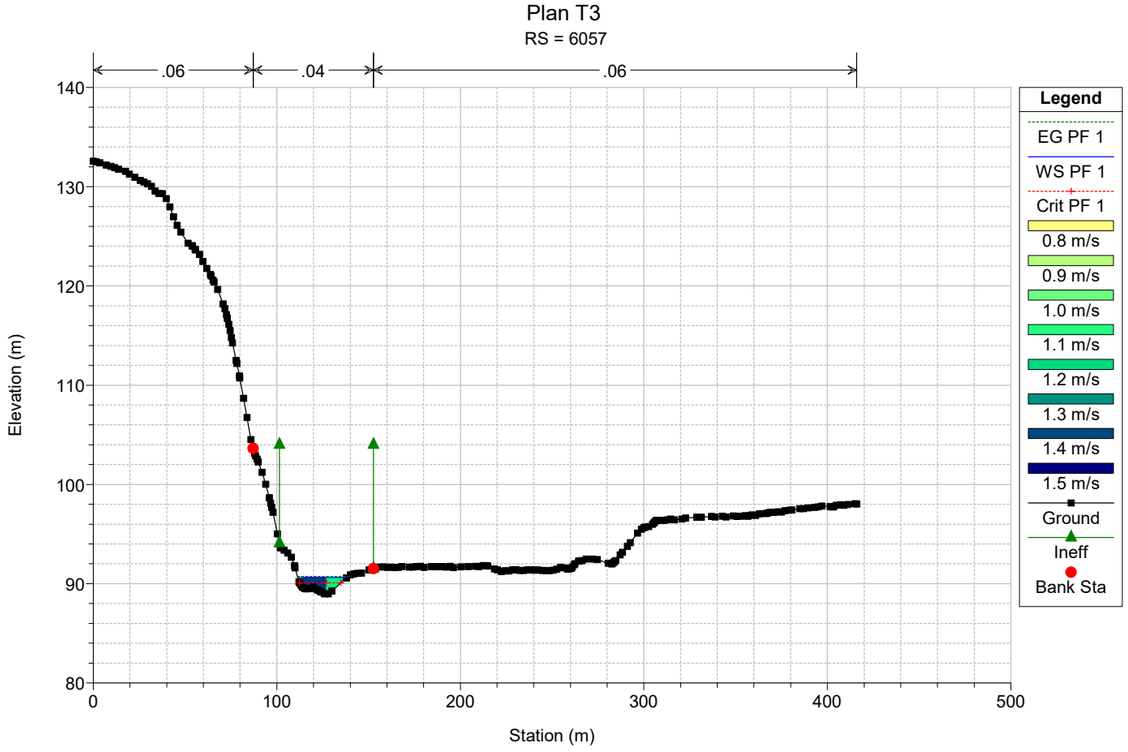

Plan T3
RS = 6243
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

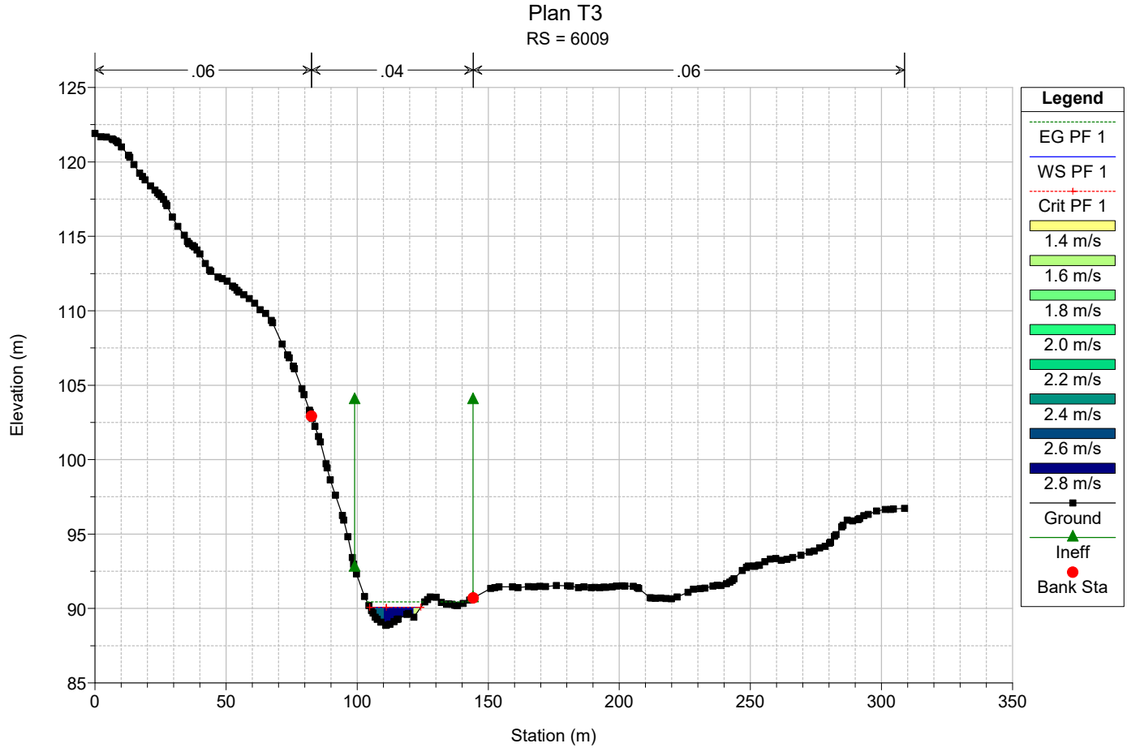

Plan T3
RS = 6193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

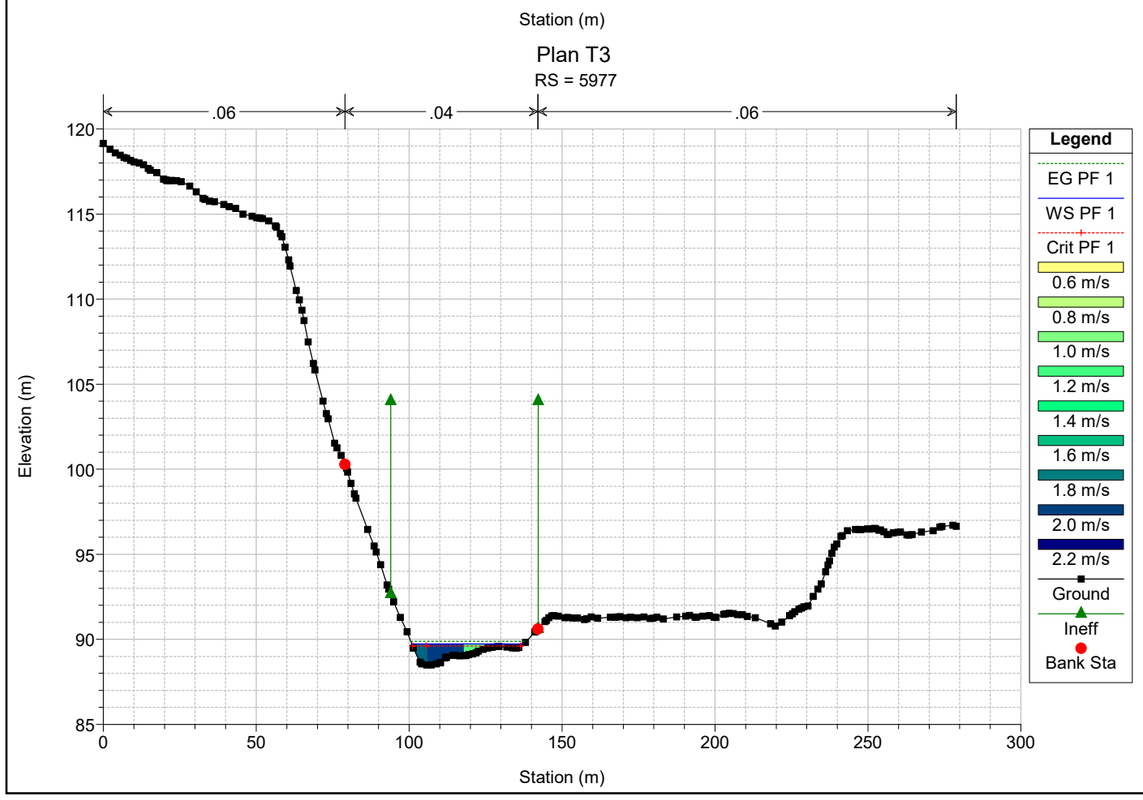

Plan T3
RS = 6142
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

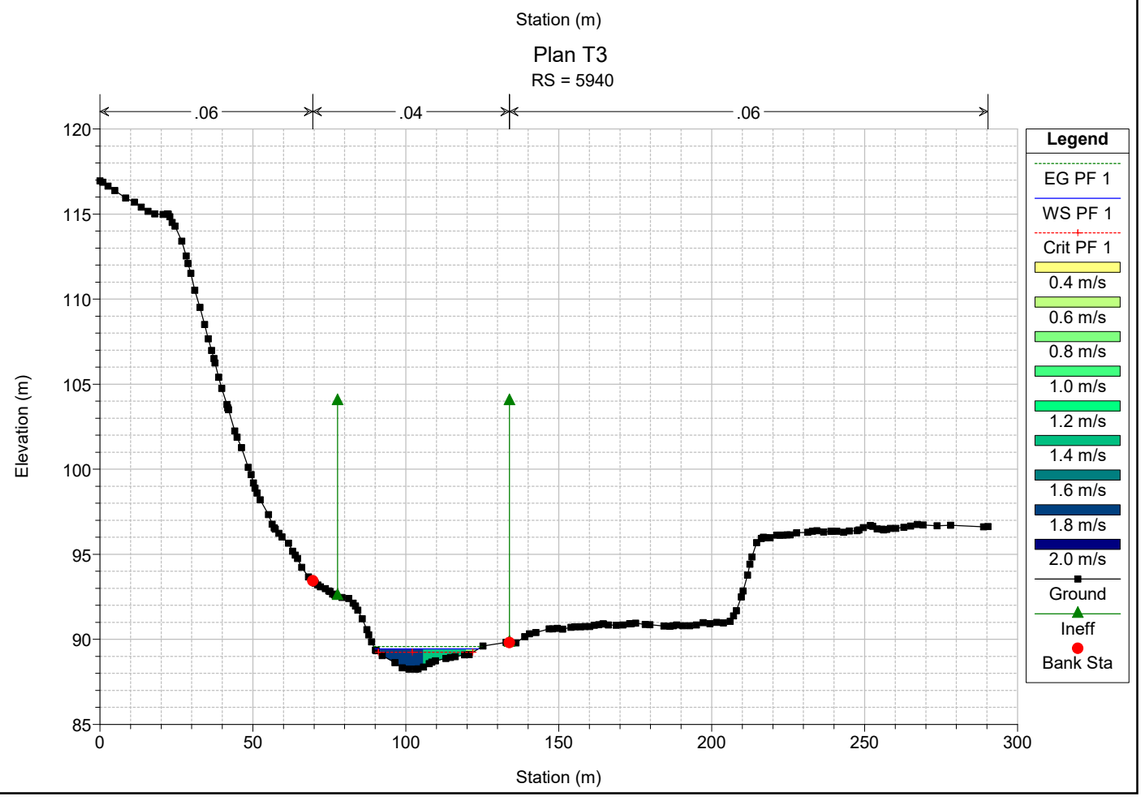

Plan T3
RS = 6109
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

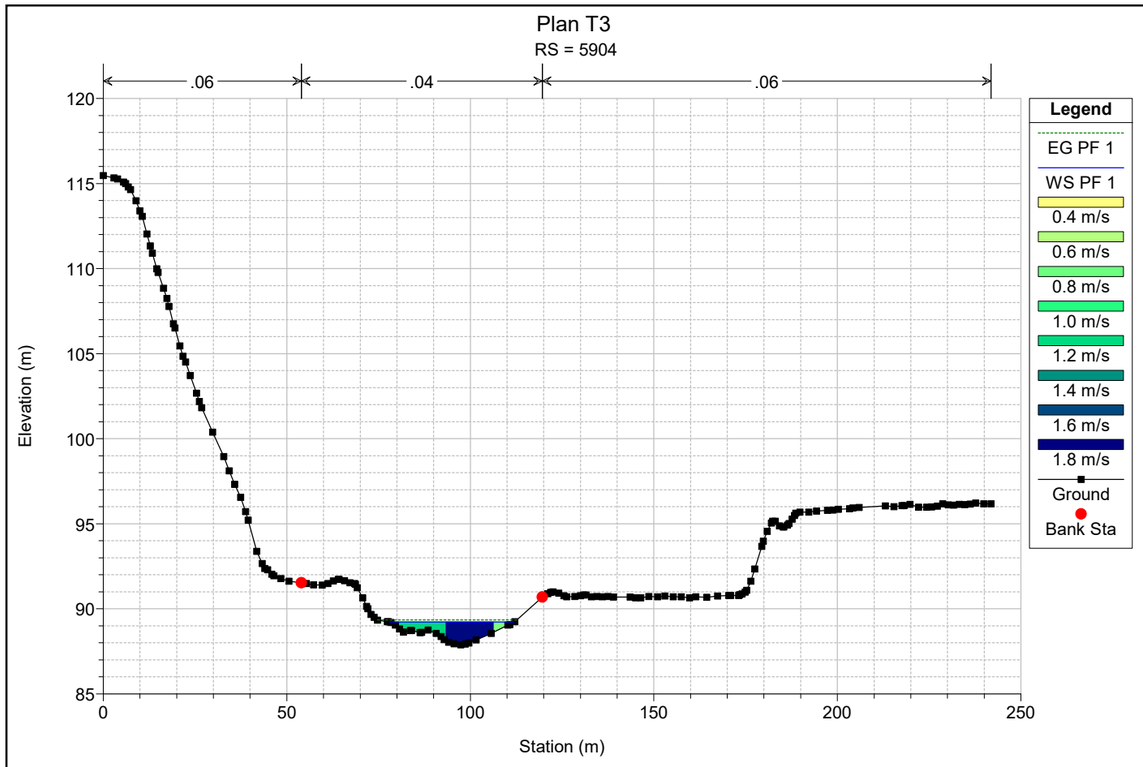

Plan T3
RS = 6084
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

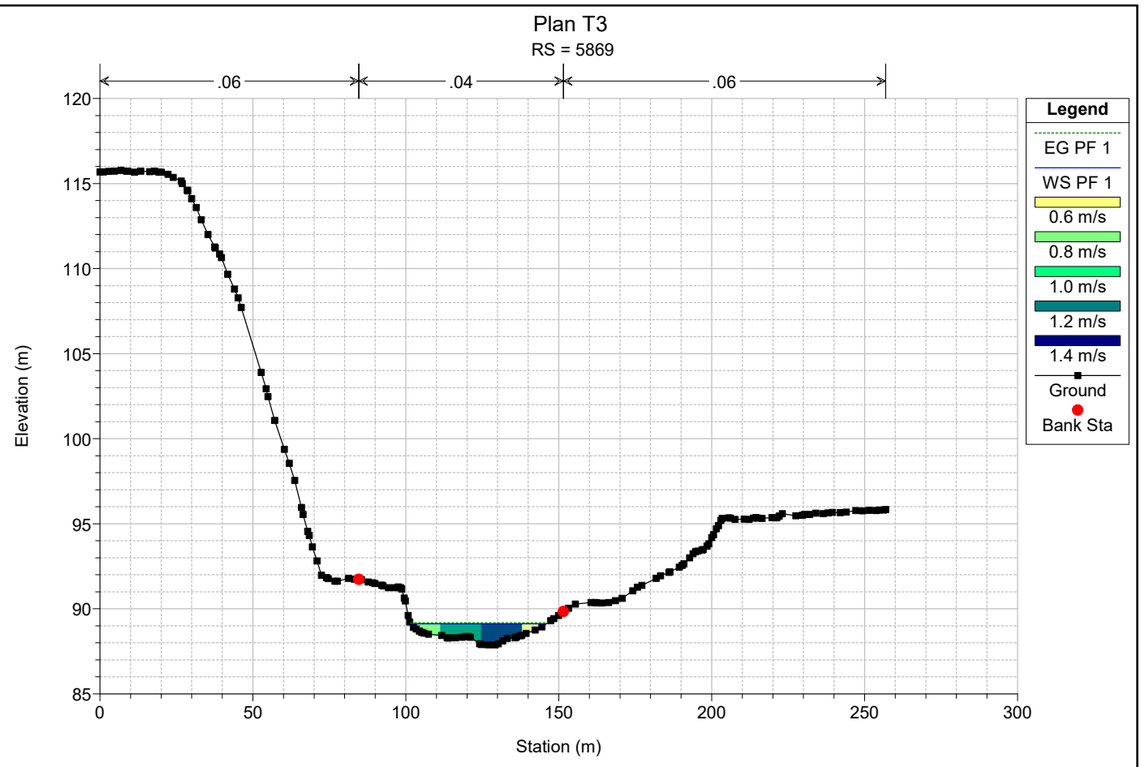

Plan T3
RS = 6057
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
Ground
Ineff
Bank Sta

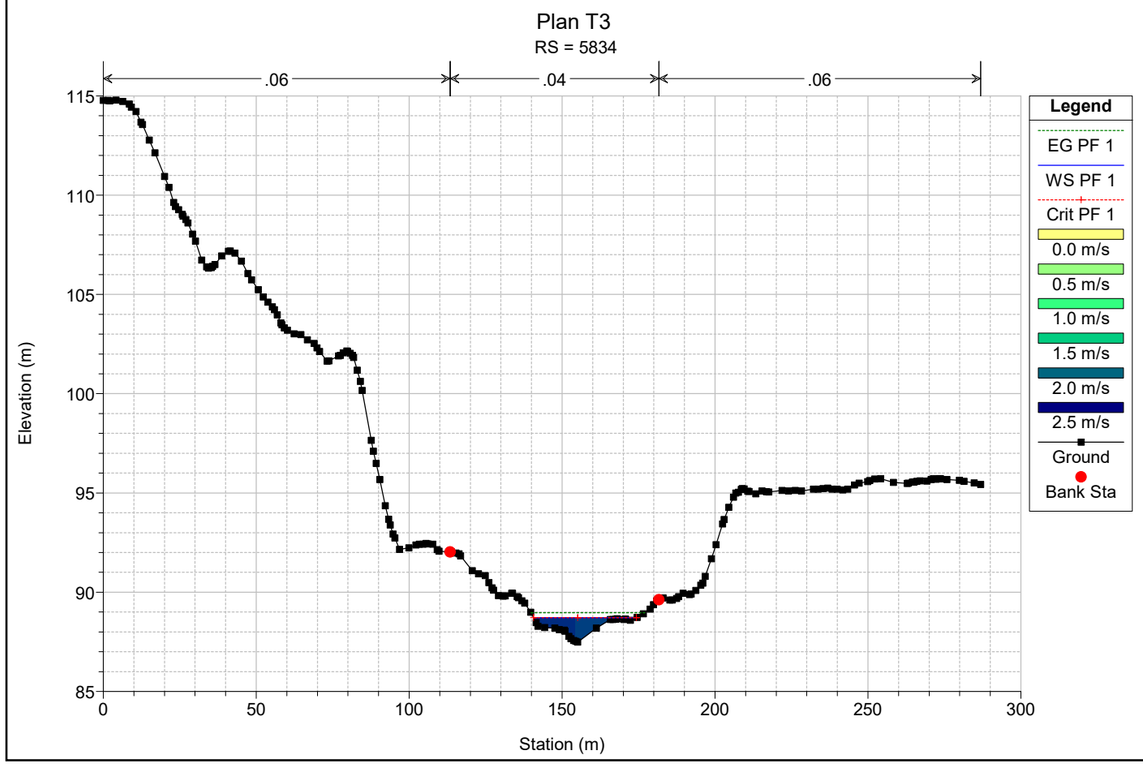

Plan T3
RS = 6009
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

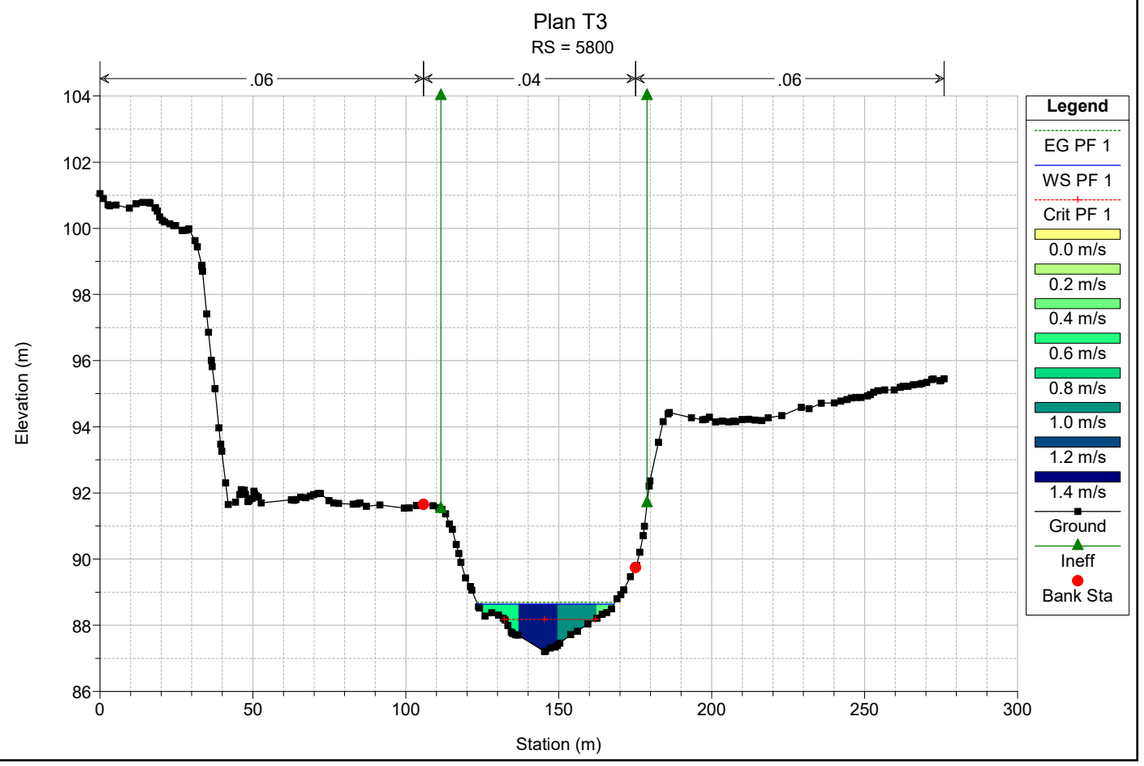

Plan T3
RS = 5977
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

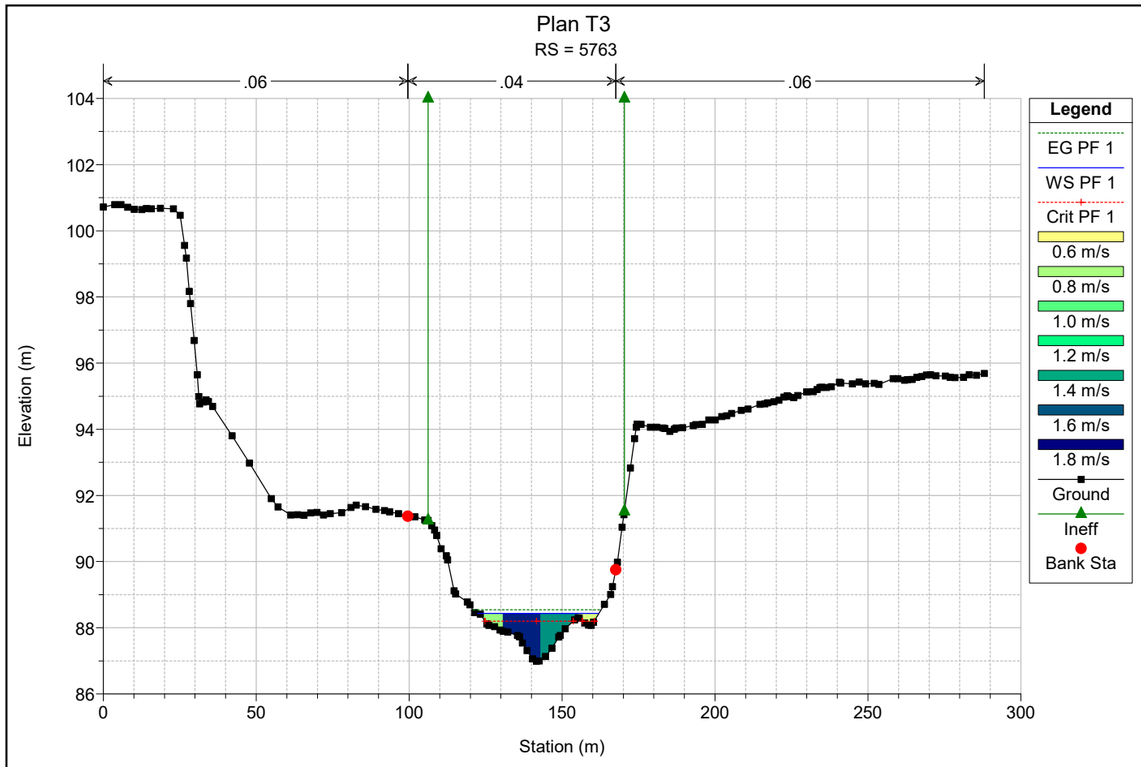

Plan T3
RS = 5940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

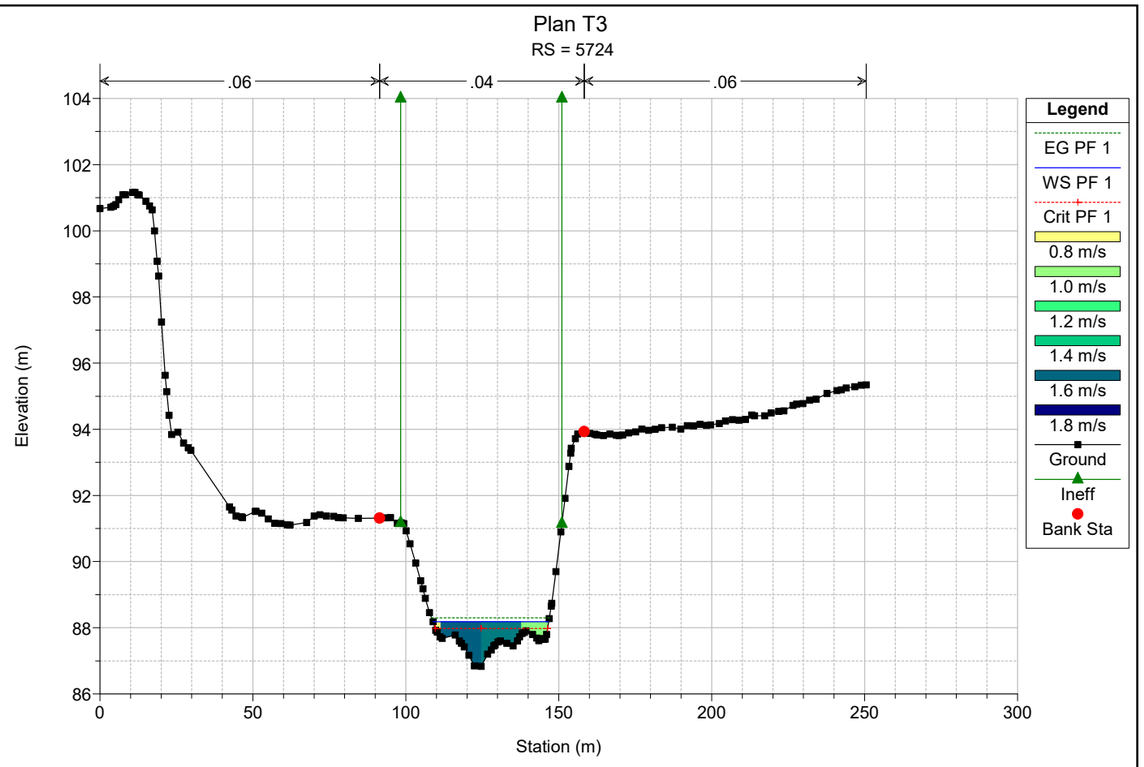

Plan T3
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

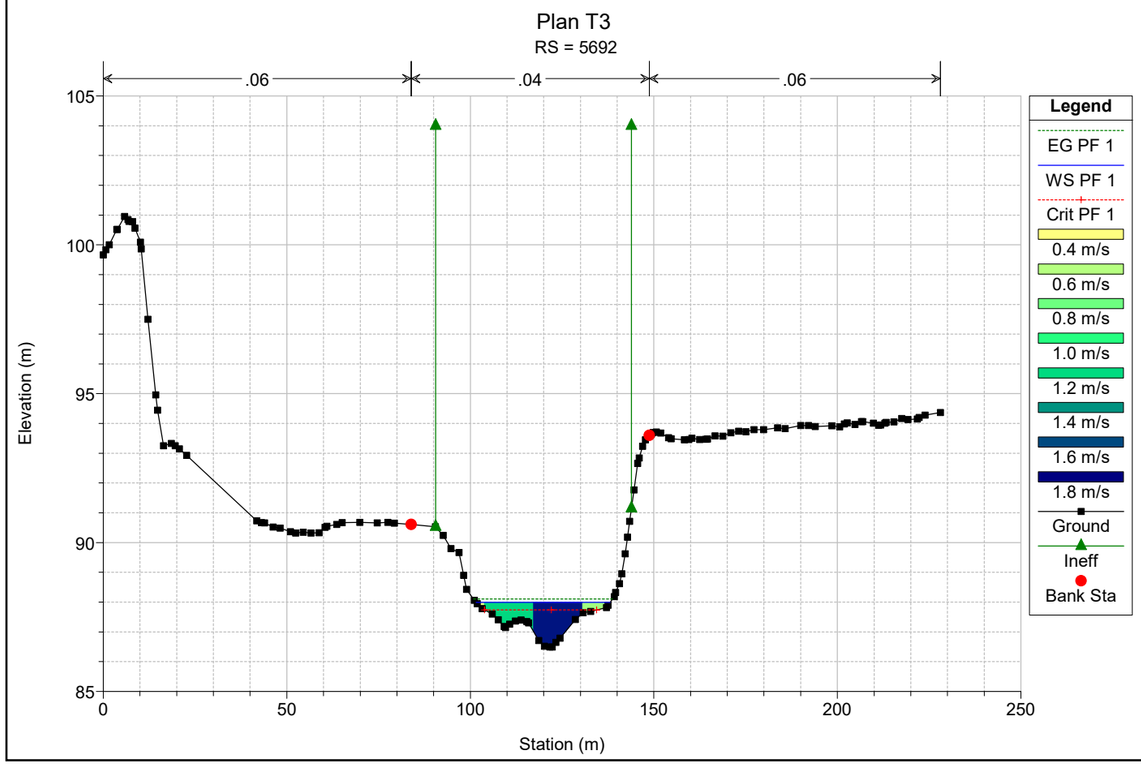

Plan T3
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

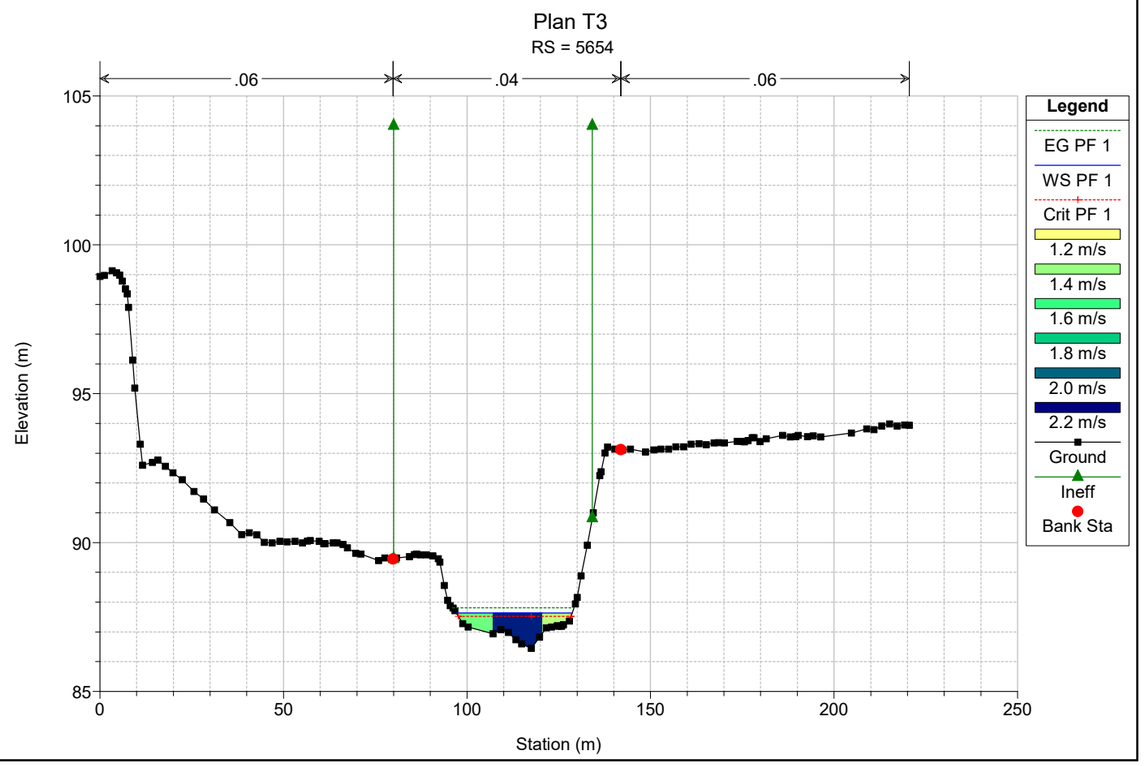

Plan T3
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

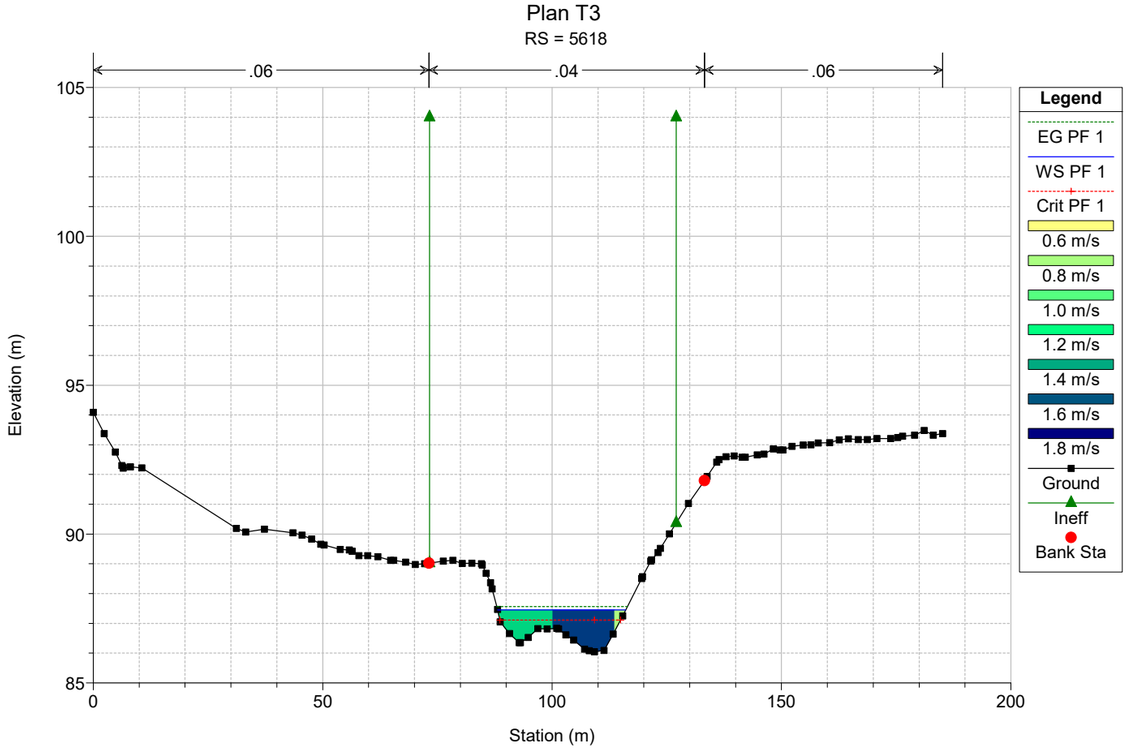

Plan T3
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

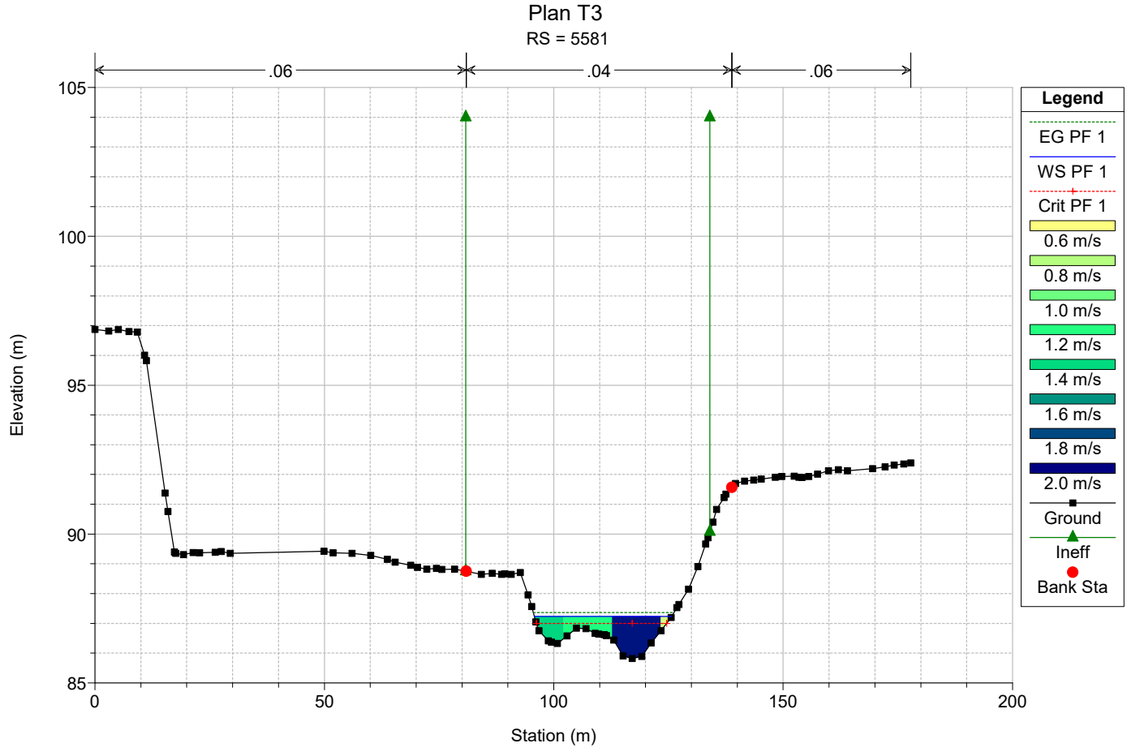

Plan T3
RS = 5763
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

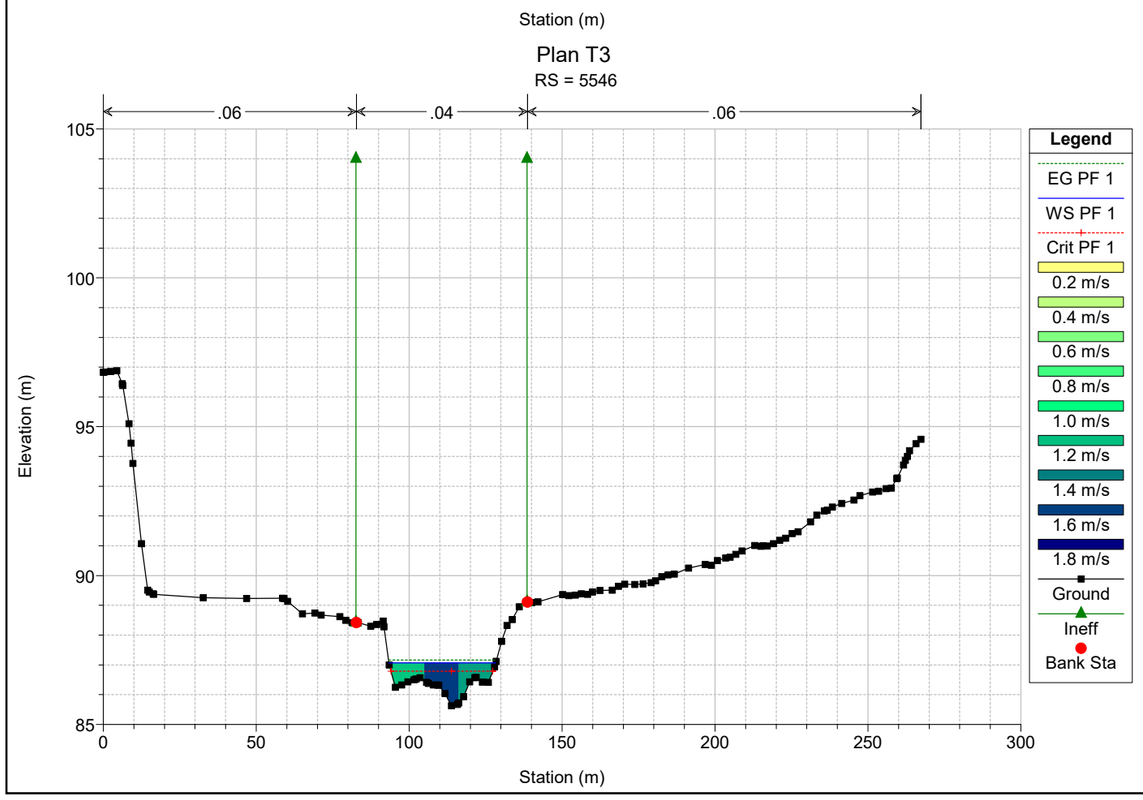

Plan T3
RS = 5724
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

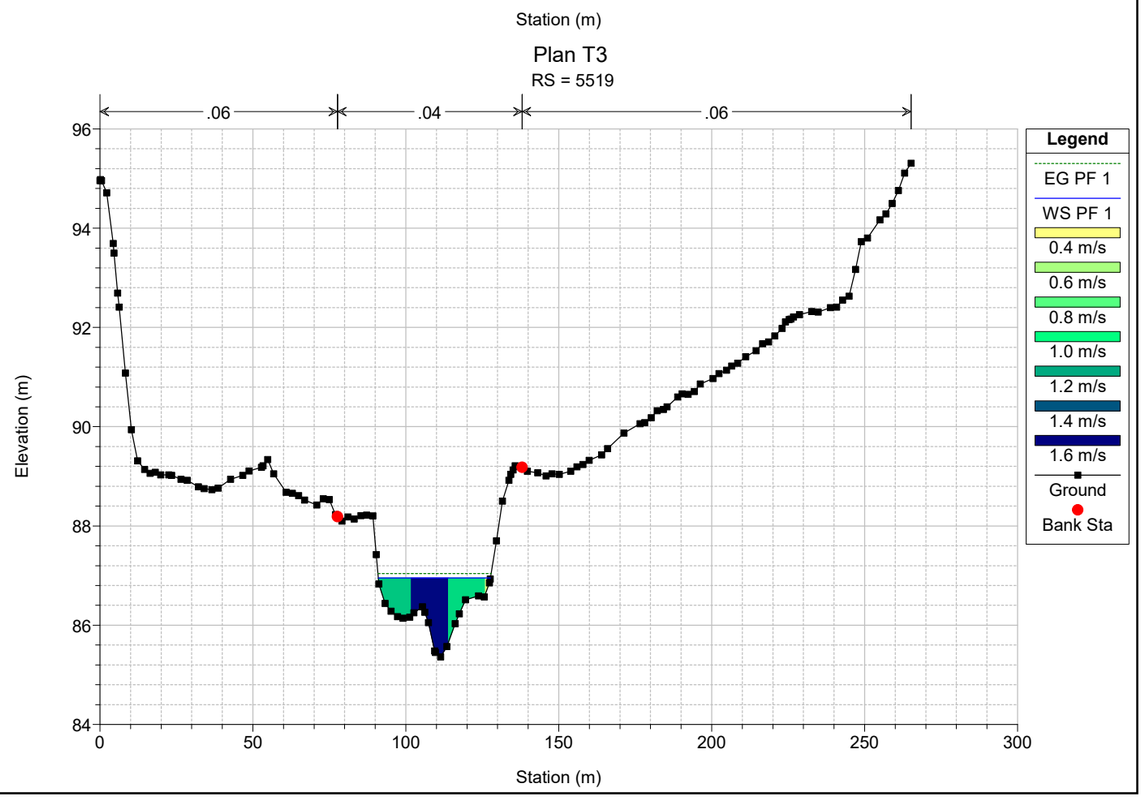

Plan T3
RS = 5692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

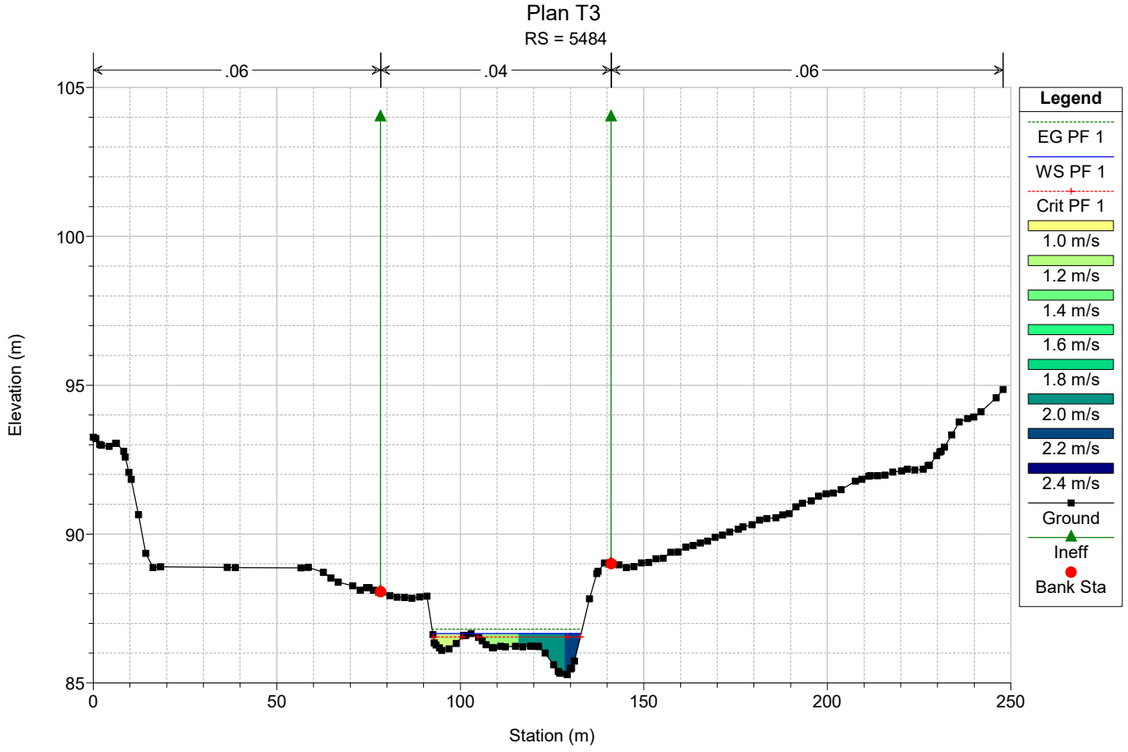

Plan T3
RS = 5654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

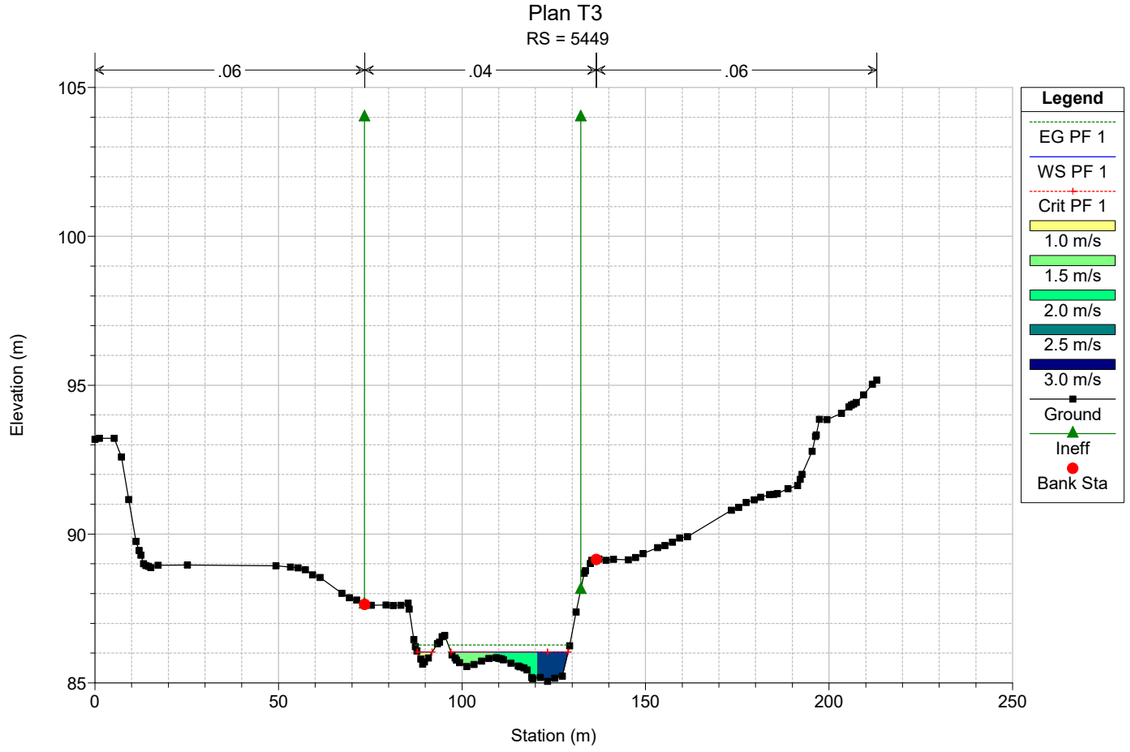

Plan T3
RS = 5618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

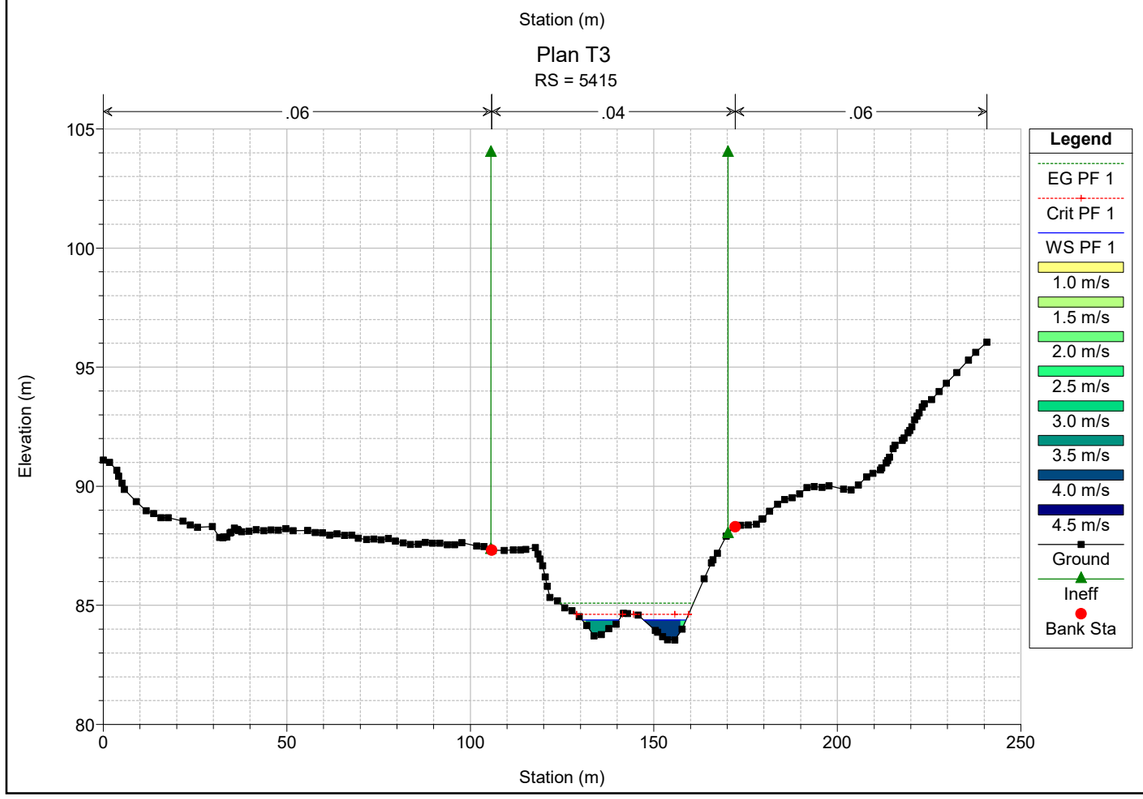

Plan T3
RS = 5581
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

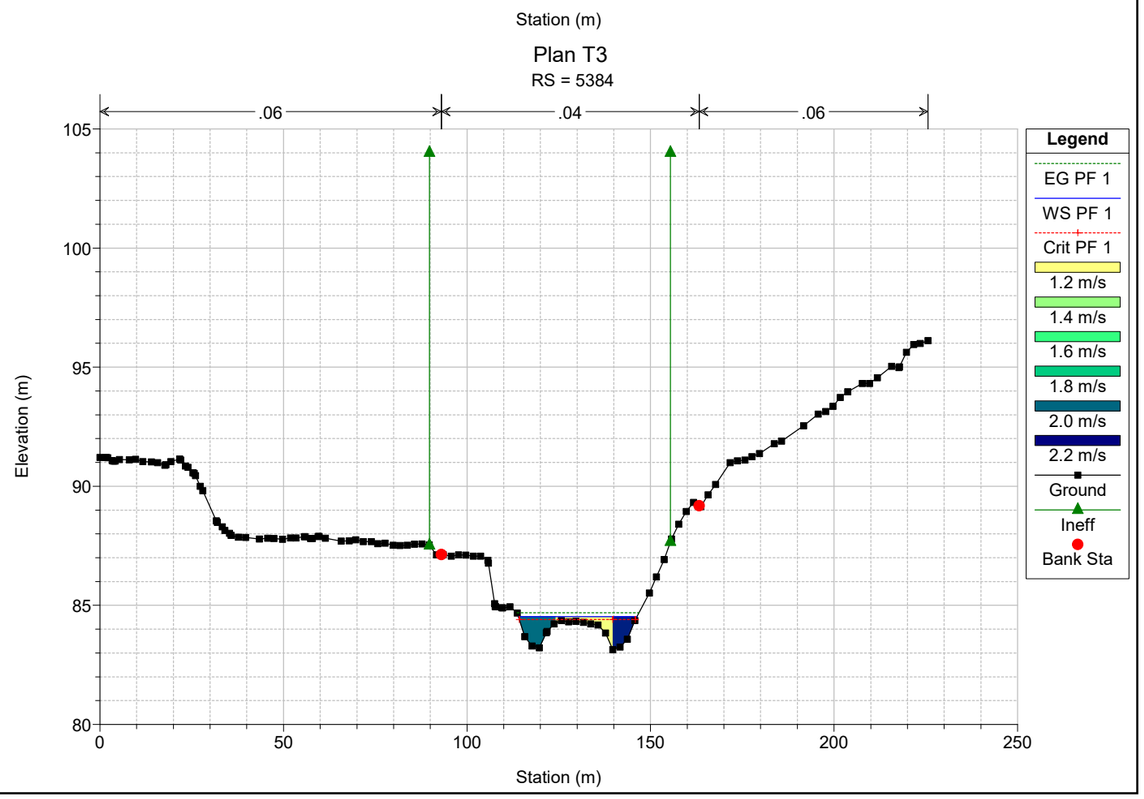

Plan T3
RS = 5546
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

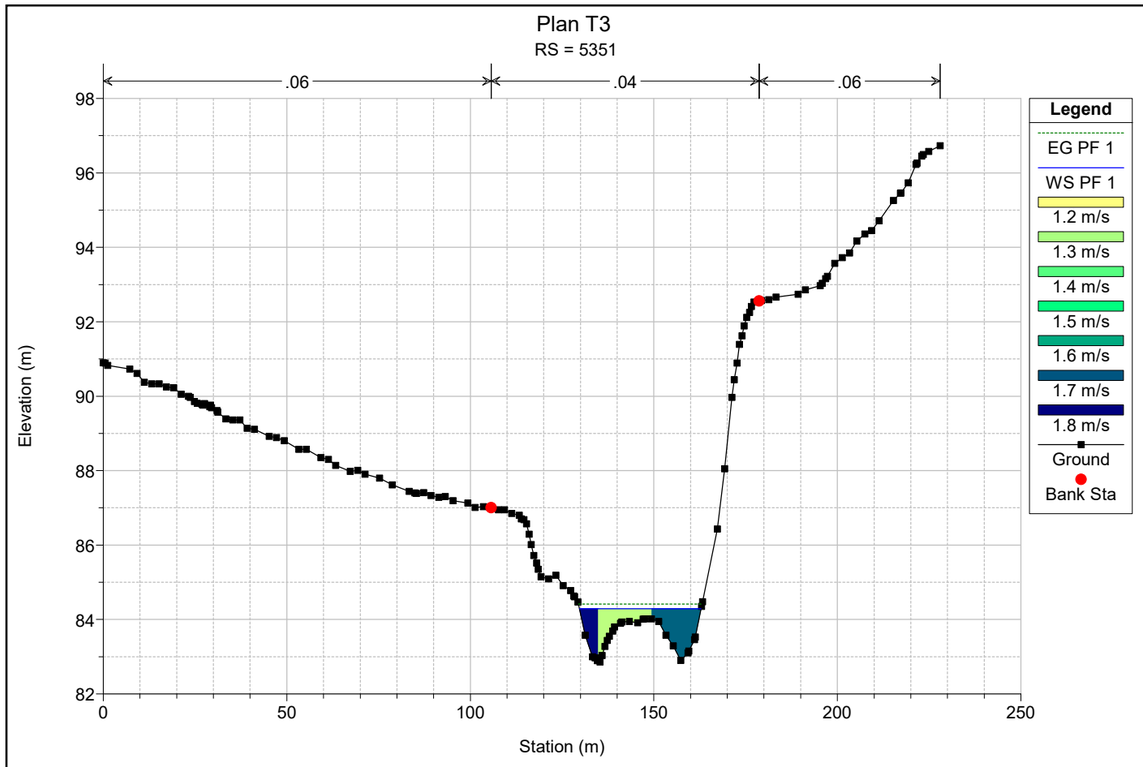

Plan T3
RS = 5519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

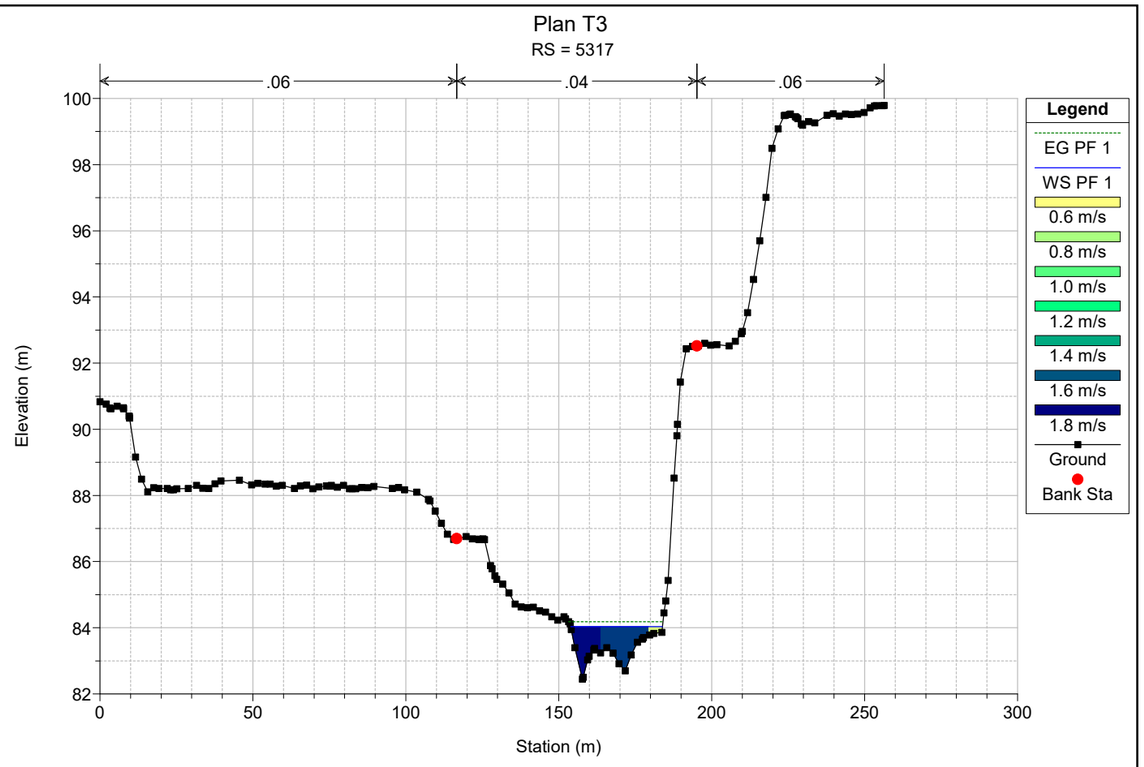

Plan T3
RS = 5484
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

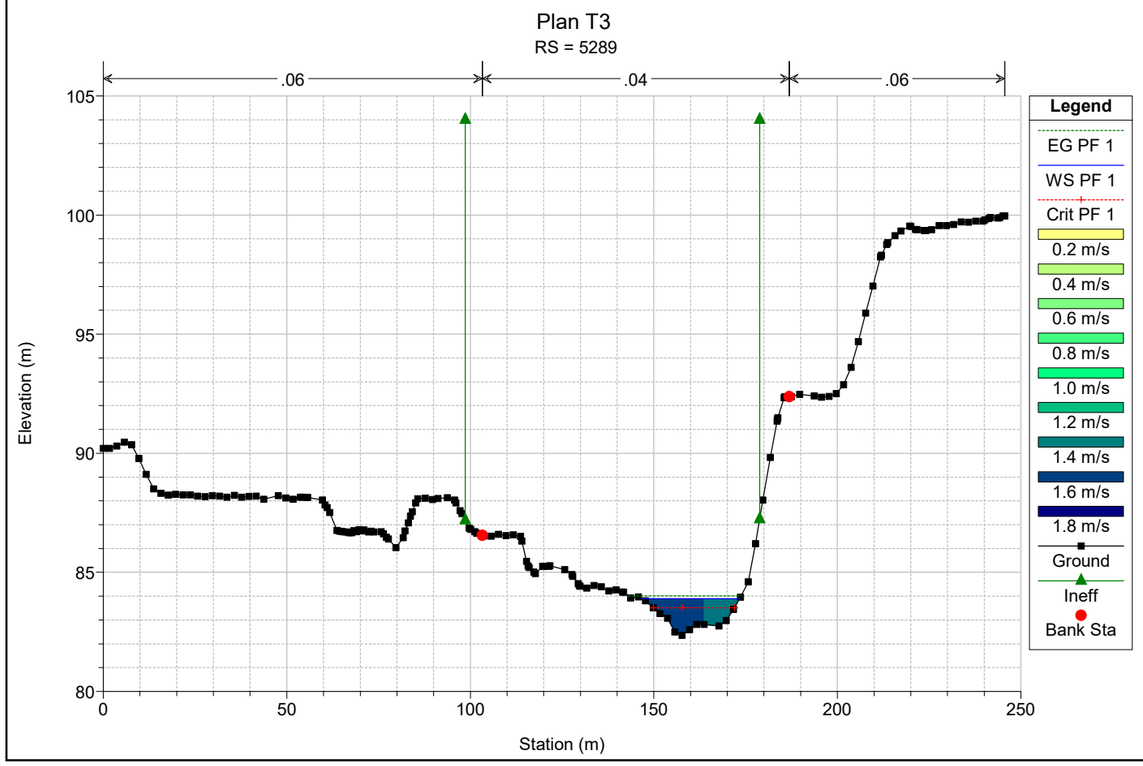

Plan T3
RS = 5449
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

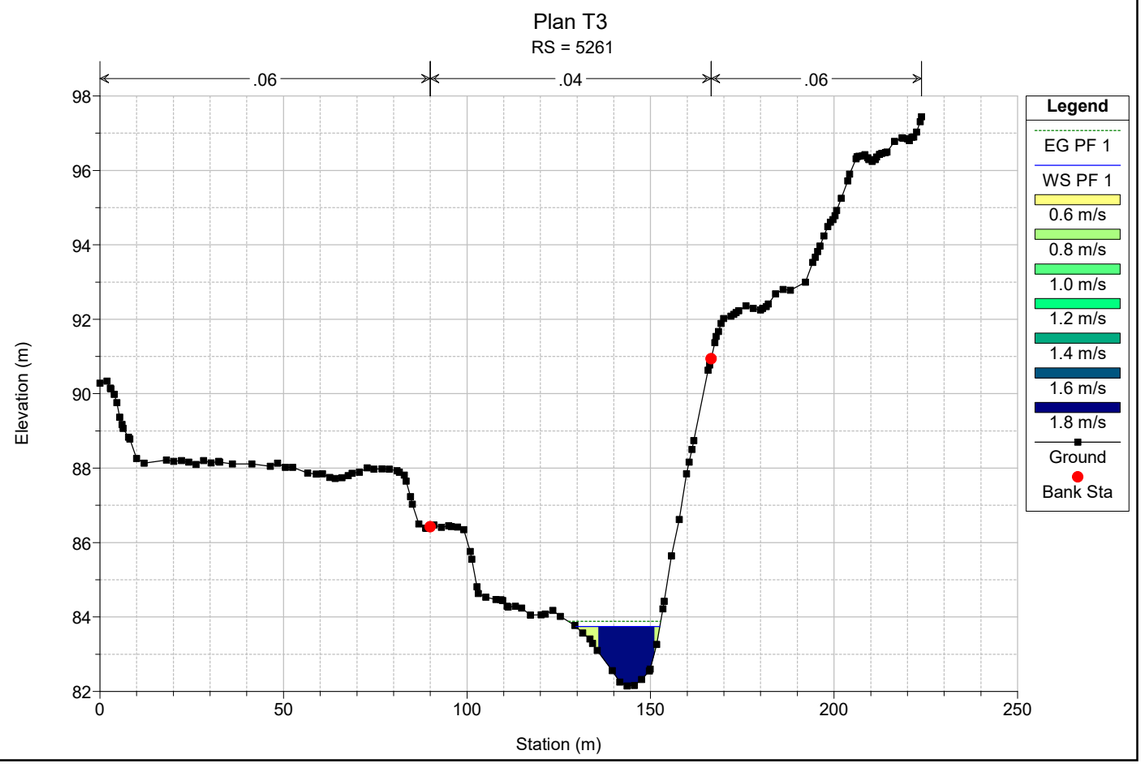

Plan T3
RS = 5415
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

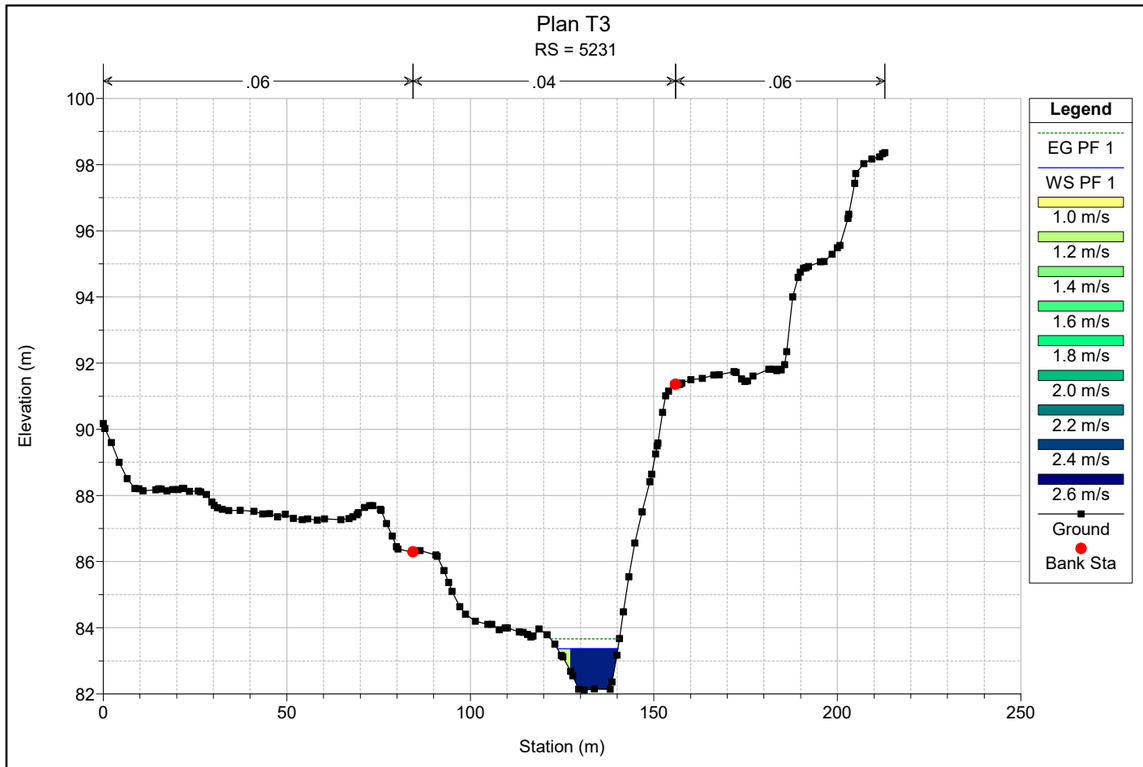

Plan T3
RS = 5384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Ineff
Bank Sta

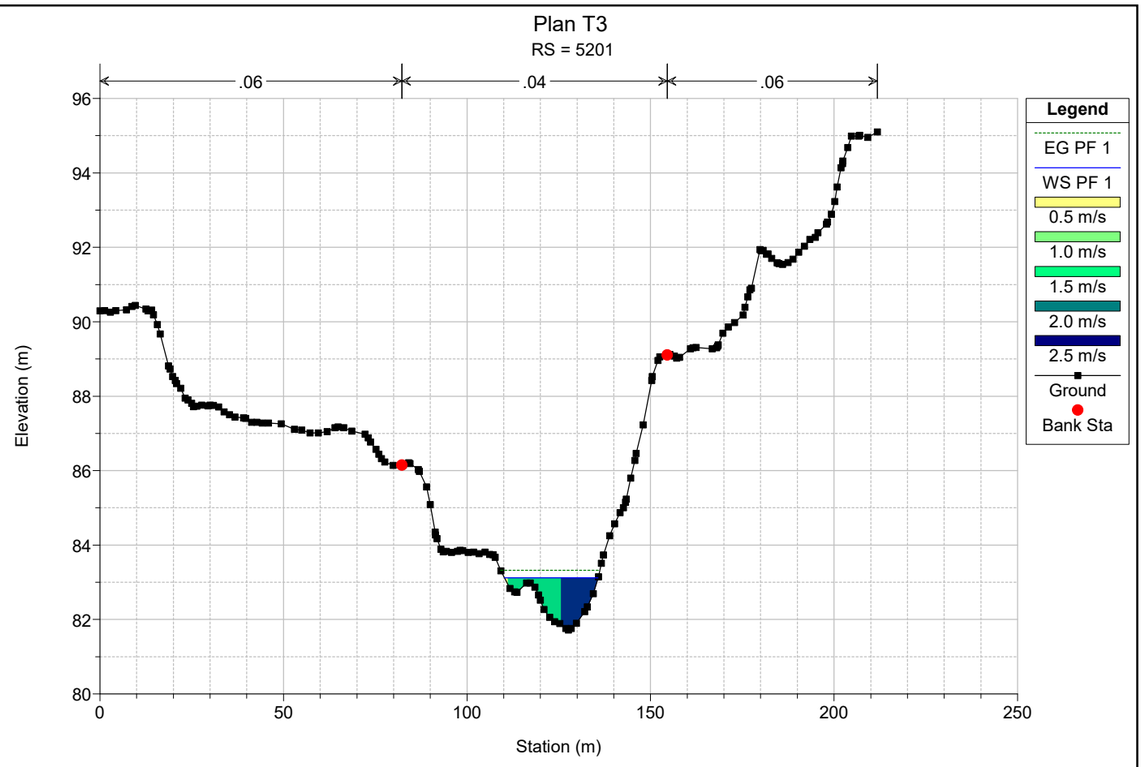

Plan T3
RS = 5351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
1.6 m/s
1.7 m/s
1.8 m/s
Ground
Bank Sta

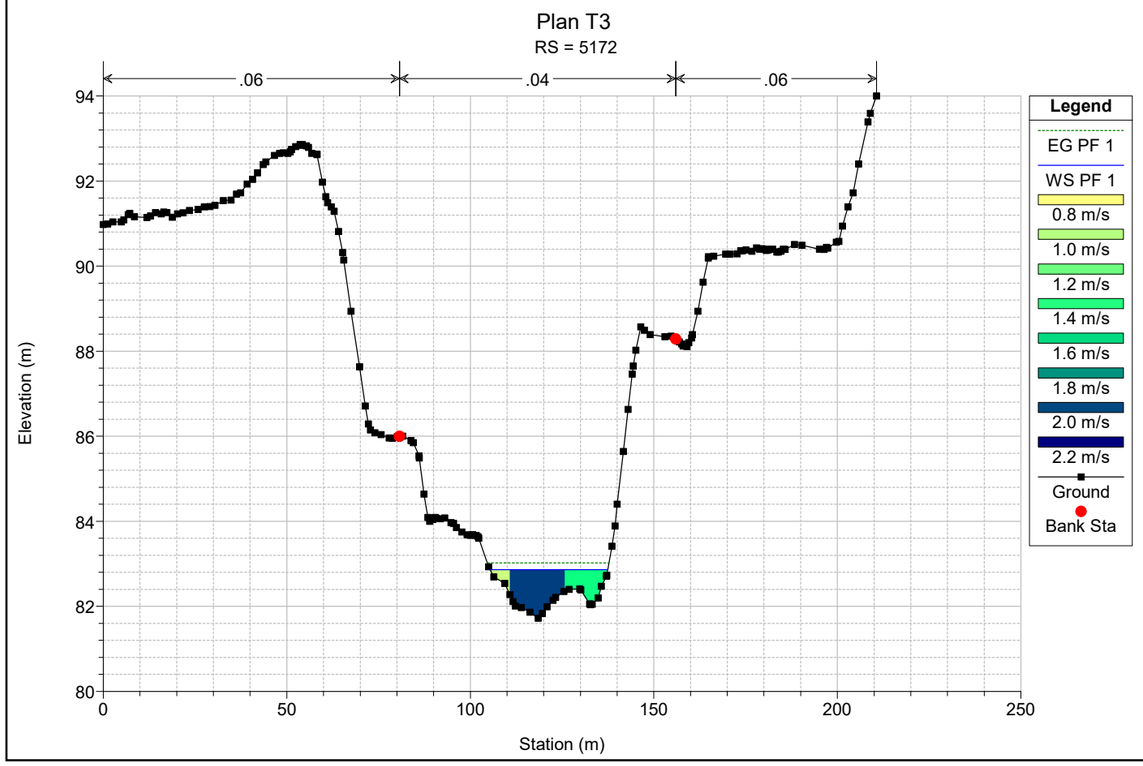

Plan T3
RS = 5317
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

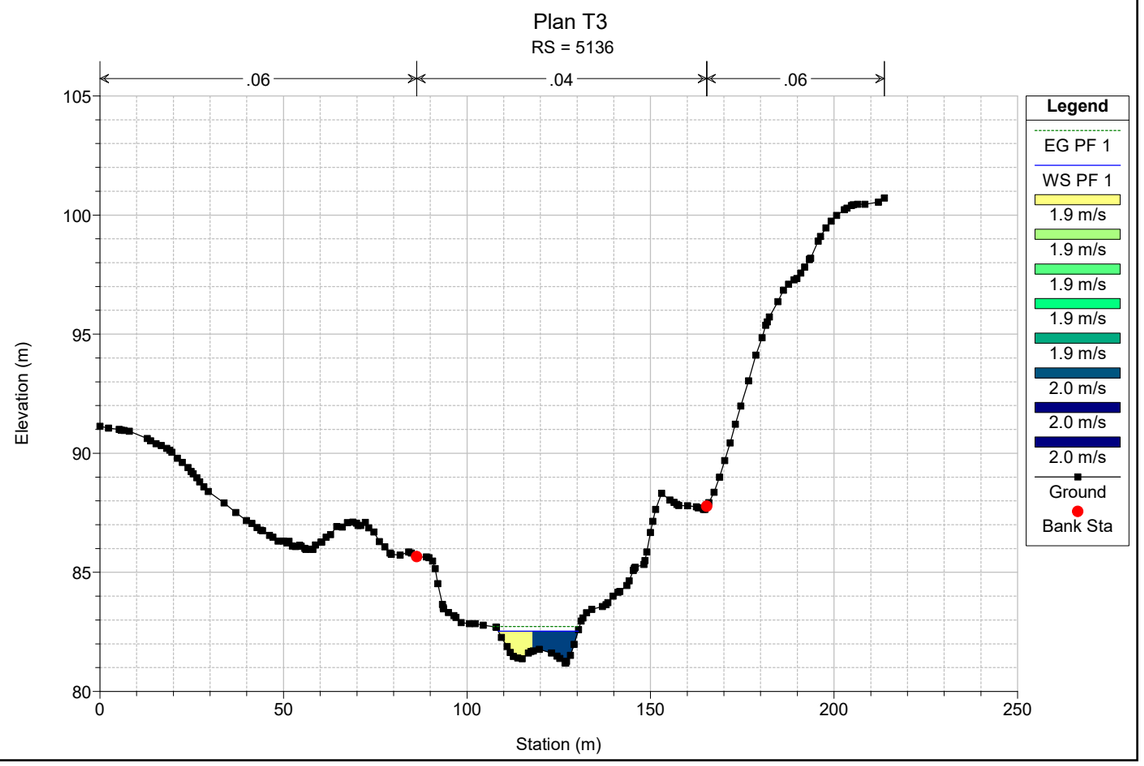

Plan T3
RS = 5289
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

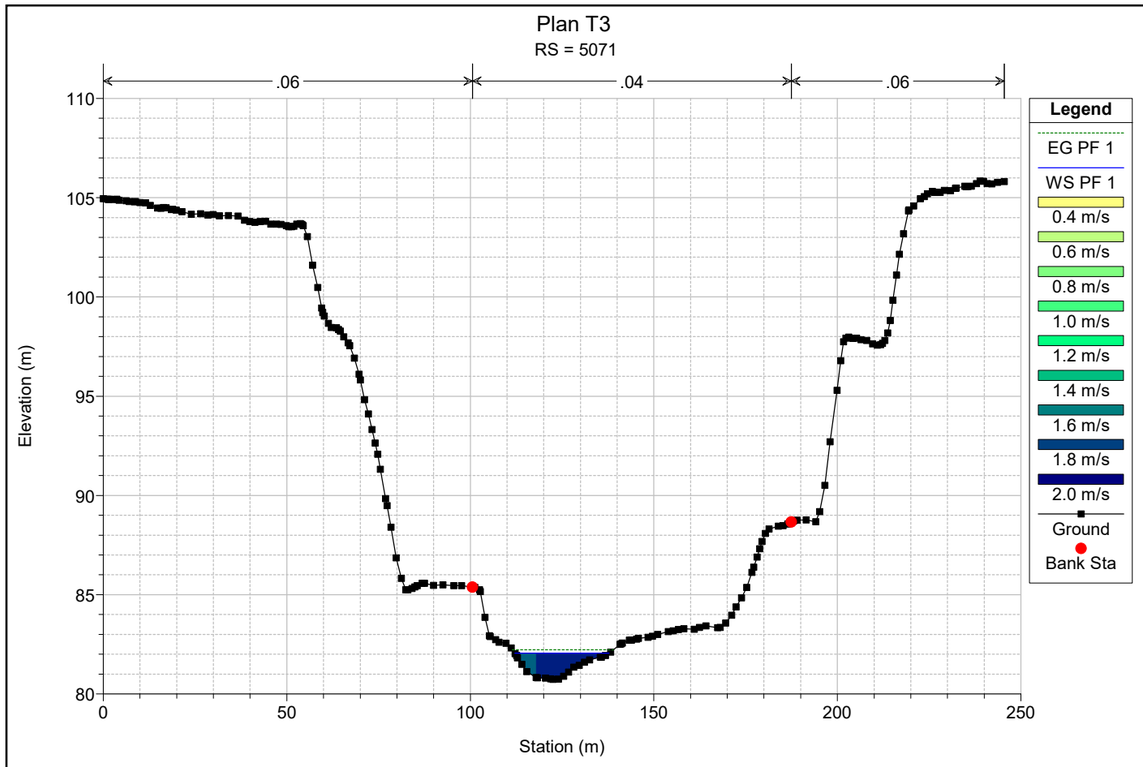

Plan T3
RS = 5261
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

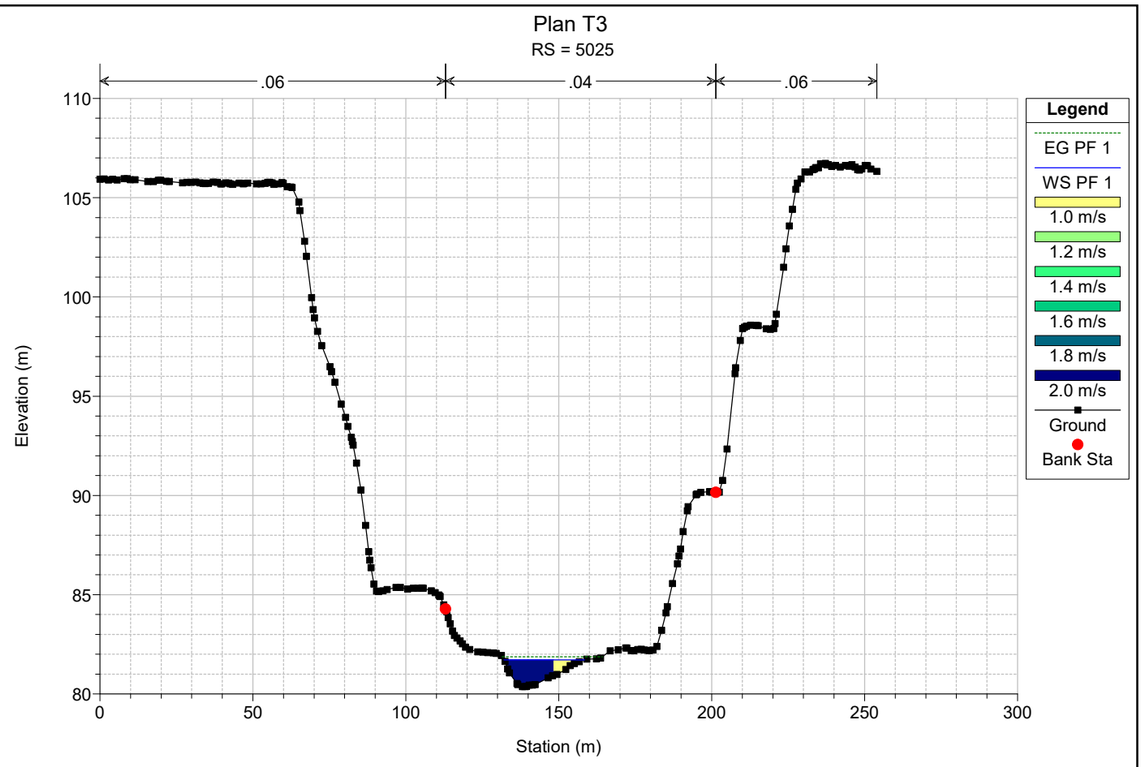

Plan T3
RS = 5231
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Bank Sta

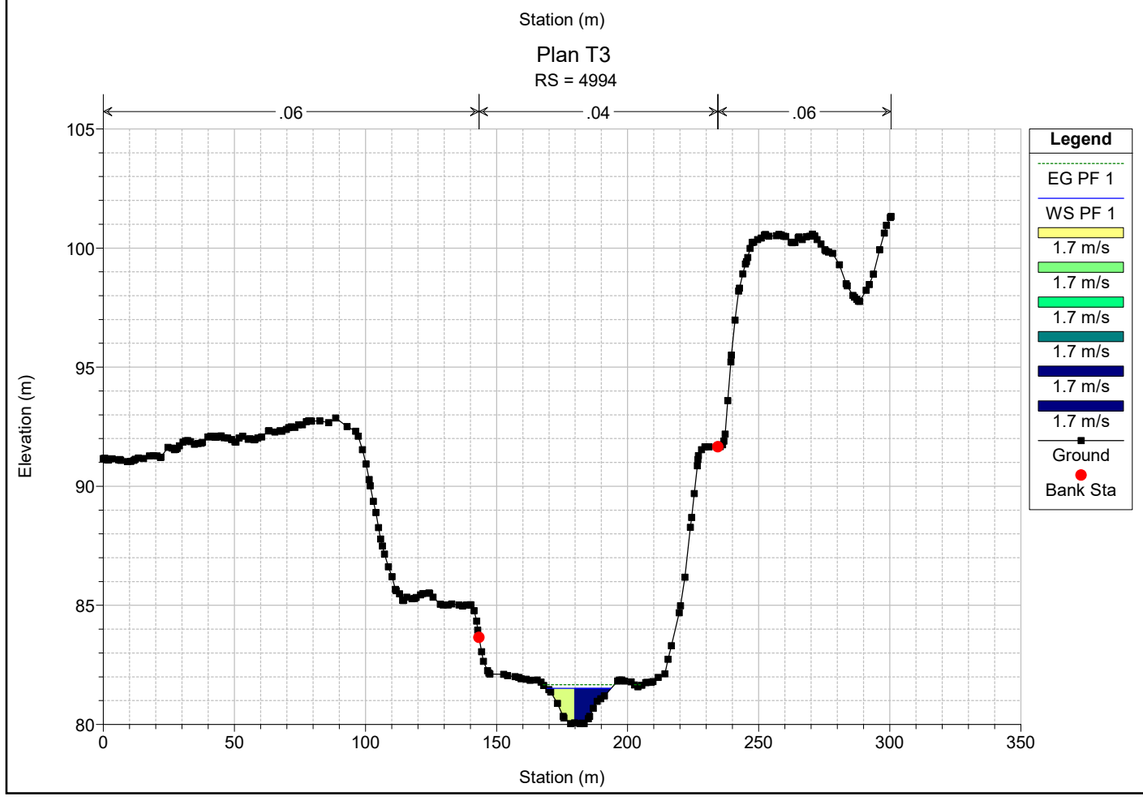

Plan T3
RS = 5201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

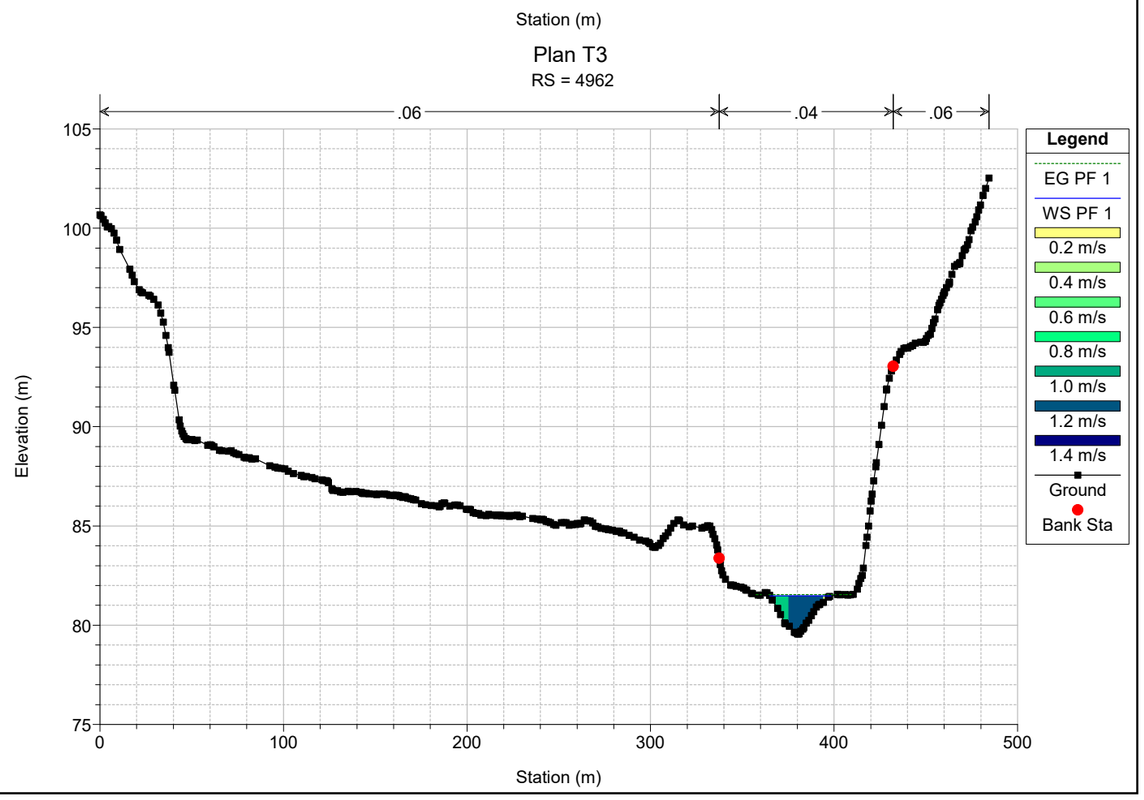

Plan T3
RS = 5172
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Bank Sta

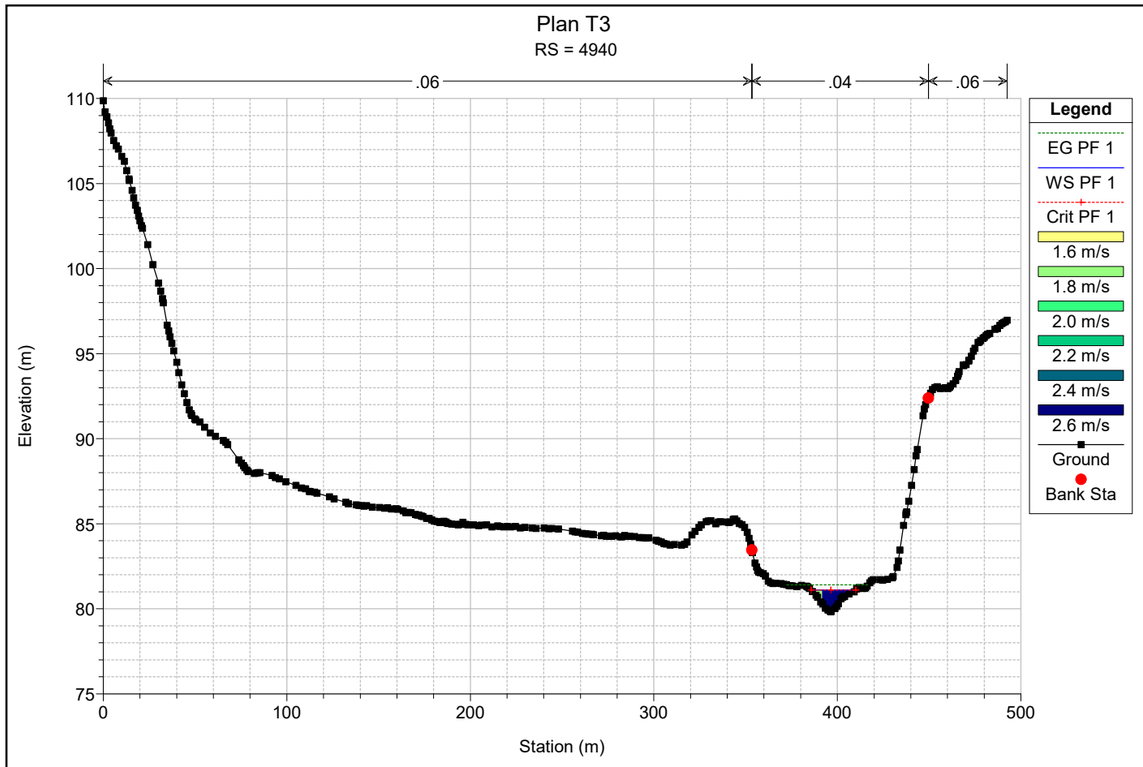

Plan T3
RS = 5136
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.9 m/s
1.9 m/s
1.9 m/s
1.9 m/s
1.9 m/s
2.0 m/s
2.0 m/s
2.0 m/s
Ground
Bank Sta

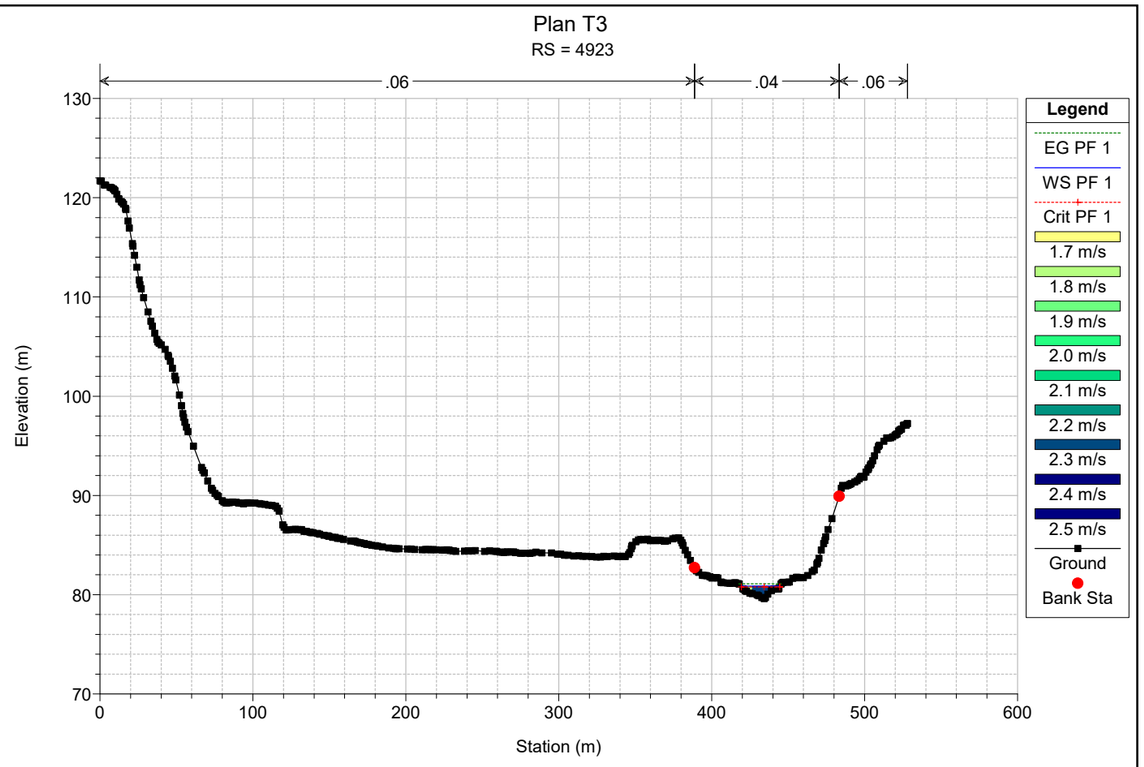

Plan T3
RS = 5071
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

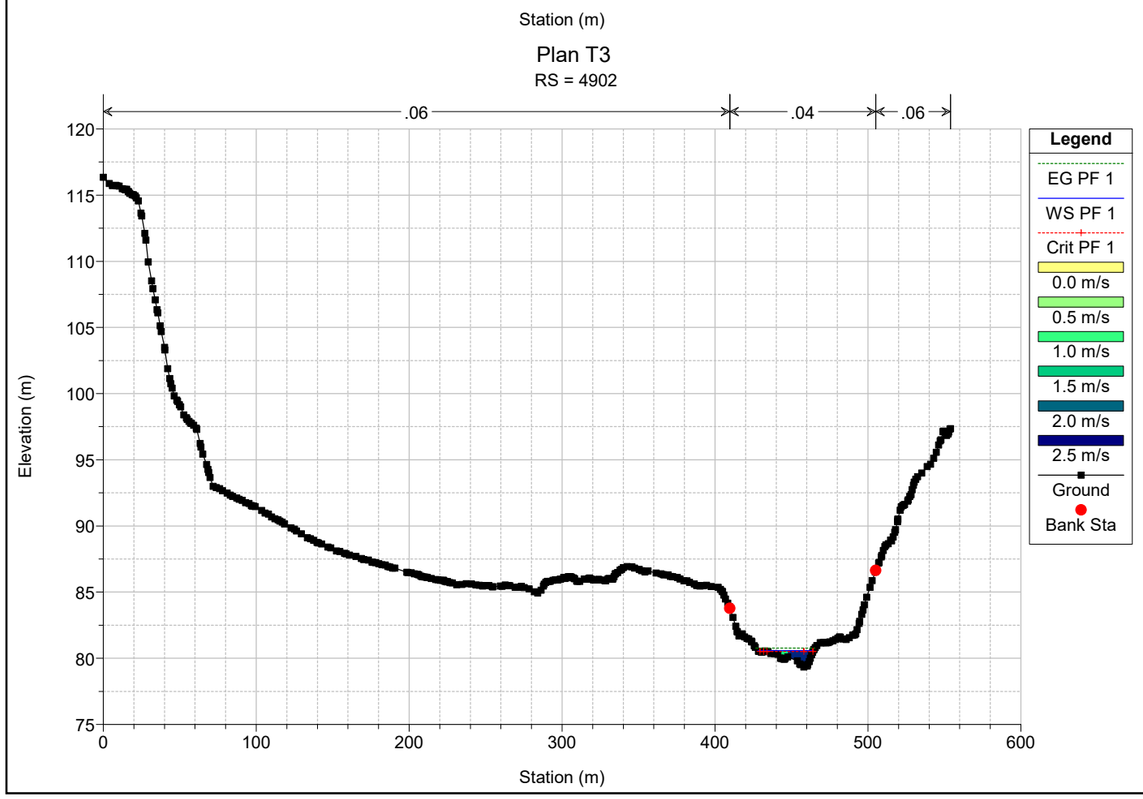

Plan T3
RS = 5025
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

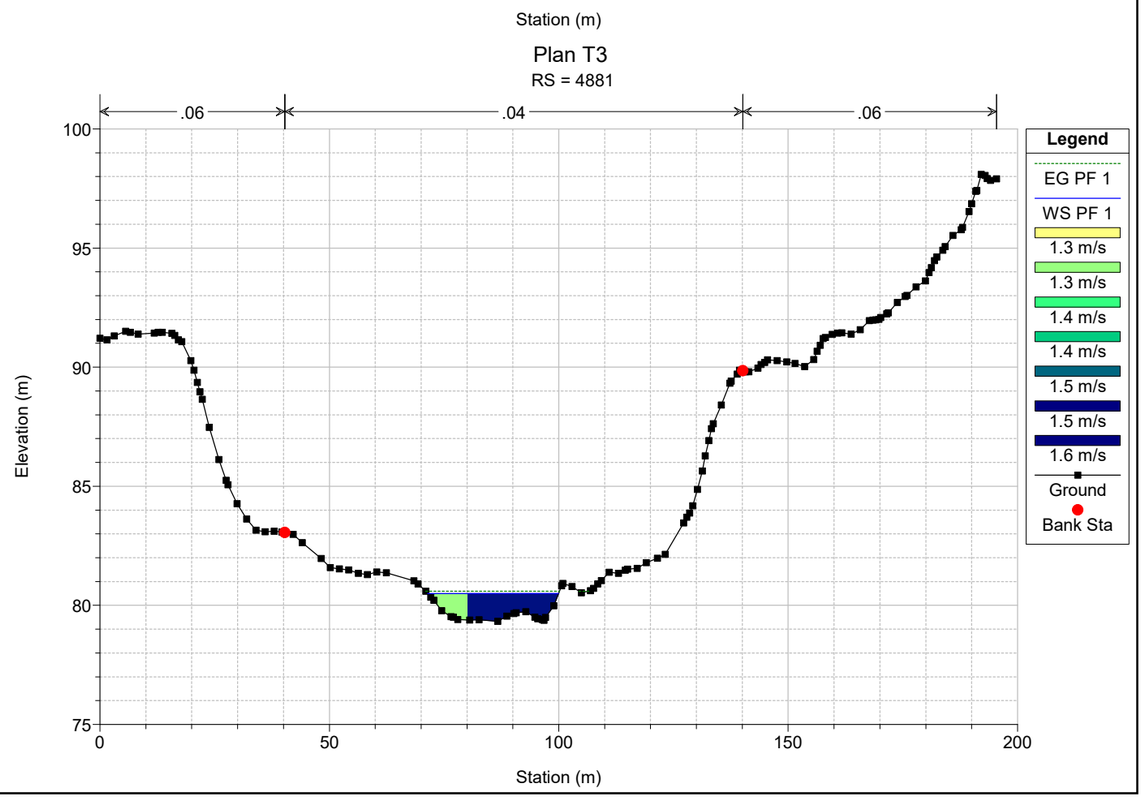

Plan T3
RS = 4994
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.7 m/s
1.7 m/s
1.7 m/s
1.7 m/s
1.7 m/s
1.7 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

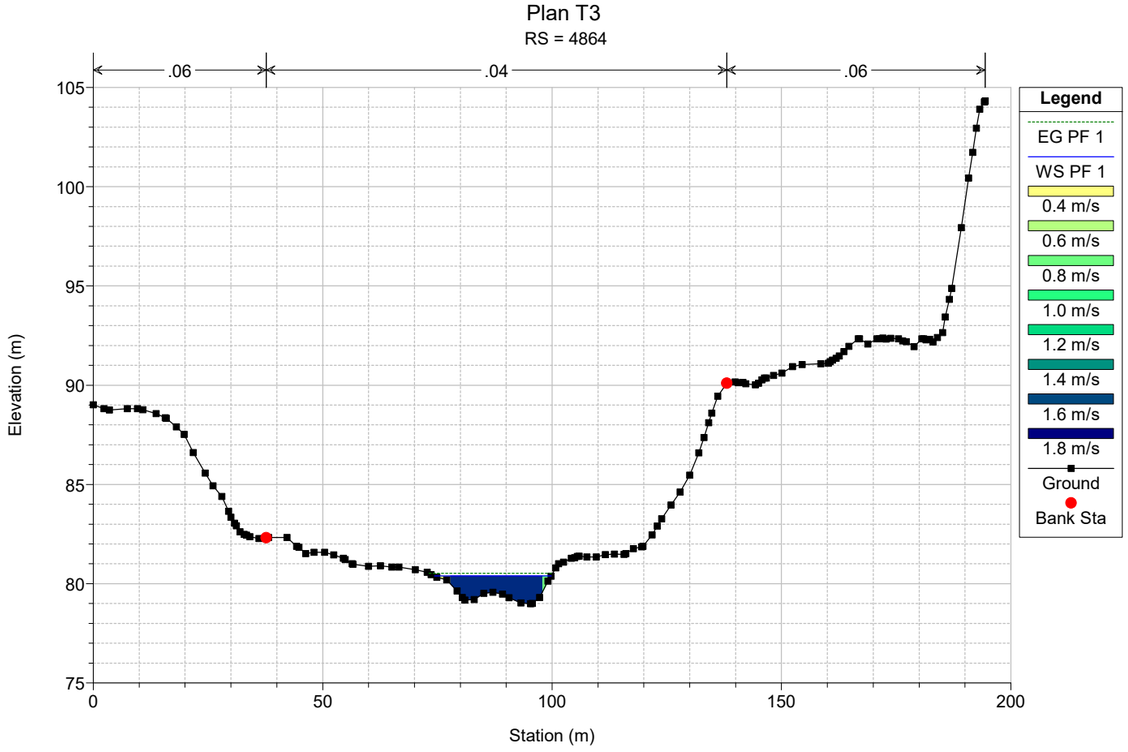

Plan T3
RS = 4962
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

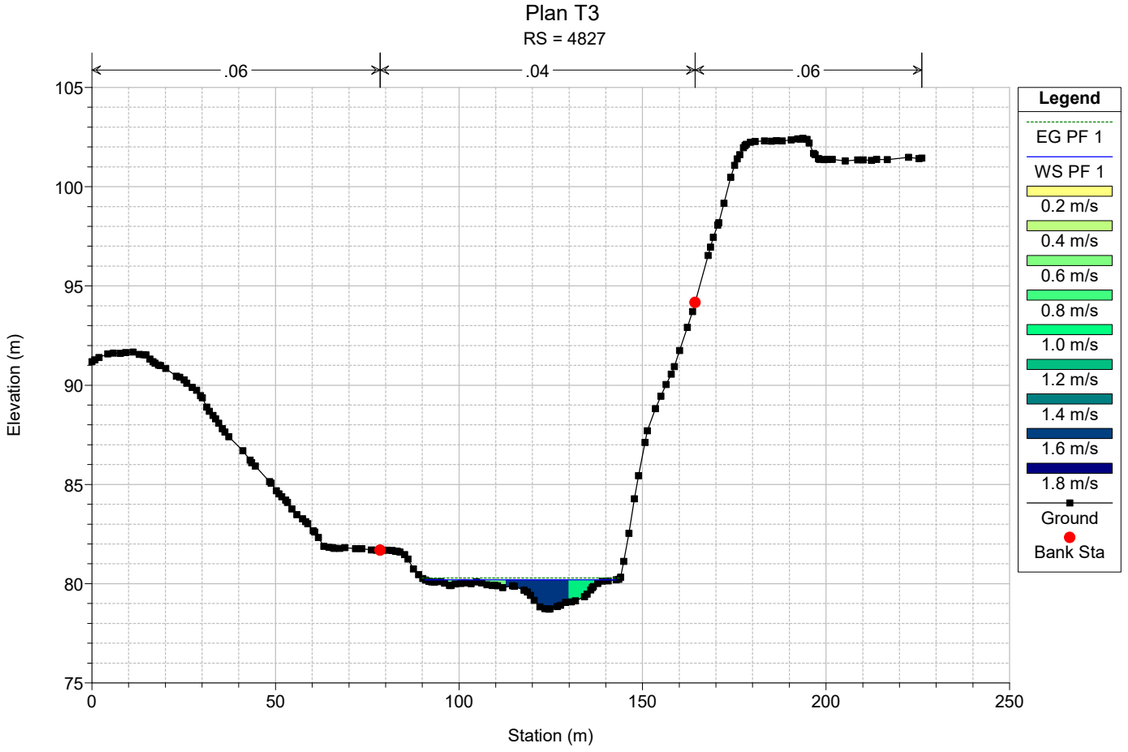

Plan T3
RS = 4940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Bank Sta

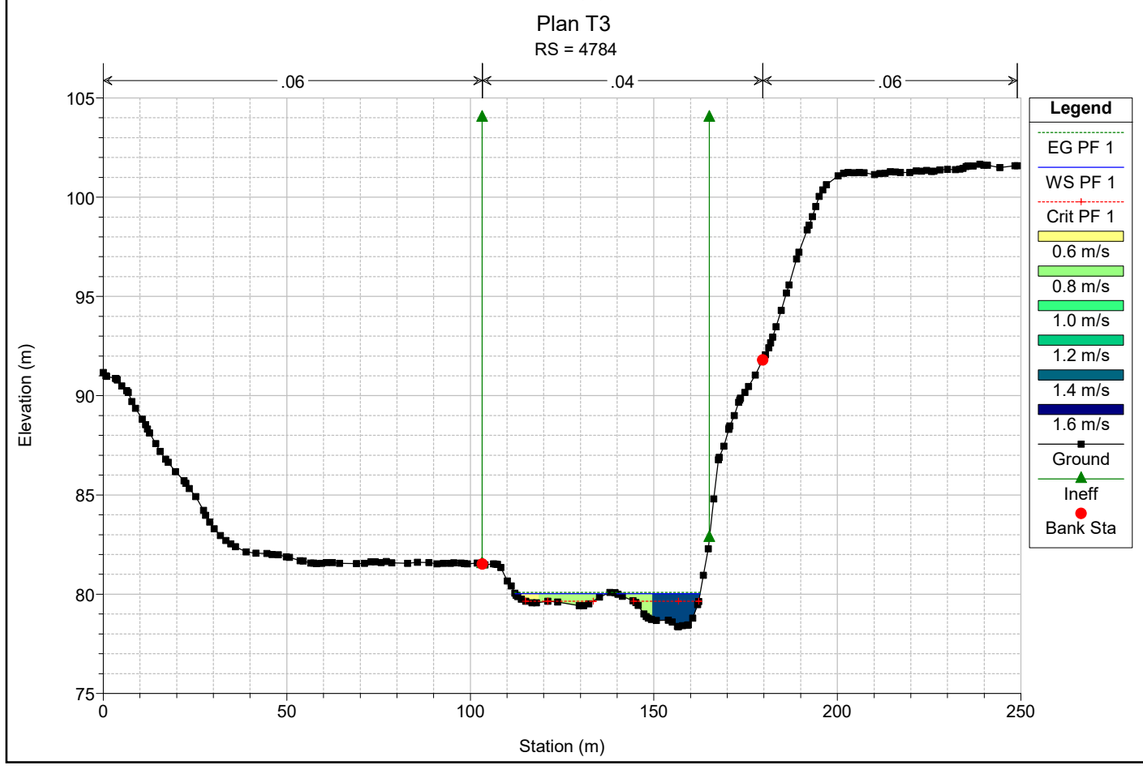

Plan T3
RS = 4923
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.7 m/s
1.8 m/s
1.9 m/s
2.0 m/s
2.1 m/s
2.2 m/s
2.3 m/s
2.4 m/s
2.5 m/s
Ground
Bank Sta

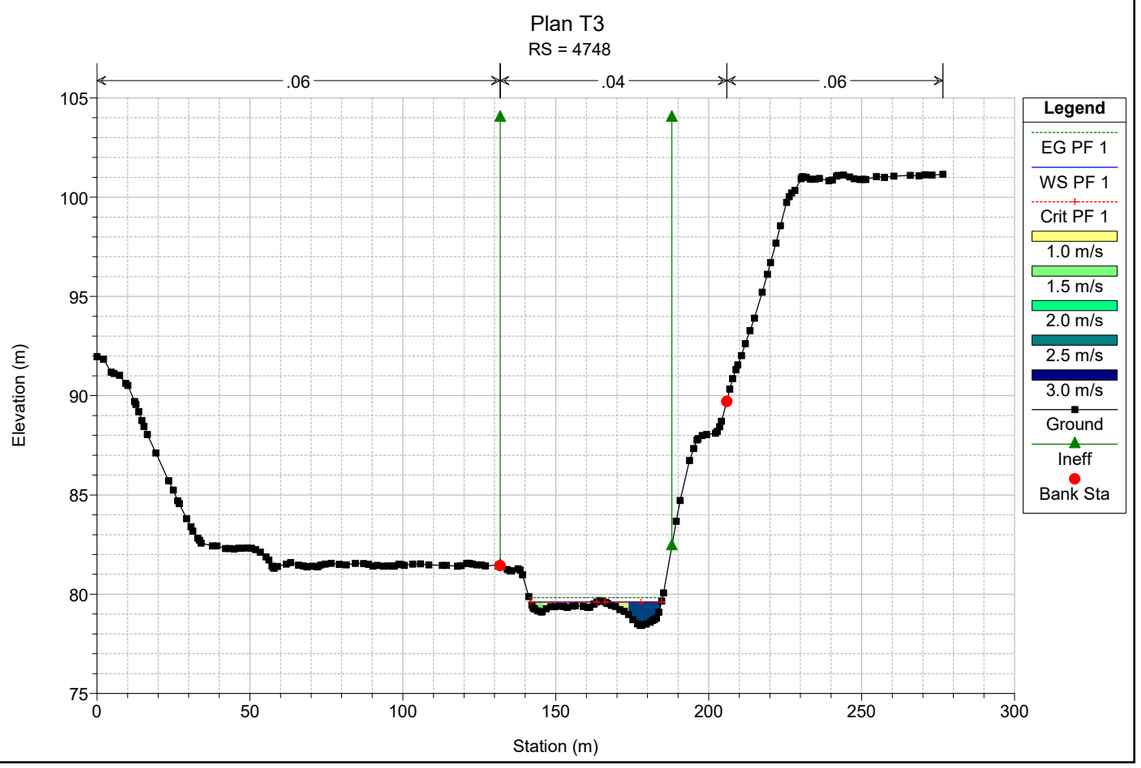

Plan T3
RS = 4902
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

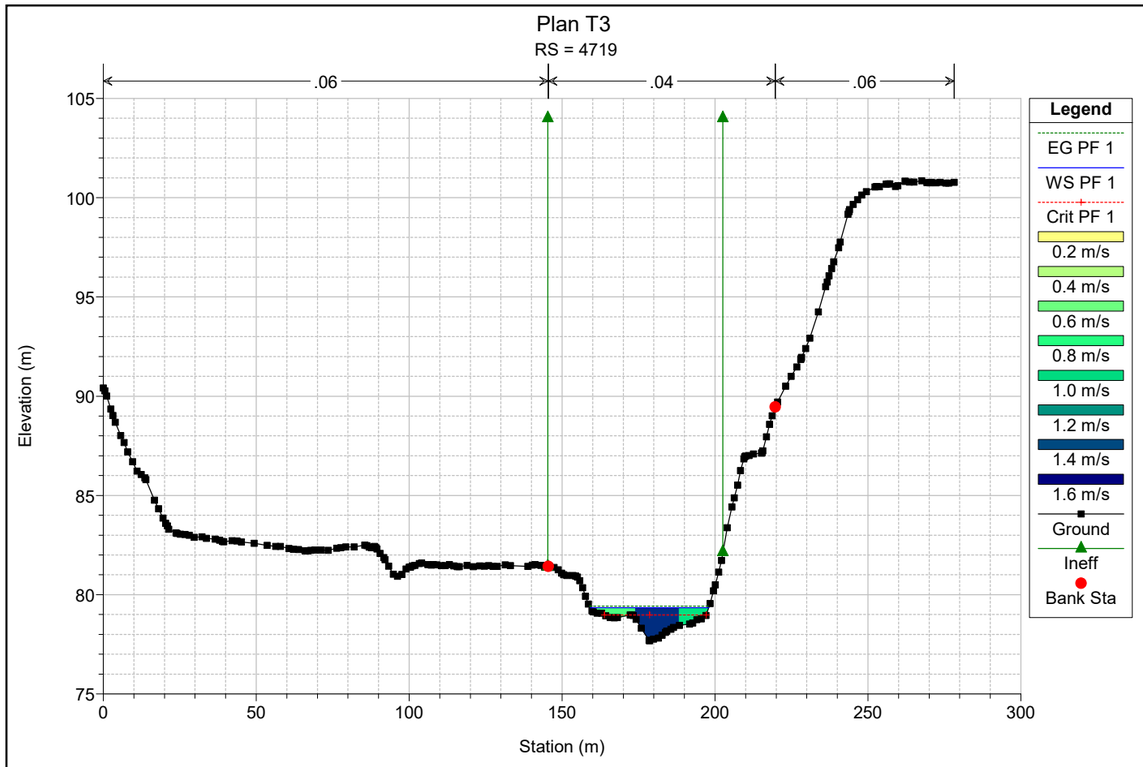

Plan T3
RS = 4881
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.3 m/s
1.3 m/s
1.4 m/s
1.4 m/s
1.5 m/s
1.5 m/s
1.6 m/s
Ground
Bank Sta

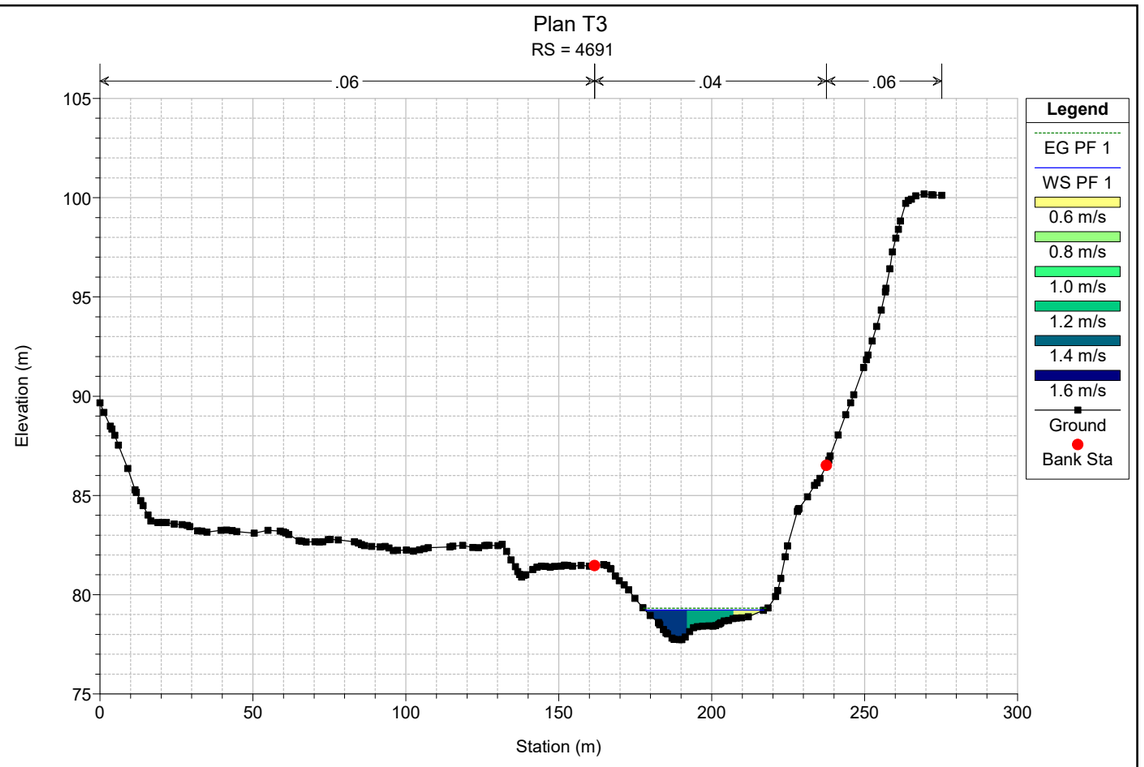

Plan T3
RS = 4864
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

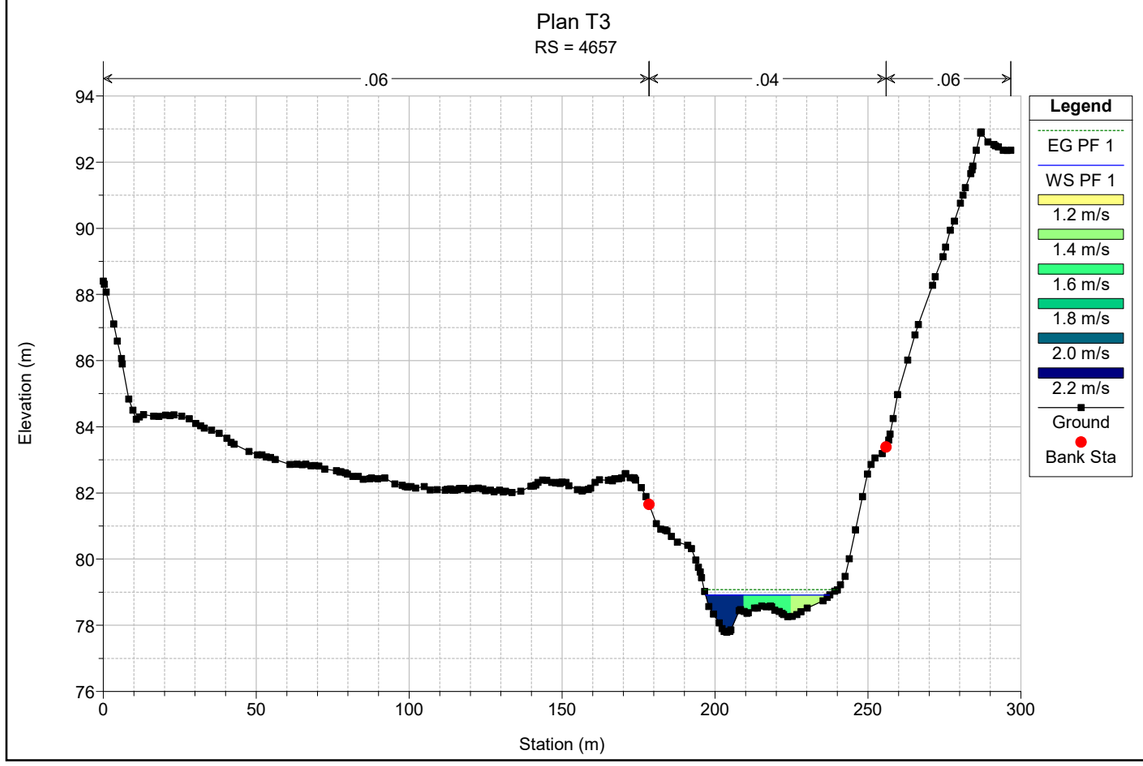

Plan T3
RS = 4827
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

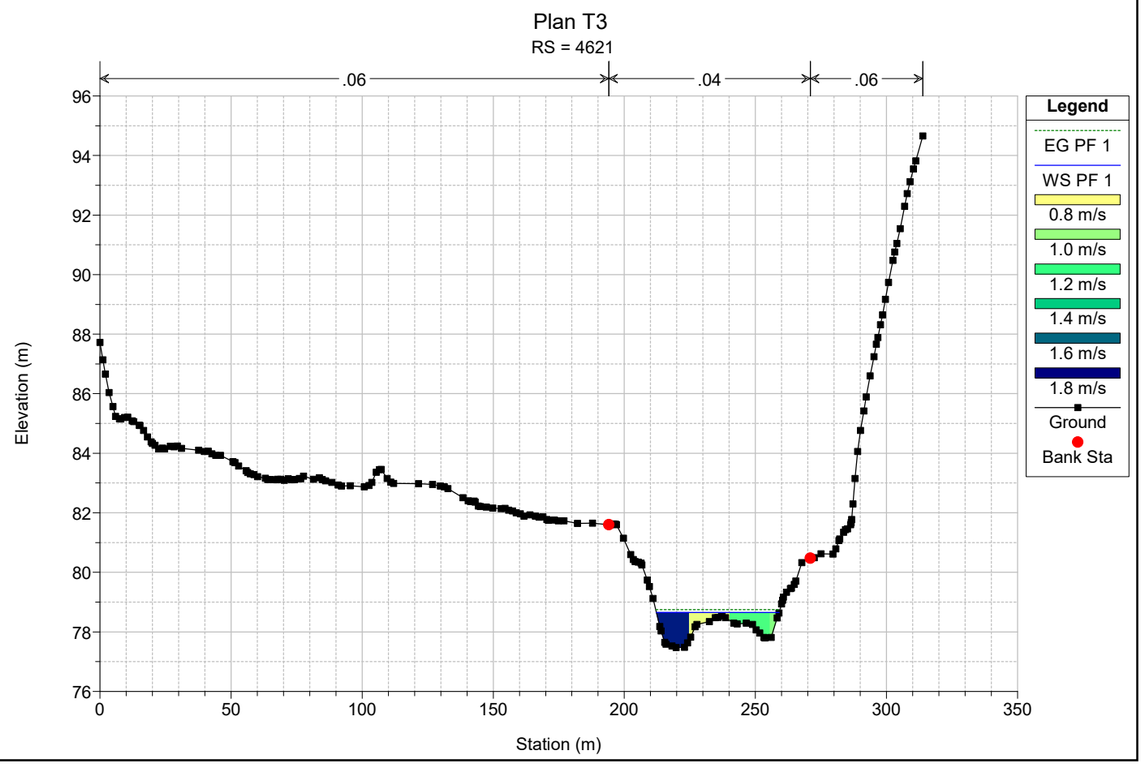

Plan T3
RS = 4784
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

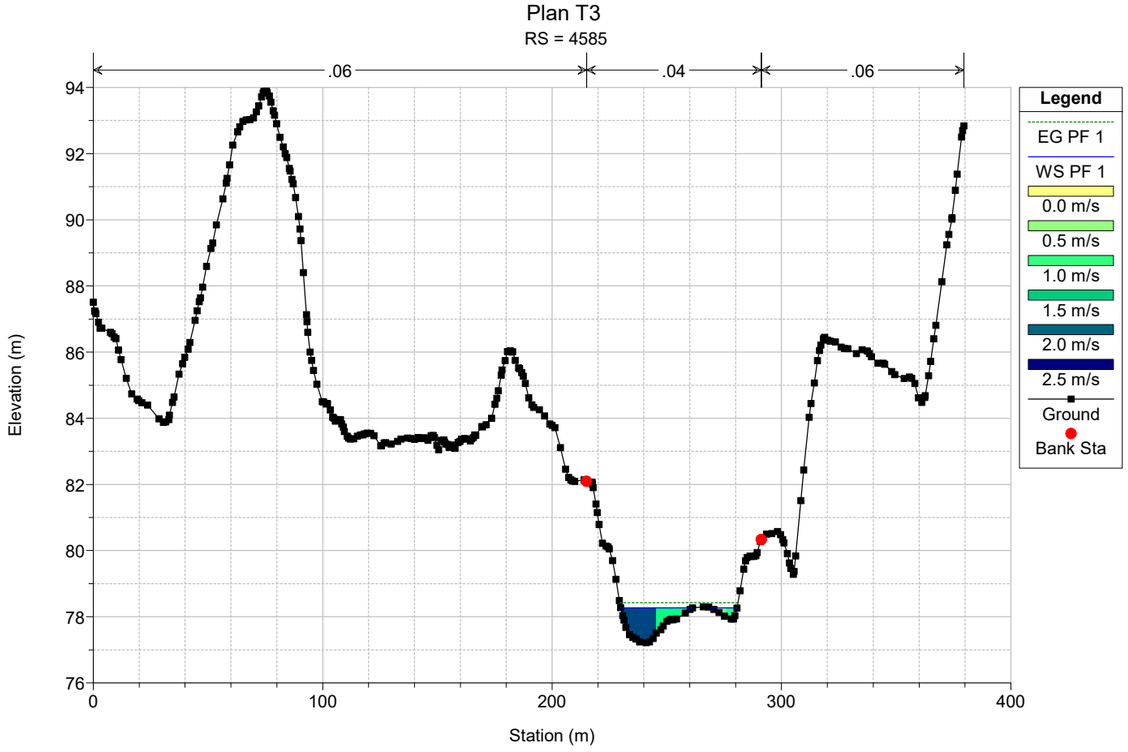

Plan T3
RS = 4748
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

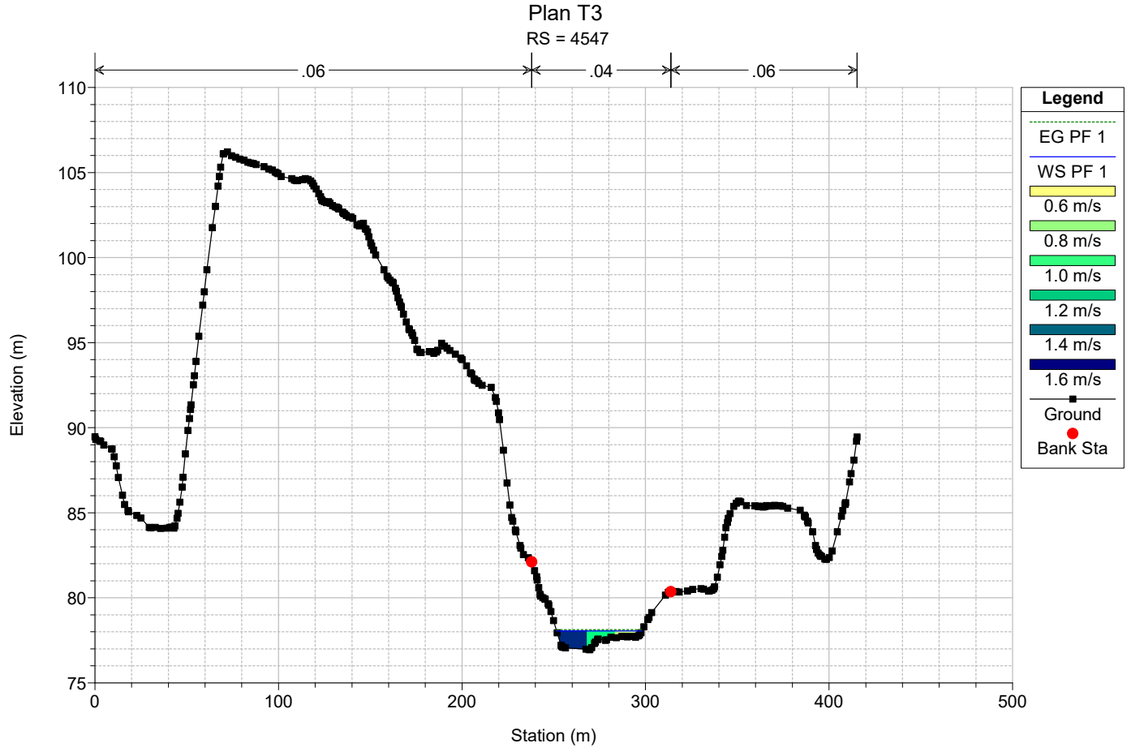

Plan T3
RS = 4719
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

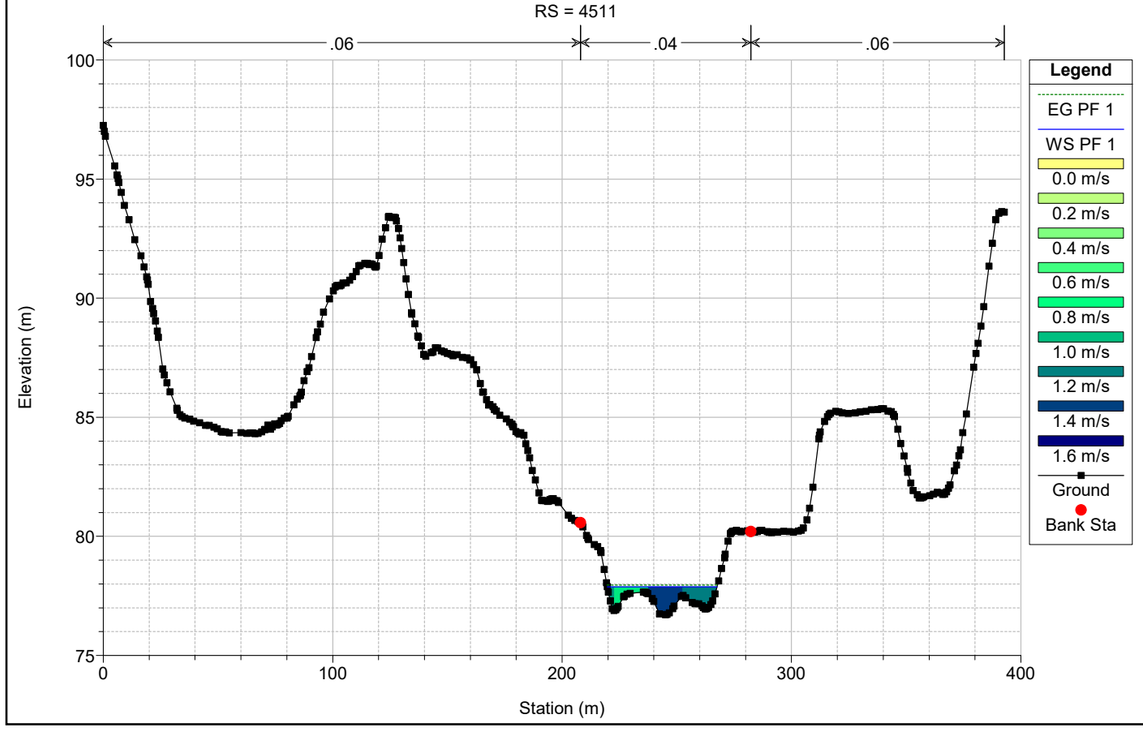

Plan T3
RS = 4691
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

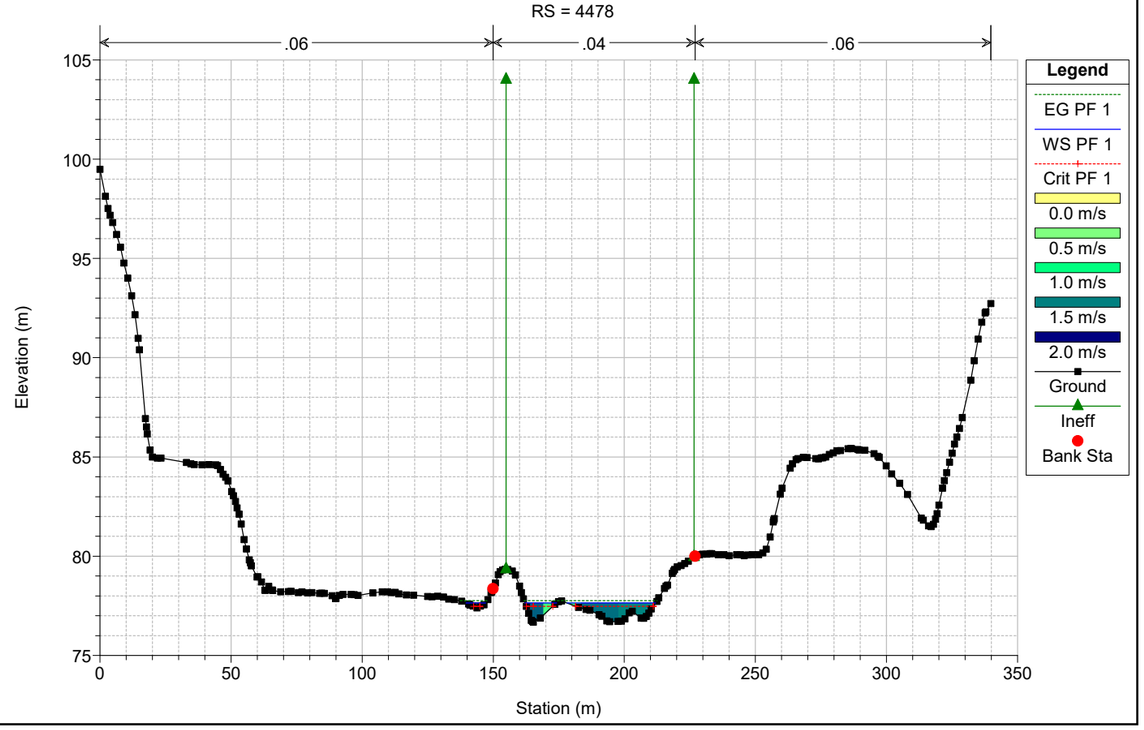

Plan T3
RS = 4657
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
Ground
Bank Sta

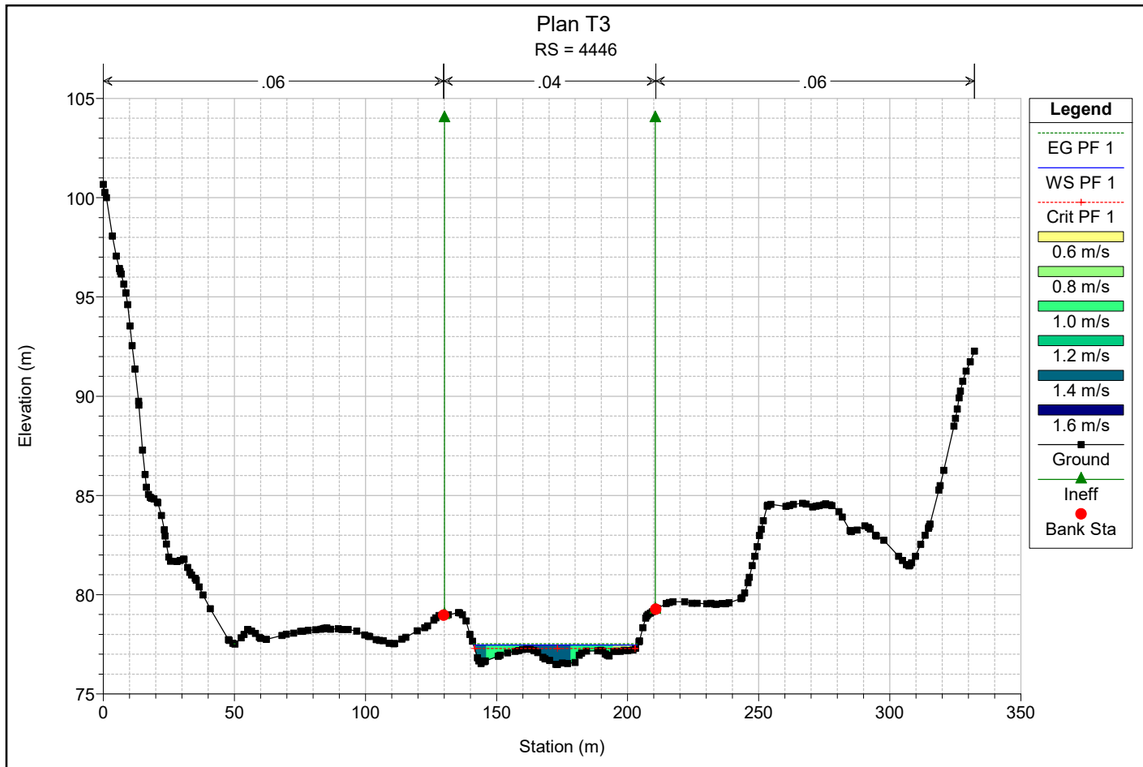

Plan T3
RS = 4621
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

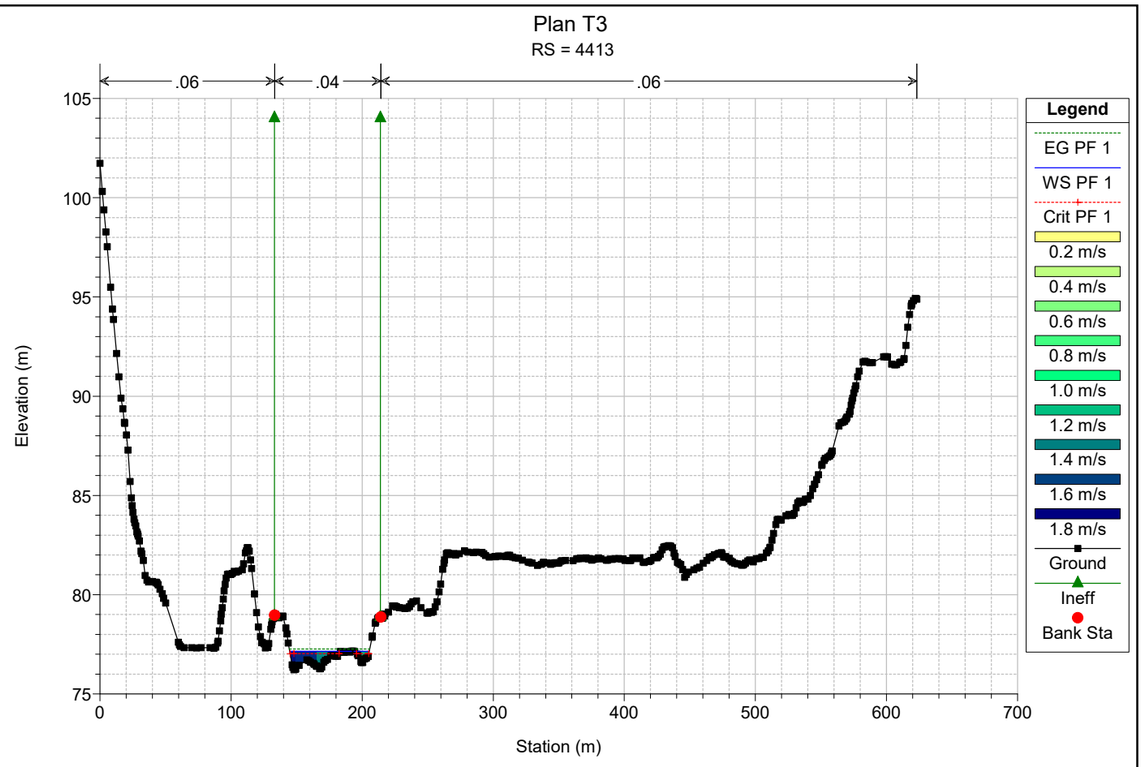

Plan T3
RS = 4585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

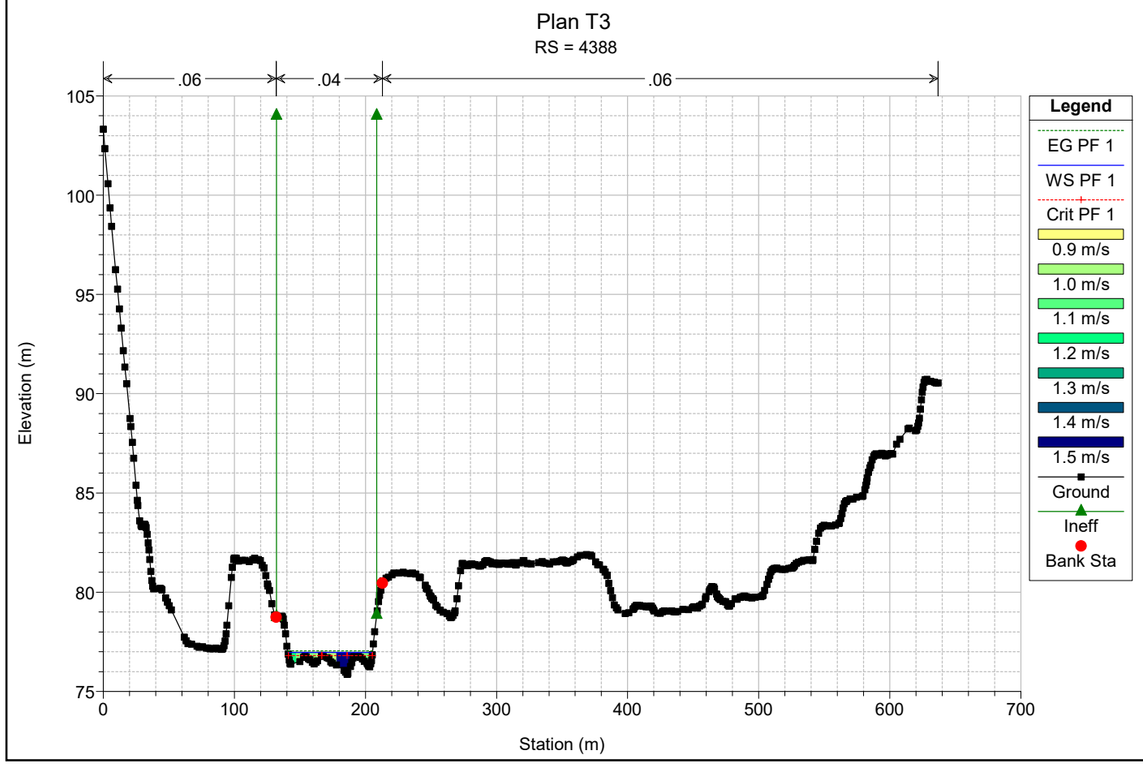

Plan T3
RS = 4547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

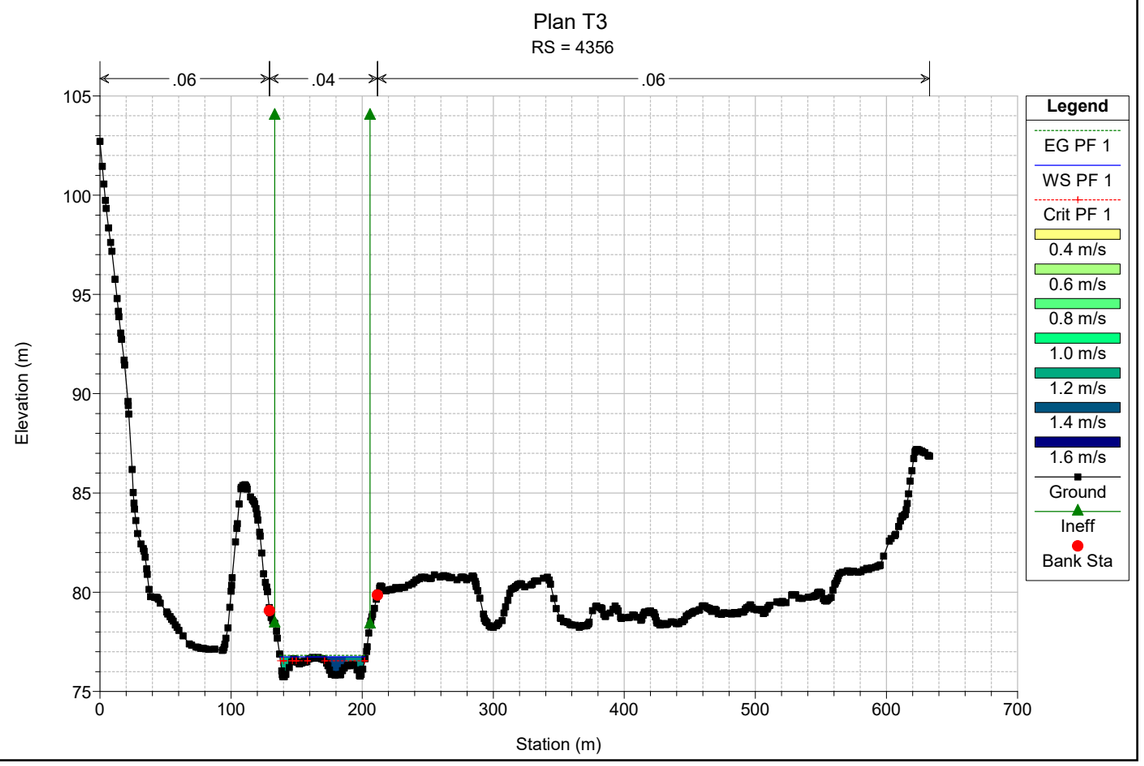

Plan T3
RS = 4511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

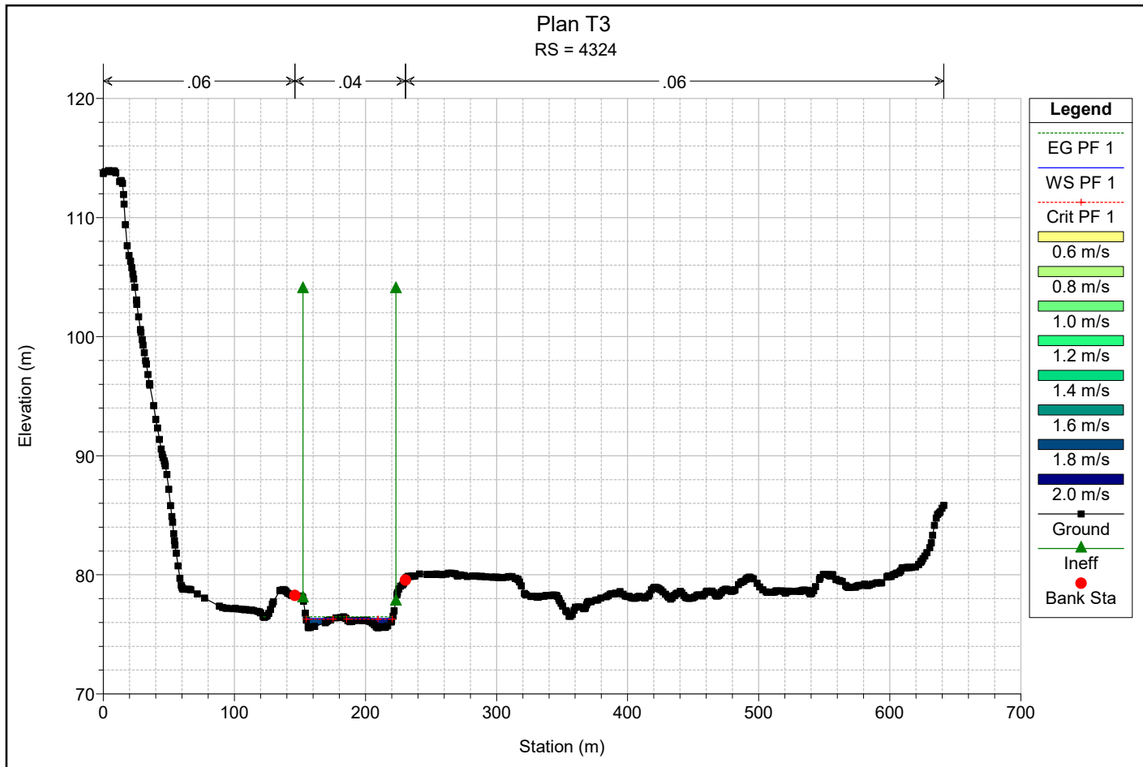

Plan T3
RS = 4478
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

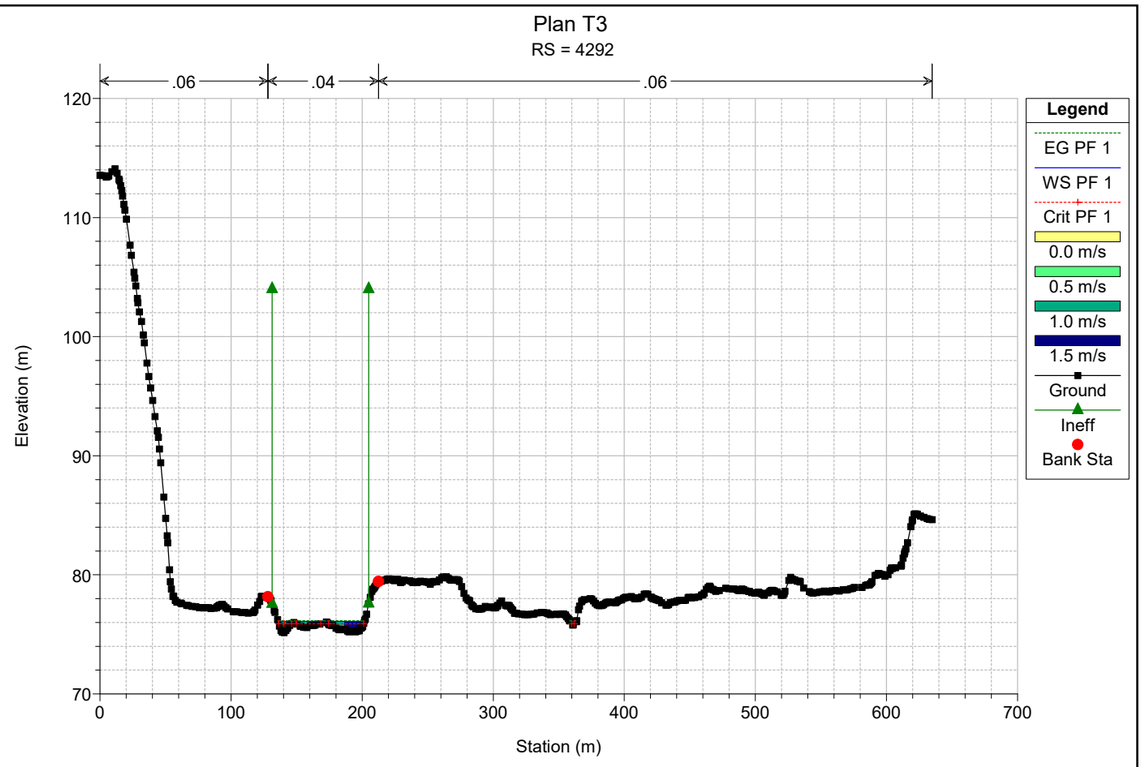

Plan T3
RS = 4446
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

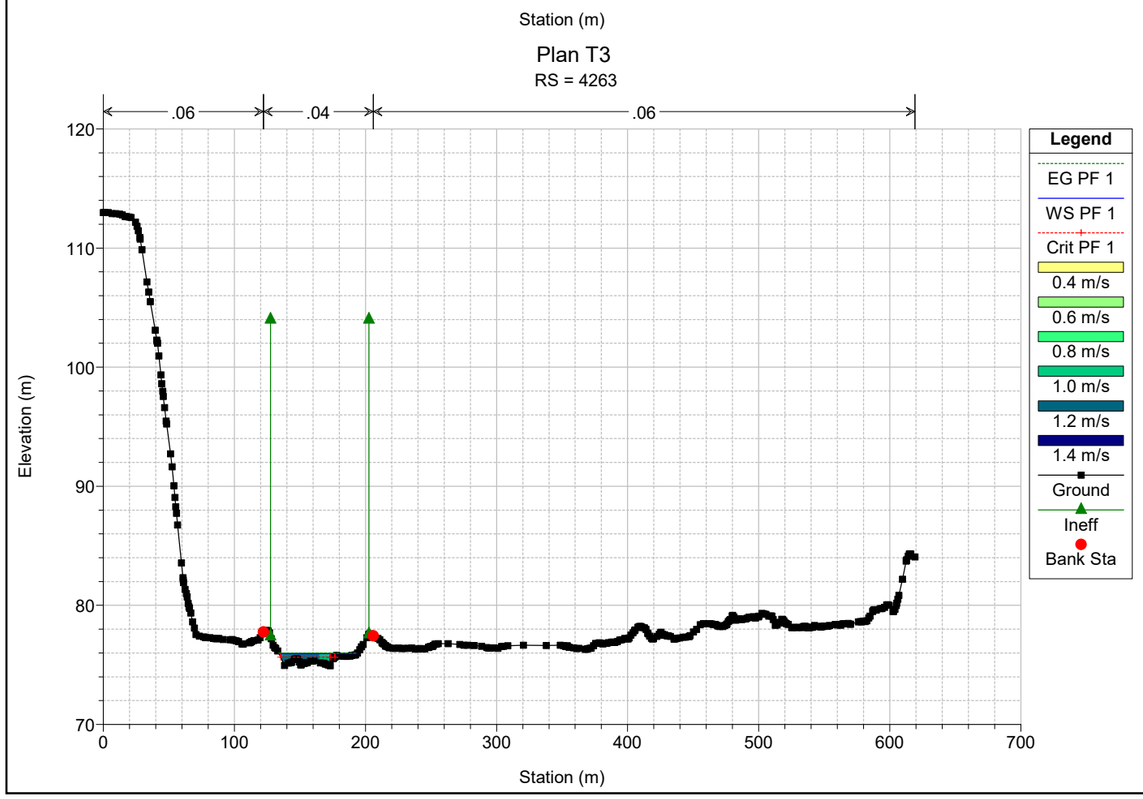

Plan T3
RS = 4413
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

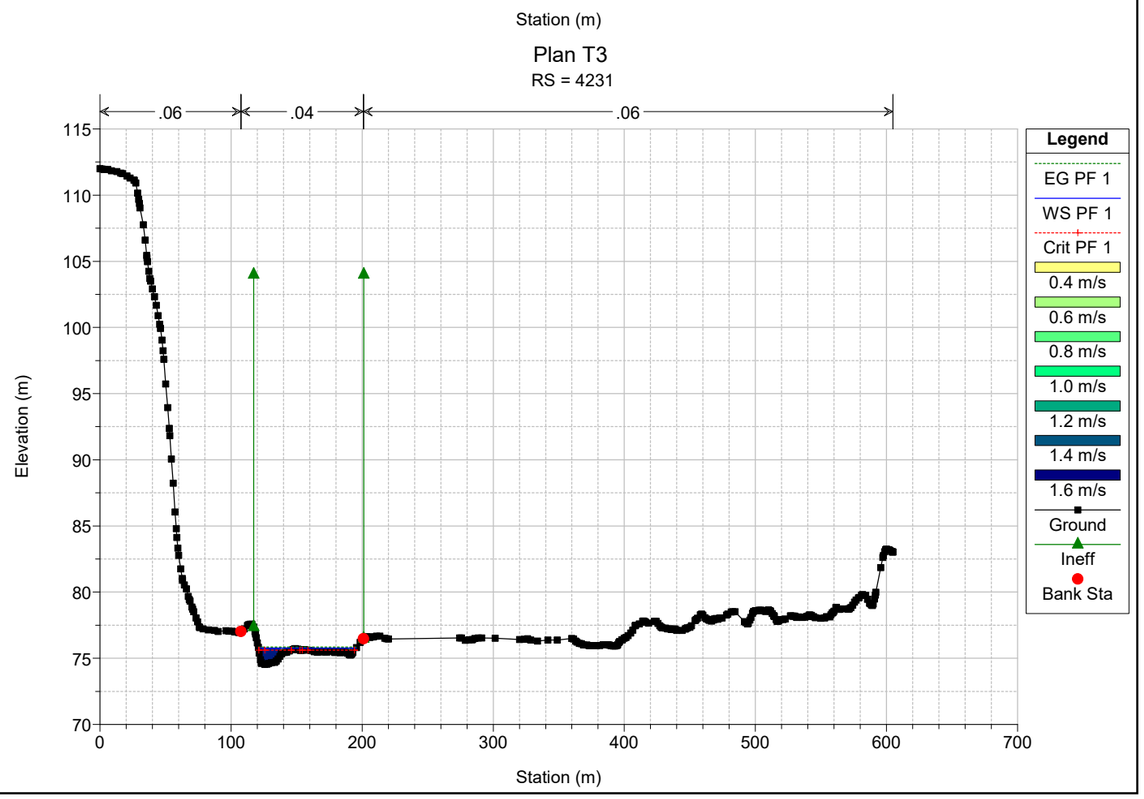

Plan T3
RS = 4388
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
1.4 m/s
1.5 m/s
Ground
Ineff
Bank Sta

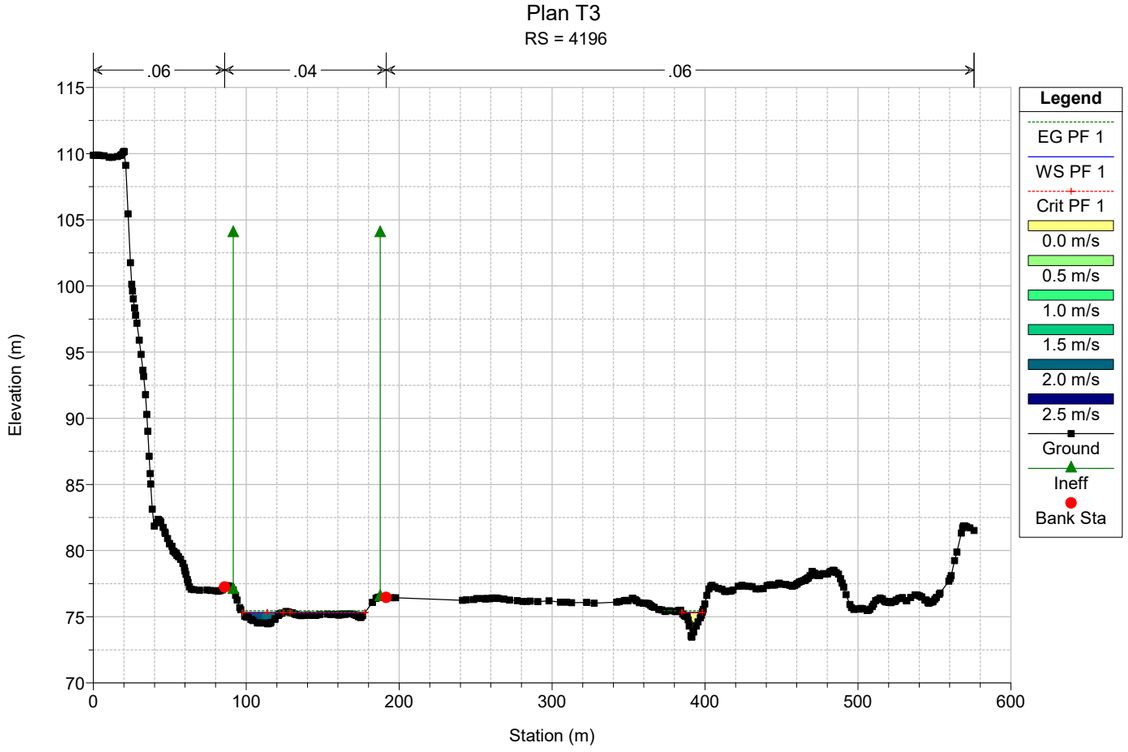

Plan T3
RS = 4356
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

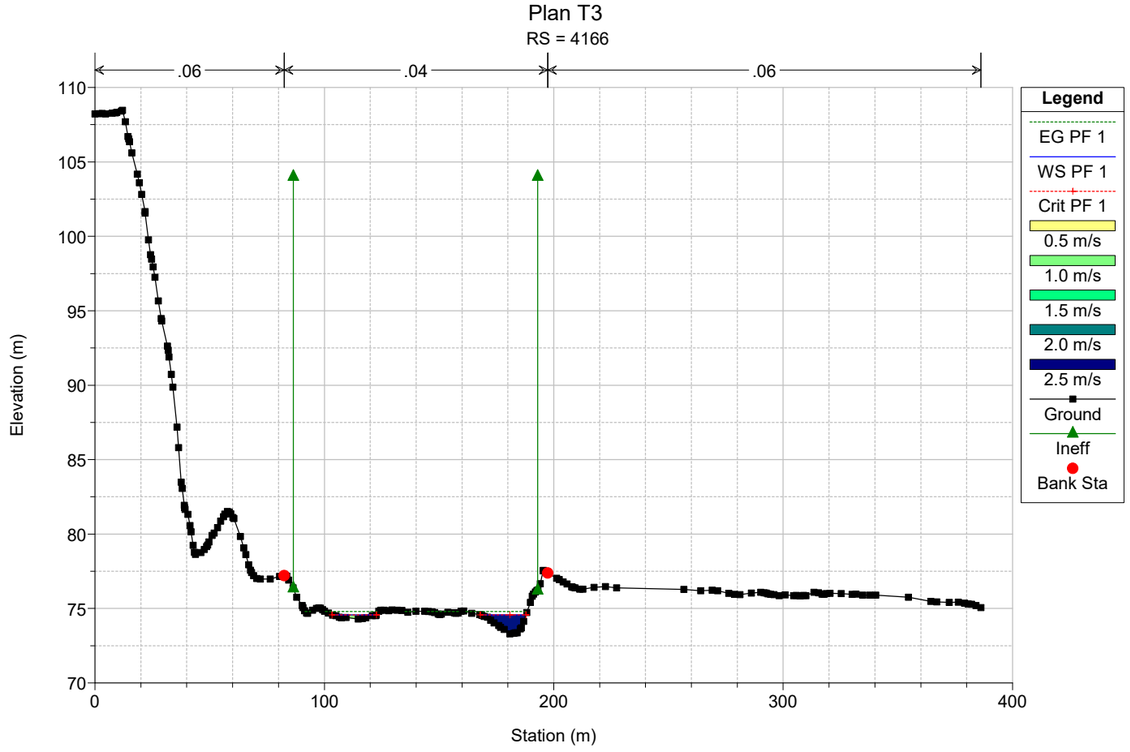

Plan T3
RS = 4324
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

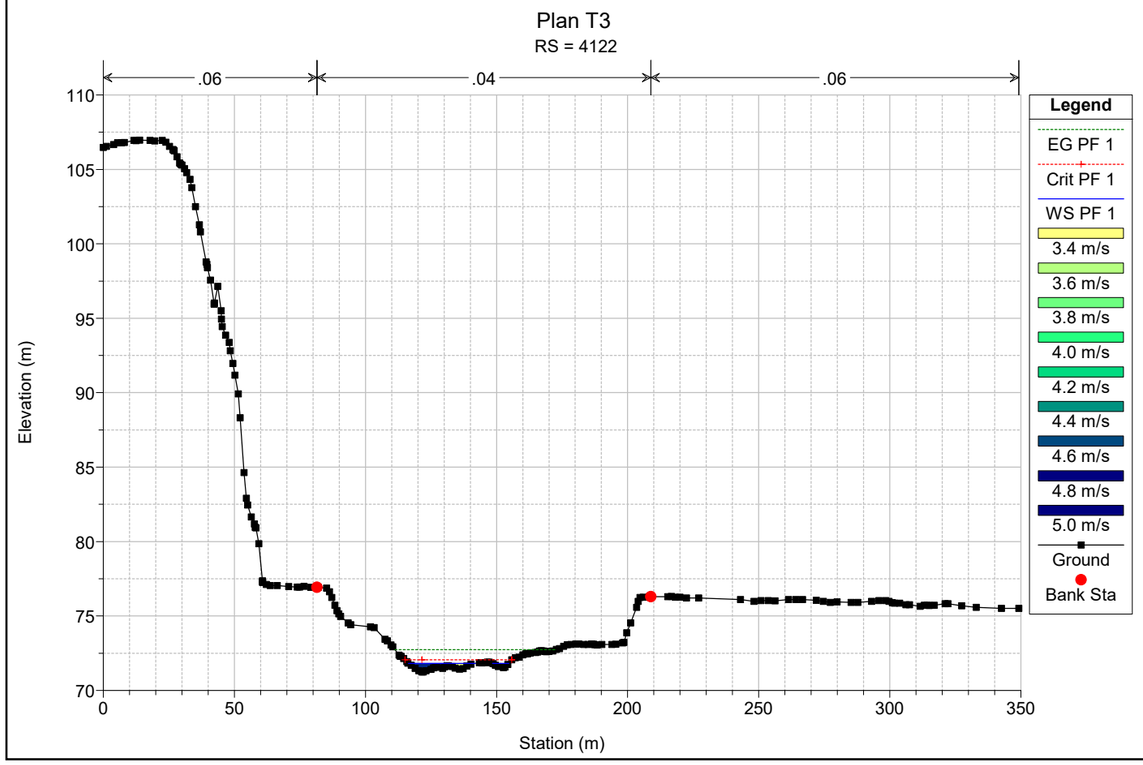

Plan T3
RS = 4292
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
Ground
Ineff
Bank Sta

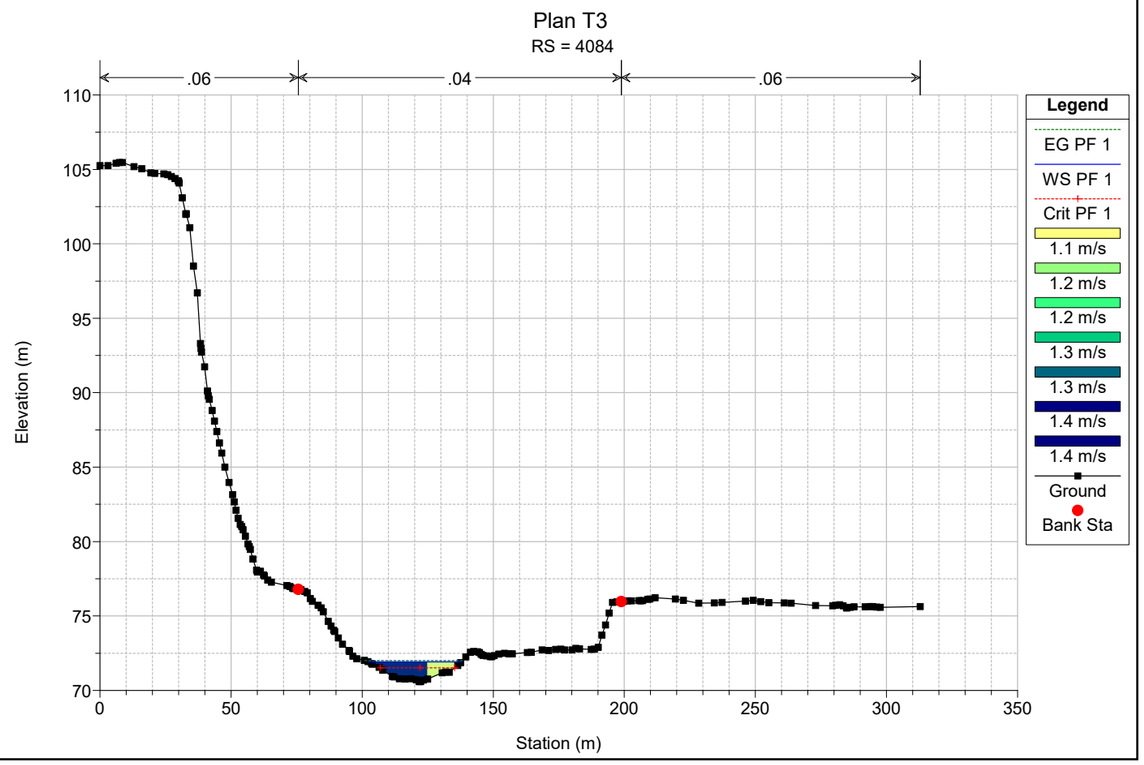

Plan T3
RS = 4263
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

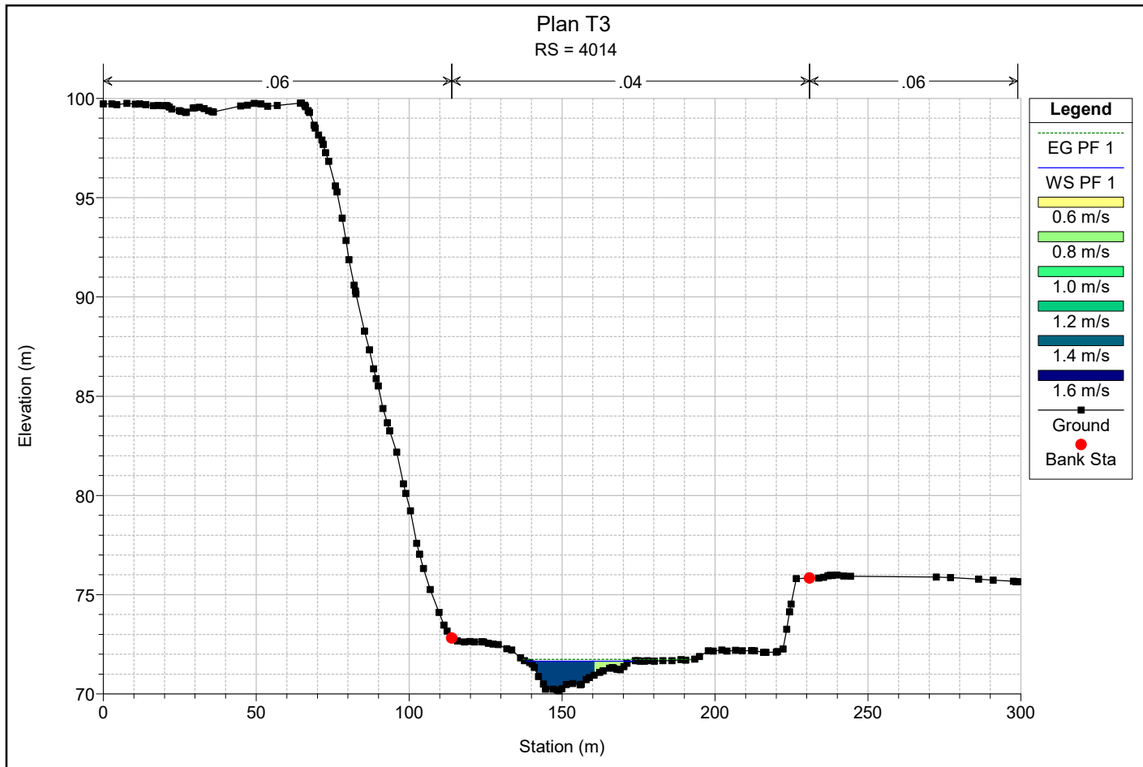

Plan T3
RS = 4231
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

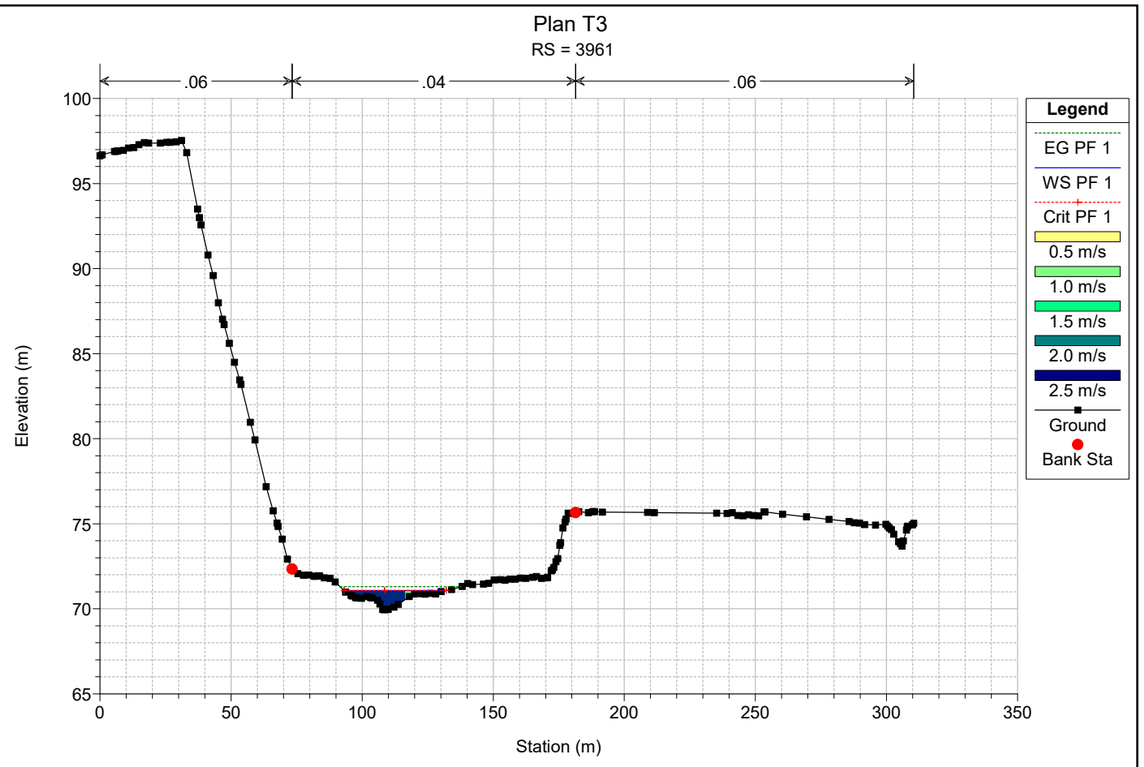

Plan T3
RS = 4196
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

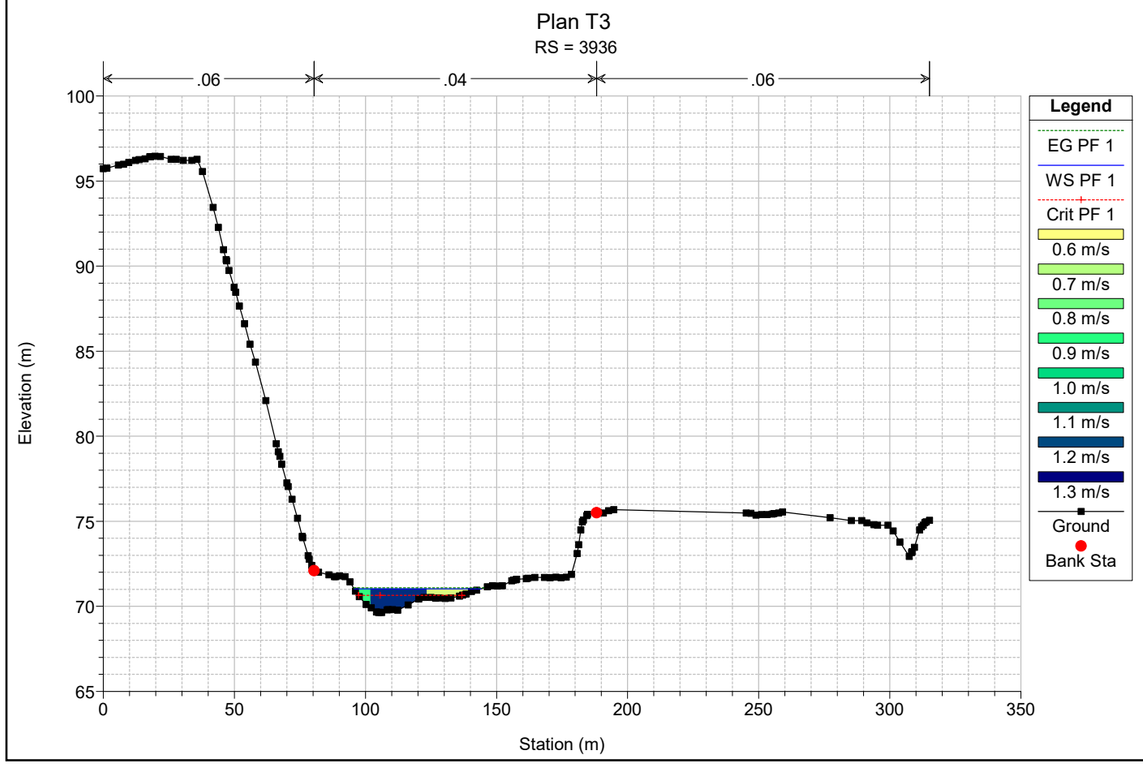

Plan T3
RS = 4166
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

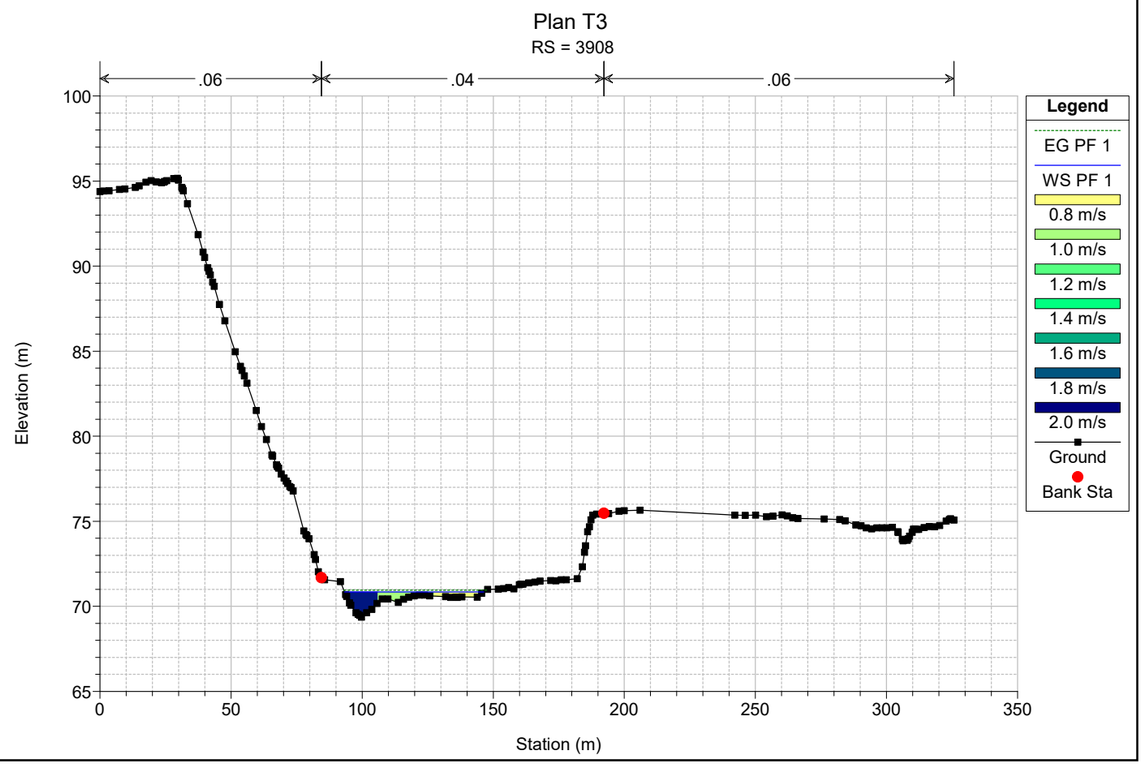

Plan T3
RS = 4122
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
3.4 m/s
3.6 m/s
3.8 m/s
4.0 m/s
4.2 m/s
4.4 m/s
4.6 m/s
4.8 m/s
5.0 m/s
Ground
Bank Sta

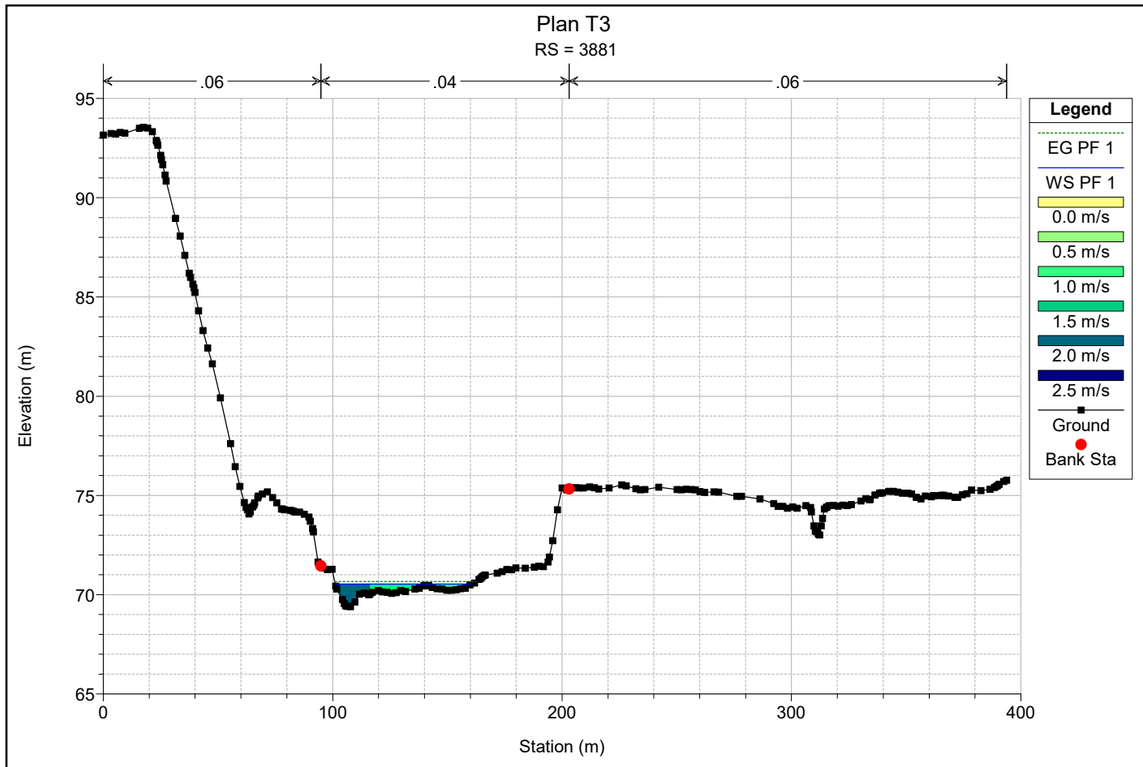

Plan T3
RS = 4084
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.1 m/s
1.2 m/s
1.2 m/s
1.3 m/s
1.3 m/s
1.4 m/s
1.4 m/s
Ground
Bank Sta

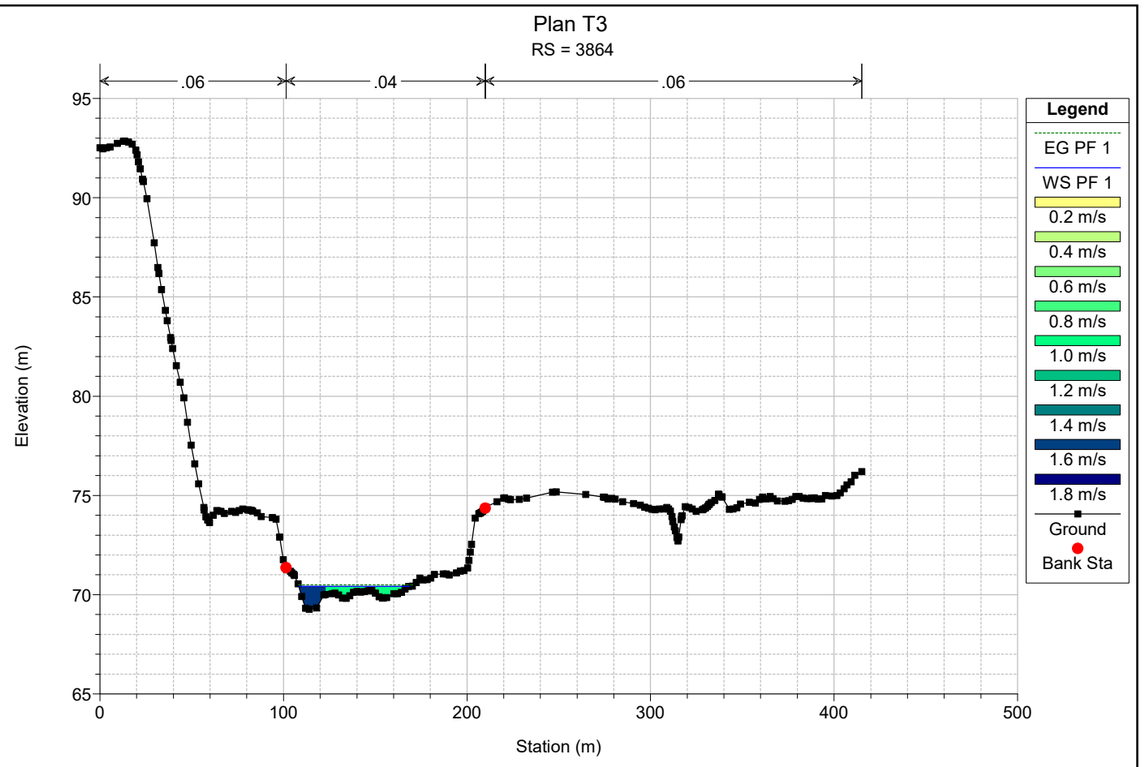

Plan T3
RS = 4014
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

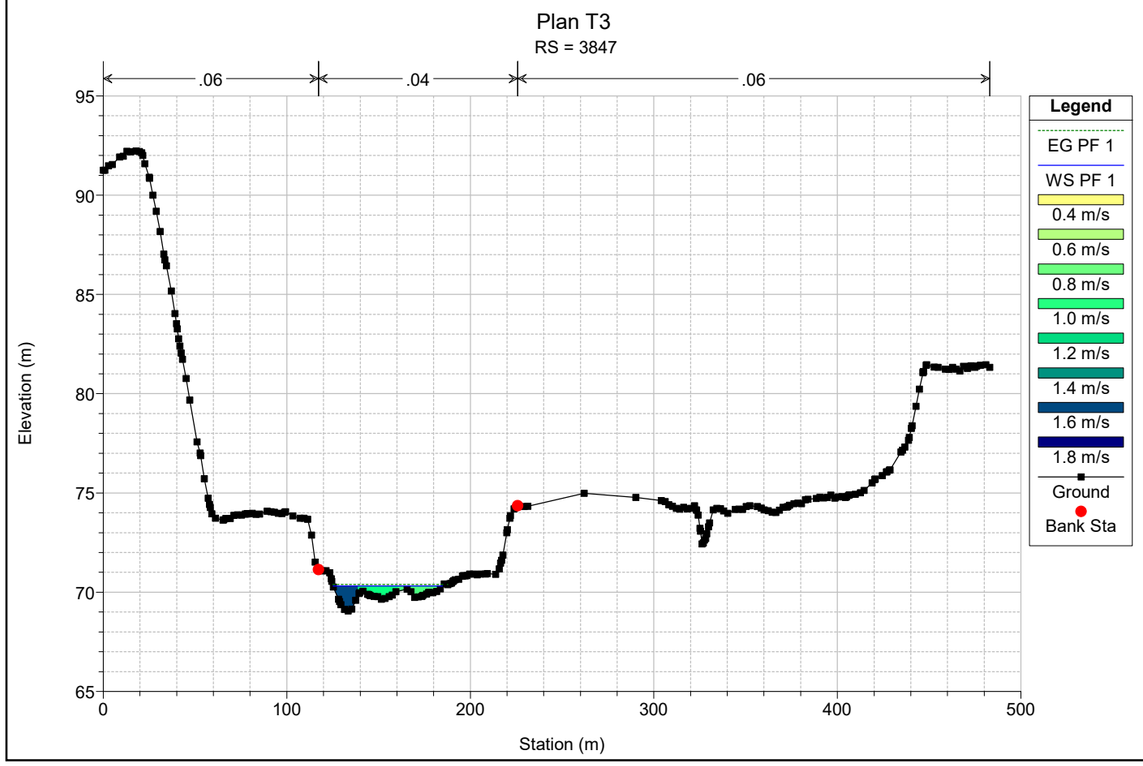

Plan T3
RS = 3961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

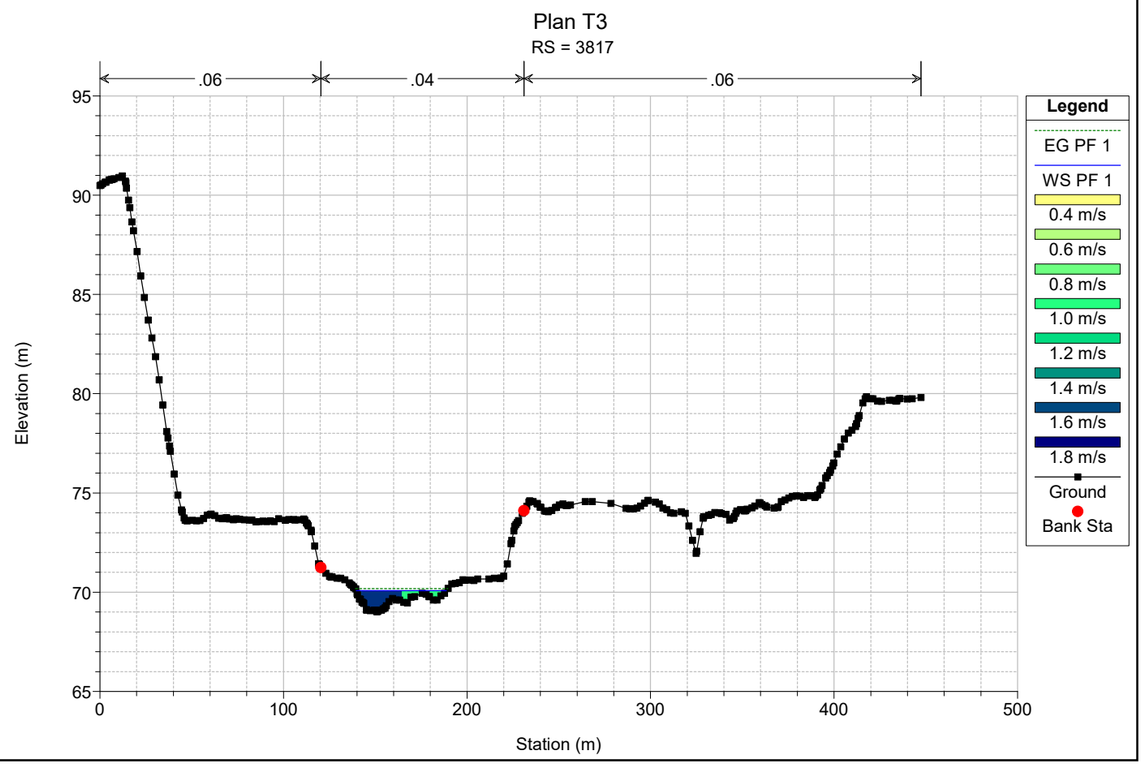

Plan T3
RS = 3936
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.7 m/s
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
1.2 m/s
1.3 m/s
Ground
Bank Sta

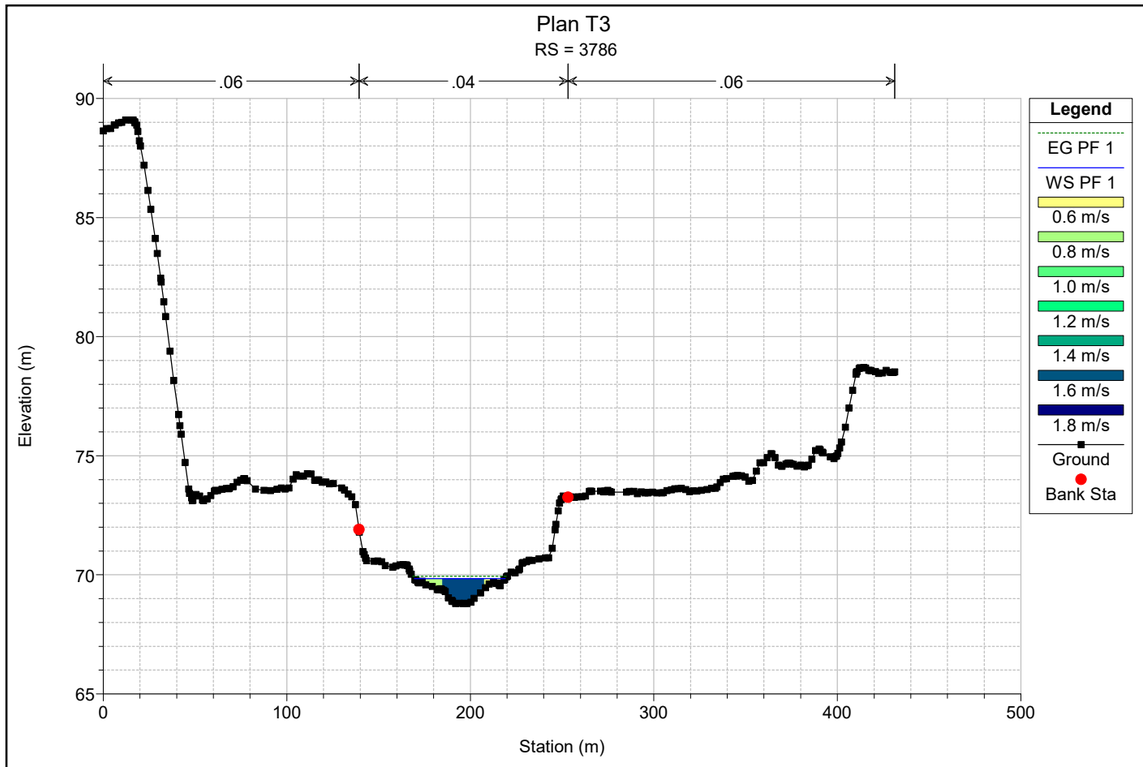

Plan T3
RS = 3908
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

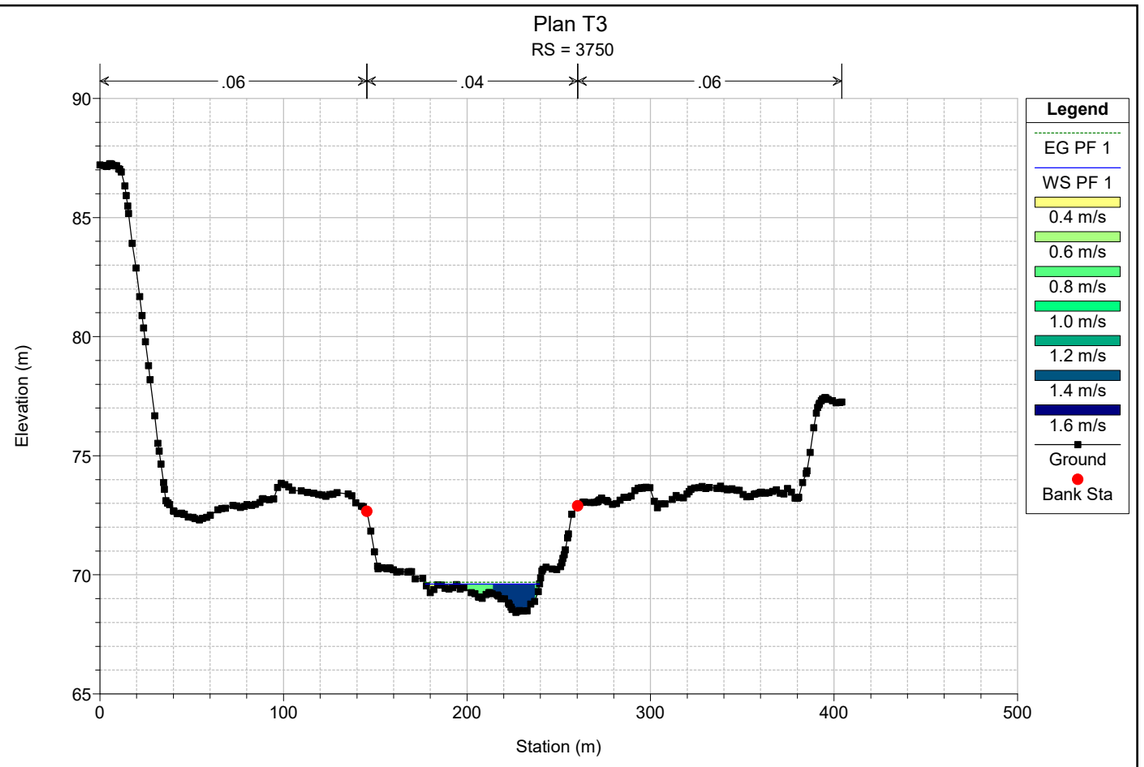

Plan T3
RS = 3881
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

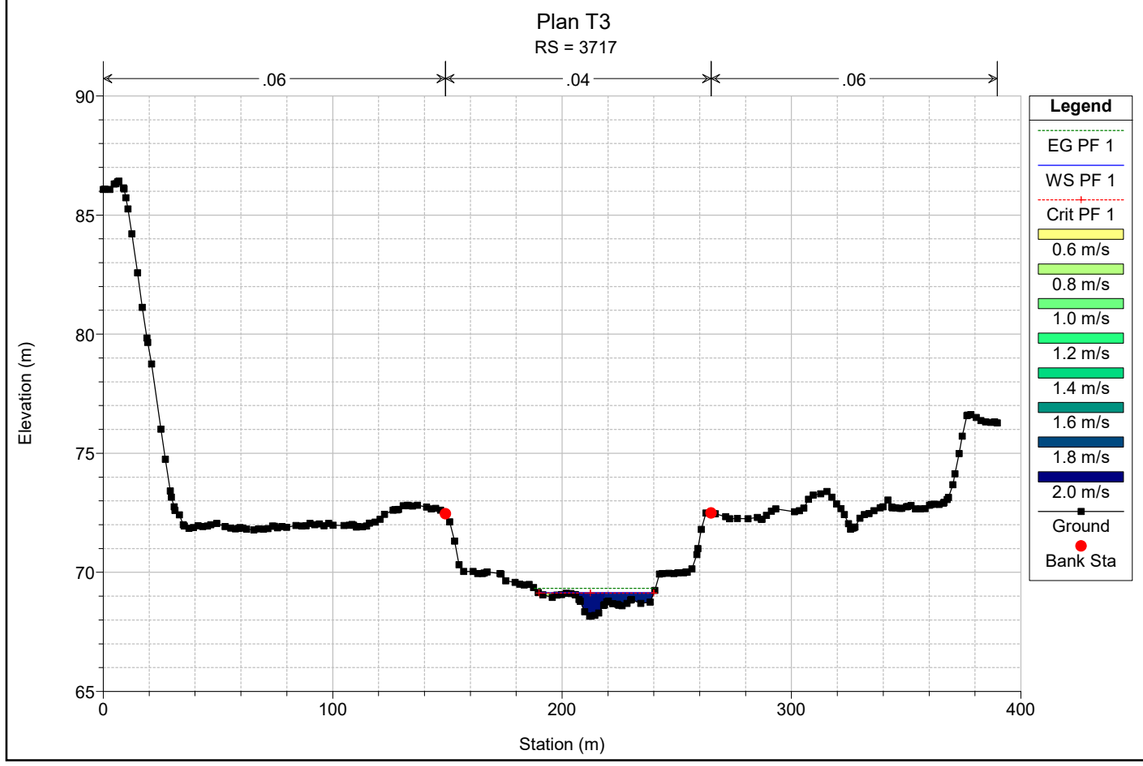

Plan T3
RS = 3864
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

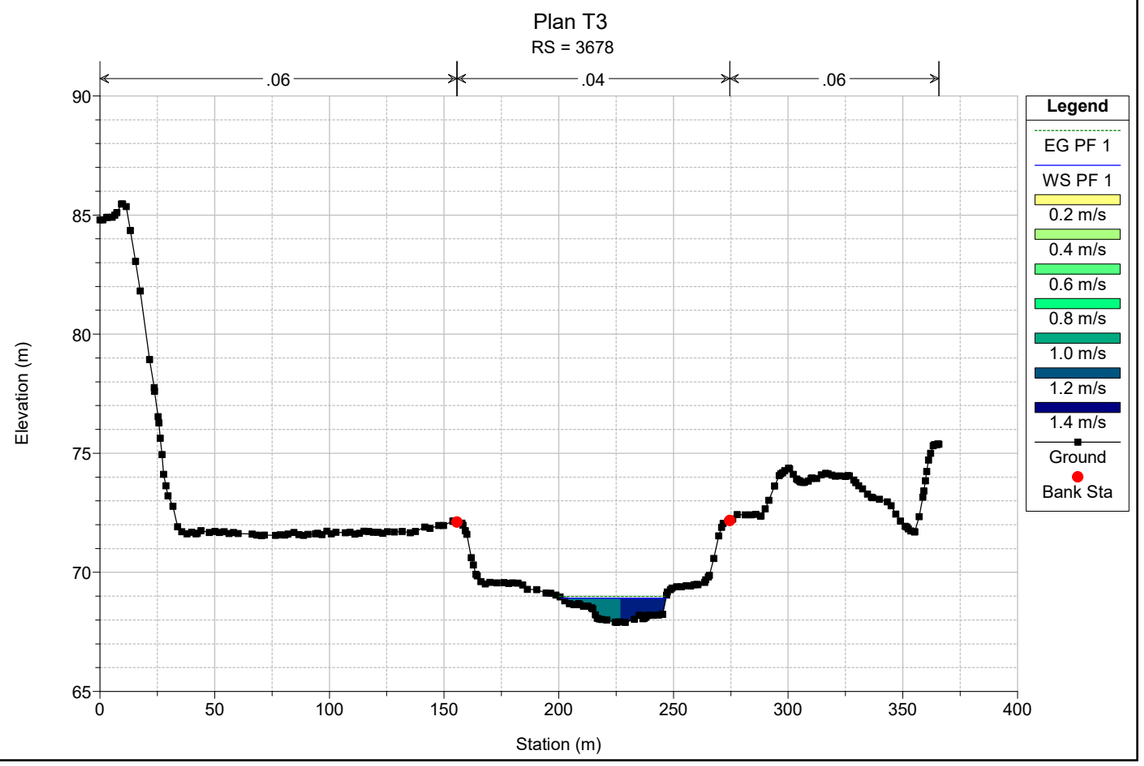

Plan T3
RS = 3847
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

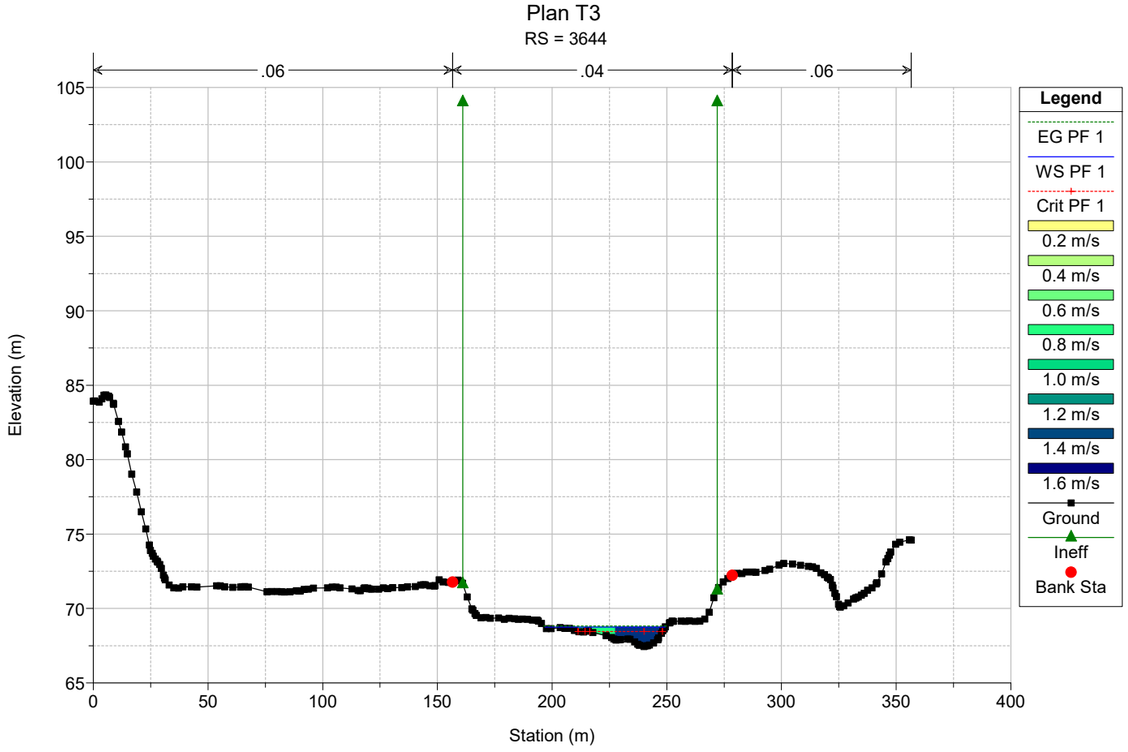

Plan T3
RS = 3817
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

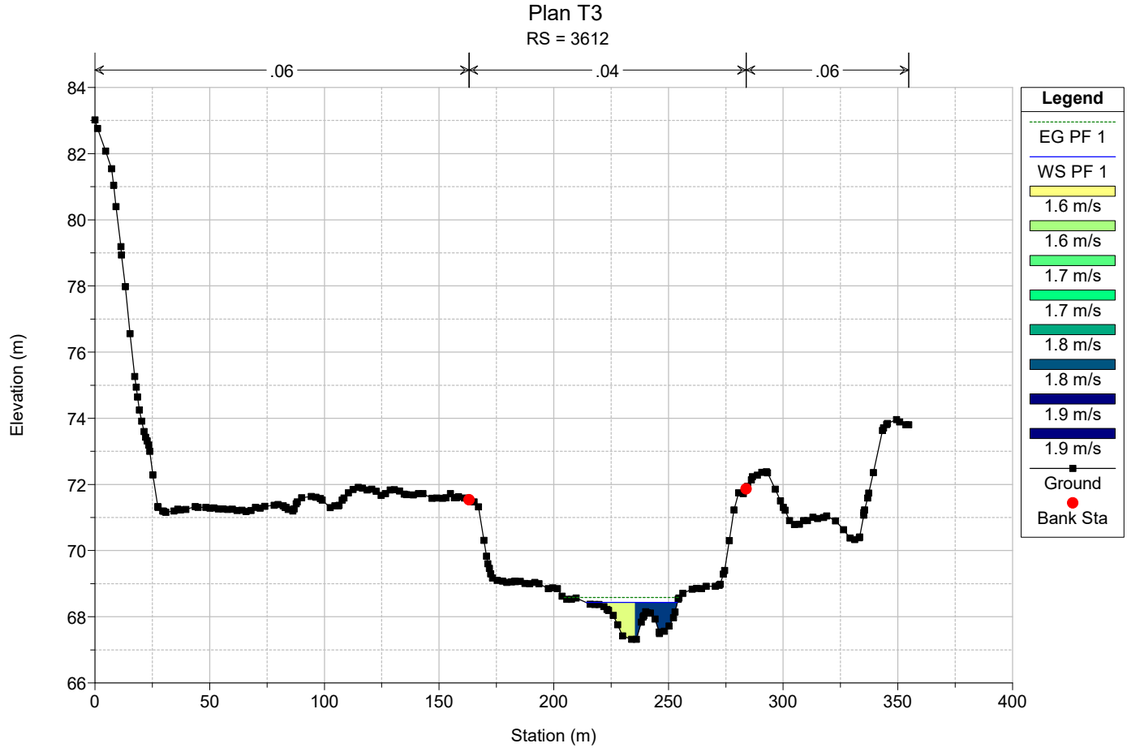

Plan T3
RS = 3786
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

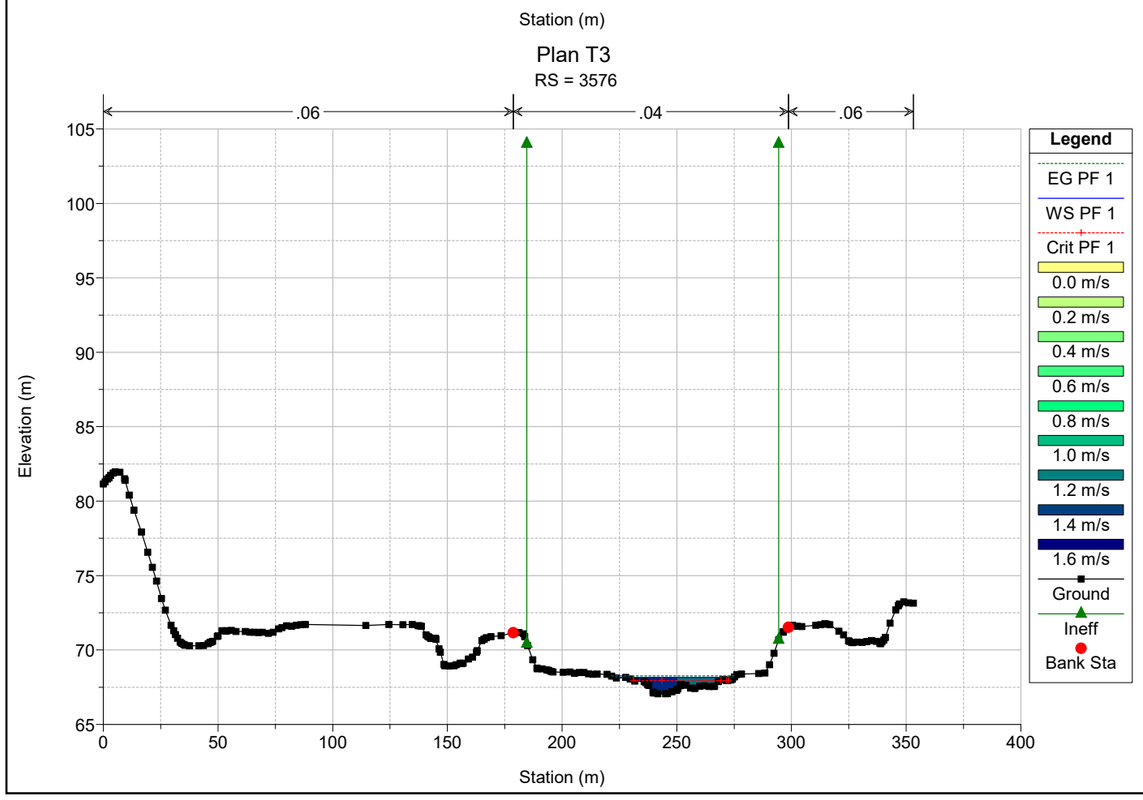

Plan T3
RS = 3750
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

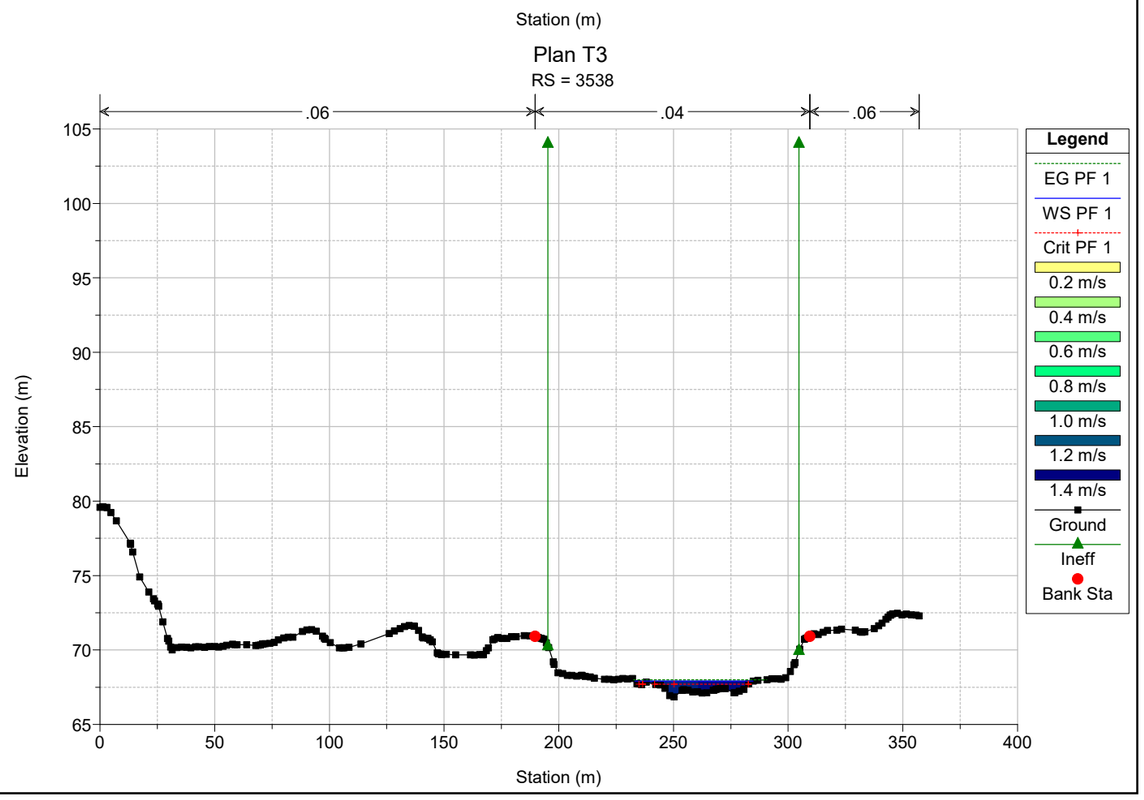

Plan T3
RS = 3717
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

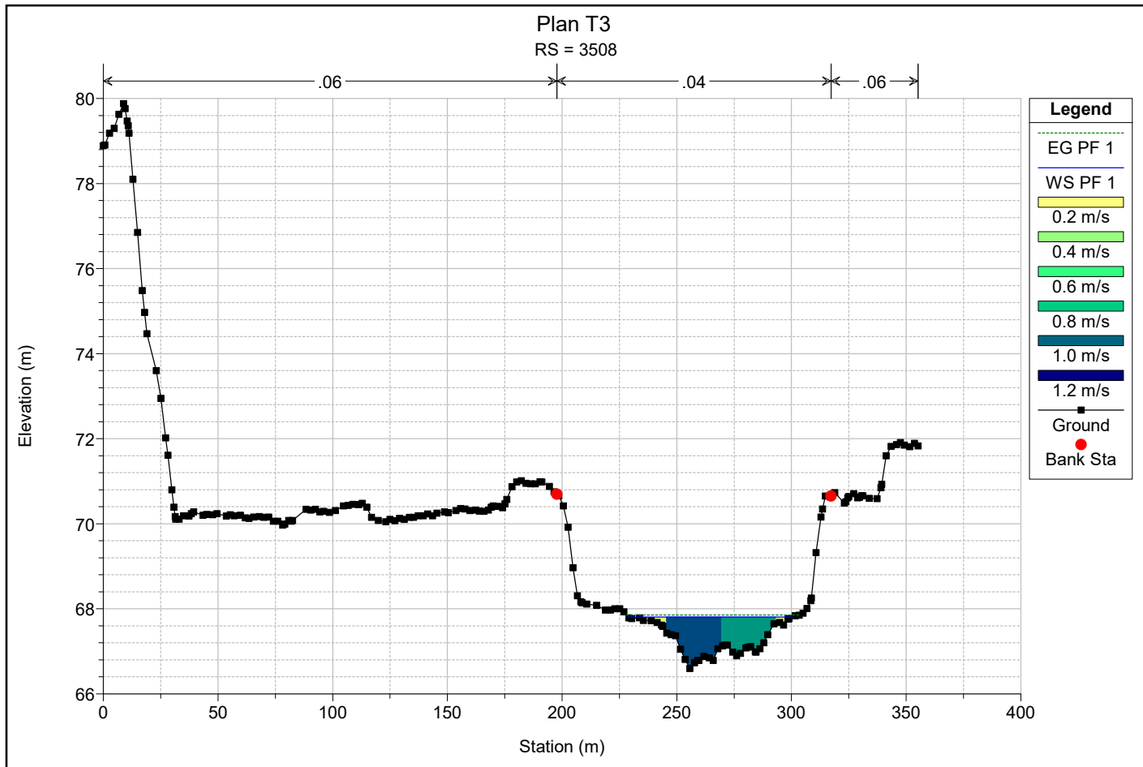

Plan T3
RS = 3678
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

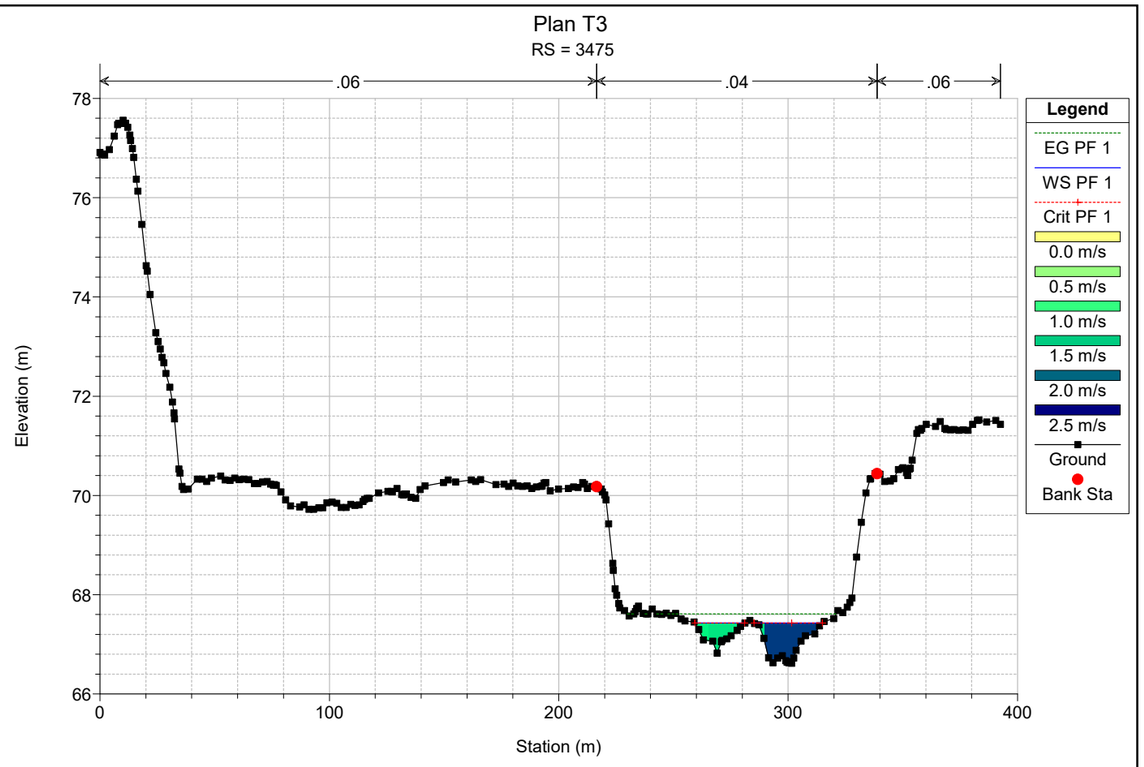

Plan T3
RS = 3644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

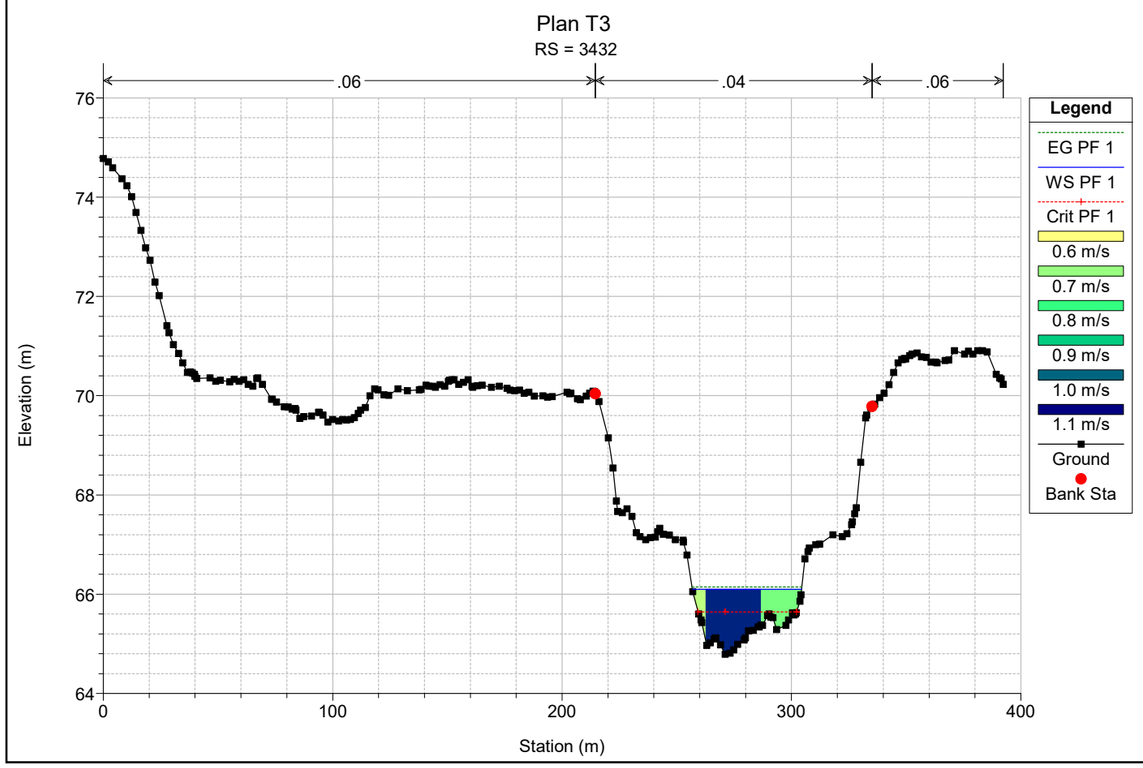

Plan T3
RS = 3612
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.6 m/s
1.6 m/s
1.7 m/s
1.7 m/s
1.8 m/s
1.8 m/s
1.9 m/s
1.9 m/s
Ground
Bank Sta

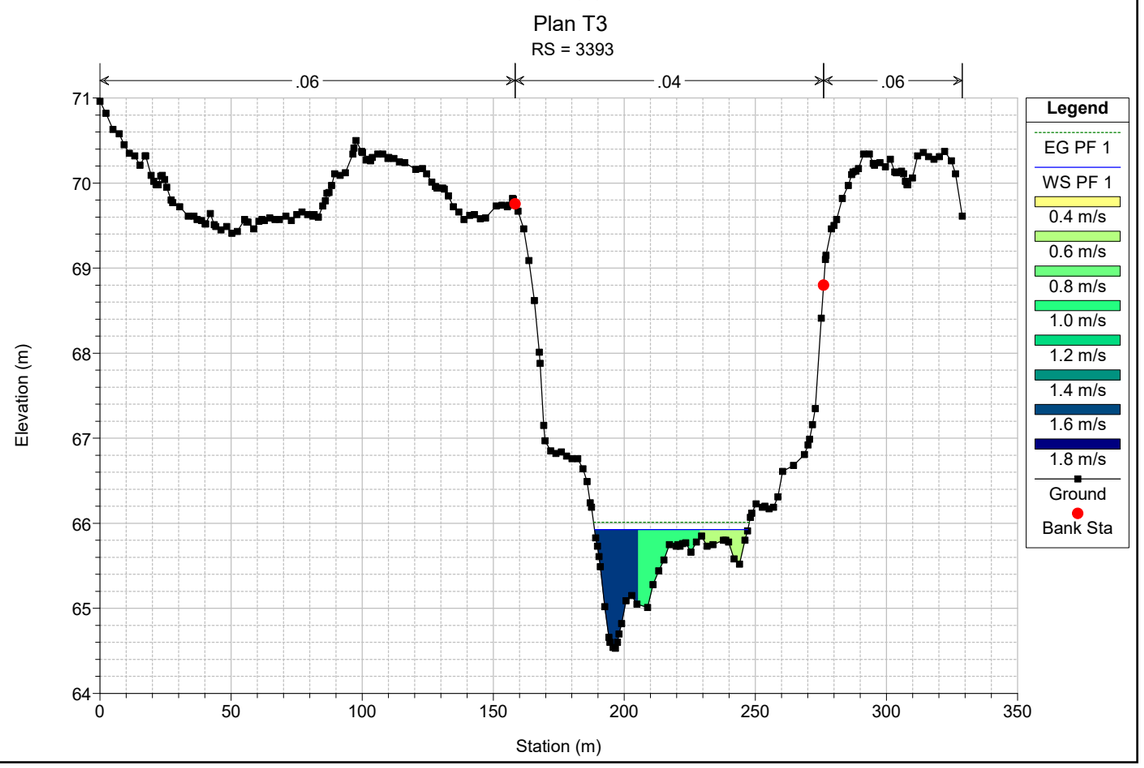

Plan T3
RS = 3576
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

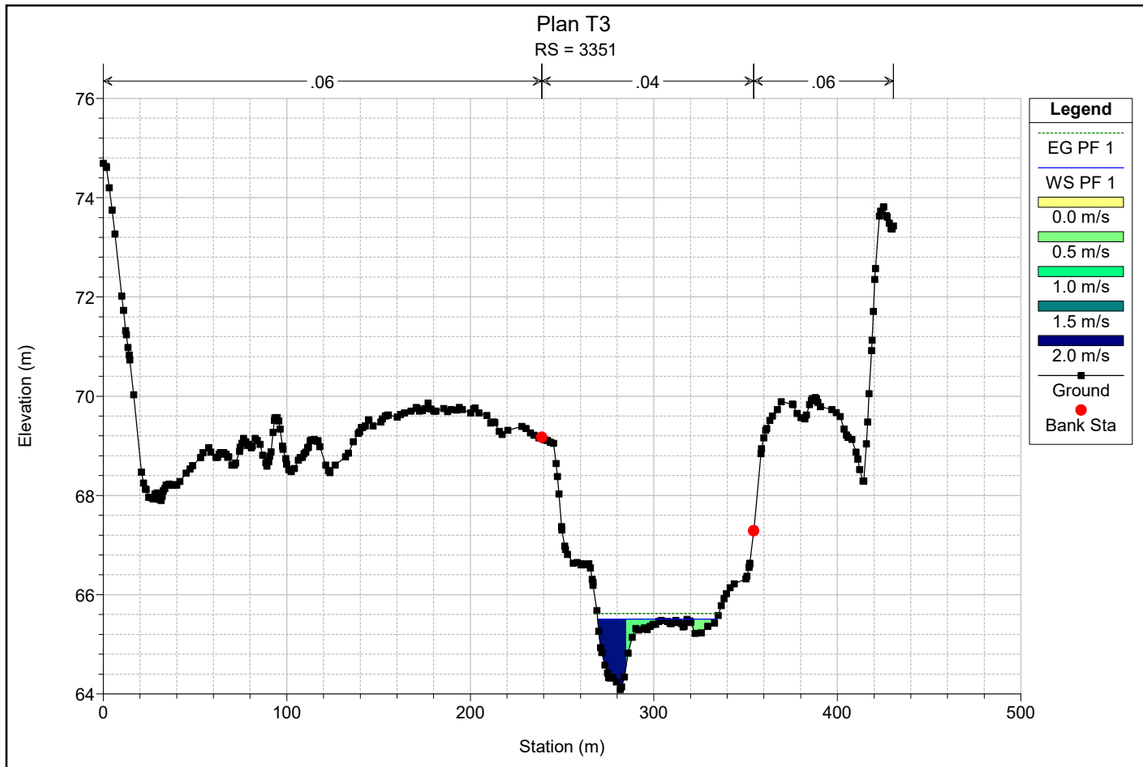

Plan T3
RS = 3538
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

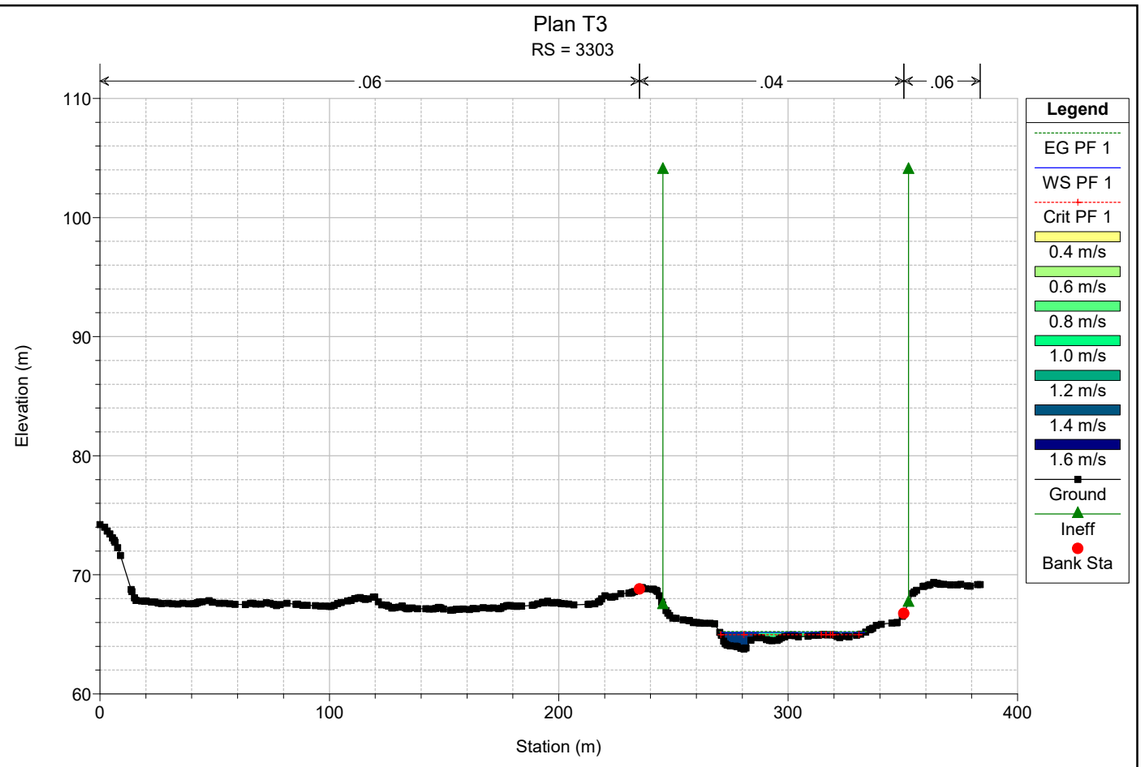

Plan T3
RS = 3508
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Bank Sta

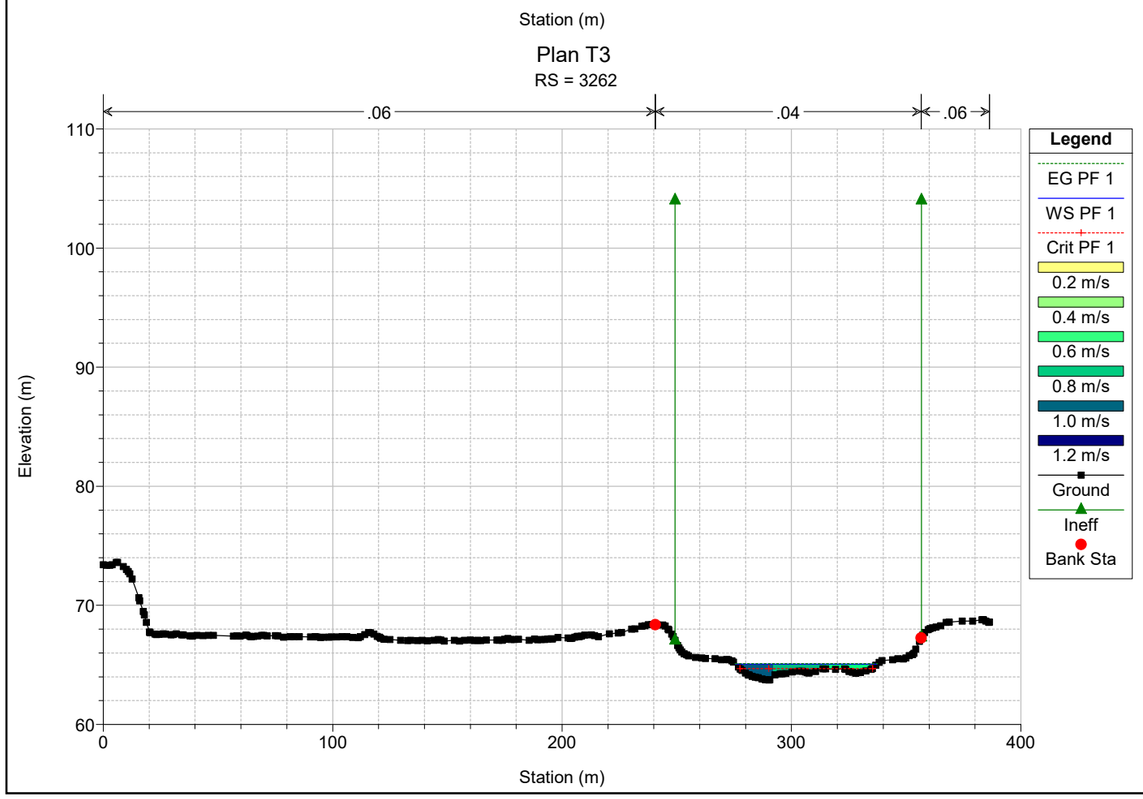

Plan T3
RS = 3475
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

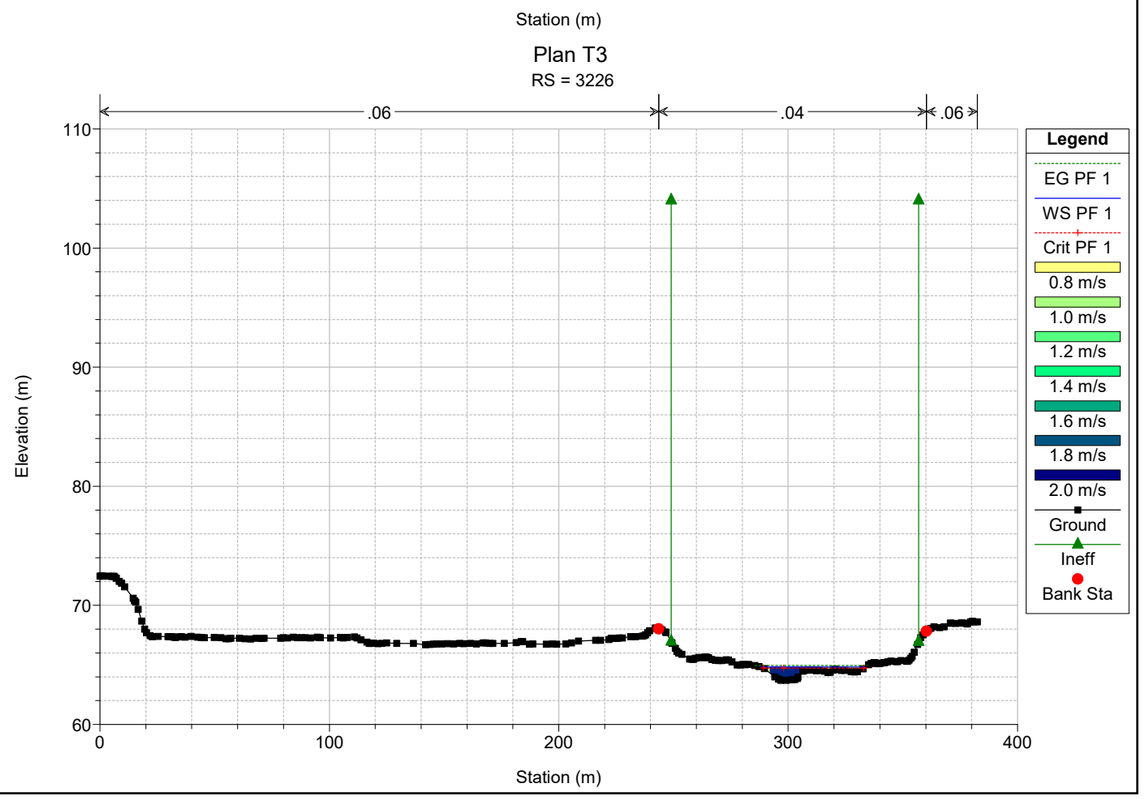

Plan T3
RS = 3432
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.7 m/s
0.8 m/s
0.9 m/s
1.0 m/s
1.1 m/s
Ground
Bank Sta

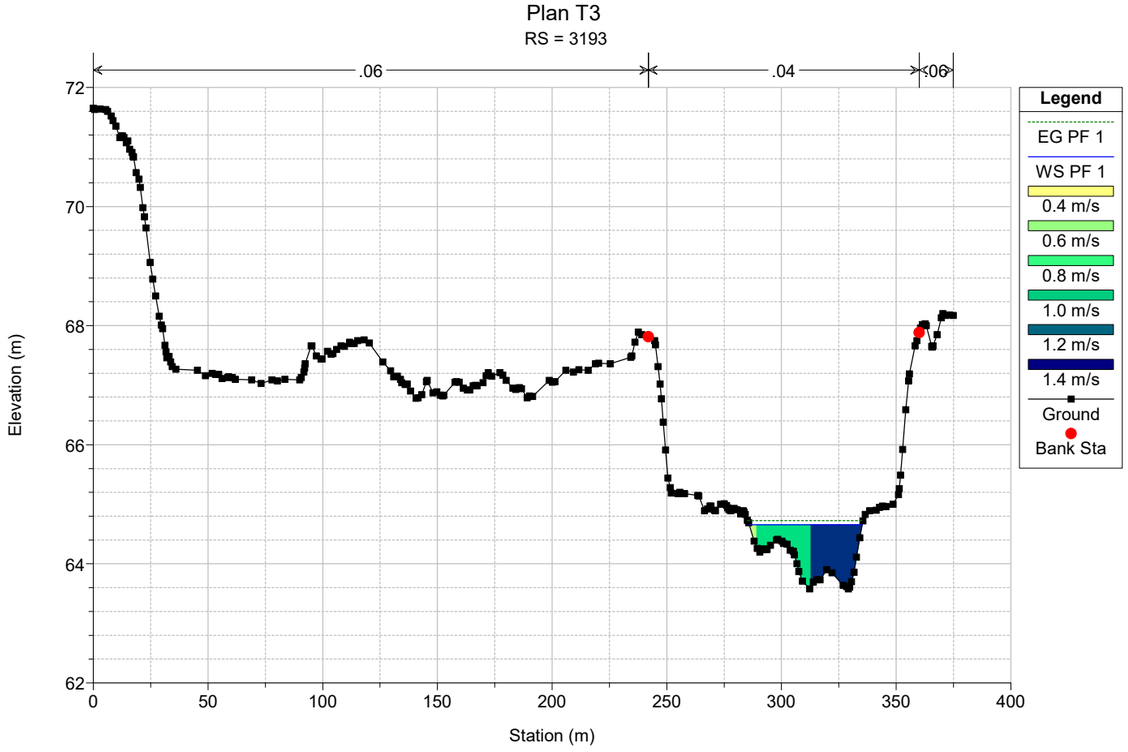

Plan T3
RS = 3393
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

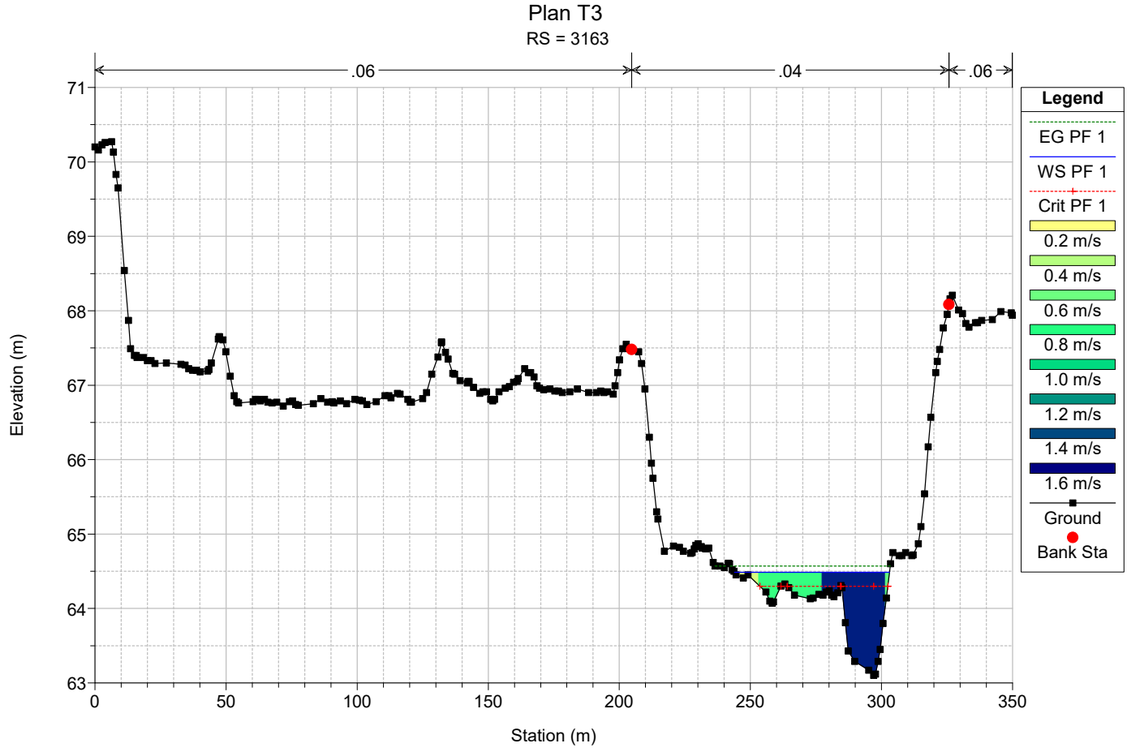

Plan T3
RS = 3351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

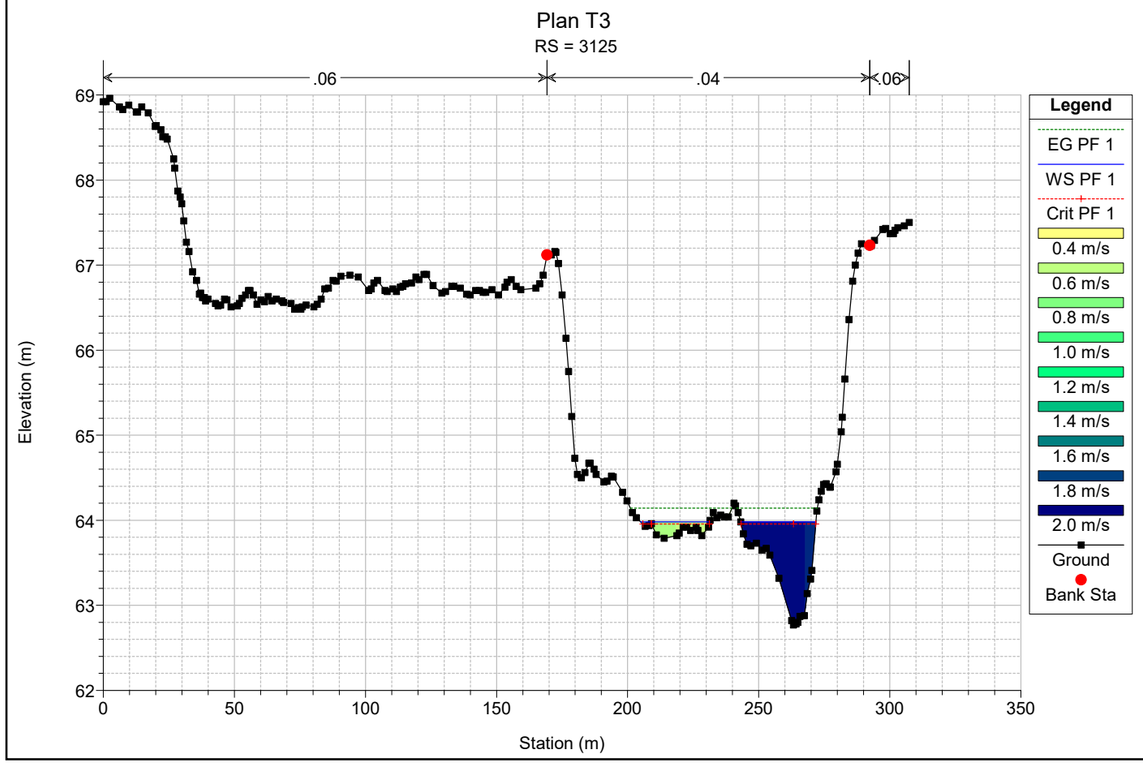

Plan T3
RS = 3303
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

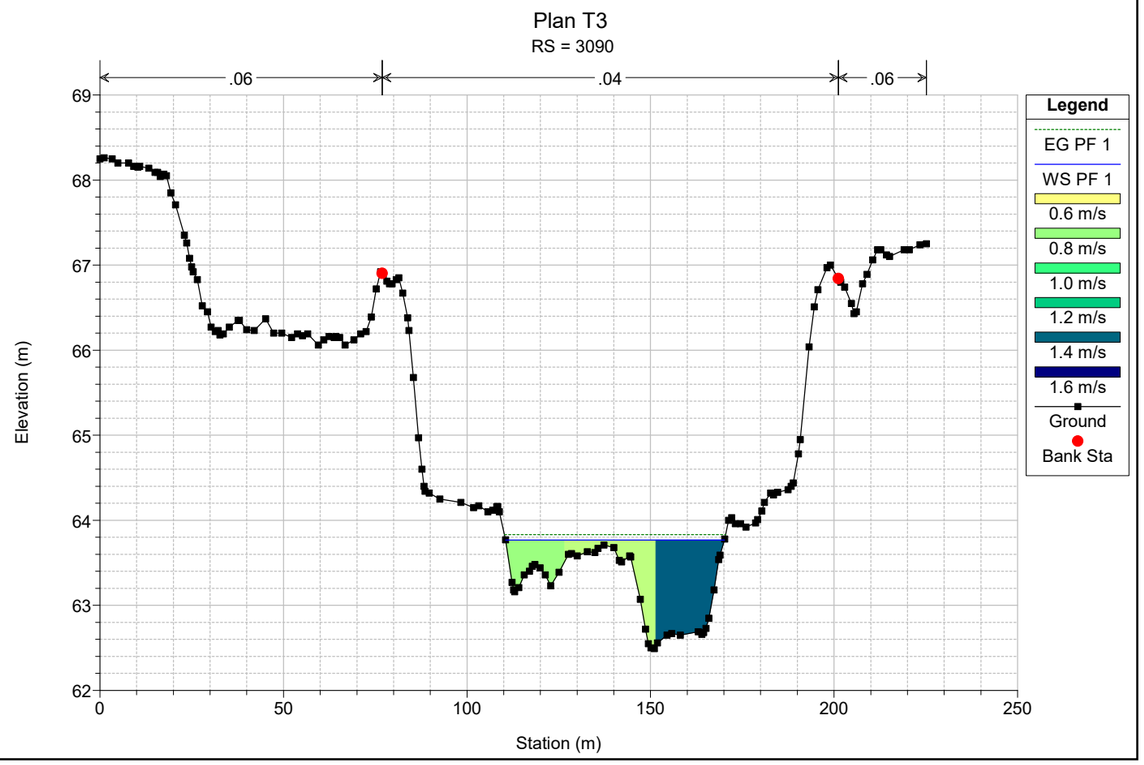

Plan T3
RS = 3262
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
Ground
Ineff
Bank Sta

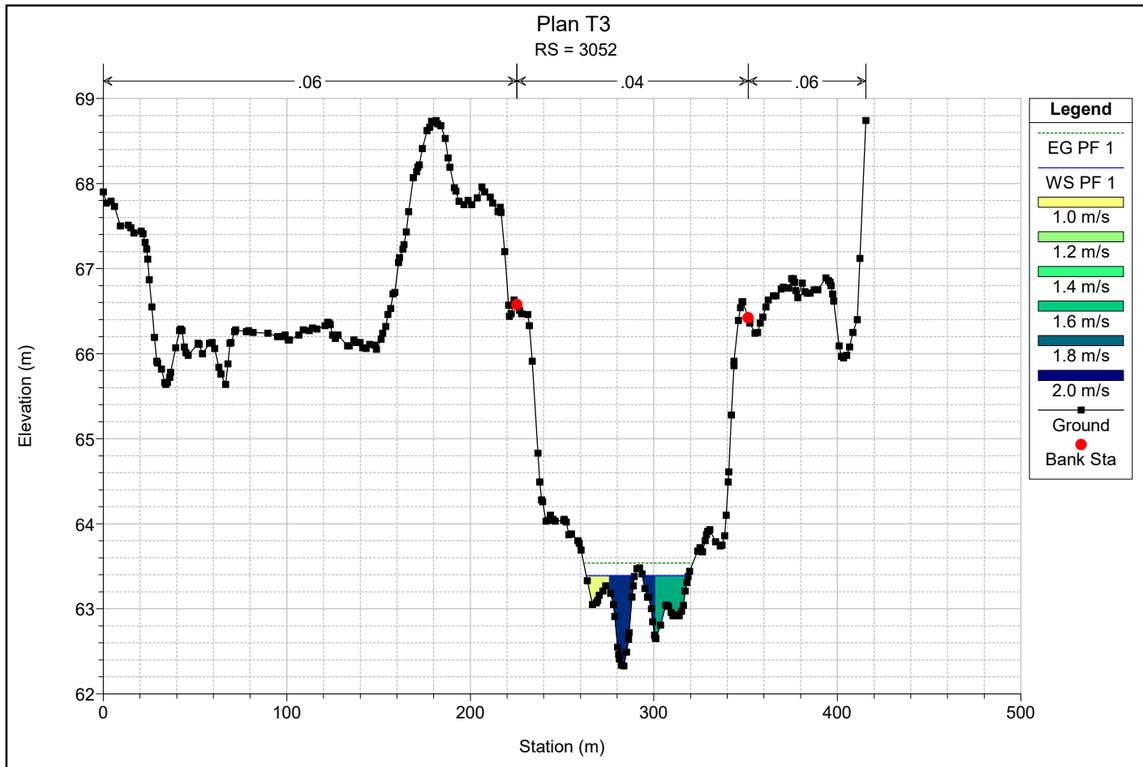

Plan T3
RS = 3226
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

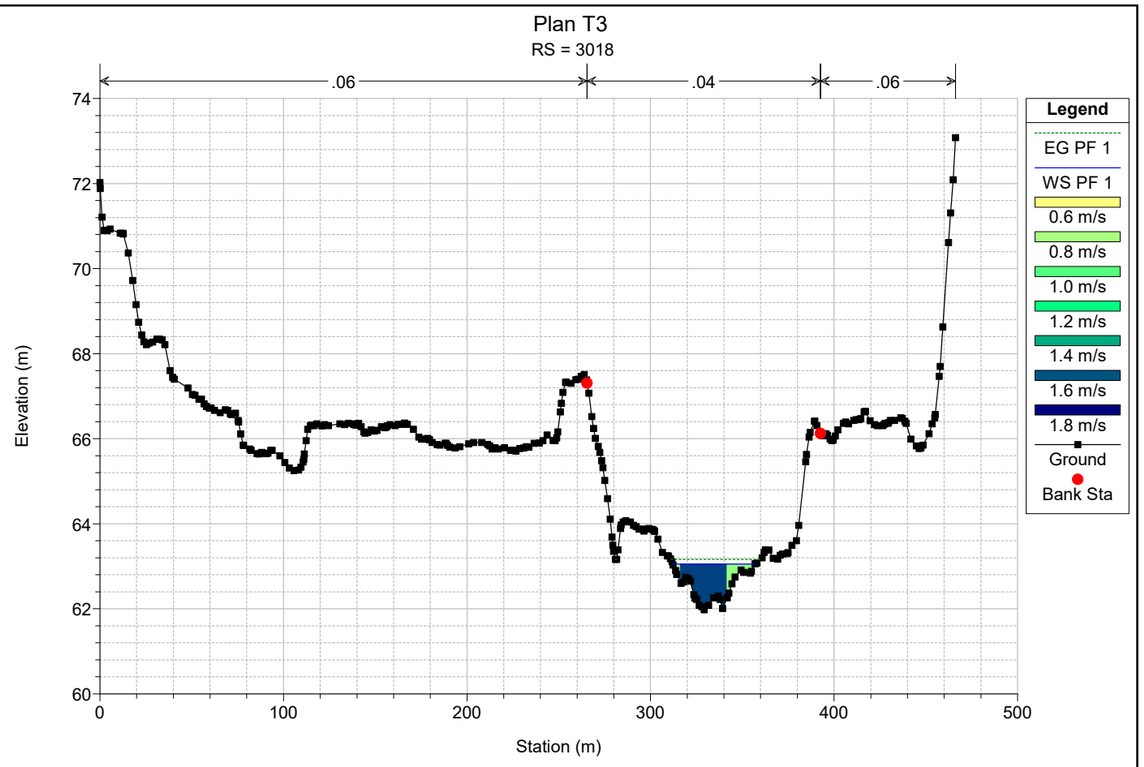

Plan T3
RS = 3193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Bank Sta

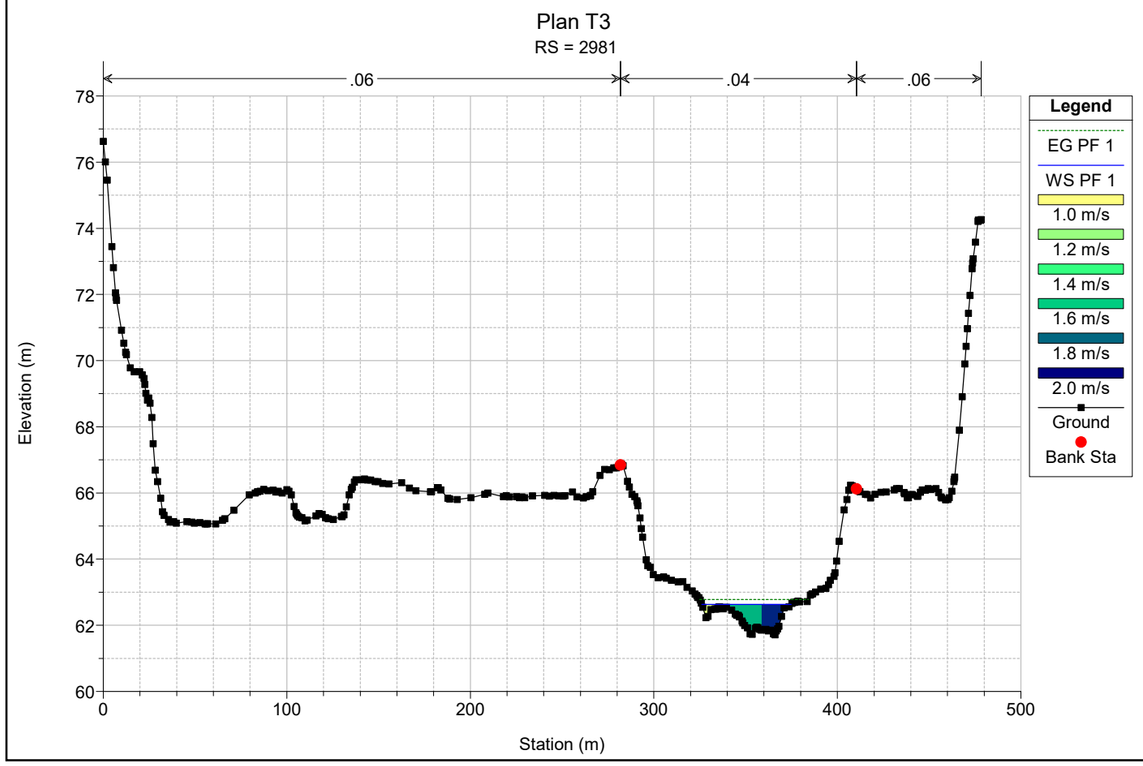

Plan T3
RS = 3163
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

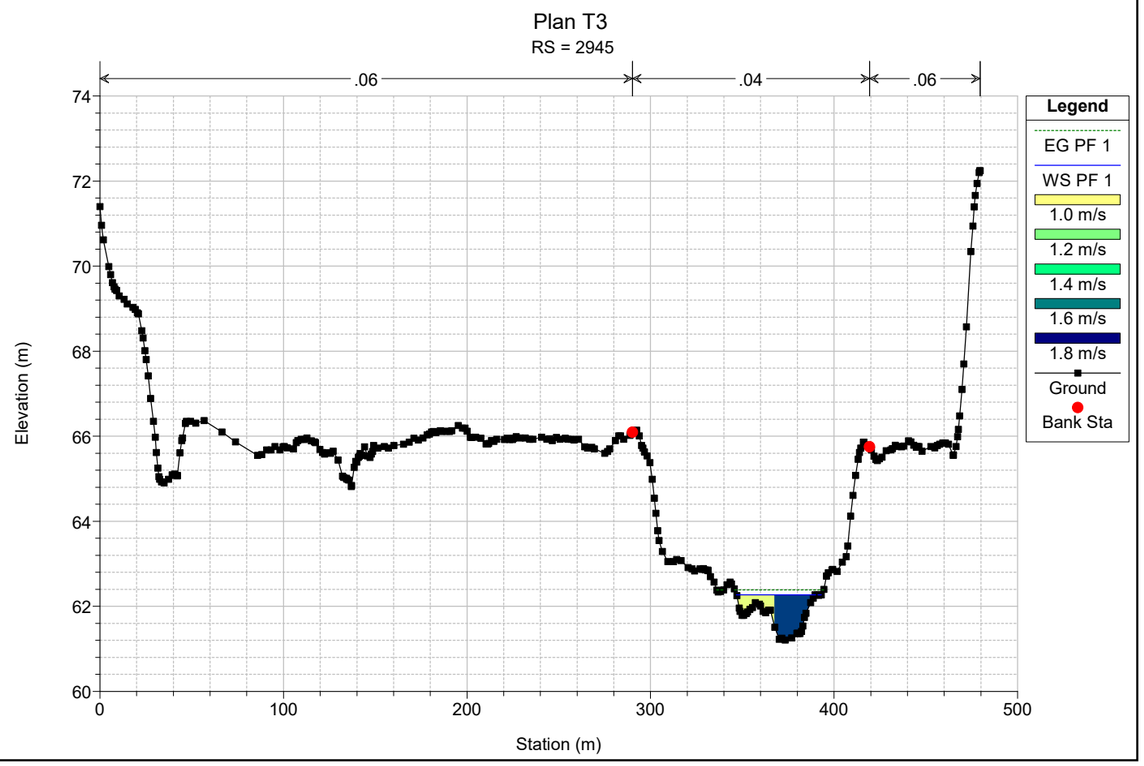

Plan T3
RS = 3125
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

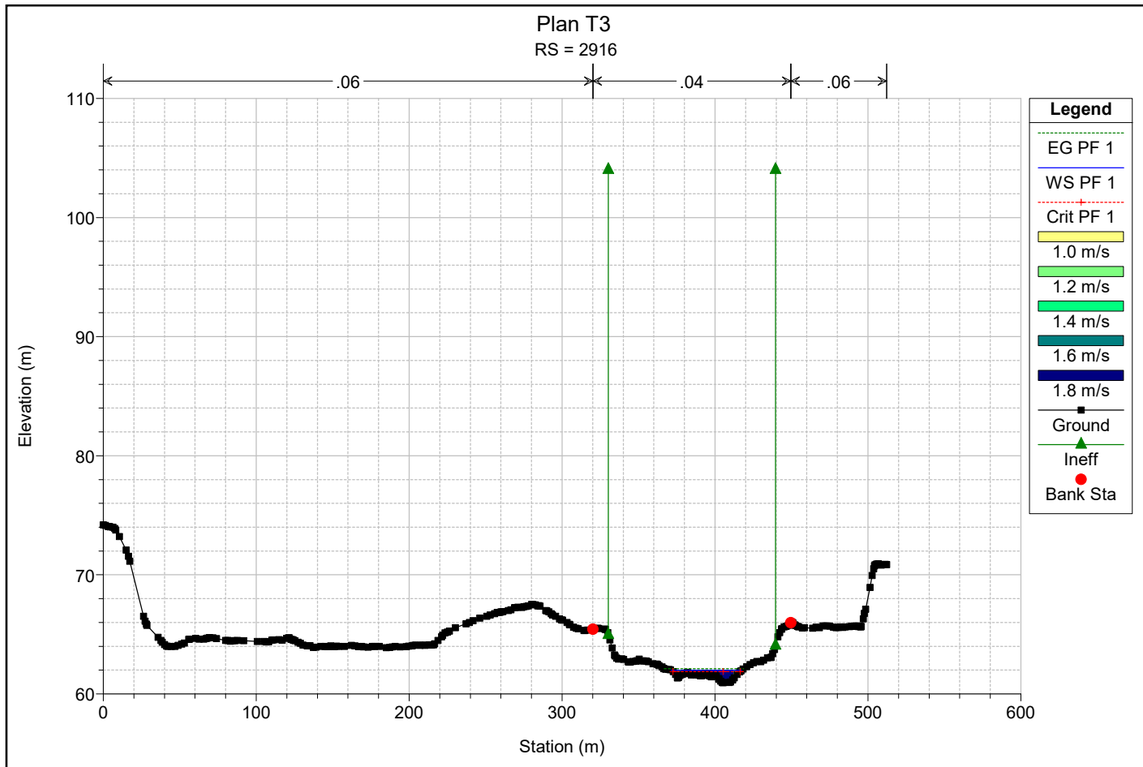

Plan T3
RS = 3090
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Bank Sta

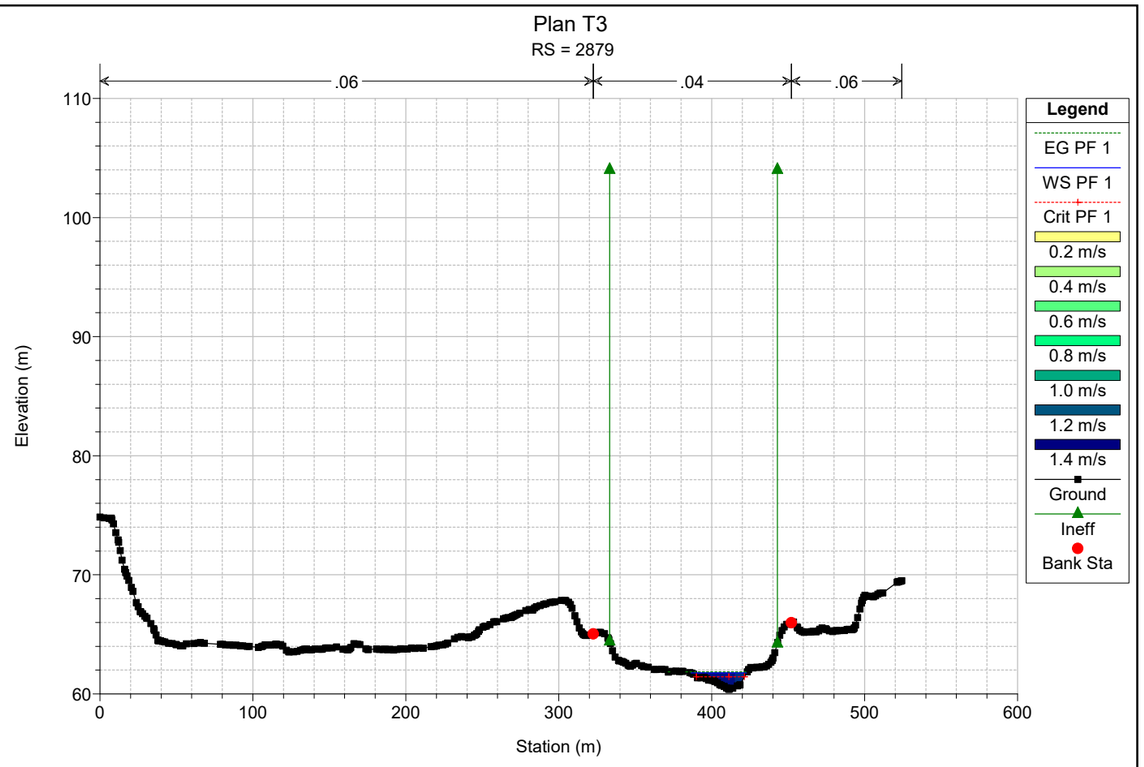

Plan T3
RS = 3052
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

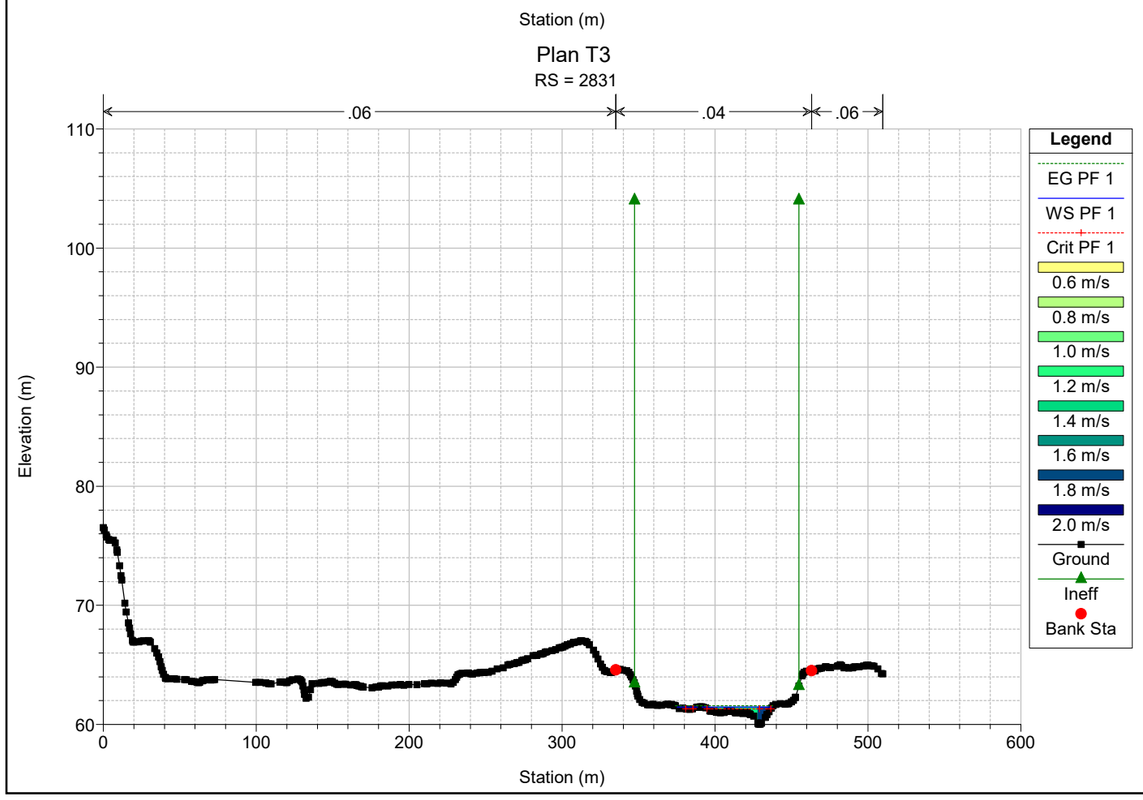

Plan T3
RS = 3018
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

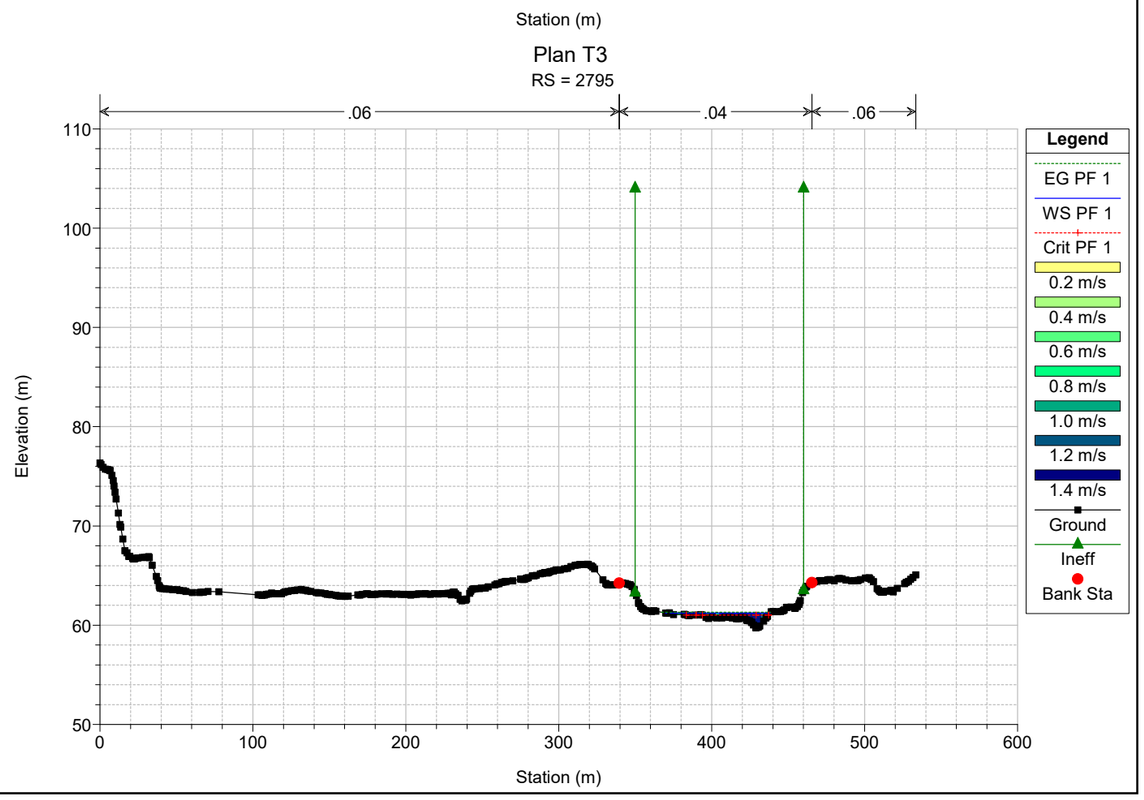

Plan T3
RS = 2981
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Bank Sta

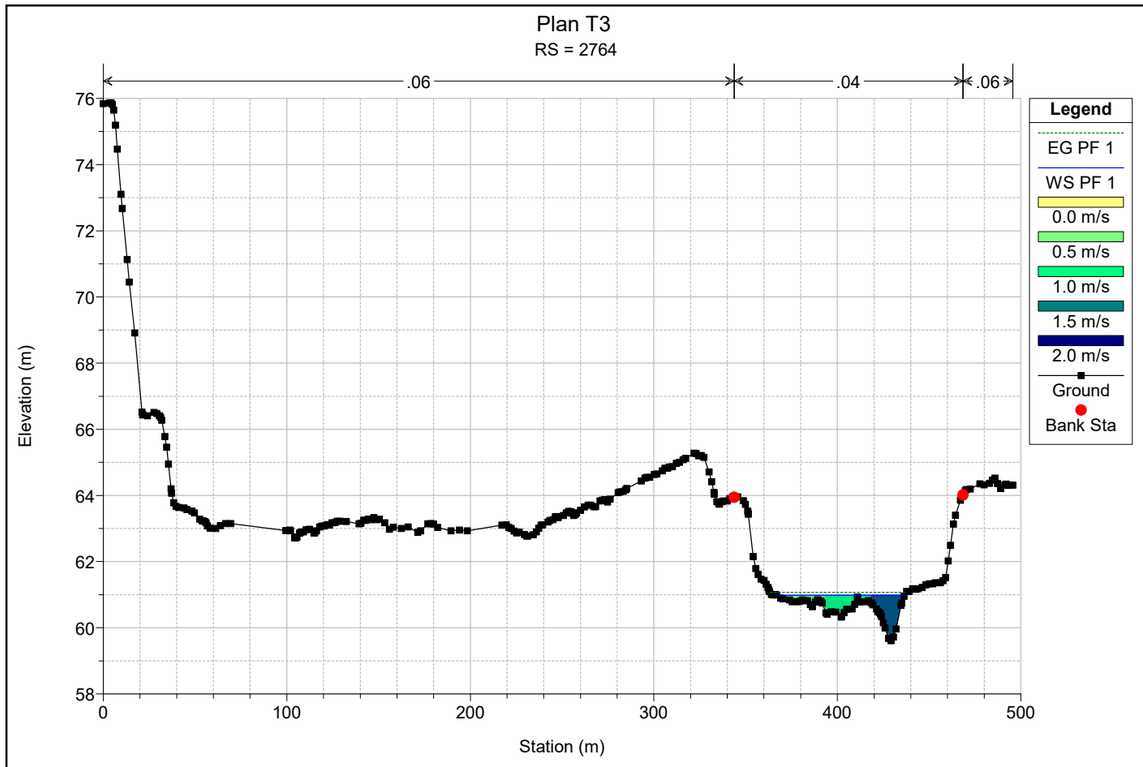

Plan T3
RS = 2945
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

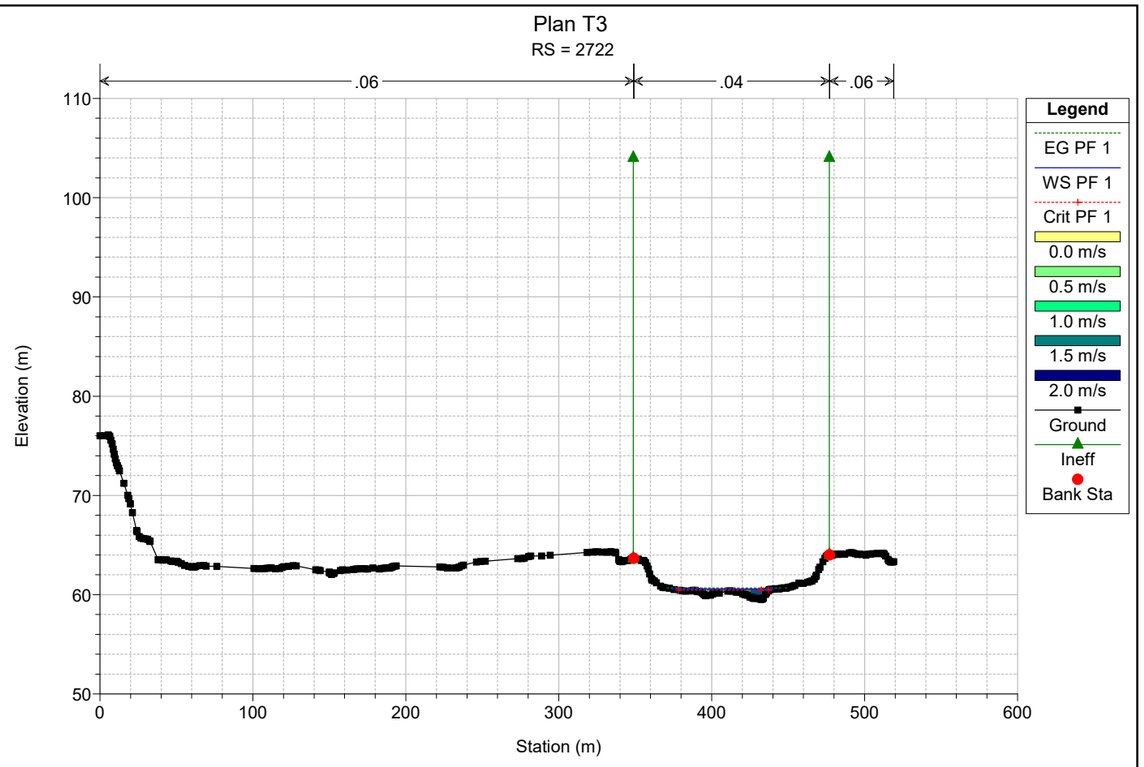

Plan T3
RS = 2916
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

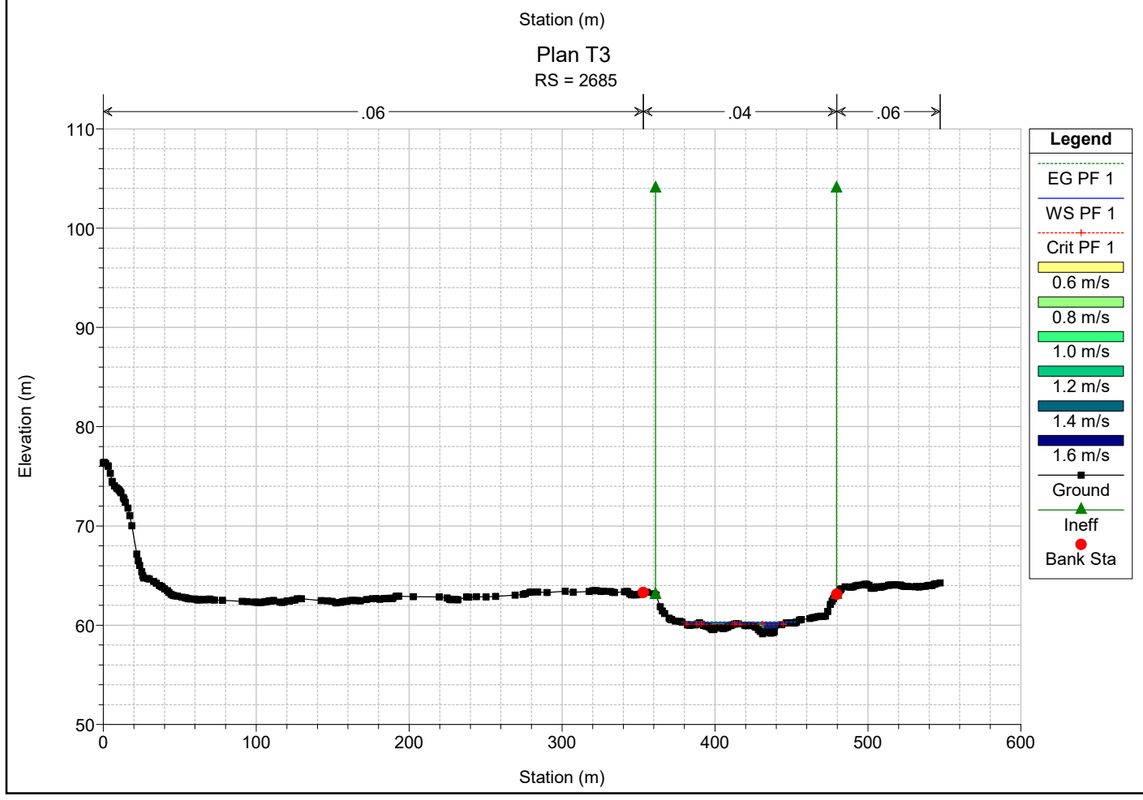

Plan T3
RS = 2879
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

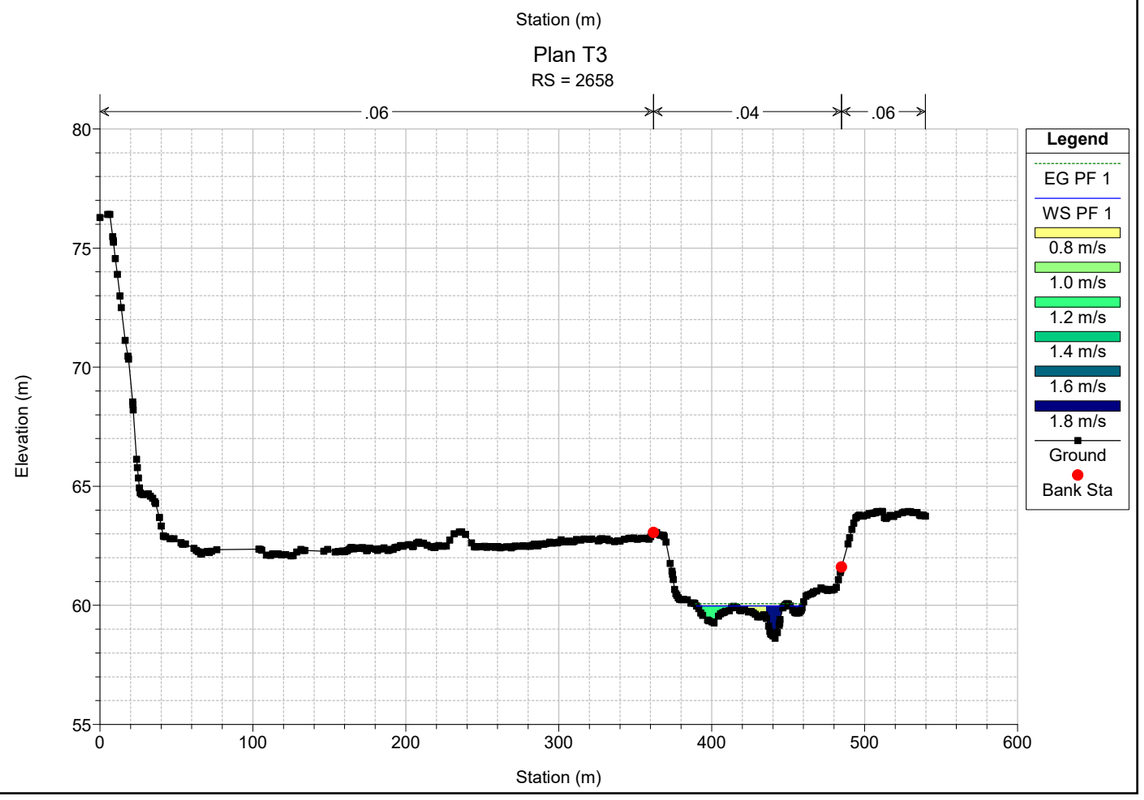

Plan T3
RS = 2831
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
Ground
Ineff
Bank Sta

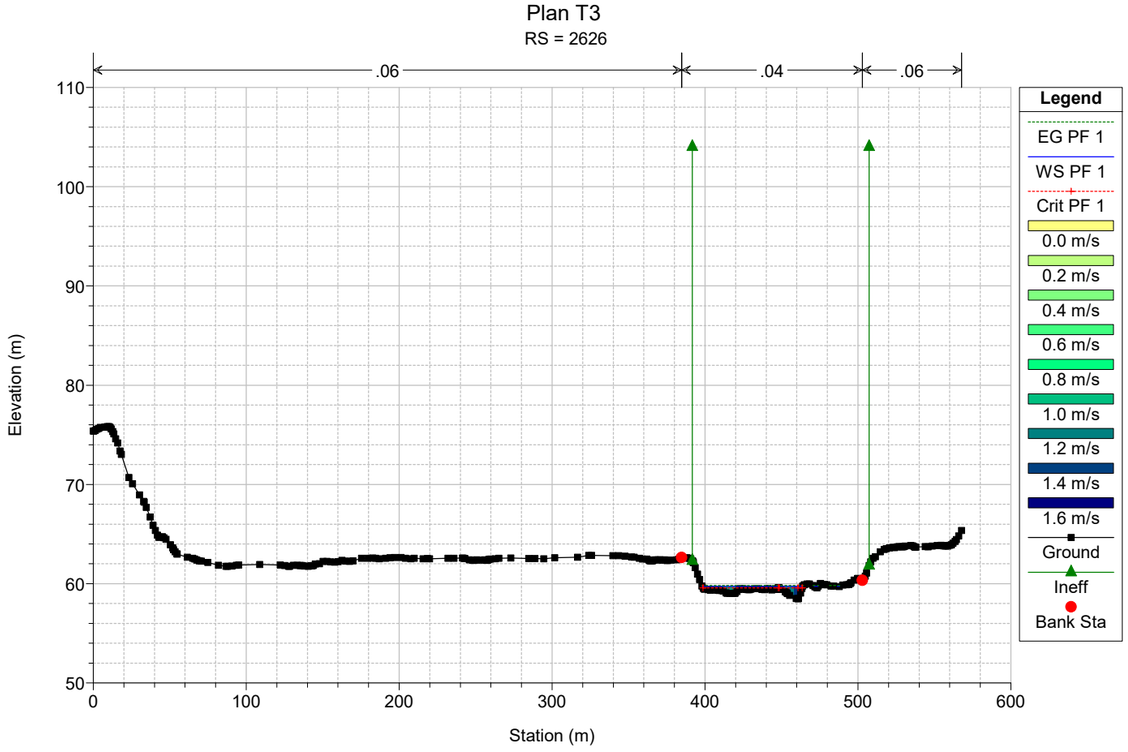

Plan T3
RS = 2795
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

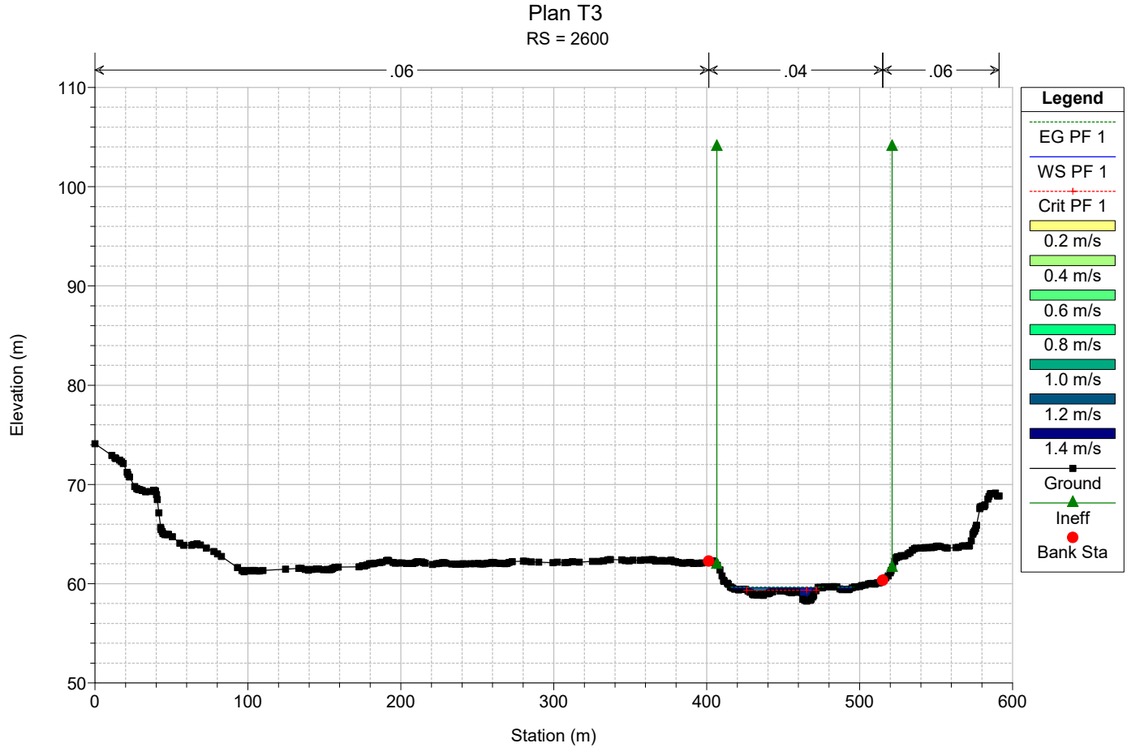

Plan T3
RS = 2764
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

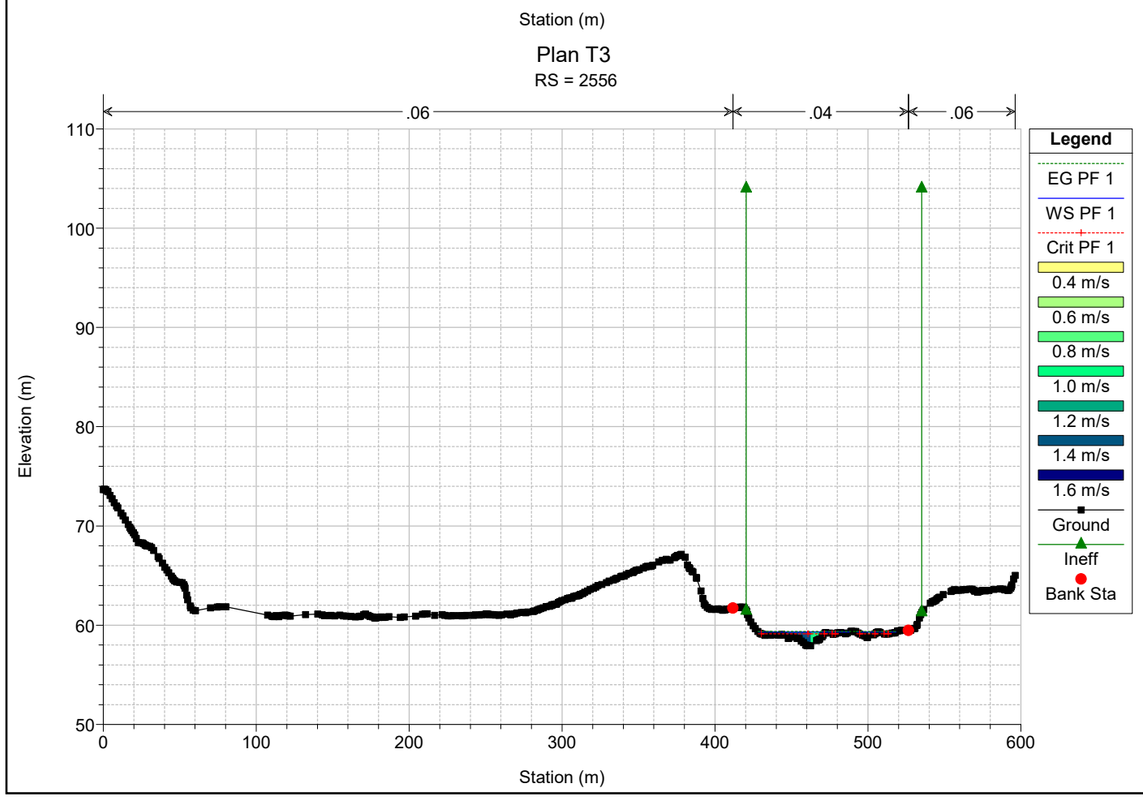

Plan T3
RS = 2722
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

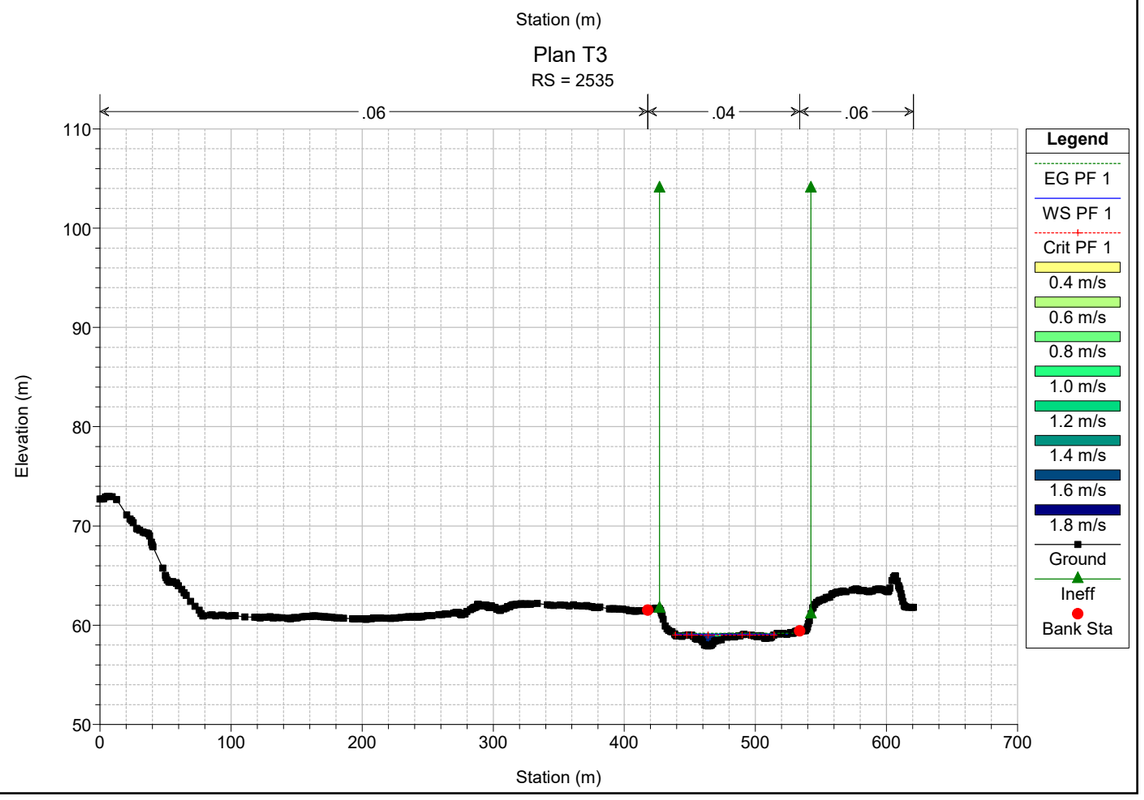

Plan T3
RS = 2685
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

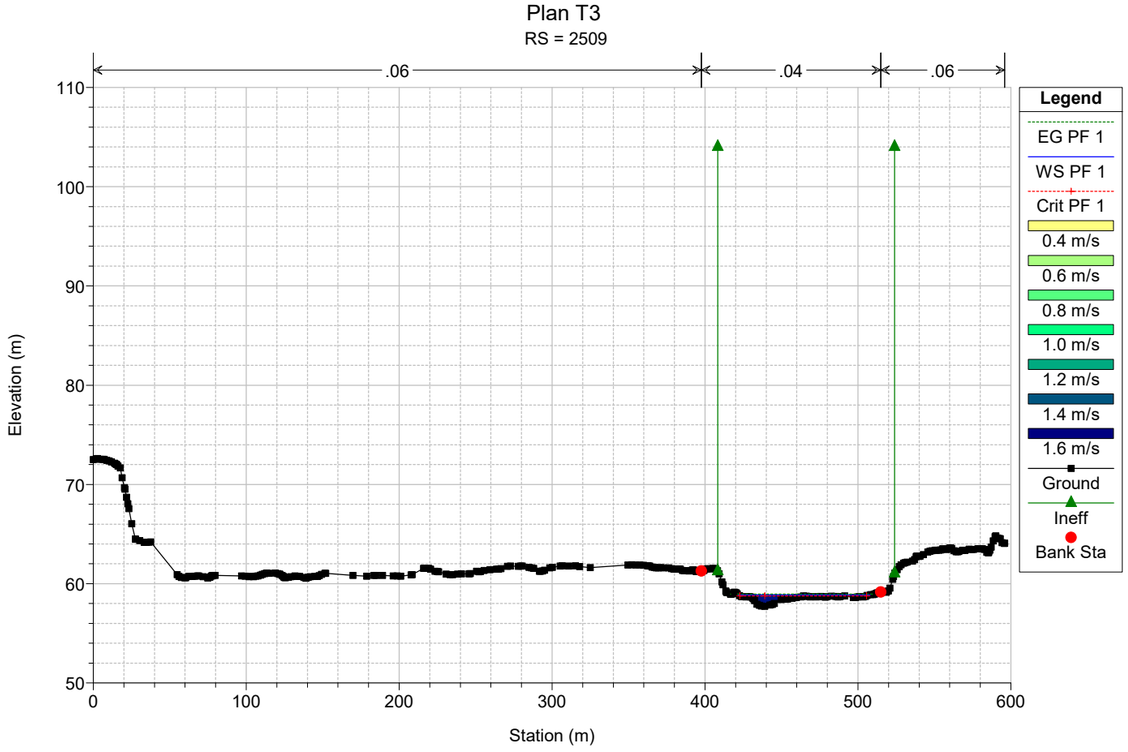

Plan T3
RS = 2658
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

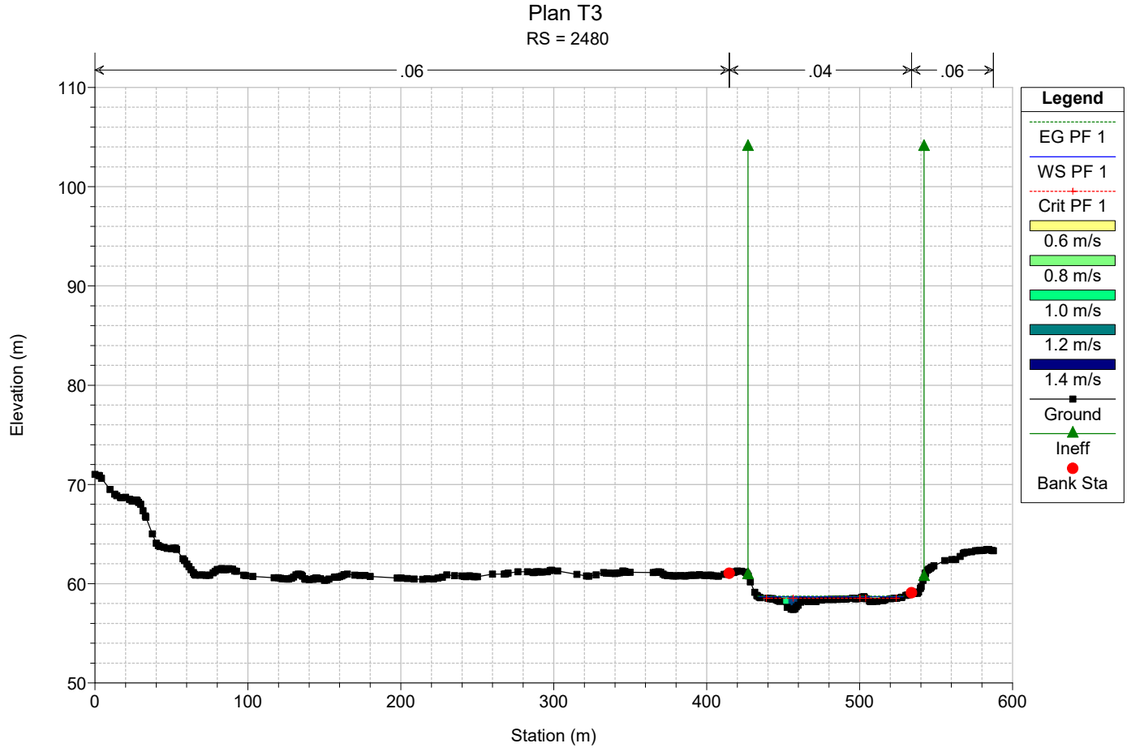

Plan T3
RS = 2626
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

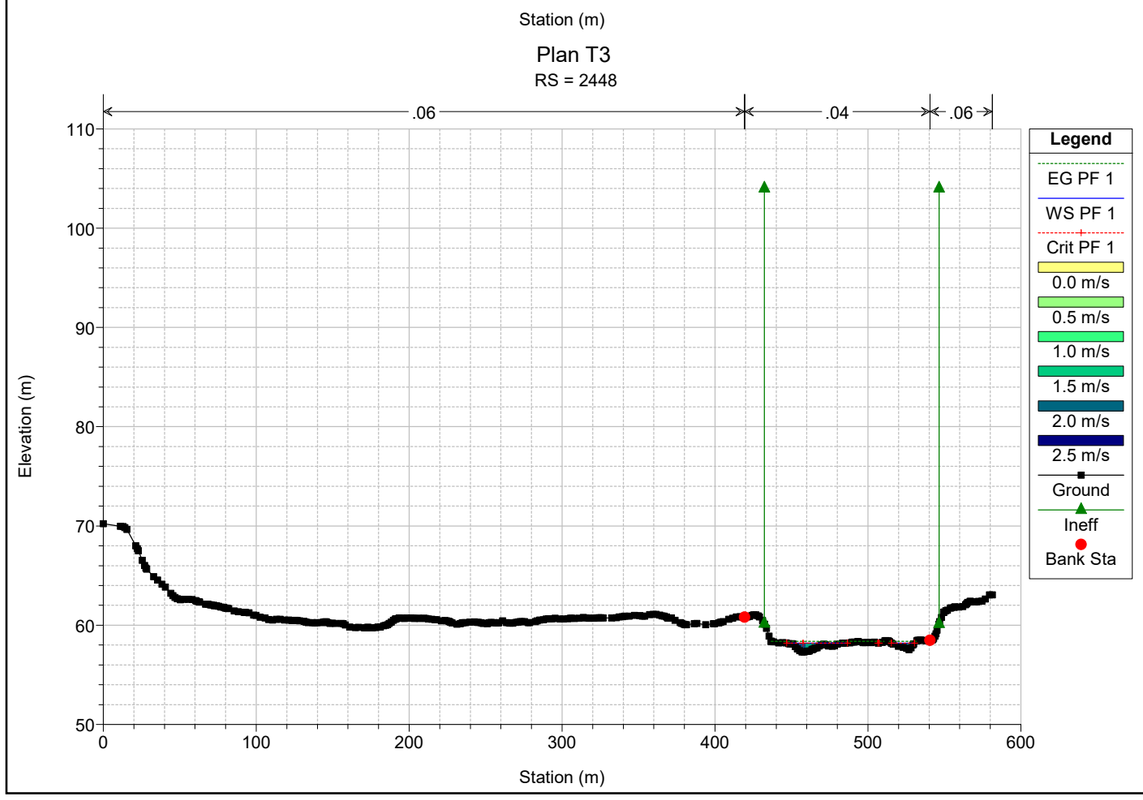

Plan T3
RS = 2600
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.2 m/s
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

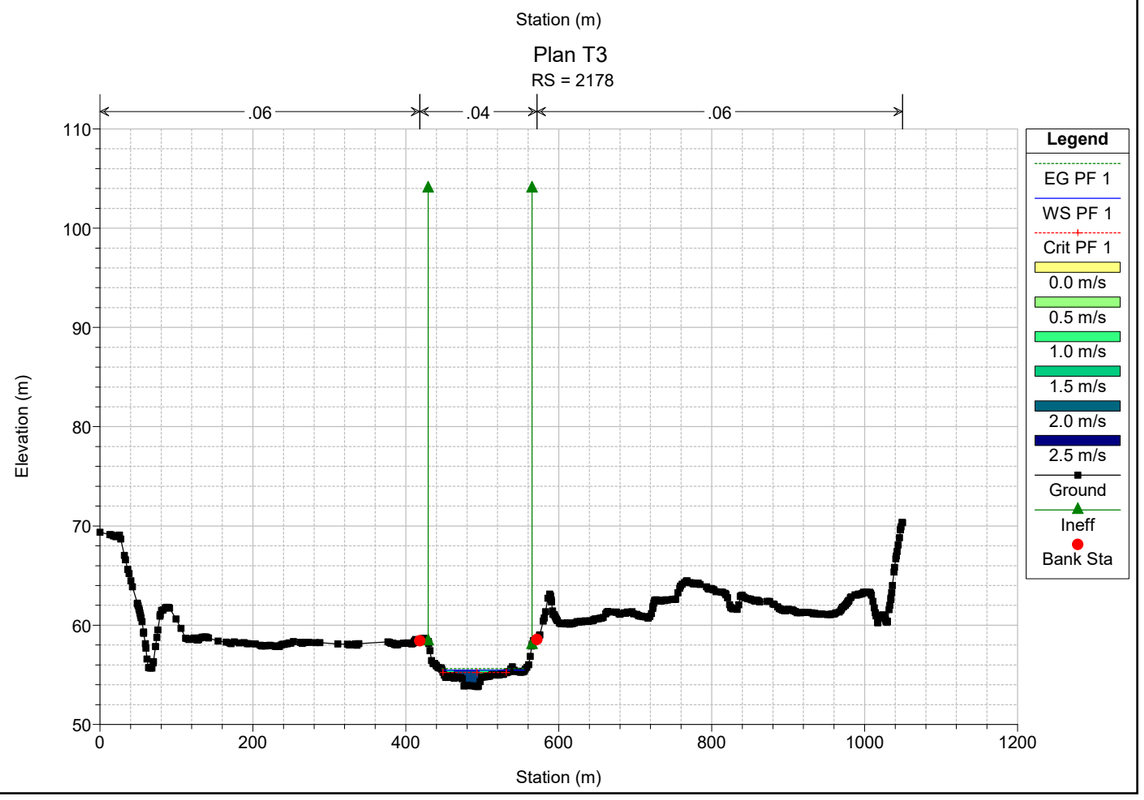

Plan T3
RS = 2556
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

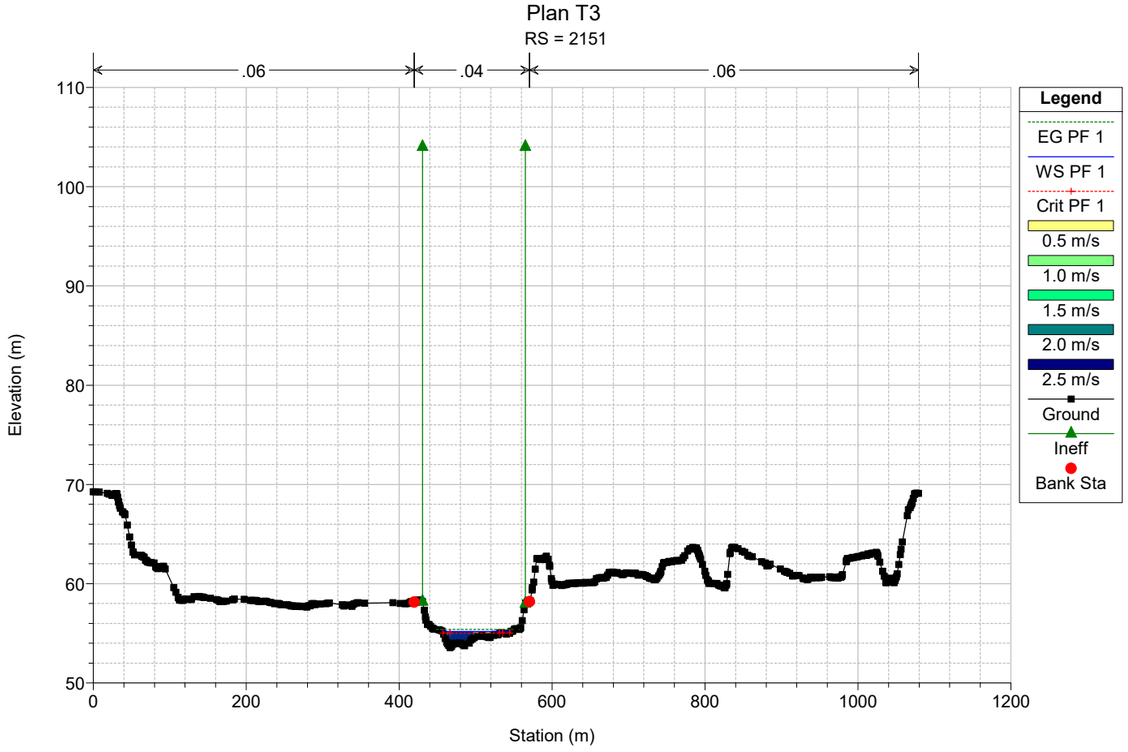

Plan T3
RS = 2535
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Ineff
Bank Sta

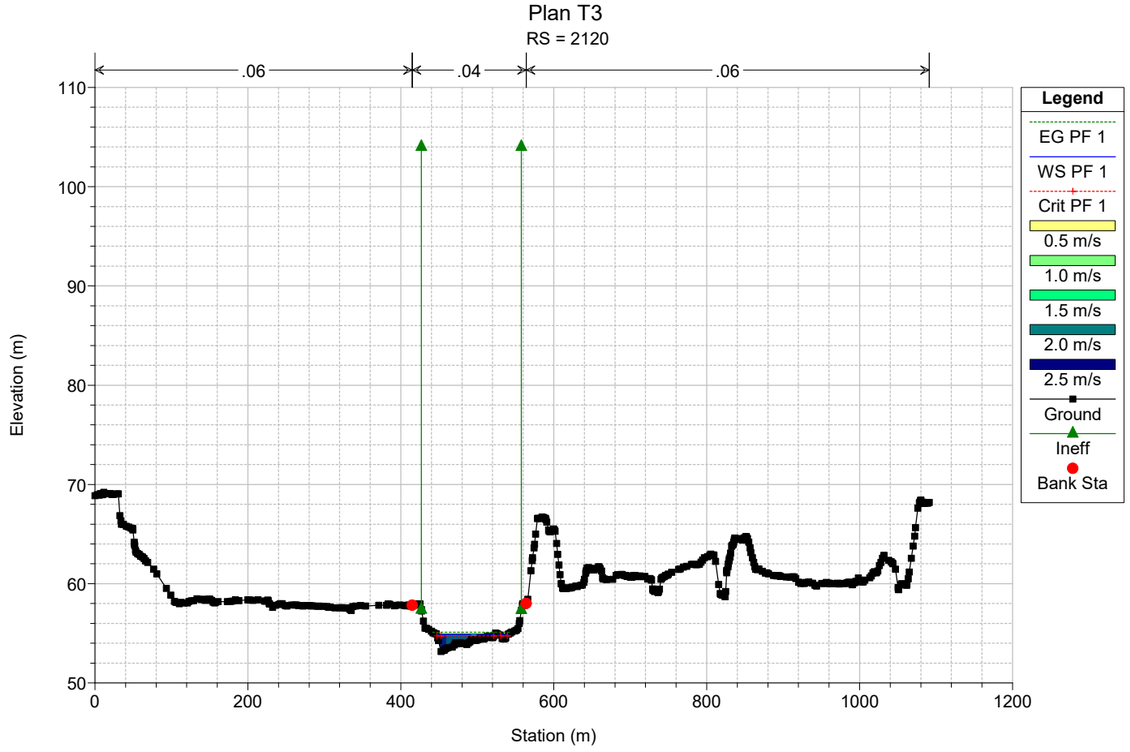

Plan T3
RS = 2509
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.4 m/s
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
Ground
Ineff
Bank Sta

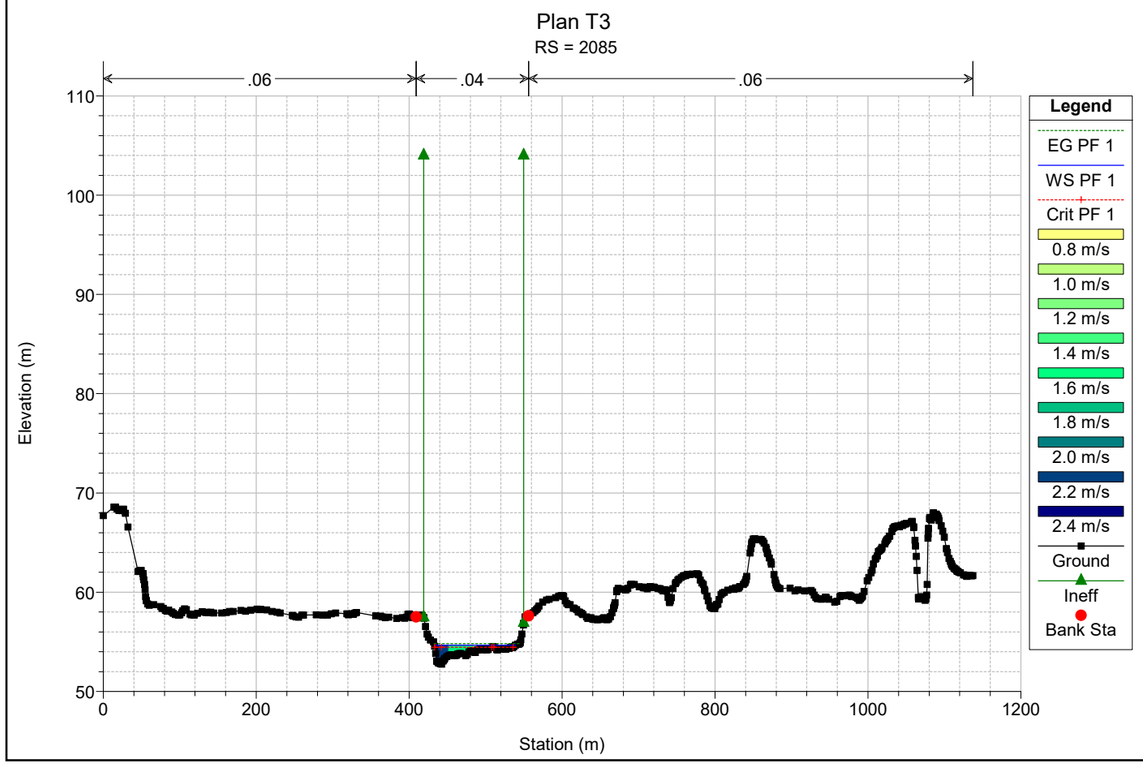

Plan T3
RS = 2480
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.6 m/s
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
Ground
Ineff
Bank Sta

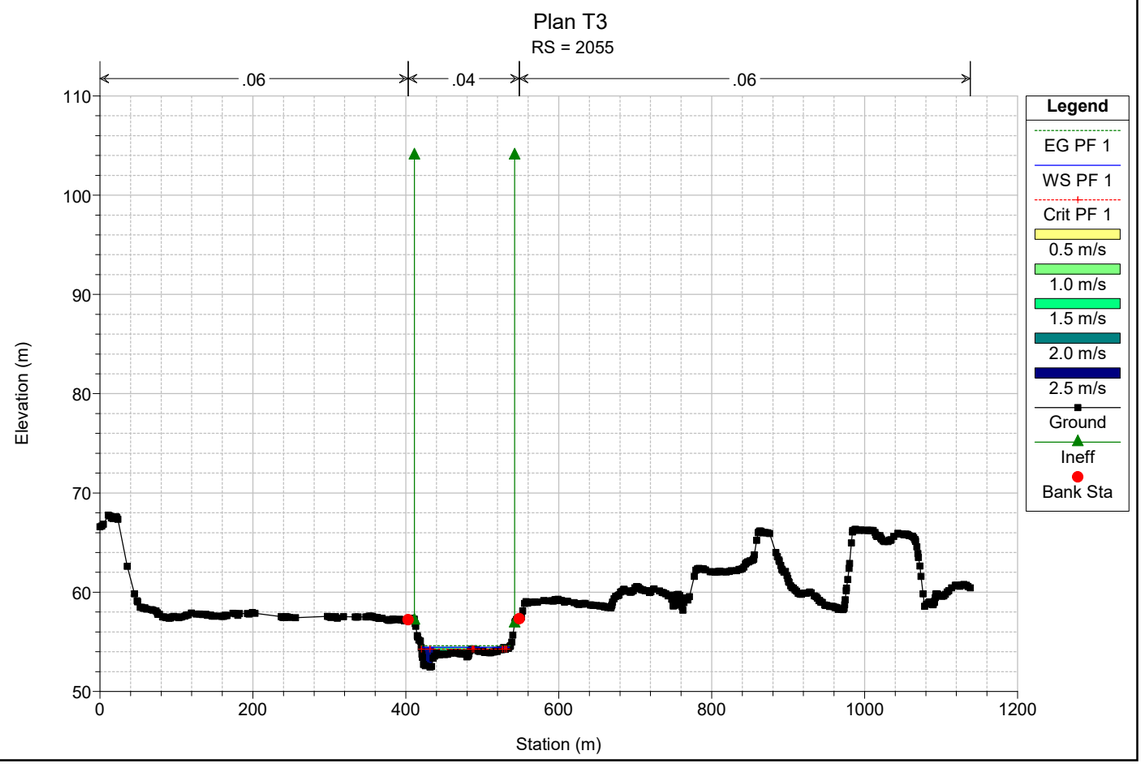

Plan T3
RS = 2448
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

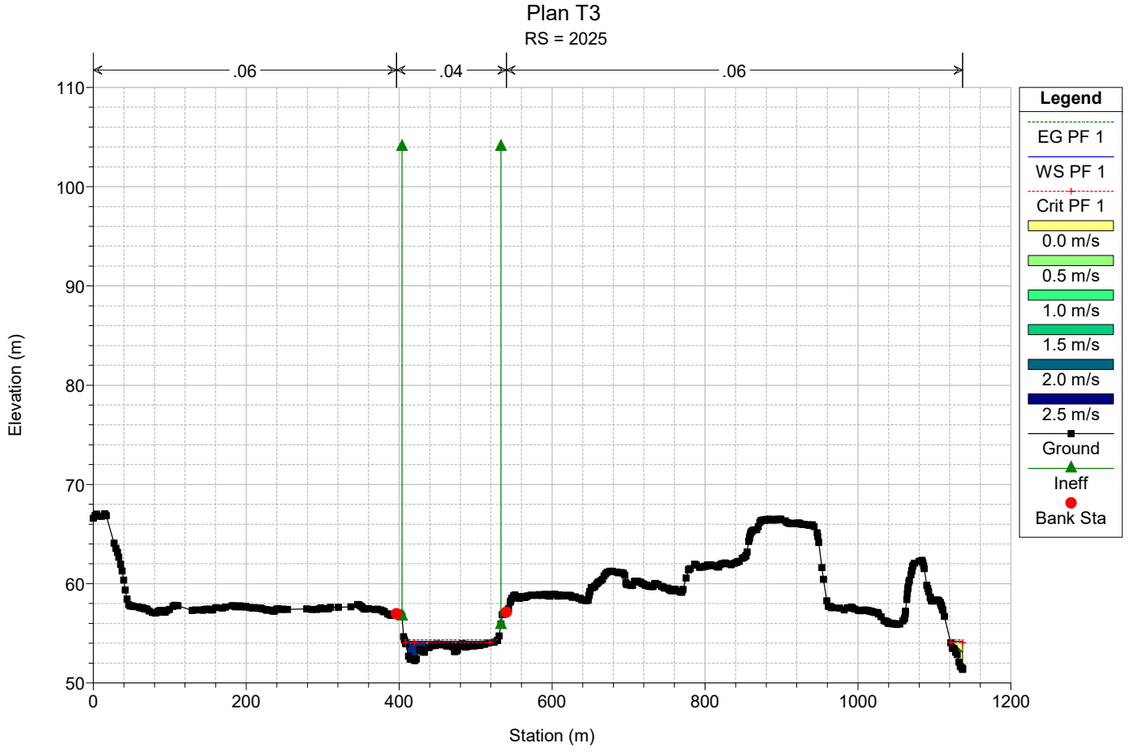

Plan T3
RS = 2178
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

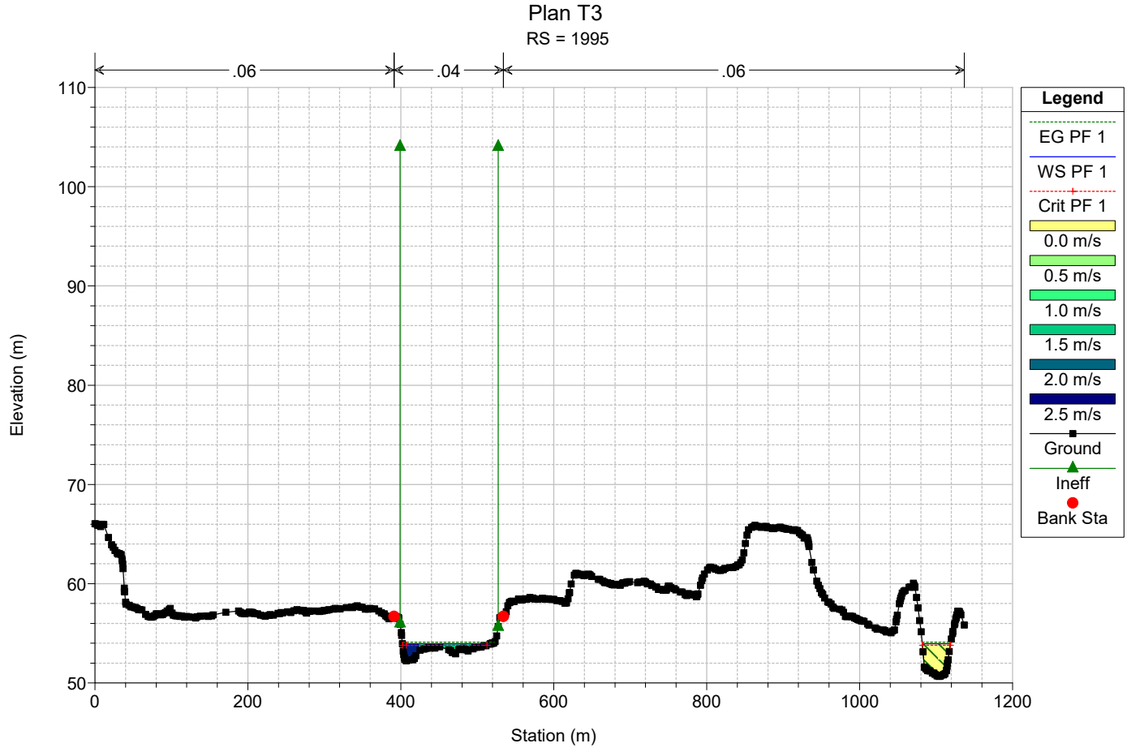

Plan T3
RS = 2151
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

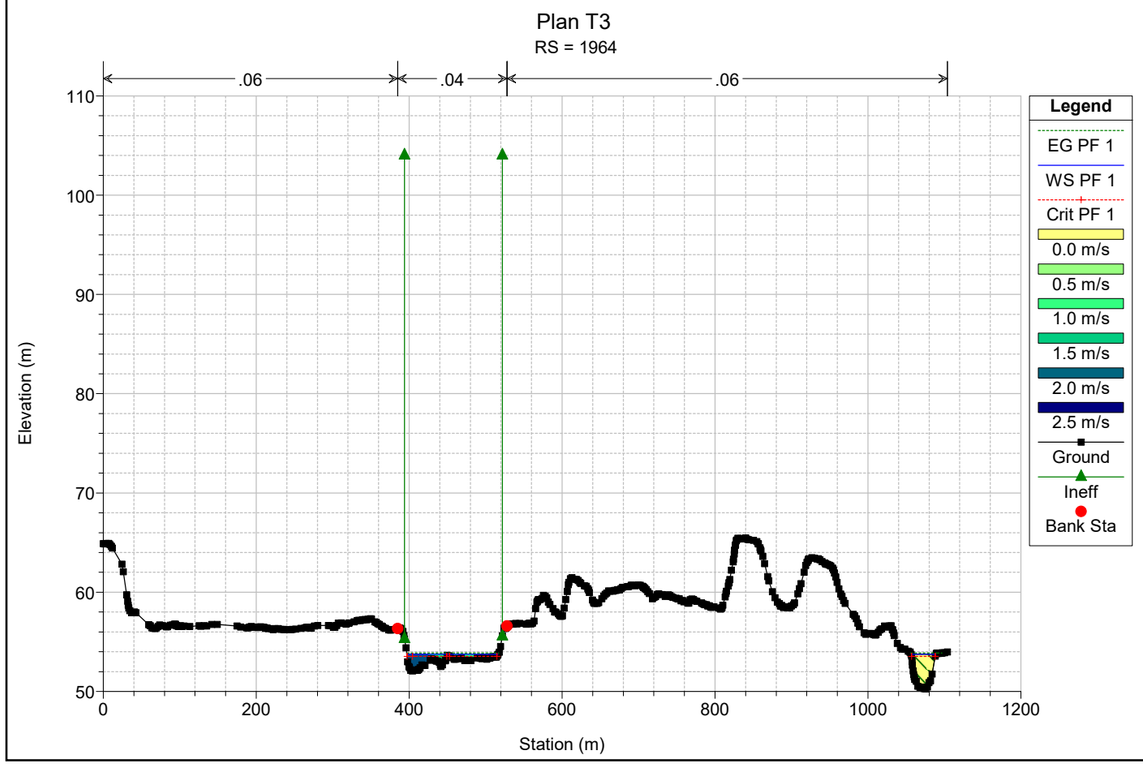

Plan T3
RS = 2120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

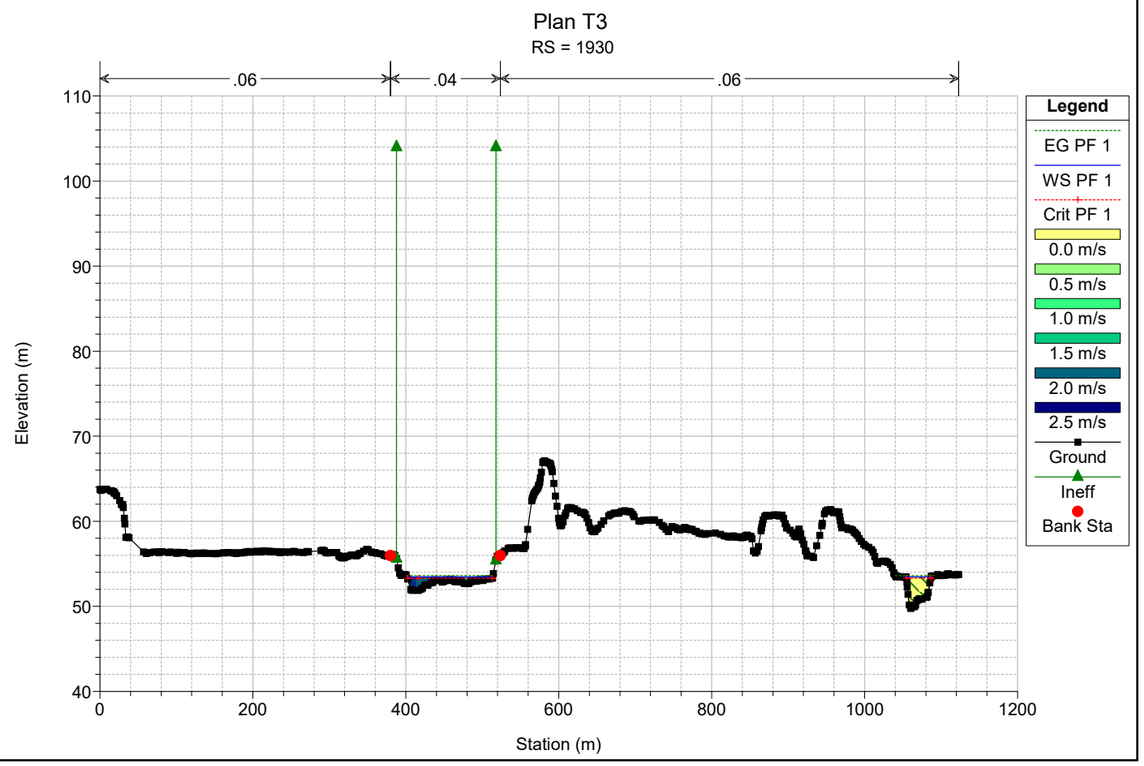

Plan T3
RS = 2085
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
Ground
Ineff
Bank Sta

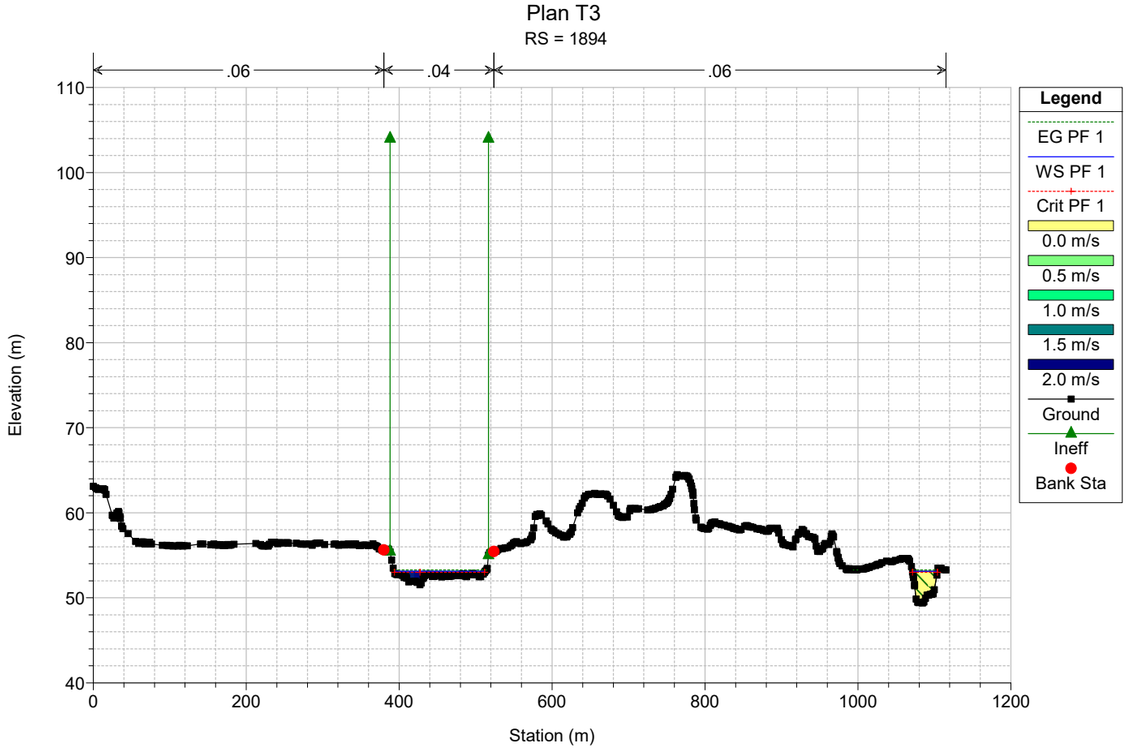

Plan T3
RS = 2055
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

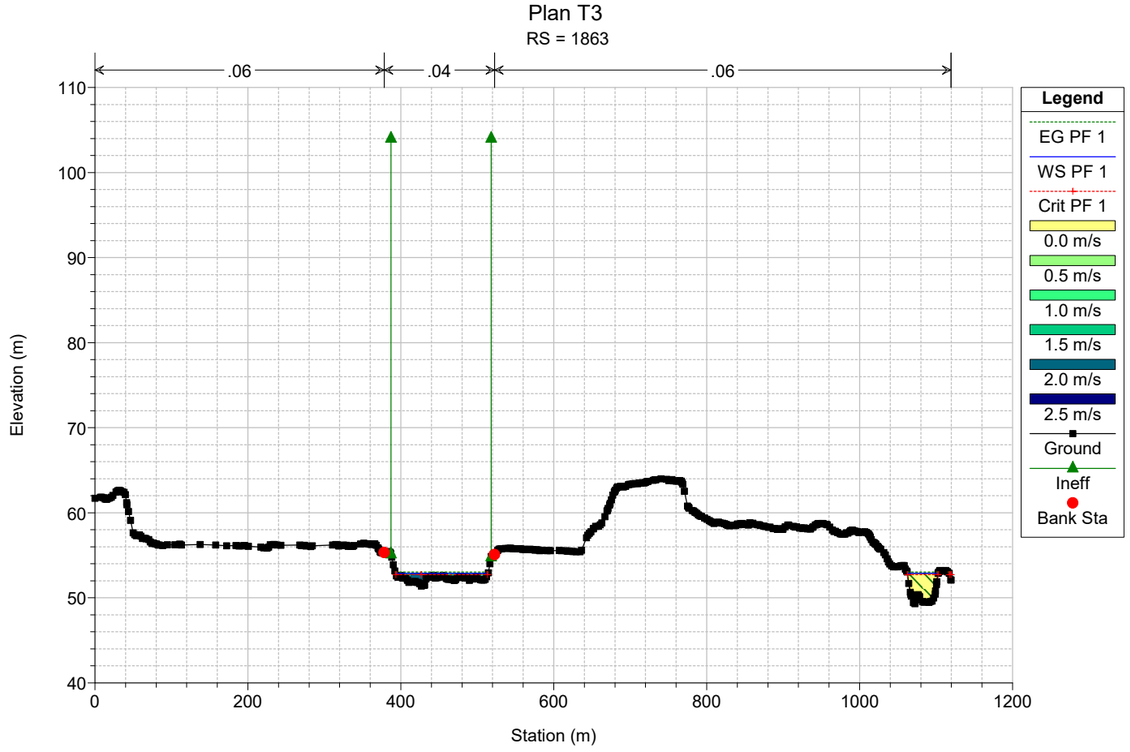

Plan T3
RS = 2025
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

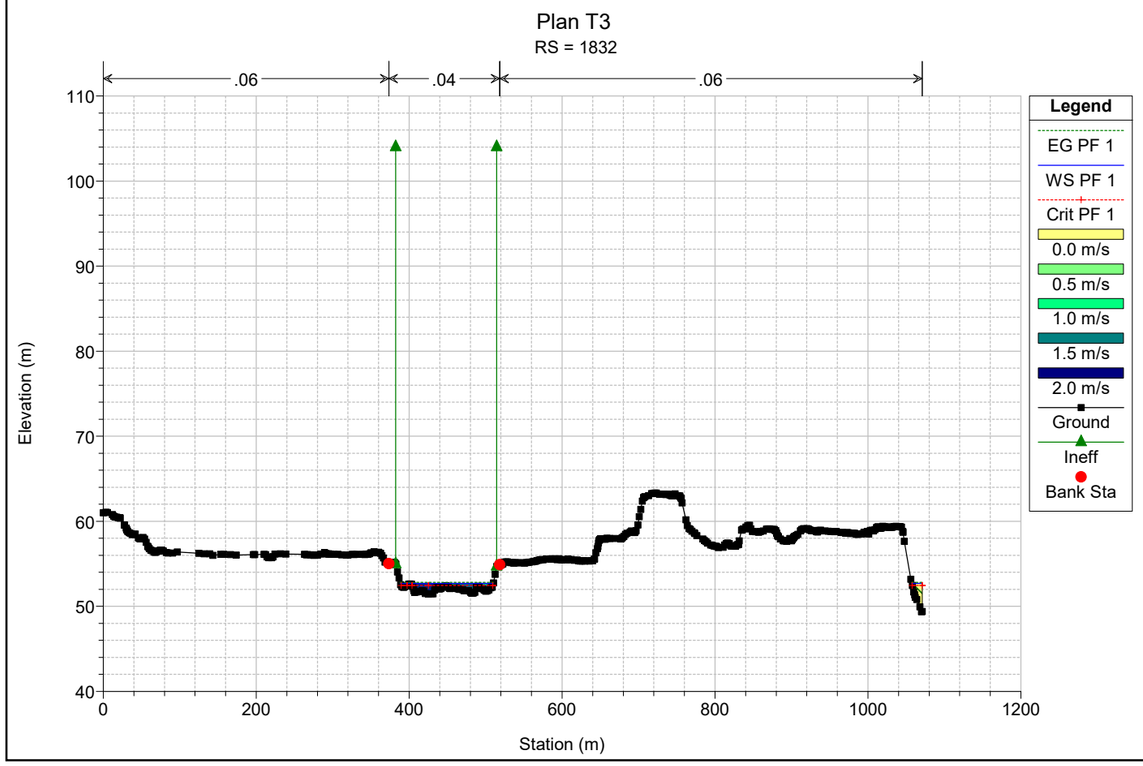

Plan T3
RS = 1995
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

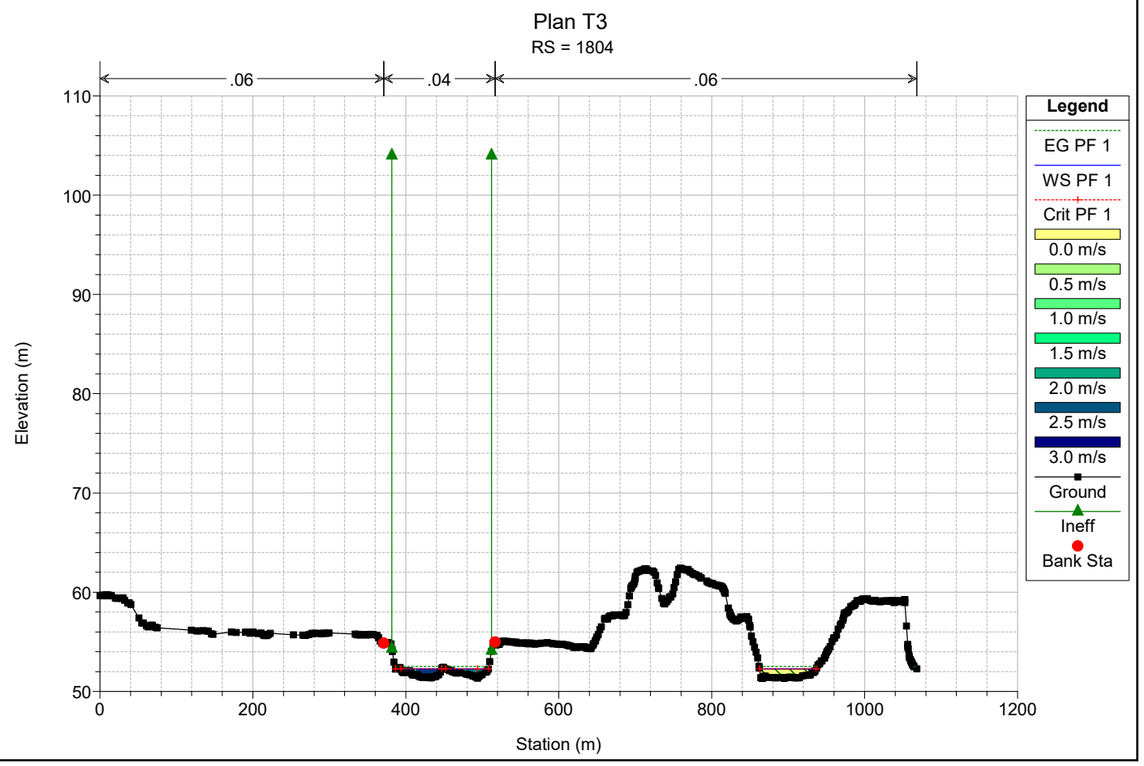

Plan T3
RS = 1964
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

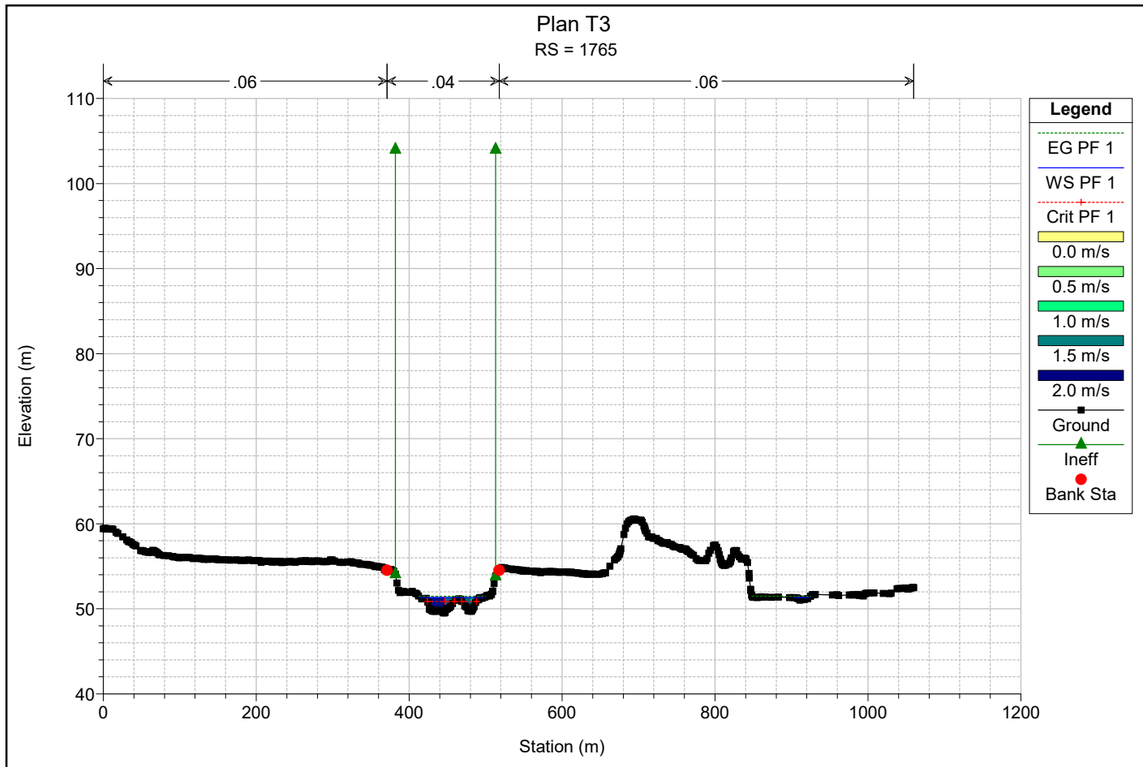

Plan T3
RS = 1930
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

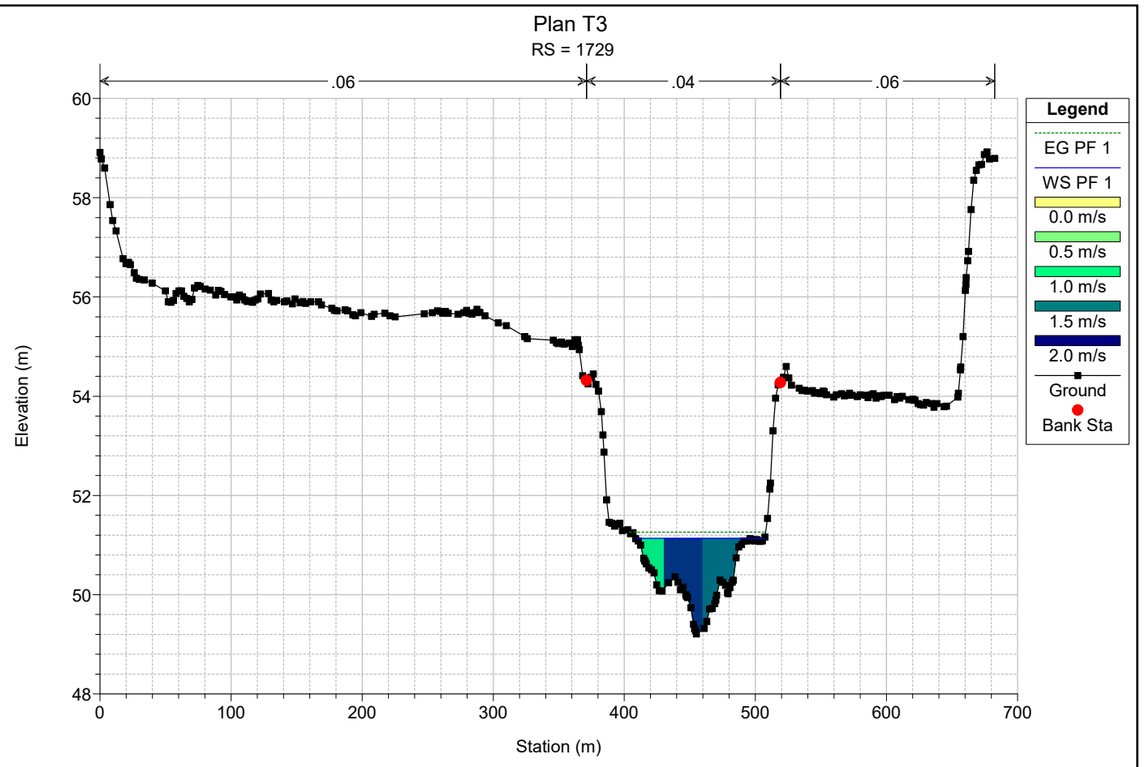

Plan T3
RS = 1894
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

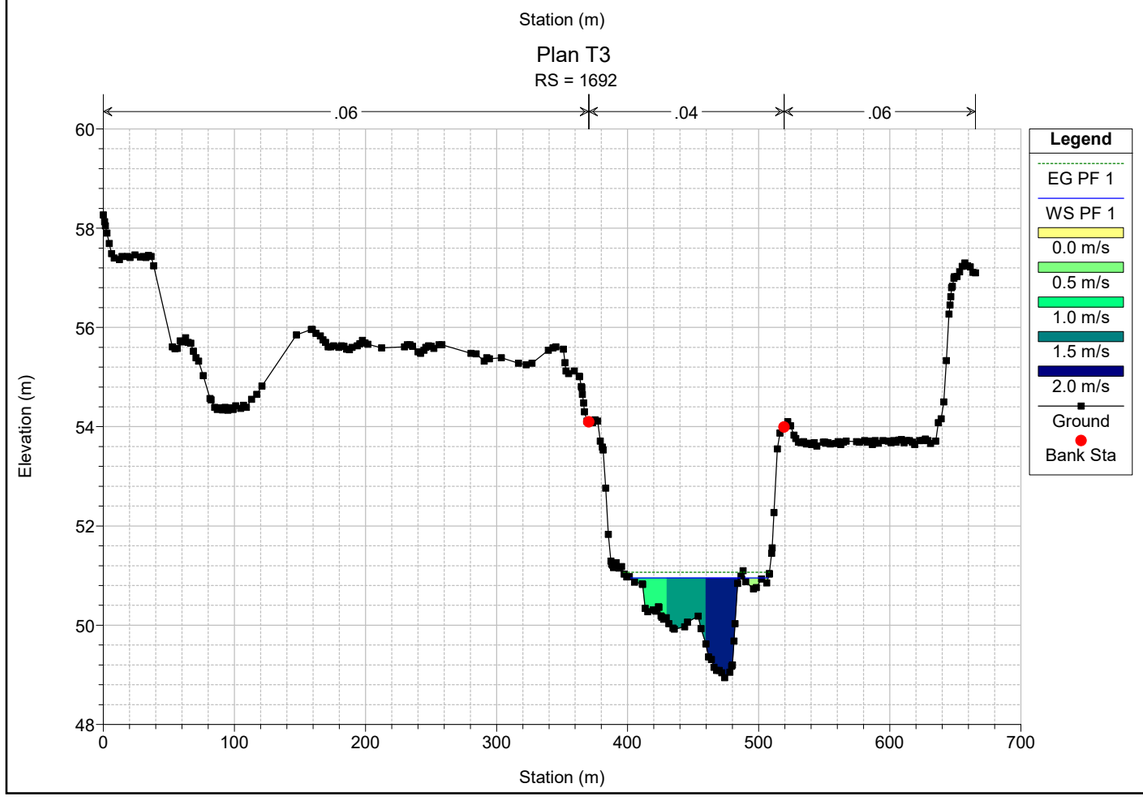

Plan T3
RS = 1863
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

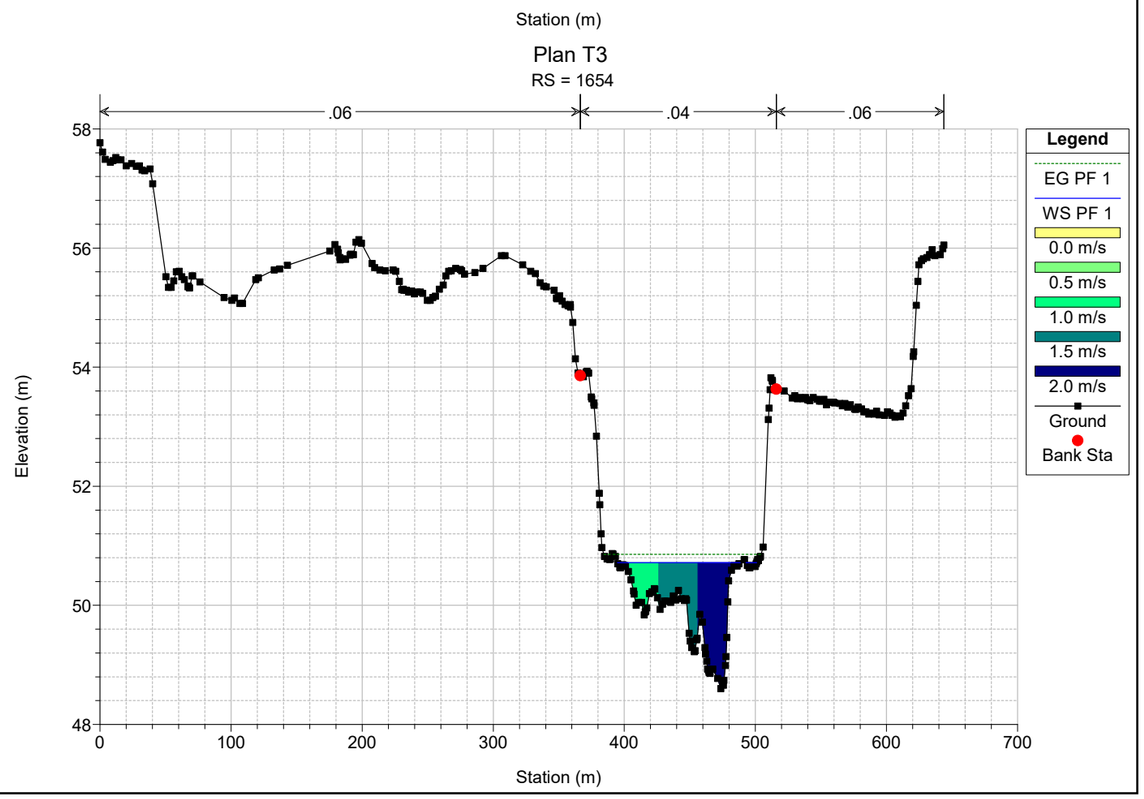

Plan T3
RS = 1832
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

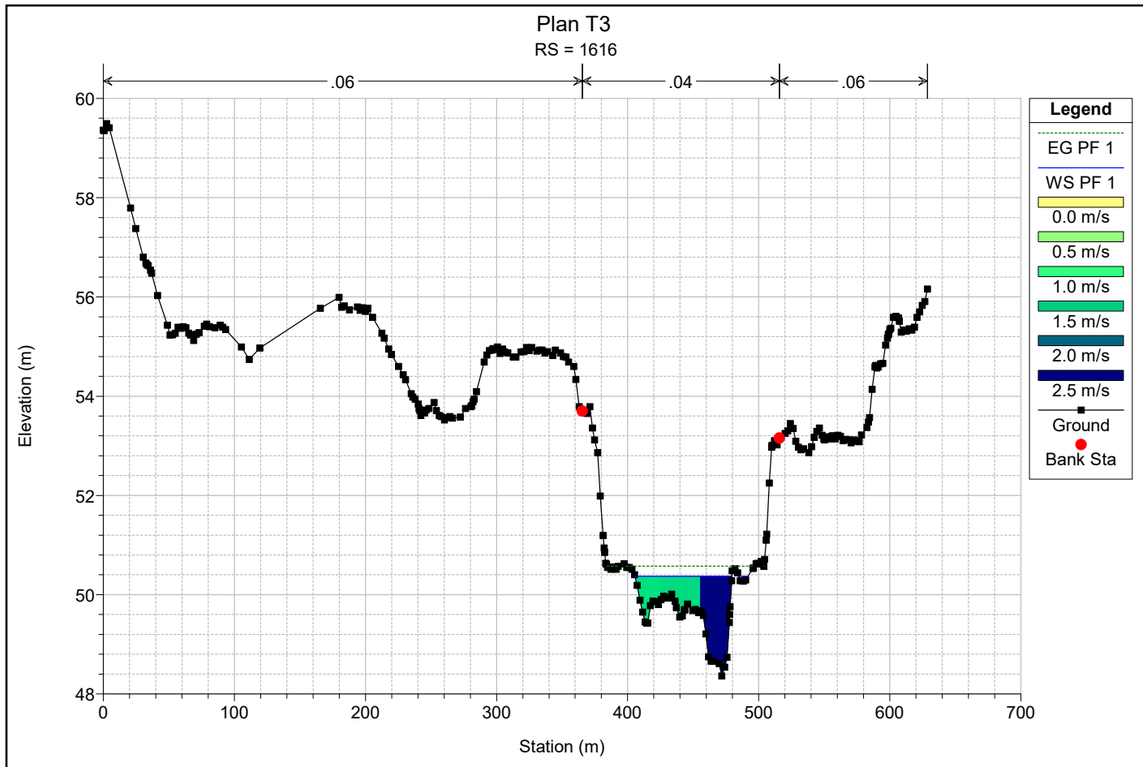

Plan T3
RS = 1804
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

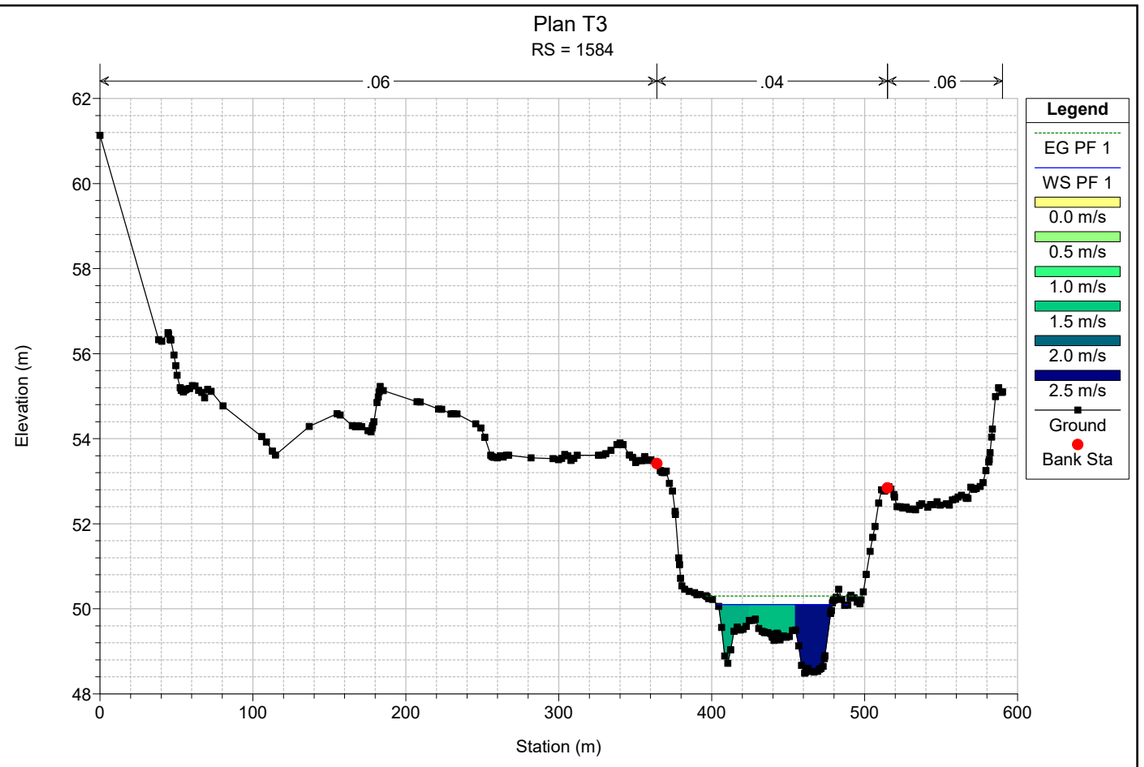

Plan T3
RS = 1765
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

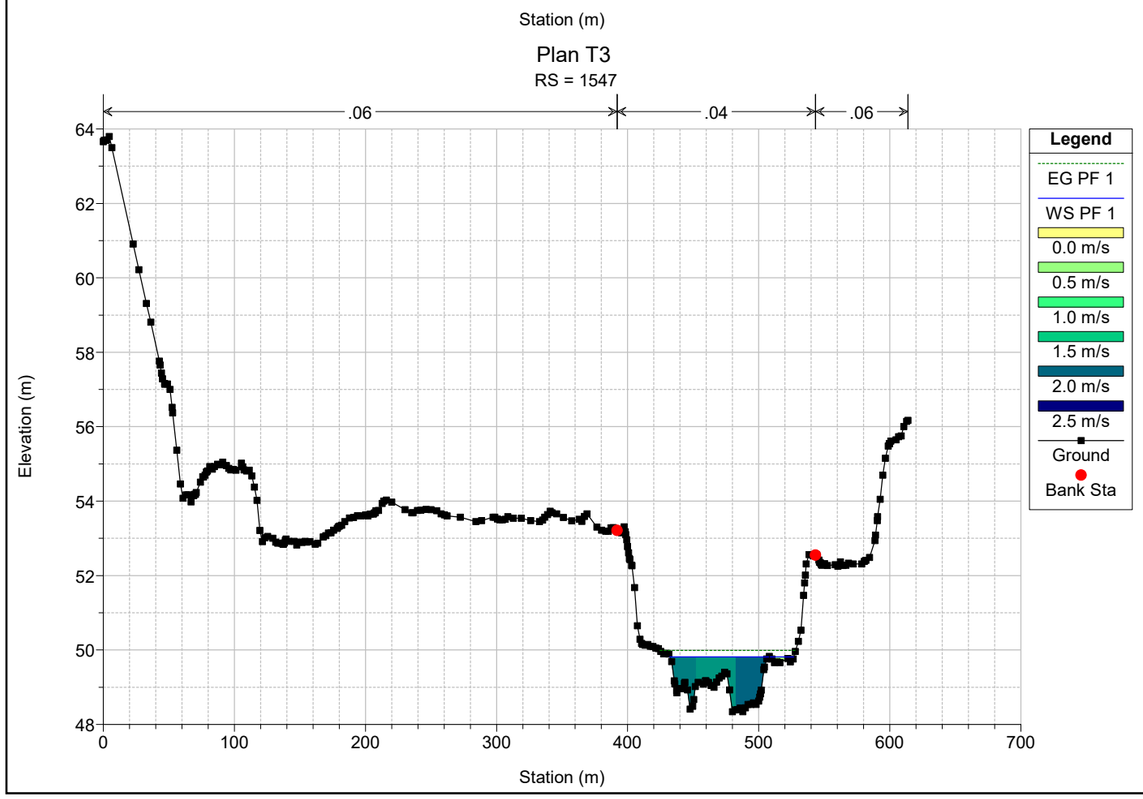

Plan T3
RS = 1729
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

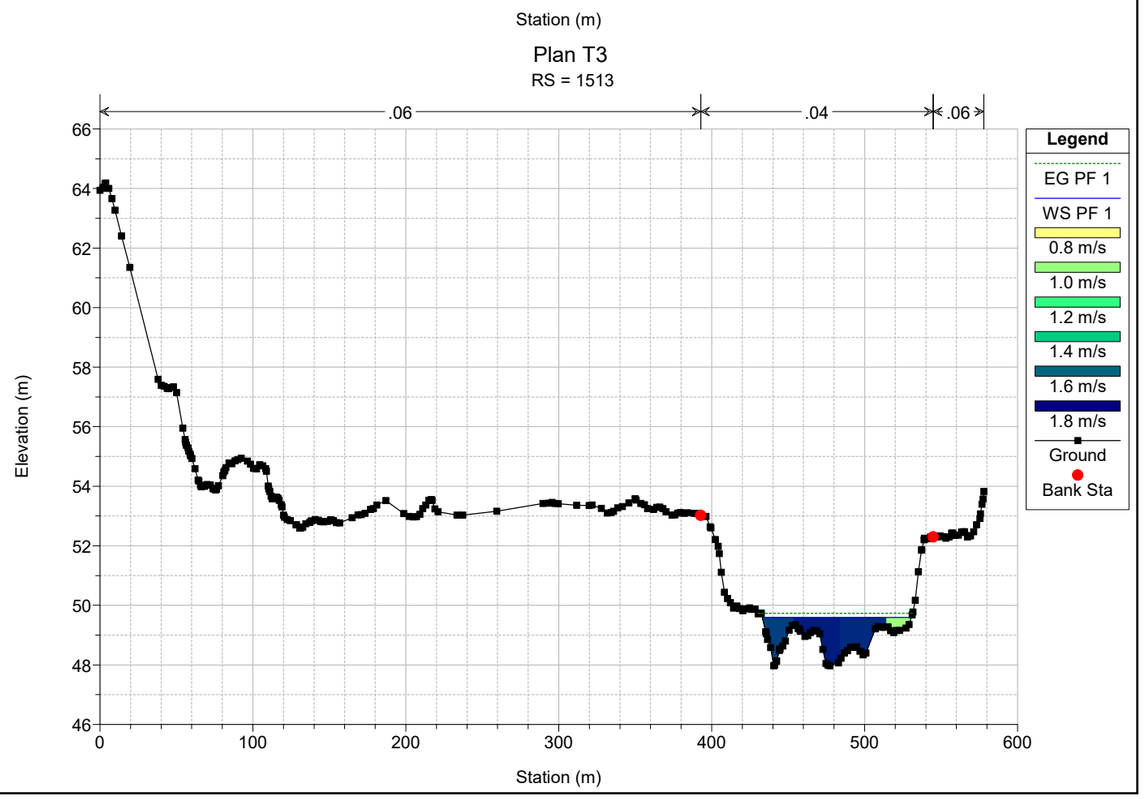

Plan T3
RS = 1692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

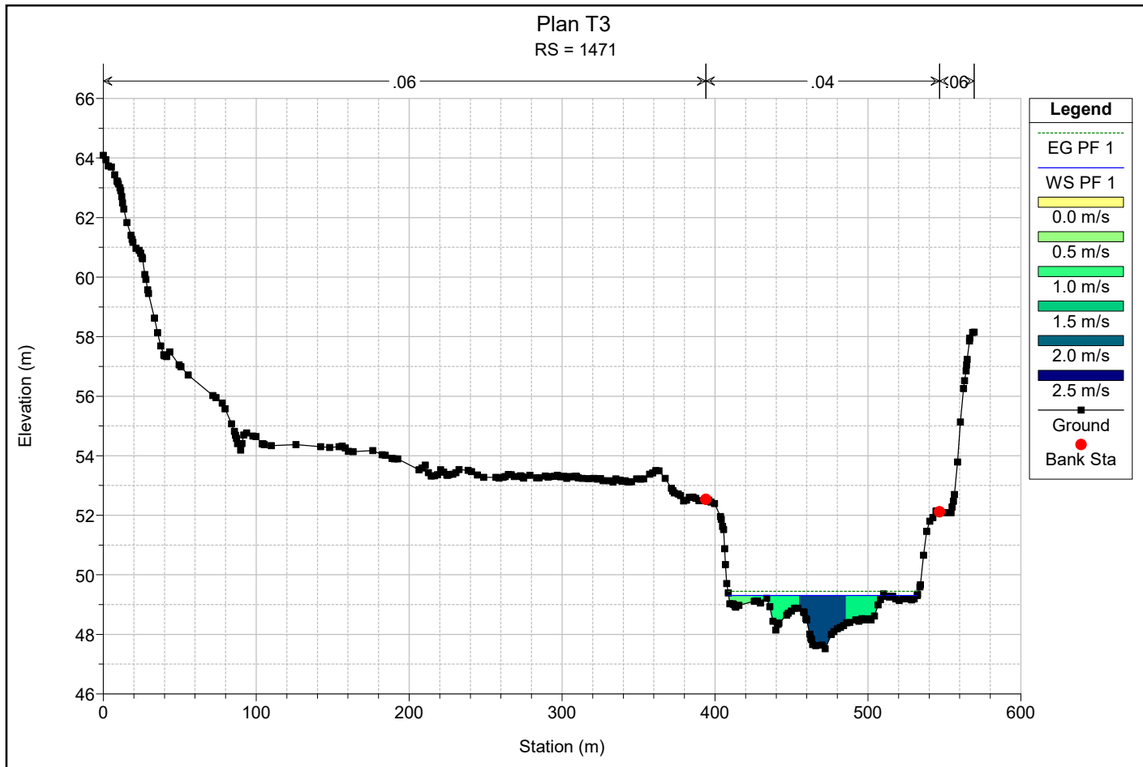

Plan T3
RS = 1654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Bank Sta

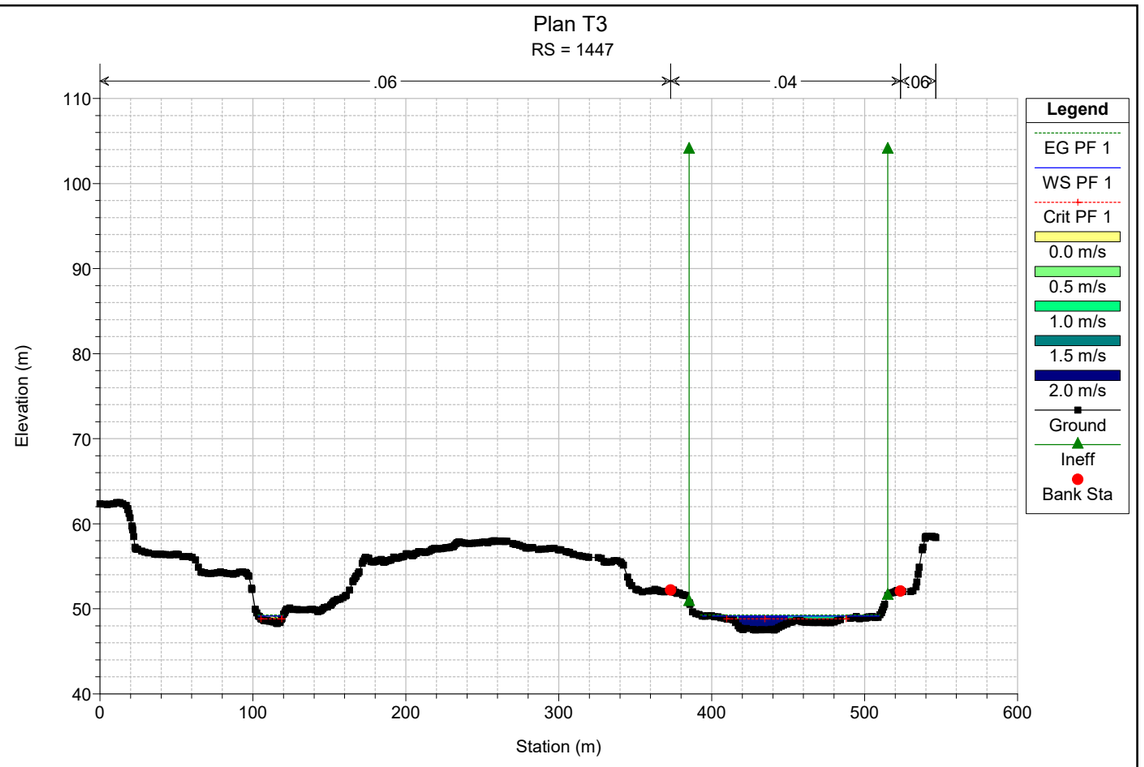

Plan T3
RS = 1616
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

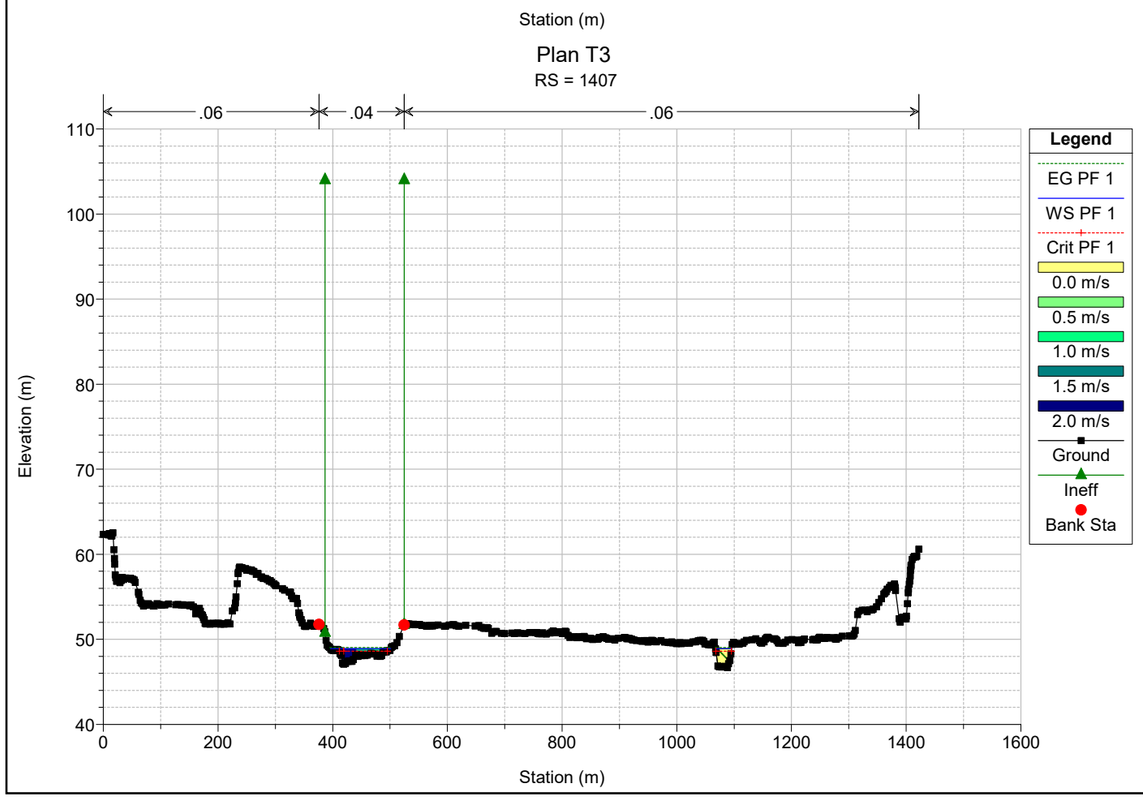

Plan T3
RS = 1584
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

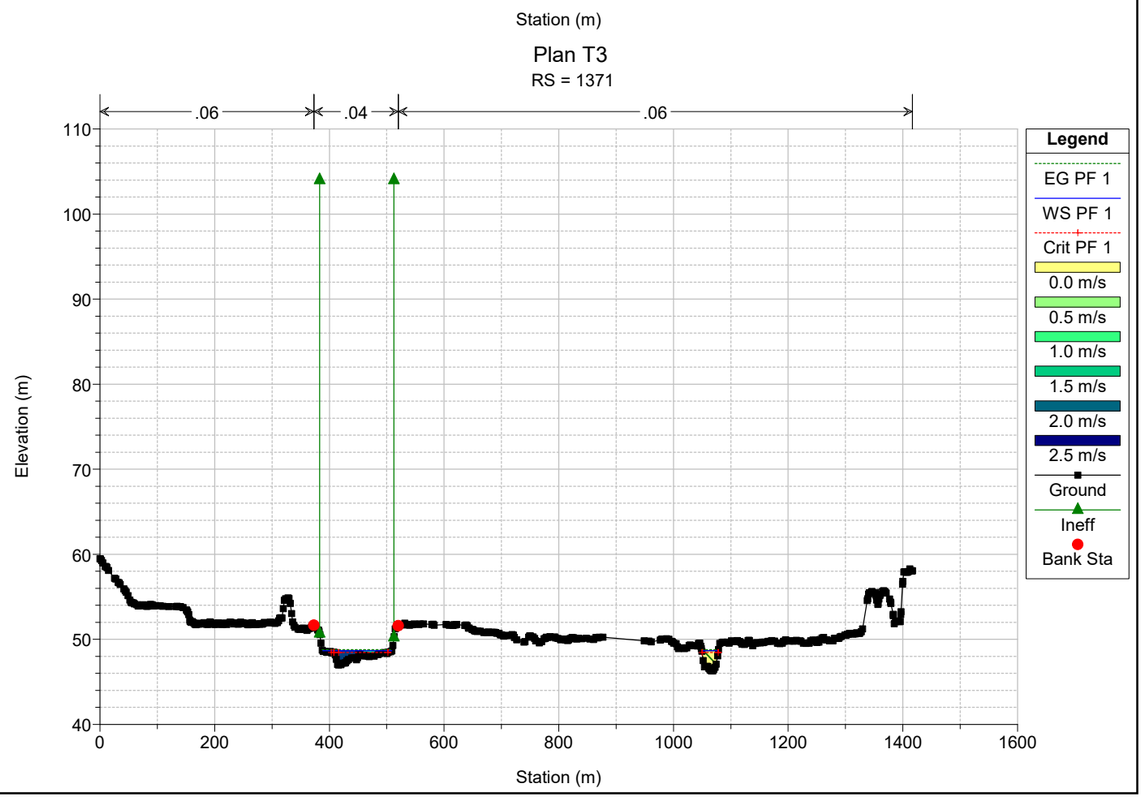

Plan T3
RS = 1547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

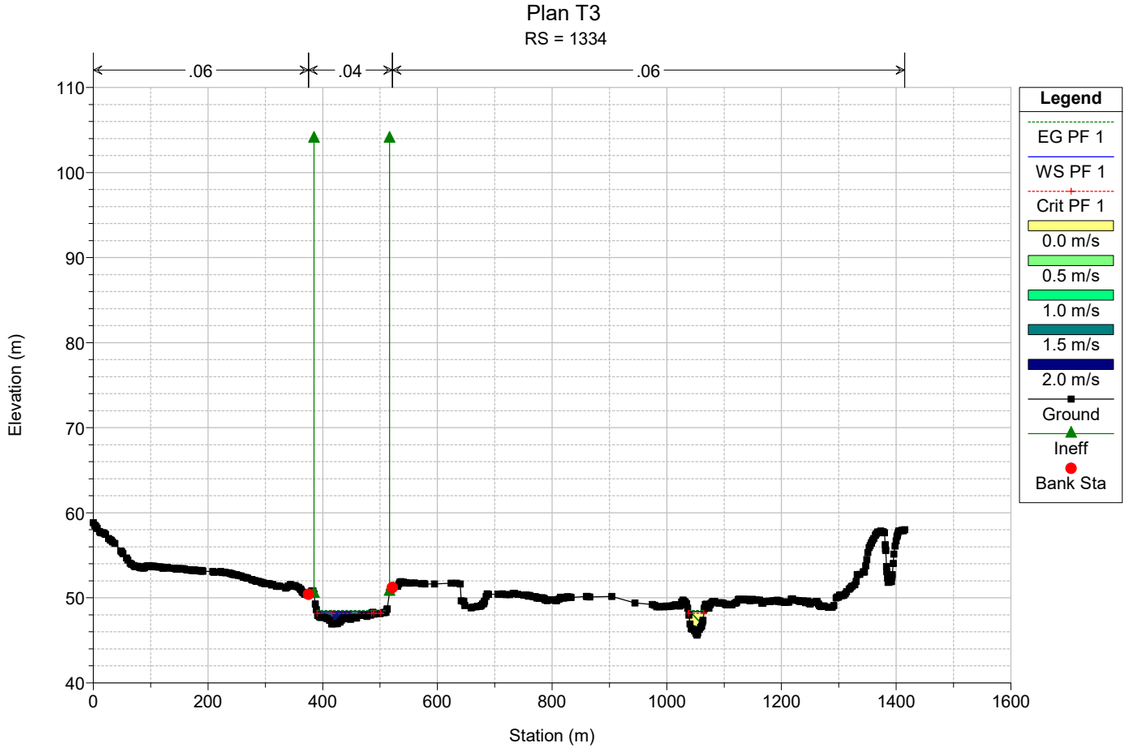

Plan T3
RS = 1513
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.8 m/s
1.0 m/s
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
Ground
Bank Sta

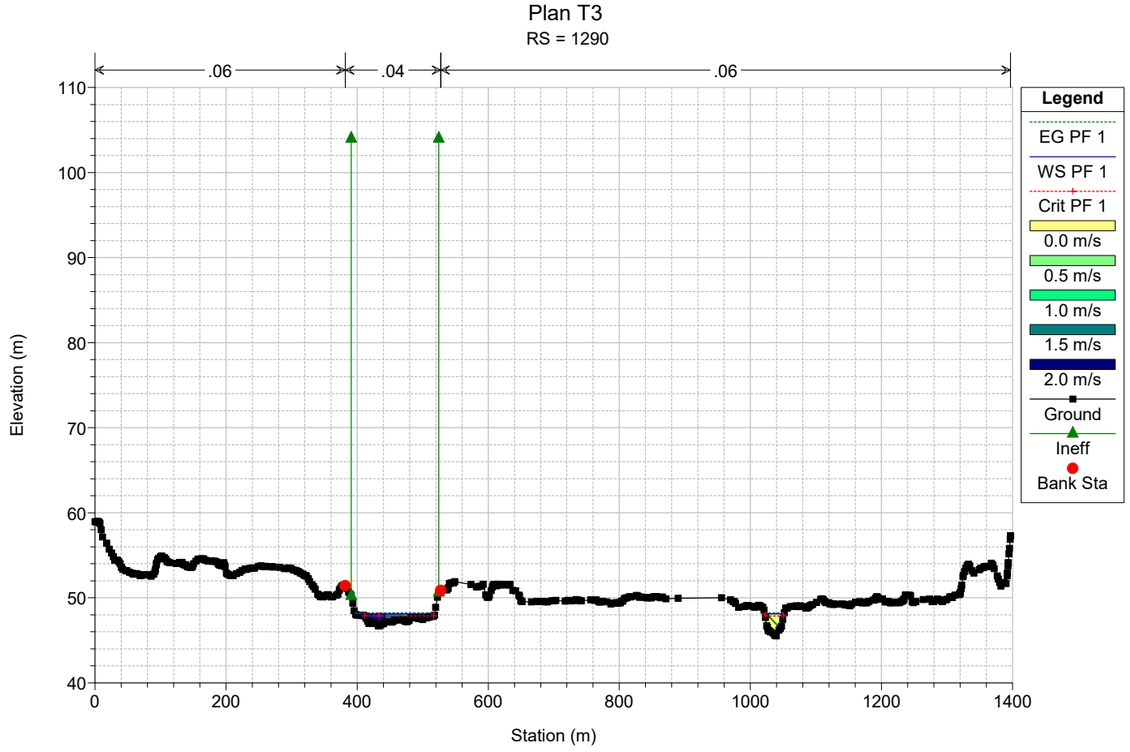

Plan T3
RS = 1471
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Bank Sta

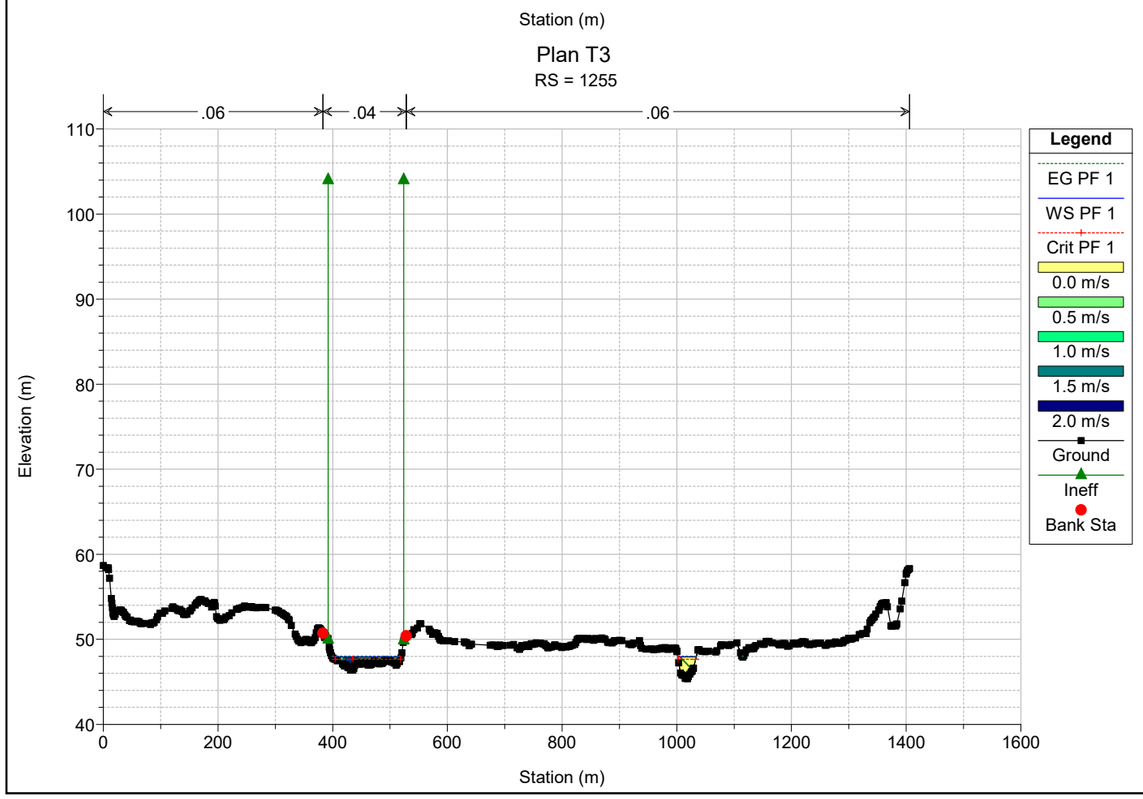

Plan T3
RS = 1447
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

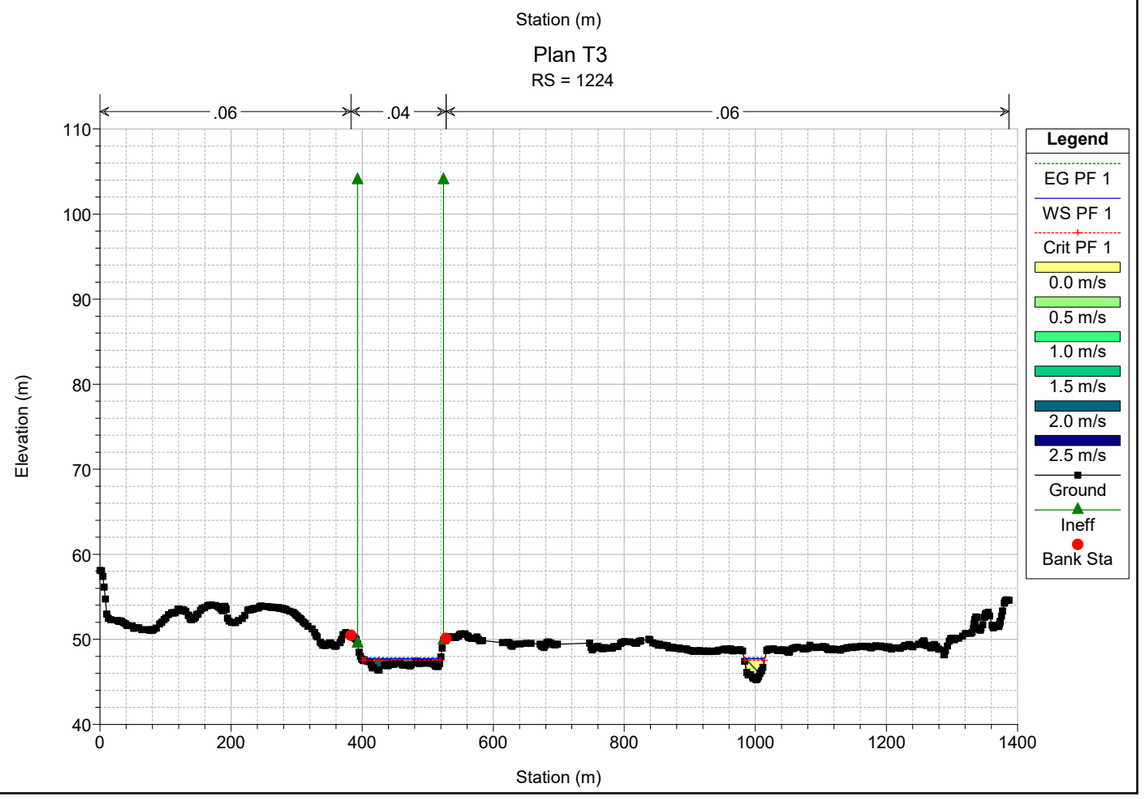

Plan T3
RS = 1407
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

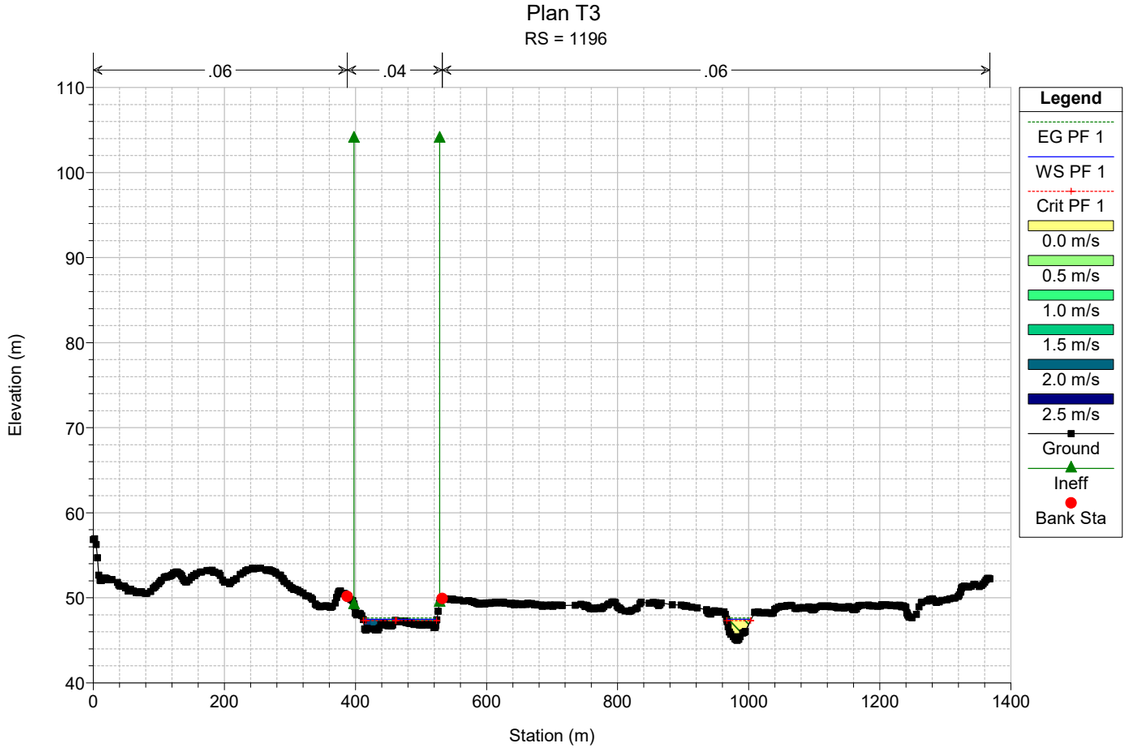

Plan T3
RS = 1371
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

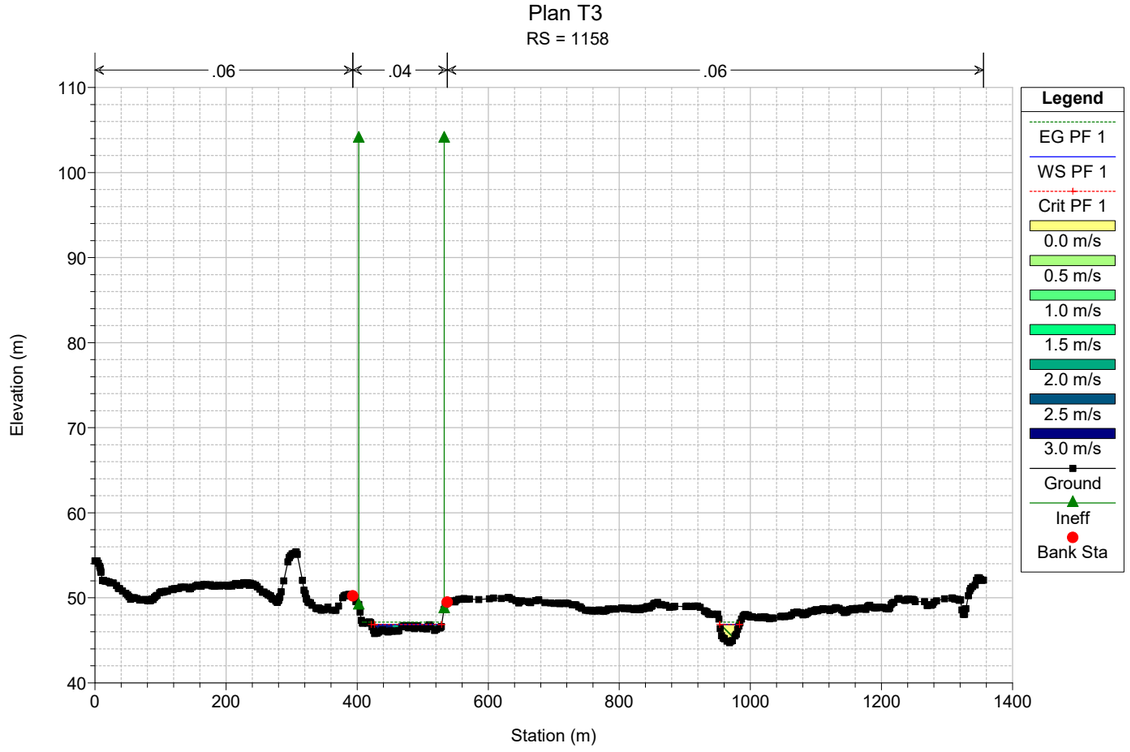

Plan T3
RS = 1334
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

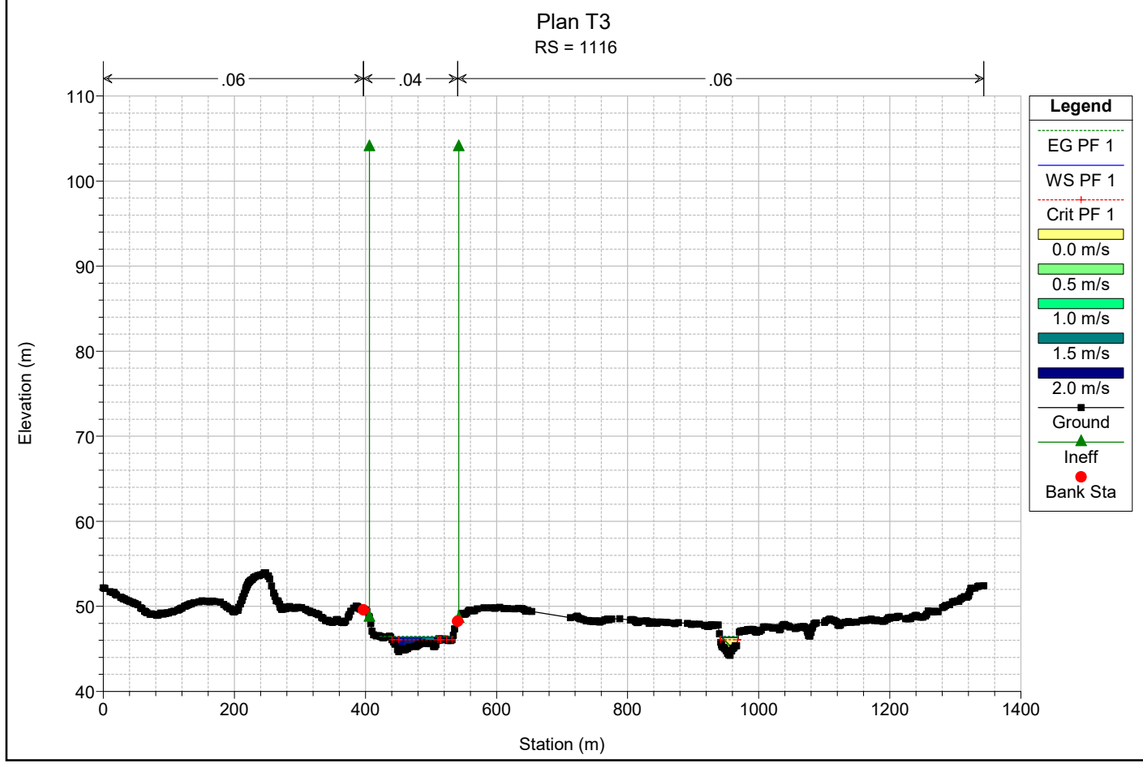

Plan T3
RS = 1290
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

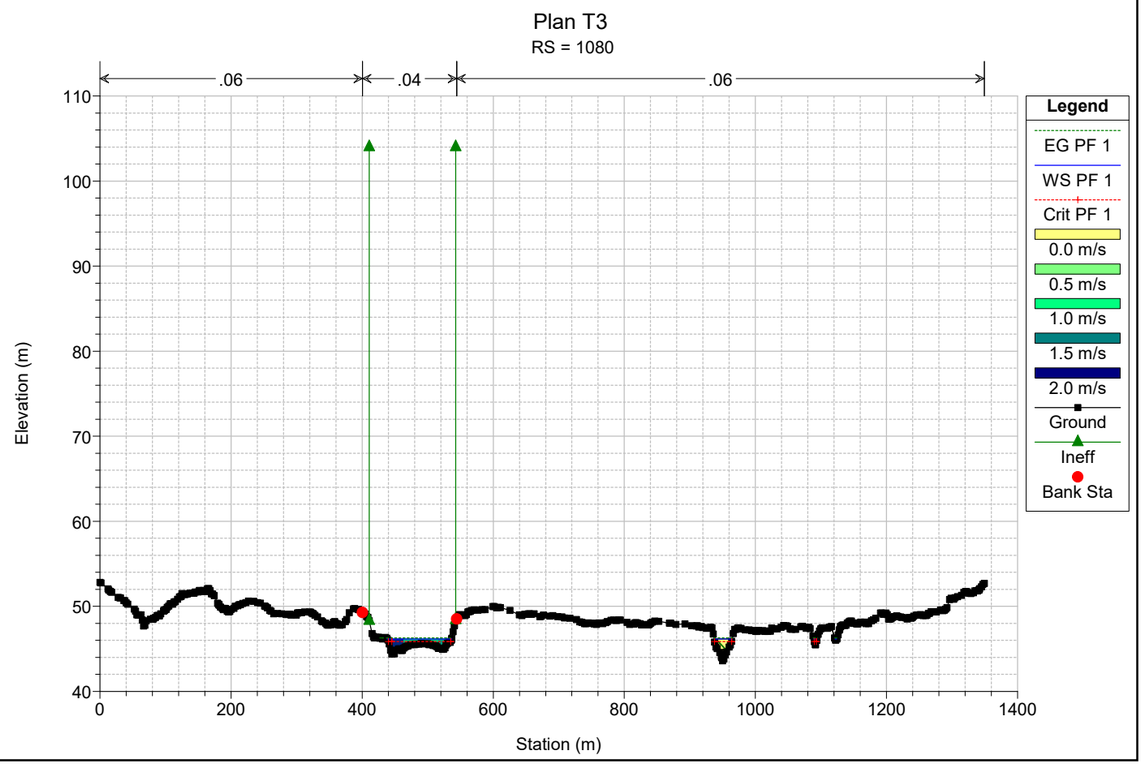

Plan T3
RS = 1255
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

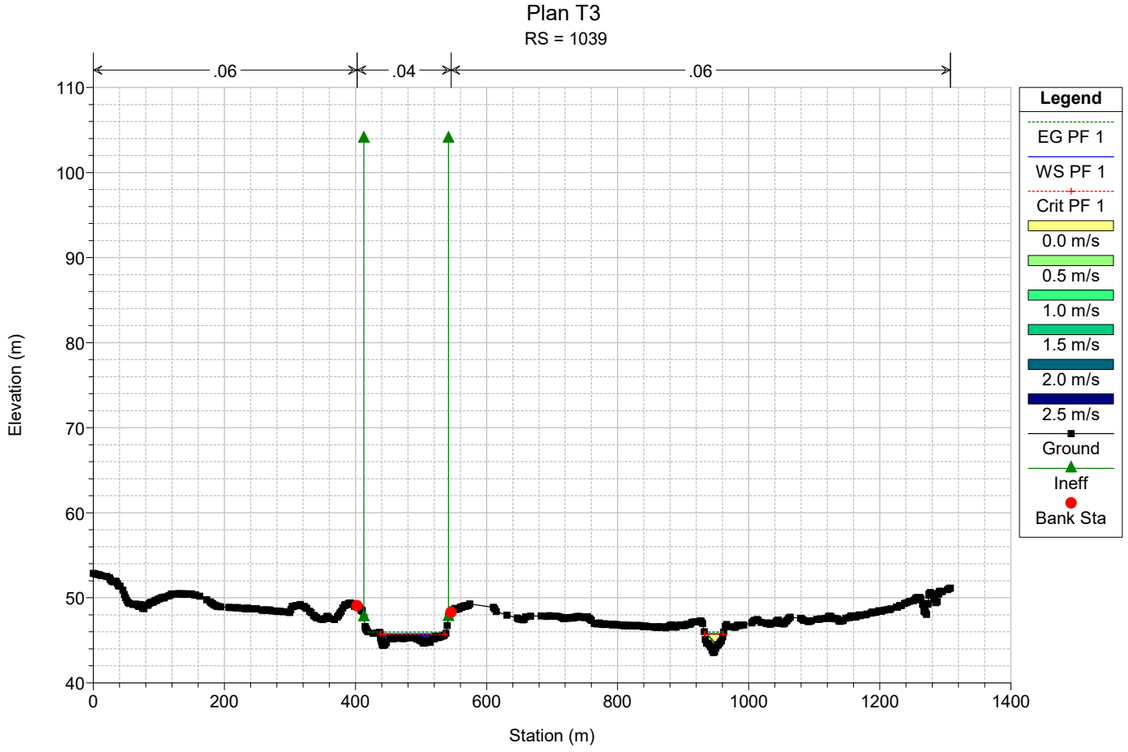

Plan T3
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

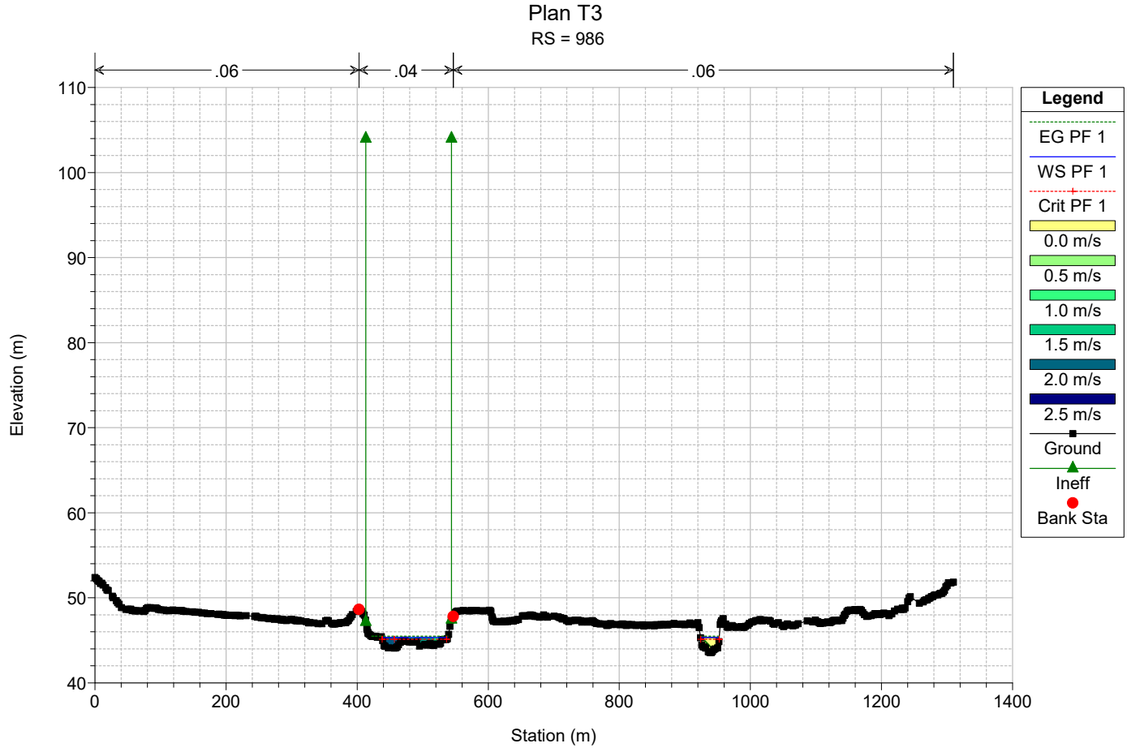

Plan T3
RS = 1196
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

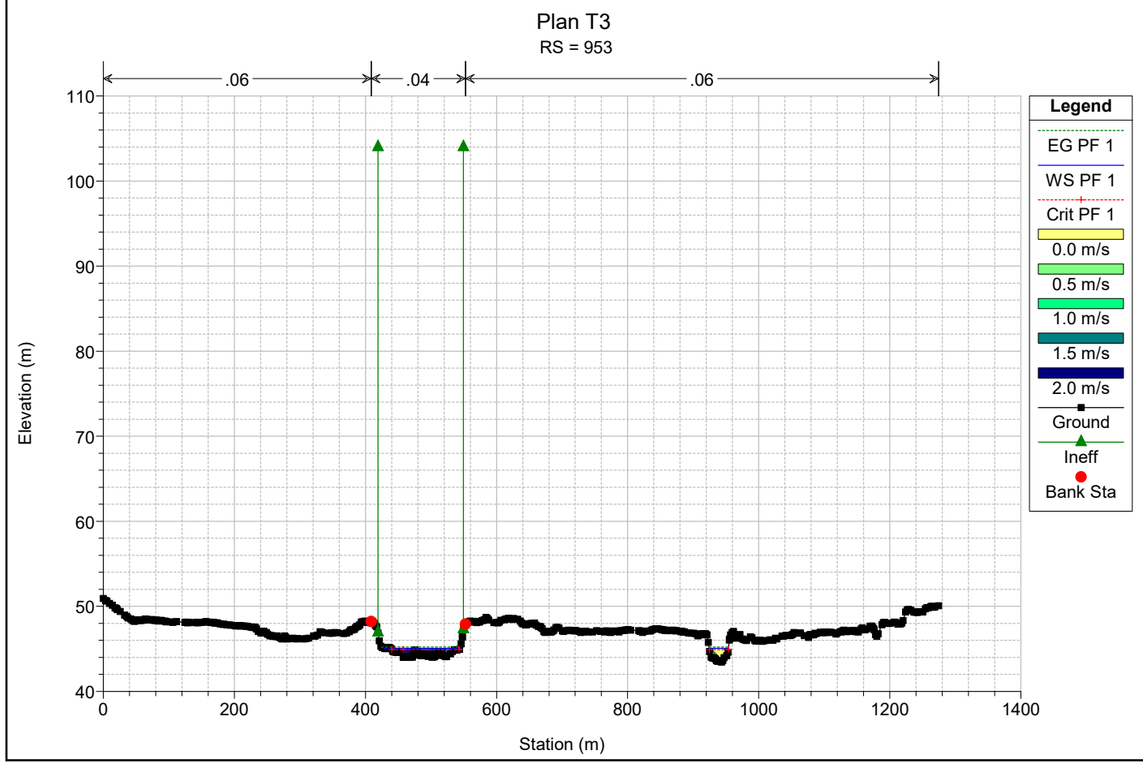

Plan T3
RS = 1158
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

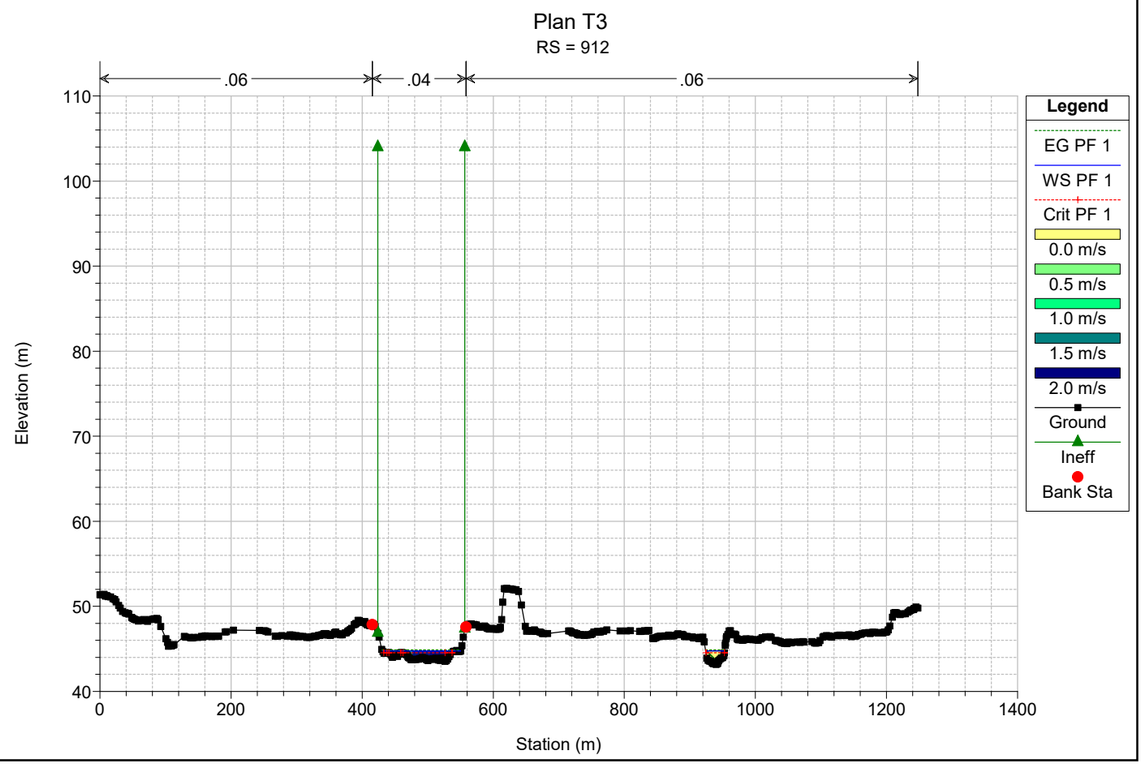

Plan T3
RS = 1116
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

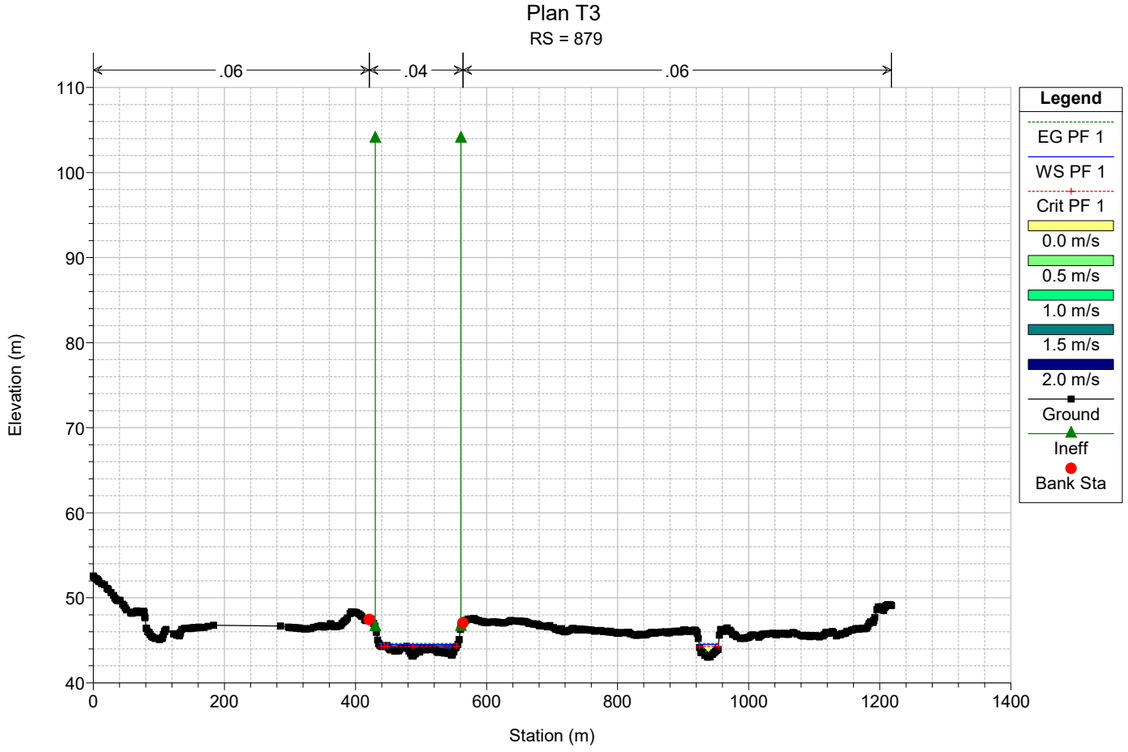

Plan T3
RS = 1080
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

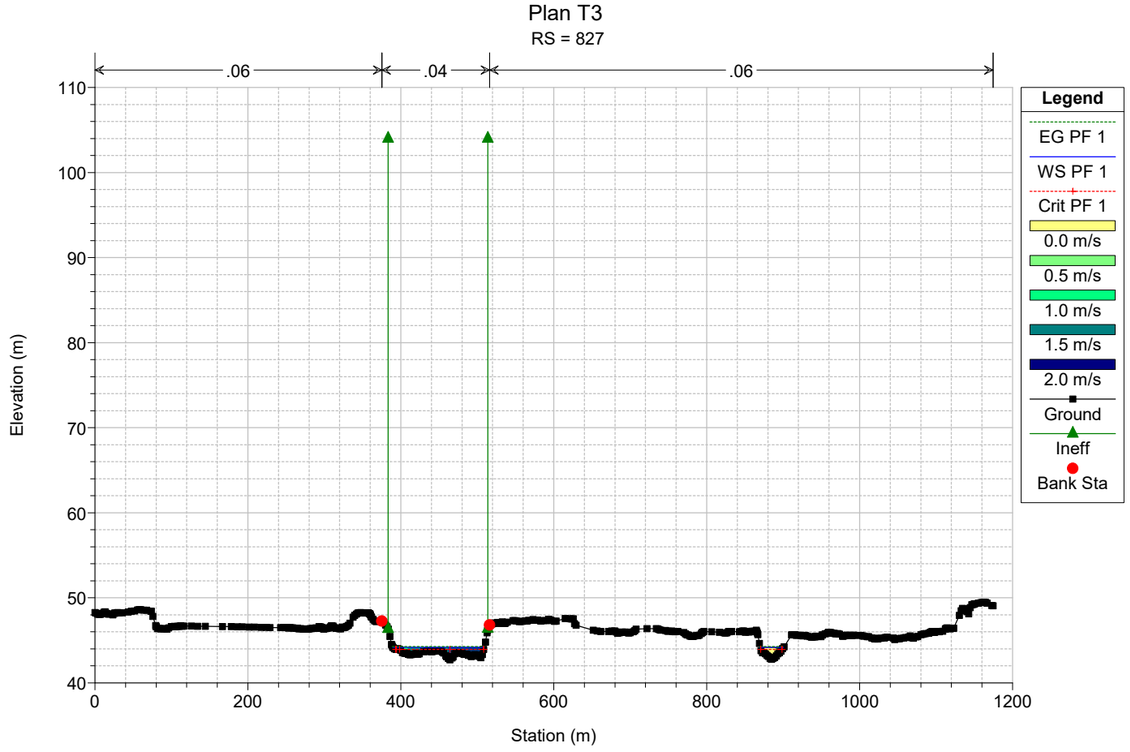

Plan T3
RS = 1039
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

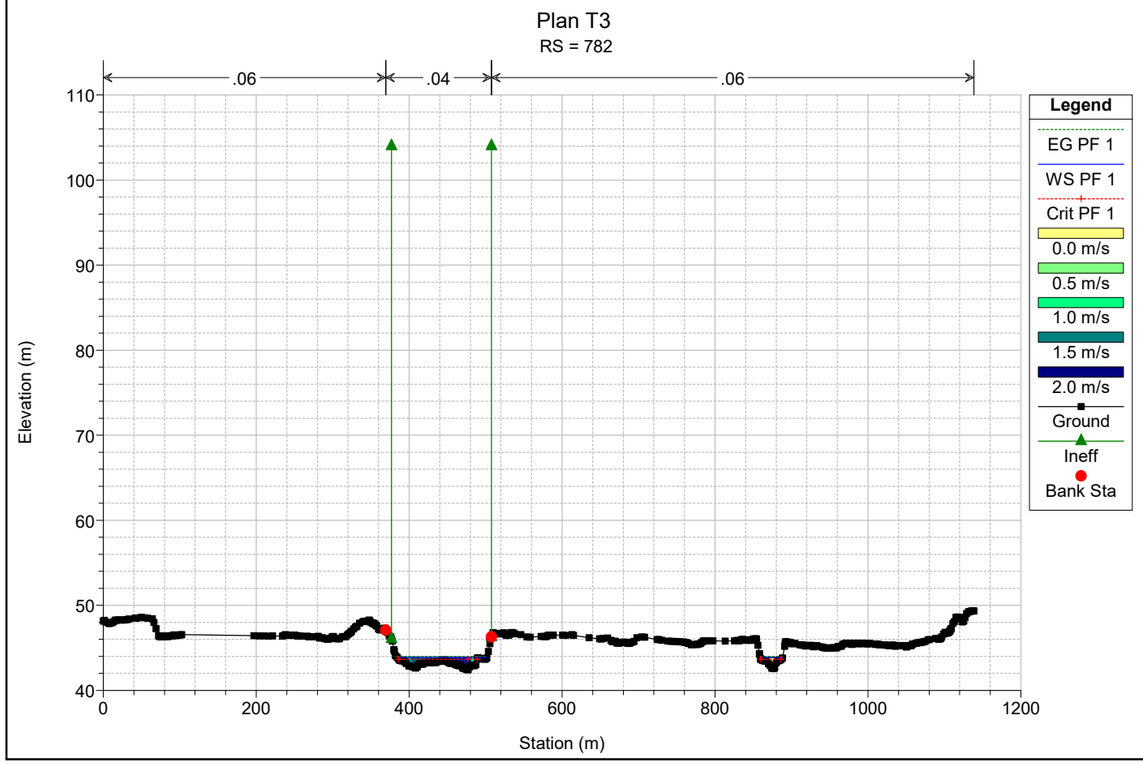

Plan T3
RS = 986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

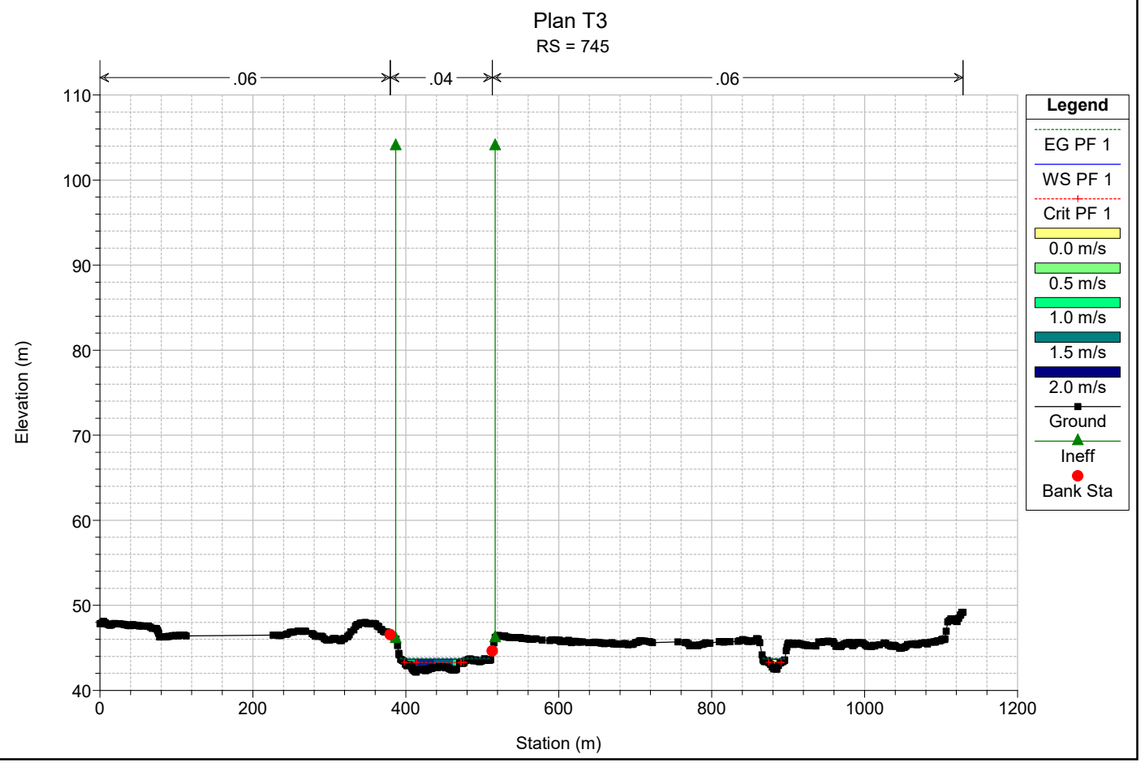

Plan T3
RS = 953
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

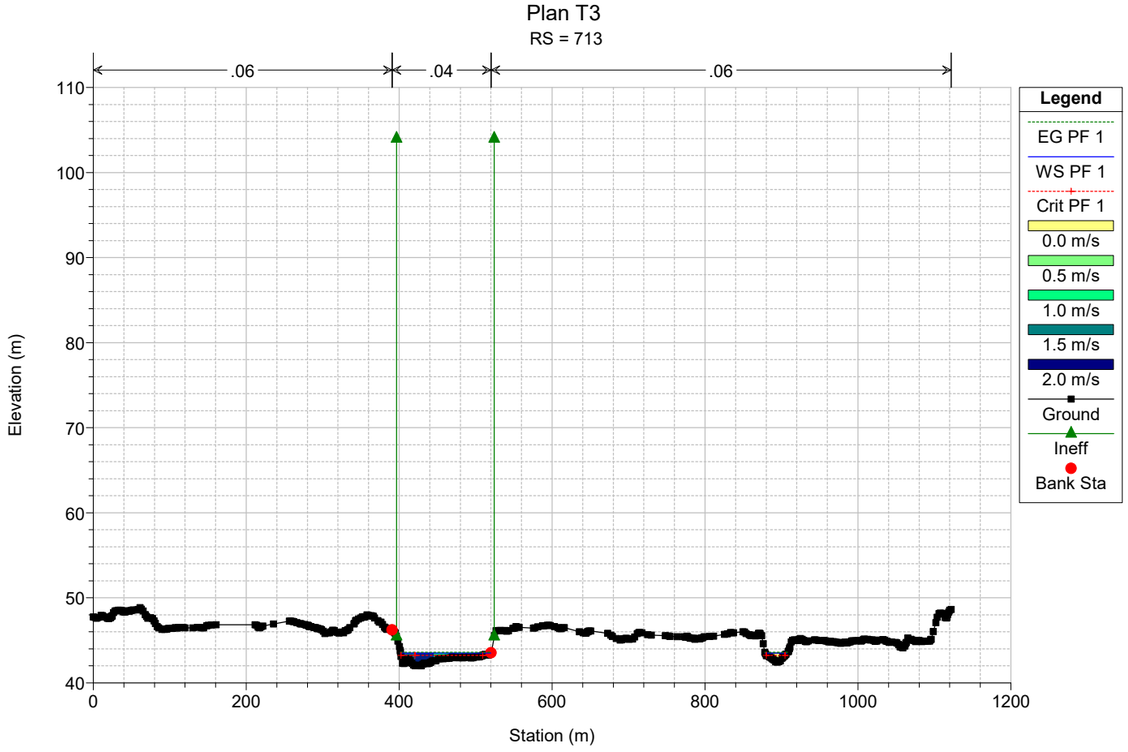

Plan T3
RS = 912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

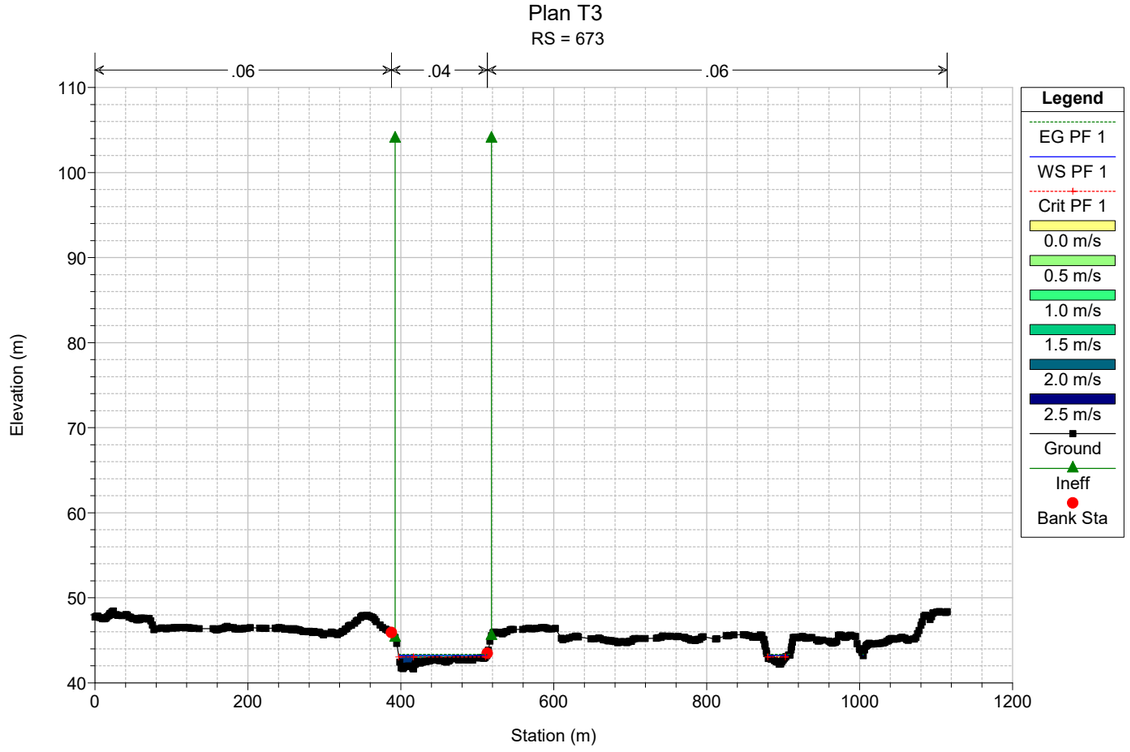

Plan T3
RS = 879
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

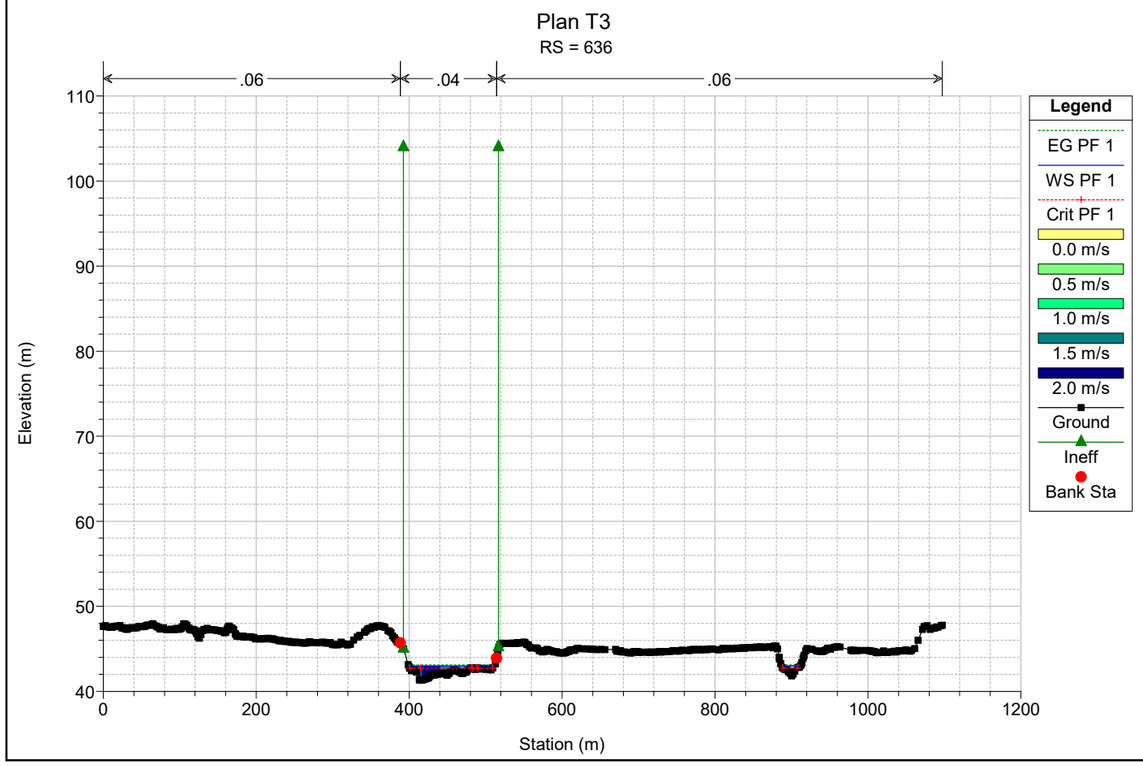

Plan T3
RS = 827
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

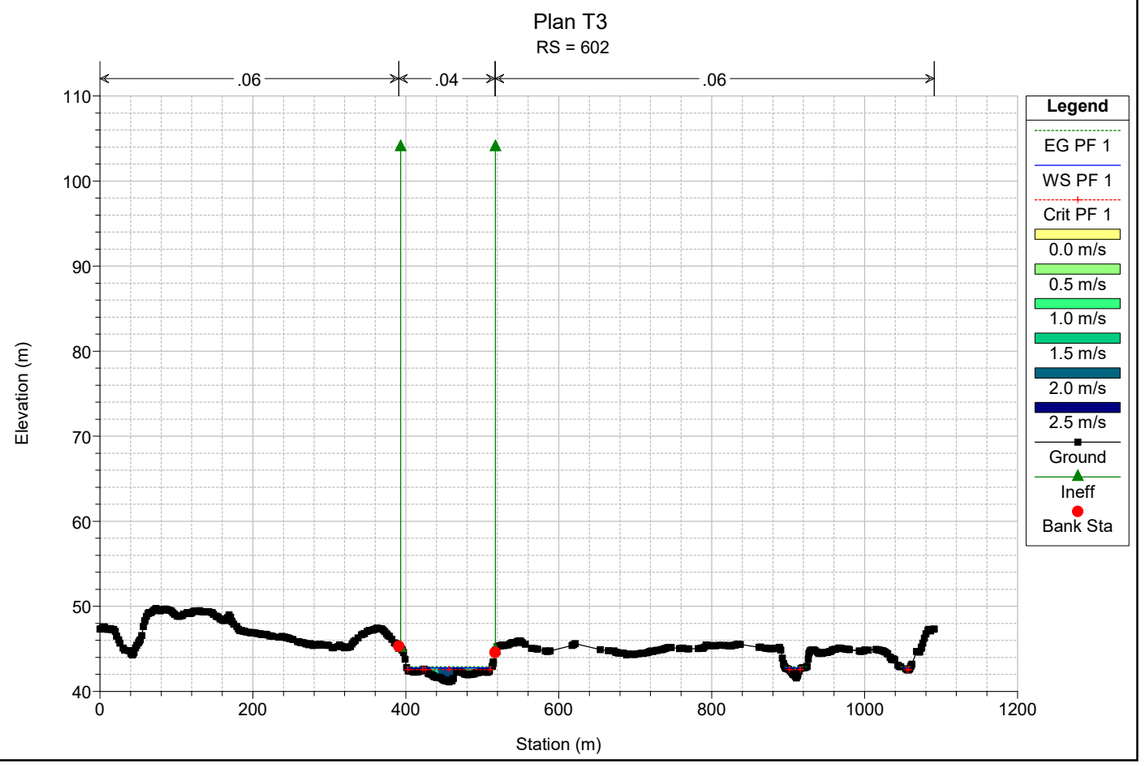

Plan T3
RS = 782
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

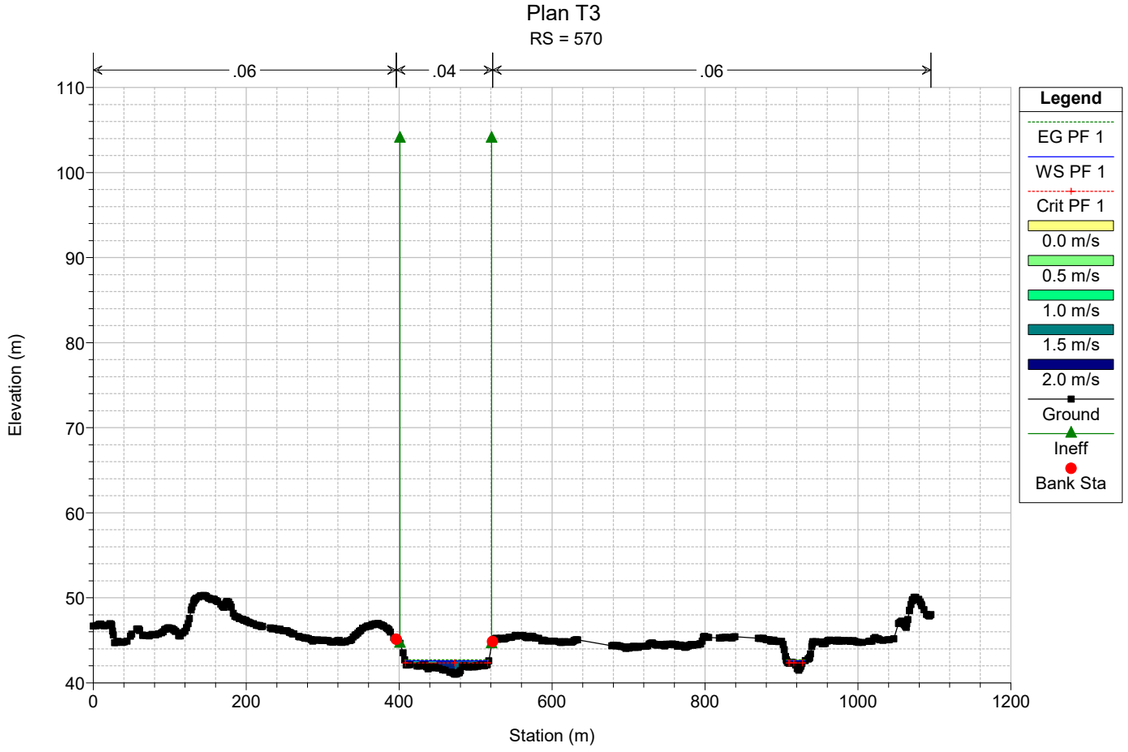

Plan T3
RS = 745
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

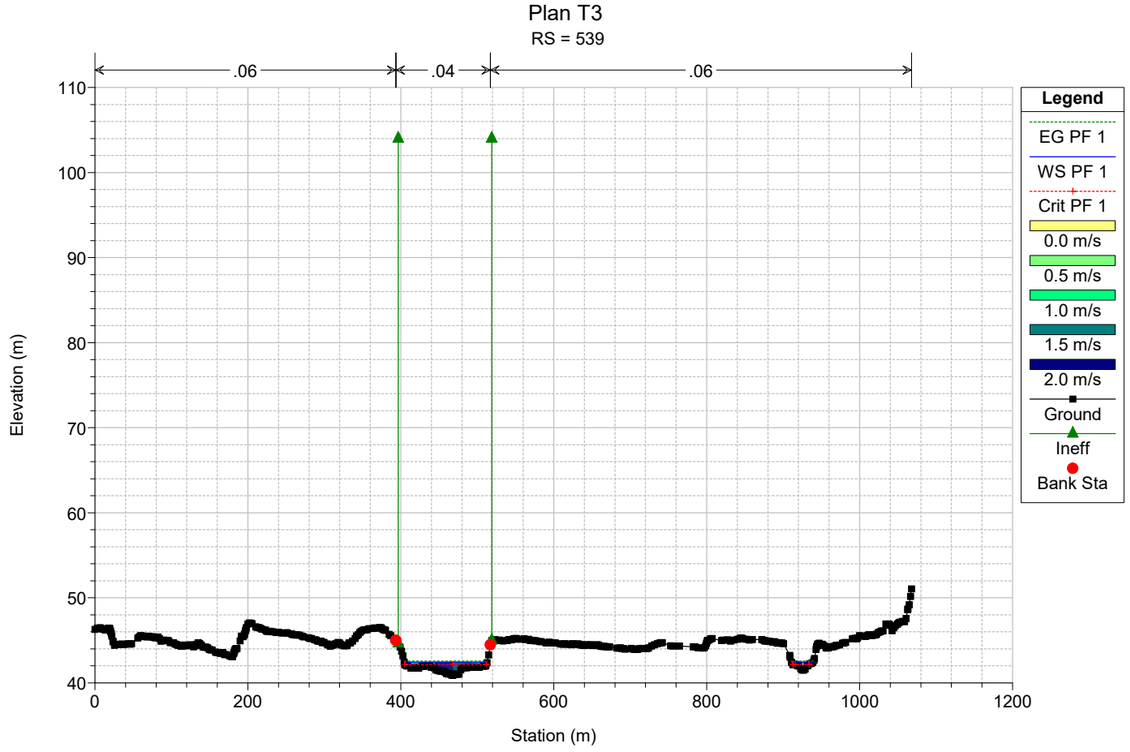

Plan T3
RS = 713
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

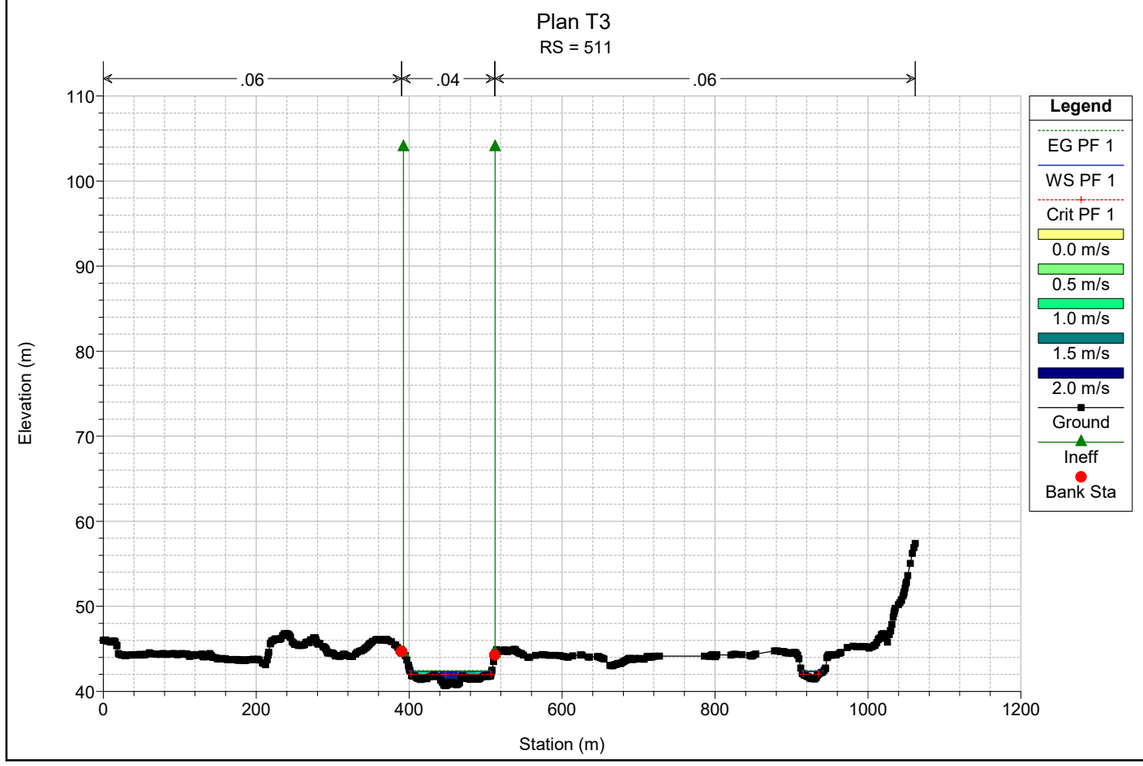

Plan T3
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

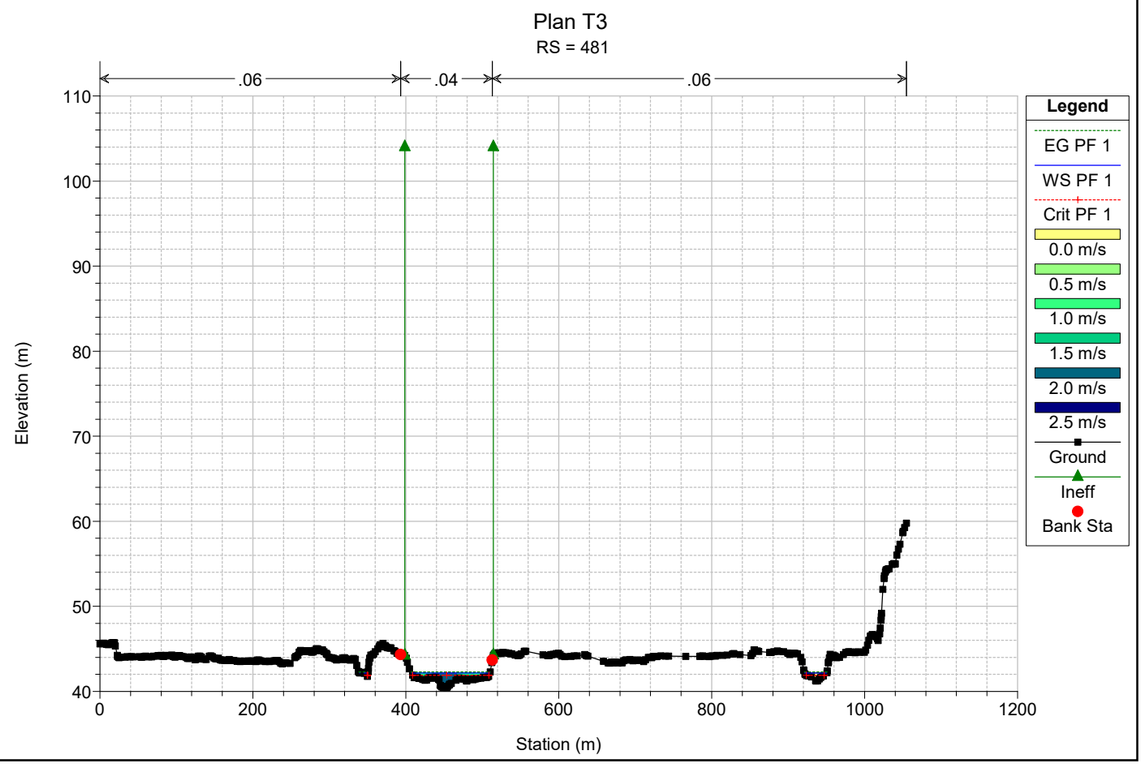

Plan T3
RS = 636
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

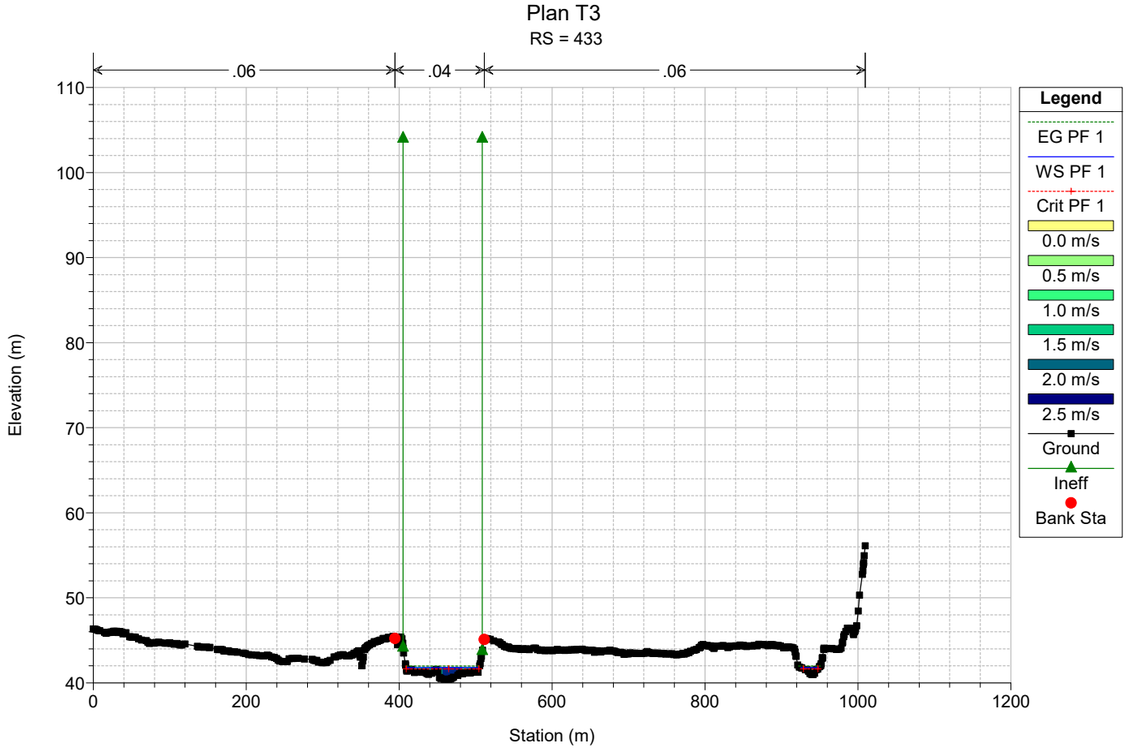

Plan T3
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

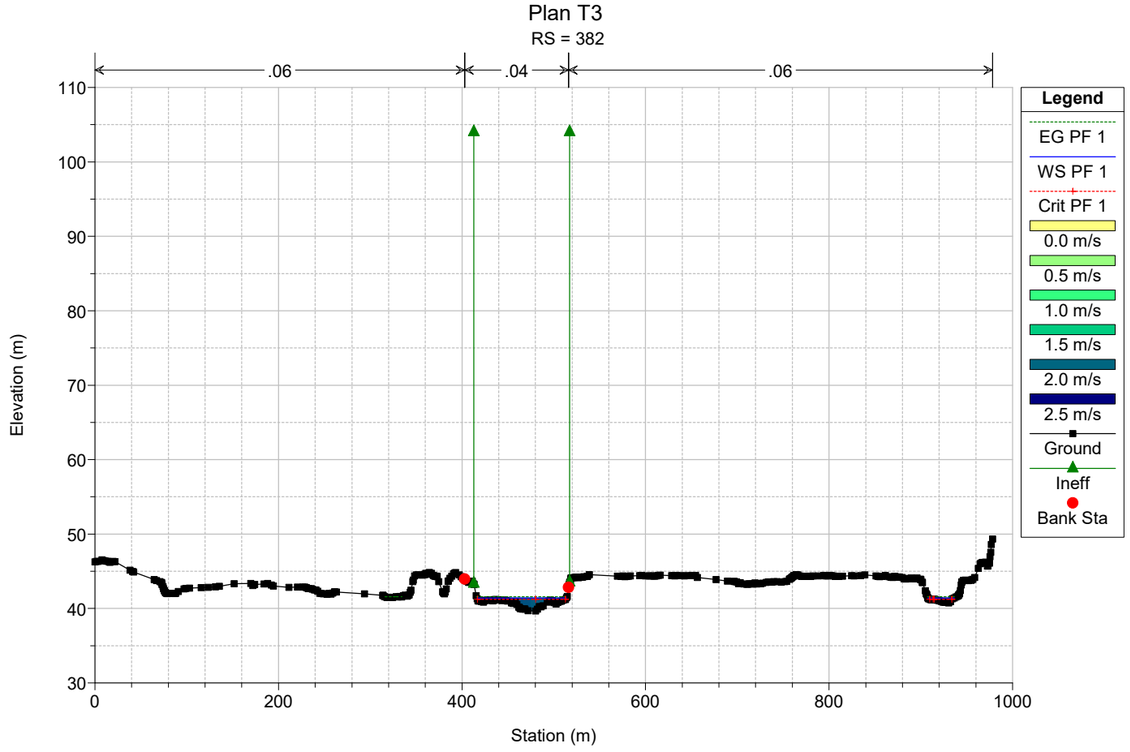

Plan T3
RS = 570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

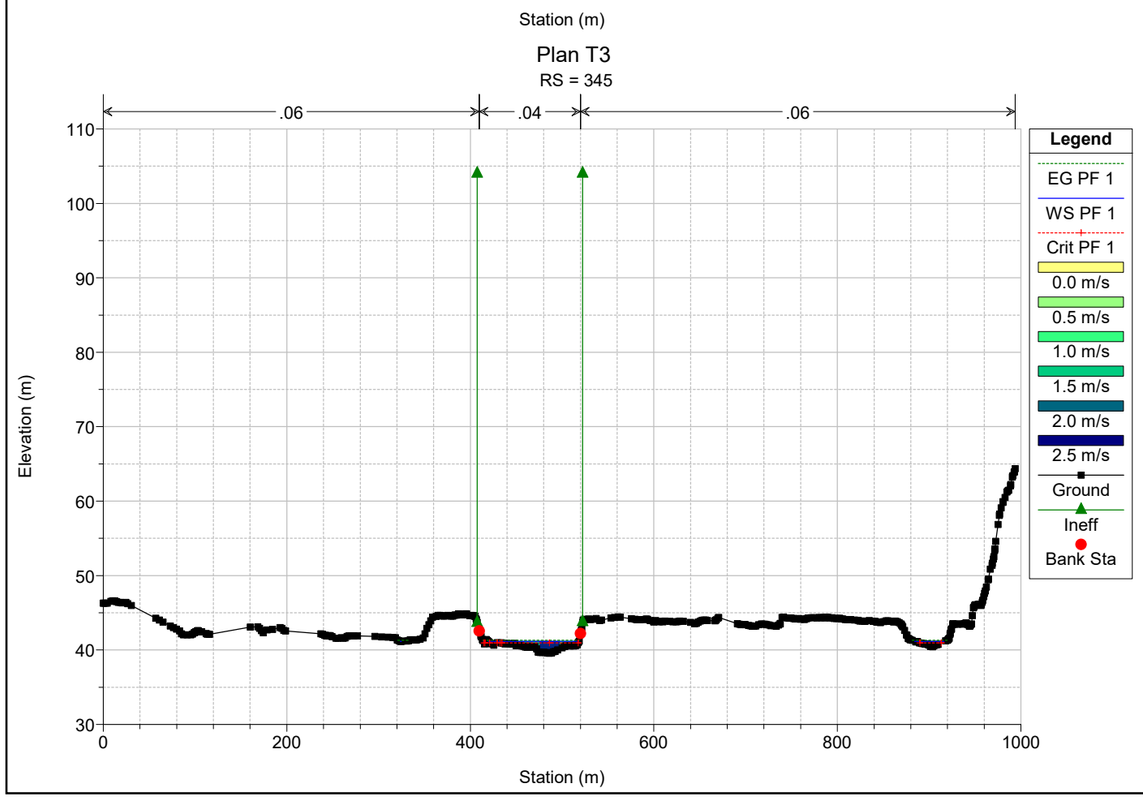

Plan T3
RS = 539
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

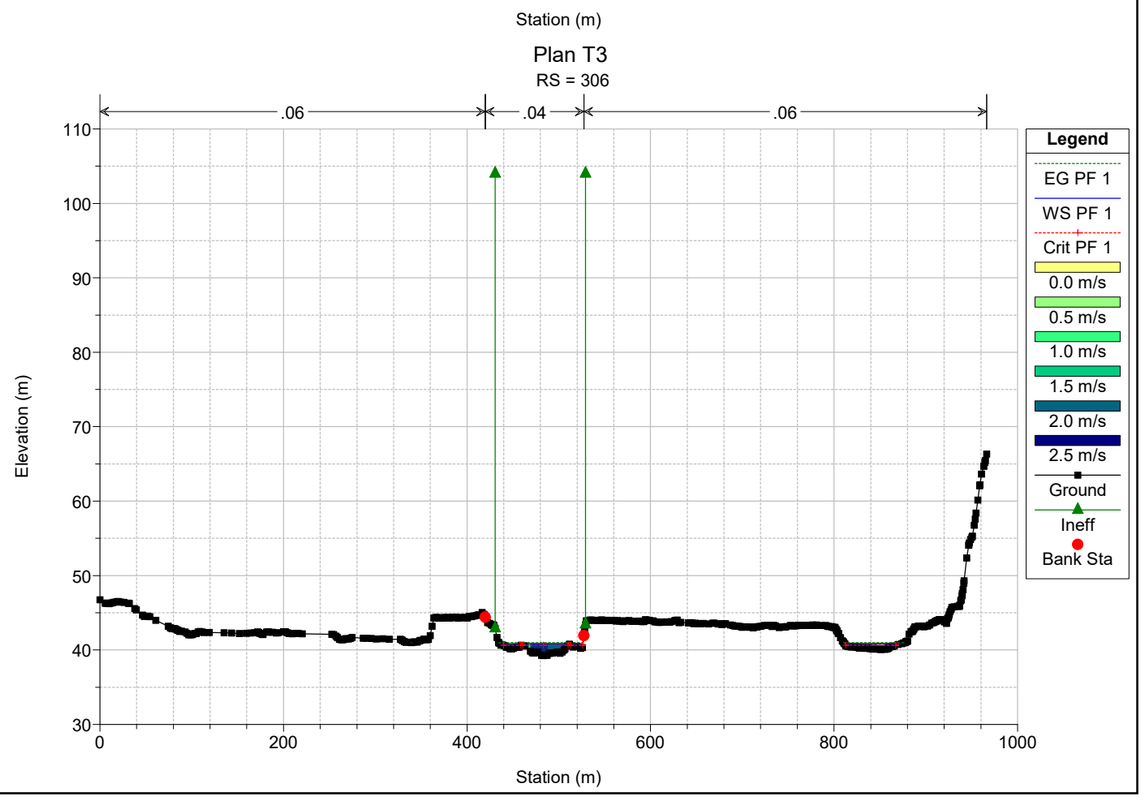

Plan T3
RS = 511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

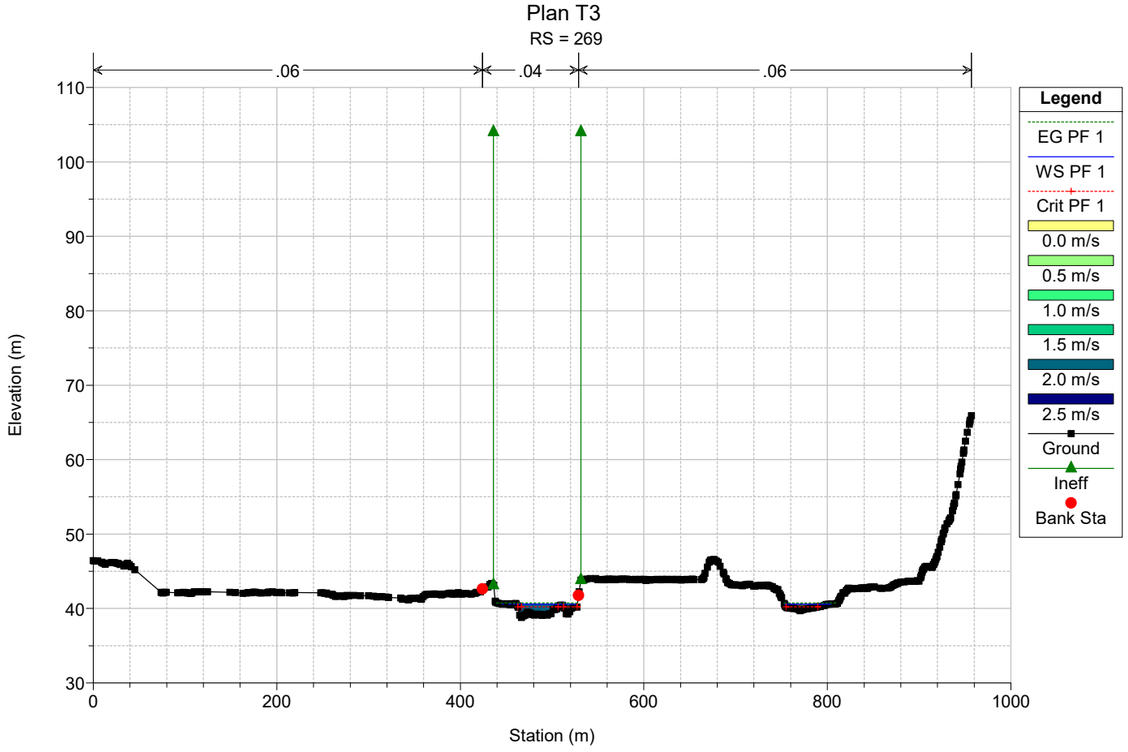

Plan T3
RS = 481
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

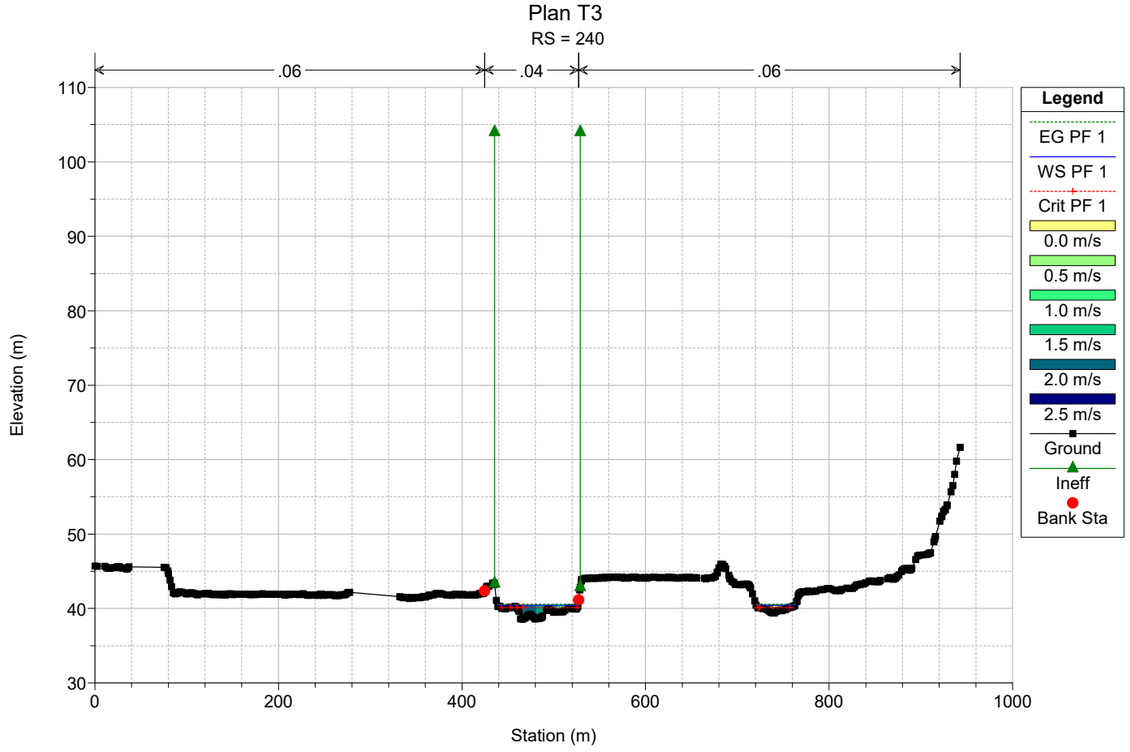

Plan T3
RS = 433
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

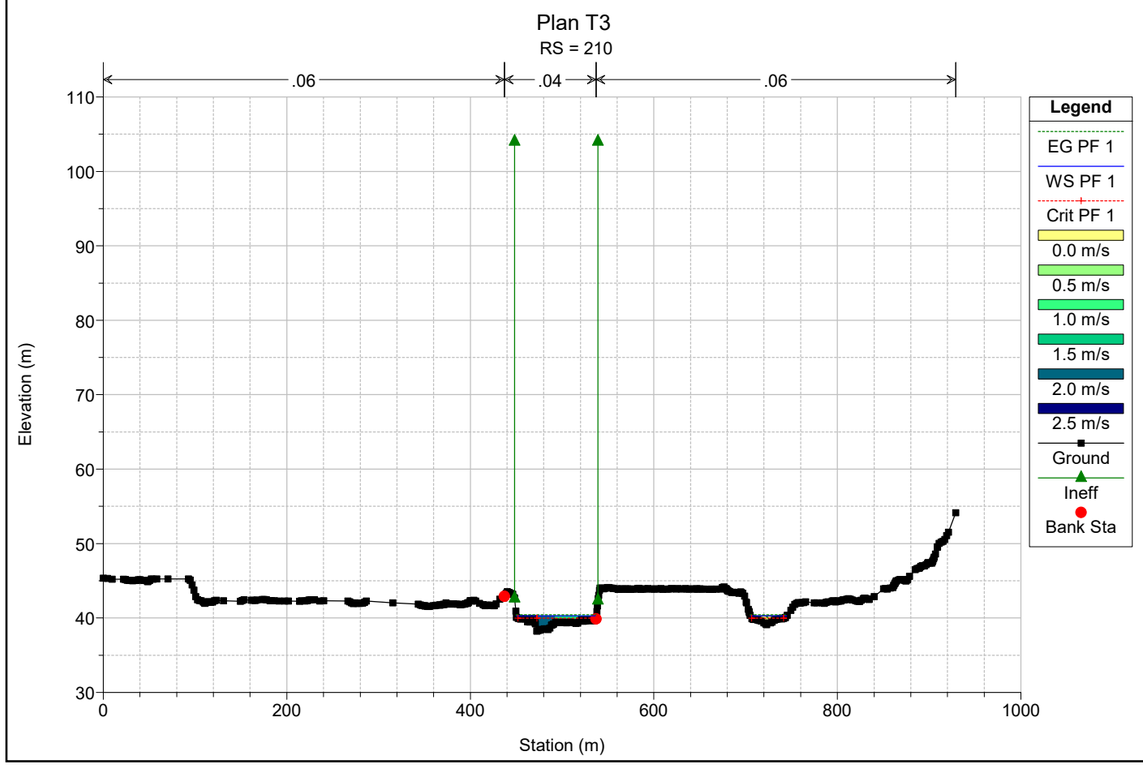

Plan T3
RS = 382
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

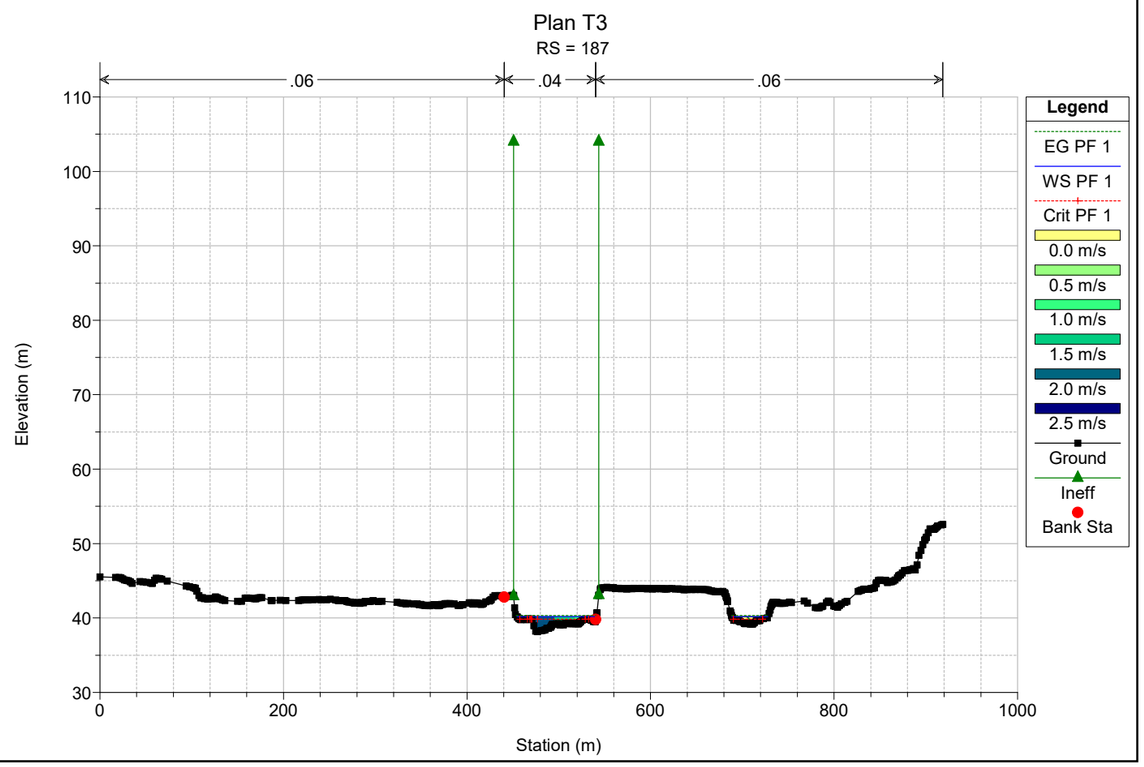

Plan T3
RS = 345
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

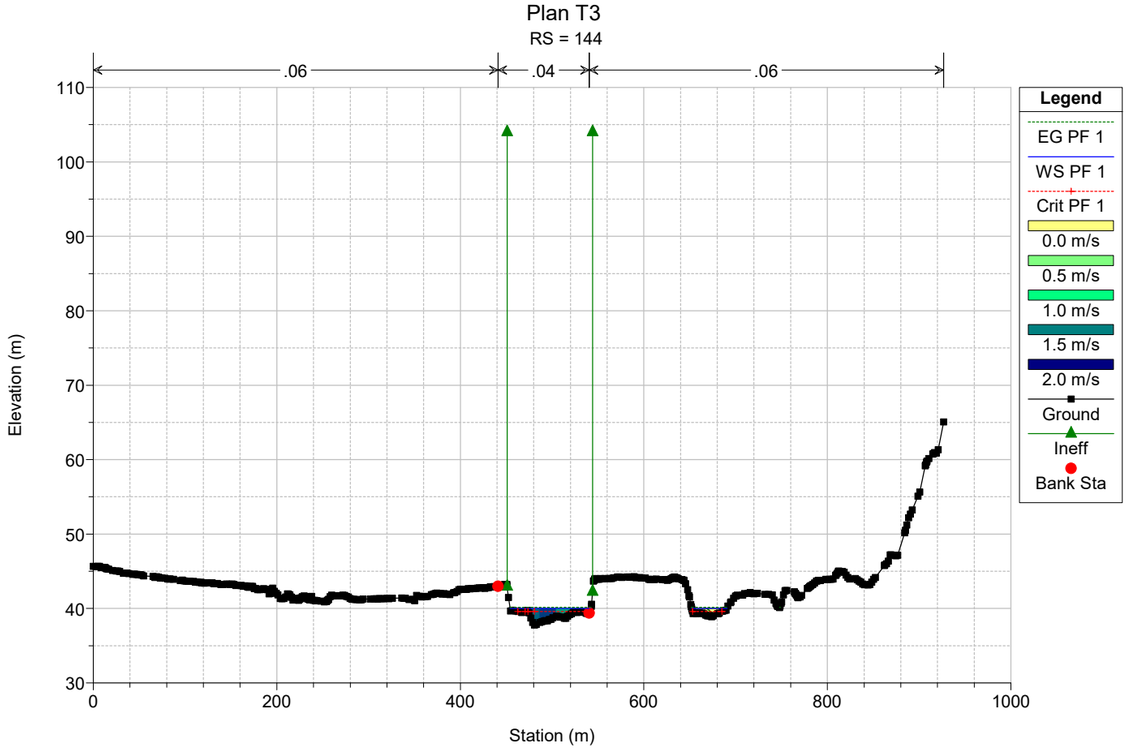

Plan T3
RS = 306
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

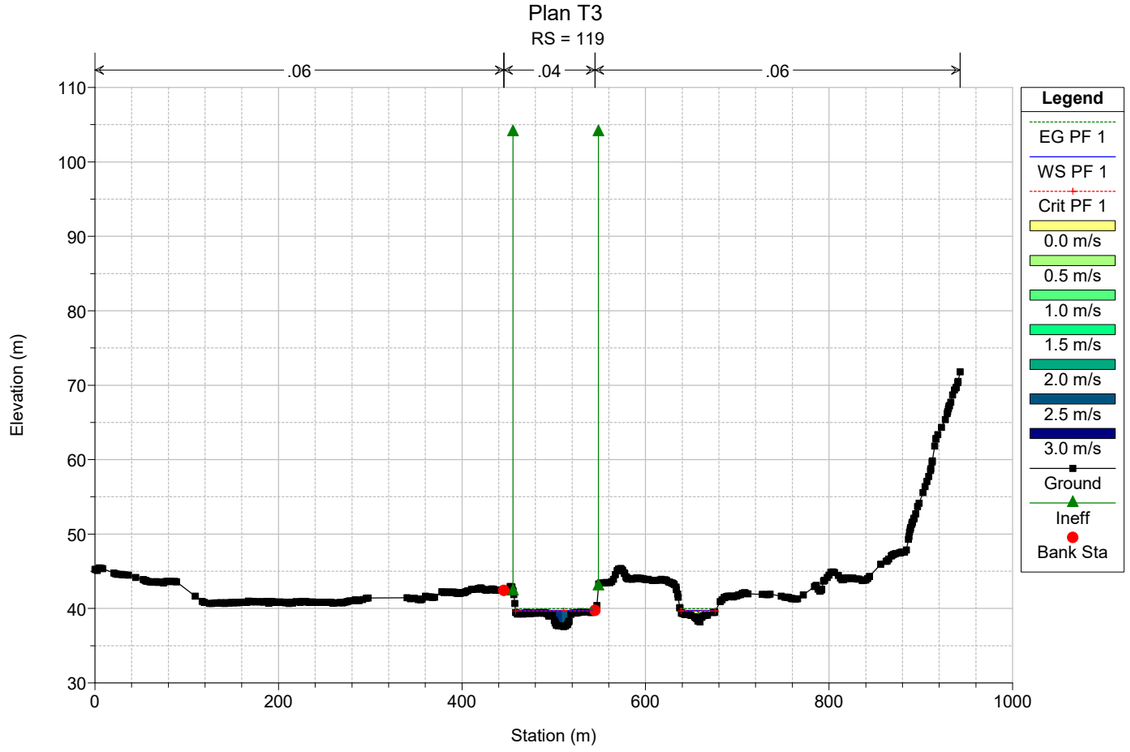

Plan T3
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

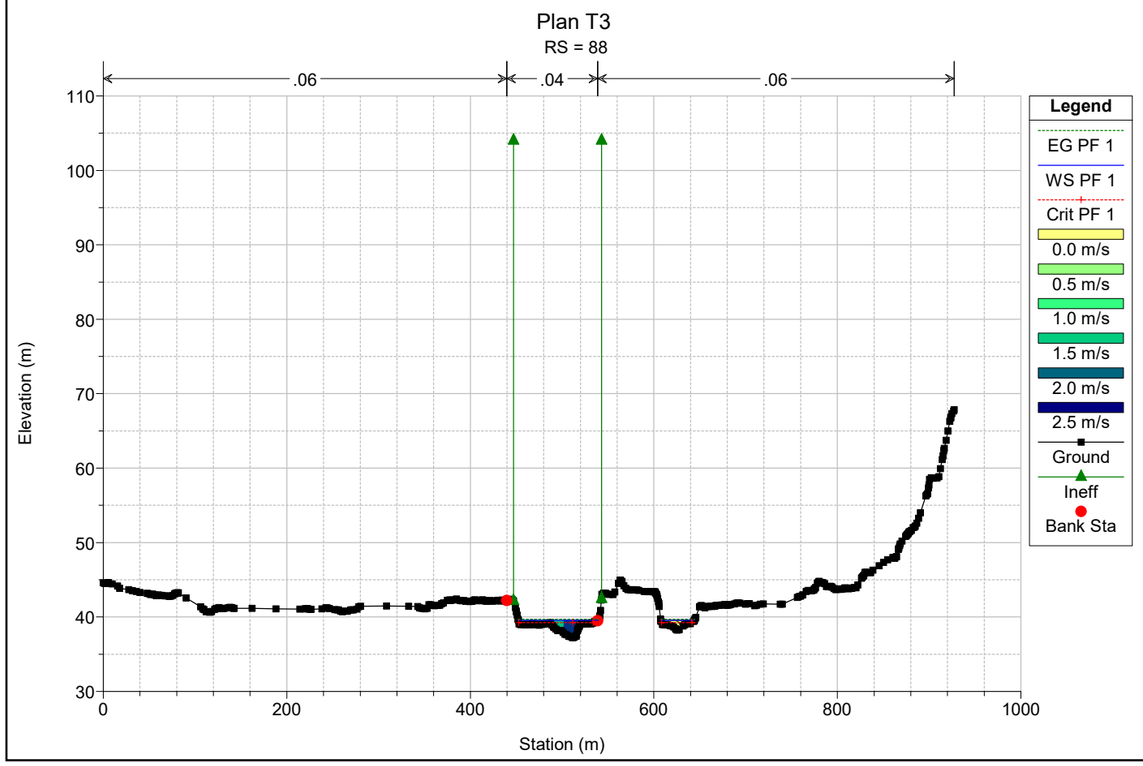

Plan T3
RS = 240
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

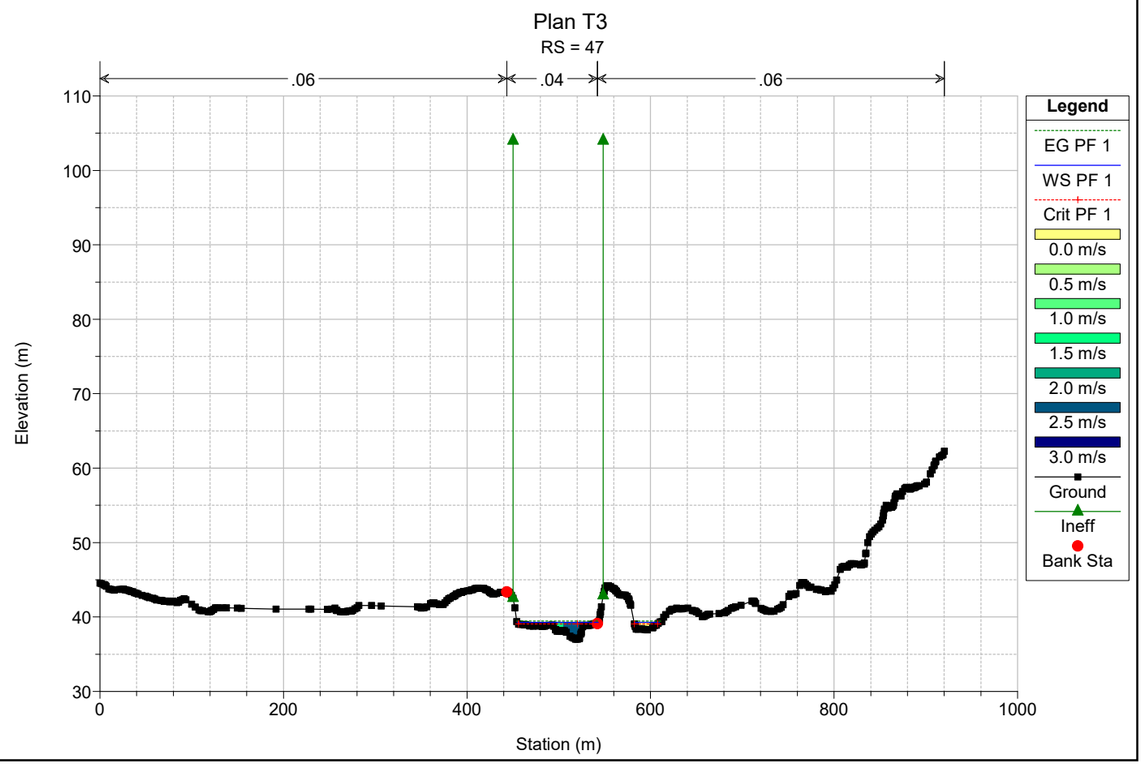

Plan T3
RS = 210
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

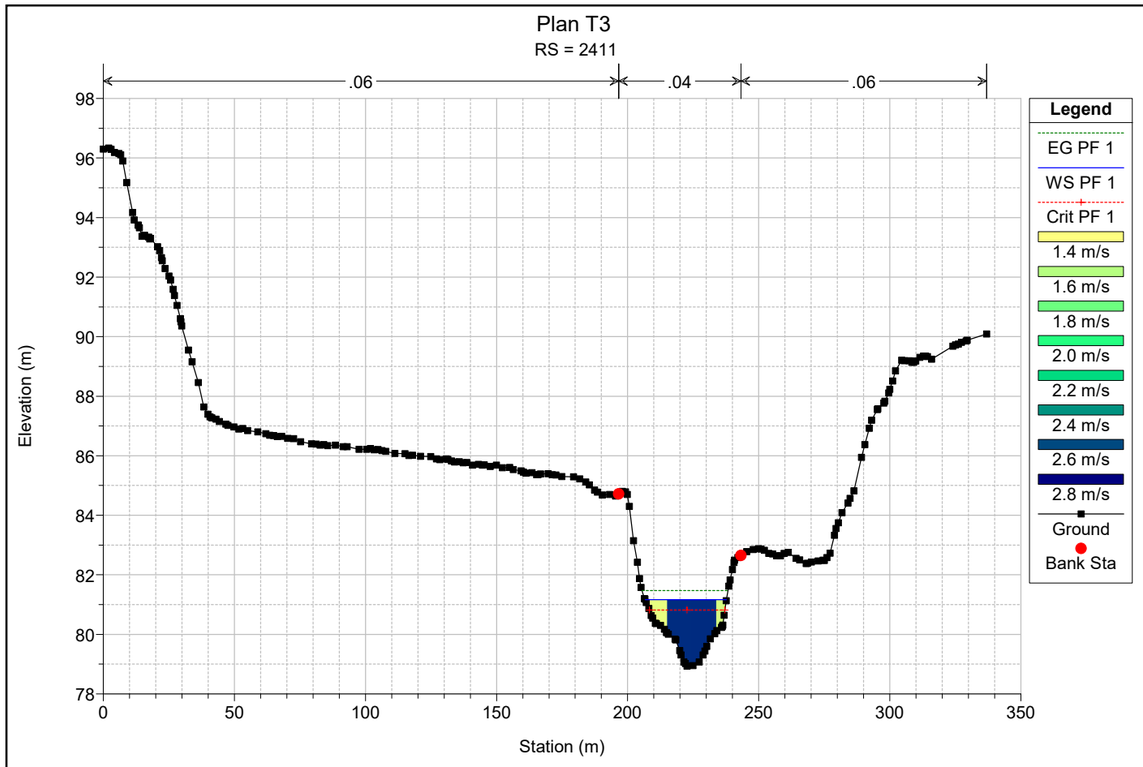

Plan T3
RS = 187
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

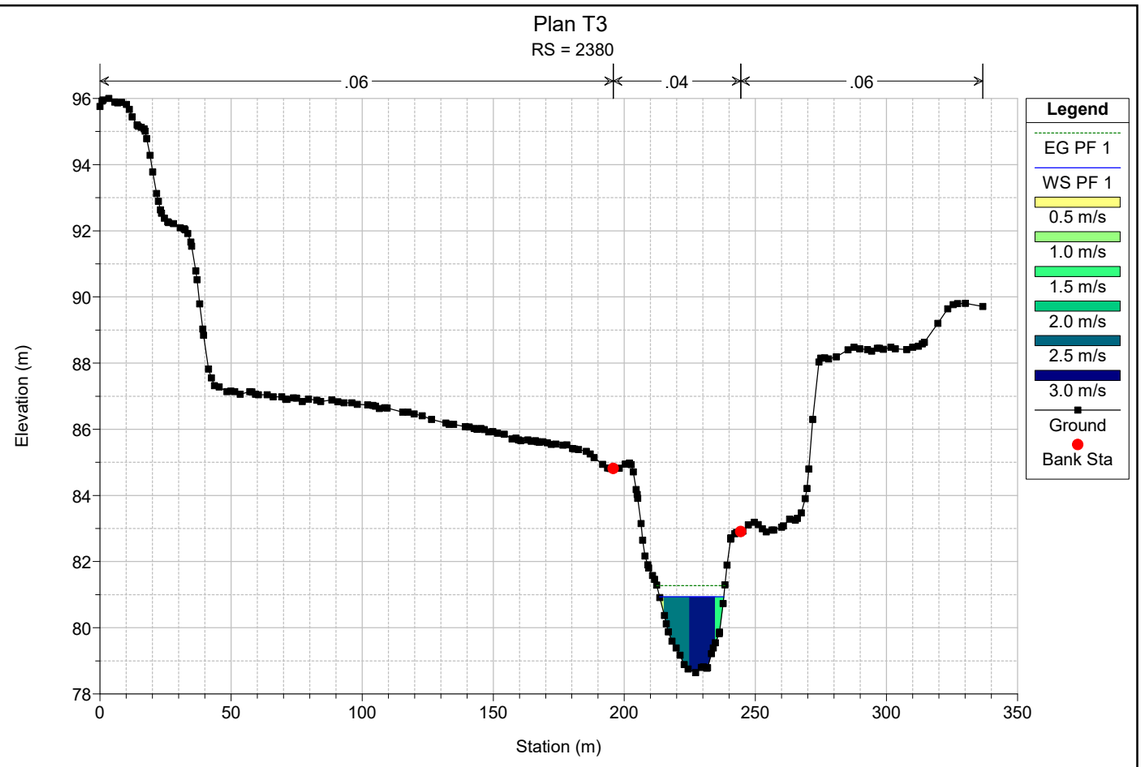

Plan T3
RS = 144
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
Ground
Ineff
Bank Sta

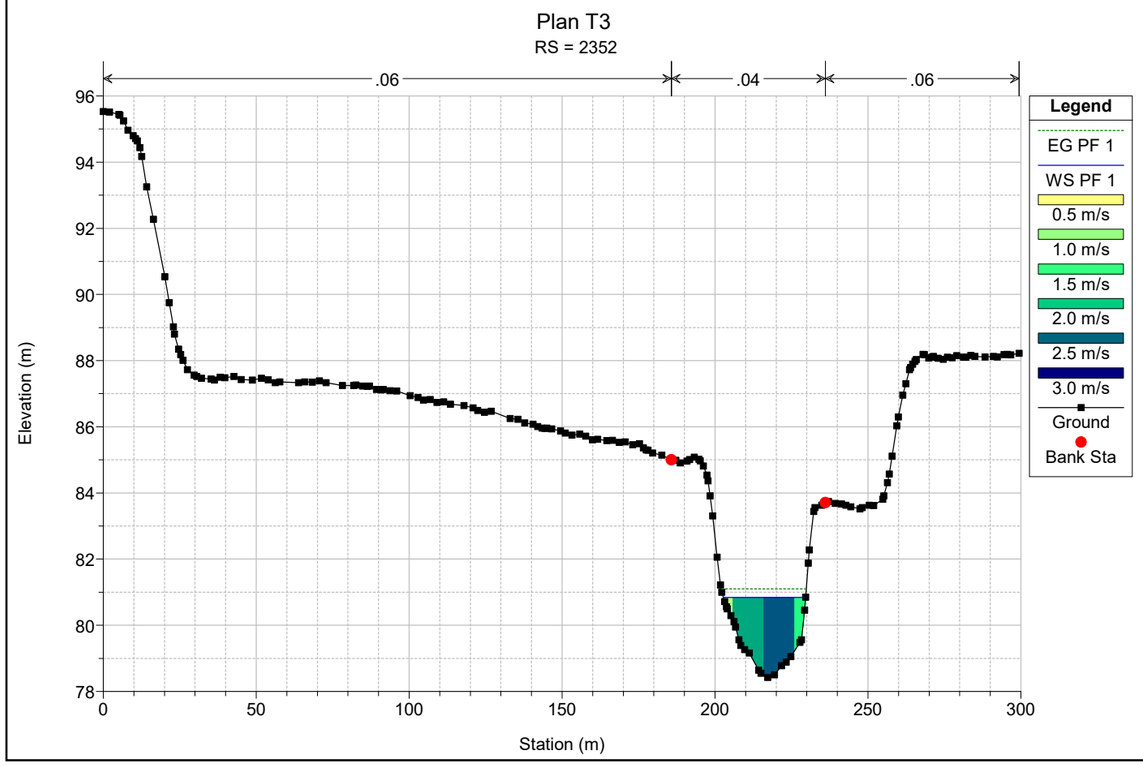

Plan T3
RS = 119
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

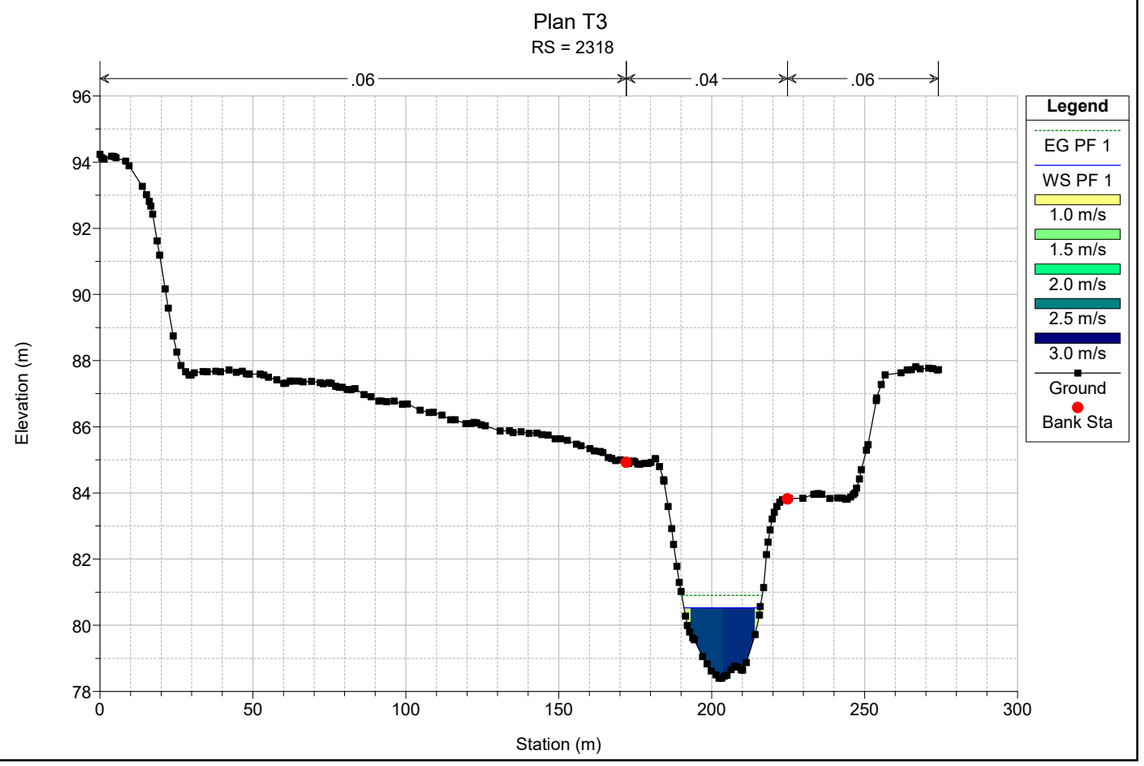

Plan T3
RS = 88
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

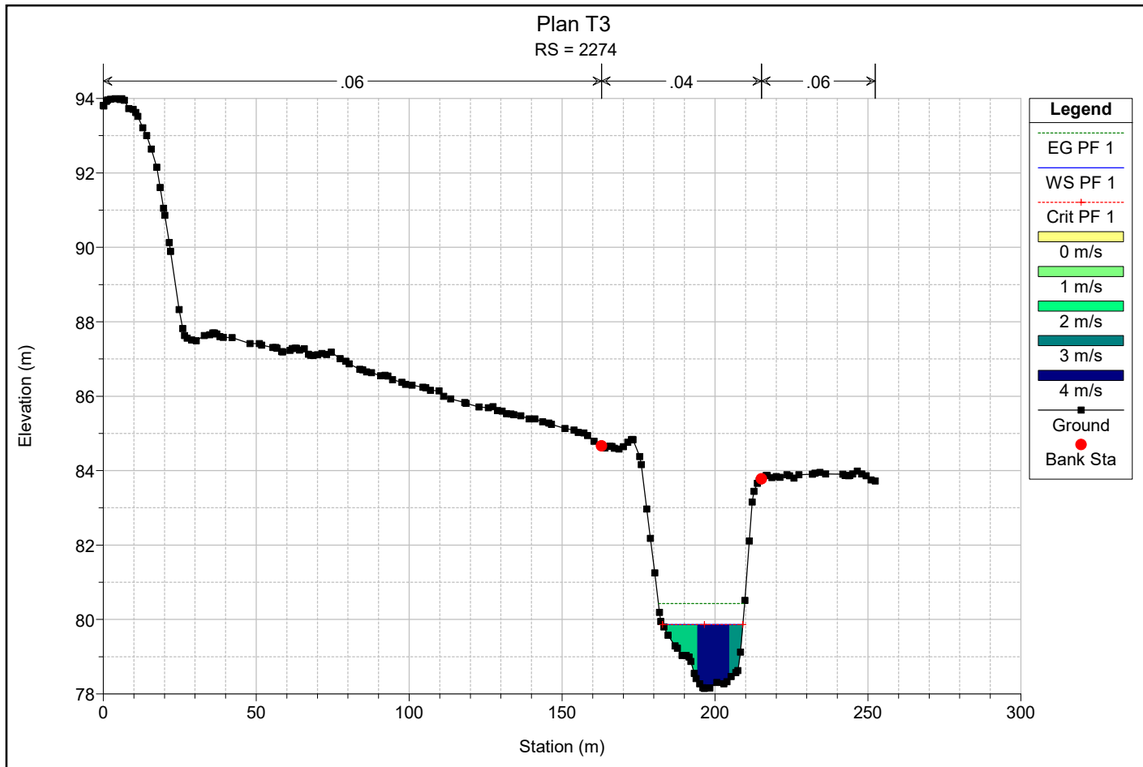

Plan T3
RS = 47
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

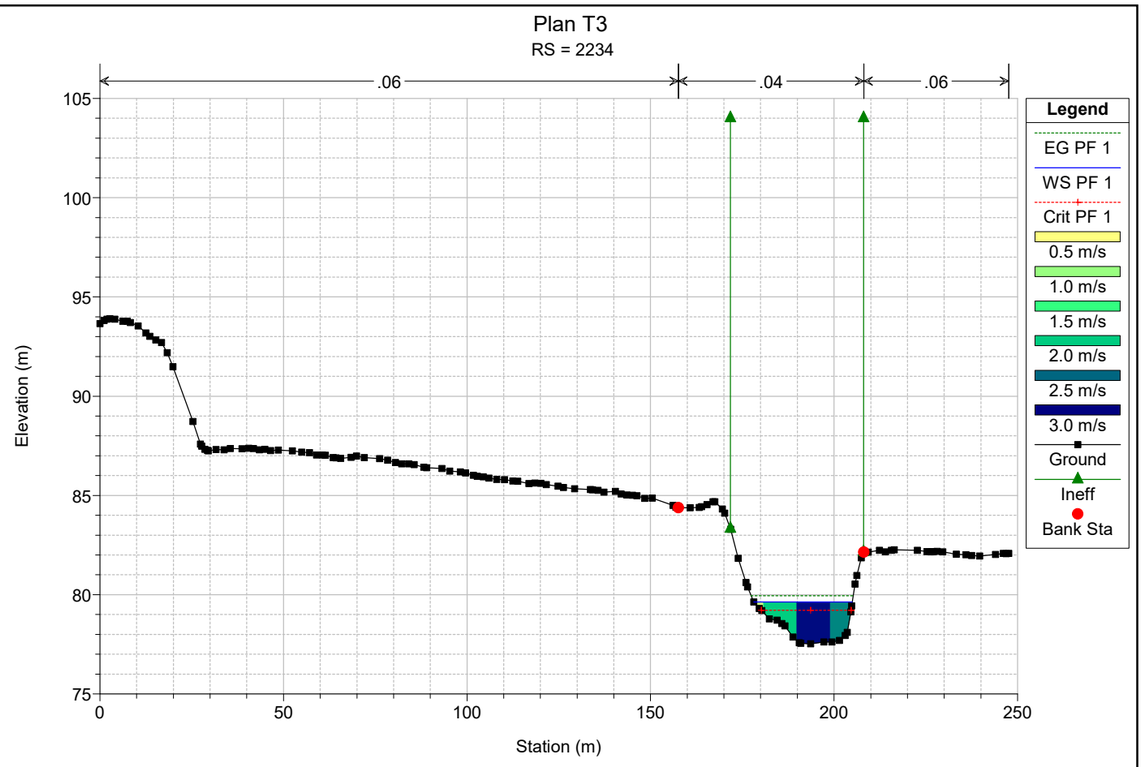

Plan T3
RS = 2411
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Bank Sta

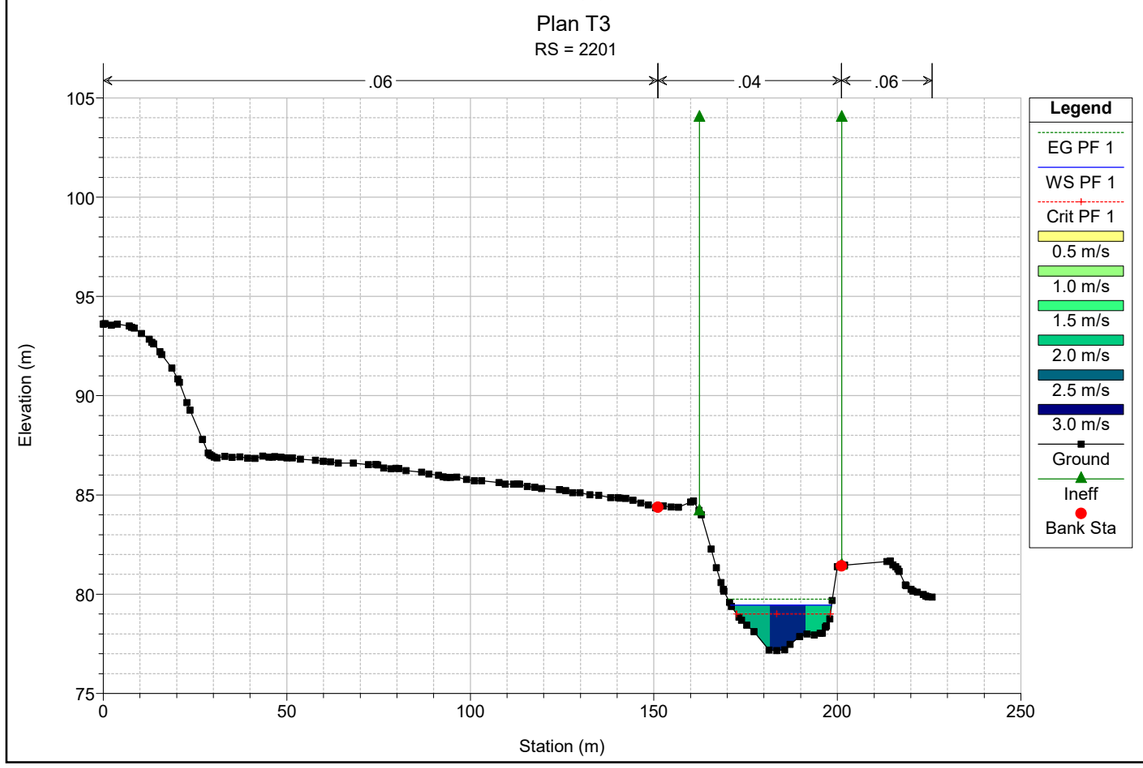

Plan T3
RS = 2380
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

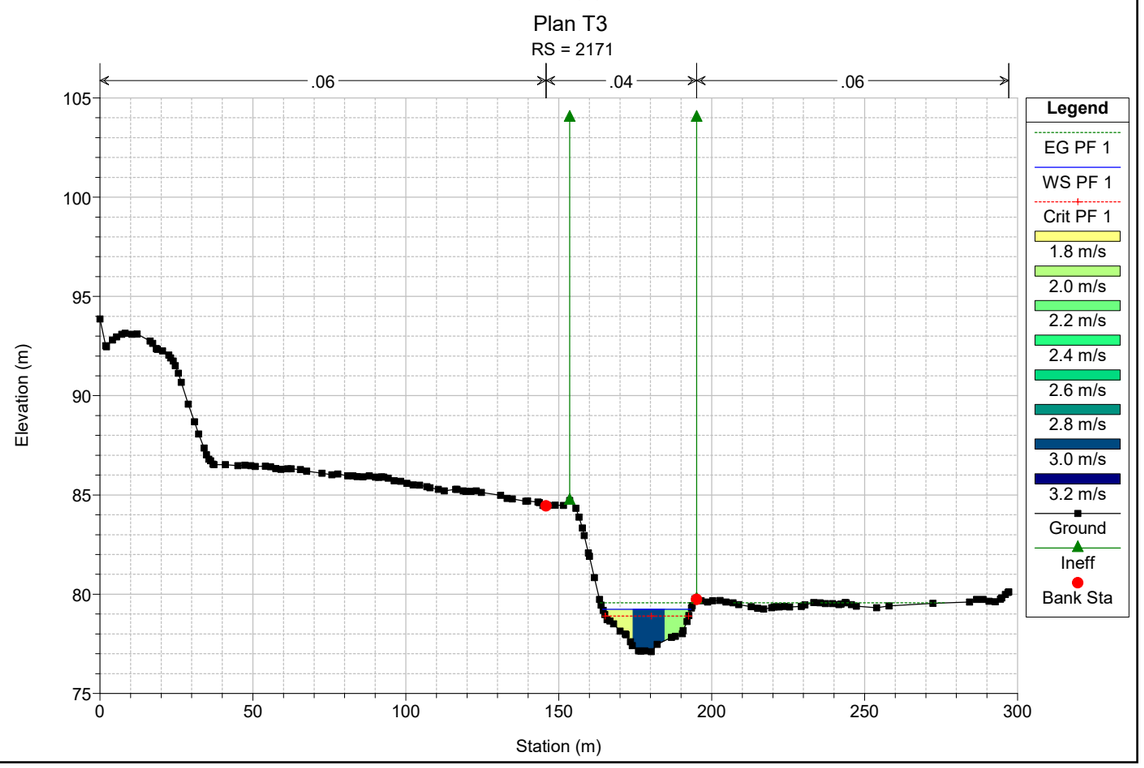

Plan T3
RS = 2352
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

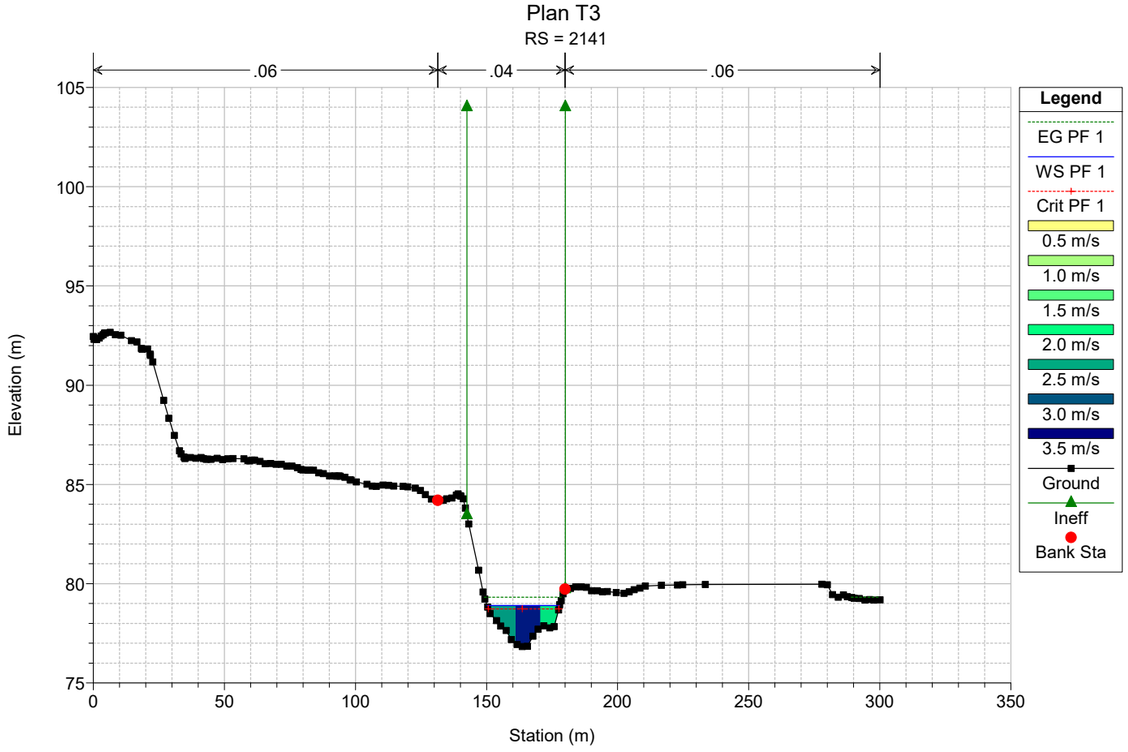

Plan T3
RS = 2318
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta

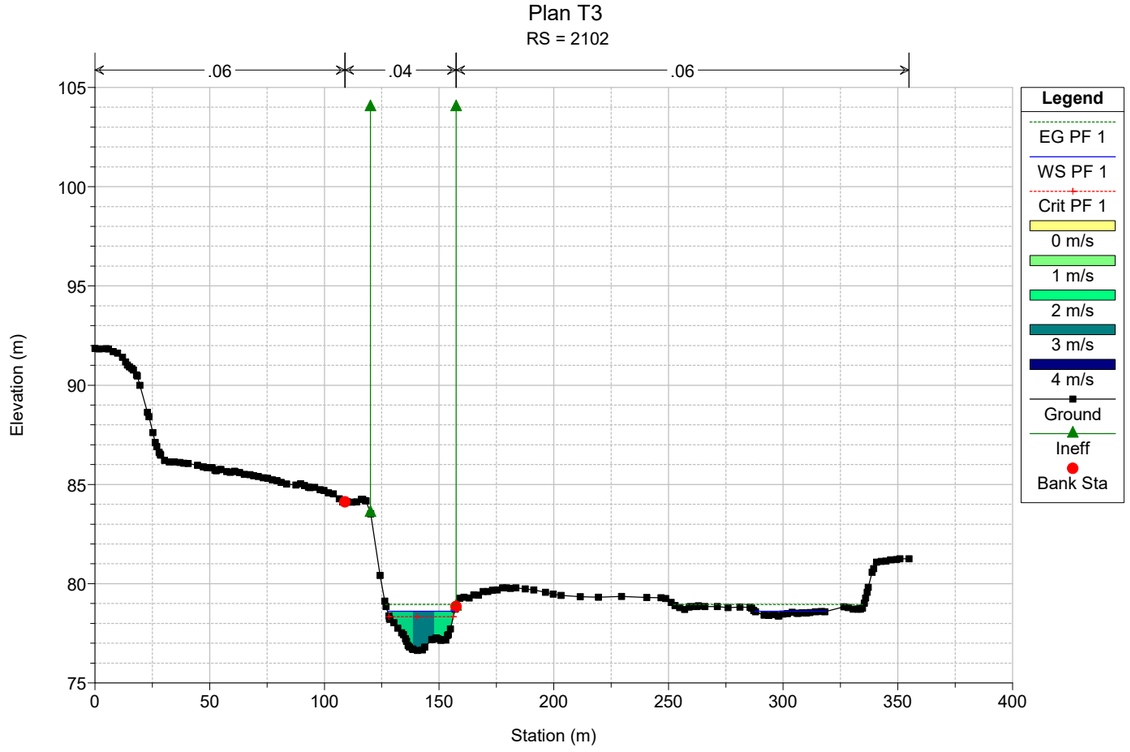

Plan T3
RS = 2274
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

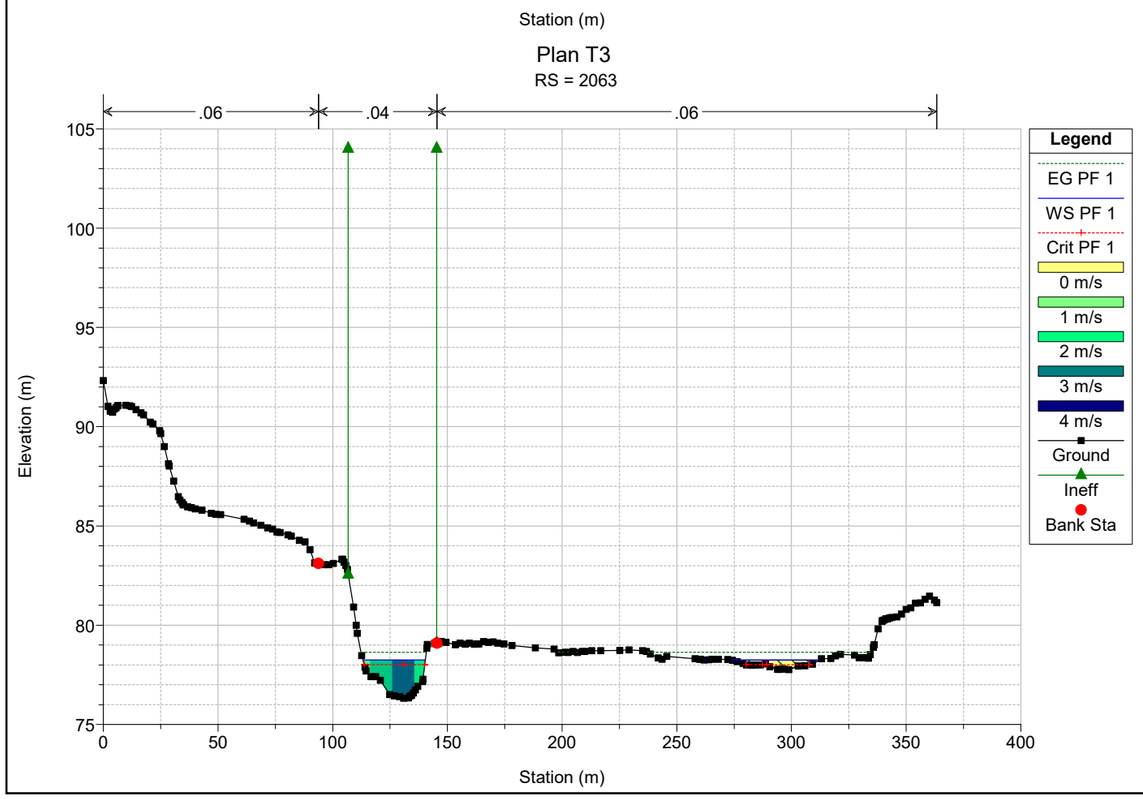

Plan T3
RS = 2234
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

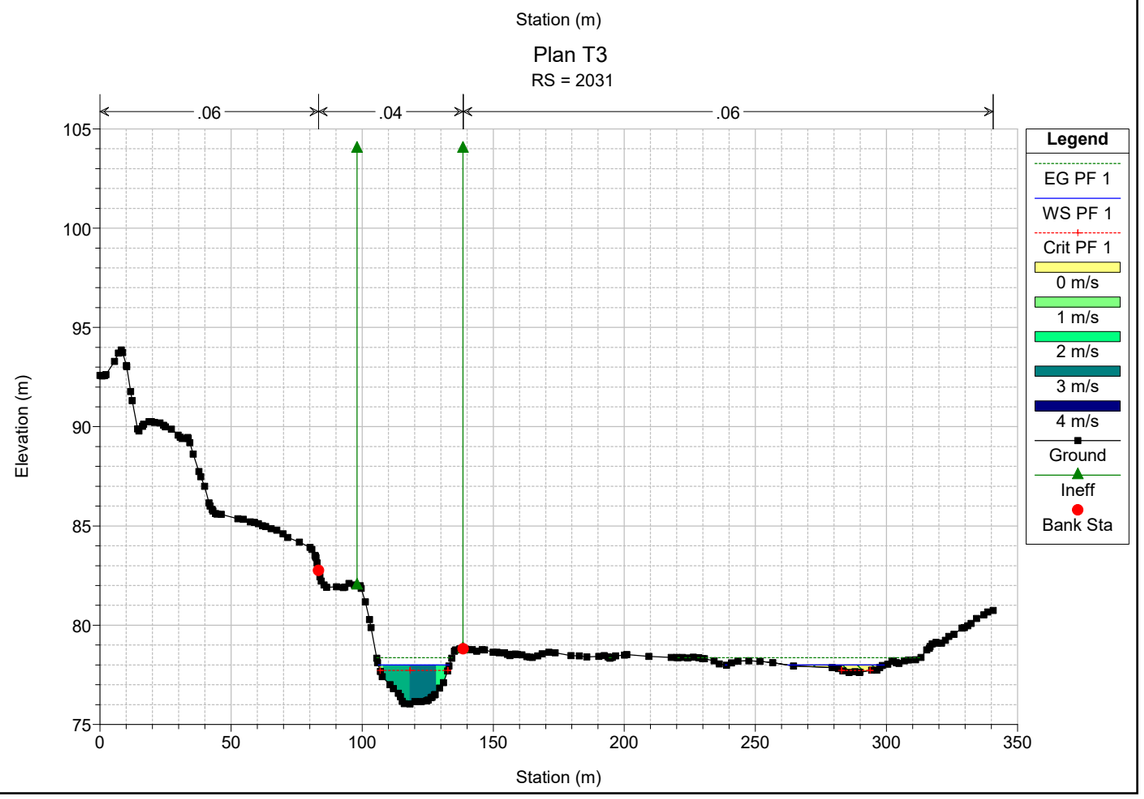

Plan T3
RS = 2201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

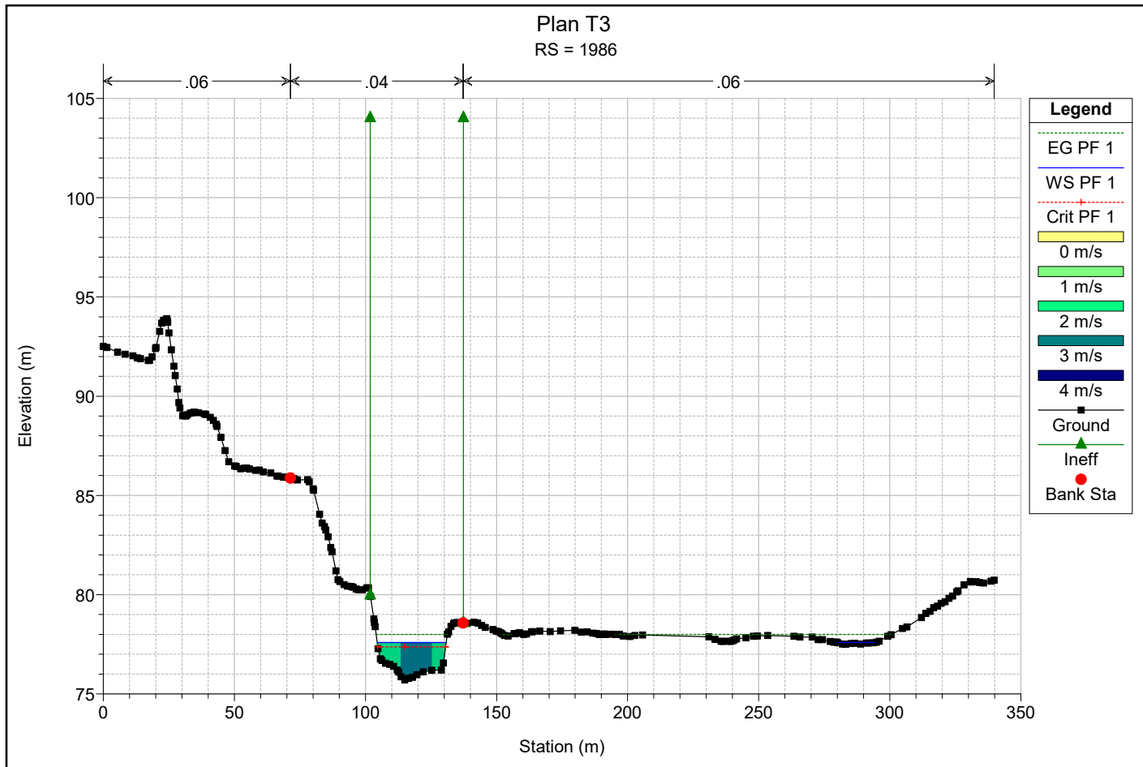

Plan T3
RS = 2171
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
Ground
Ineff
Bank Sta

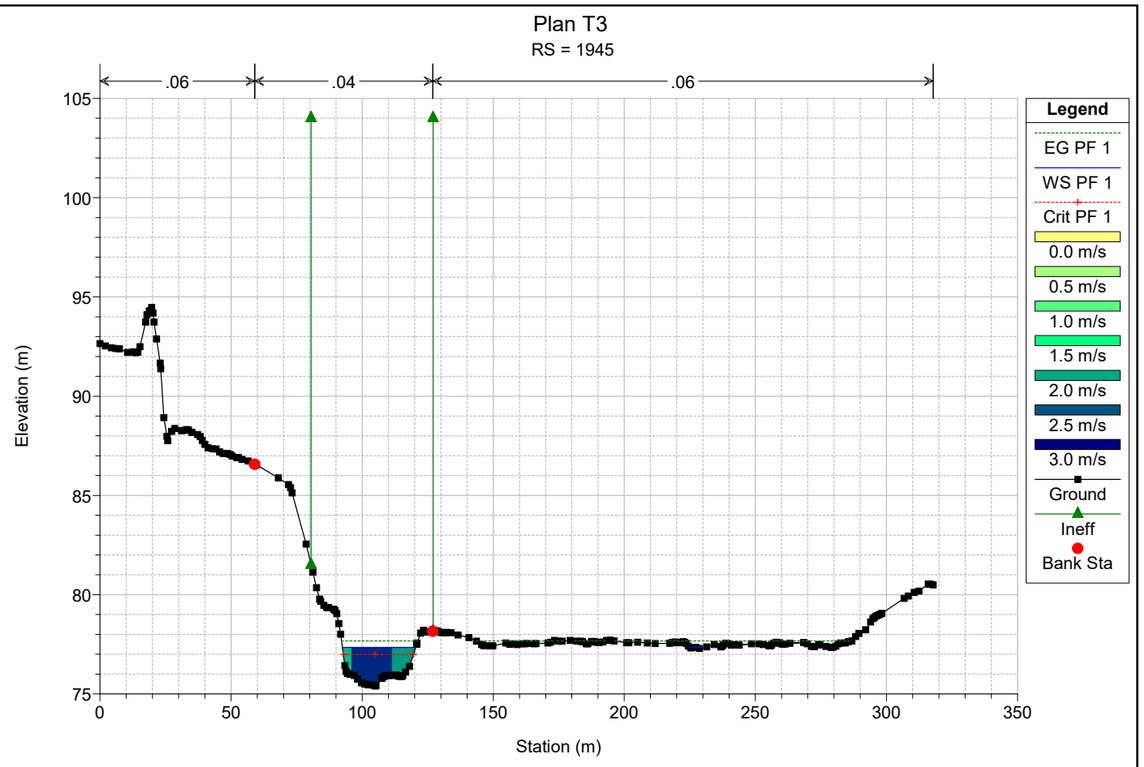

Plan T3
RS = 2141
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

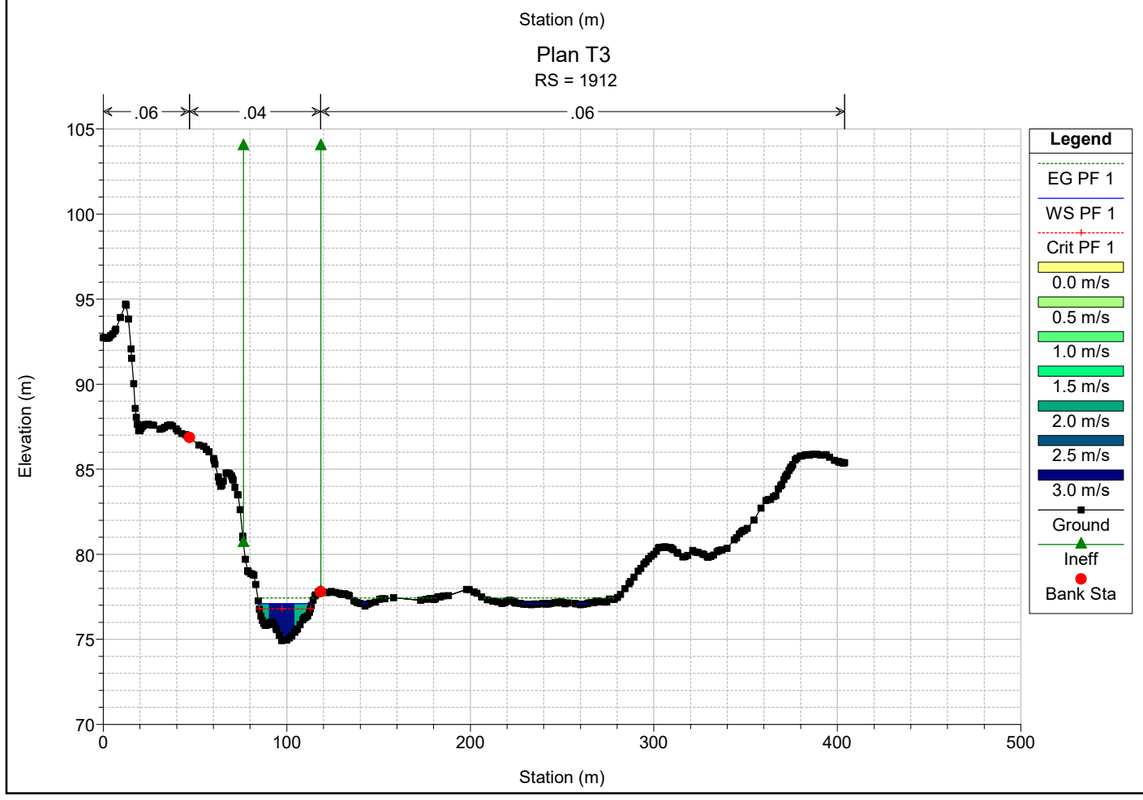

Plan T3
RS = 2102
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

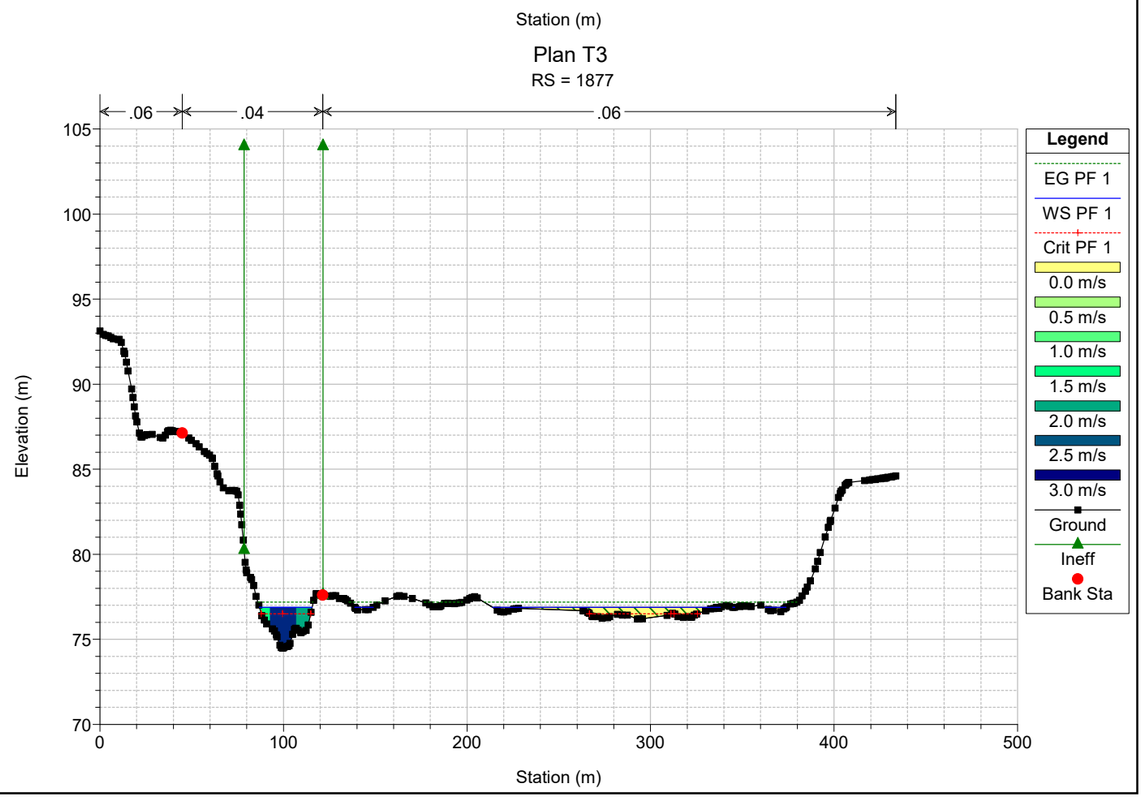

Plan T3
RS = 2063
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

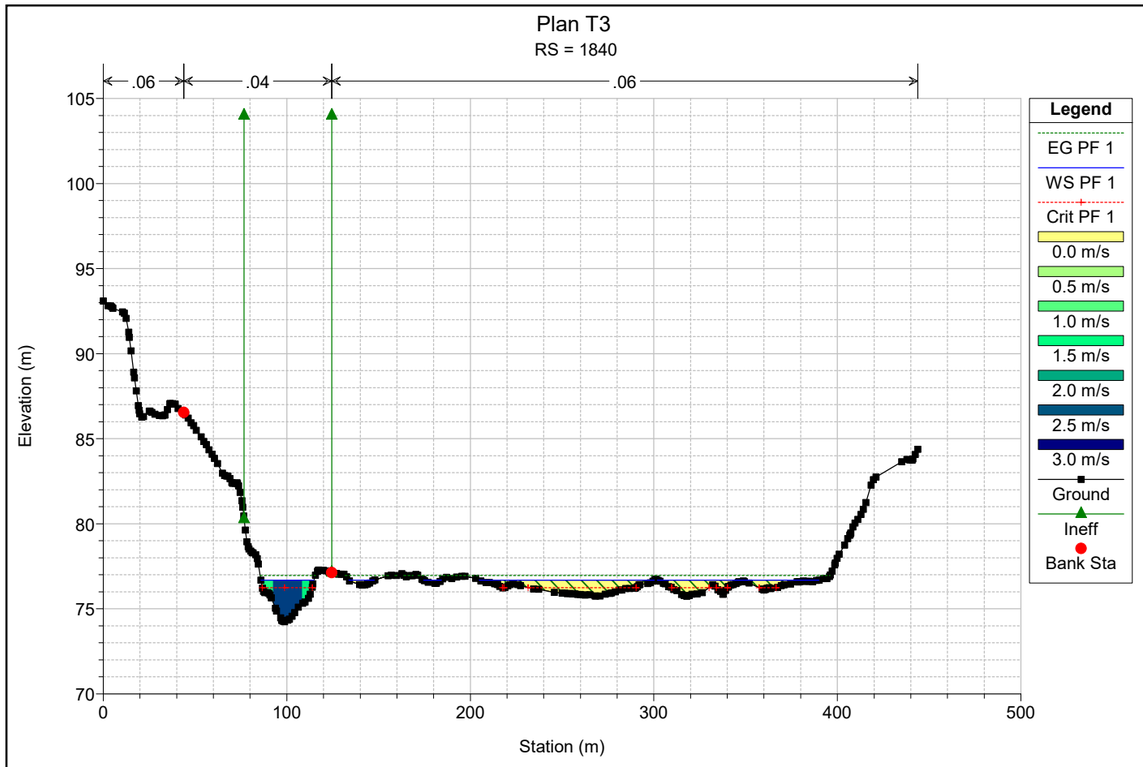

Plan T3
RS = 2031
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

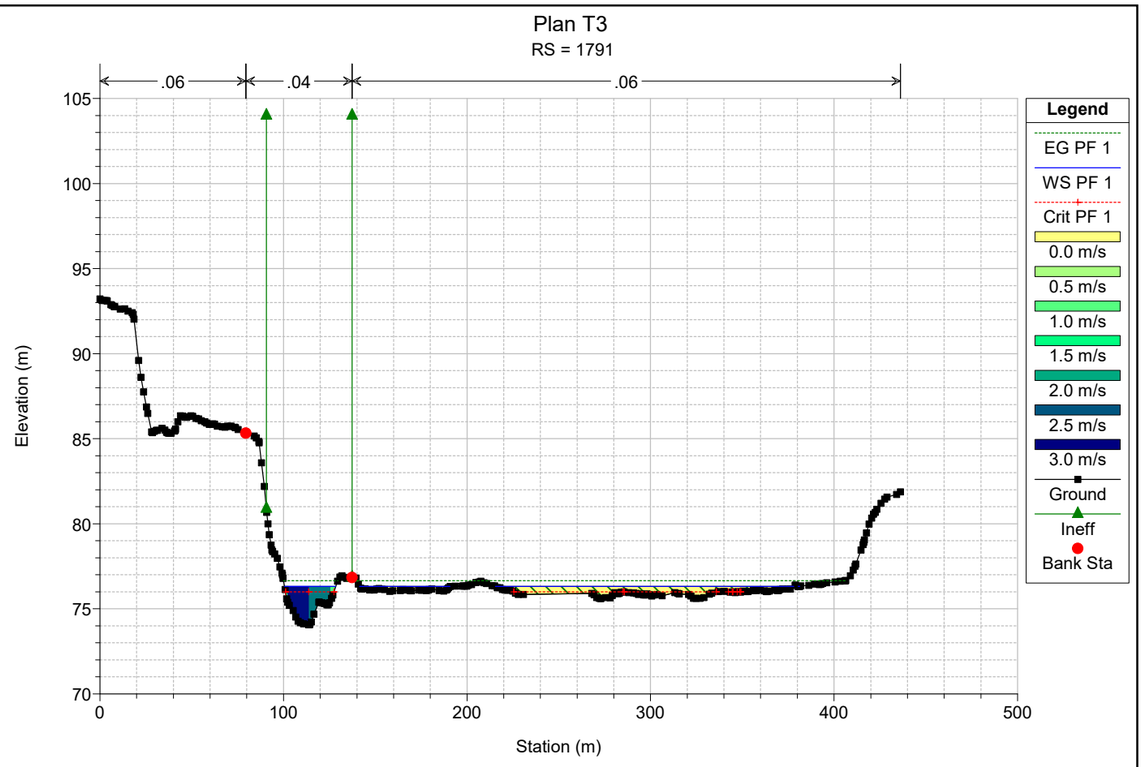

Plan T3
RS = 1986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

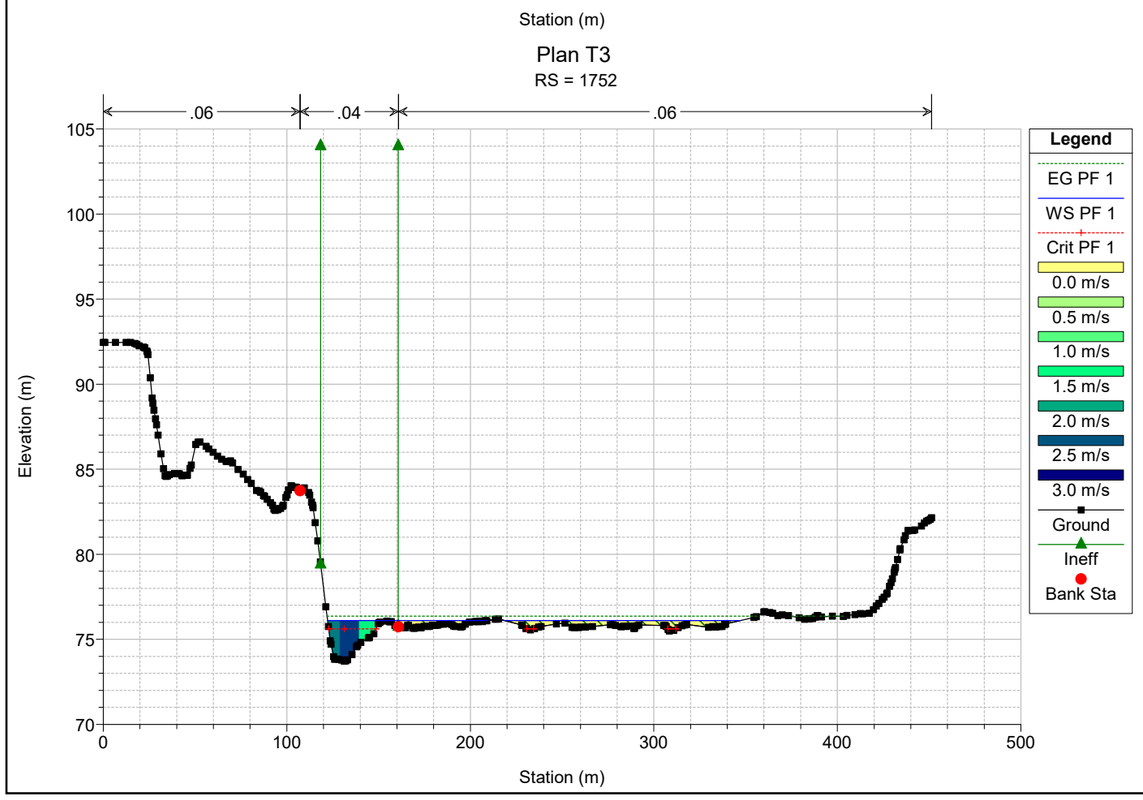

Plan T3
RS = 1945
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

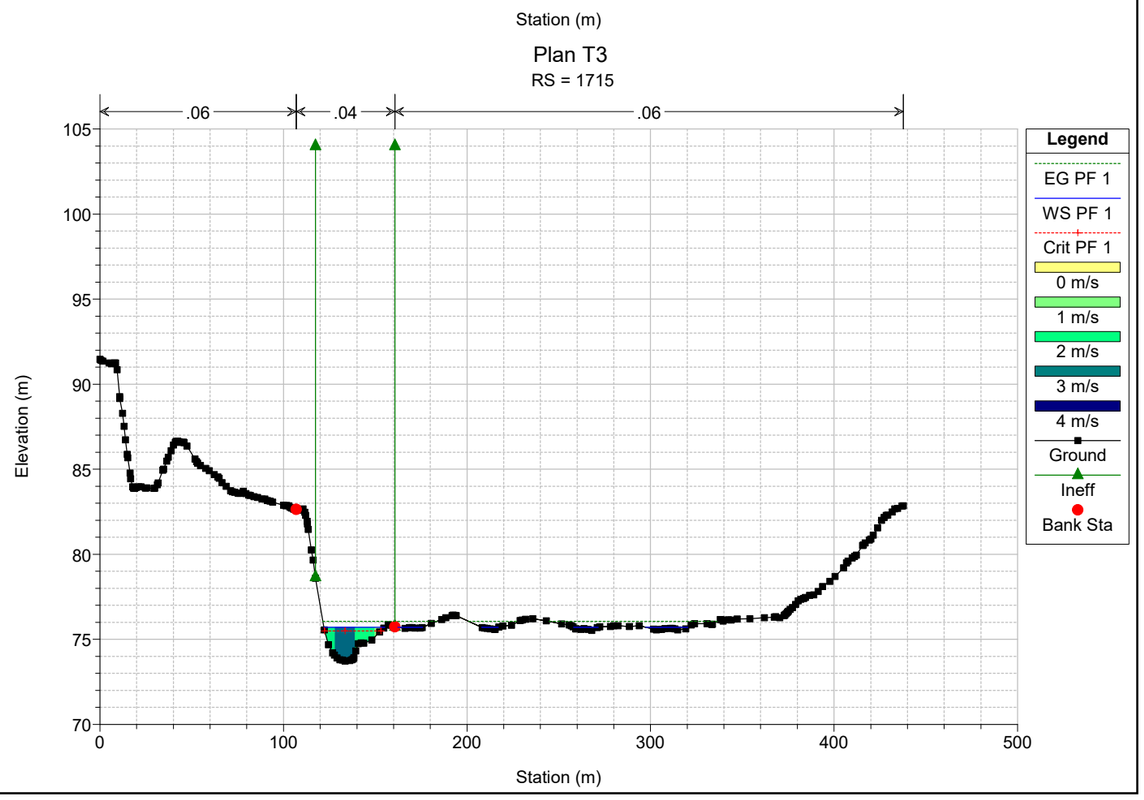

Plan T3
RS = 1912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

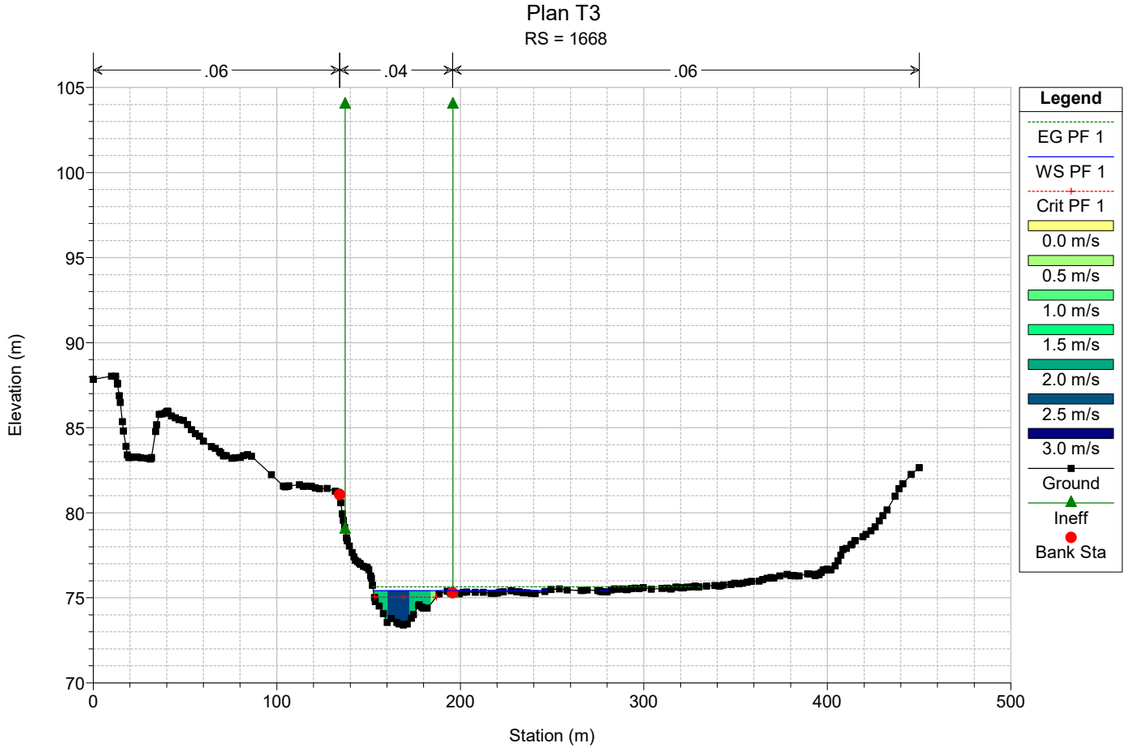

Plan T3
RS = 1877
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

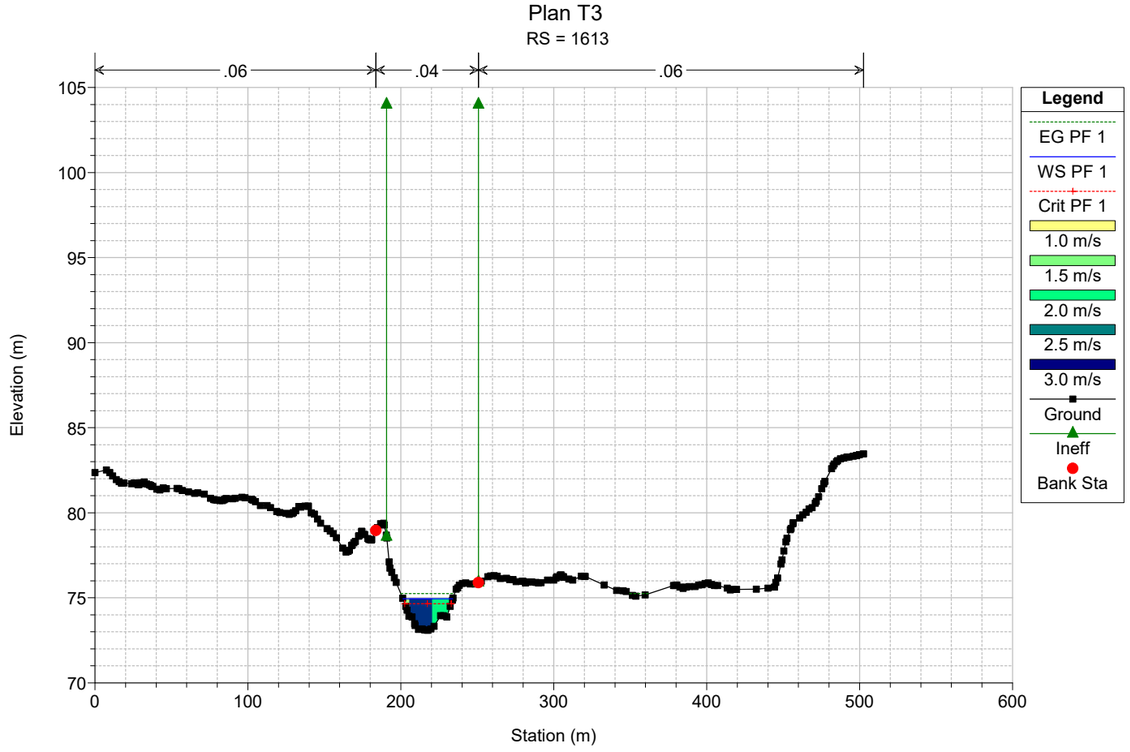

Plan T3
RS = 1840
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

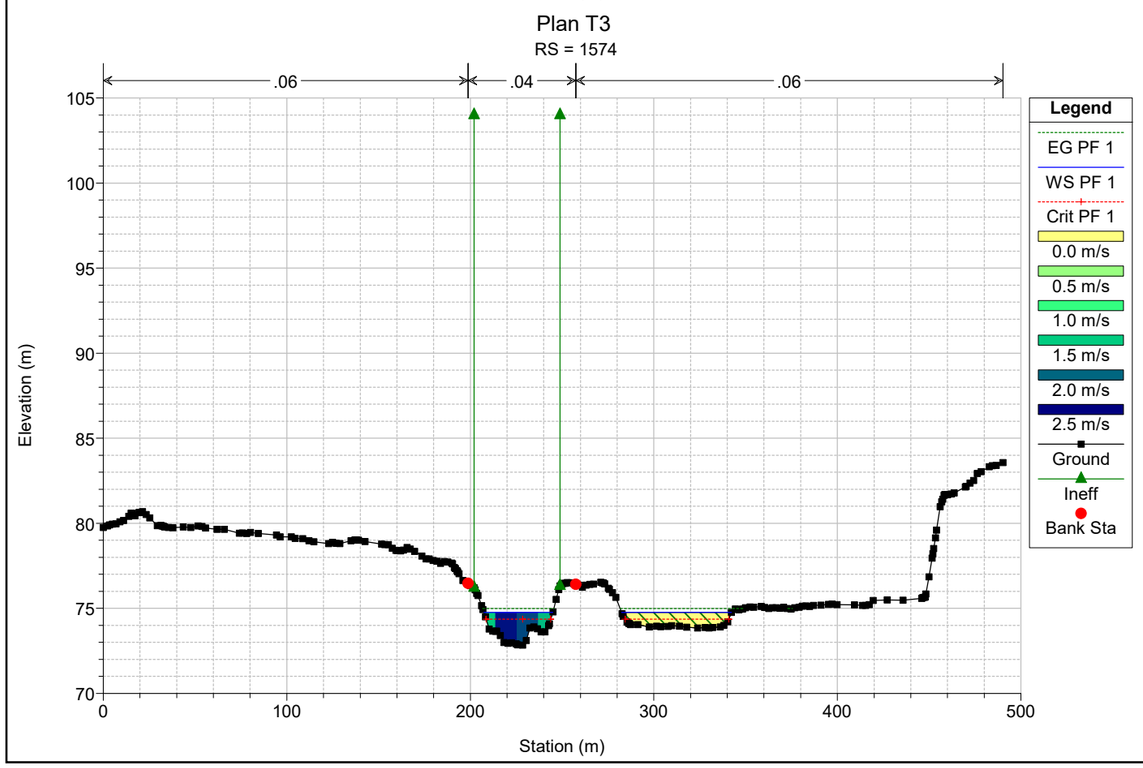

Plan T3
RS = 1791
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

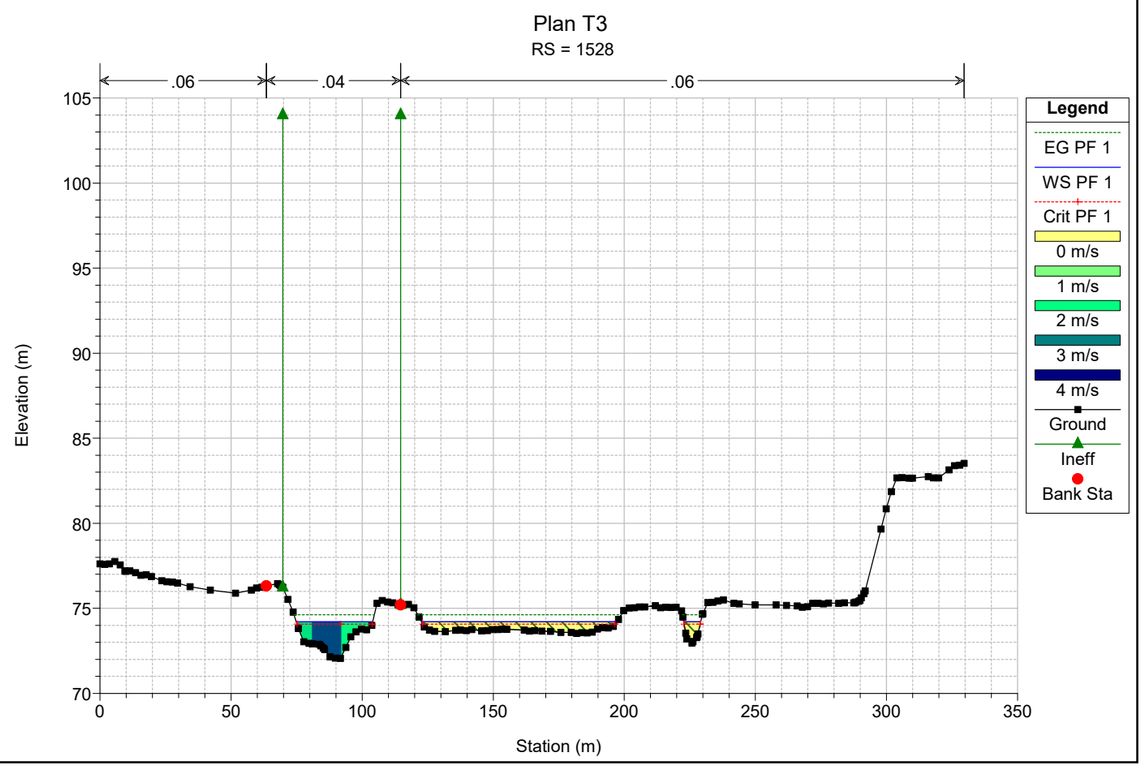

Plan T3
RS = 1752
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

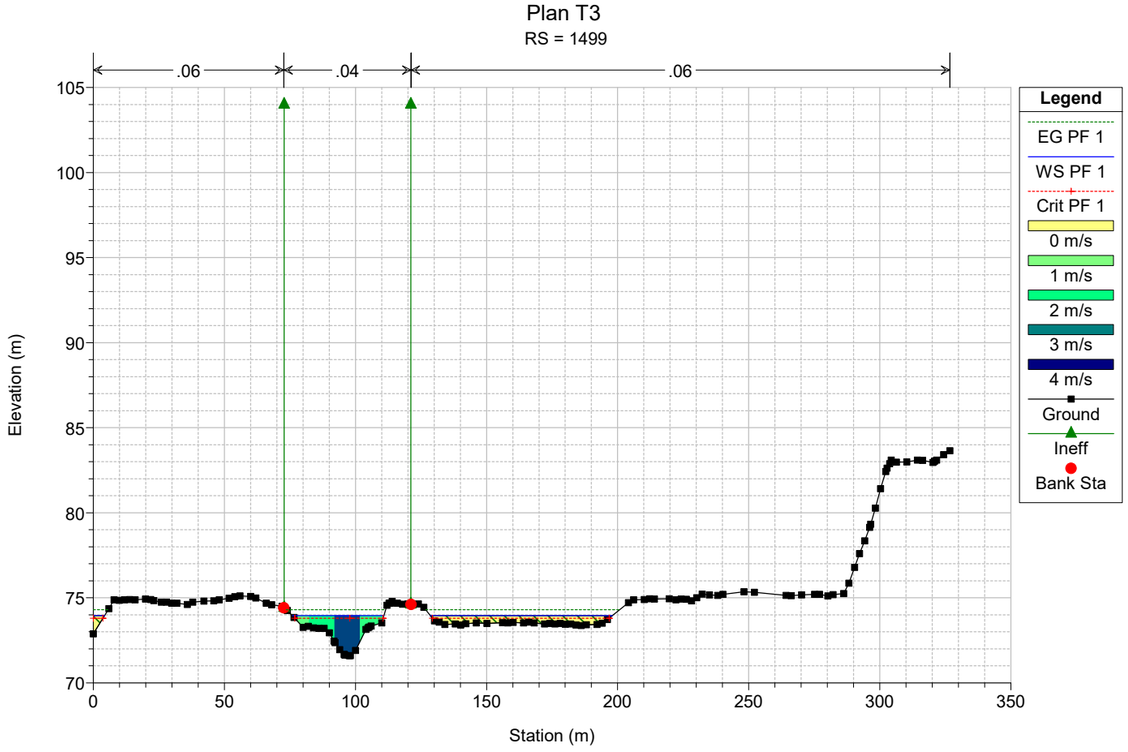

Plan T3
RS = 1715
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

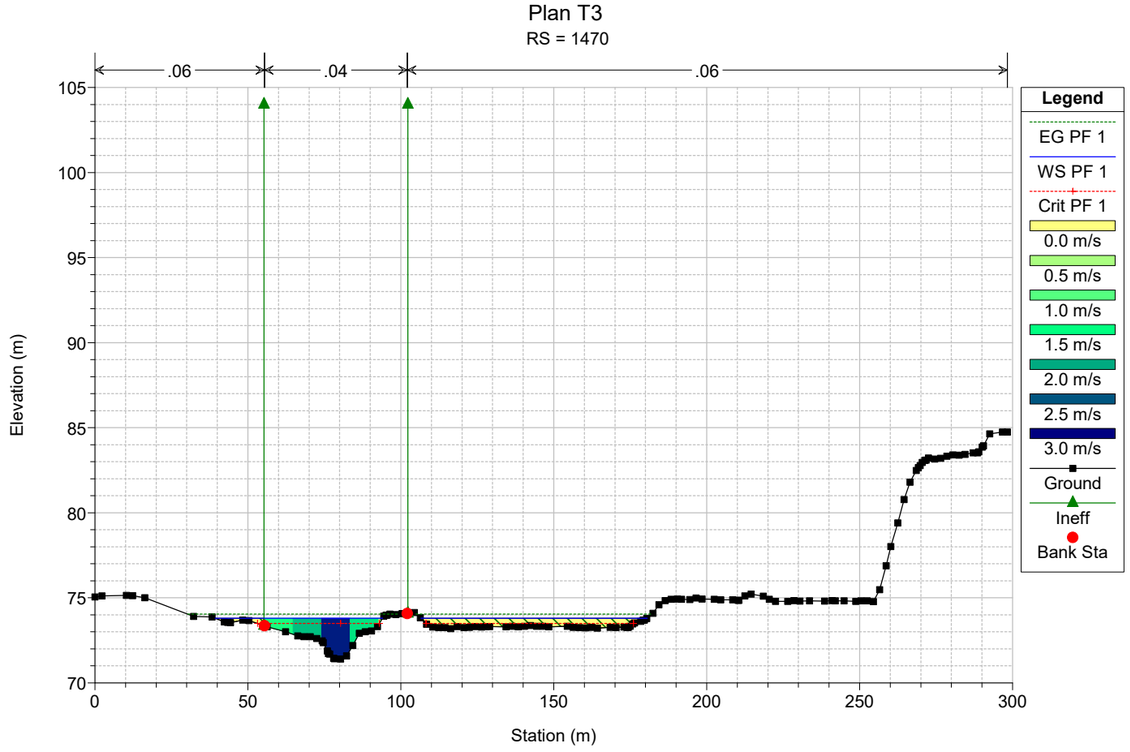

Plan T3
RS = 1668
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

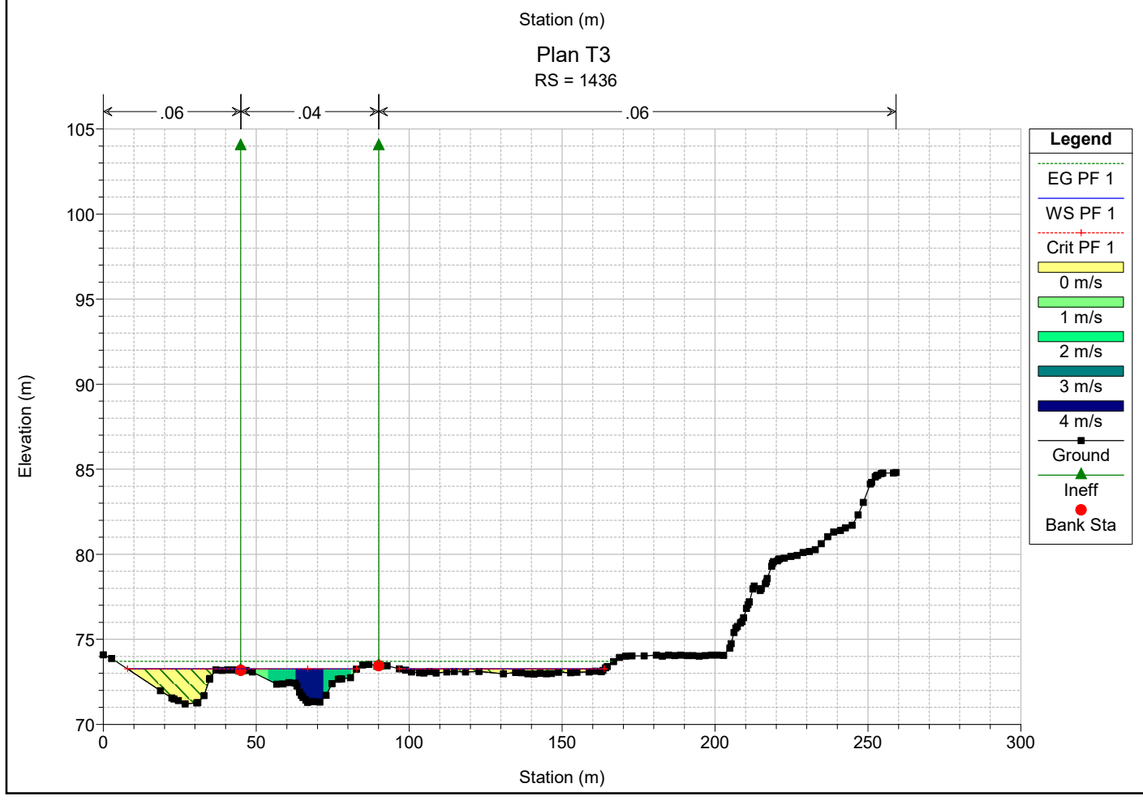

Plan T3
RS = 1613
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

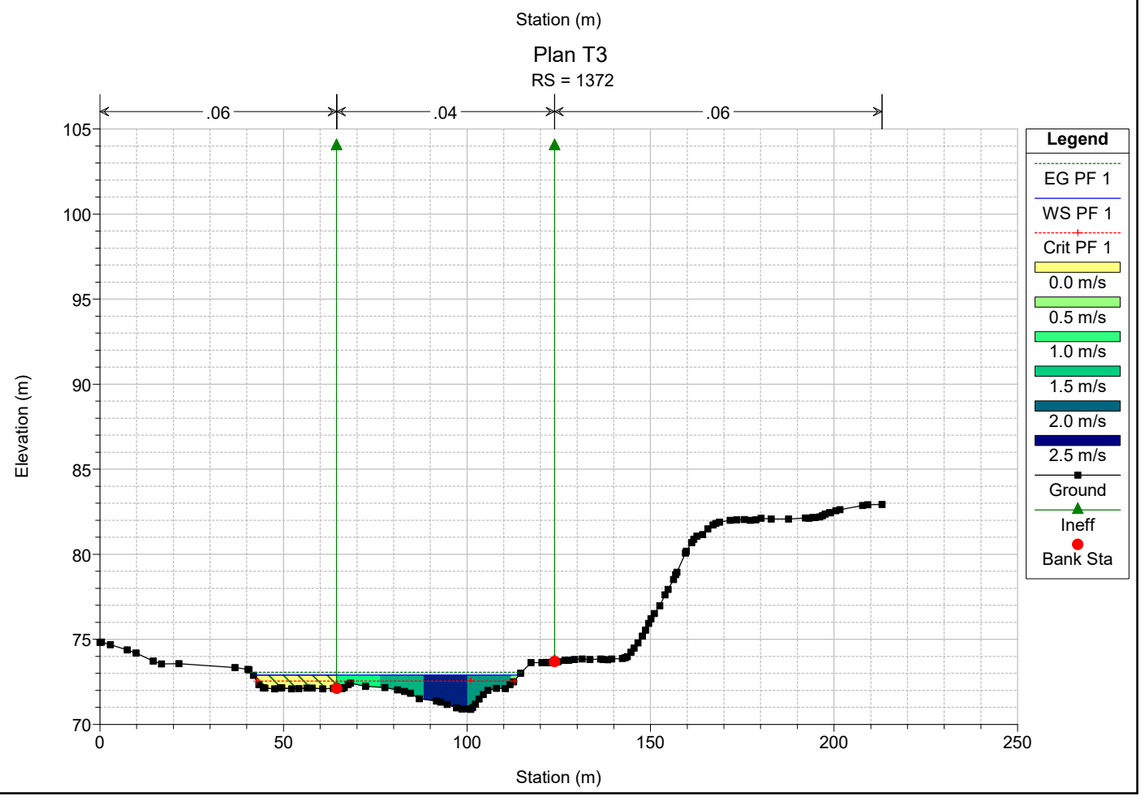

Plan T3
RS = 1574
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

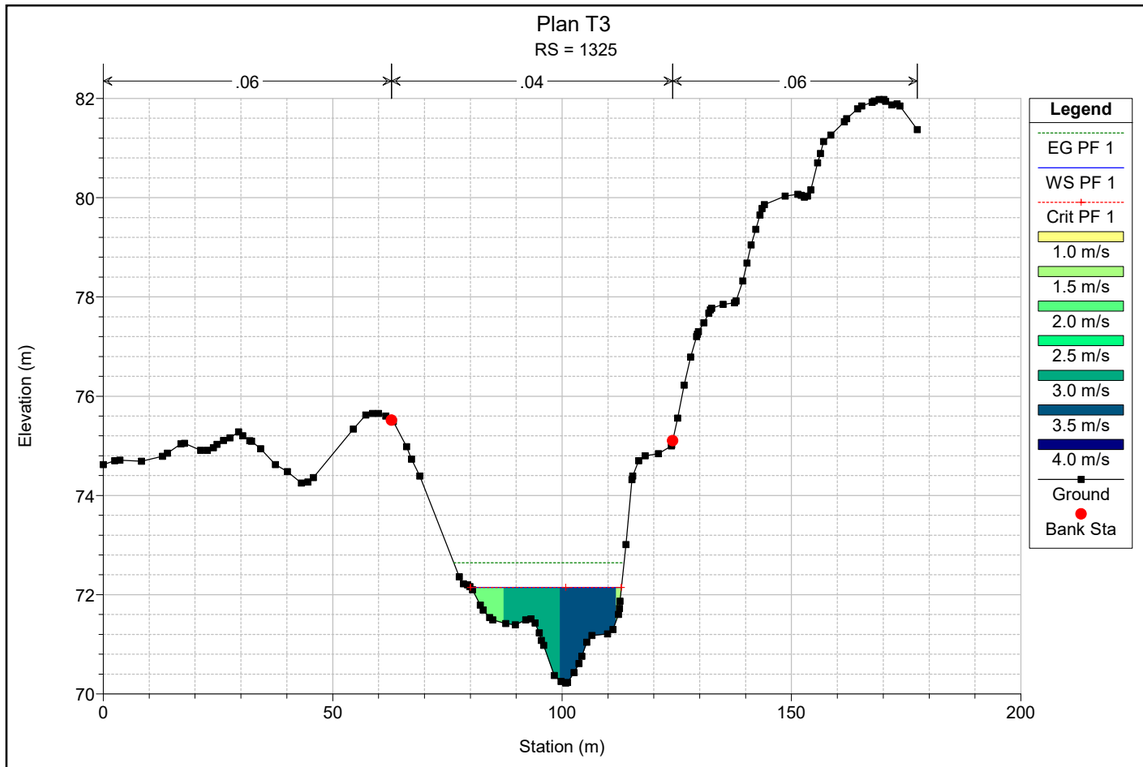

Plan T3
RS = 1528
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

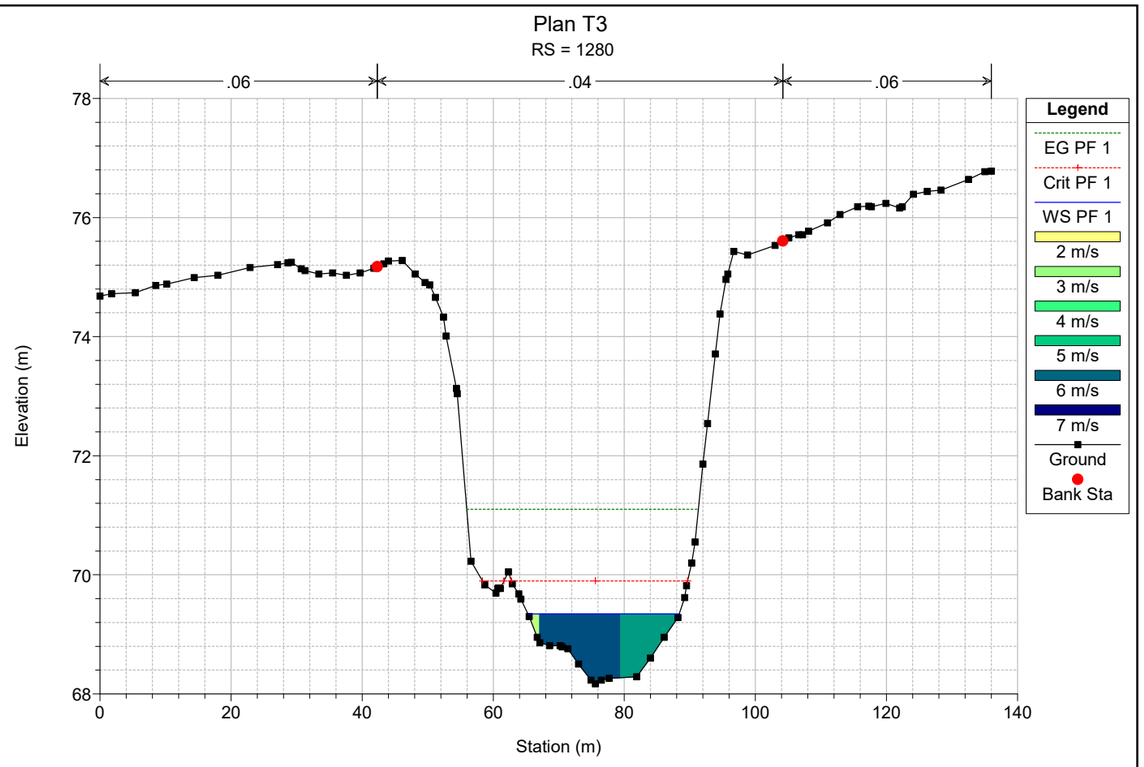

Plan T3
RS = 1499
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

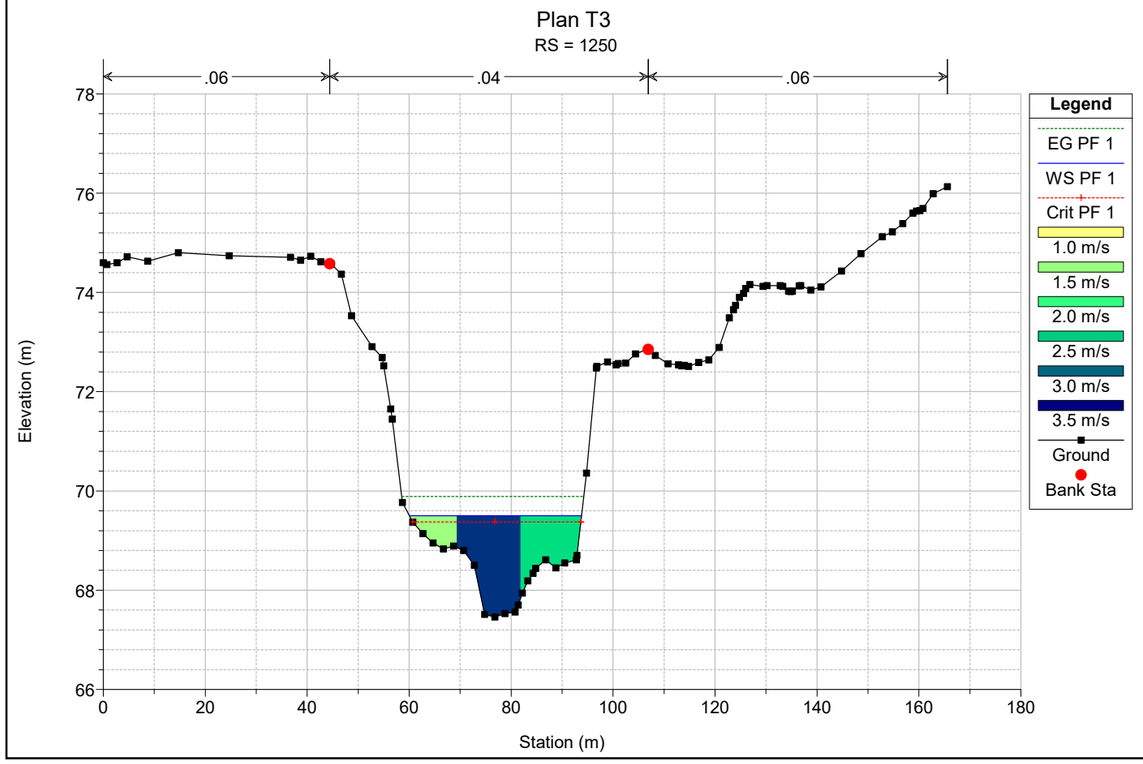

Plan T3
RS = 1470
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

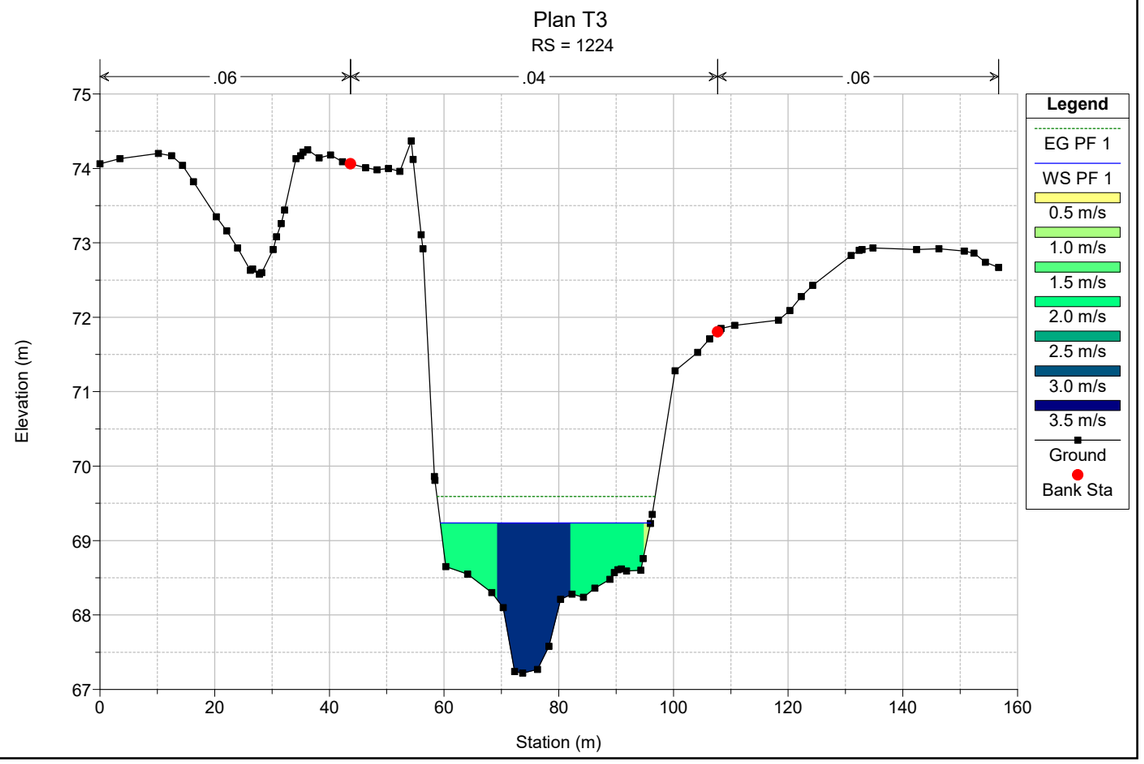

Plan T3
RS = 1436
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

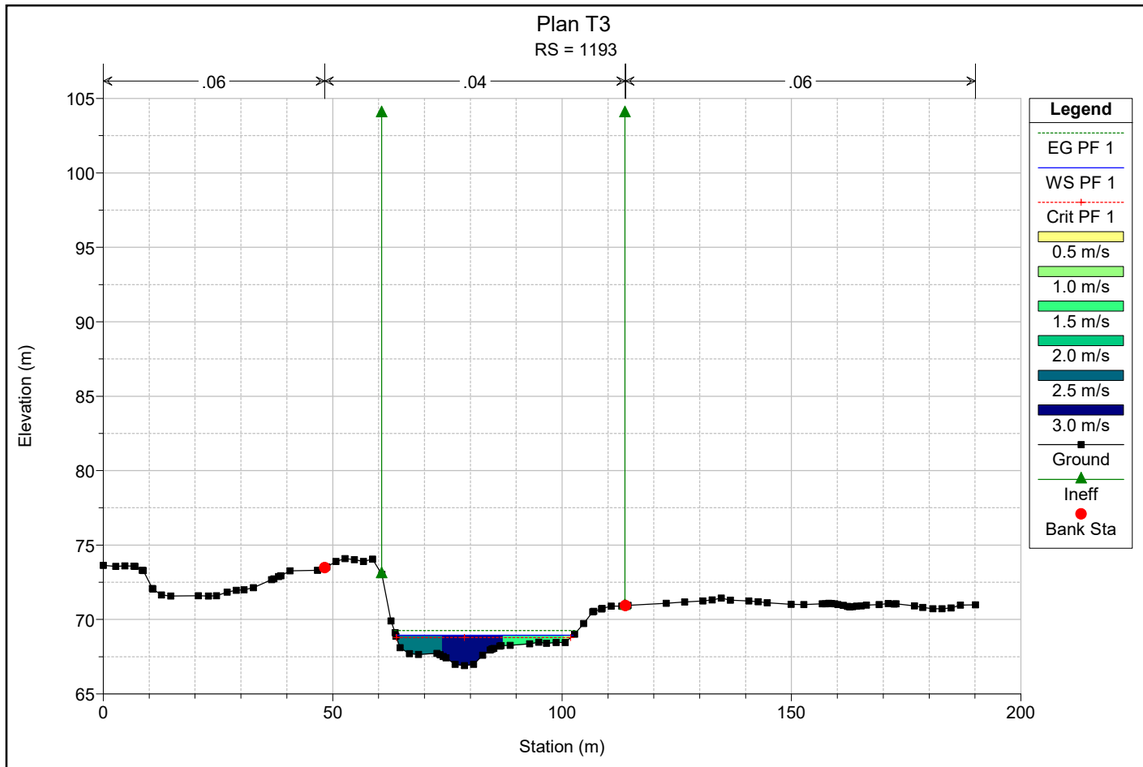

Plan T3
RS = 1372
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

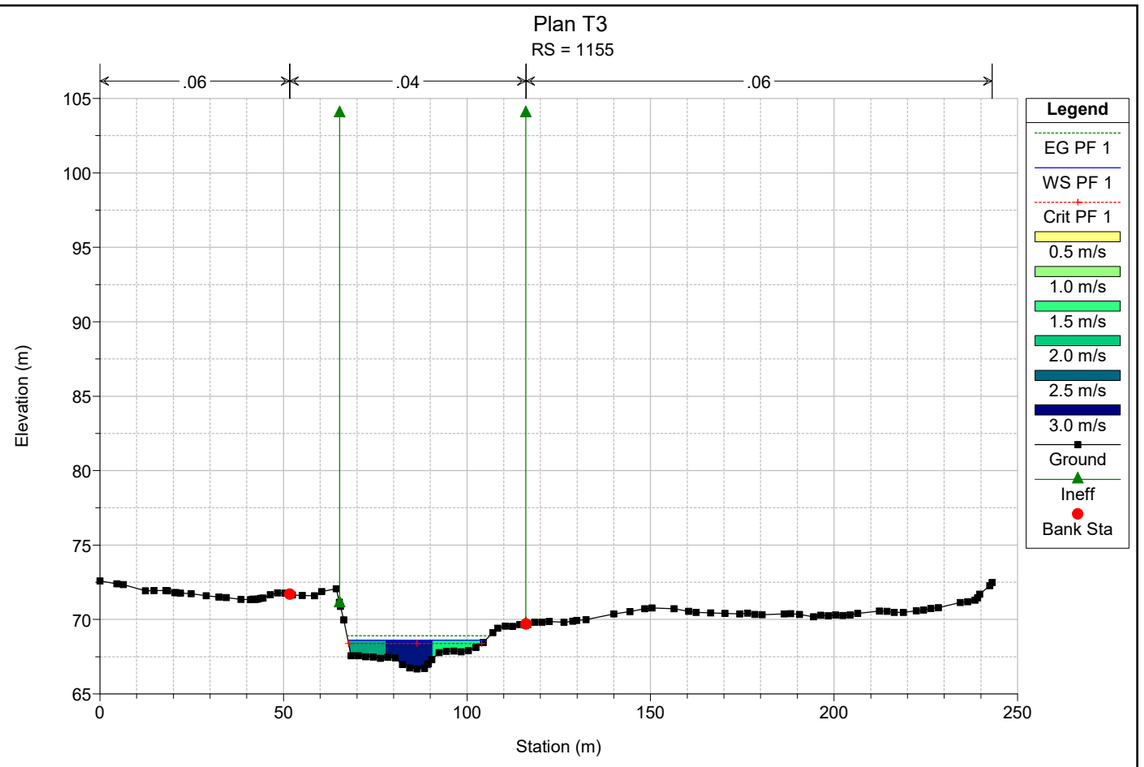

Plan T3
RS = 1325
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

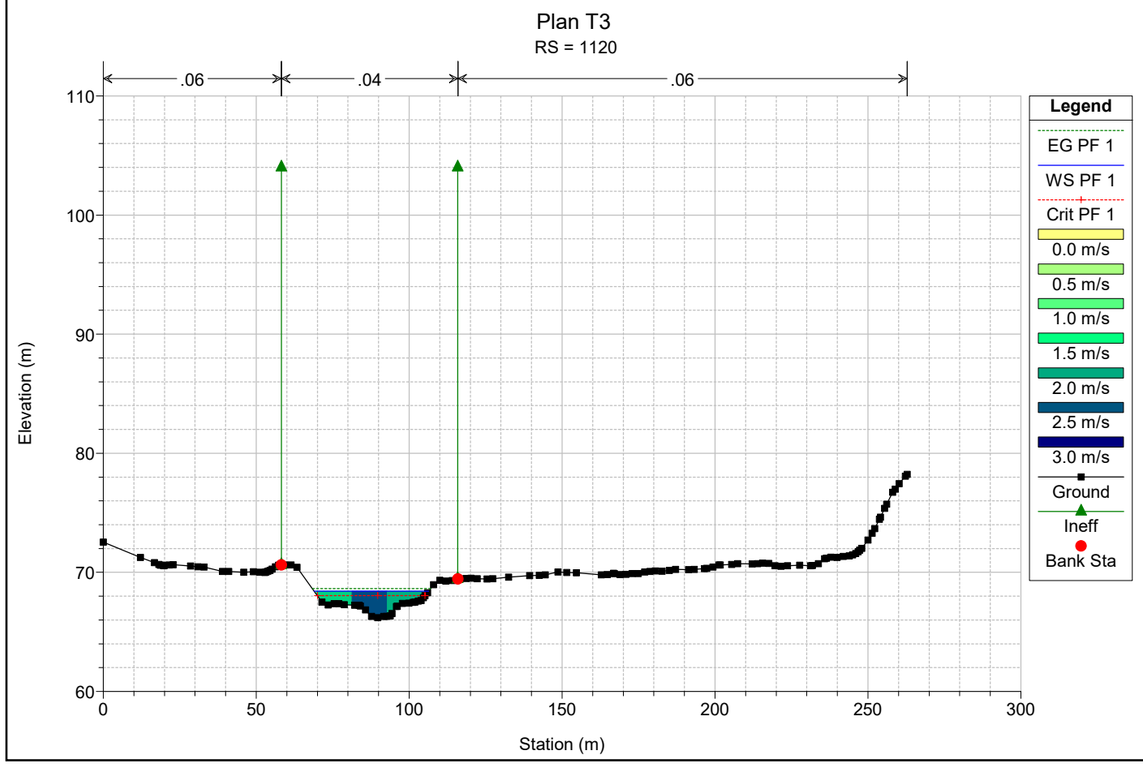

Plan T3
RS = 1280
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
Ground
Bank Sta

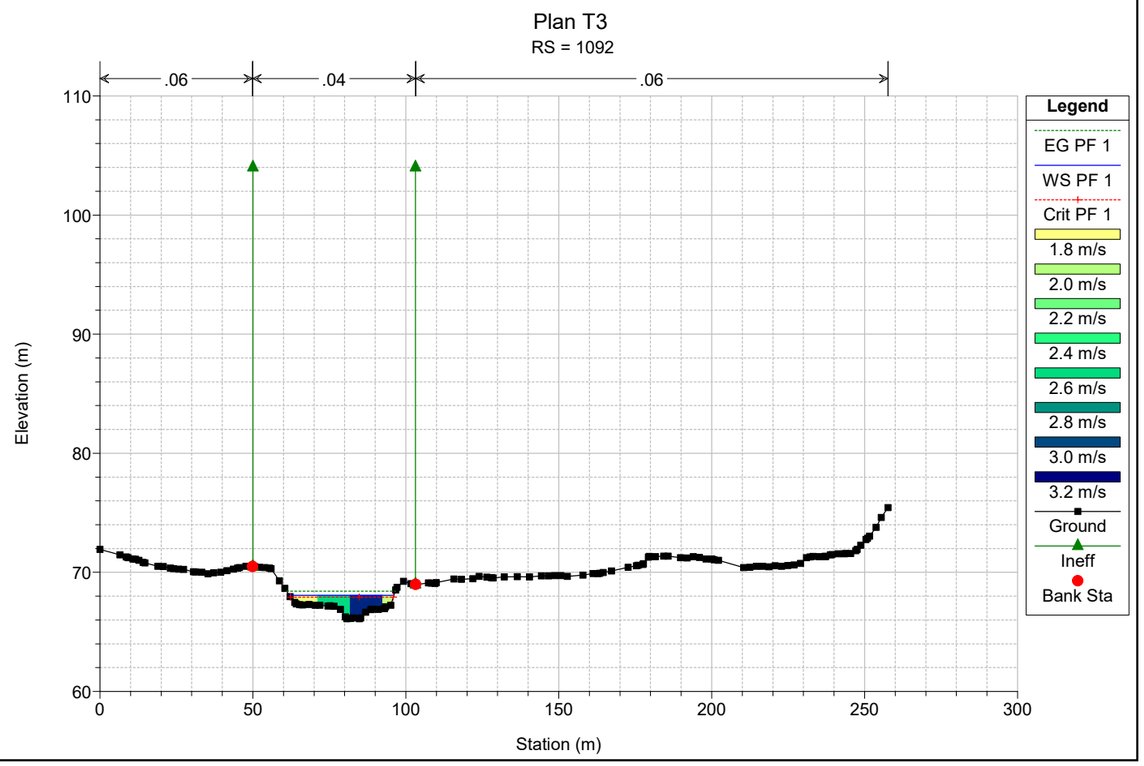

Plan T3
RS = 1250
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

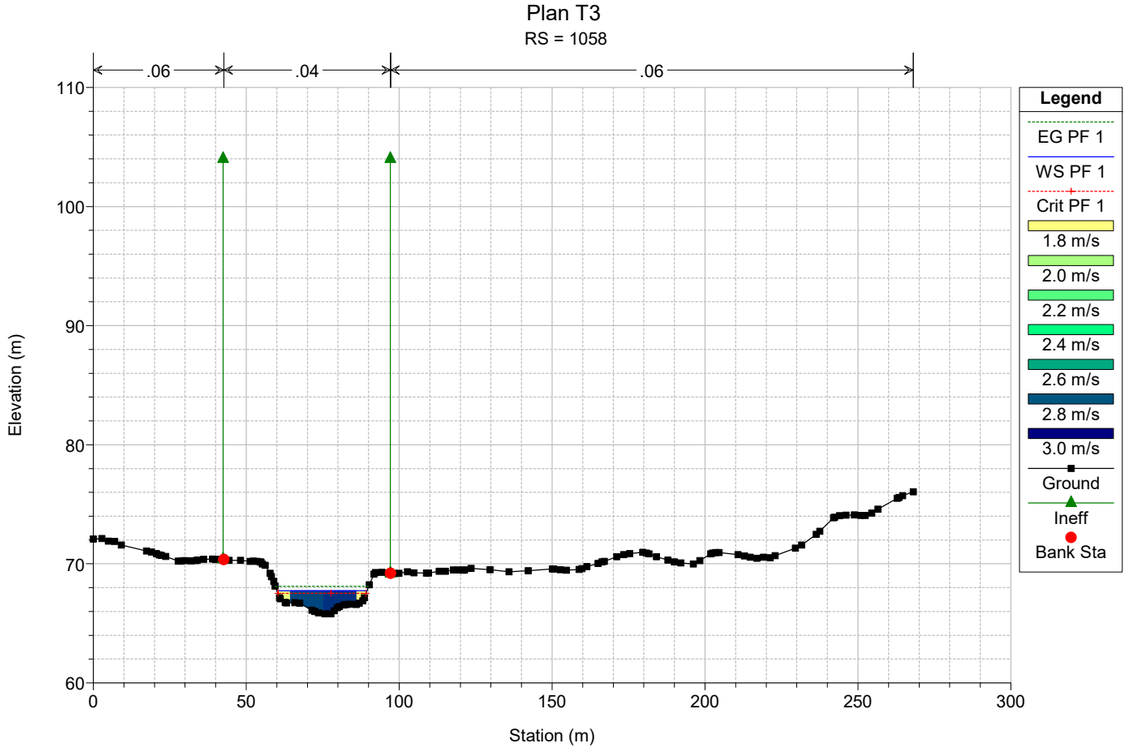

Plan T3
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

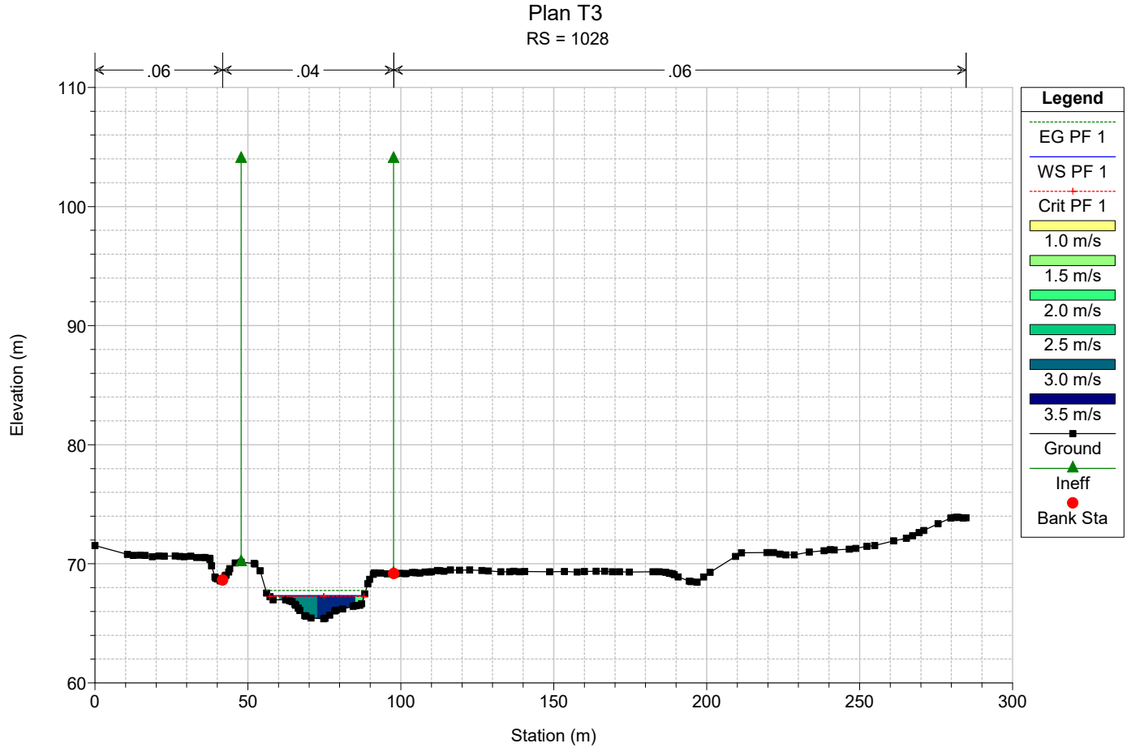

Plan T3
RS = 1193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

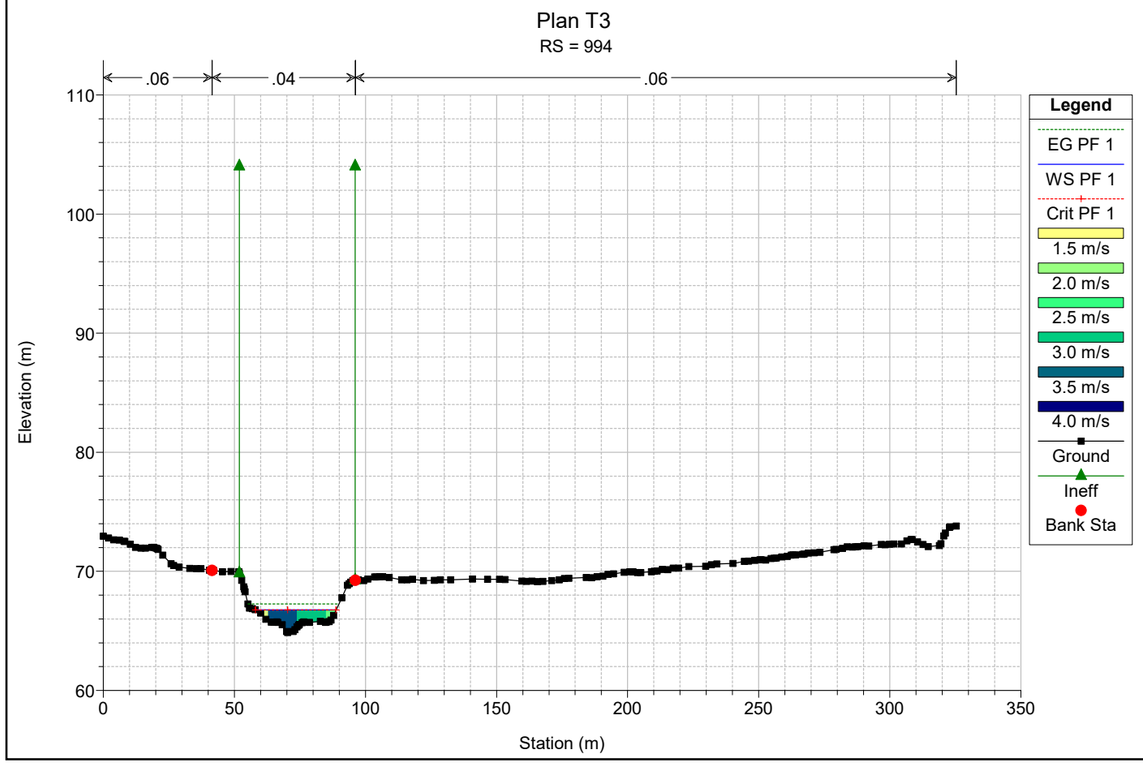

Plan T3
RS = 1155
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

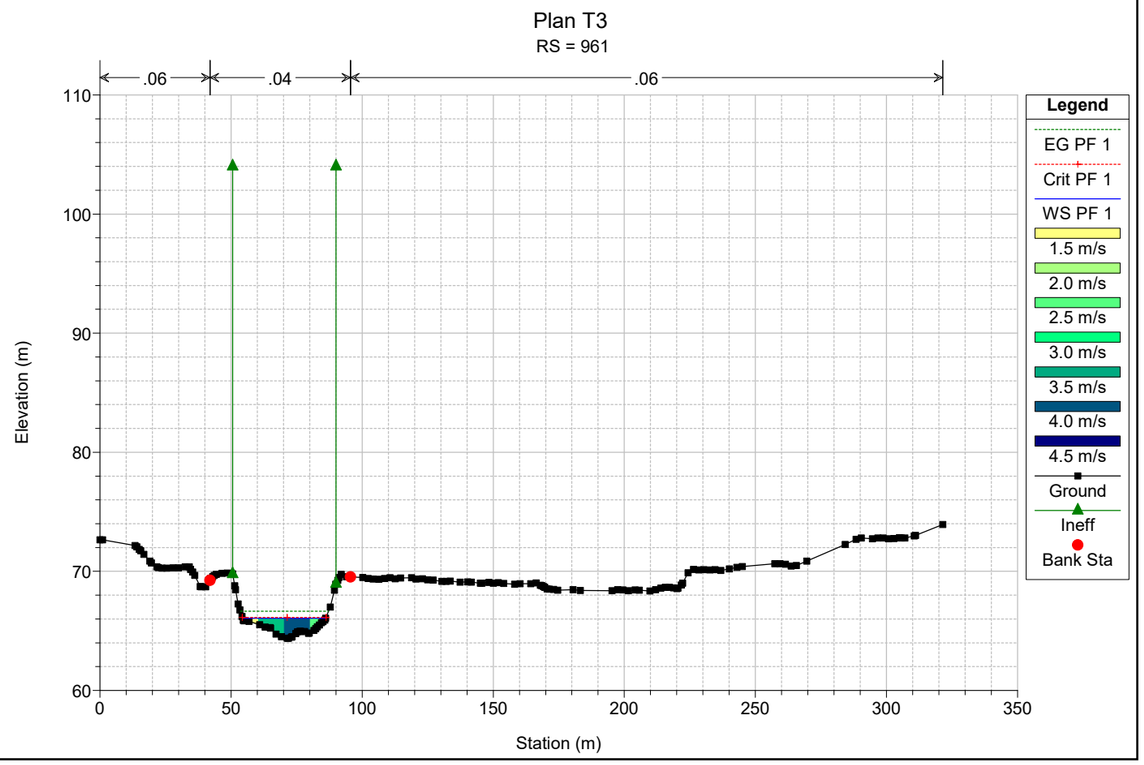

Plan T3
RS = 1120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 1092
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
Ground
Ineff
Bank Sta

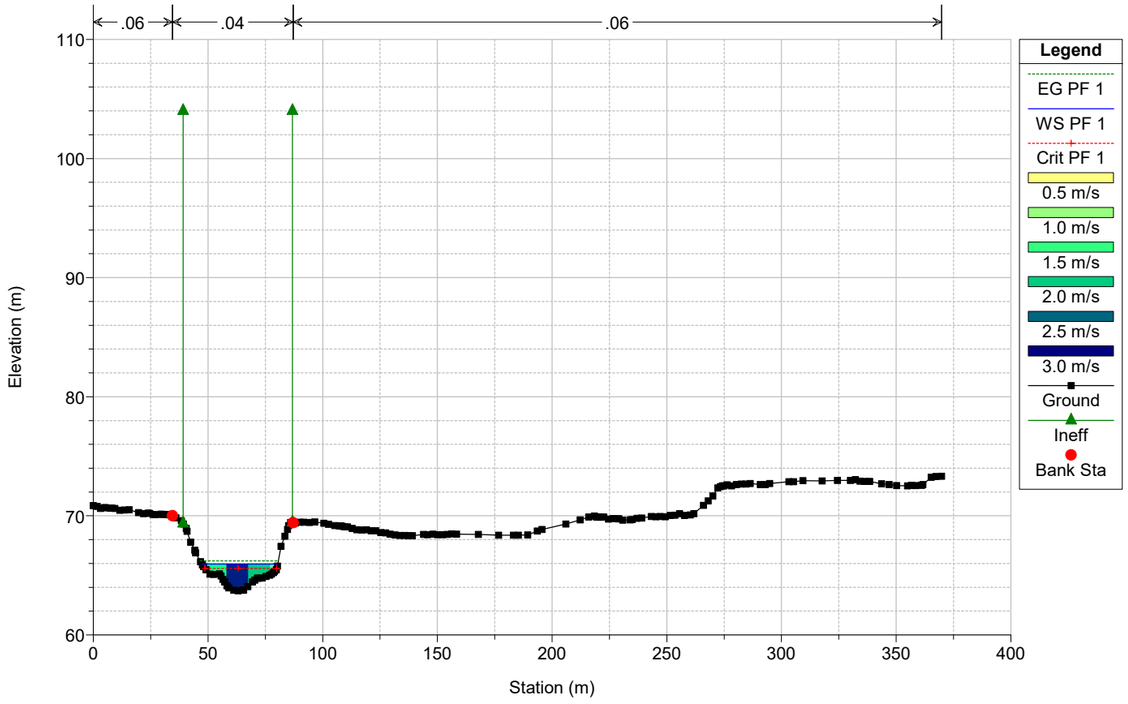

Plan T3
RS = 1058
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 1028
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

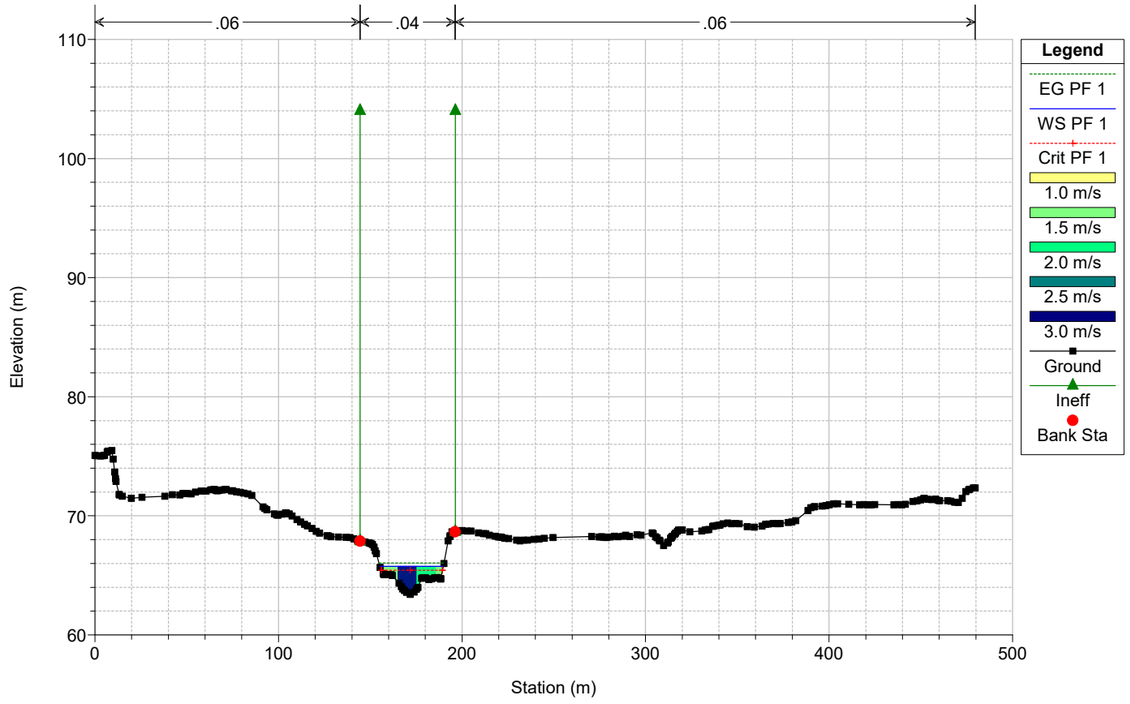

Plan T3
RS = 994
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

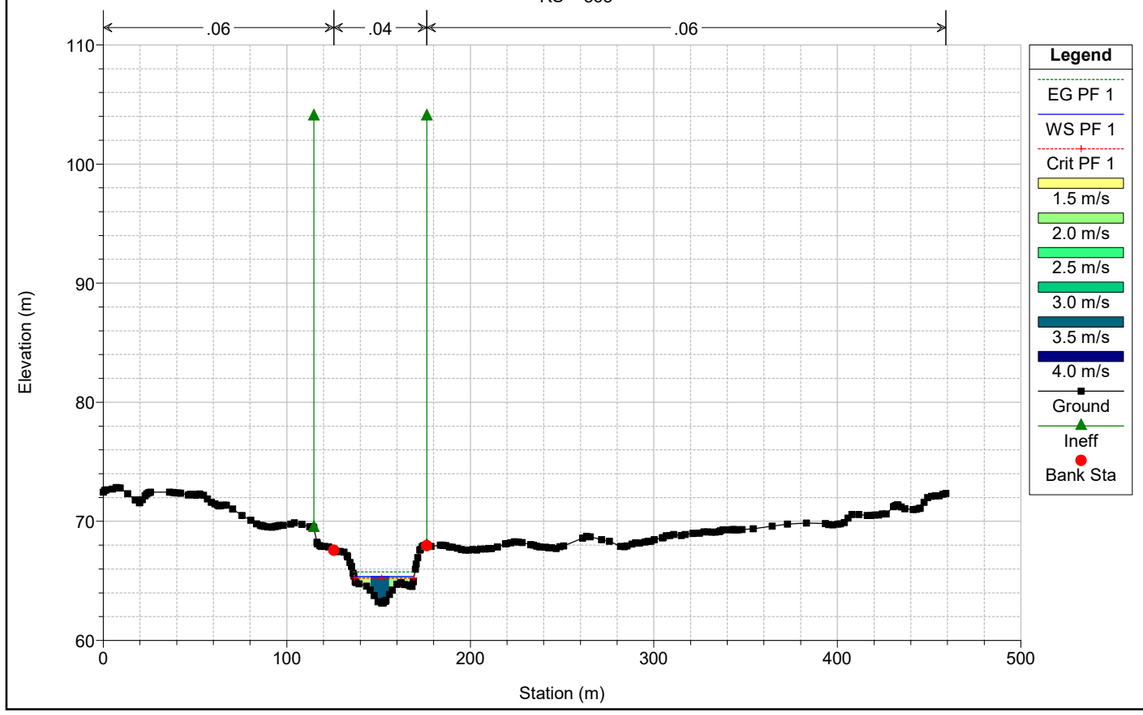
Plan T3
RS = 930



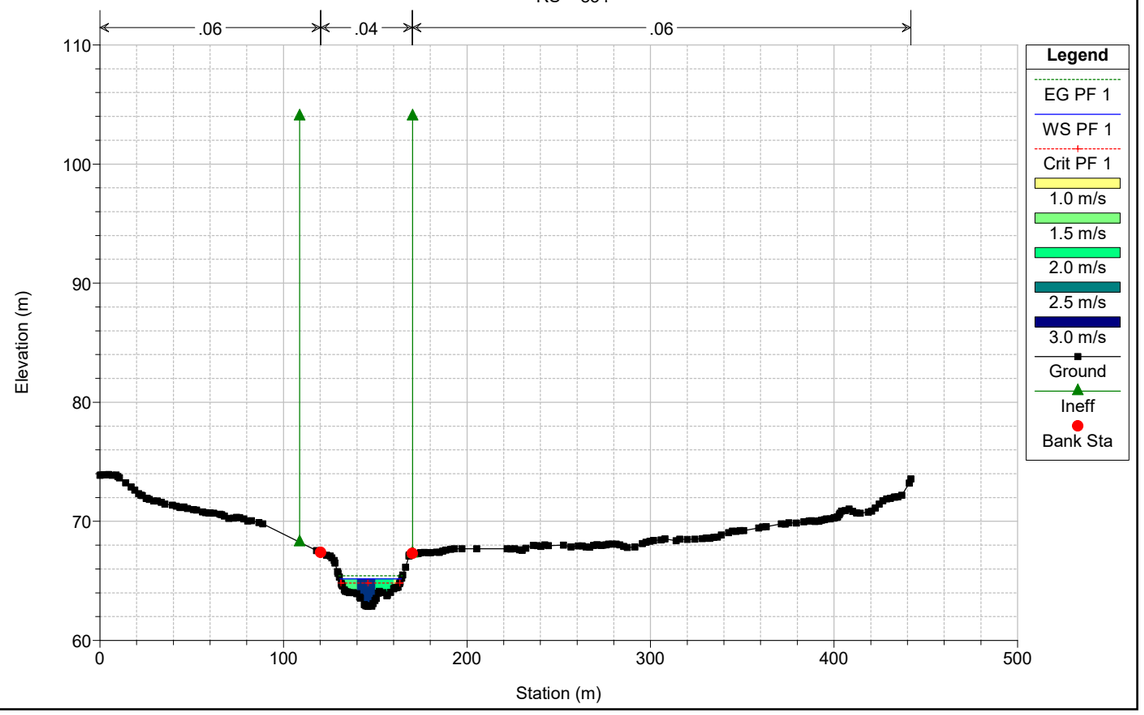
Plan T3
RS = 899

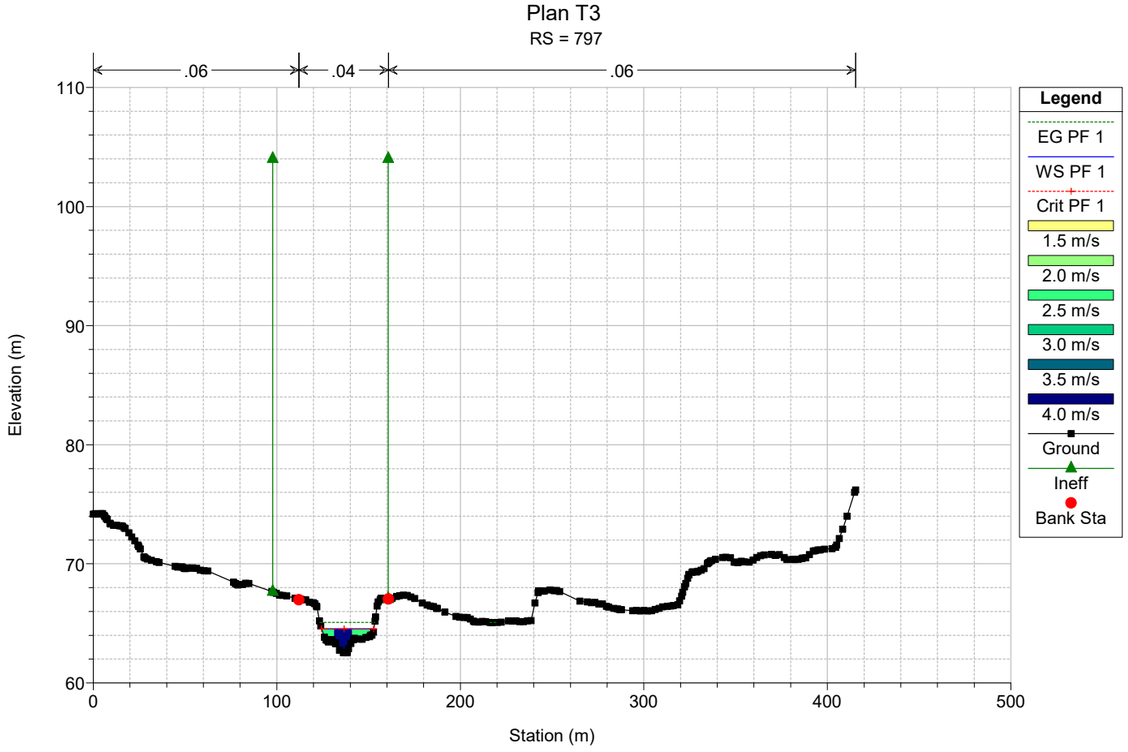


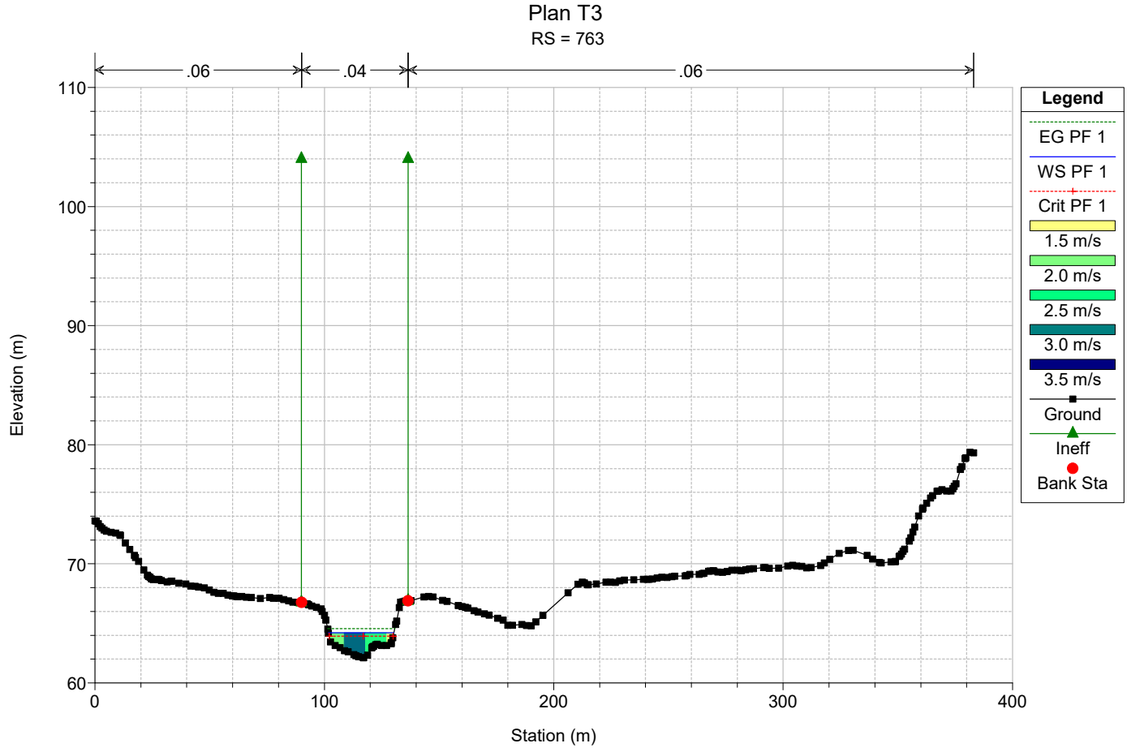
Plan T3
RS = 868

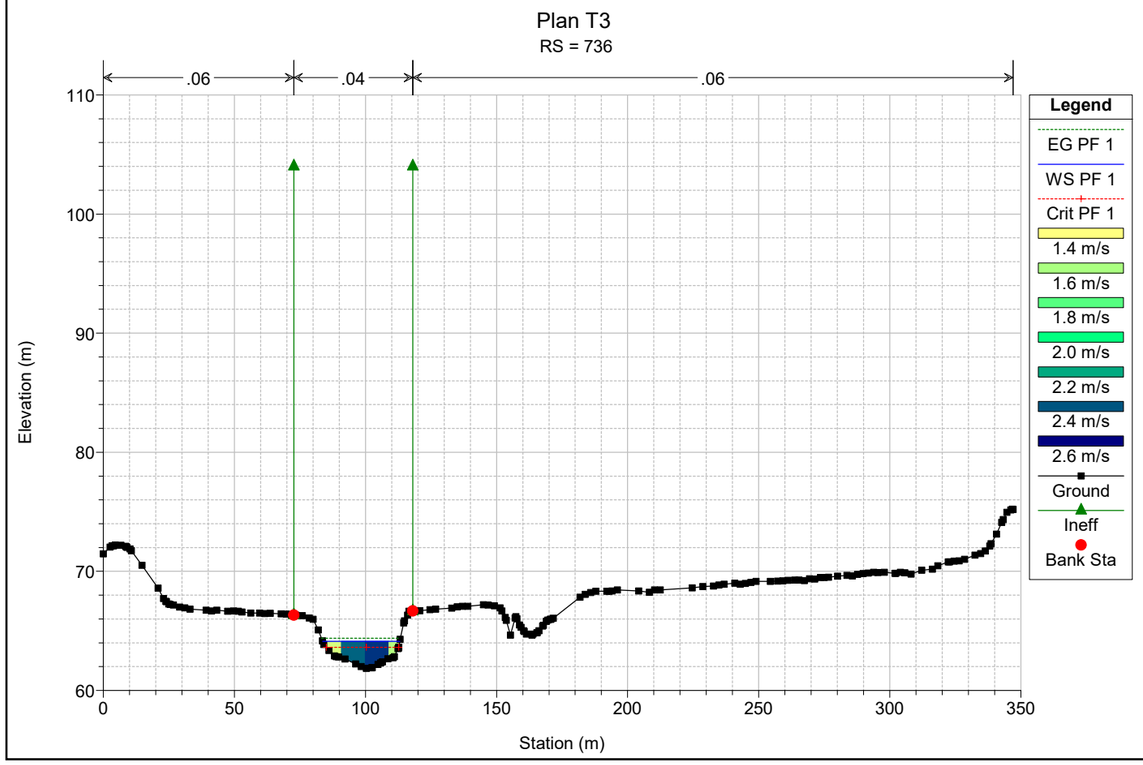


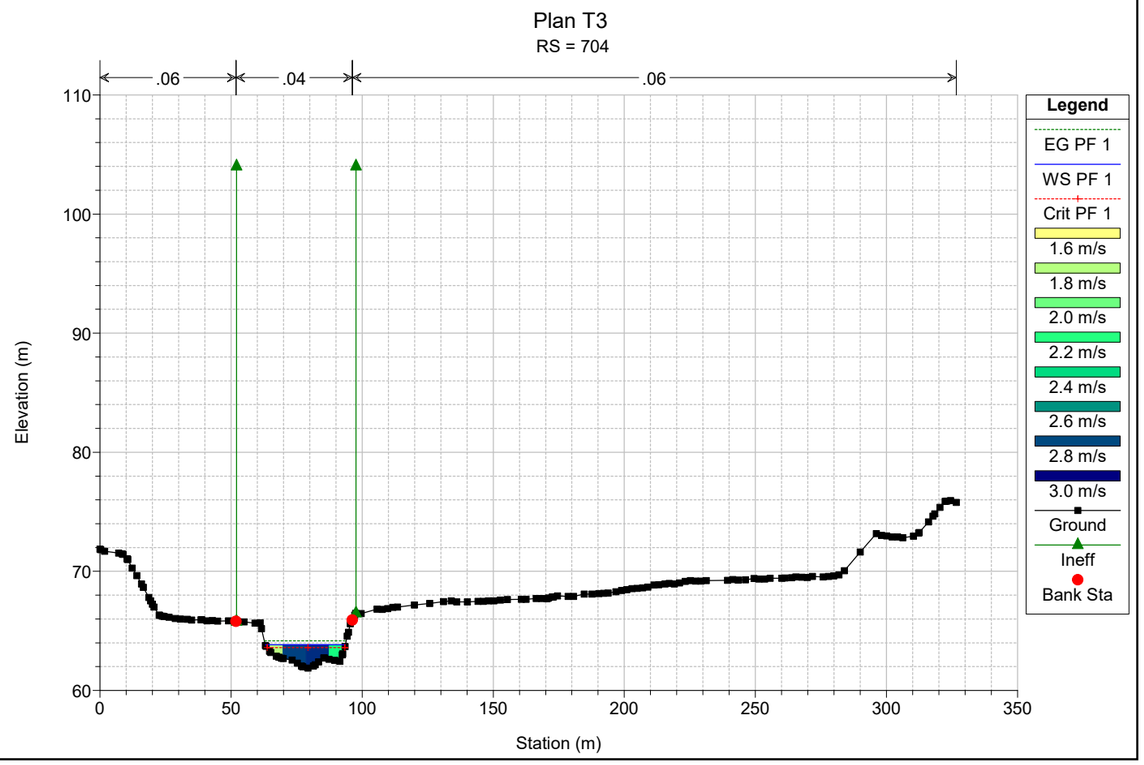
Plan T3
RS = 834

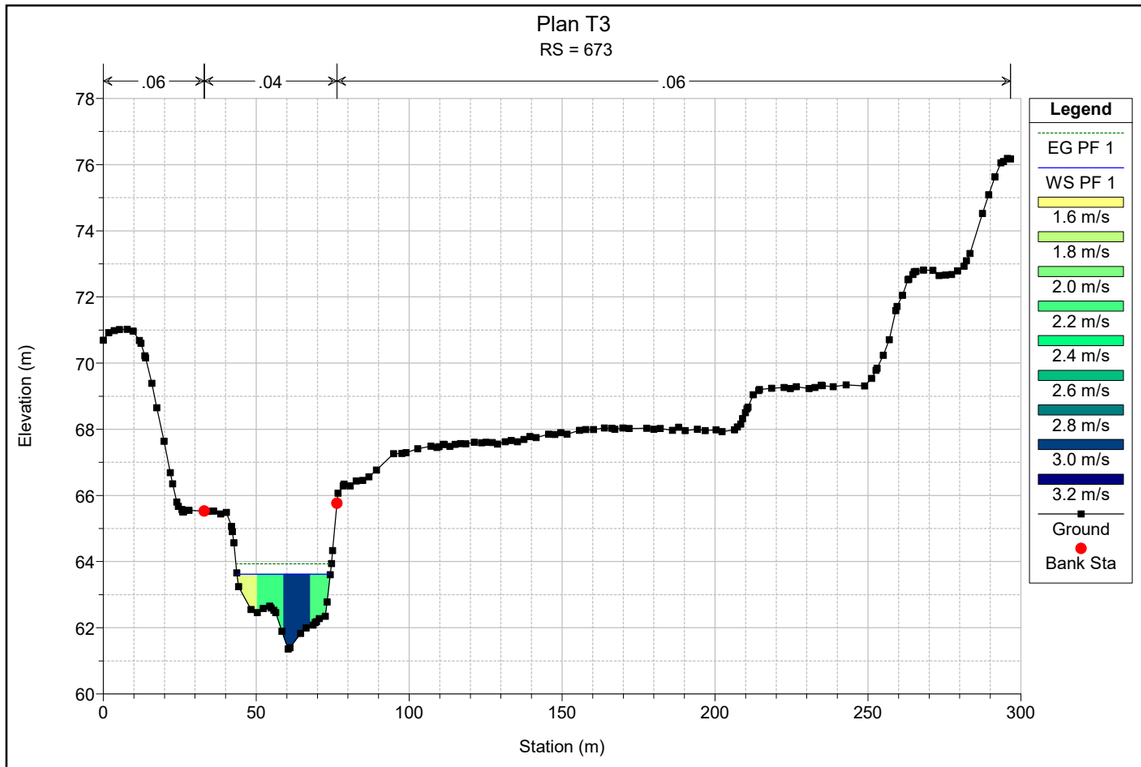


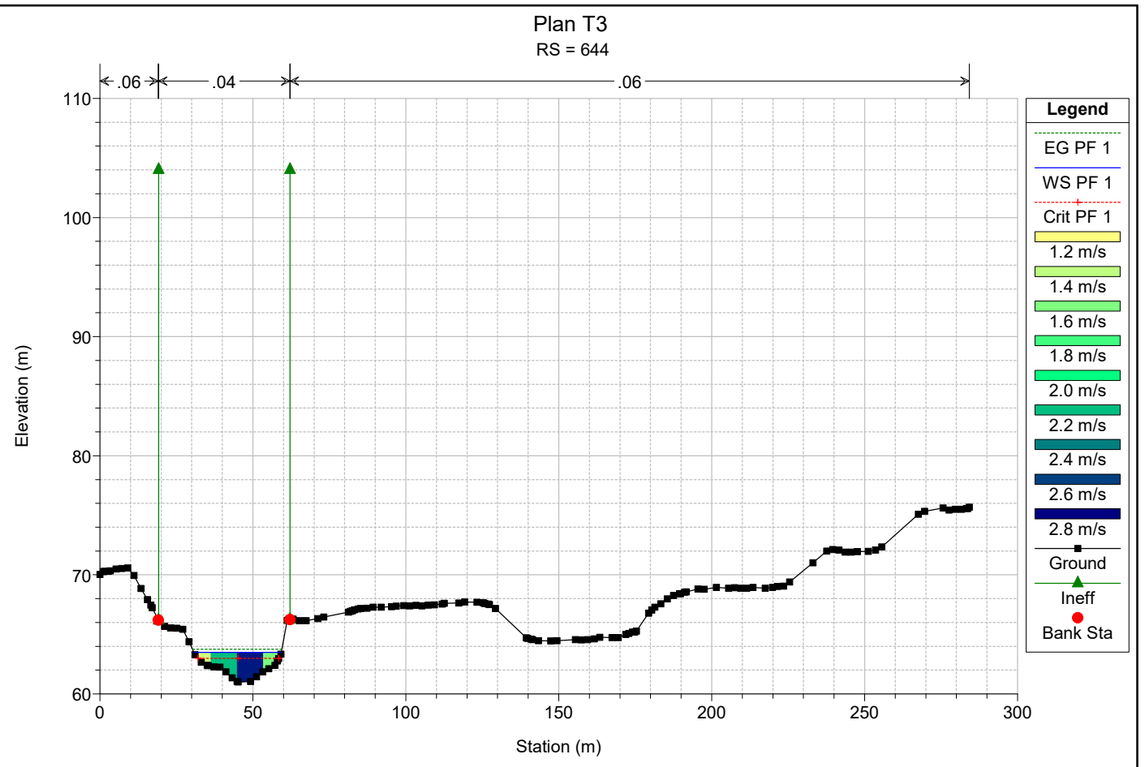

Plan T3
RS = 797
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

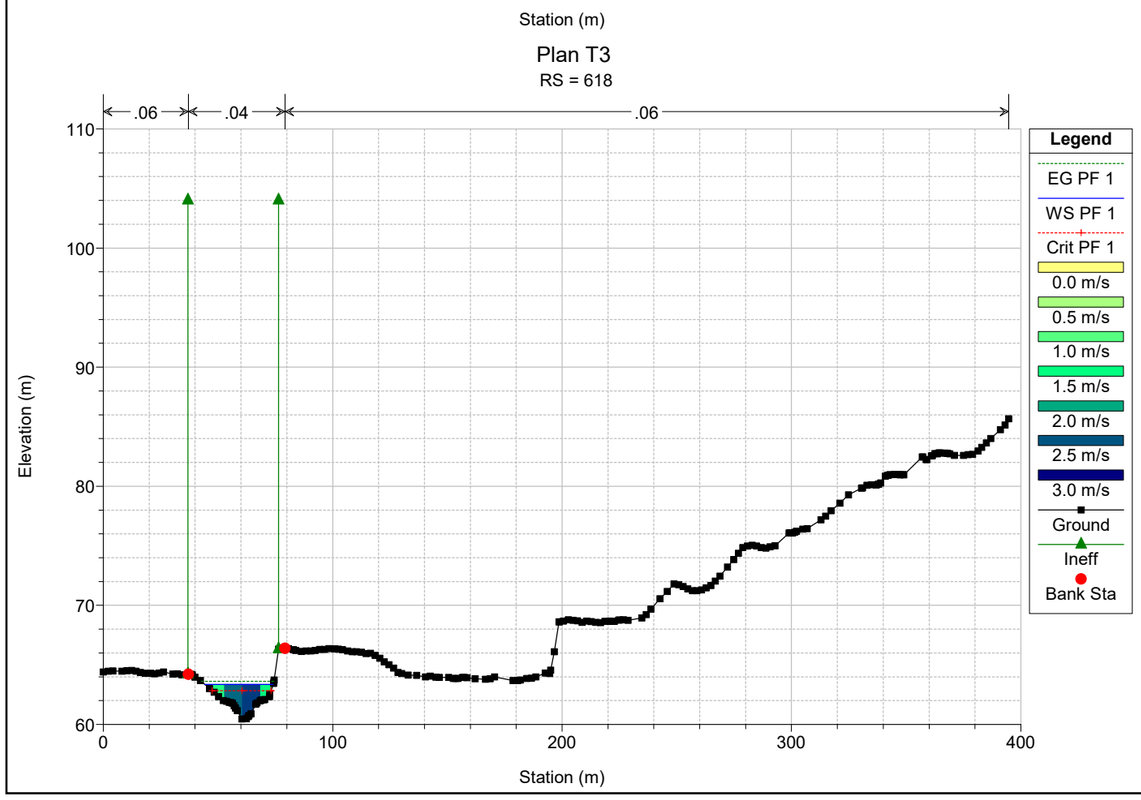

Plan T3
RS = 763
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

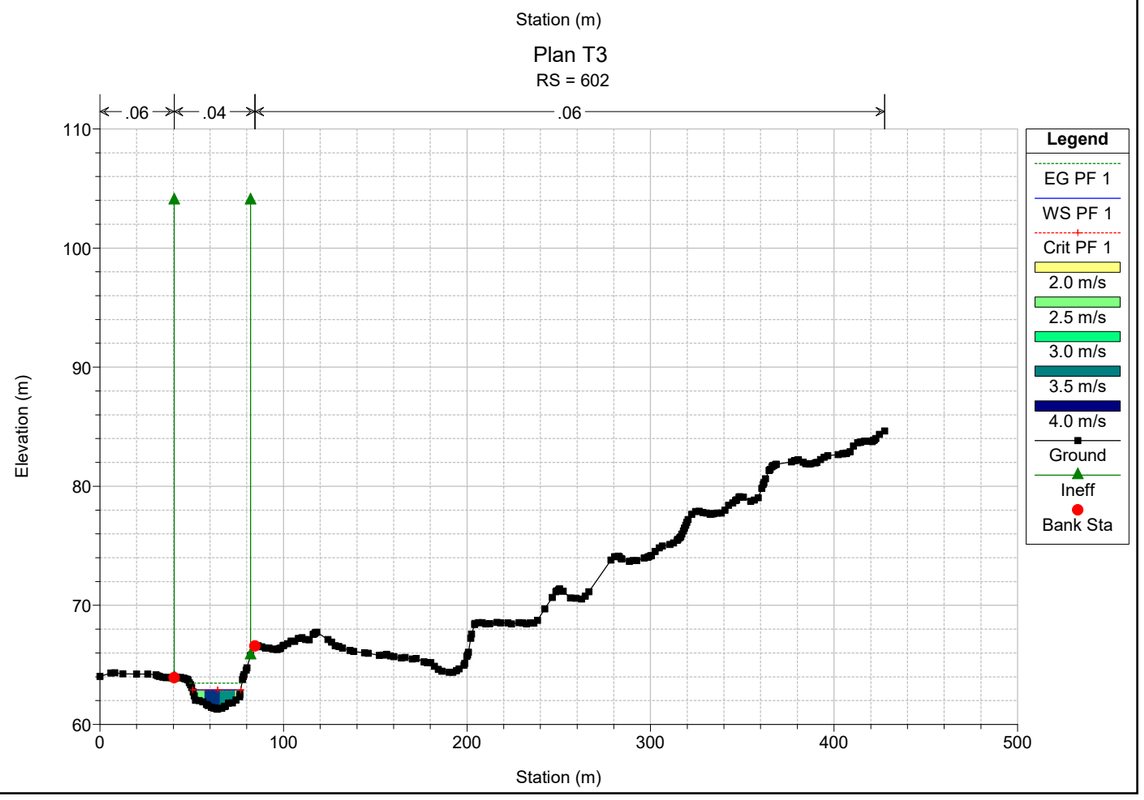

Plan T3
RS = 736
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
Ground
Ineff
Bank Sta

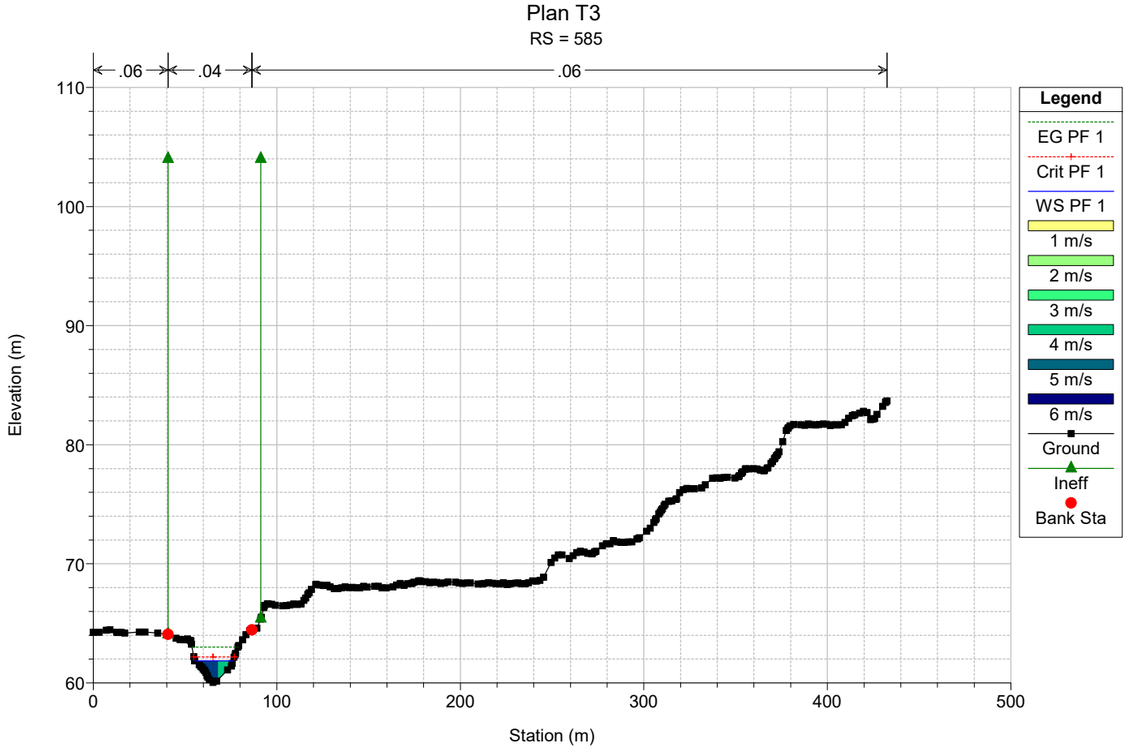

Plan T3
RS = 704
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
Ground
Ineff
Bank Sta

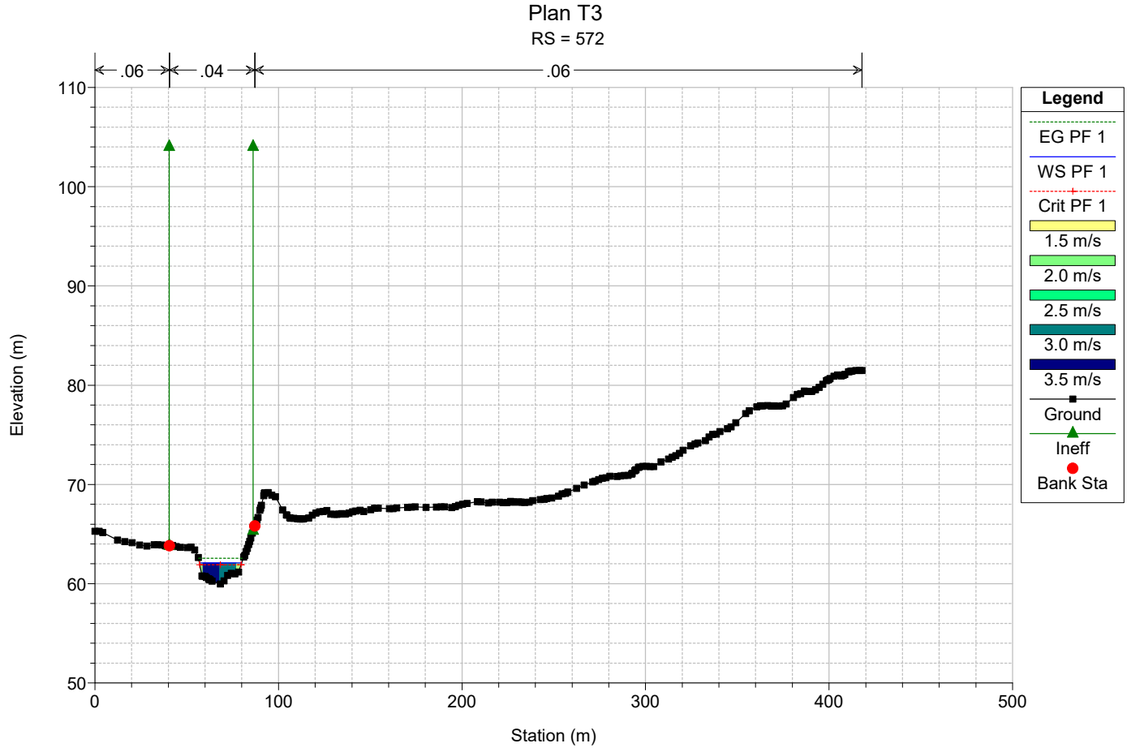

Plan T3
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
Ground
Bank Sta

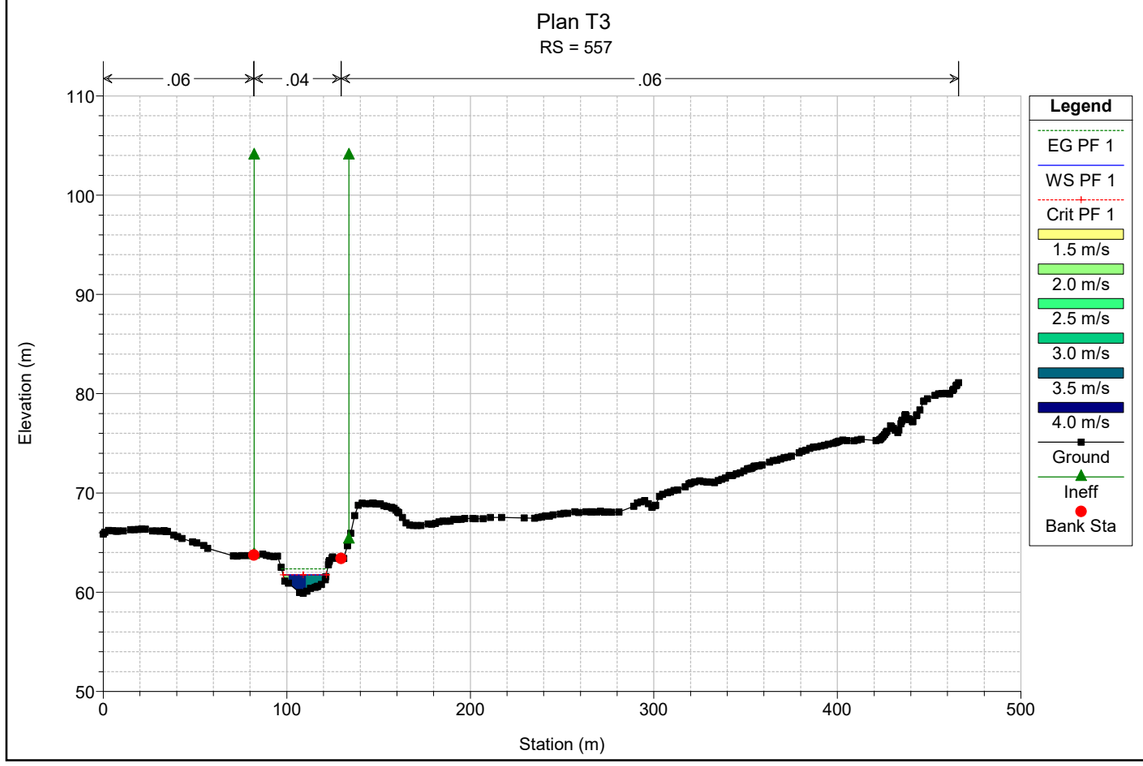

Plan T3
RS = 644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.2 m/s
1.4 m/s
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

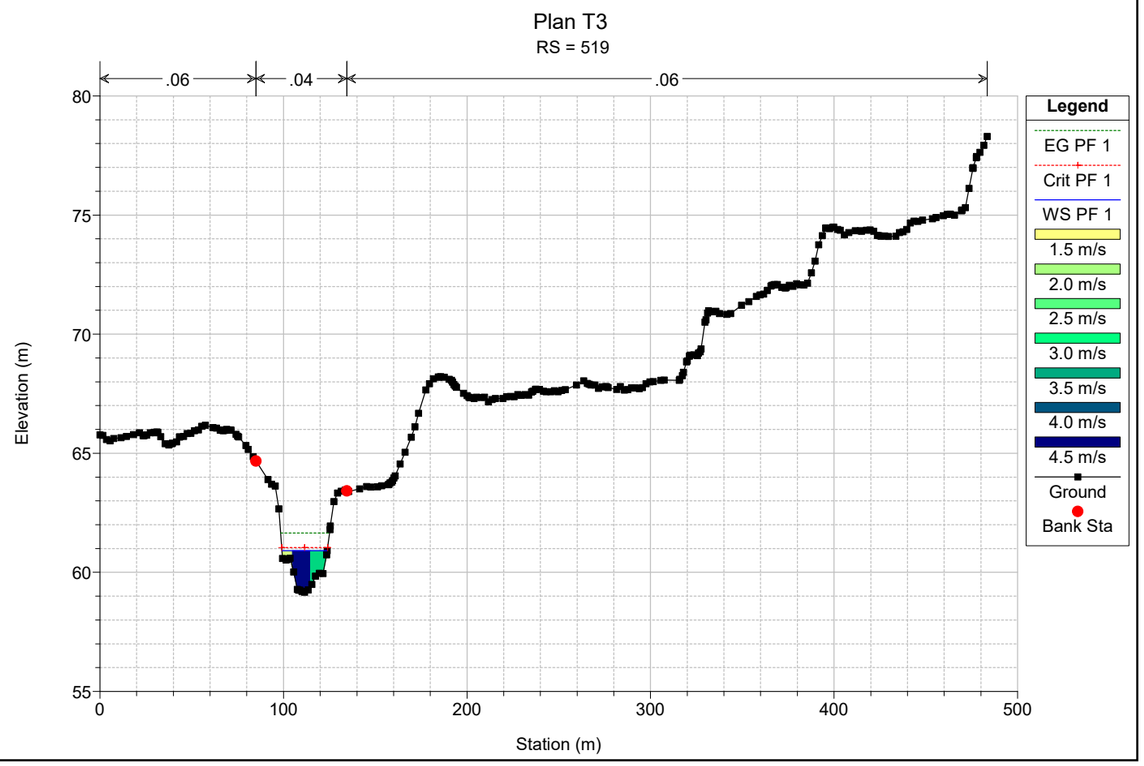

Plan T3
RS = 618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

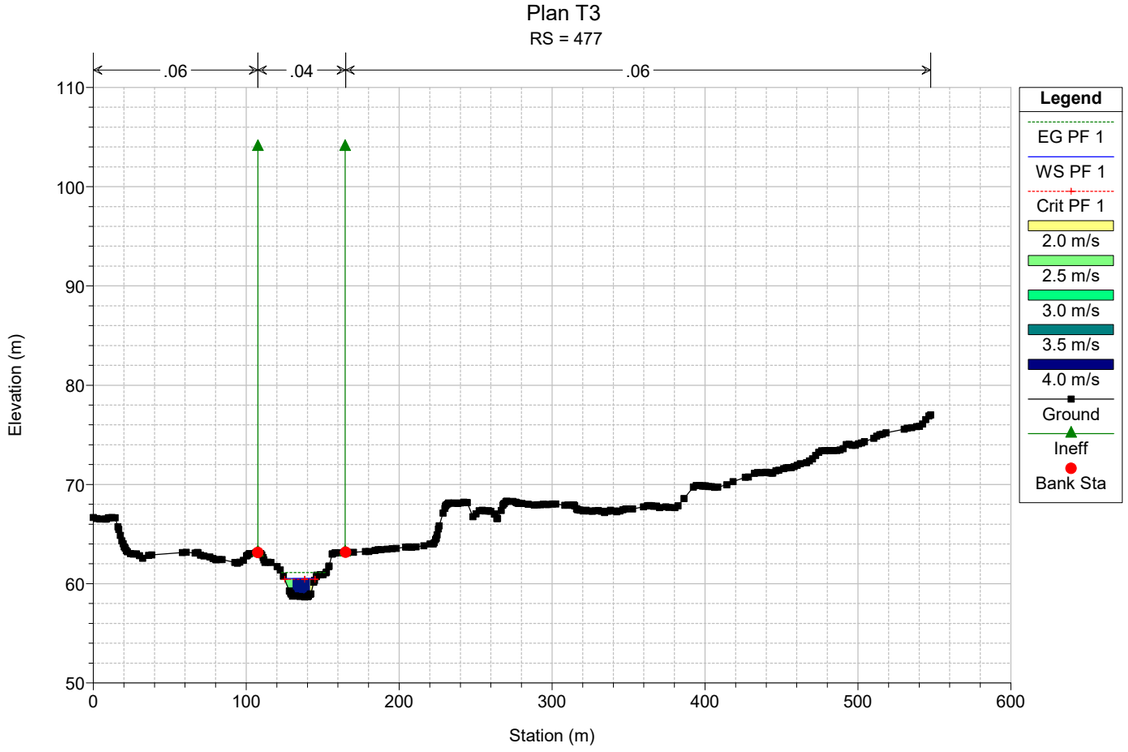

Plan T3
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

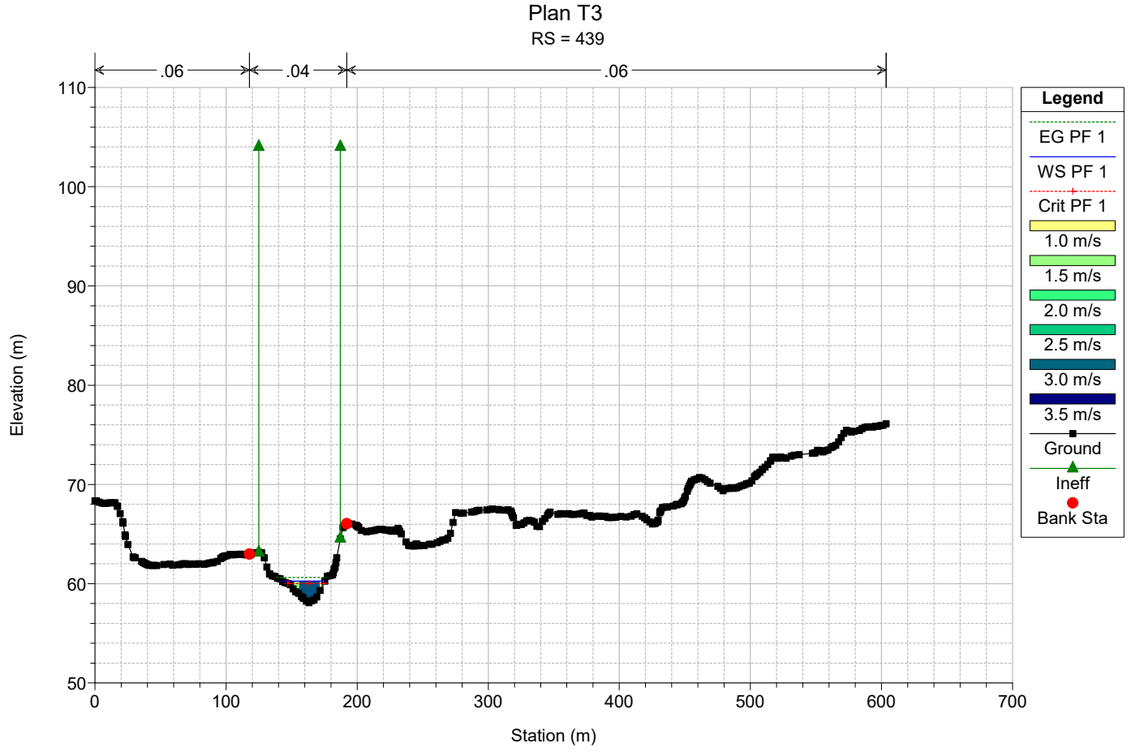

Plan T3
RS = 585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

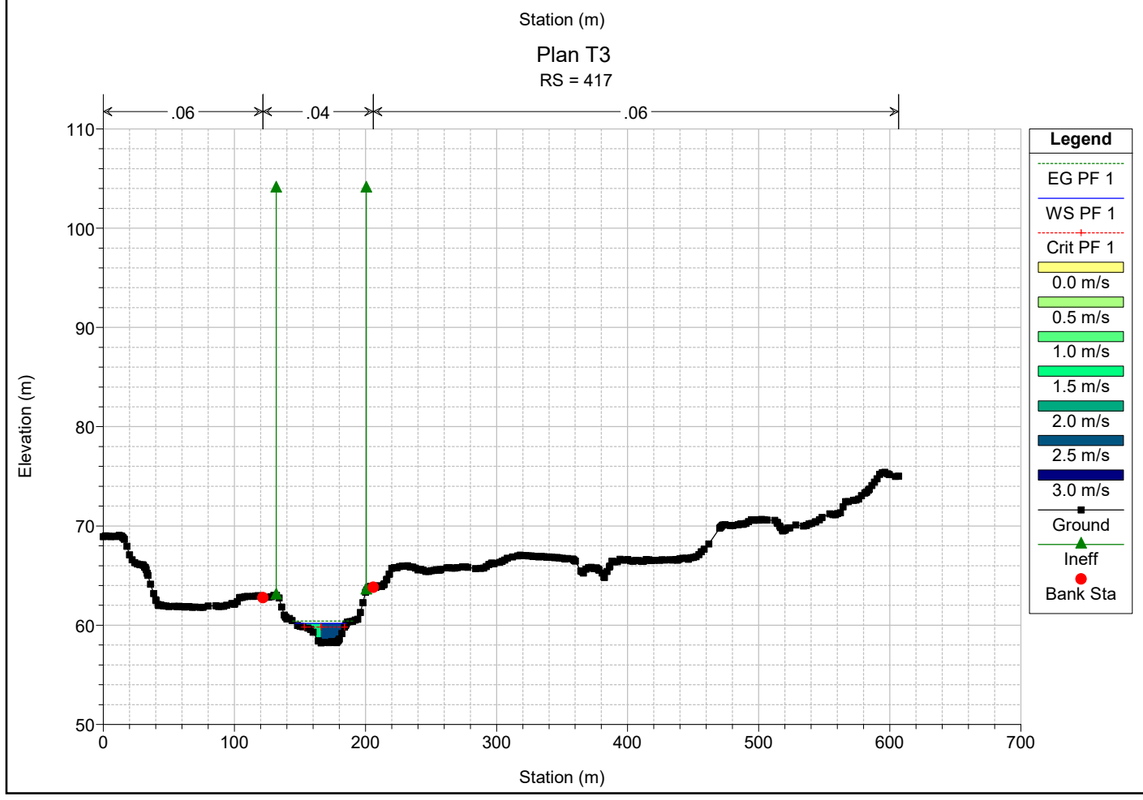

Plan T3
RS = 572
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

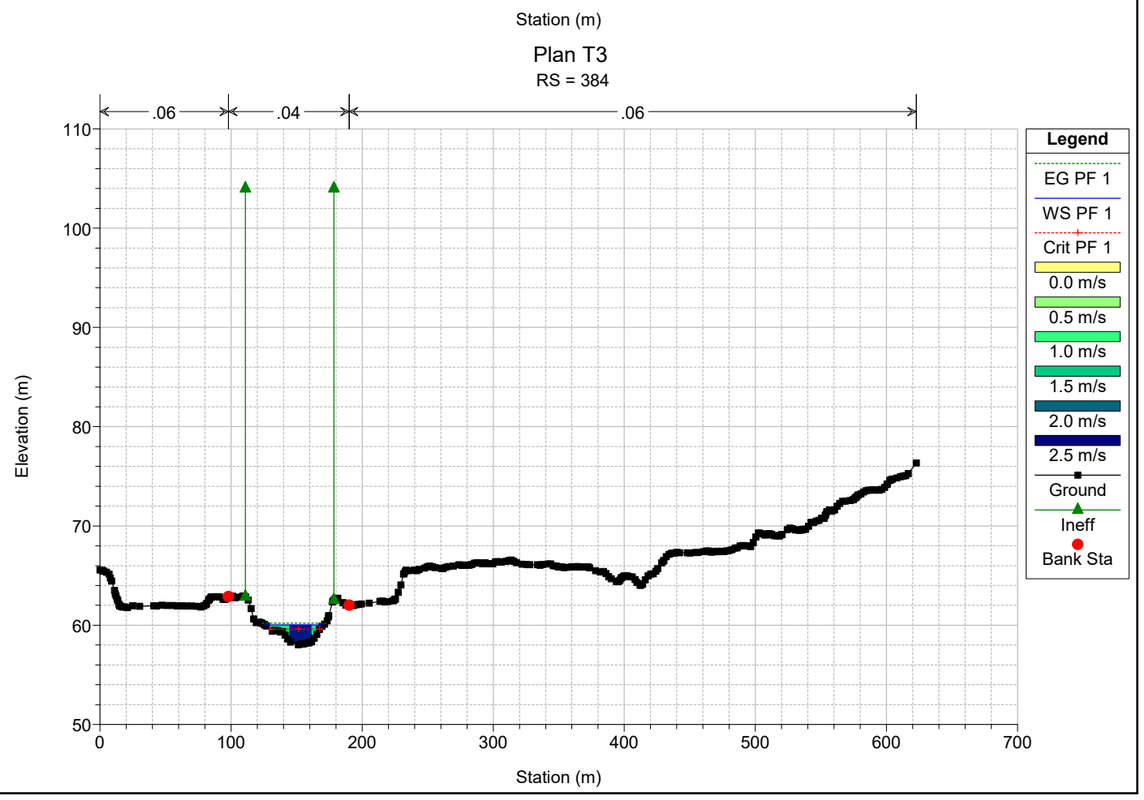

Plan T3
RS = 557
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

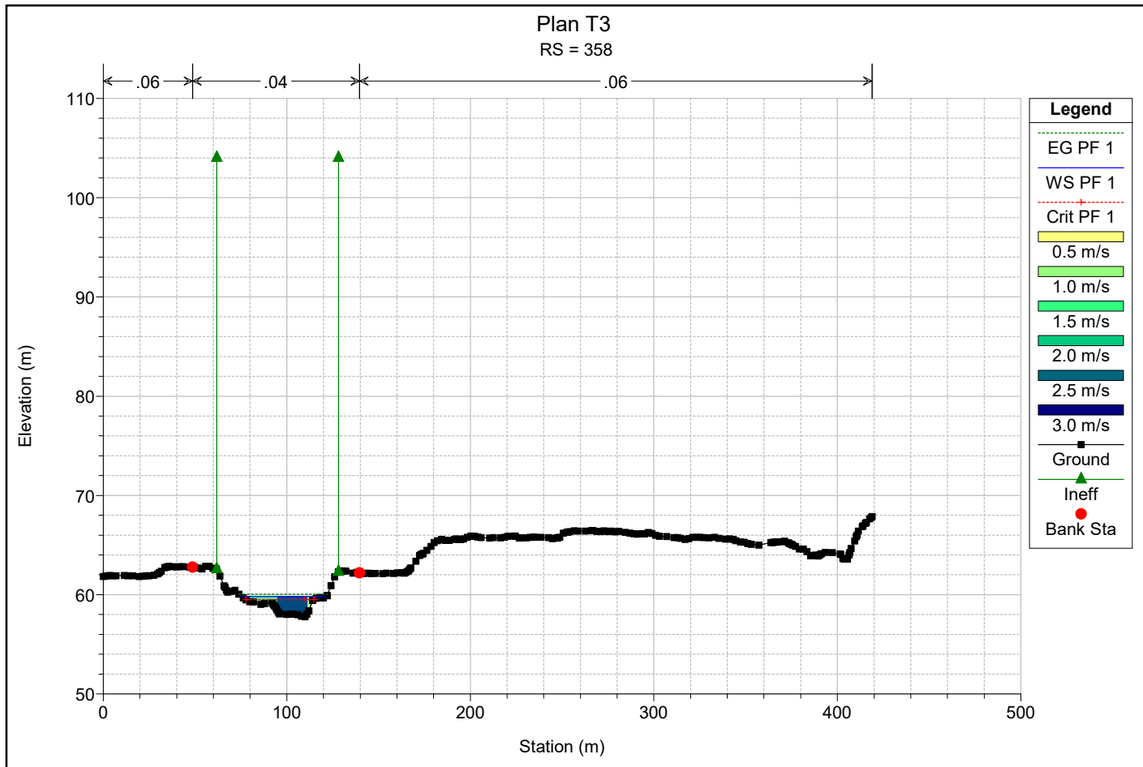

Plan T3
RS = 519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta

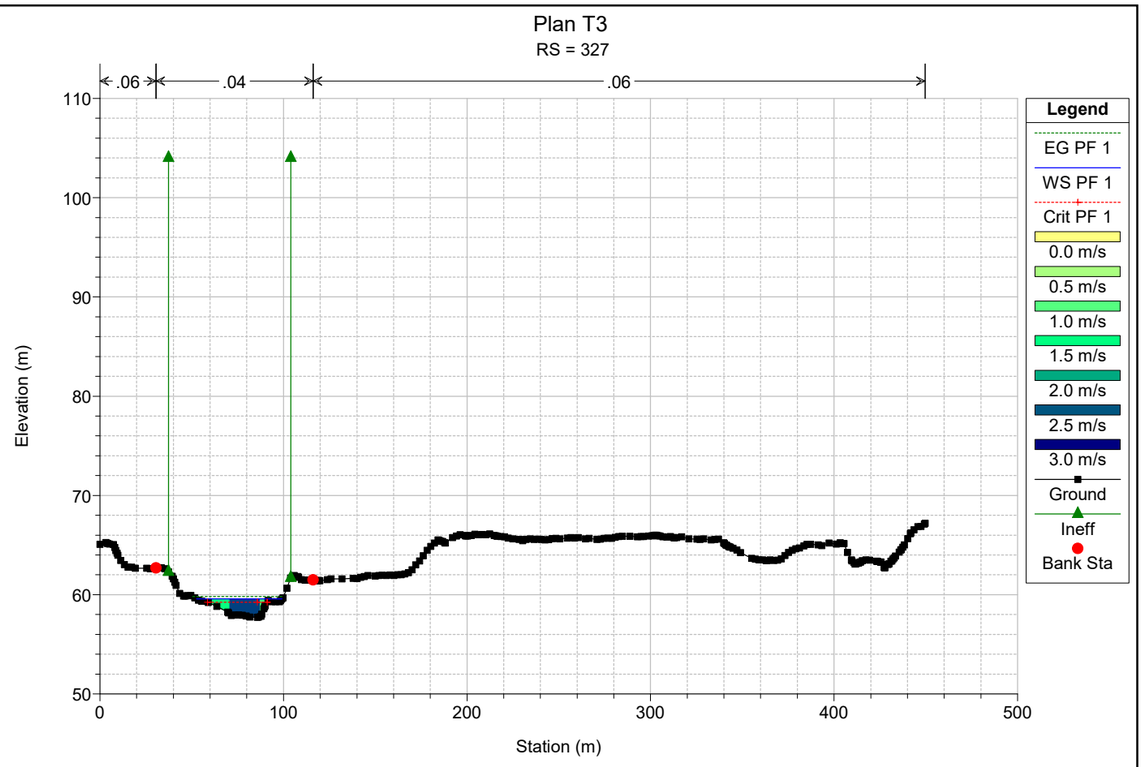

Plan T3
RS = 477
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

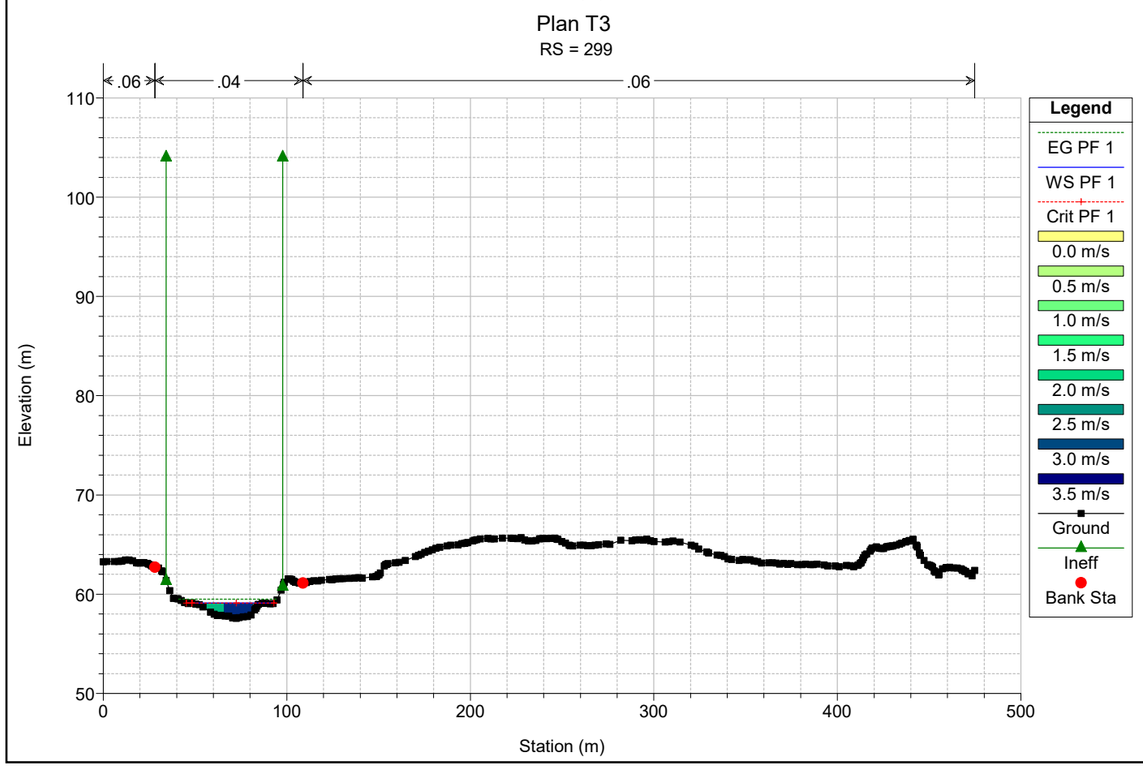

Plan T3
RS = 439
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

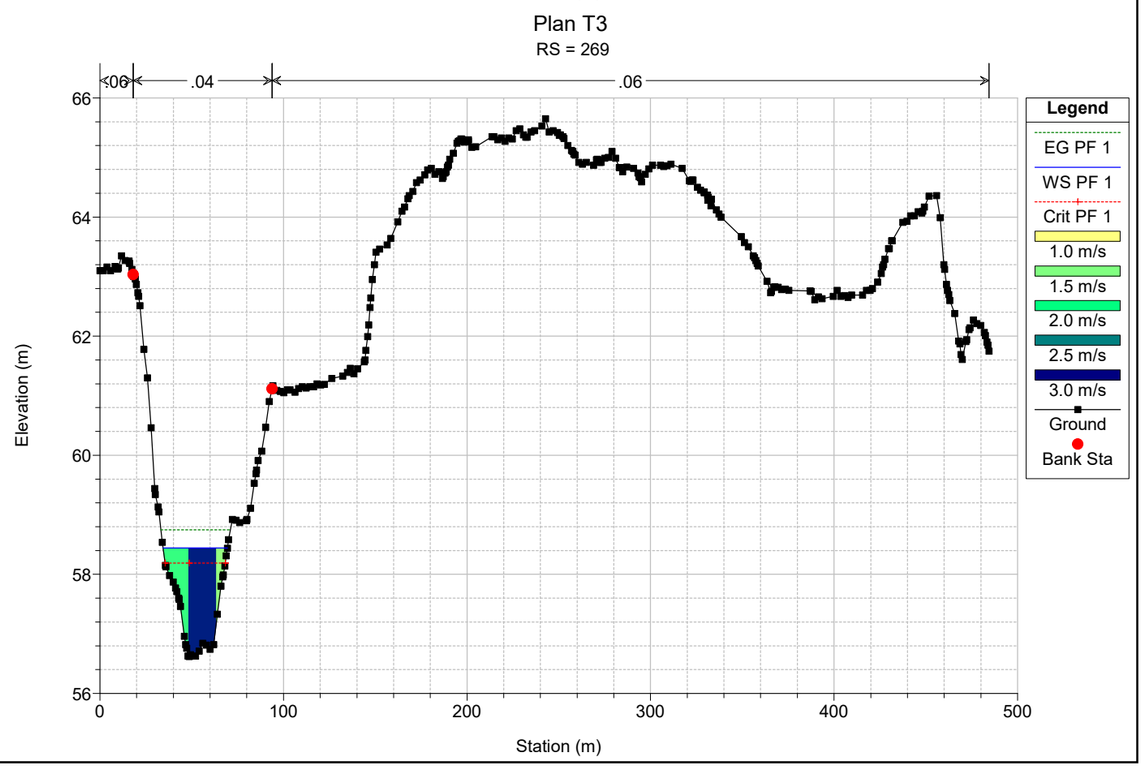

Plan T3
RS = 417
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

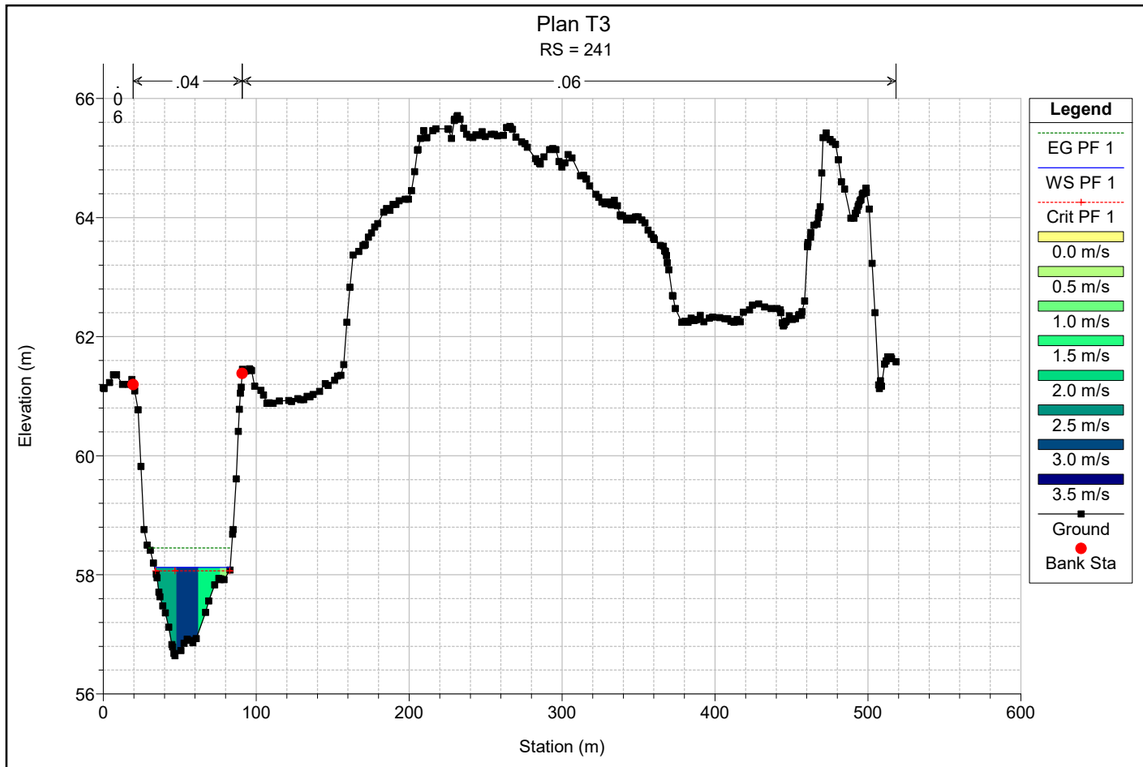

Plan T3
RS = 384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
Ground
Ineff
Bank Sta

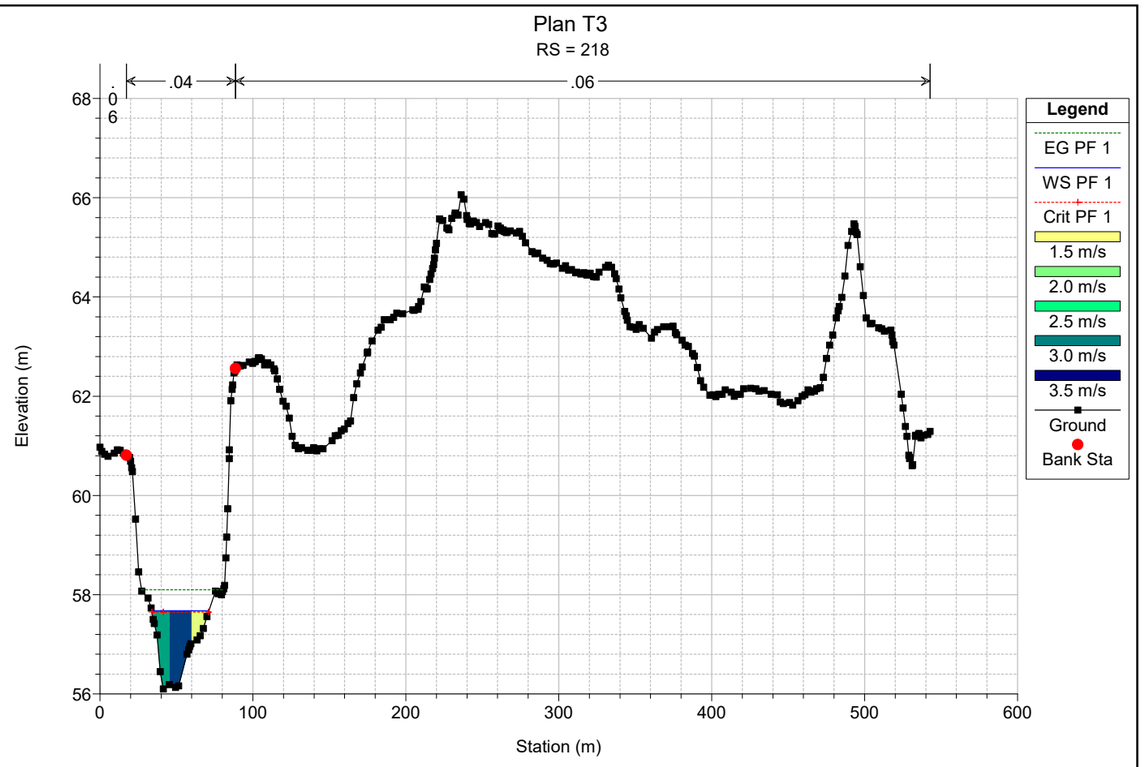

Plan T3
RS = 358
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 327
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 299
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta


Plan T3
RS = 269
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Bank Sta


Plan T3
RS = 241
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta


Plan T3
RS = 218
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
River 2	Reach 2	2411	PF 1	99.32	78.93	81.48	81.67	0.003458	1.95	51.06	32.88	0.50
River 2	Reach 2	2380	PF 1	99.32	78.64	81.31	81.53	0.007139	2.06	48.10	26.20	0.49
River 2	Reach 2	2352	PF 1	99.32	78.42	81.15	81.33	0.006021	1.91	52.01	27.93	0.45
River 2	Reach 2	2318	PF 1	99.32	78.40	80.81	81.07	0.009488	2.26	43.94	25.98	0.55
River 2	Reach 2	2274	PF 1	99.32	78.15	80.32	80.60	0.012060	2.36	42.14	27.97	0.61
River 2	Reach 2	2234	PF 1	99.32	77.53	80.02	80.22	0.006742	1.97	50.48	28.07	0.47
River 2	Reach 2	2201	PF 1	99.32	77.16	79.81	80.00	0.006563	1.94	51.20	28.70	0.46
River 2	Reach 2	2171	PF 1	99.32	77.10	79.59	79.79	0.007592	1.99	49.96	105.83	0.50
River 2	Reach 2	2141	PF 1	99.32	76.83	79.31	79.54	0.009332	2.14	46.48	40.36	0.55
River 2	Reach 2	2102	PF 1	99.32	76.64	78.99	79.20	0.007760	1.99	49.81	114.82	0.50
River 2	Reach 2	2063	PF 1	99.32	76.32	78.65	78.88	0.008330	2.09	47.48	133.90	0.52
River 2	Reach 2	2031	PF 1	99.32	76.04	78.40	78.62	0.008045	2.07	48.03	131.42	0.51
River 2	Reach 2	1986	PF 1	99.32	75.71	78.03	78.25	0.008124	2.11	47.16	145.69	0.51
River 2	Reach 2	1945	PF 1	99.32	75.40	77.75	77.94	0.006795	1.94	51.10	174.44	0.47
River 2	Reach 2	1912	PF 1	99.32	74.93	77.52	77.71	0.007110	1.93	51.38	155.39	0.48
River 2	Reach 2	1877	PF 1	99.32	74.49	77.28	77.47	0.006567	1.90	52.36	250.41	0.46
River 2	Reach 2	1840	PF 1	99.32	74.25	77.05	77.23	0.006158	1.86	53.34	298.72	0.45
River 2	Reach 2	1791	PF 1	99.32	74.06	76.66	76.88	0.008146	2.05	48.50	296.01	0.51
River 2	Reach 2	1752	PF 1	99.32	73.72	76.40	76.57	0.007254	1.78	55.84	268.02	0.47
River 2	Reach 2	1715	PF 1	99.32	73.72	76.07	76.26	0.009404	1.92	51.66	182.26	0.54
River 2	Reach 2	1668	PF 1	99.32	73.41	75.74	75.88	0.006474	1.65	60.34	190.64	0.45
River 2	Reach 2	1613	PF 1	99.32	73.10	75.30	75.48	0.007929	1.90	52.26	50.48	0.50
River 2	Reach 2	1574	PF 1	99.32	72.84	75.04	75.19	0.006373	1.71	58.03	124.10	0.45
River 2	Reach 2	1528	PF 1	99.32	72.06	74.56	74.80	0.010731	2.21	45.04	115.05	0.58
River 2	Reach 2	1499	PF 1	99.32	71.61	74.29	74.49	0.010232	2.00	49.62	117.01	0.56
River 2	Reach 2	1470	PF 1	99.32	71.40	74.04	74.21	0.008678	1.80	55.31	146.02	0.51
River 2	Reach 2	1436	PF 1	99.32	71.29	73.62	73.84	0.013763	2.04	48.63	161.56	0.63
River 2	Reach 2	1372	PF 1	99.32	70.89	73.13	73.25	0.005979	1.52	65.36	74.30	0.43
River 2	Reach 2	1325	PF 1	99.32	70.22	72.16	72.64	0.036165	3.08	32.20	32.99	1.00
River 2	Reach 2	1280	PF 1	99.32	68.17	70.18	70.49	0.017359	2.46	40.34	33.42	0.72
River 2	Reach 2	1250	PF 1	99.32	67.46	69.81	70.04	0.011578	2.12	46.84	35.53	0.59
River 2	Reach 2	1224	PF 1	99.32	67.22	69.54	69.75	0.010885	2.03	48.84	37.85	0.57
River 2	Reach 2	1193	PF 1	99.32	66.90	69.23	69.42	0.010007	1.94	51.12	39.82	0.55
River 2	Reach 2	1155	PF 1	99.32	66.68	68.77	69.00	0.012210	2.09	47.42	38.23	0.60
River 2	Reach 2	1120	PF 1	99.32	66.19	68.59	68.77	0.003702	1.87	53.18	38.45	0.51
River 2	Reach 2	1092	PF 1	99.32	66.10	68.40	68.60	0.009803	2.02	49.22	35.52	0.55
River 2	Reach 2	1058	PF 1	99.32	65.80	68.01	68.25	0.010591	2.20	45.12	30.24	0.58
River 2	Reach 2	1028	PF 1	99.32	65.39	67.61	67.89	0.013771	2.32	42.77	32.34	0.64
River 2	Reach 2	994	PF 1	99.32	64.87	66.99	67.32	0.019662	2.55	38.95	33.61	0.76
River 2	Reach 2	961	PF 1	99.32	64.38	66.49	66.76	0.013551	2.29	43.31	33.10	0.64
River 2	Reach 2	930	PF 1	99.32	63.71	66.27	66.44	0.006824	1.84	54.09	34.34	0.47
River 2	Reach 2	899	PF 1	99.32	63.40	66.03	66.21	0.007809	1.89	52.68	35.40	0.49
River 2	Reach 2	868	PF 1	99.32	63.13	65.69	65.92	0.010781	2.12	46.90	33.68	0.57
River 2	Reach 2	834	PF 1	99.32	62.86	65.40	65.59	0.008100	1.93	51.52	34.55	0.50
River 2	Reach 2	797	PF 1	99.32	62.52	64.88	65.19	0.014530	2.44	40.67	29.44	0.66
River 2	Reach 2	763	PF 1	99.32	62.11	64.60	64.80	0.007638	2.01	49.39	29.32	0.49
River 2	Reach 2	736	PF 1	99.32	61.86	64.44	64.61	0.005674	1.82	54.52	30.25	0.43

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 2	Reach 2	704	PF 1	99.32	61.88	64.18	64.39	0.008369	2.02	49.19	31.30	0.51
River 2	Reach 2	673	PF 1	99.32	61.36	63.94	64.14	0.007797	1.97	50.30	31.29	0.50
River 2	Reach 2	644	PF 1	99.32	61.00	63.74	63.93	0.006736	1.95	51.04	29.19	0.47
River 2	Reach 2	618	PF 1	99.32	60.46	63.53	63.74	0.008192	2.01	49.34	31.08	0.51
River 2	Reach 2	602	PF 1	99.32	61.28	62.90	63.46	0.034882	3.34	29.77	26.28	1.00
River 2	Reach 2	585	PF 1	99.32	60.04	62.48	62.90	0.017995	2.87	34.65	23.12	0.75
River 2	Reach 2	572	PF 1	99.32	59.98	62.33	62.68	0.014000	2.62	37.97	23.79	0.66
River 2	Reach 2	557	PF 1	99.32	59.88	62.00	62.42	0.019188	2.87	34.56	24.13	0.77
River 2	Reach 2	519	PF 1	99.32	59.17	61.58	61.85	0.010572	2.31	42.98	26.39	0.58
River 2	Reach 2	477	PF 1	99.32	58.67	61.02	61.33	0.014267	2.48	40.04	27.94	0.66
River 2	Reach 2	439	PF 1	99.32	58.09	60.67	60.86	0.009373	1.93	51.52	38.99	0.54
River 2	Reach 2	417	PF 1	99.32	58.22	60.52	60.66	0.007652	1.66	59.69	48.51	0.48
River 2	Reach 2	384	PF 1	99.32	58.03	60.29	60.42	0.006719	1.55	64.14	52.81	0.45
River 2	Reach 2	358	PF 1	99.32	57.77	60.08	60.22	0.008088	1.69	58.87	48.65	0.49
River 2	Reach 2	327	PF 1	99.32	57.72	59.81	59.96	0.008717	1.72	57.90	49.52	0.51
River 2	Reach 2	299	PF 1	99.32	57.56	59.11	59.50	0.038900	2.74	36.22	47.30	1.00
River 2	Reach 2	269	PF 1	99.32	56.62	58.69	58.89	0.010142	2.01	49.42	37.33	0.56
River 2	Reach 2	241	PF 1	99.32	56.64	58.36	58.55	0.014019	1.94	51.28	52.53	0.63
River 2	Reach 2	218	PF 1	99.32	56.10	57.97	58.20	0.015843	2.15	46.10	44.01	0.67
River 1	Reach 1	6642	PF 1	36.45	92.94	94.25	94.48	0.017847	2.16	16.86	32.15	0.95
River 1	Reach 1	6604	PF 1	36.45	92.82	93.89	94.01	0.007855	1.53	23.82	41.31	0.64
River 1	Reach 1	6570	PF 1	36.45	92.55	93.63	93.73	0.008779	1.41	25.80	54.82	0.66
River 1	Reach 1	6540	PF 1	36.45	92.34	93.48	93.54	0.004259	1.12	33.02	58.98	0.47
River 1	Reach 1	6505	PF 1	36.45	91.84	93.32	93.39	0.004153	1.20	30.45	46.99	0.47
River 1	Reach 1	6476	PF 1	36.45	91.73	93.24	93.30	0.002161	1.12	32.68	33.97	0.36
River 1	Reach 1	6443	PF 1	36.45	91.60	93.15	93.21	0.003567	1.14	31.87	47.37	0.45
River 1	Reach 1	6394	PF 1	36.45	91.34	92.78	92.94	0.009441	1.78	20.44	32.28	0.72
River 1	Reach 1	6364	PF 1	36.45	91.04	92.60	92.69	0.006004	1.38	26.45	43.86	0.57
River 1	Reach 1	6330	PF 1	36.45	90.87	92.10	92.36	0.016532	2.26	16.09	26.91	0.94
River 1	Reach 1	6292	PF 1	36.45	90.32	91.81	91.97	0.006343	1.76	20.76	24.80	0.61
River 1	Reach 1	6243	PF 1	36.45	90.11	91.54	91.65	0.005903	1.46	24.92	37.30	0.57
River 1	Reach 1	6193	PF 1	36.45	89.71	91.35	91.43	0.003203	1.26	28.94	34.20	0.44
River 1	Reach 1	6142	PF 1	36.45	89.31	90.96	91.18	0.007657	2.06	17.71	19.01	0.68
River 1	Reach 1	6109	PF 1	36.45	89.27	90.77	90.94	0.005996	1.82	20.08	21.70	0.60
River 1	Reach 1	6084	PF 1	36.45	89.22	90.72	90.80	0.003494	1.28	28.52	35.19	0.45
River 1	Reach 1	6057	PF 1	36.45	88.97	90.64	90.72	0.002562	1.29	28.26	27.06	0.40
River 1	Reach 1	6009	PF 1	36.45	88.87	90.08	90.44	0.017923	2.64	13.83	19.51	1.00
River 1	Reach 1	5977	PF 1	36.45	88.49	89.73	89.88	0.009739	1.71	21.27	36.47	0.72
River 1	Reach 1	5940	PF 1	36.45	88.25	89.45	89.57	0.006843	1.59	22.92	33.85	0.62
River 1	Reach 1	5904	PF 1	36.45	87.88	89.23	89.34	0.005727	1.51	24.21	33.92	0.57
River 1	Reach 1	5869	PF 1	36.45	87.88	89.13	89.19	0.002912	1.11	32.96	44.27	0.41
River 1	Reach 1	5834	PF 1	36.45	87.49	88.71	88.96	0.019850	2.19	16.61	33.58	1.00
River 1	Reach 1	5800	PF 1	36.45	87.21	88.64	88.70	0.002726	1.08	33.70	44.55	0.40
River 1	Reach 1	5763	PF 1	36.45	86.99	88.43	88.54	0.006436	1.47	24.86	39.59	0.59
River 1	Reach 1	5724	PF 1	36.45	86.83	88.19	88.30	0.006315	1.48	24.60	37.84	0.59
River 1	Reach 1	5692	PF 1	36.45	86.49	87.99	88.10	0.005808	1.47	24.84	36.50	0.57
River 1	Reach 1	5654	PF 1	36.45	86.45	87.64	87.81	0.010176	1.84	19.81	31.61	0.74
River 1	Reach 1	5618	PF 1	36.45	86.05	87.45	87.56	0.004396	1.50	24.35	27.91	0.51

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	5581	PF 1	36.45	85.82	87.23	87.36	0.006310	1.62	22.44	29.93	0.60
River 1	Reach 1	5546	PF 1	36.45	85.63	87.07	87.17	0.004649	1.40	26.12	34.84	0.51
River 1	Reach 1	5519	PF 1	36.45	85.36	86.95	87.04	0.004171	1.33	27.50	36.65	0.49
River 1	Reach 1	5484	PF 1	36.45	85.28	86.65	86.81	0.011770	1.74	20.94	40.20	0.77
River 1	Reach 1	5449	PF 1	36.45	85.05	86.04	86.28	0.020342	2.15	16.97	35.91	1.00
River 1	Reach 1	5415	PF 1	36.45	83.54	84.38	85.09	0.065141	3.74	9.76	21.49	1.77
River 1	Reach 1	5384	PF 1	36.45	83.14	84.52	84.69	0.010003	1.80	20.21	32.25	0.73
River 1	Reach 1	5351	PF 1	36.45	82.86	84.29	84.41	0.006539	1.57	23.20	33.16	0.60
River 1	Reach 1	5317	PF 1	36.45	82.45	84.04	84.18	0.007066	1.67	21.79	30.01	0.63
River 1	Reach 1	5289	PF 1	36.45	82.35	83.89	84.01	0.004486	1.54	23.71	26.65	0.52
River 1	Reach 1	5261	PF 1	36.45	82.15	83.74	83.88	0.004731	1.66	21.99	22.87	0.54
River 1	Reach 1	5231	PF 1	36.45	82.12	83.37	83.66	0.010596	2.40	15.21	16.44	0.80
River 1	Reach 1	5201	PF 1	36.45	81.72	83.12	83.32	0.010230	2.00	18.19	25.50	0.76
River 1	Reach 1	5172	PF 1	36.45	81.72	82.86	83.02	0.009366	1.78	20.44	32.08	0.71
River 1	Reach 1	5136	PF 1	36.45	81.19	82.53	82.72	0.007307	1.92	18.96	21.75	0.66
River 1	Reach 1	5071	PF 1	36.45	80.73	82.05	82.23	0.007729	1.84	19.83	25.69	0.67
River 1	Reach 1	5025	PF 1	36.45	80.36	81.71	81.87	0.007456	1.80	20.23	26.30	0.66
River 1	Reach 1	4994	PF 1	36.45	80.03	81.52	81.67	0.005559	1.70	21.48	24.47	0.58
River 1	Reach 1	4962	PF 1	36.45	79.55	81.47	81.54	0.002114	1.12	32.47	33.38	0.36
River 1	Reach 1	4940	PF 1	36.45	79.84	81.10	81.41	0.018975	2.46	14.80	24.33	1.01
River 1	Reach 1	4923	PF 1	36.45	79.61	80.85	81.10	0.013830	2.19	16.61	25.56	0.87
River 1	Reach 1	4902	PF 1	36.45	79.34	80.57	80.77	0.015541	1.98	18.41	36.13	0.89
River 1	Reach 1	4881	PF 1	36.45	79.33	80.49	80.60	0.003956	1.44	25.30	28.50	0.49
River 1	Reach 1	4864	PF 1	36.45	78.99	80.38	80.52	0.005158	1.63	22.38	25.46	0.55
River 1	Reach 1	4827	PF 1	36.45	78.72	80.20	80.29	0.006737	1.33	27.36	52.10	0.59
River 1	Reach 1	4784	PF 1	36.45	78.36	80.02	80.09	0.003342	1.11	32.69	47.63	0.43
River 1	Reach 1	4748	PF 1	36.45	78.43	79.60	79.82	0.020765	2.07	17.60	40.00	1.00
River 1	Reach 1	4719	PF 1	36.45	77.68	79.35	79.42	0.003388	1.22	29.91	38.69	0.44
River 1	Reach 1	4691	PF 1	36.45	77.73	79.23	79.31	0.004398	1.32	27.67	38.86	0.50
River 1	Reach 1	4657	PF 1	36.45	77.79	78.92	79.07	0.012251	1.76	20.69	40.53	0.79
River 1	Reach 1	4621	PF 1	36.45	77.47	78.65	78.75	0.006337	1.36	26.75	46.83	0.58
River 1	Reach 1	4585	PF 1	36.45	77.22	78.27	78.43	0.013326	1.77	20.62	42.84	0.81
River 1	Reach 1	4547	PF 1	36.45	76.95	78.05	78.13	0.004632	1.25	29.25	46.45	0.50
River 1	Reach 1	4511	PF 1	36.45	76.71	77.88	77.96	0.004564	1.22	29.79	47.81	0.49
River 1	Reach 1	4478	PF 1	36.45	76.68	77.64	77.76	0.008052	1.48	24.70	53.33	0.64
River 1	Reach 1	4446	PF 1	36.45	76.48	77.46	77.53	0.005821	1.19	30.73	62.35	0.54
River 1	Reach 1	4413	PF 1	36.45	76.22	77.15	77.26	0.011568	1.49	24.40	58.59	0.74
River 1	Reach 1	4388	PF 1	36.45	75.87	76.96	77.04	0.006410	1.20	30.29	64.56	0.56
River 1	Reach 1	4356	PF 1	36.45	75.75	76.73	76.81	0.007478	1.25	29.06	65.19	0.60
River 1	Reach 1	4324	PF 1	36.45	75.55	76.33	76.47	0.015792	1.66	21.96	56.86	0.85
River 1	Reach 1	4292	PF 1	36.45	75.14	76.09	76.16	0.005857	1.16	31.35	70.68	0.54
River 1	Reach 1	4263	PF 1	36.45	74.92	75.94	76.01	0.004316	1.11	32.95	59.29	0.47
River 1	Reach 1	4231	PF 1	36.45	74.54	75.78	75.84	0.006235	1.13	32.34	74.55	0.55
River 1	Reach 1	4196	PF 1	36.45	74.47	75.31	75.46	0.022888	1.66	21.98	88.93	0.98
River 1	Reach 1	4166	PF 1	36.45	73.30	74.58	74.80	0.020802	2.09	17.44	39.23	1.00
River 1	Reach 1	4122	PF 1	36.45	71.23	71.82	72.73	0.163821	4.23	8.62	31.81	2.59
River 1	Reach 1	4084	PF 1	36.45	70.59	71.92	72.00	0.003411	1.27	28.80	35.55	0.45
River 1	Reach 1	4014	PF 1	36.45	70.16	71.65	71.74	0.004186	1.35	27.01	35.16	0.49

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	3961	PF 1	36.45	69.94	71.08	71.30	0.020719	2.10	17.39	38.98	1.00
River 1	Reach 1	3936	PF 1	36.45	69.64	71.03	71.09	0.002843	1.06	34.40	48.37	0.40
River 1	Reach 1	3908	PF 1	36.45	69.36	70.85	70.95	0.008924	1.44	25.35	53.06	0.66
River 1	Reach 1	3881	PF 1	36.45	69.40	70.54	70.66	0.013398	1.55	23.50	59.68	0.79
River 1	Reach 1	3864	PF 1	36.45	69.26	70.42	70.50	0.006704	1.25	29.08	60.43	0.58
River 1	Reach 1	3847	PF 1	36.45	69.05	70.31	70.38	0.006158	1.23	29.65	59.51	0.56
River 1	Reach 1	3817	PF 1	36.45	69.02	70.07	70.18	0.007829	1.43	25.55	49.10	0.63
River 1	Reach 1	3786	PF 1	36.45	68.79	69.84	69.94	0.007399	1.40	26.04	49.47	0.62
River 1	Reach 1	3750	PF 1	36.45	68.42	69.61	69.69	0.006100	1.20	30.25	62.15	0.55
River 1	Reach 1	3717	PF 1	36.45	68.16	69.15	69.33	0.020937	1.90	19.20	50.35	0.98
River 1	Reach 1	3678	PF 1	36.45	67.90	68.91	68.99	0.004194	1.22	29.87	45.43	0.48
River 1	Reach 1	3644	PF 1	36.45	67.44	68.75	68.83	0.005478	1.25	29.19	52.46	0.53
River 1	Reach 1	3612	PF 1	36.45	67.32	68.43	68.58	0.010571	1.70	21.50	39.84	0.74
River 1	Reach 1	3576	PF 1	36.45	67.05	68.16	68.26	0.007086	1.35	26.91	51.92	0.60
River 1	Reach 1	3538	PF 1	36.45	66.85	67.91	68.00	0.006440	1.32	27.62	51.57	0.58
River 1	Reach 1	3508	PF 1	36.45	66.60	67.81	67.85	0.003262	0.94	38.59	71.59	0.41
River 1	Reach 1	3475	PF 1	36.45	66.62	67.43	67.61	0.022467	1.92	18.98	51.61	1.01
River 1	Reach 1	3432	PF 1	36.45	64.79	66.10	66.14	0.001896	0.94	38.63	47.62	0.33
River 1	Reach 1	3393	PF 1	36.45	64.53	65.93	66.01	0.006959	1.28	28.38	58.46	0.59
River 1	Reach 1	3351	PF 1	36.45	64.09	65.51	65.62	0.013034	1.49	24.49	64.74	0.77
River 1	Reach 1	3303	PF 1	36.45	63.77	65.17	65.24	0.005051	1.13	32.27	63.30	0.51
River 1	Reach 1	3262	PF 1	36.45	63.73	65.07	65.11	0.001992	0.86	42.20	61.77	0.33
River 1	Reach 1	3226	PF 1	36.45	63.71	64.81	64.95	0.011540	1.65	22.07	45.57	0.76
River 1	Reach 1	3193	PF 1	36.45	63.58	64.66	64.73	0.003891	1.16	31.54	49.24	0.46
River 1	Reach 1	3163	PF 1	36.45	63.10	64.49	64.57	0.007156	1.29	28.30	59.18	0.59
River 1	Reach 1	3125	PF 1	36.45	62.77	63.98	64.14	0.018897	1.77	20.55	55.22	0.93
River 1	Reach 1	3090	PF 1	36.45	62.49	63.77	63.83	0.004442	1.11	32.74	59.60	0.48
River 1	Reach 1	3052	PF 1	36.45	62.33	63.39	63.54	0.015361	1.72	21.25	51.28	0.85
River 1	Reach 1	3018	PF 1	36.45	61.98	63.05	63.16	0.007712	1.47	24.72	44.77	0.63
River 1	Reach 1	2981	PF 1	36.45	61.71	62.63	62.78	0.014285	1.72	21.24	48.62	0.83
River 1	Reach 1	2945	PF 1	36.45	61.21	62.27	62.39	0.008203	1.50	24.31	44.96	0.65
River 1	Reach 1	2916	PF 1	36.45	60.93	61.98	62.11	0.011093	1.63	22.42	46.00	0.74
River 1	Reach 1	2879	PF 1	36.45	60.40	61.76	61.86	0.004345	1.35	27.04	36.37	0.50
River 1	Reach 1	2831	PF 1	36.45	60.03	61.47	61.56	0.008927	1.38	26.47	59.22	0.66
River 1	Reach 1	2795	PF 1	36.45	59.75	61.23	61.30	0.005748	1.15	31.61	66.35	0.53
River 1	Reach 1	2764	PF 1	36.45	59.61	60.98	61.07	0.009295	1.31	27.90	69.59	0.66
River 1	Reach 1	2722	PF 1	36.45	59.52	60.58	60.67	0.009903	1.34	27.13	68.18	0.68
River 1	Reach 1	2685	PF 1	36.45	59.13	60.24	60.33	0.008592	1.26	28.95	72.10	0.63
River 1	Reach 1	2658	PF 1	36.45	58.62	59.98	60.07	0.010176	1.37	26.52	65.53	0.69
River 1	Reach 1	2626	PF 1	36.45	58.48	59.74	59.81	0.006566	1.17	31.08	70.10	0.56
River 1	Reach 1	2600	PF 1	36.45	58.25	59.58	59.65	0.005747	1.16	31.38	65.08	0.53
River 1	Reach 1	2556	PF 1	36.45	57.92	59.31	59.37	0.006641	1.09	33.37	84.69	0.56
River 1	Reach 1	2535	PF 1	36.45	57.89	59.11	59.19	0.010850	1.31	27.92	78.48	0.70
River 1	Reach 1	2509	PF 1	36.45	57.72	58.88	58.95	0.008266	1.16	31.45	86.25	0.61
River 1	Reach 1	2480	PF 1	36.45	57.41	58.68	58.74	0.006436	1.04	35.17	94.47	0.54
River 1	Reach 1	2448	PF 1	36.45	57.31	58.20	58.38	0.022455	1.86	19.61	55.89	1.00
River 1	Reach 1-Lower	2178	PF 1	127.38	53.82	55.68	55.77	0.007752	1.34	95.22	109.00	0.46
River 1	Reach 1-Lower	2151	PF 1	127.38	53.55	55.43	55.54	0.009622	1.43	89.00	108.40	0.50

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1-Lower	2120	PF 1	127.38	53.16	55.14	55.25	0.009473	1.45	88.14	104.35	0.50
River 1	Reach 1-Lower	2085	PF 1	127.38	52.75	54.86	54.95	0.007411	1.30	97.80	112.50	0.45
River 1	Reach 1-Lower	2055	PF 1	127.38	52.46	54.63	54.72	0.007964	1.31	97.39	117.22	0.46
River 1	Reach 1-Lower	2025	PF 1	127.38	52.25	54.39	54.47	0.008385	1.31	97.44	139.05	0.47
River 1	Reach 1-Lower	1995	PF 1	127.38	52.23	54.14	54.23	0.008074	1.30	98.14	158.59	0.46
River 1	Reach 1-Lower	1964	PF 1	127.38	52.08	53.91	53.99	0.007238	1.26	101.37	166.66	0.44
River 1	Reach 1-Lower	1930	PF 1	127.38	51.87	53.63	53.72	0.008655	1.36	93.65	167.03	0.48
River 1	Reach 1-Lower	1894	PF 1	127.38	51.53	53.31	53.40	0.008724	1.33	96.08	162.18	0.48
River 1	Reach 1-Lower	1863	PF 1	127.38	51.39	53.08	53.16	0.007278	1.25	101.61	168.74	0.44
River 1	Reach 1-Lower	1832	PF 1	127.38	51.46	52.86	52.94	0.006743	1.22	104.14	136.70	0.42
River 1	Reach 1-Lower	1804	PF 1	127.38	51.33	52.27	52.52	0.044206	2.25	56.56	183.73	1.00
River 1	Reach 1-Lower	1765	PF 1	127.38	49.51	51.59	51.67	0.005917	1.30	97.65	177.97	0.41
River 1	Reach 1-Lower	1729	PF 1	127.38	49.21	51.39	51.46	0.005385	1.19	107.47	112.37	0.39
River 1	Reach 1-Lower	1692	PF 1	127.38	48.94	51.20	51.27	0.005145	1.15	111.04	117.60	0.38
River 1	Reach 1-Lower	1654	PF 1	127.38	48.60	50.98	51.05	0.006053	1.18	107.74	122.93	0.40
River 1	Reach 1-Lower	1616	PF 1	127.38	48.36	50.68	50.78	0.008973	1.34	95.22	121.41	0.48
River 1	Reach 1-Lower	1584	PF 1	127.38	48.49	50.37	50.48	0.009668	1.43	89.02	108.44	0.50
River 1	Reach 1-Lower	1547	PF 1	127.38	48.34	50.05	50.14	0.008522	1.39	91.61	106.09	0.48
River 1	Reach 1-Lower	1513	PF 1	127.38	47.97	49.80	49.89	0.006765	1.32	96.75	102.21	0.43
River 1	Reach 1-Lower	1471	PF 1	127.38	47.52	49.51	49.59	0.007072	1.23	103.49	125.31	0.43
River 1	Reach 1-Lower	1447	PF 1	127.38	47.50	49.36	49.44	0.005950	1.19	106.72	136.10	0.40
River 1	Reach 1-Lower	1407	PF 1	127.38	47.08	49.11	49.19	0.006372	1.26	101.14	138.29	0.42
River 1	Reach 1-Lower	1371	PF 1	127.38	46.98	48.85	48.93	0.008091	1.29	98.43	152.48	0.46
River 1	Reach 1-Lower	1334	PF 1	127.38	46.92	48.58	48.66	0.006648	1.22	104.46	150.67	0.42
River 1	Reach 1-Lower	1290	PF 1	127.38	46.72	48.31	48.38	0.006020	1.18	107.56	152.88	0.40
River 1	Reach 1-Lower	1255	PF 1	127.38	46.37	48.10	48.17	0.005720	1.17	109.02	159.34	0.39
River 1	Reach 1-Lower	1224	PF 1	127.38	46.39	47.88	47.97	0.007922	1.29	98.87	154.09	0.46
River 1	Reach 1-Lower	1196	PF 1	127.38	46.20	47.61	47.71	0.010149	1.43	89.26	152.12	0.51
River 1	Reach 1-Lower	1158	PF 1	127.38	45.80	47.00	47.17	0.021166	1.81	70.27	139.22	0.72
River 1	Reach 1-Lower	1116	PF 1	127.38	44.68	46.60	46.67	0.006862	1.24	102.71	152.09	0.43
River 1	Reach 1-Lower	1080	PF 1	127.38	44.39	46.37	46.44	0.005898	1.20	106.50	156.98	0.40
River 1	Reach 1-Lower	1039	PF 1	127.38	44.43	46.02	46.13	0.010718	1.42	89.75	149.86	0.52
River 1	Reach 1-Lower	986	PF 1	127.38	44.08	45.55	45.64	0.007856	1.30	97.95	147.37	0.46
River 1	Reach 1-Lower	953	PF 1	127.38	44.00	45.27	45.36	0.008874	1.34	95.31	151.10	0.48
River 1	Reach 1-Lower	912	PF 1	127.38	43.55	44.94	45.03	0.007748	1.28	99.22	150.41	0.45
River 1	Reach 1-Lower	879	PF 1	127.38	43.15	44.70	44.78	0.006966	1.24	102.67	151.48	0.43
River 1	Reach 1-Lower	827	PF 1	127.38	42.72	44.37	44.44	0.006045	1.19	106.92	153.29	0.40
River 1	Reach 1-Lower	782	PF 1	127.38	42.43	44.09	44.16	0.006181	1.20	105.98	150.52	0.41
River 1	Reach 1-Lower	745	PF 1	127.38	42.16	43.87	43.95	0.005828	1.18	107.52	148.74	0.40
River 1	Reach 1-Lower	713	PF 1	127.38	42.01	43.69	43.76	0.005546	1.17	108.97	150.04	0.39
River 1	Reach 1-Lower	673	PF 1	127.38	41.65	43.43	43.51	0.006810	1.25	101.69	148.62	0.43
River 1	Reach 1-Lower	636	PF 1	127.38	41.30	43.20	43.27	0.005875	1.21	105.30	140.63	0.40
River 1	Reach 1-Lower	602	PF 1	127.38	41.14	42.99	43.07	0.006073	1.23	103.78	158.83	0.41
River 1	Reach 1-Lower	570	PF 1	127.38	41.04	42.82	42.89	0.005039	1.17	109.02	139.71	0.38
River 1	Reach 1-Lower	539	PF 1	127.38	40.88	42.67	42.74	0.005024	1.17	108.64	139.75	0.38
River 1	Reach 1-Lower	511	PF 1	127.38	40.67	42.54	42.60	0.004467	1.14	111.96	138.25	0.36
River 1	Reach 1-Lower	481	PF 1	127.38	40.42	42.37	42.45	0.005755	1.25	102.25	147.39	0.40
River 1	Reach 1-Lower	433	PF 1	127.38	40.43	42.02	42.12	0.008162	1.43	89.39	126.05	0.47

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1-Lower	382	PF 1	127.38	39.67	41.63	41.73	0.007145	1.36	93.94	151.83	0.44
River 1	Reach 1-Lower	345	PF 1	127.38	39.57	41.37	41.46	0.007263	1.33	95.74	163.72	0.45
River 1	Reach 1-Lower	306	PF 1	127.38	39.25	41.10	41.20	0.006466	1.35	94.23	174.83	0.43
River 1	Reach 1-Lower	269	PF 1	127.38	38.80	40.85	40.95	0.007045	1.40	90.93	148.96	0.44
River 1	Reach 1-Lower	240	PF 1	127.38	38.55	40.68	40.77	0.005402	1.30	97.82	132.34	0.40
River 1	Reach 1-Lower	210	PF 1	127.38	38.25	40.53	40.61	0.004733	1.26	101.38	129.54	0.37
River 1	Reach 1-Lower	187	PF 1	127.38	38.18	40.40	40.49	0.005409	1.31	97.28	128.27	0.40
River 1	Reach 1-Lower	144	PF 1	127.38	37.79	40.20	40.28	0.004536	1.25	102.72	129.28	0.37
River 1	Reach 1-Lower	119	PF 1	127.38	37.58	39.98	40.11	0.010237	1.59	80.24	127.32	0.53
River 1	Reach 1-Lower	88	PF 1	127.38	37.23	39.78	39.87	0.005772	1.34	95.47	126.08	0.41
River 1	Reach 1-Lower	47	PF 1	127.38	37.00	39.51	39.61	0.007008	1.41	90.59	121.08	0.45

SECCIONS TRANSVERSALS SIMULACIÓ T = 500 ANYS

Plan Q500

River 1 Reach 1-Lower

River 1 Reach 1

Legend

EG PF 1

WS PF 1

Crit PF 1

Ground

Elevation (m)

100

90

80

70

60

50

40

30

0

1000

2000

3000

4000

5000

6000

7000

Main Channel Distance (m)

Plan Q500

River 2 Reach 2

Legend

Crit PF 1

EG PF 1

WS PF 1

Ground

Elevation (m)

90

85

80

75

70

65

60

55

0

500

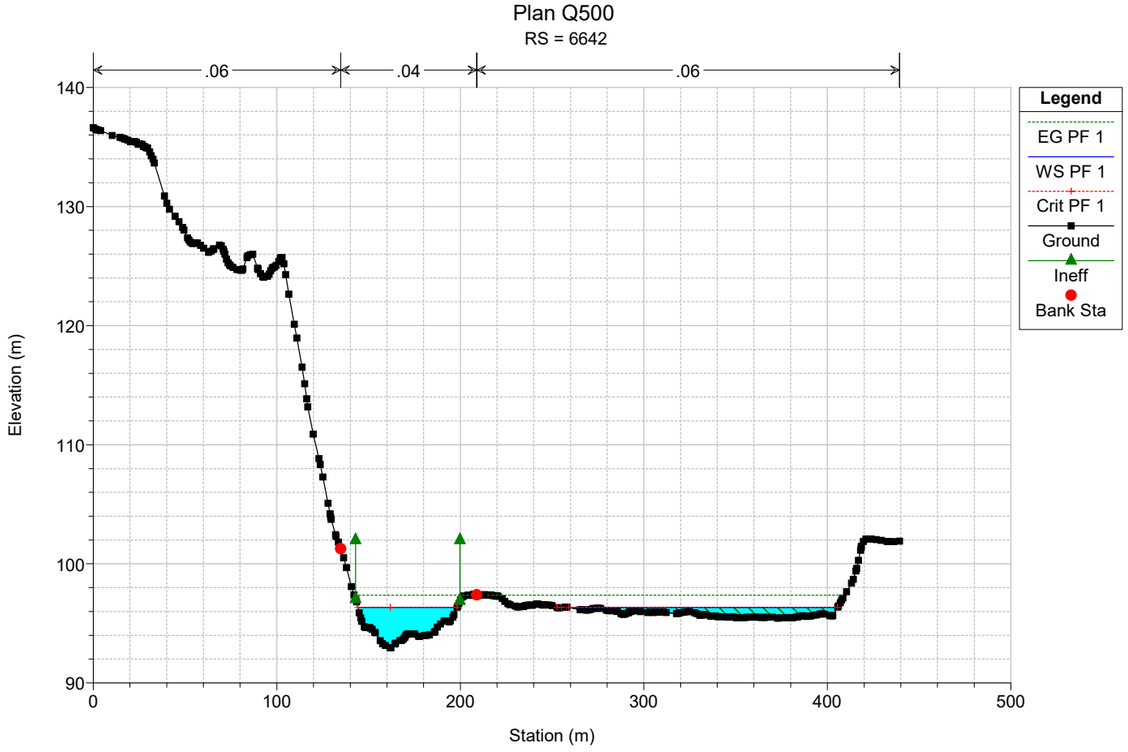
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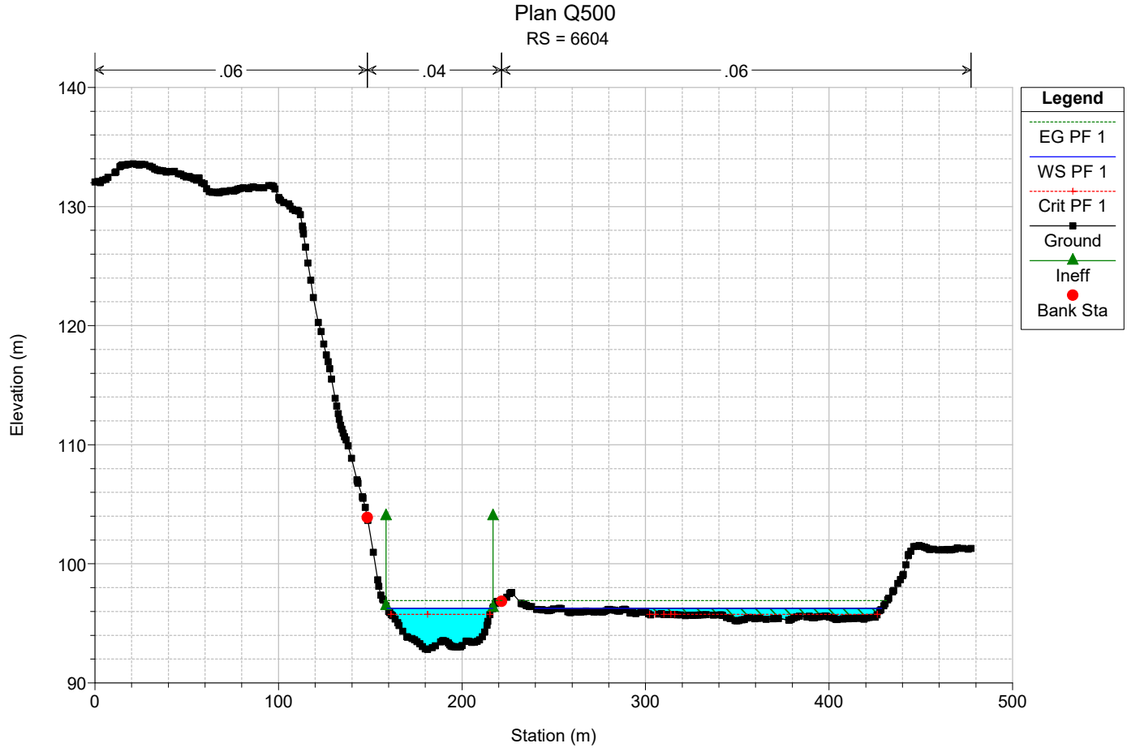
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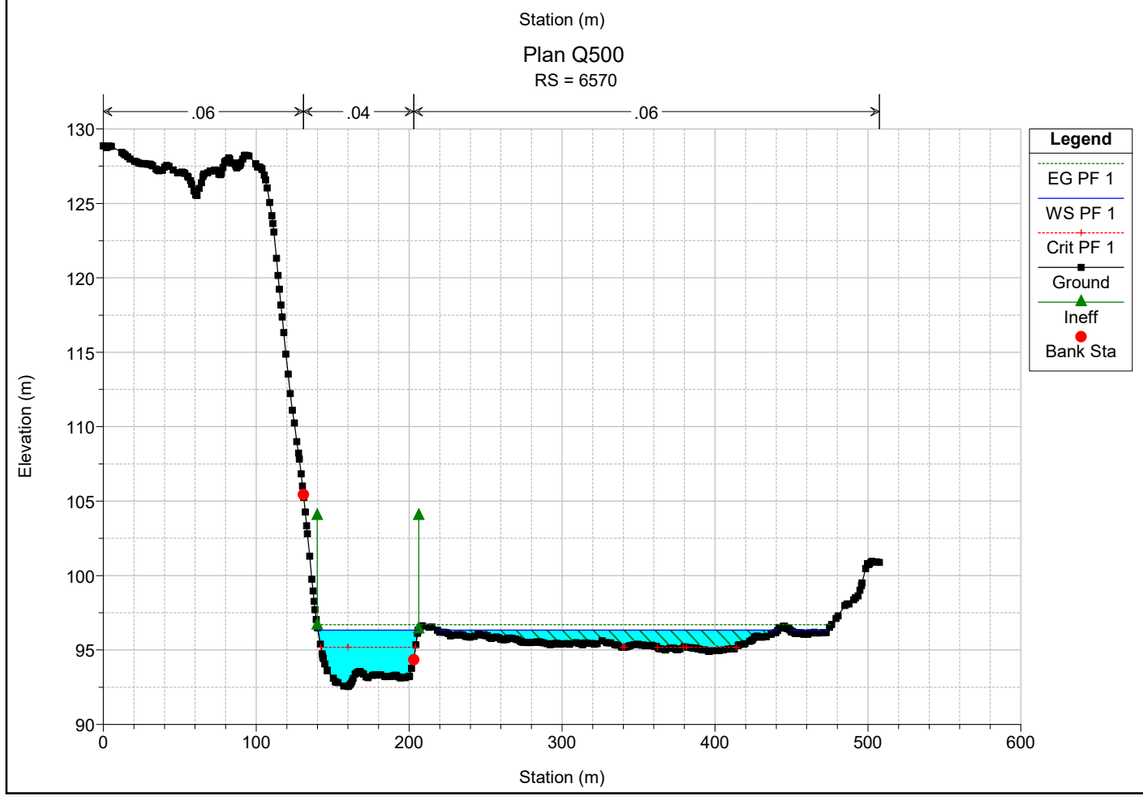
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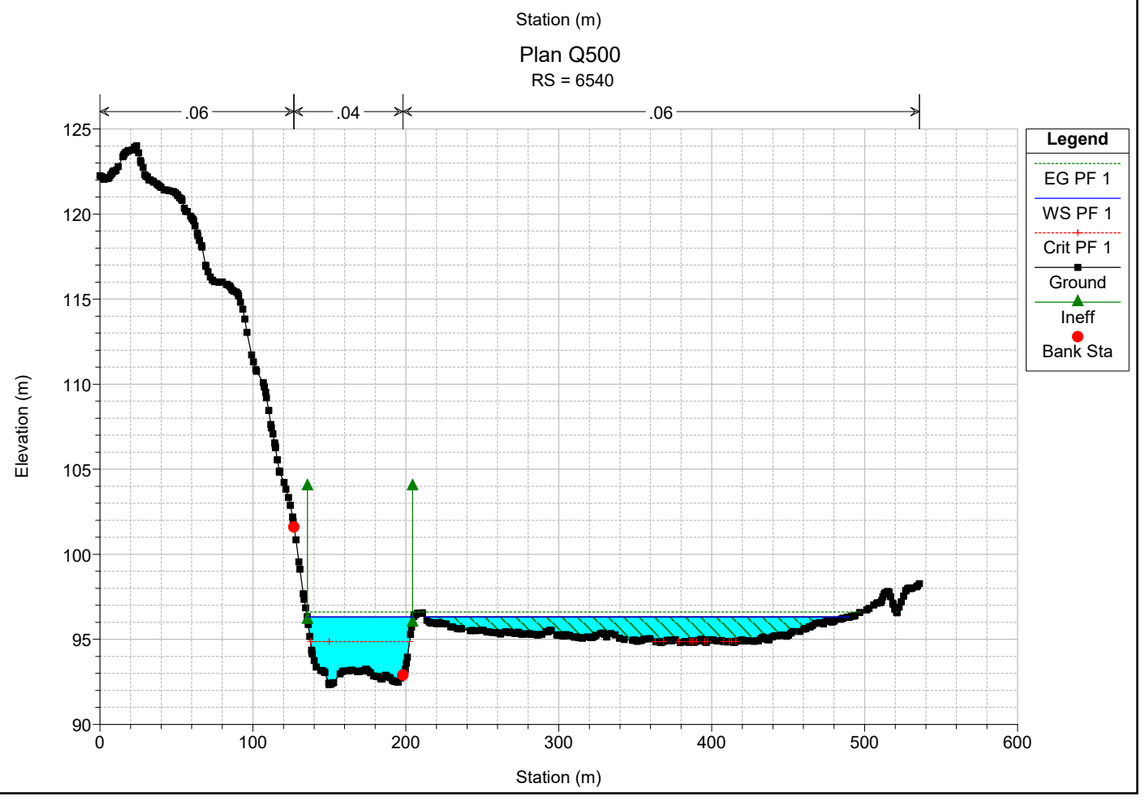
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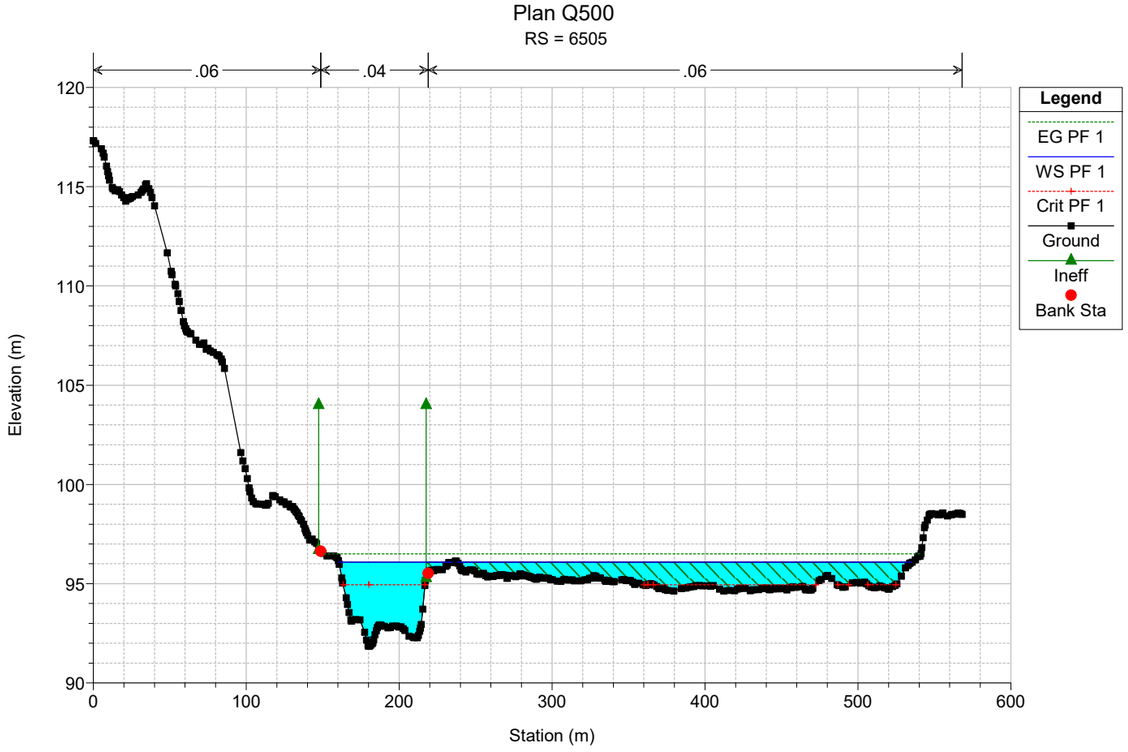
Main Channel Distance (m)

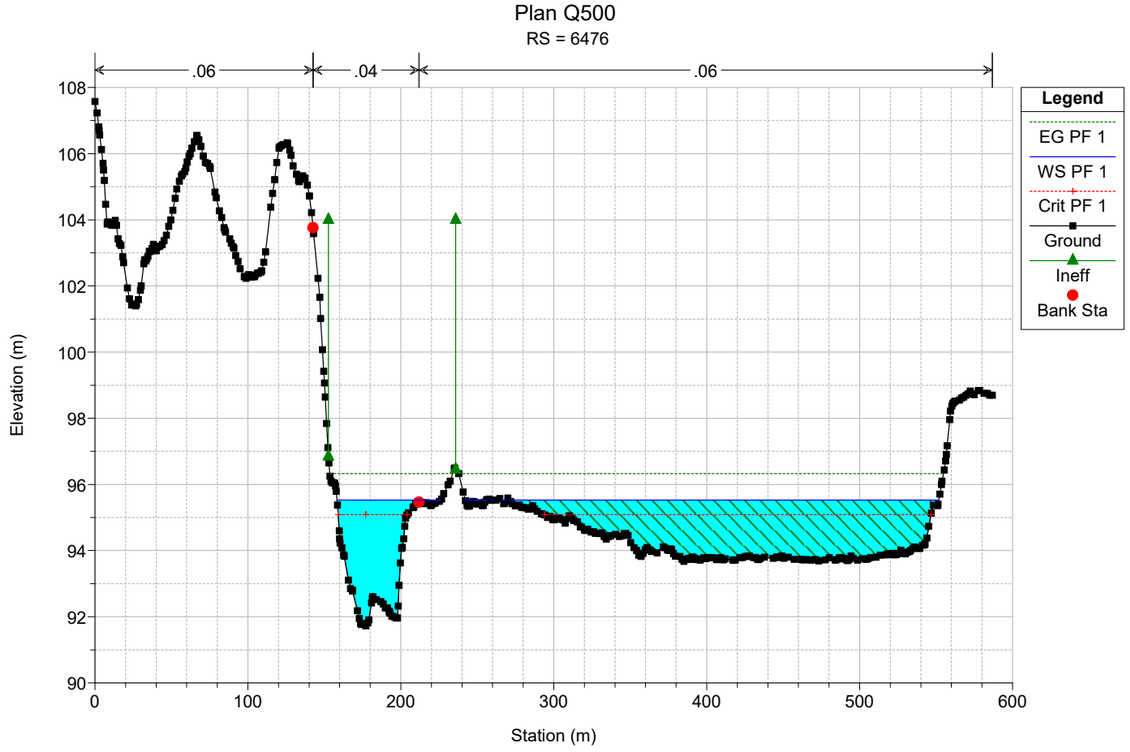

Plan Q500
RS = 6642
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

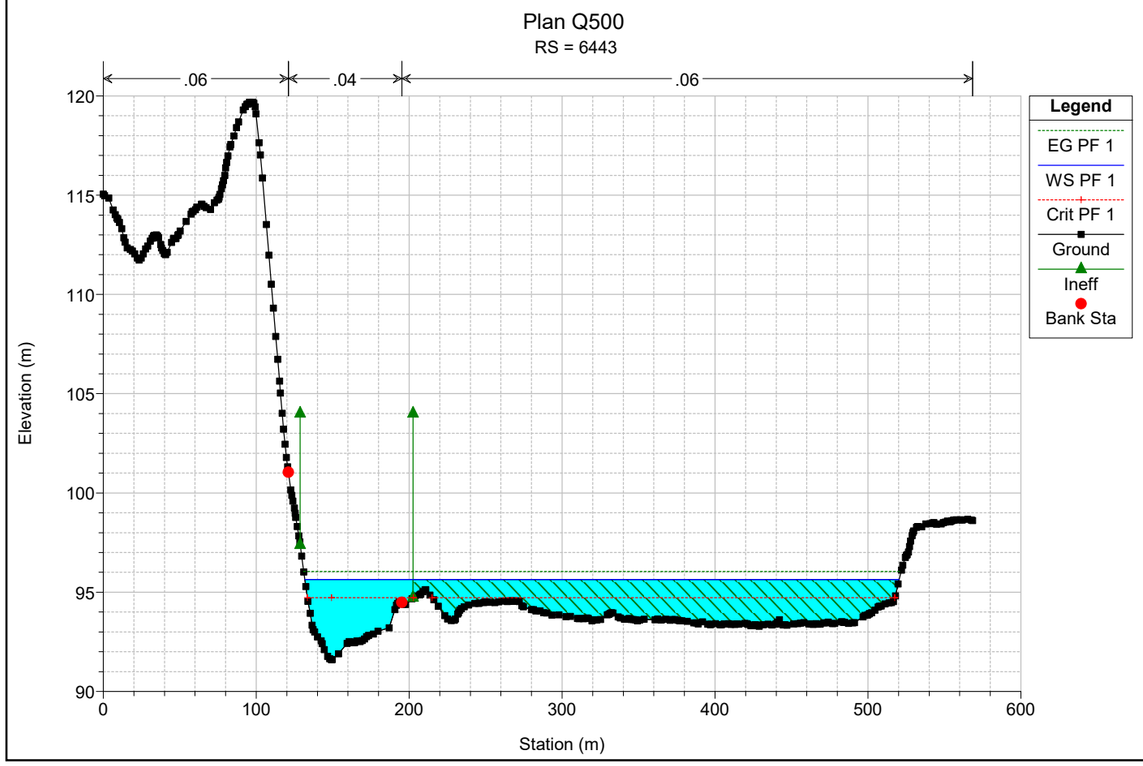

Plan Q500
RS = 6604
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500

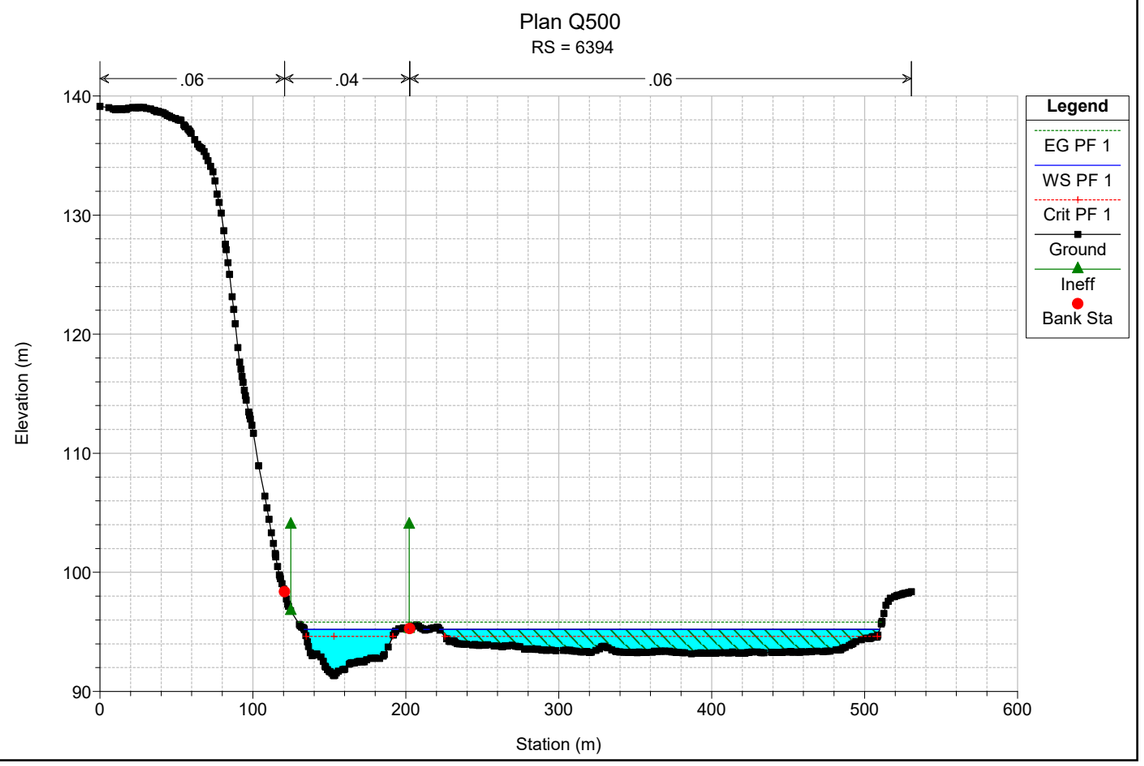

Plan Q500
RS = 6570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

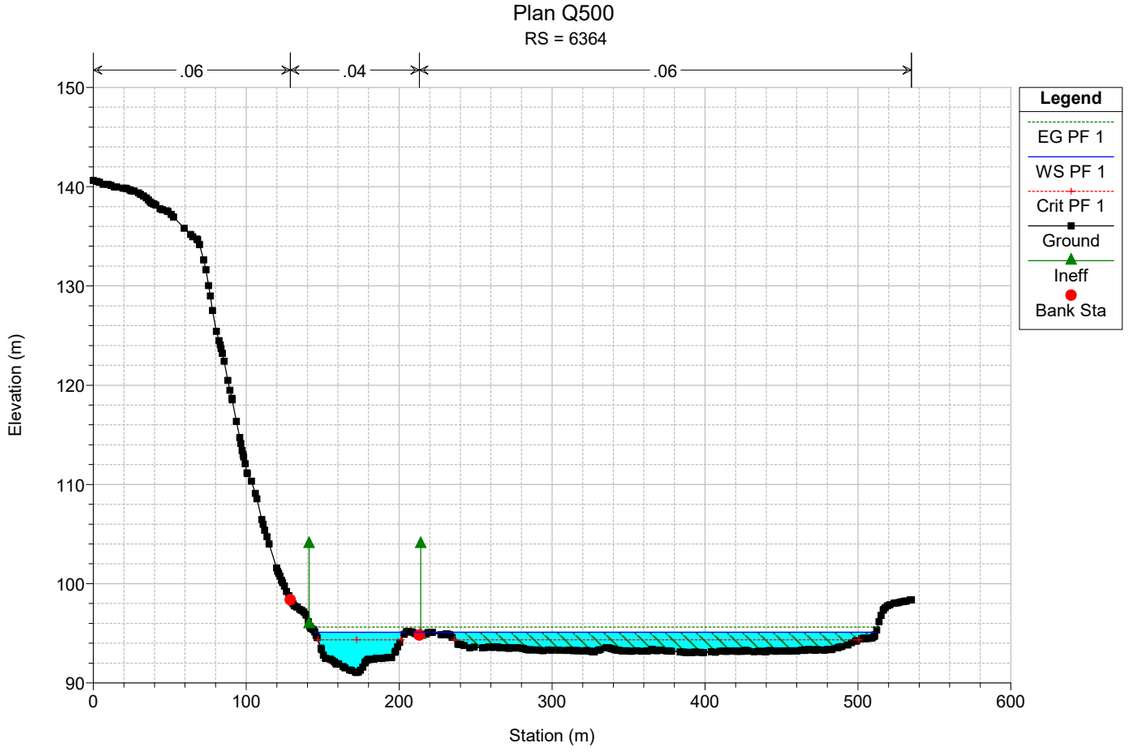

Plan Q500
RS = 6540
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
125
120
115
110
105
100
95
90
0
100
200
300
400
500
600

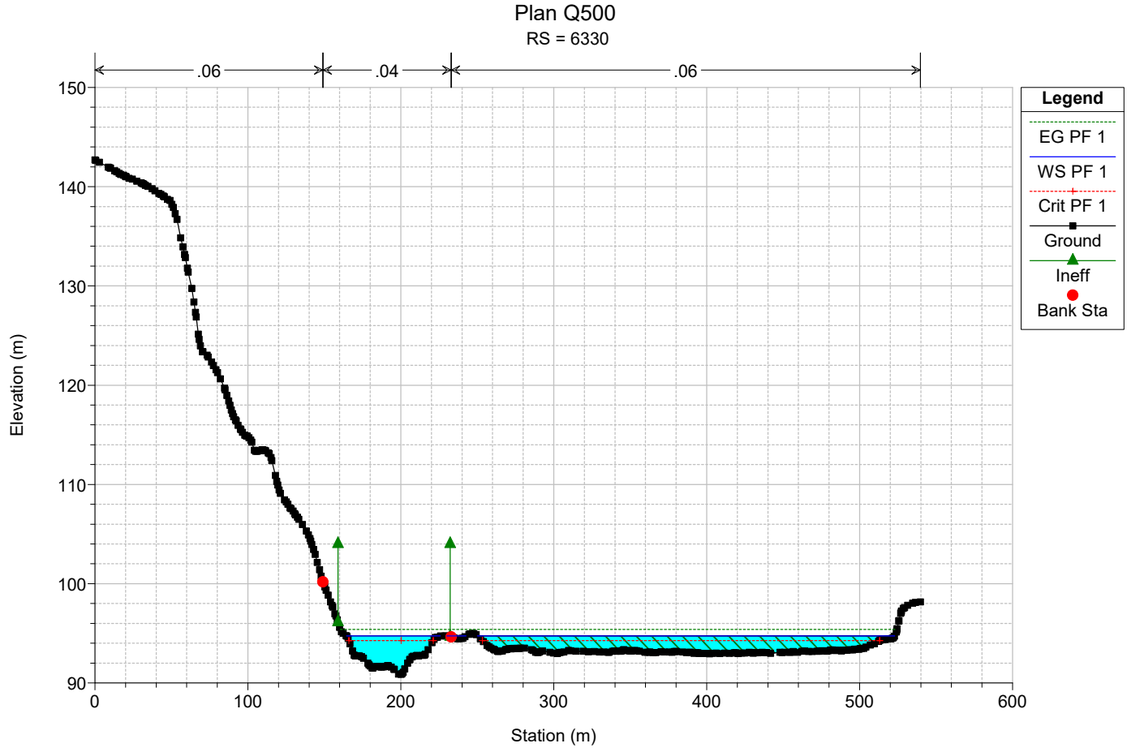

Plan Q500
RS = 6505
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

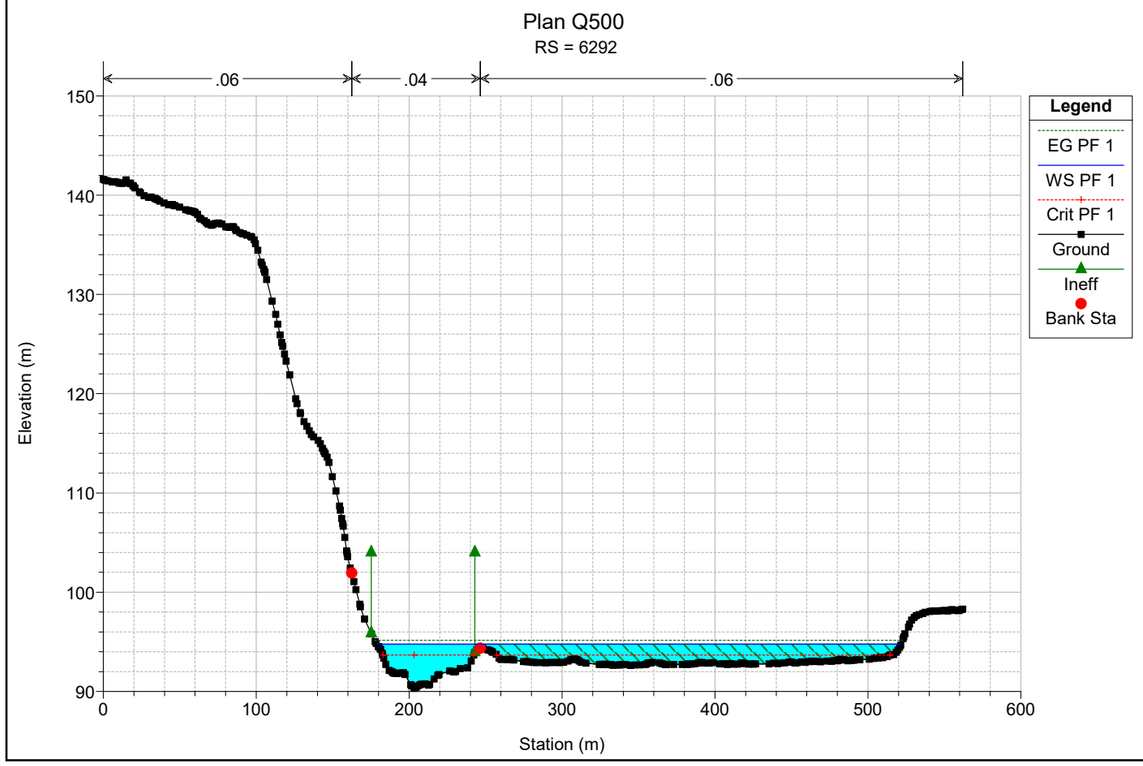

Plan Q500
RS = 6476
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
108
106
104
102
100
98
96
94
92
90
0
100
200
300
400
500
600

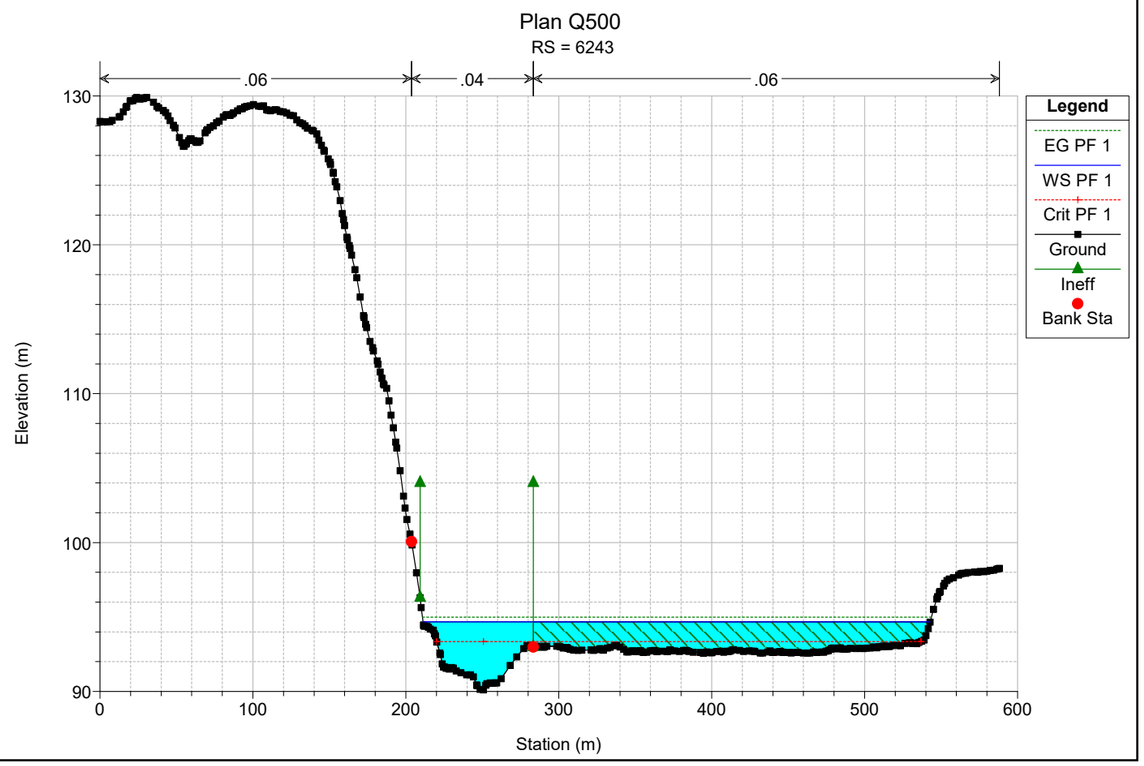

Plan Q500
RS = 6443
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
0
100
200
300
400
500
600

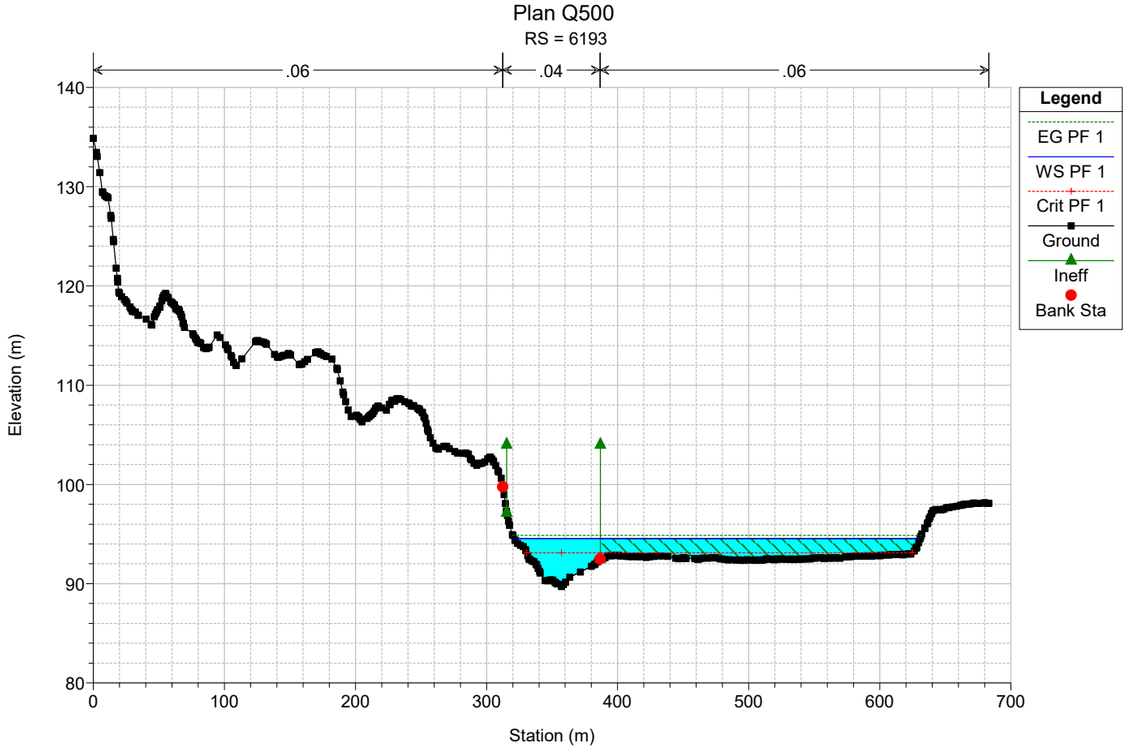

Plan Q500
RS = 6394
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
0
100
200
300
400
500
600

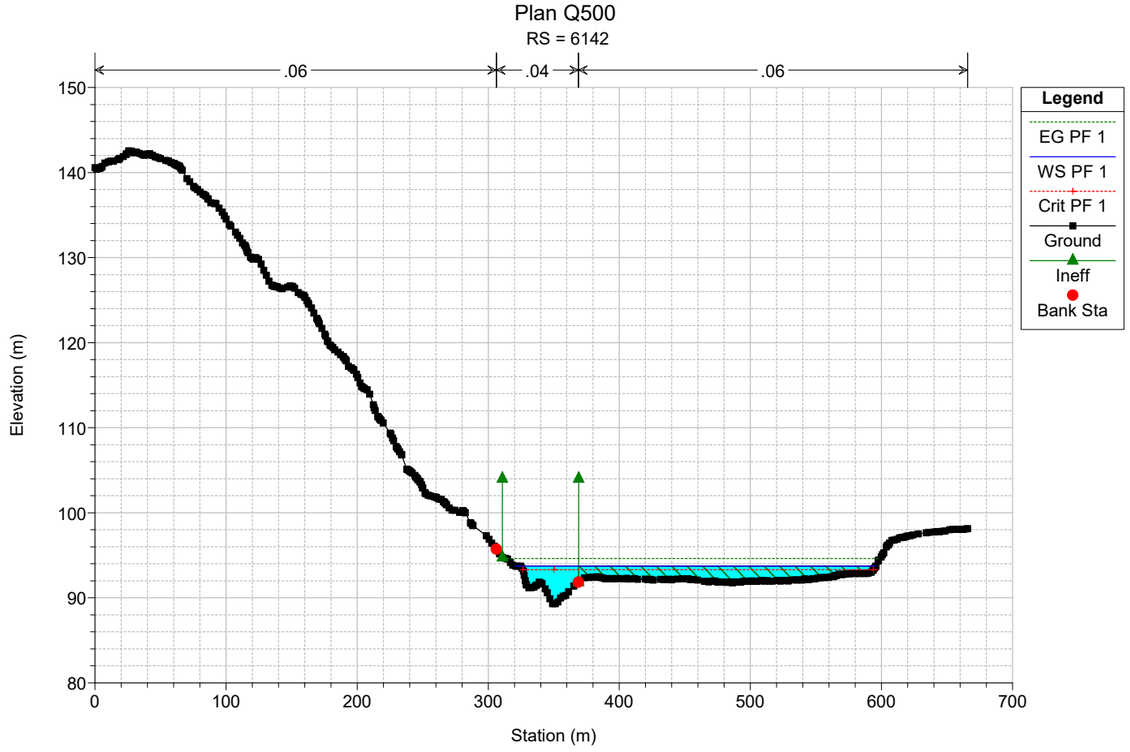

Plan Q500
RS = 6364
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

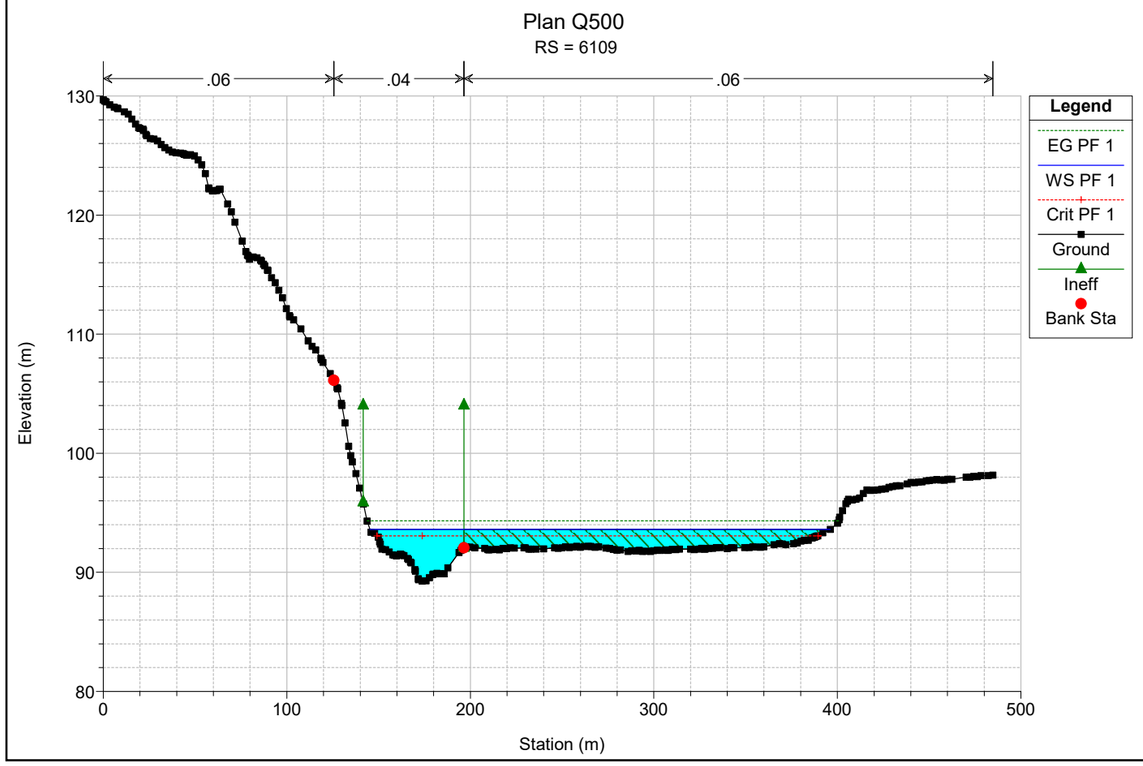

Plan Q500
RS = 6330
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

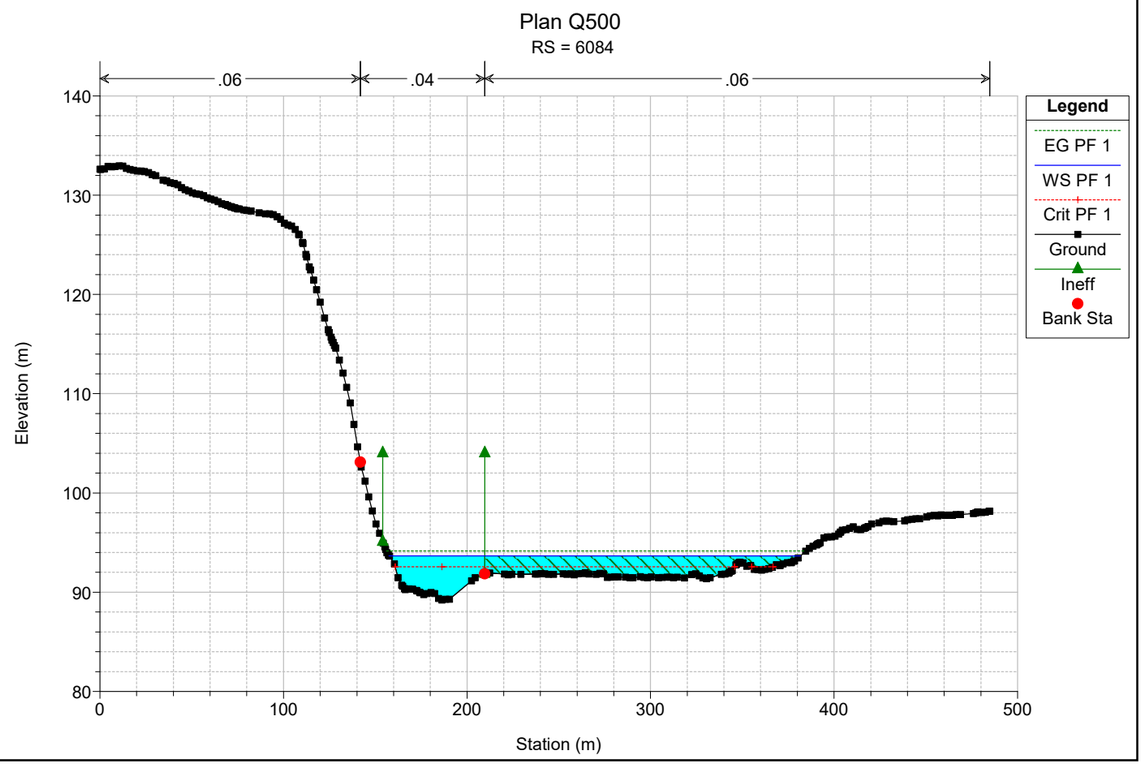

Plan Q500
RS = 6292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
0
100
200
300
400
500
600

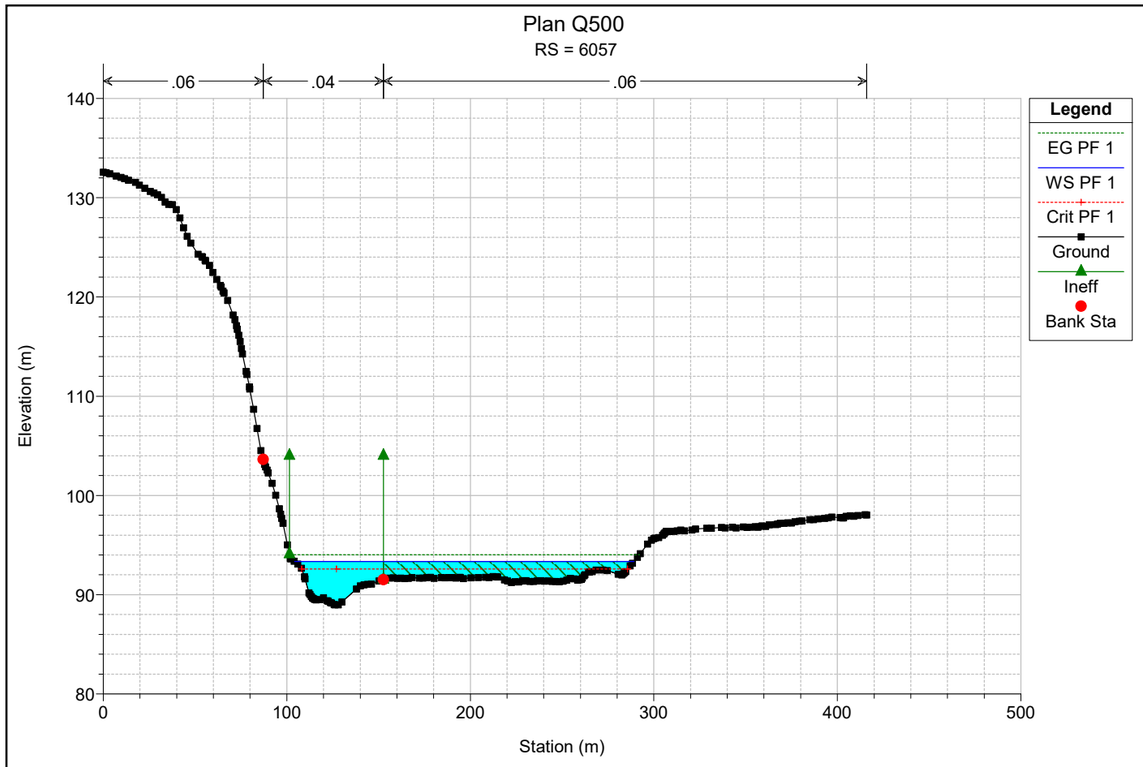

Plan Q500
RS = 6243
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
0
100
200
300
400
500
600

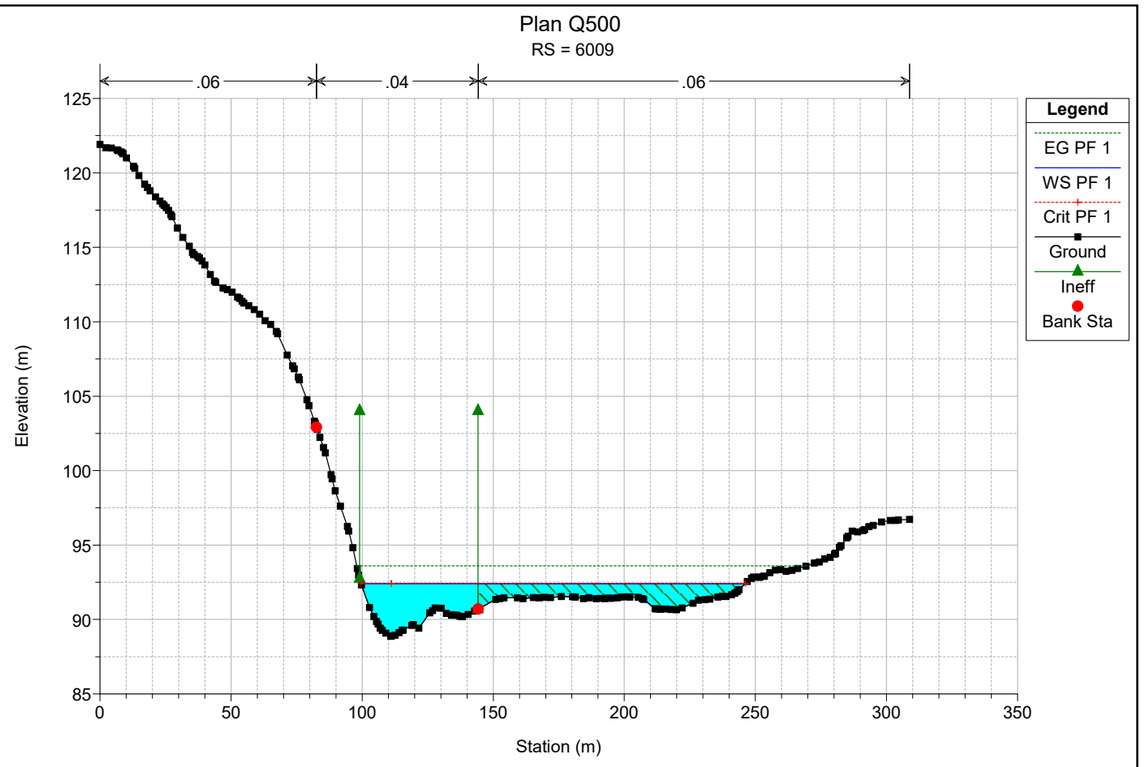

Plan Q500
RS = 6193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
80
0
100
200
300
400
500
600
700

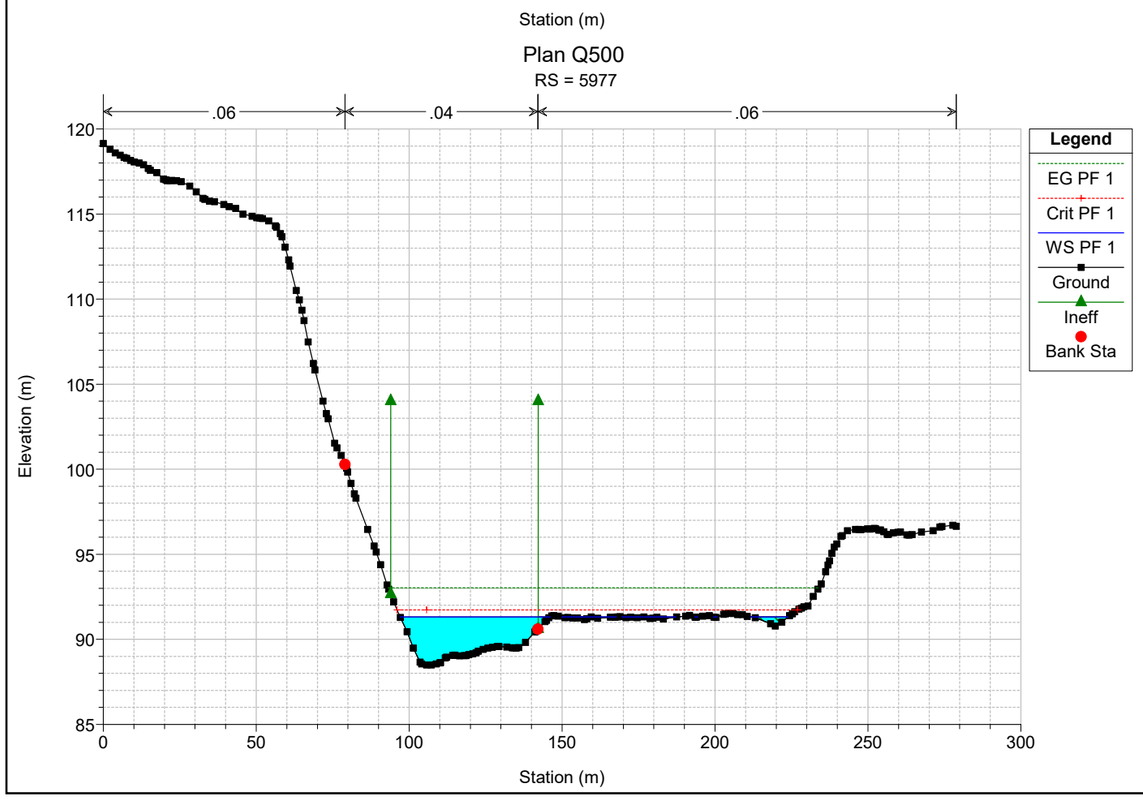

Plan Q500
RS = 6142
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
150
140
130
120
110
100
90
80
0
100
200
300
400
500
600
700

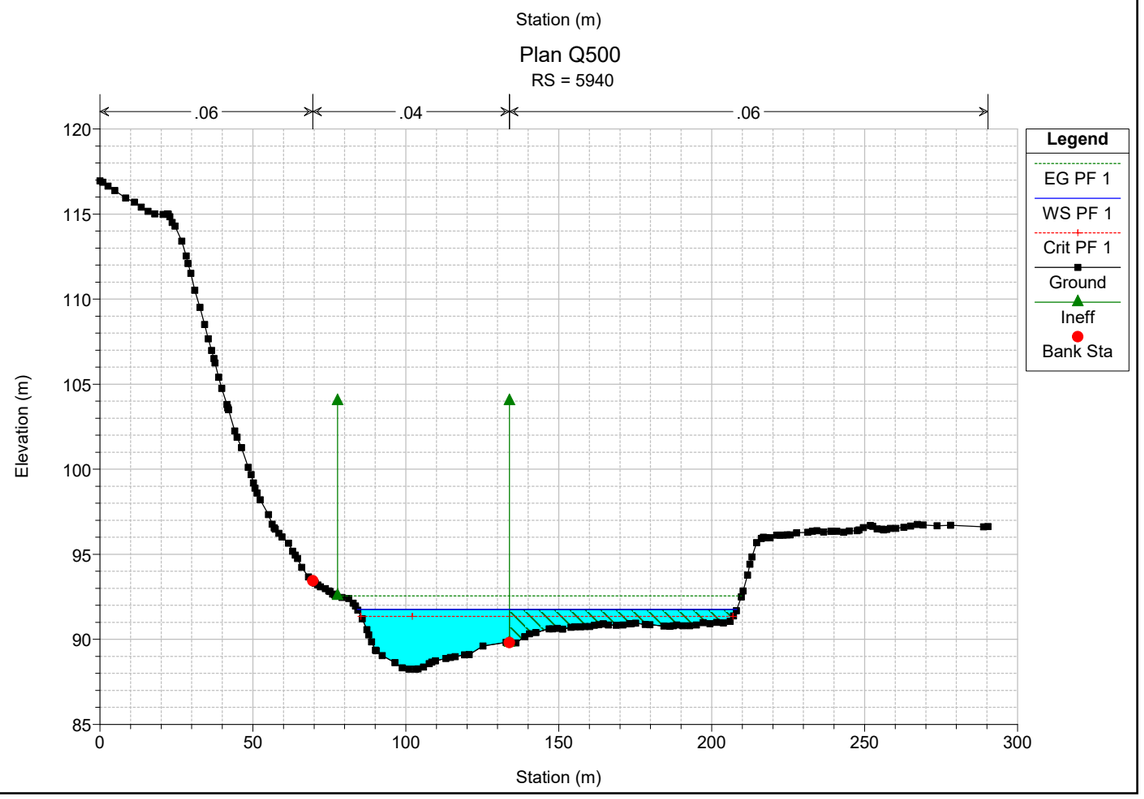

Plan Q500
RS = 6109
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
80
0
100
200
300
400
500

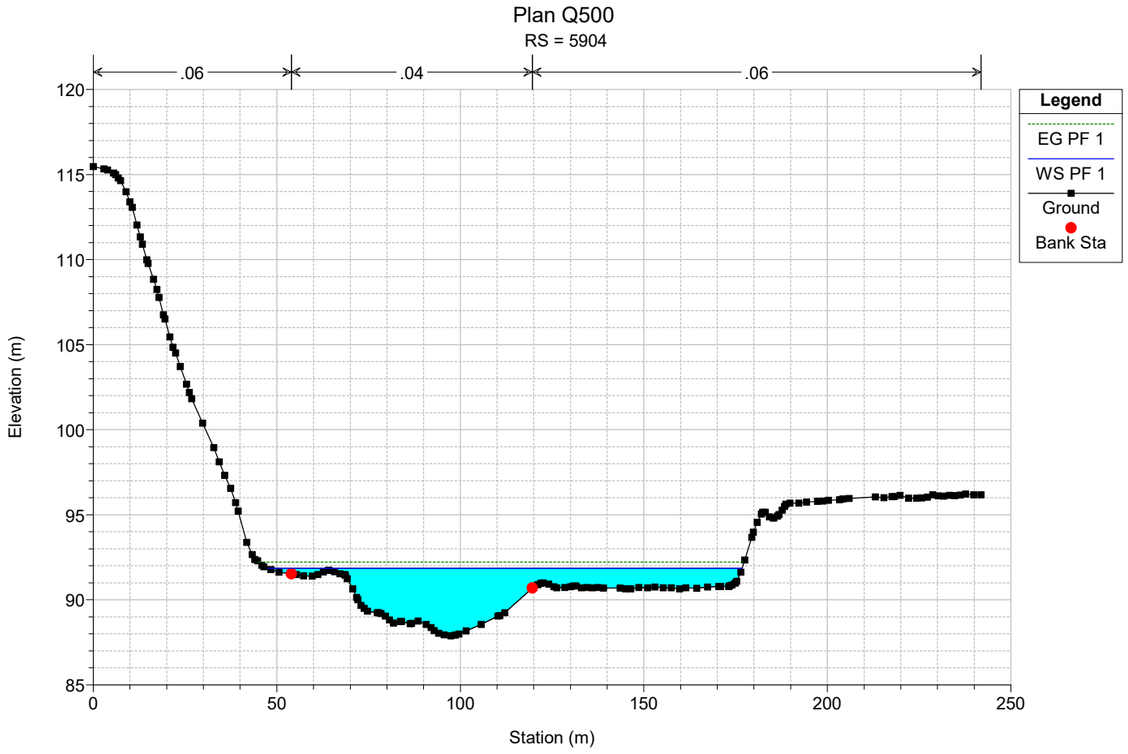

Plan Q500
RS = 6084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
140
130
120
110
100
90
80
0
100
200
300
400
500

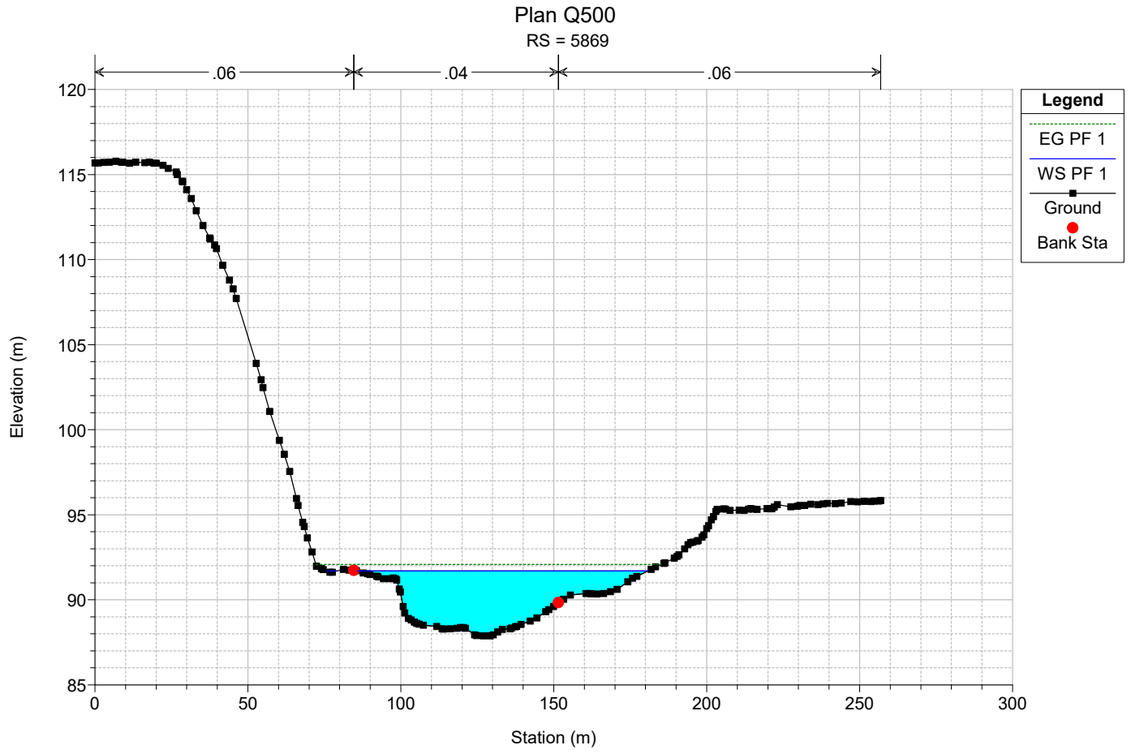

Plan Q500
RS = 6057
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

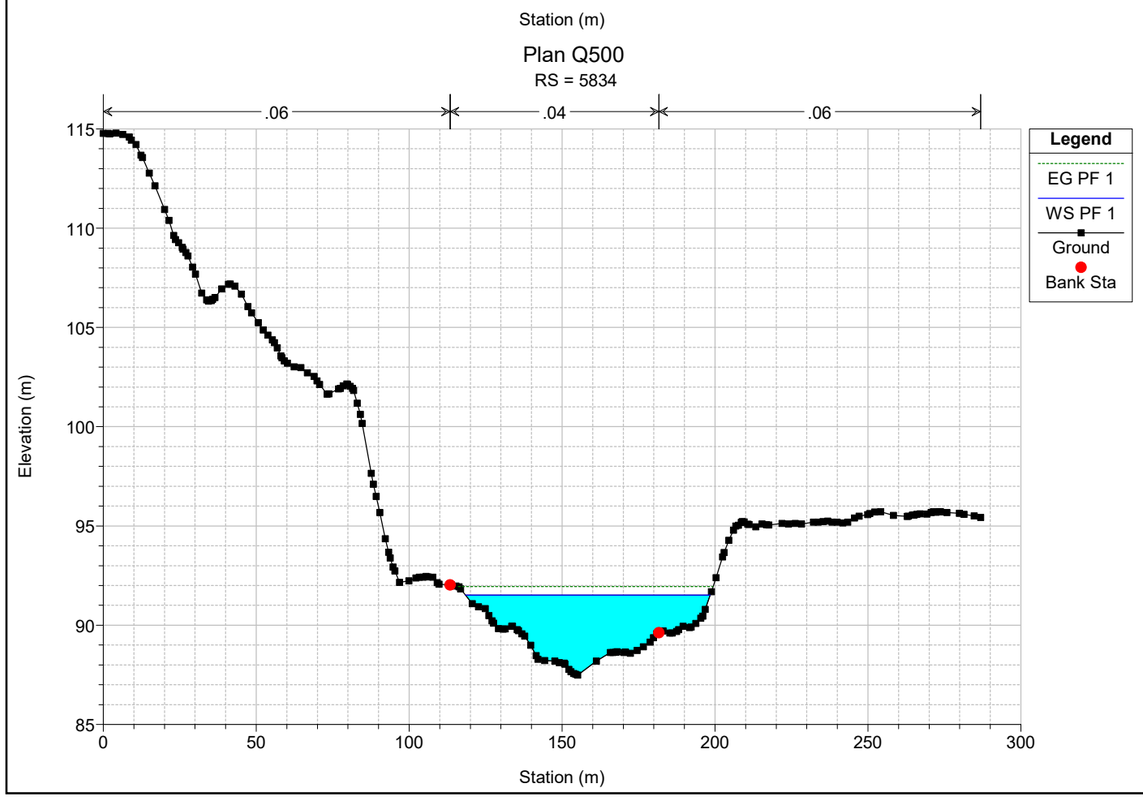

Plan Q500
RS = 6009
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

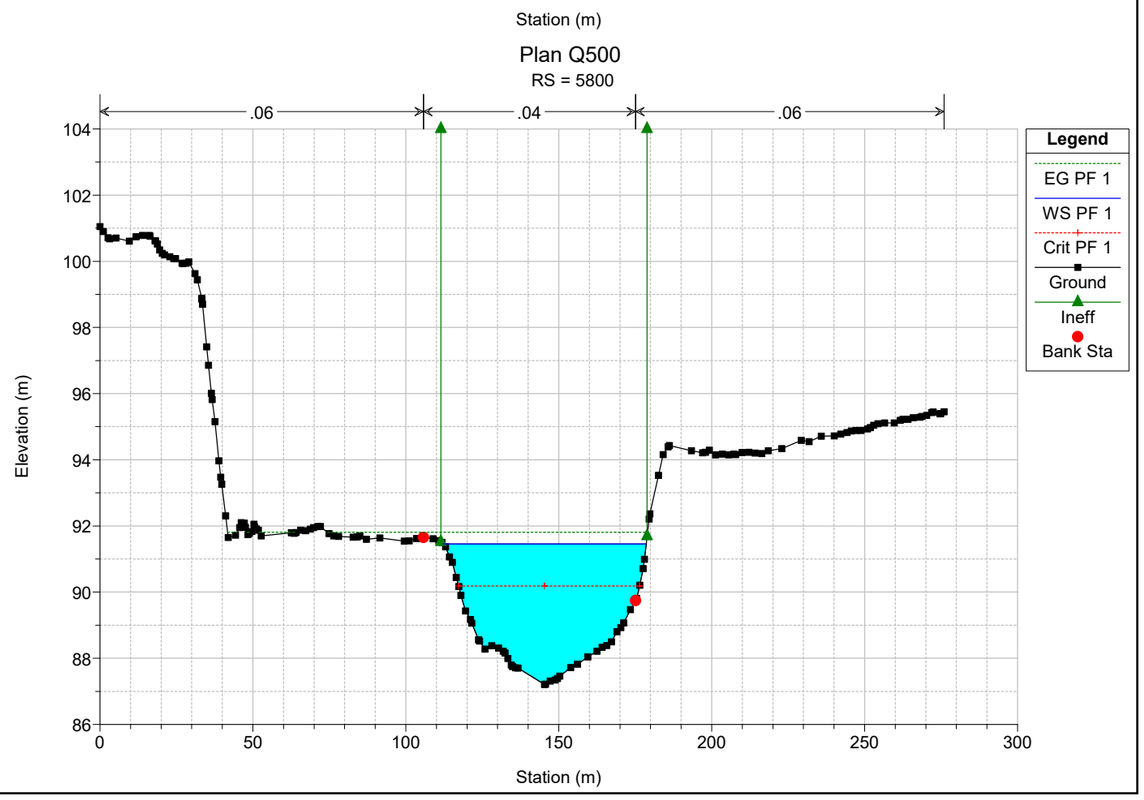

Plan Q500
RS = 5977
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

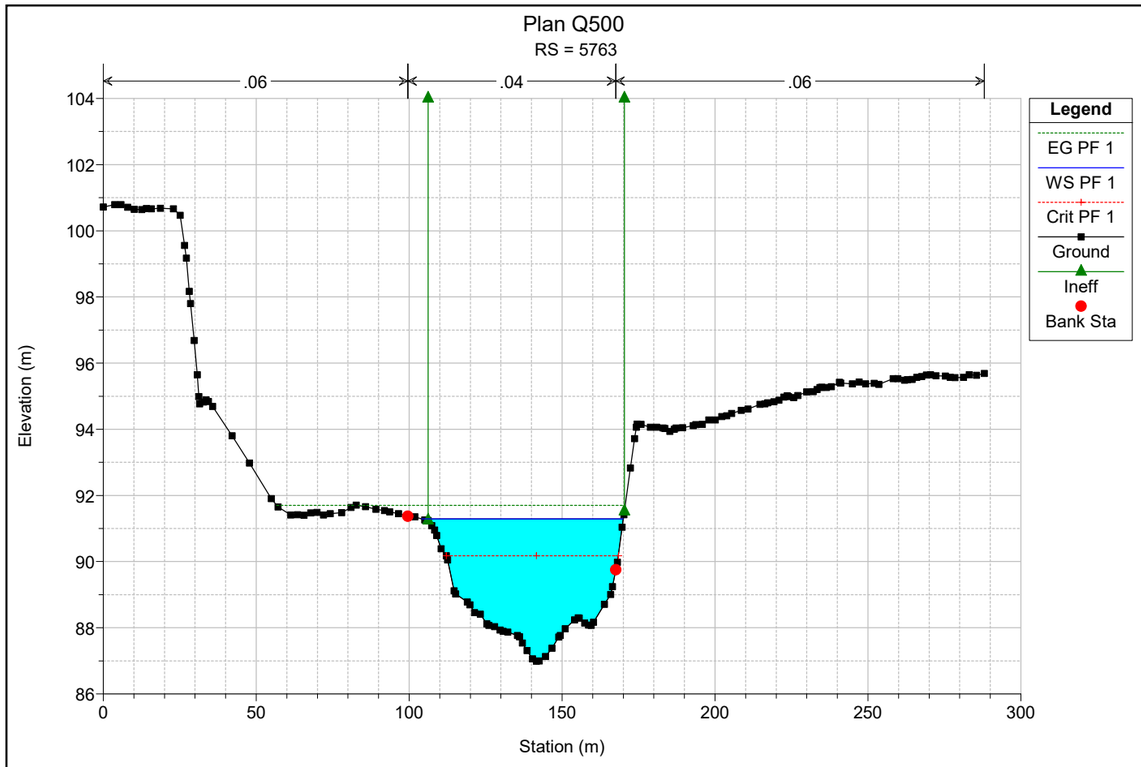

Plan Q500
RS = 5940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

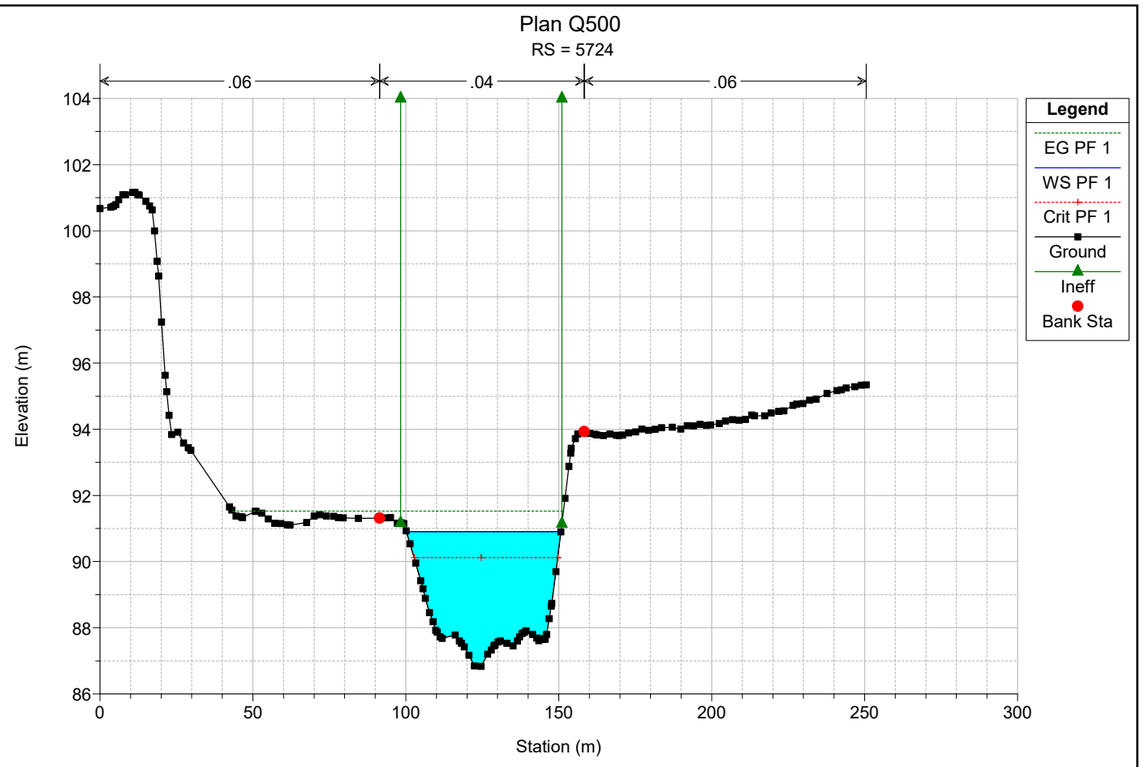

Plan Q500
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

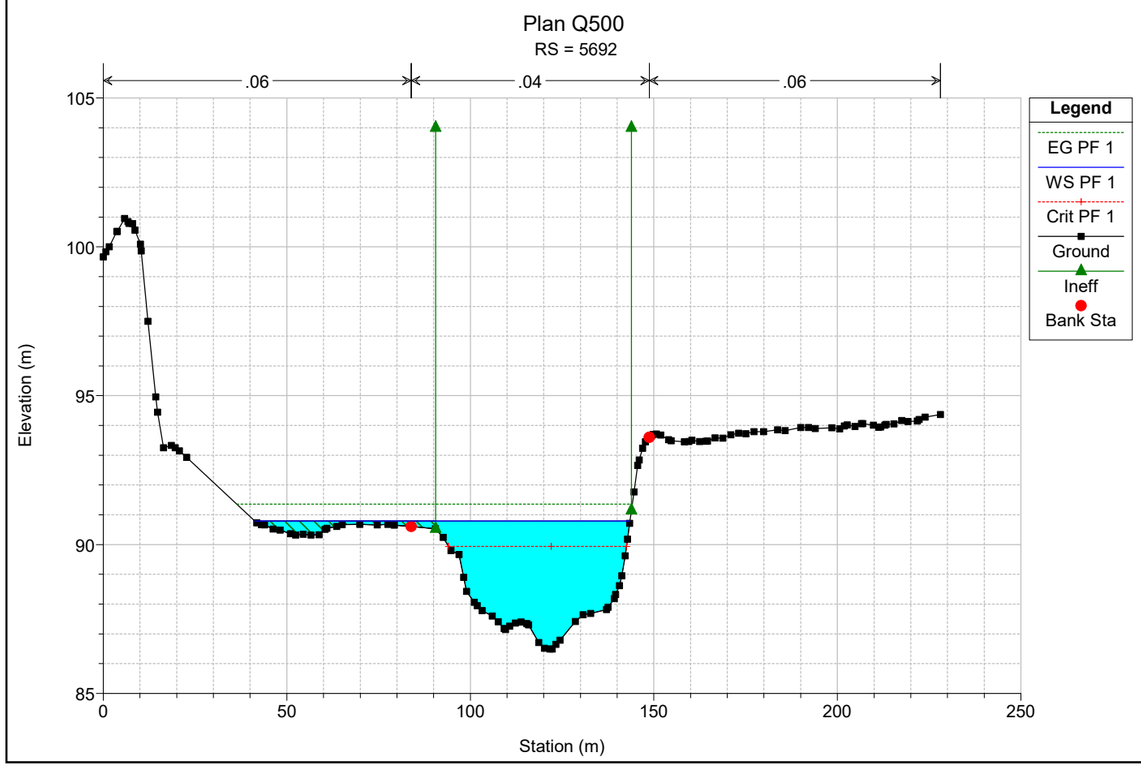

Plan Q500
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

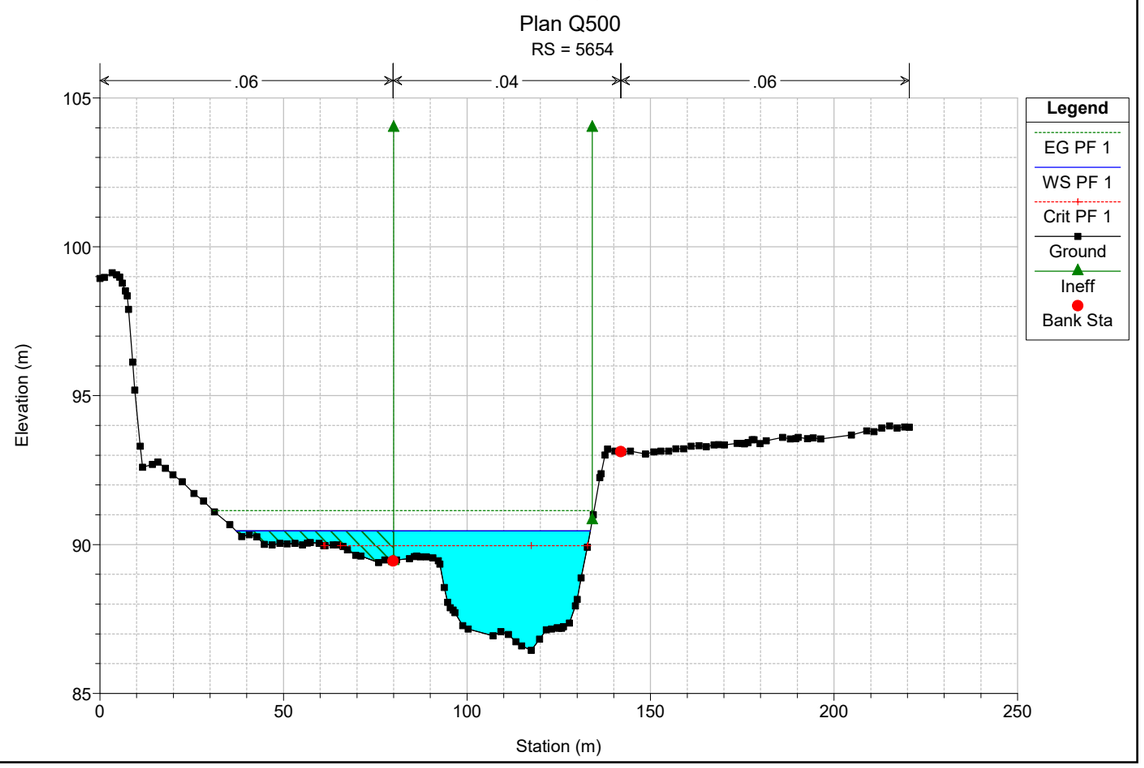

Plan Q500
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

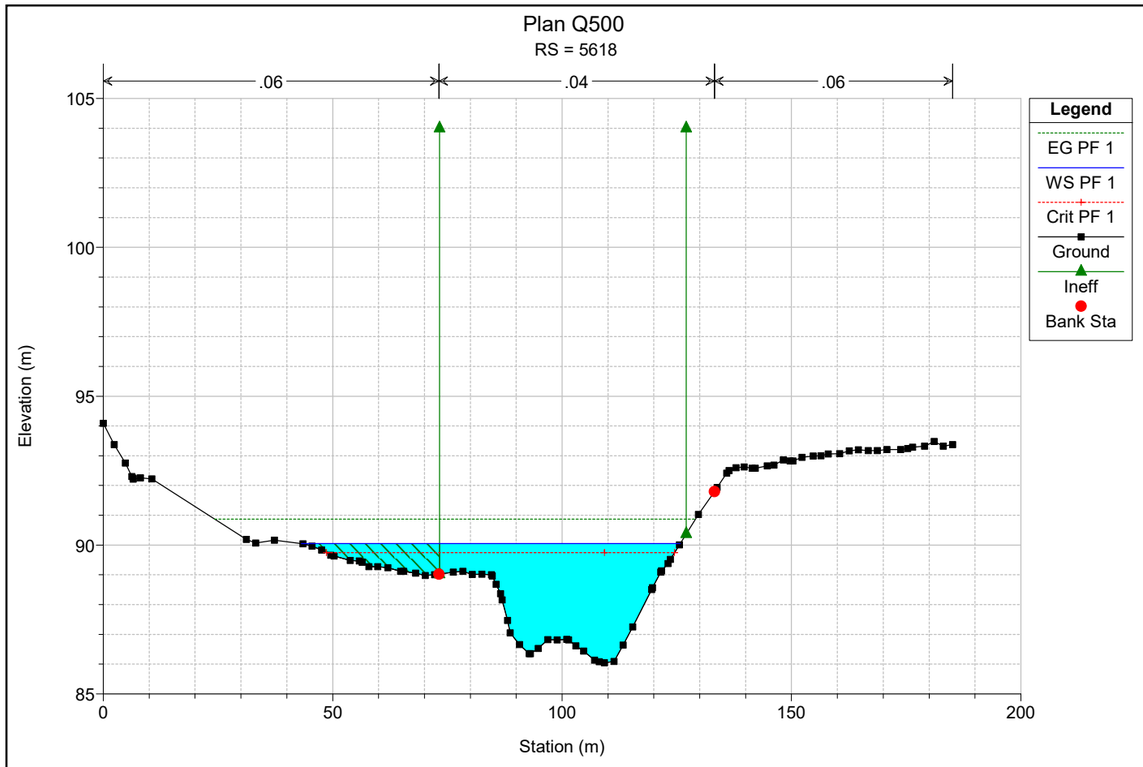

Plan Q500
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

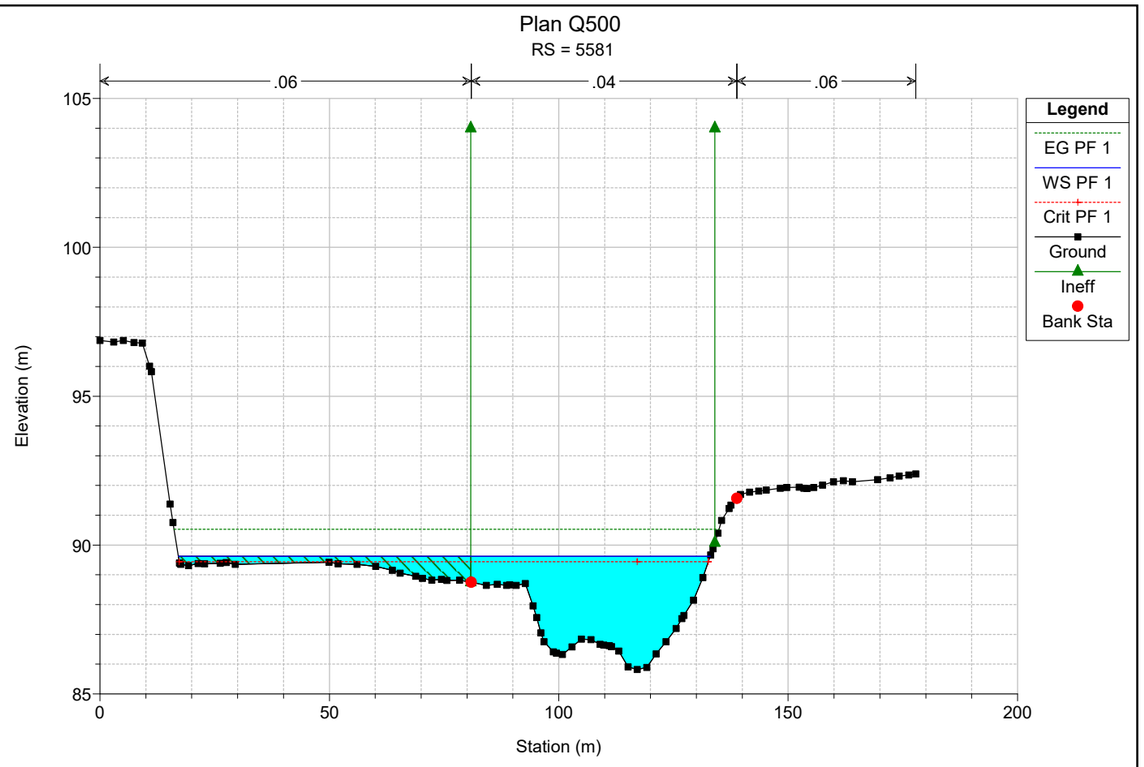

Plan Q500
RS = 5763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

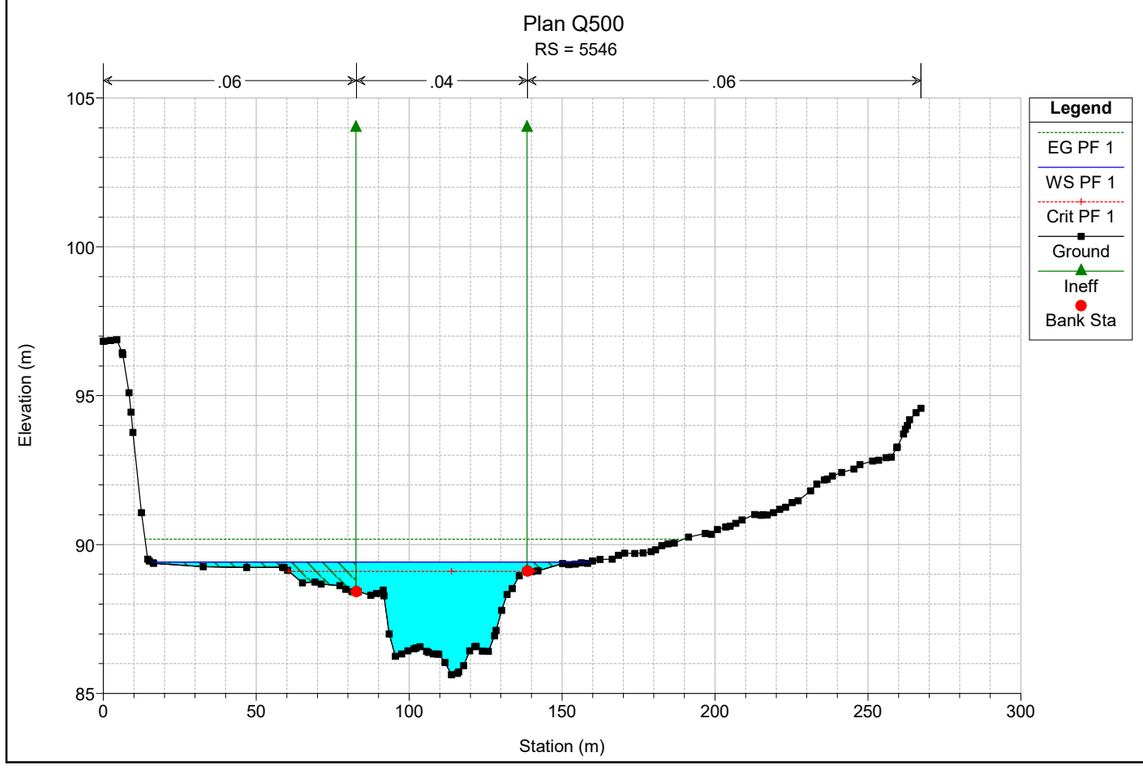

Plan Q500
RS = 5724
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

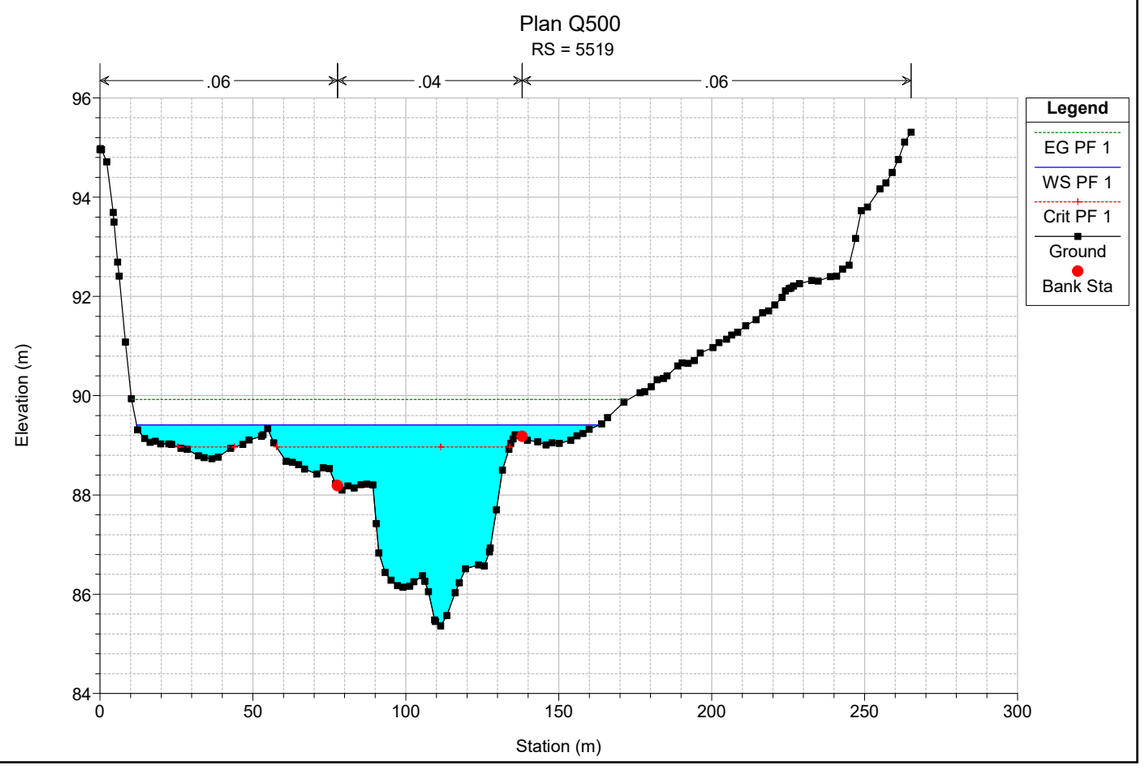

Plan Q500
RS = 5692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

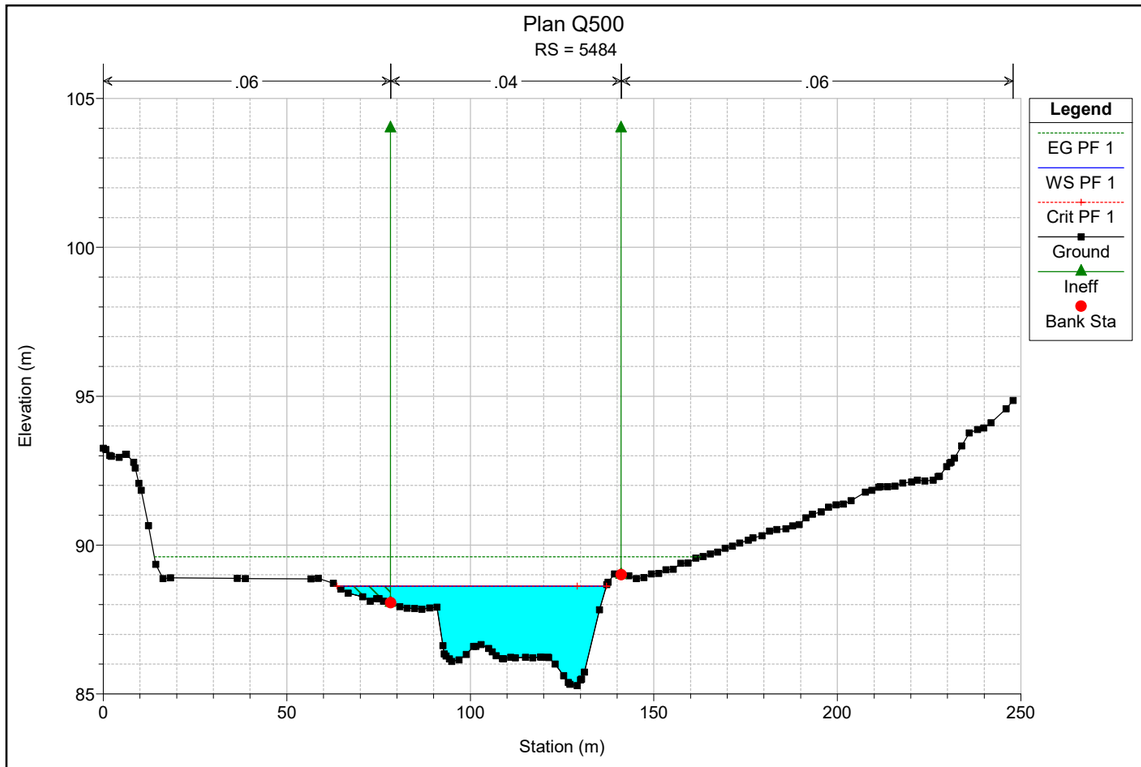

Plan Q500
RS = 5654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

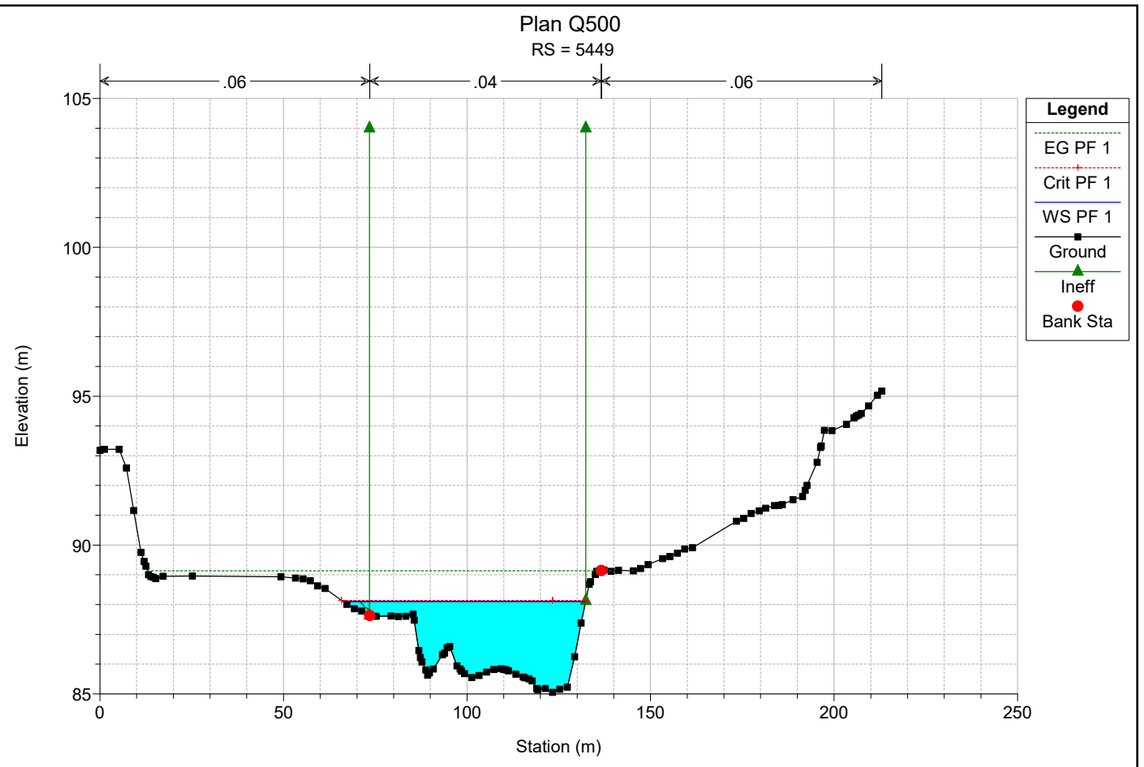

Plan Q500
RS = 5618
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200

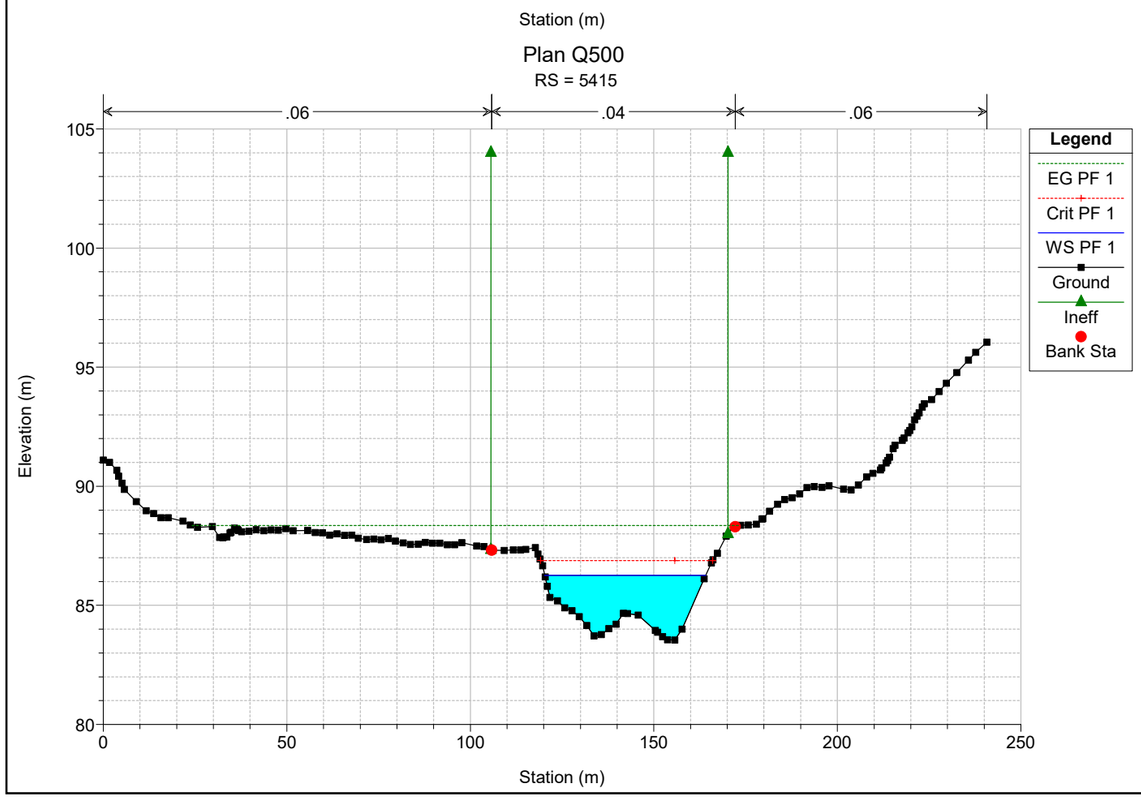

Plan Q500
RS = 5581
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200

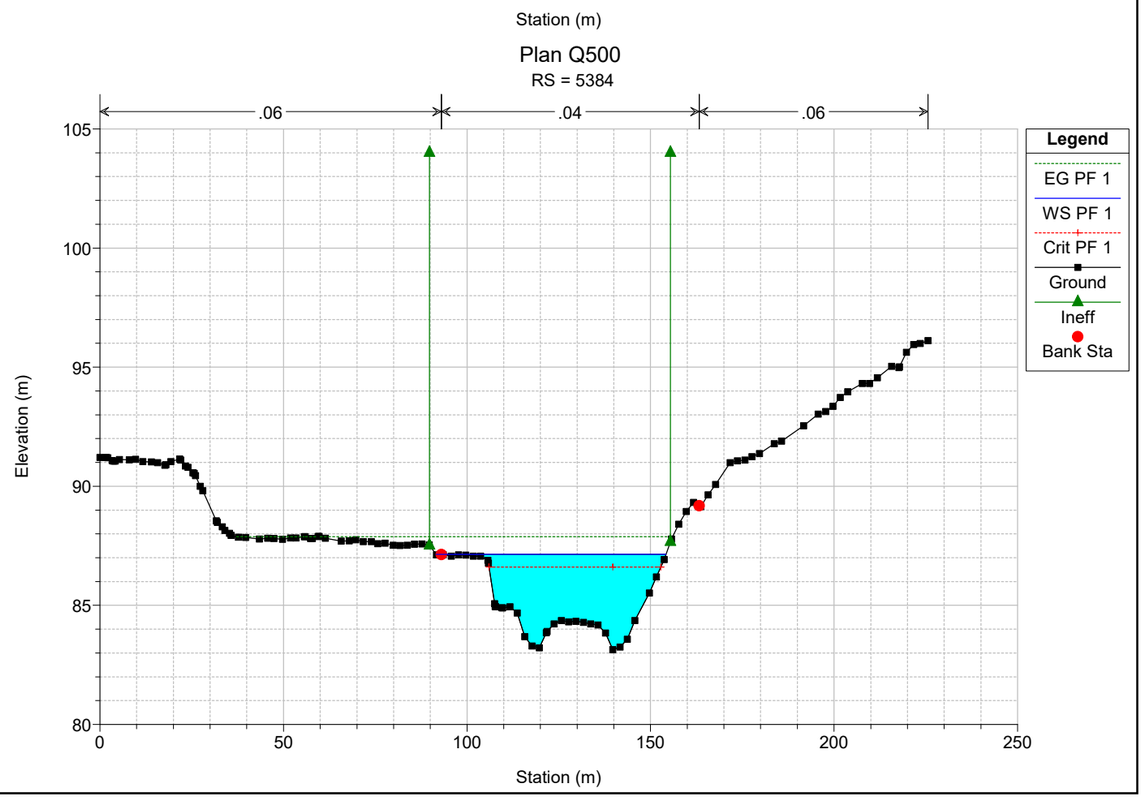

Plan Q500
RS = 5546
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250
300

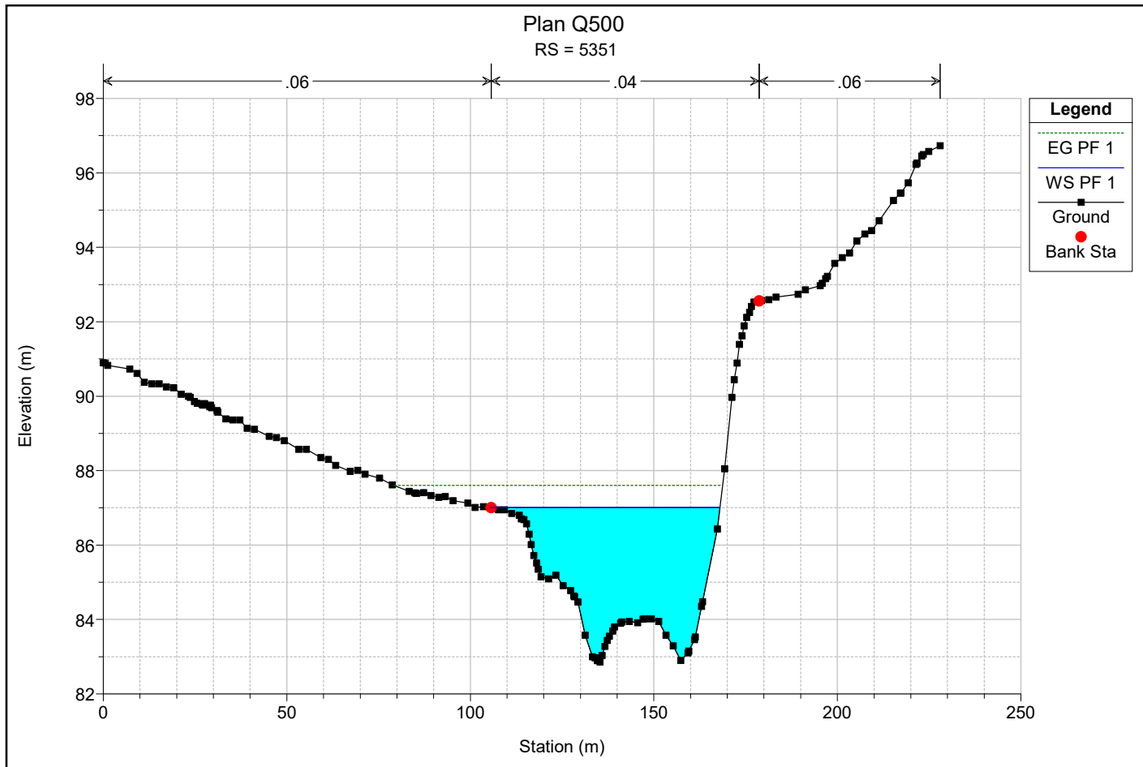

Plan Q500
RS = 5519
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
96
94
92
90
88
86
84
0
50
100
150
200
250
300

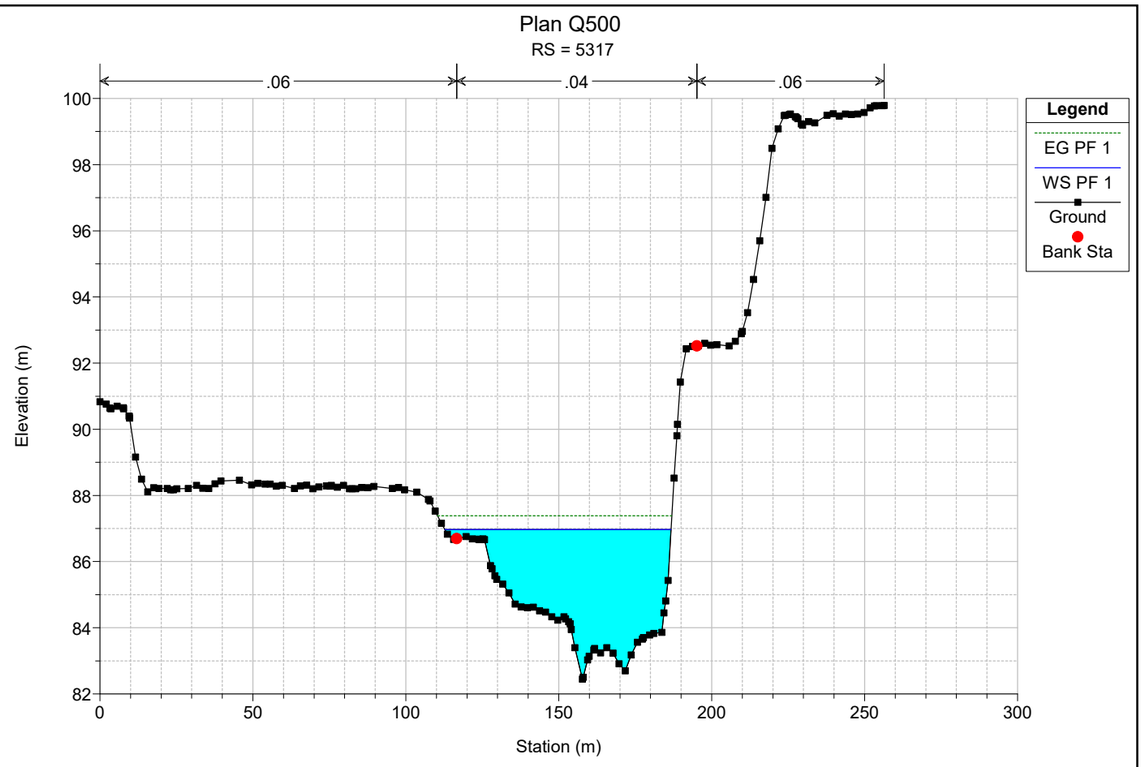

Plan Q500
RS = 5484
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

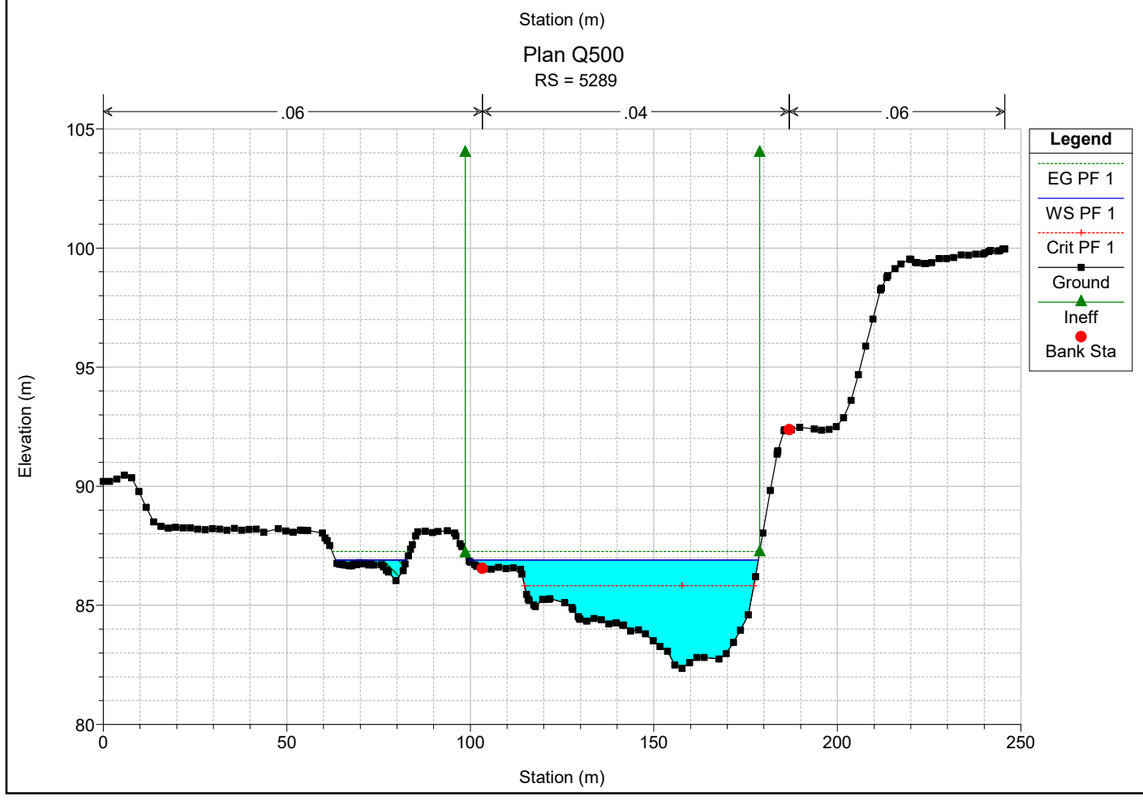

Plan Q500
RS = 5449
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
0
50
100
150
200
250

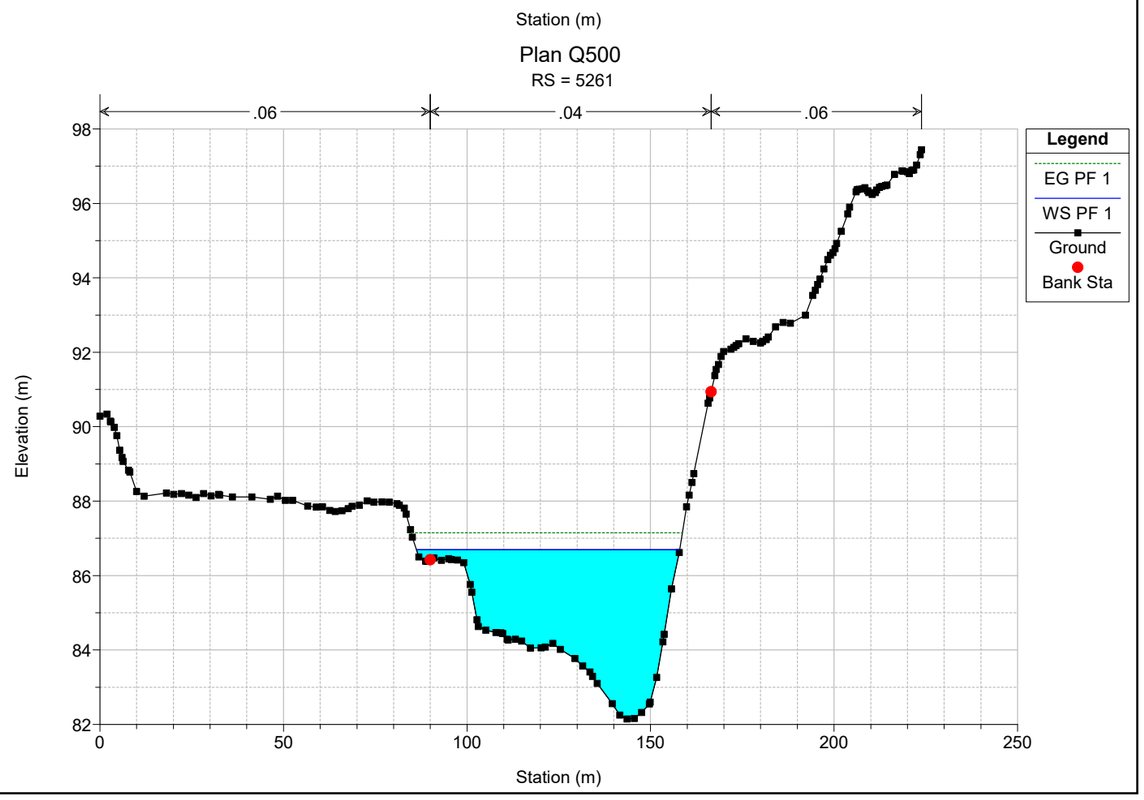

Plan Q500
RS = 5415
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

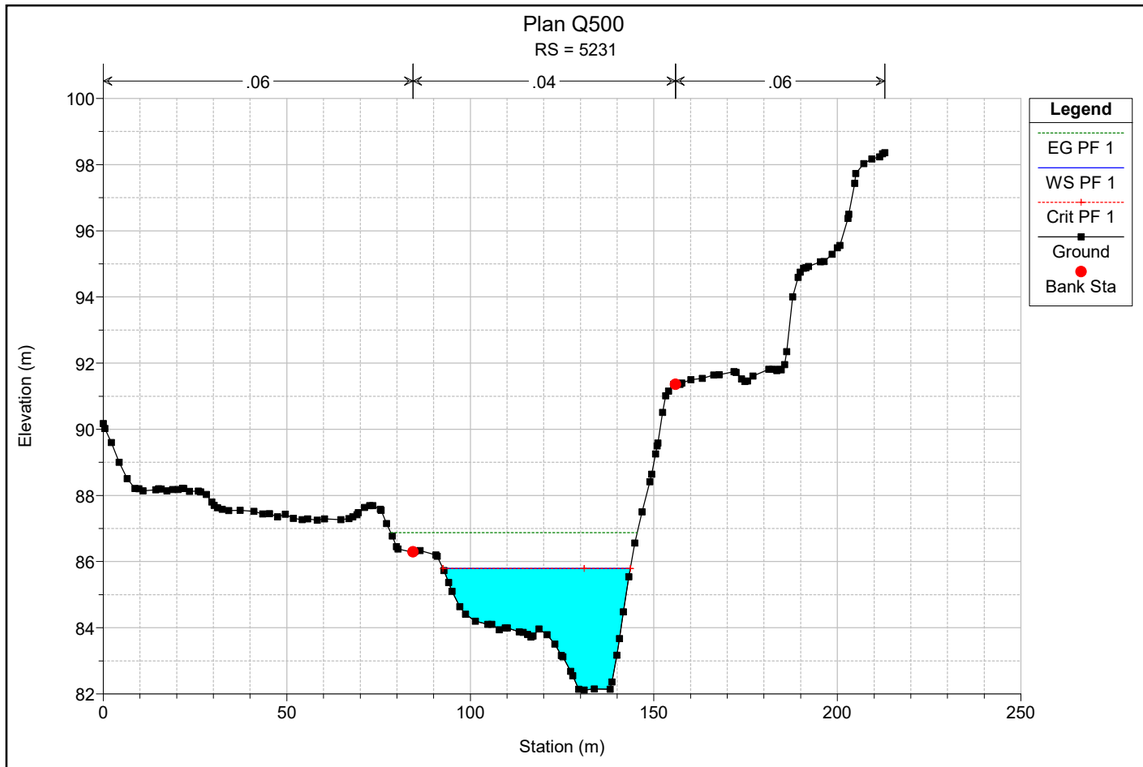

Plan Q500
RS = 5384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
0
50
100
150
200
250

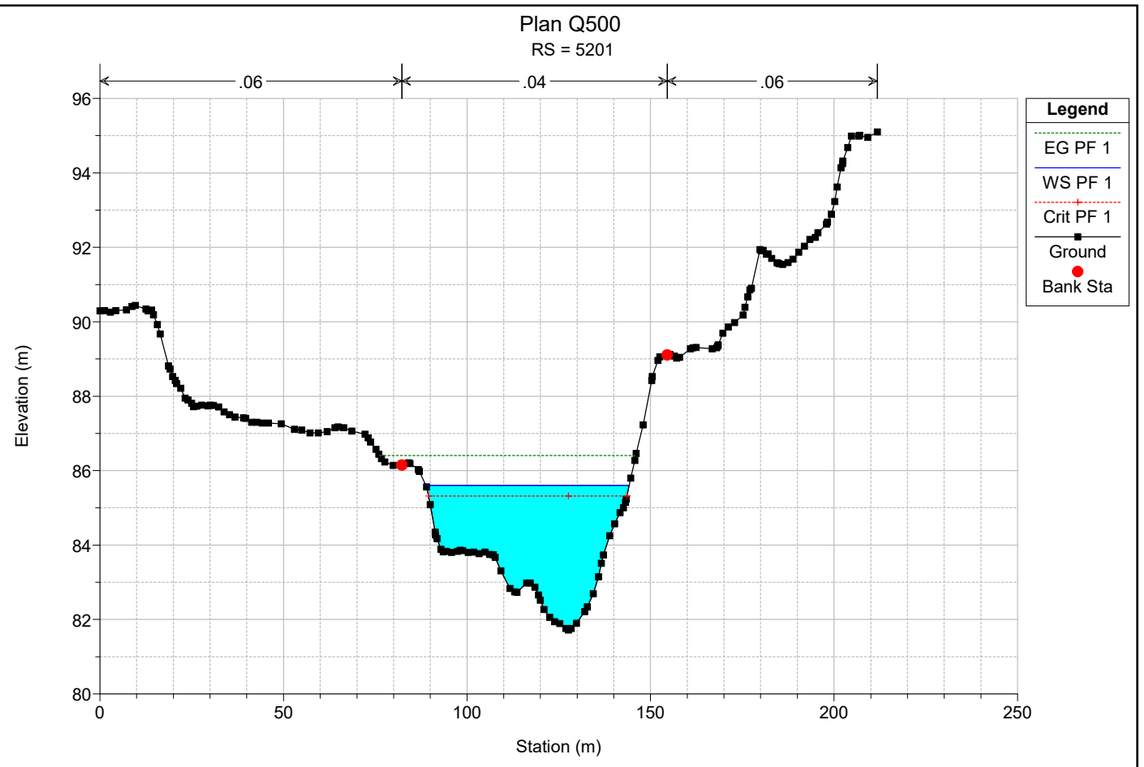

Plan Q500
RS = 5351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

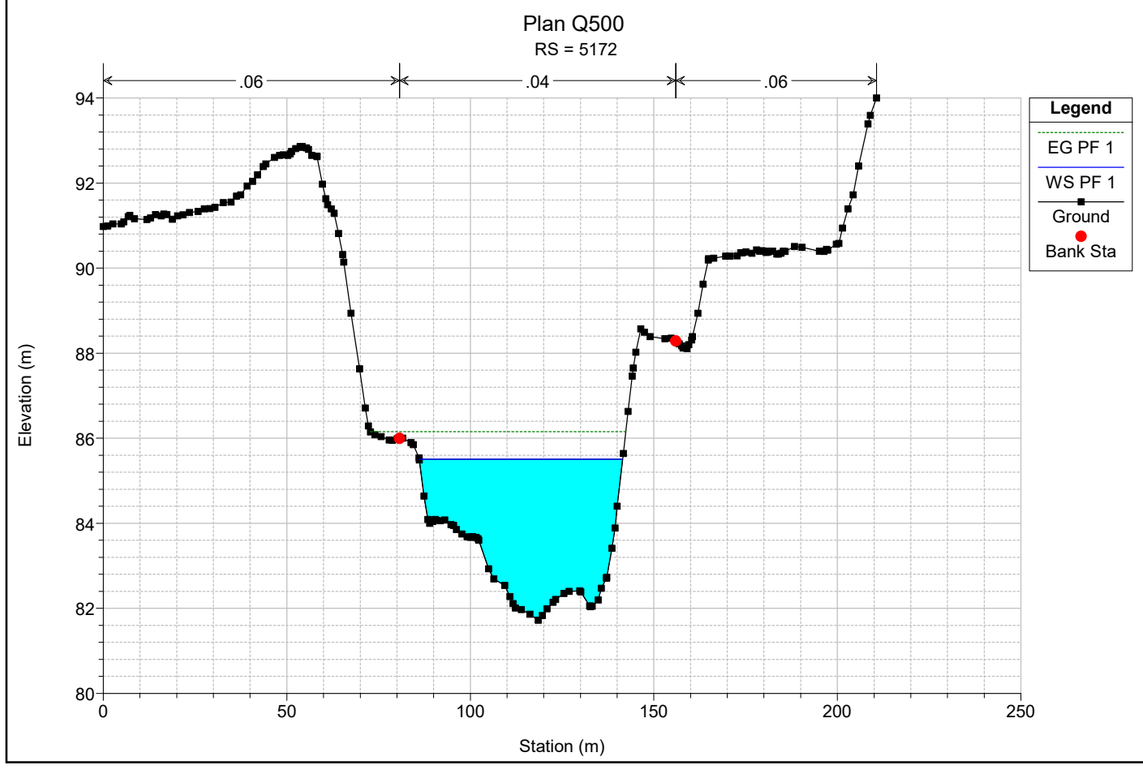

Plan Q500
RS = 5317
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

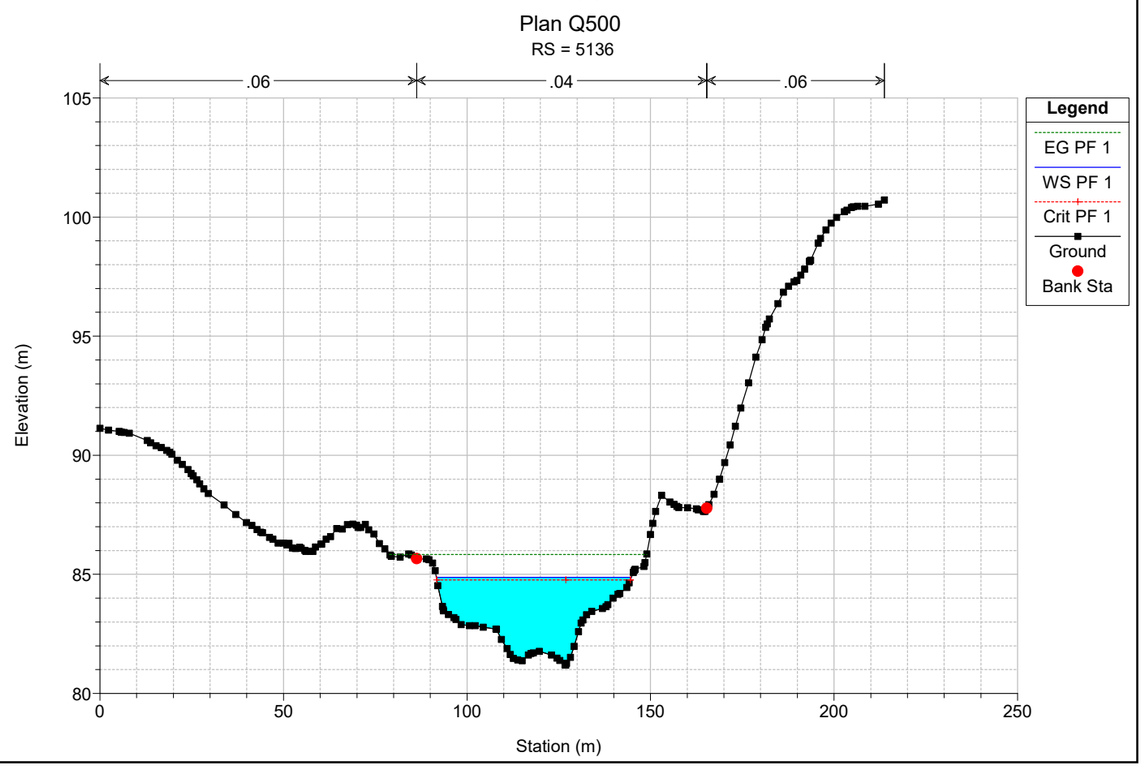

Plan Q500
RS = 5289
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

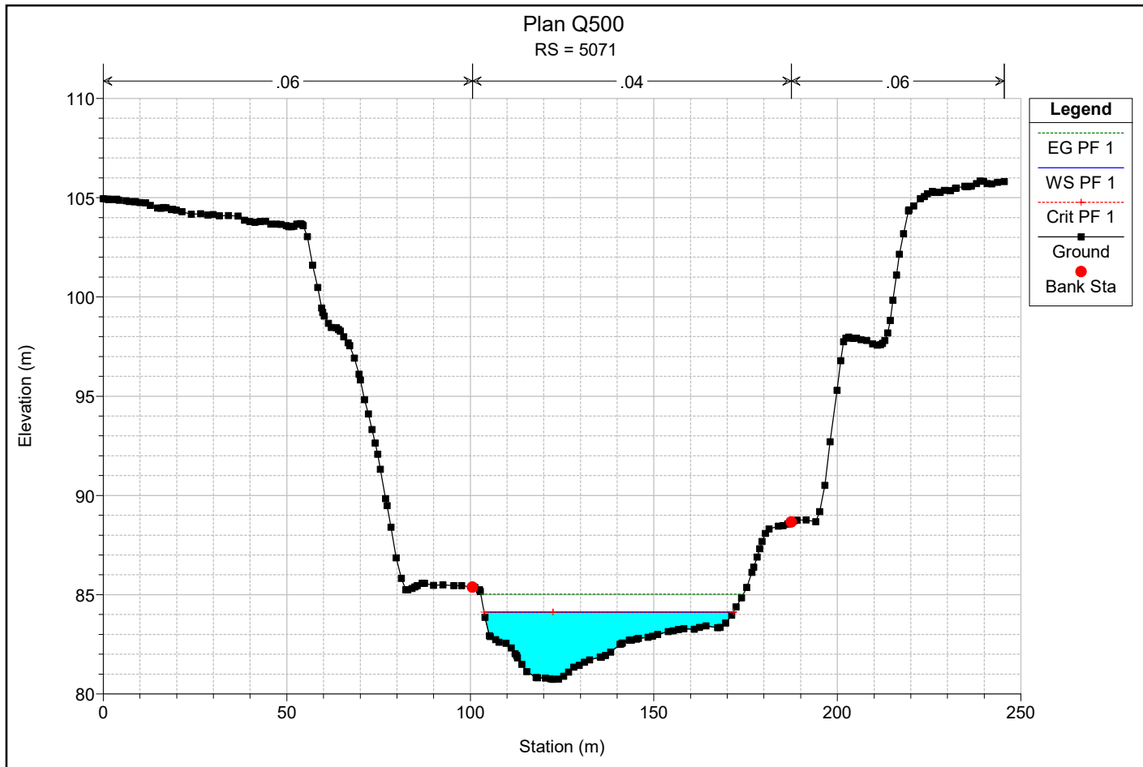

Plan Q500
RS = 5261
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

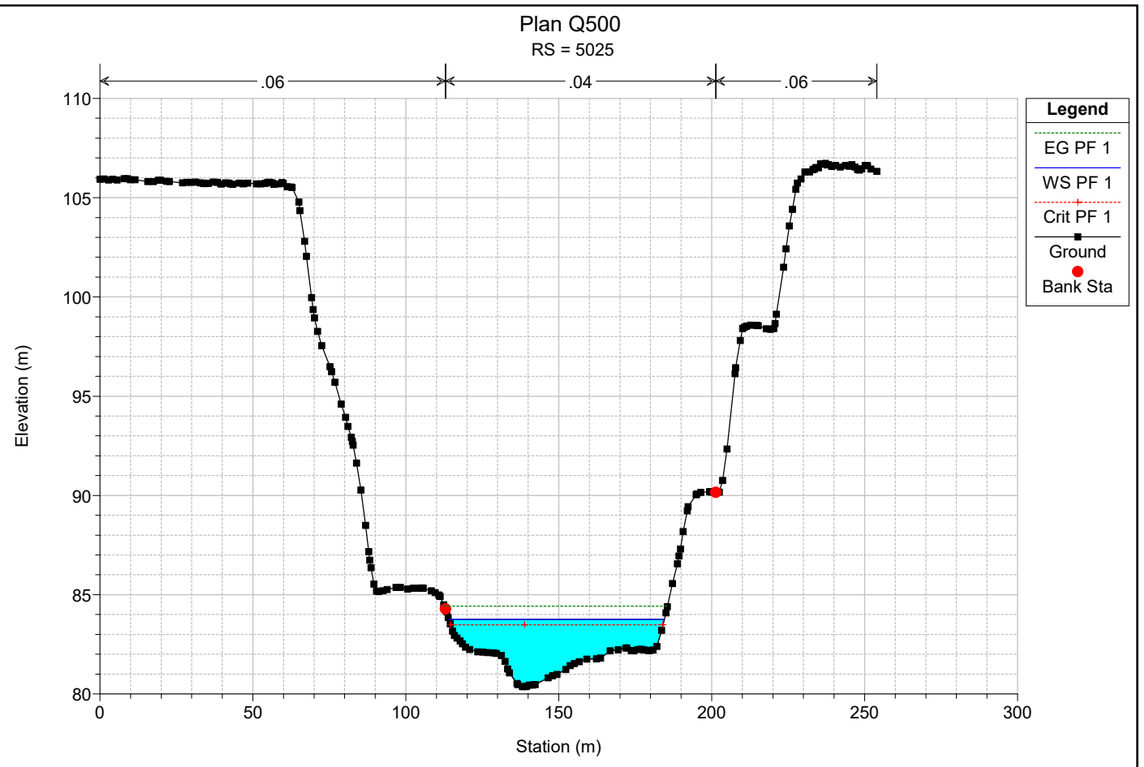

Plan Q500
RS = 5231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

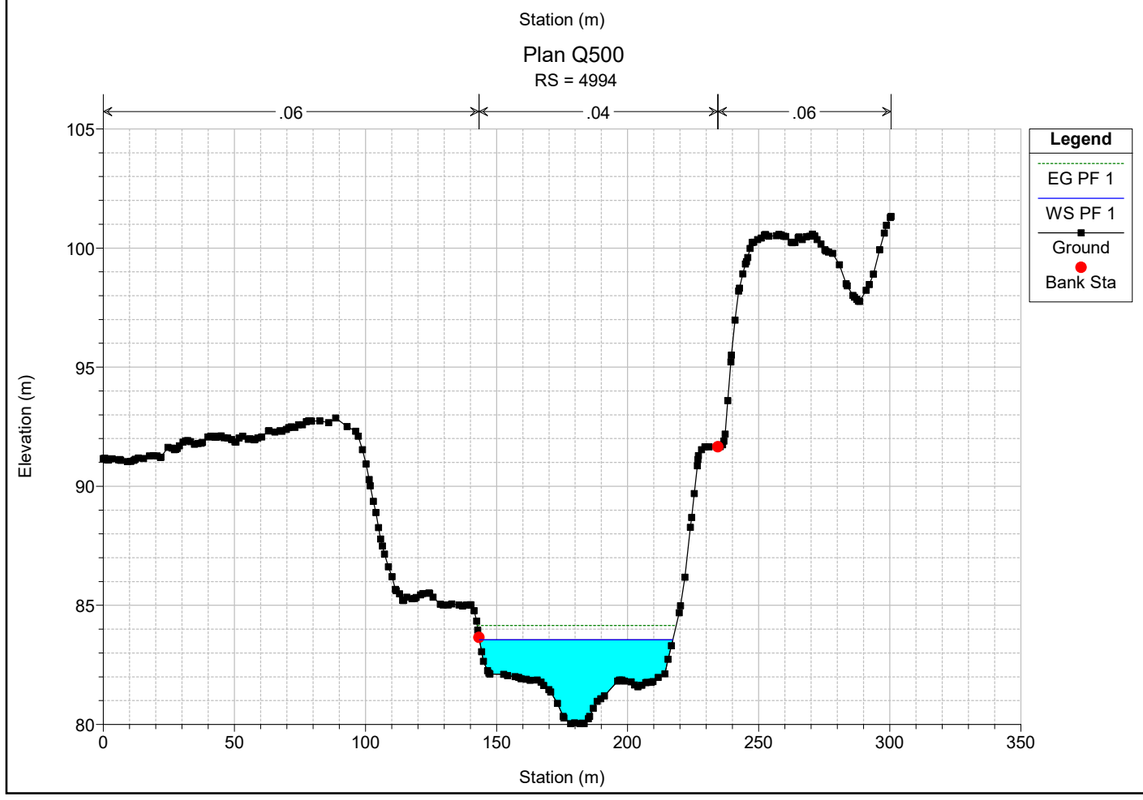

Plan Q500
RS = 5201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

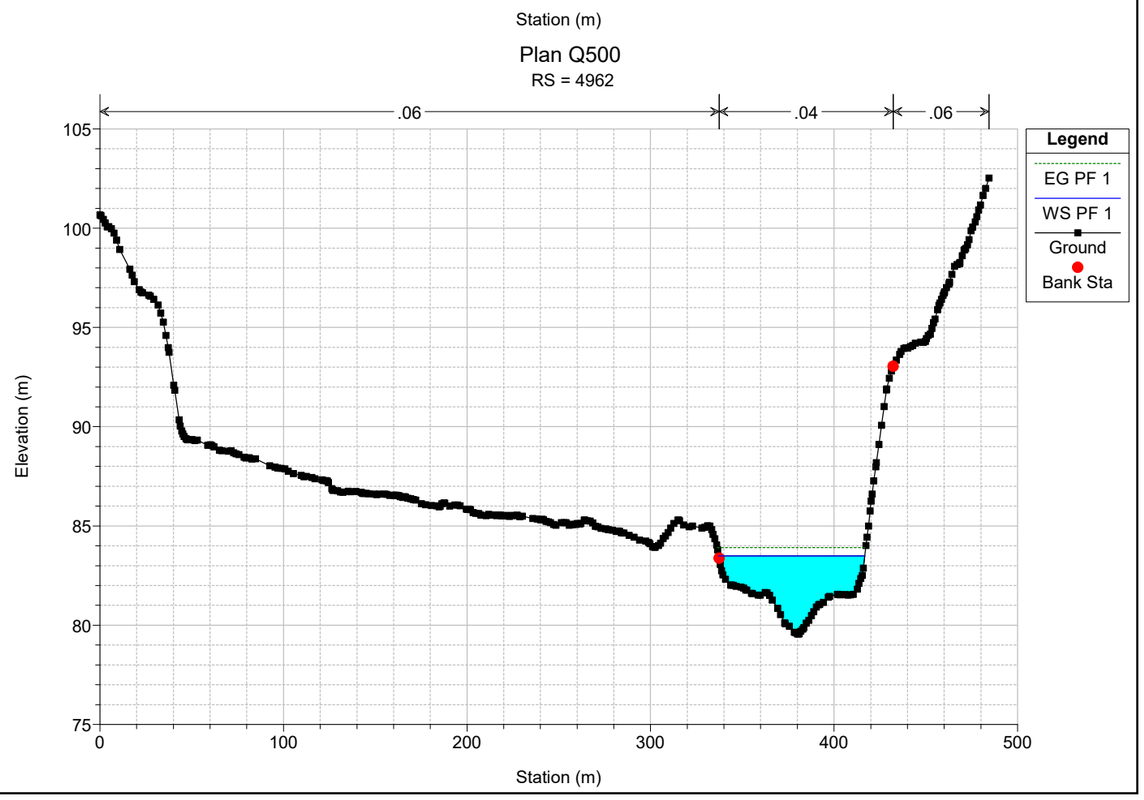

Plan Q500
RS = 5172
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

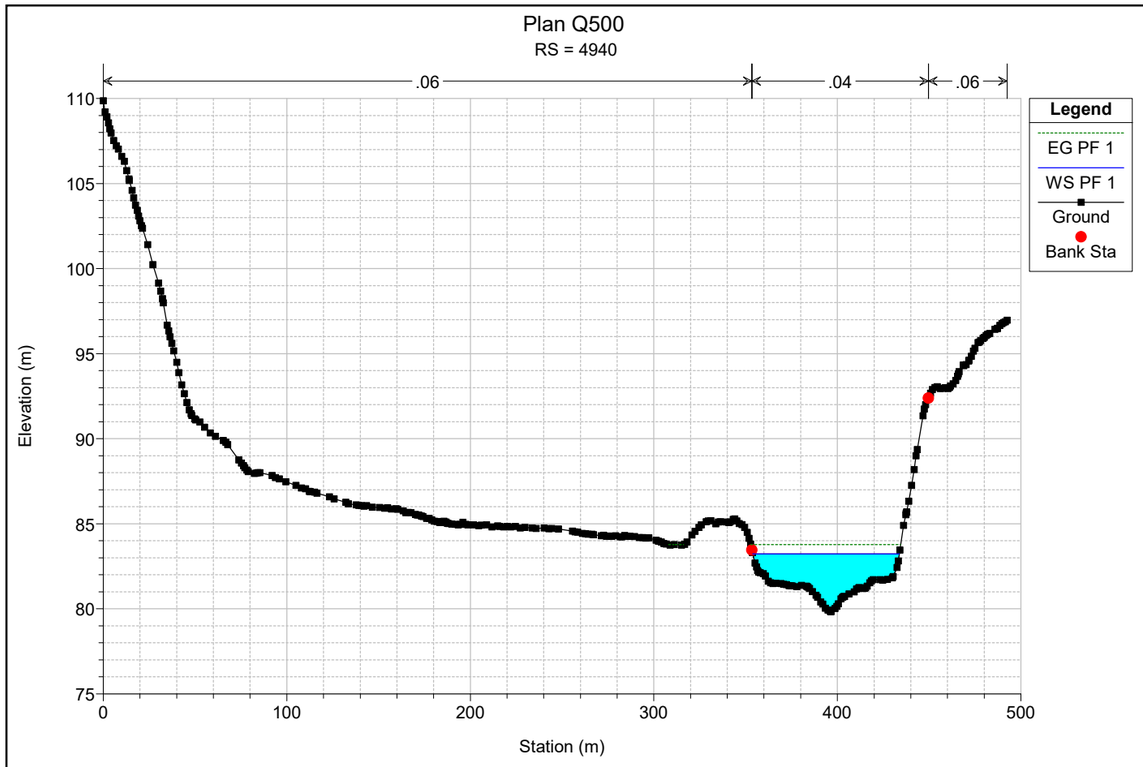

Plan Q500
RS = 5136
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

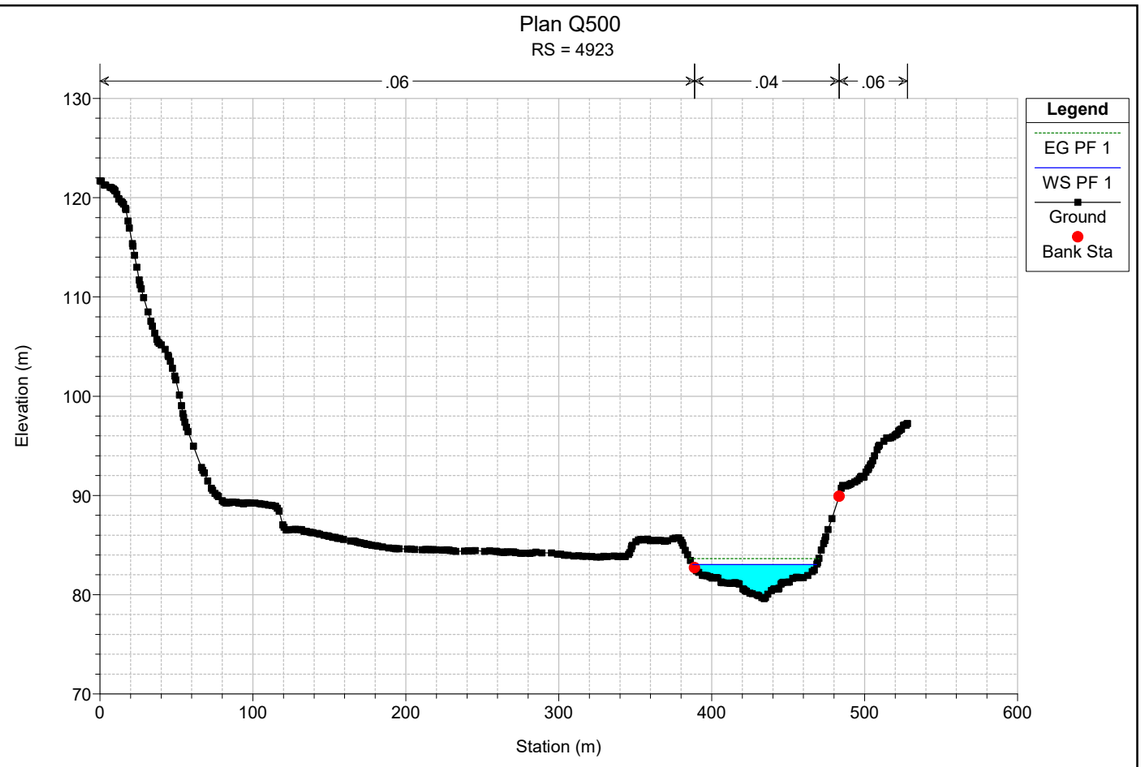

Plan Q500
RS = 5071
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

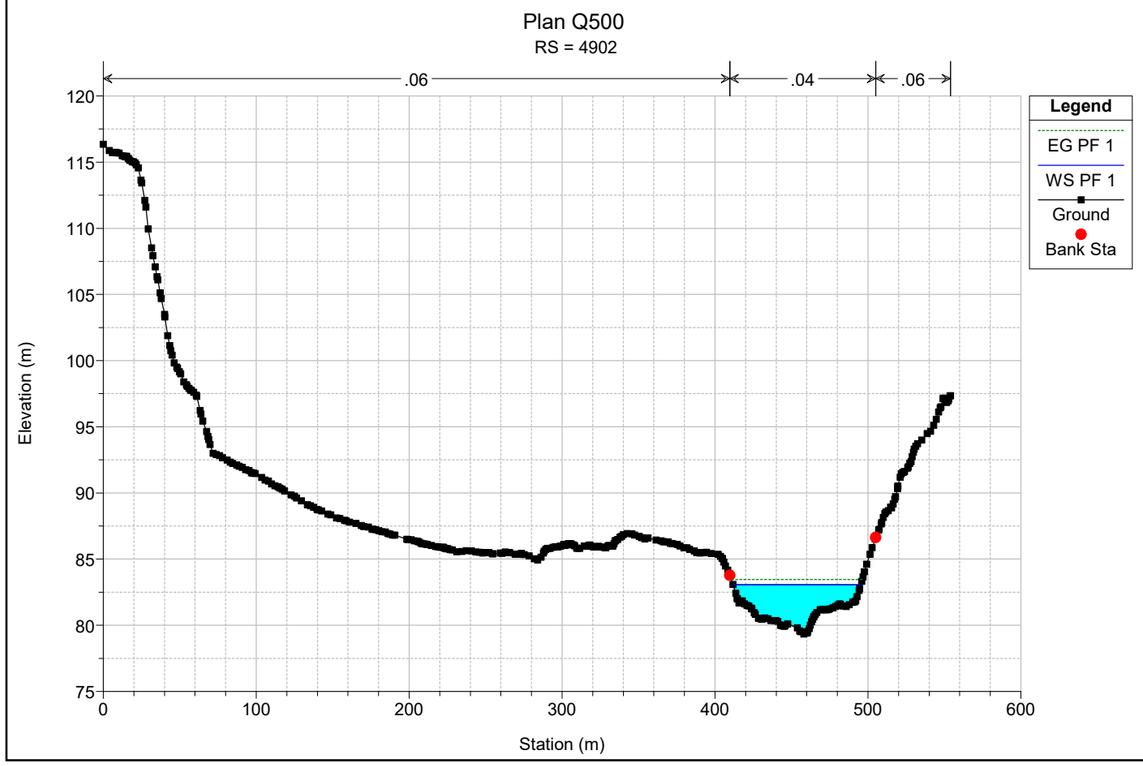

Plan Q500
RS = 5025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

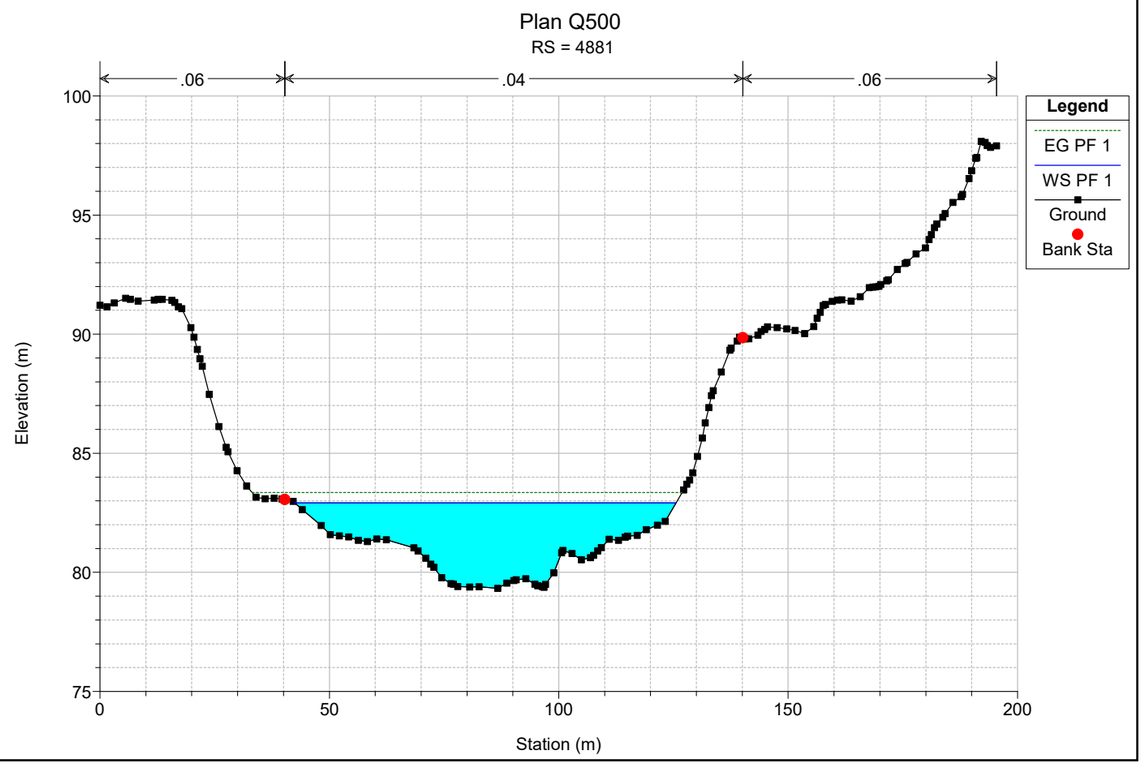

Plan Q500
RS = 4994
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

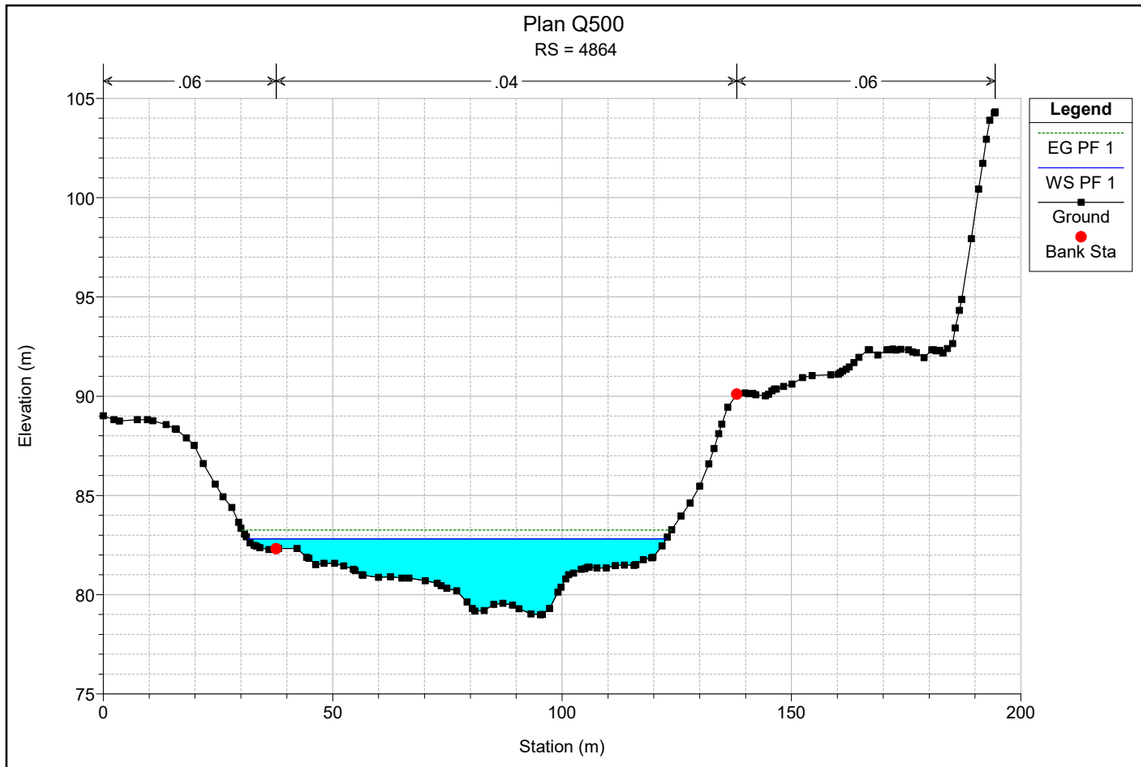

Plan Q500
RS = 4962
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

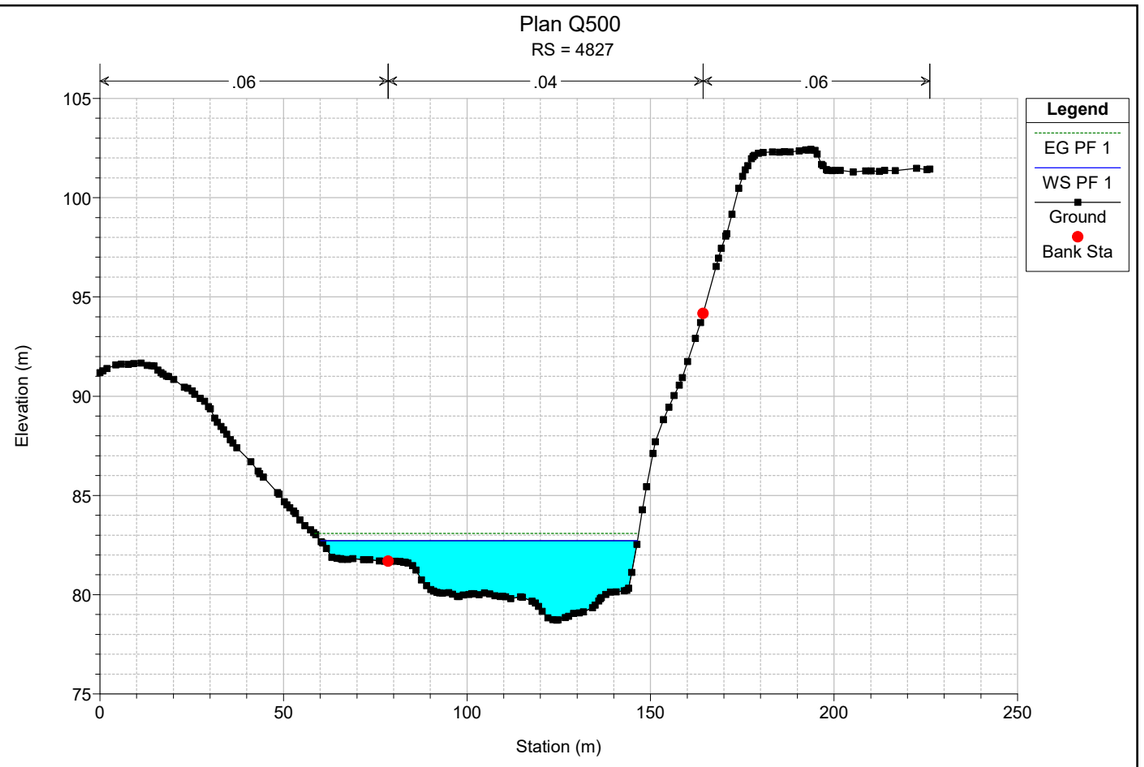

Plan Q500
RS = 4940
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
75
0
100
200
300
400
500

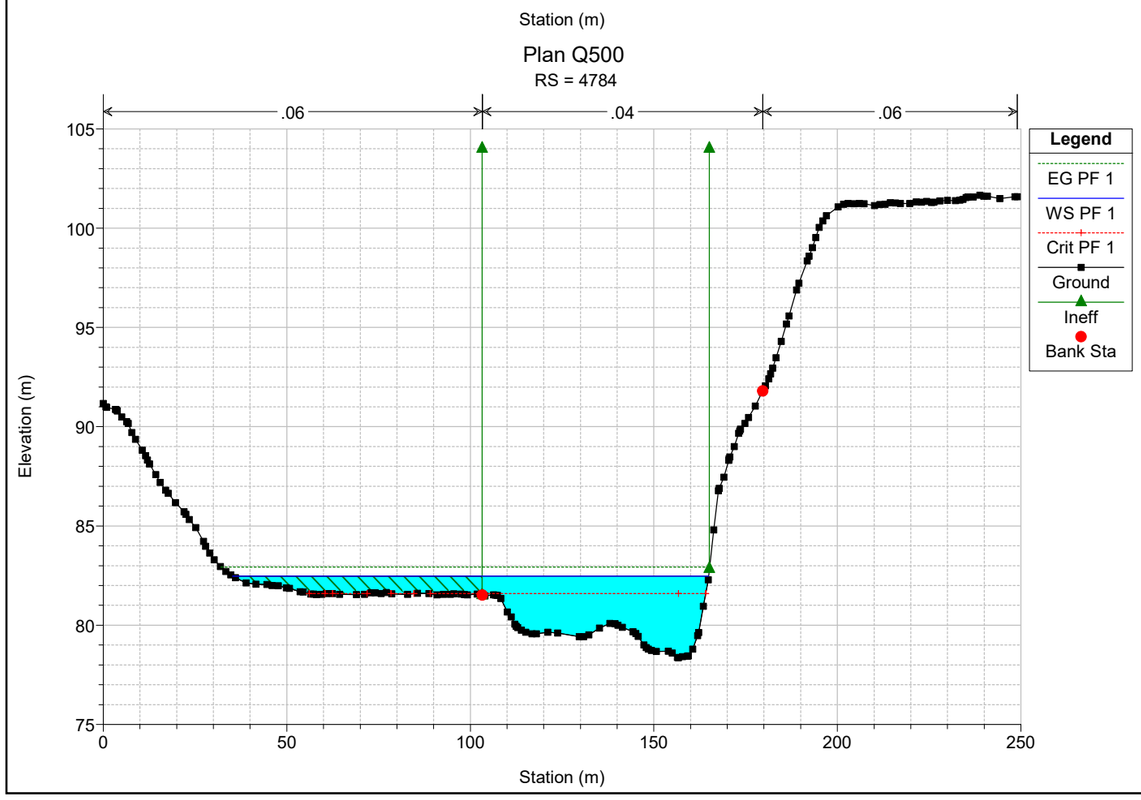

Plan Q500
RS = 4923
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
130
120
110
100
90
80
70
0
100
200
300
400
500
600

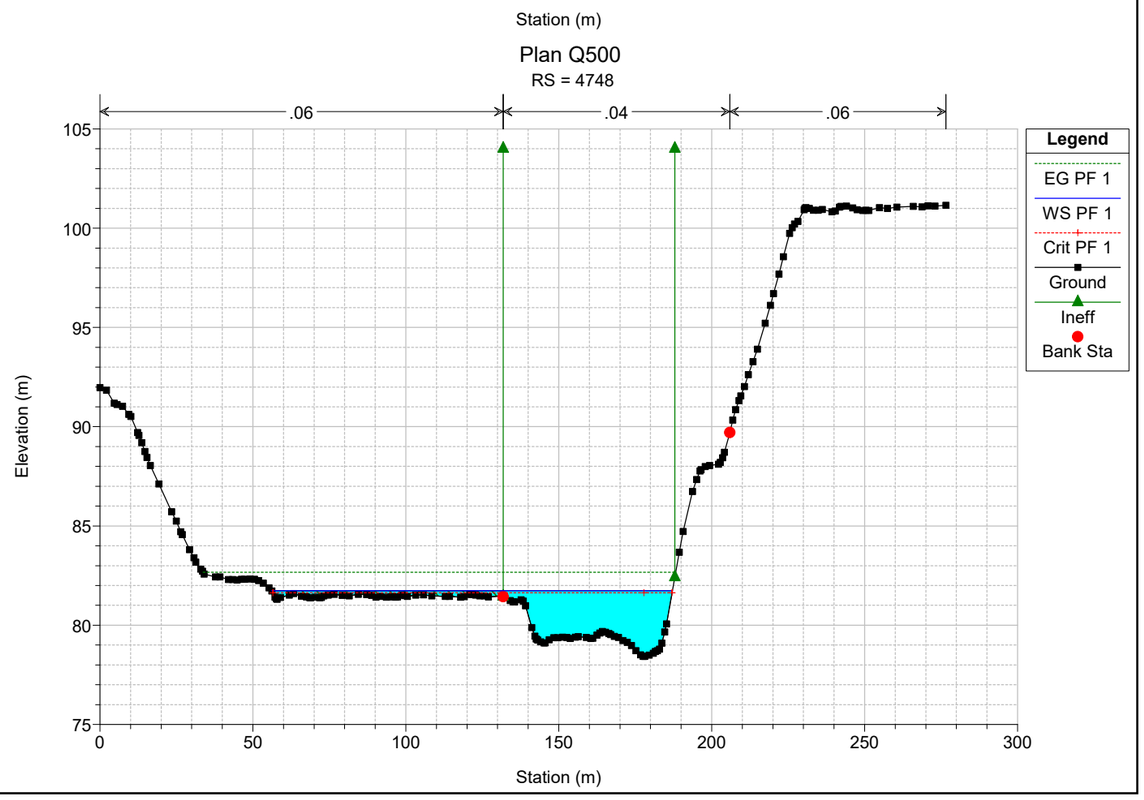

Plan Q500
RS = 4902
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
120
115
110
105
100
95
90
85
80
75
0
100
200
300
400
500
600

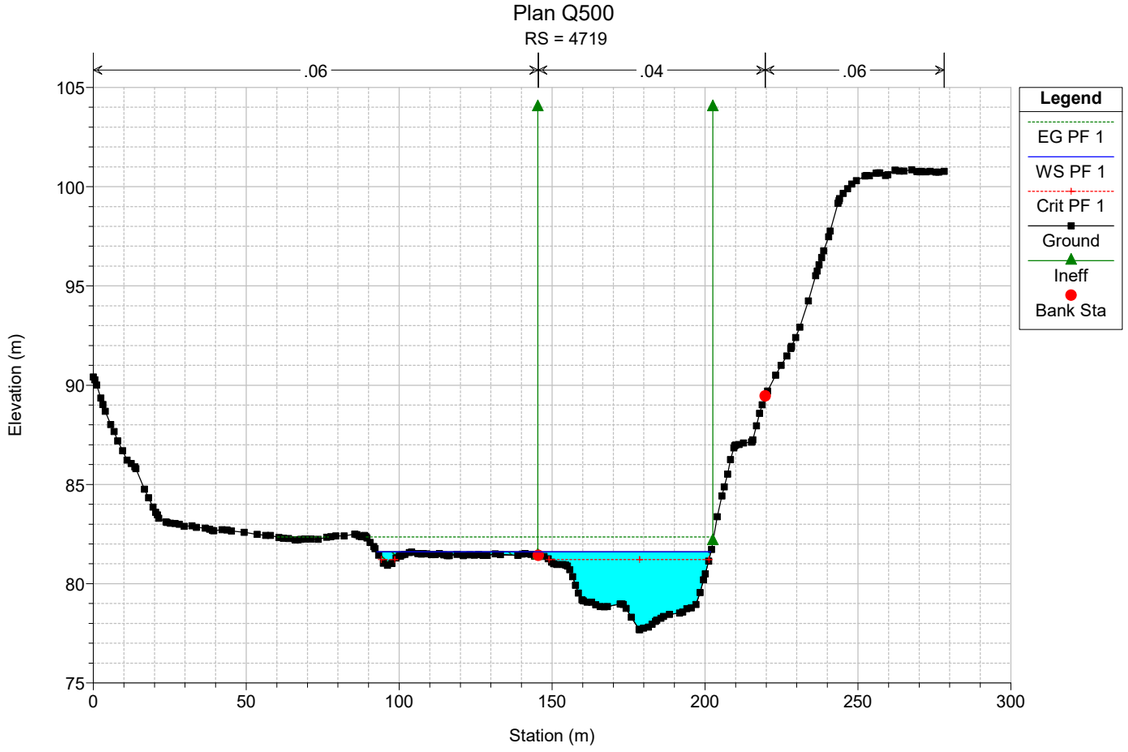

Plan Q500
RS = 4881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
100
95
90
85
80
75
0
50
100
150
200

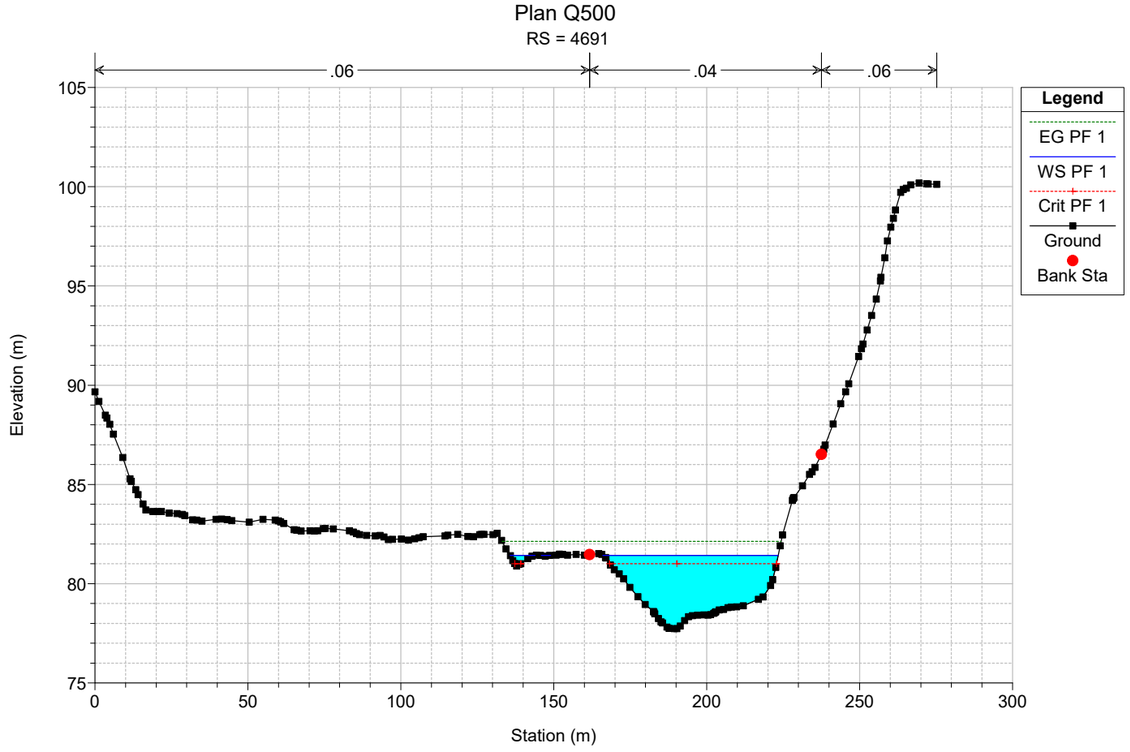

Plan Q500
RS = 4864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

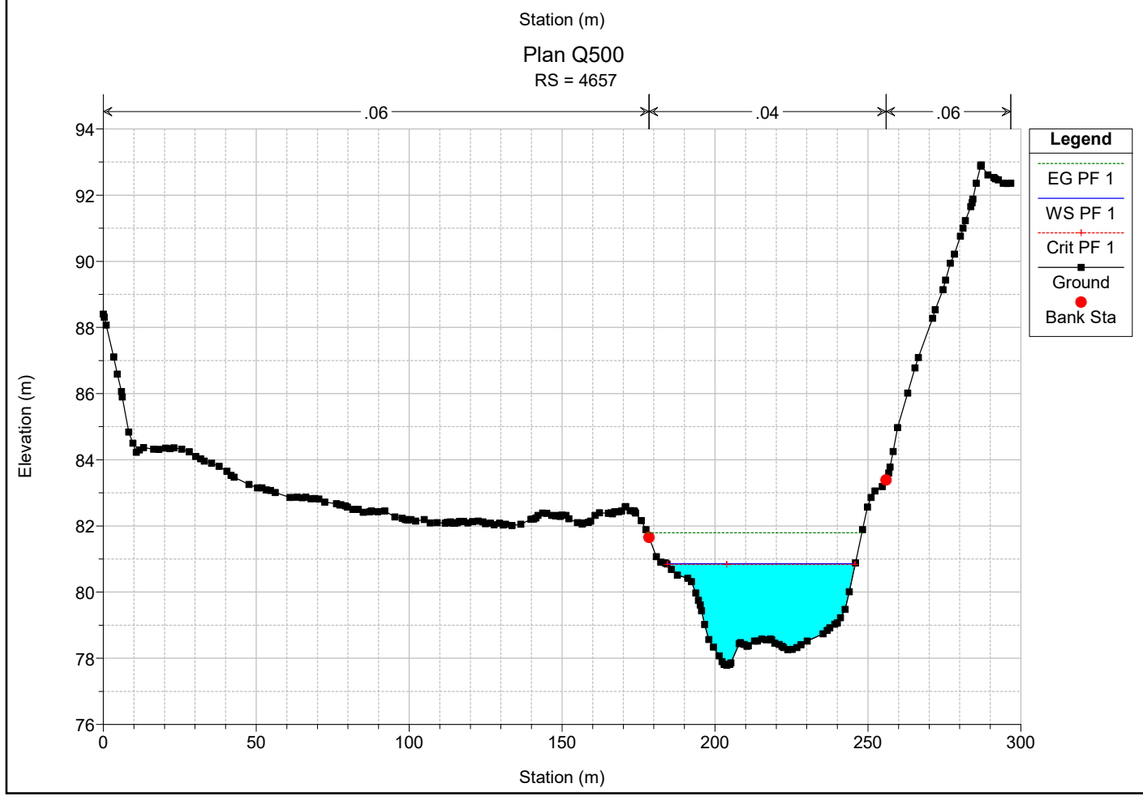

Plan Q500
RS = 4827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

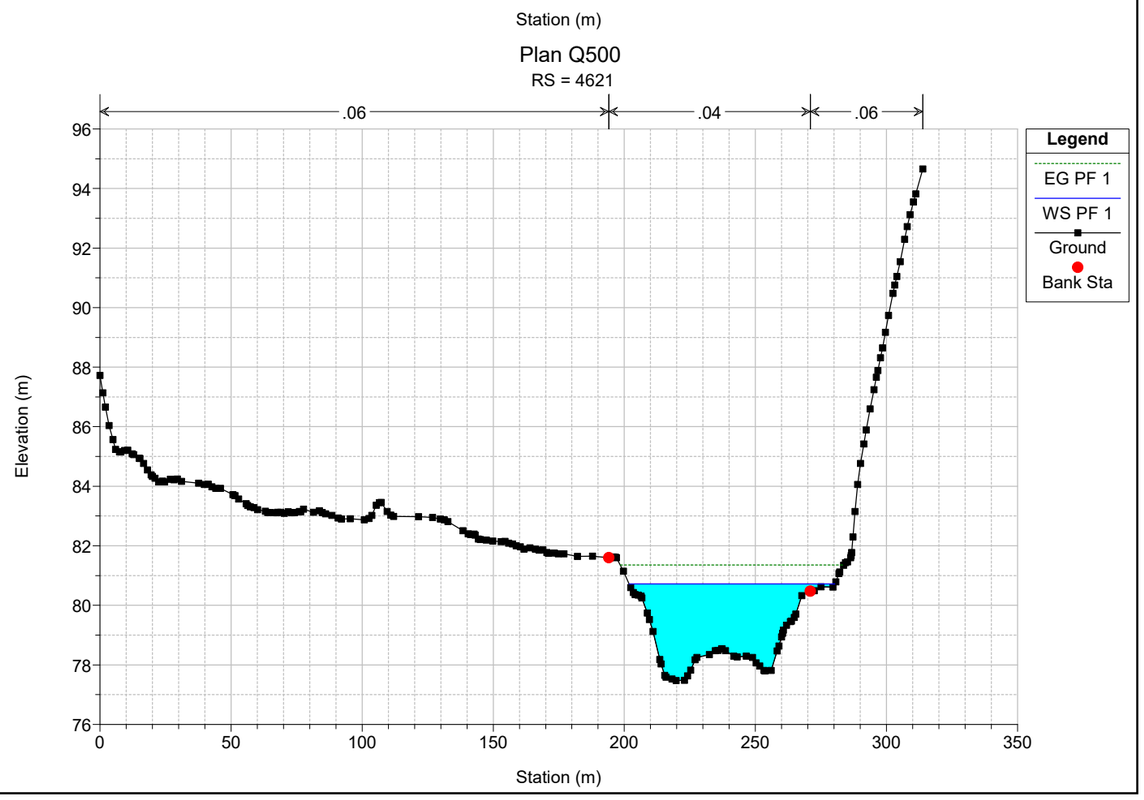

Plan Q500
RS = 4784
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

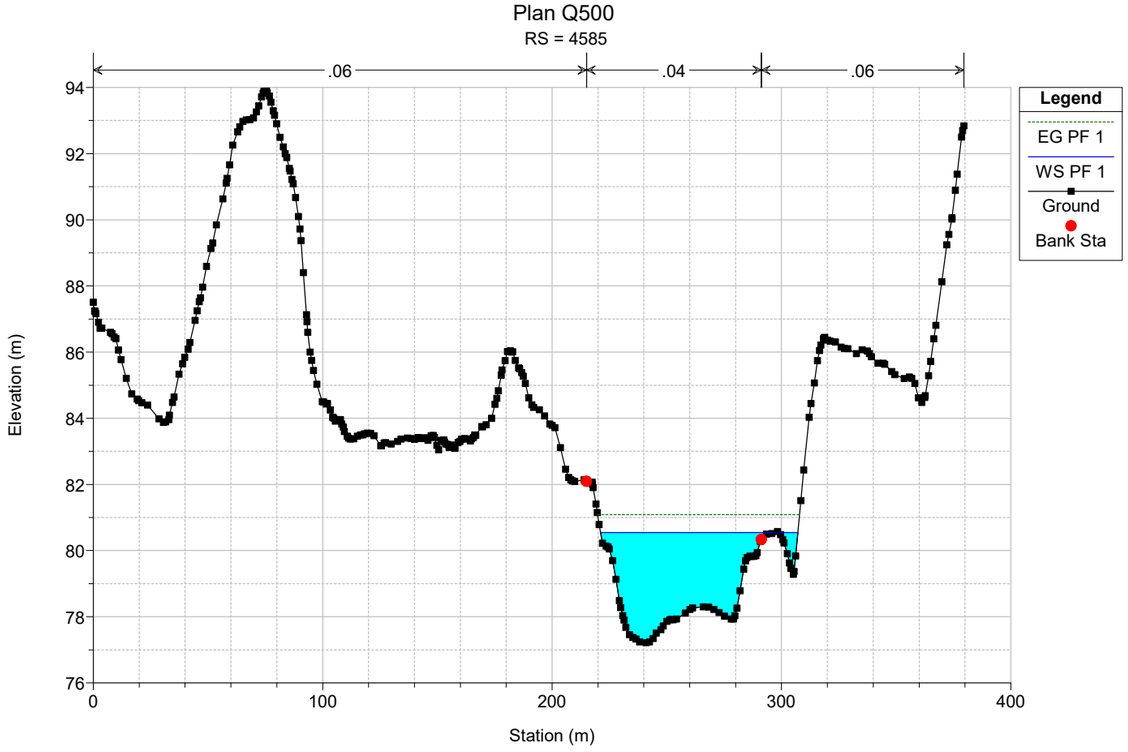

Plan Q500
RS = 4748
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

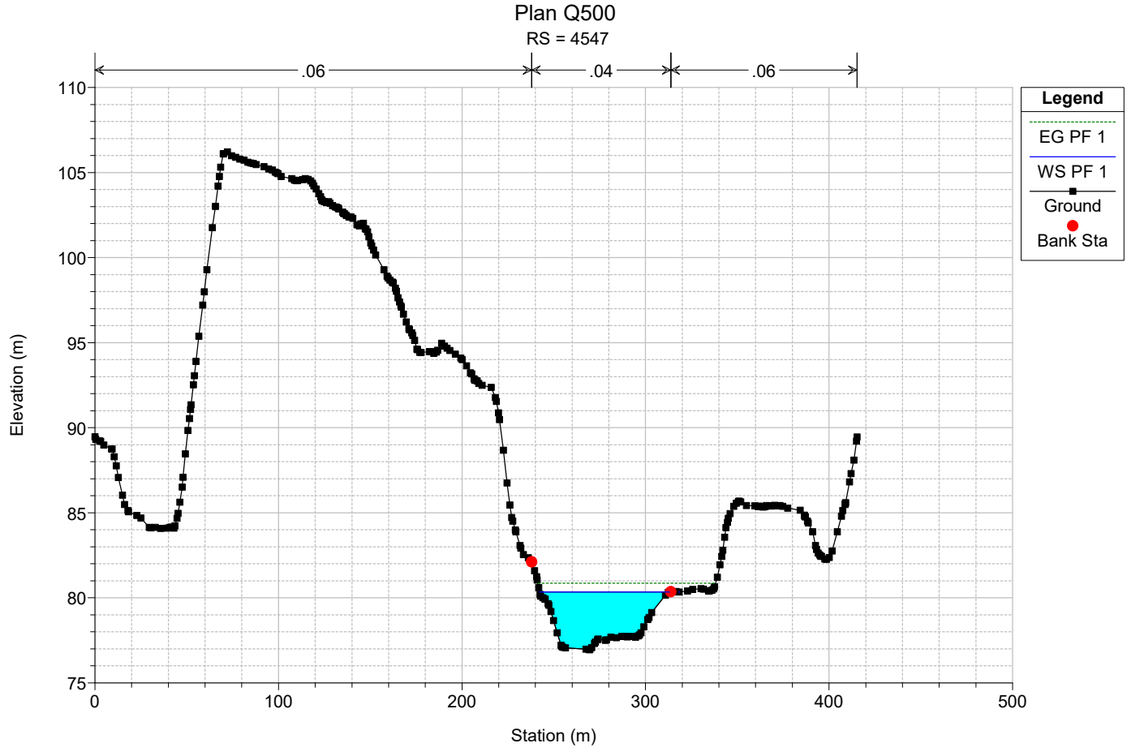

Plan Q500
RS = 4719
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

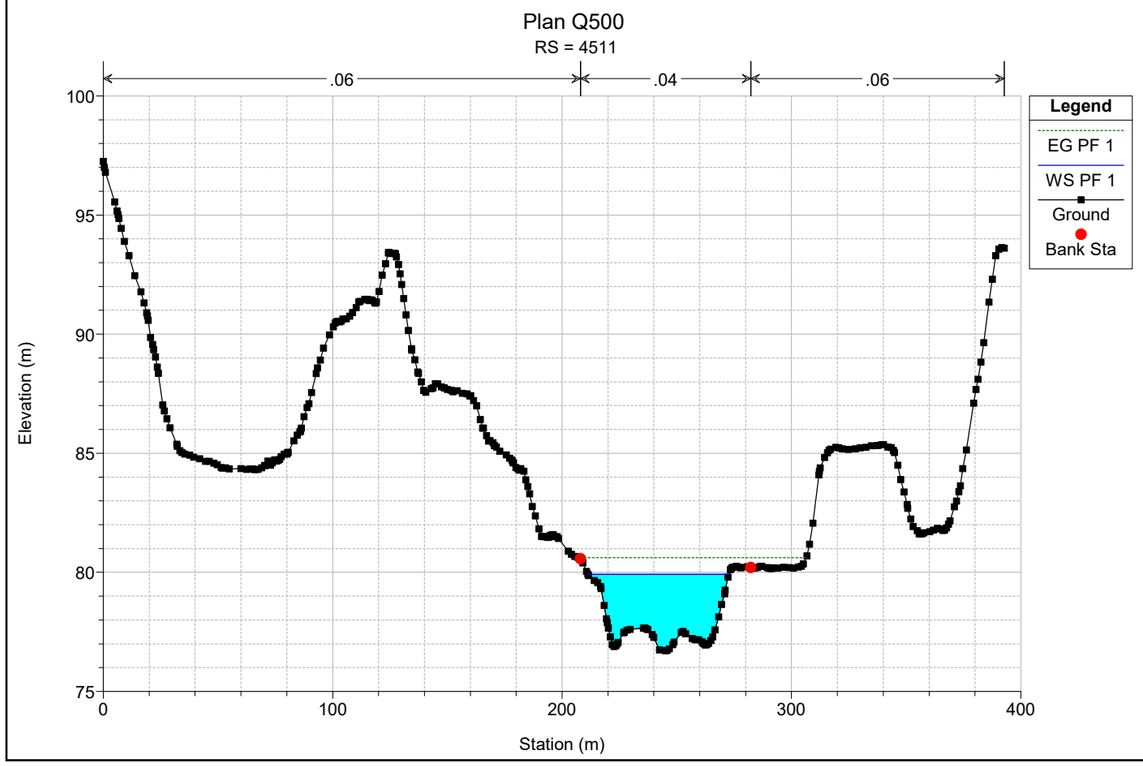

Plan Q500
RS = 4691
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

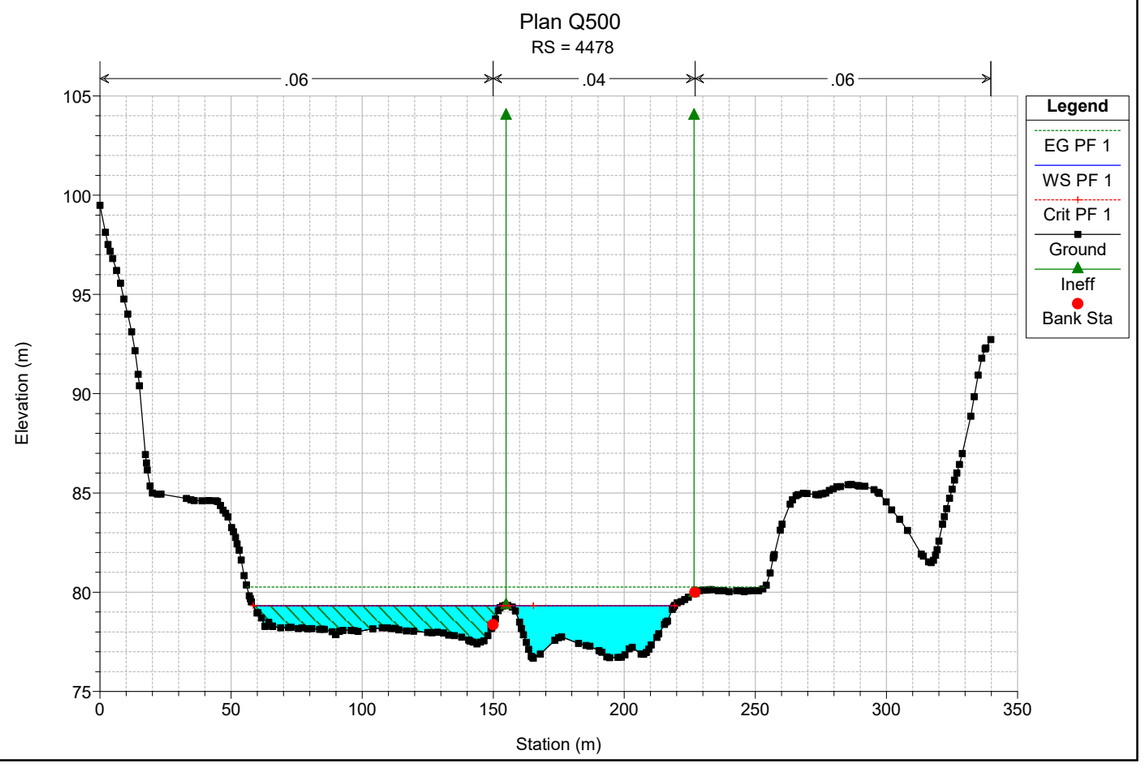

Plan Q500
RS = 4657
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

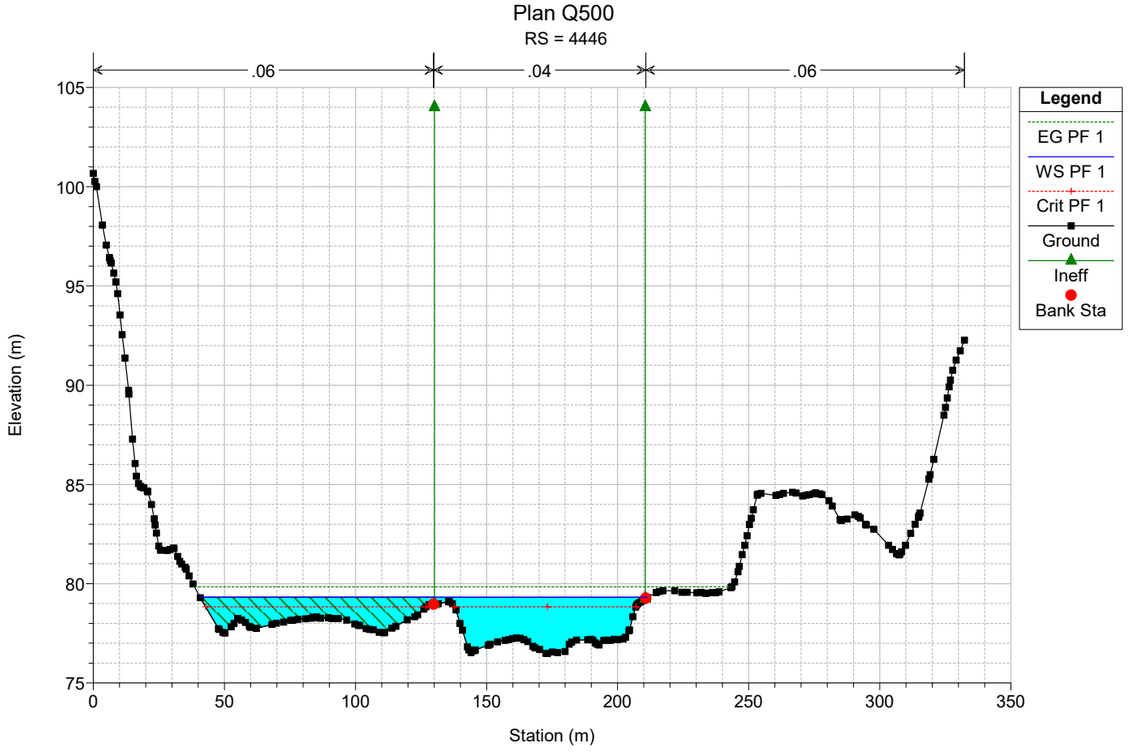

Plan Q500
RS = 4621
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

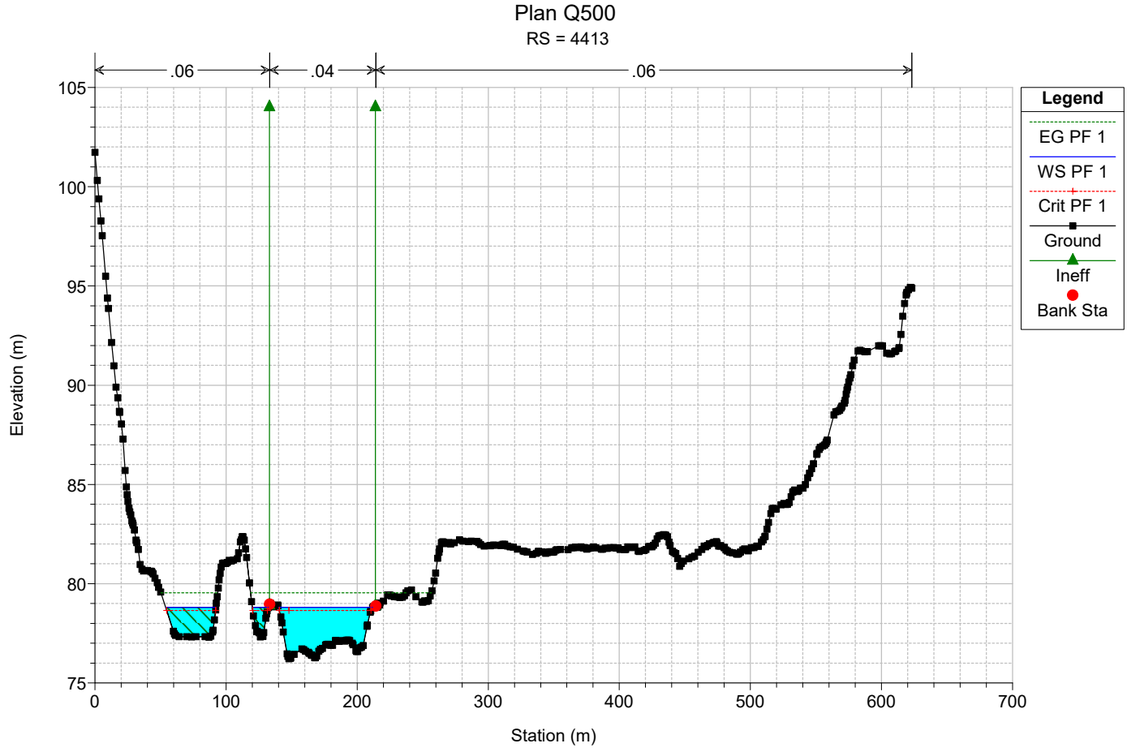

Plan Q500
RS = 4585
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
94
92
90
88
86
84
82
80
78
76
0
100
200
300
400

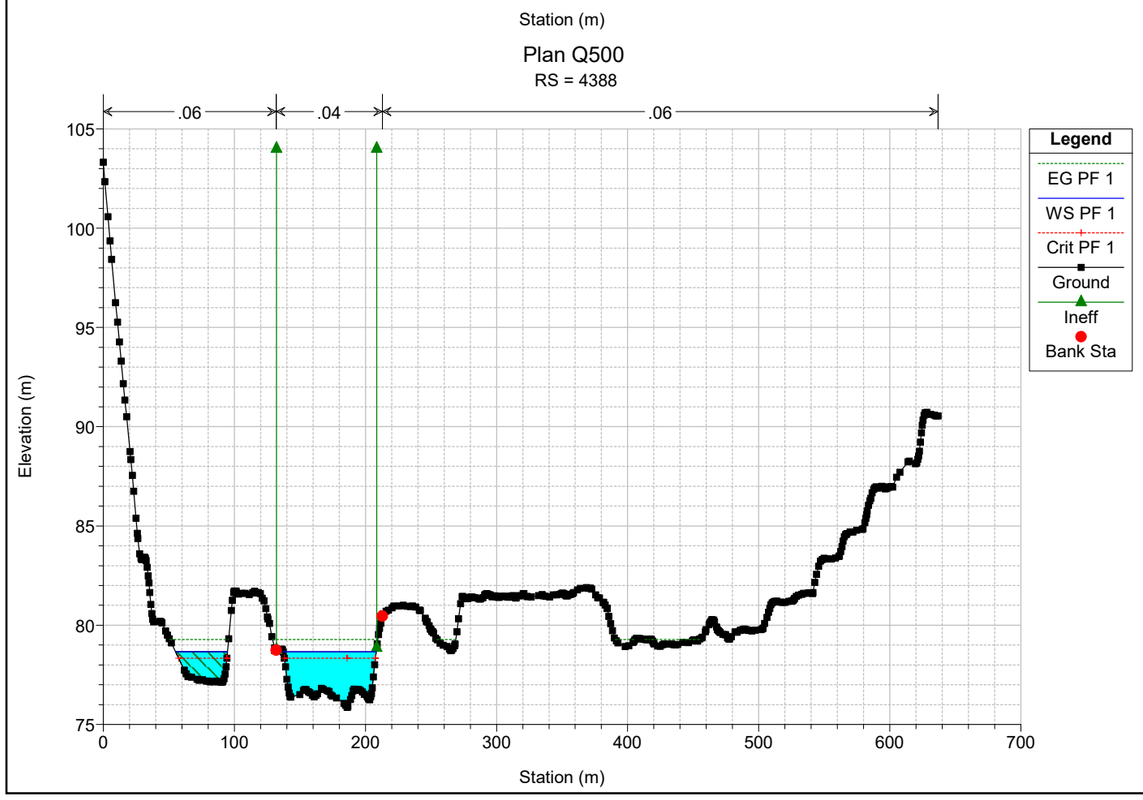

Plan Q500
RS = 4547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
110
105
100
95
90
85
80
75
0
100
200
300
400
500

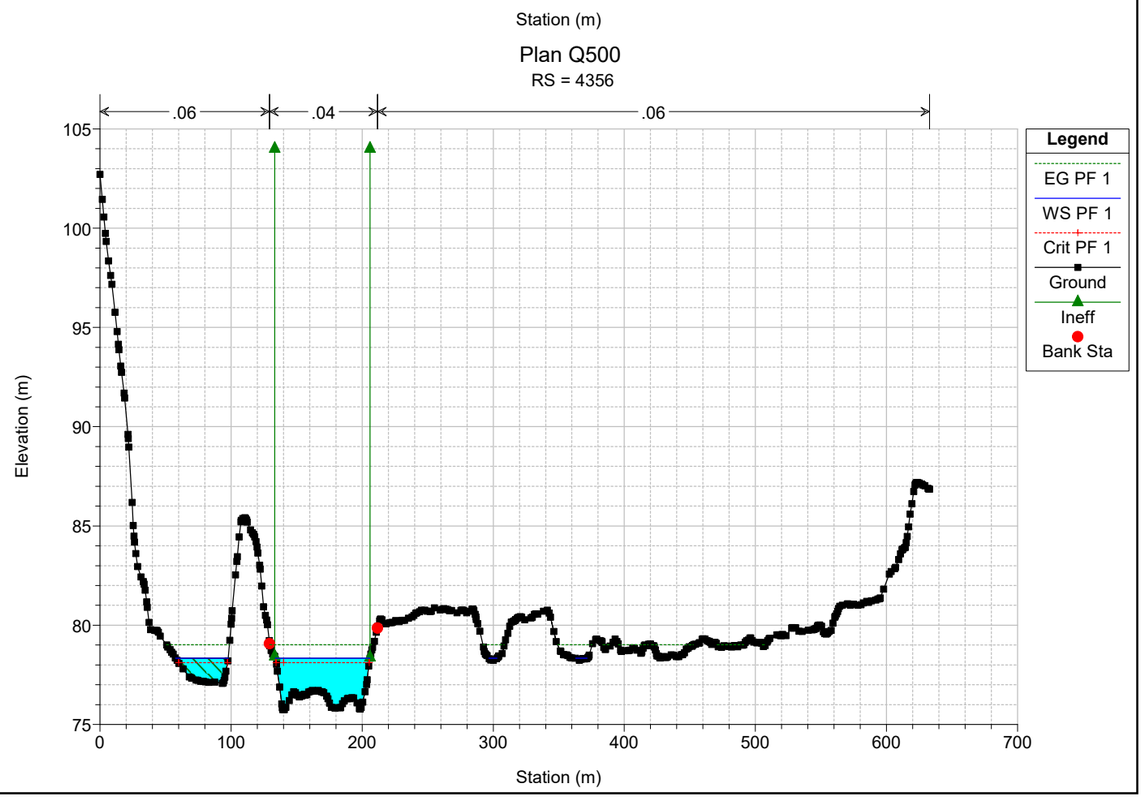

Plan Q500
RS = 4511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
100
95
90
85
80
75
0
100
200
300
400

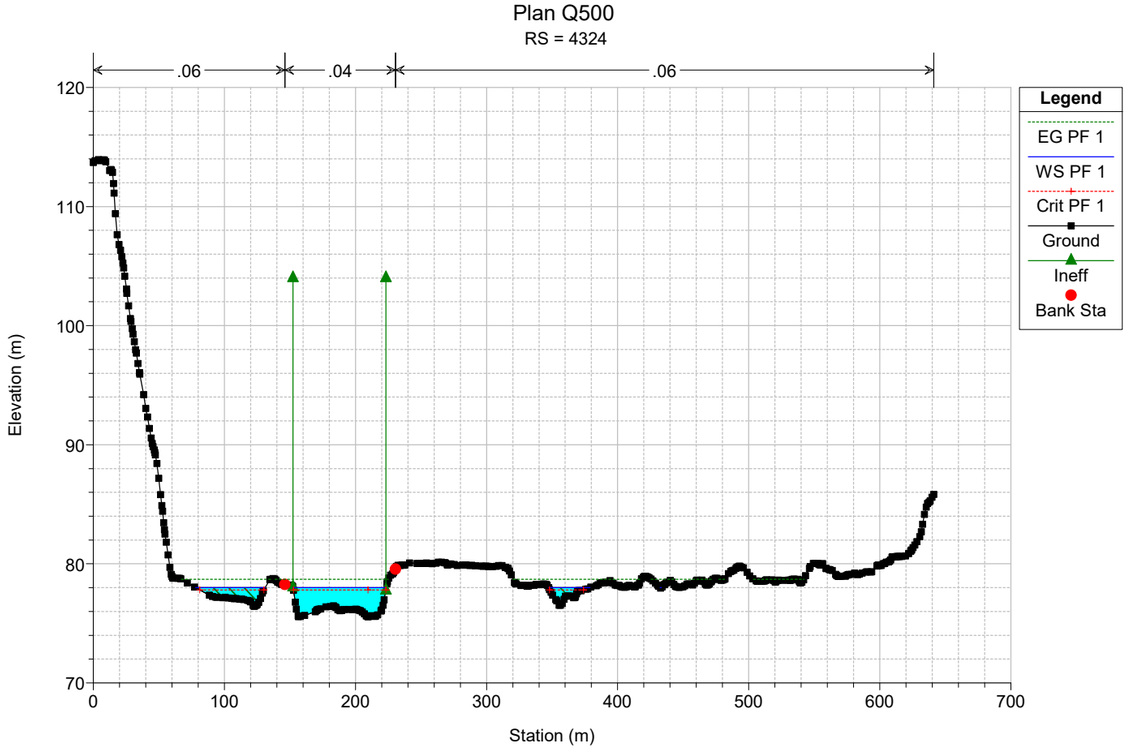

Plan Q500
RS = 4478
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
50
100
150
200
250
300
350

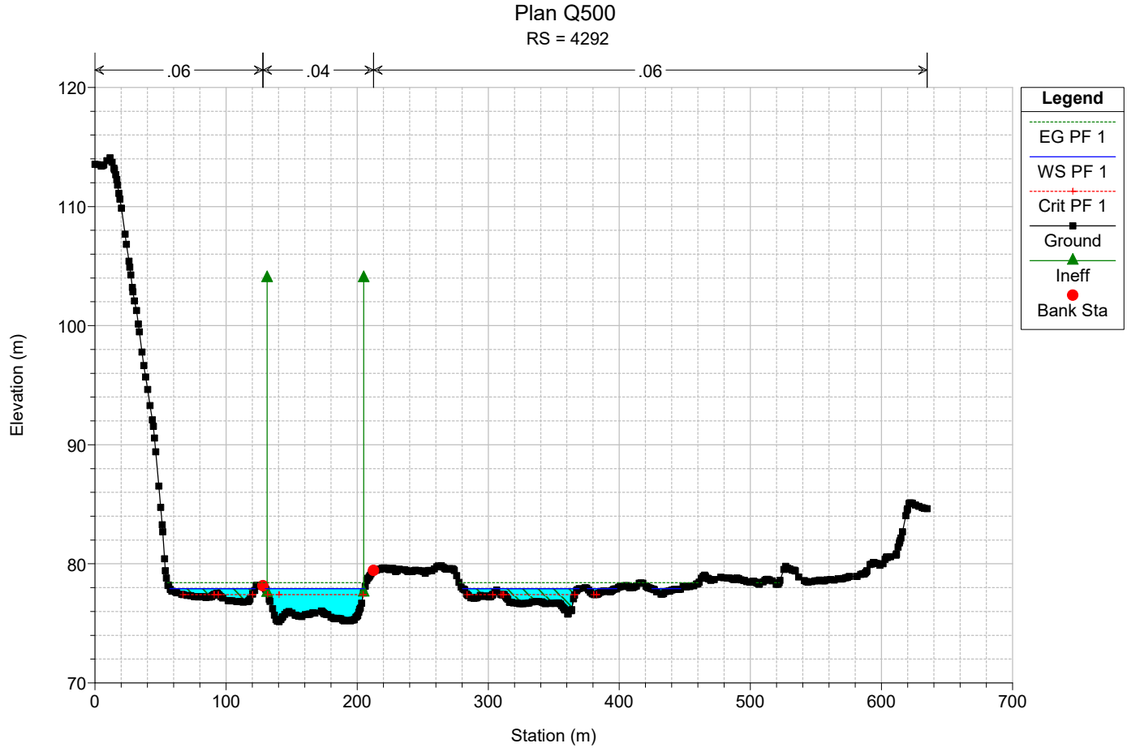

Plan Q500
RS = 4446
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
50
100
150
200
250
300
350

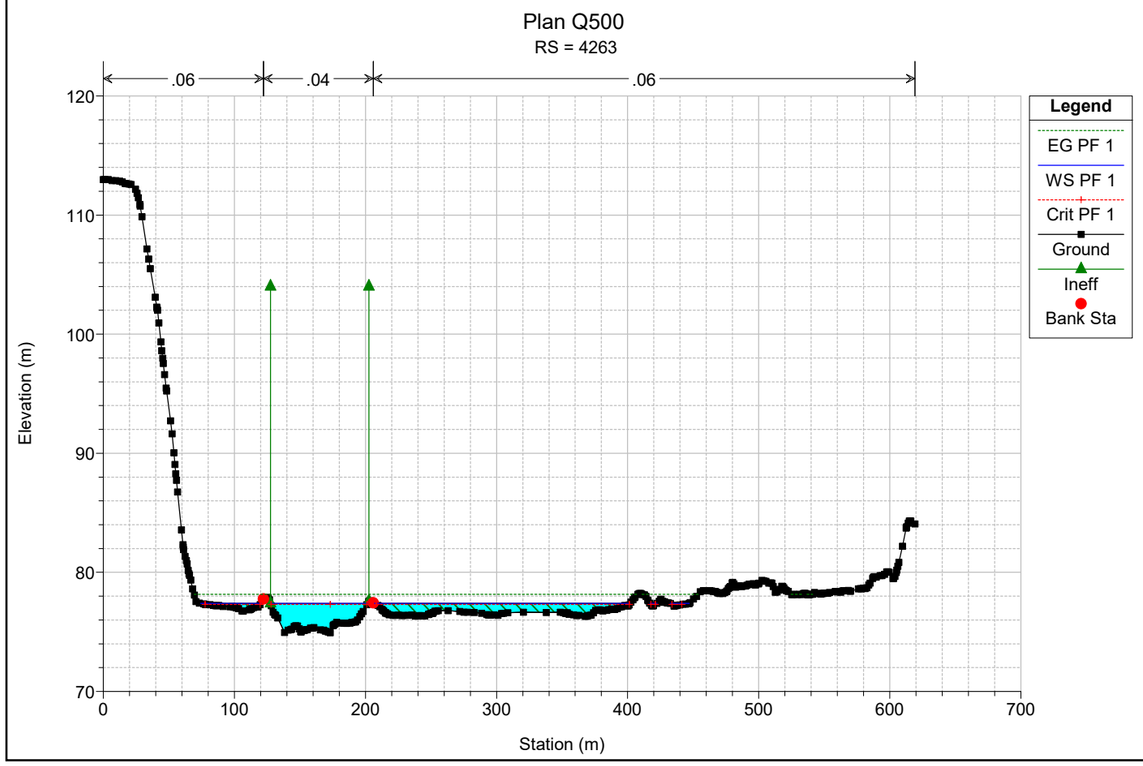

Plan Q500
RS = 4413
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
100
200
300
400
500
600
700

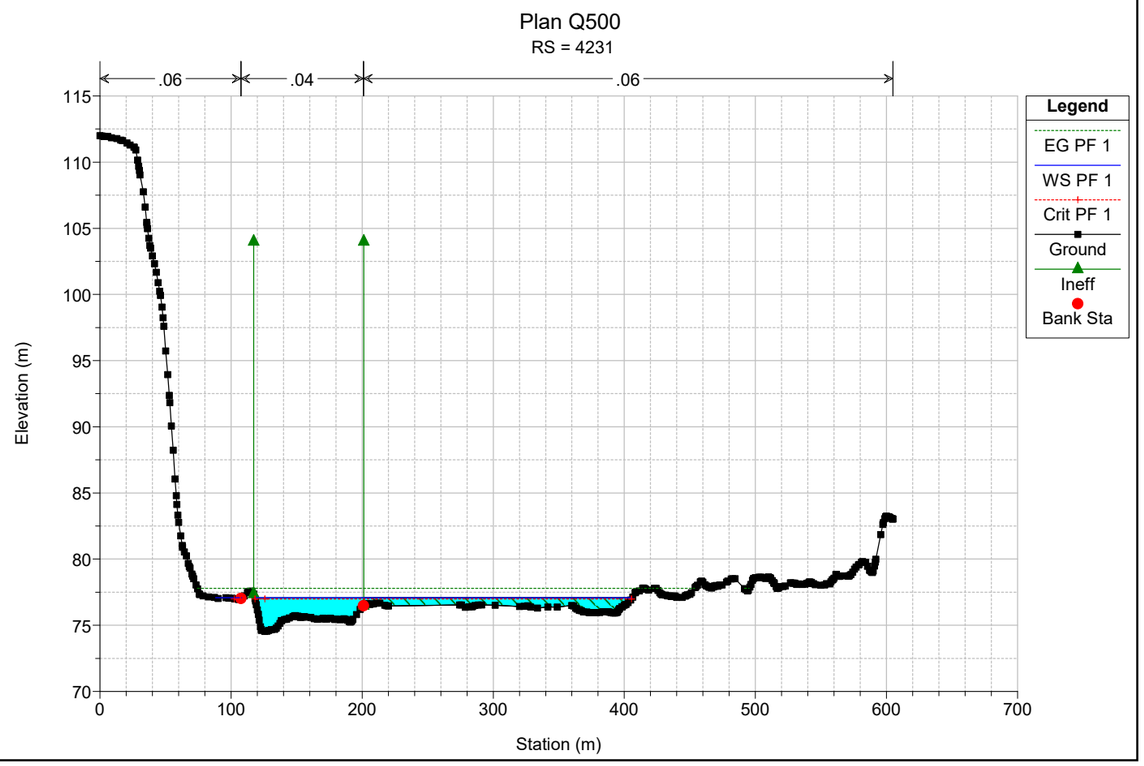

Plan Q500
RS = 4388
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
100
200
300
400
500
600
700

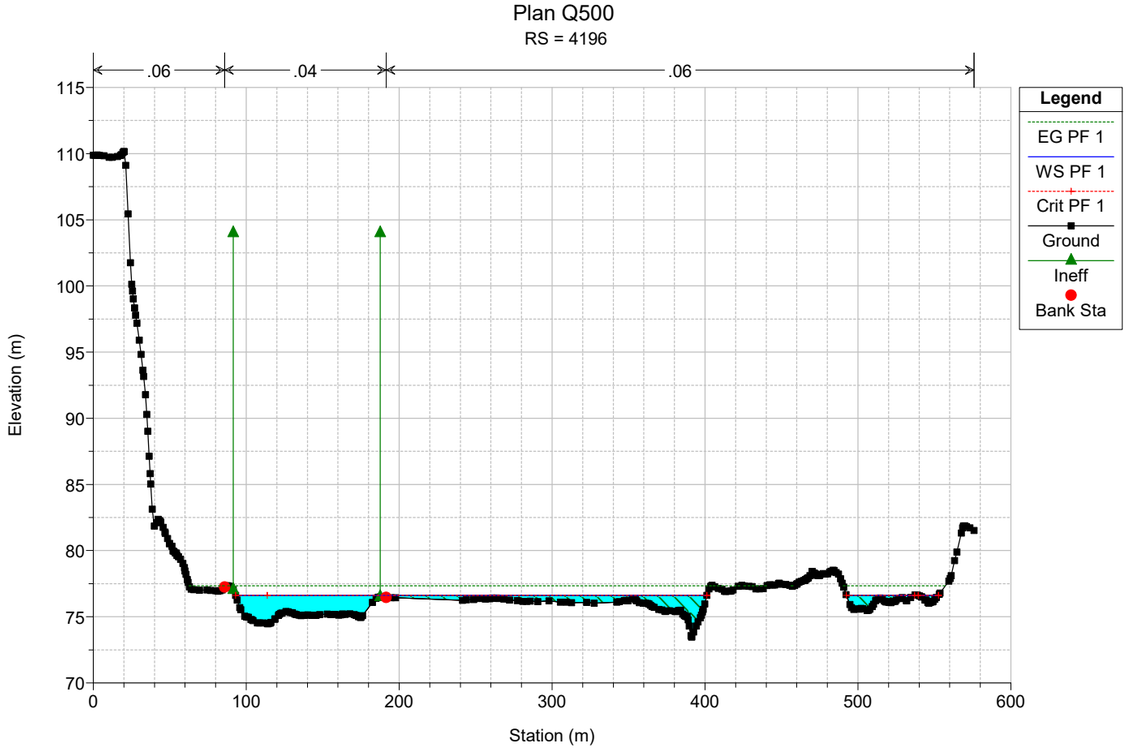

Plan Q500
RS = 4356
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
0
100
200
300
400
500
600
700

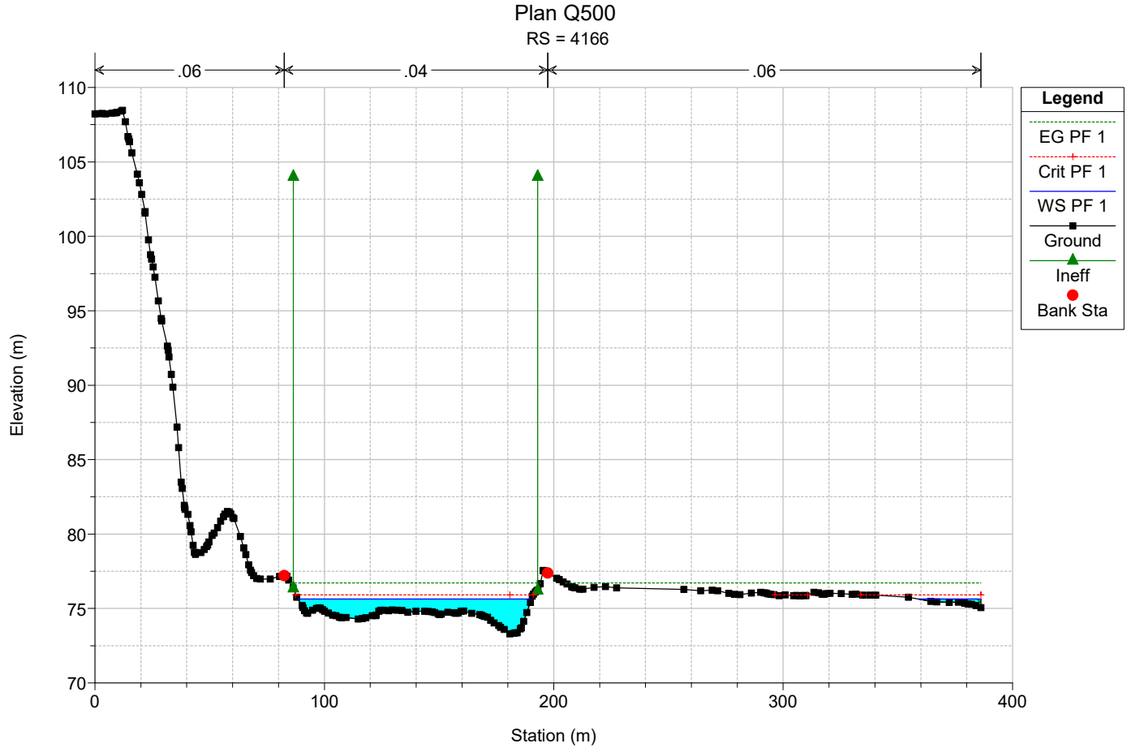

Plan Q500
RS = 4324
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

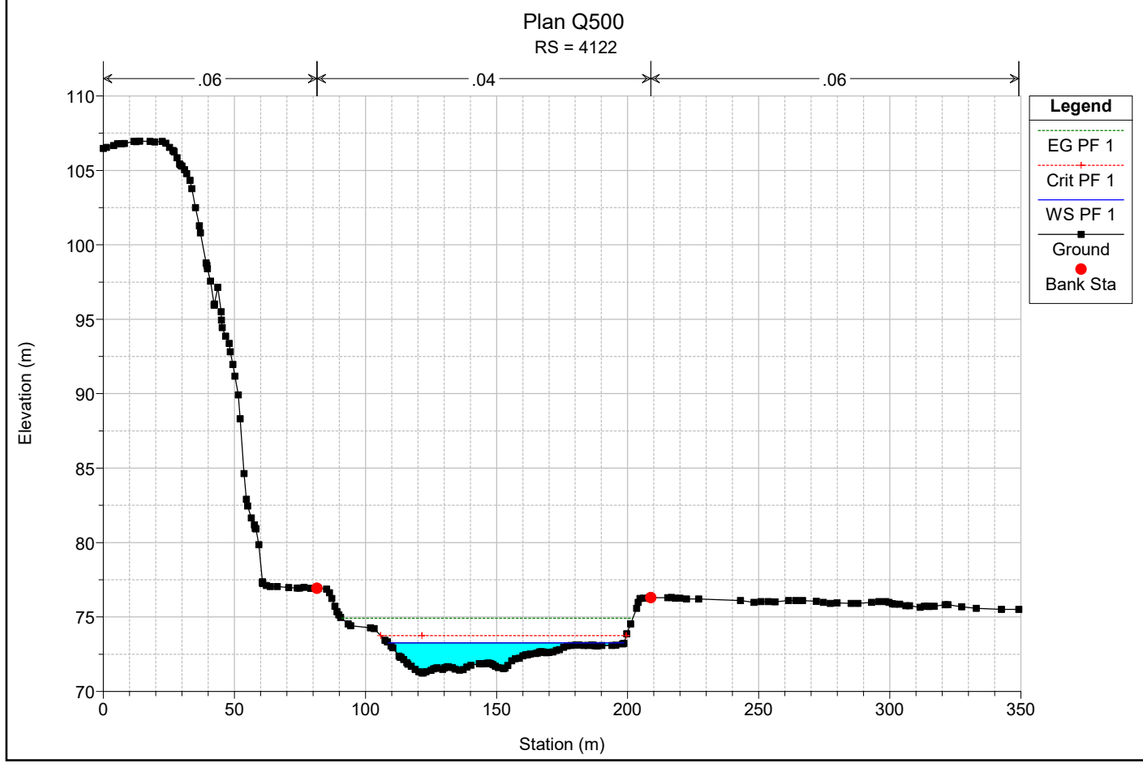

Plan Q500
RS = 4292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

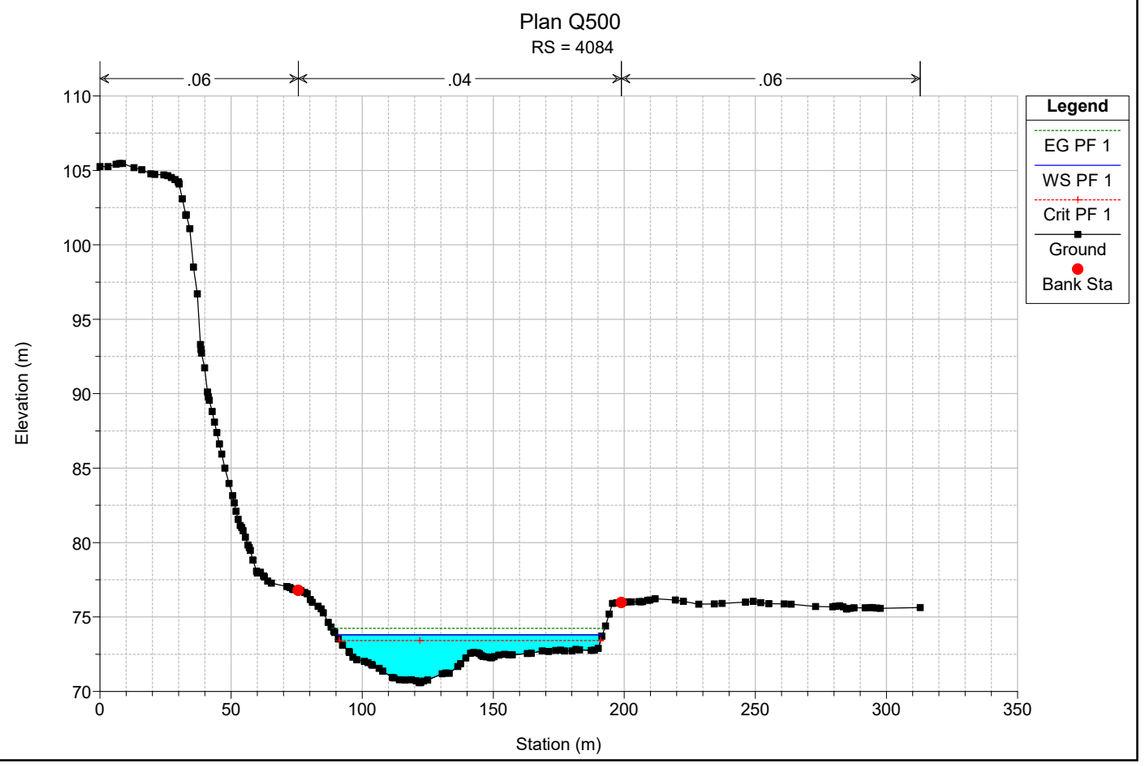

Plan Q500
RS = 4263
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

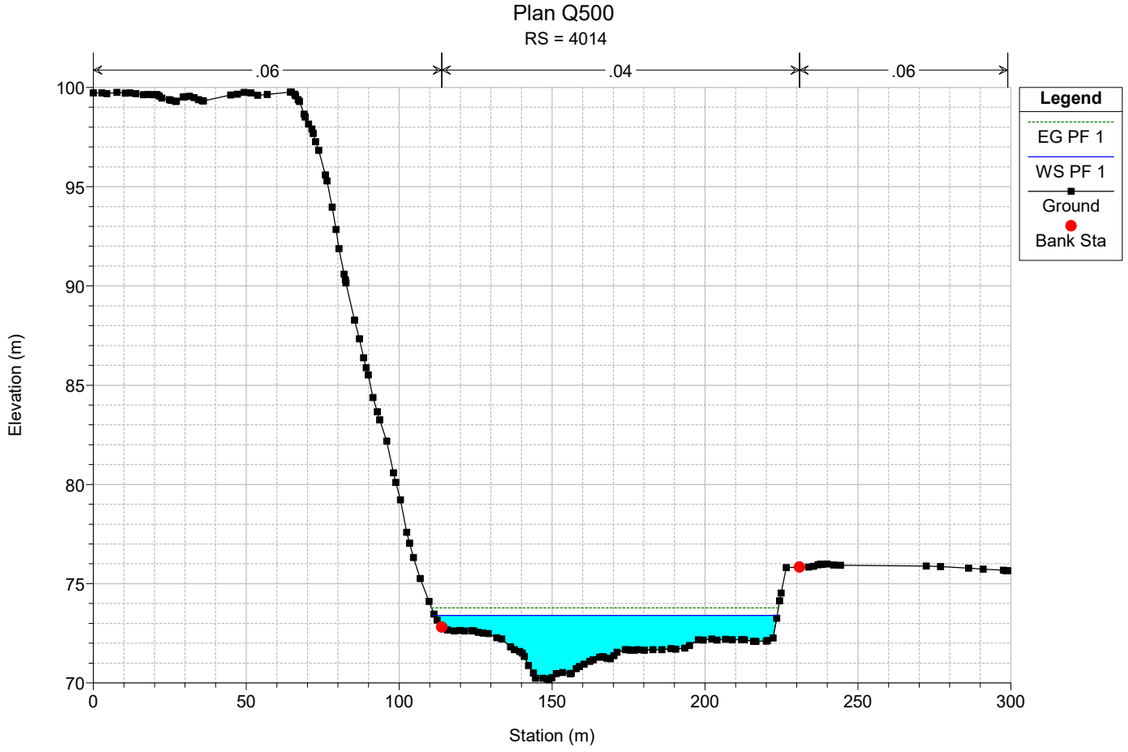

Plan Q500
RS = 4231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

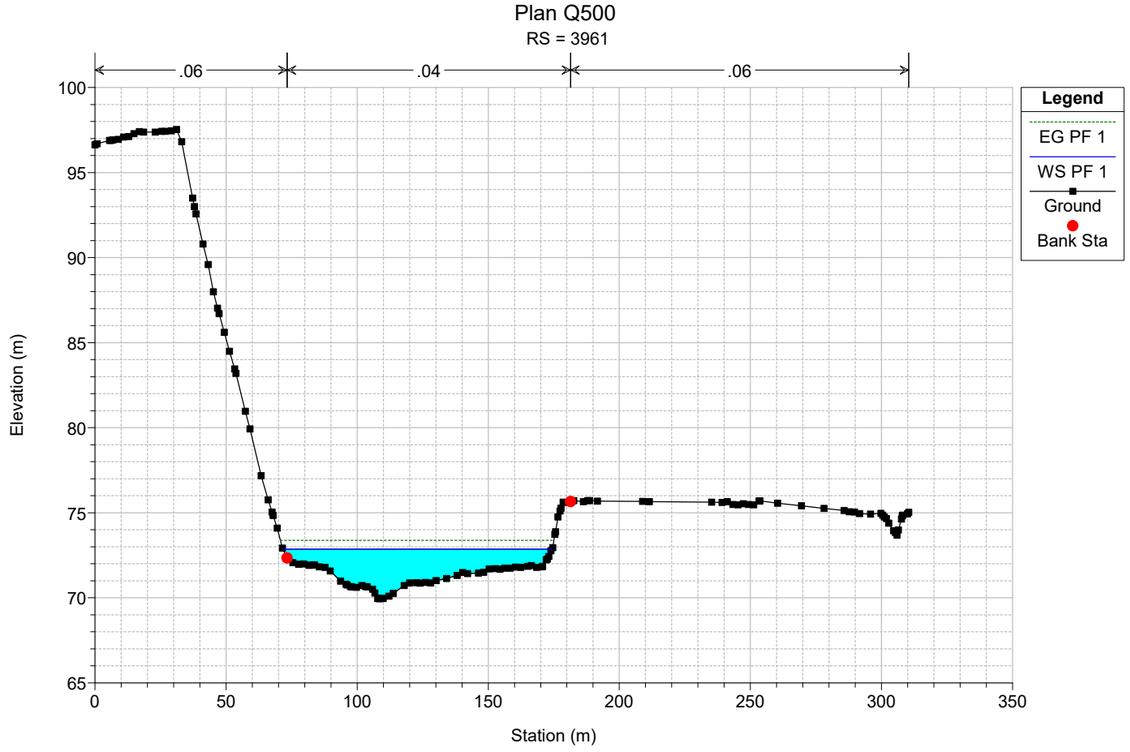

Plan Q500
RS = 4196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

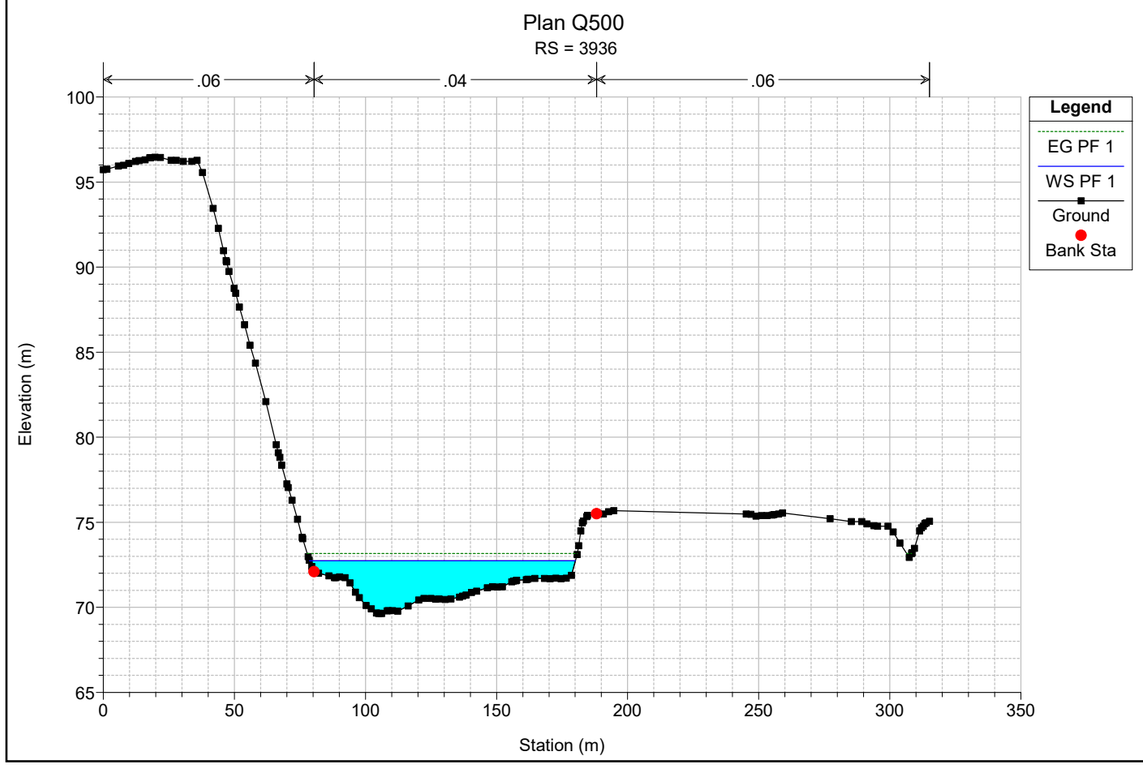

Plan Q500
RS = 4166
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

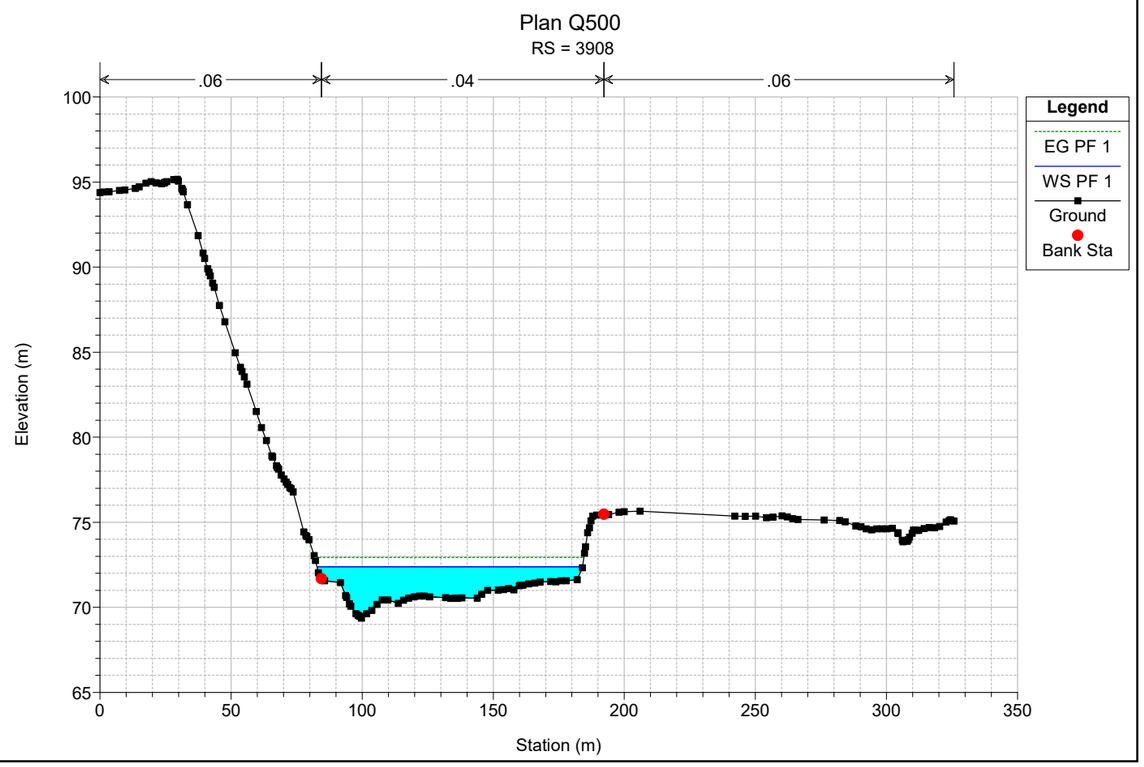

Plan Q500
RS = 4122
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

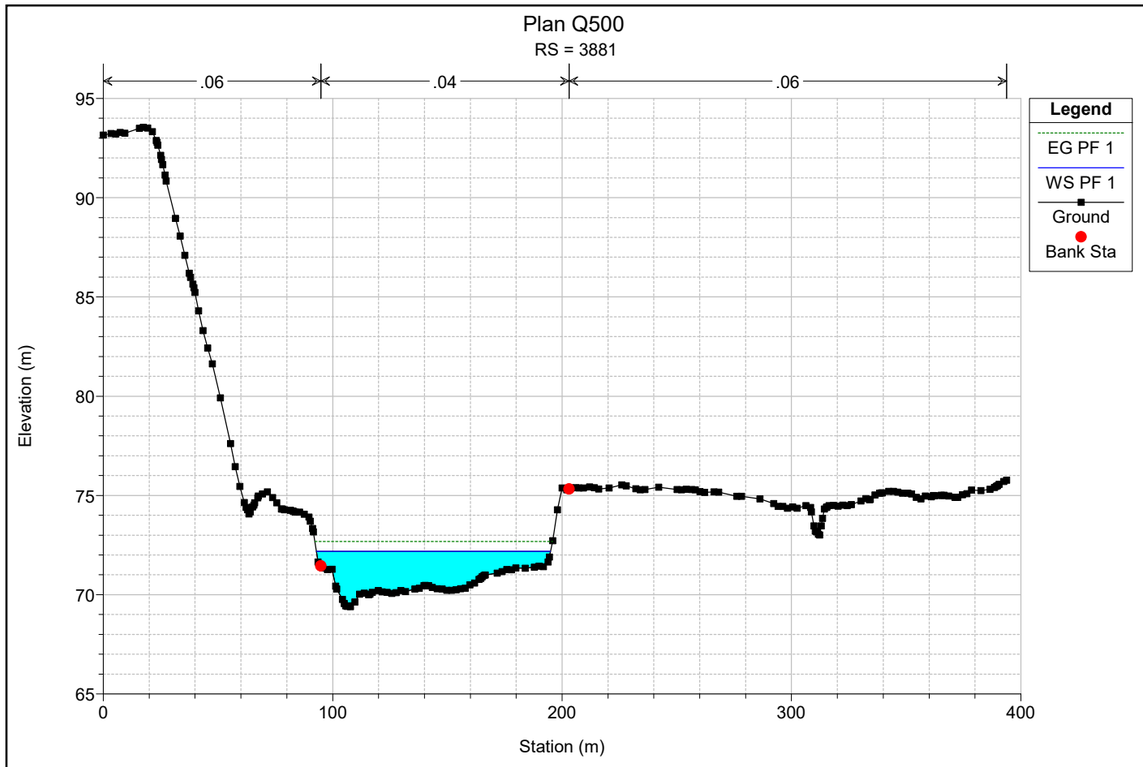

Plan Q500
RS = 4084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

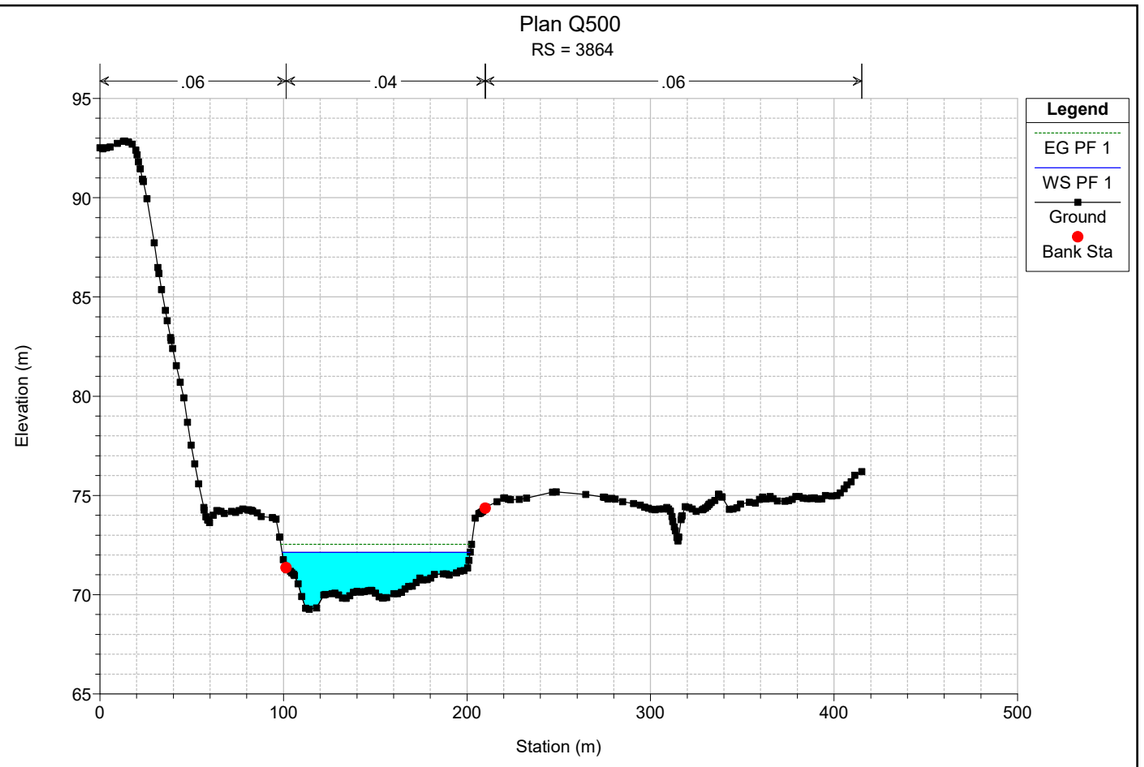

Plan Q500
RS = 4014
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

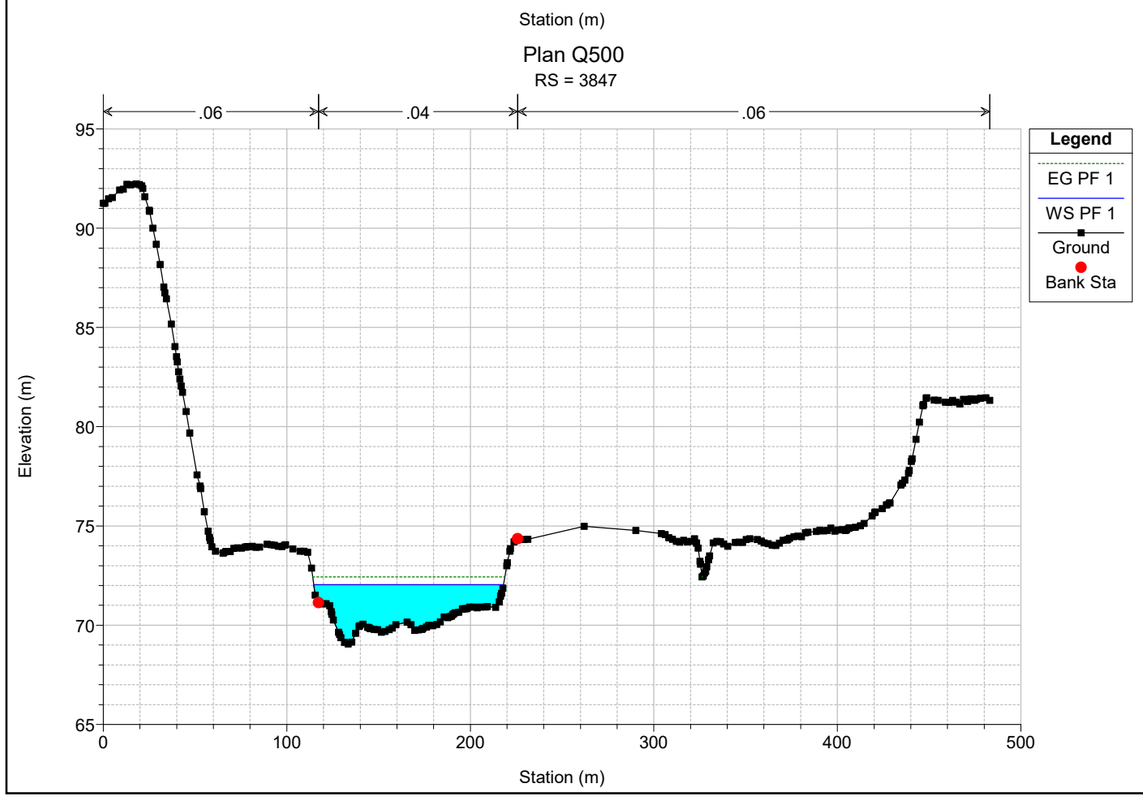

Plan Q500
RS = 3961
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

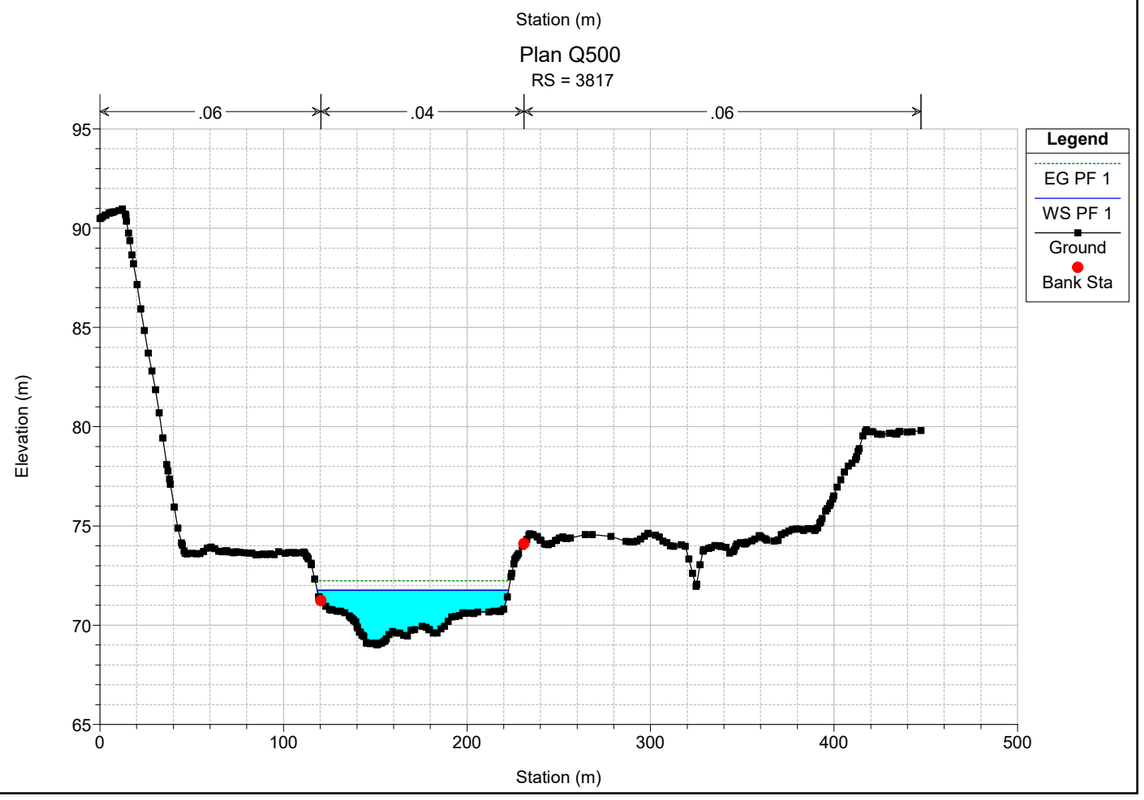

Plan Q500
RS = 3936
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

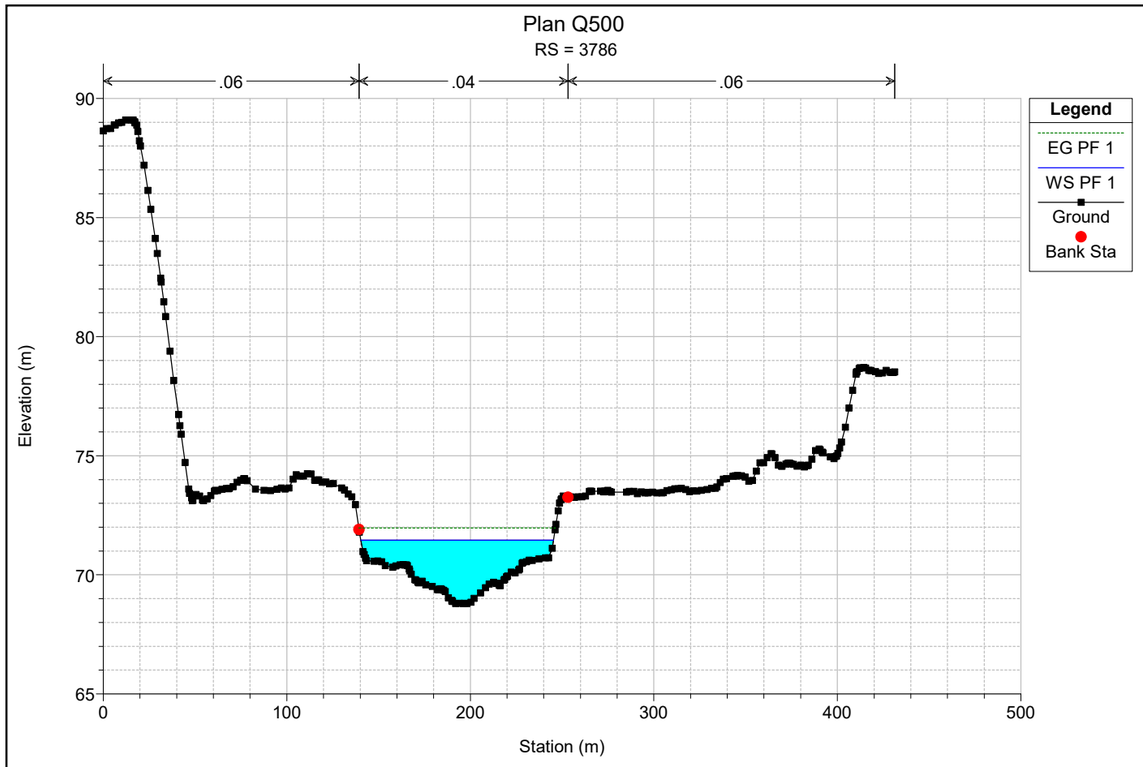

Plan Q500
RS = 3908
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

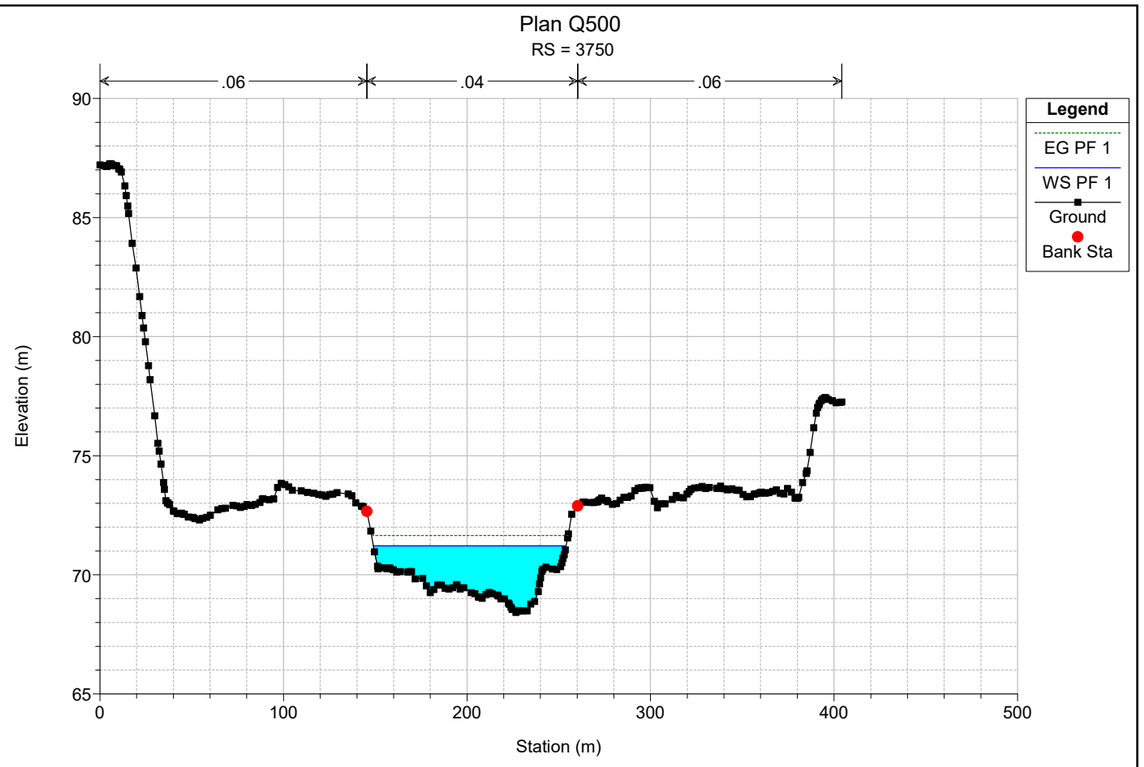

Plan Q500
RS = 3881
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400

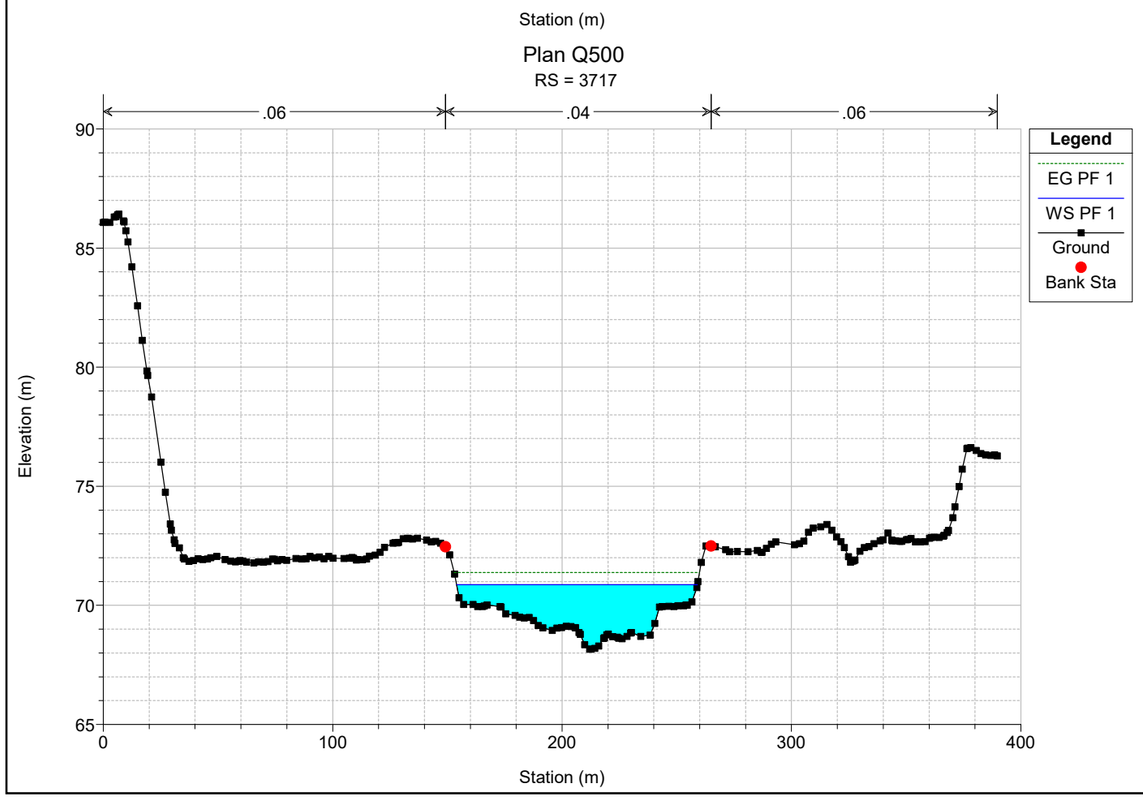

Plan Q500
RS = 3864
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

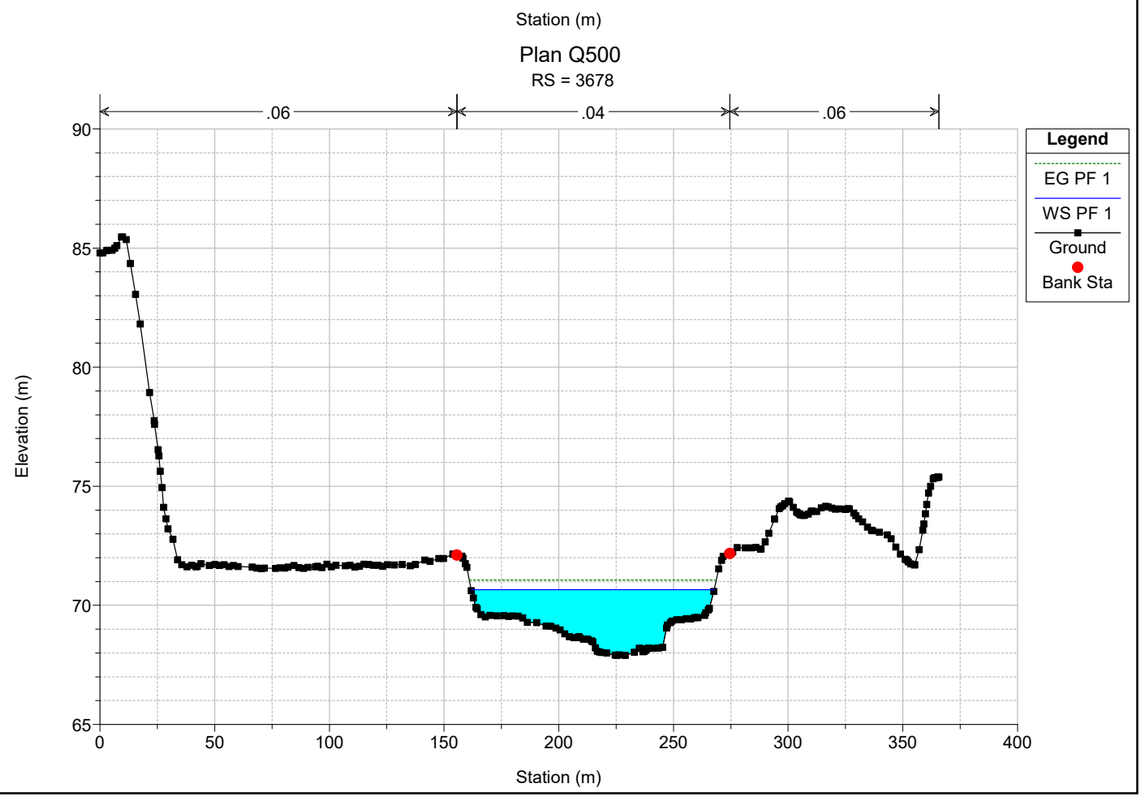

Plan Q500
RS = 3847
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

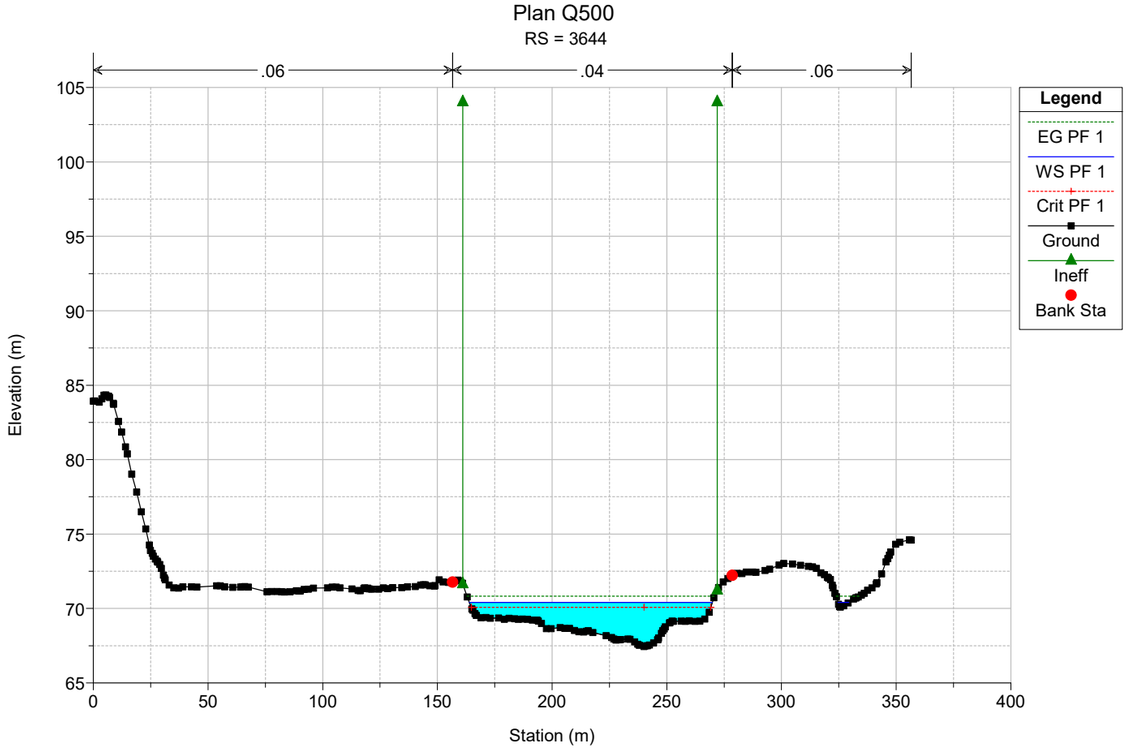

Plan Q500
RS = 3817
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
95
90
85
80
75
70
65
0
100
200
300
400
500

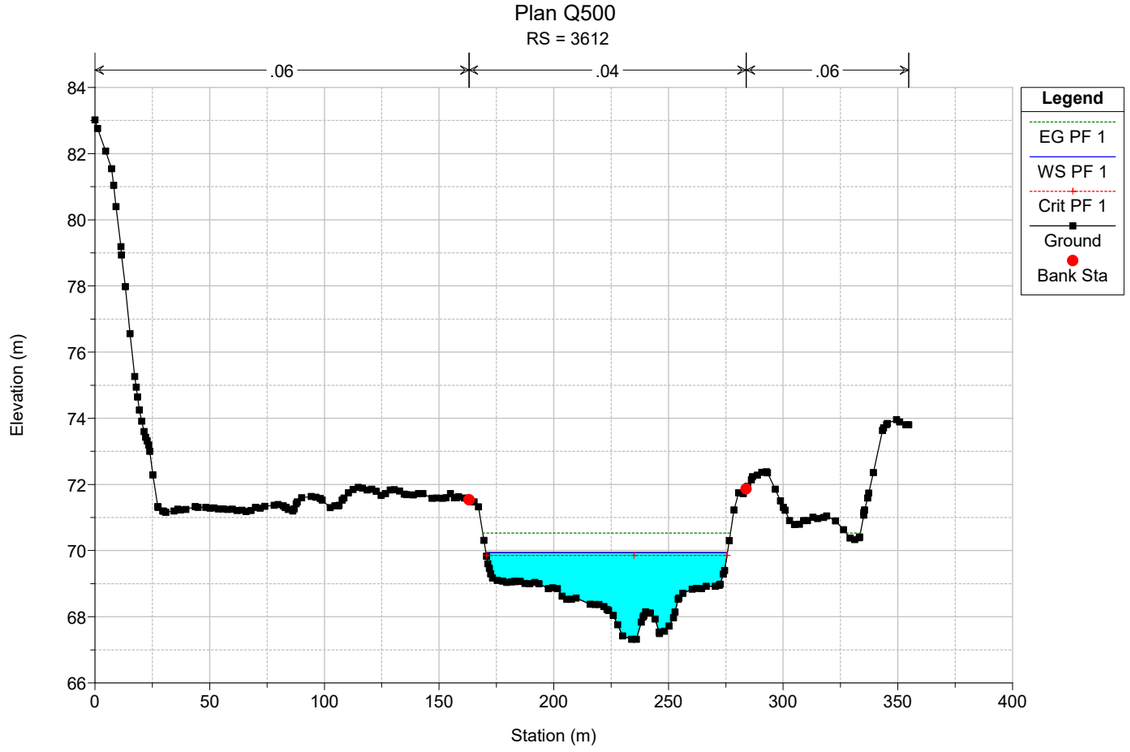

Plan Q500
RS = 3786
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

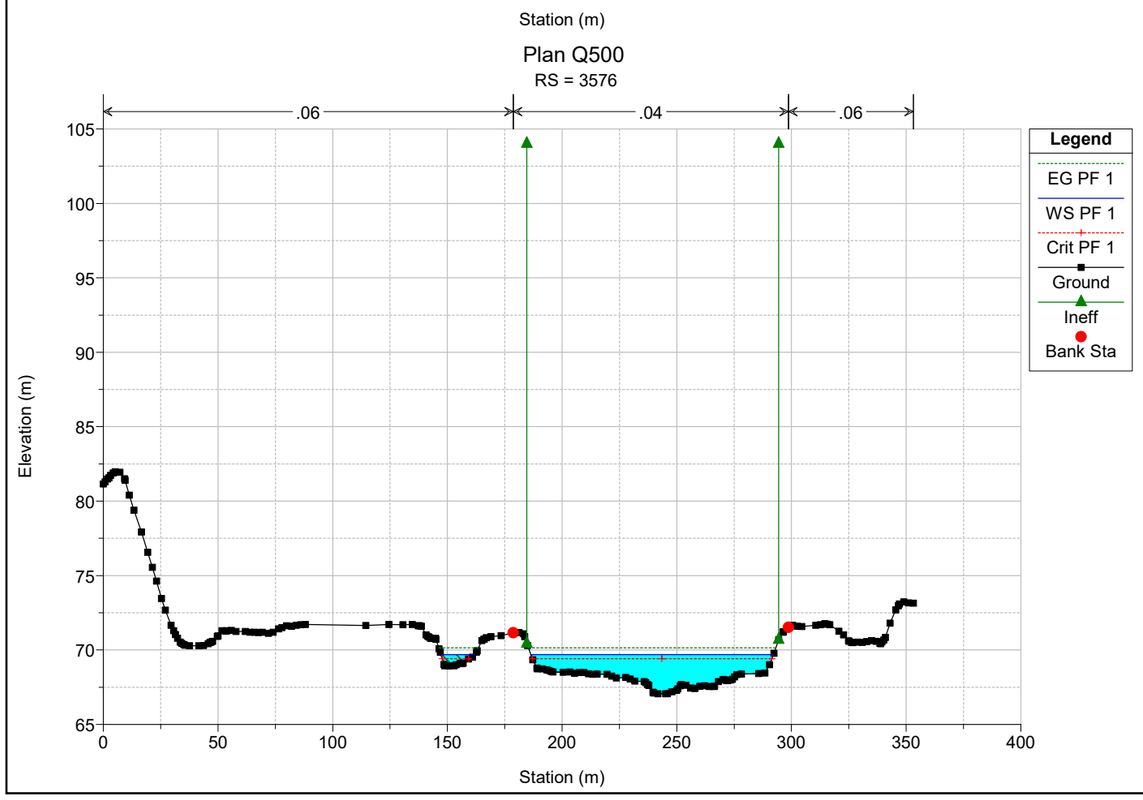

Plan Q500
RS = 3750
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400
500

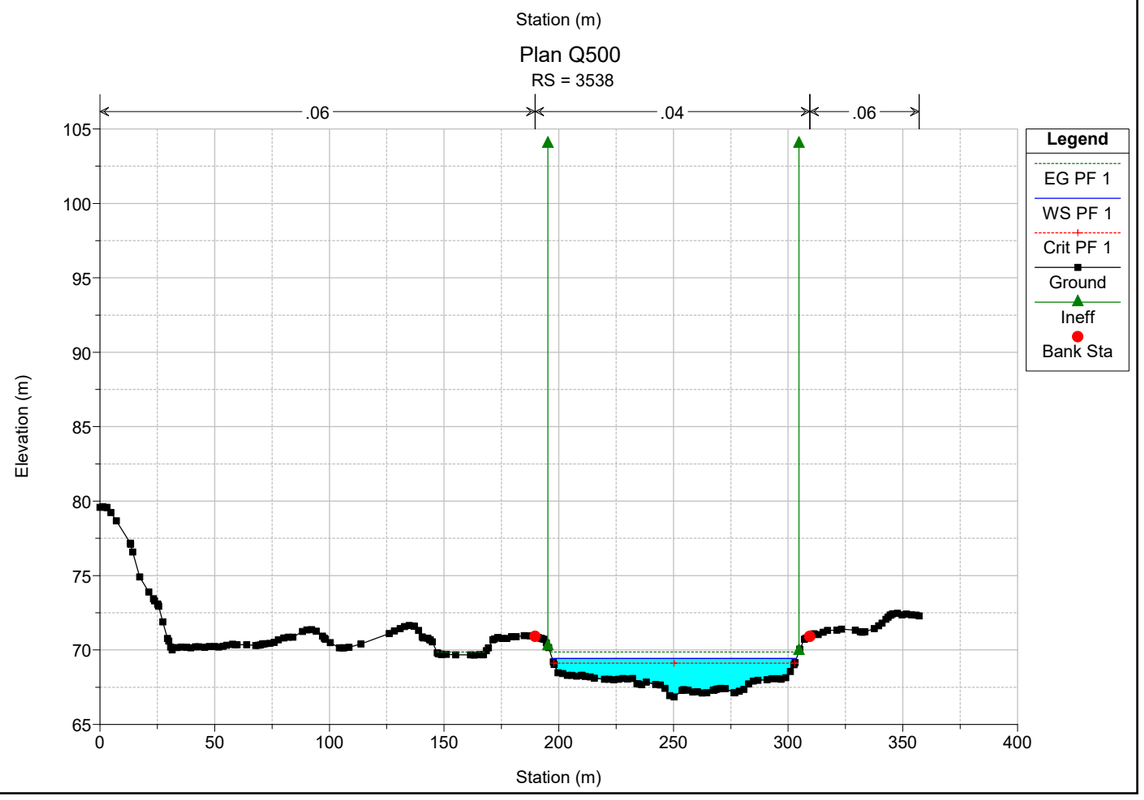

Plan Q500
RS = 3717
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
100
200
300
400

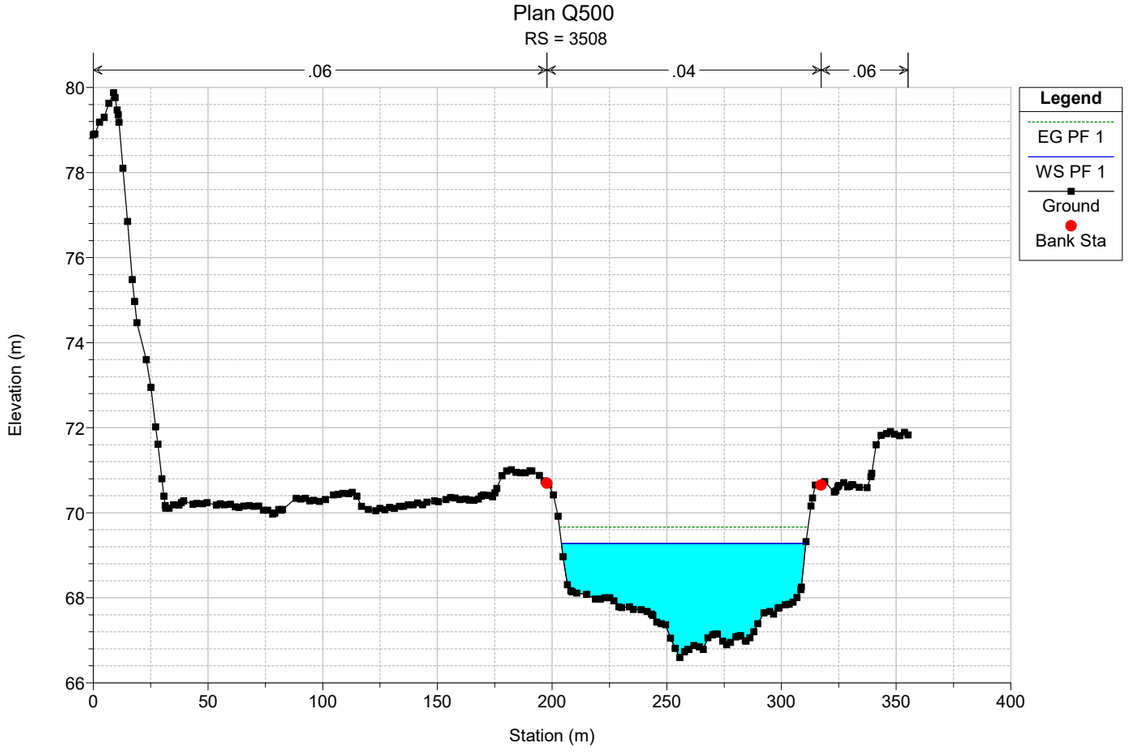

Plan Q500
RS = 3678
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
90
85
80
75
70
65
0
50
100
150
200
250
300
350
400

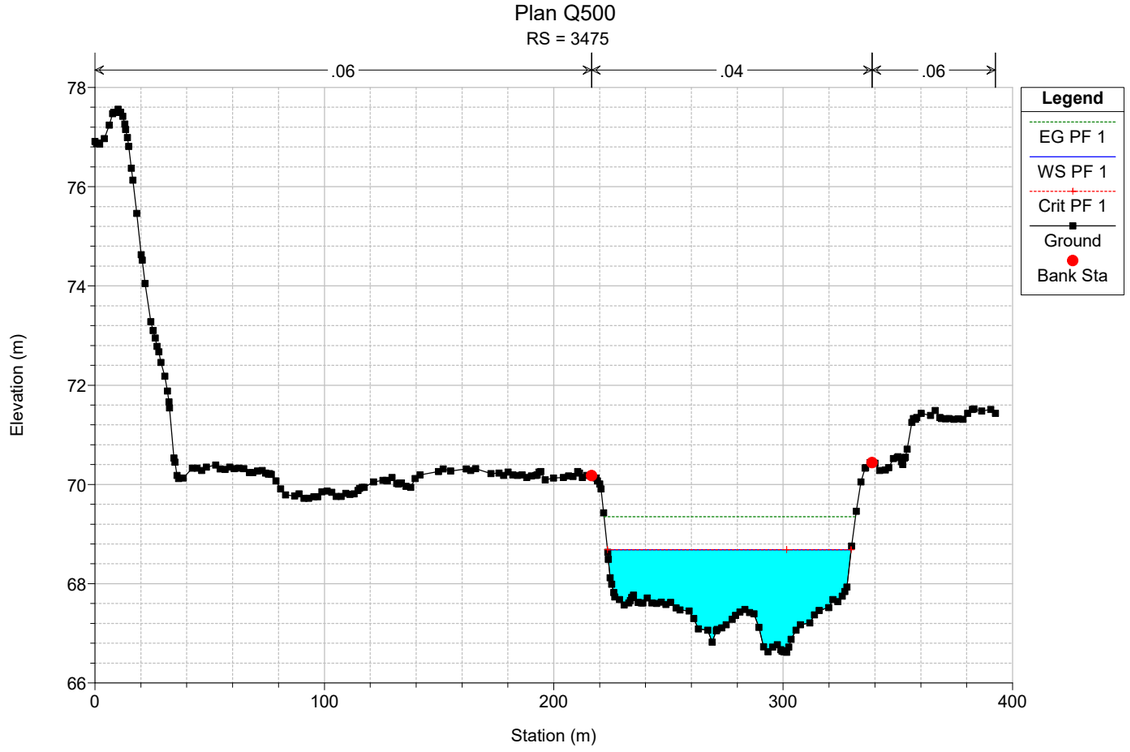

Plan Q500
RS = 3644
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

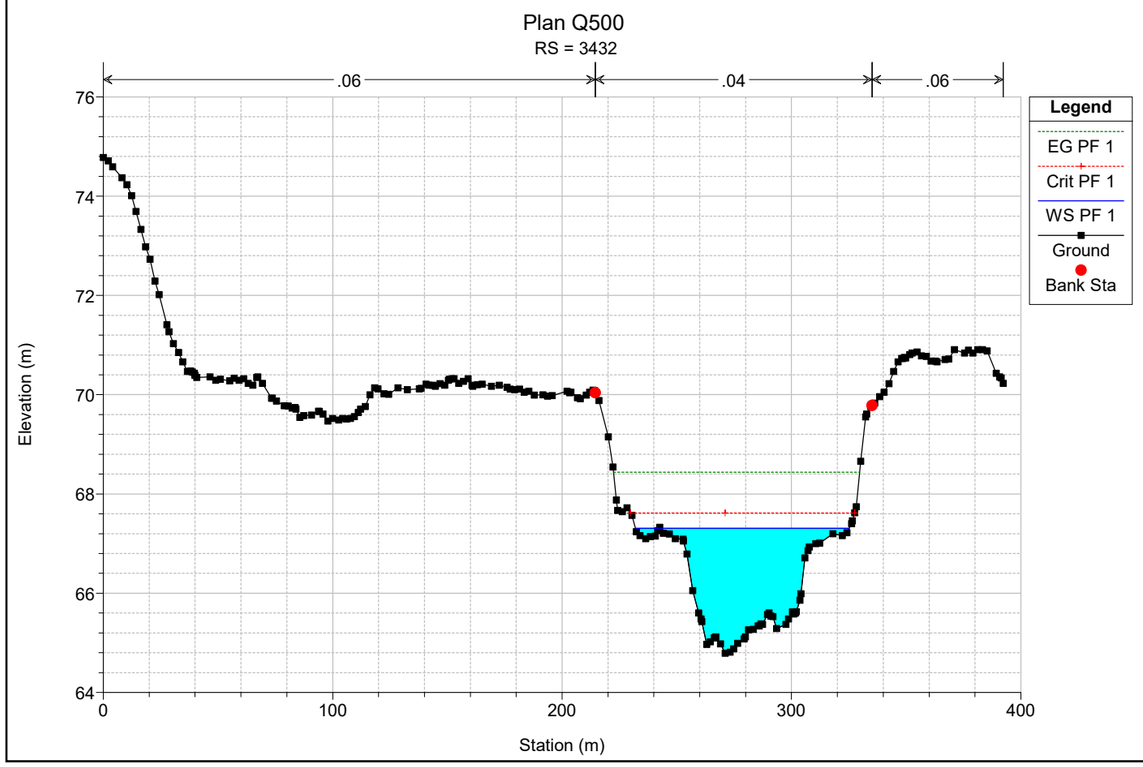

Plan Q500
RS = 3612
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

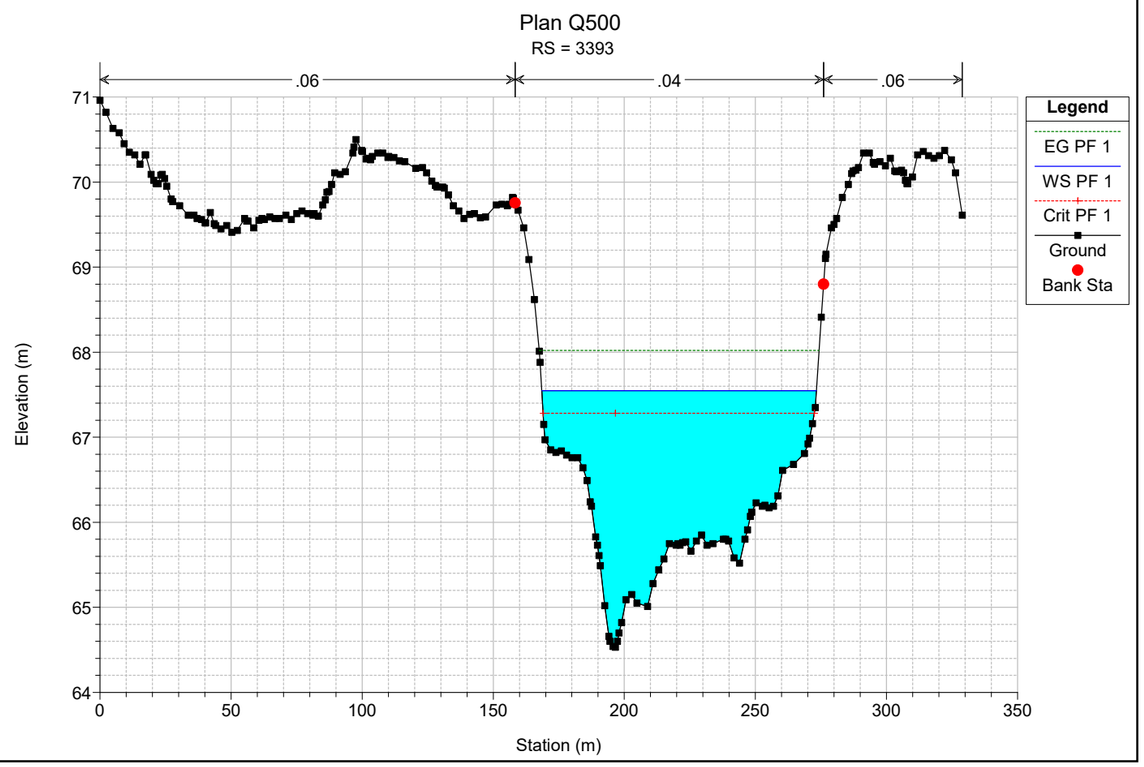

Plan Q500
RS = 3576
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

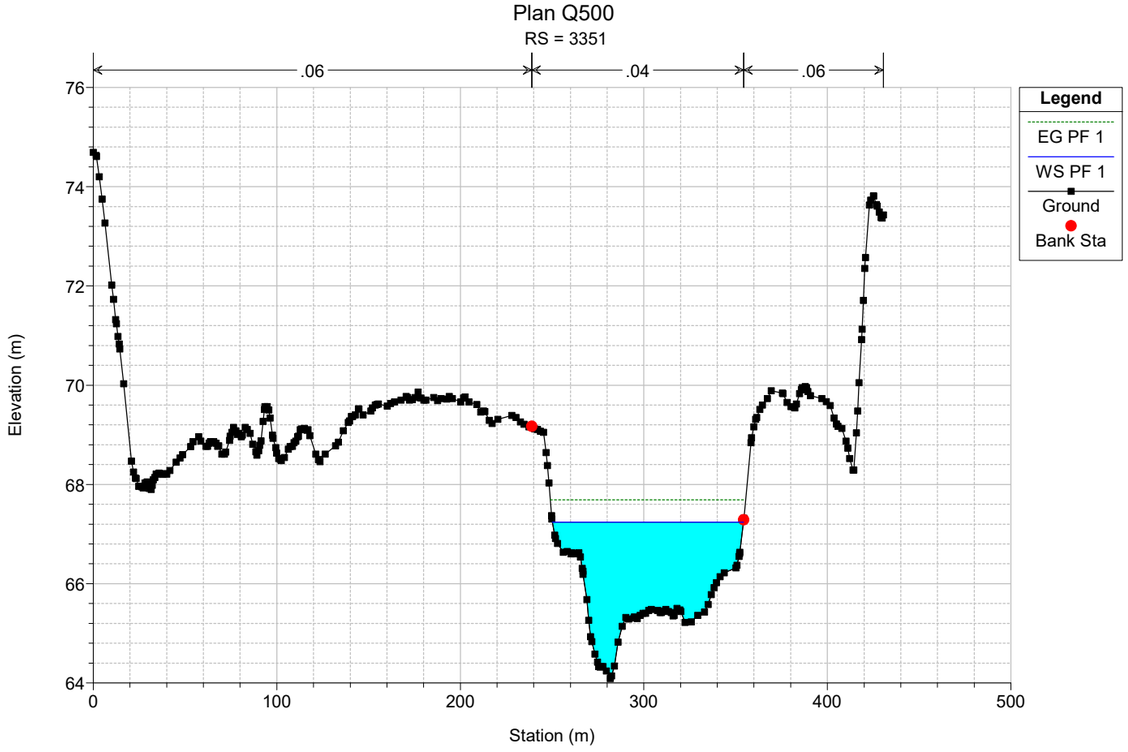

Plan Q500
RS = 3538
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

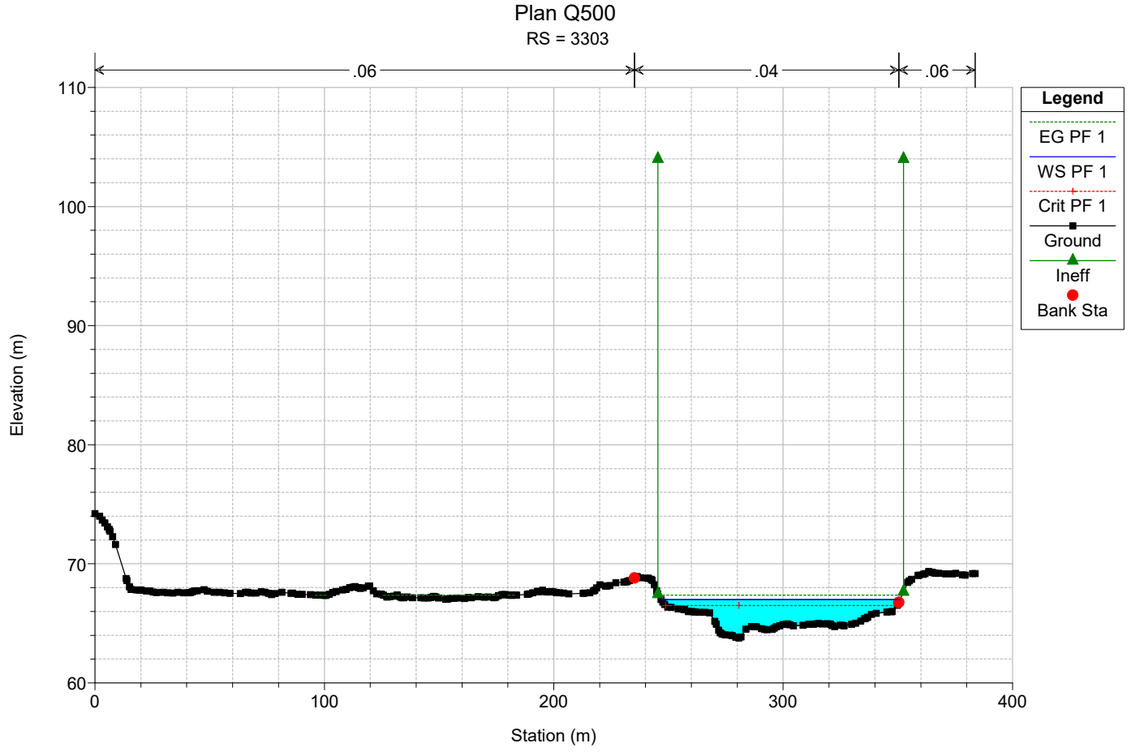

Plan Q500
RS = 3508
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

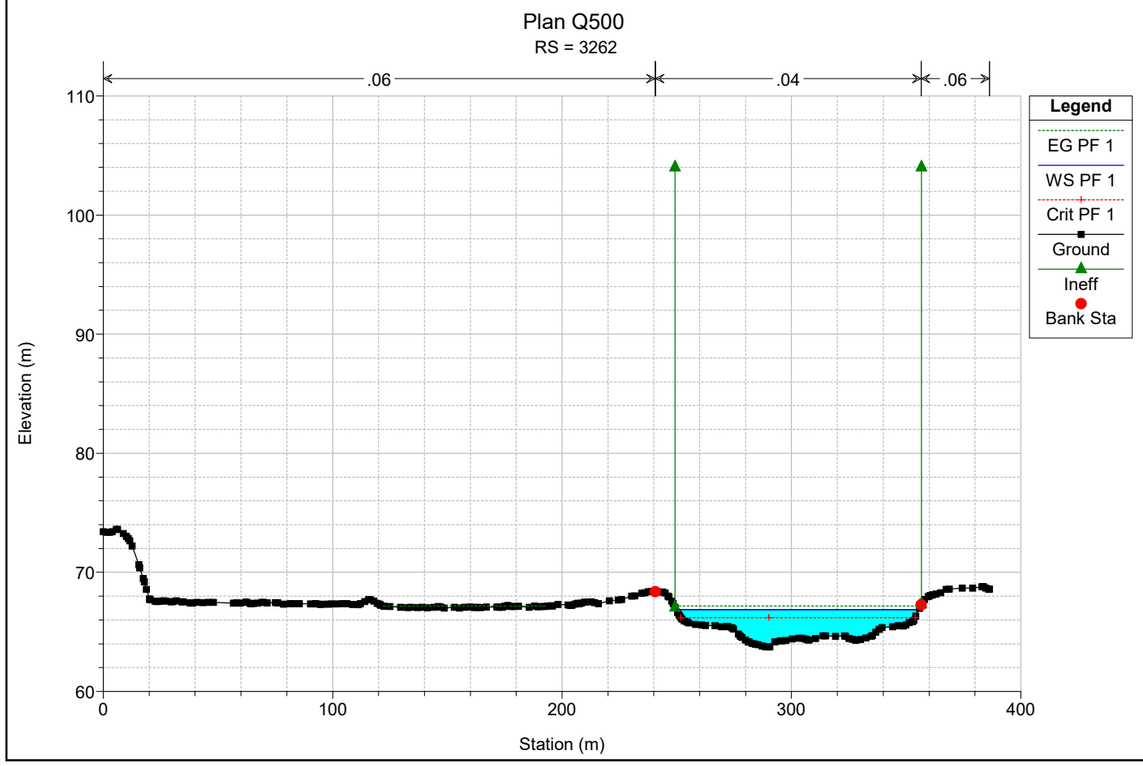

Plan Q500
RS = 3475
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

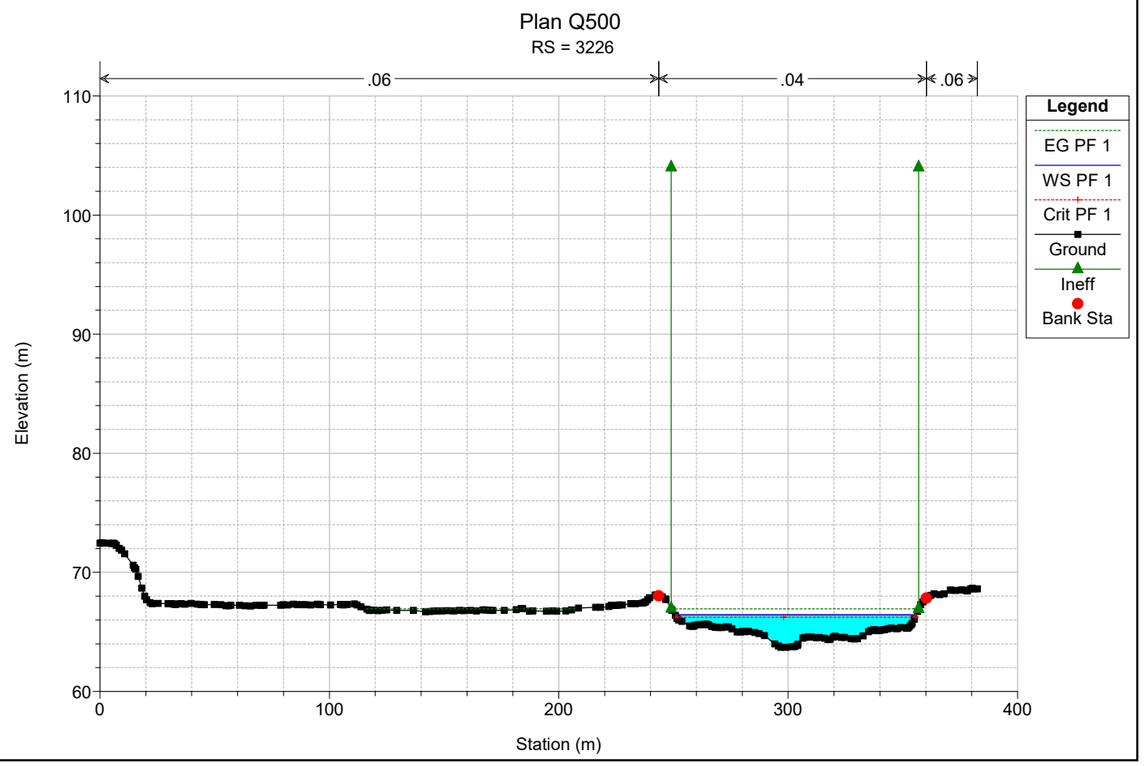

Plan Q500
RS = 3432
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

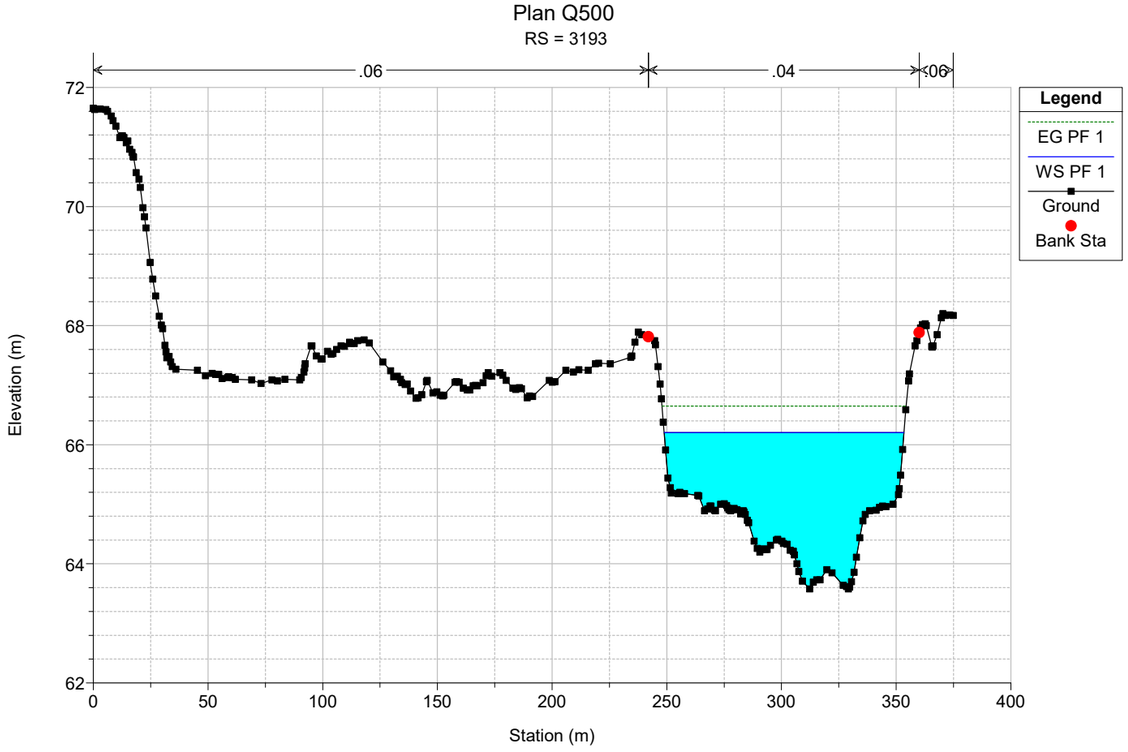

Plan Q500
RS = 3393
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

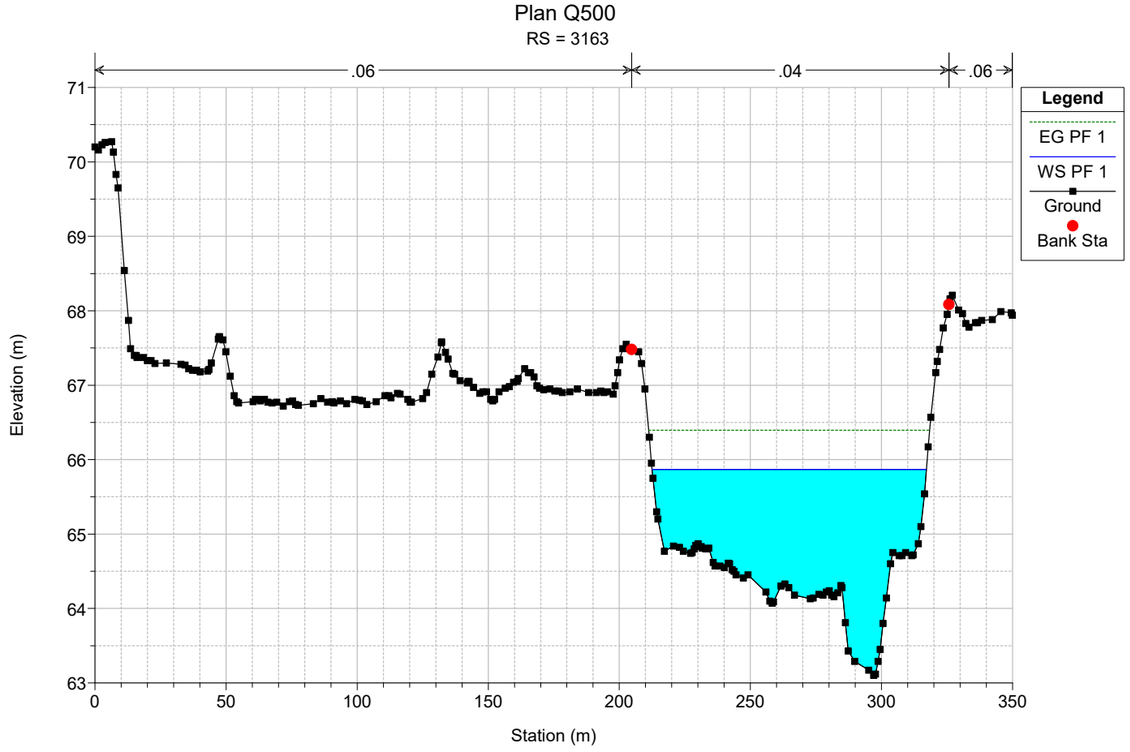

Plan Q500
RS = 3351
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

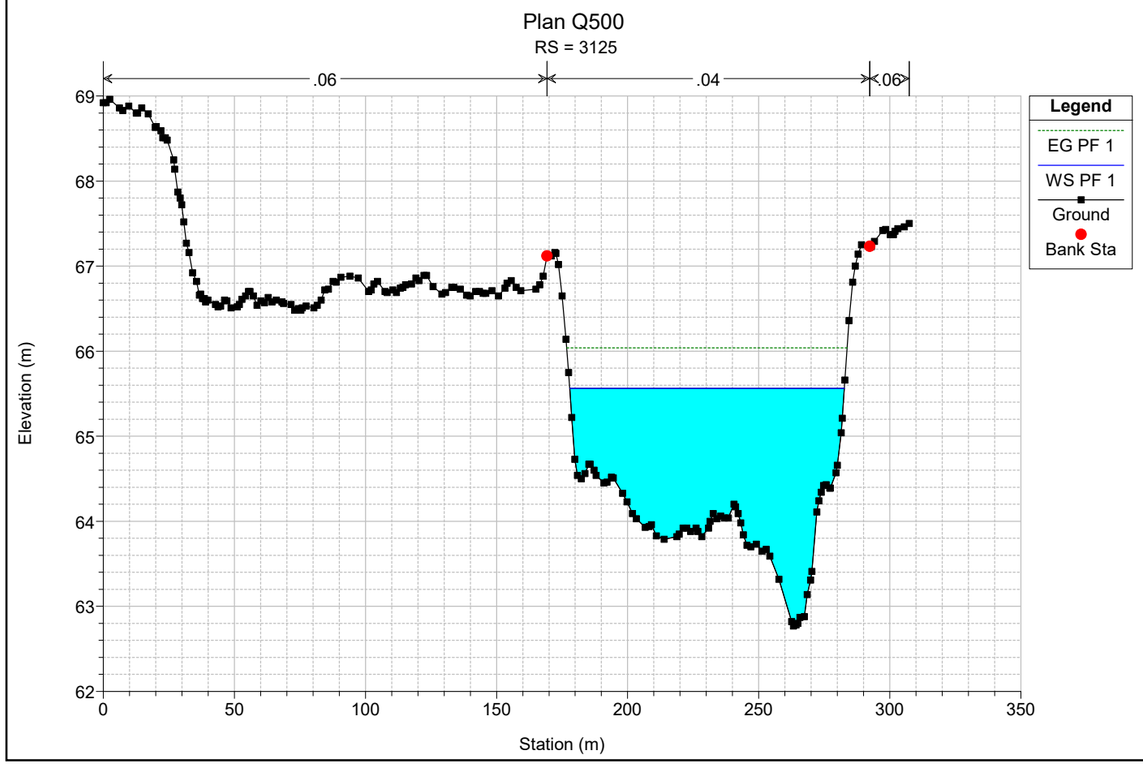

Plan Q500
RS = 3303
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

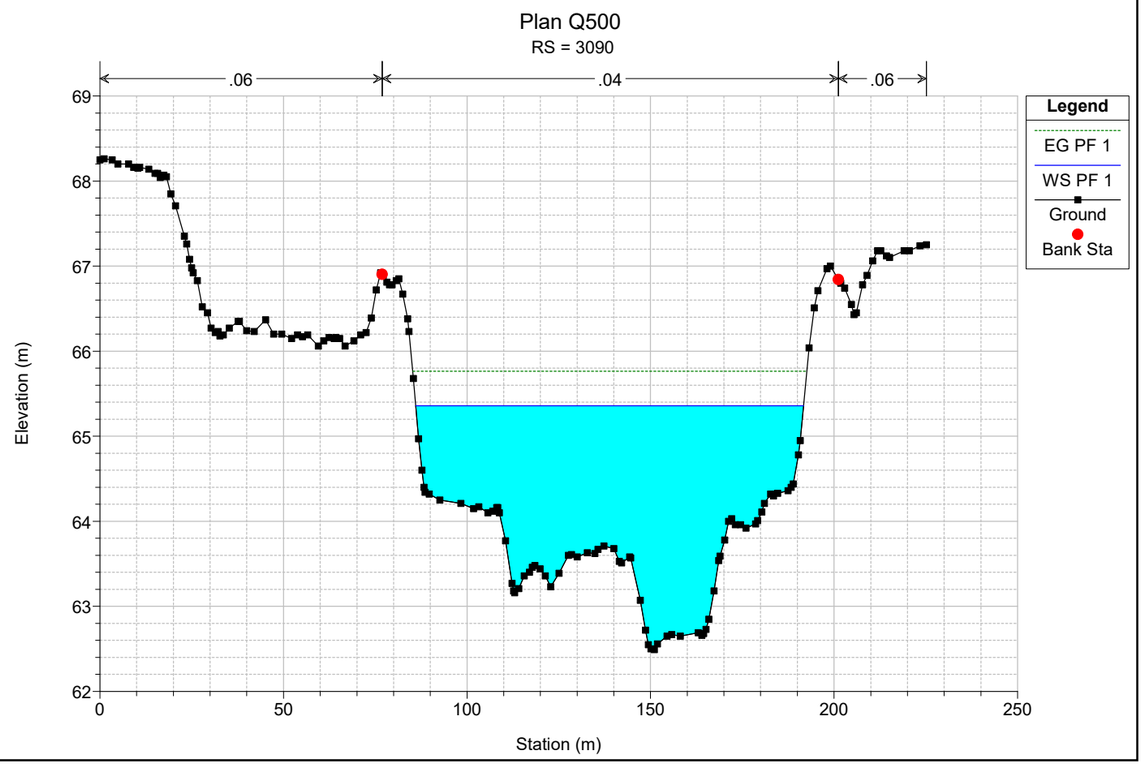

Plan Q500
RS = 3262
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

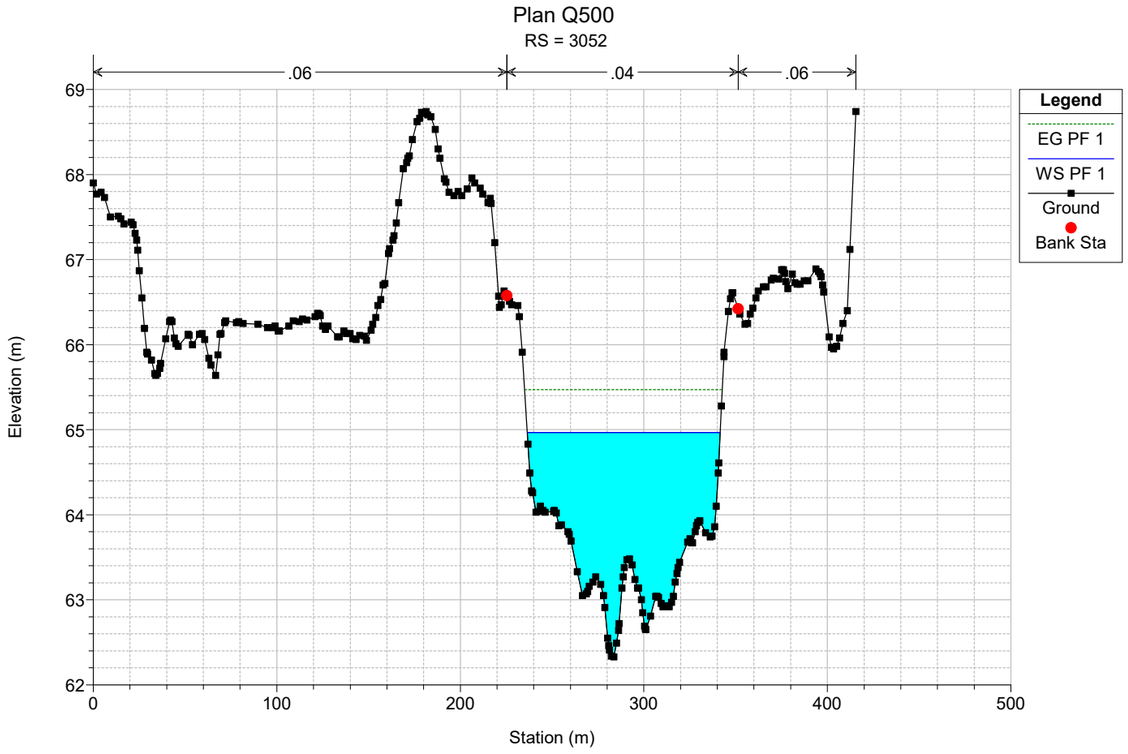

Plan Q500
RS = 3226
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

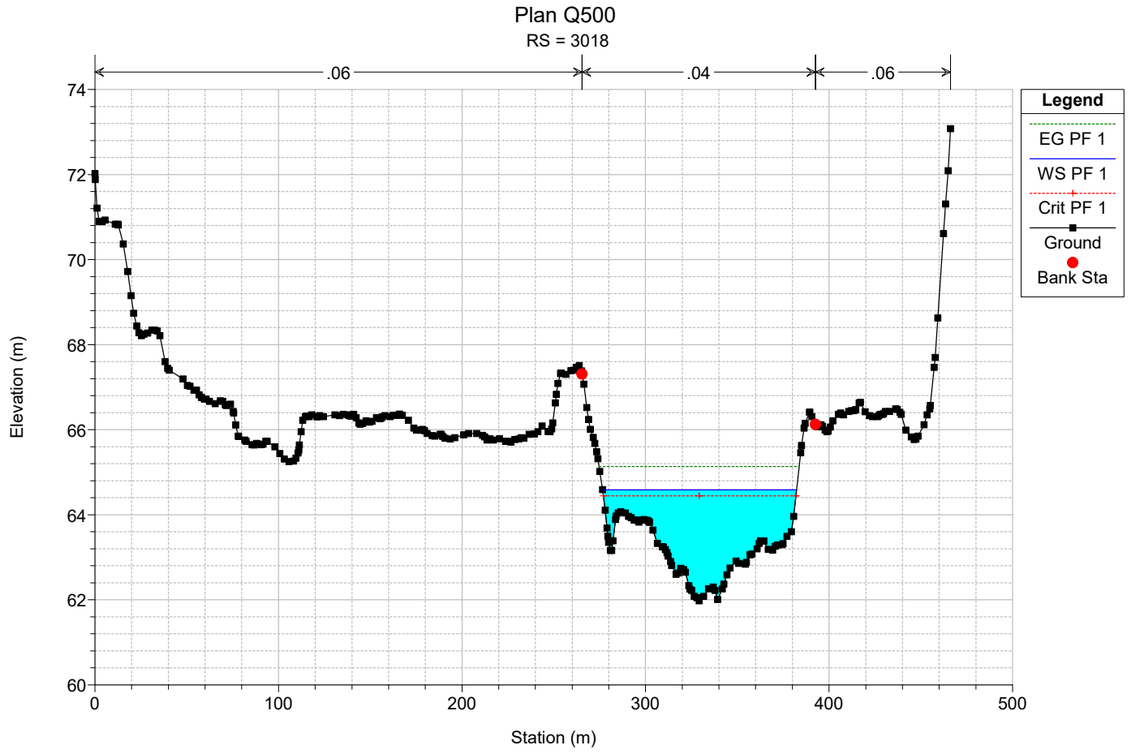

Plan Q500
RS = 3193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

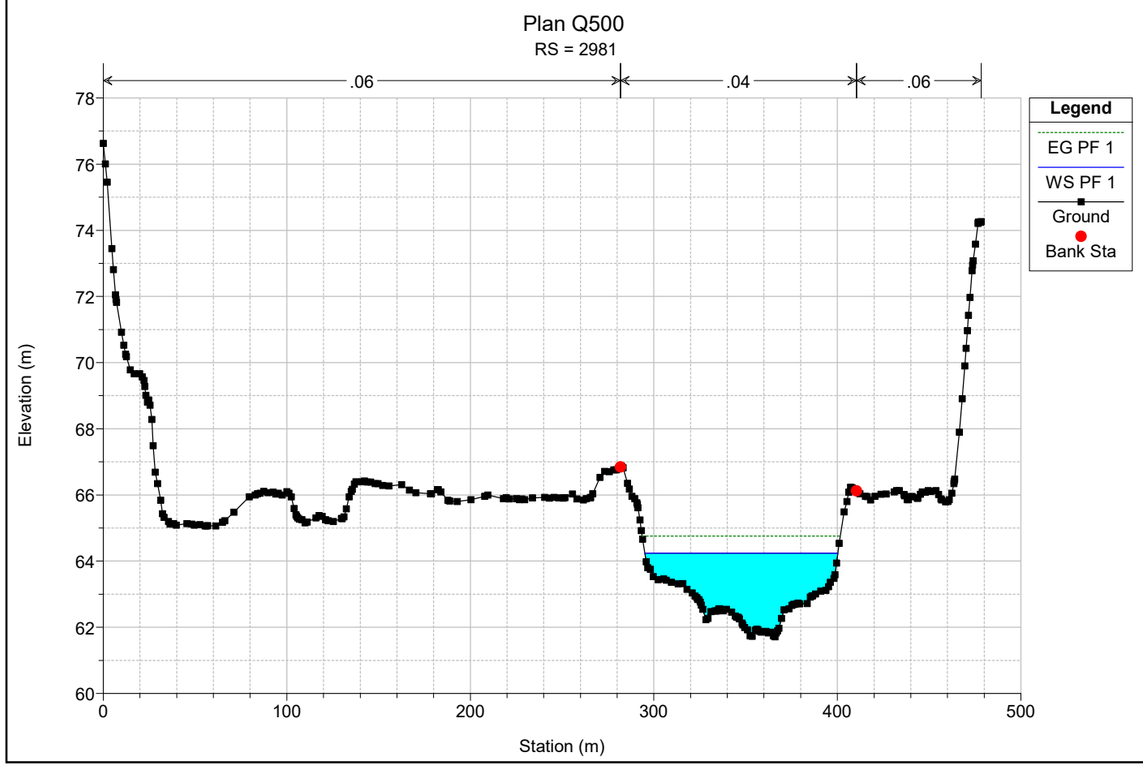

Plan Q500
RS = 3163
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

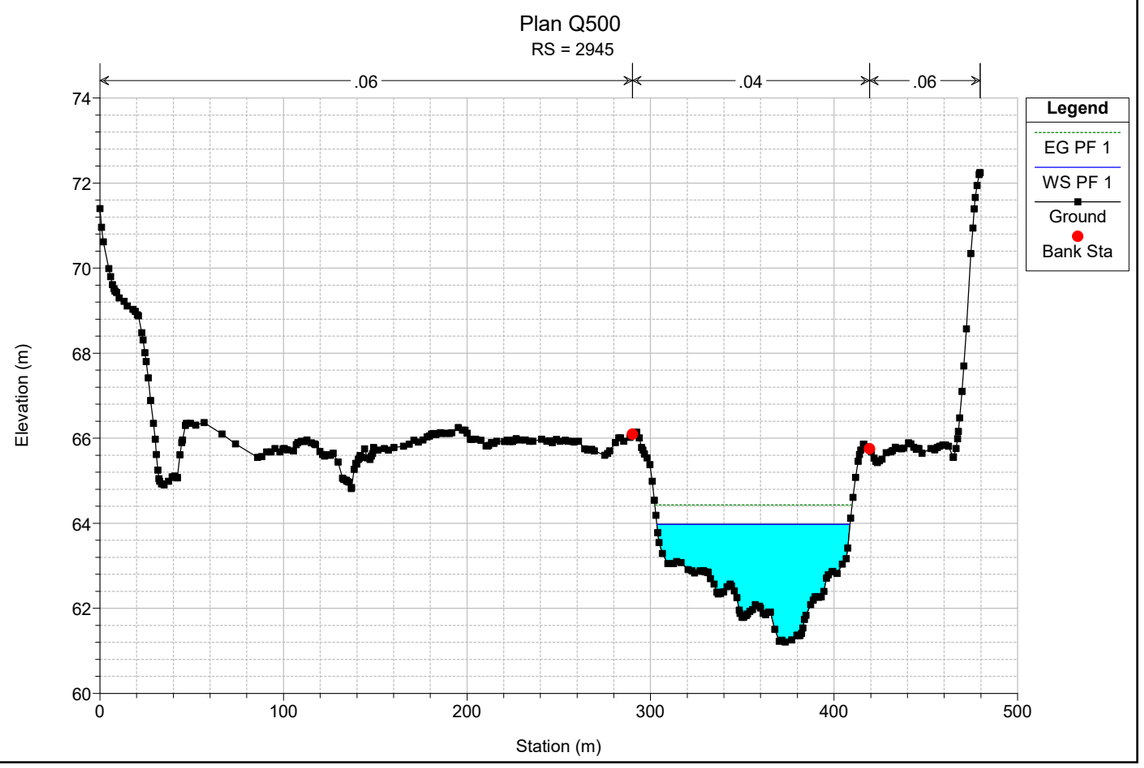

Plan Q500
RS = 3125
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

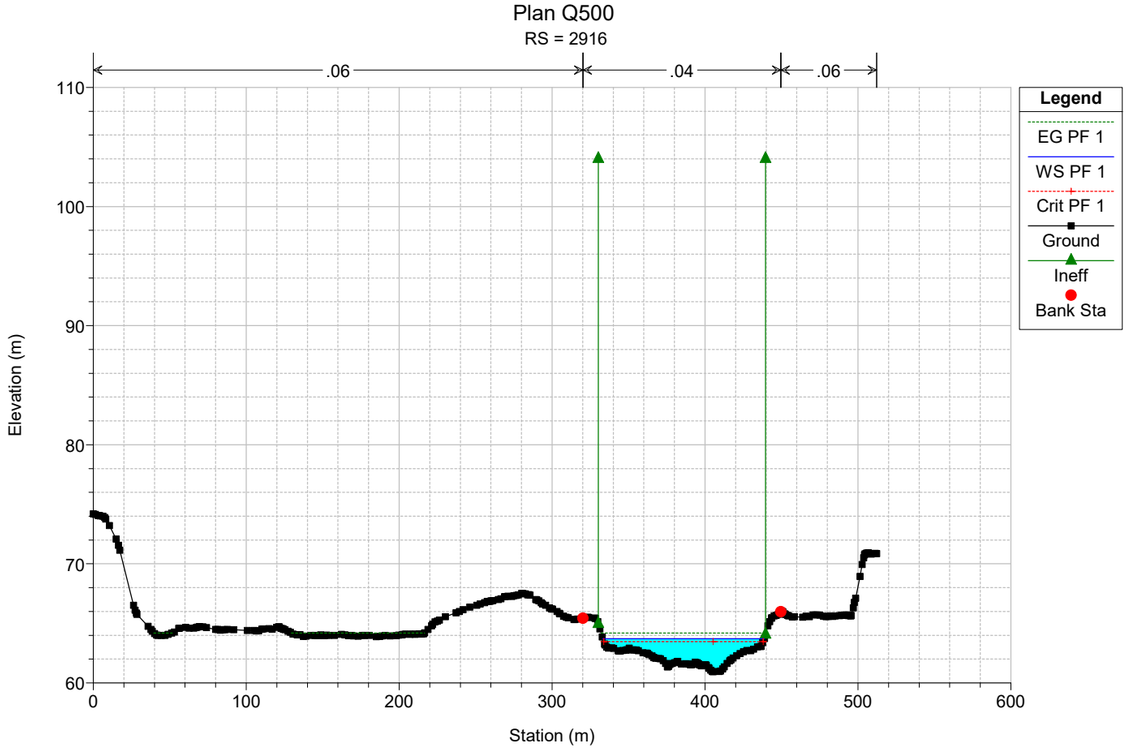

Plan Q500
RS = 3090
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

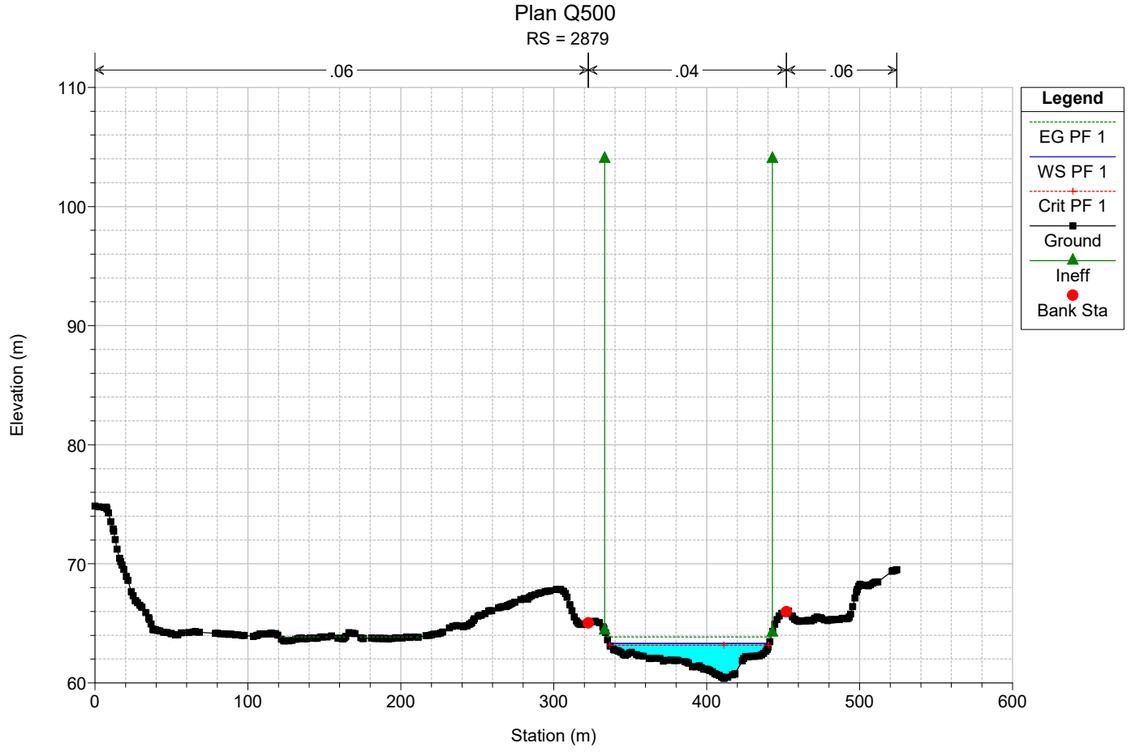

Plan Q500
RS = 3052
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

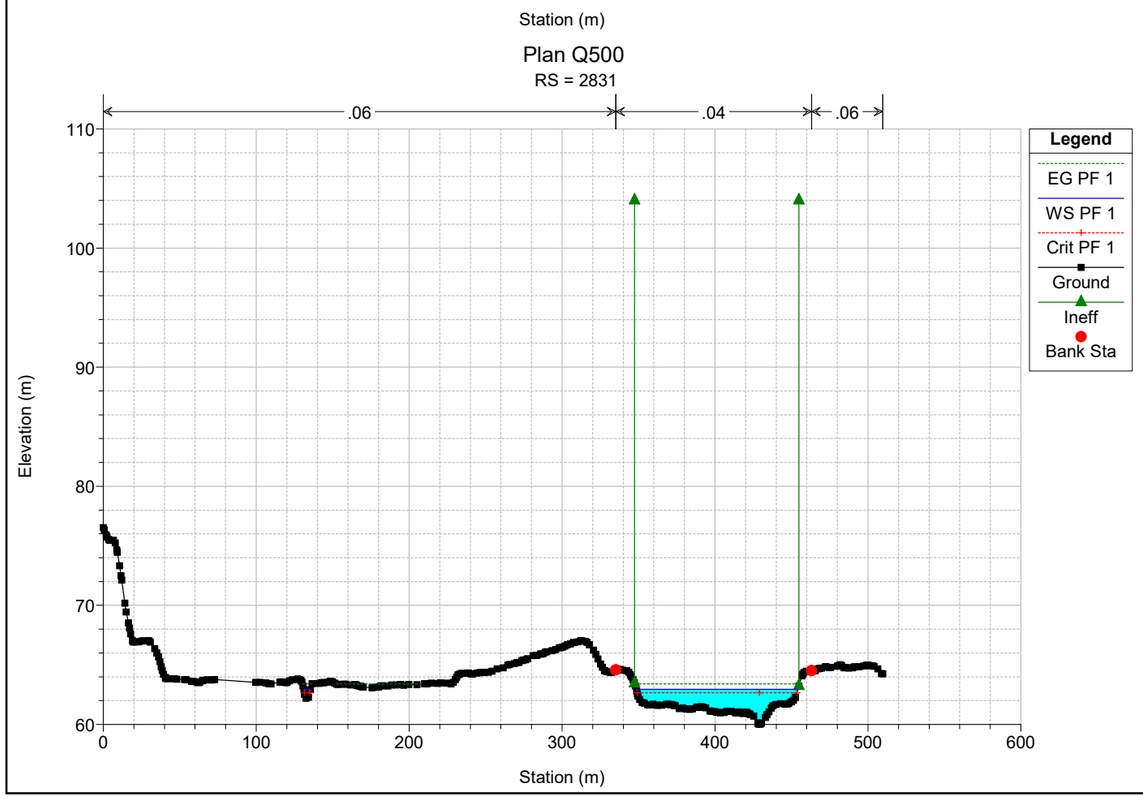

Plan Q500
RS = 3018
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

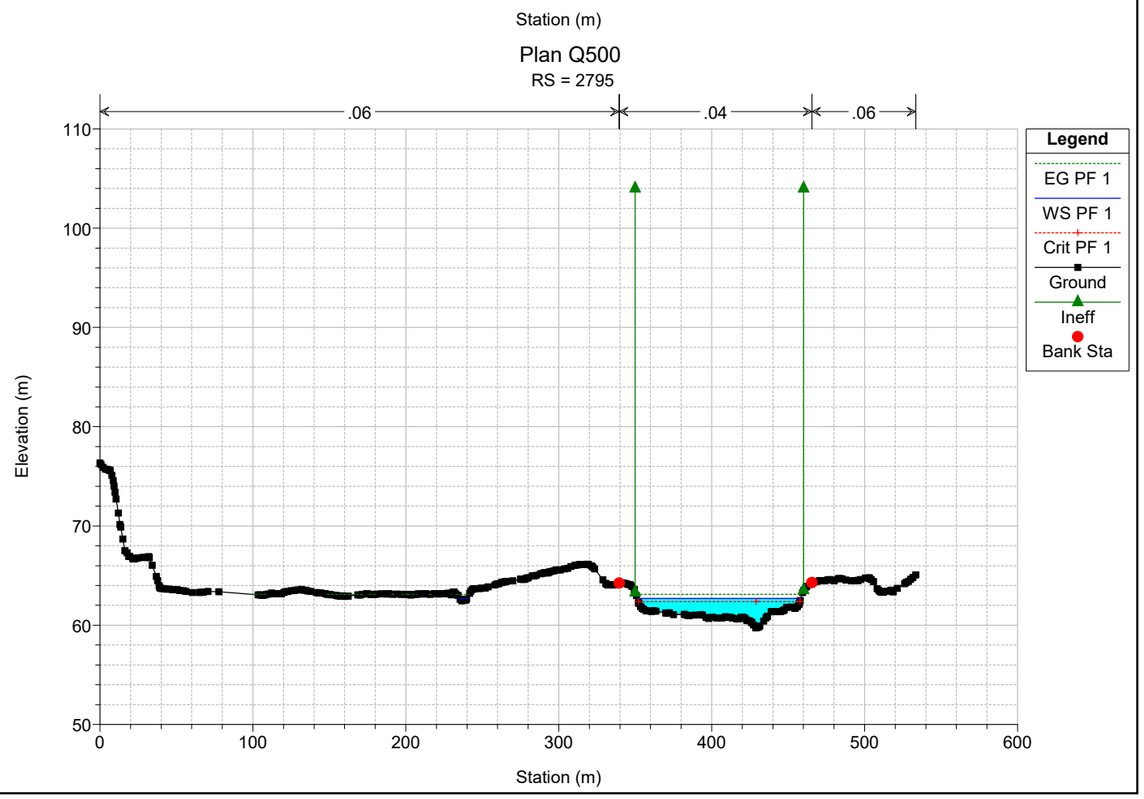

Plan Q500
RS = 2981
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

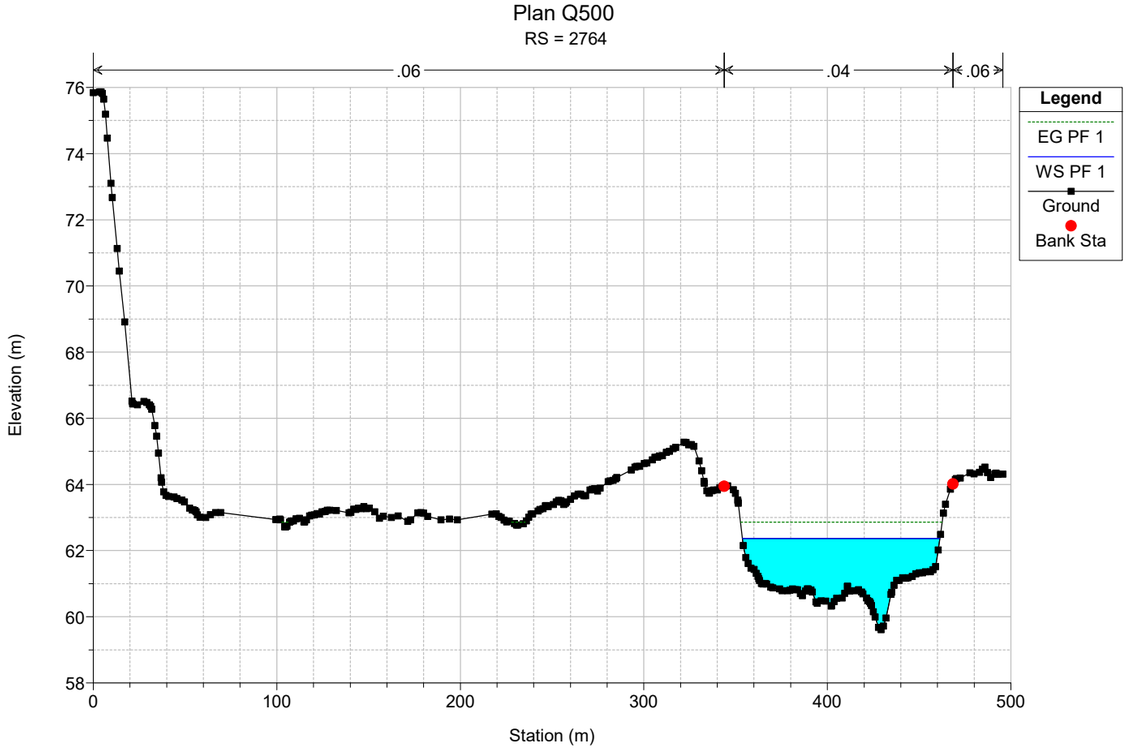

Plan Q500
RS = 2945
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

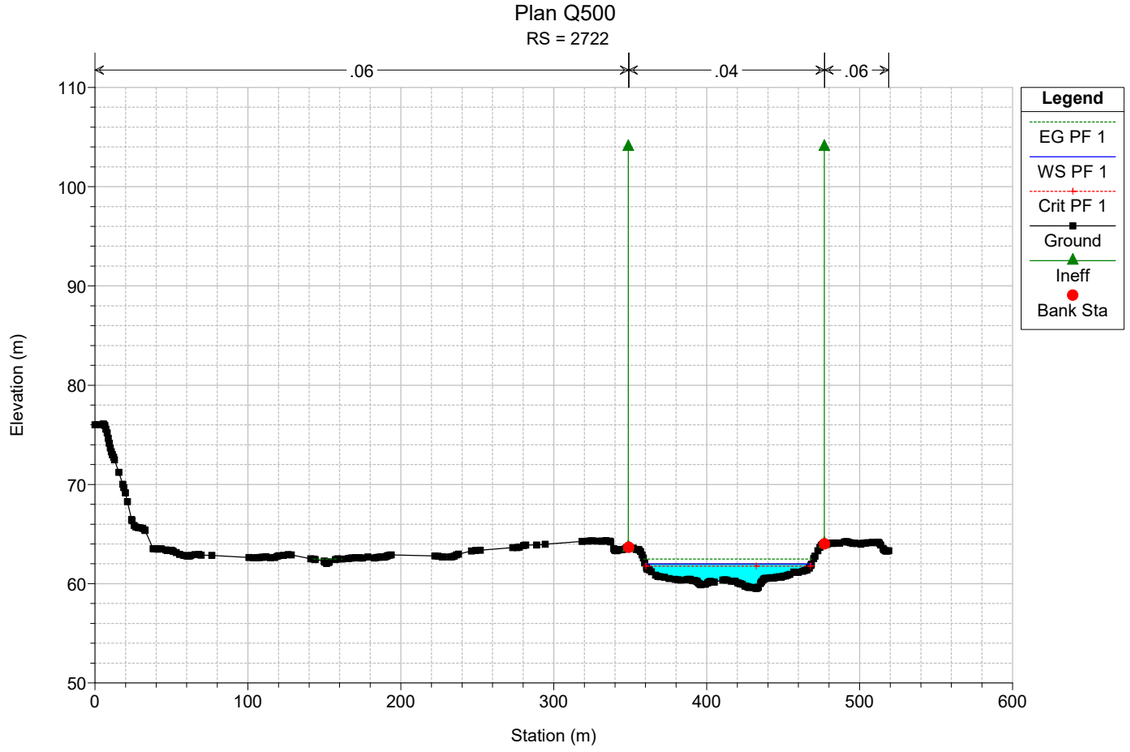

Plan Q500
RS = 2916
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

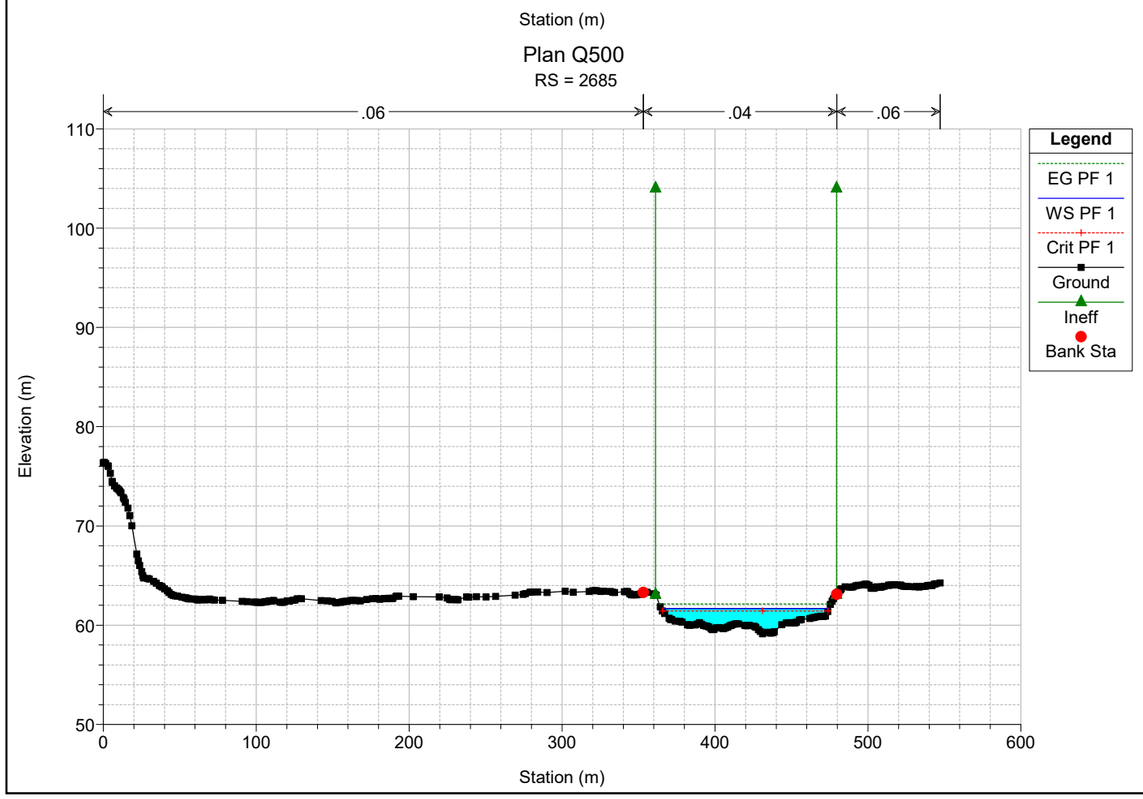

Plan Q500
RS = 2879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

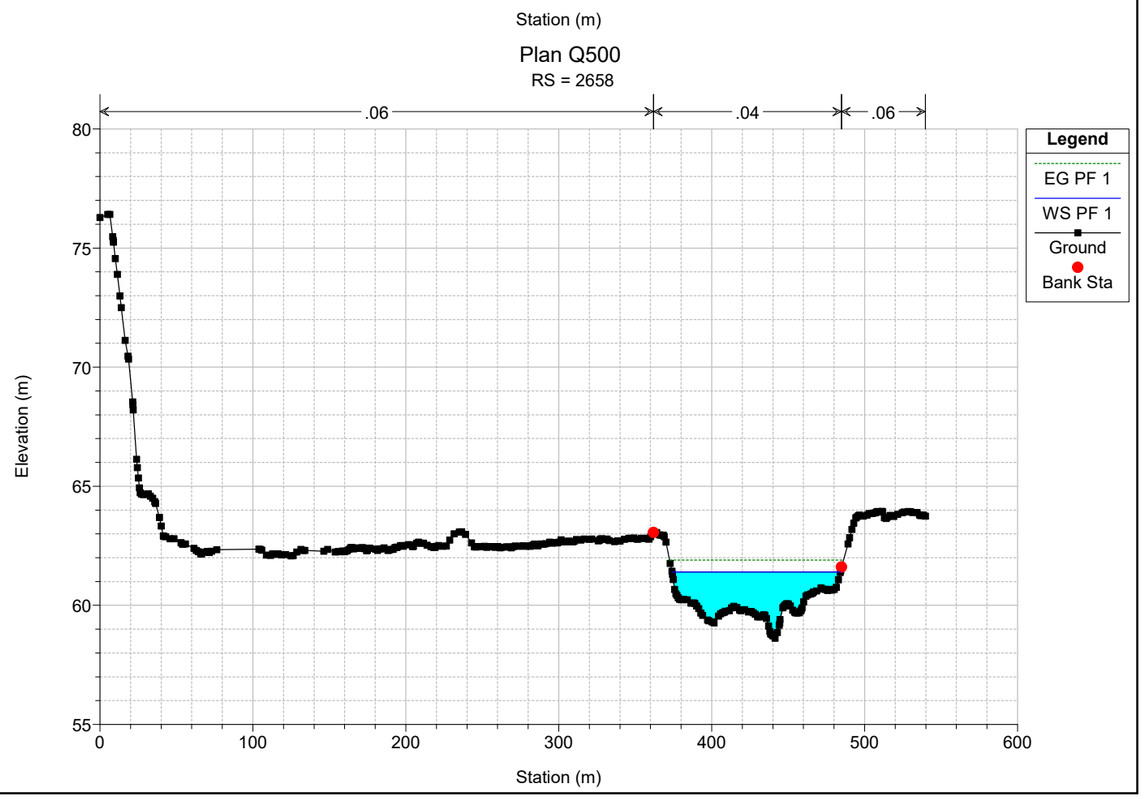

Plan Q500
RS = 2831
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

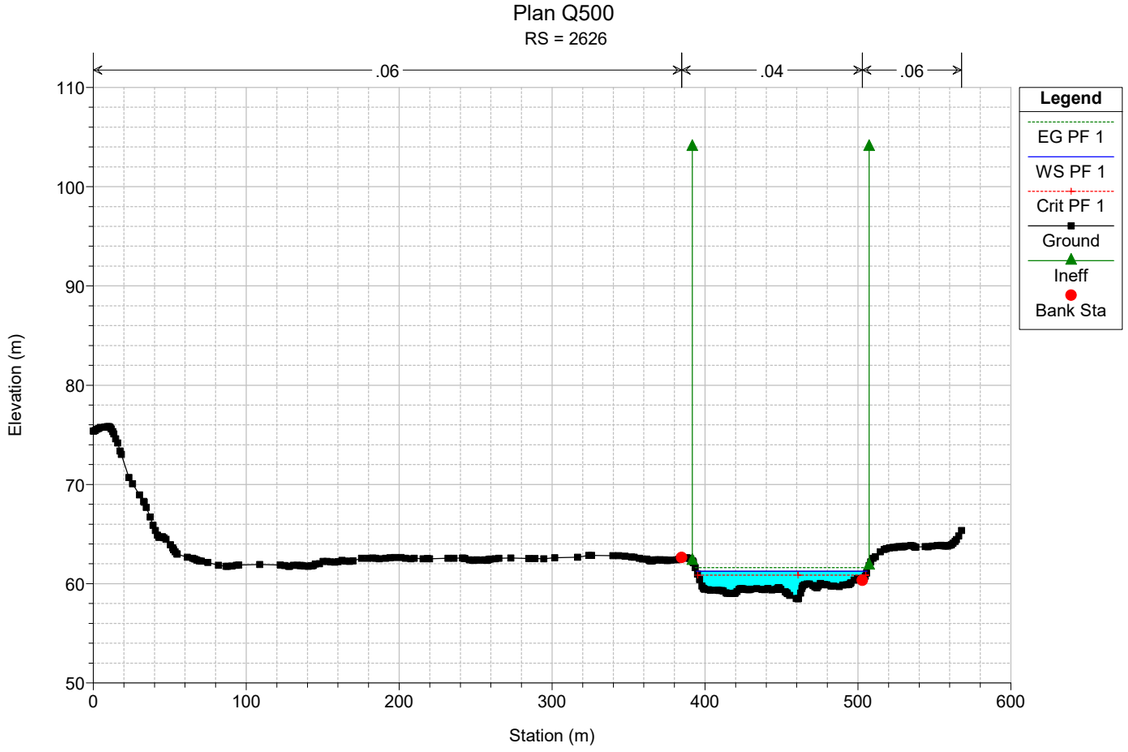

Plan Q500
RS = 2795
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

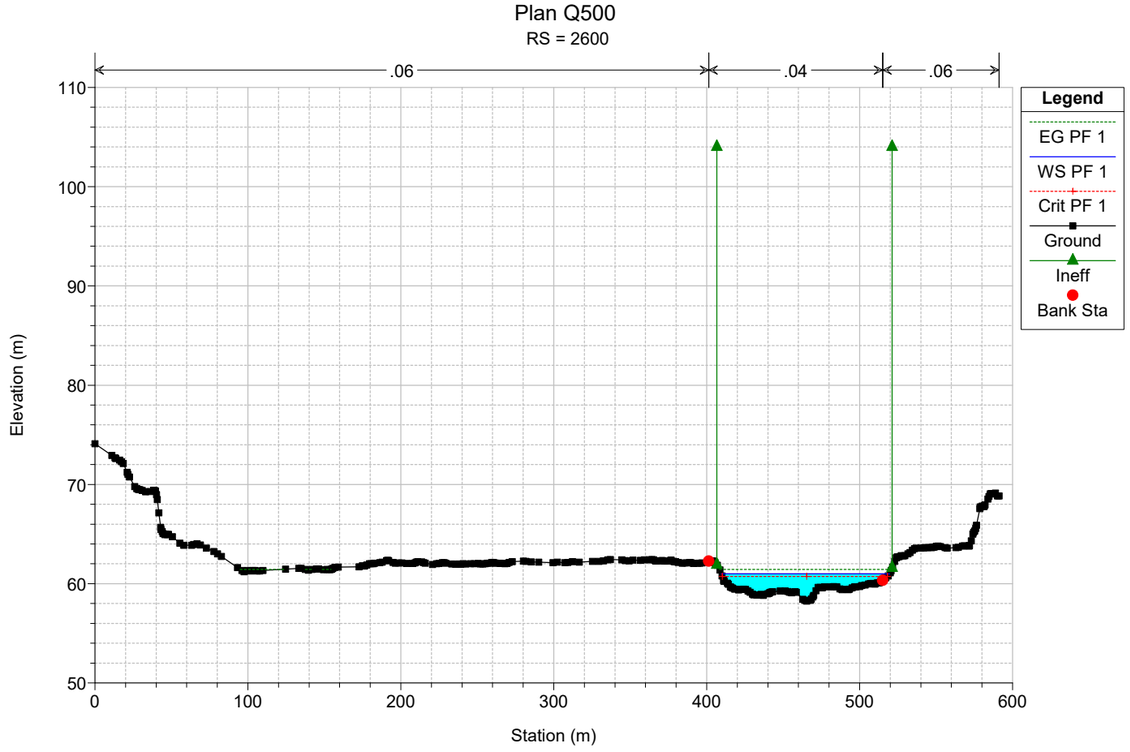

Plan Q500
RS = 2764
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

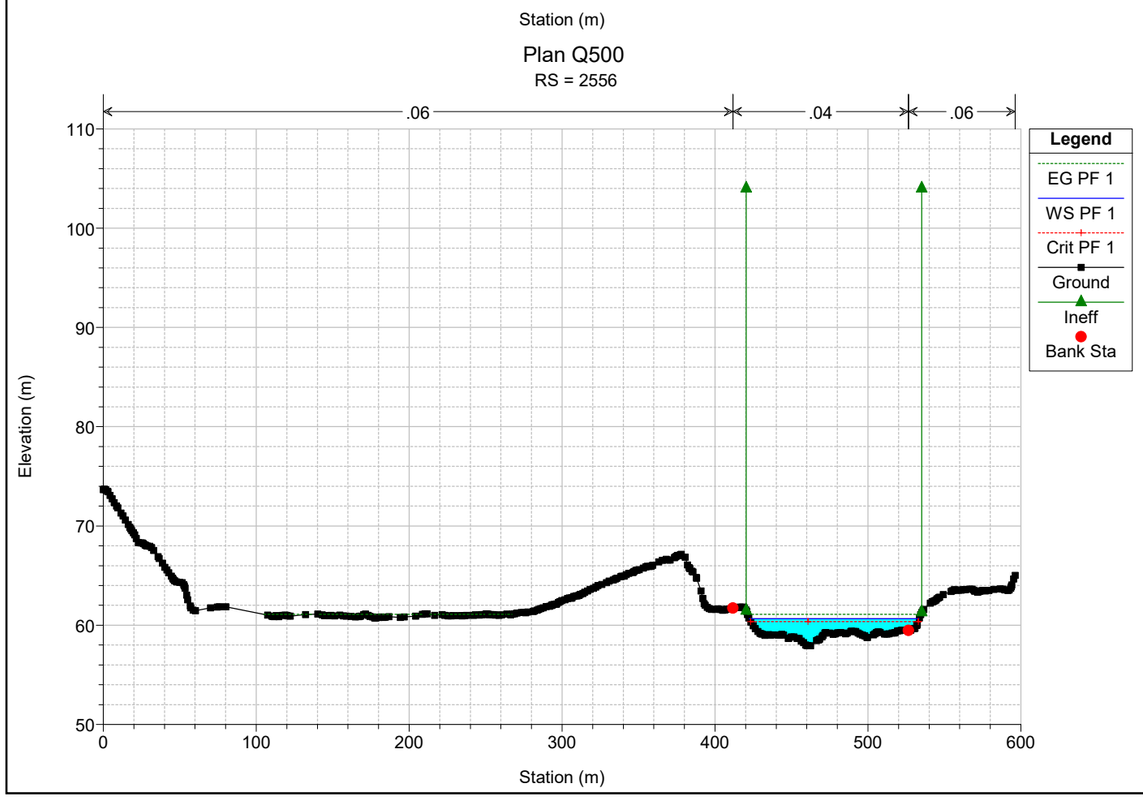

Plan Q500
RS = 2722
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

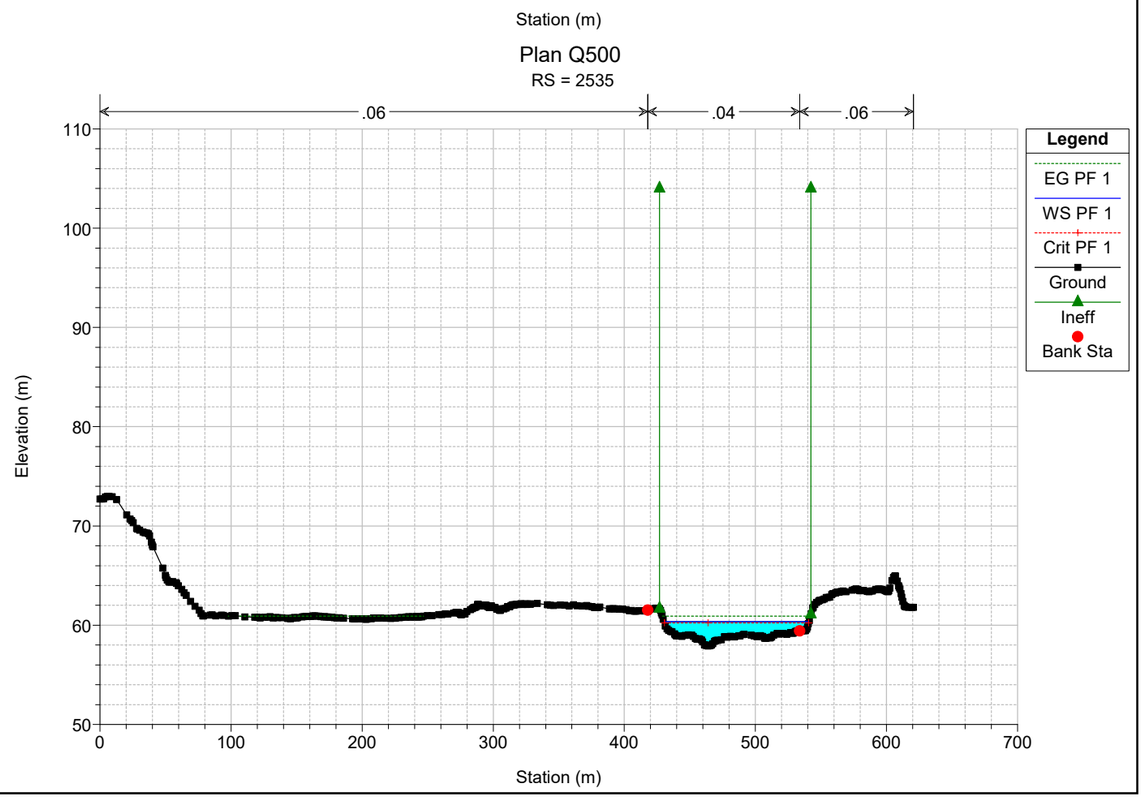

Plan Q500
RS = 2685
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

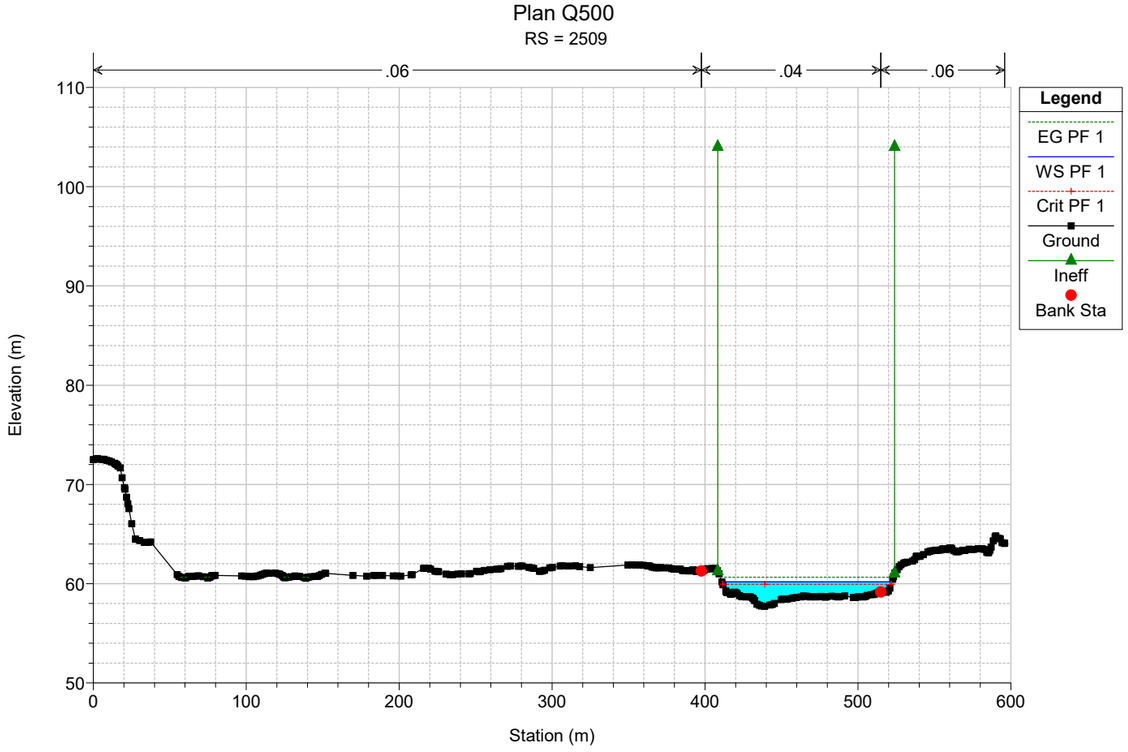

Plan Q500
RS = 2658
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

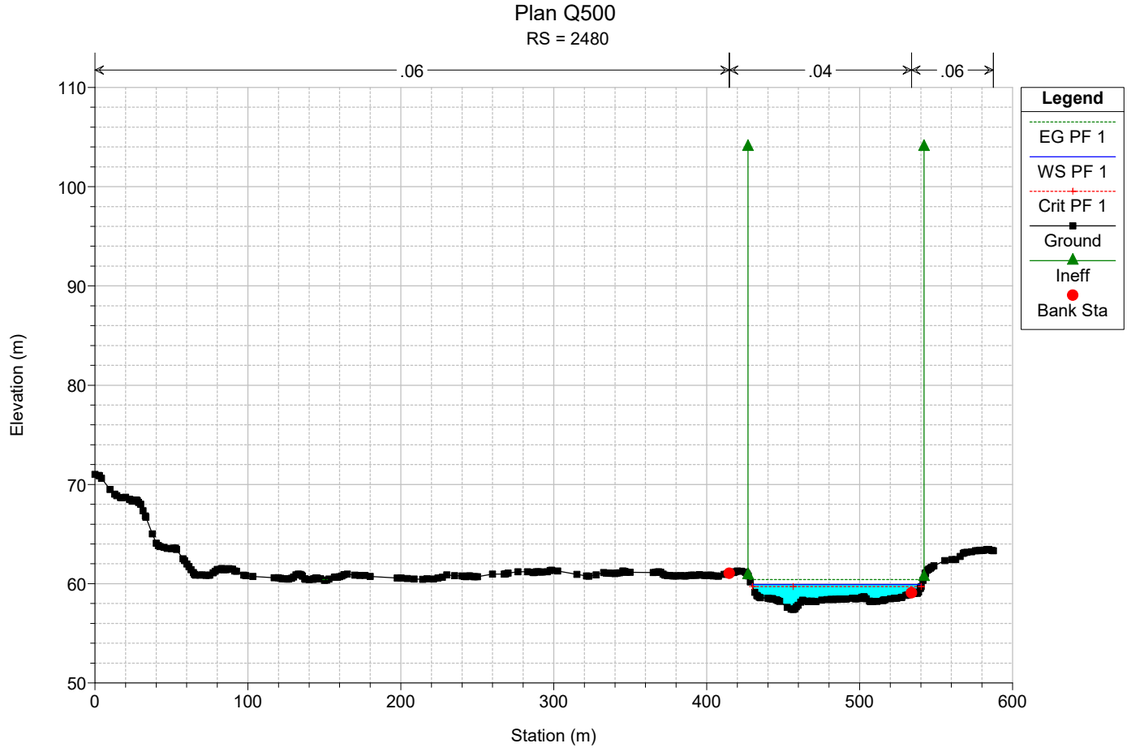

Plan Q500
RS = 2626
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

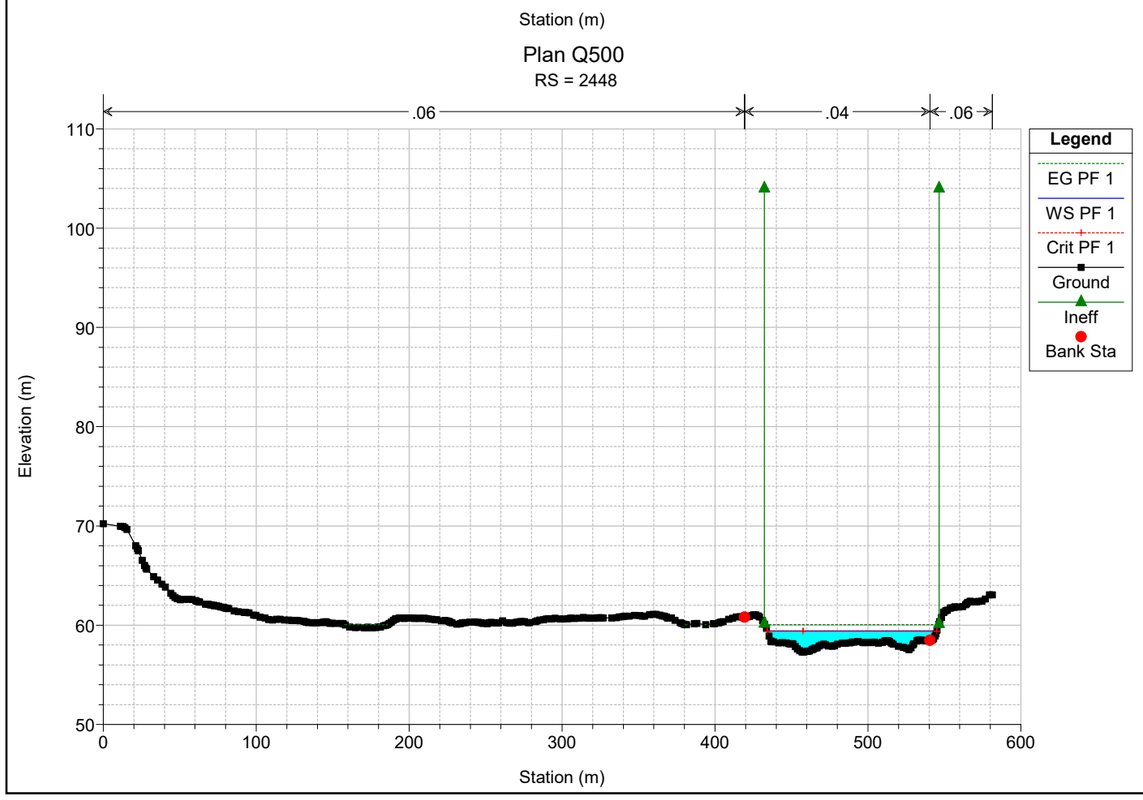

Plan Q500
RS = 2600
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

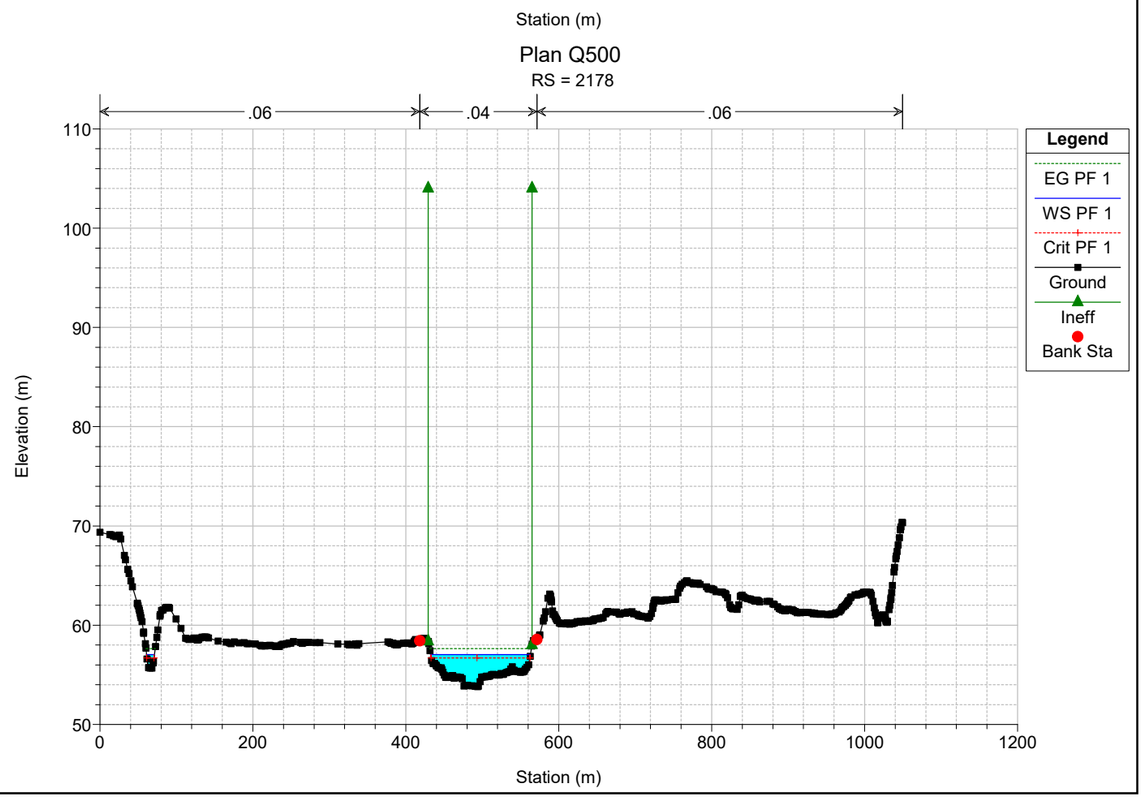

Plan Q500
RS = 2556
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

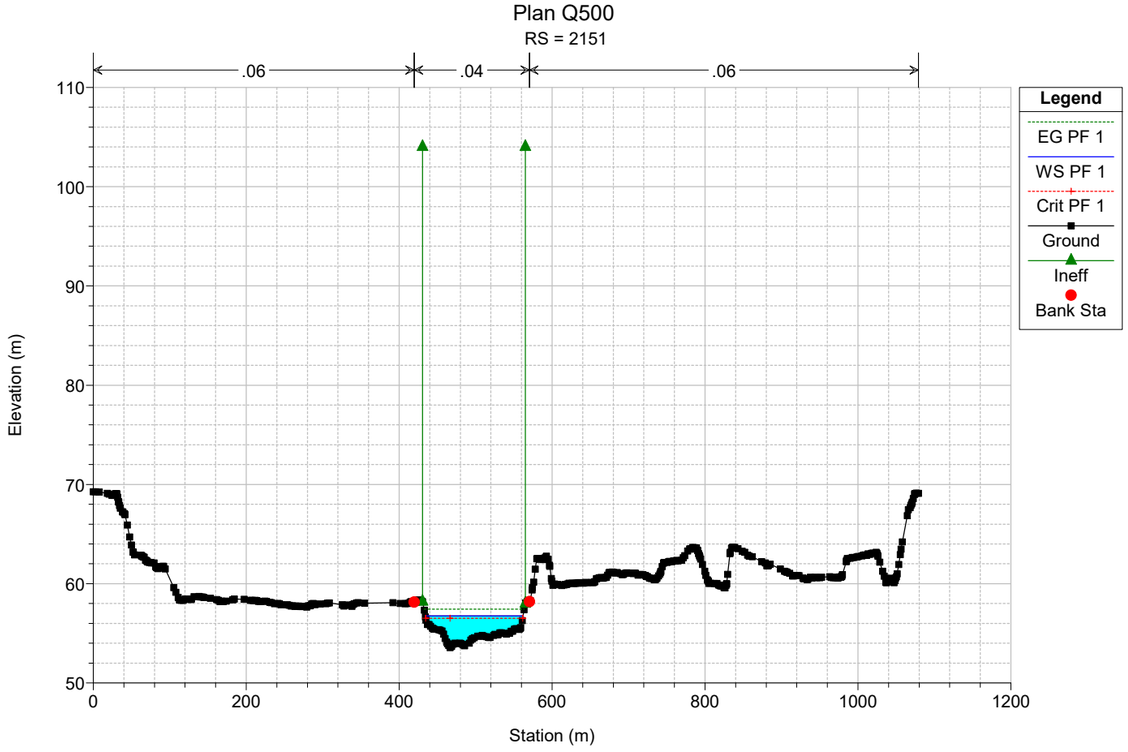

Plan Q500
RS = 2535
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

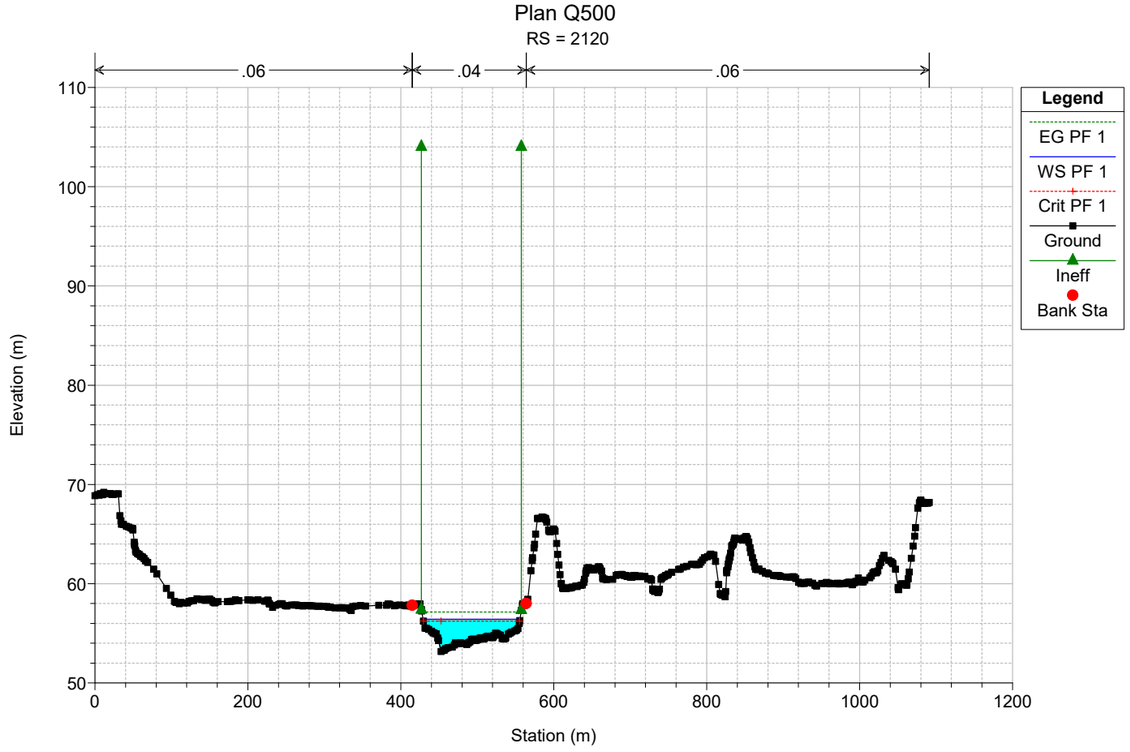

Plan Q500
RS = 2509
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

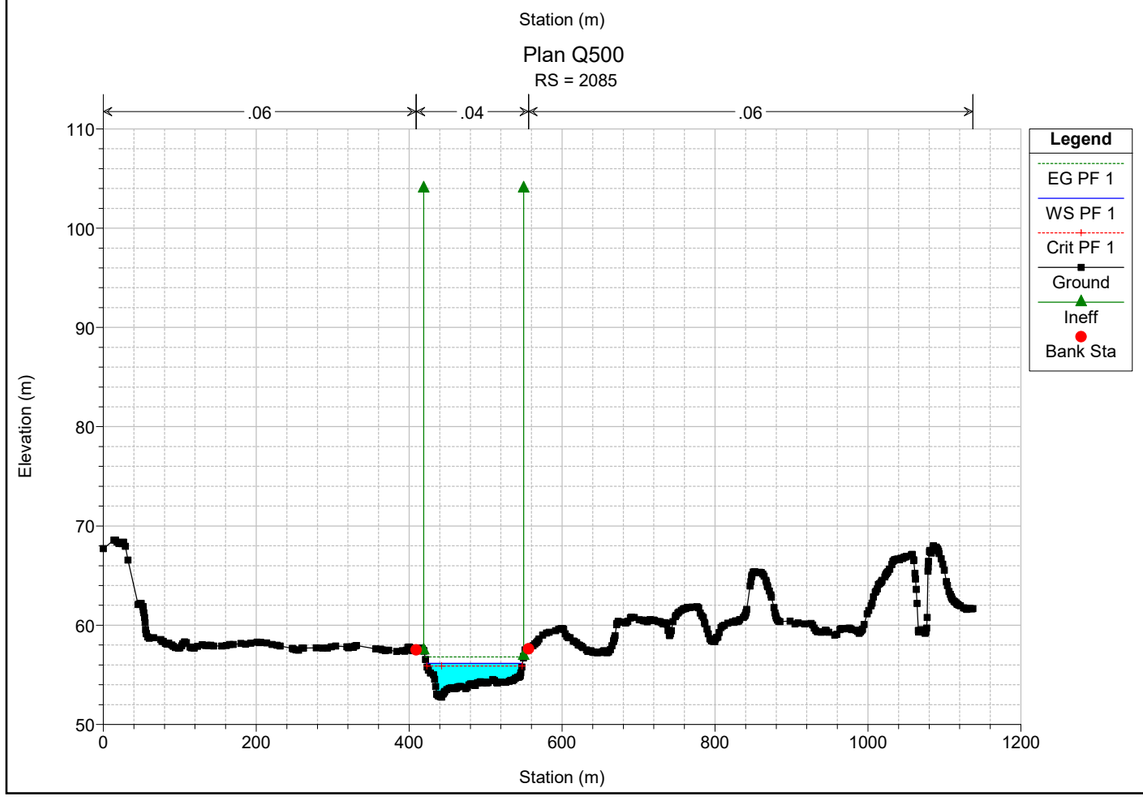

Plan Q500
RS = 2480
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

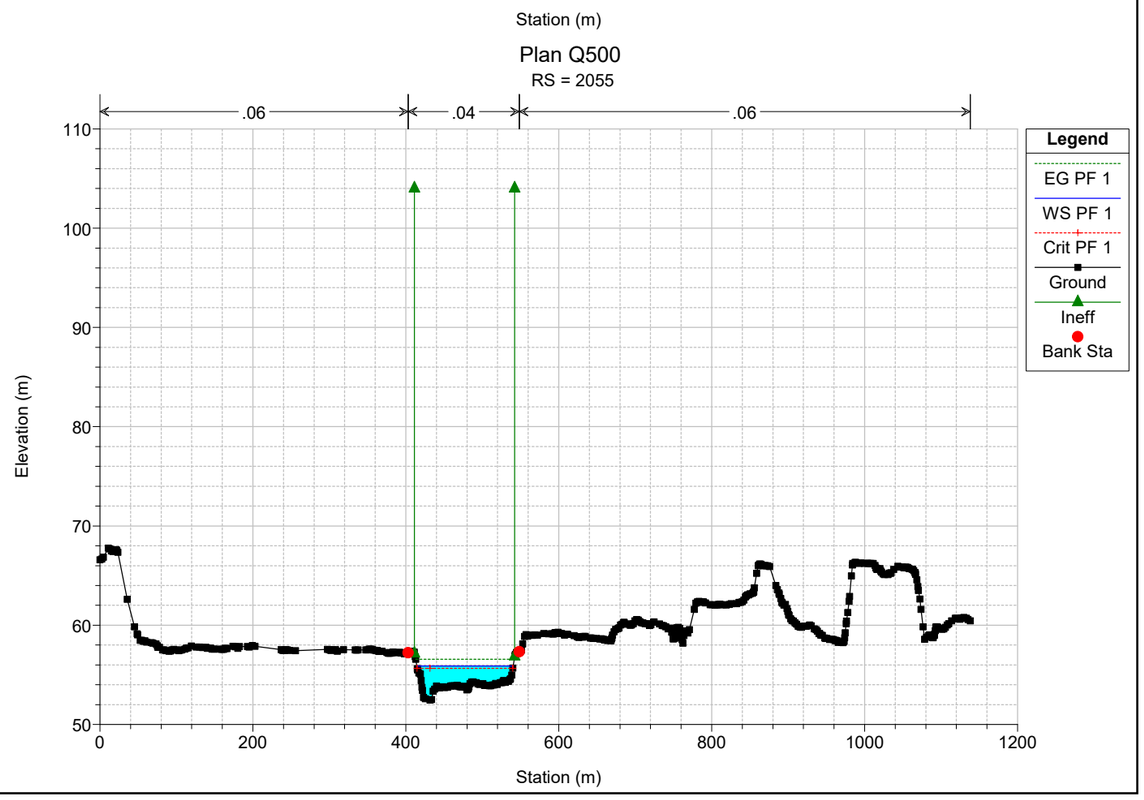

Plan Q500
RS = 2448
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500
600

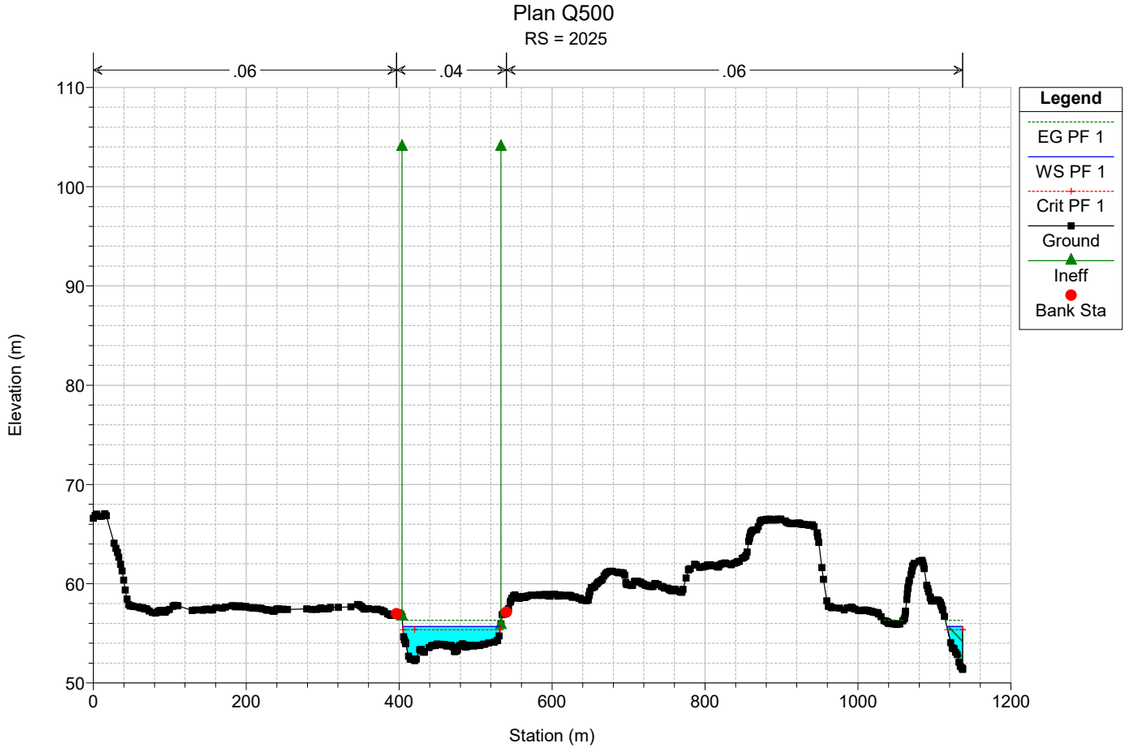

Plan Q500
RS = 2178
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

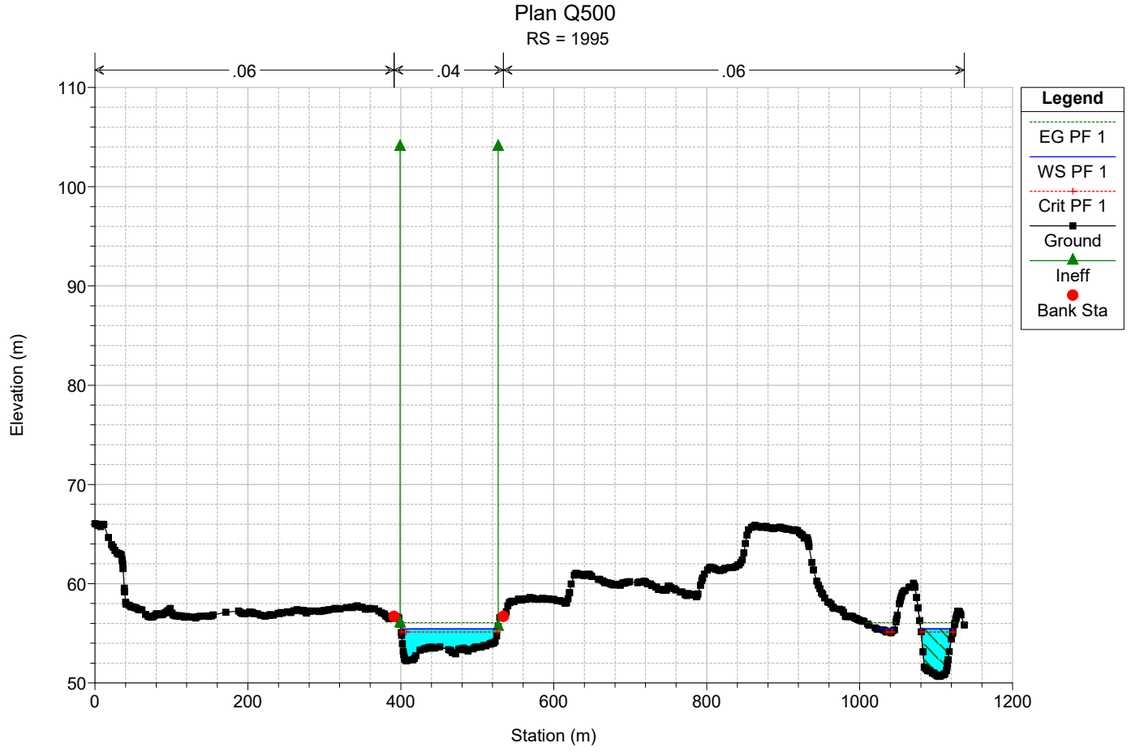

Plan Q500
RS = 2151
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

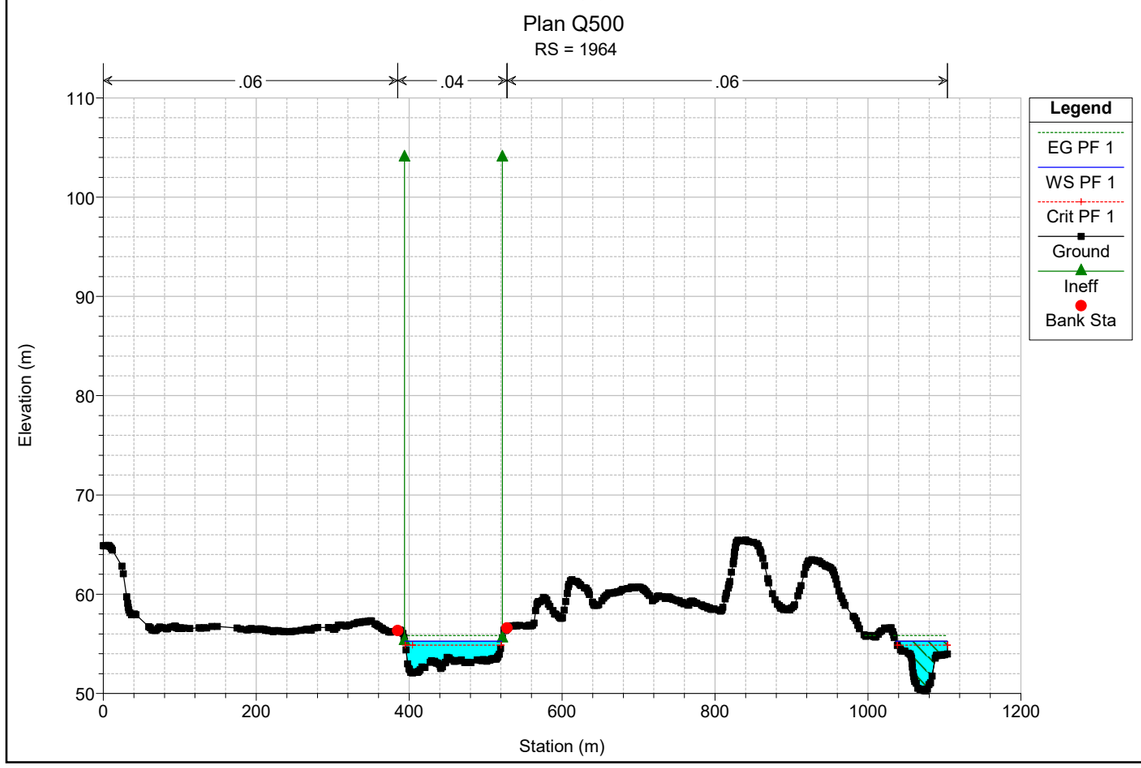

Plan Q500
RS = 2120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

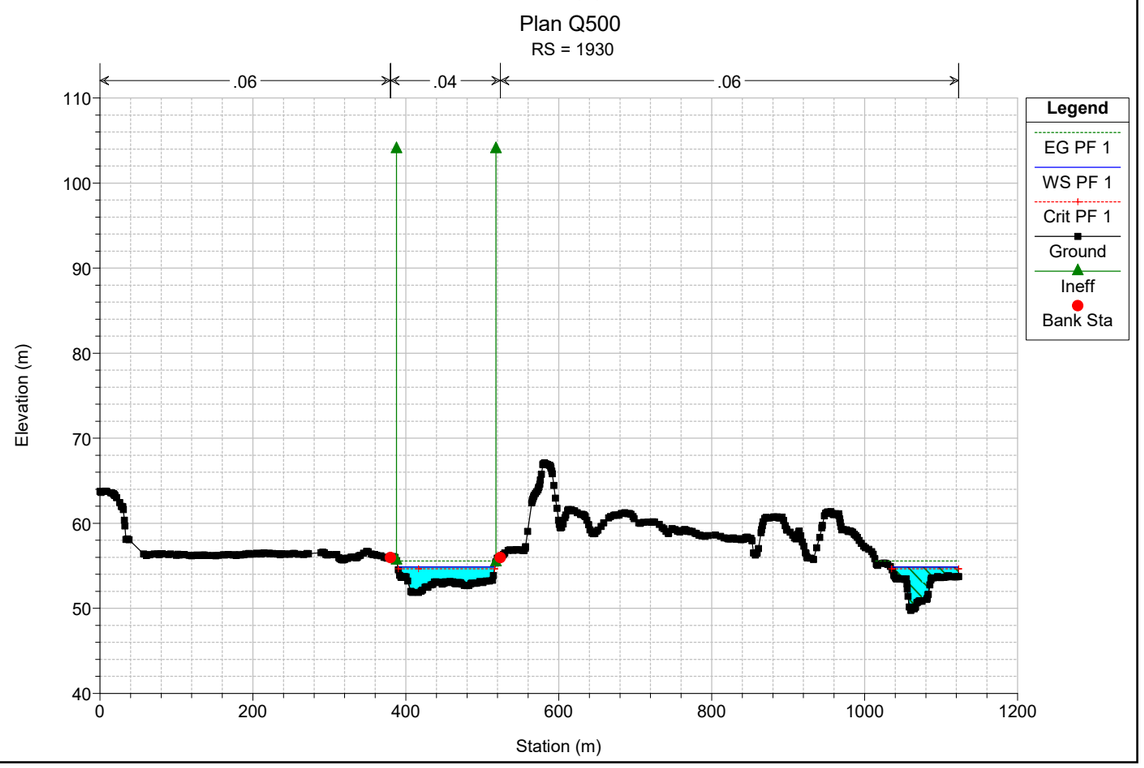

Plan Q500
RS = 2085
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

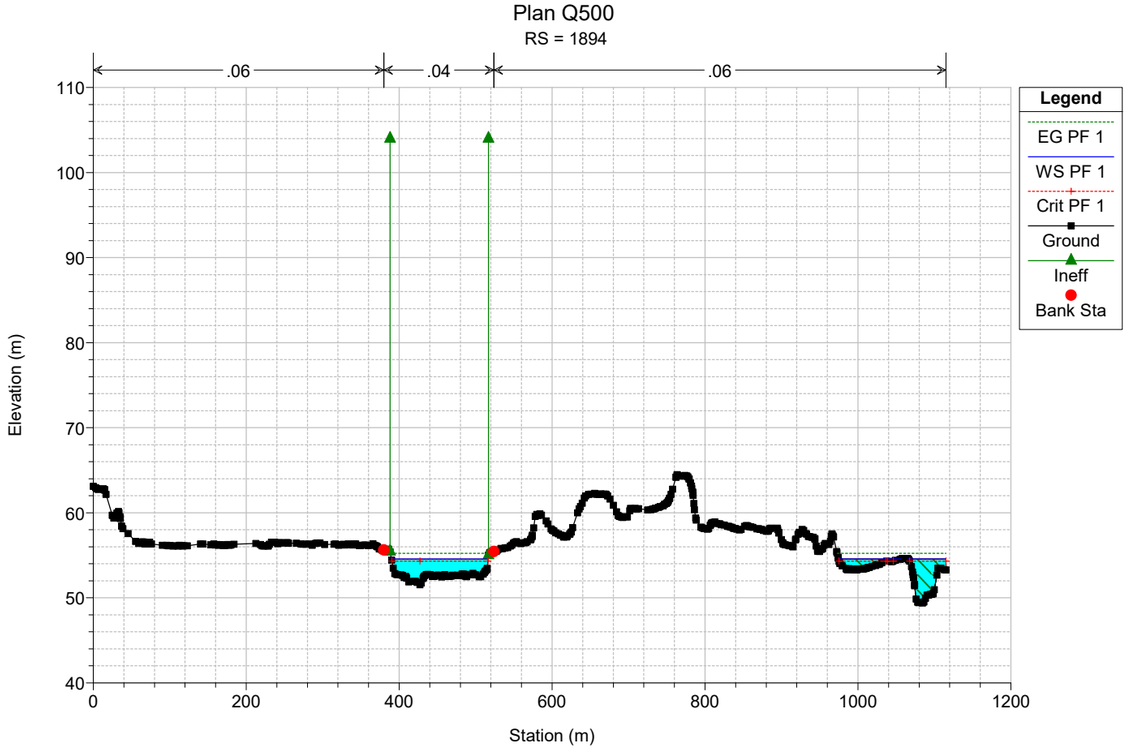

Plan Q500
RS = 2055
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

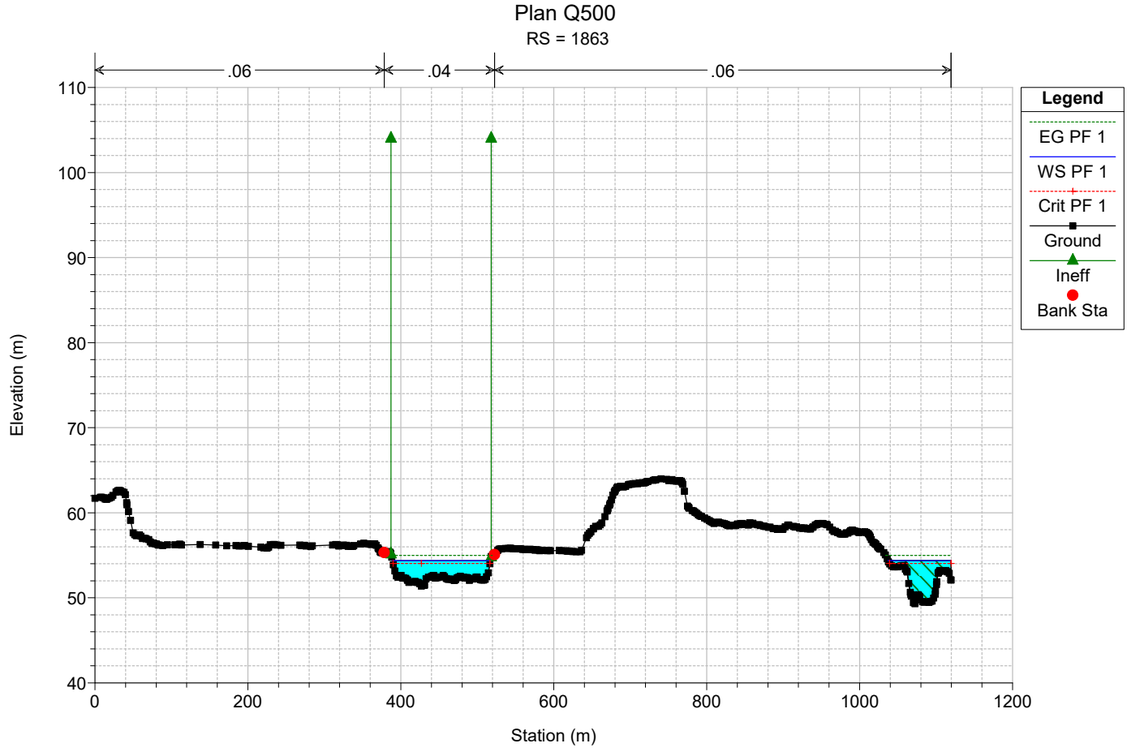

Plan Q500
RS = 2025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

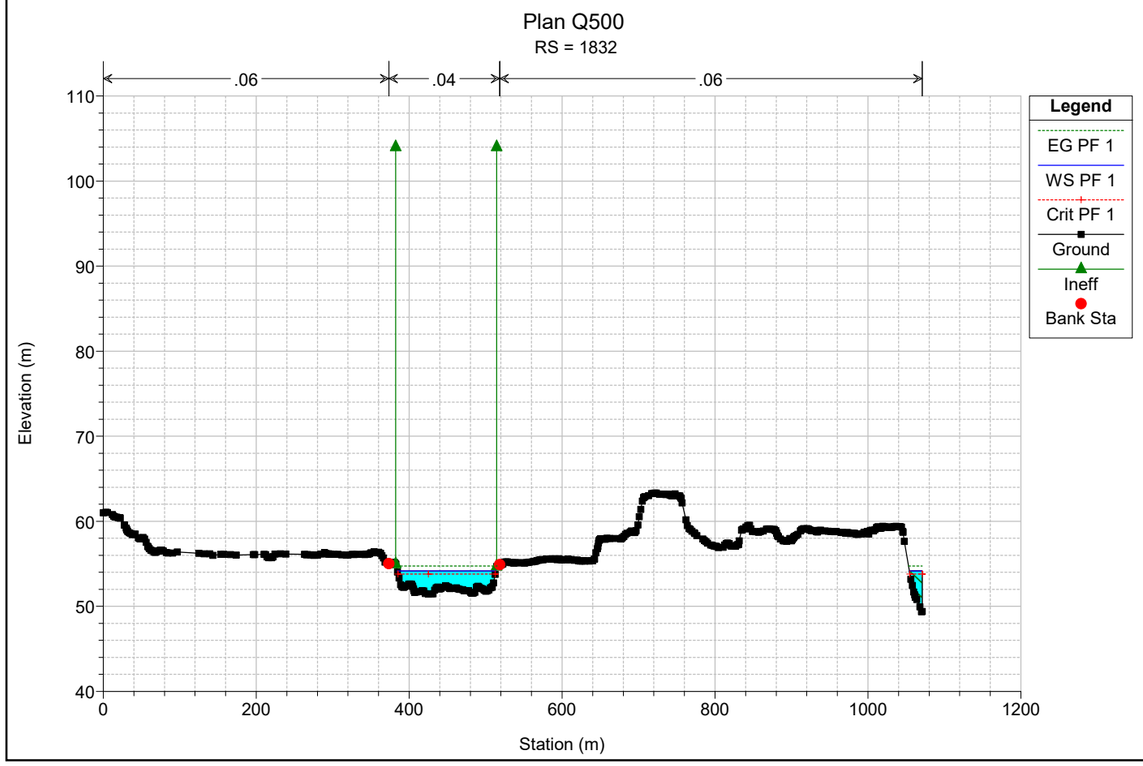

Plan Q500
RS = 1995
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

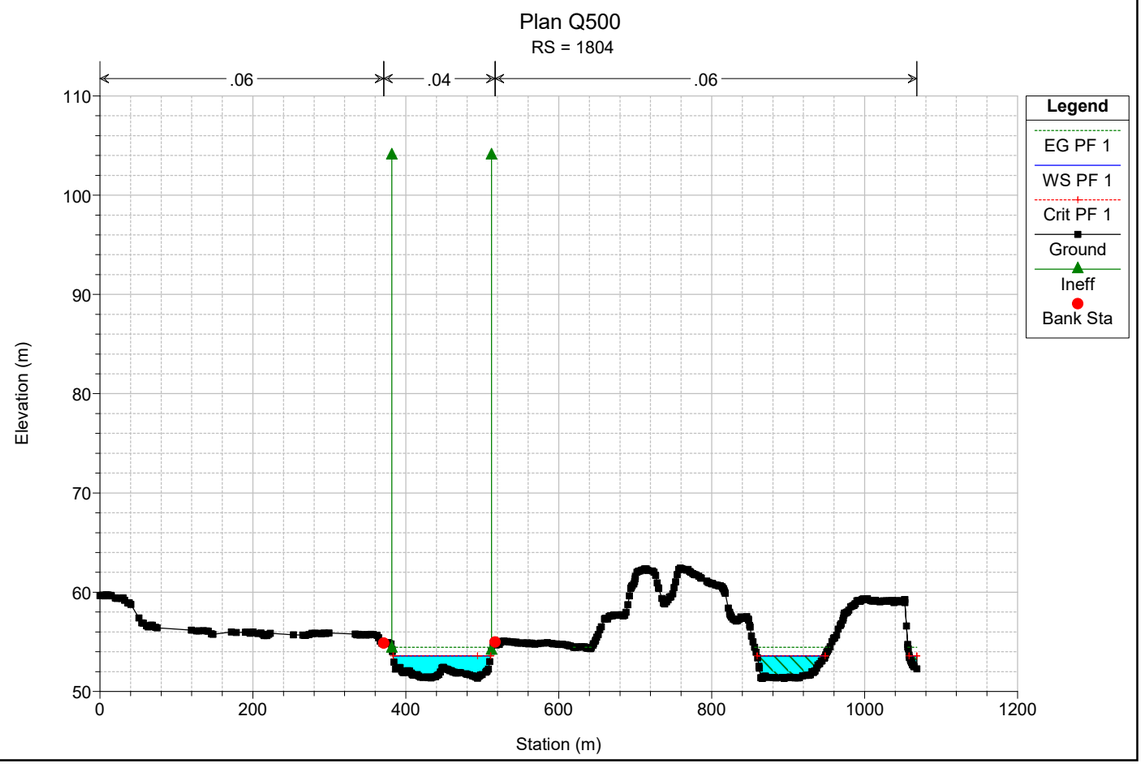

Plan Q500
RS = 1964
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

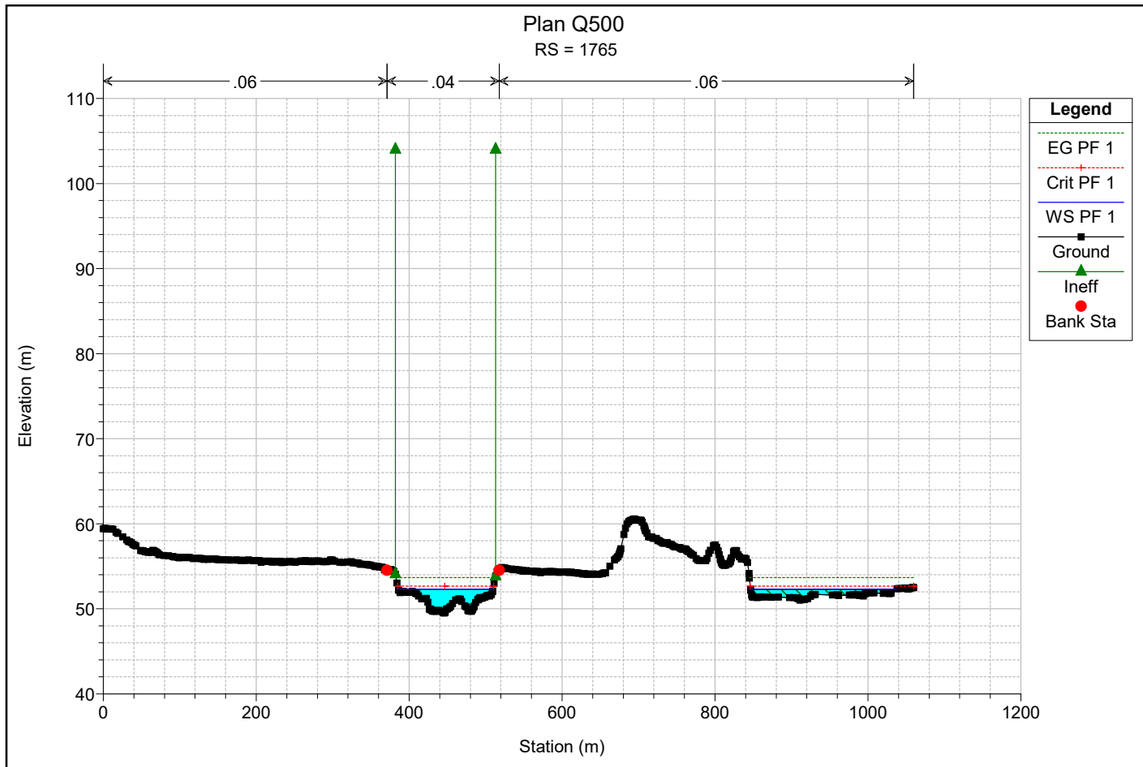

Plan Q500
RS = 1930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

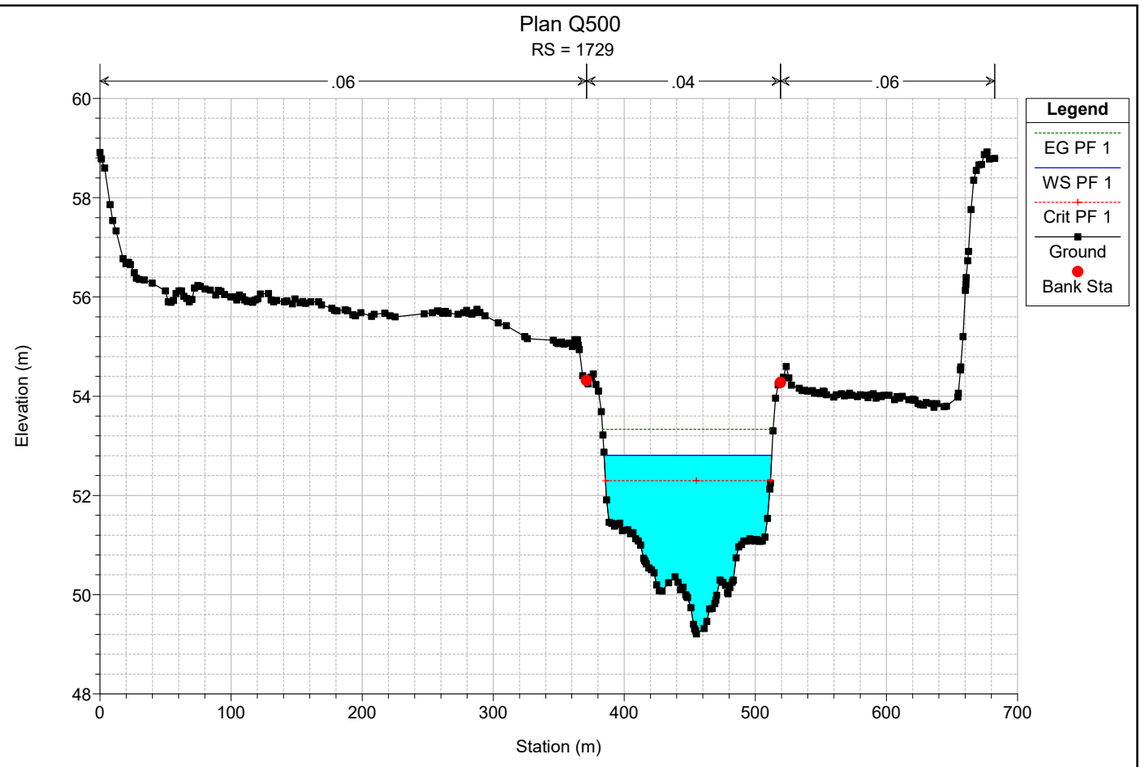

Plan Q500
RS = 1894
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

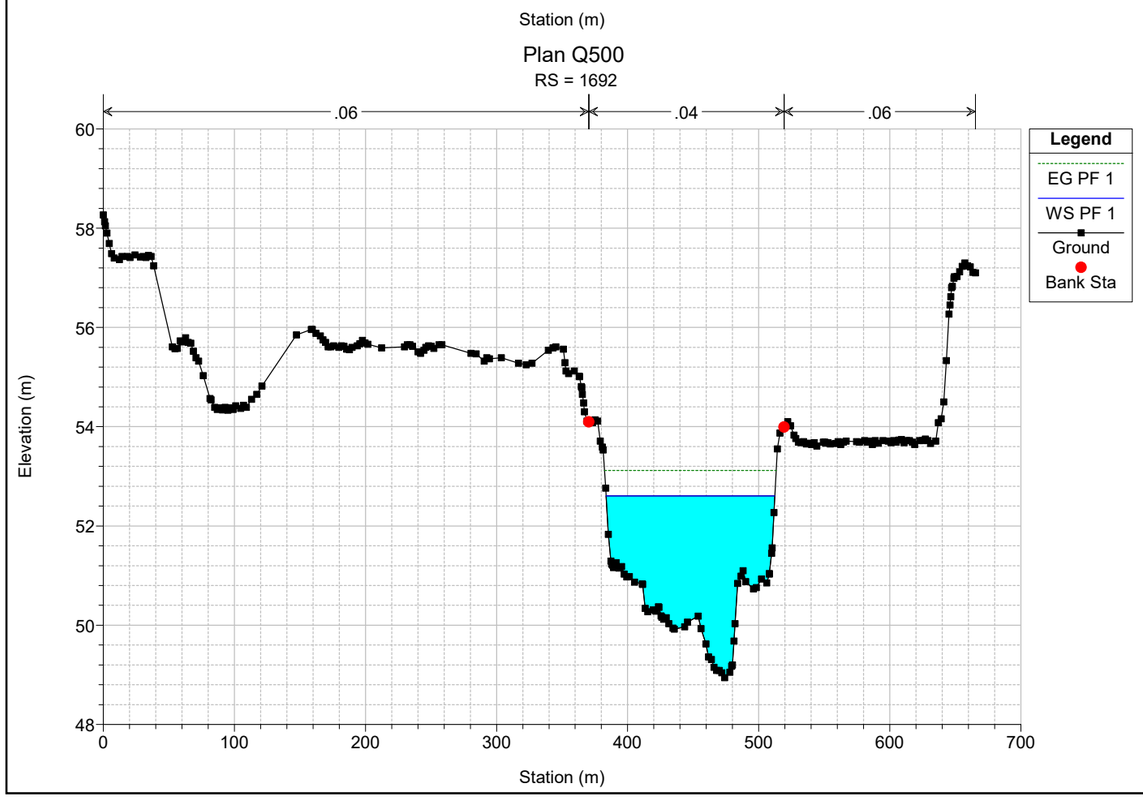

Plan Q500
RS = 1863
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

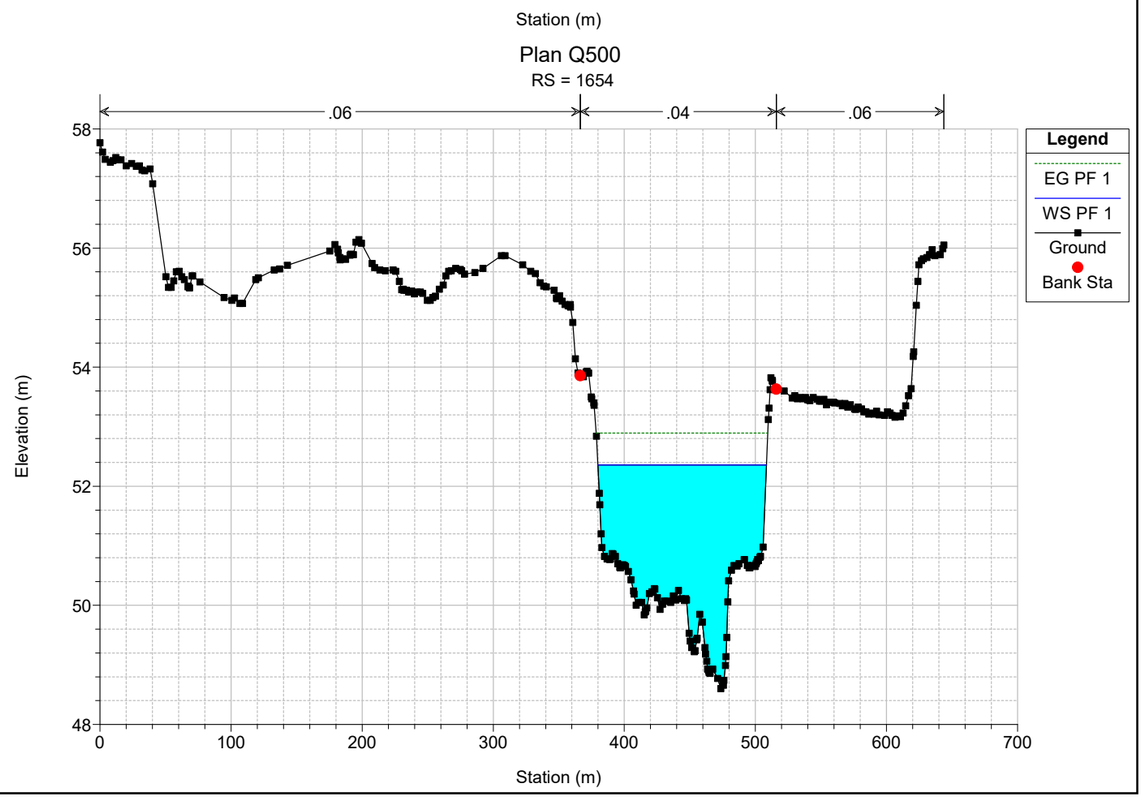

Plan Q500
RS = 1832
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

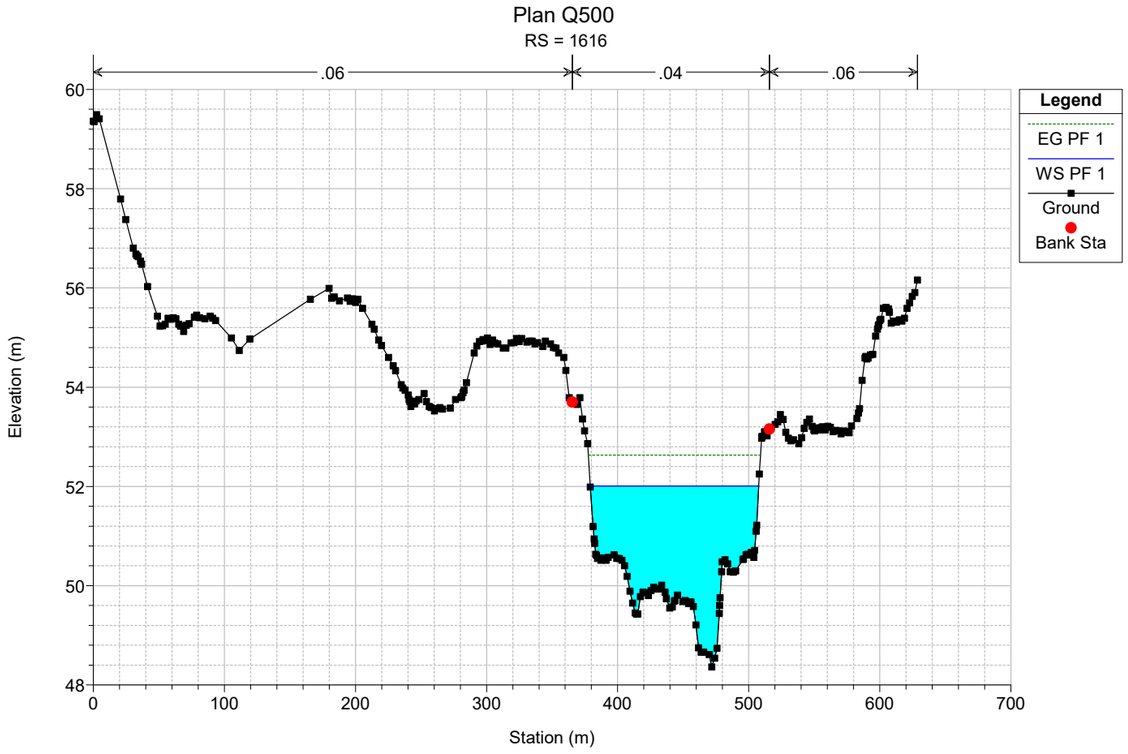

Plan Q500
RS = 1804
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
200
400
600
800
1000
1200

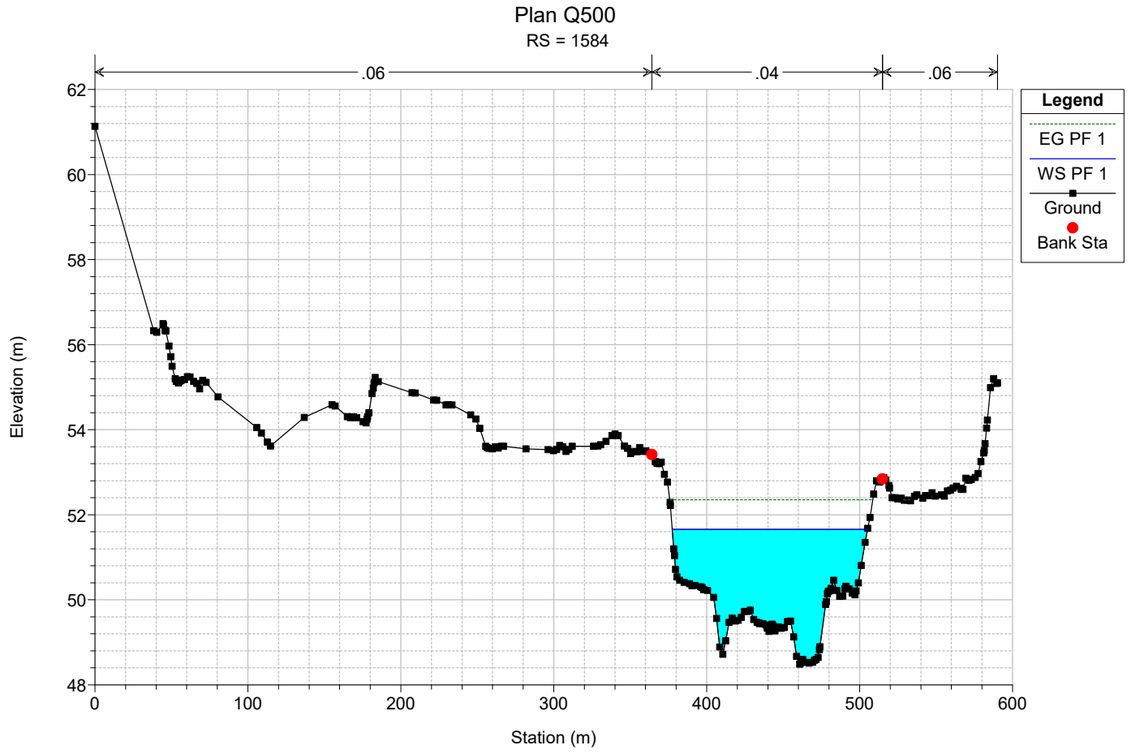

Plan Q500
RS = 1765
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

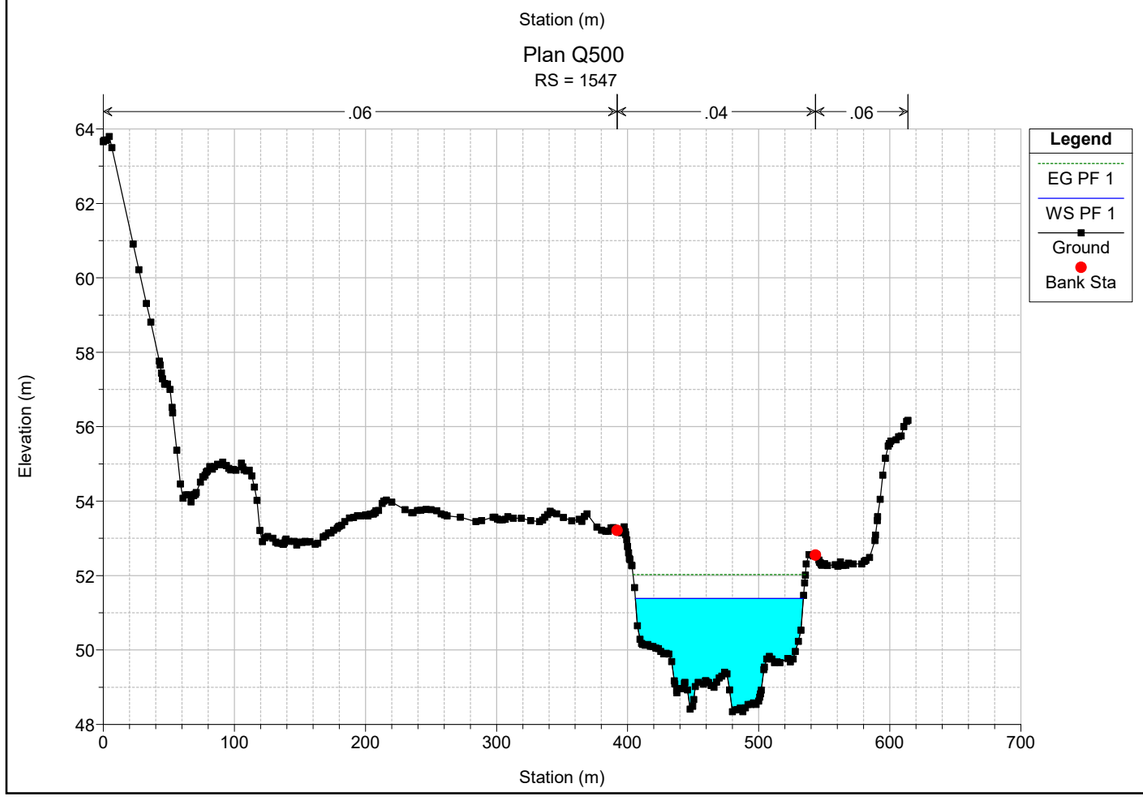

Plan Q500
RS = 1729
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

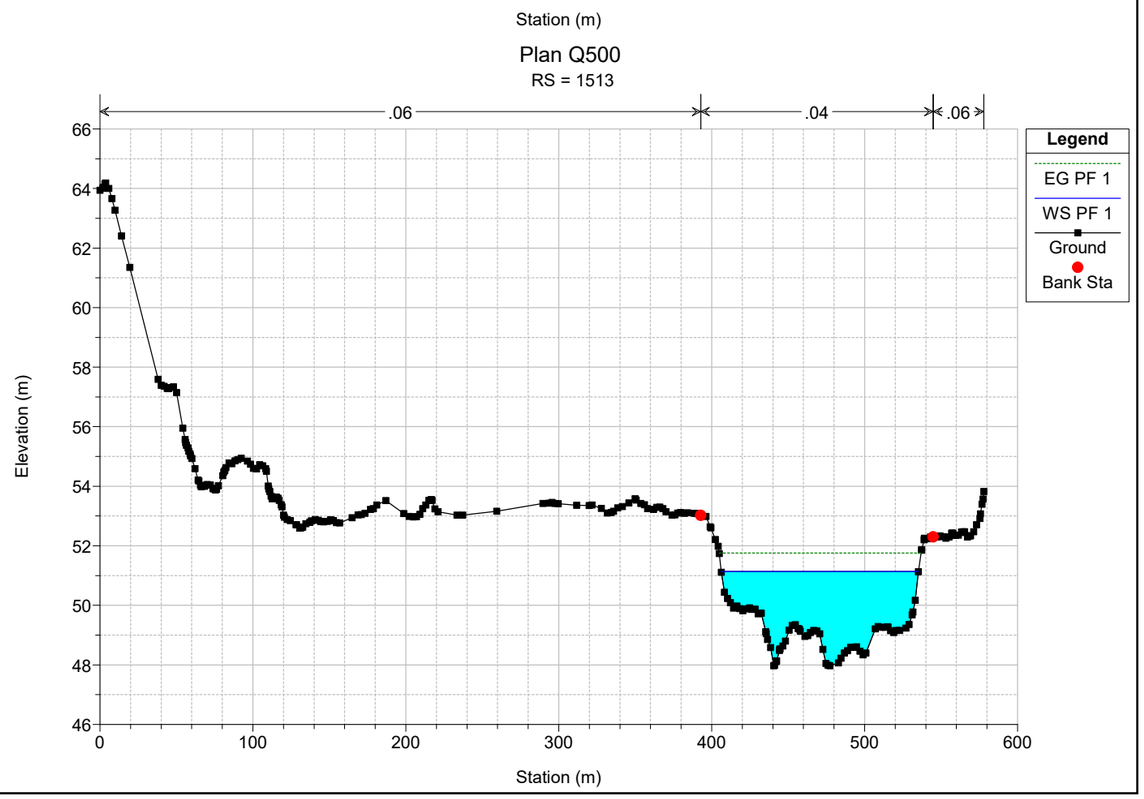

Plan Q500
RS = 1692
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

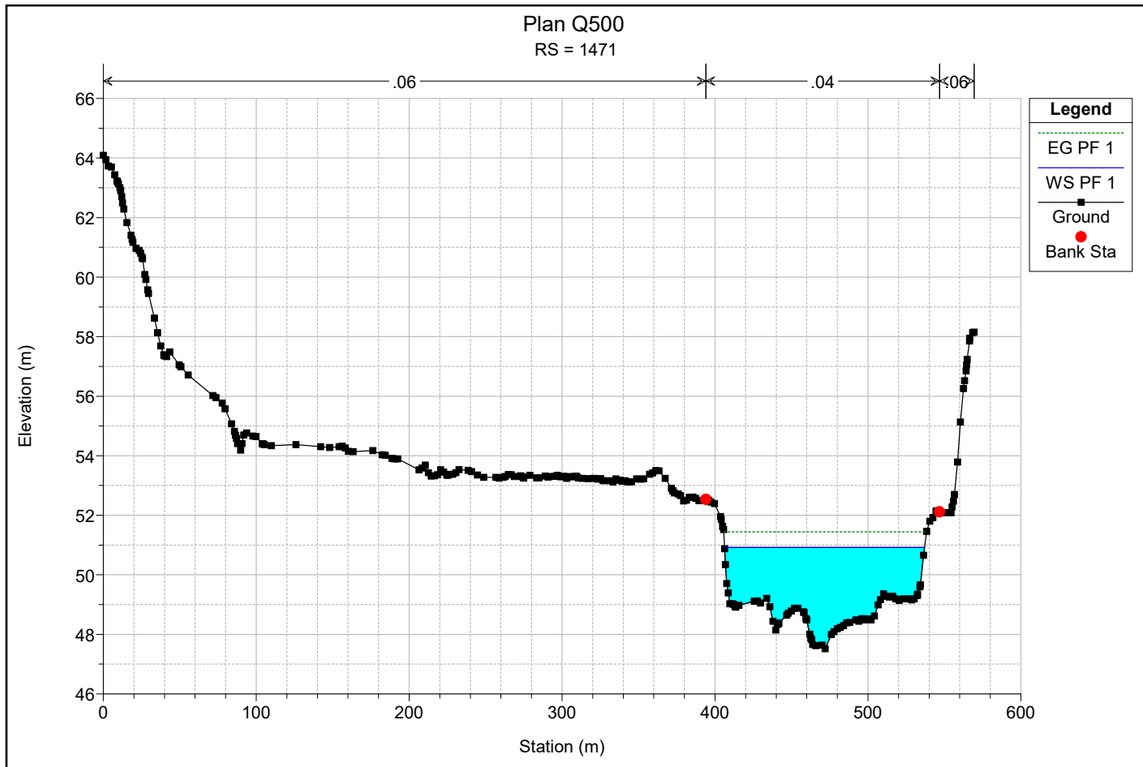

Plan Q500
RS = 1654
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

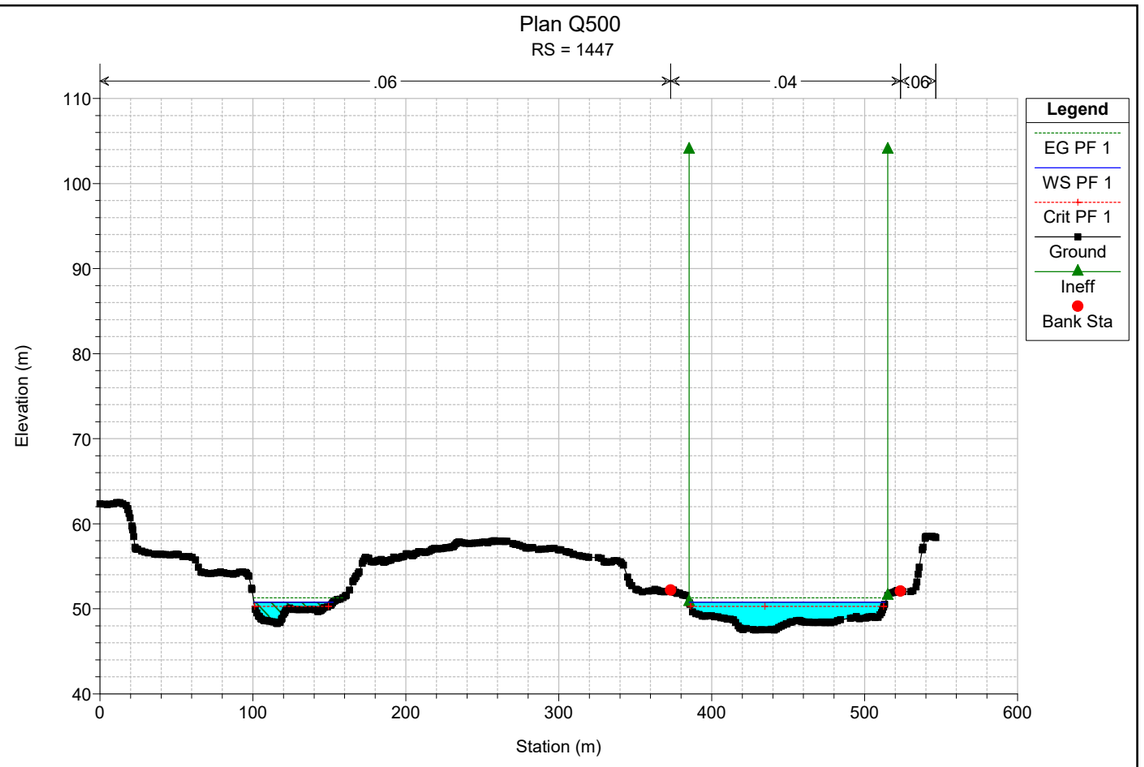

Plan Q500
RS = 1616
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
60
58
56
54
52
50
48
0
100
200
300
400
500
600
700

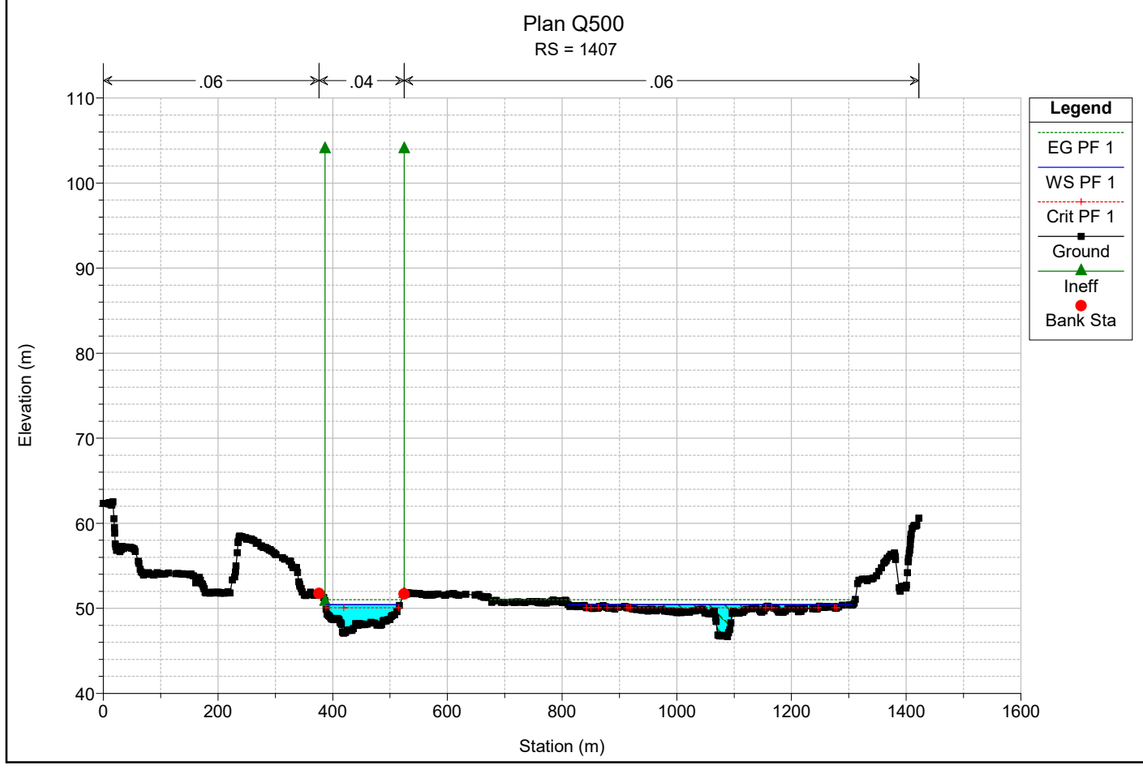

Plan Q500
RS = 1584
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
62
60
58
56
54
52
50
48
0
100
200
300
400
500
600

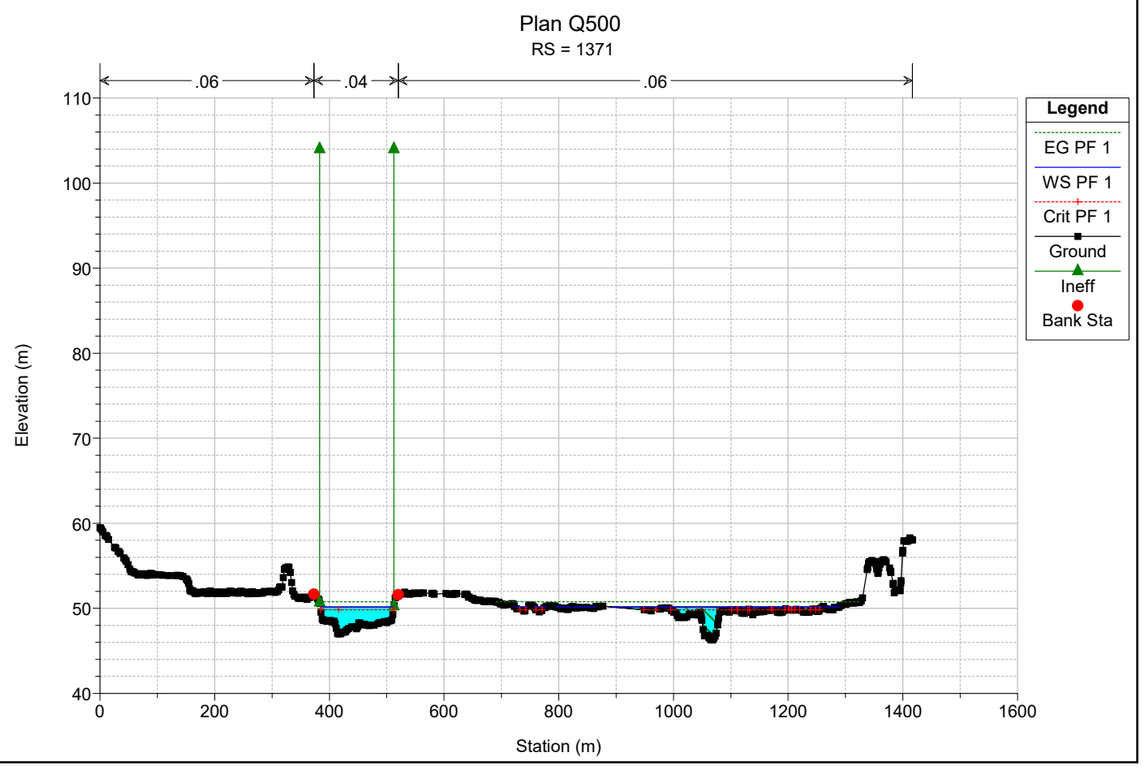

Plan Q500
RS = 1547
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
64
62
60
58
56
54
52
50
48
0
100
200
300
400
500
600
700

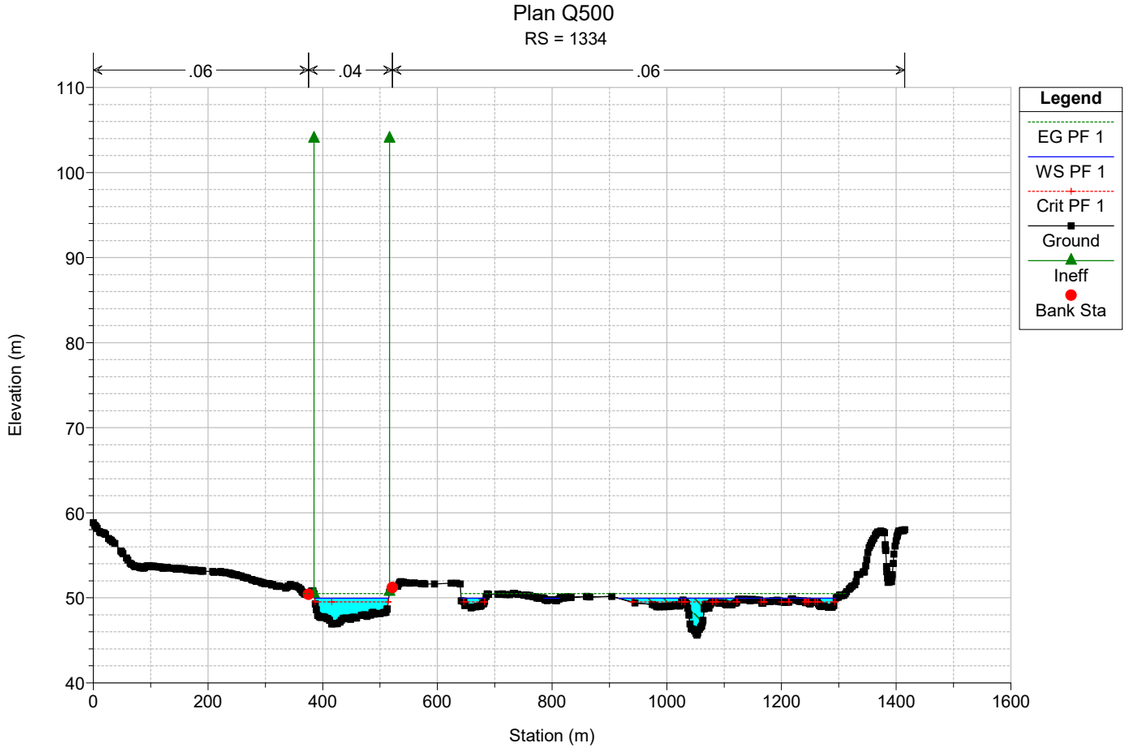

Plan Q500
RS = 1513
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
54
52
50
48
46
0
100
200
300
400
500
600

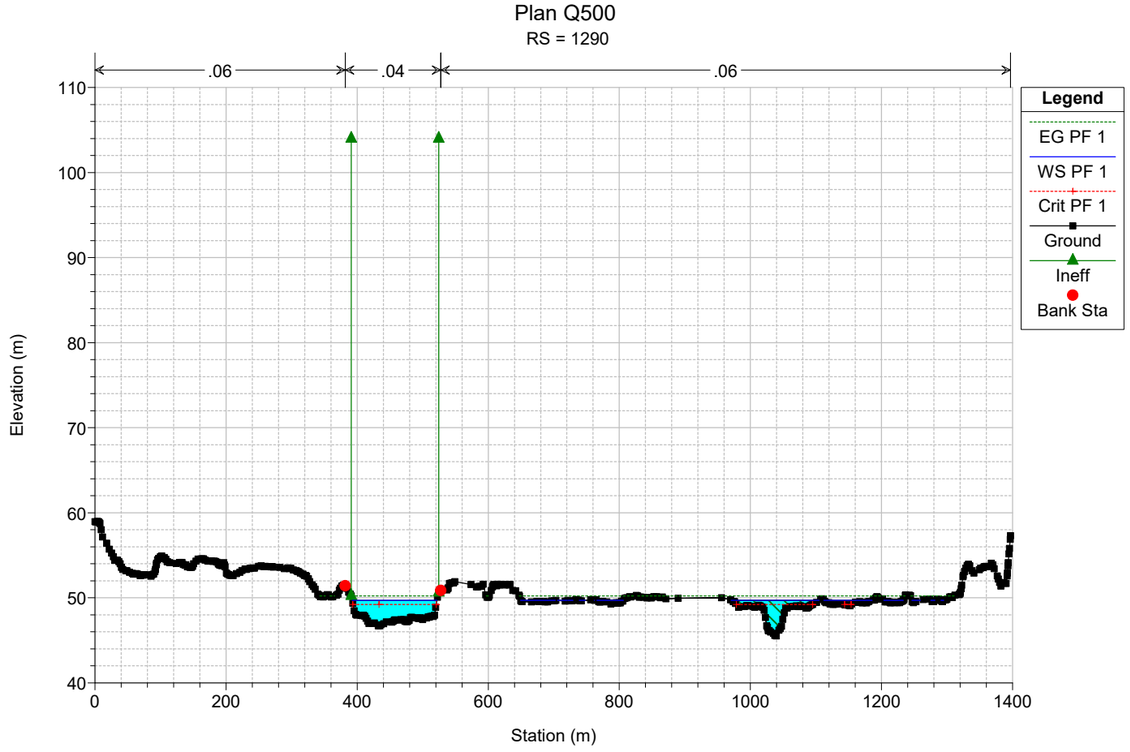

Plan Q500
RS = 1471
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

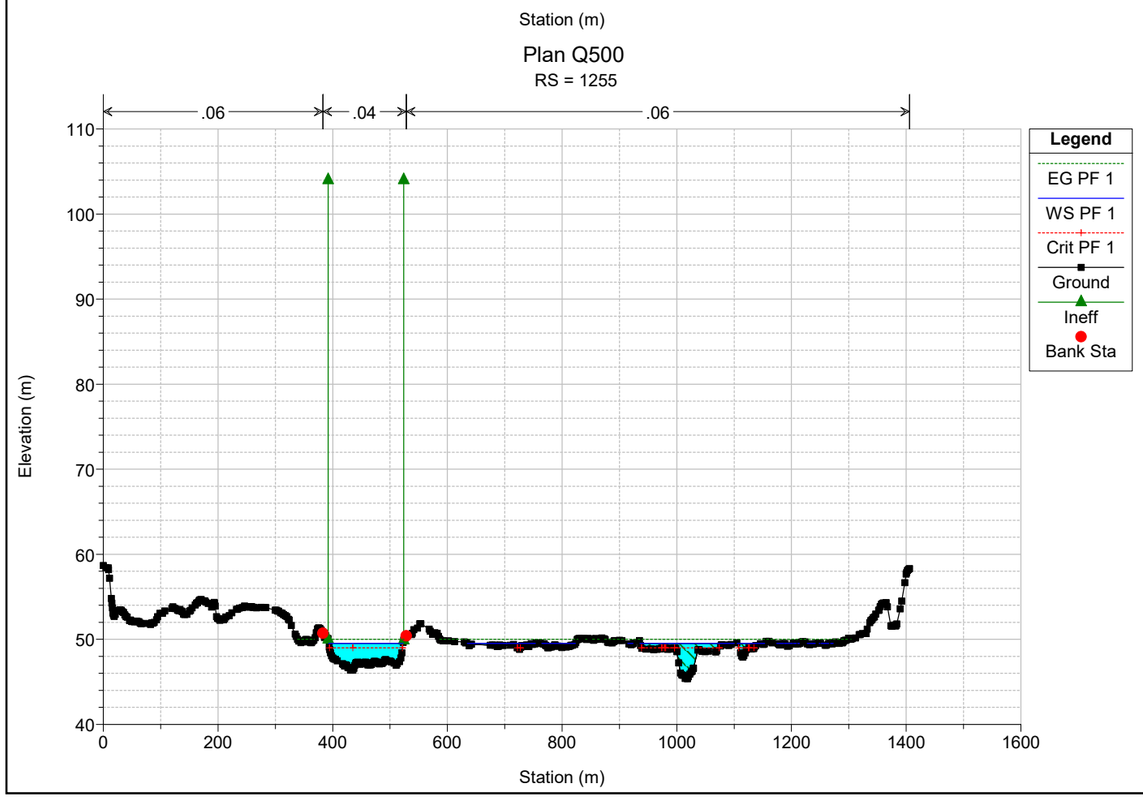

Plan Q500
RS = 1447
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

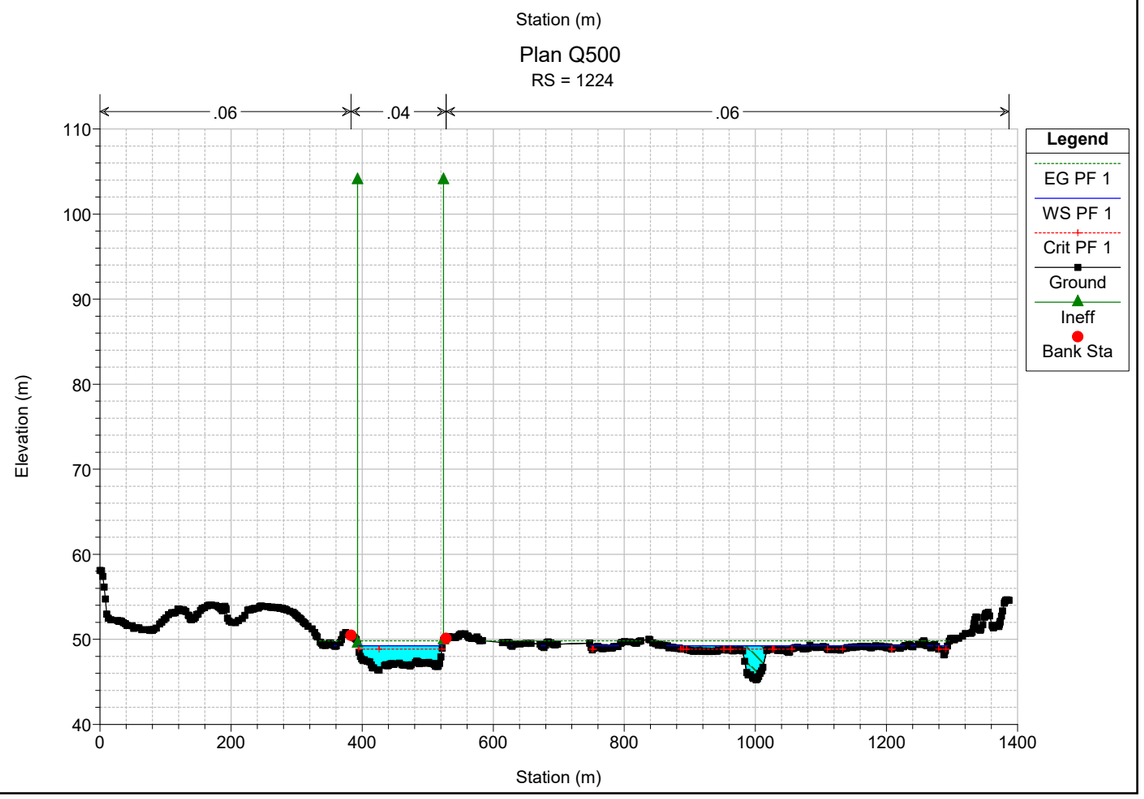

Plan Q500
RS = 1407
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

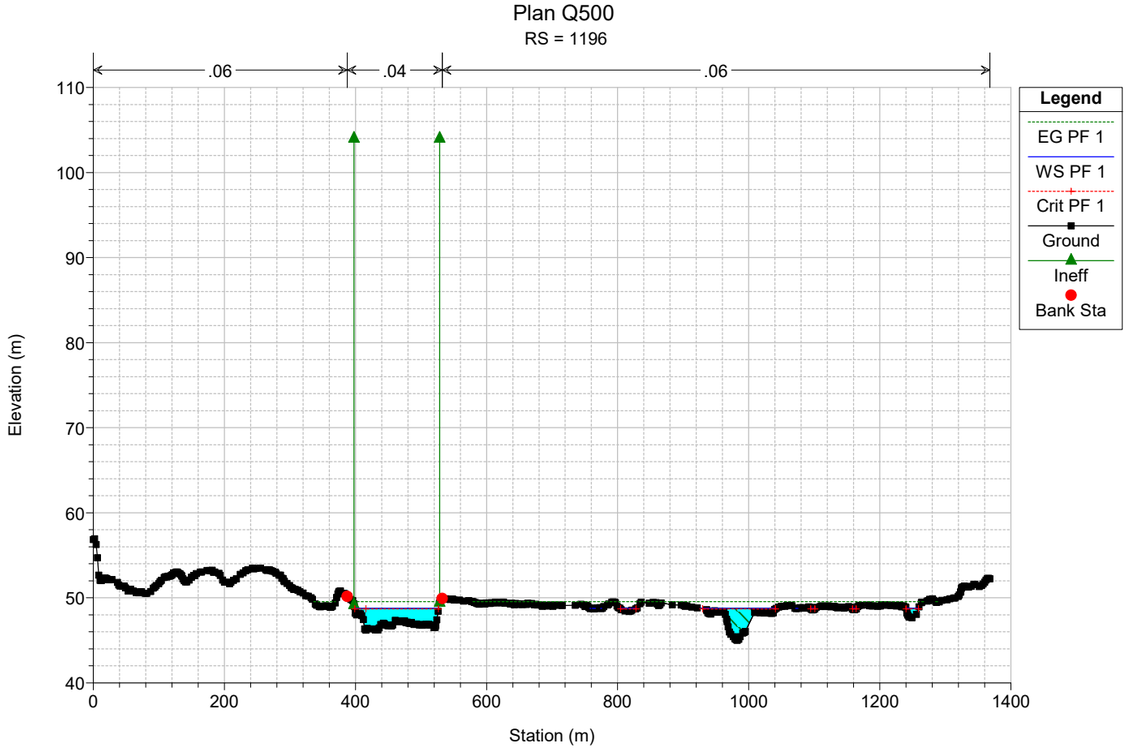

Plan Q500
RS = 1371
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

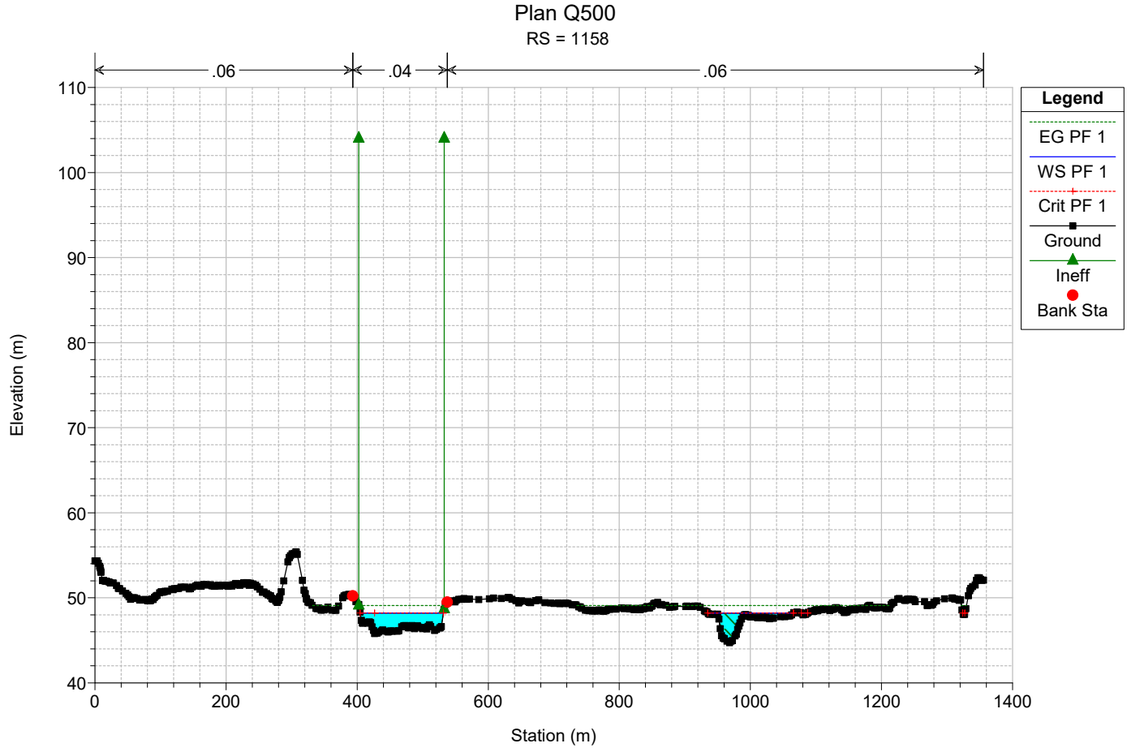

Plan Q500
RS = 1334
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400
1600

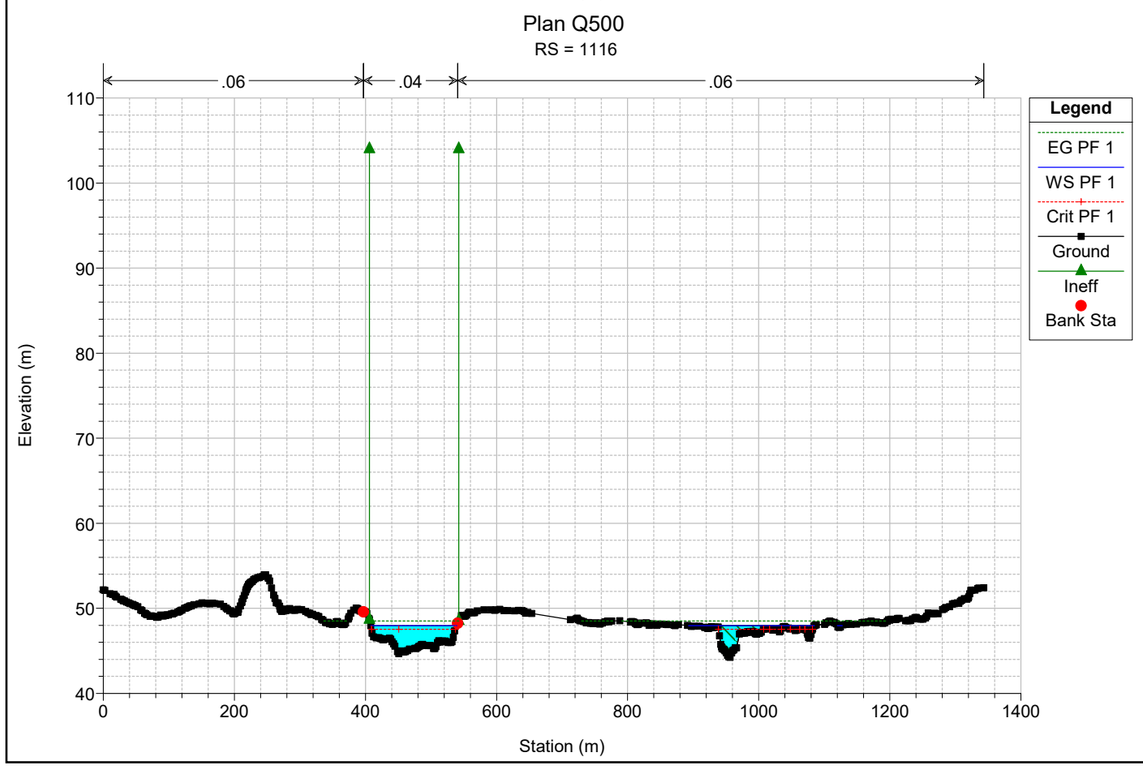

Plan Q500
RS = 1290
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

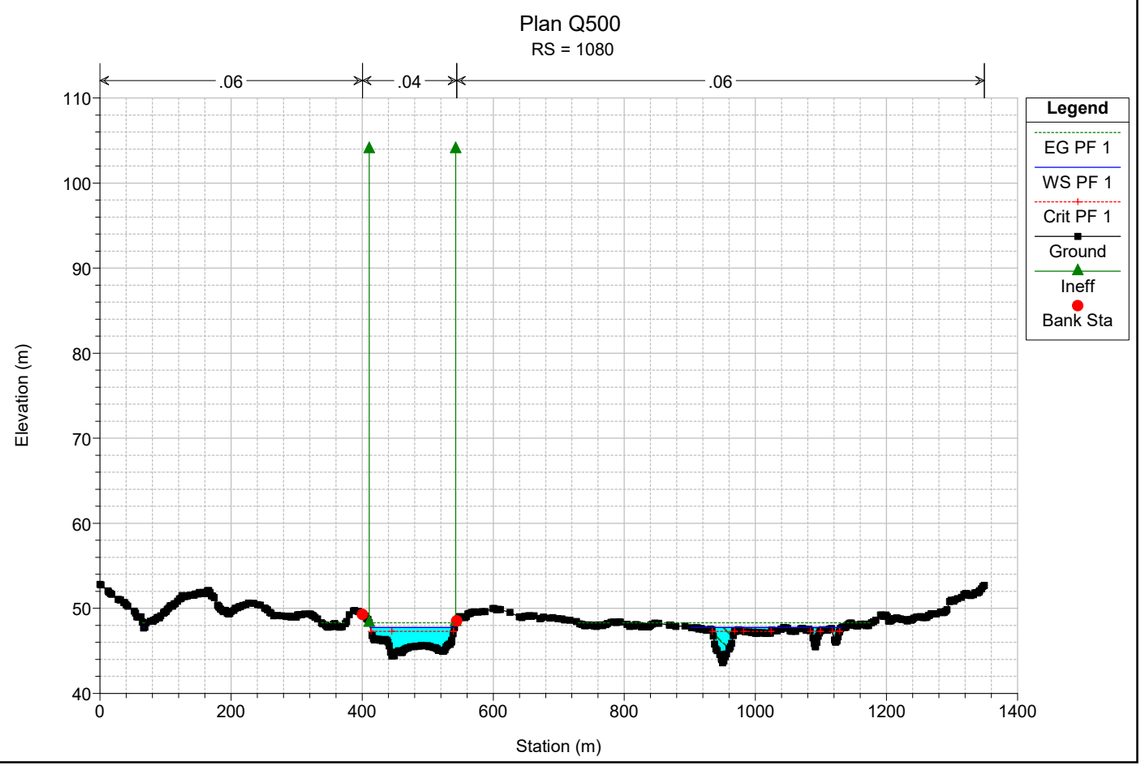

Plan Q500
RS = 1255
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400
1600

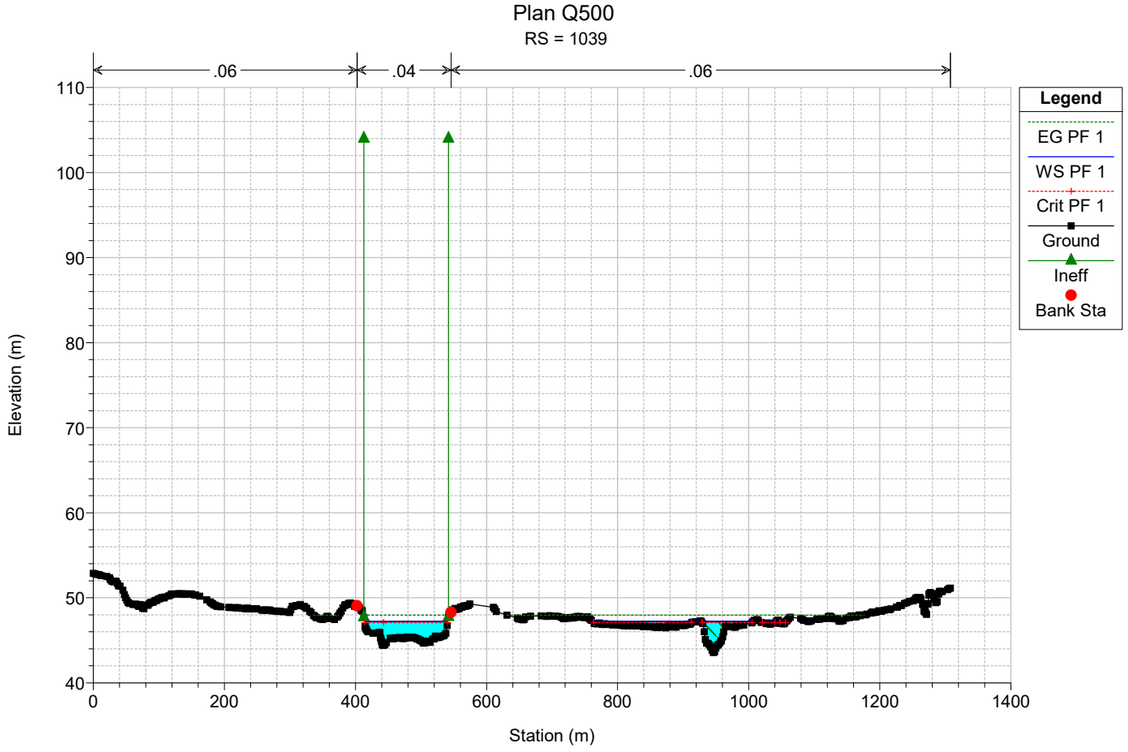

Plan Q500
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

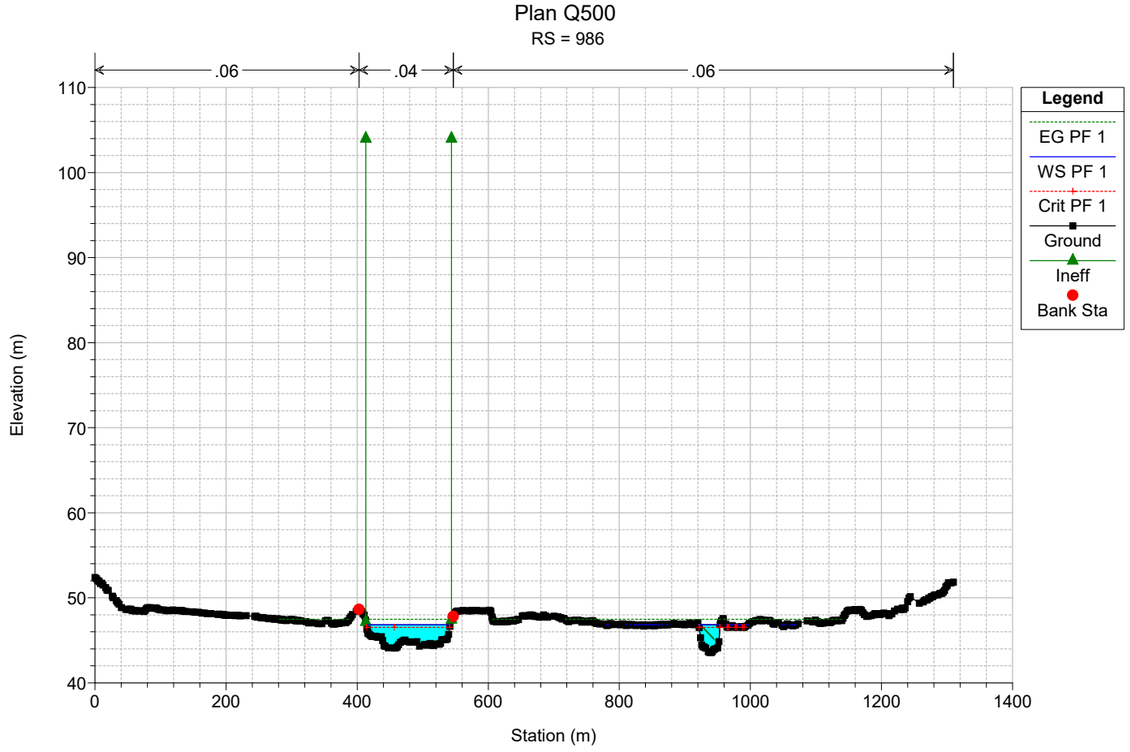

Plan Q500
RS = 1196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

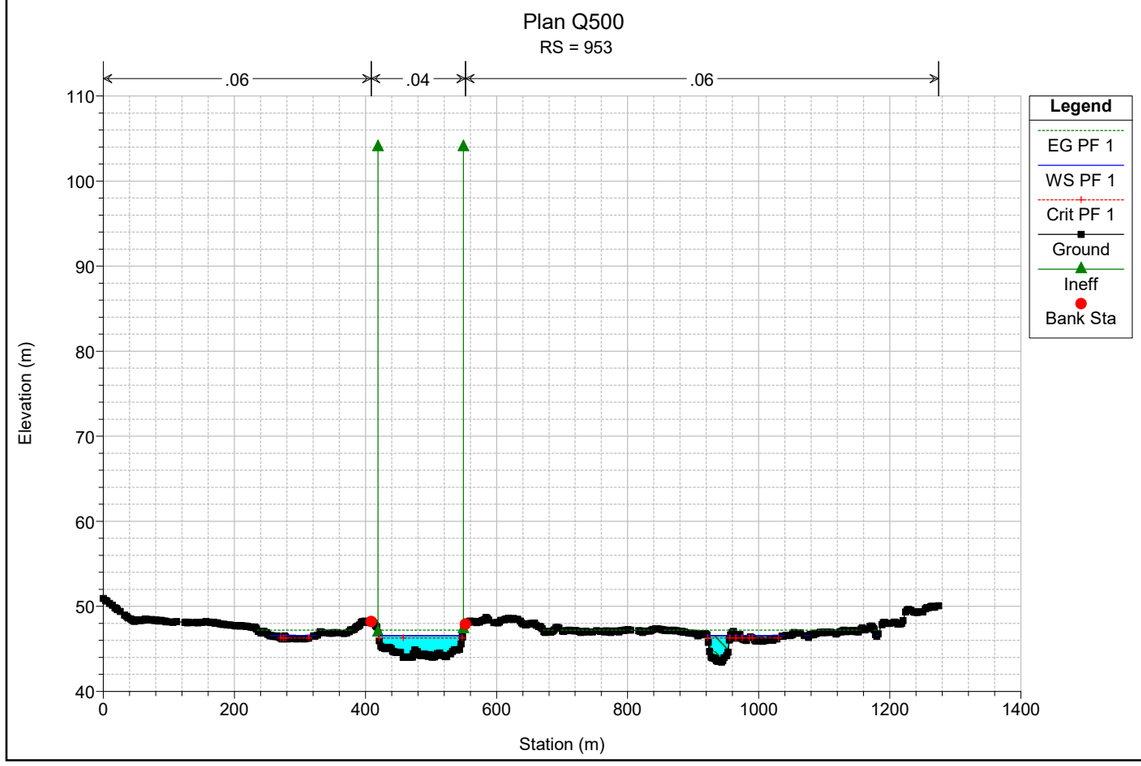

Plan Q500
RS = 1158
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

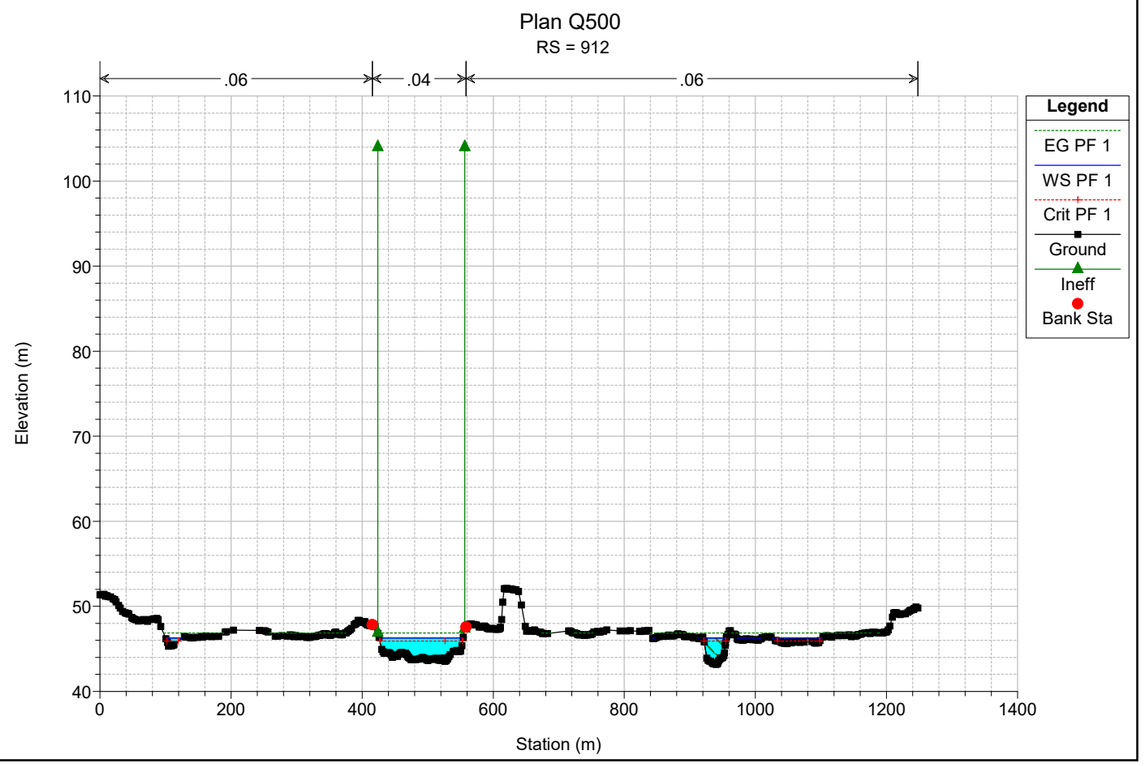

Plan Q500
RS = 1116
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

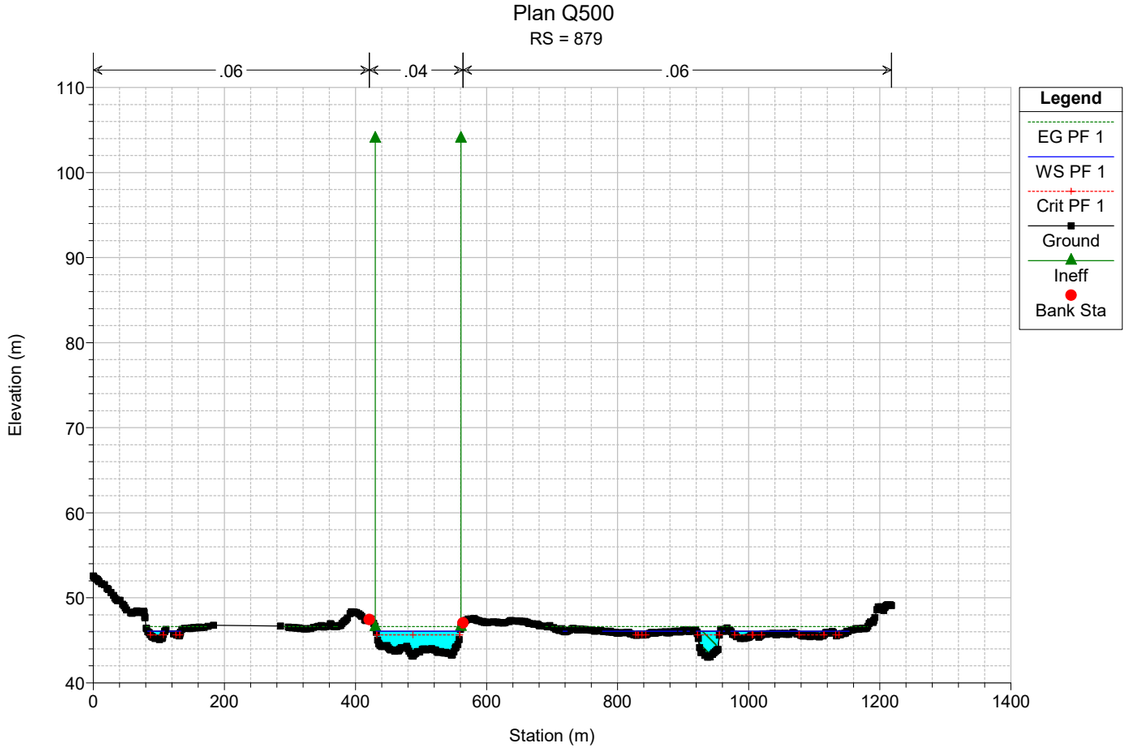

Plan Q500
RS = 1080
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

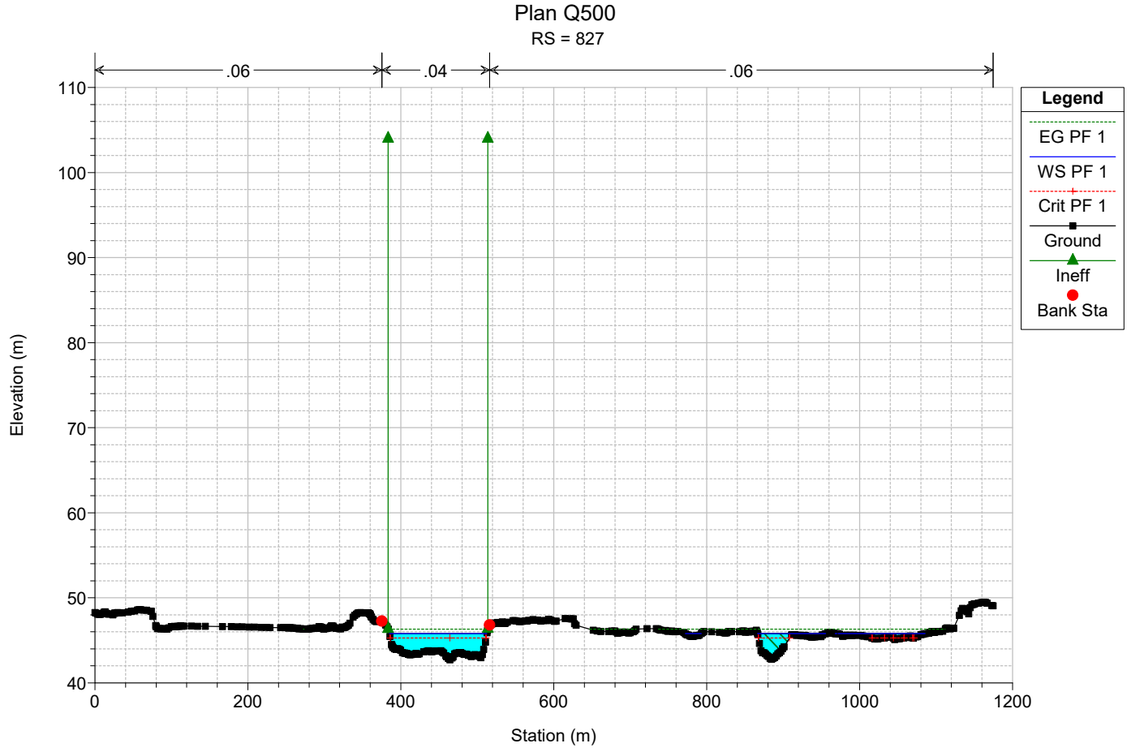

Plan Q500
RS = 1039
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

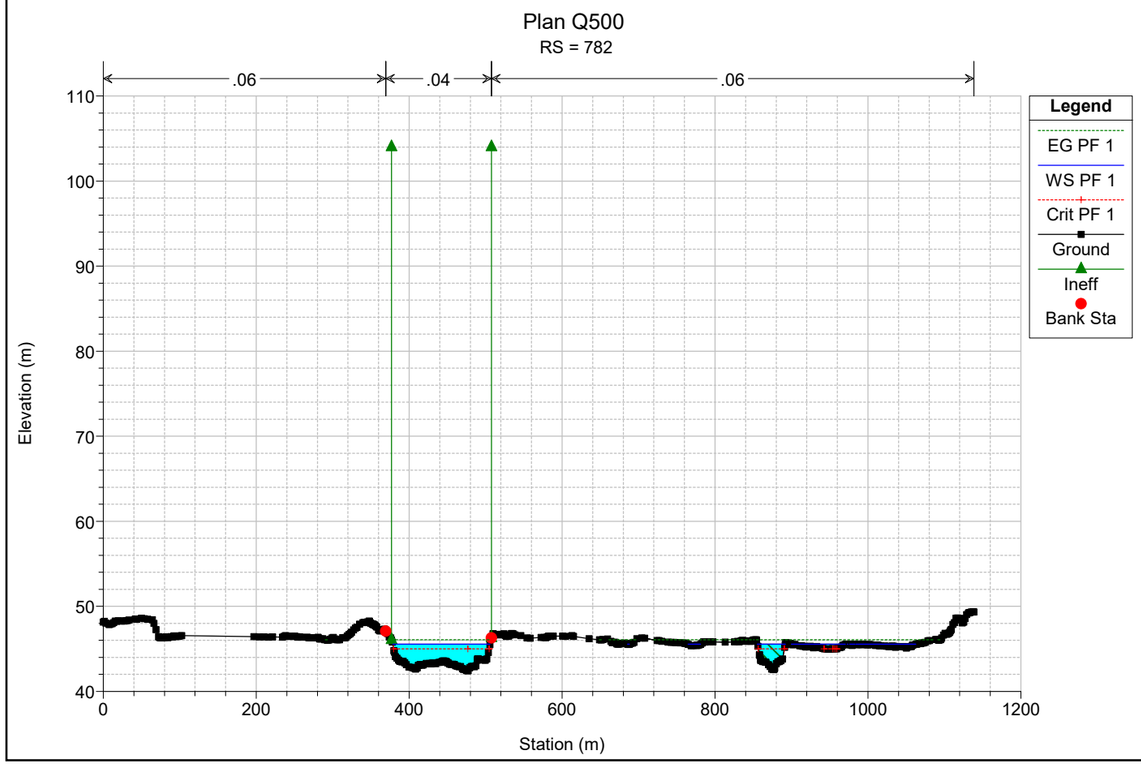

Plan Q500
RS = 986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

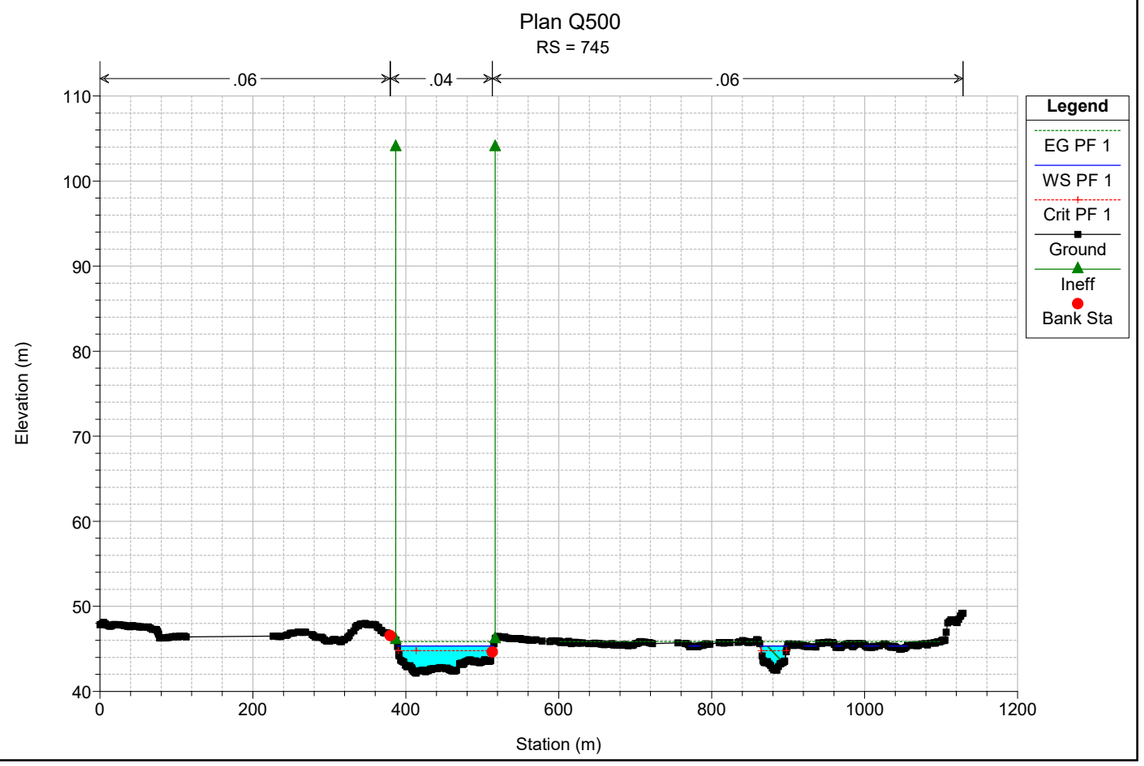

Plan Q500
RS = 953
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

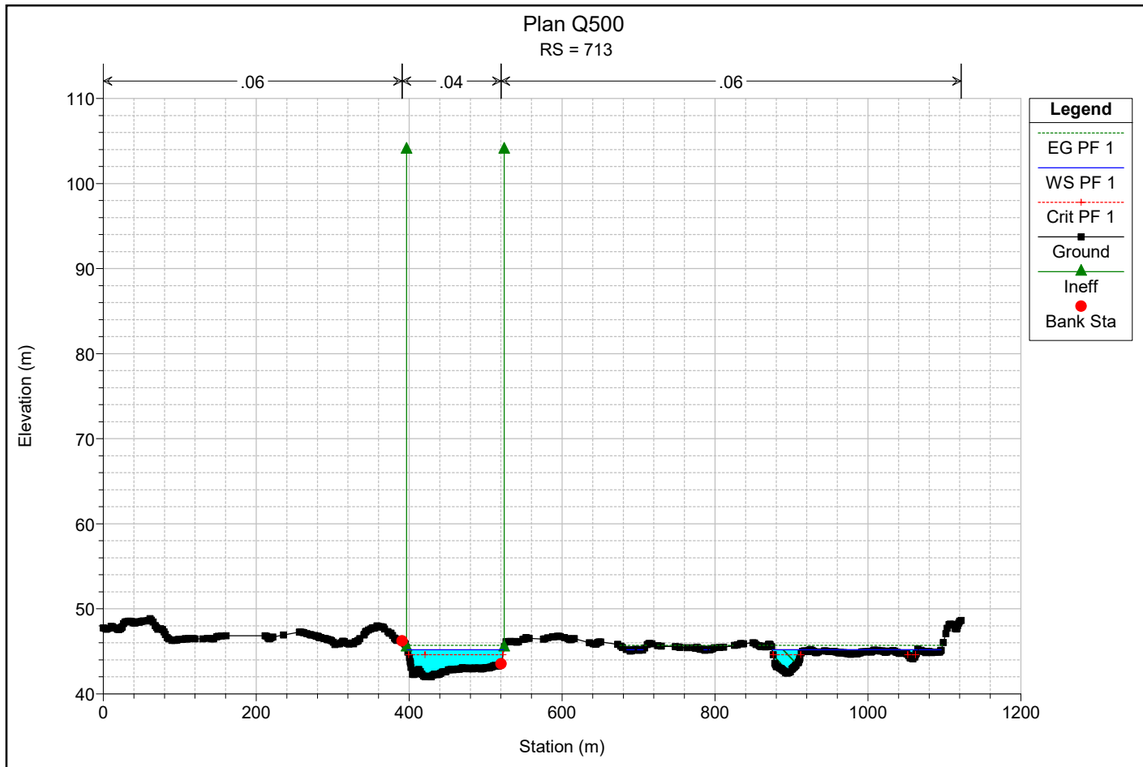

Plan Q500
RS = 912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200
1400

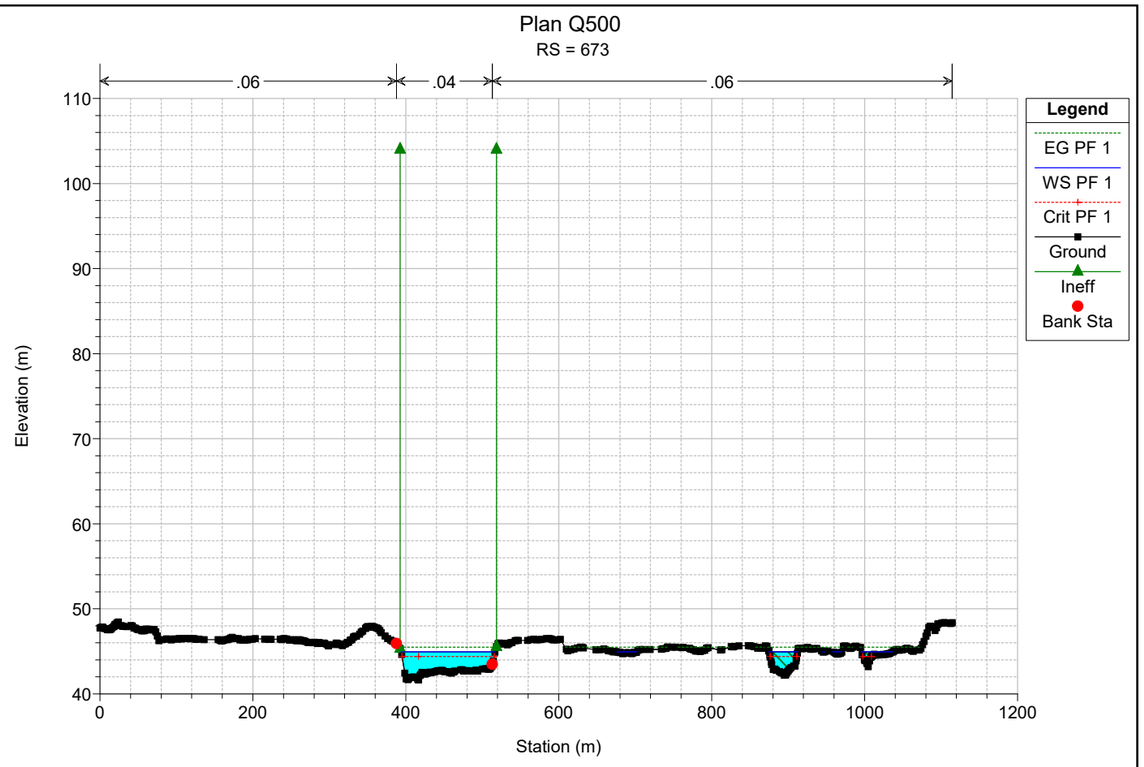

Plan Q500
RS = 879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

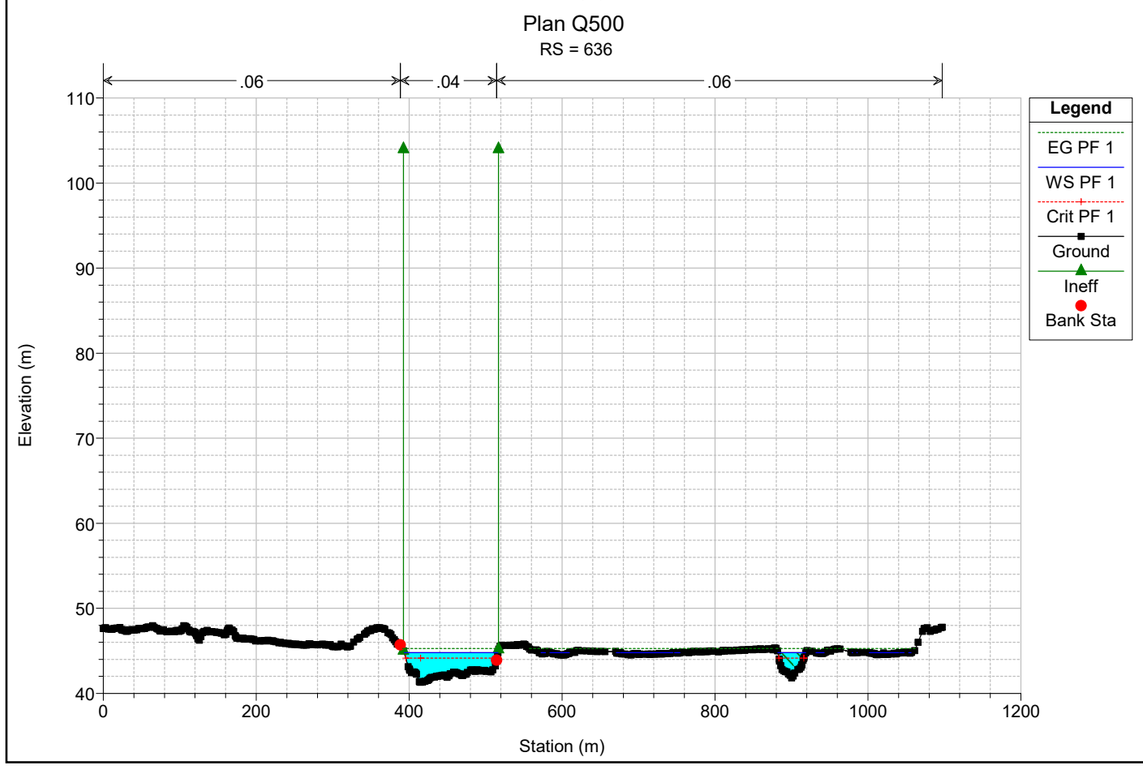

Plan Q500
RS = 827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

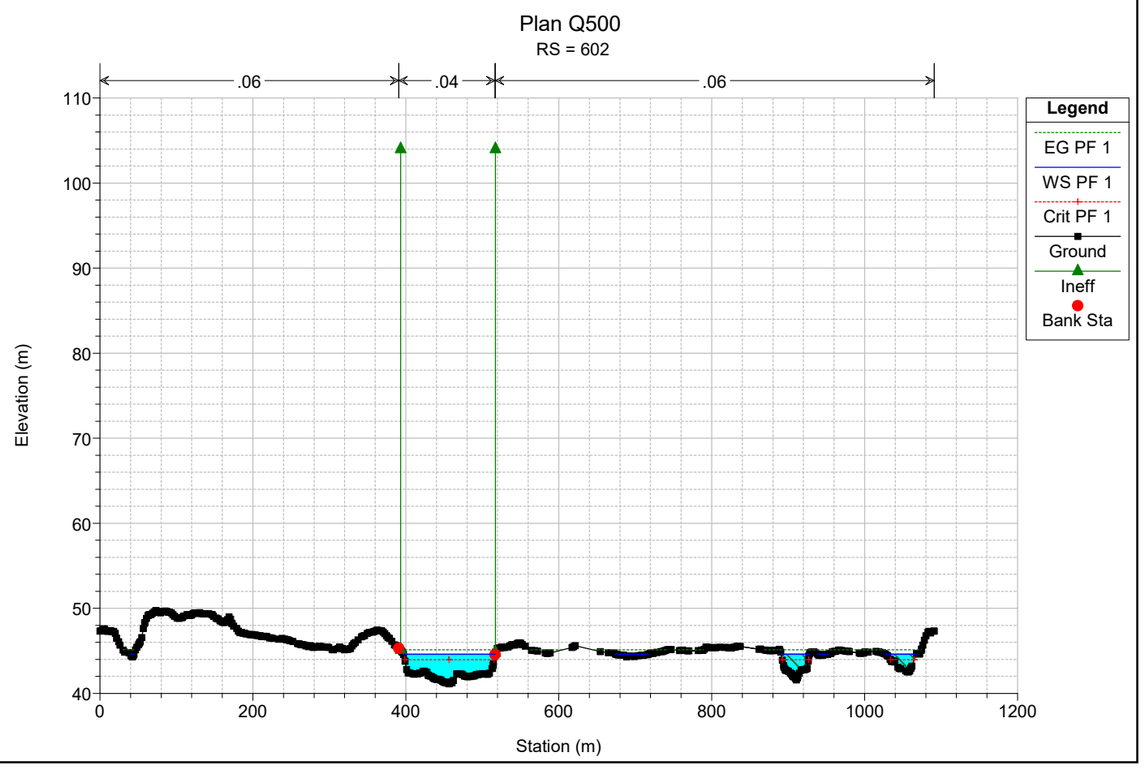

Plan Q500
RS = 782
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

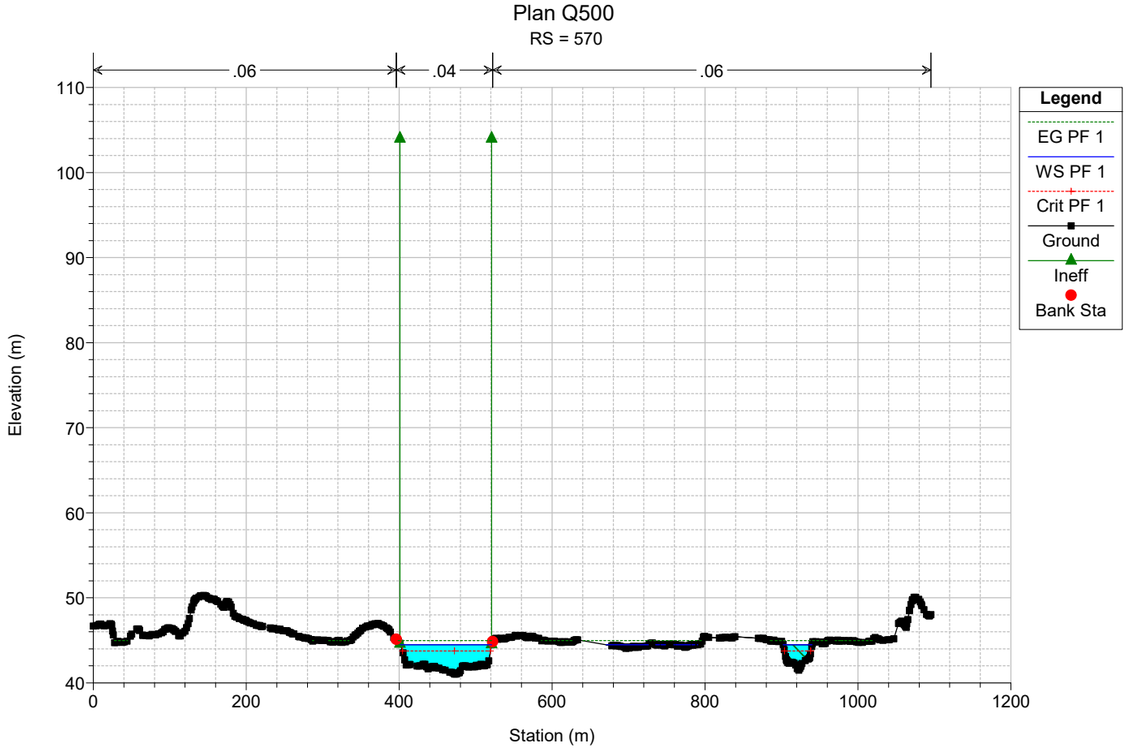

Plan Q500
RS = 745
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

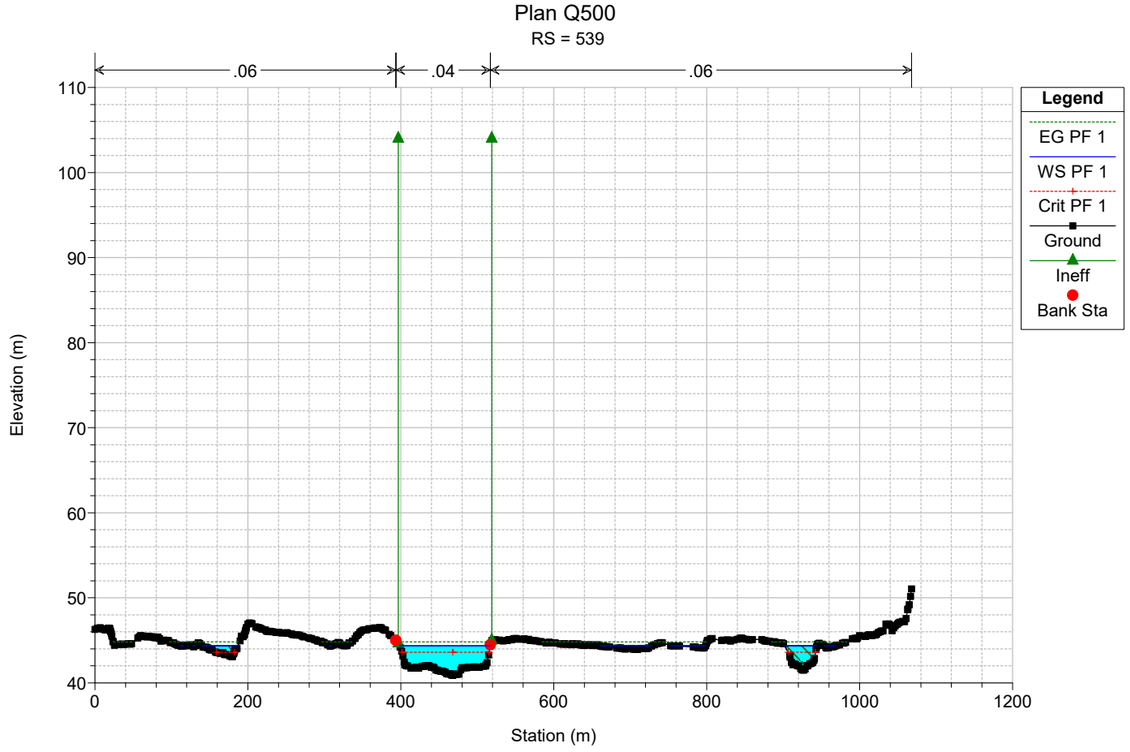

Plan Q500
RS = 713
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

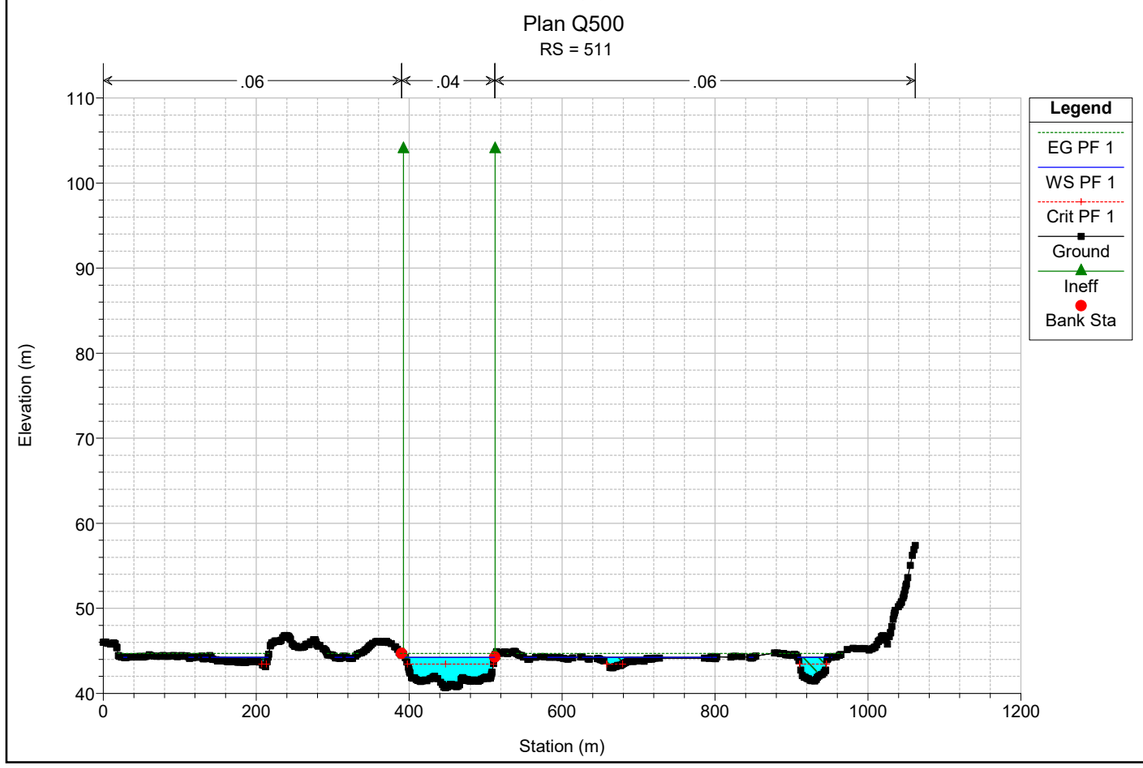

Plan Q500
RS = 673
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

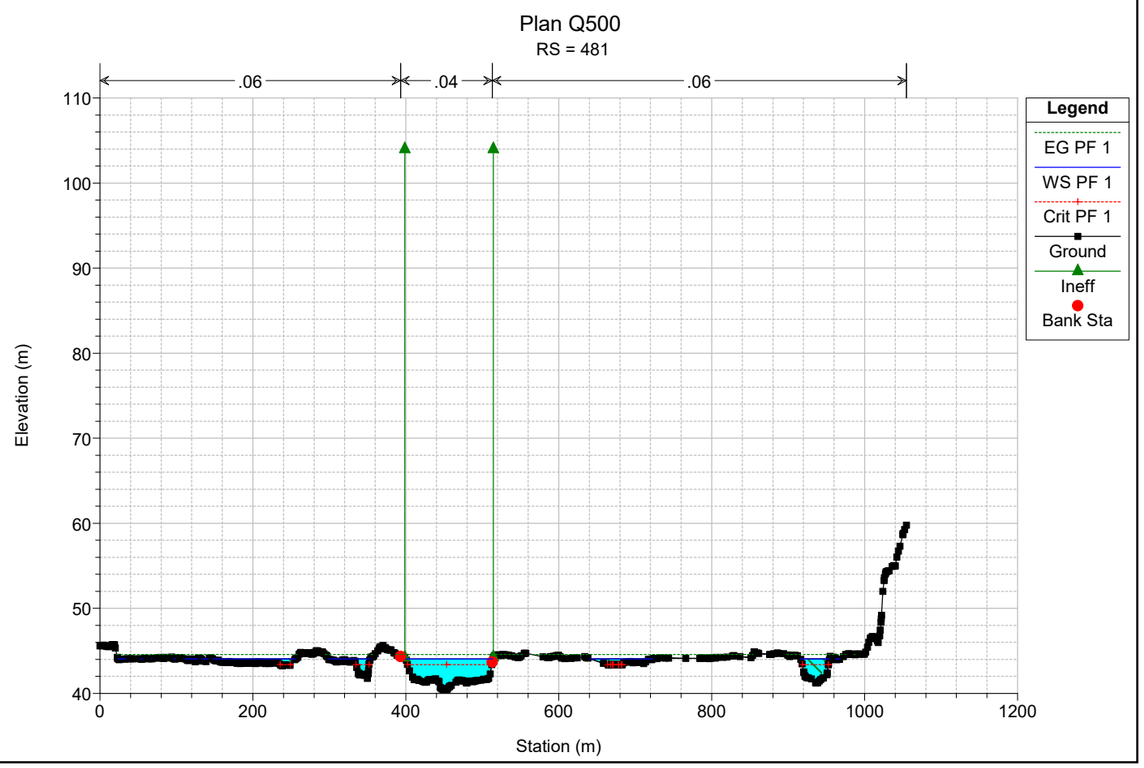

Plan Q500
RS = 636
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

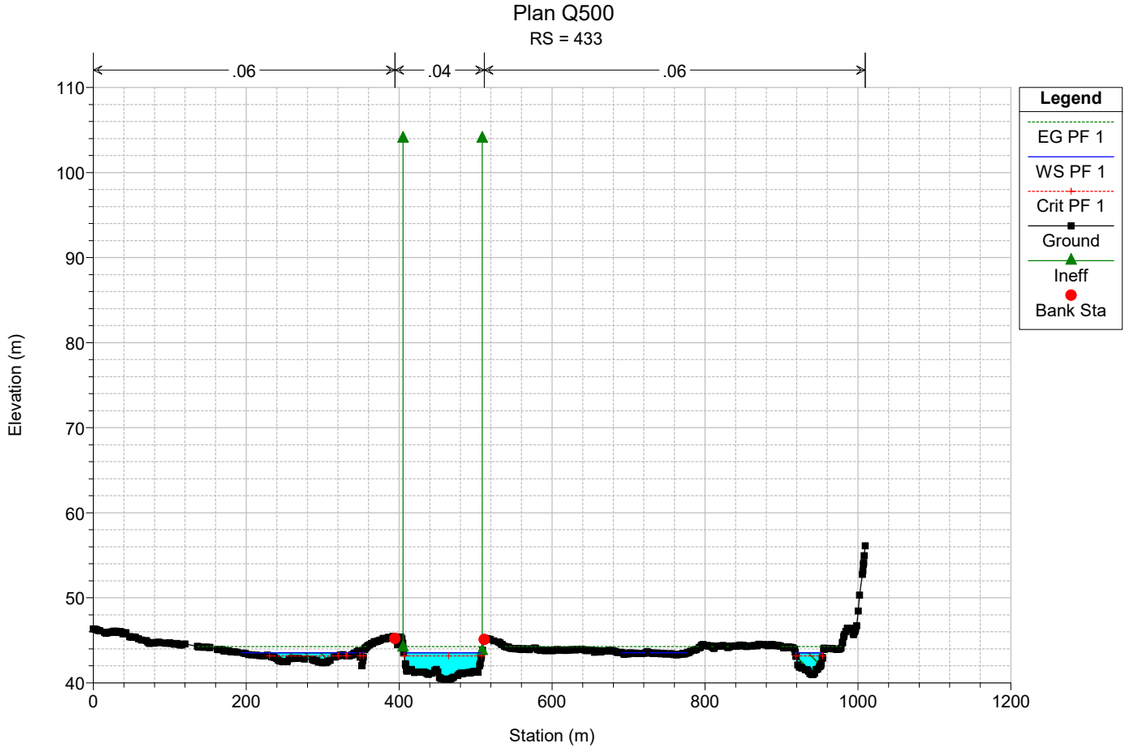

Plan Q500
RS = 602
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

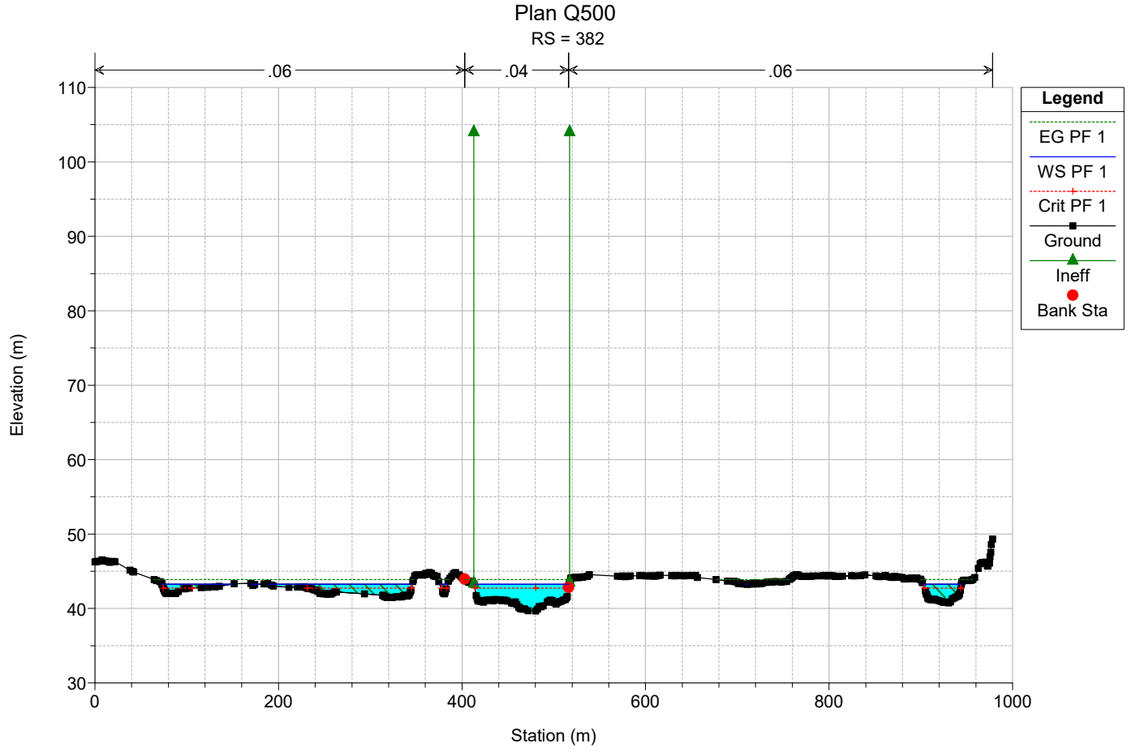

Plan Q500
RS = 570
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

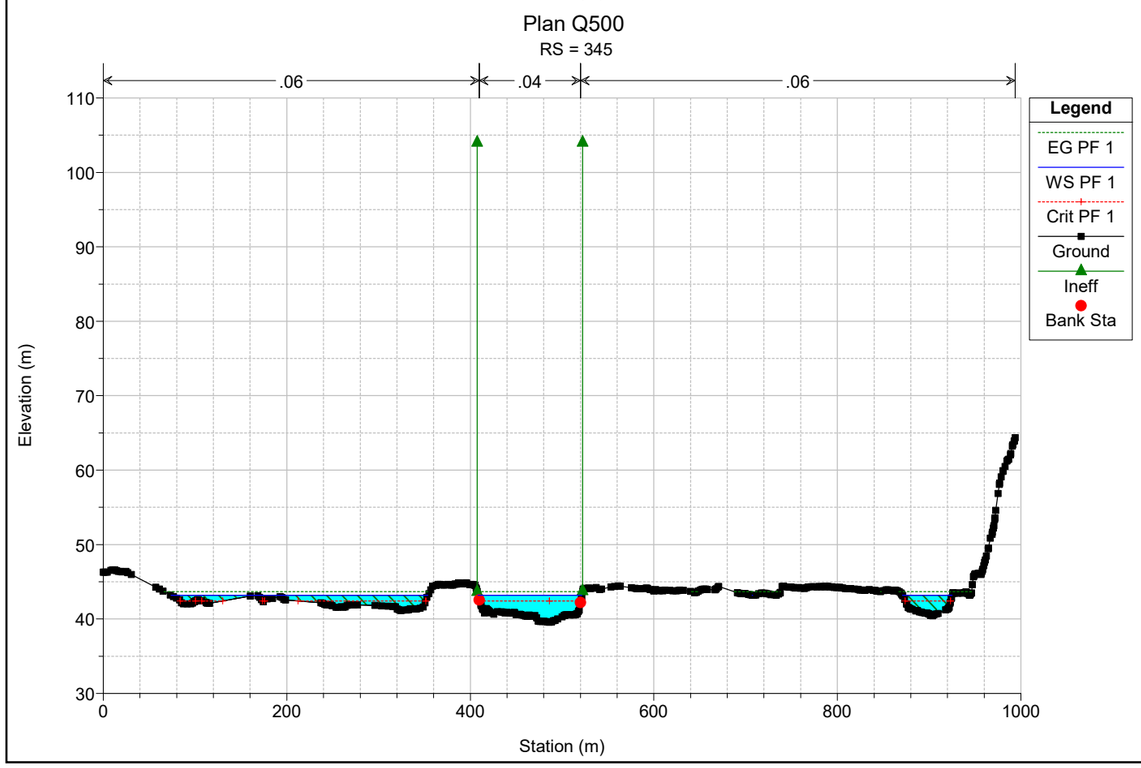

Plan Q500
RS = 539
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

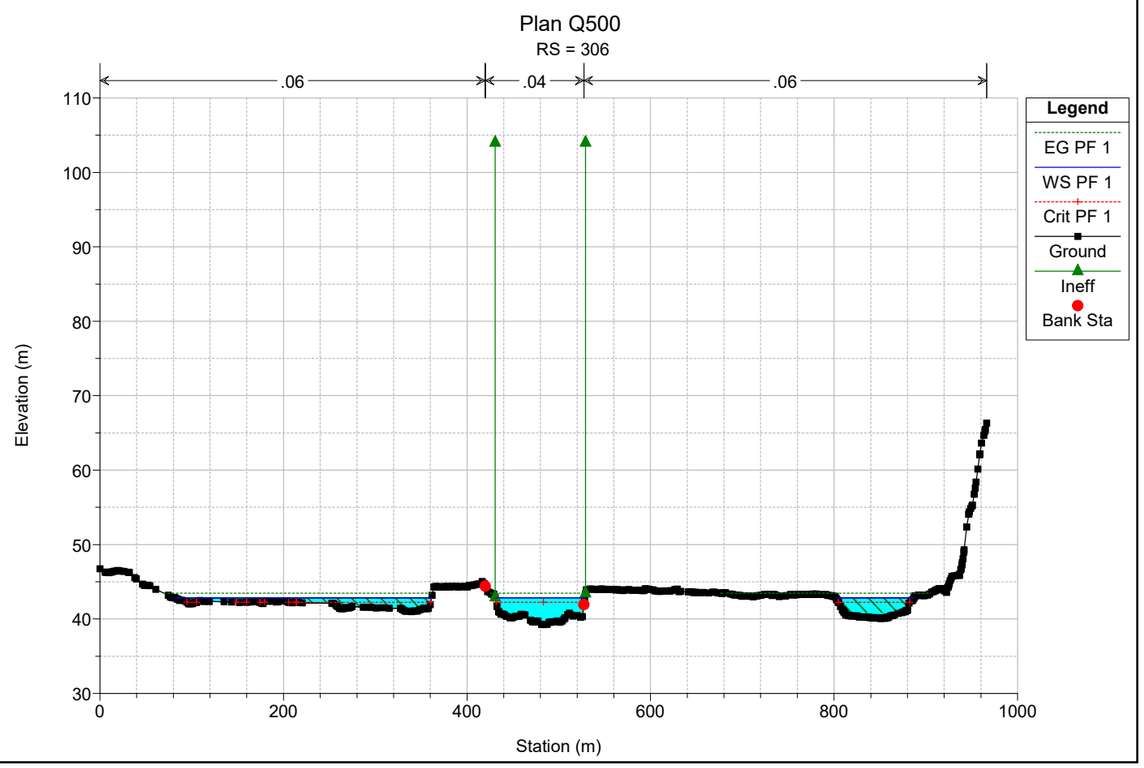

Plan Q500
RS = 511
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

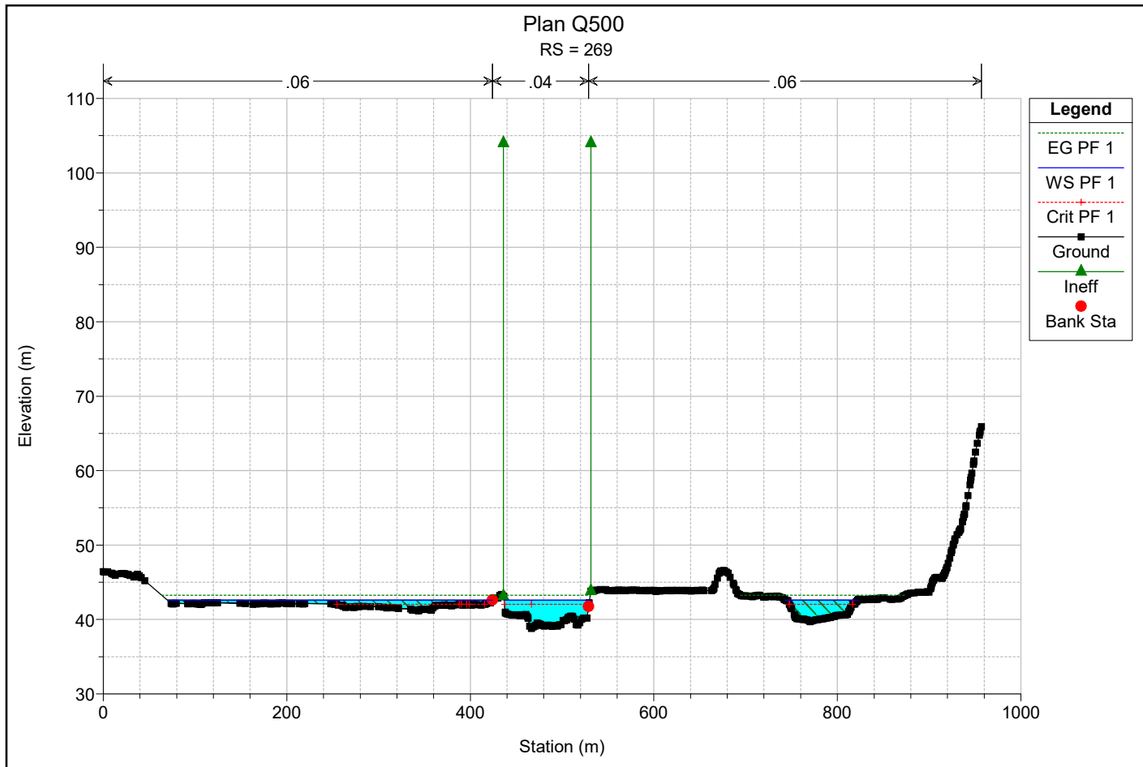

Plan Q500
RS = 481
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
0
200
400
600
800
1000
1200

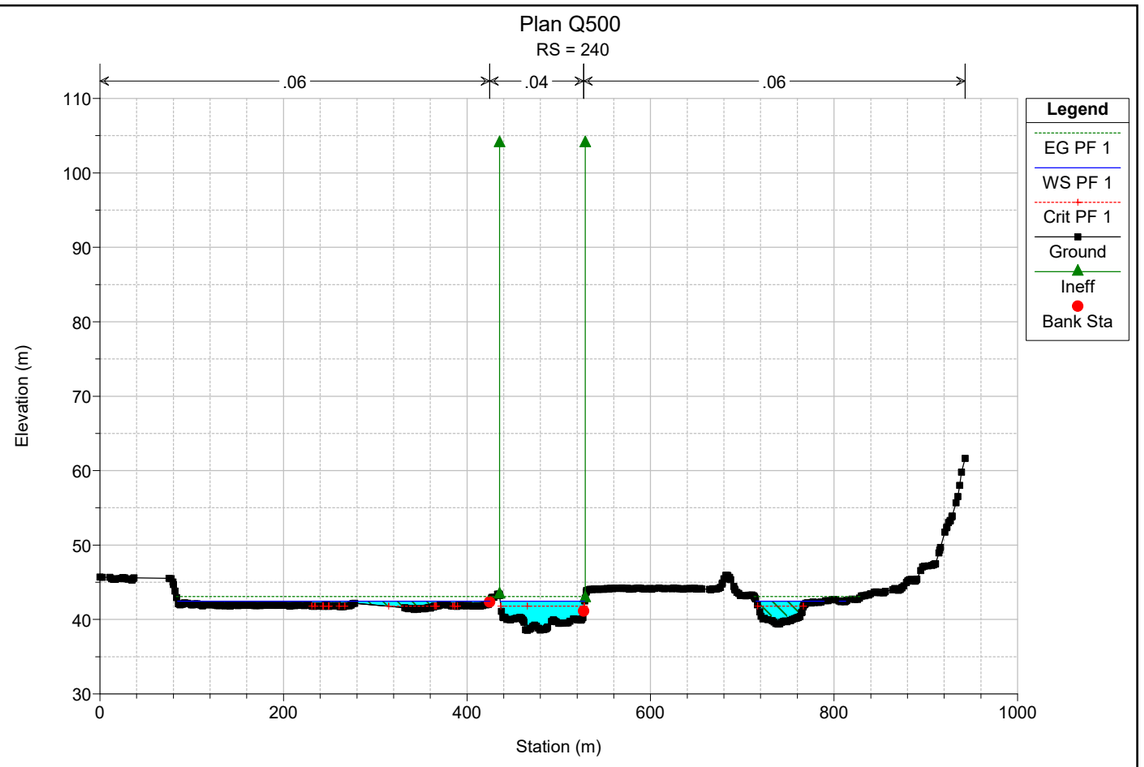

Plan Q500
RS = 433
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

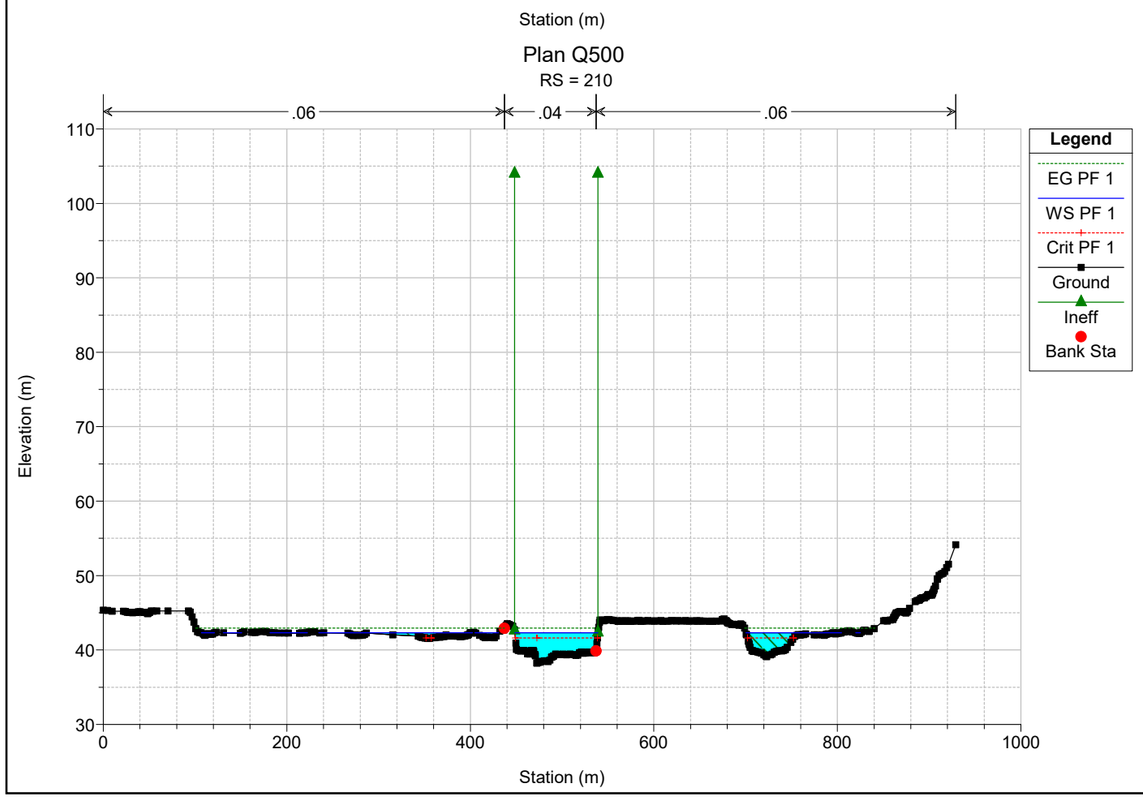

Plan Q500
RS = 382
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

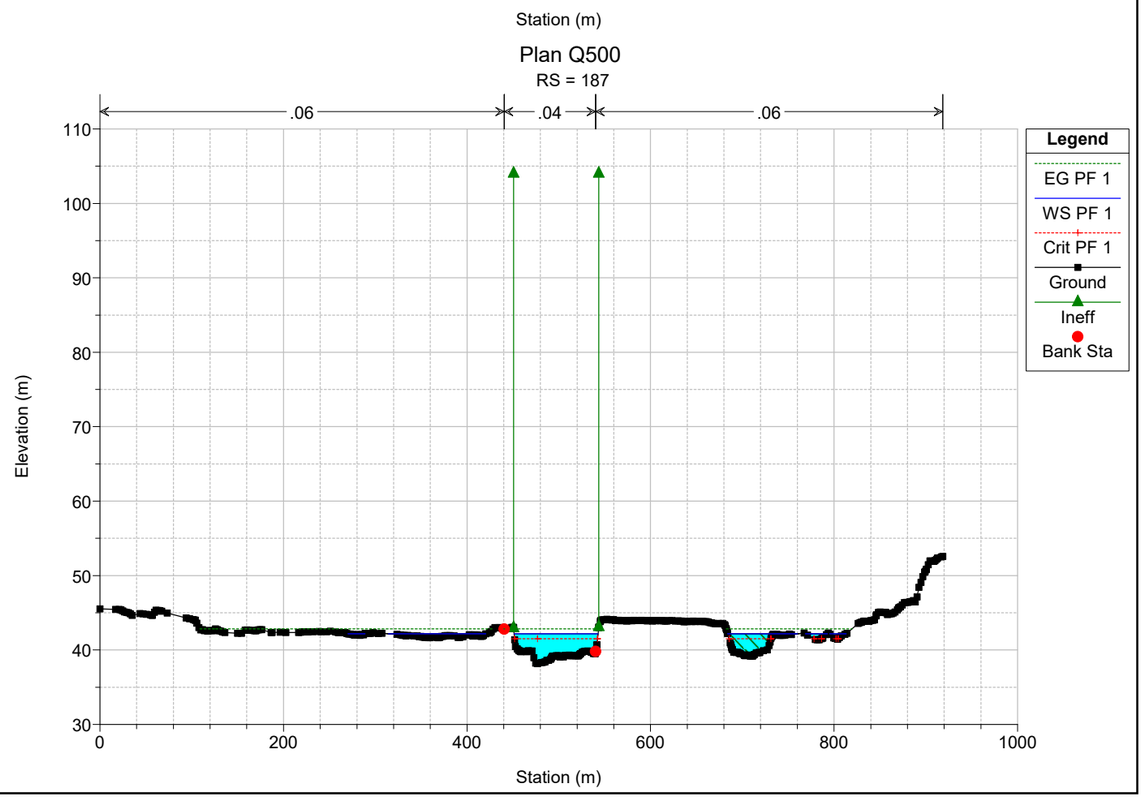

Plan Q500
RS = 345
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

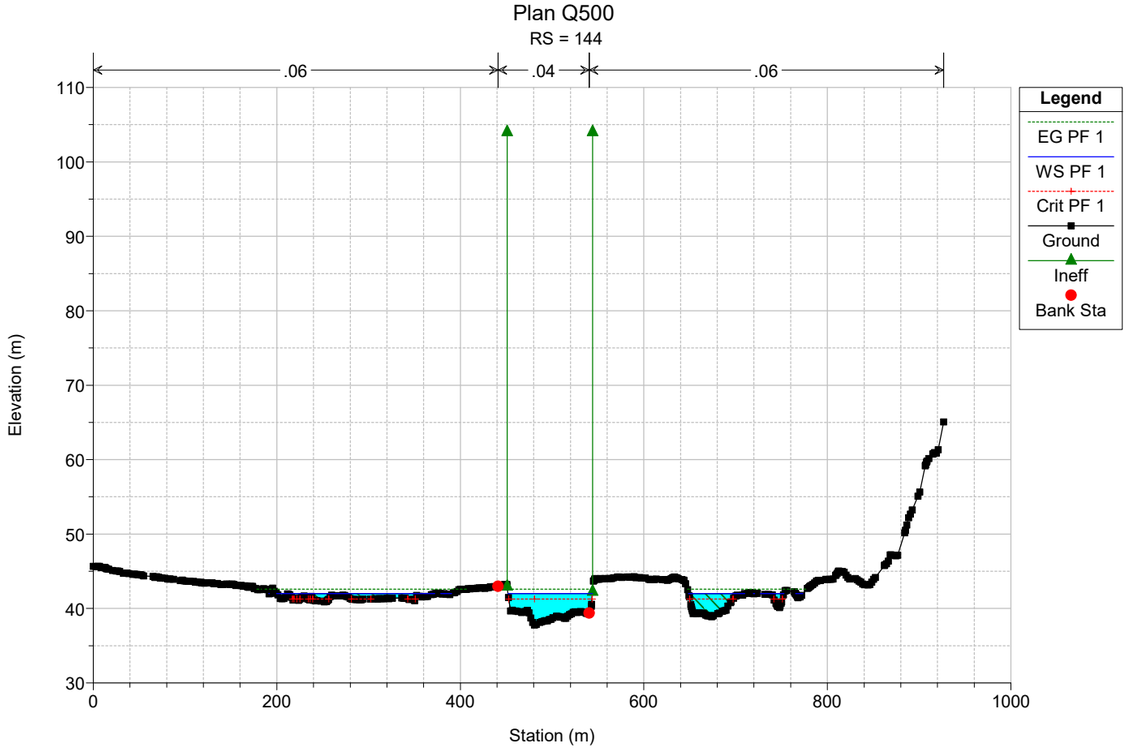

Plan Q500
RS = 306
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

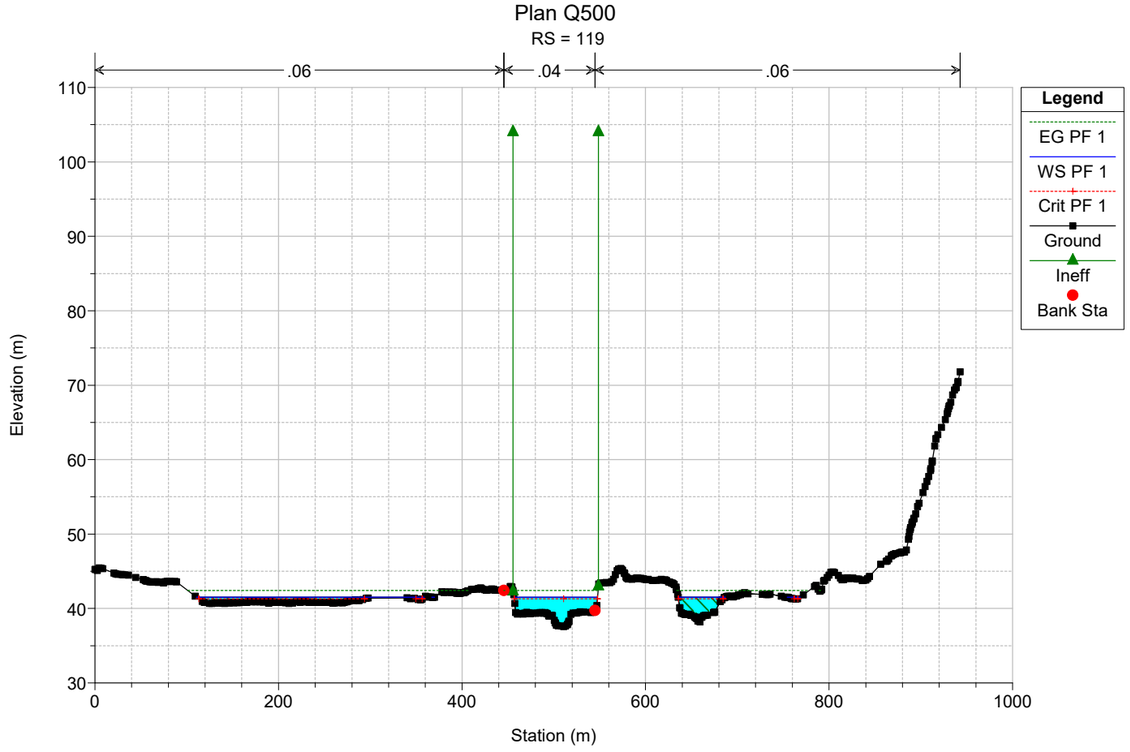

Plan Q500
RS = 269
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

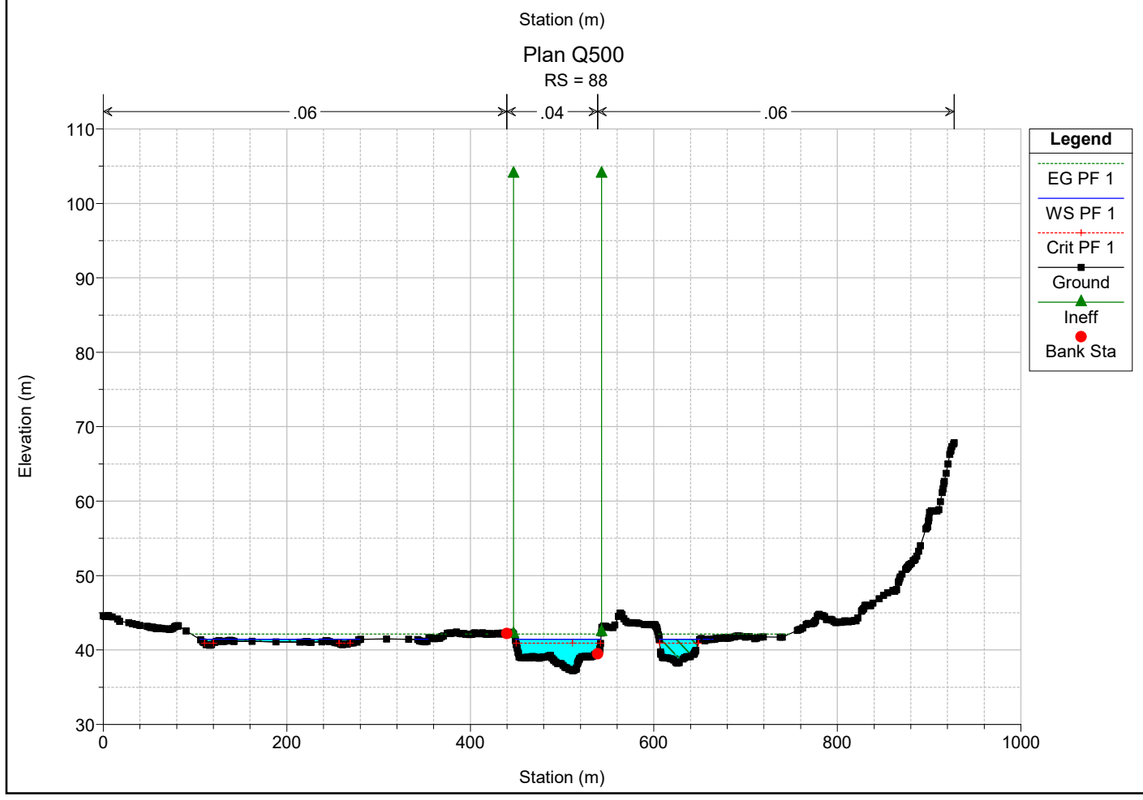

Plan Q500
RS = 240
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

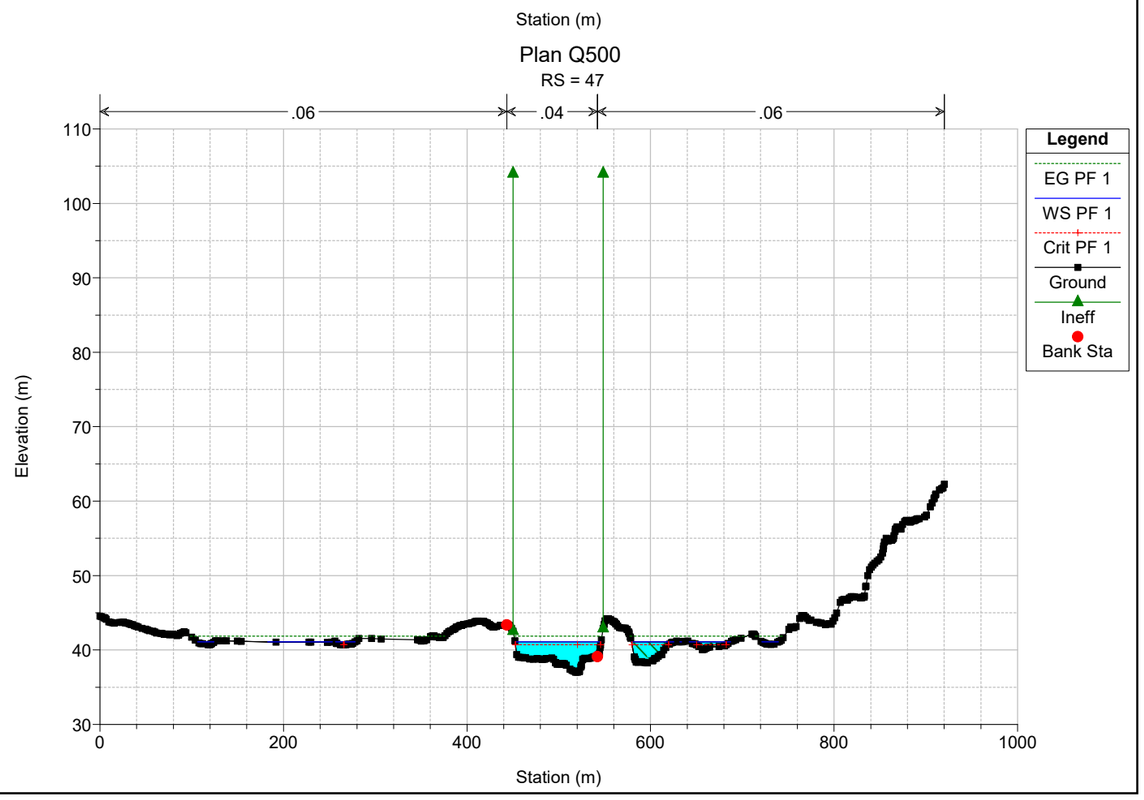

Plan Q500
RS = 210
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

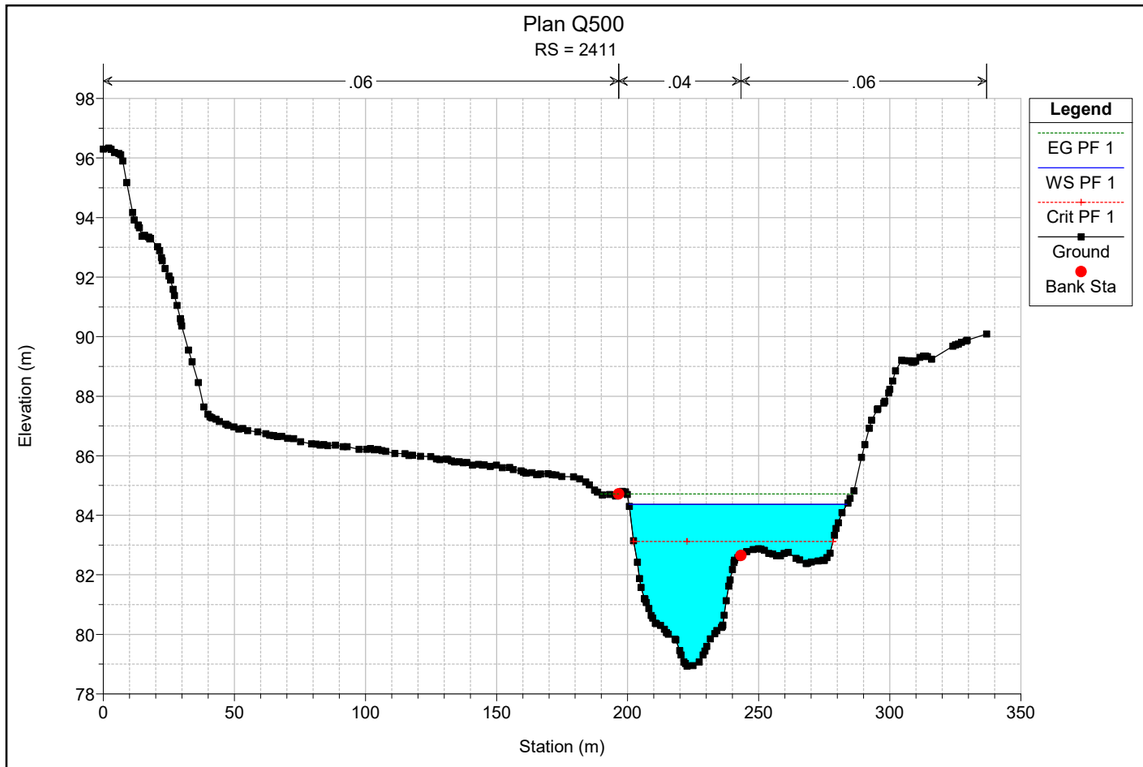

Plan Q500
RS = 187
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

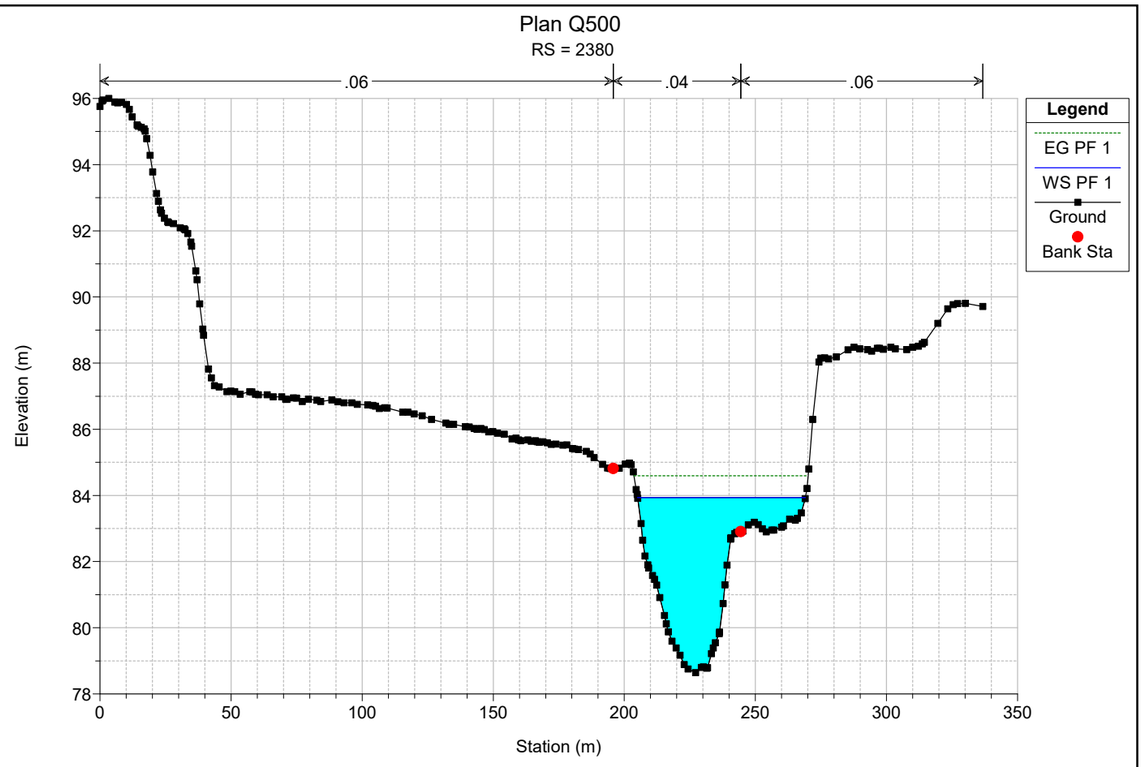

Plan Q500
RS = 144
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

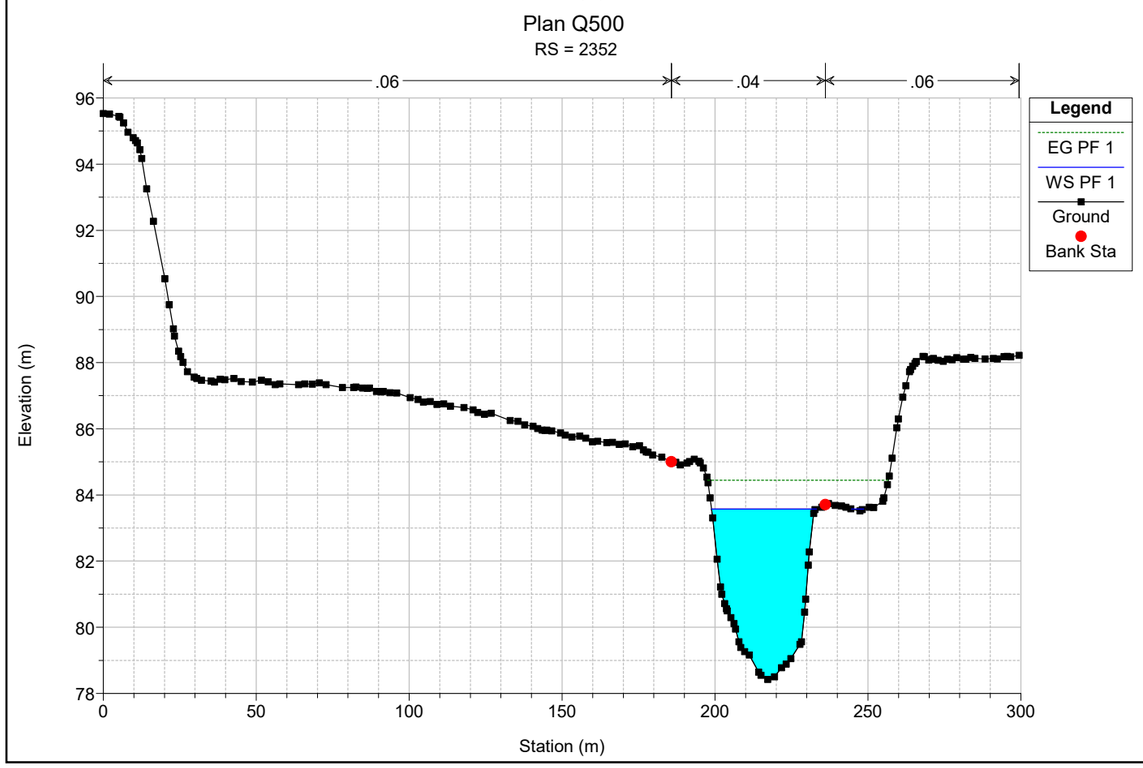

Plan Q500
RS = 119
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

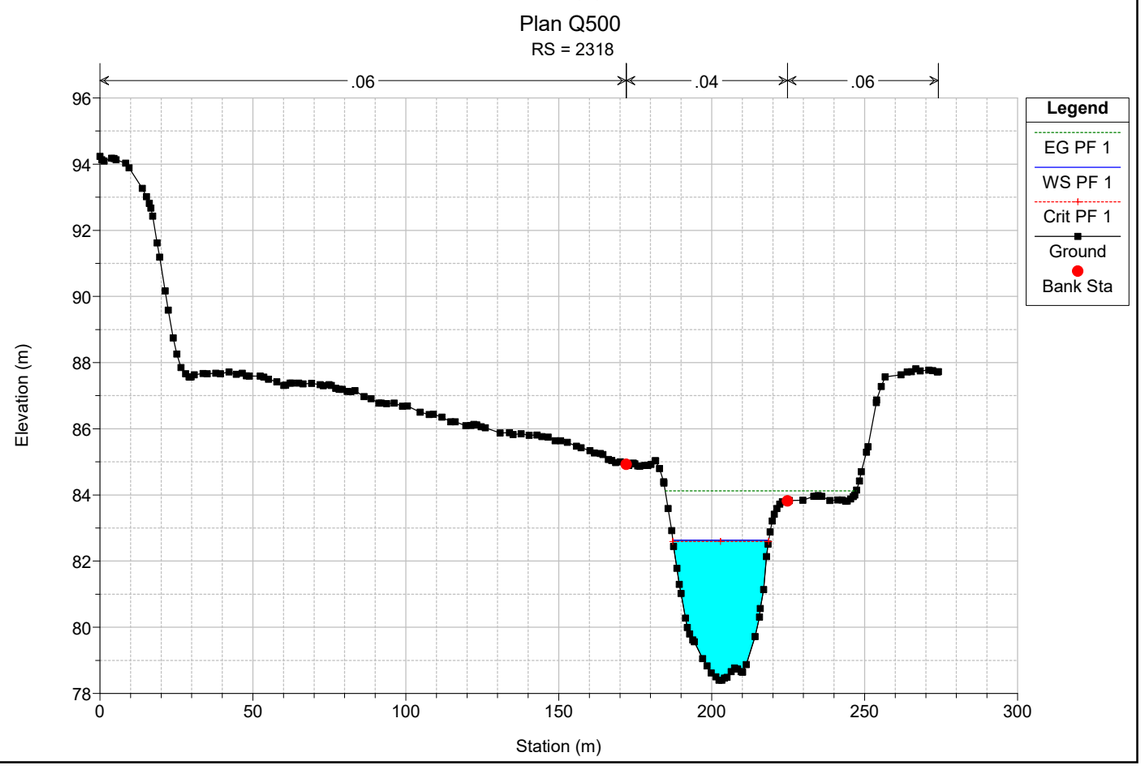

Plan Q500
RS = 88
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

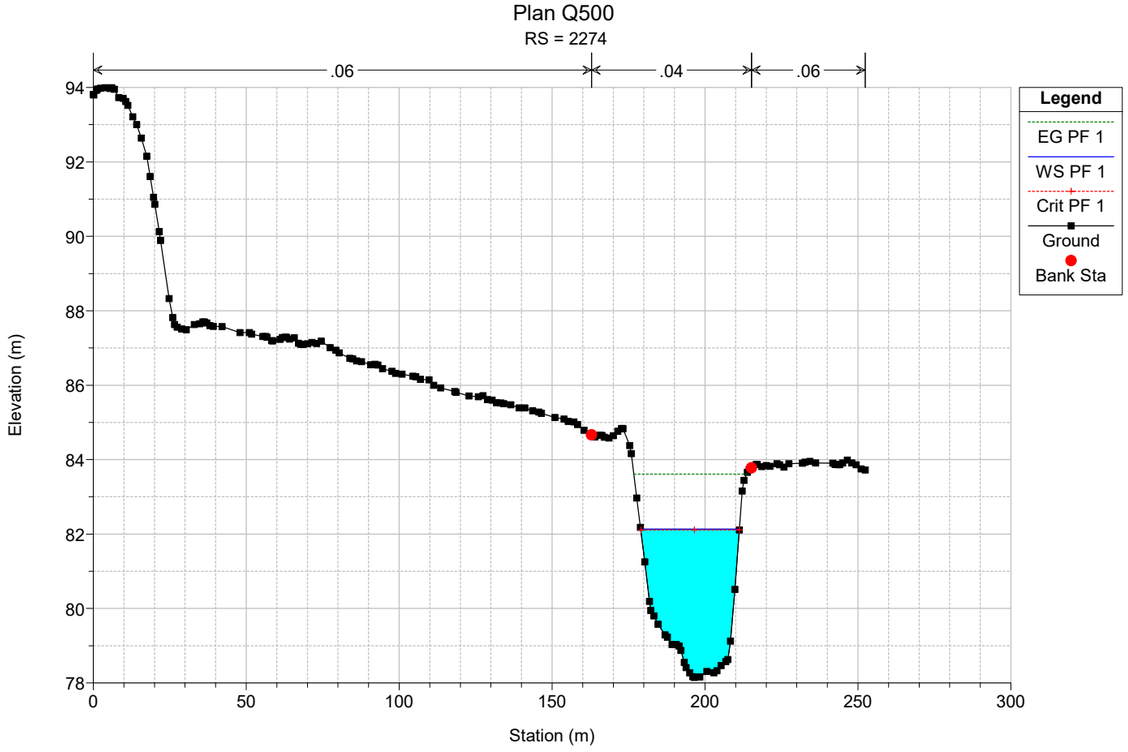

Plan Q500
RS = 47
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
40
30
0
200
400
600
800
1000

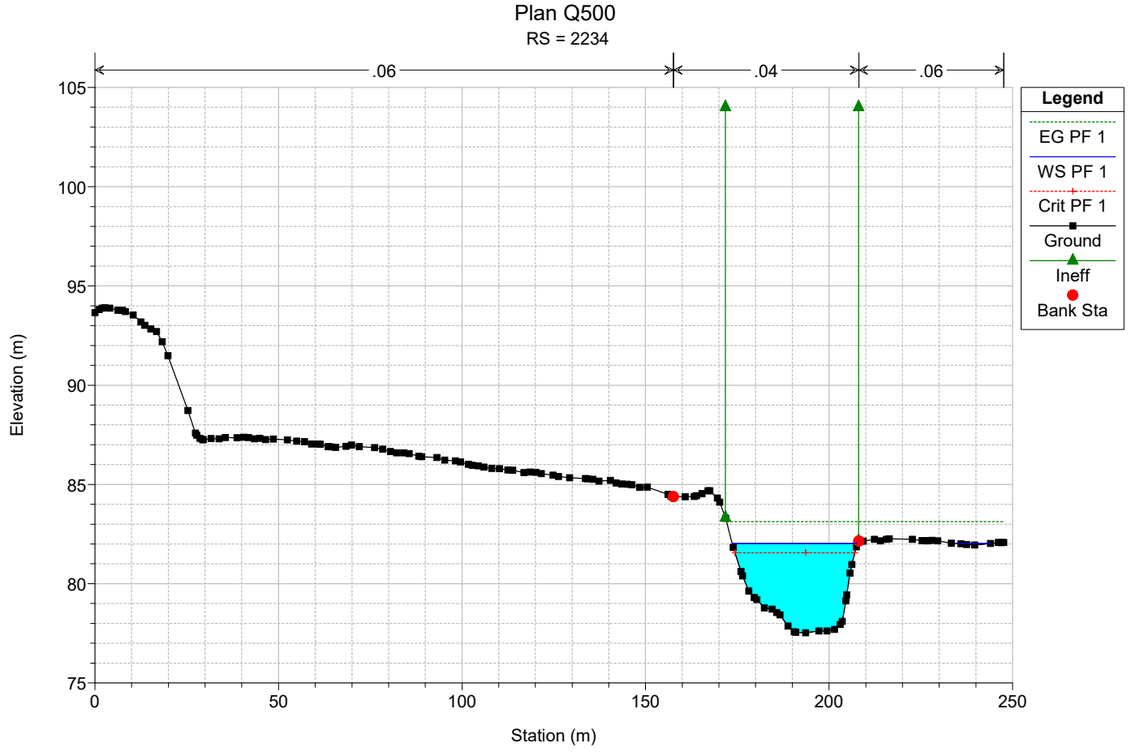

Plan Q500
RS = 2411
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

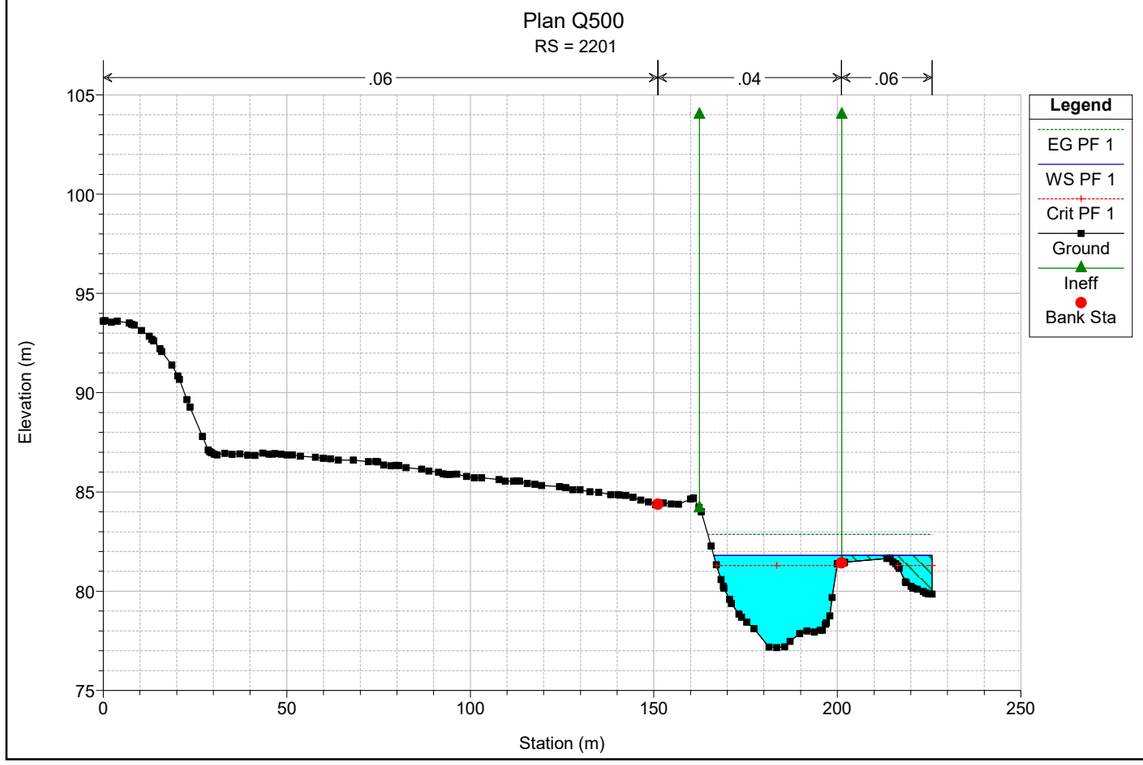

Plan Q500
RS = 2380
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

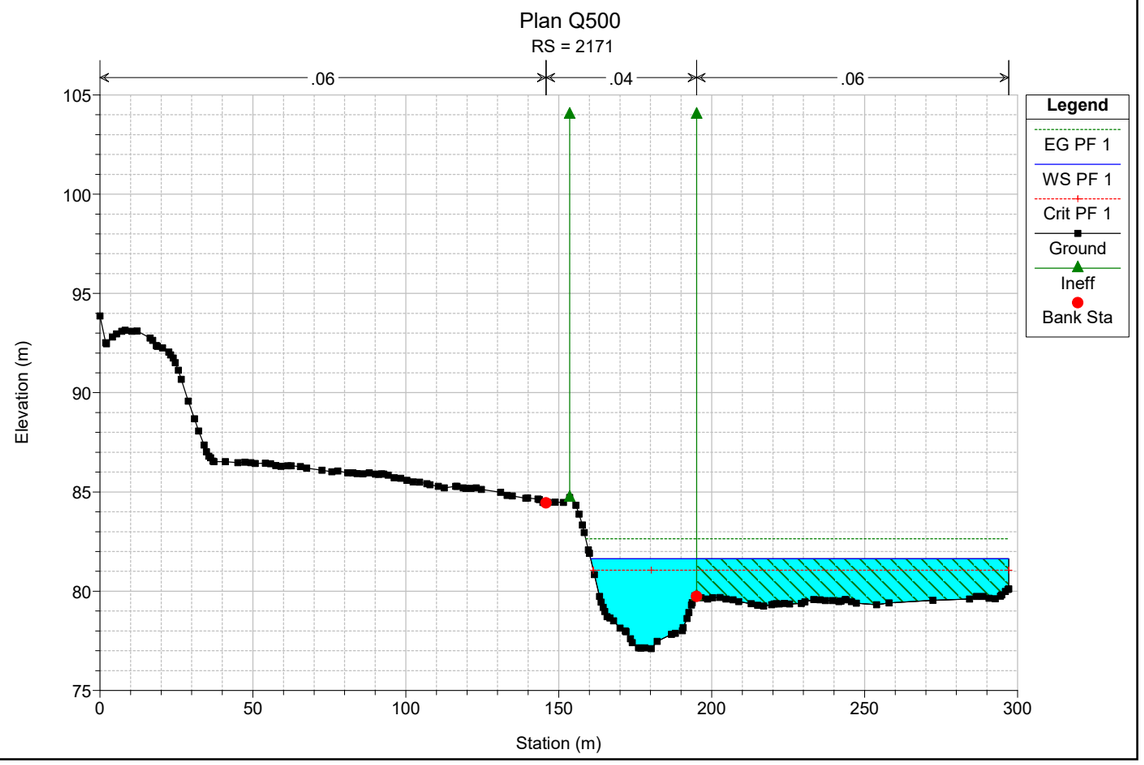

Plan Q500
RS = 2352
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

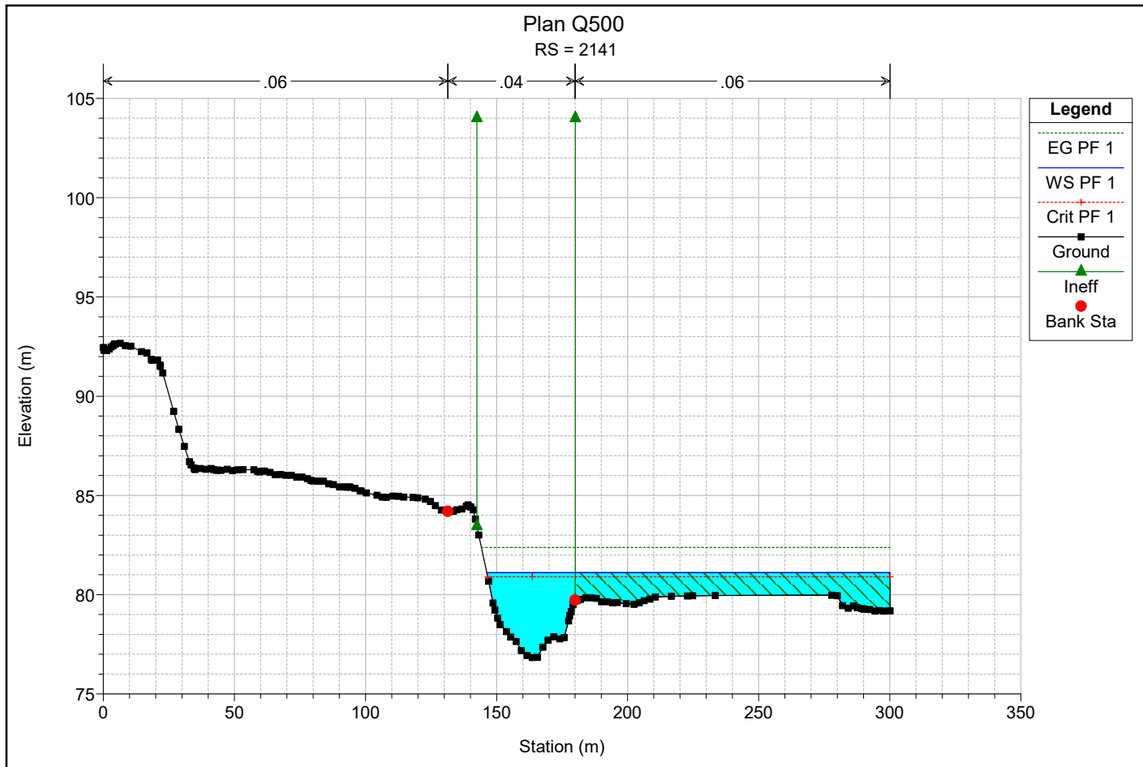

Plan Q500
RS = 2318
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

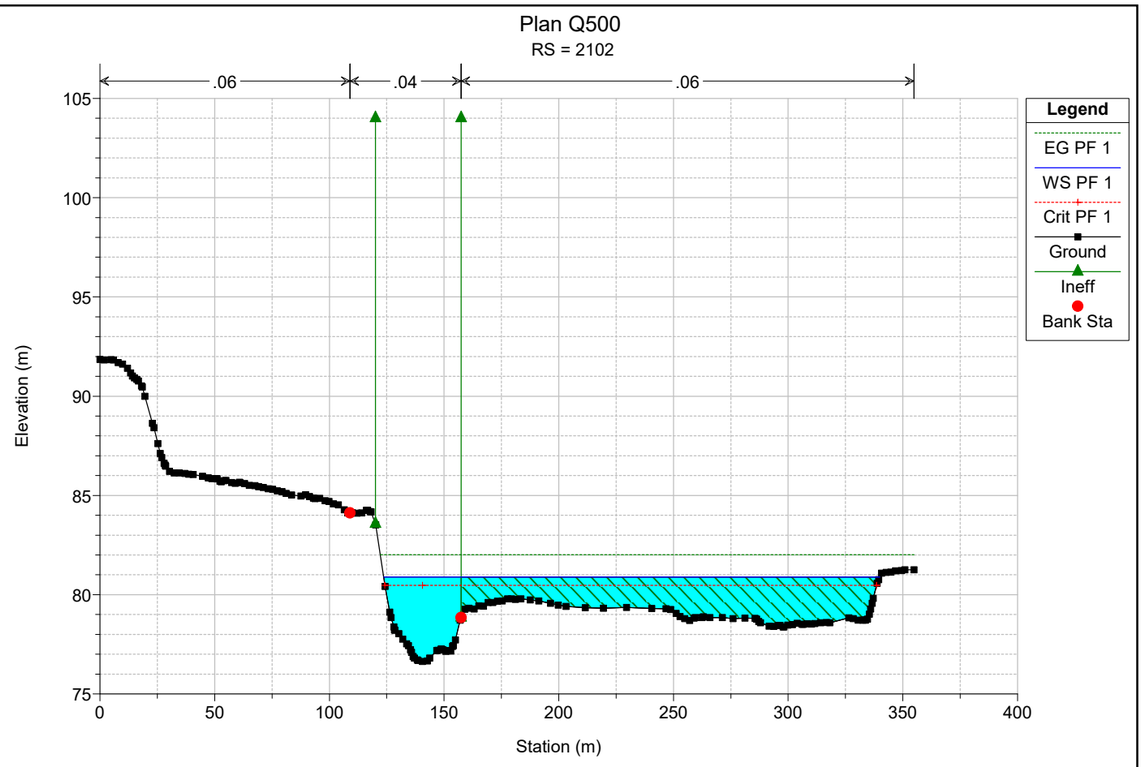

Plan Q500
RS = 2274
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

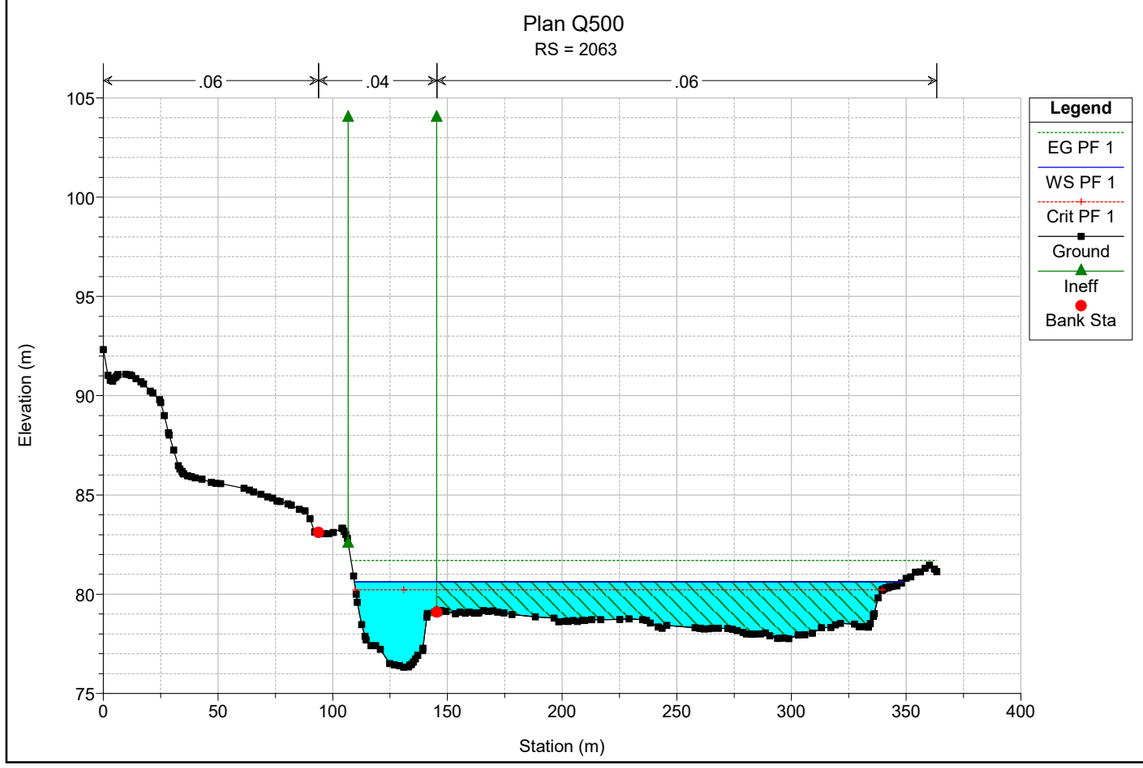

Plan Q500
RS = 2234
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

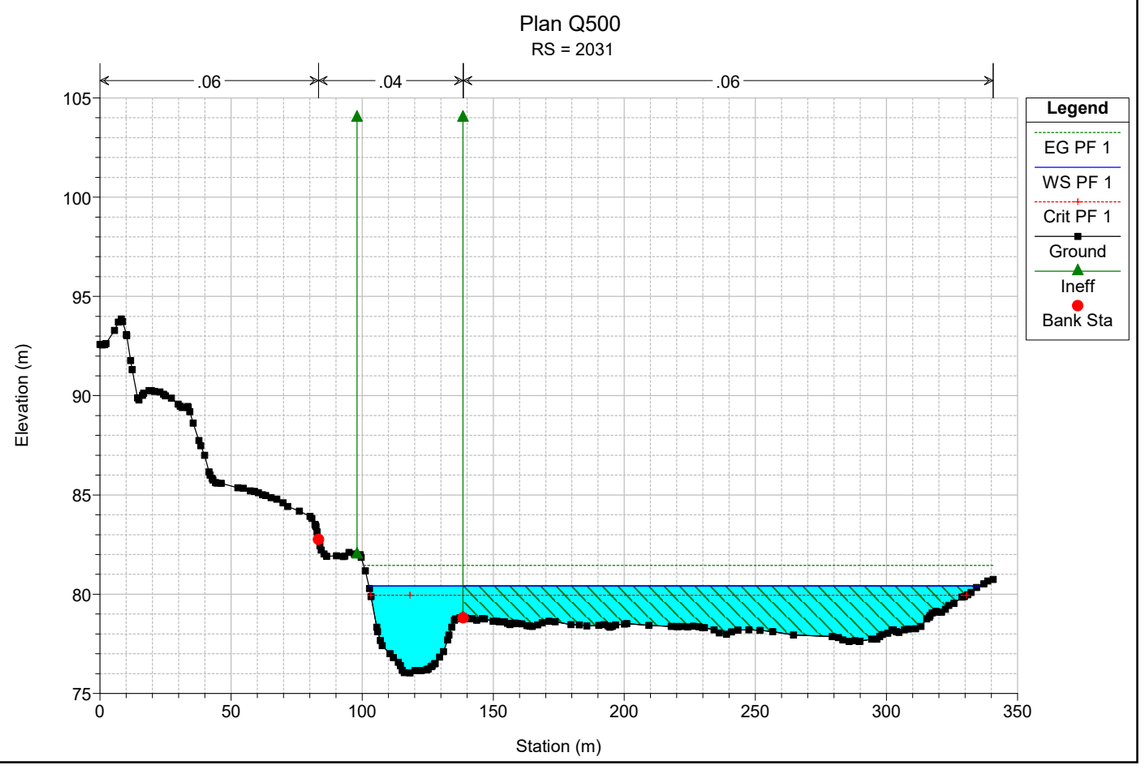

Plan Q500
RS = 2201
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

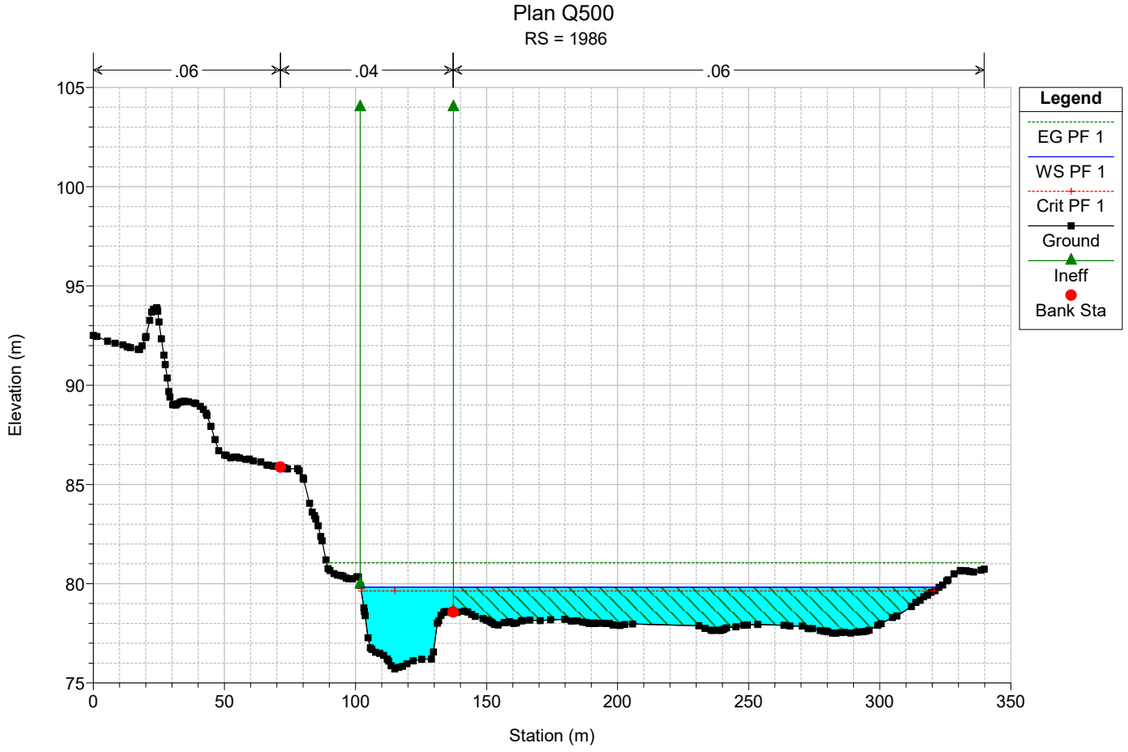

Plan Q500
RS = 2171
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

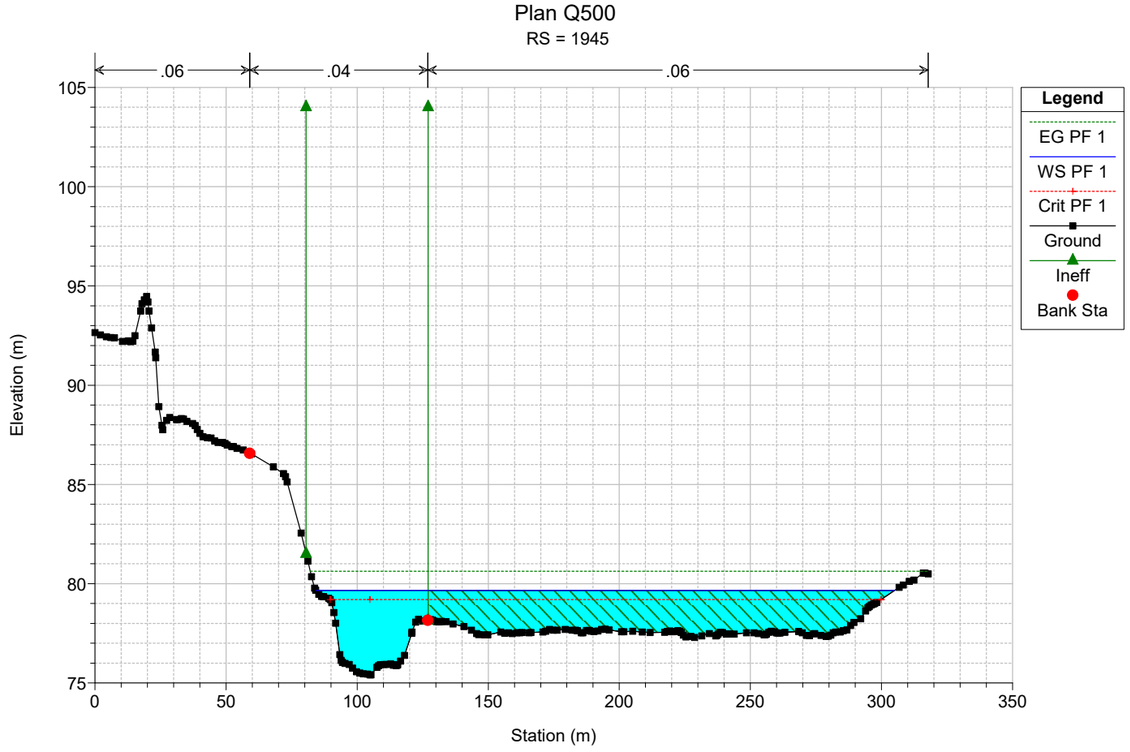

Plan Q500
RS = 2141
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

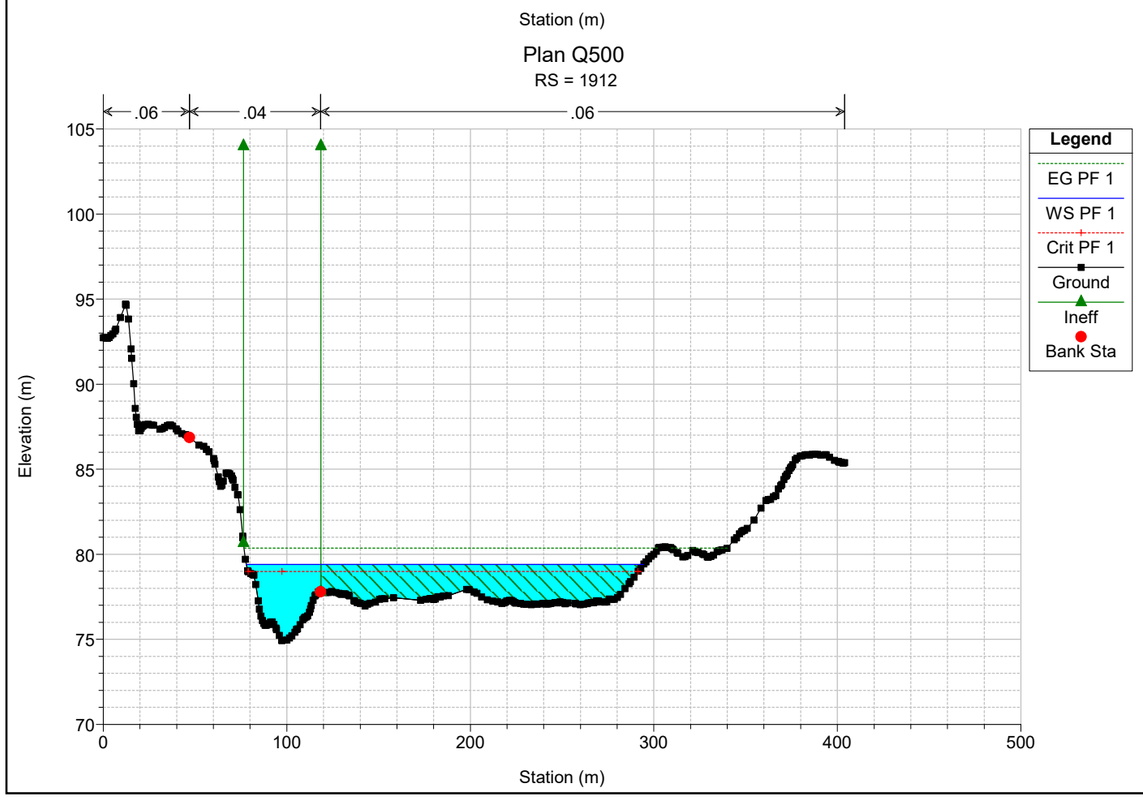

Plan Q500
RS = 2102
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

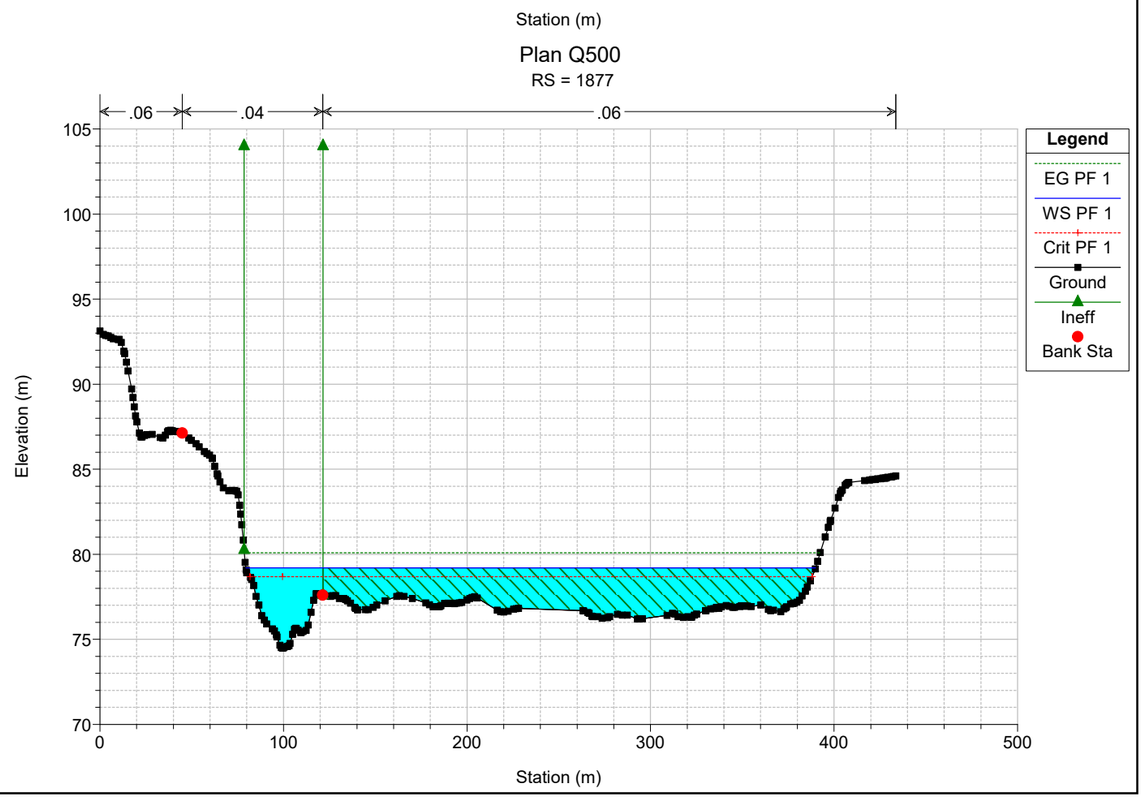

Plan Q500
RS = 2063
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

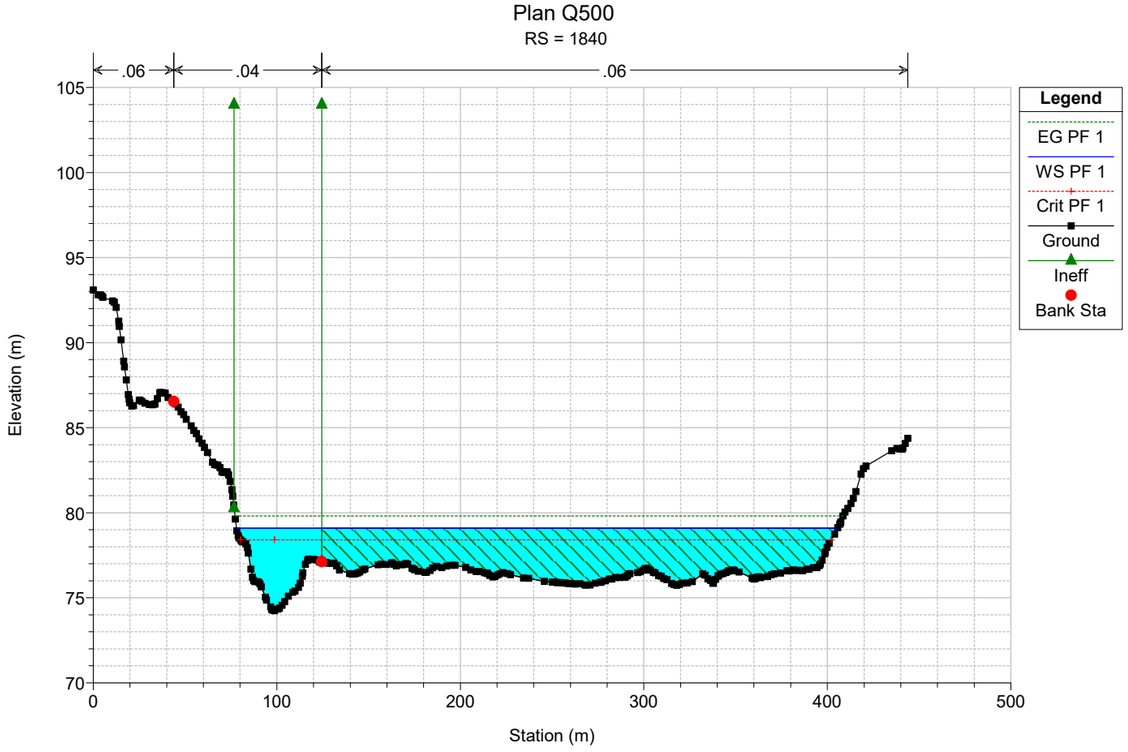

Plan Q500
RS = 2031
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

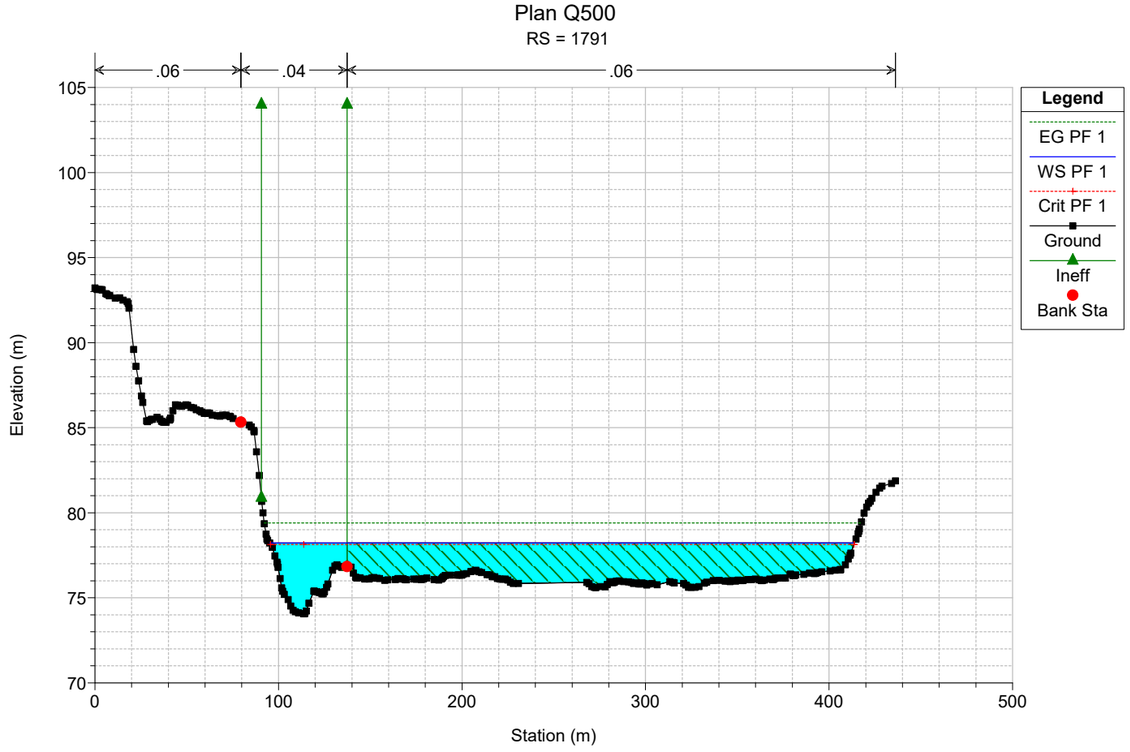

Plan Q500
RS = 1986
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

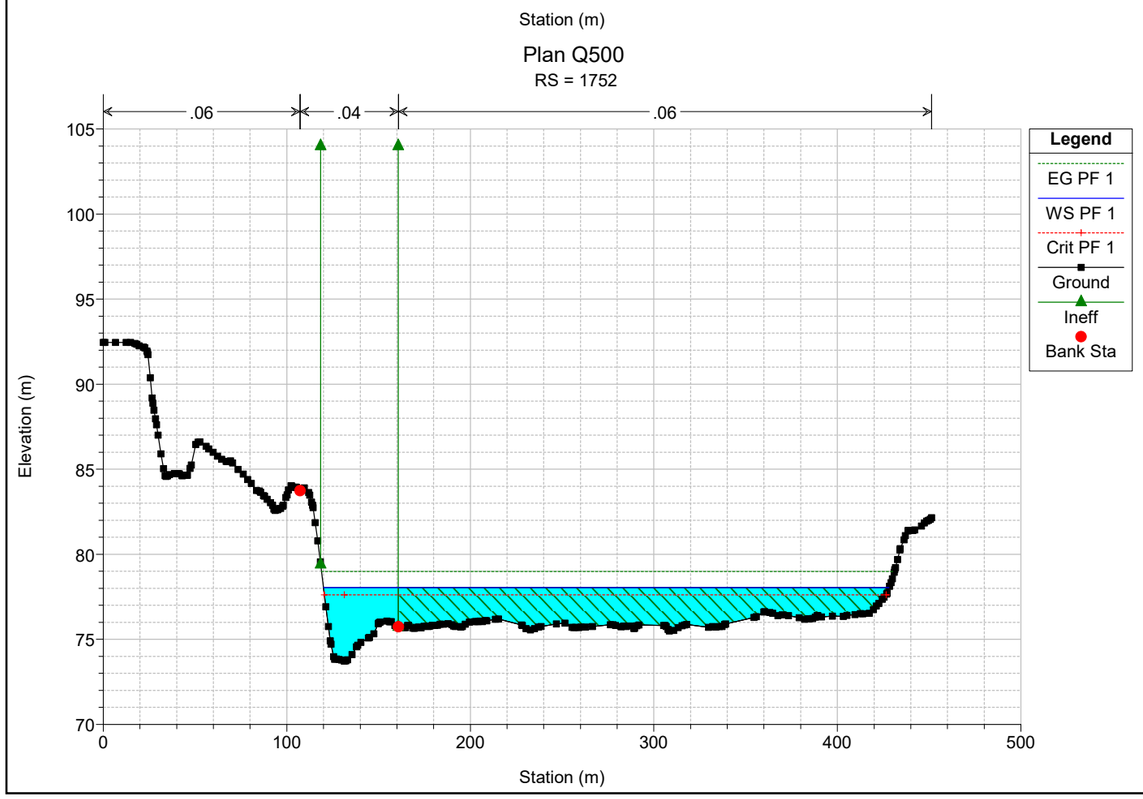

Plan Q500
RS = 1945
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

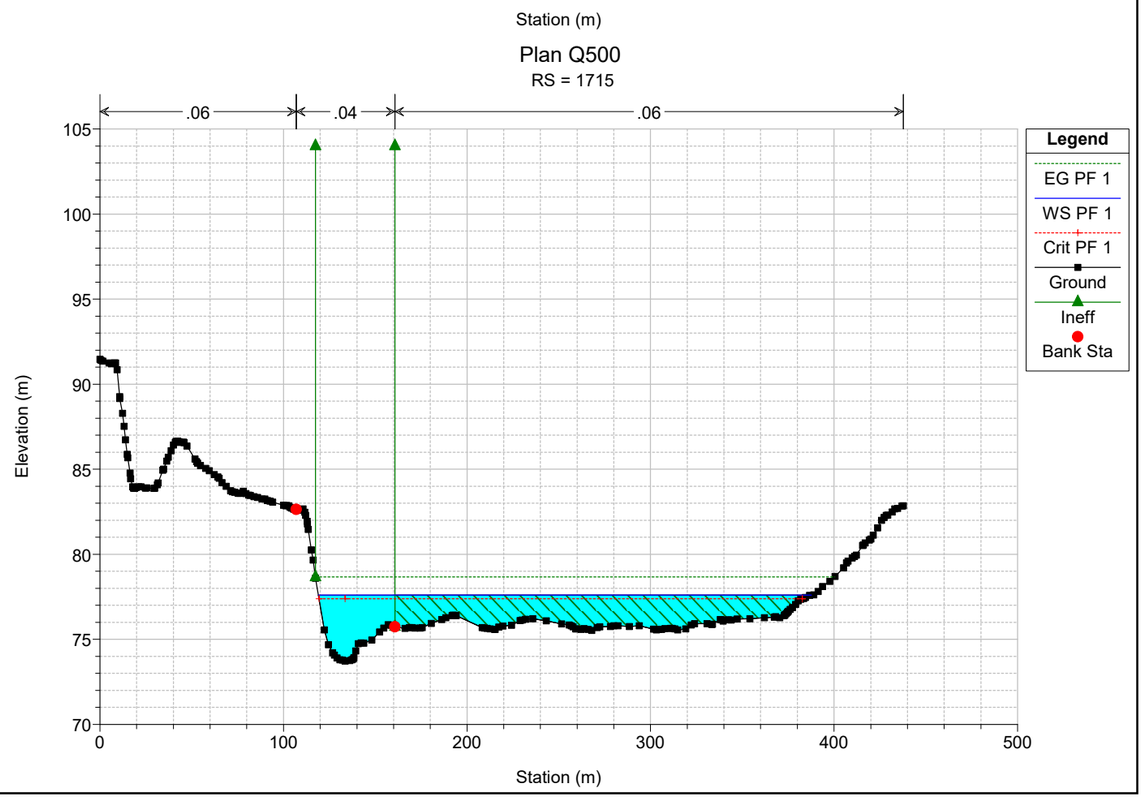

Plan Q500
RS = 1912
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

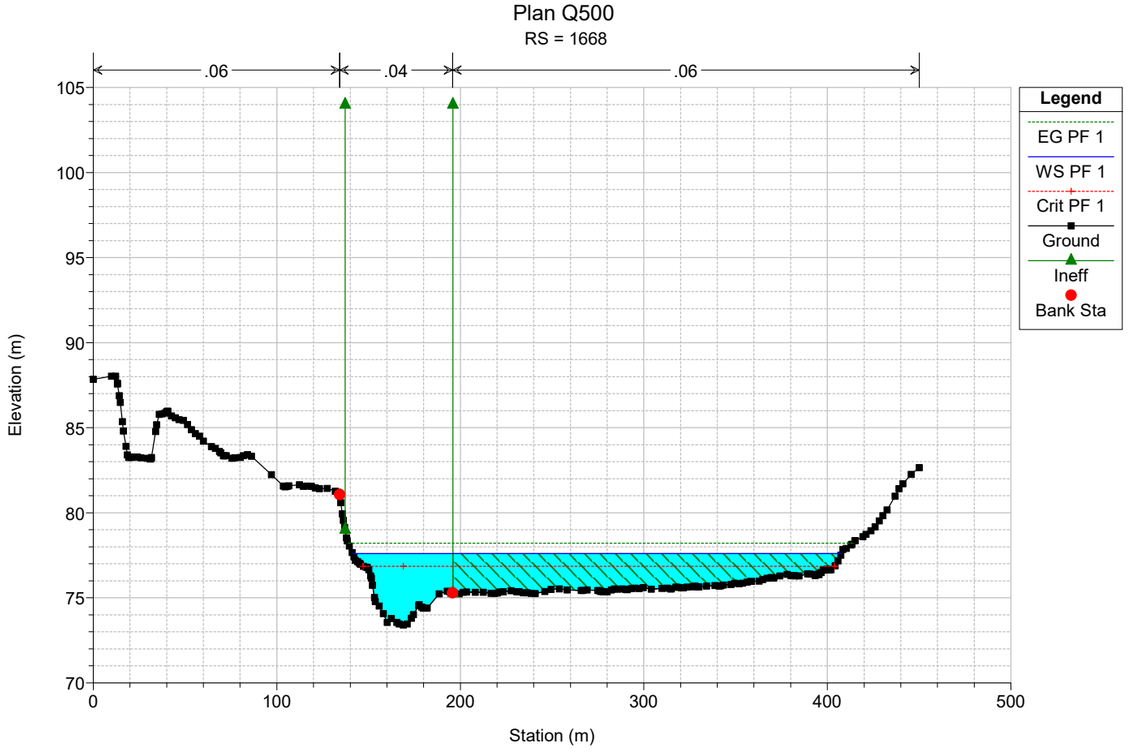

Plan Q500
RS = 1877
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

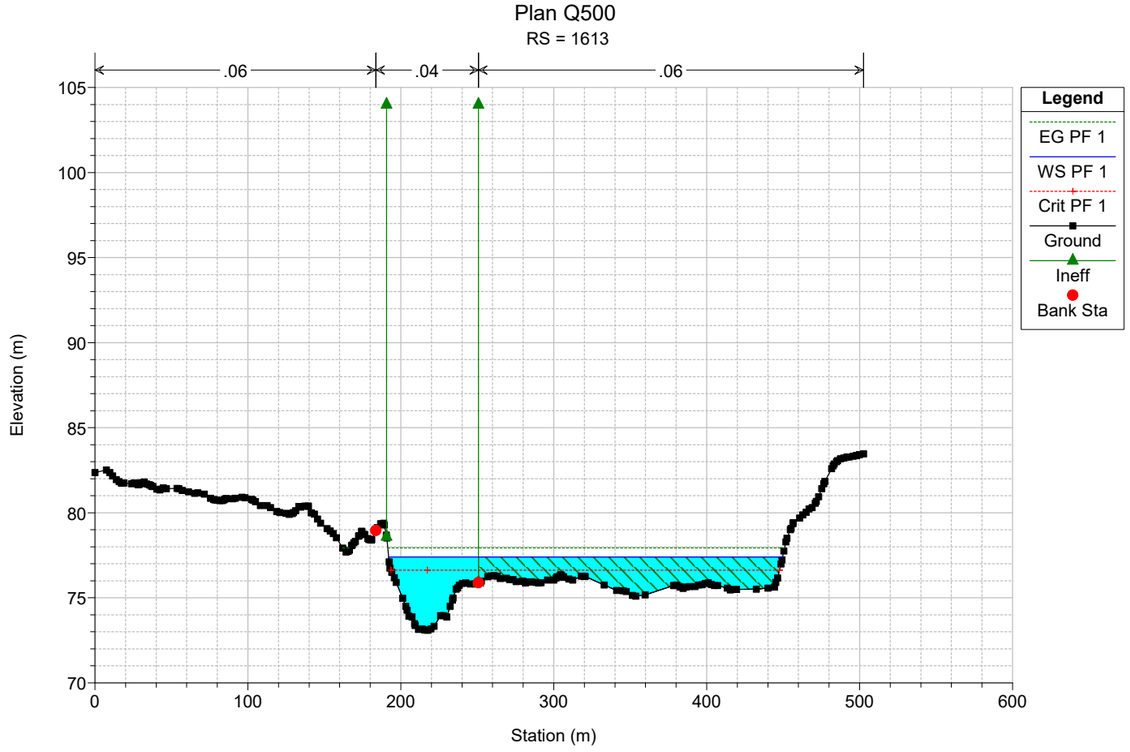

Plan Q500
RS = 1840
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

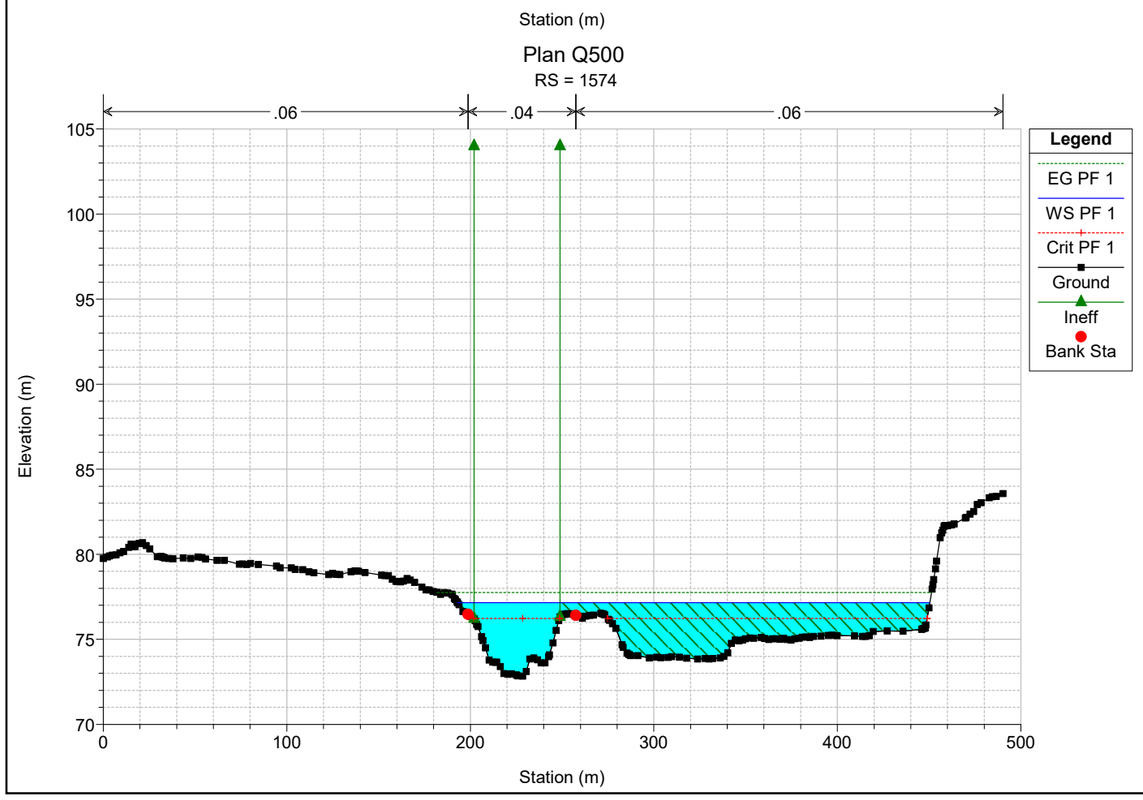

Plan Q500
RS = 1791
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

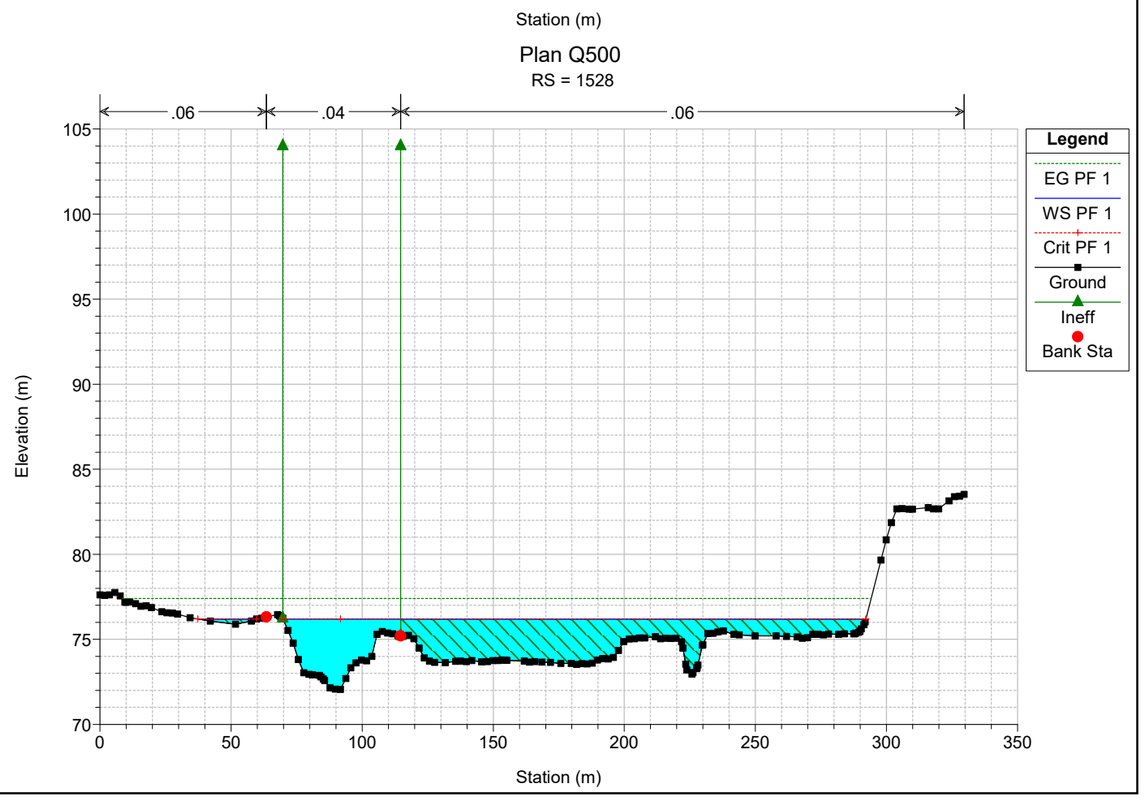

Plan Q500
RS = 1752
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

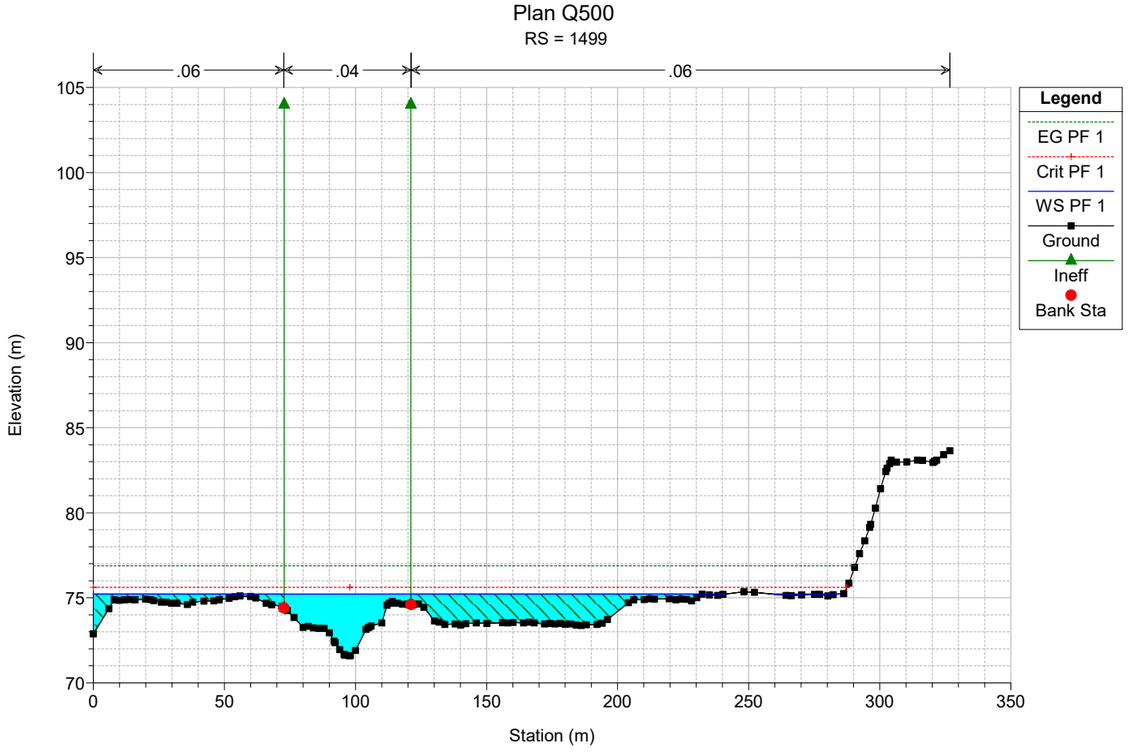

Plan Q500
RS = 1715
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

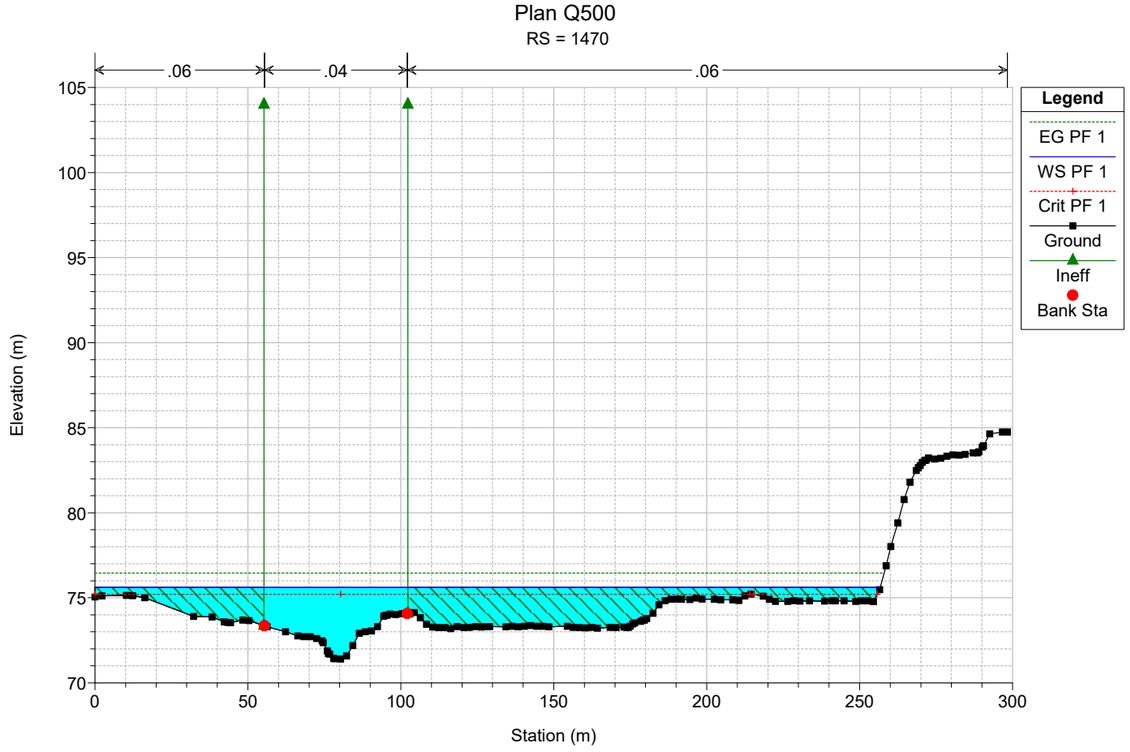

Plan Q500
RS = 1668
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

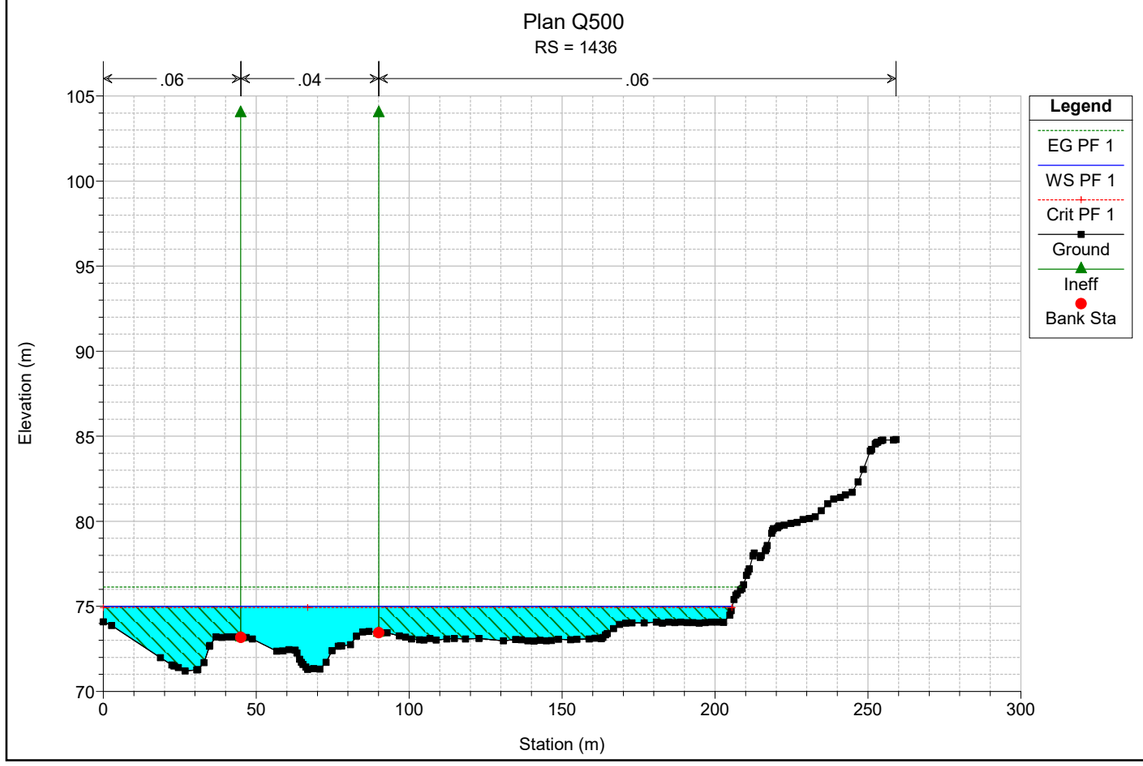

Plan Q500
RS = 1613
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500
600

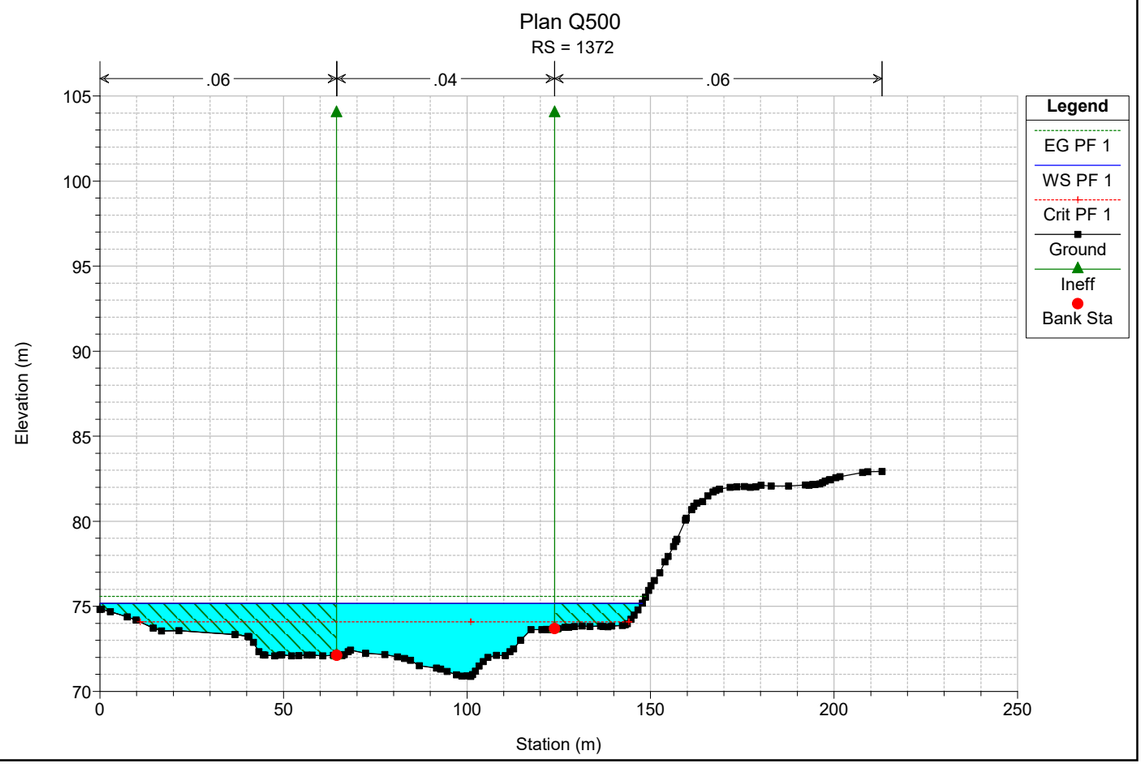

Plan Q500
RS = 1574
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
100
200
300
400
500

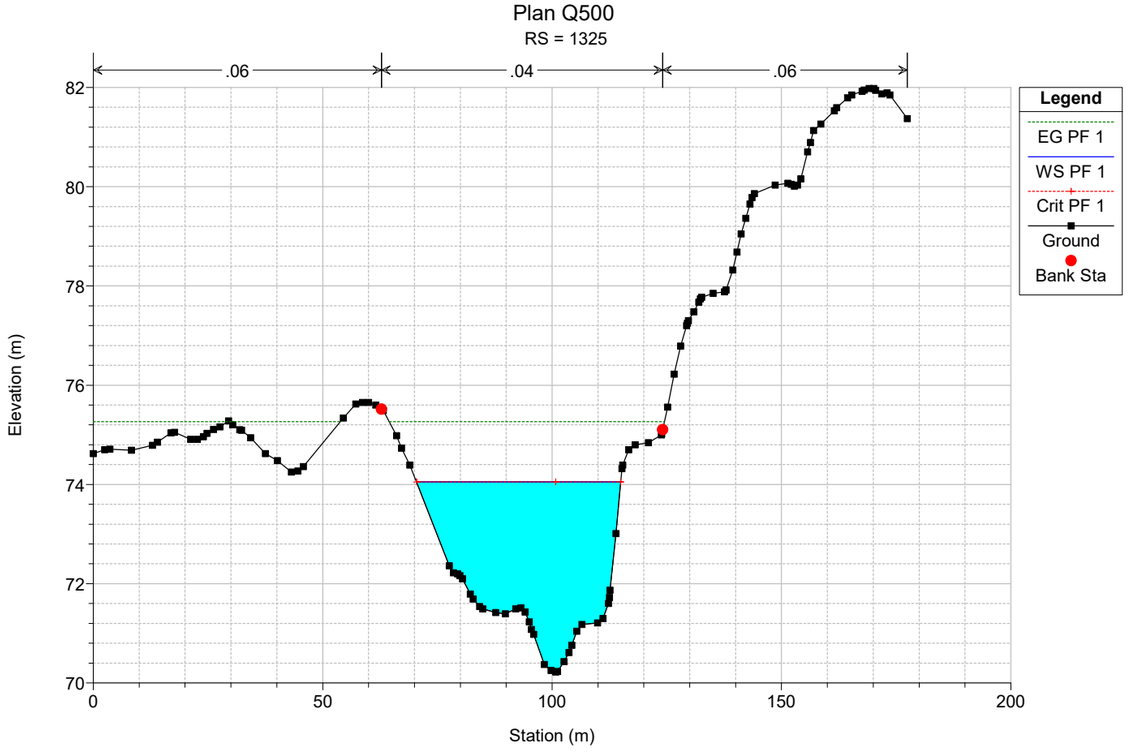

Plan Q500
RS = 1528
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300
350

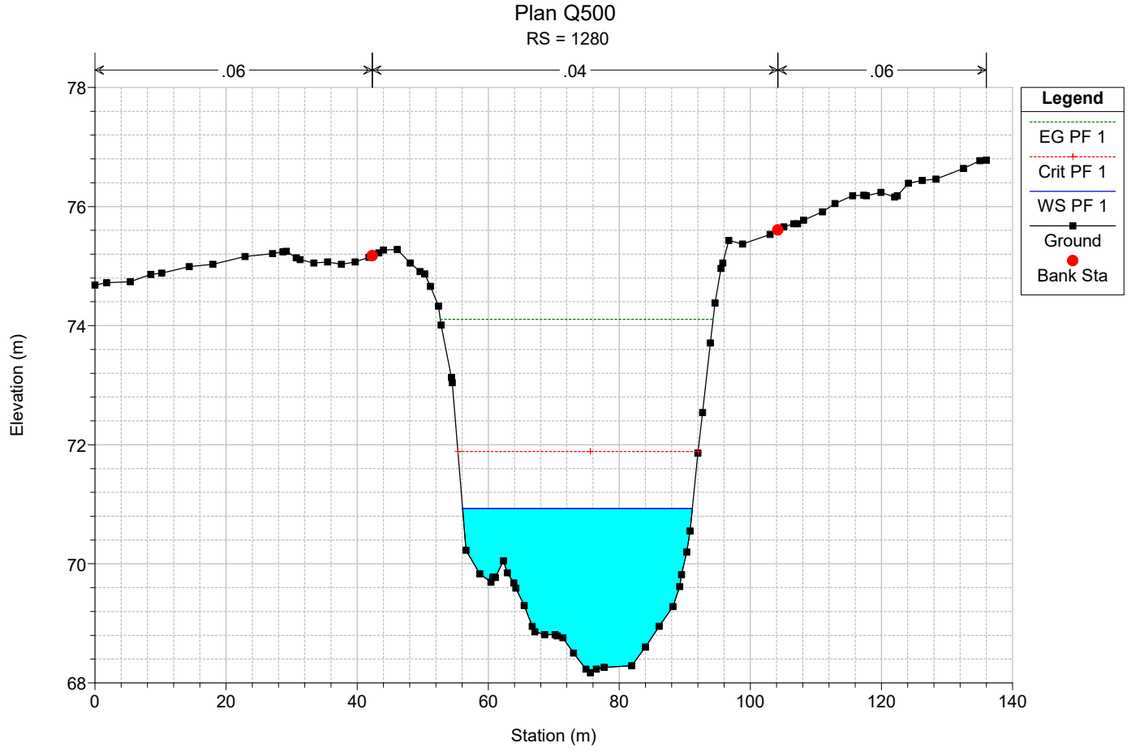

Plan Q500
RS = 1499
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300
350

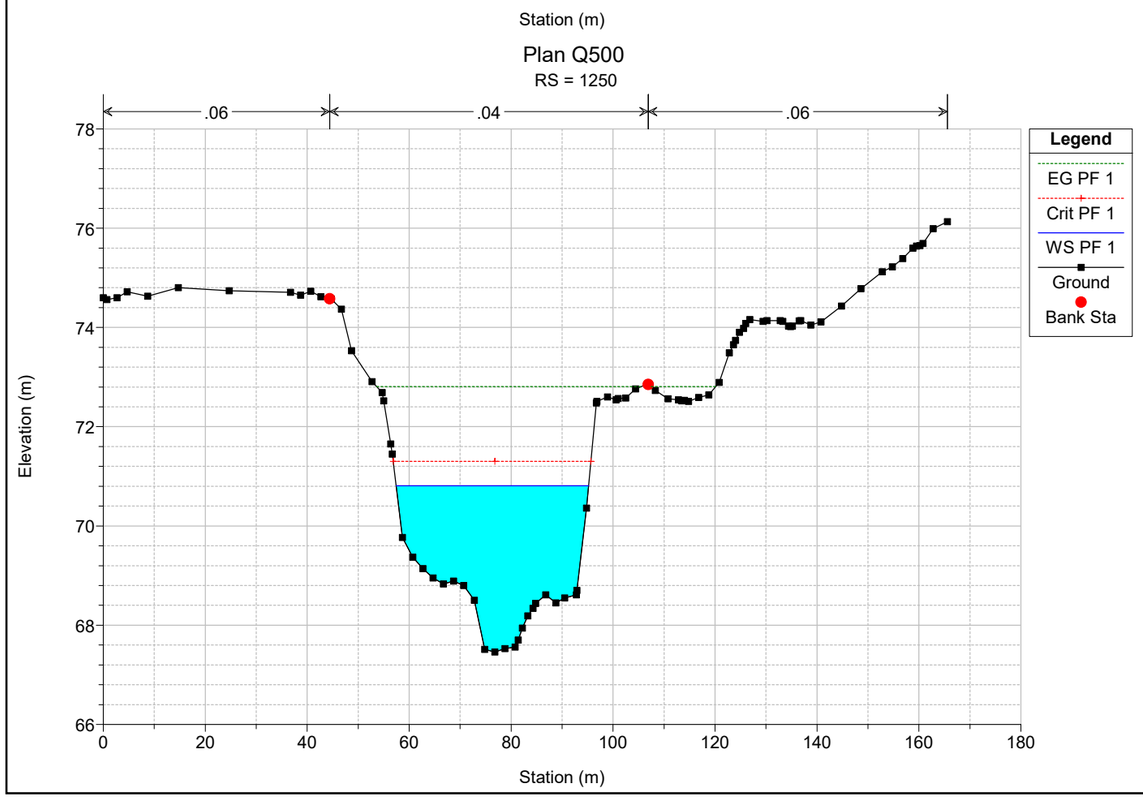

Plan Q500
RS = 1470
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300

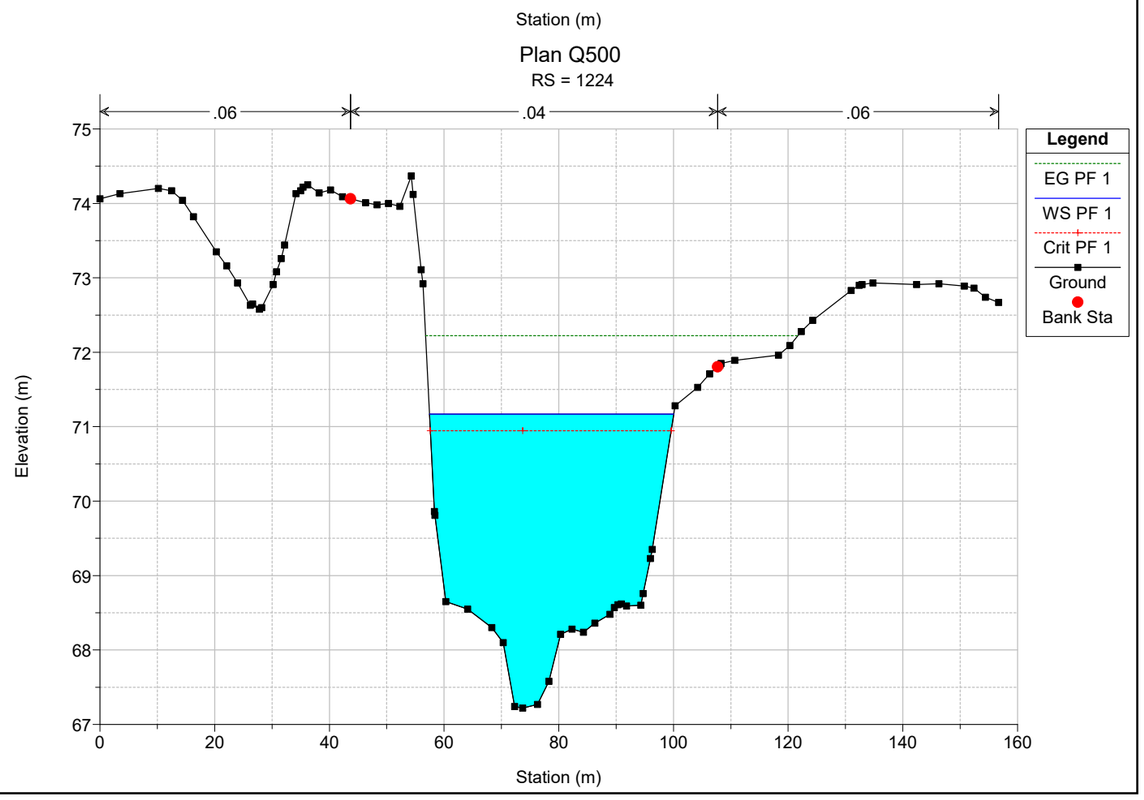

Plan Q500
RS = 1436
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250
300

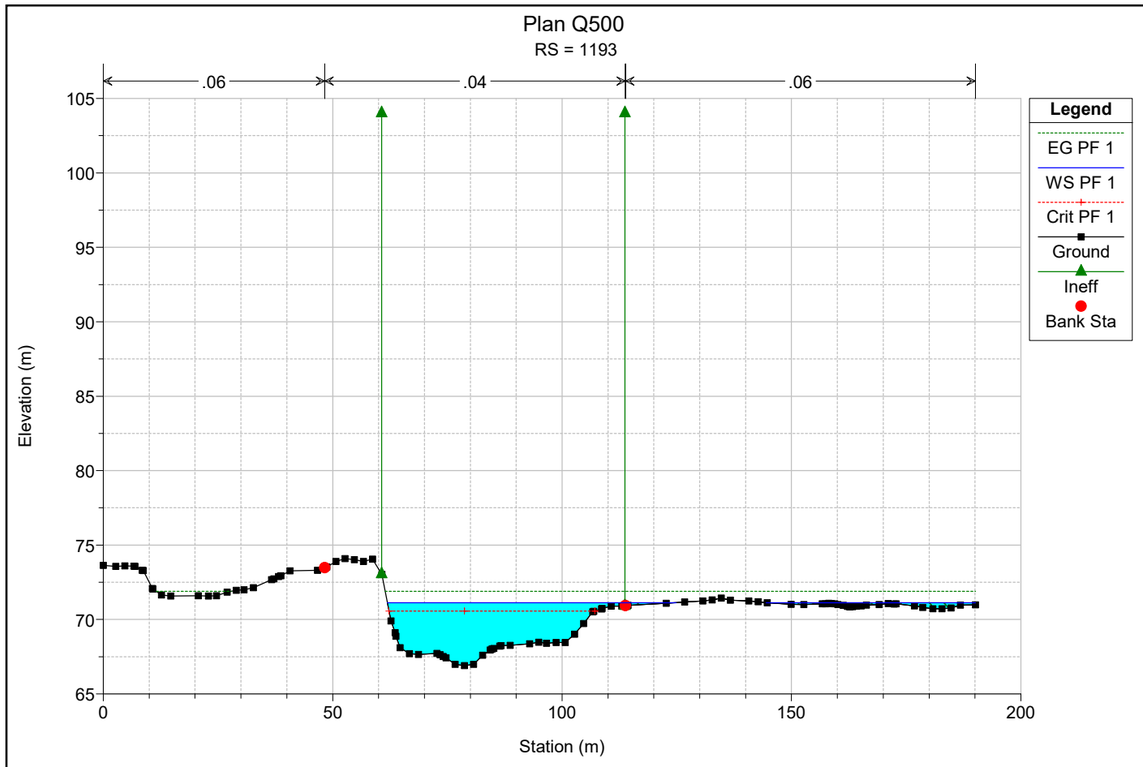

Plan Q500
RS = 1372
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
105
100
95
90
85
80
75
70
0
50
100
150
200
250

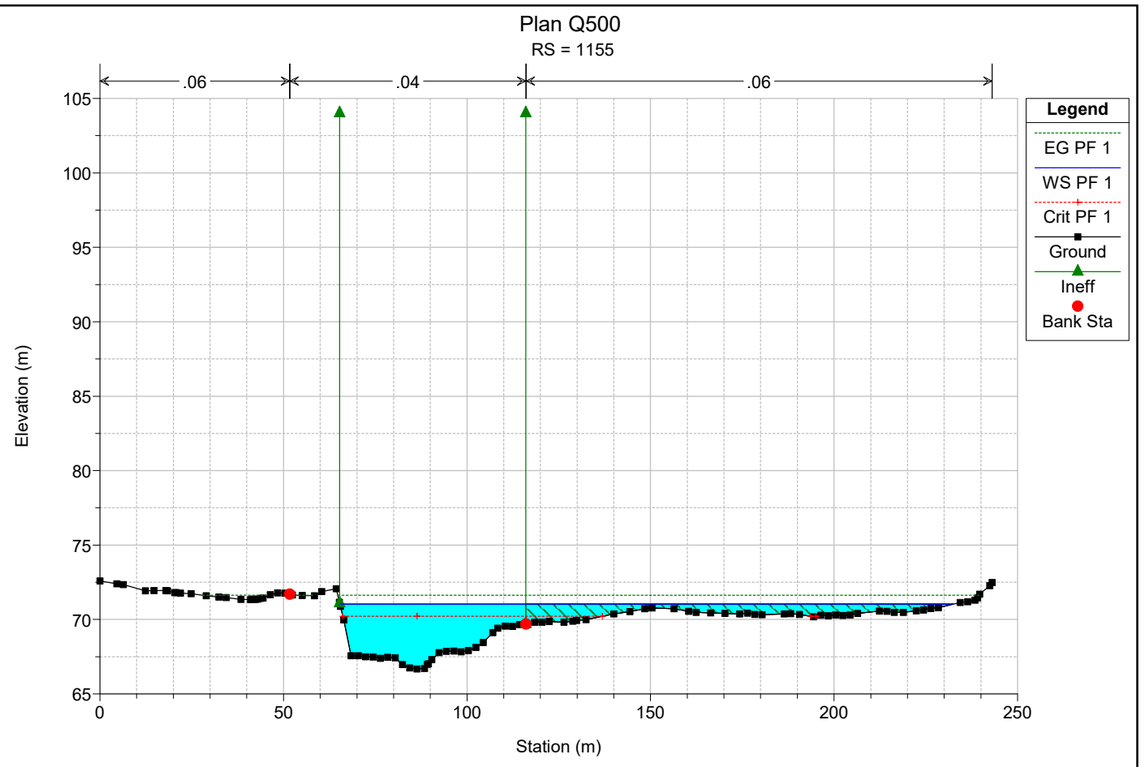

Plan Q500
RS = 1325
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

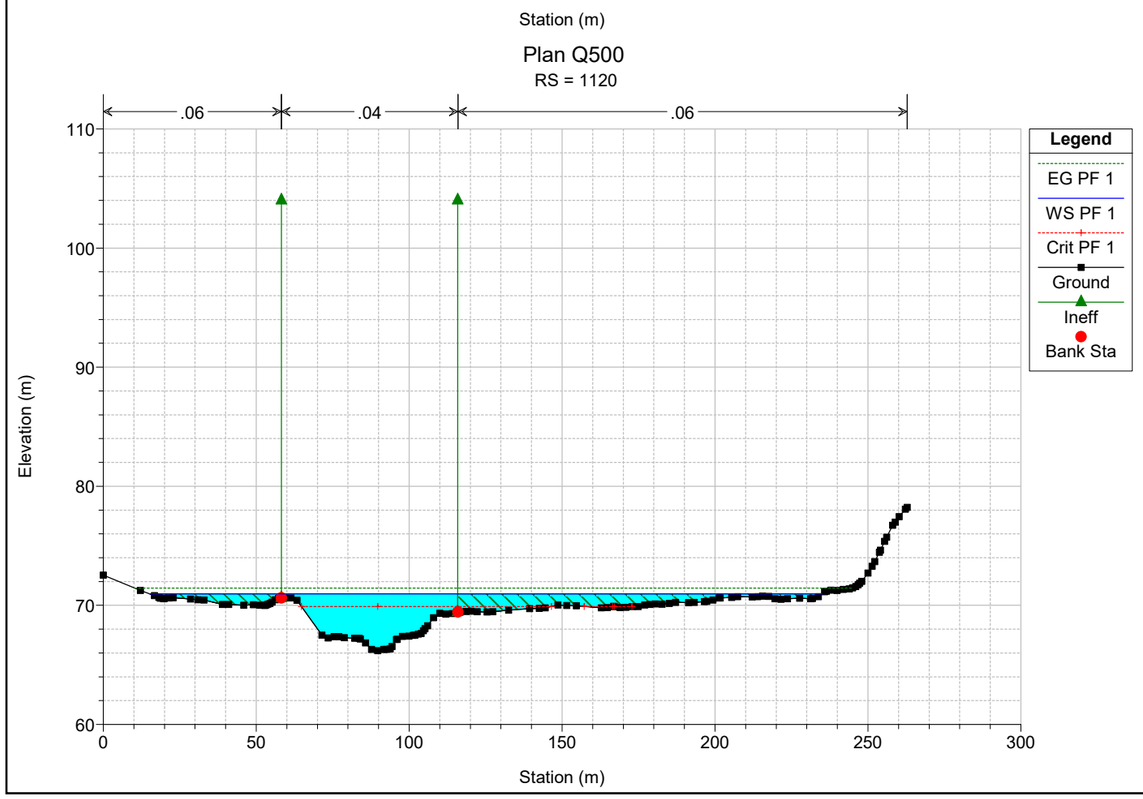

Plan Q500
RS = 1280
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

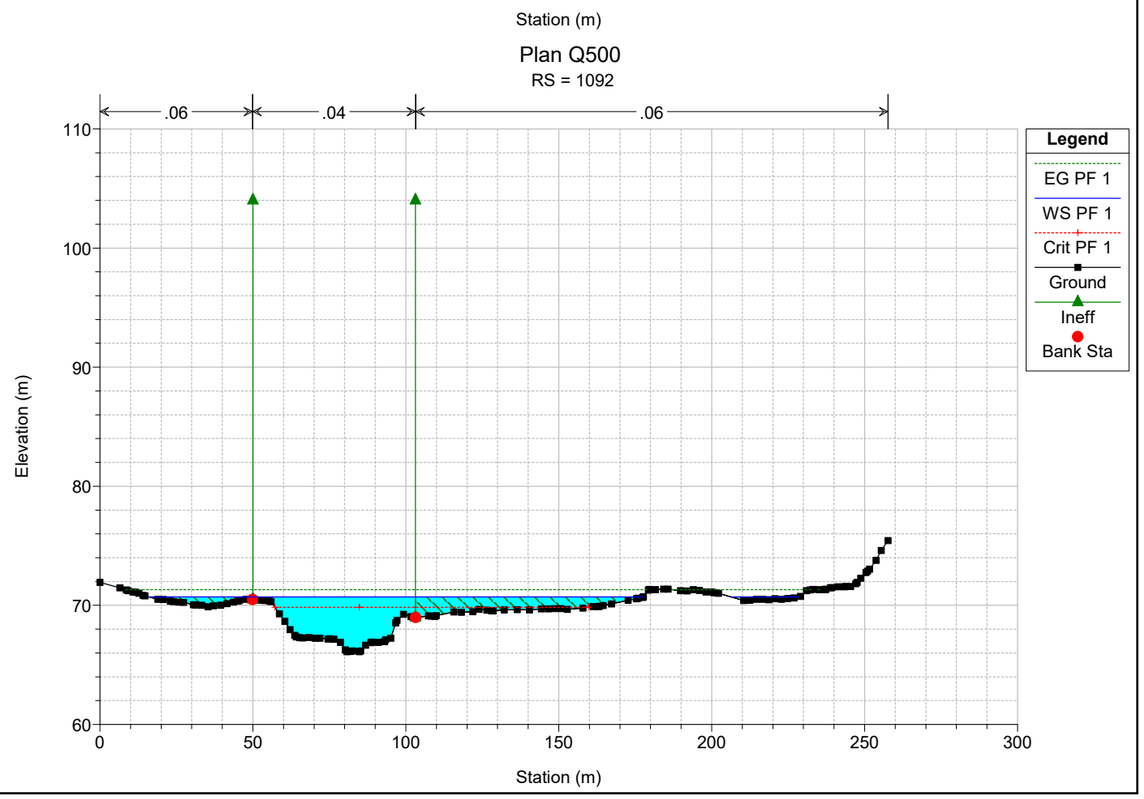

Plan Q500
RS = 1250
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

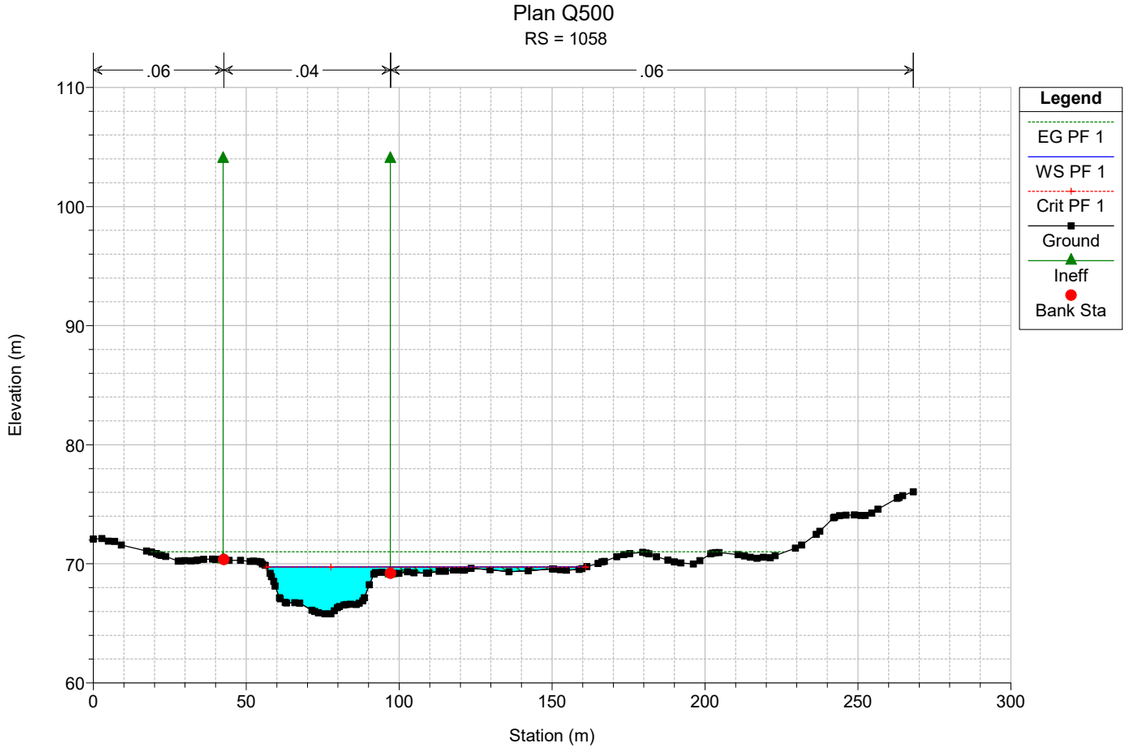

Plan Q500
RS = 1224
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

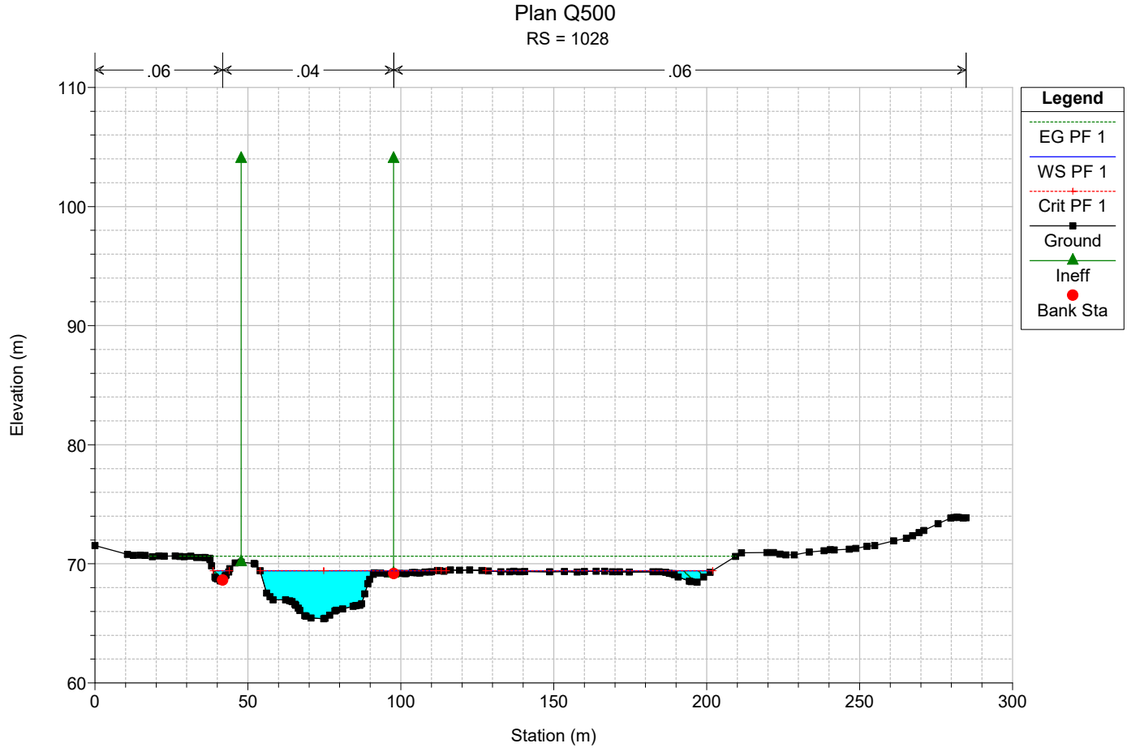

Plan Q500
RS = 1193
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

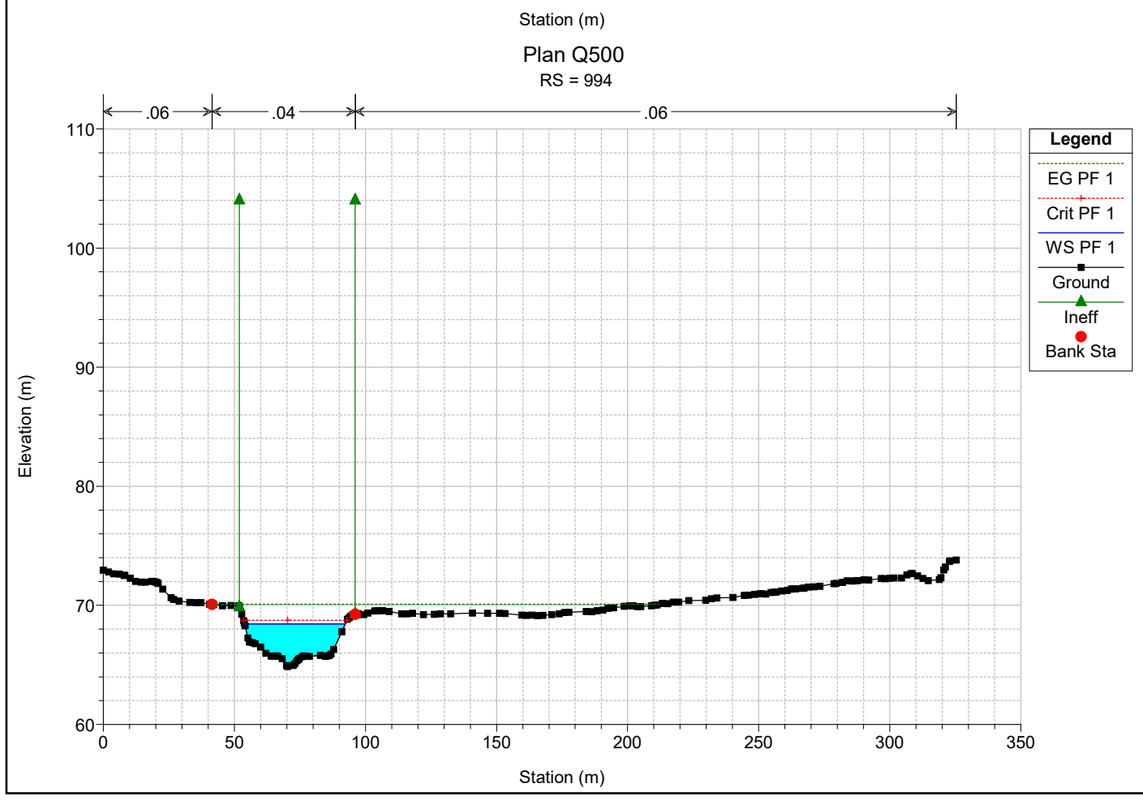

Plan Q500
RS = 1155
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

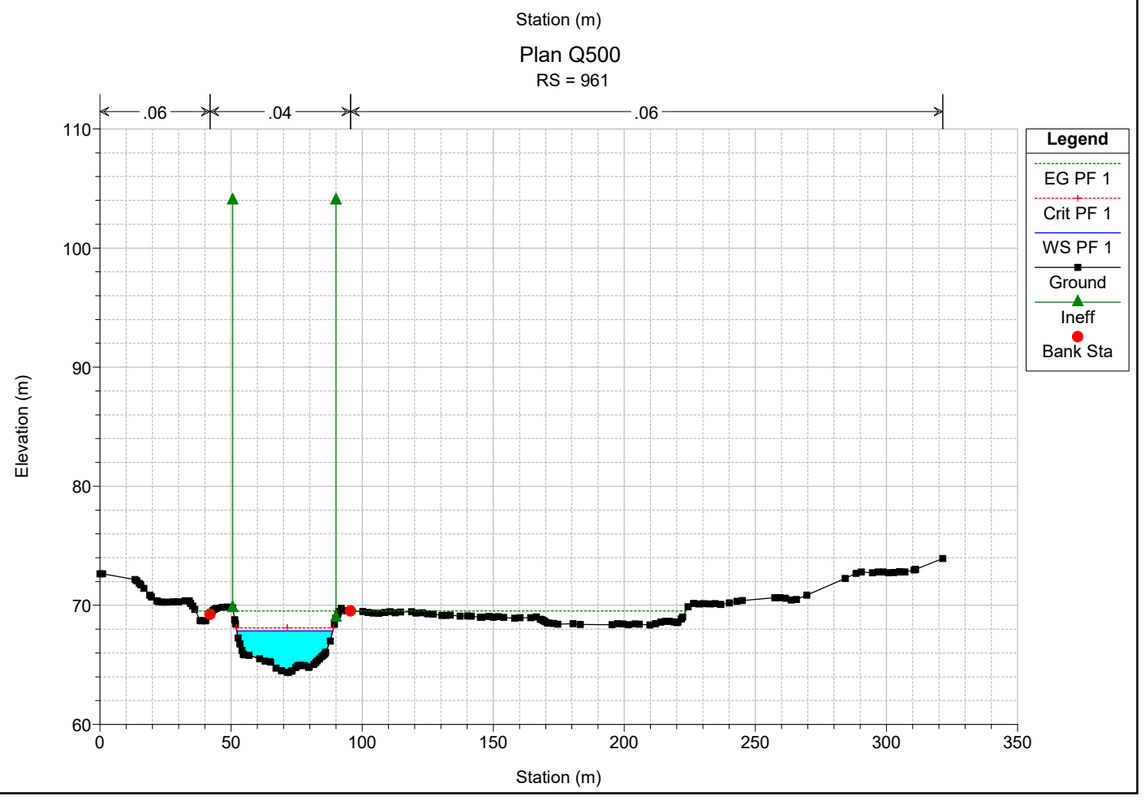

Plan Q500
RS = 1120
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

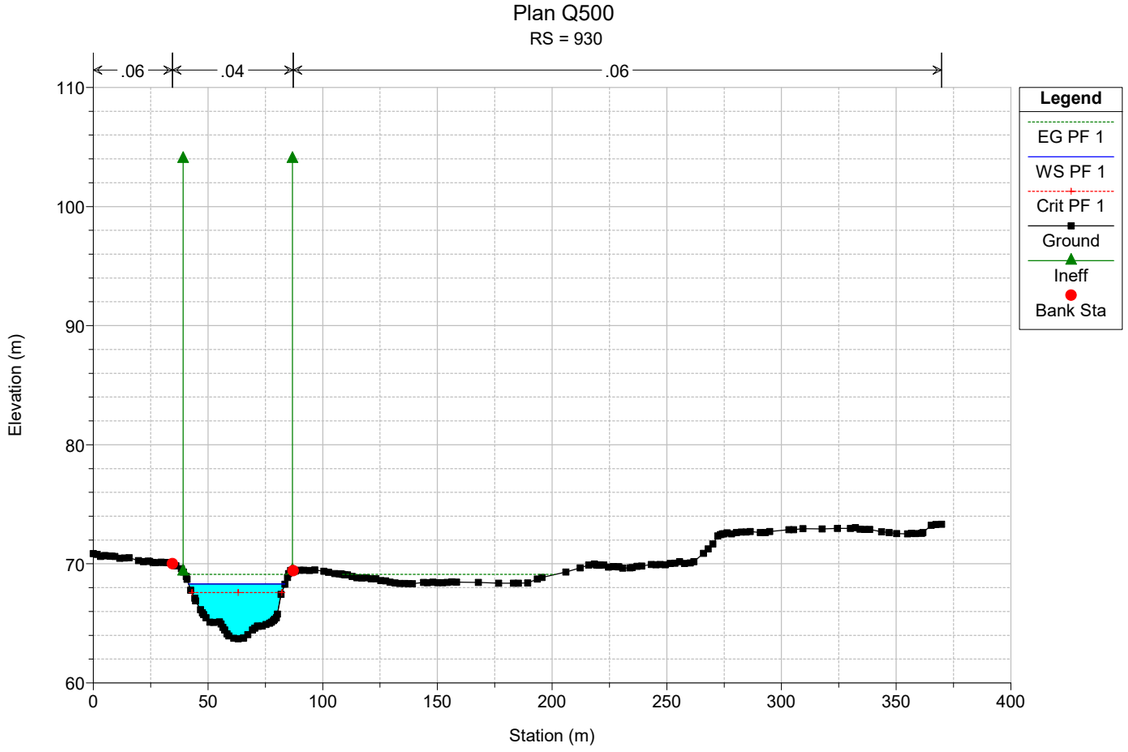

Plan Q500
RS = 1092
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

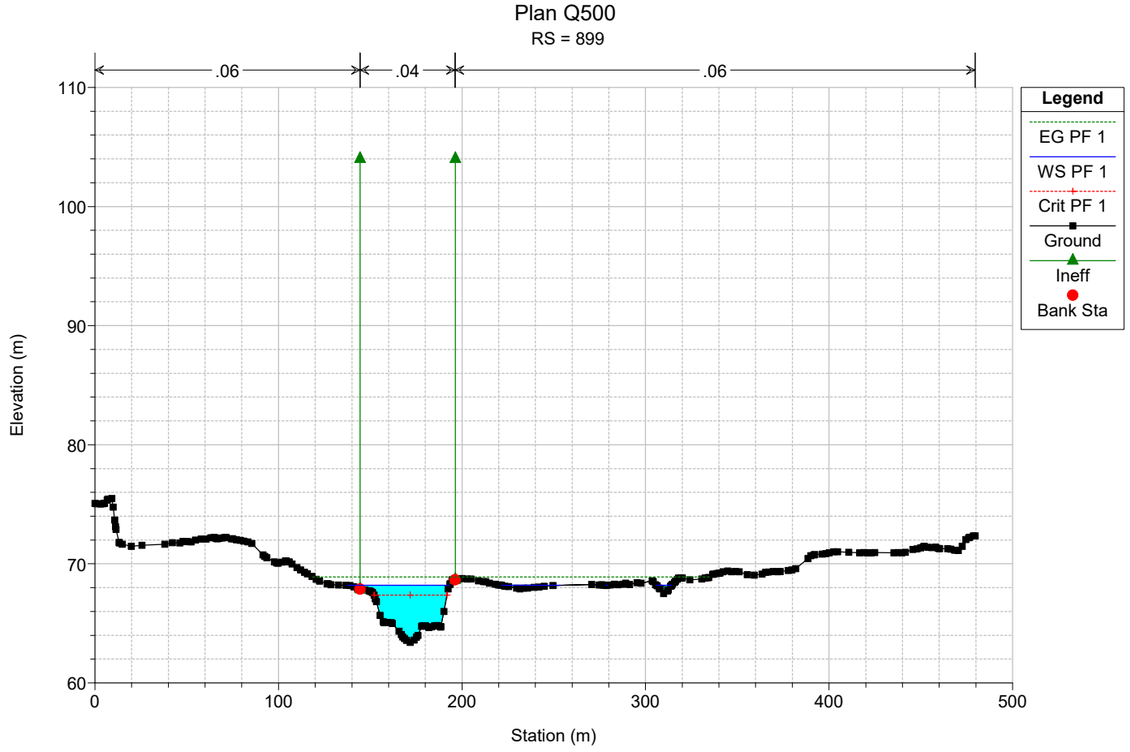

Plan Q500
RS = 1058
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

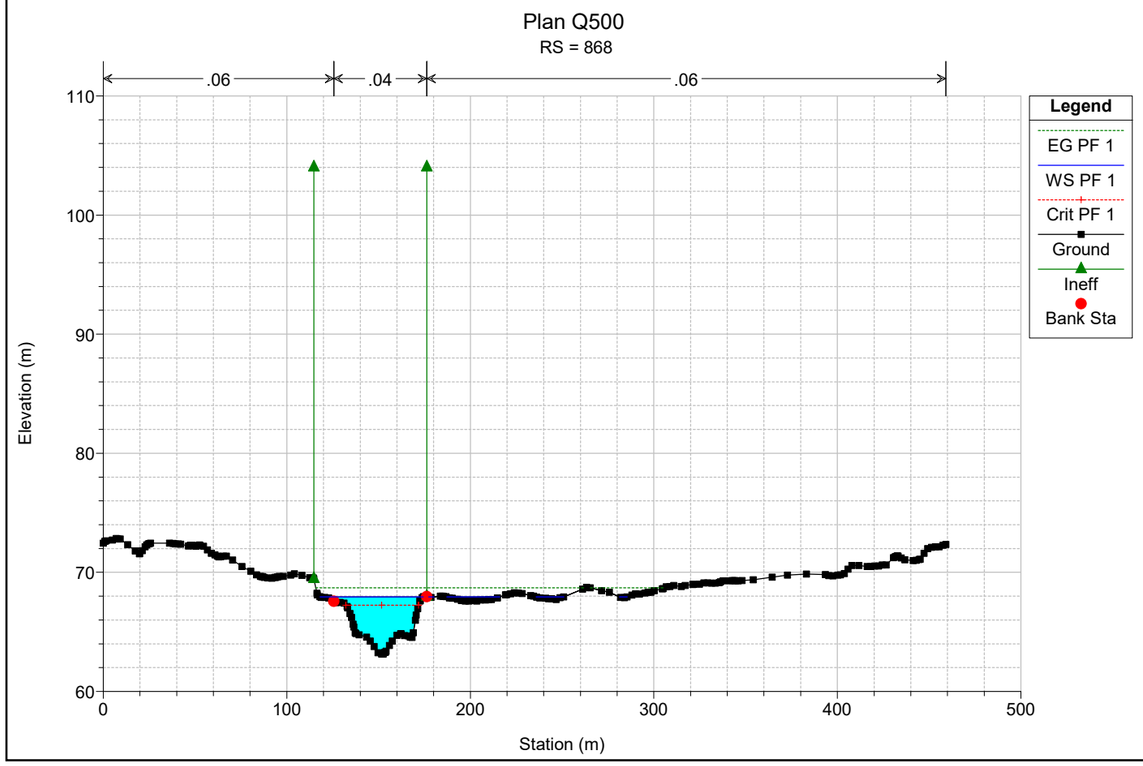

Plan Q500
RS = 1028
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

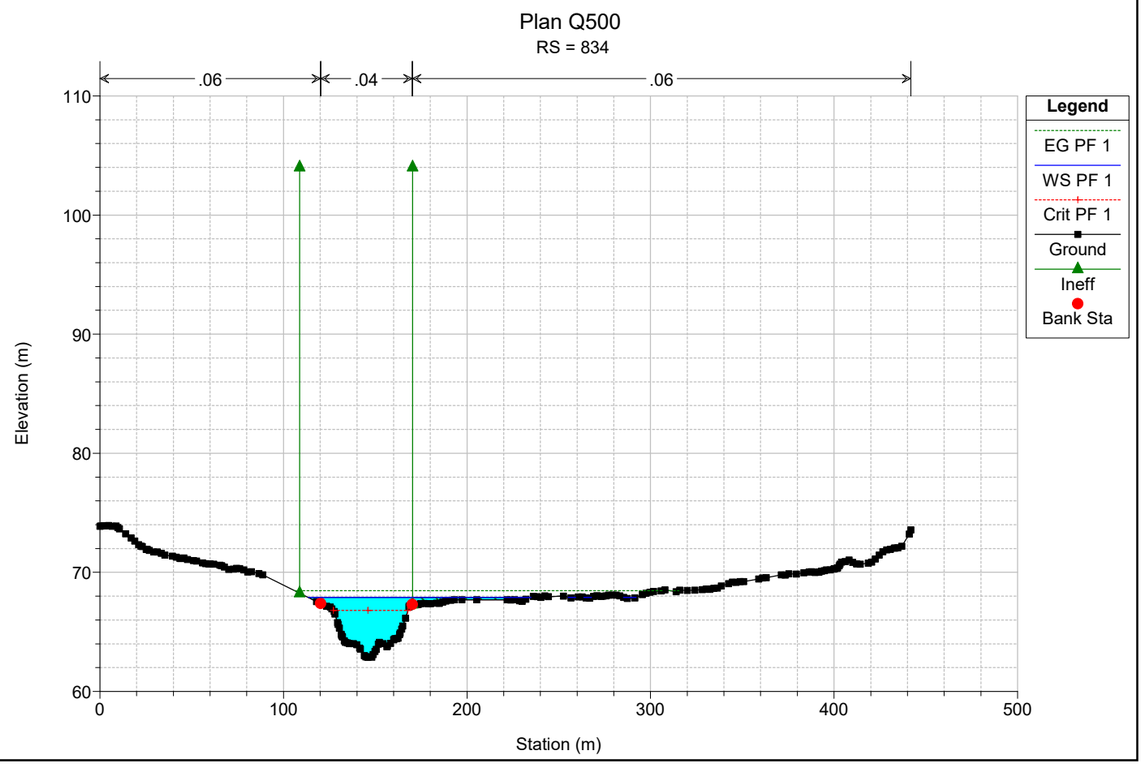

Plan Q500
RS = 994
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

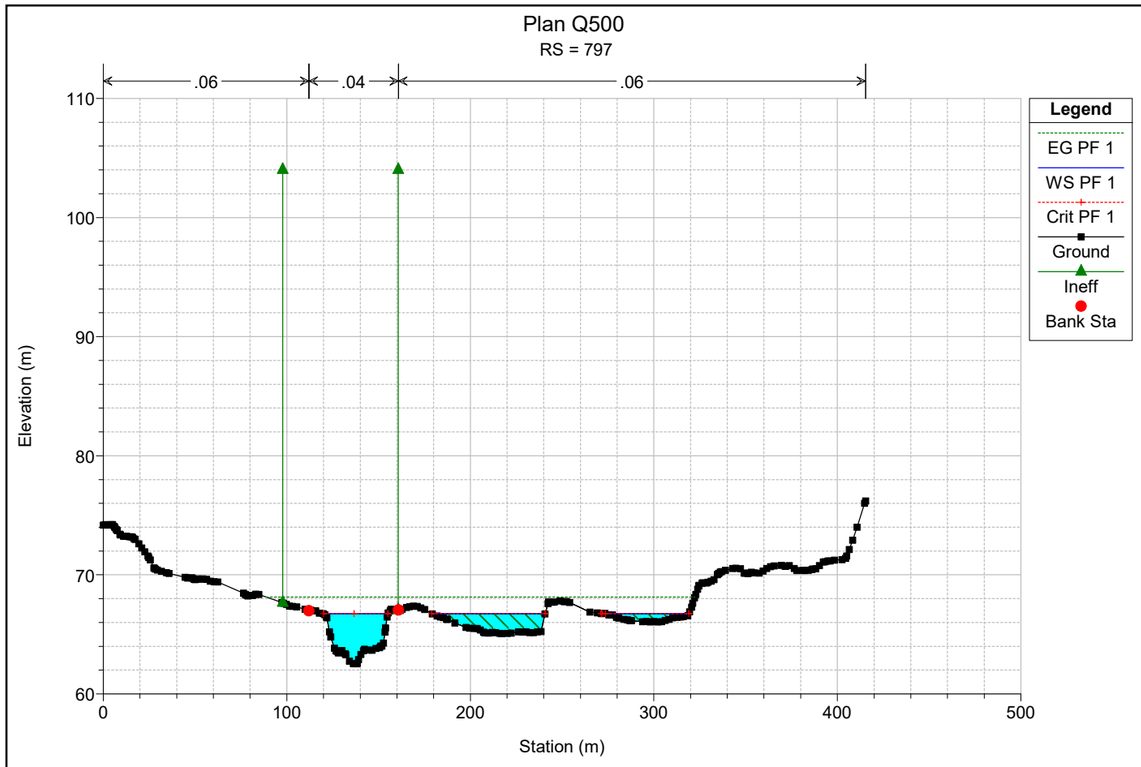

Plan Q500
RS = 961
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

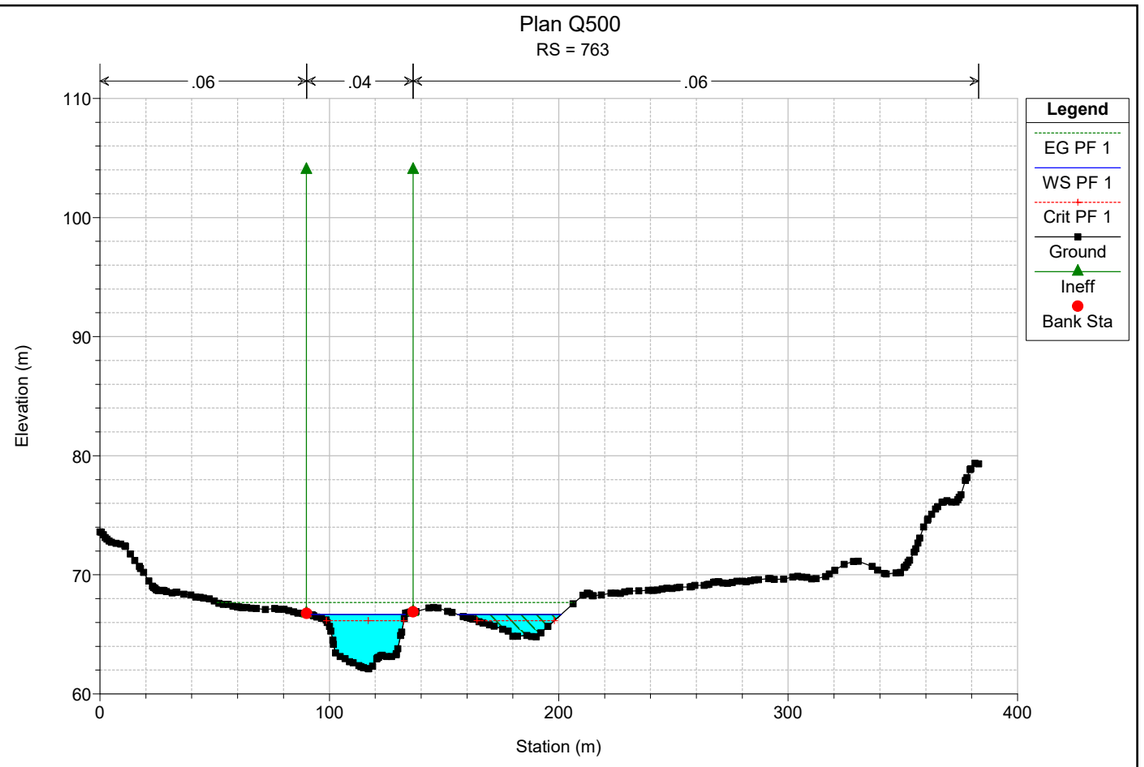

Plan Q500
RS = 930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

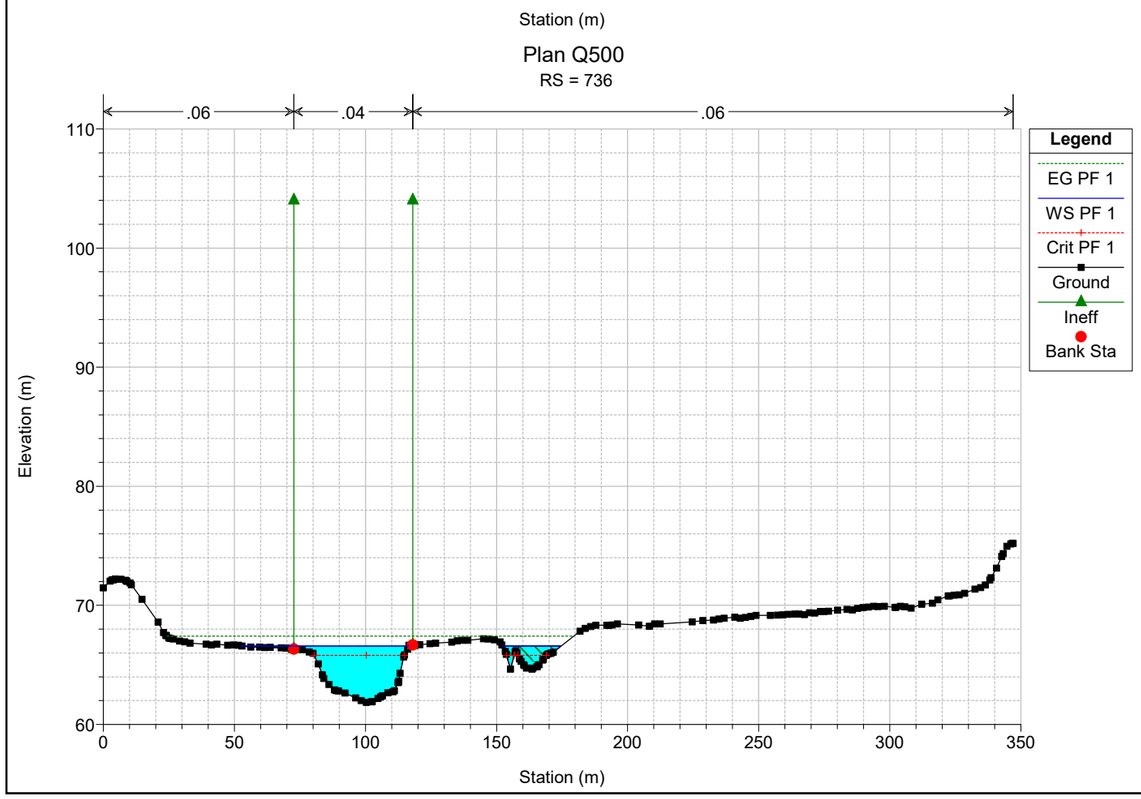

Plan Q500
RS = 899
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

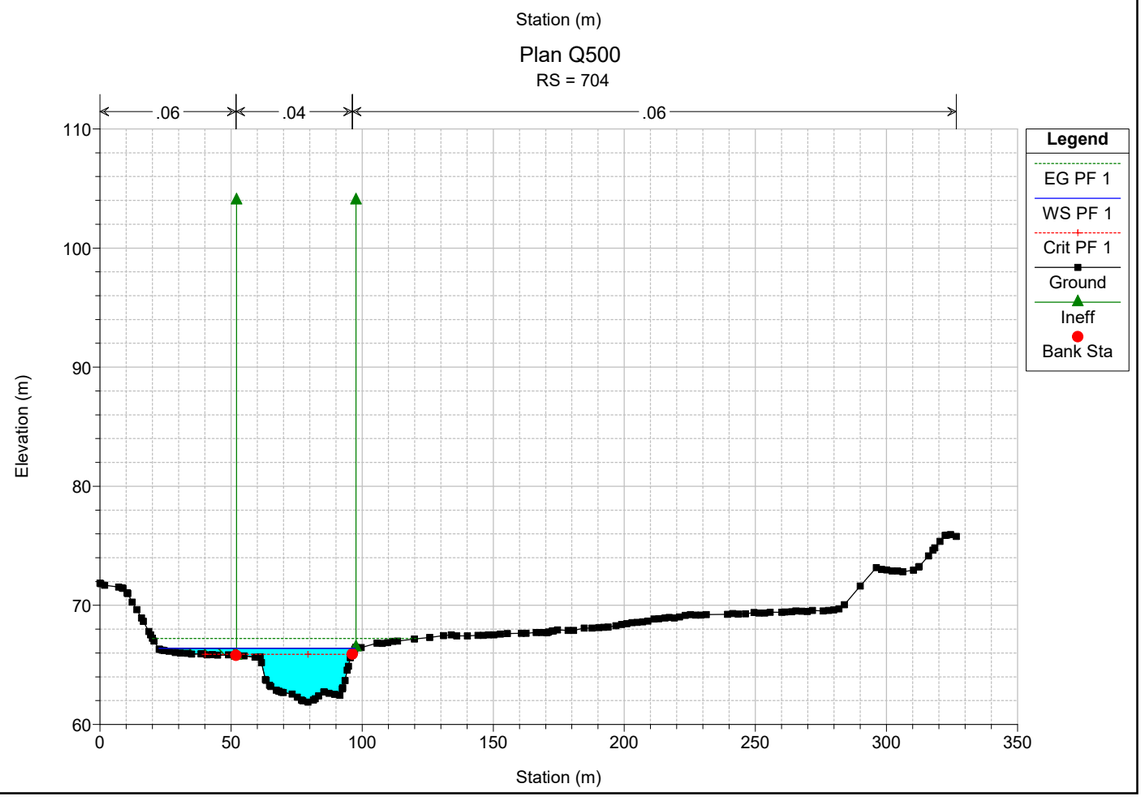

Plan Q500
RS = 868
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

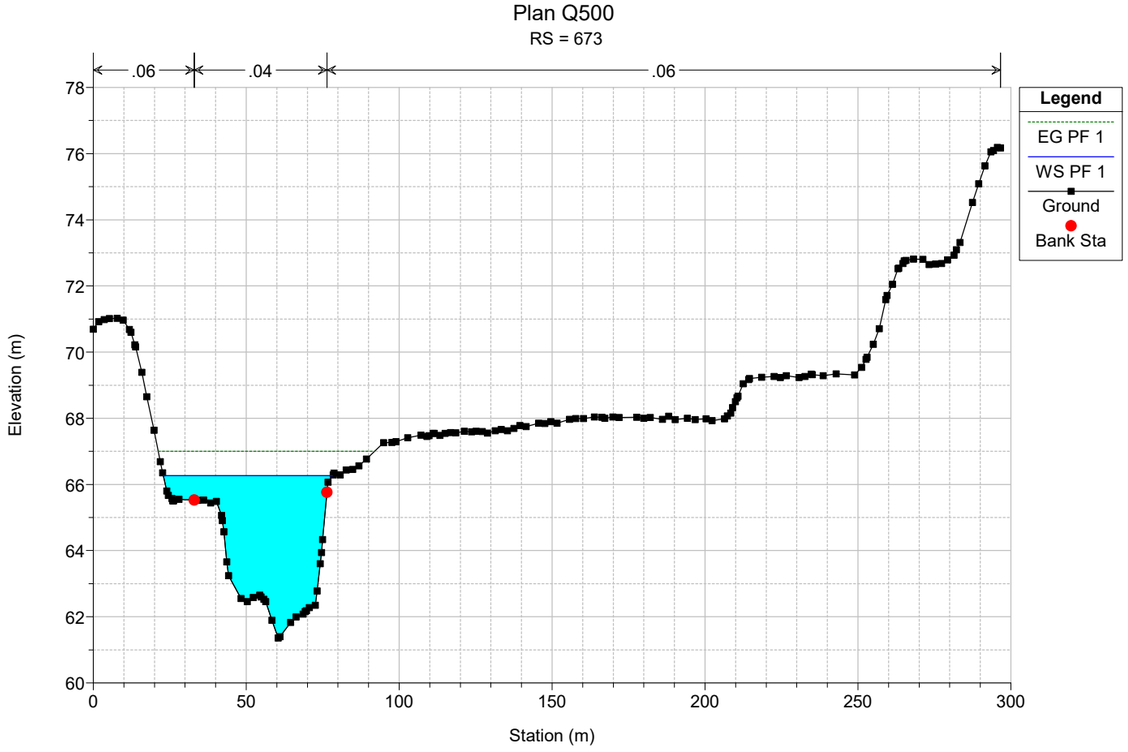

Plan Q500
RS = 834
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

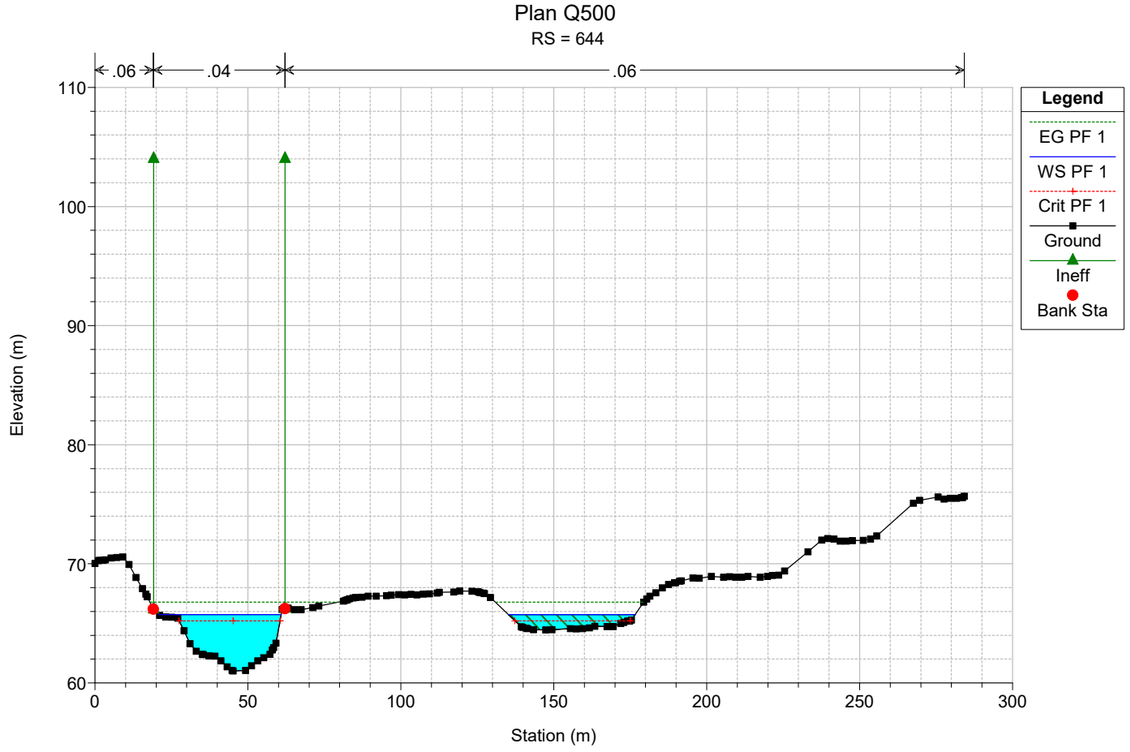

Plan Q500
RS = 797
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500

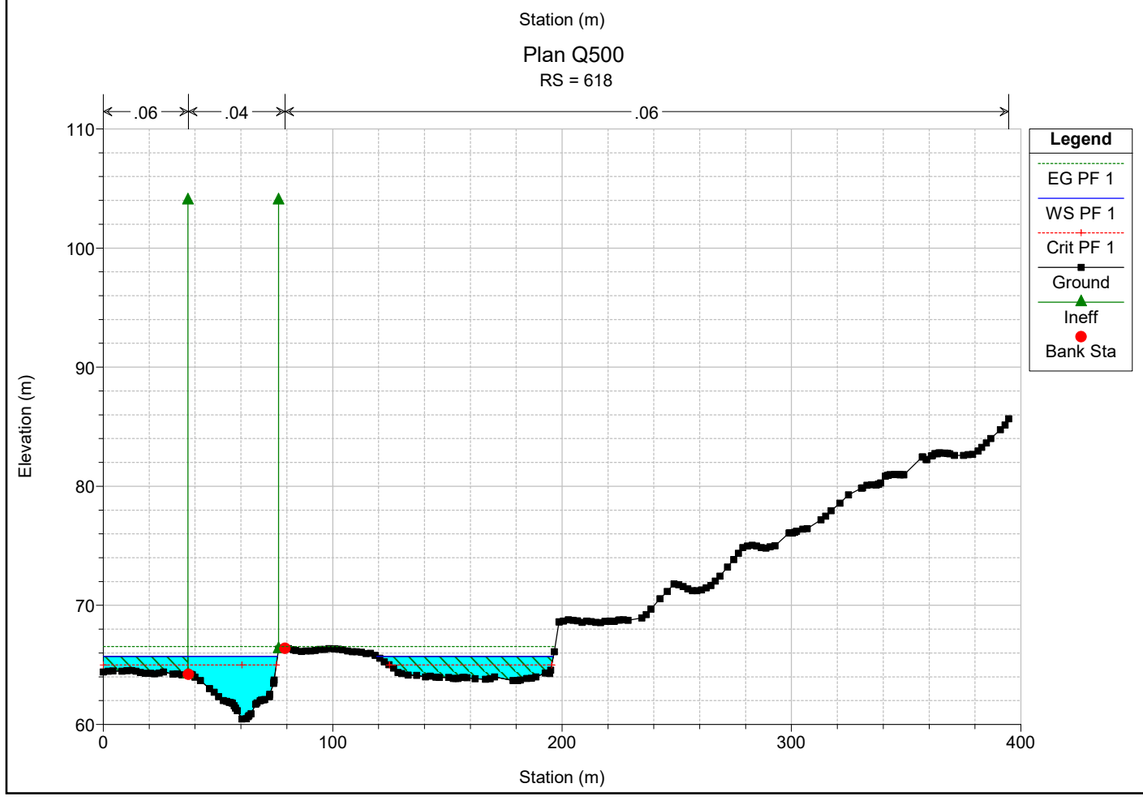

Plan Q500
RS = 763
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

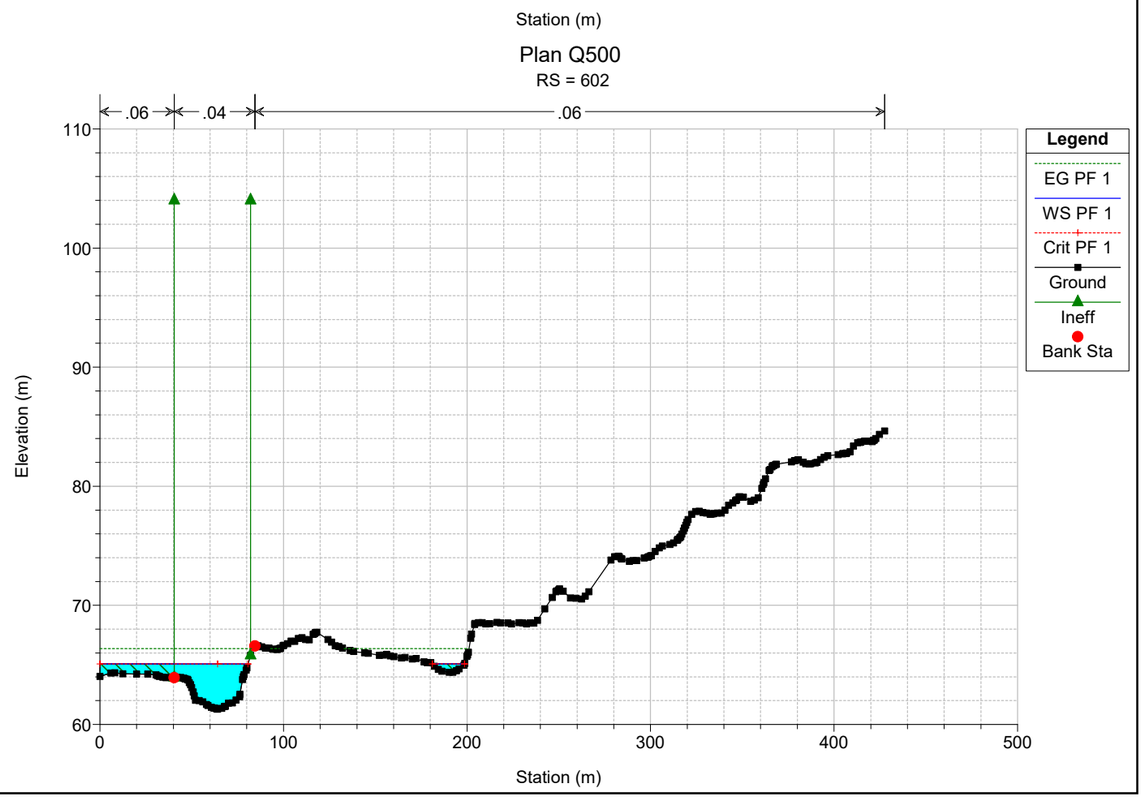

Plan Q500
RS = 736
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350

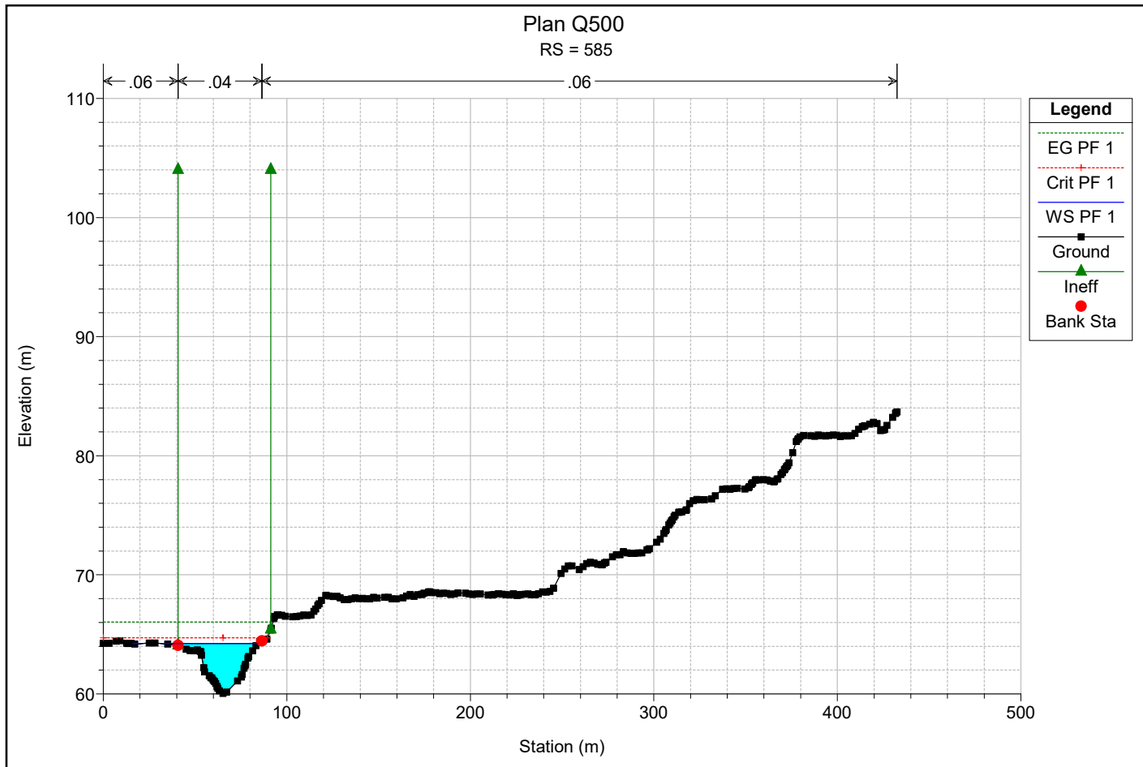

Plan Q500
RS = 704
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300
350

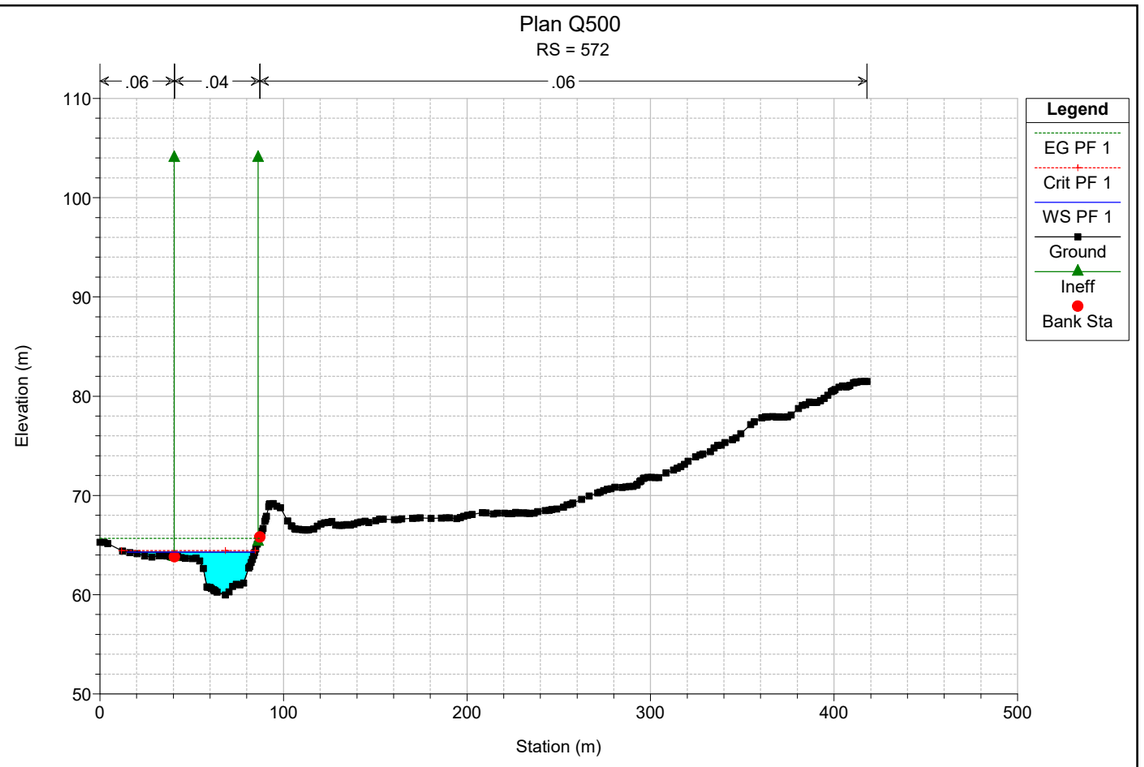

Plan Q500
RS = 673
.06
.04
.06
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
78
76
74
72
70
68
66
64
62
60
0
50
100
150
200
250
300

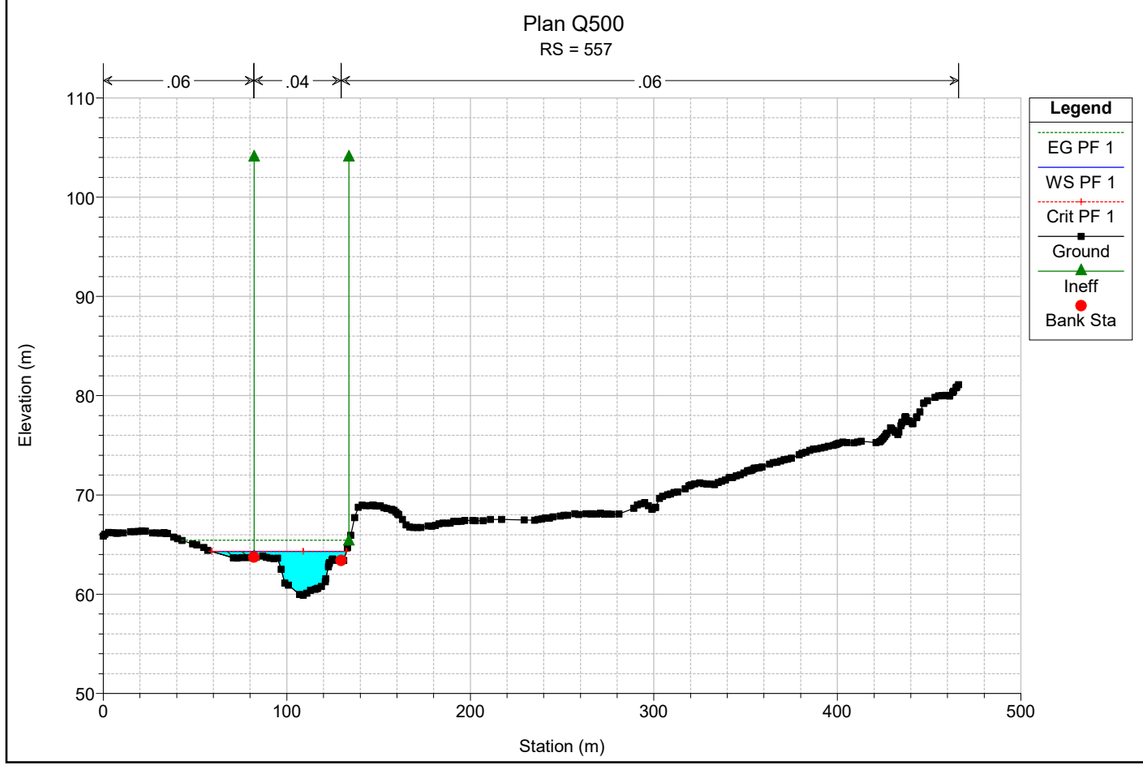

Plan Q500
RS = 644
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
50
100
150
200
250
300

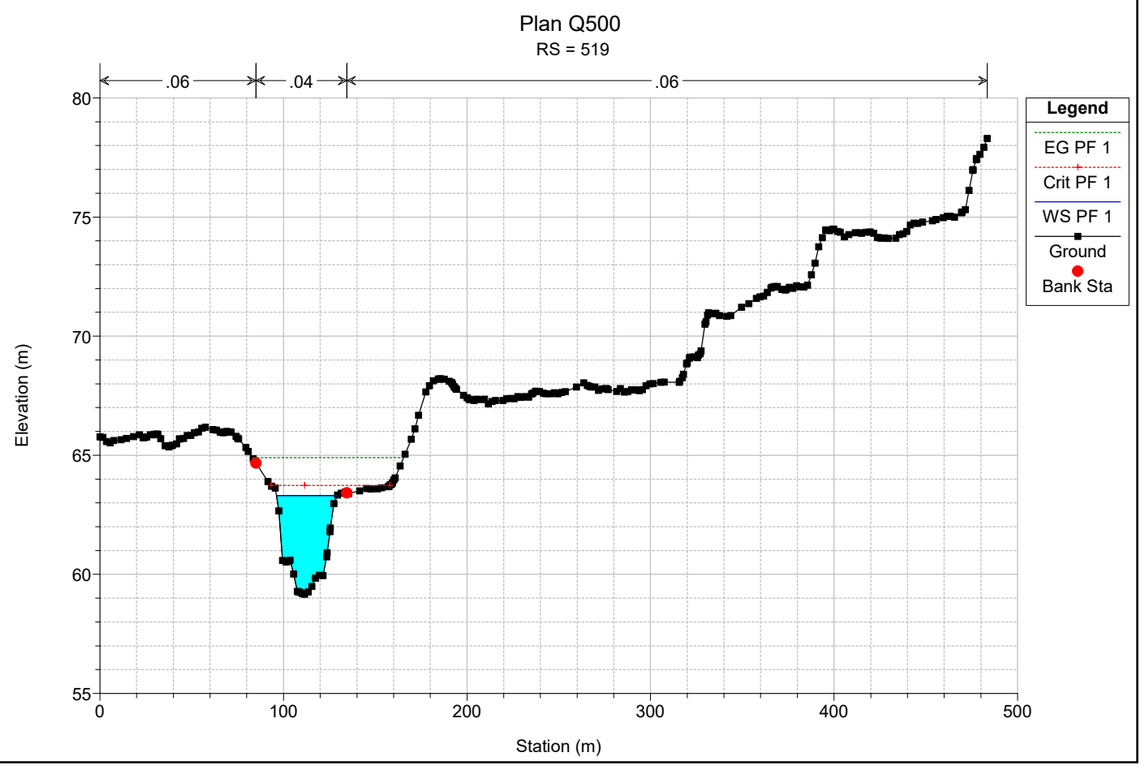

Plan Q500
RS = 618
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400

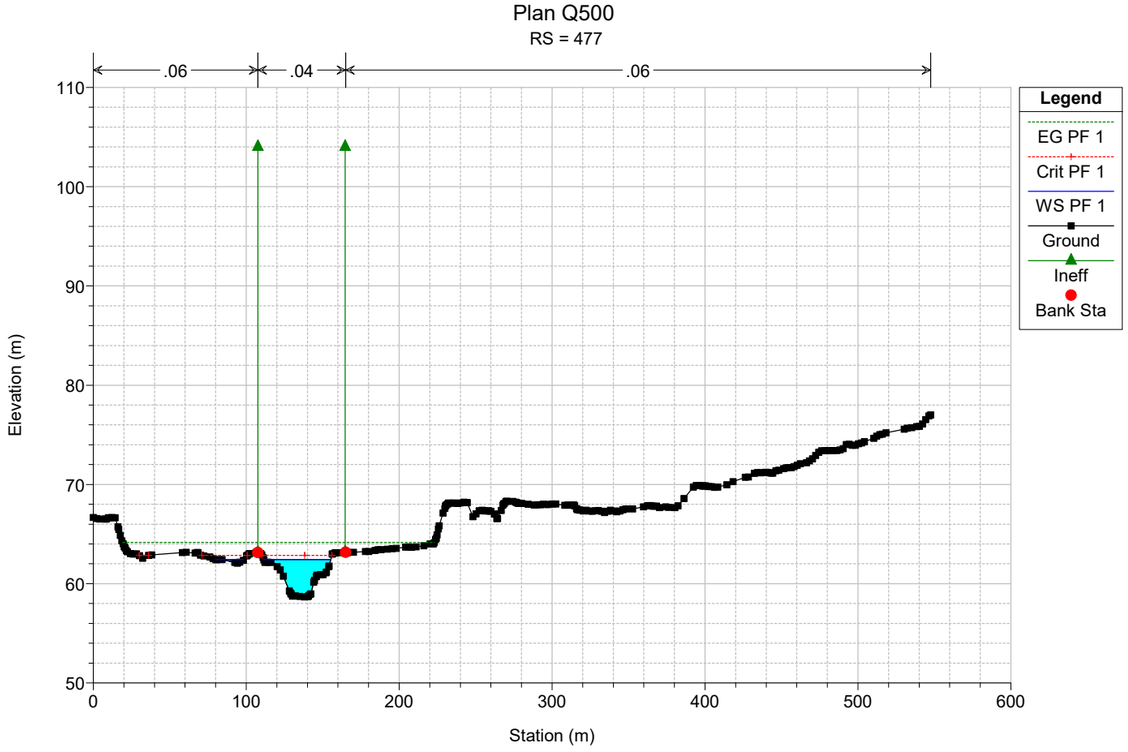

Plan Q500
RS = 602
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
0
100
200
300
400
500

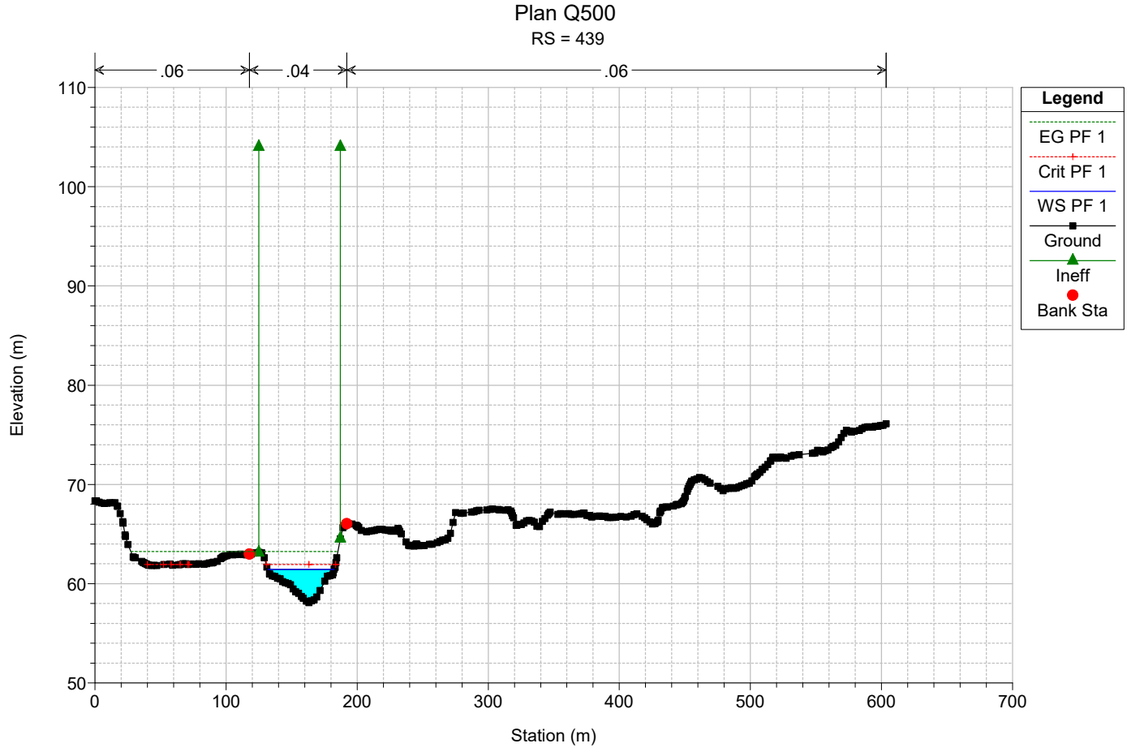

Plan Q500
RS = 585
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

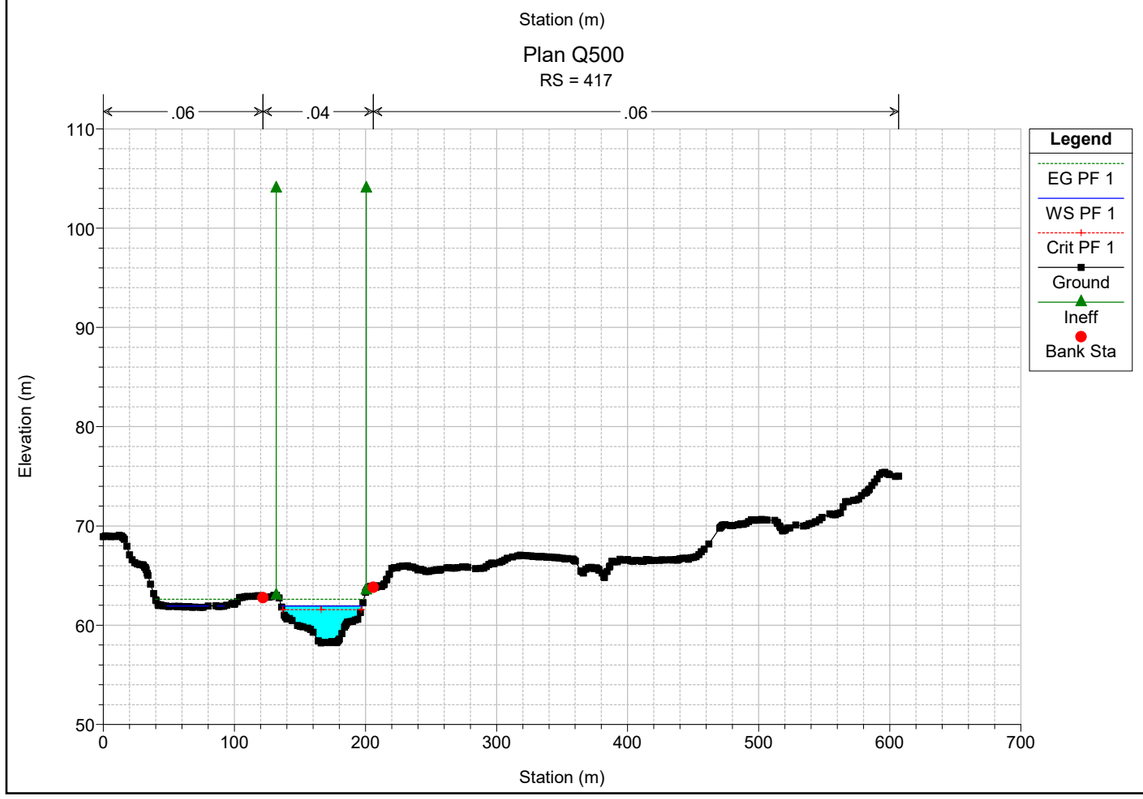

Plan Q500
RS = 572
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

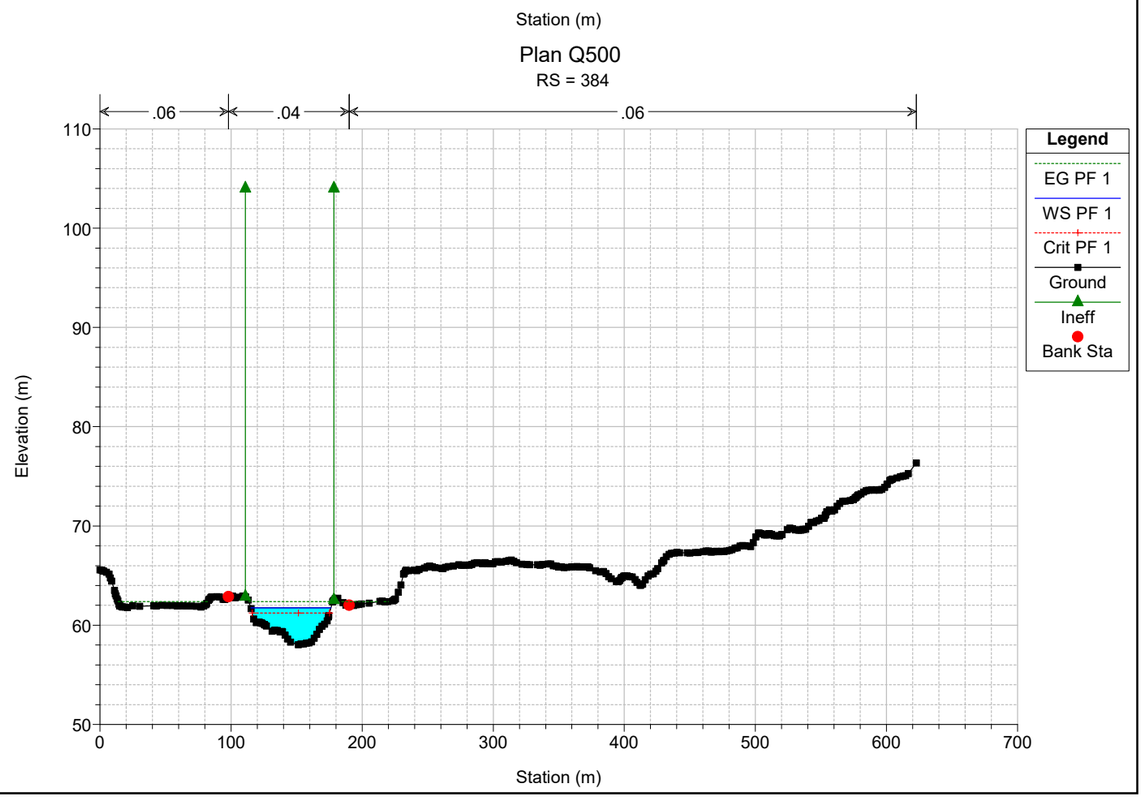

Plan Q500
RS = 557
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

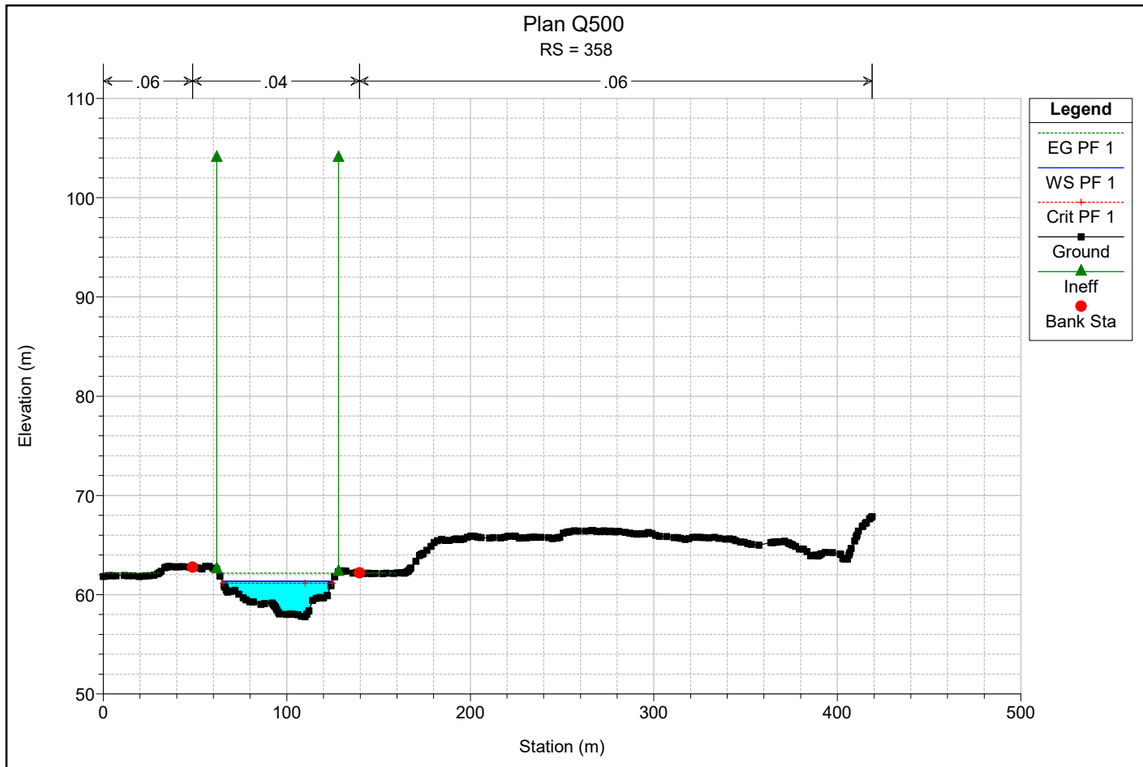

Plan Q500
RS = 519
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)

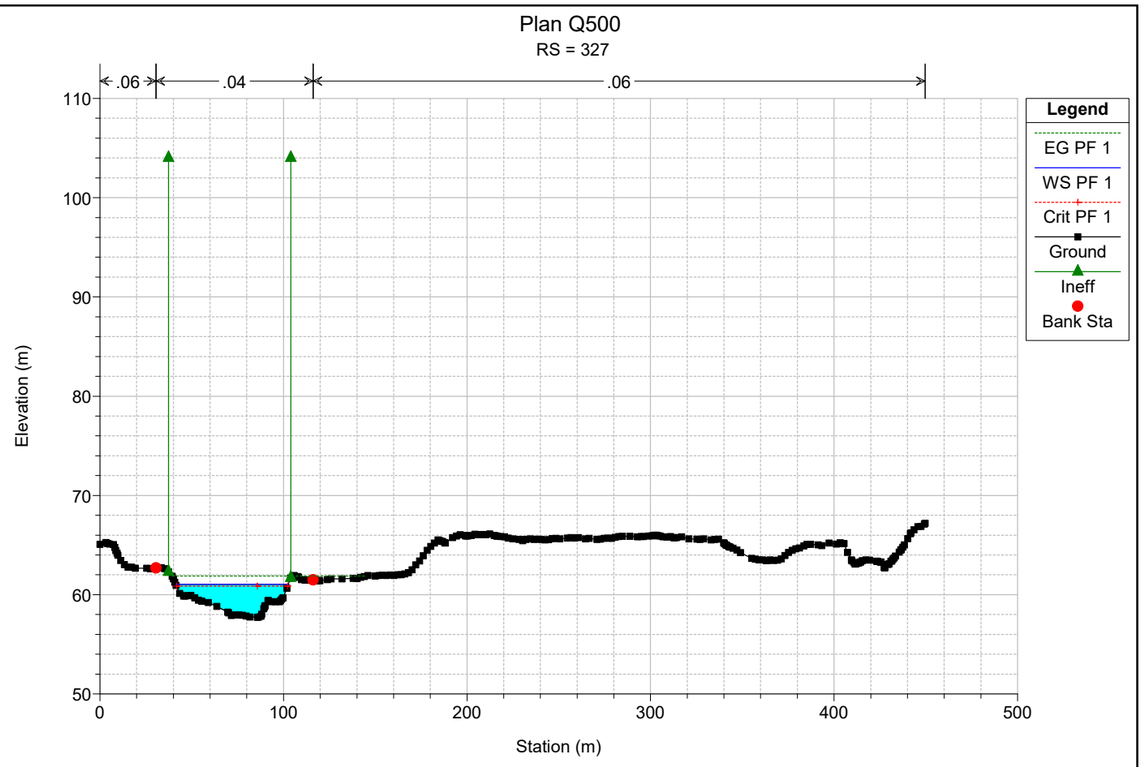

Plan Q500
RS = 477
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

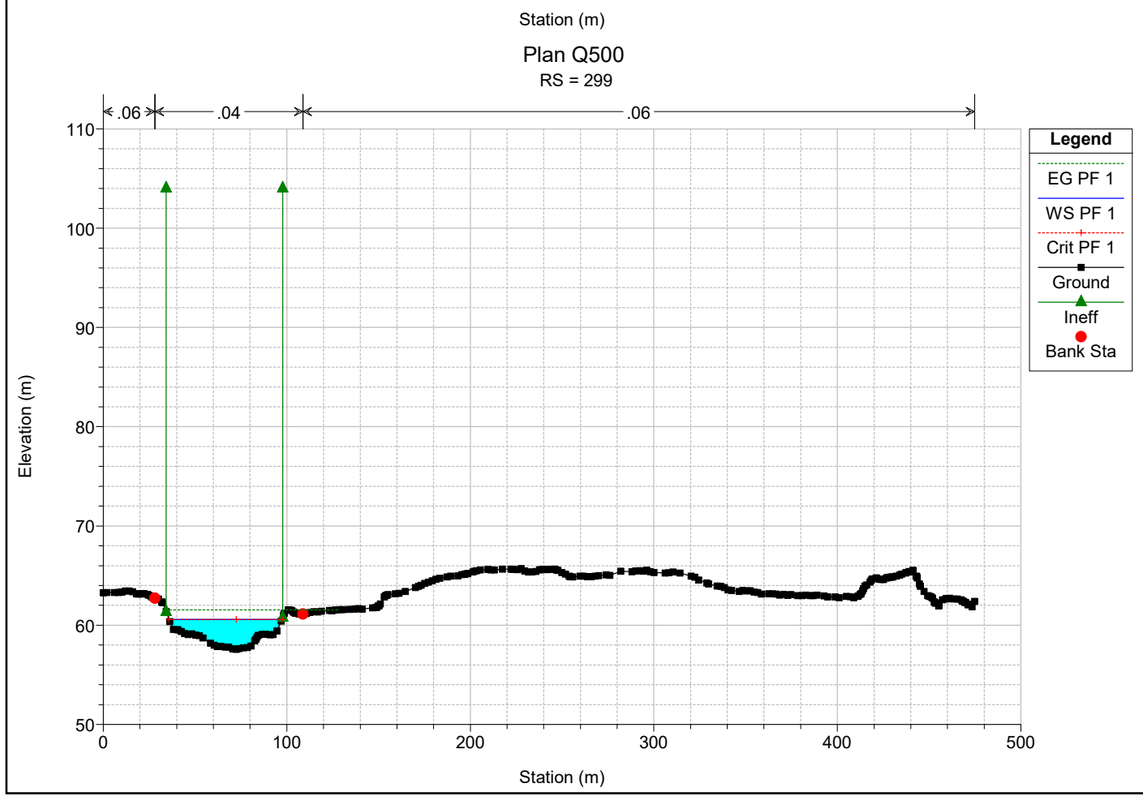

Plan Q500
RS = 439
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

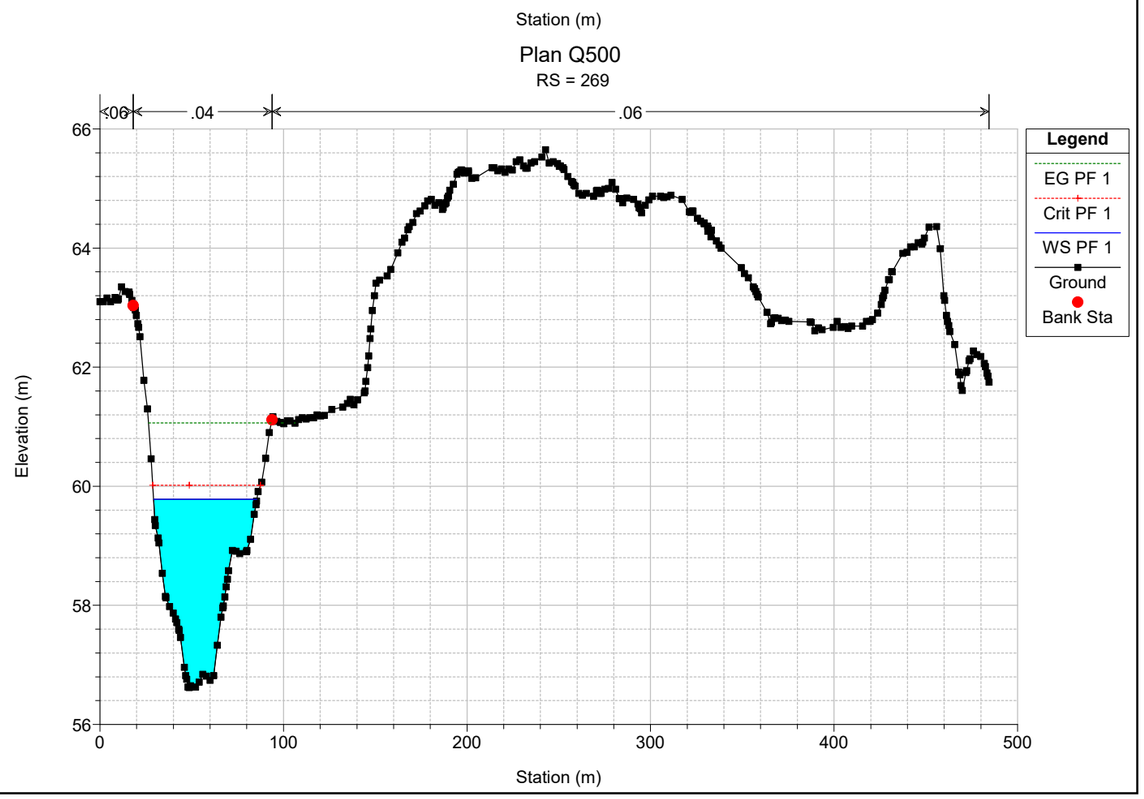

Plan Q500
RS = 417
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

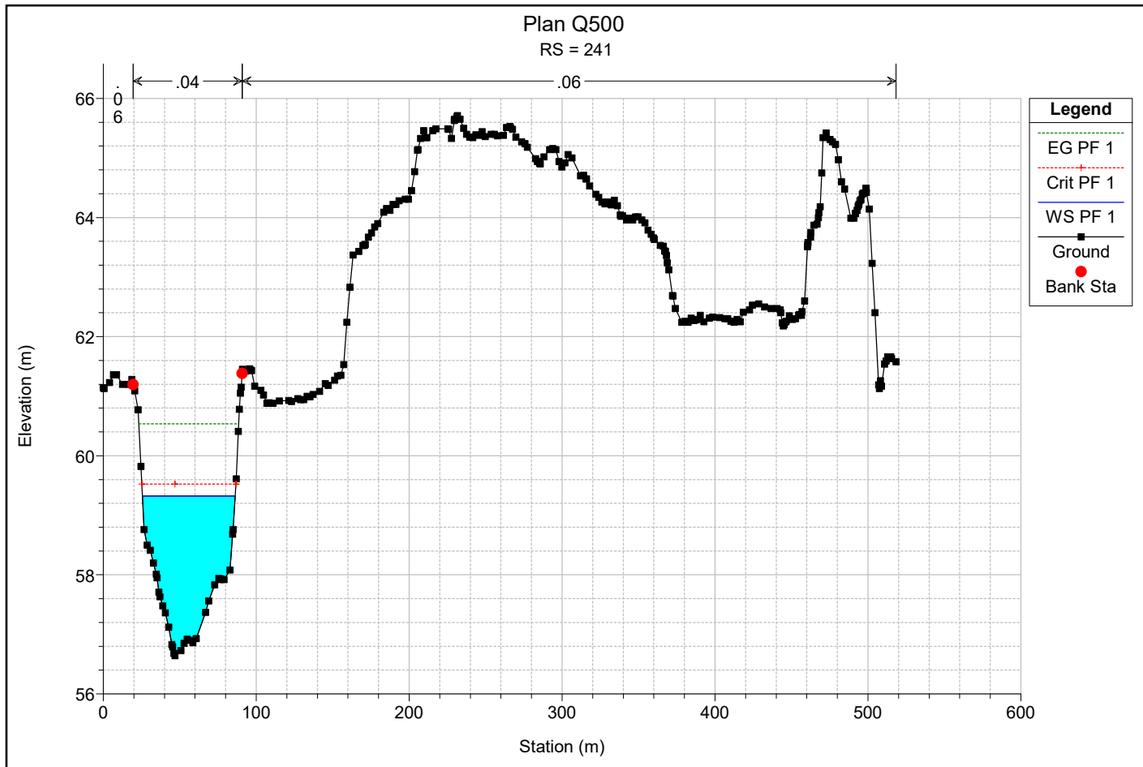

Plan Q500
RS = 384
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

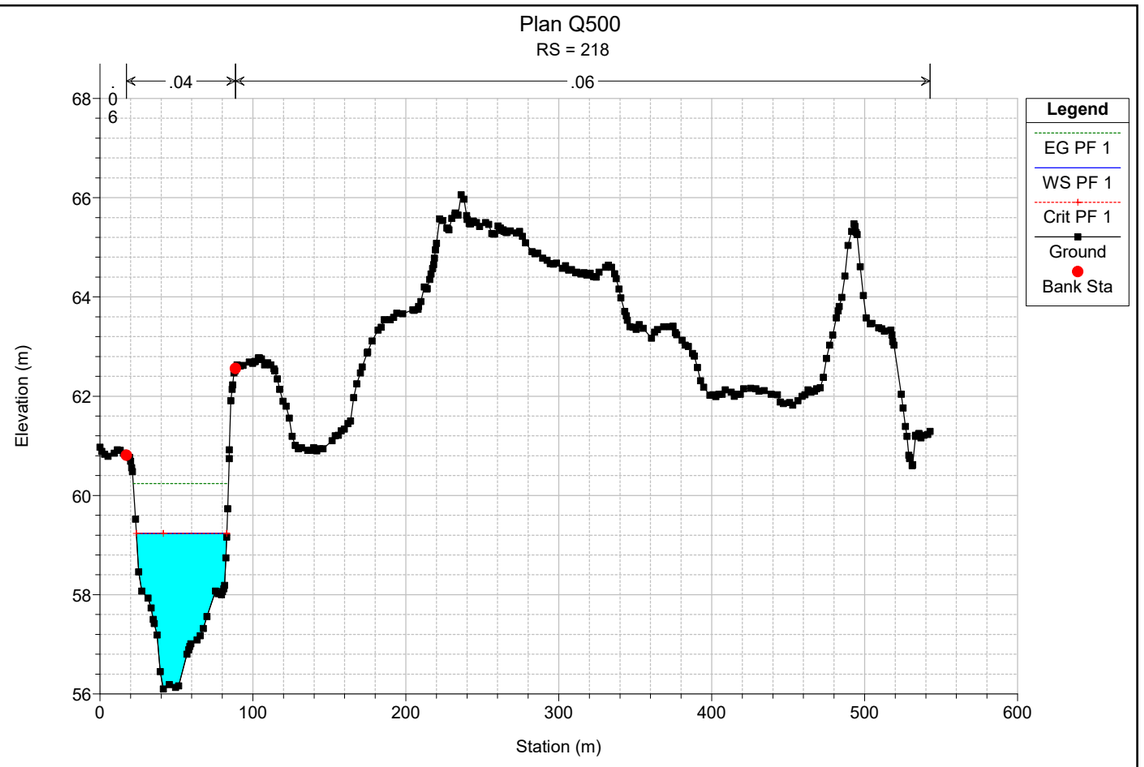

Plan Q500
RS = 358
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

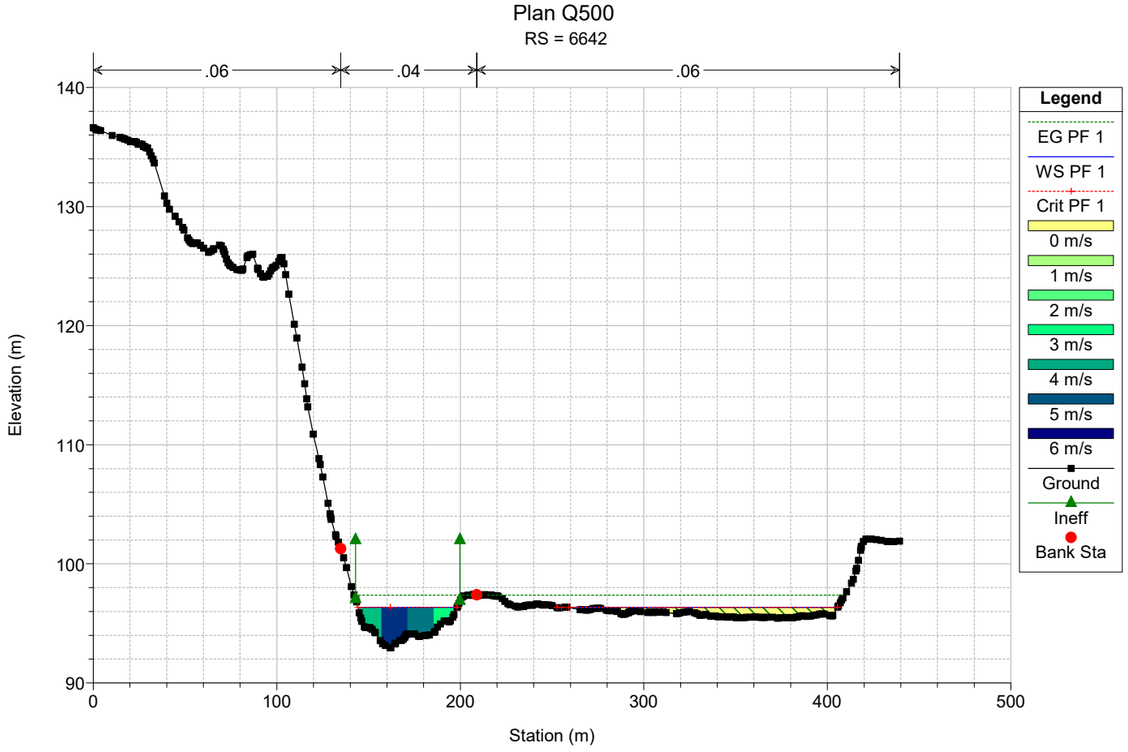

Plan Q500
RS = 327
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

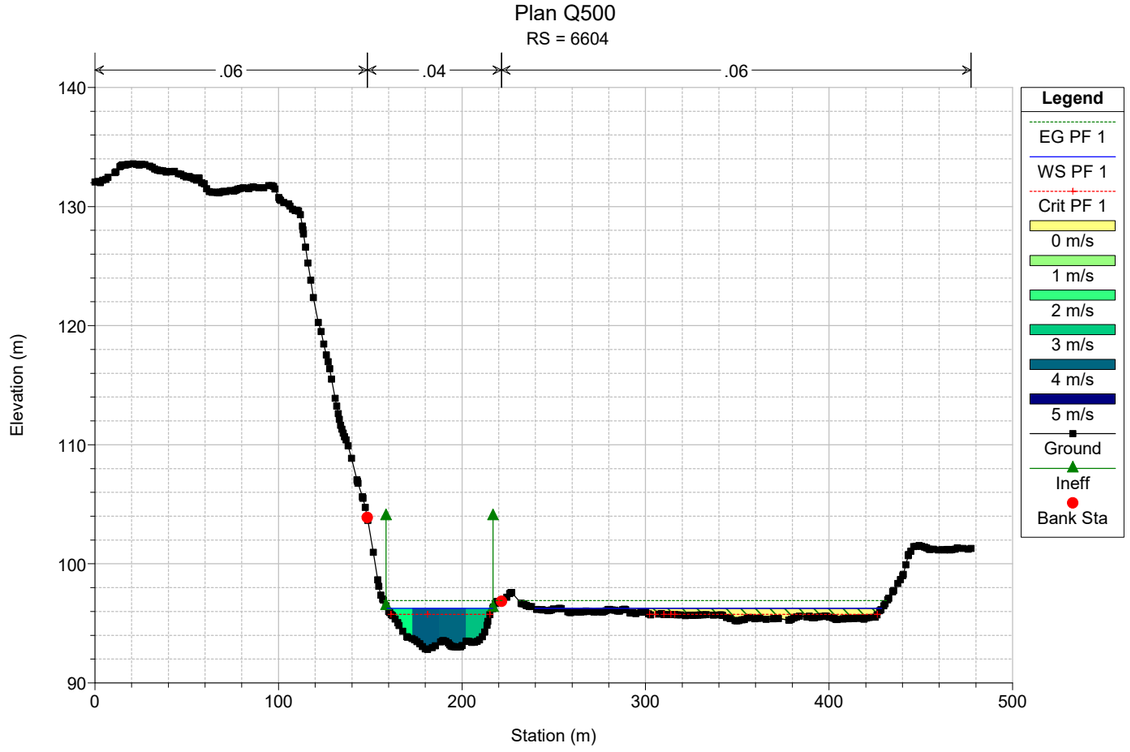

Plan Q500
RS = 299
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)
110
100
90
80
70
60
50
0
100
200
300
400
500

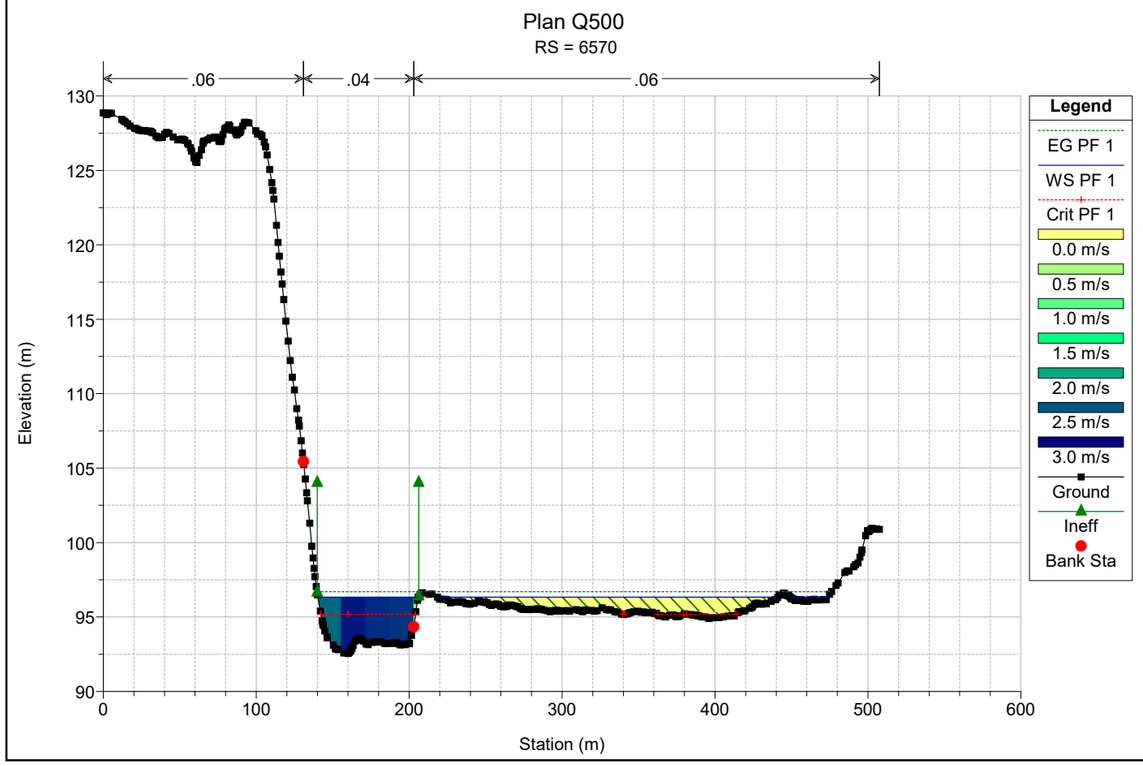

Plan Q500
RS = 269
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500

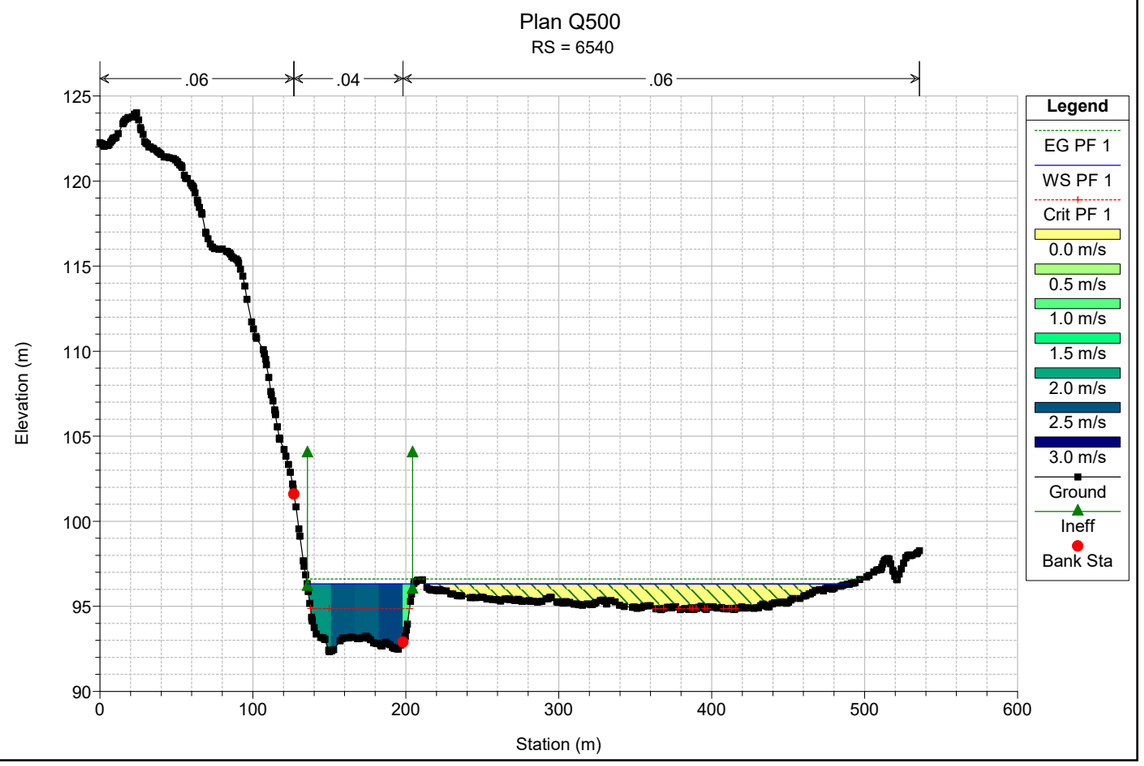

Plan Q500
RS = 241
.04
.06
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
66
64
62
60
58
56
0
100
200
300
400
500
600

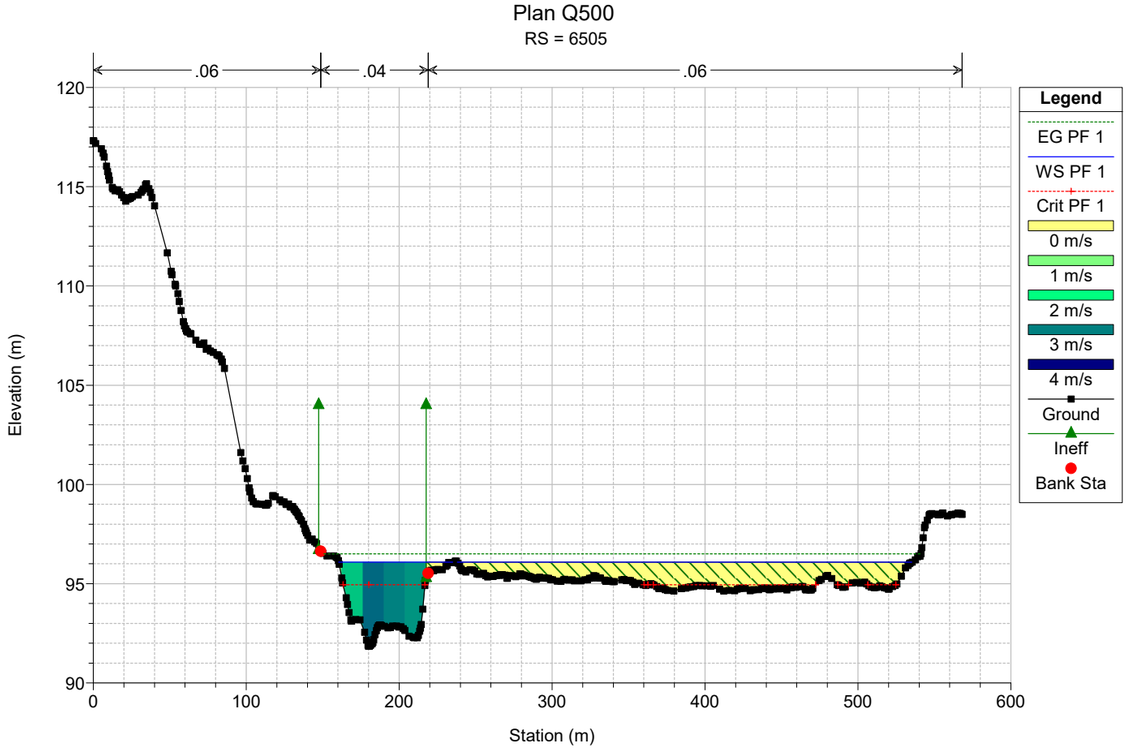

Plan Q500
RS = 218
.04
.06
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
Ground
Bank Sta
Elevation (m)
Station (m)
68
66
64
62
60
58
56
0
100
200
300
400
500
600

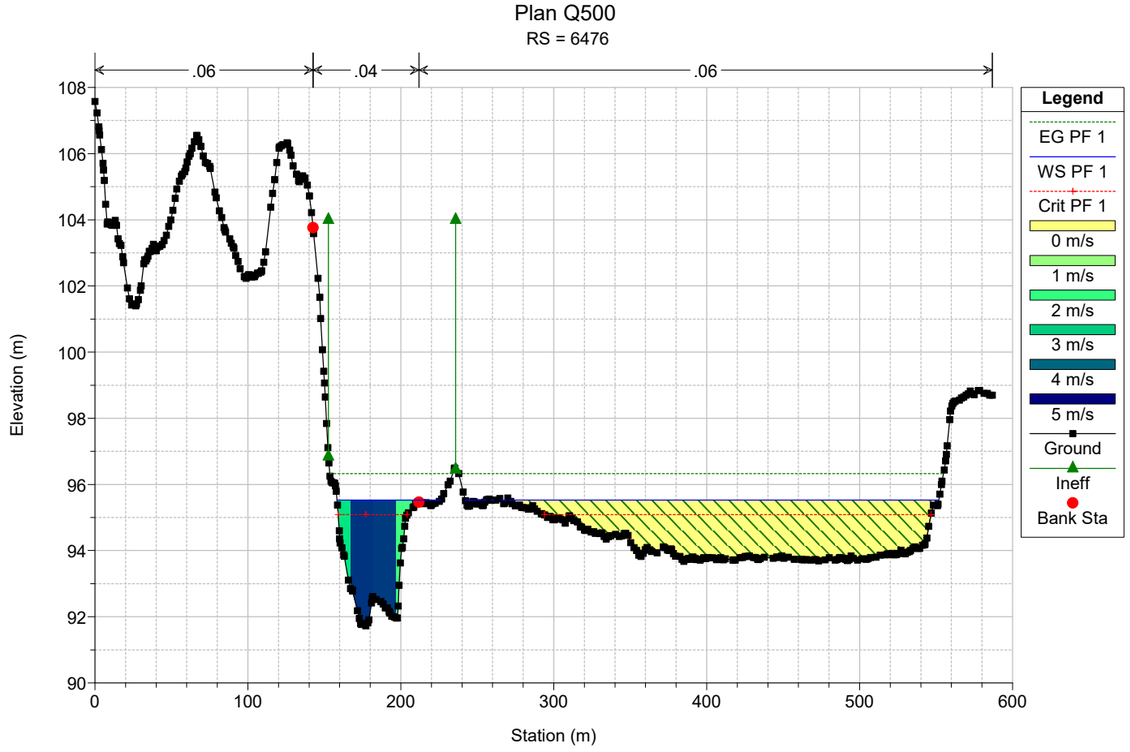

Plan Q500
RS = 6642
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

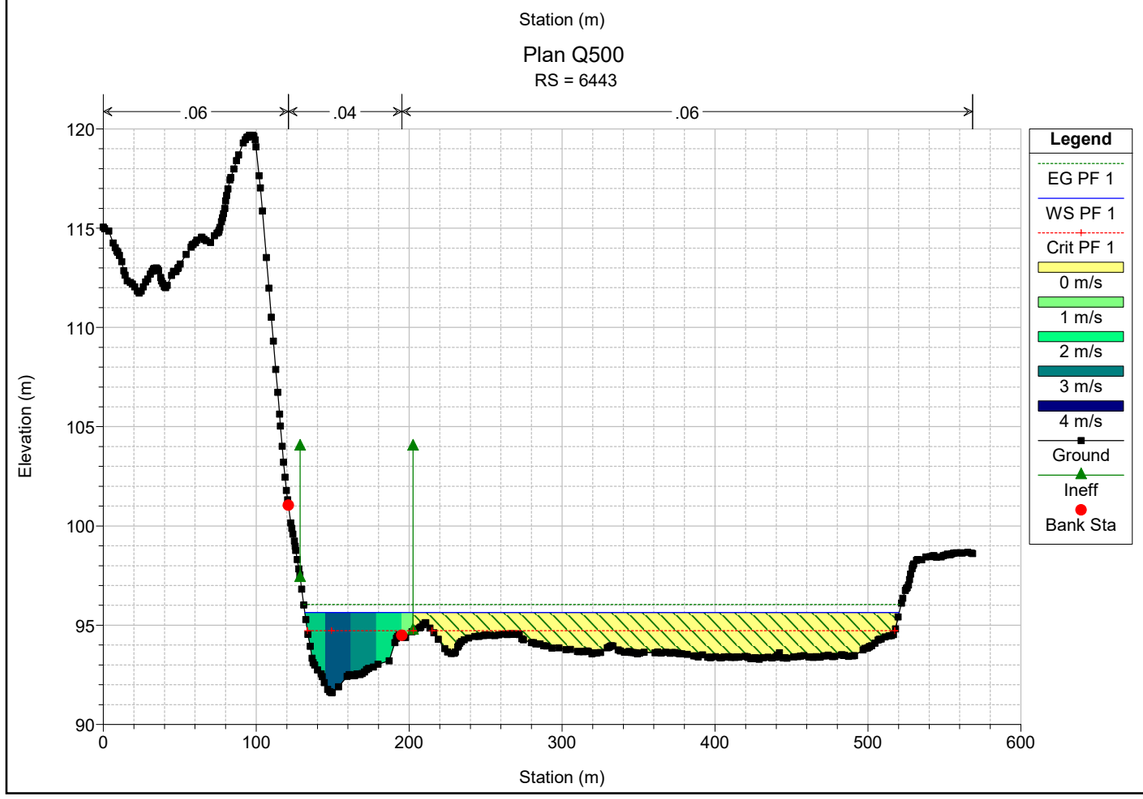

Plan Q500
RS = 6604
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

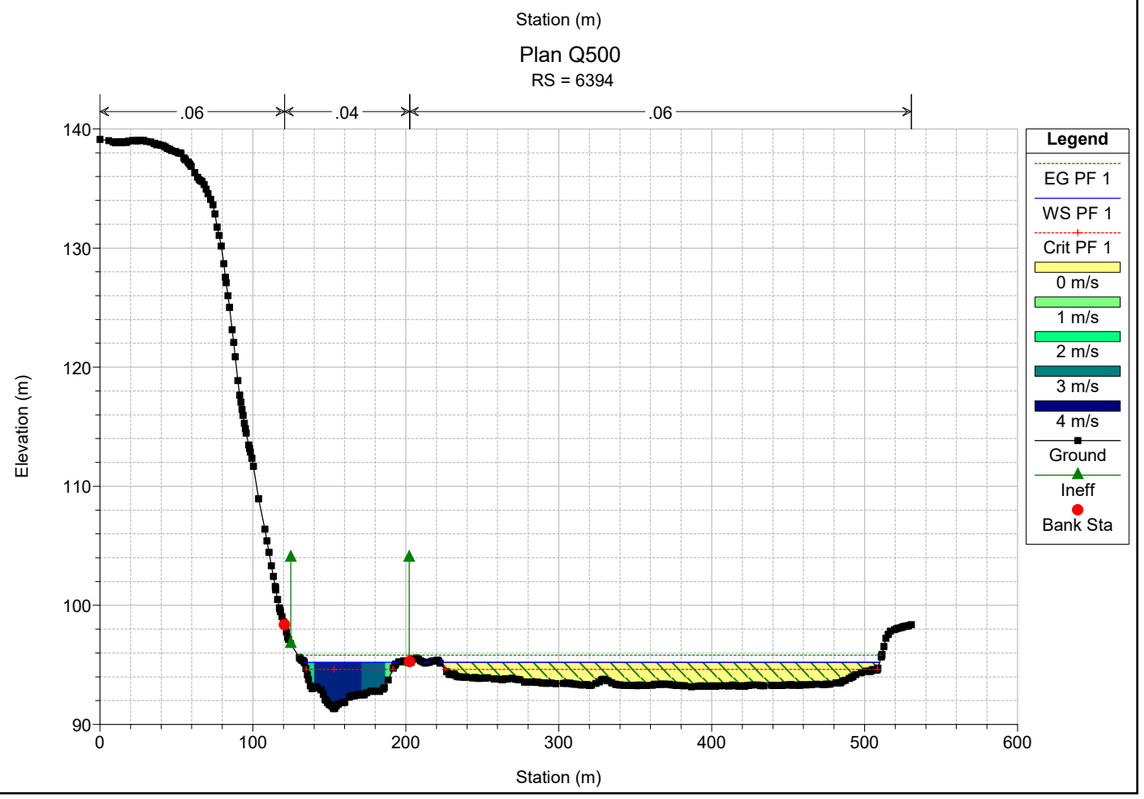

Plan Q500
RS = 6570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

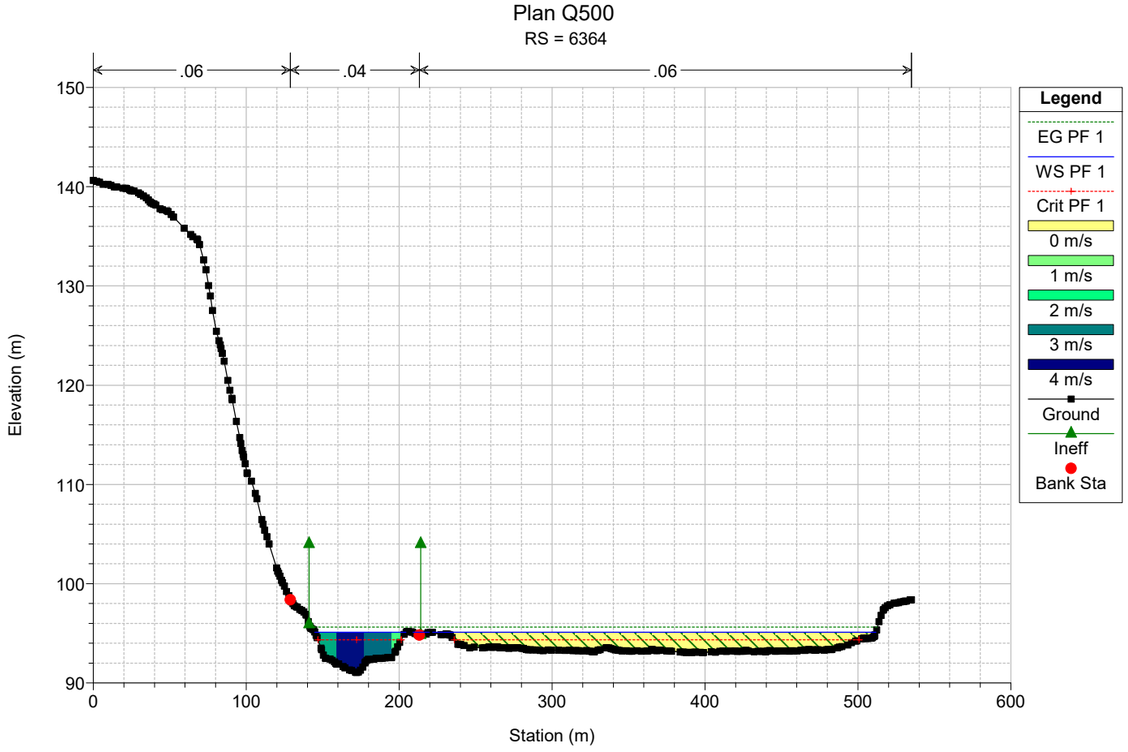

Plan Q500
RS = 6540
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

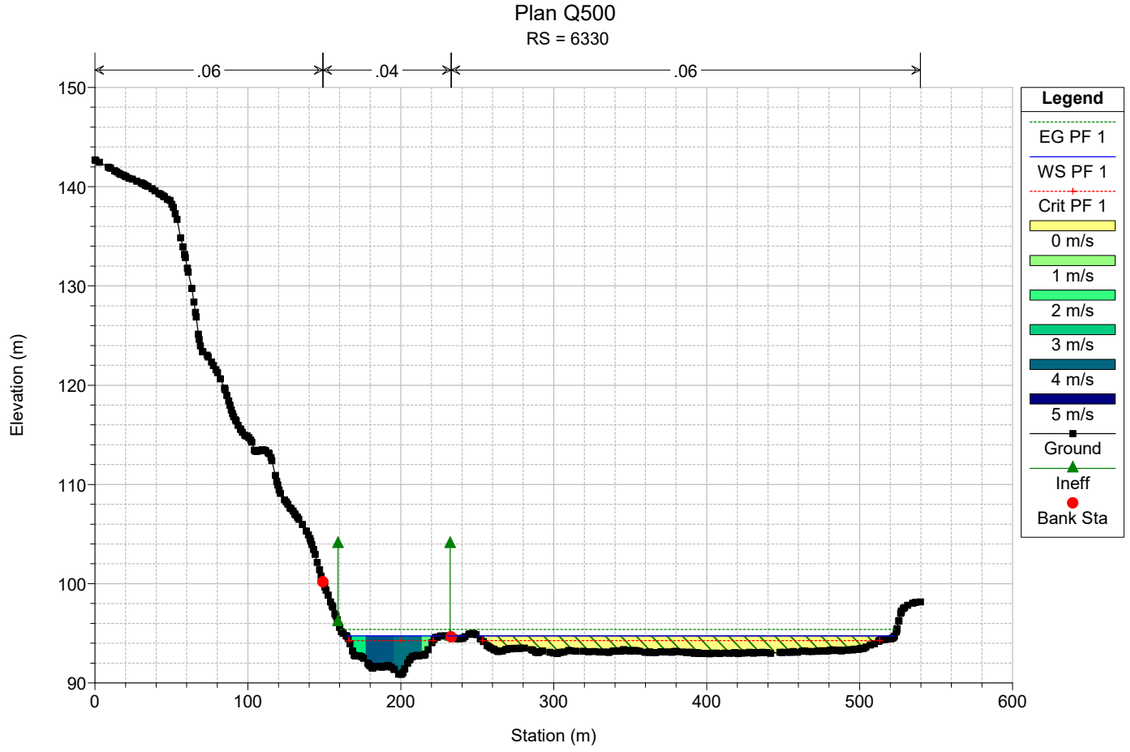

Plan Q500
RS = 6505
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

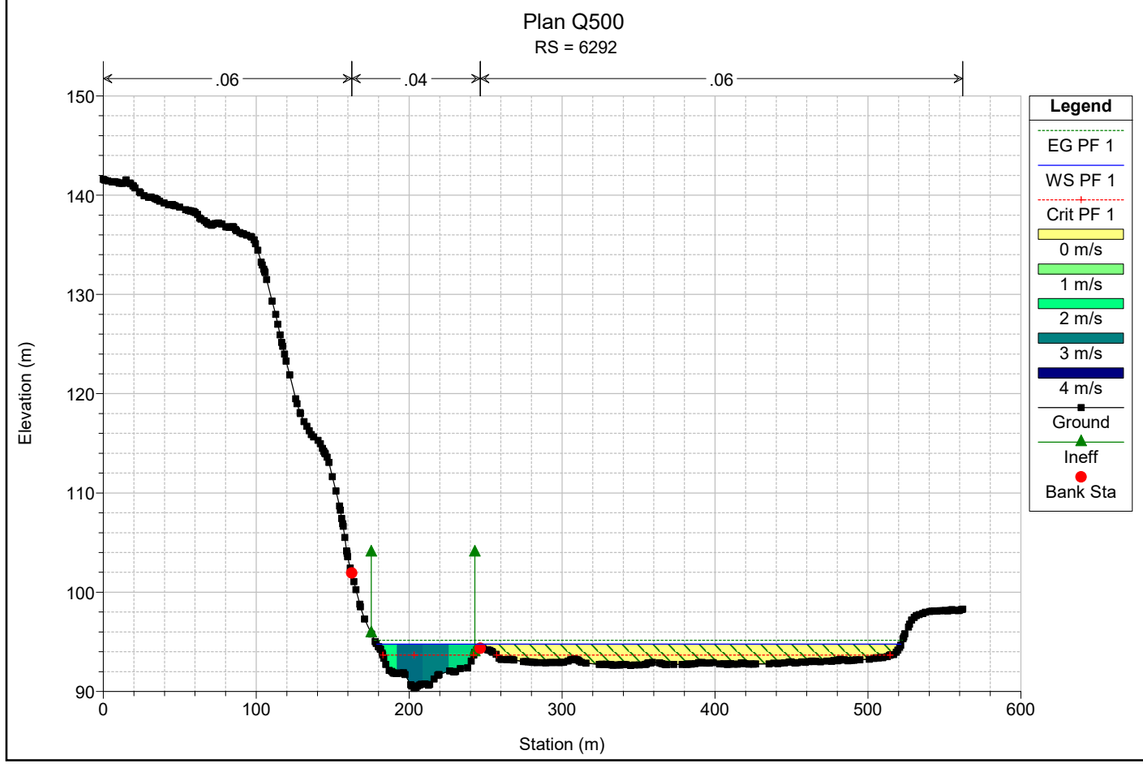

Plan Q500
RS = 6476
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

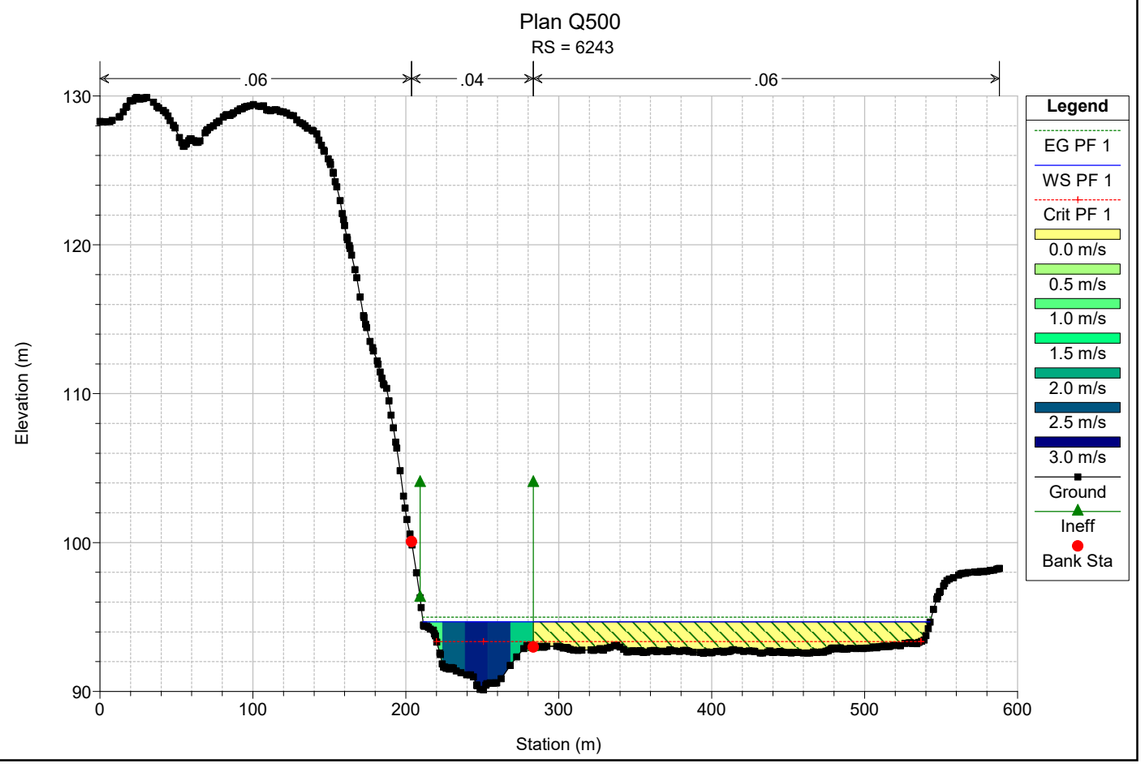

Plan Q500
RS = 6443
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

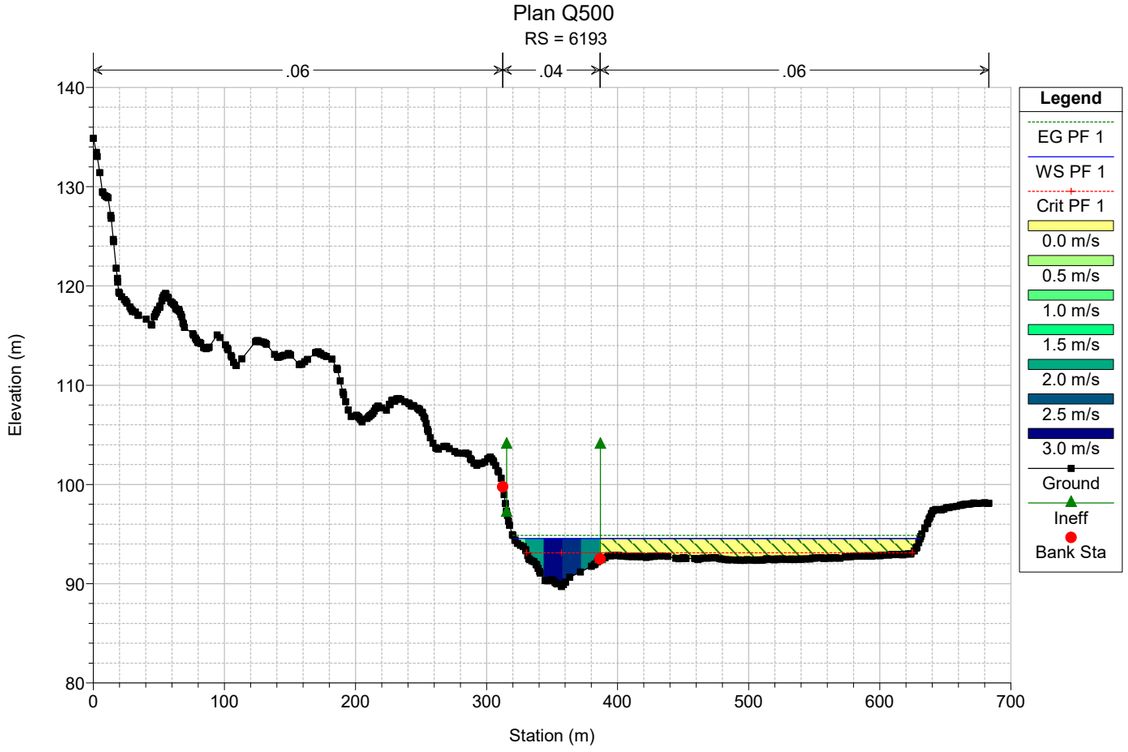

Plan Q500
RS = 6394
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

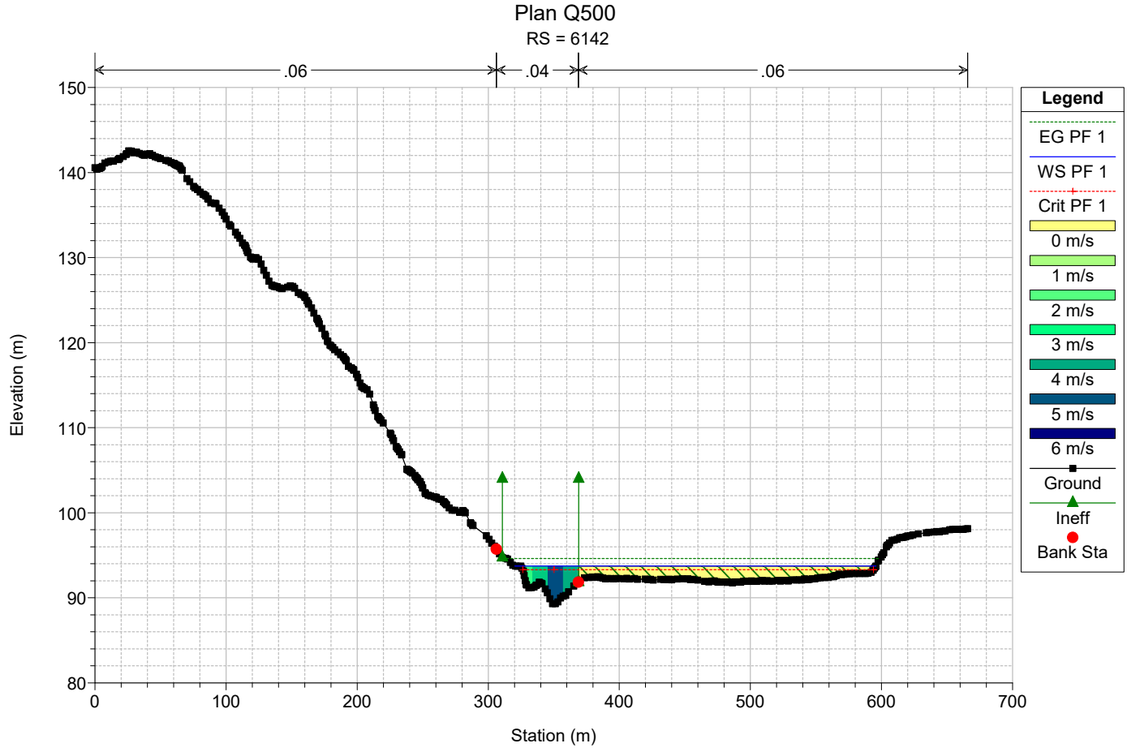

Plan Q500
RS = 6364
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

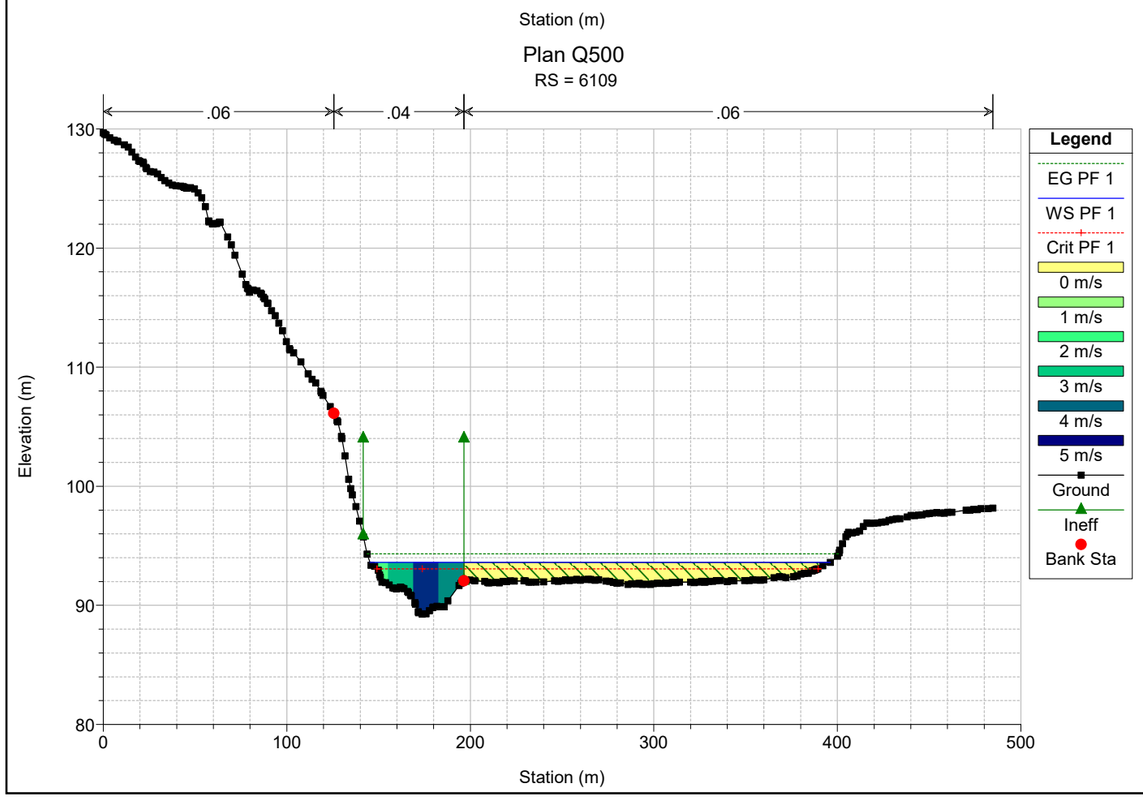

Plan Q500
RS = 6330
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

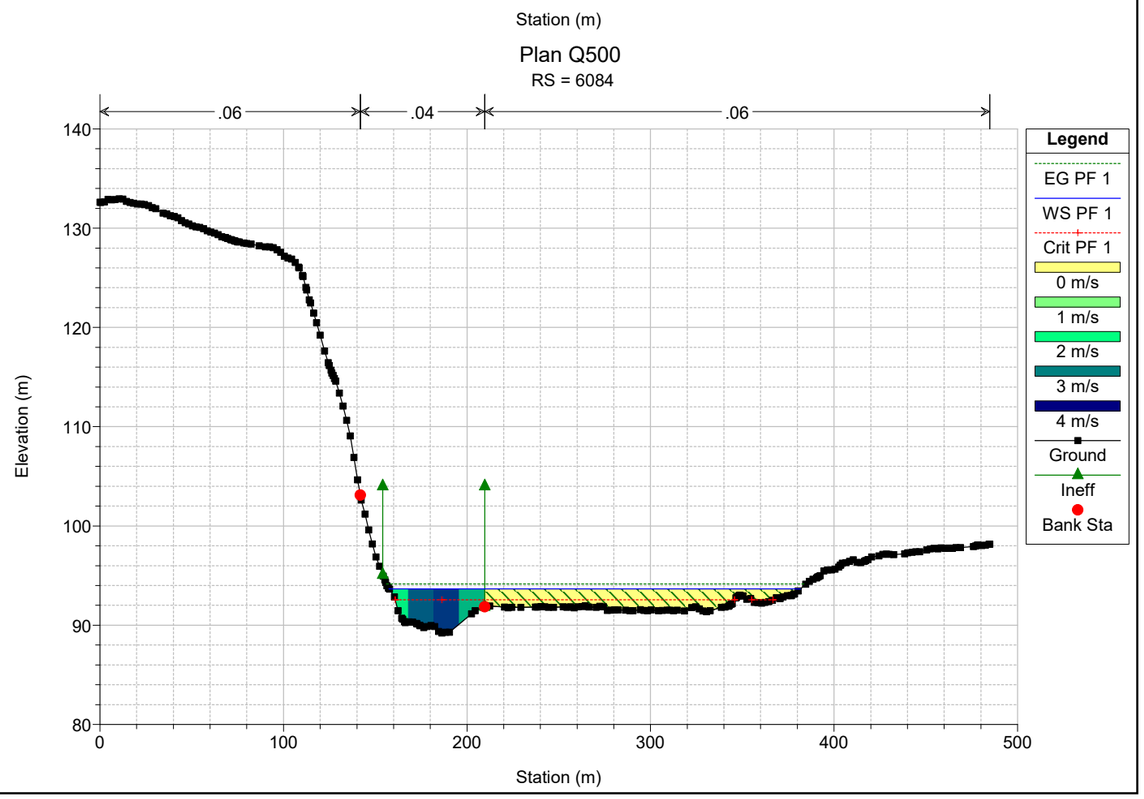

Plan Q500
RS = 6292
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

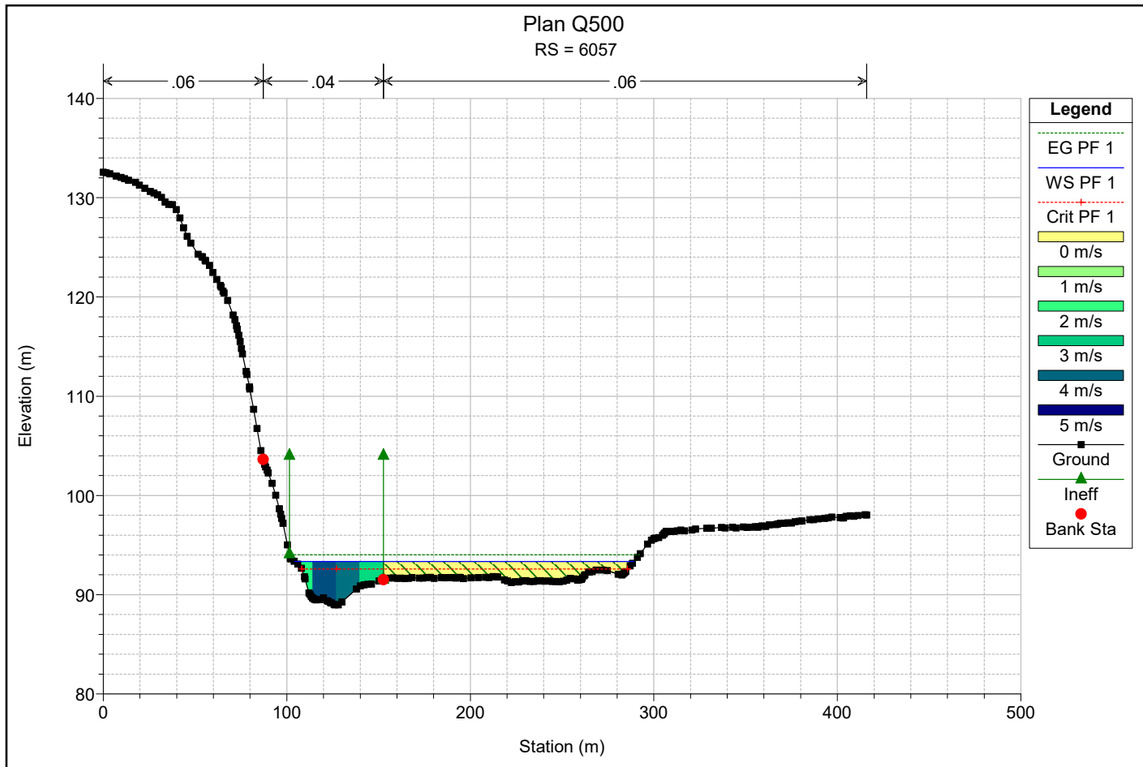

Plan Q500
RS = 6243
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

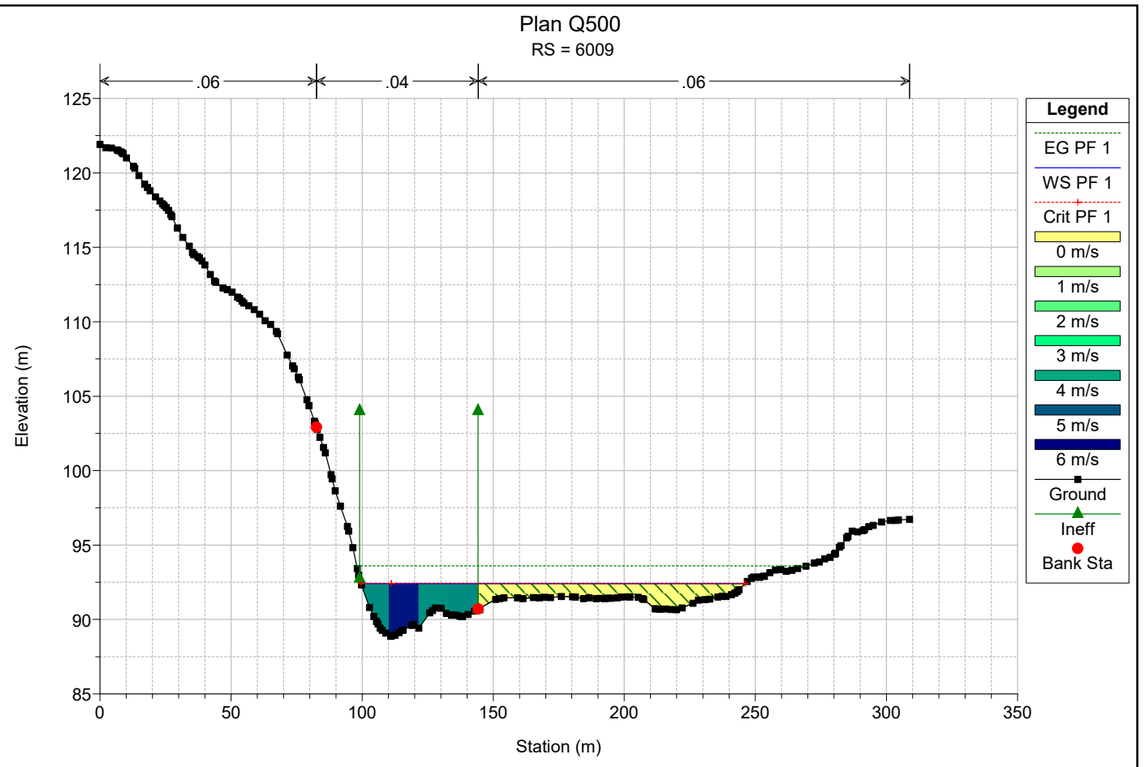

Plan Q500
RS = 6193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
Ground
Ineff
Bank Sta

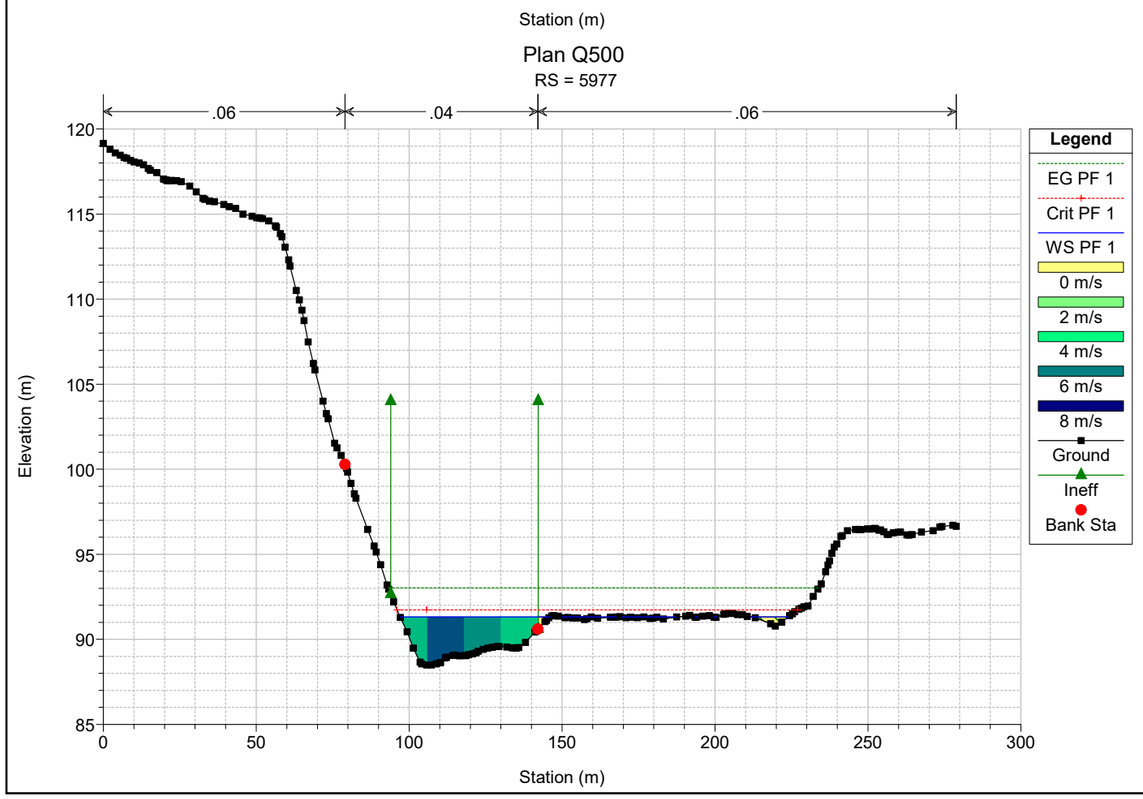

Plan Q500
RS = 6142
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

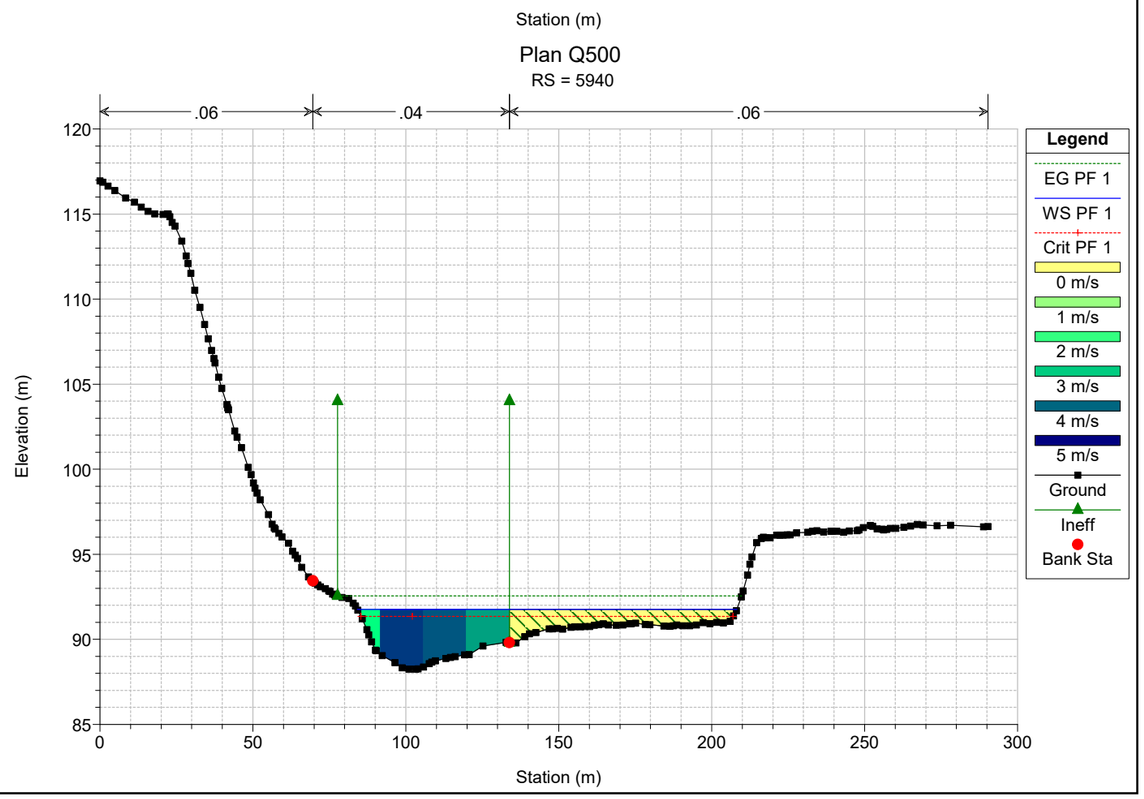

Plan Q500
RS = 6109
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

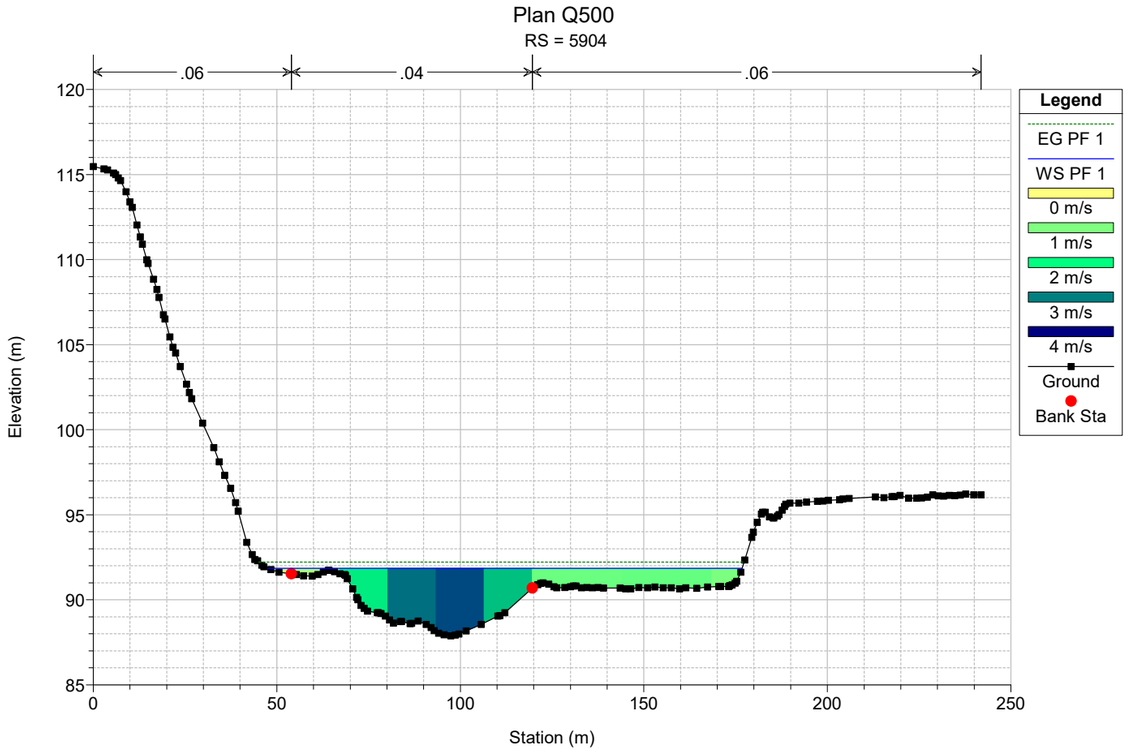

Plan Q500
RS = 6084
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

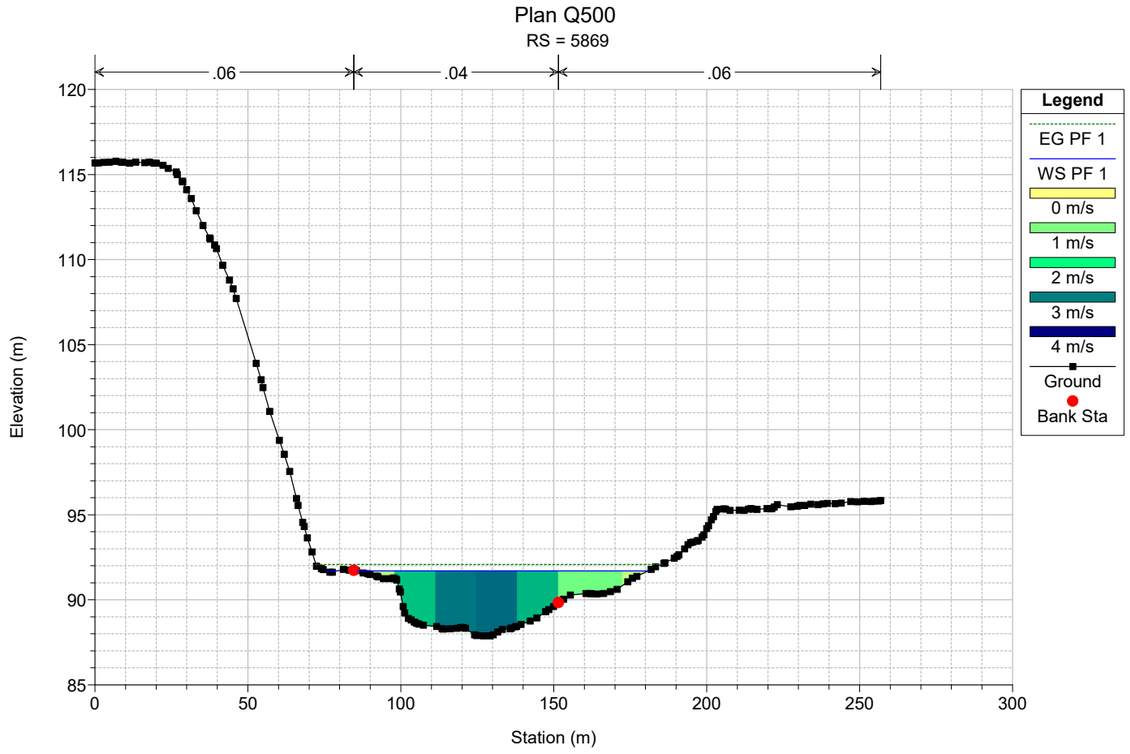

Plan Q500
RS = 6057
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

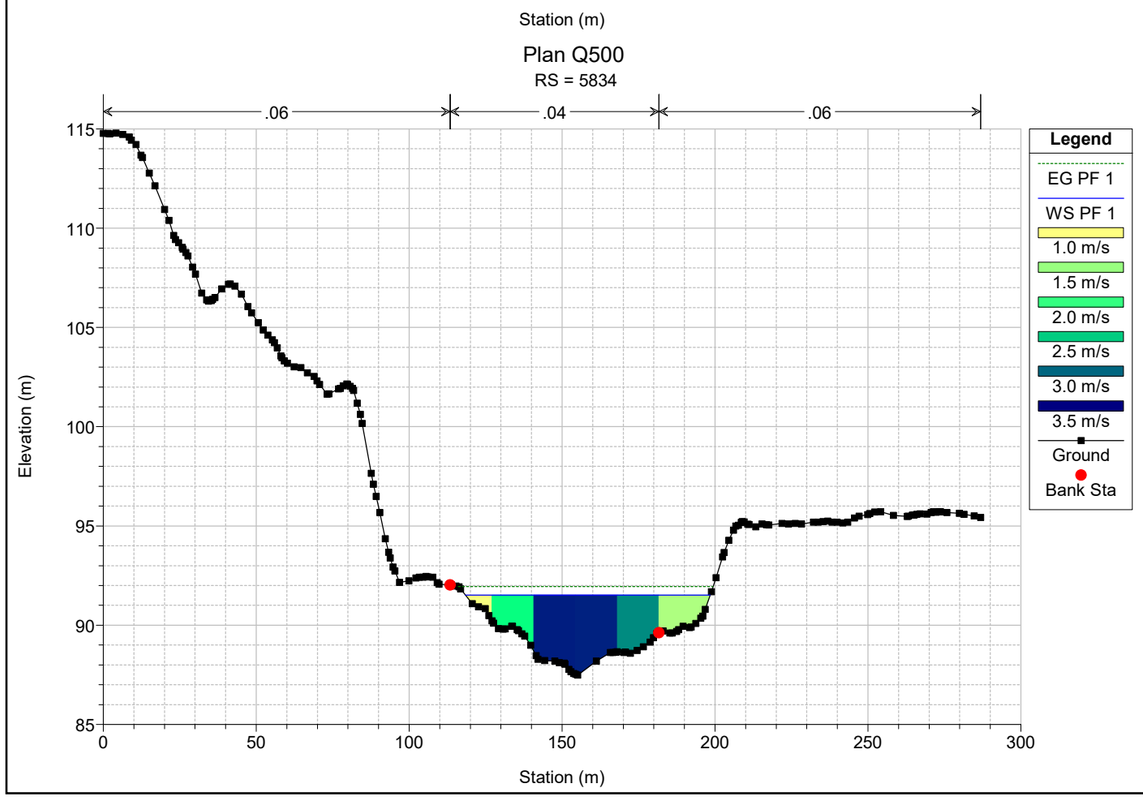

Plan Q500
RS = 6009
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

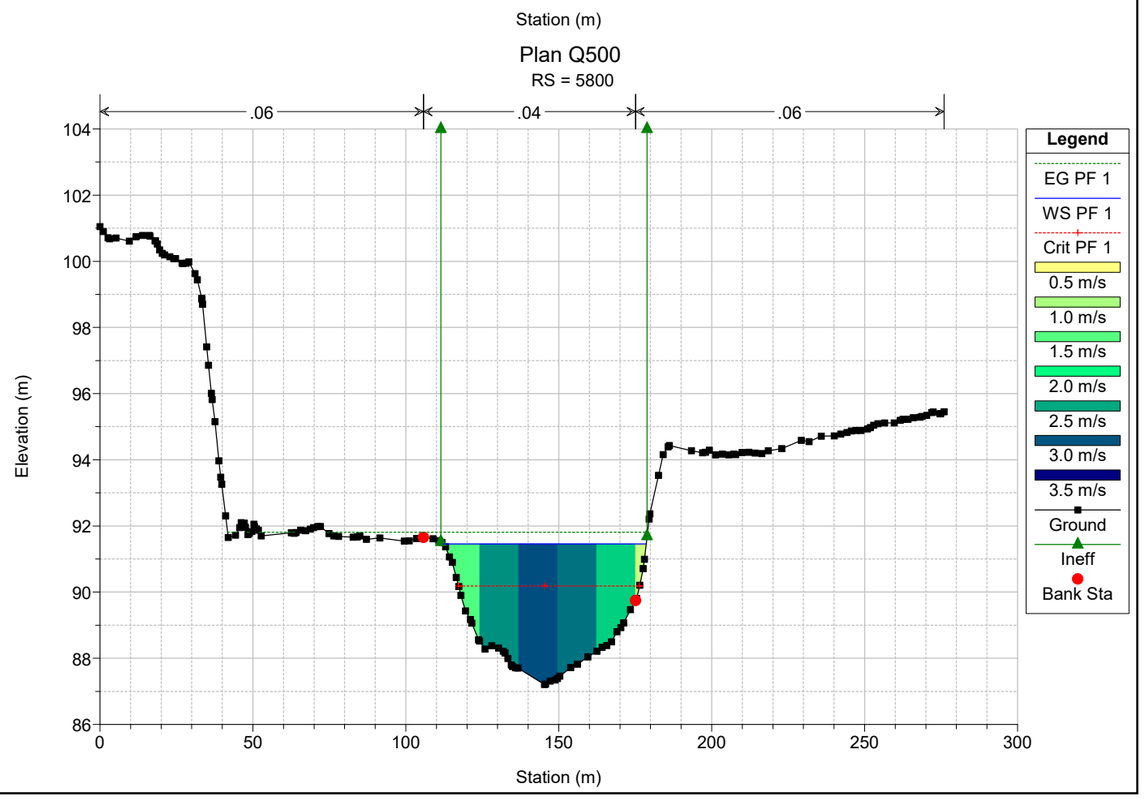

Plan Q500
RS = 5977
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

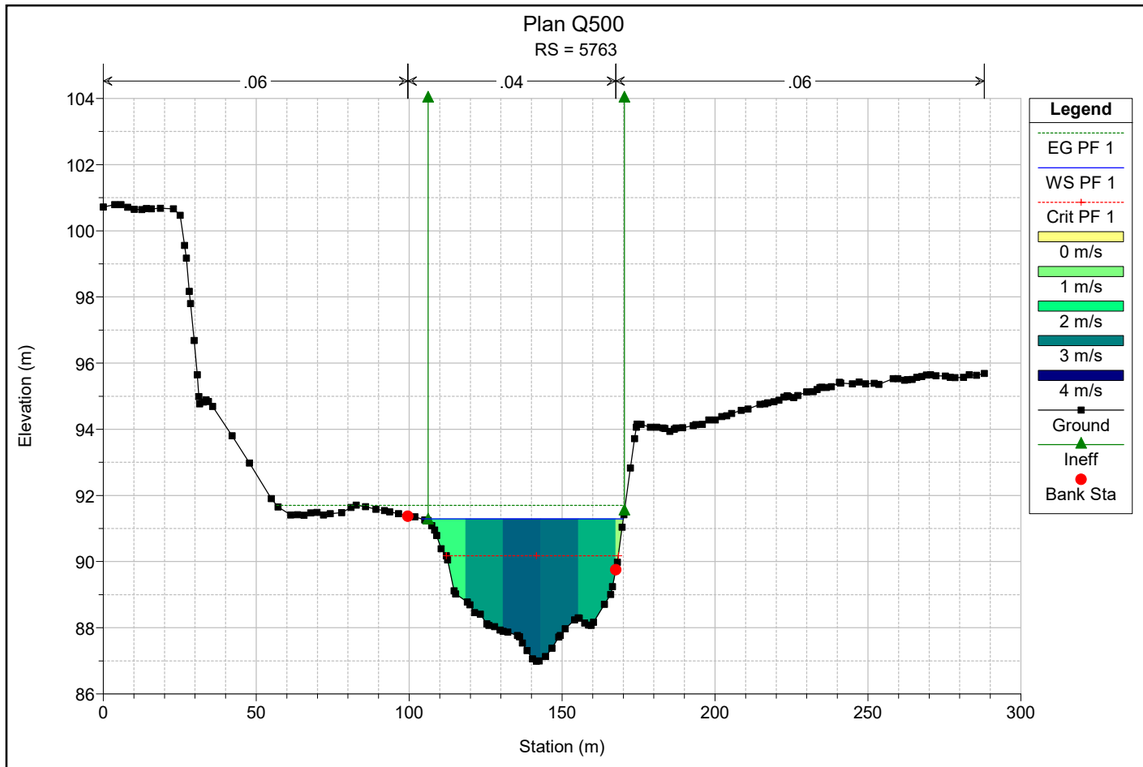

Plan Q500
RS = 5940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

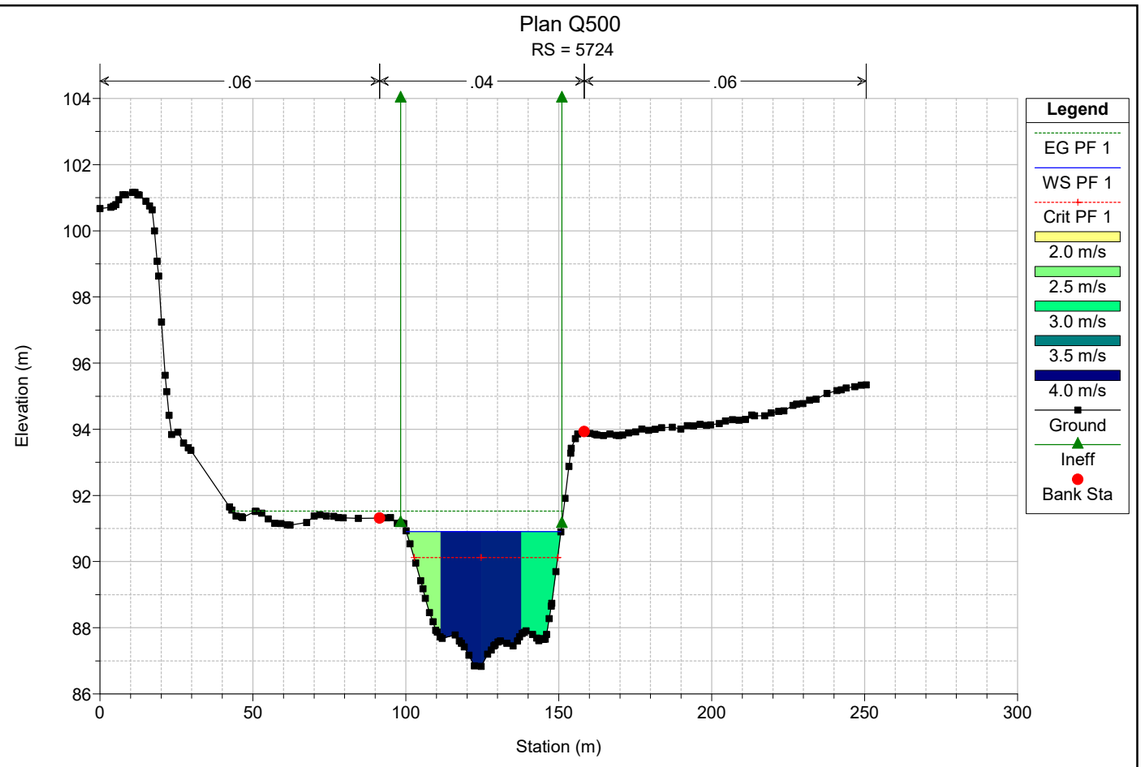

Plan Q500
RS = 5904
.06
.04
.06
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

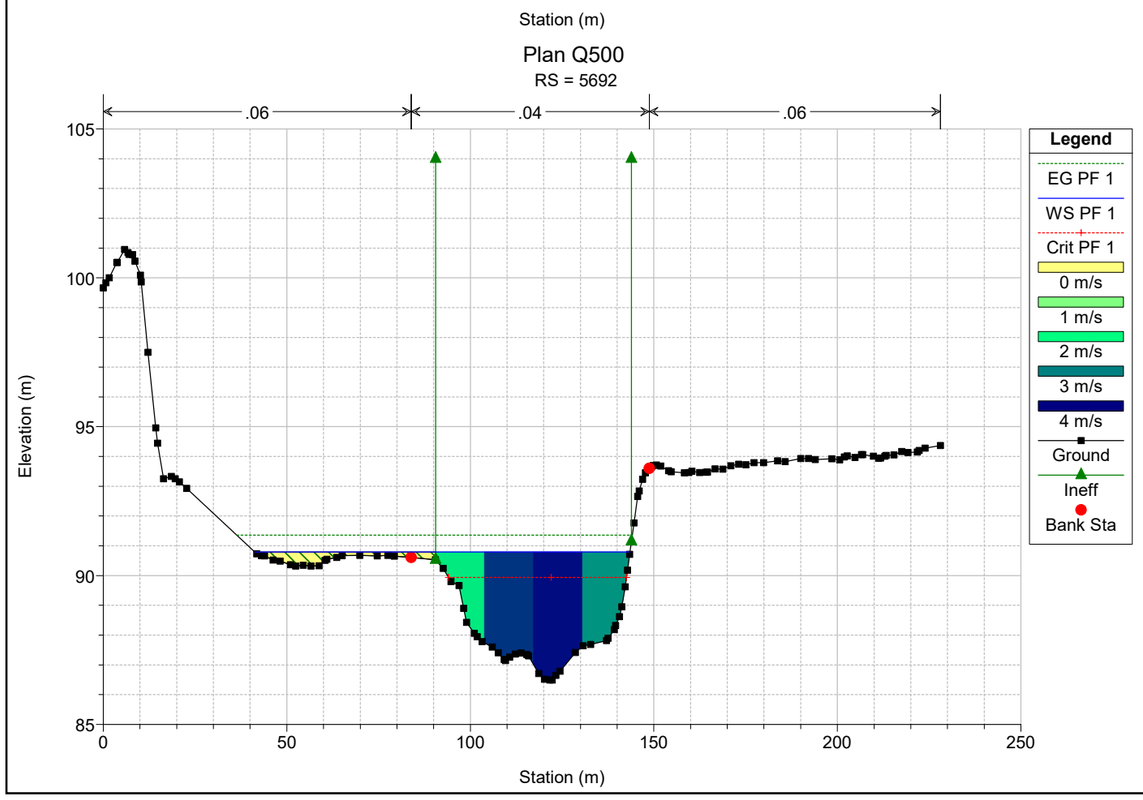

Plan Q500
RS = 5869
.06
.04
.06
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

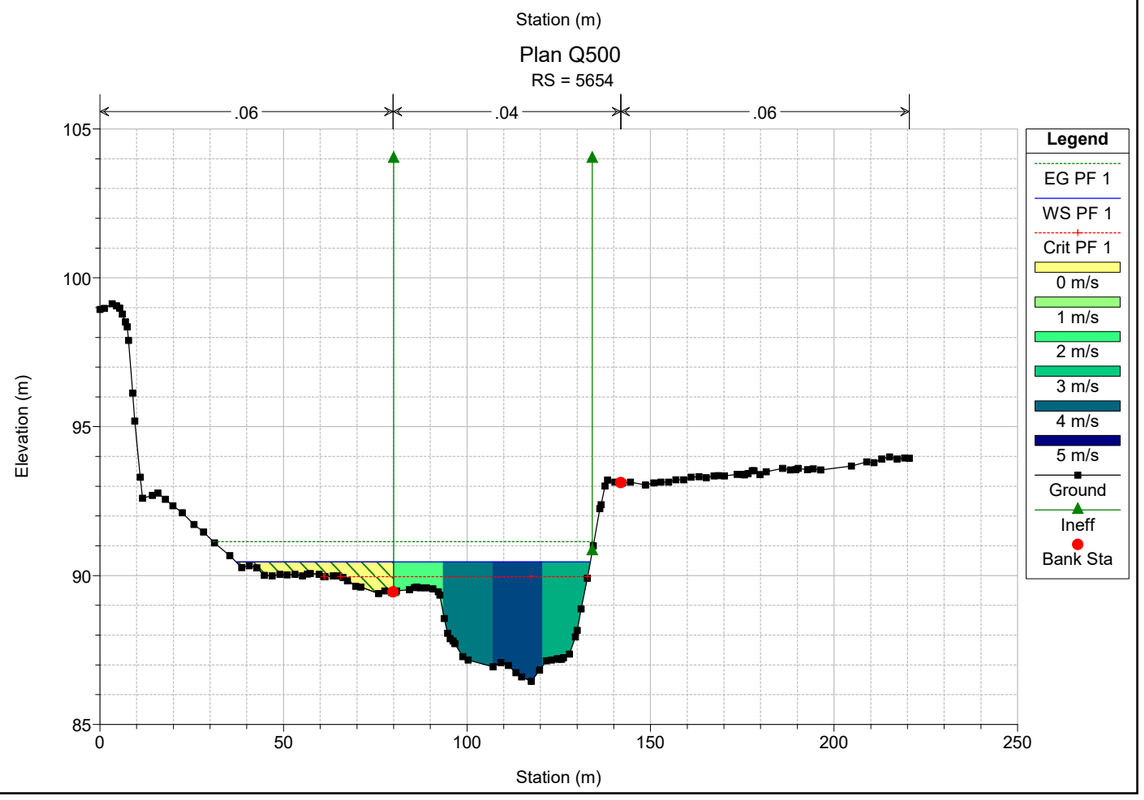

Plan Q500
RS = 5834
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

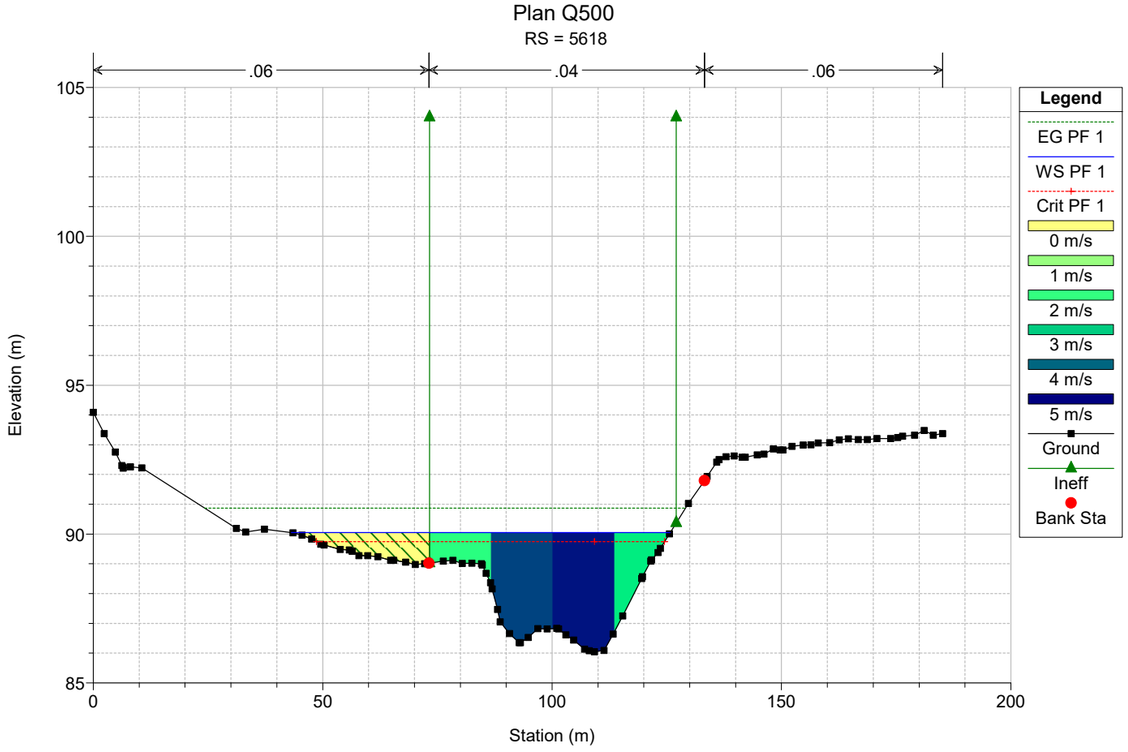

Plan Q500
RS = 5800
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

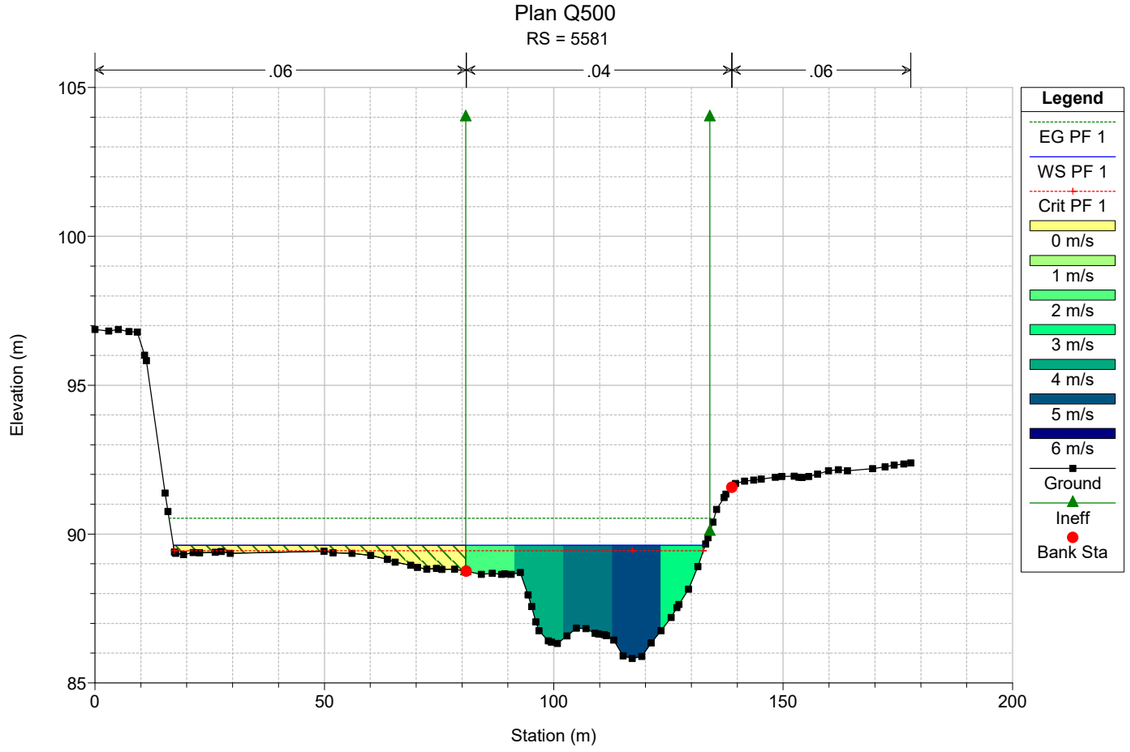

Plan Q500
RS = 5763
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

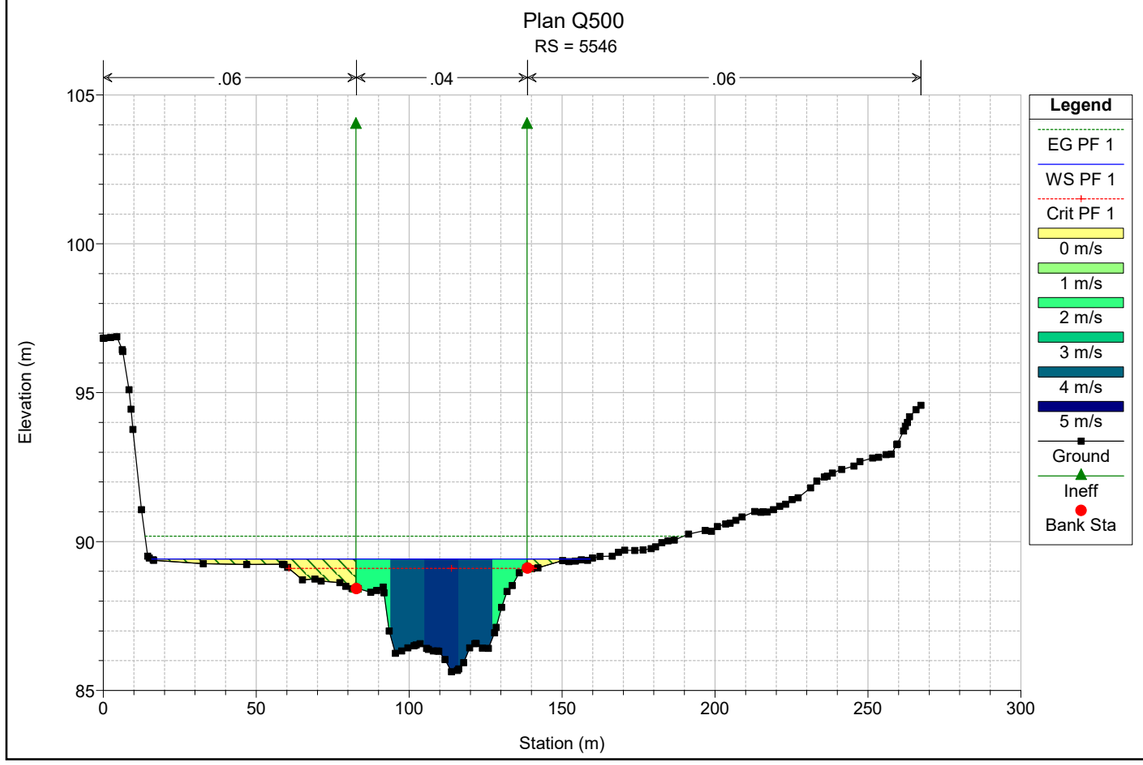

Plan Q500
RS = 5724
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

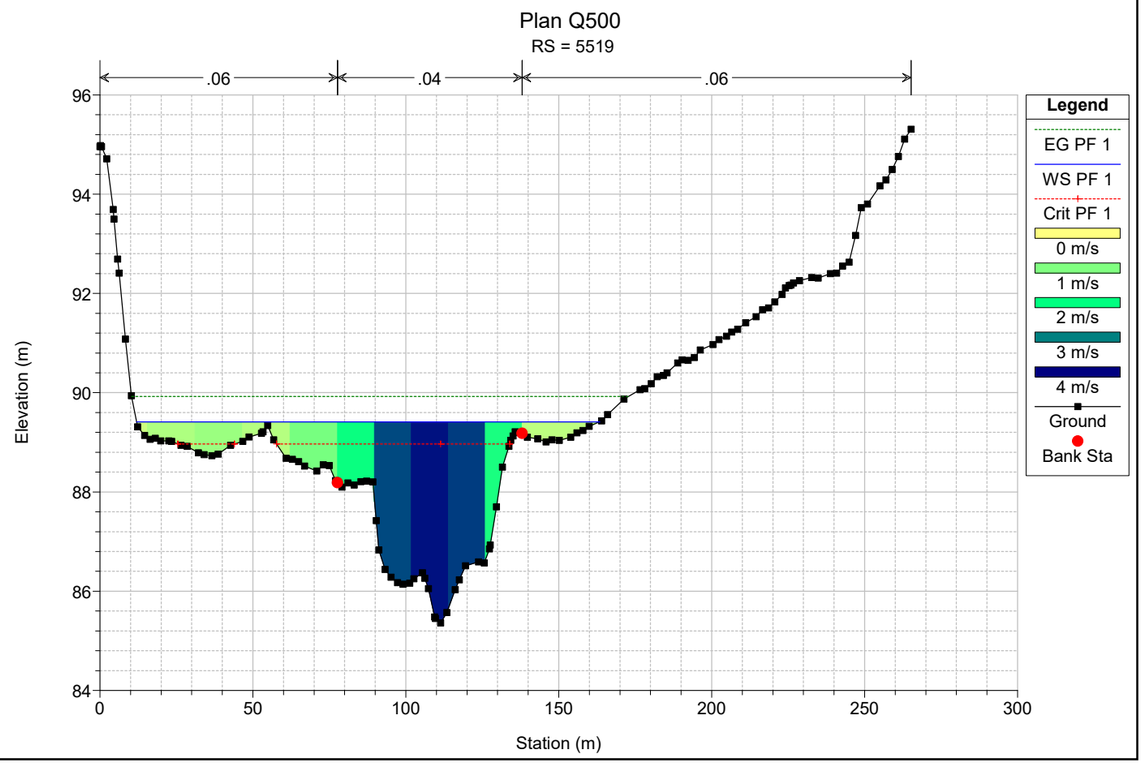

Plan Q500
RS = 5692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

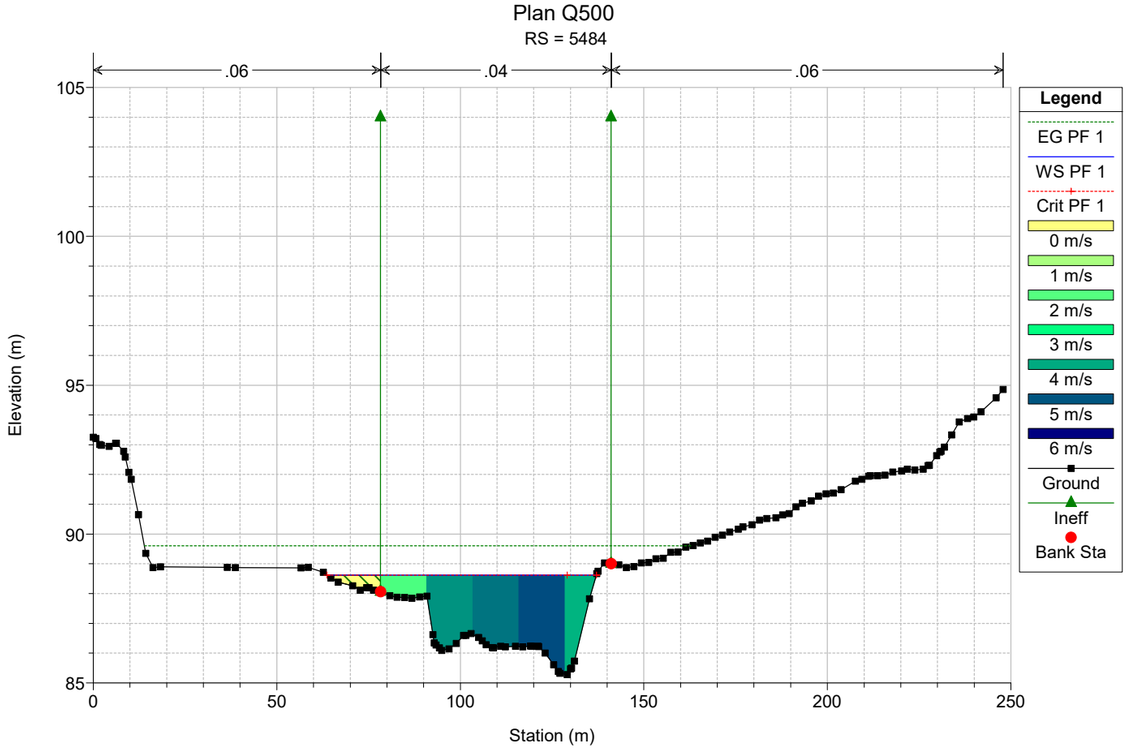

Plan Q500
RS = 5654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

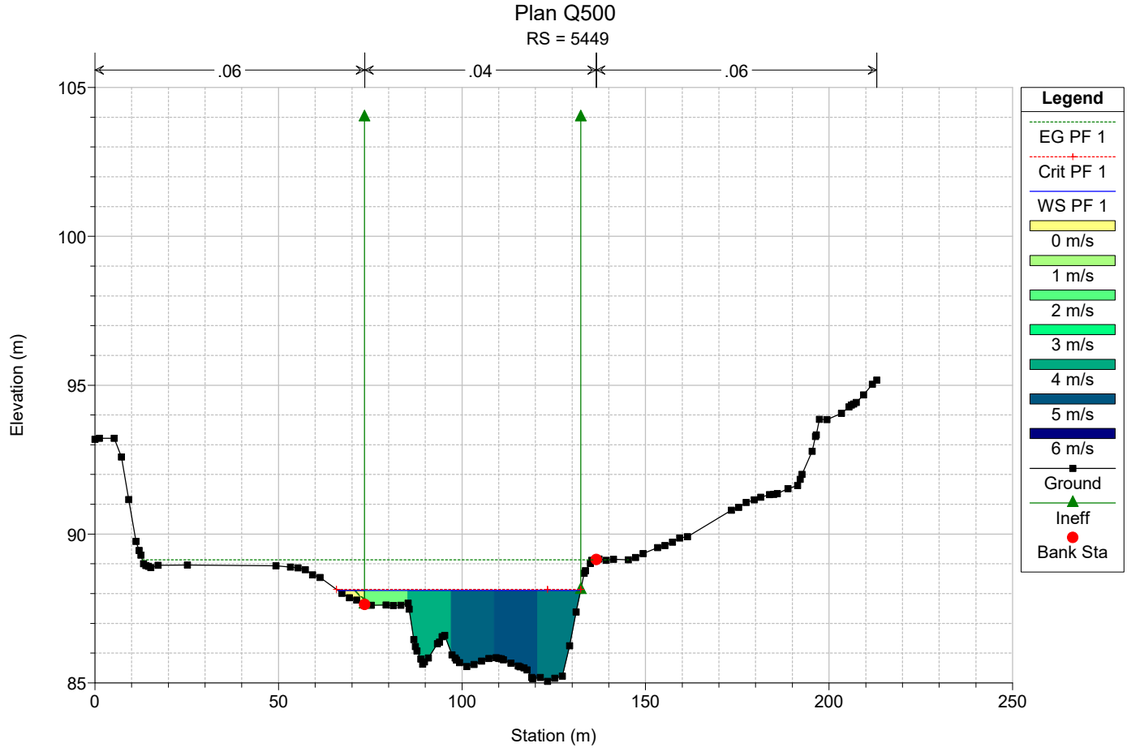

Plan Q500
RS = 5618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

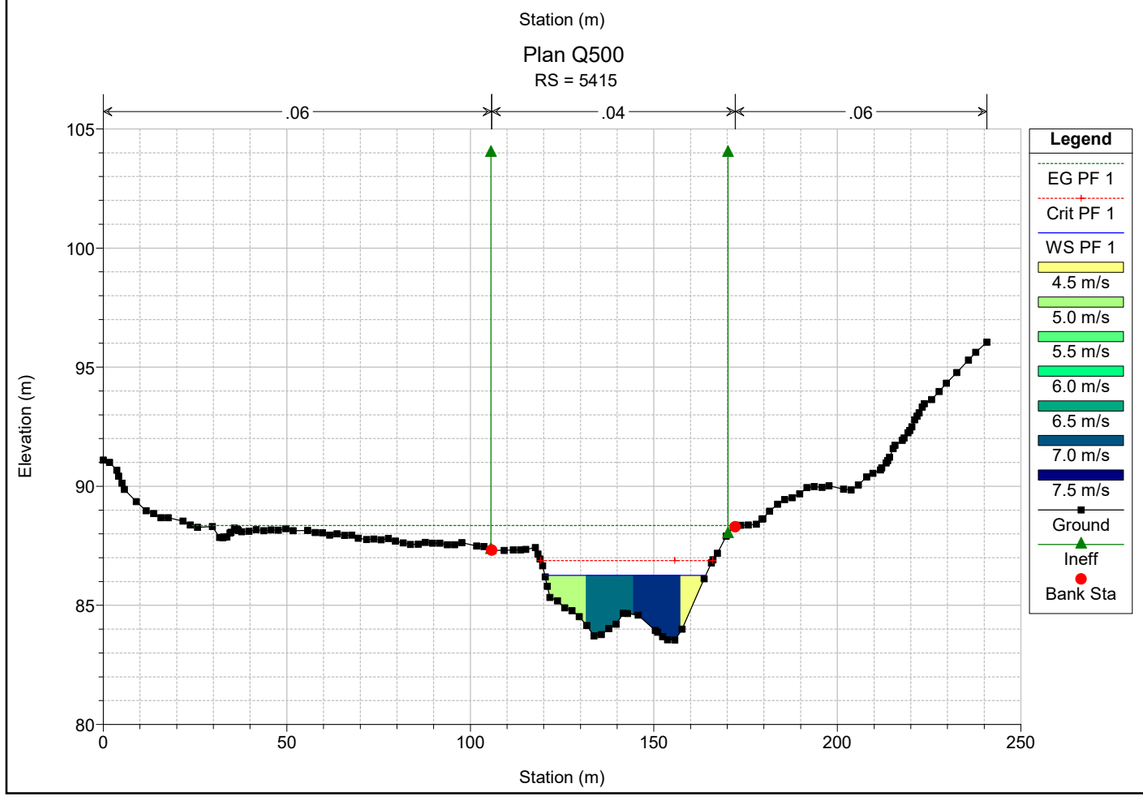

Plan Q500
RS = 5581
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

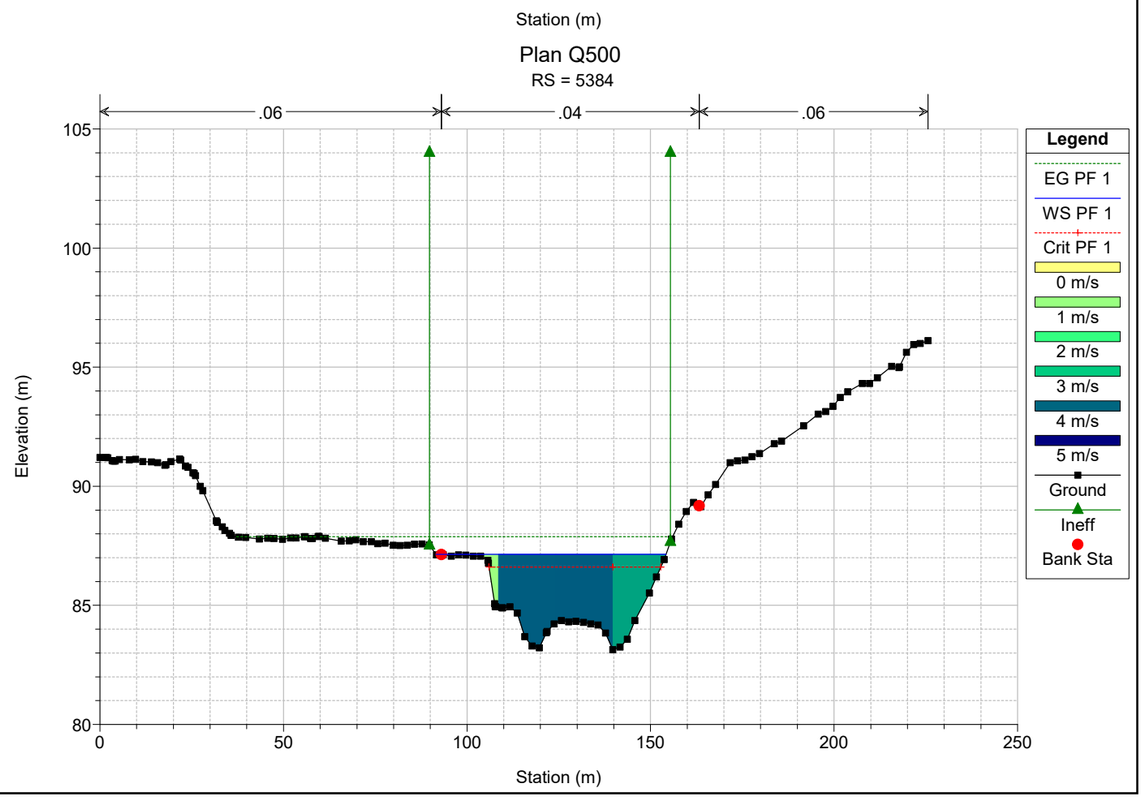

Plan Q500
RS = 5546
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

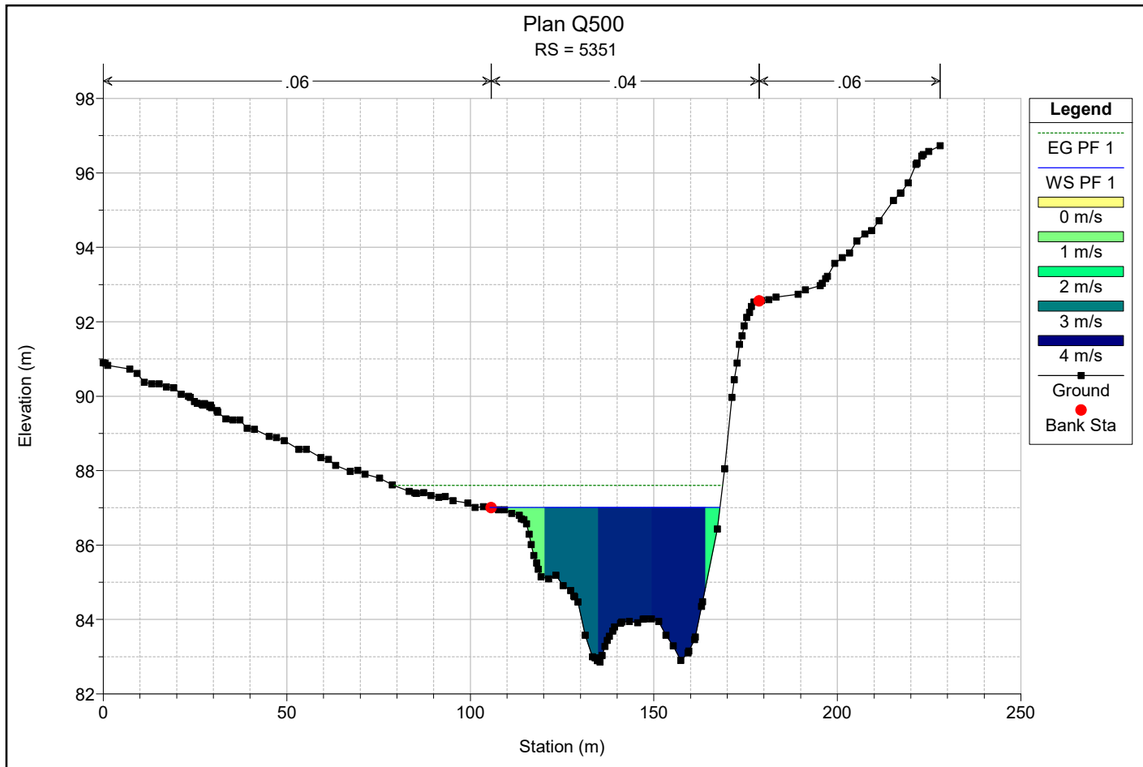

Plan Q500
RS = 5519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

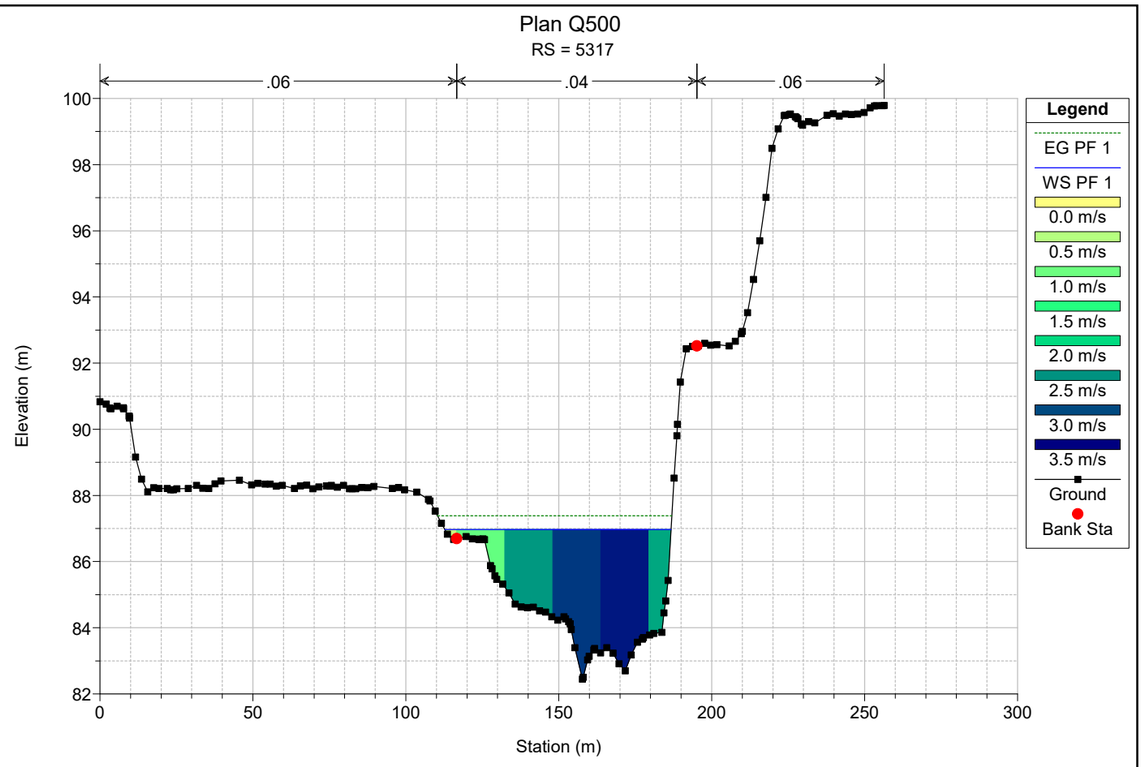

Plan Q500
RS = 5484
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

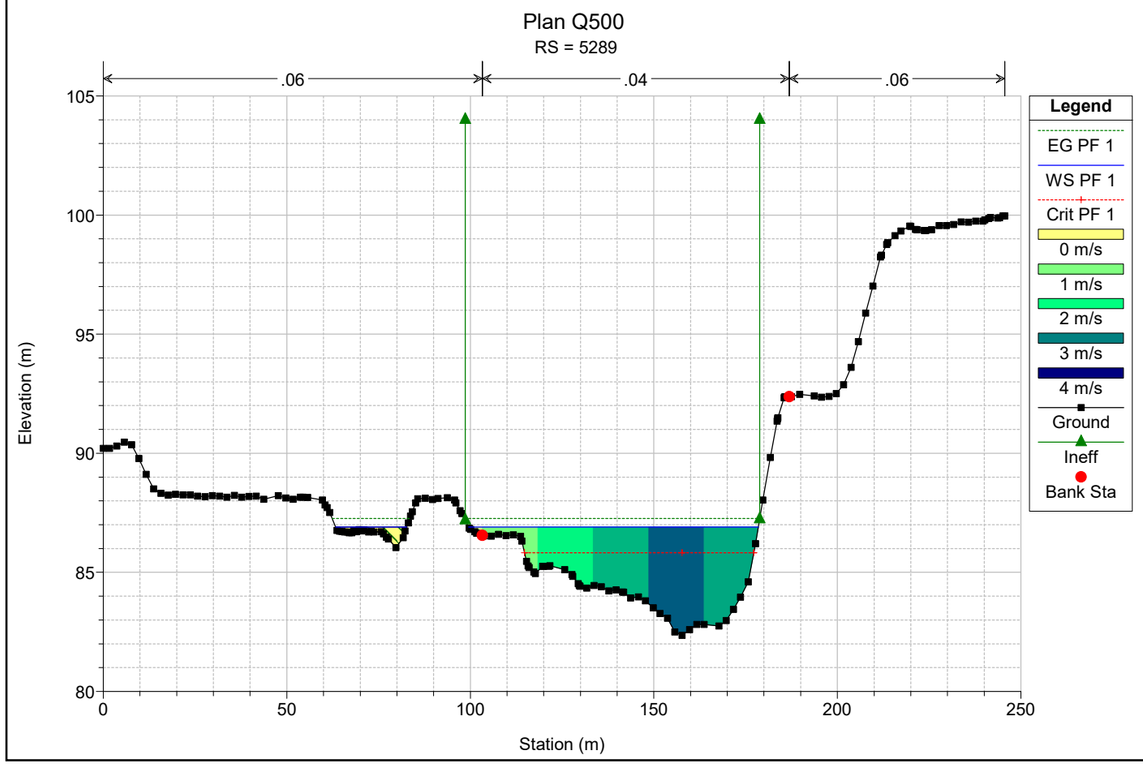

Plan Q500
RS = 5449
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

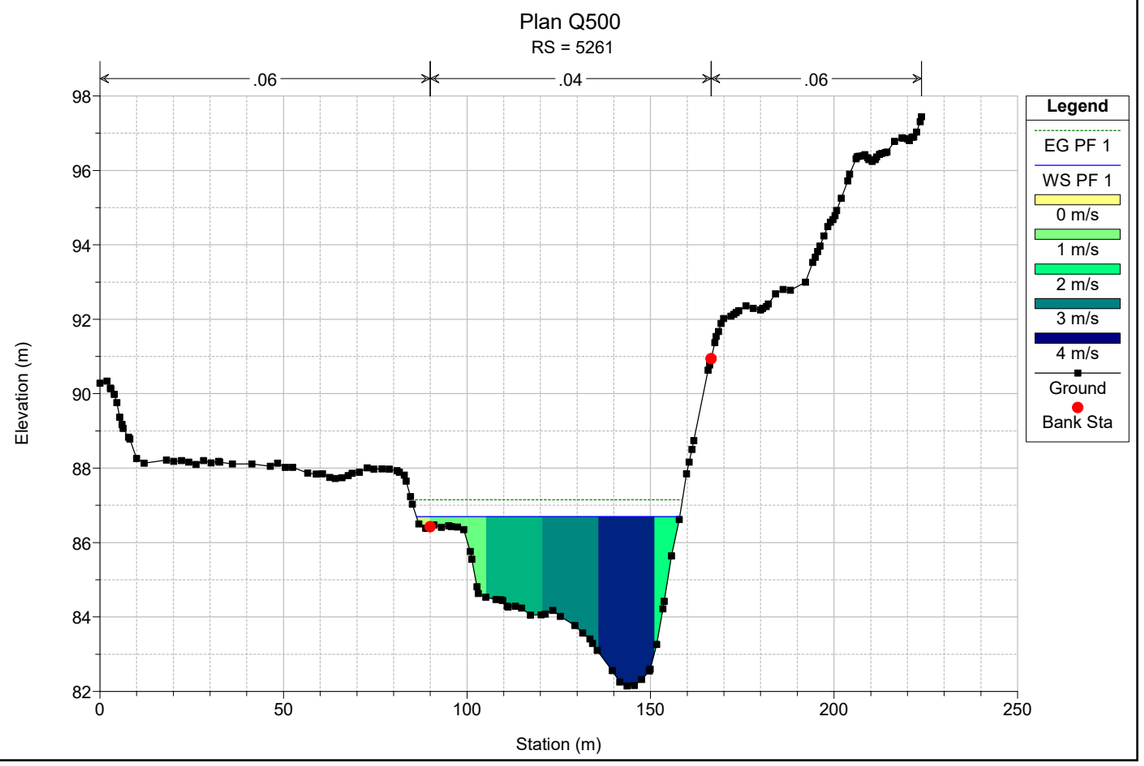

Plan Q500
RS = 5415
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
4.5 m/s
5.0 m/s
5.5 m/s
6.0 m/s
6.5 m/s
7.0 m/s
7.5 m/s
Ground
Ineff
Bank Sta

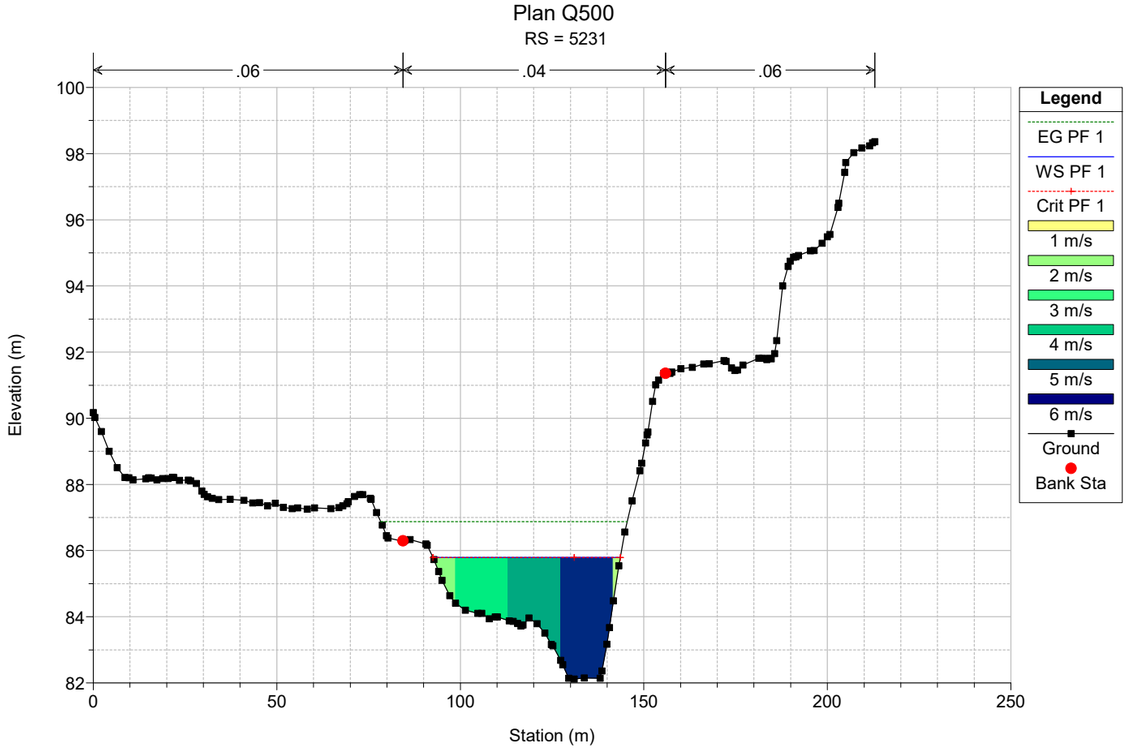

Plan Q500
RS = 5384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

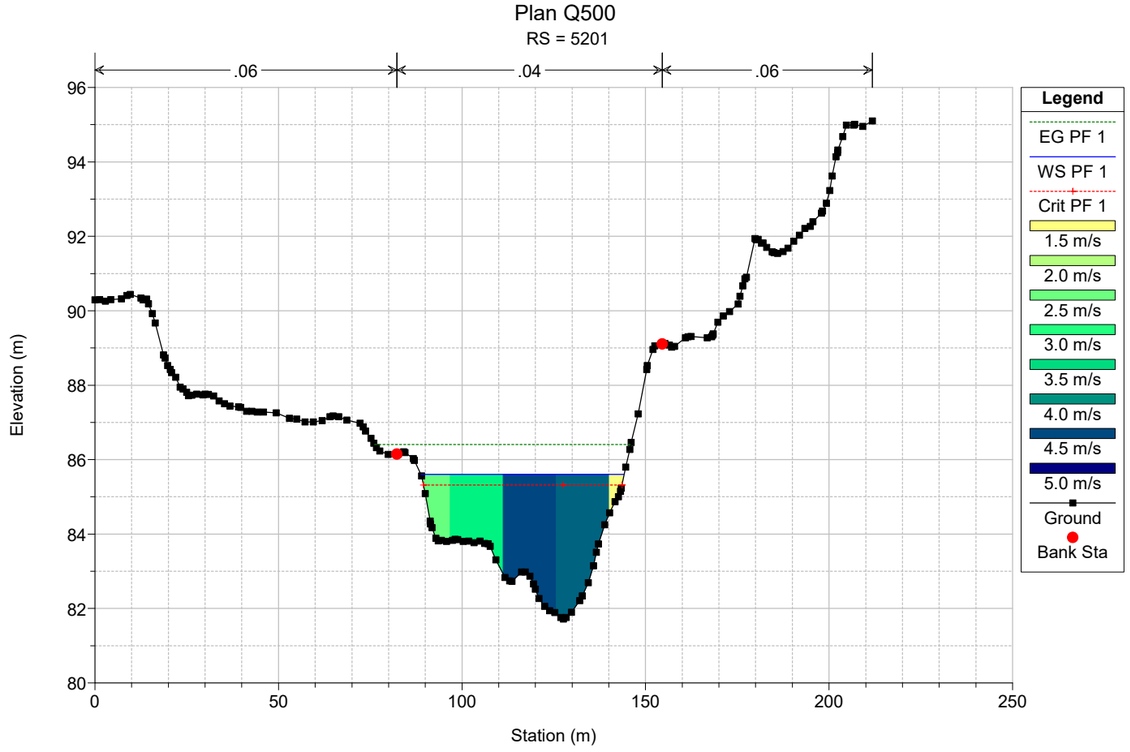

Plan Q500
RS = 5351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

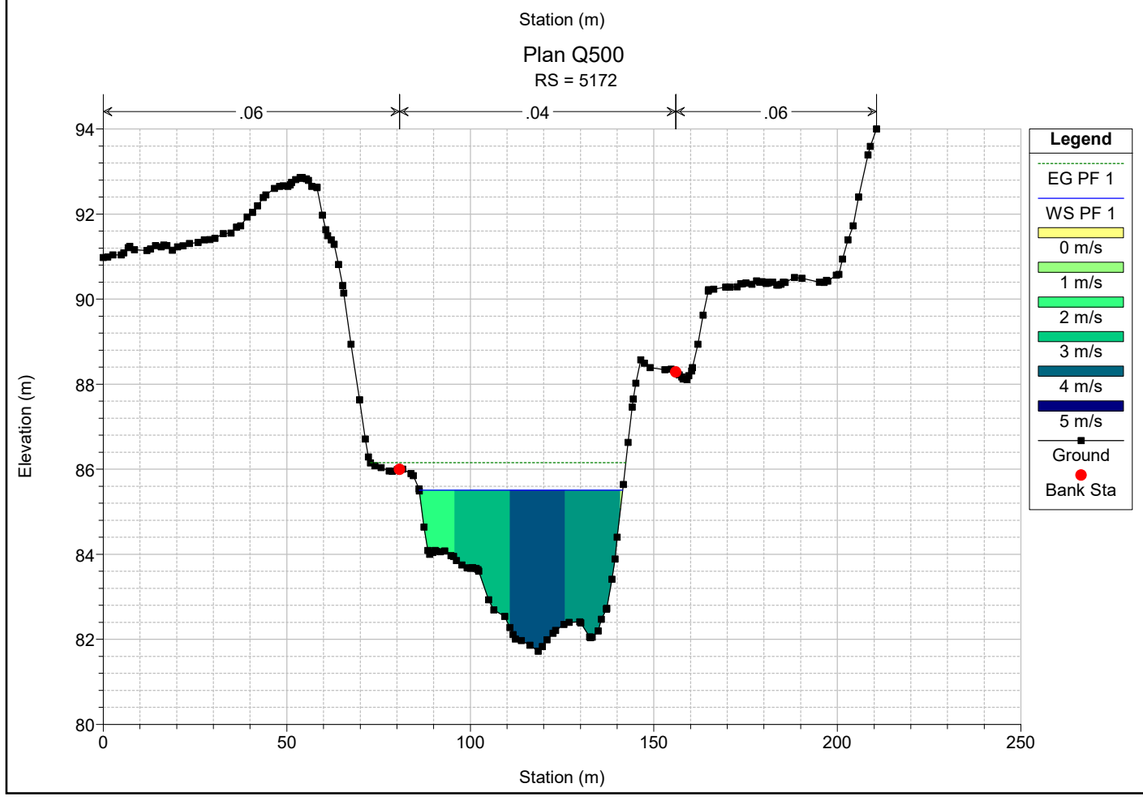

Plan Q500
RS = 5317
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

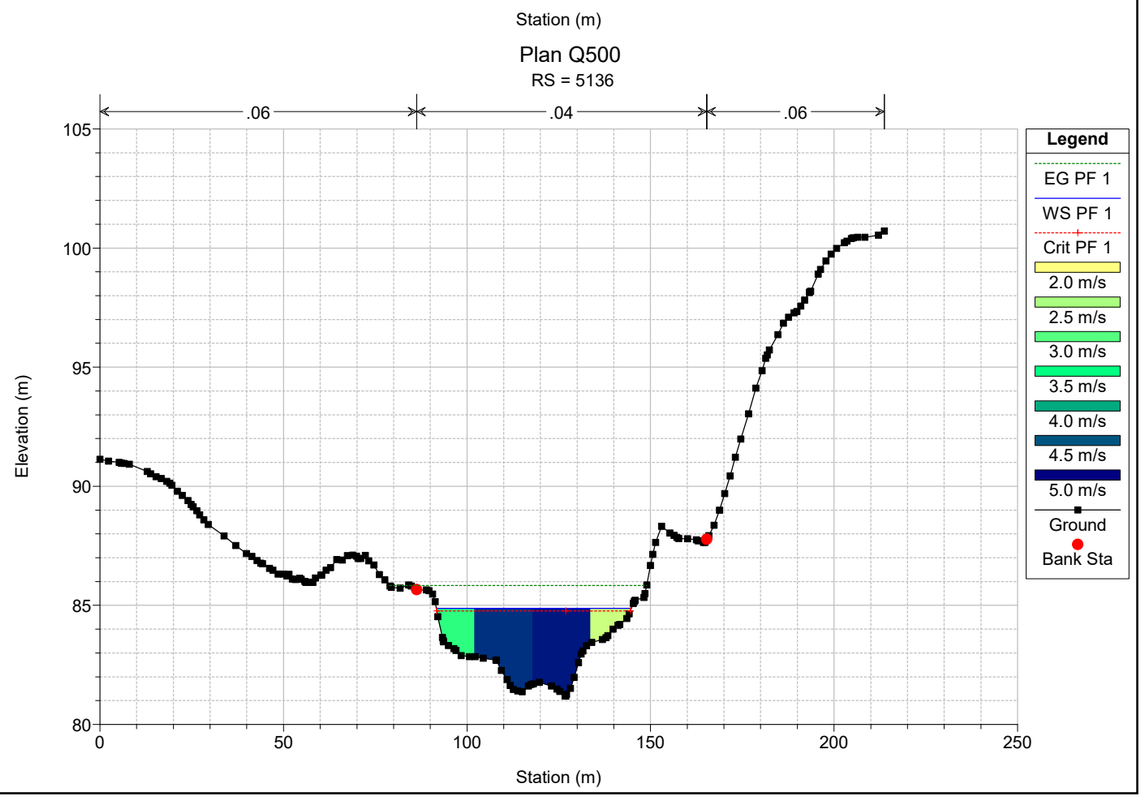

Plan Q500
RS = 5289
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

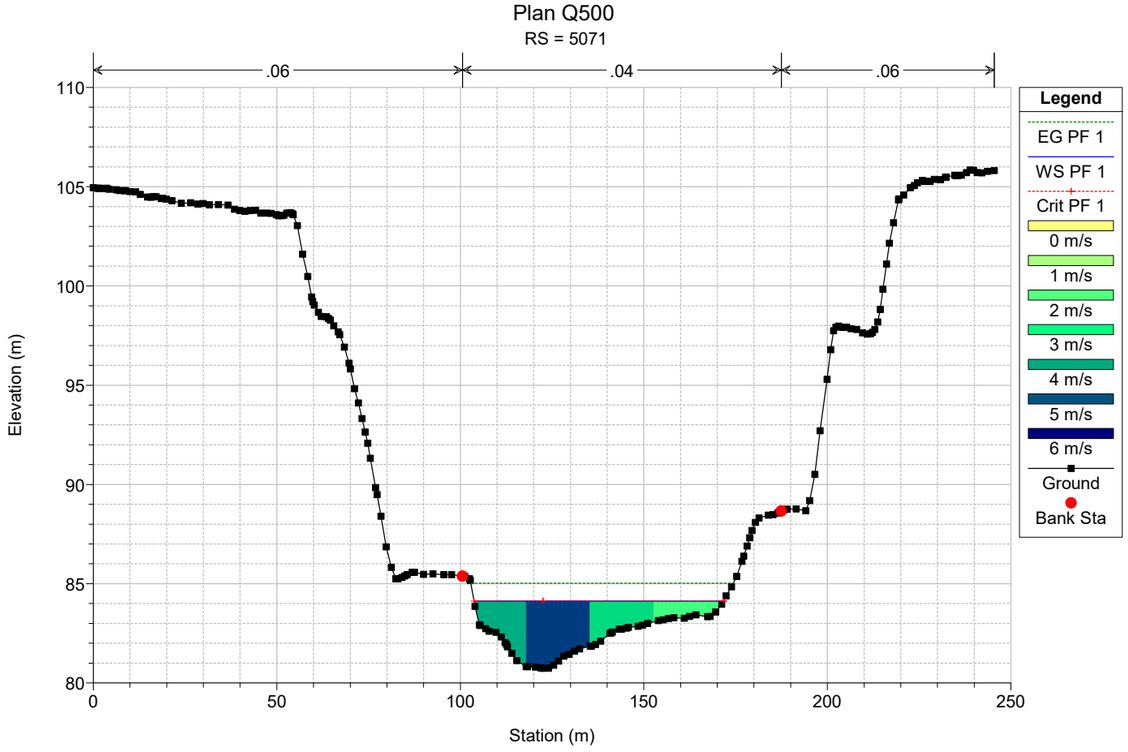

Plan Q500
RS = 5261
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

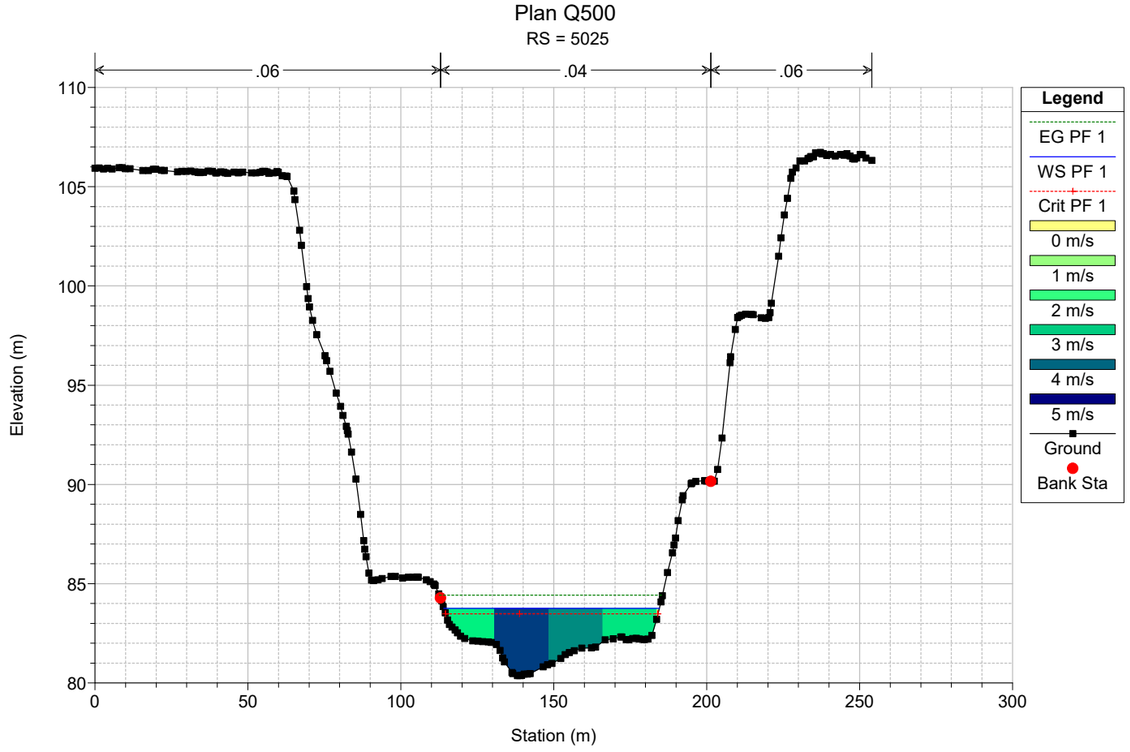

Plan Q500
RS = 5231
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Bank Sta

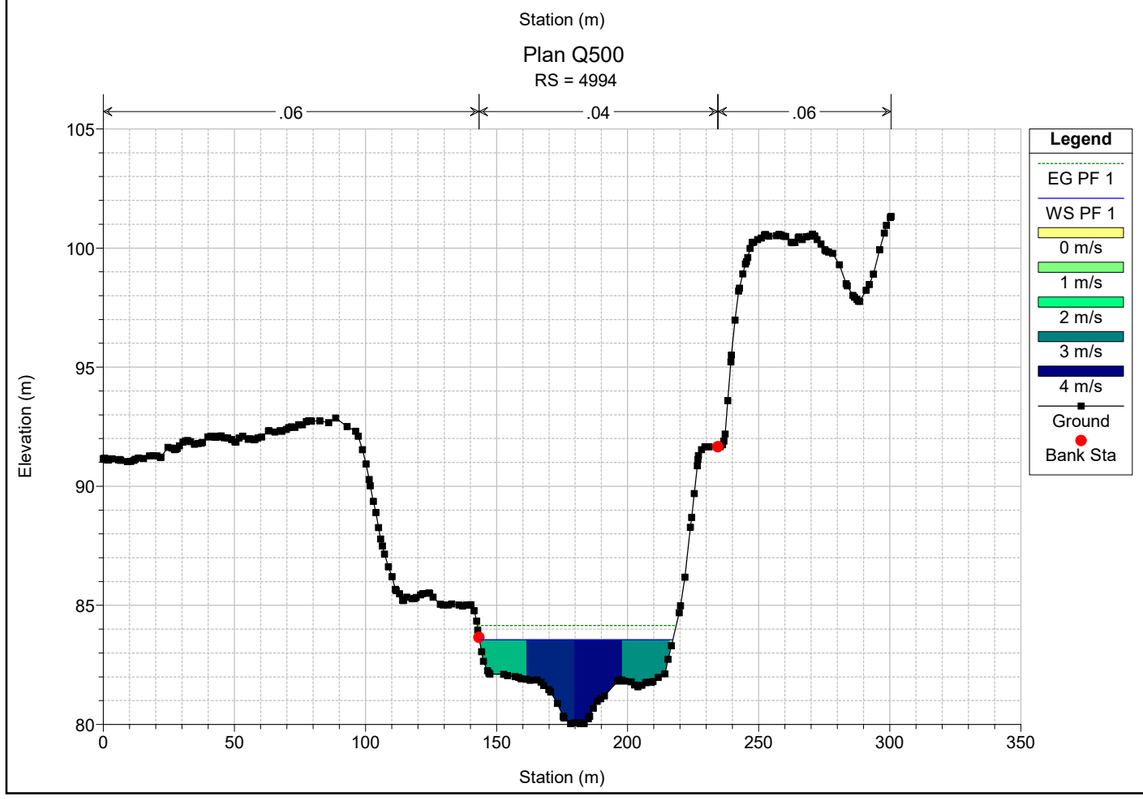

Plan Q500
RS = 5201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
Ground
Bank Sta

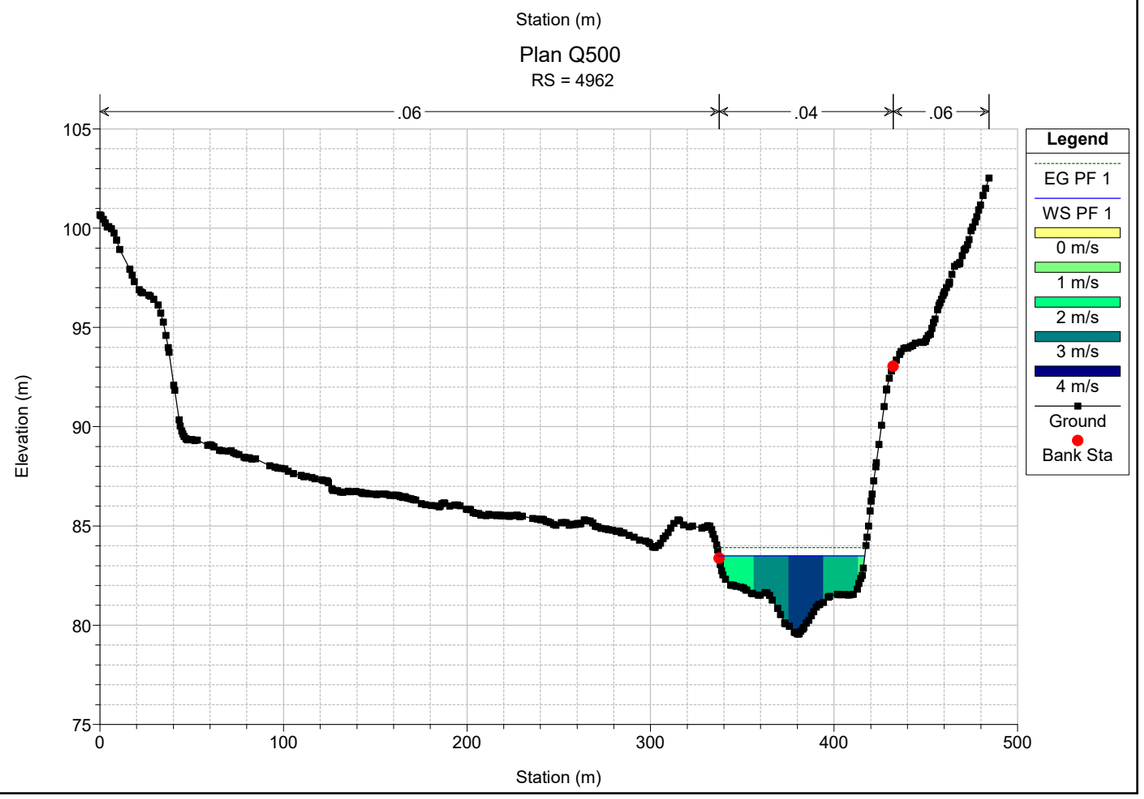

Plan Q500
RS = 5172
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

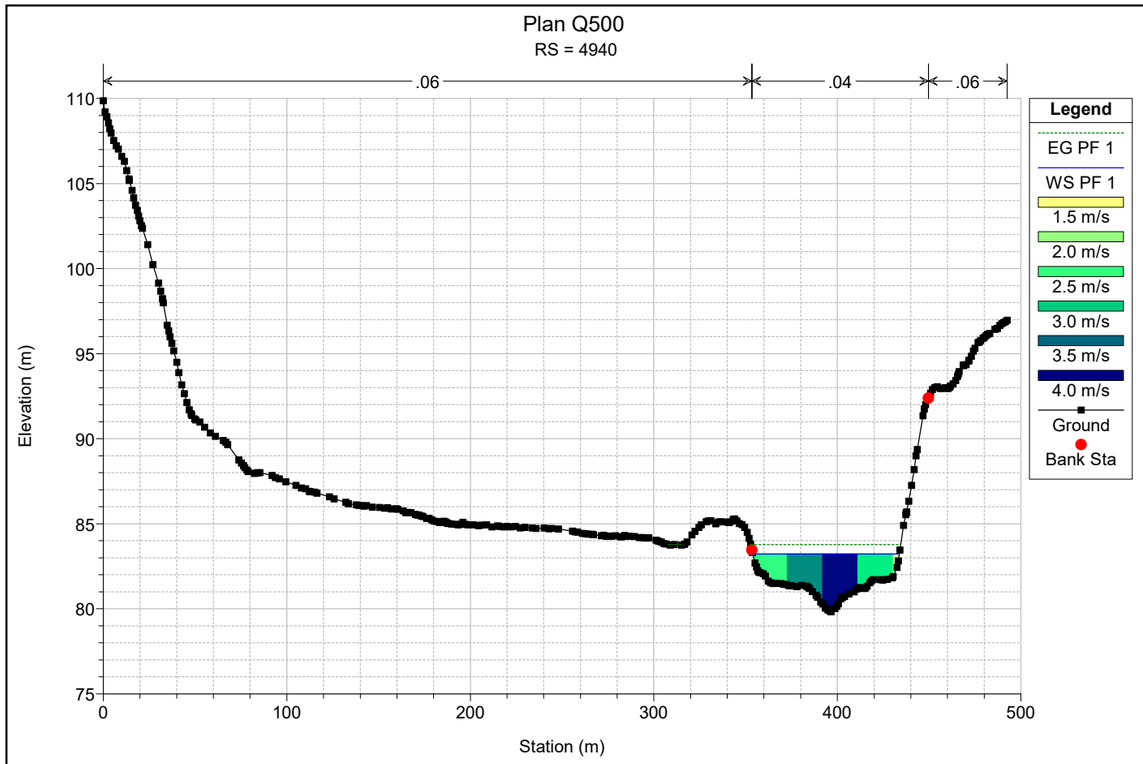

Plan Q500
RS = 5136
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
Ground
Bank Sta

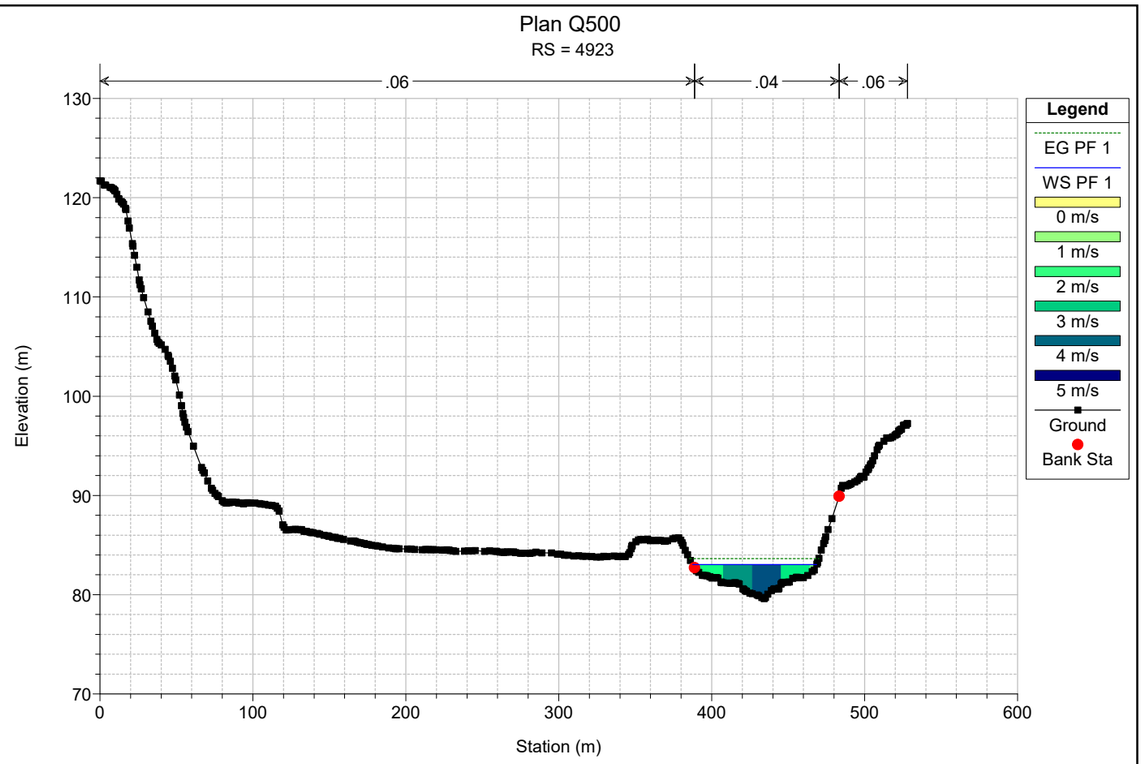

Plan Q500
RS = 5071
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Bank Sta

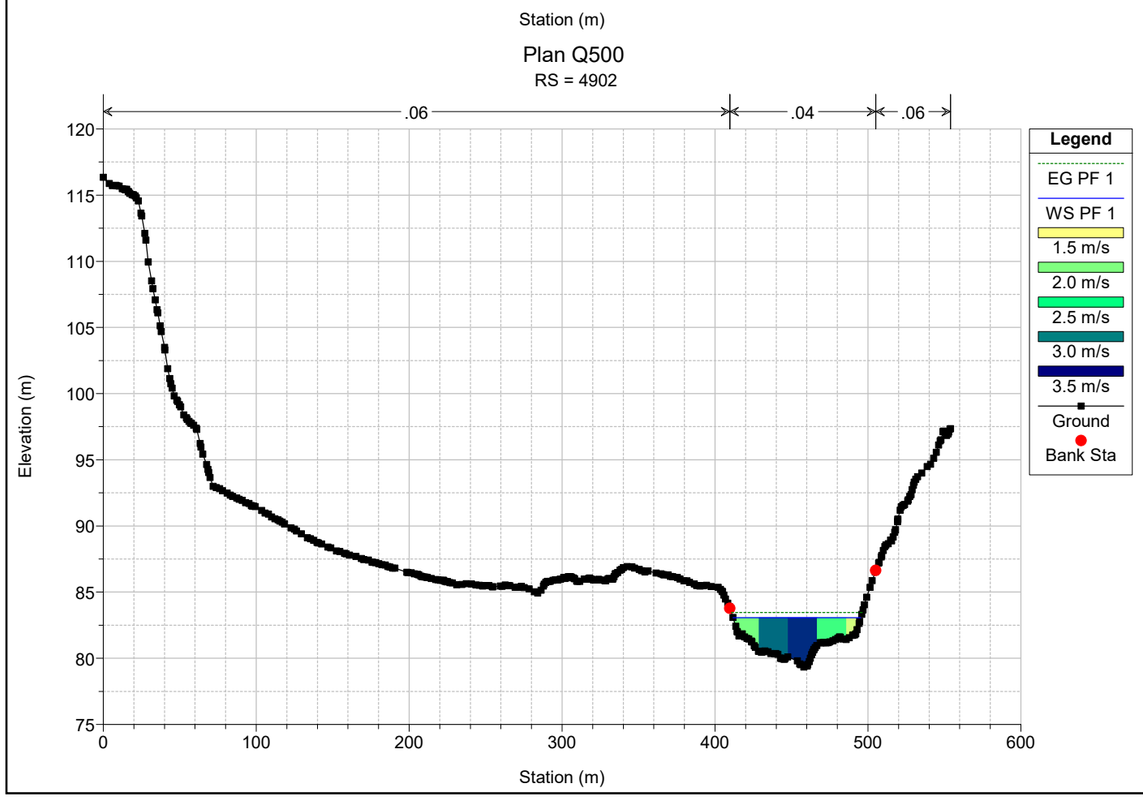

Plan Q500
RS = 5025
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

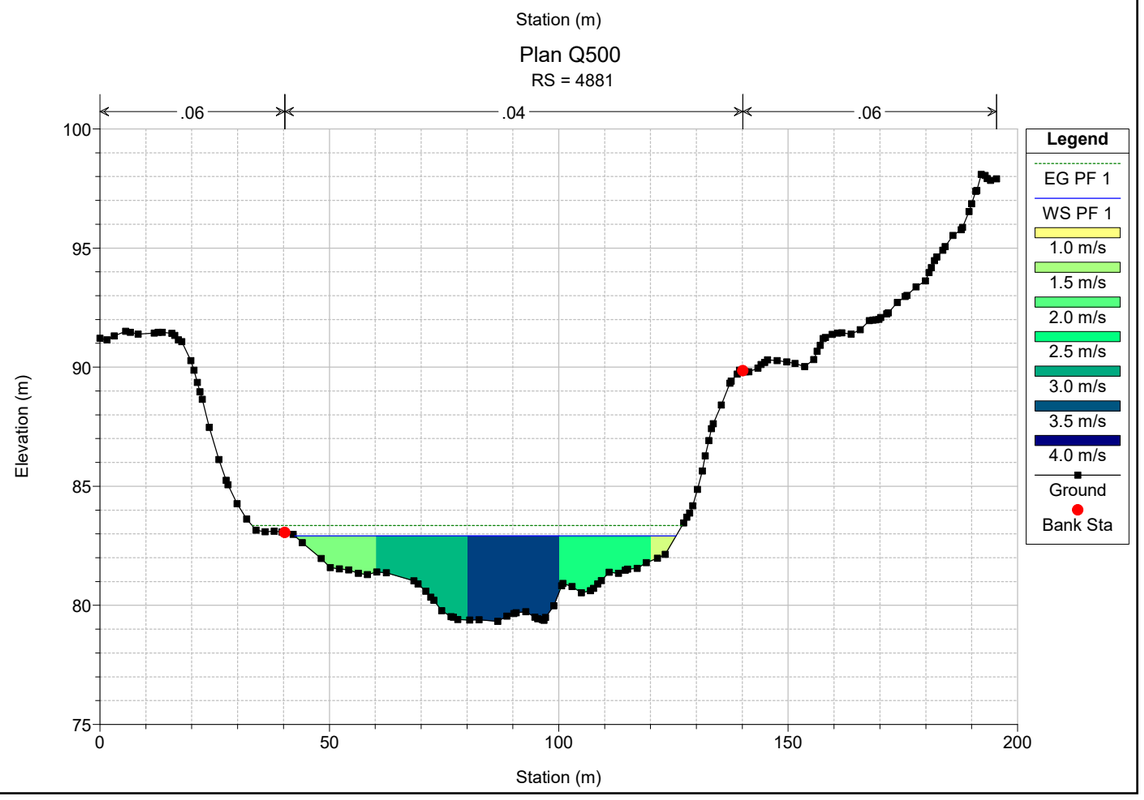

Plan Q500
RS = 4994
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

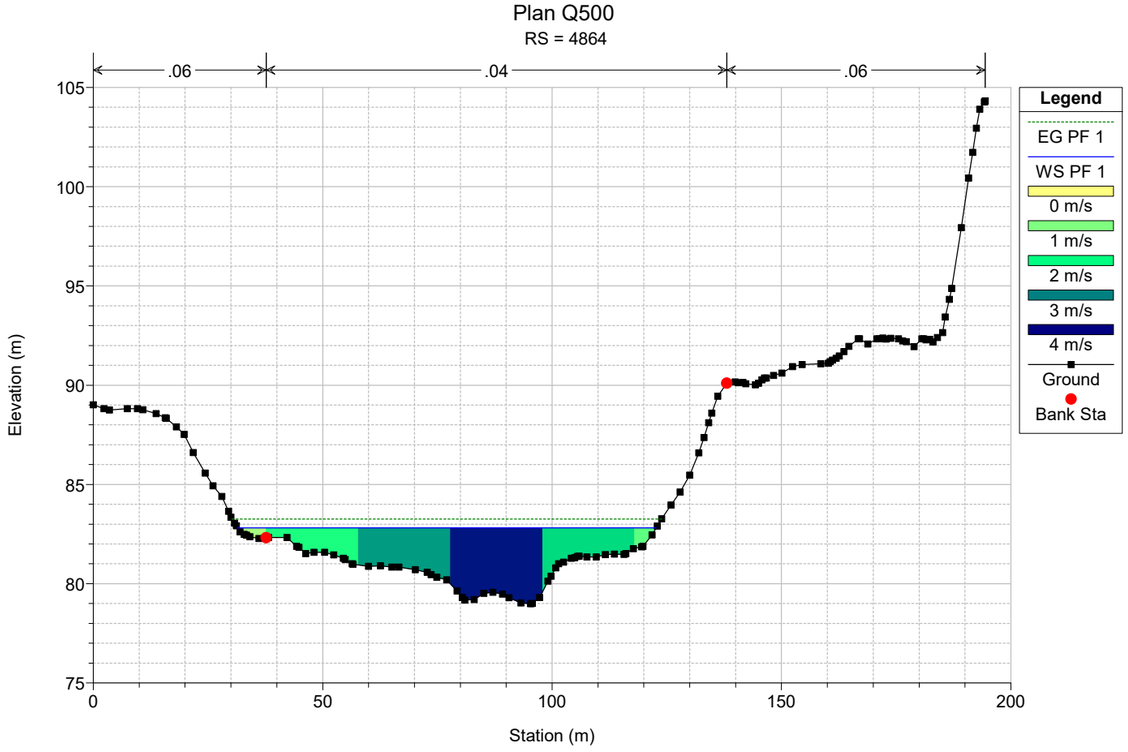

Plan Q500
RS = 4962
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

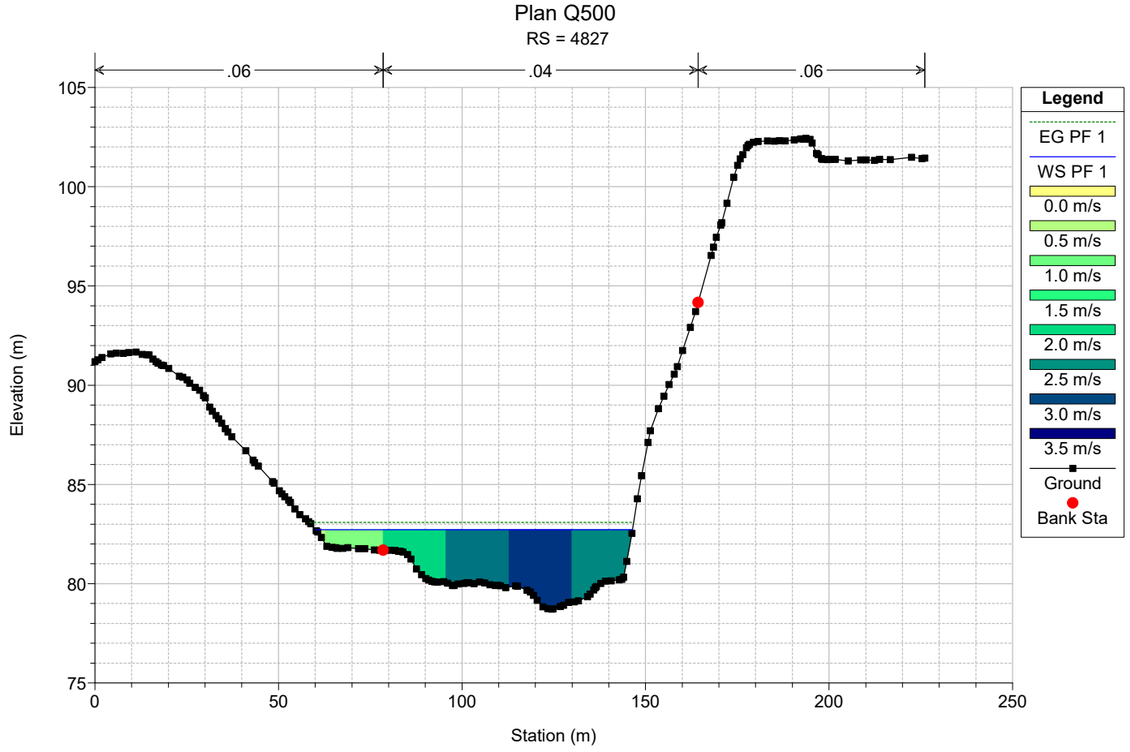

Plan Q500
RS = 4940
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

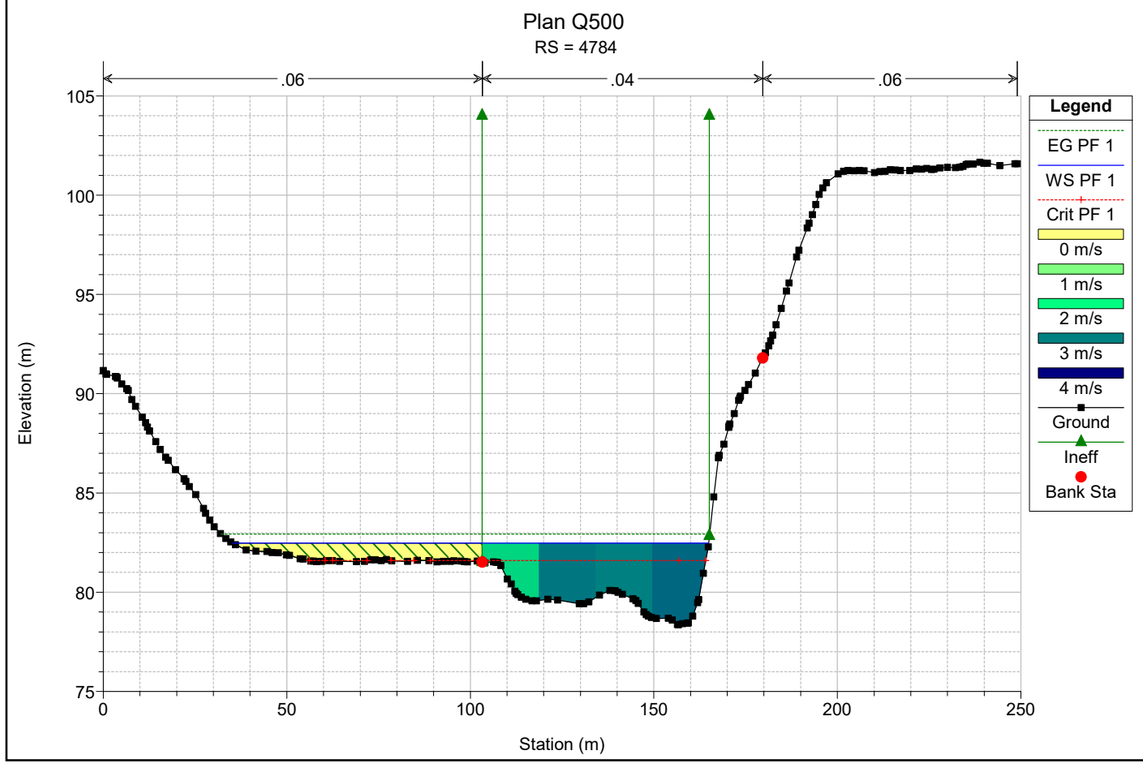

Plan Q500
RS = 4923
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

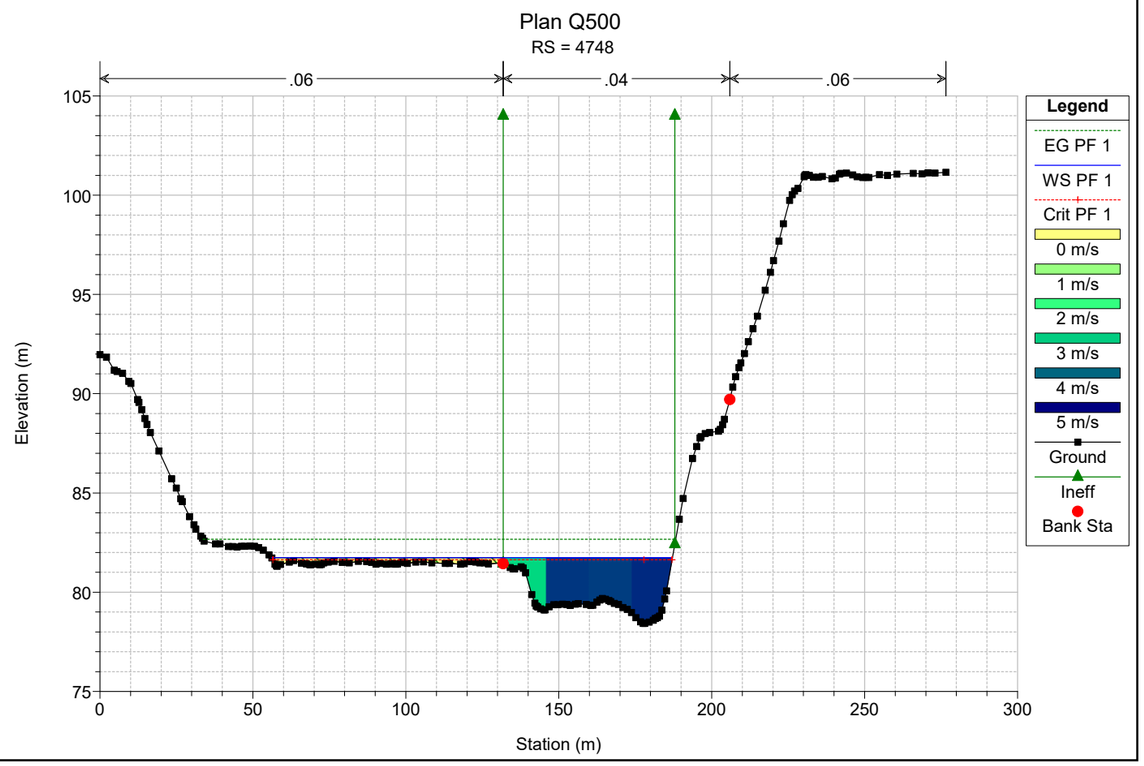

Plan Q500
RS = 4902
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

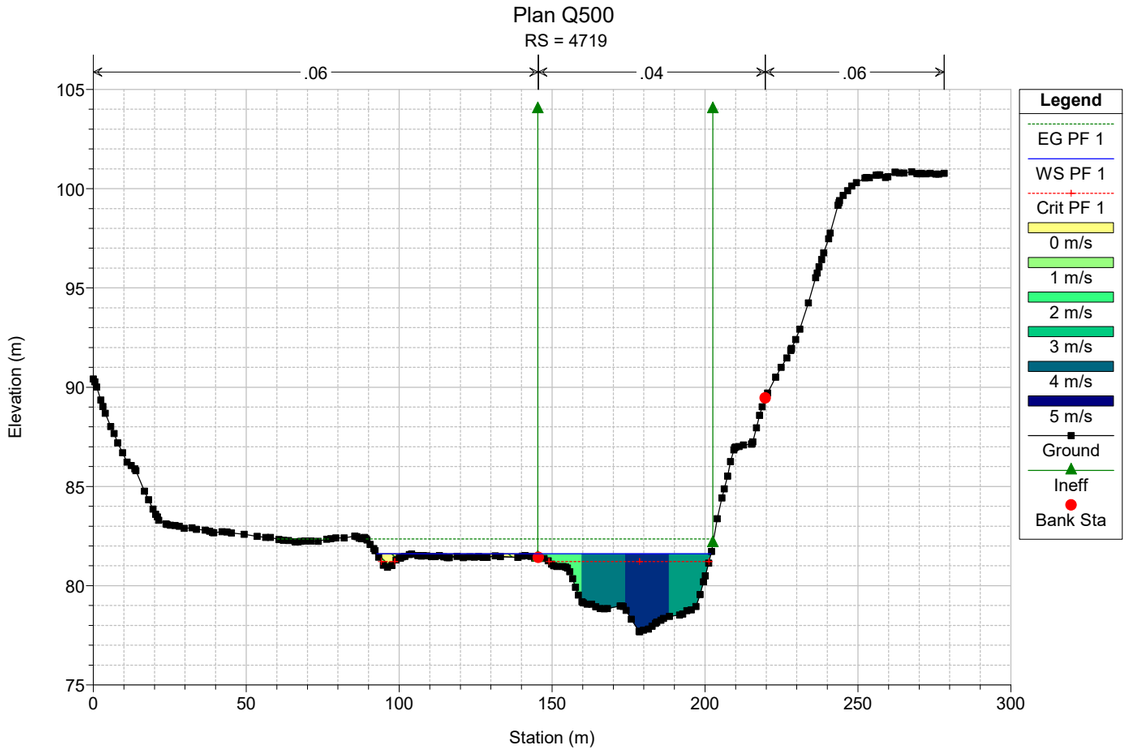

Plan Q500
RS = 4881
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

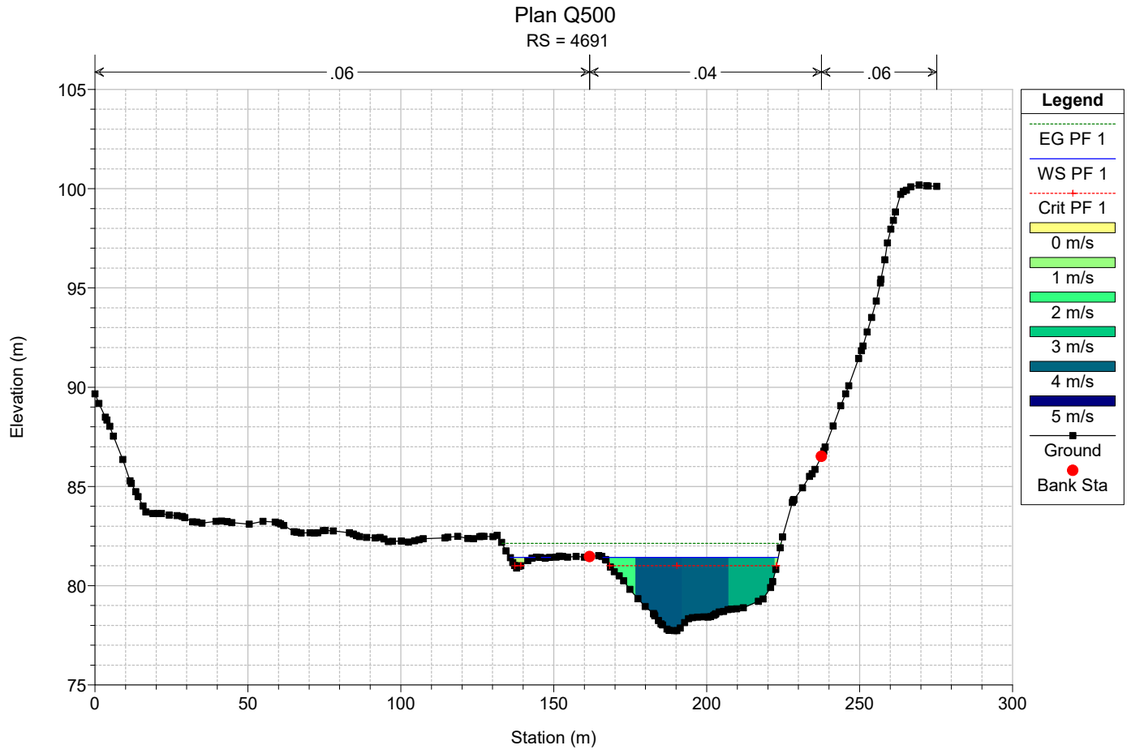

Plan Q500
RS = 4864
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

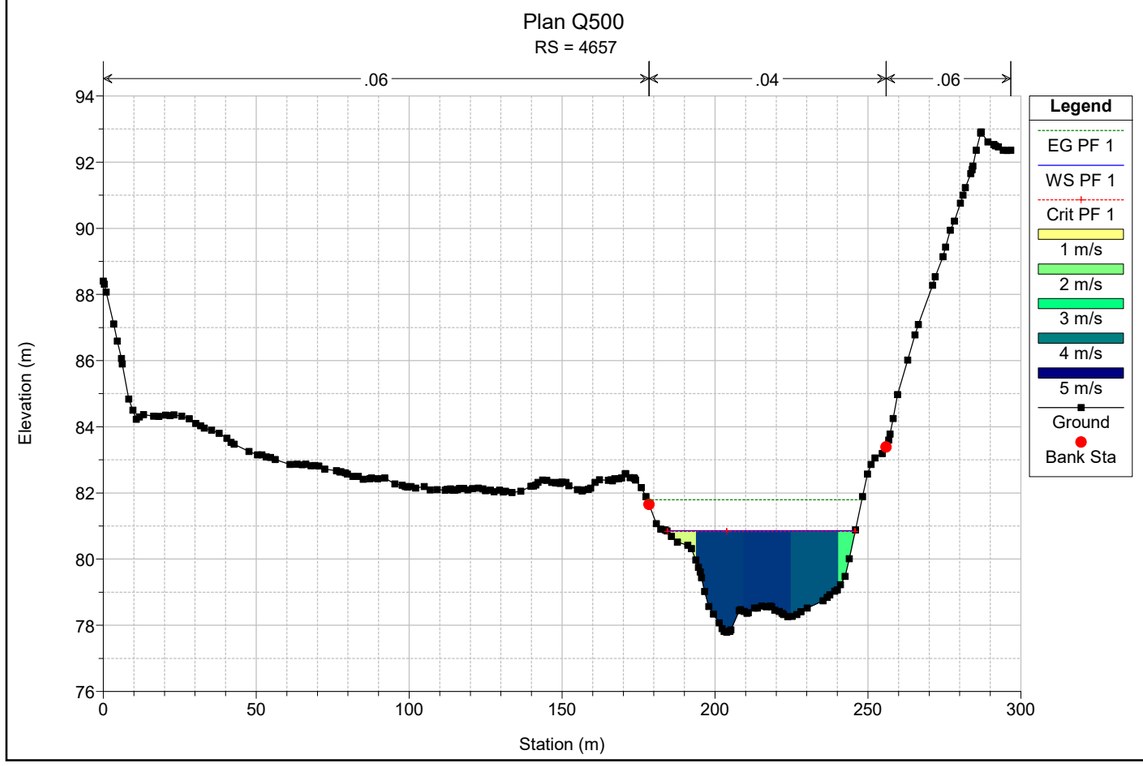

Plan Q500
RS = 4827
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

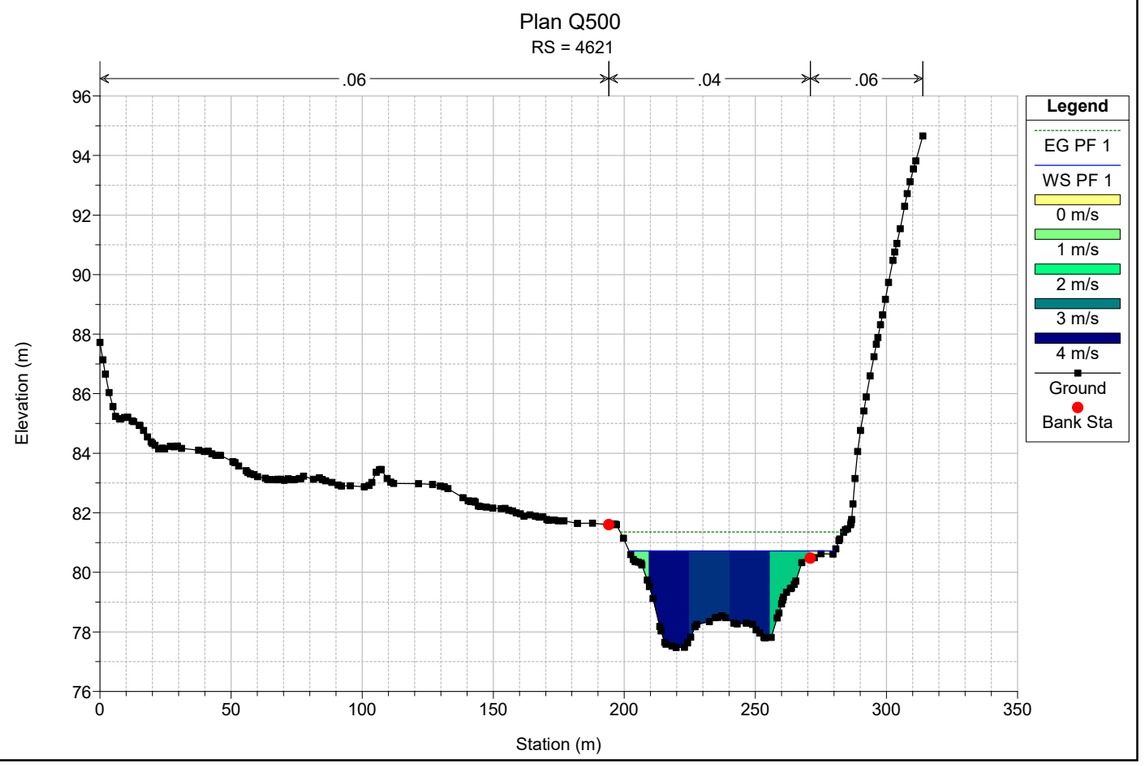

Plan Q500
RS = 4784
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

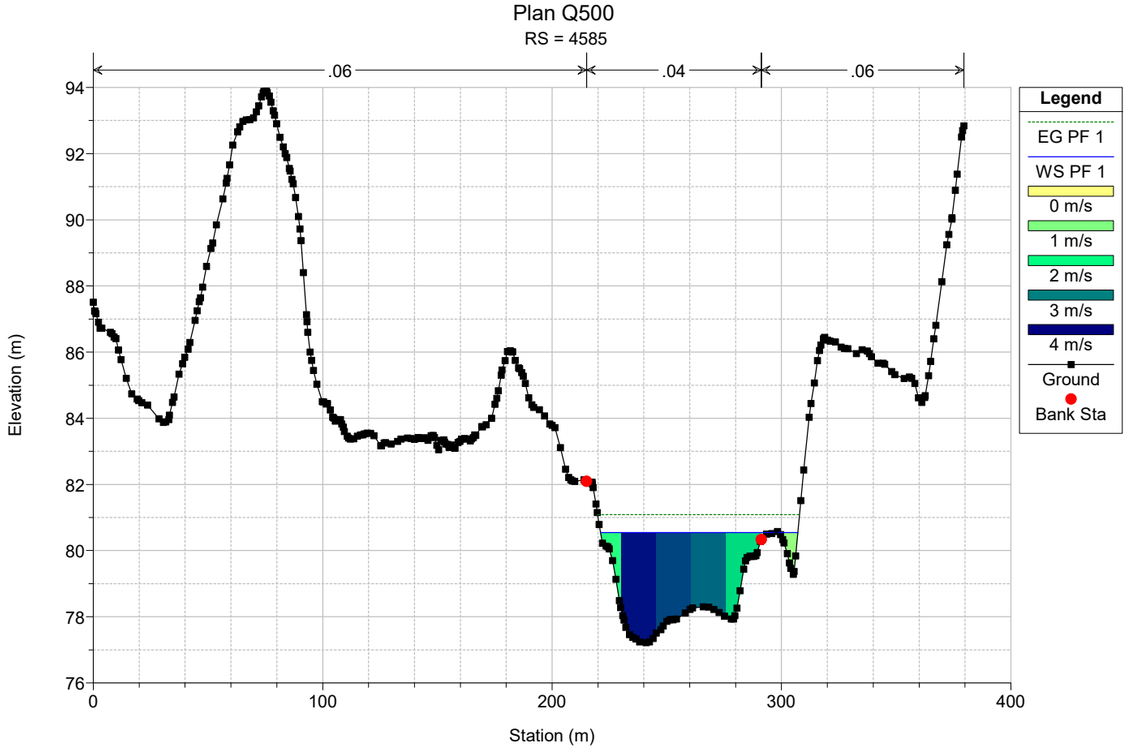

Plan Q500
RS = 4748
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

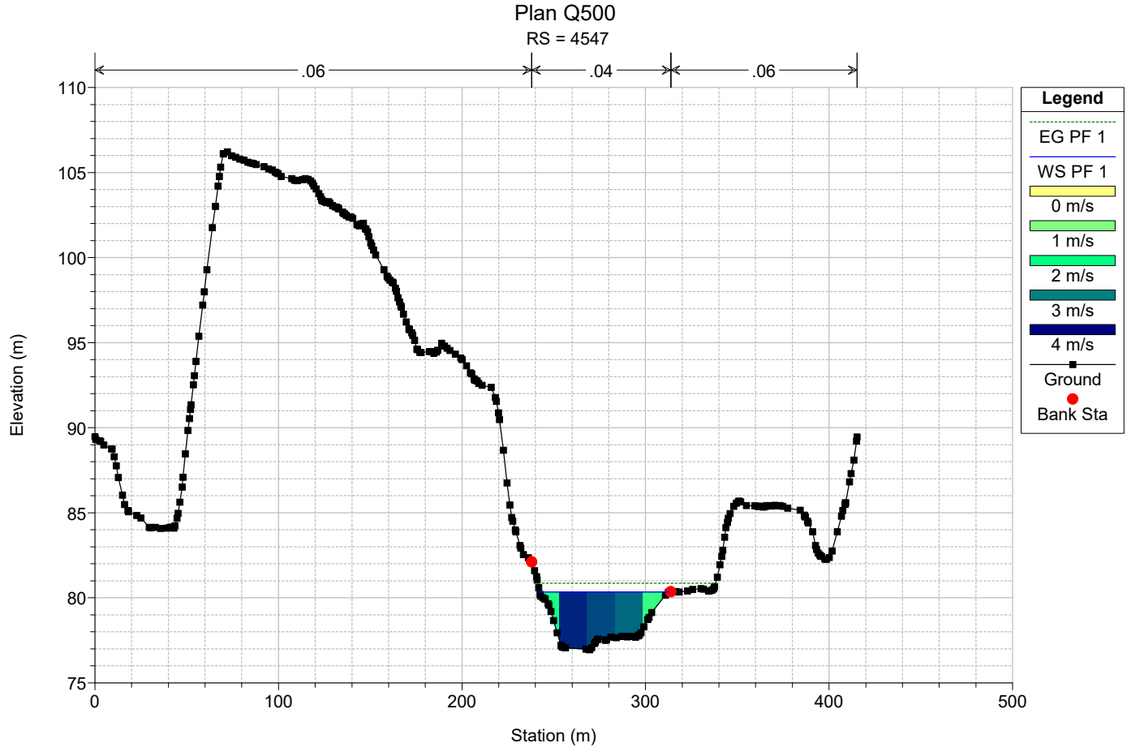

Plan Q500
RS = 4719
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

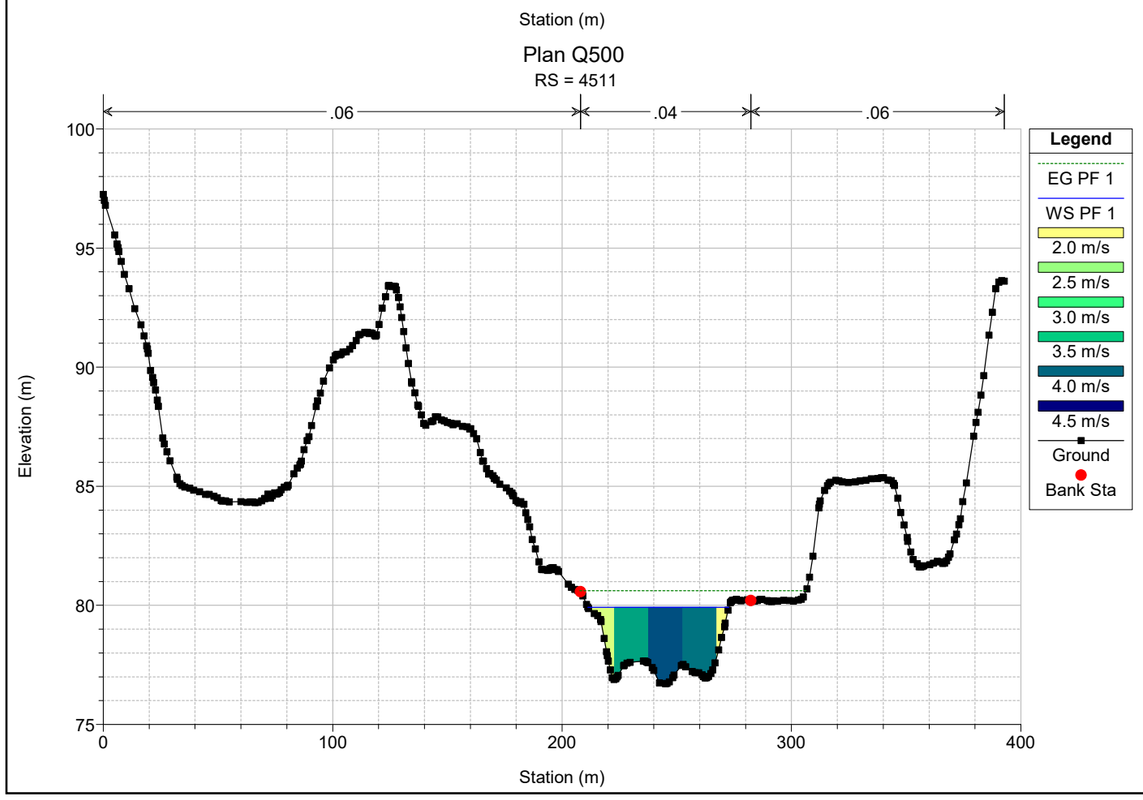

Plan Q500
RS = 4691
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

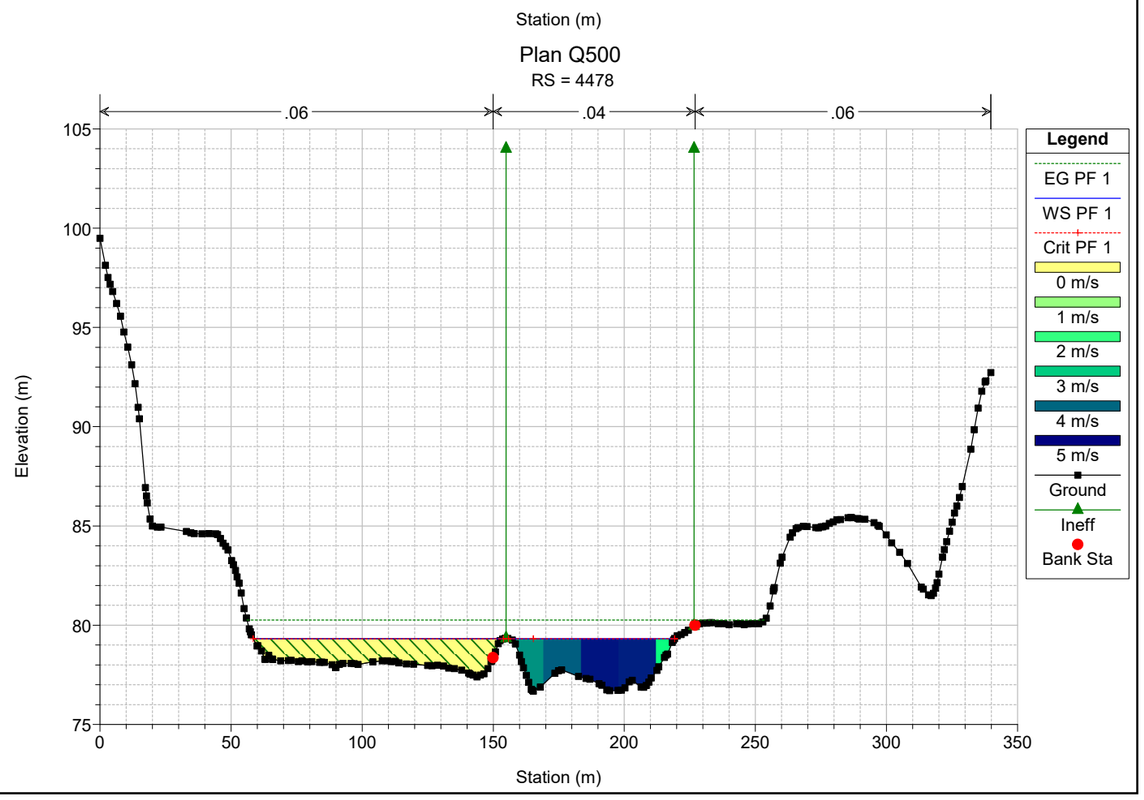

Plan Q500
RS = 4657
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

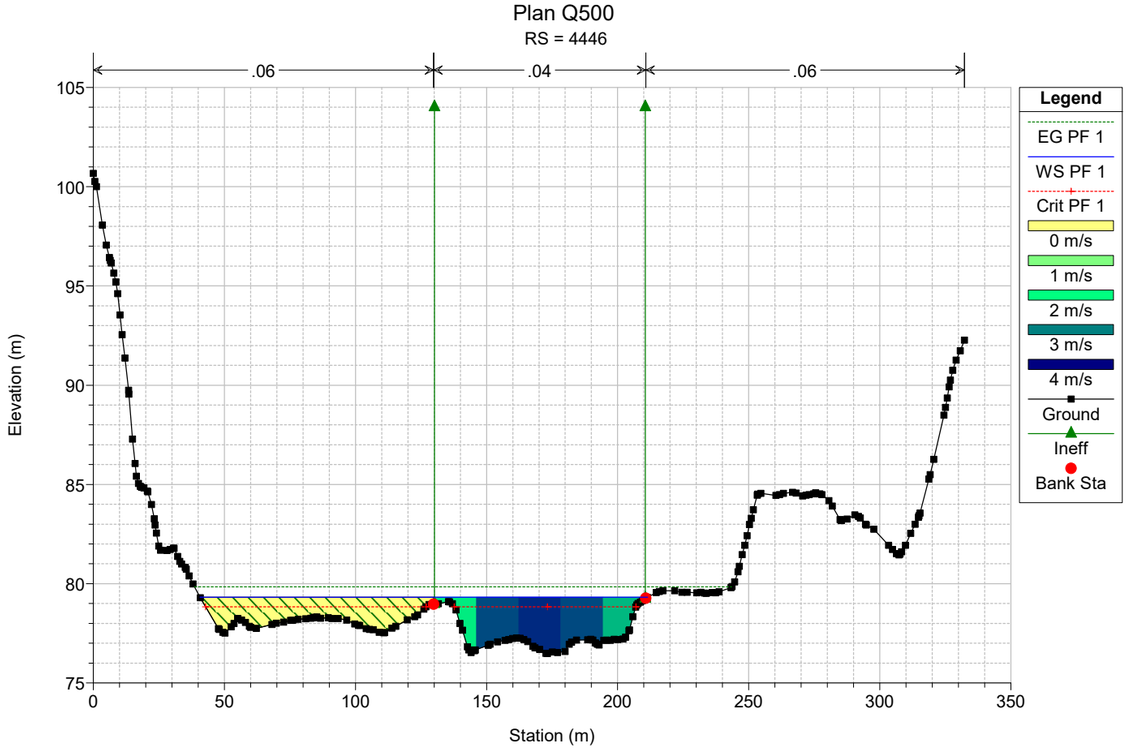

Plan Q500
RS = 4621
.06
.04
.06
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

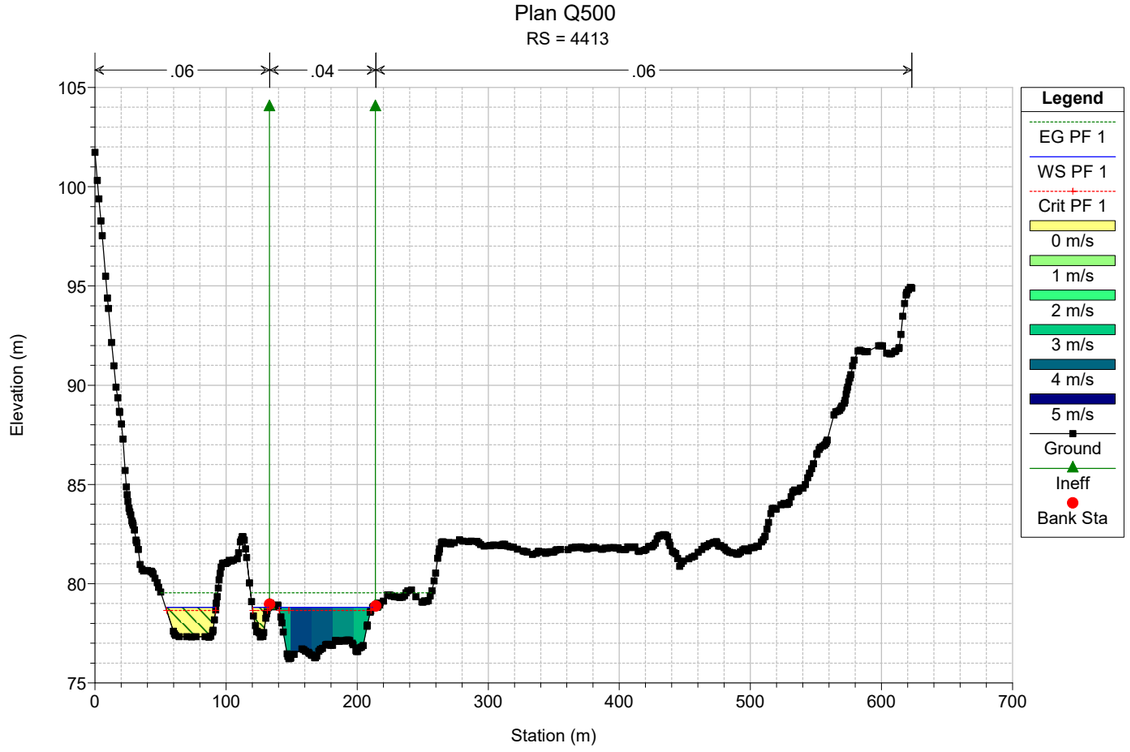

Plan Q500
RS = 4585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

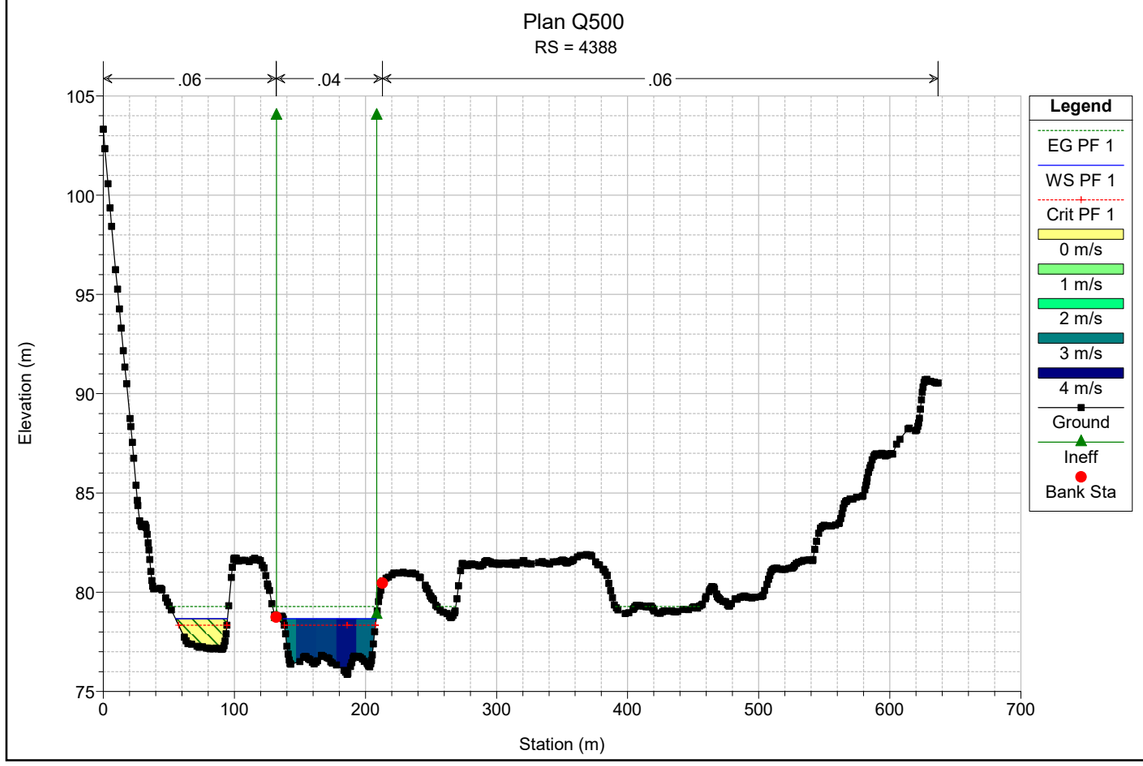

Plan Q500
RS = 4547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

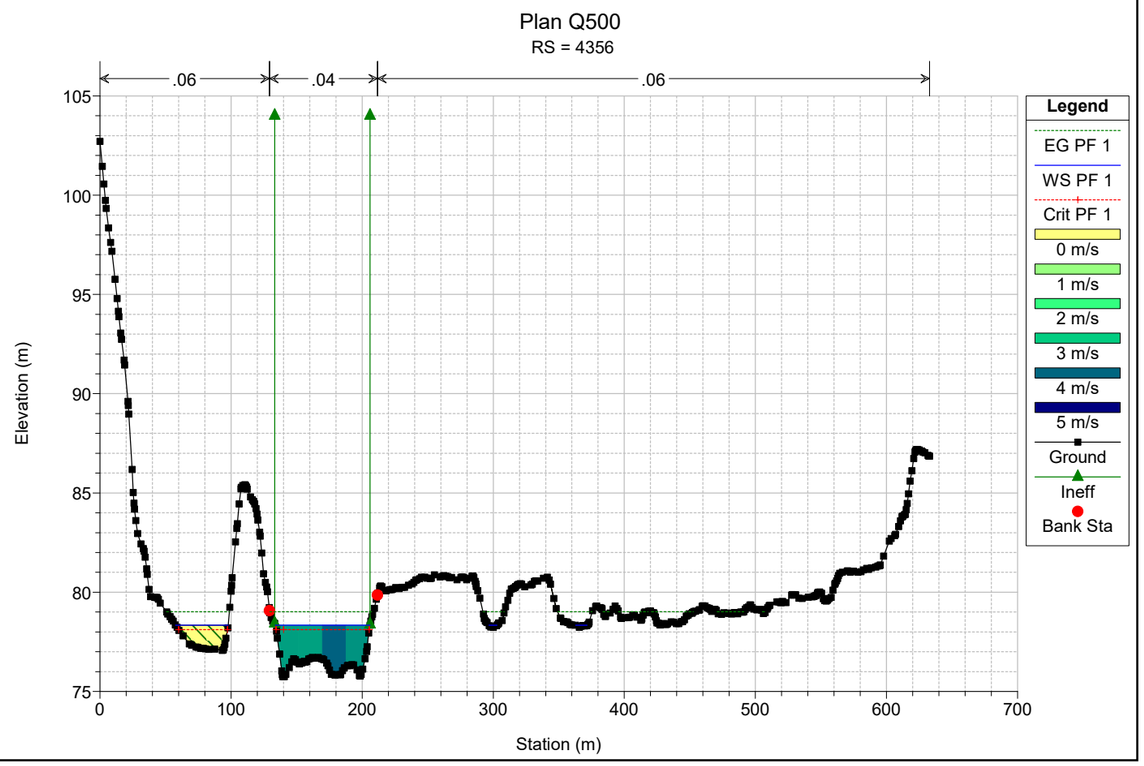

Plan Q500
RS = 4511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta

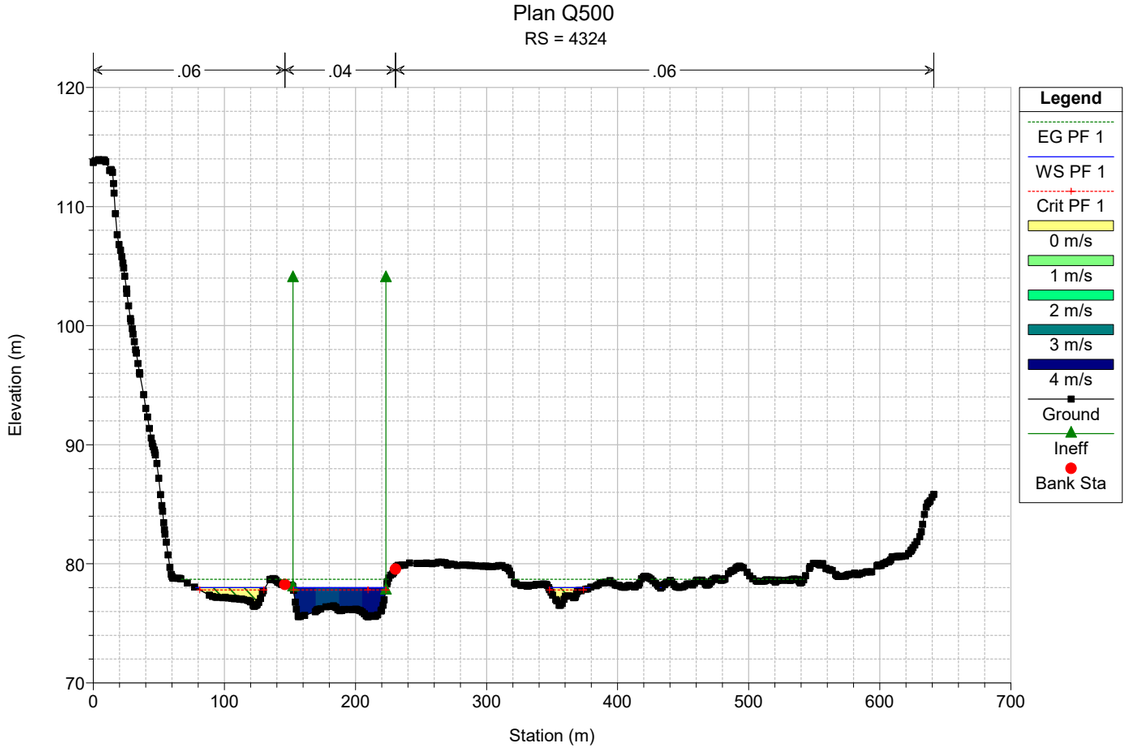

Plan Q500
RS = 4478
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

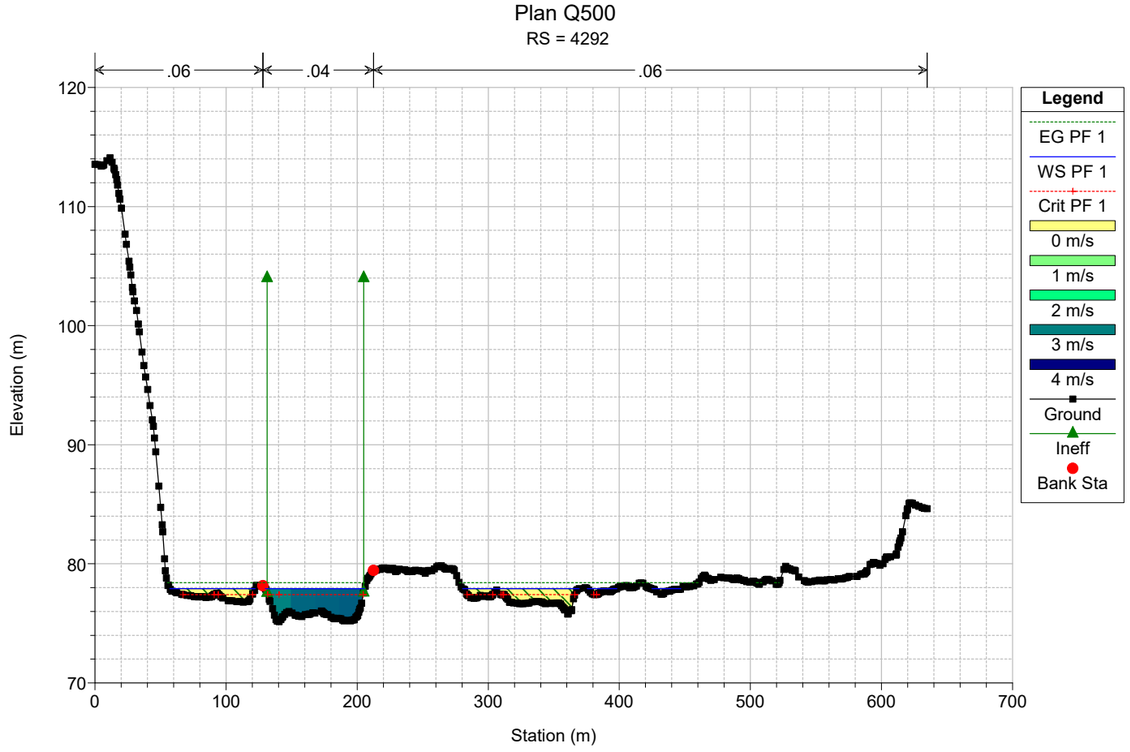

Plan Q500
RS = 4446
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

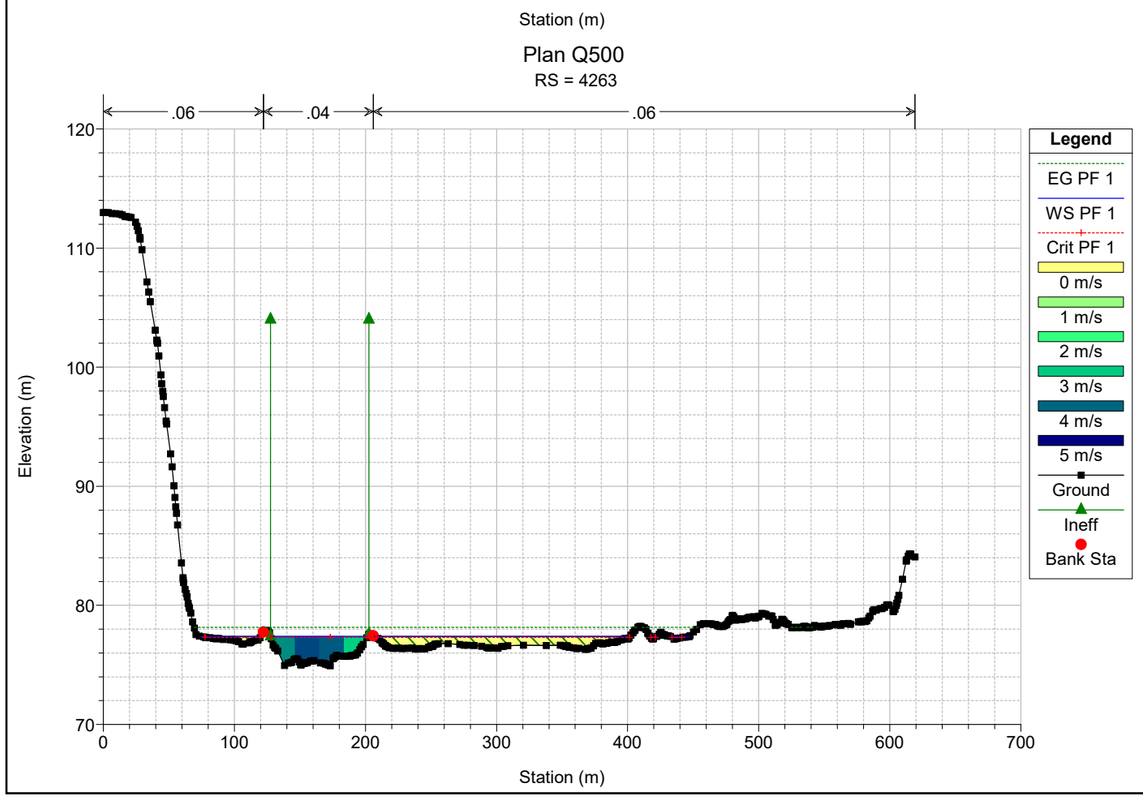

Plan Q500
RS = 4413
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

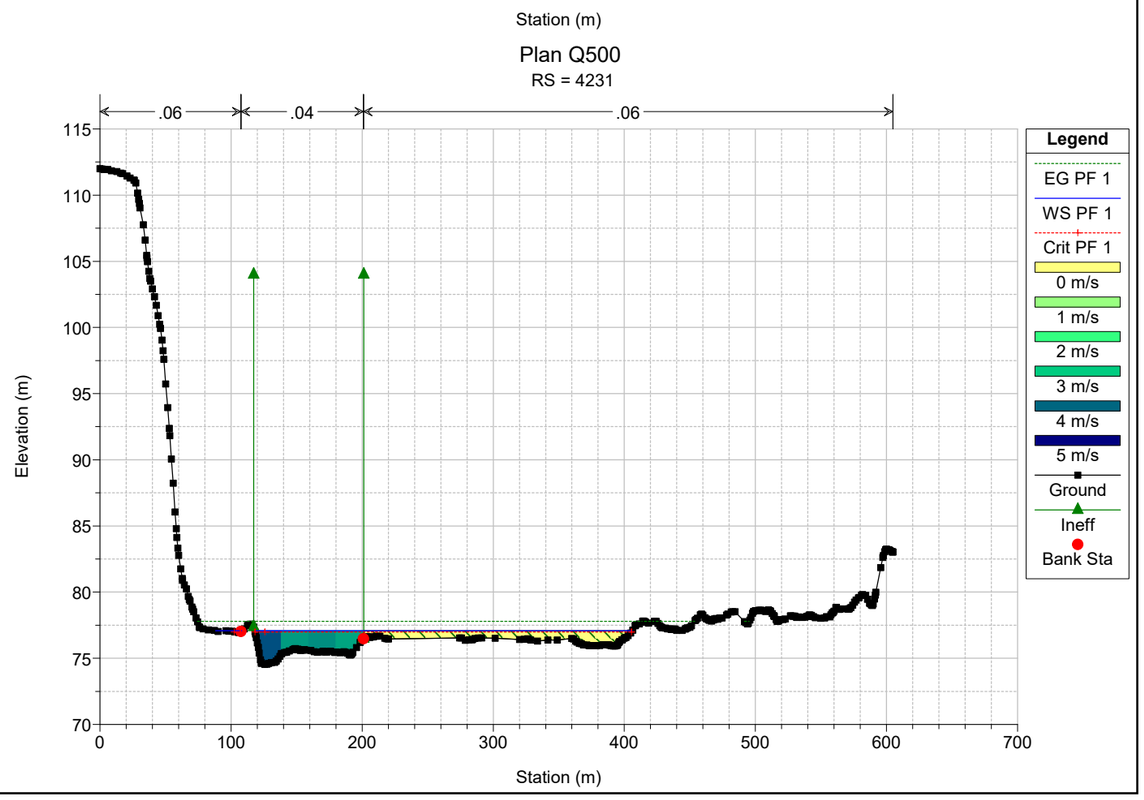

Plan Q500
RS = 4388
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

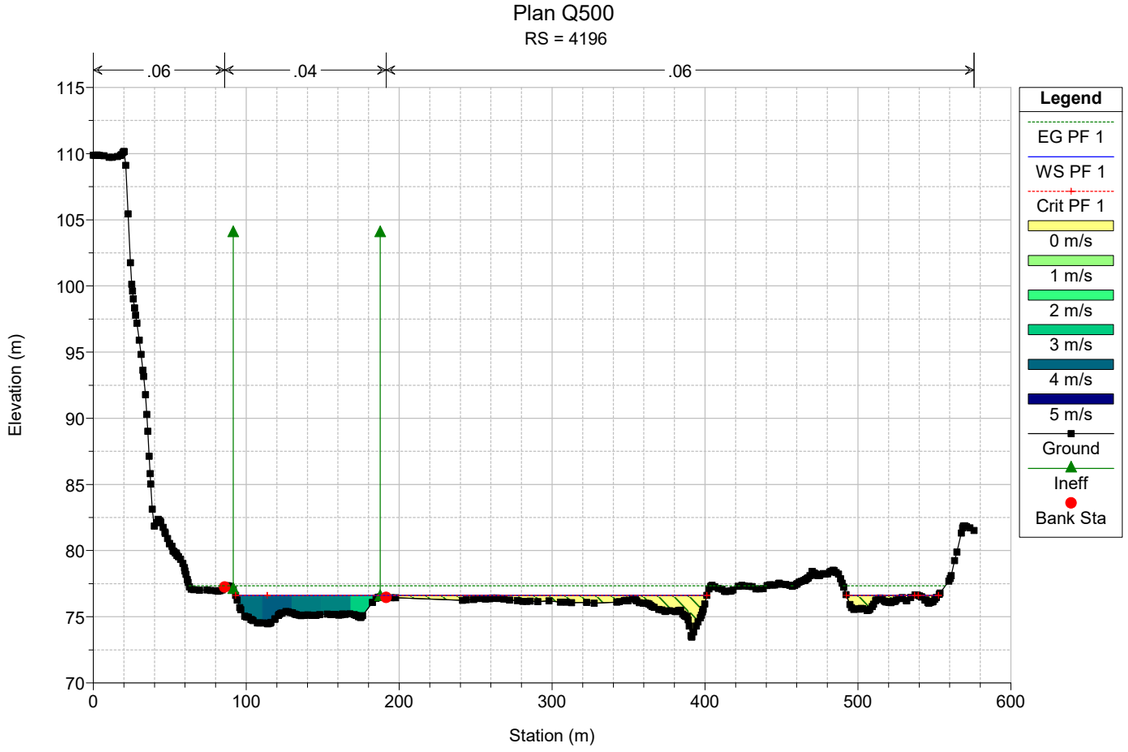

Plan Q500
RS = 4356
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

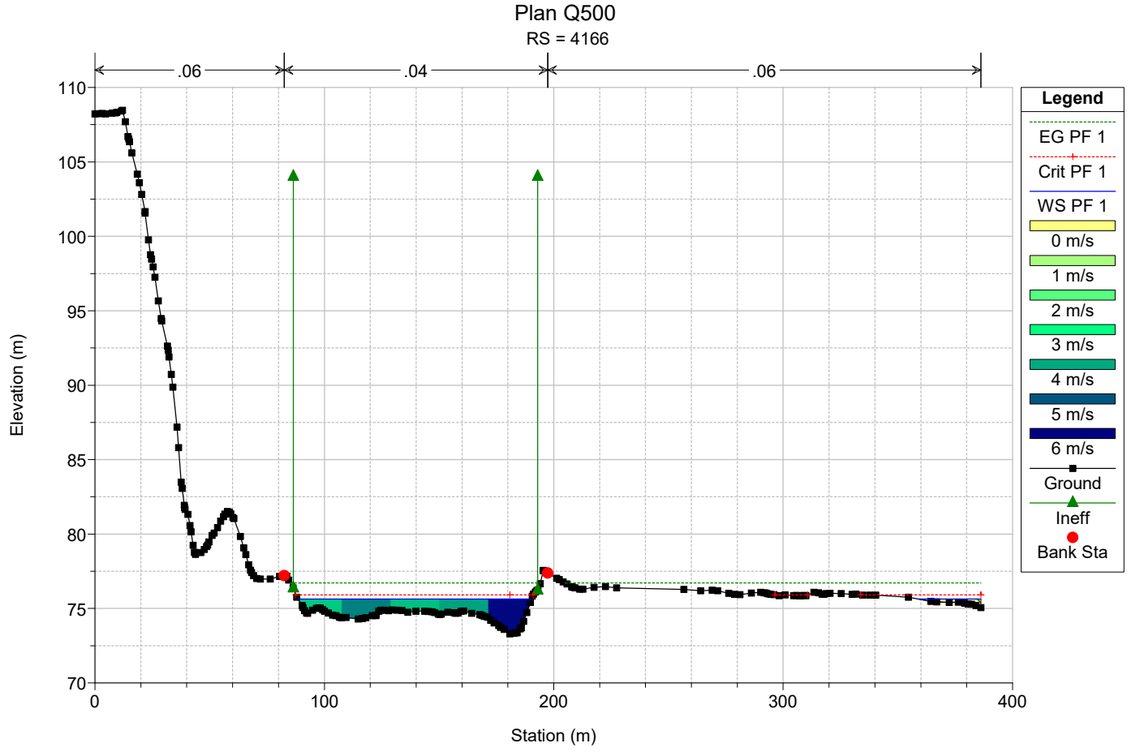

Plan Q500
RS = 4324
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

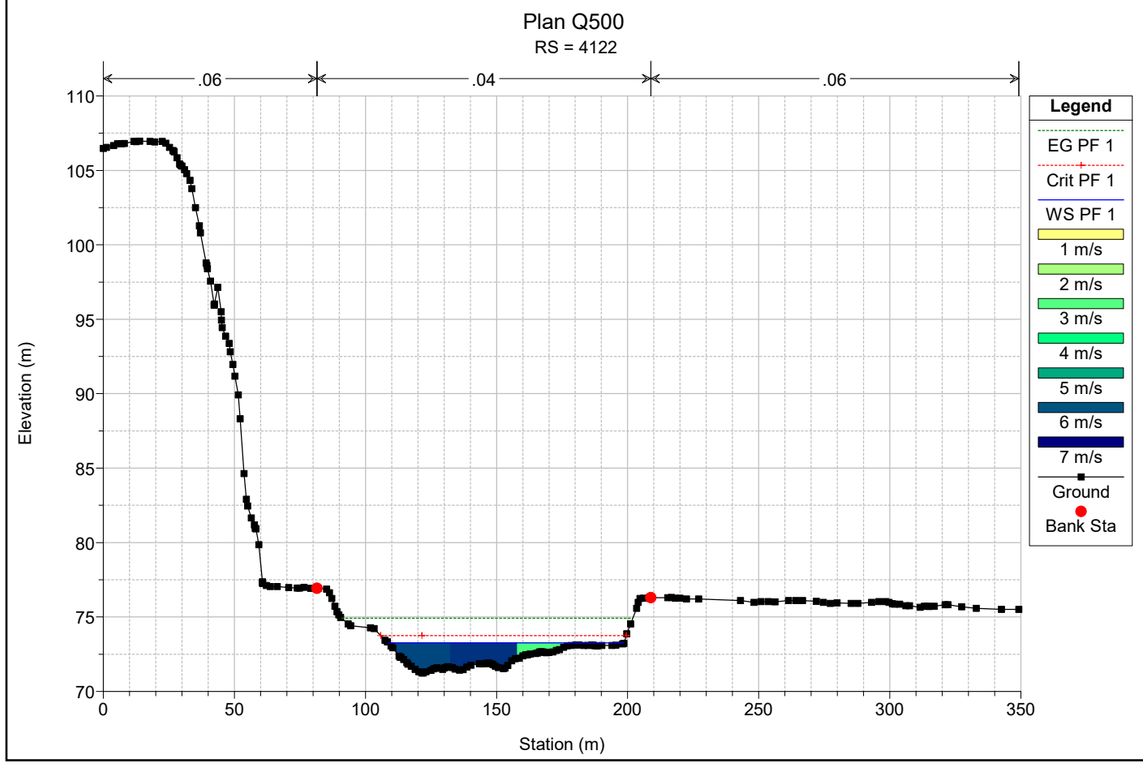

Plan Q500
RS = 4292
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

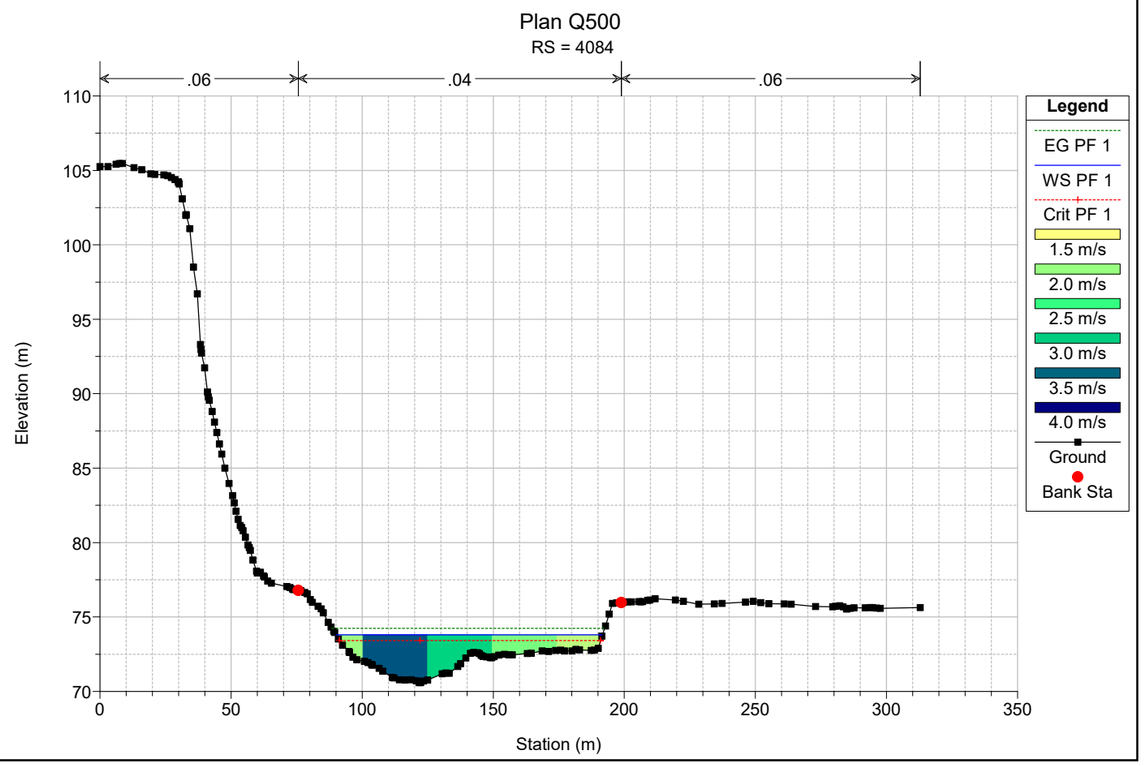

Plan Q500
RS = 4263
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

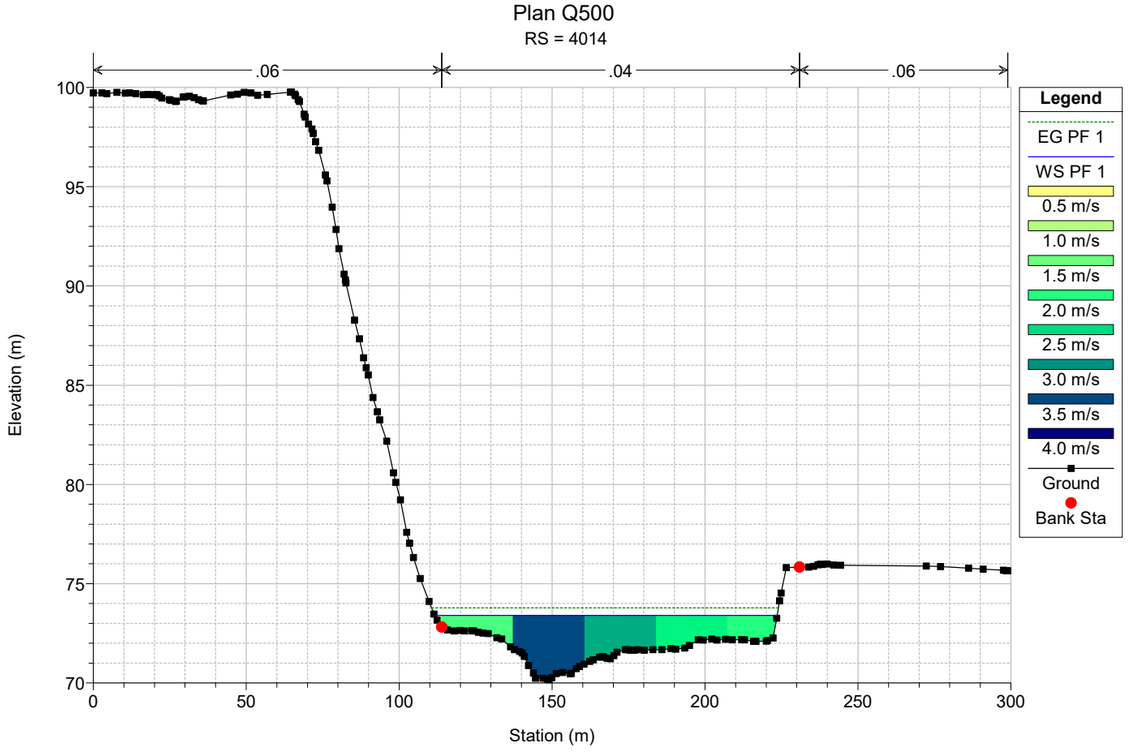

Plan Q500
RS = 4231
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

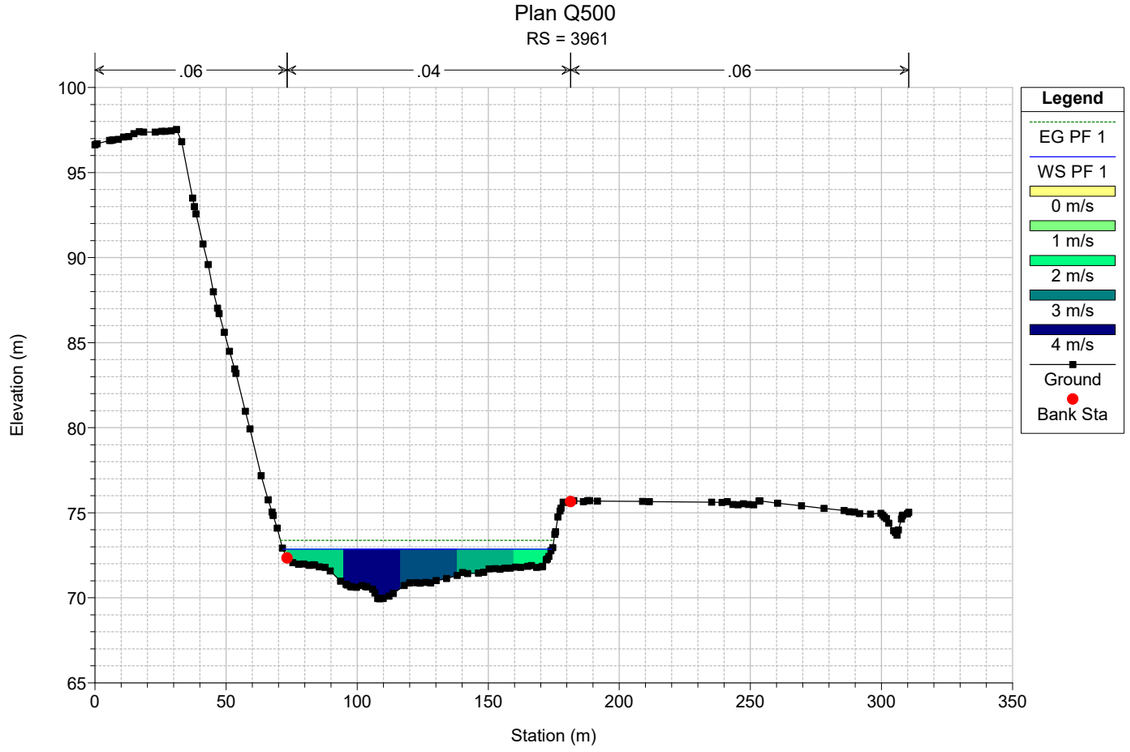

Plan Q500
RS = 4196
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

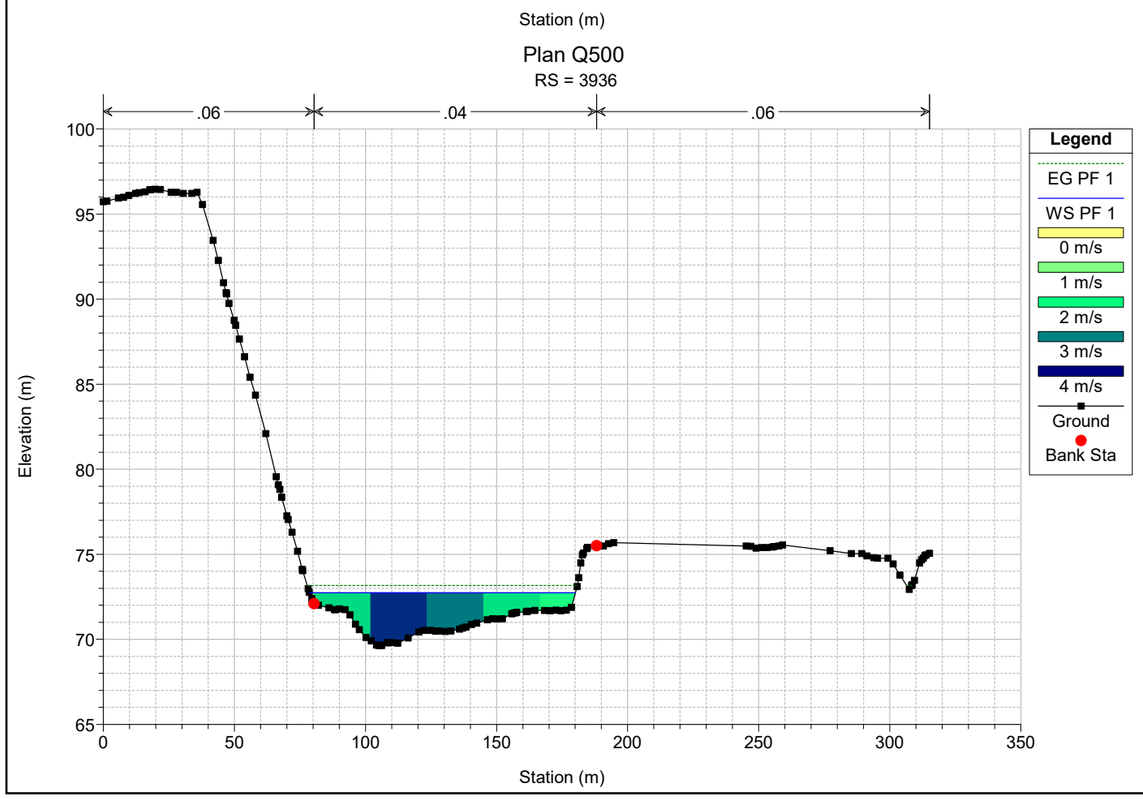

Plan Q500
RS = 4166
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

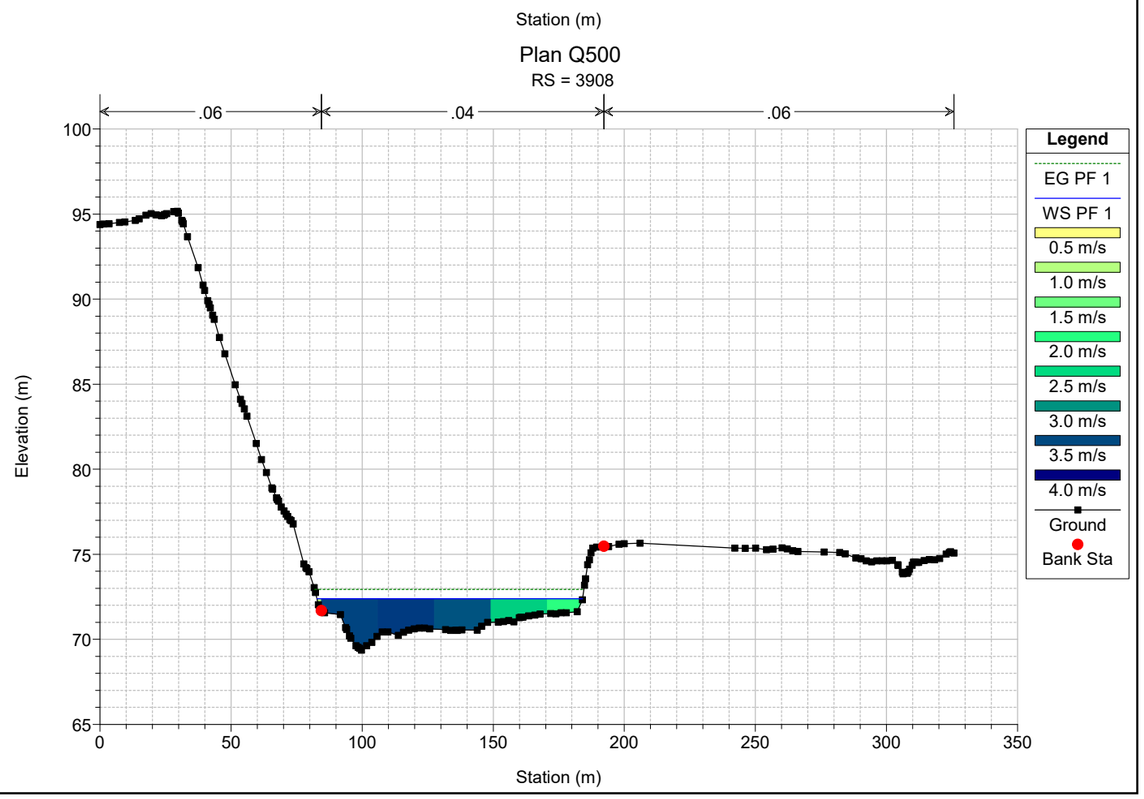

Plan Q500
RS = 4122
.06
.04
.06
Legend
EG PF 1
Crit PF 1
WS PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

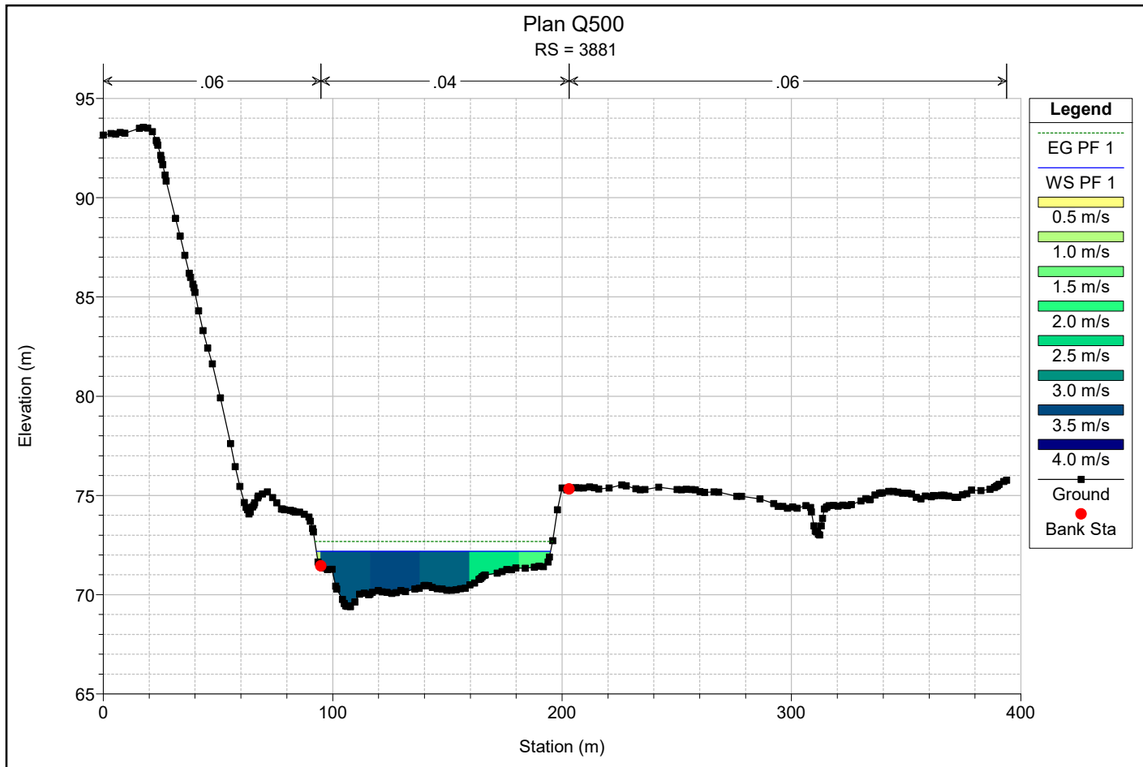

Plan Q500
RS = 4084
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

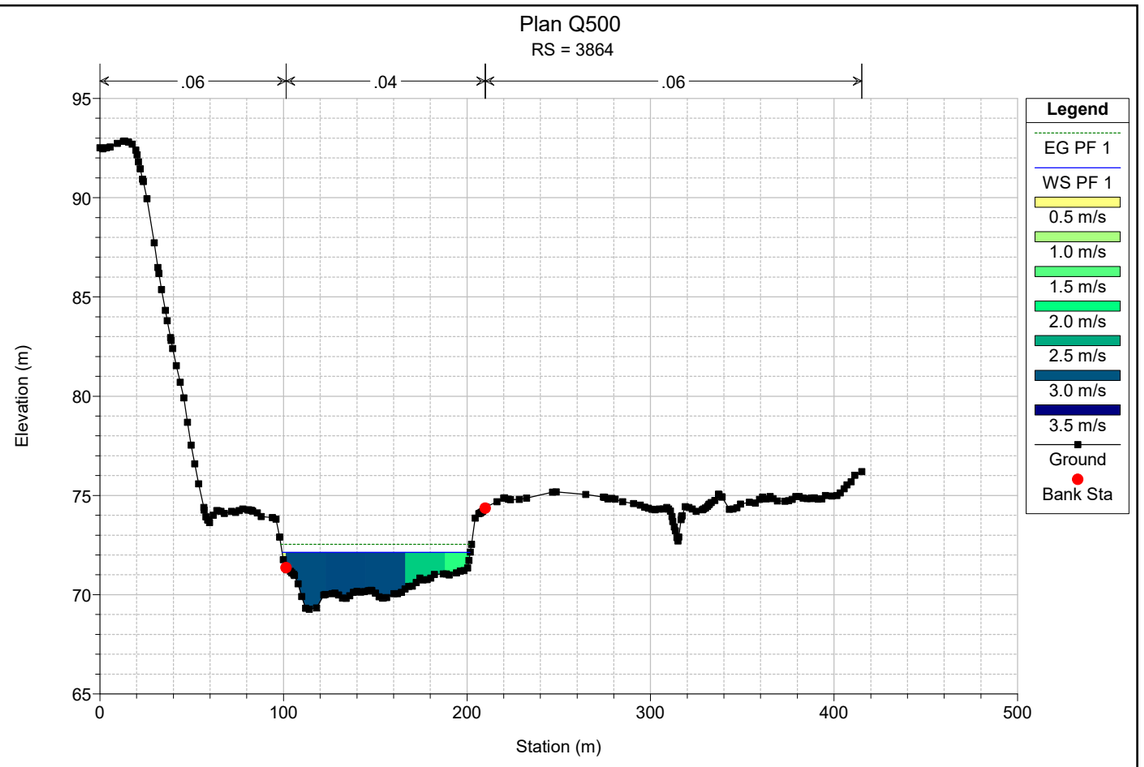

Plan Q500
RS = 4014
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

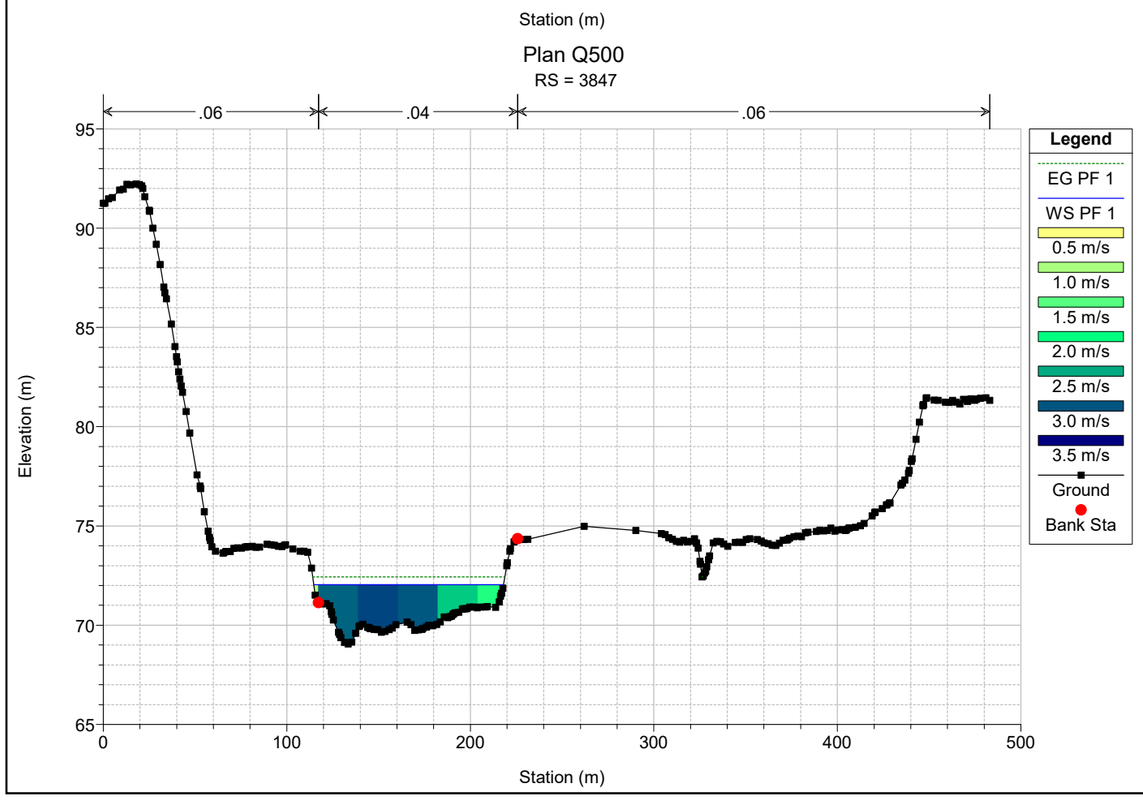

Plan Q500
RS = 3961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

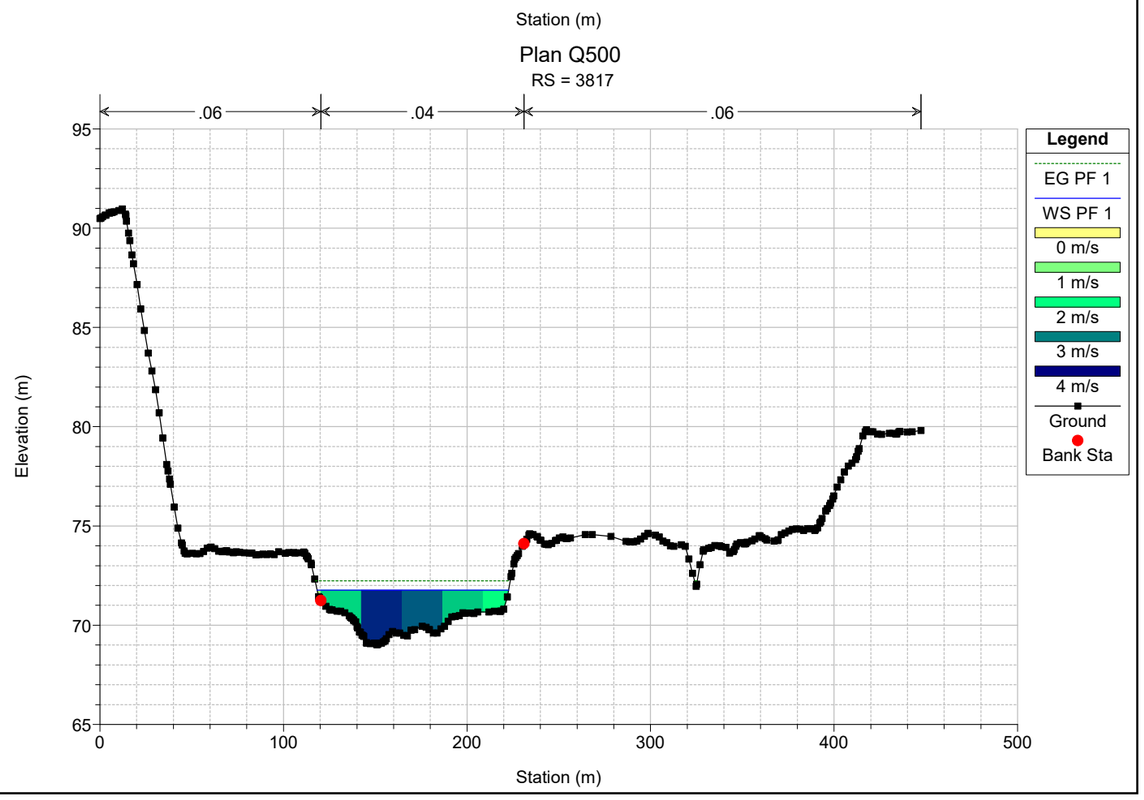

Plan Q500
RS = 3936
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta

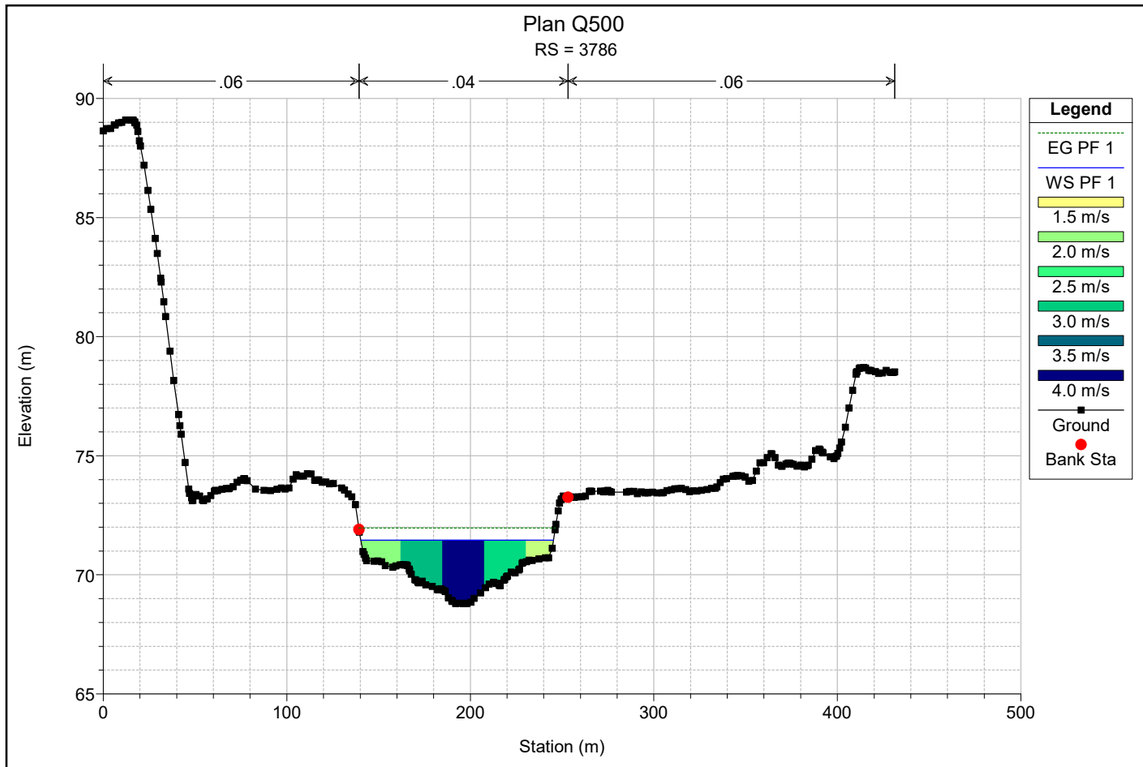

Plan Q500
RS = 3908
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

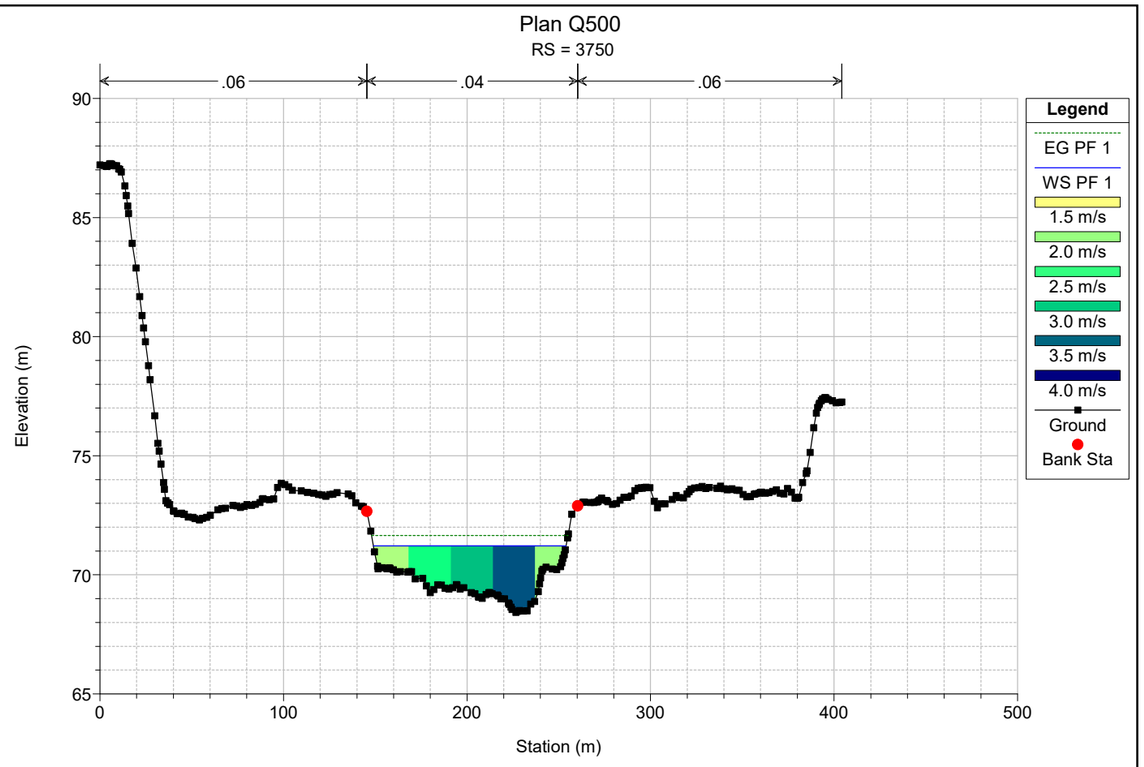

Plan Q500
RS = 3881
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

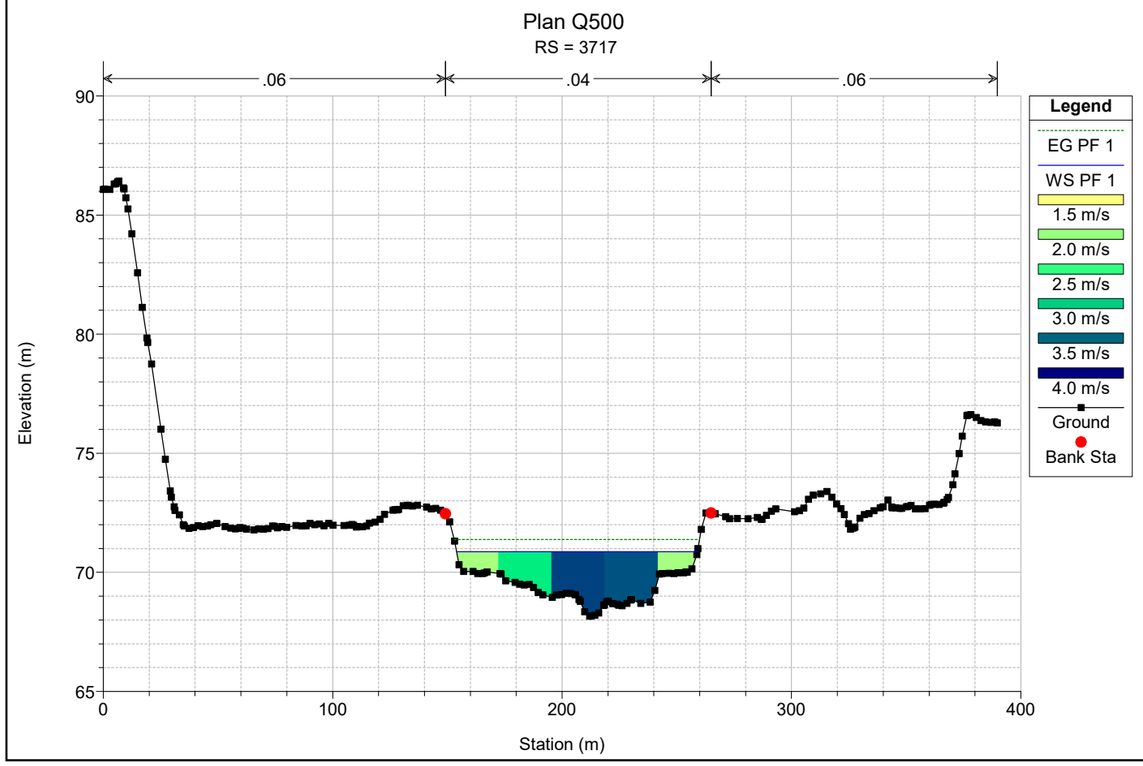

Plan Q500
RS = 3864
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

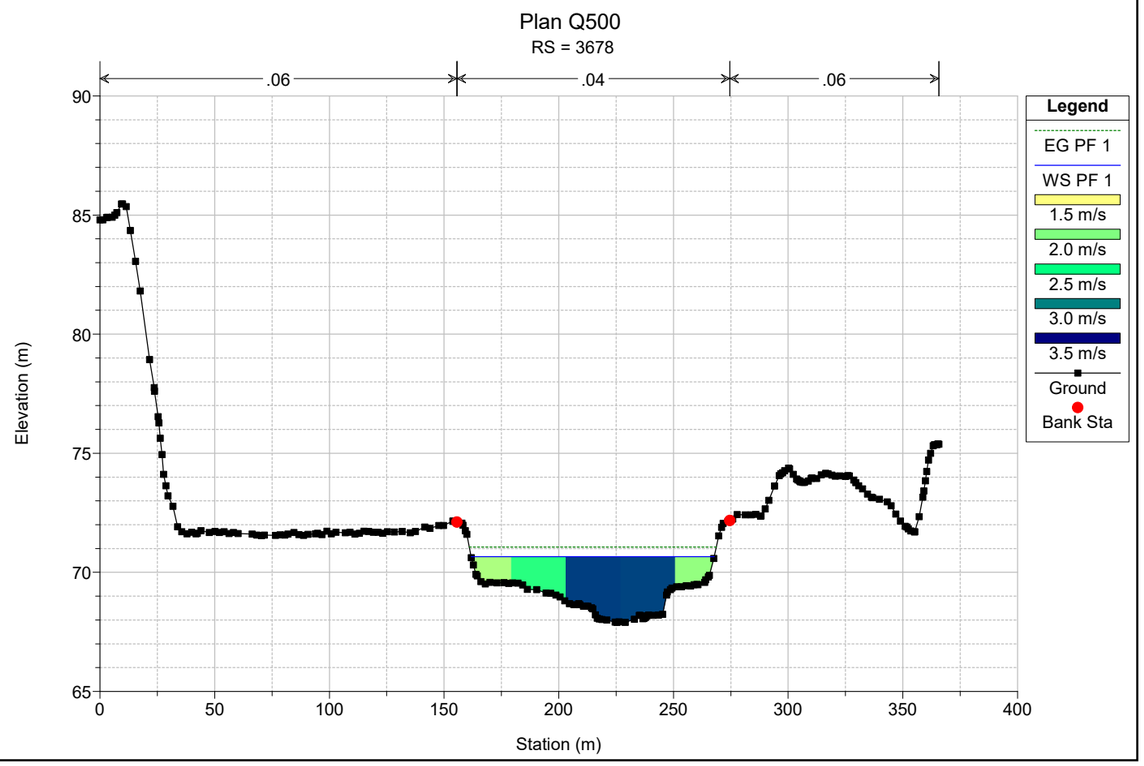

Plan Q500
RS = 3847
.06
.04
.06
Legend
EG PF 1
WS PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

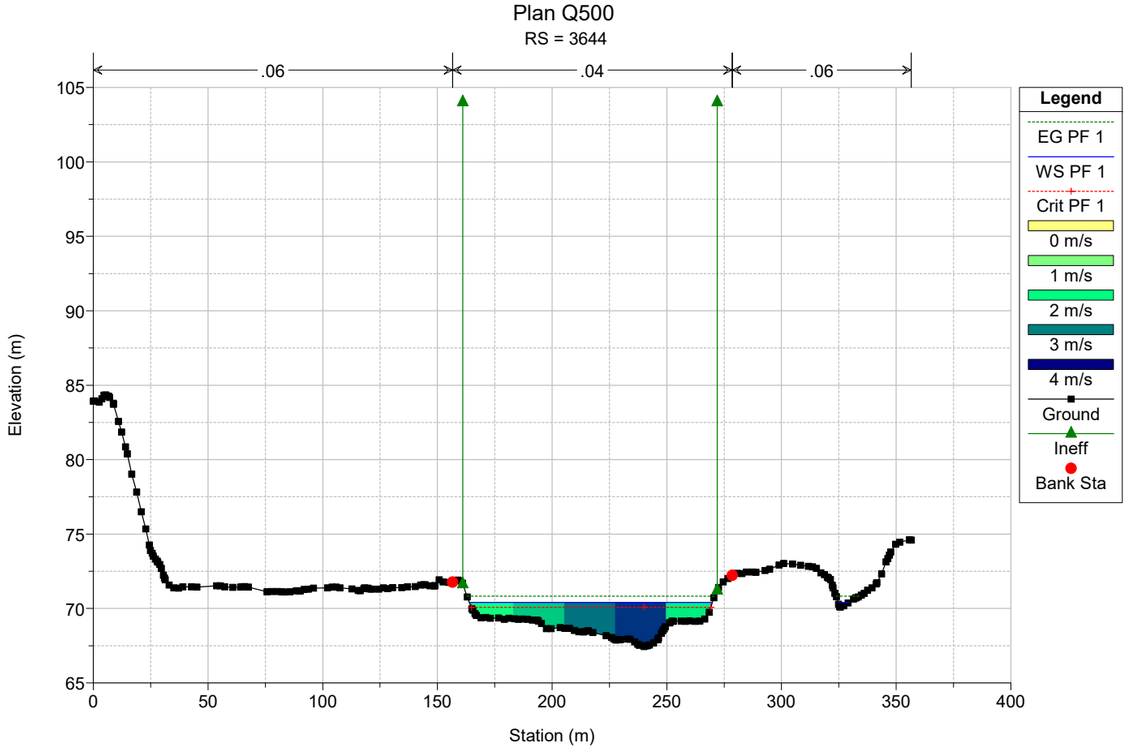

Plan Q500
RS = 3817
.06
.04
.06
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

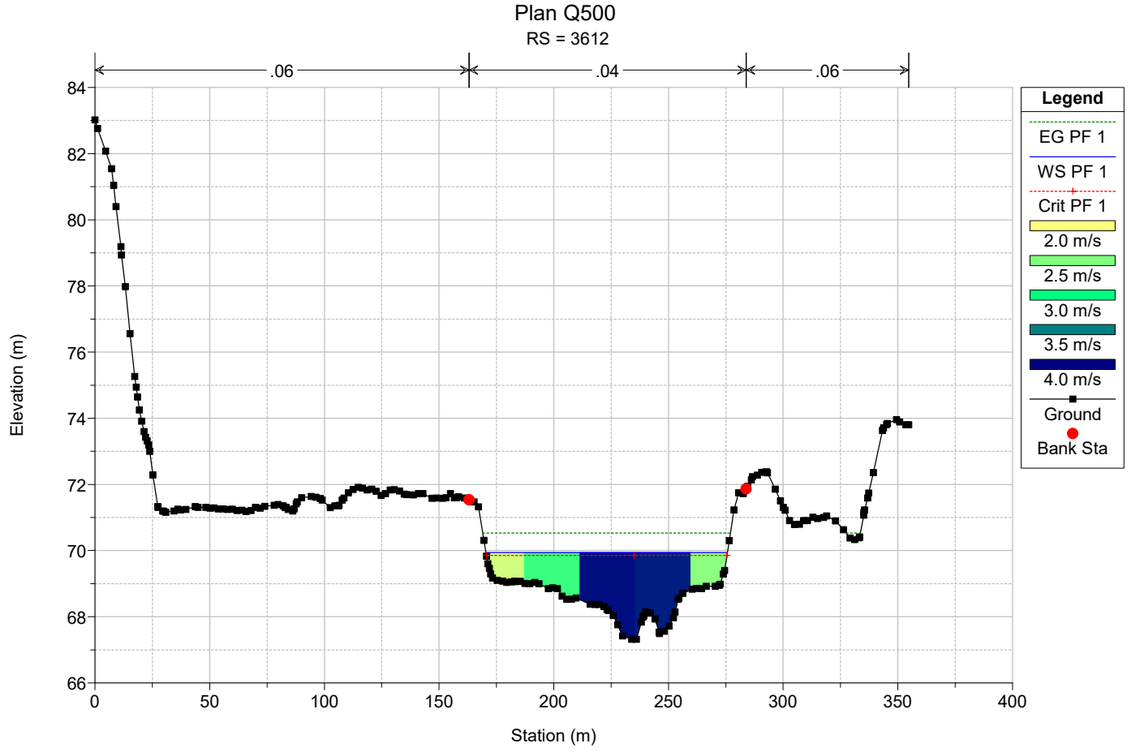

Plan Q500
RS = 3786
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

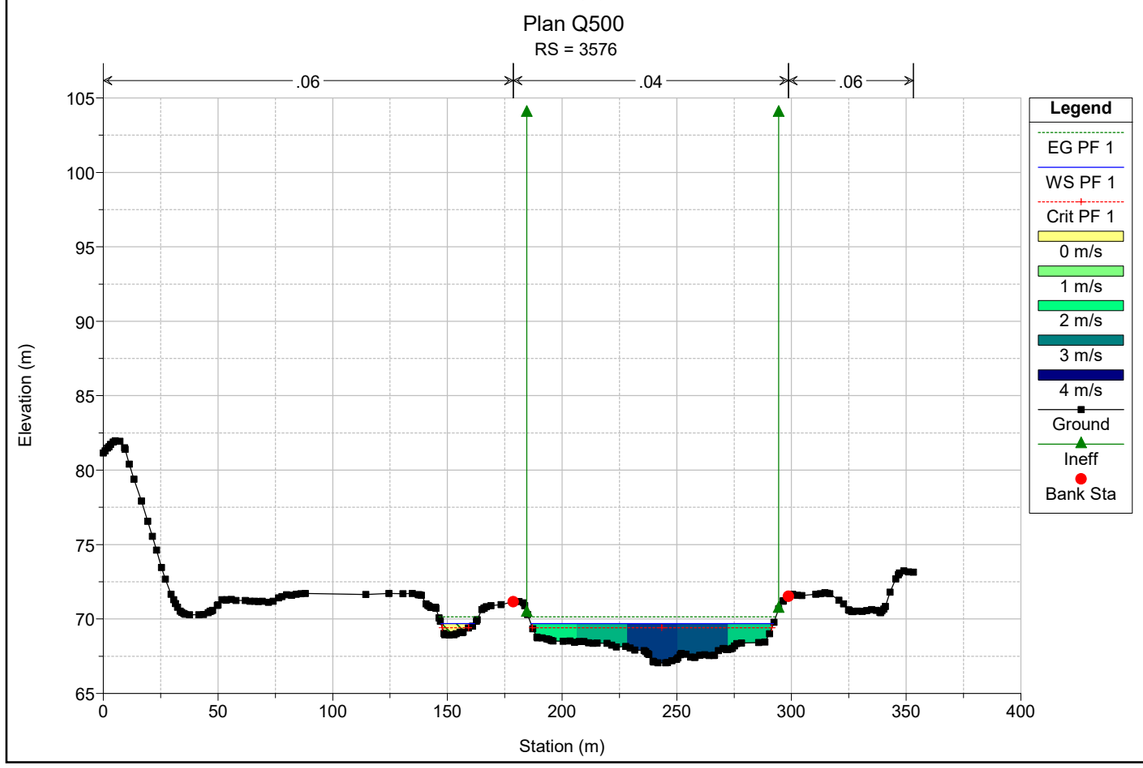

Plan Q500
RS = 3750
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

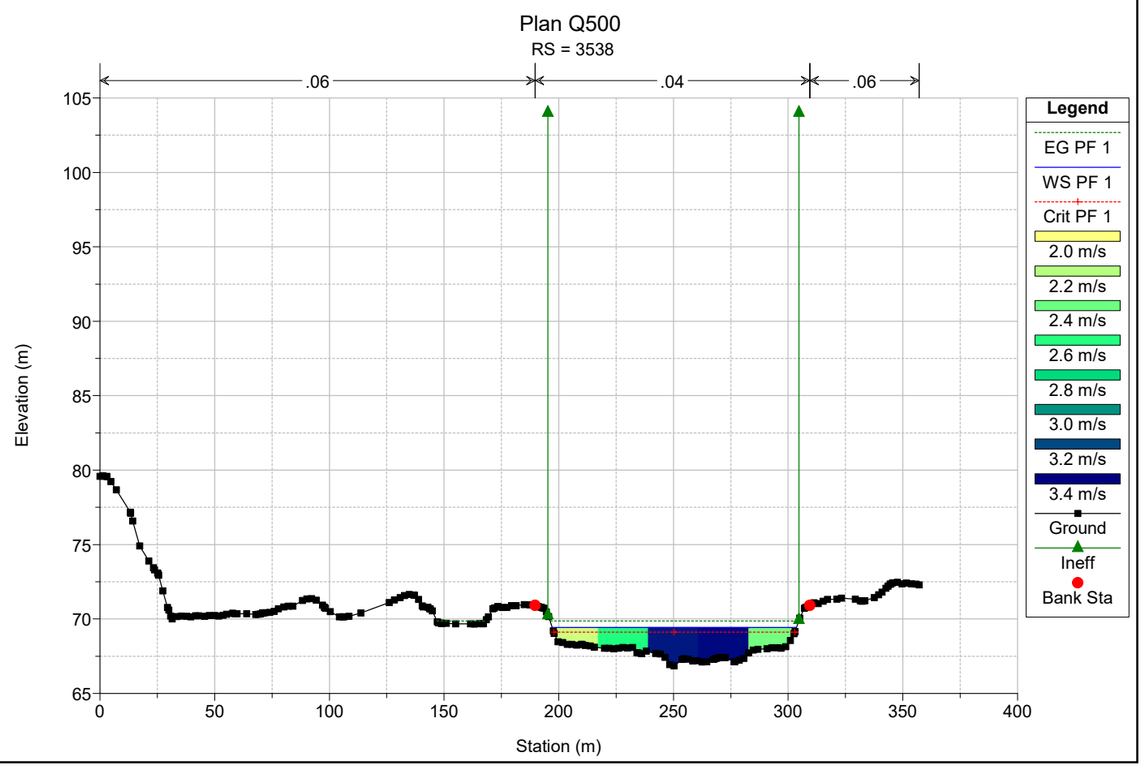

Plan Q500
RS = 3717
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

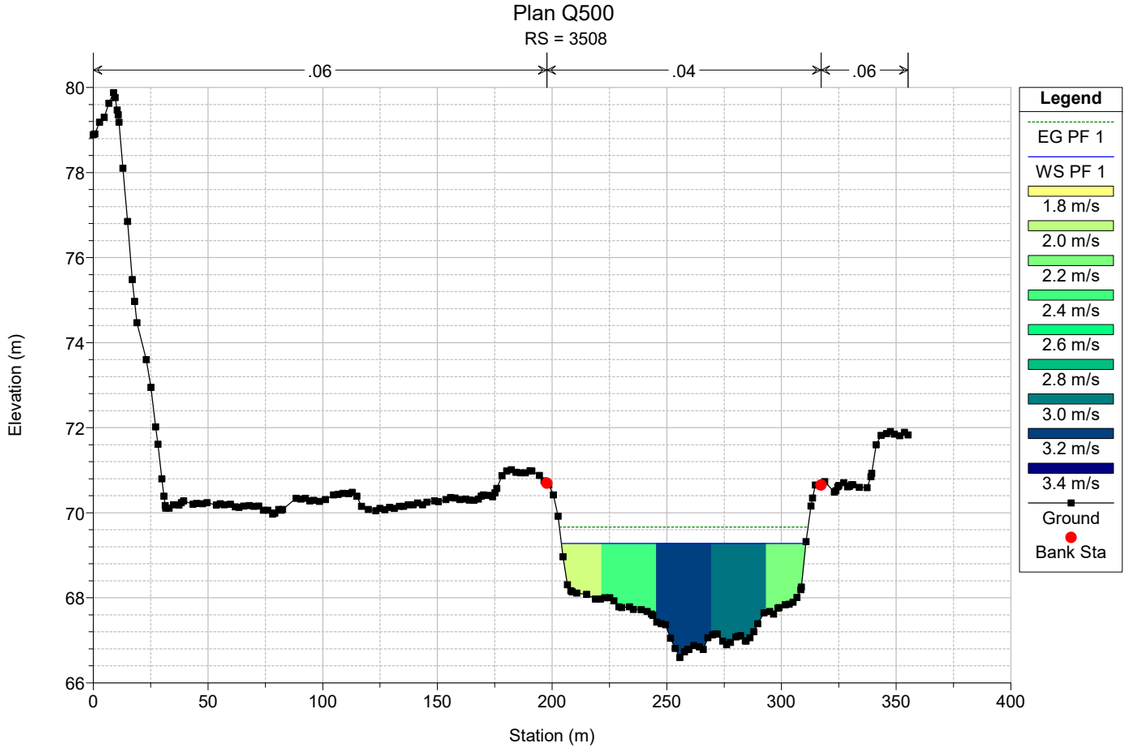

Plan Q500
RS = 3678
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

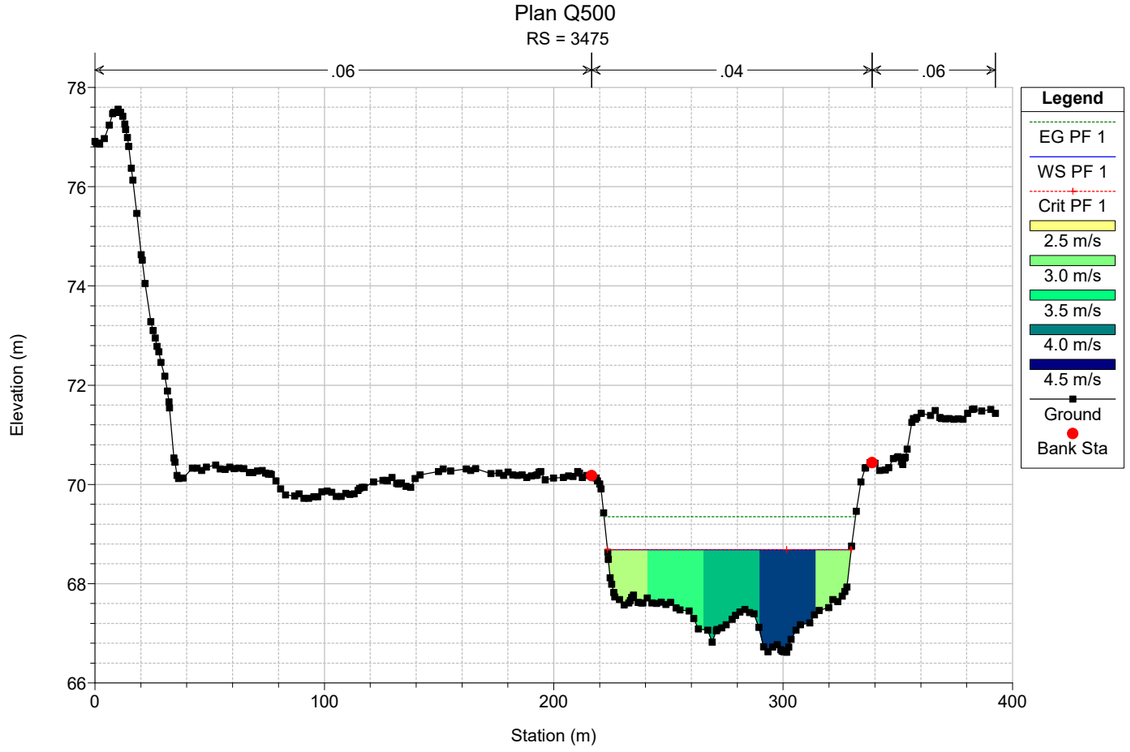

Plan Q500
RS = 3644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

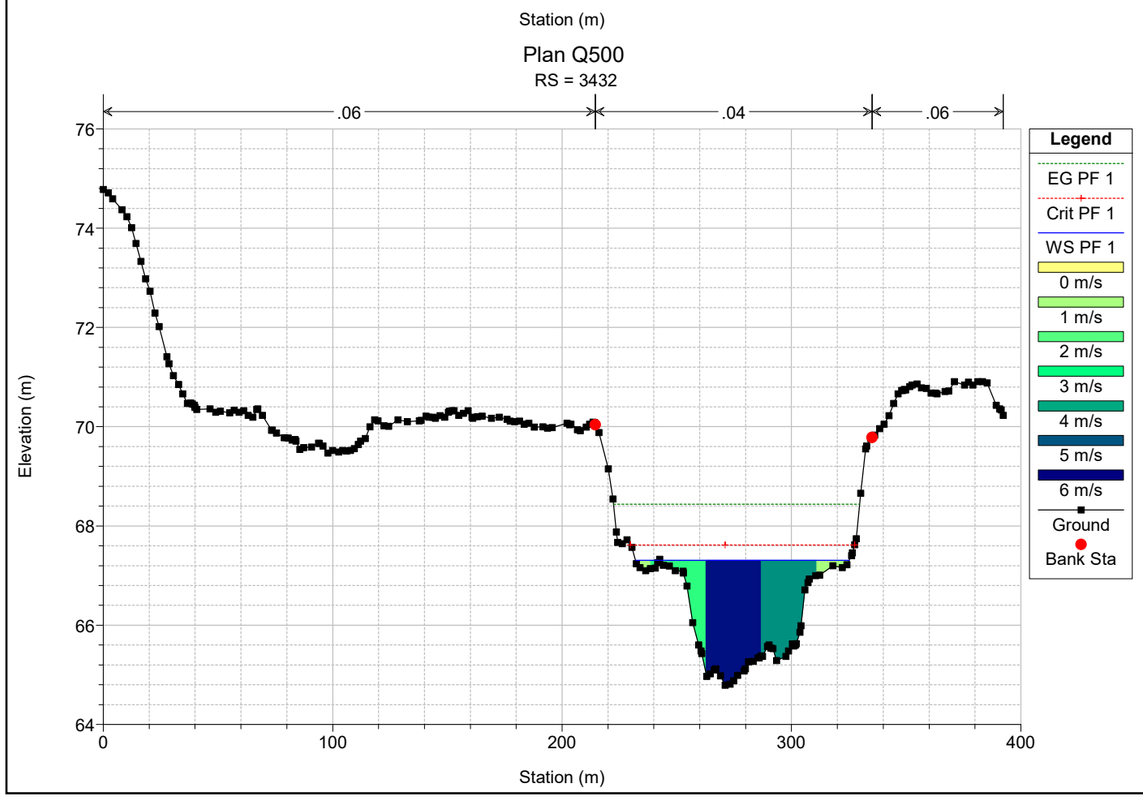

Plan Q500
RS = 3612
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

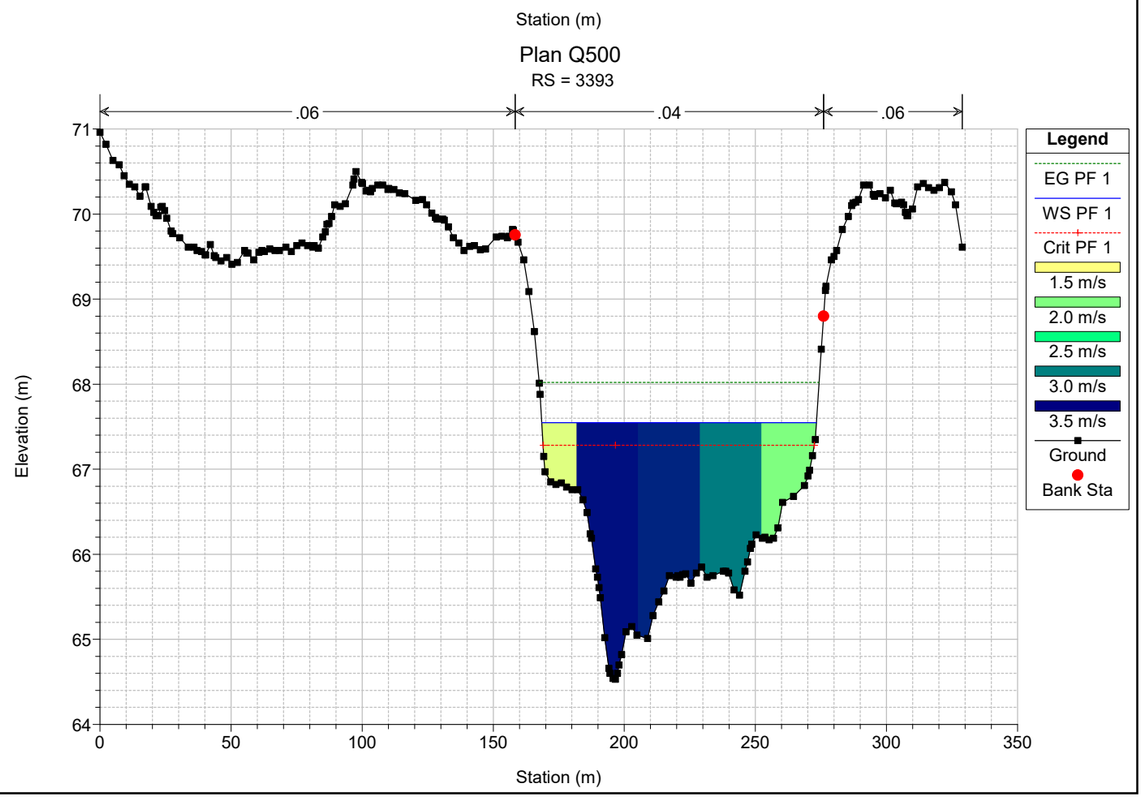

Plan Q500
RS = 3576
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

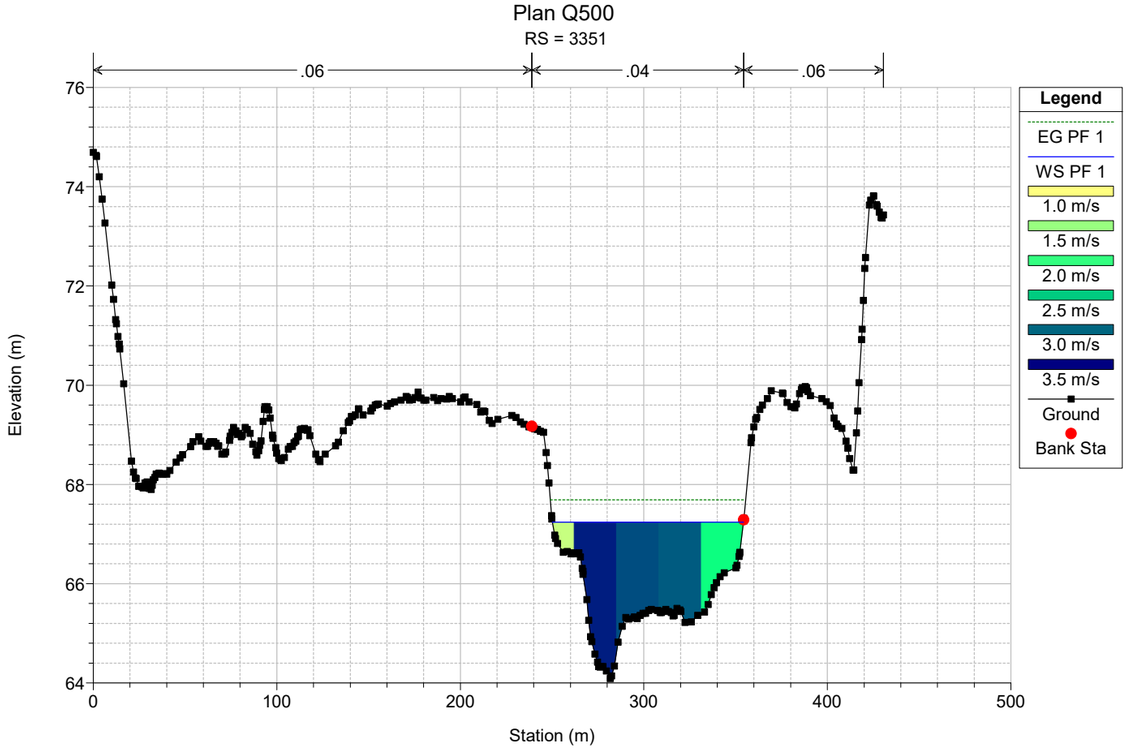

Plan Q500
RS = 3538
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
Ground
Ineff
Bank Sta

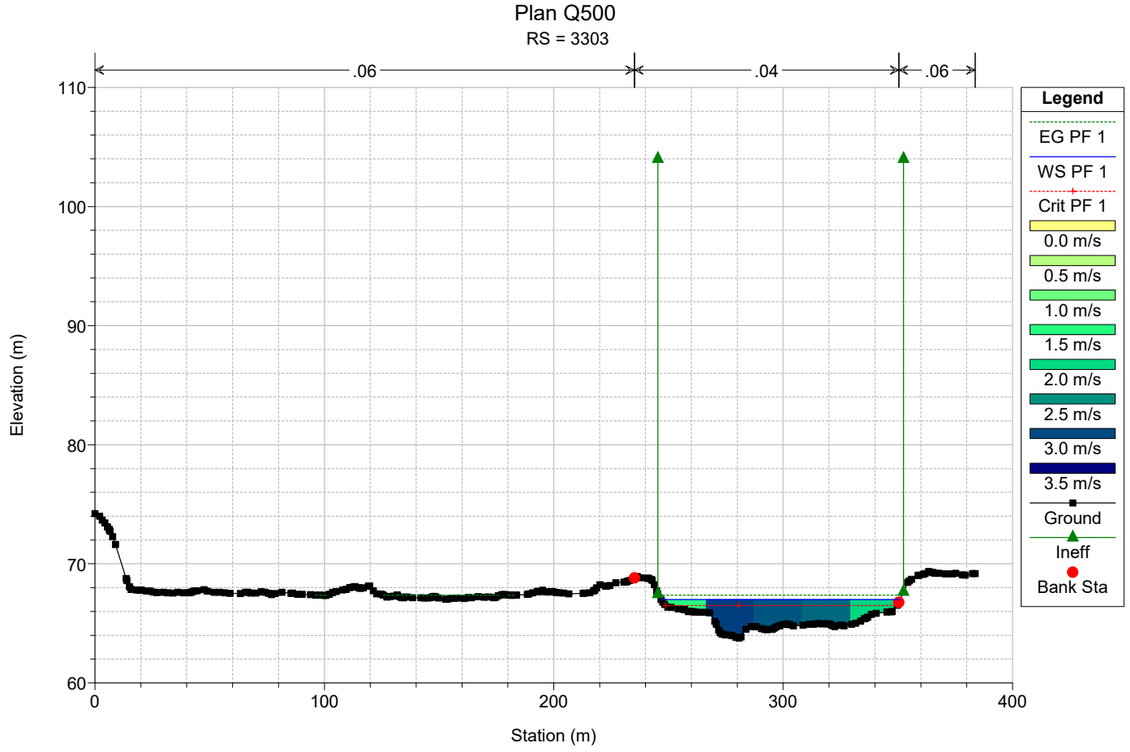

Plan Q500
RS = 3508
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
Ground
Bank Sta

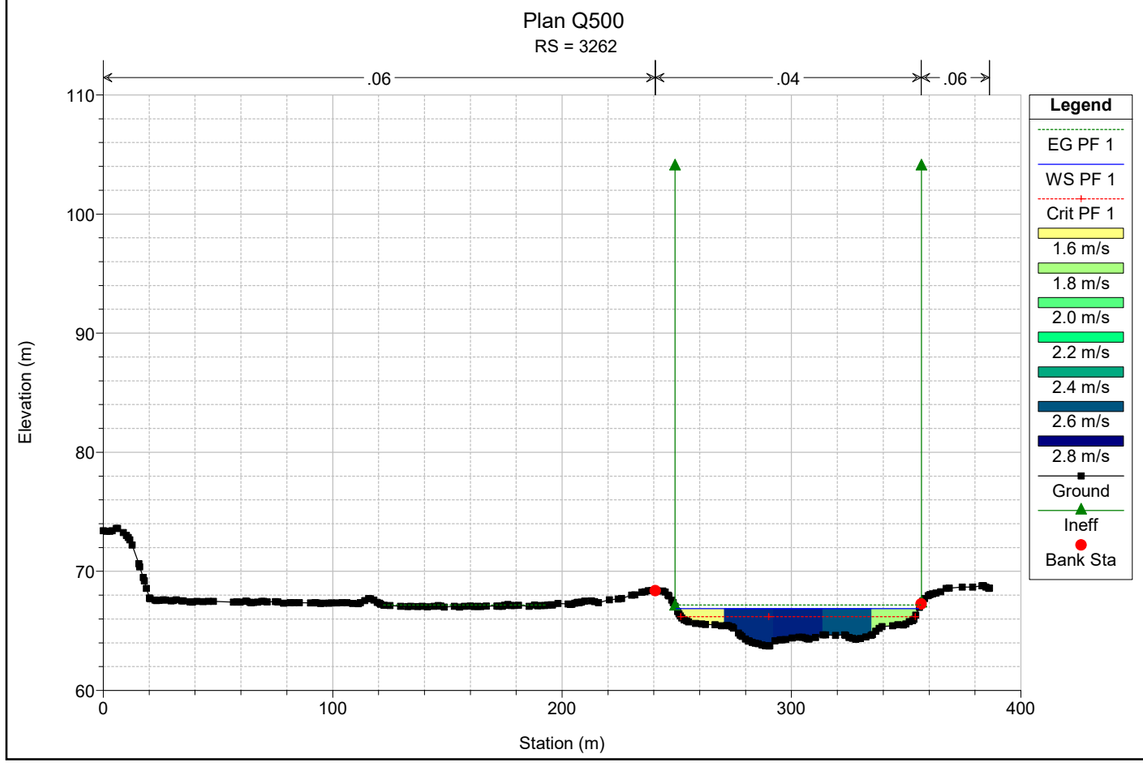

Plan Q500
RS = 3475
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta

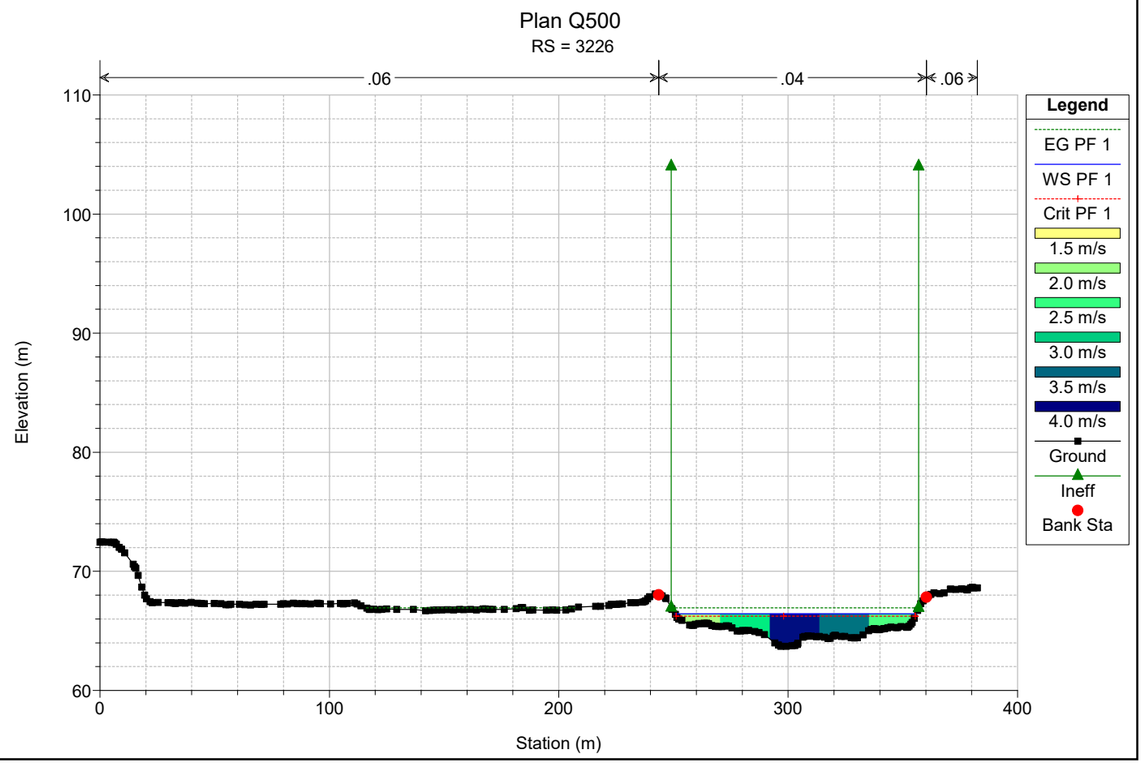

Plan Q500
RS = 3432
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Bank Sta

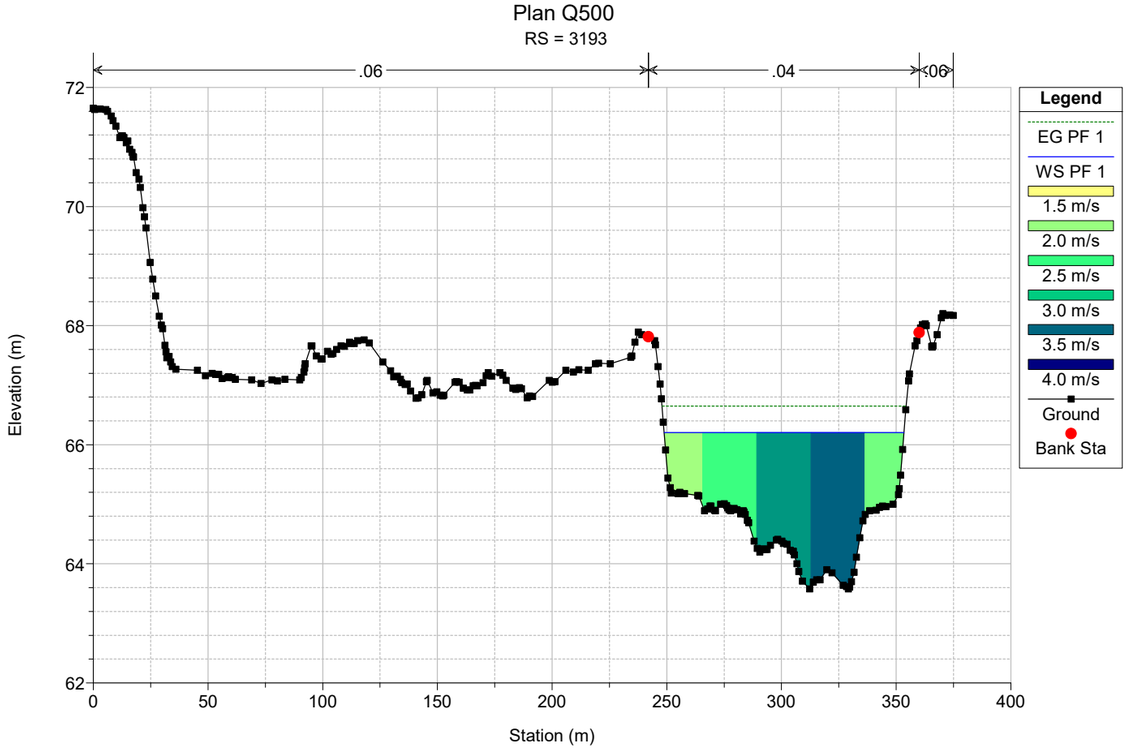

Plan Q500
RS = 3393
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

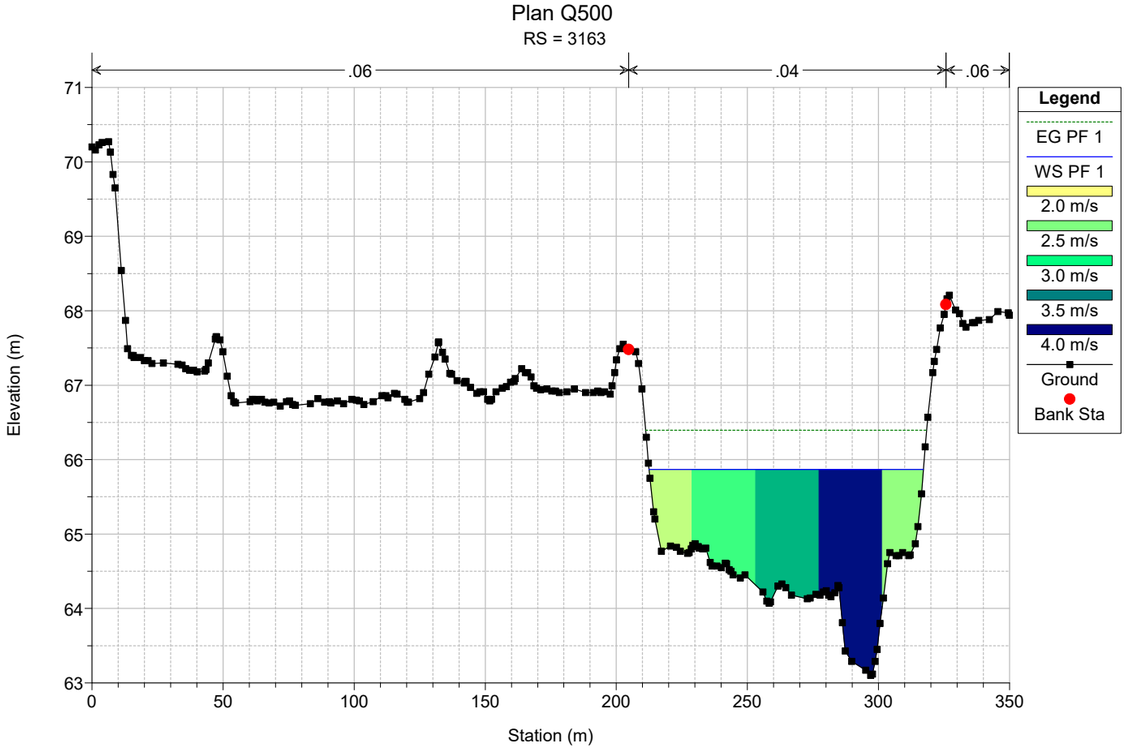

Plan Q500
RS = 3351
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

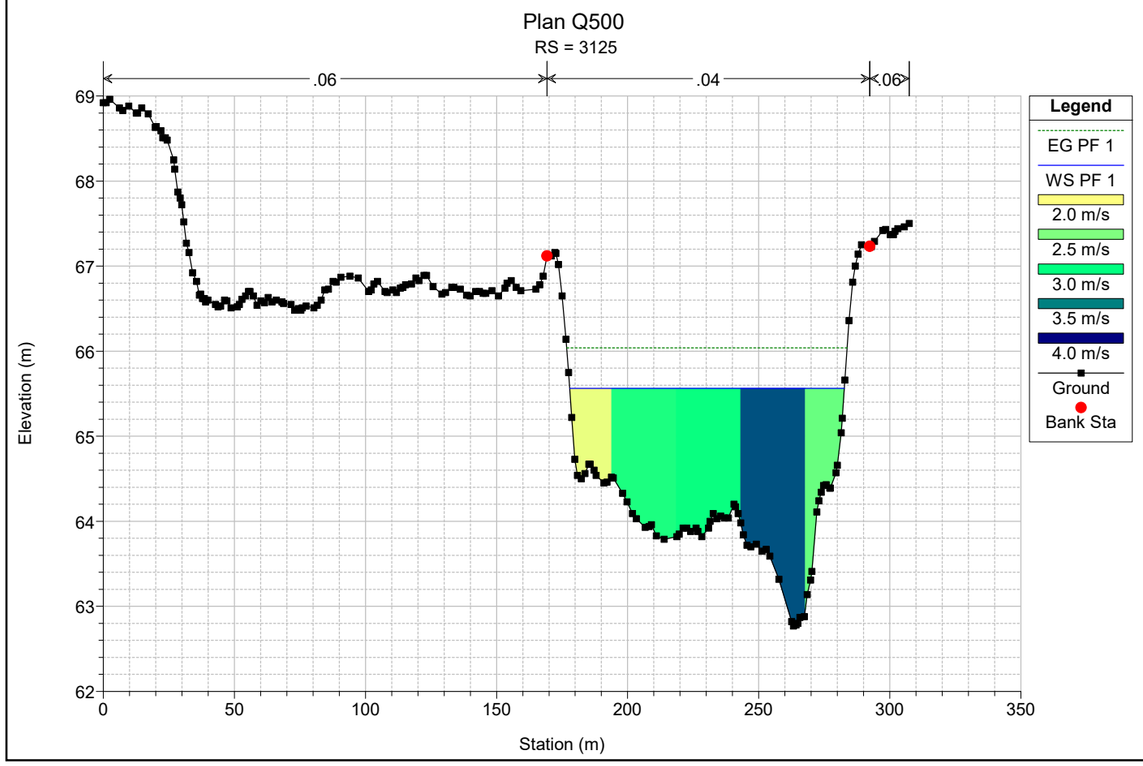

Plan Q500
RS = 3303
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

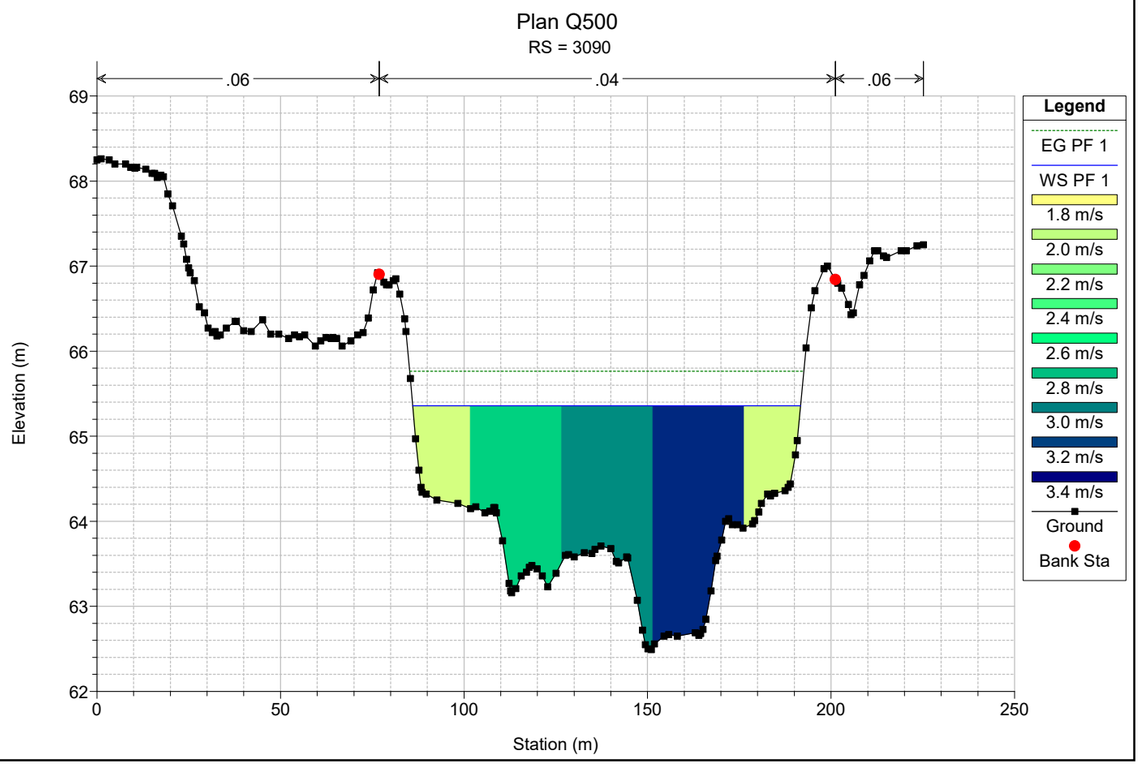

Plan Q500
RS = 3262
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.6 m/s
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
Ground
Ineff
Bank Sta

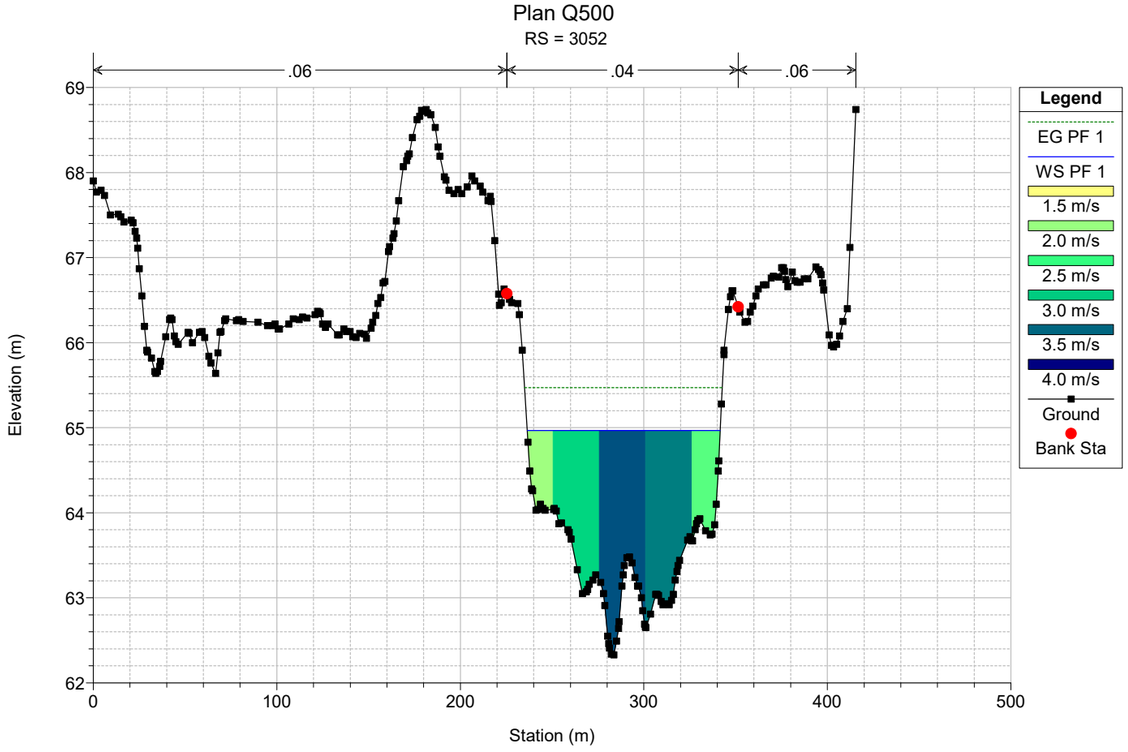

Plan Q500
RS = 3226
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

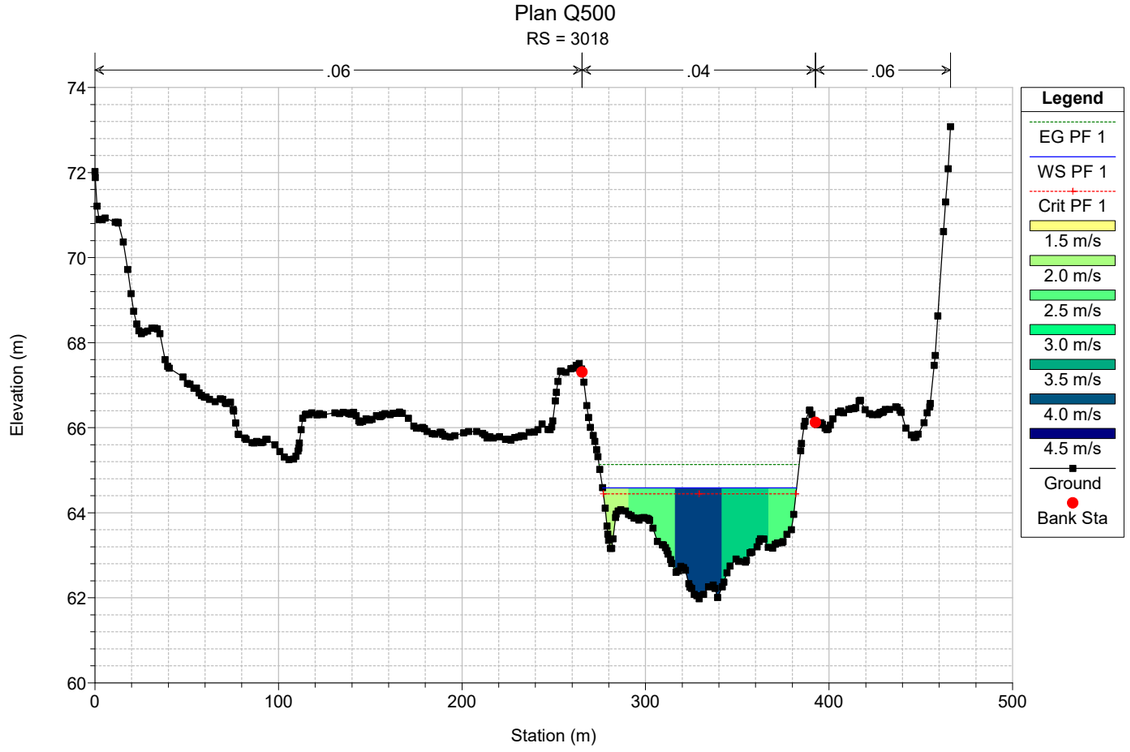

Plan Q500
RS = 3193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

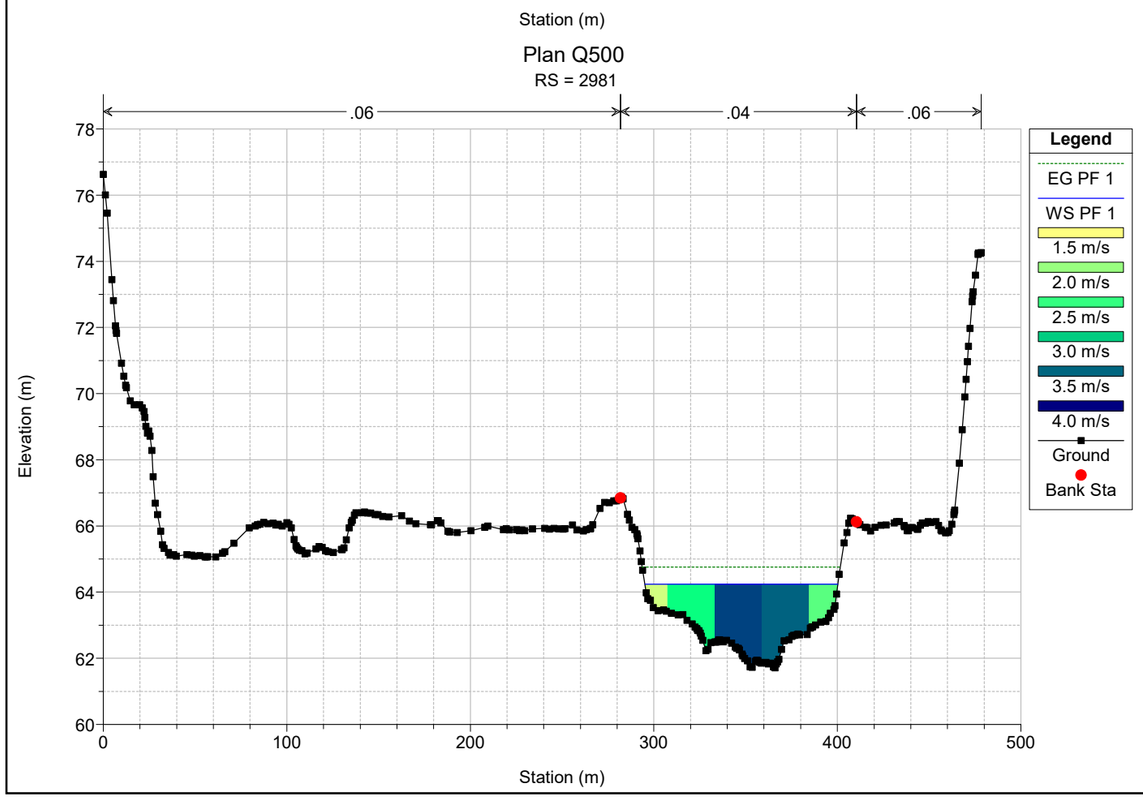

Plan Q500
RS = 3163
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

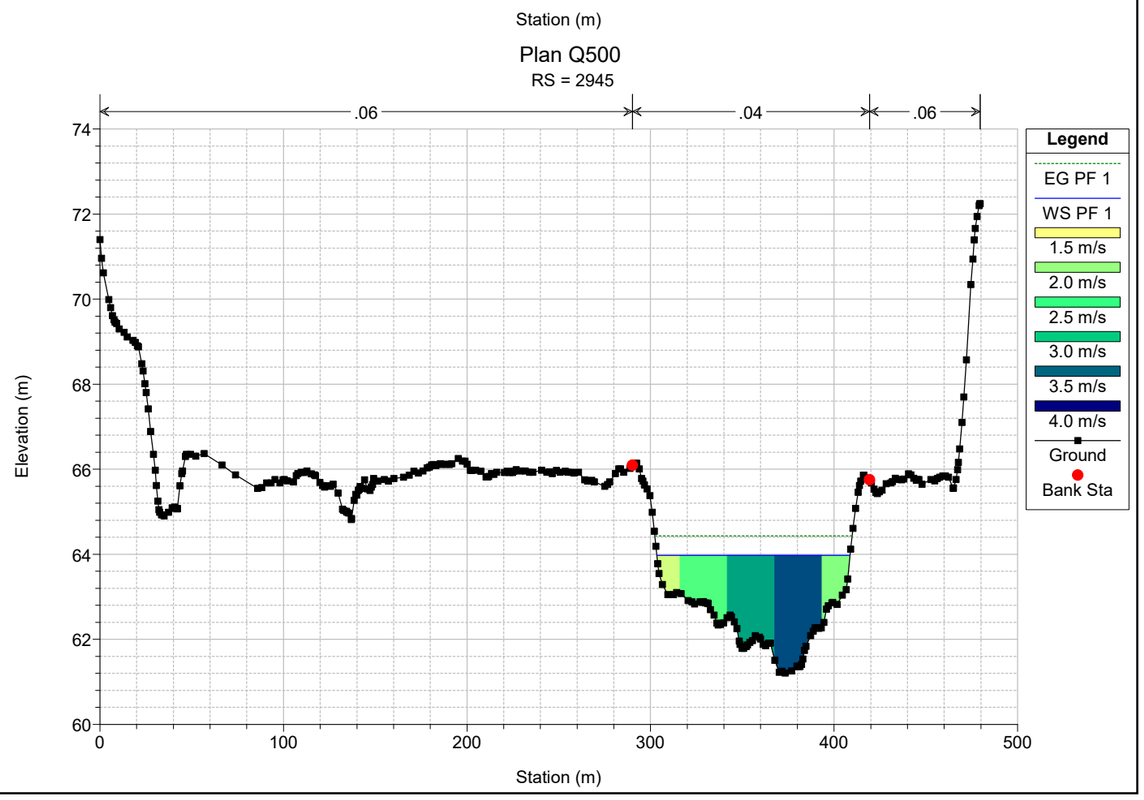

Plan Q500
RS = 3125
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

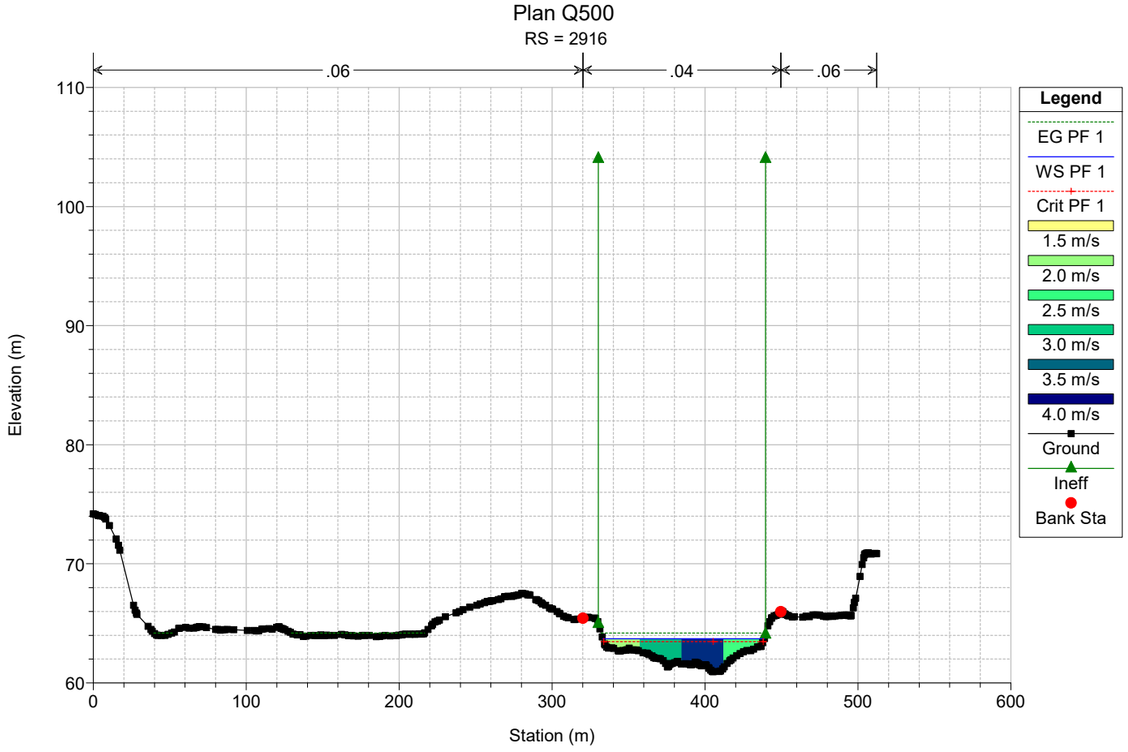

Plan Q500
RS = 3090
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
Ground
Bank Sta

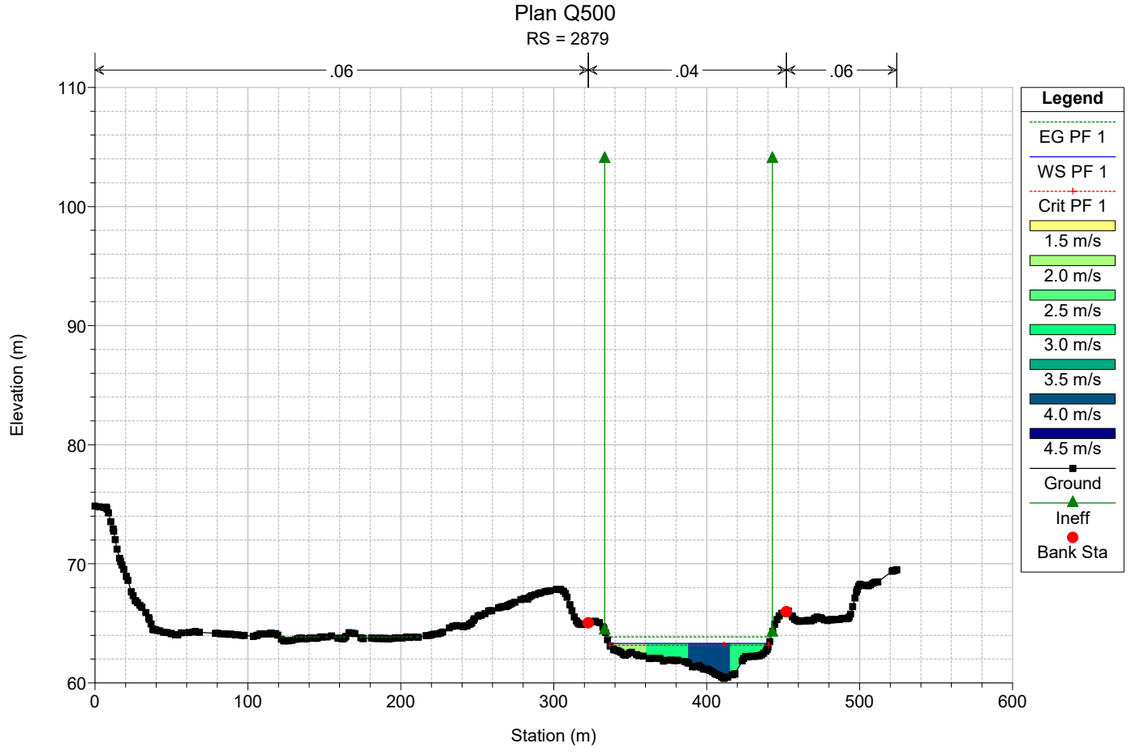

Plan Q500
RS = 3052
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

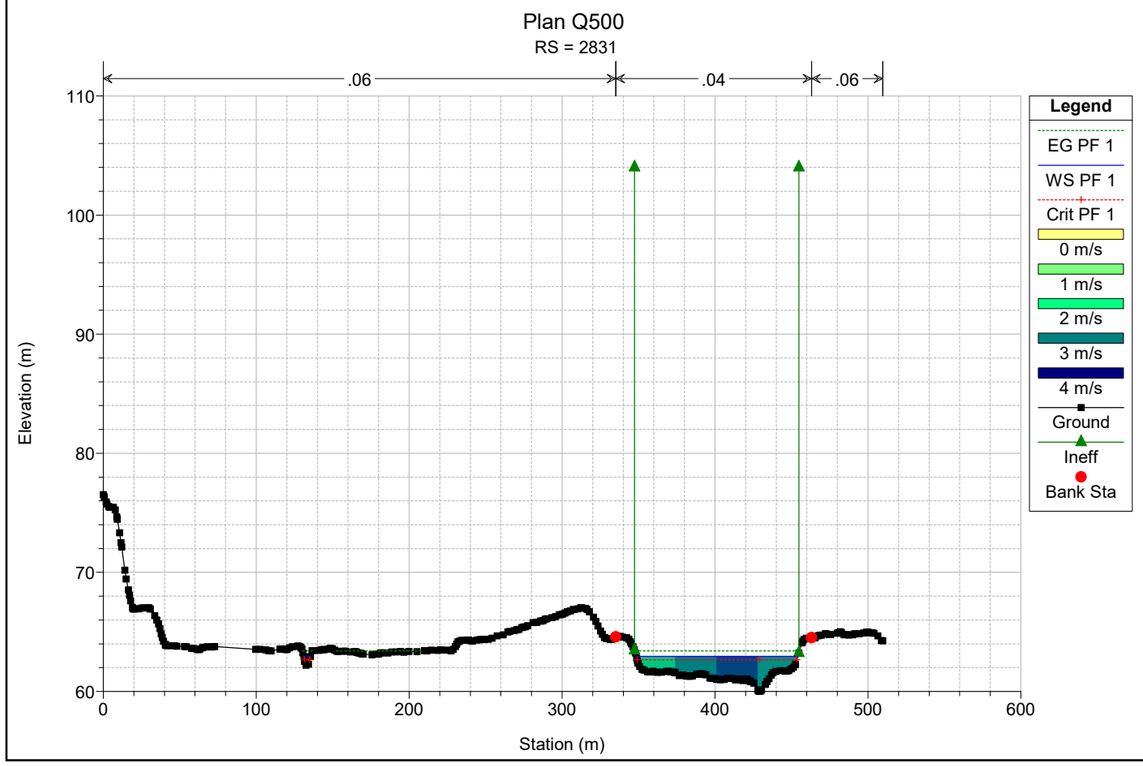

Plan Q500
RS = 3018
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

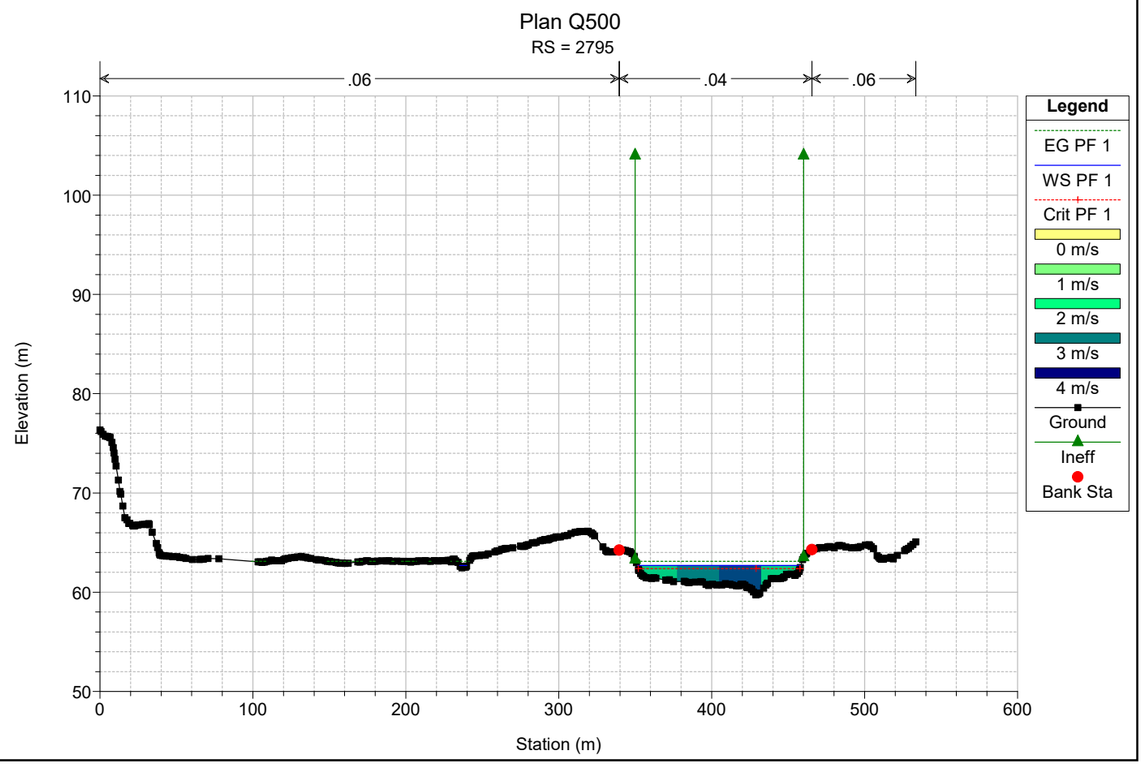

Plan Q500
RS = 2981
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

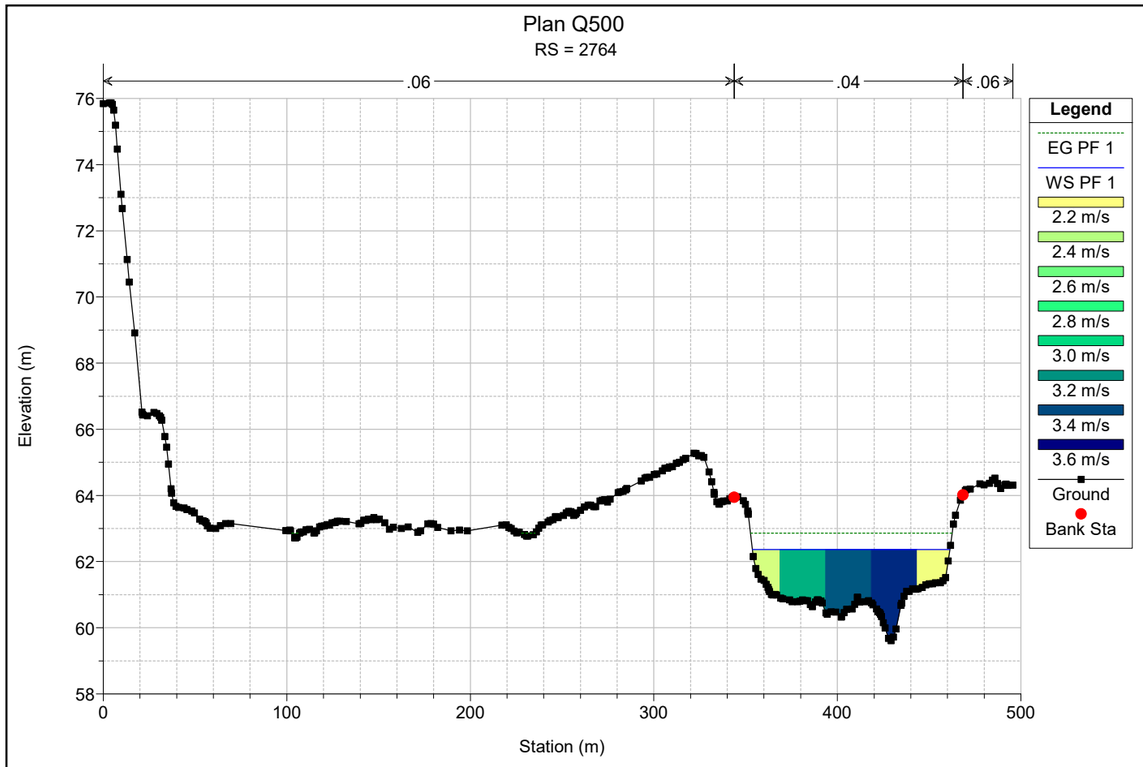

Plan Q500
RS = 2945
.06
.04
.06
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta
Elevation (m)
Station (m)

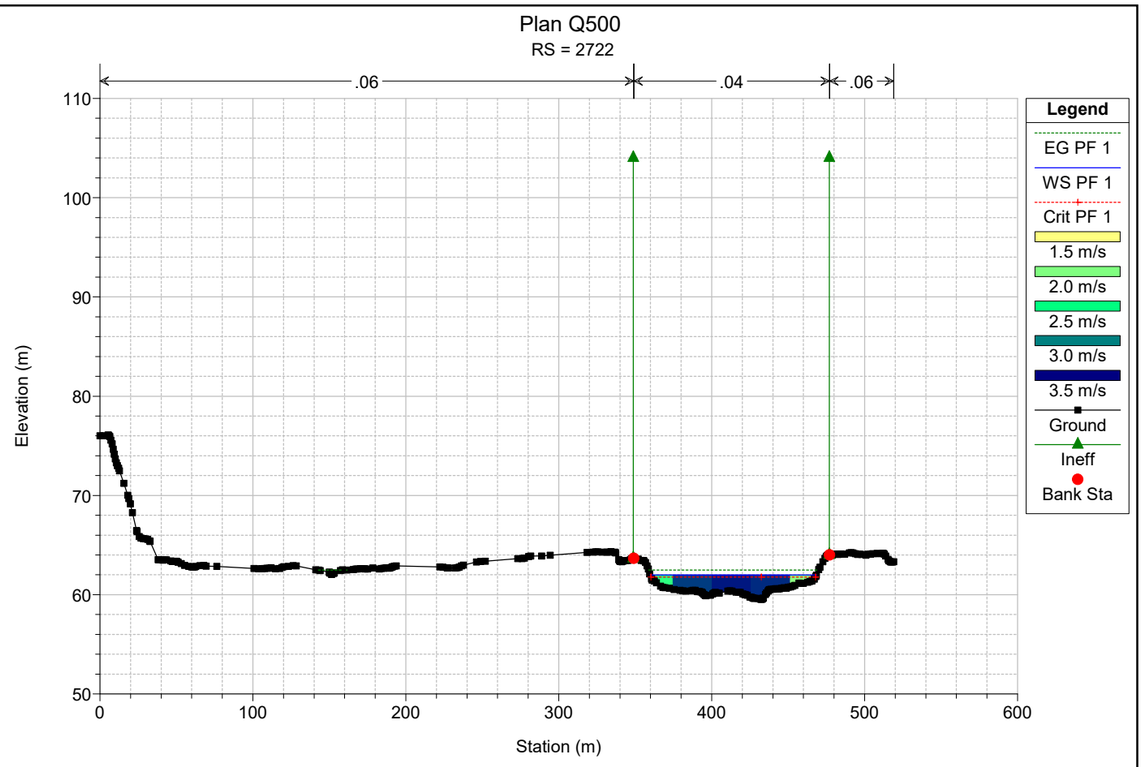

Plan Q500
RS = 2916
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

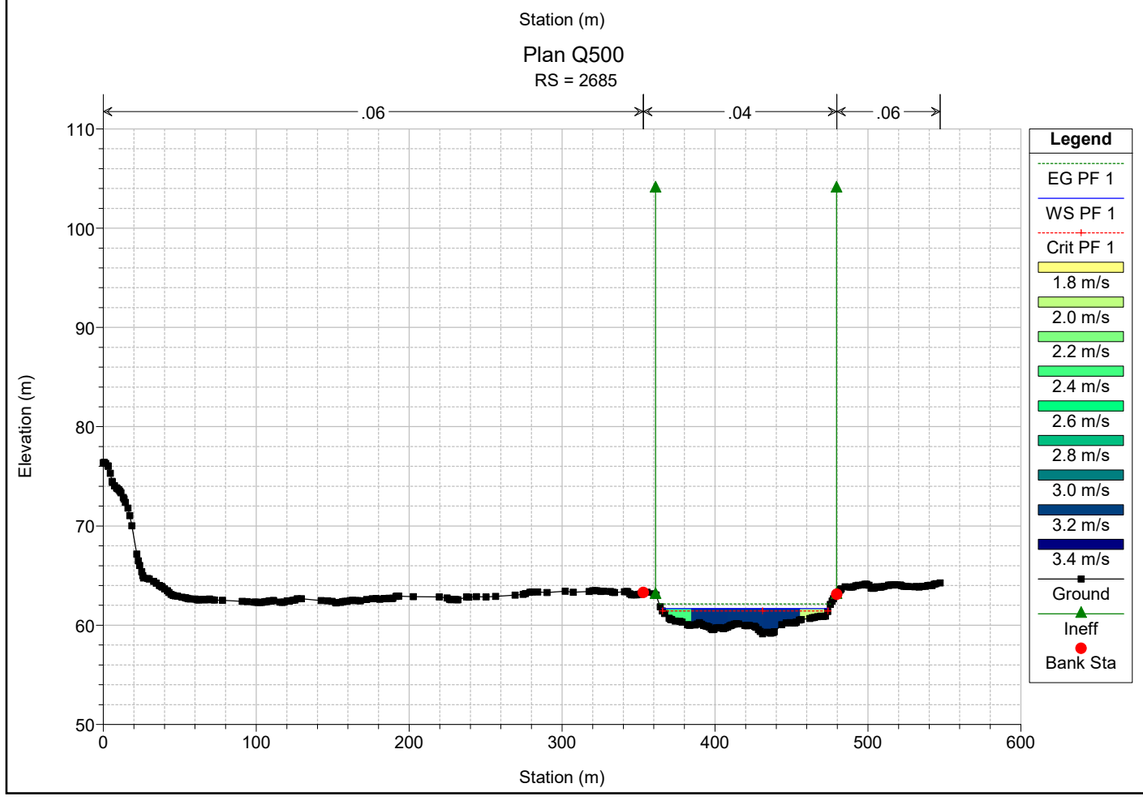

Plan Q500
RS = 2879
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

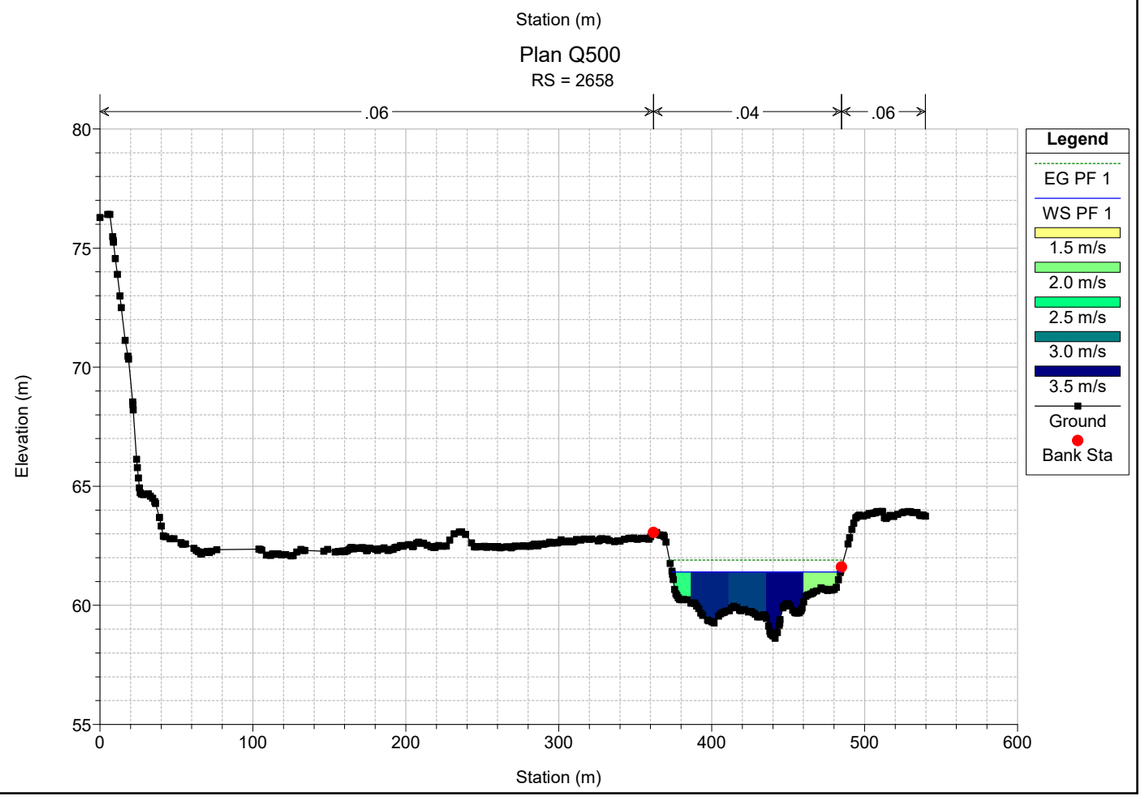

Plan Q500
RS = 2831
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

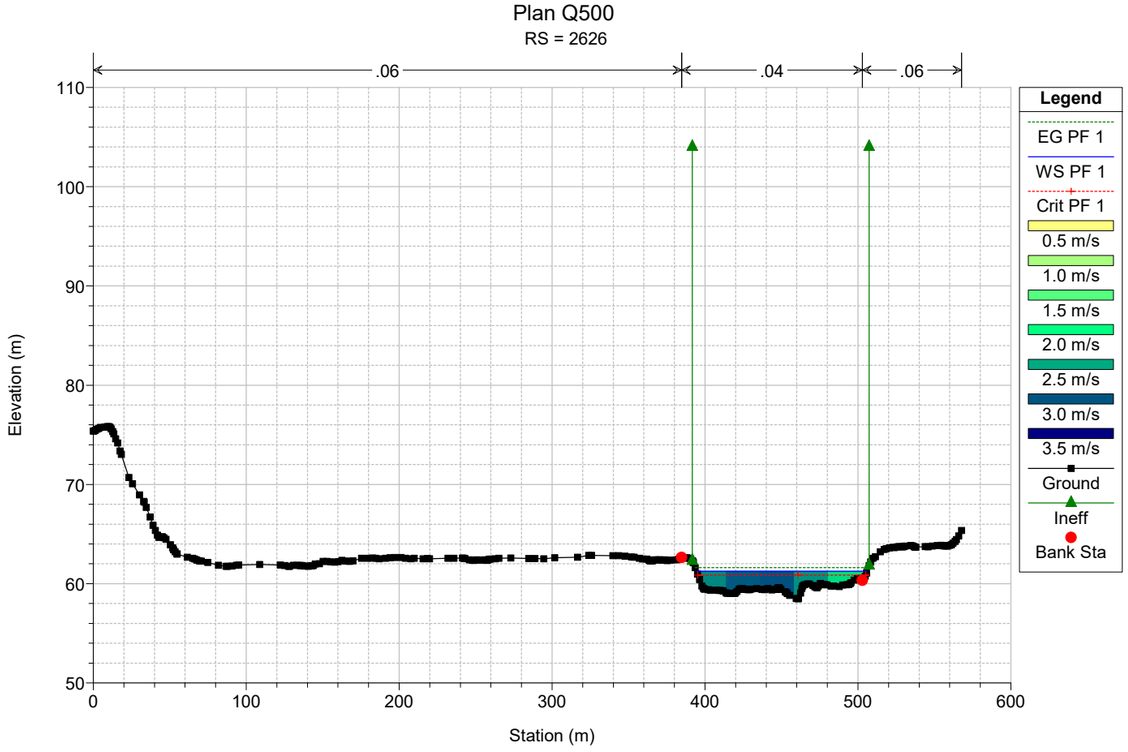

Plan Q500
RS = 2795
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

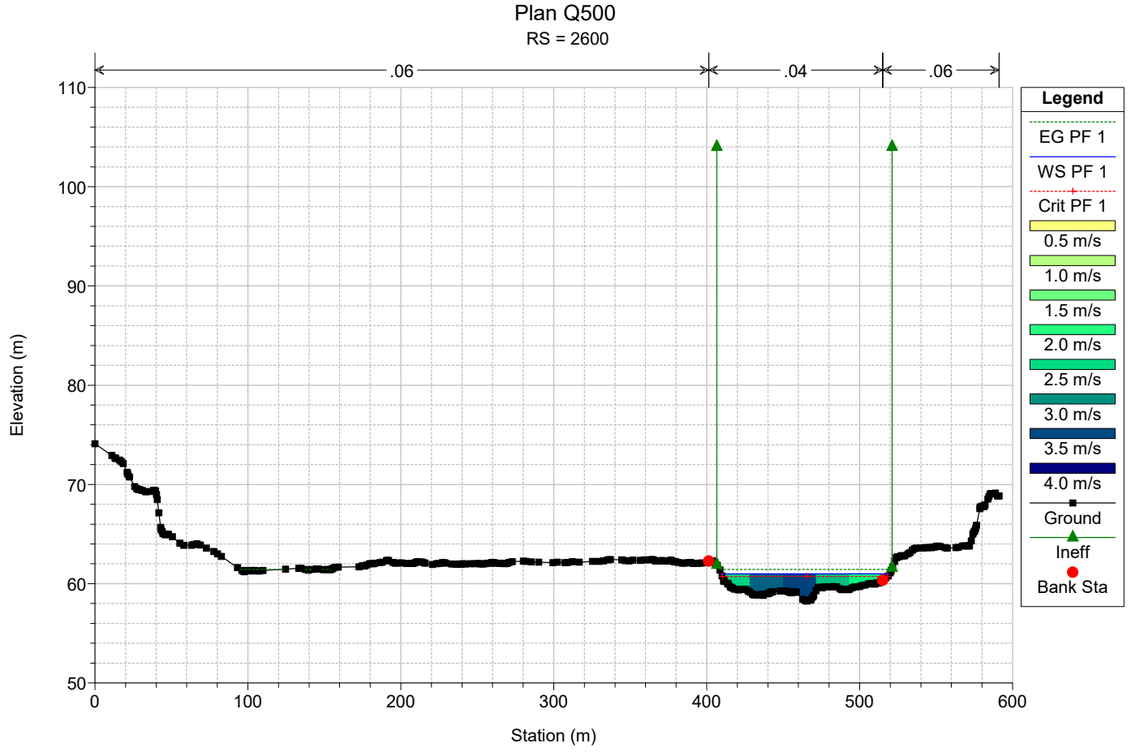

Plan Q500
RS = 2764
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
3.6 m/s
Ground
Bank Sta

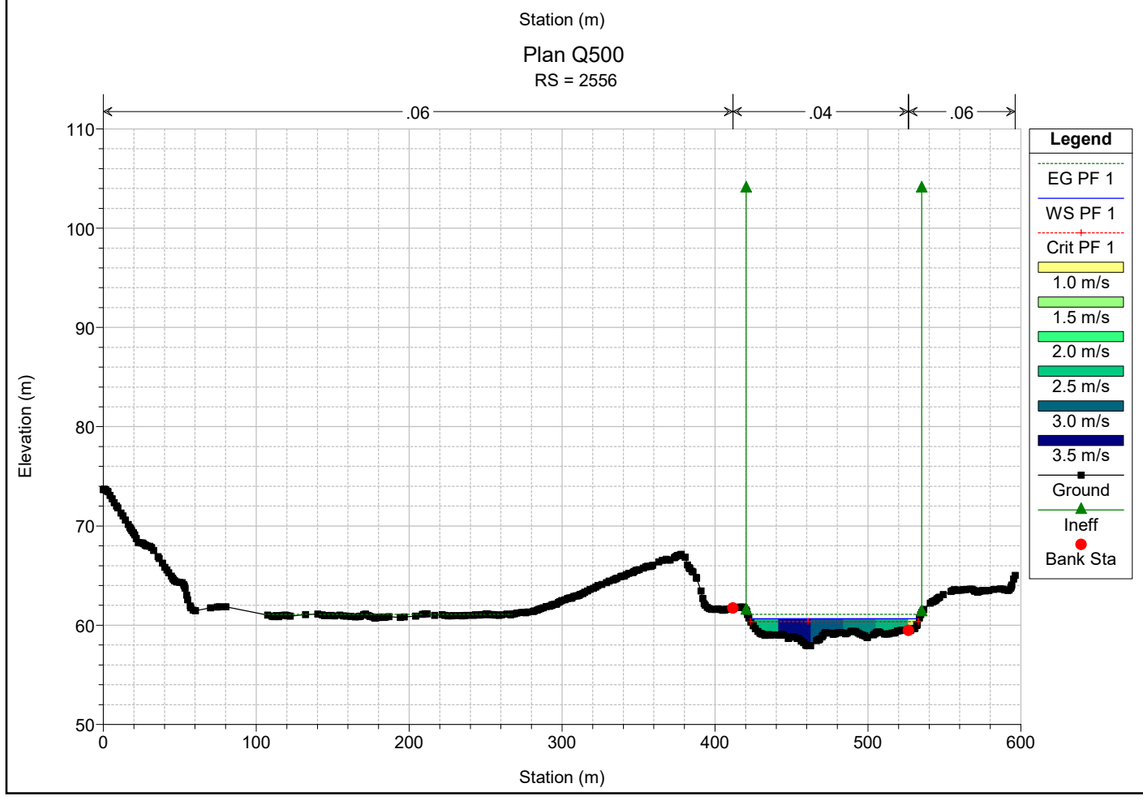

Plan Q500
RS = 2722
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

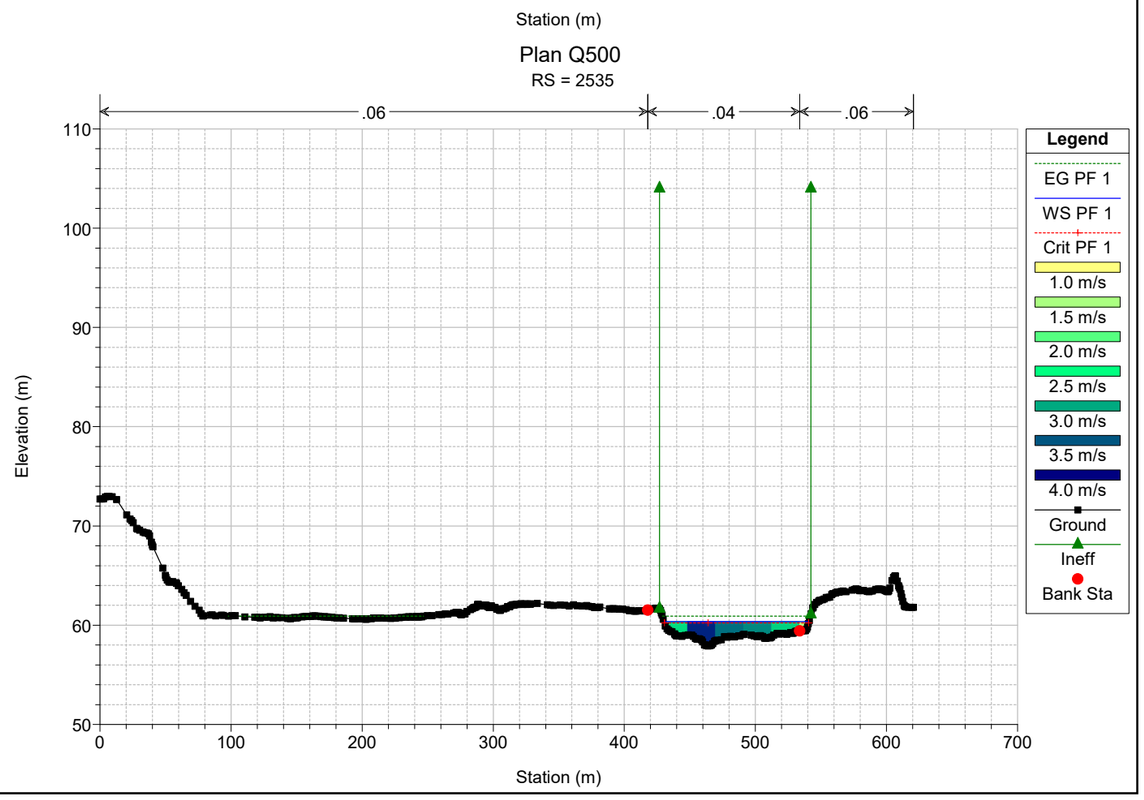

Plan Q500
RS = 2685
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.8 m/s
2.0 m/s
2.2 m/s
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
Ground
Ineff
Bank Sta

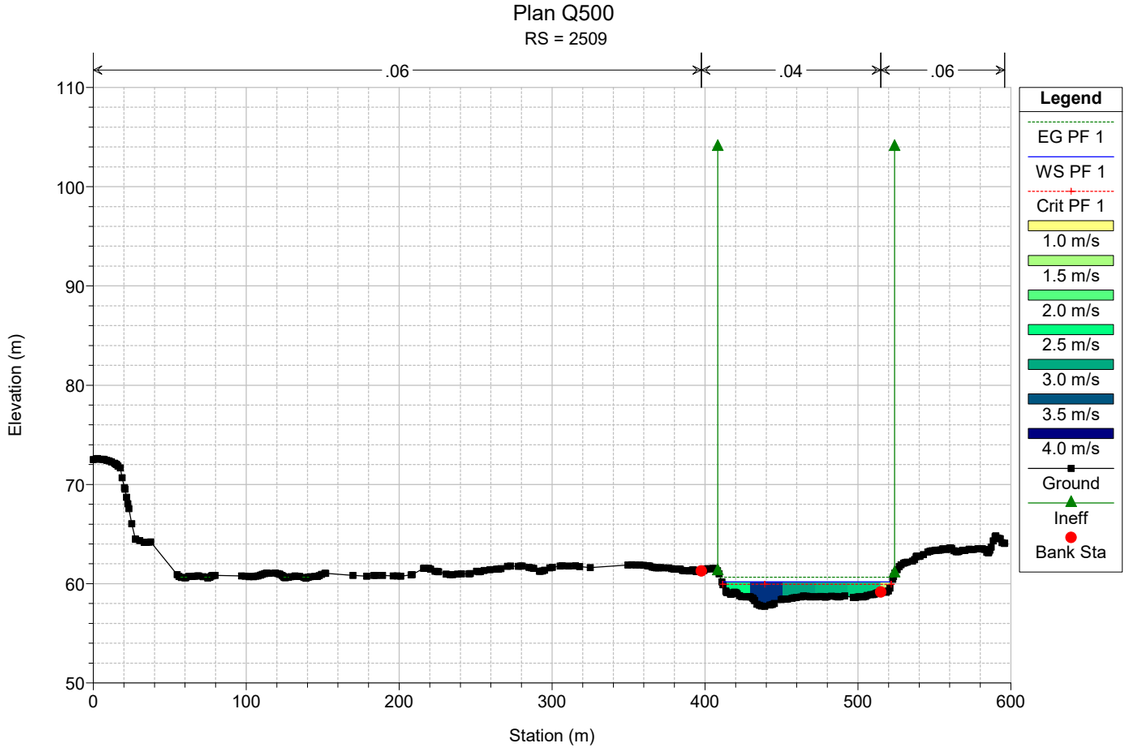

Plan Q500
RS = 2658
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

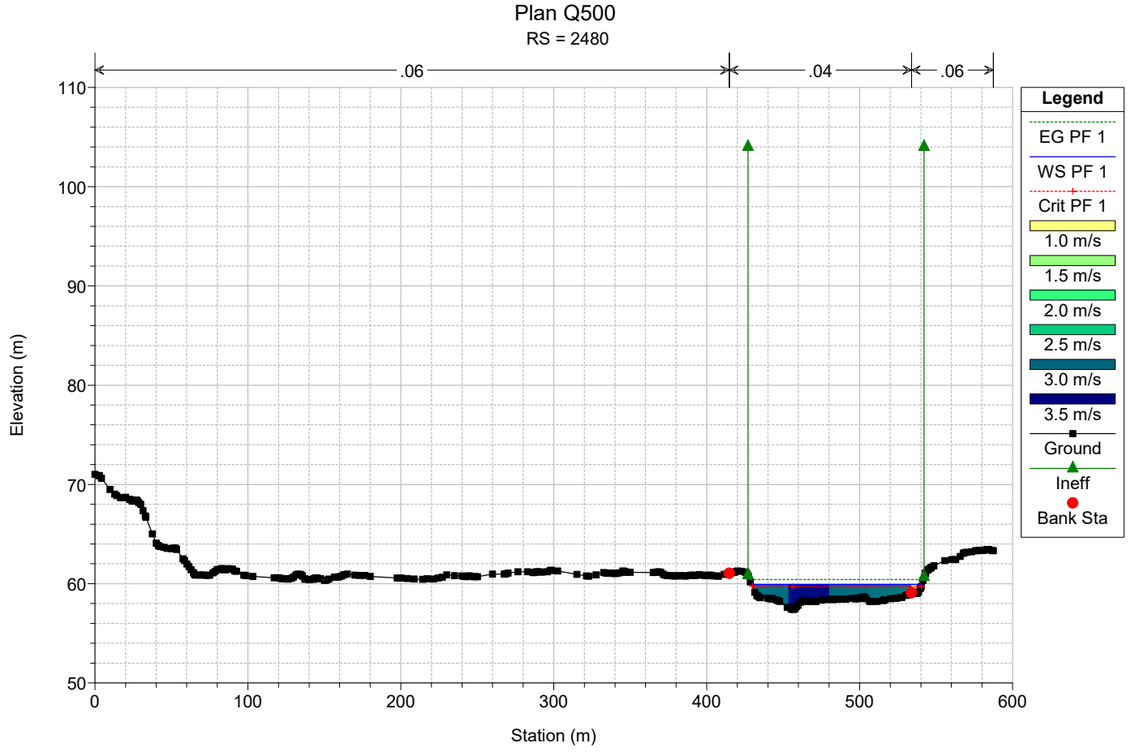

Plan Q500
RS = 2626
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

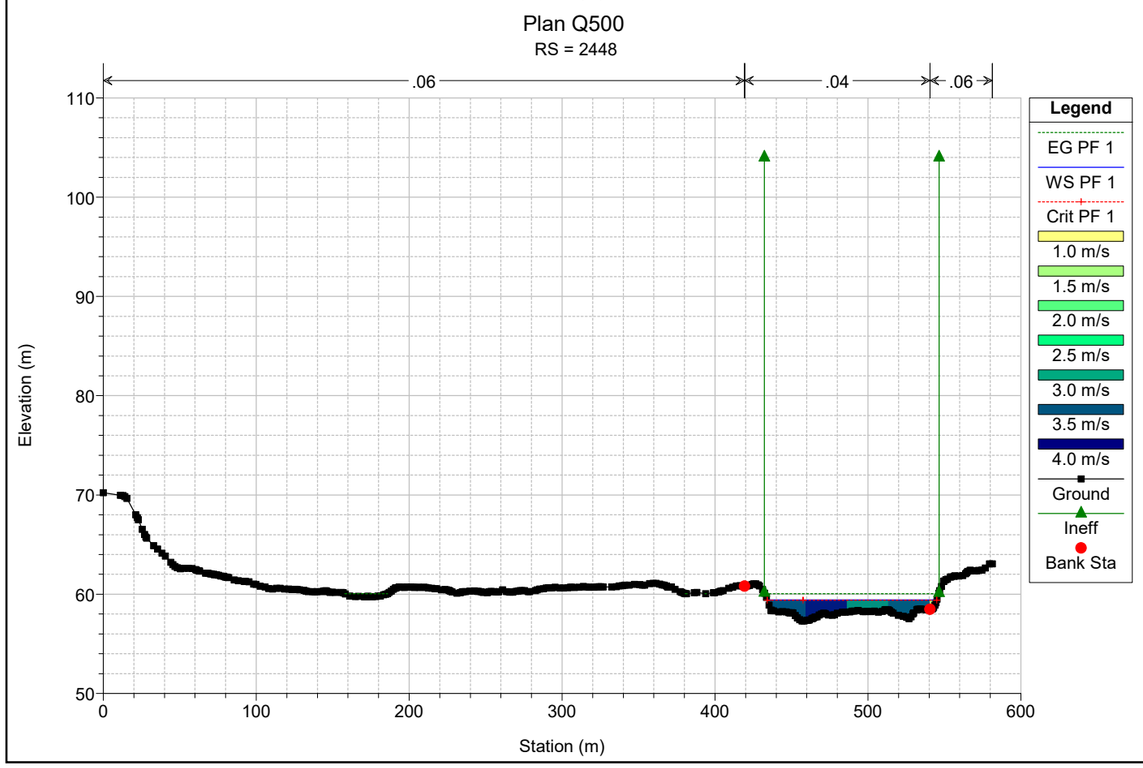

Plan Q500
RS = 2600
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

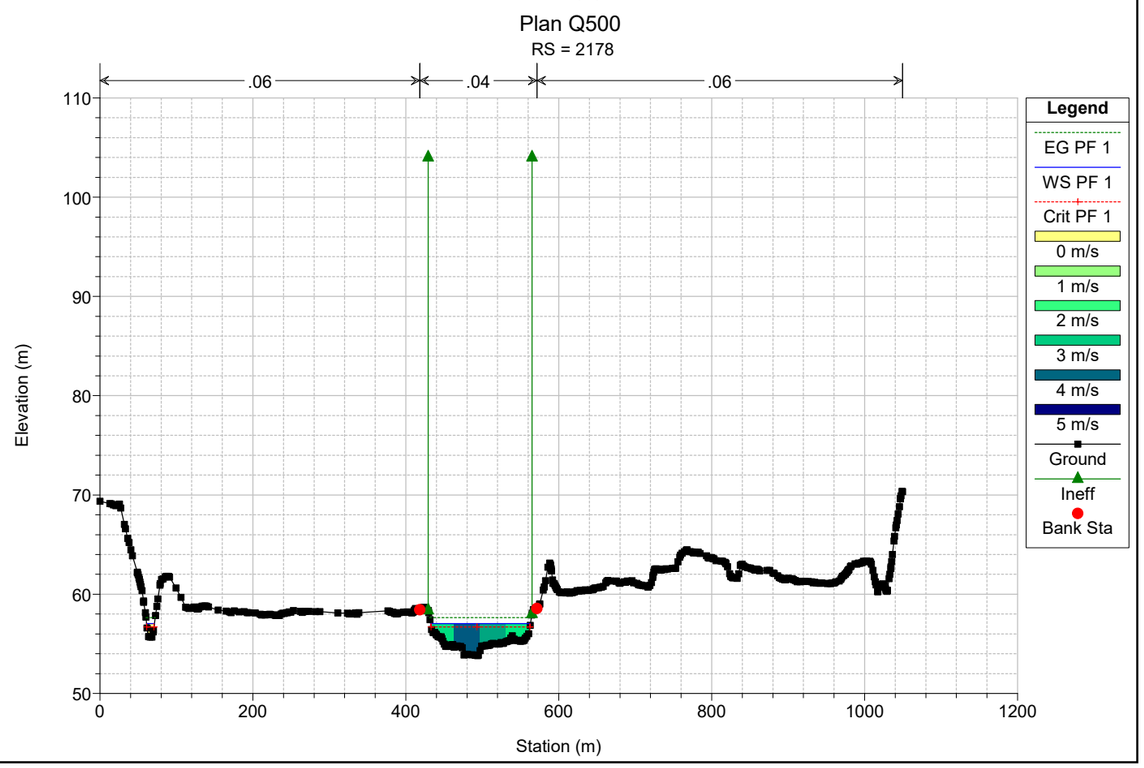

Plan Q500
RS = 2556
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

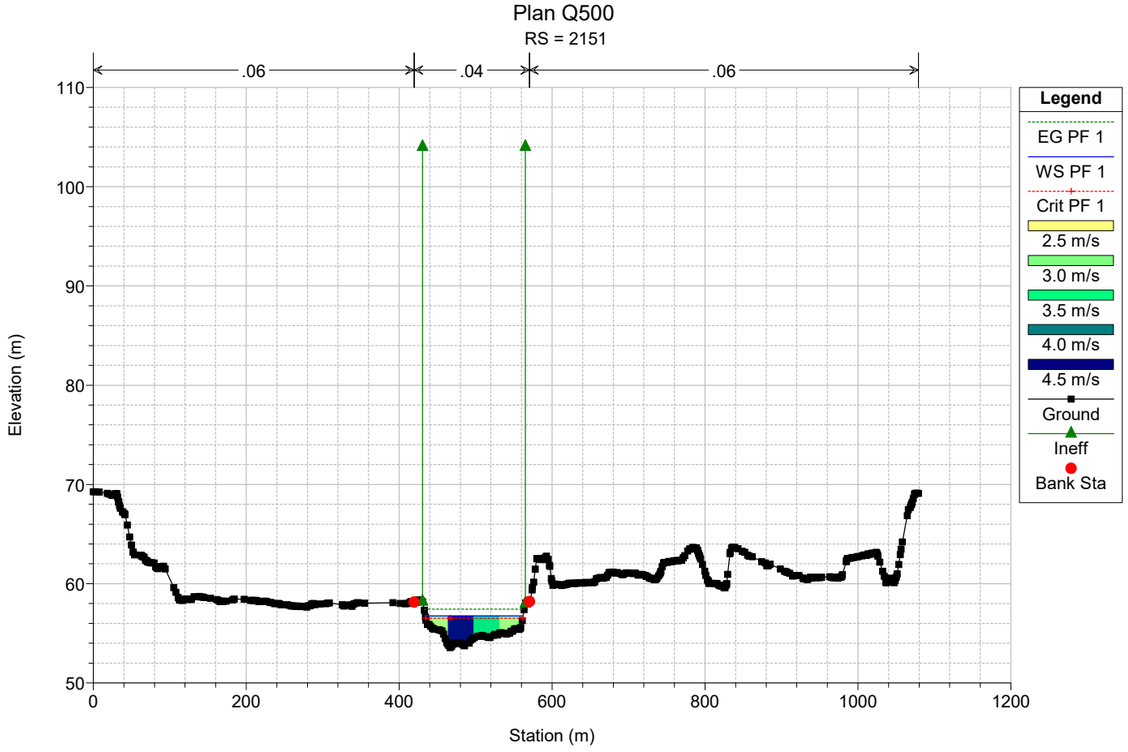

Plan Q500
RS = 2535
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

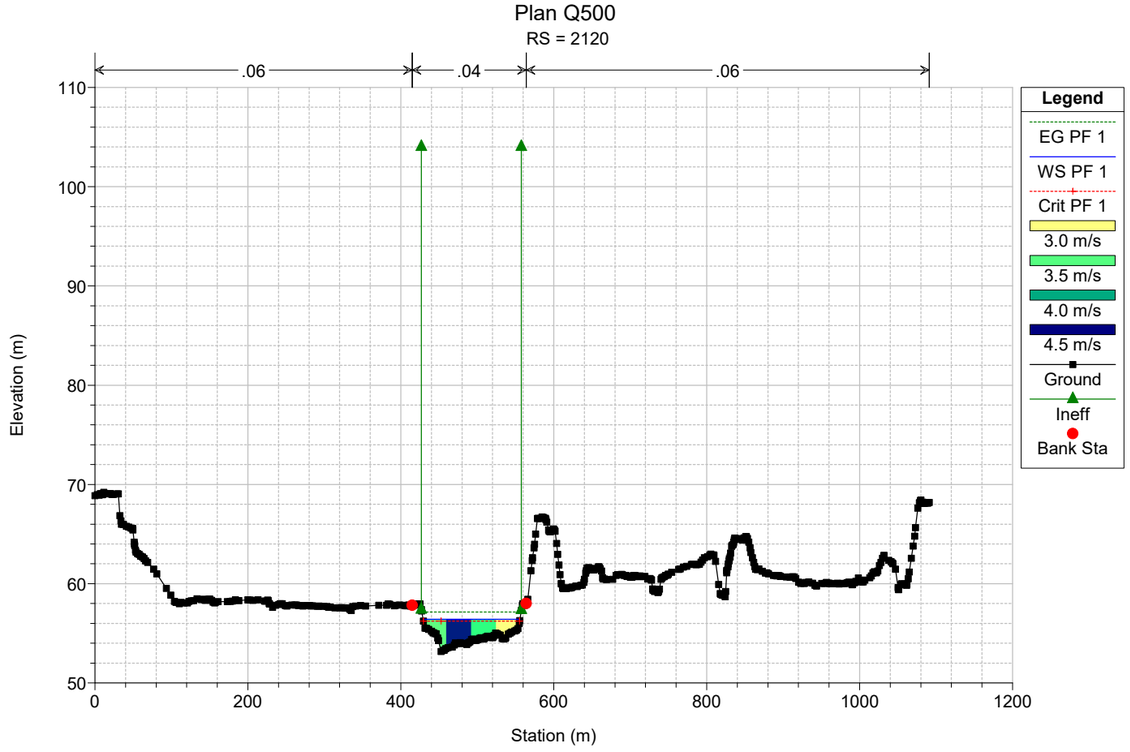

Plan Q500
RS = 2509
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

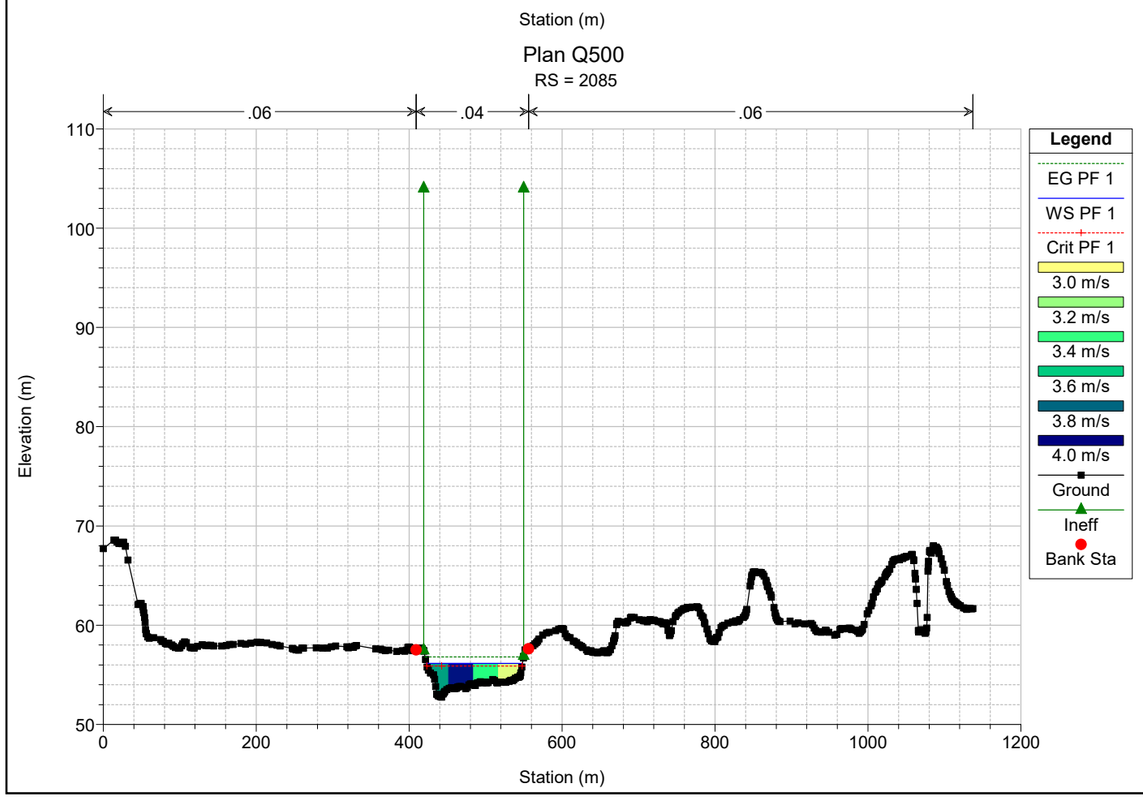

Plan Q500
RS = 2480
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Ineff
Bank Sta

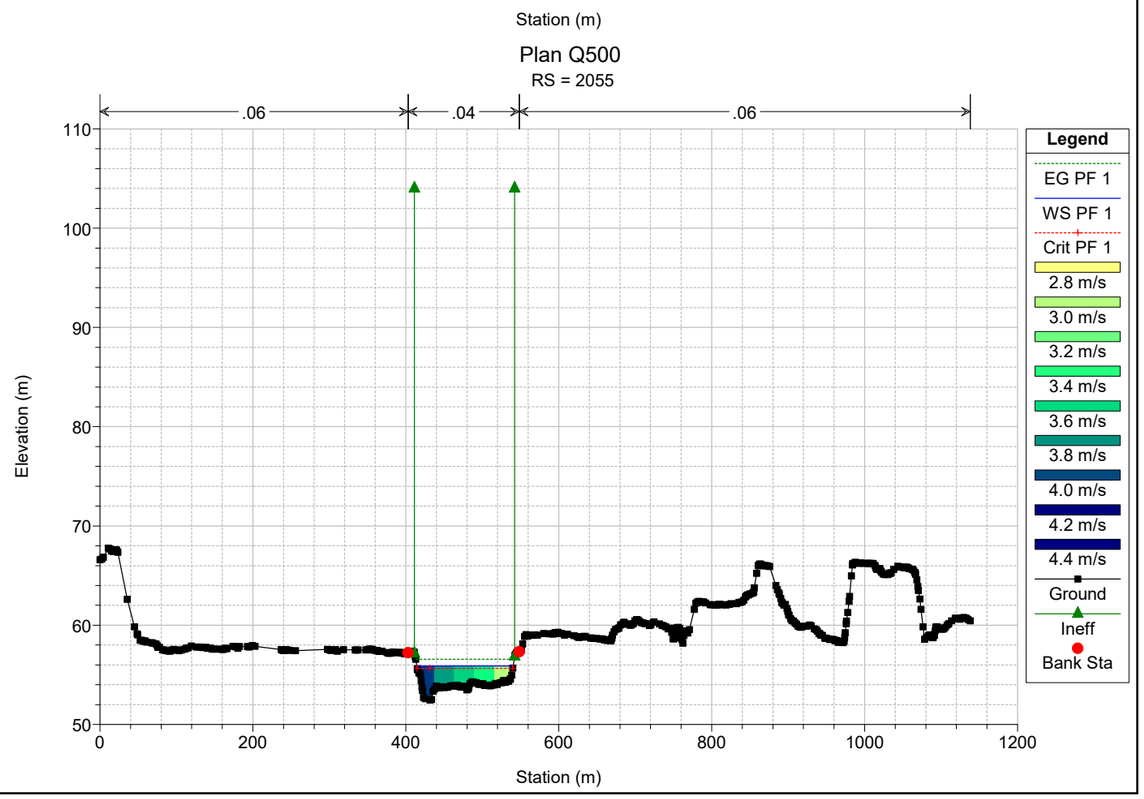

Plan Q500
RS = 2448
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Ineff
Bank Sta

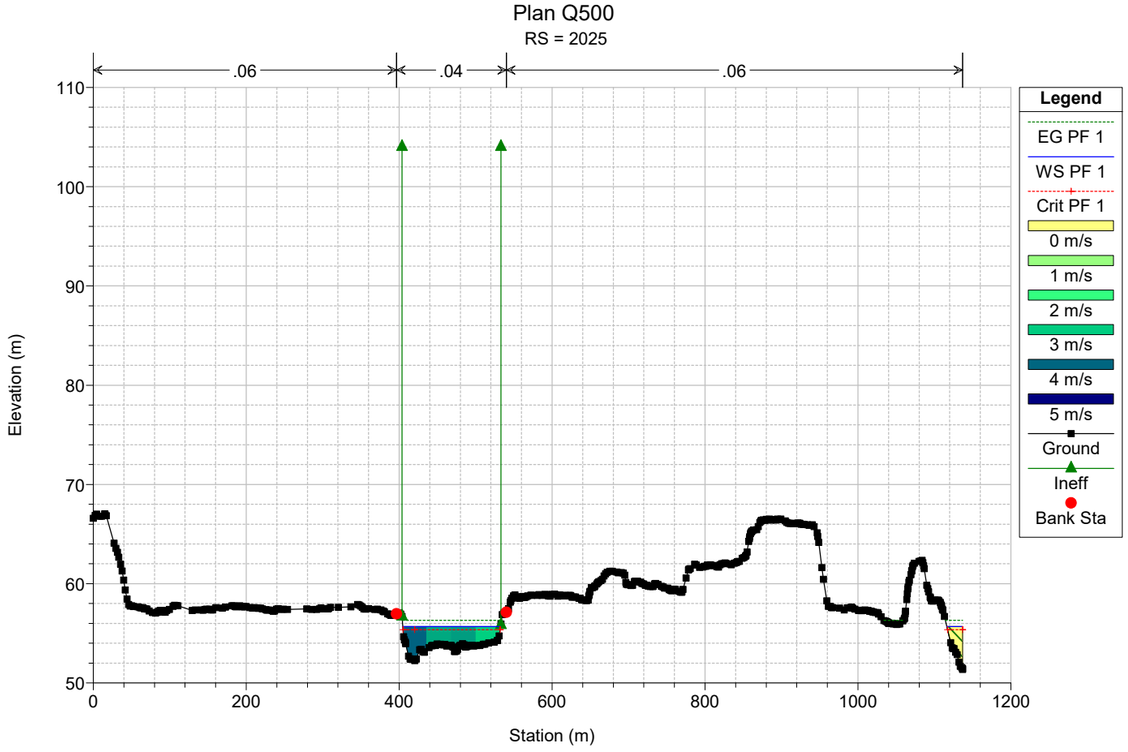

Plan Q500
RS = 2178
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

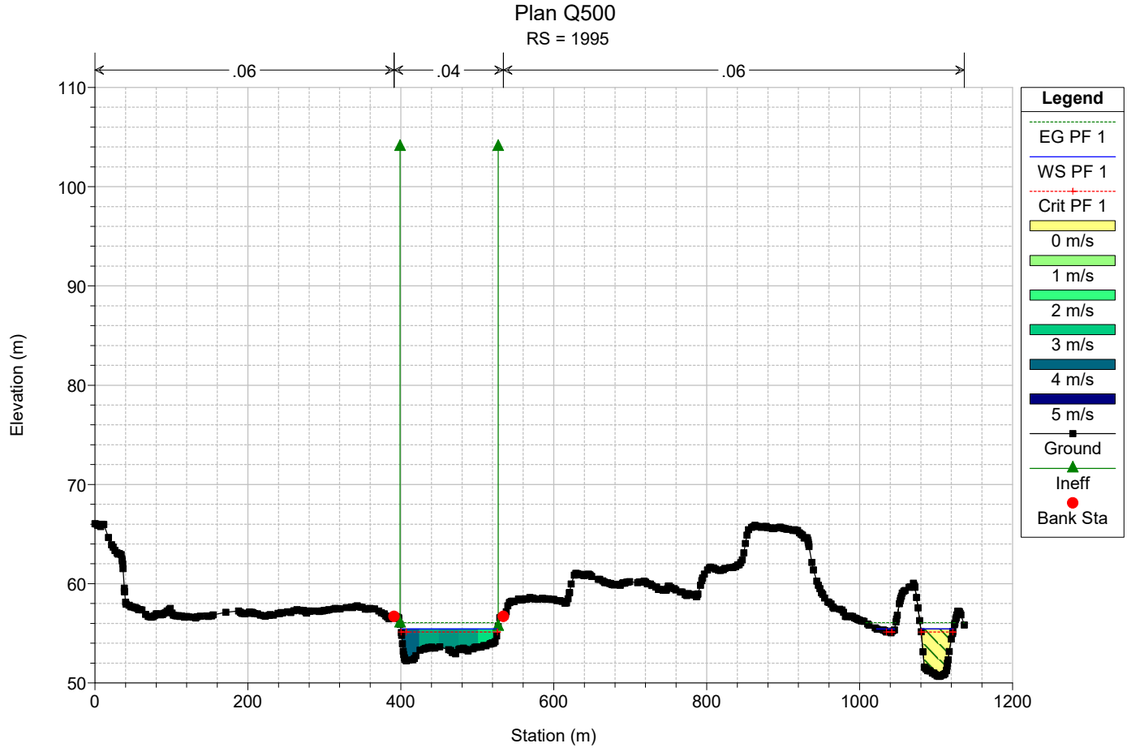

Plan Q500
RS = 2151
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

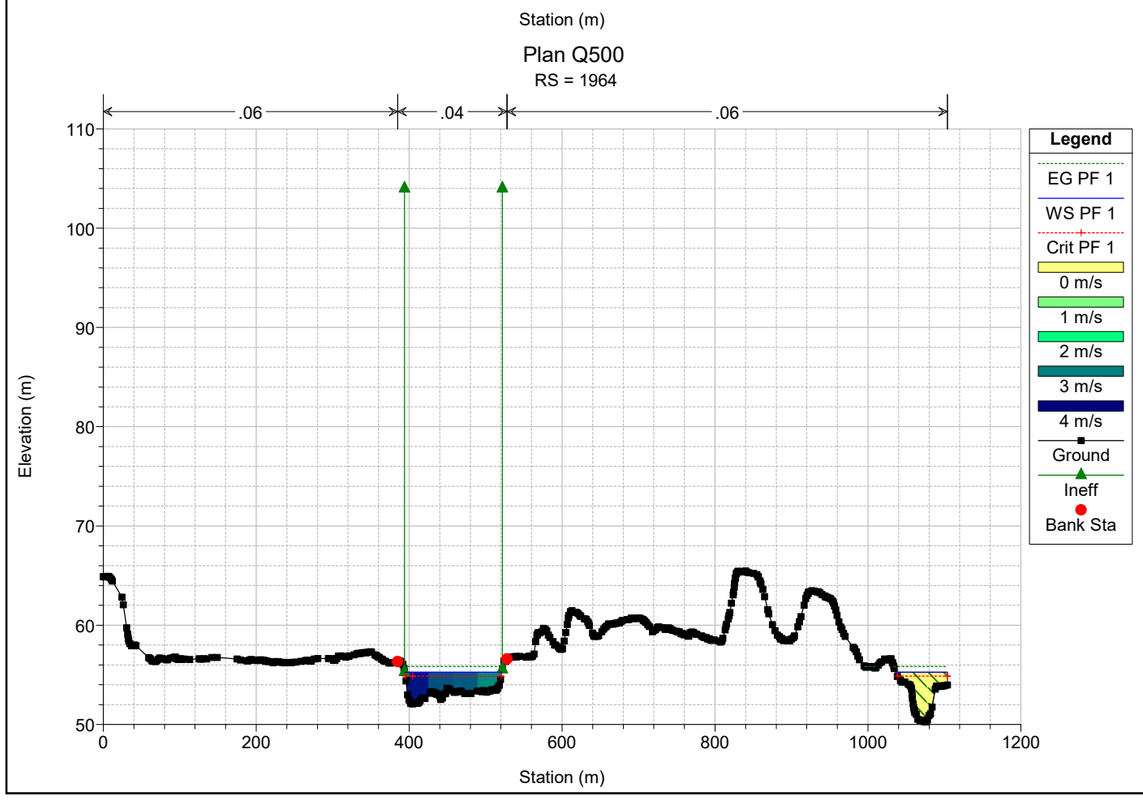

Plan Q500
RS = 2120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

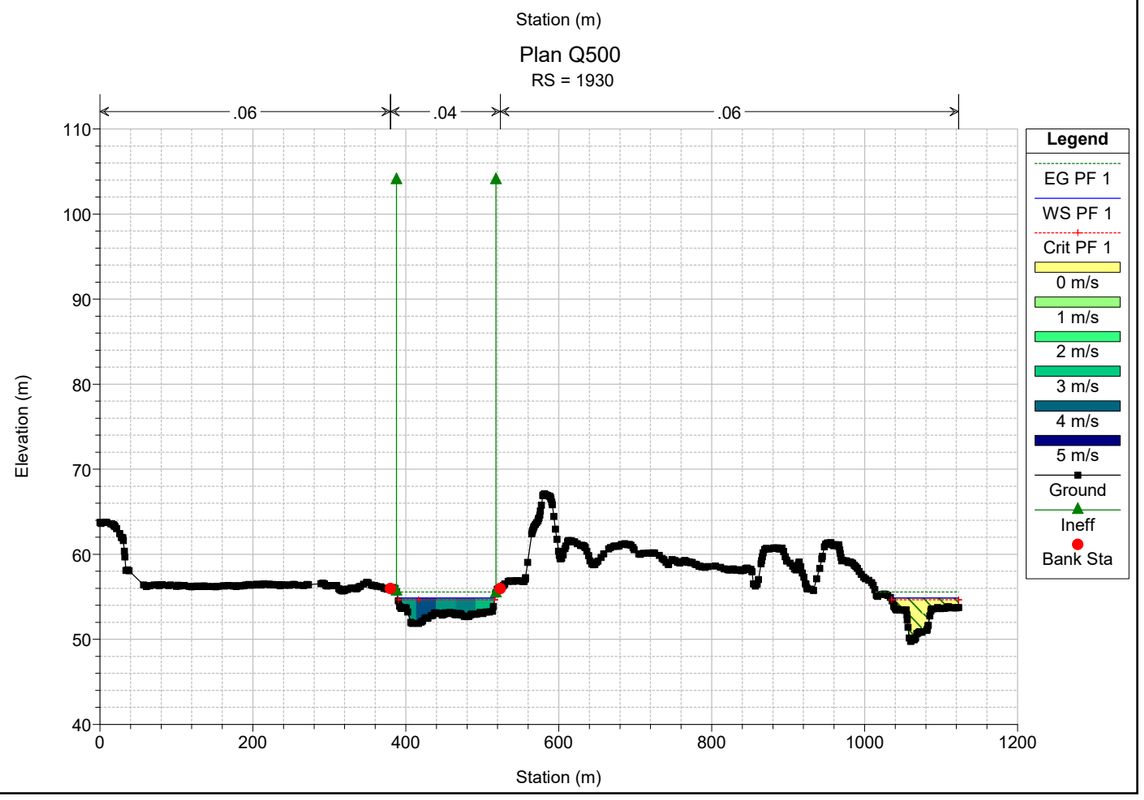

Plan Q500
RS = 2085
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
3.0 m/s
3.2 m/s
3.4 m/s
3.6 m/s
3.8 m/s
4.0 m/s
Ground
Ineff
Bank Sta

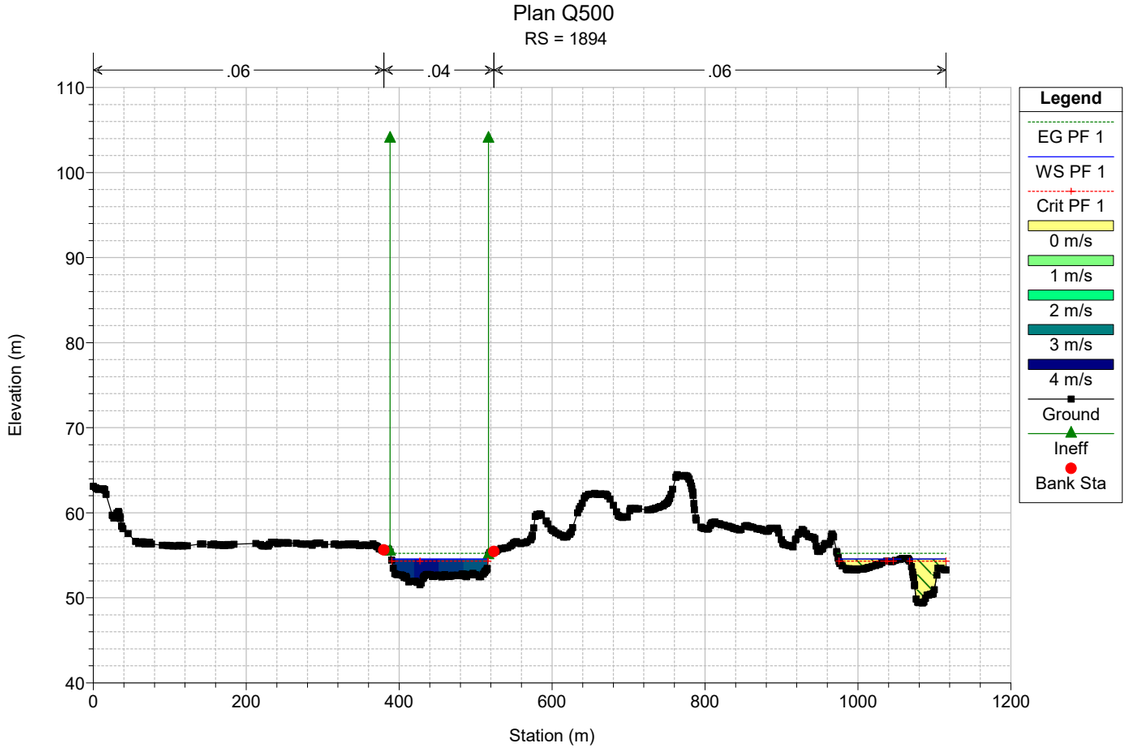

Plan Q500
RS = 2055
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
3.6 m/s
3.8 m/s
4.0 m/s
4.2 m/s
4.4 m/s
Ground
Ineff
Bank Sta

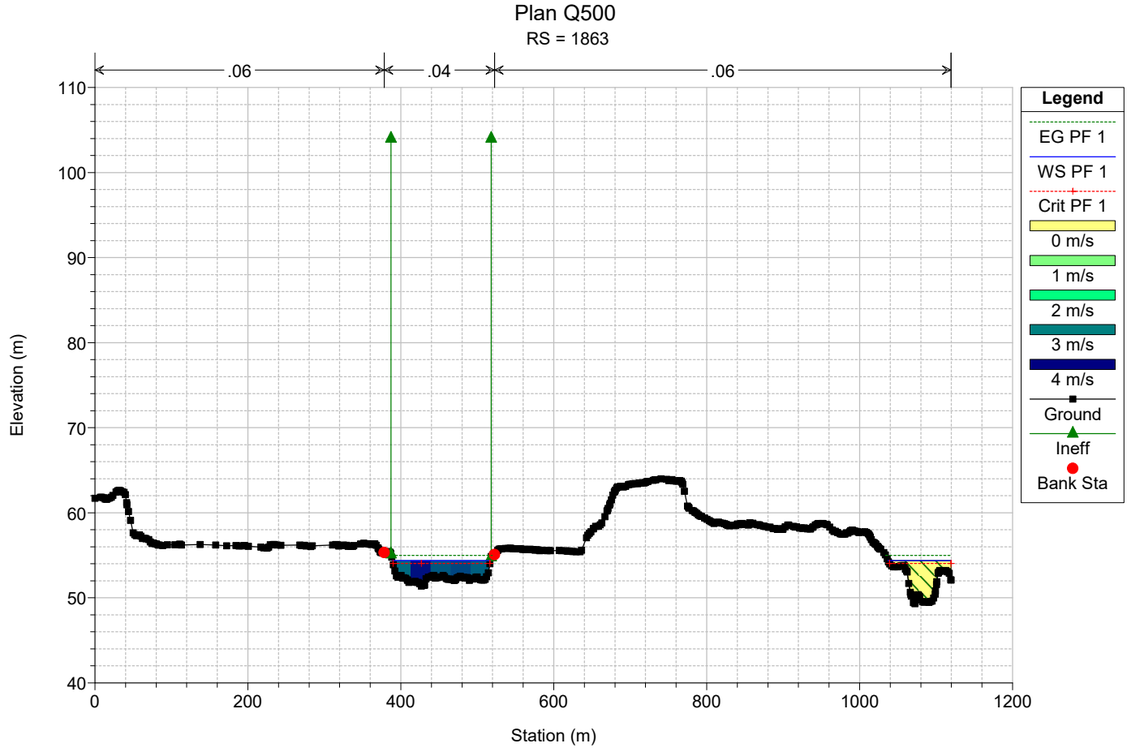

Plan Q500
RS = 2025
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

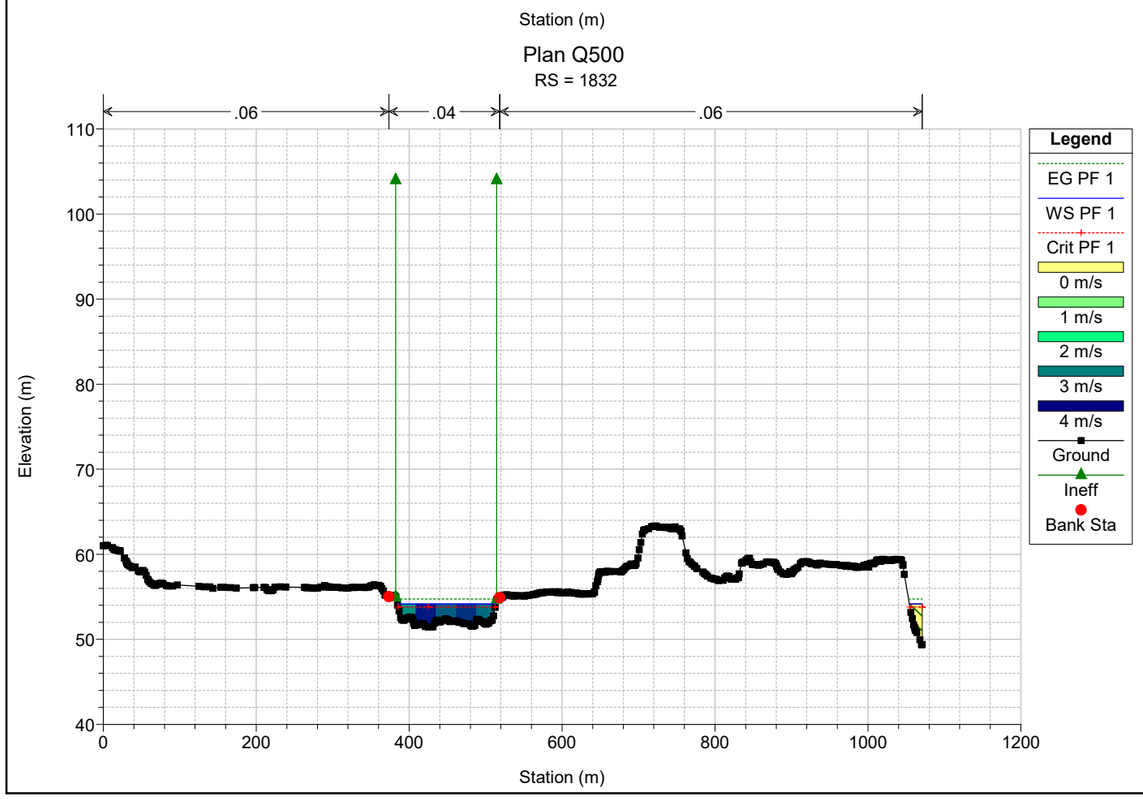

Plan Q500
RS = 1995
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

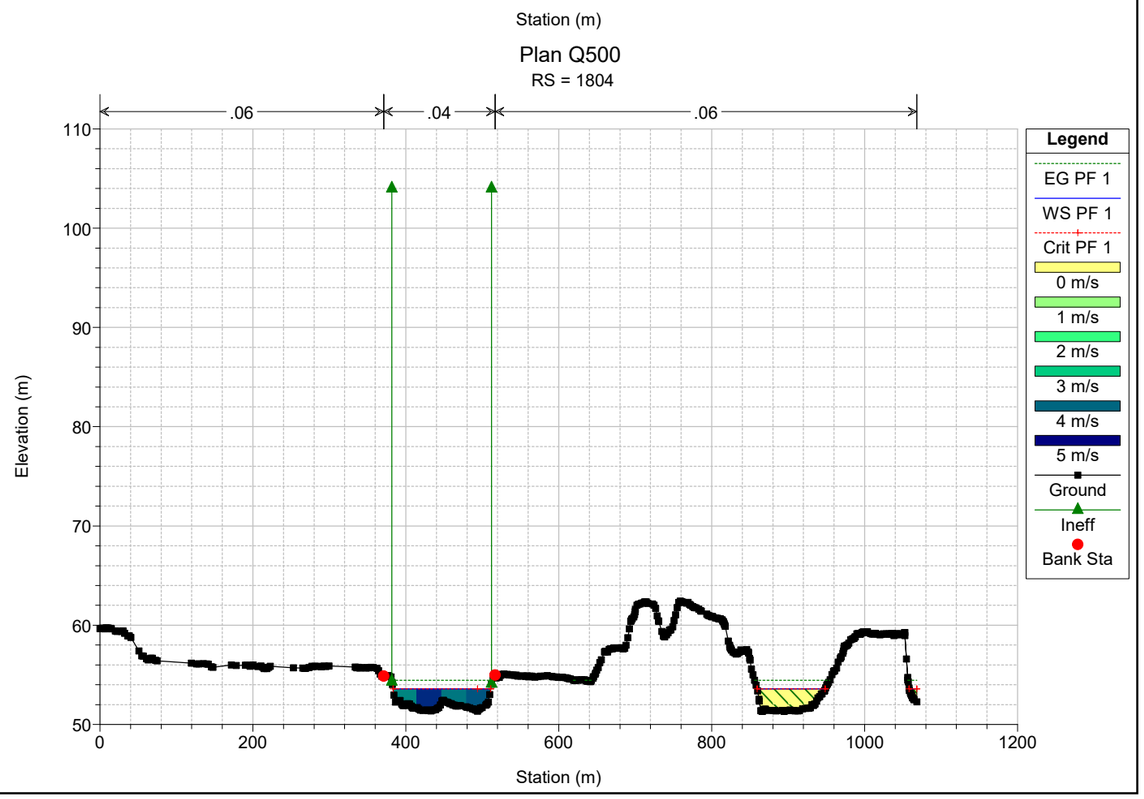

Plan Q500
RS = 1964
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

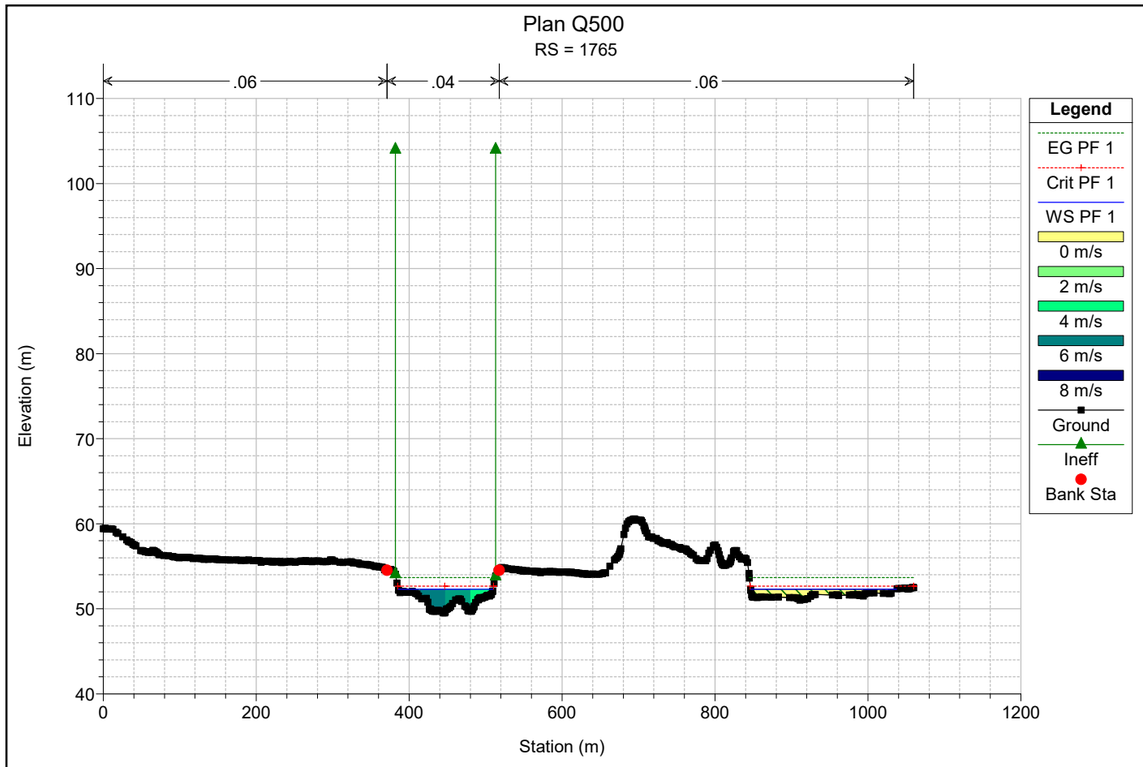

Plan Q500
RS = 1930
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

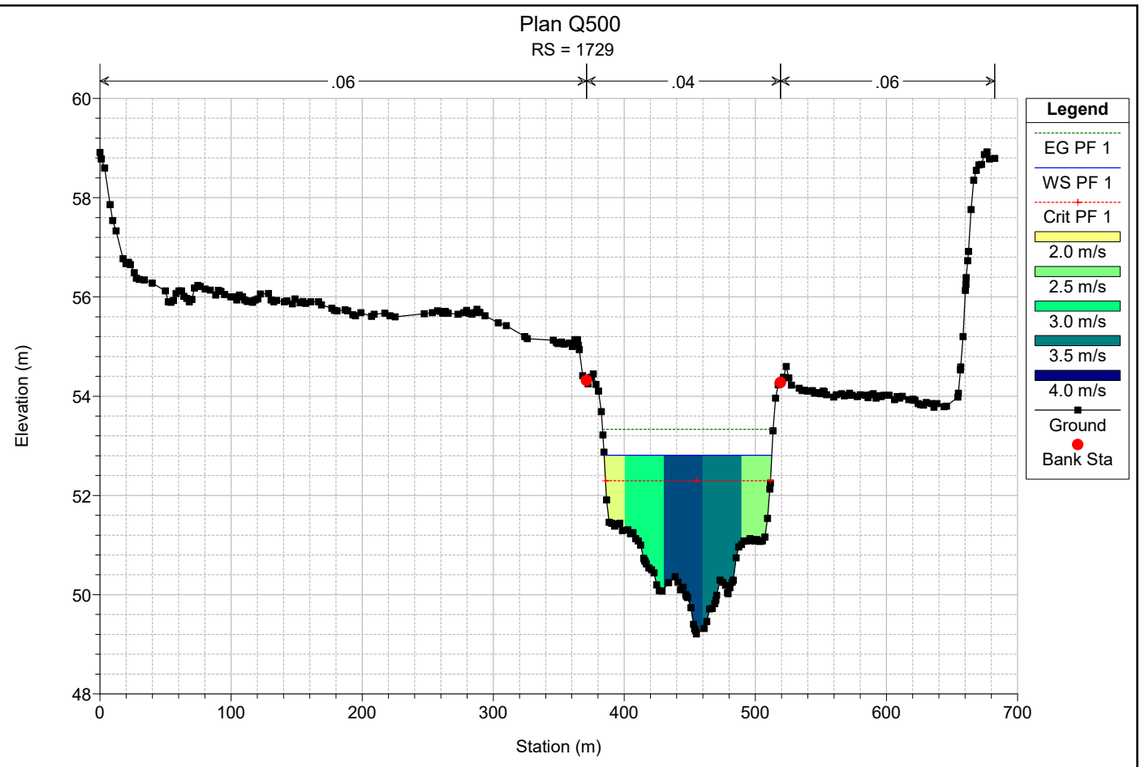

Plan Q500
RS = 1894
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

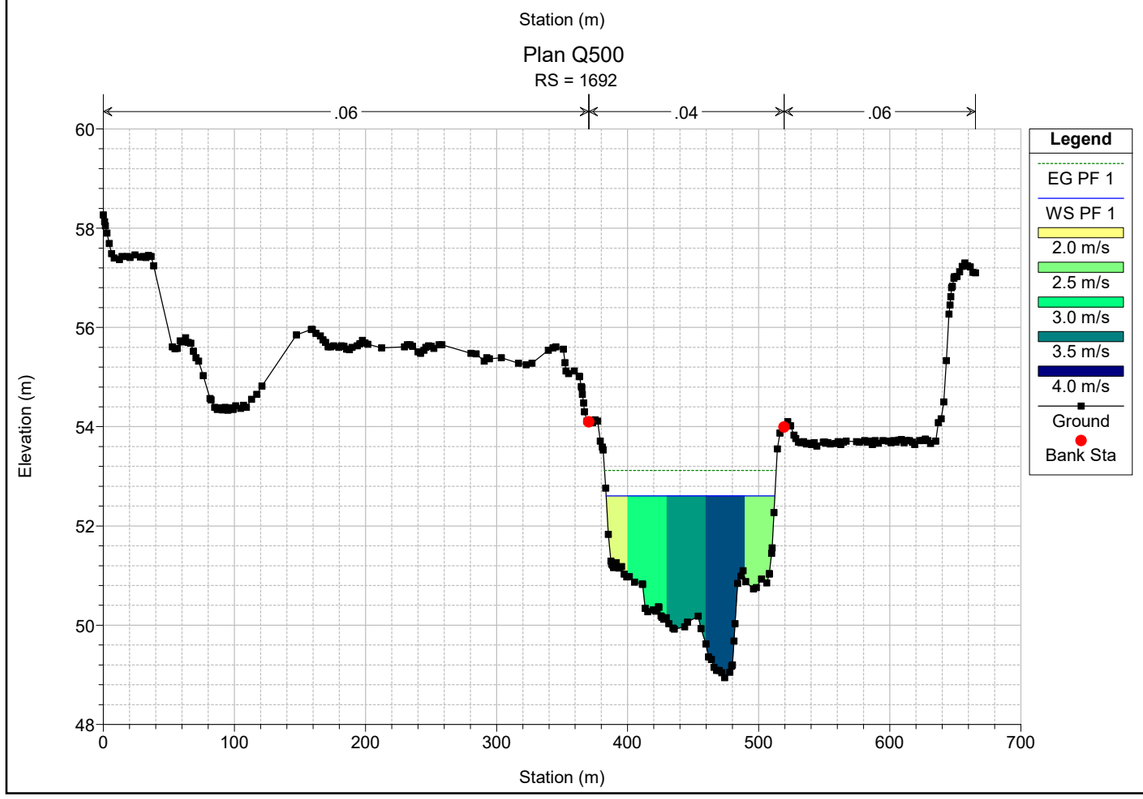

Plan Q500
RS = 1863
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

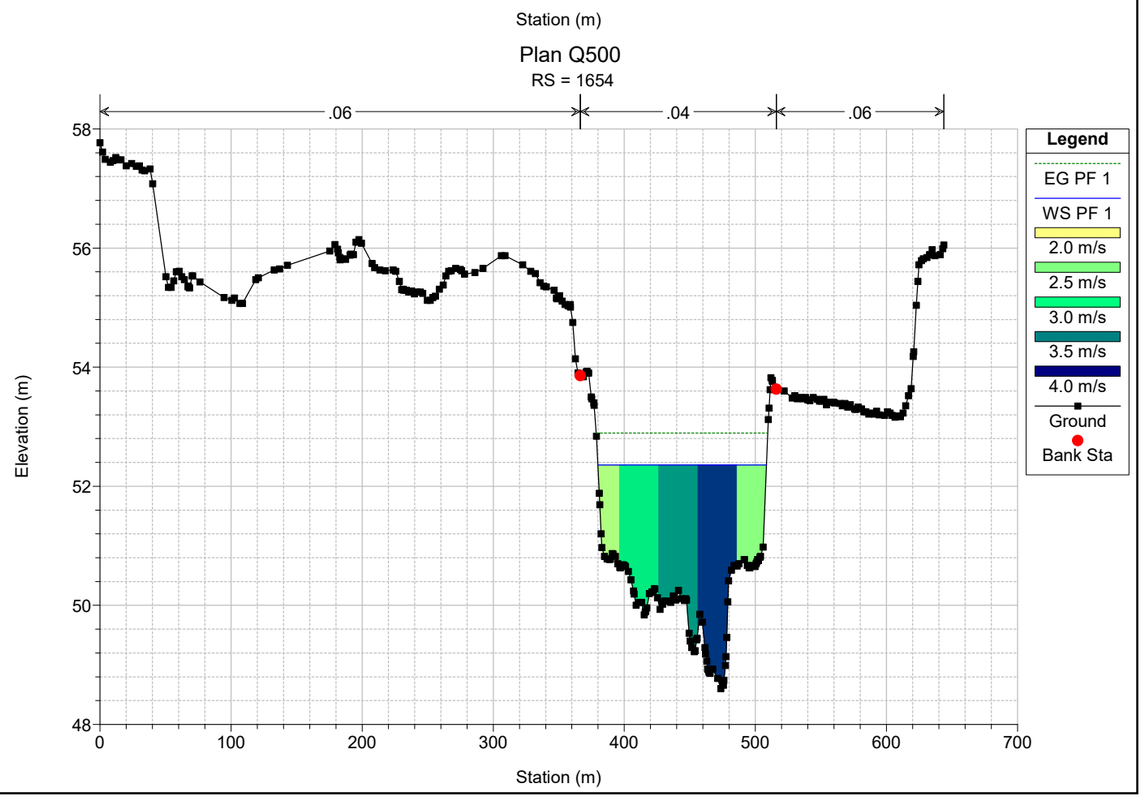

Plan Q500
RS = 1832
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

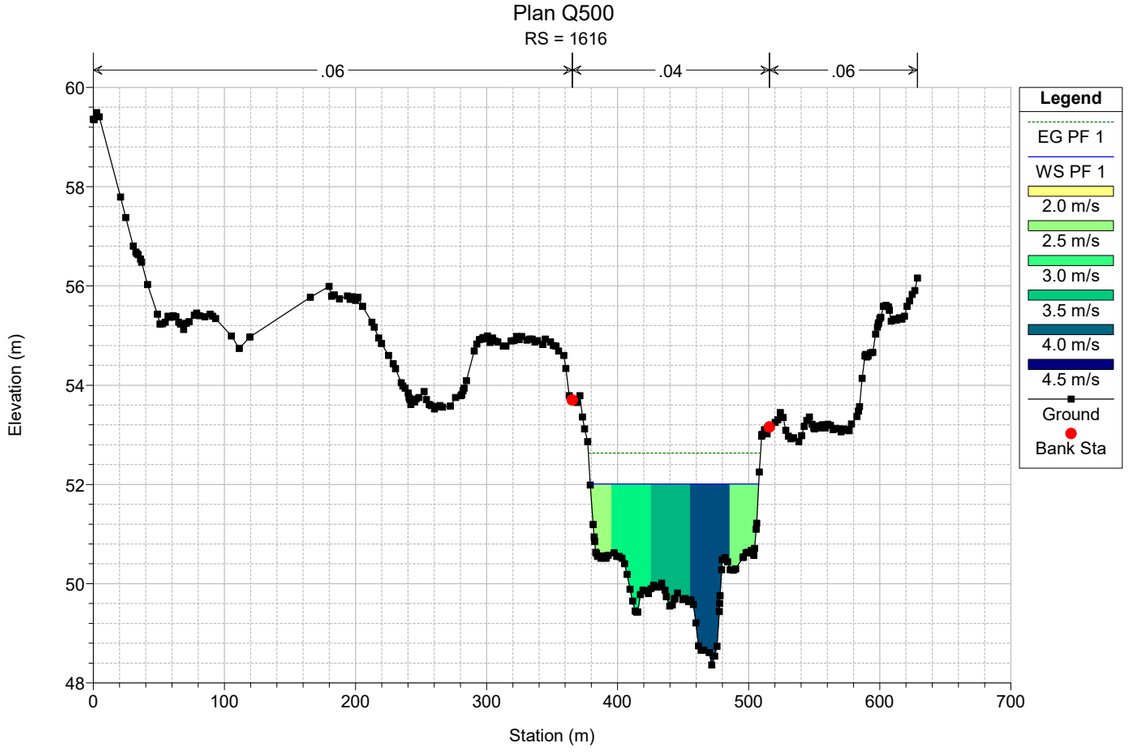

Plan Q500
RS = 1804
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

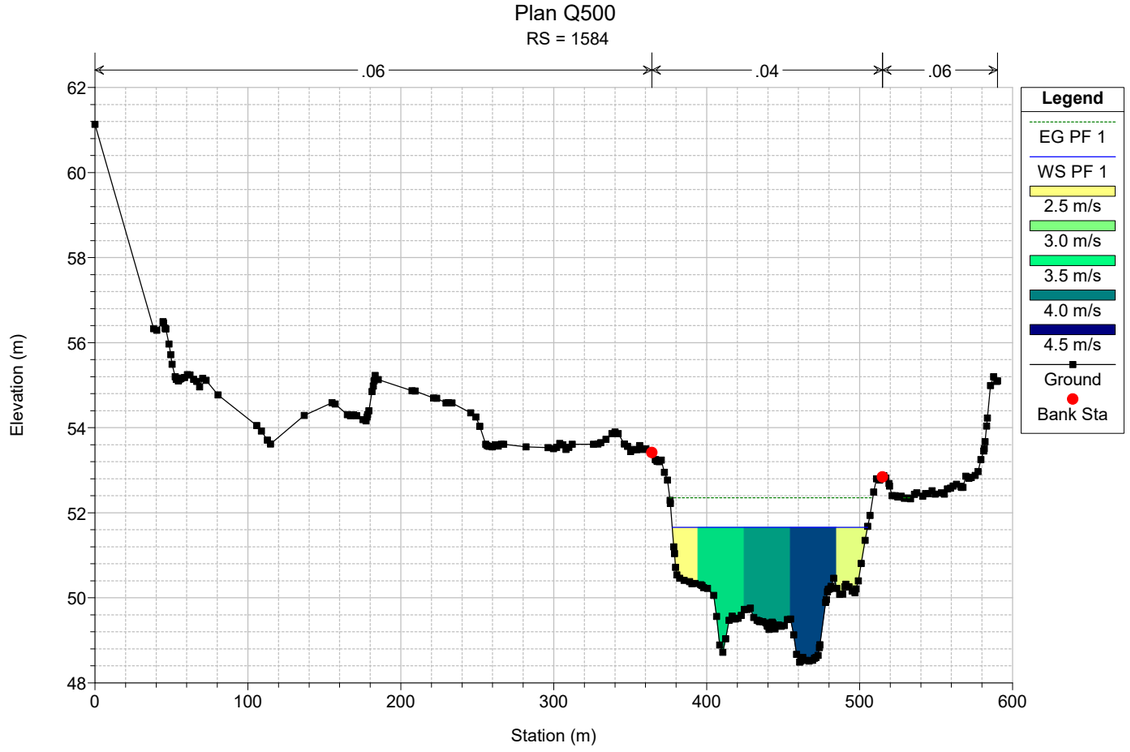

Plan Q500
RS = 1765
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

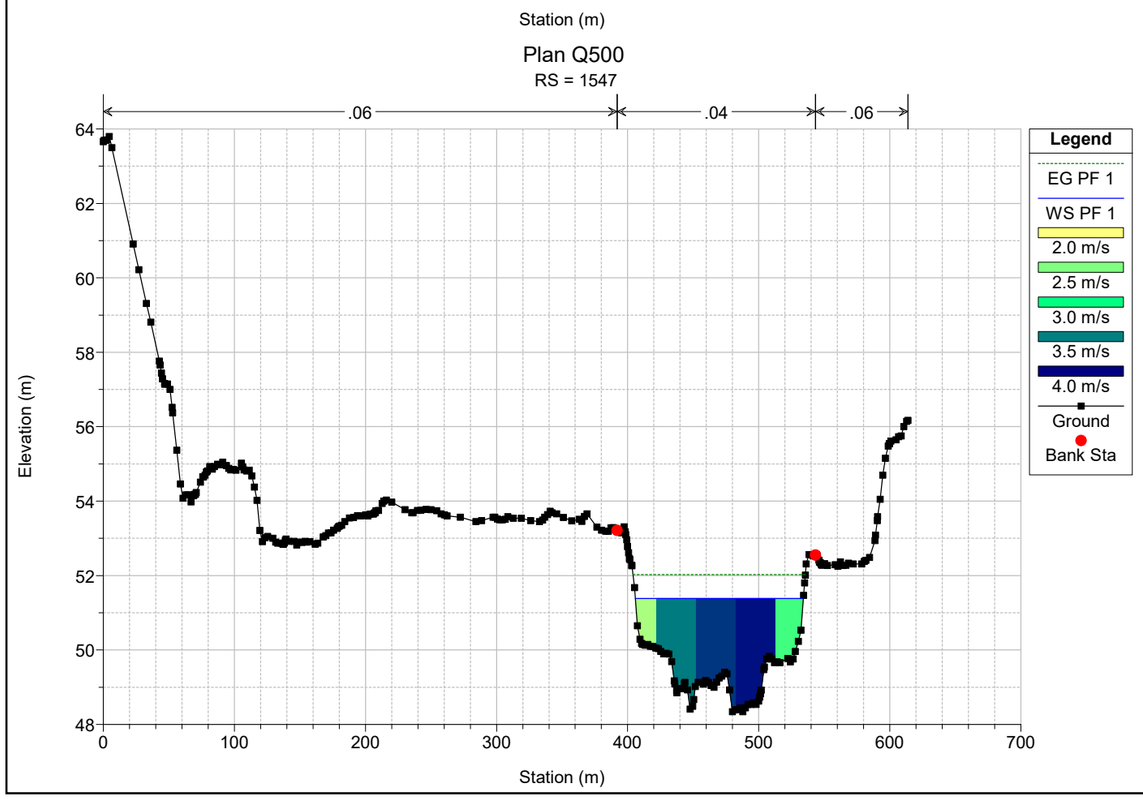

Plan Q500
RS = 1729
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

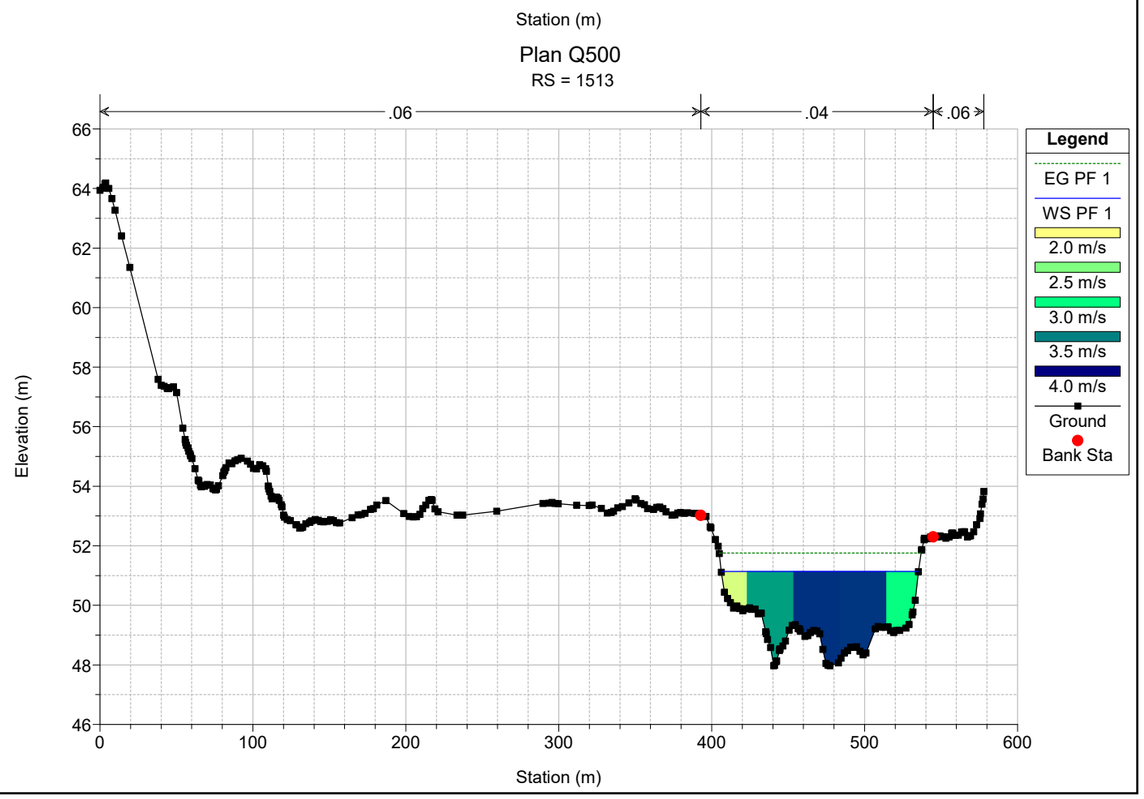

Plan Q500
RS = 1692
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

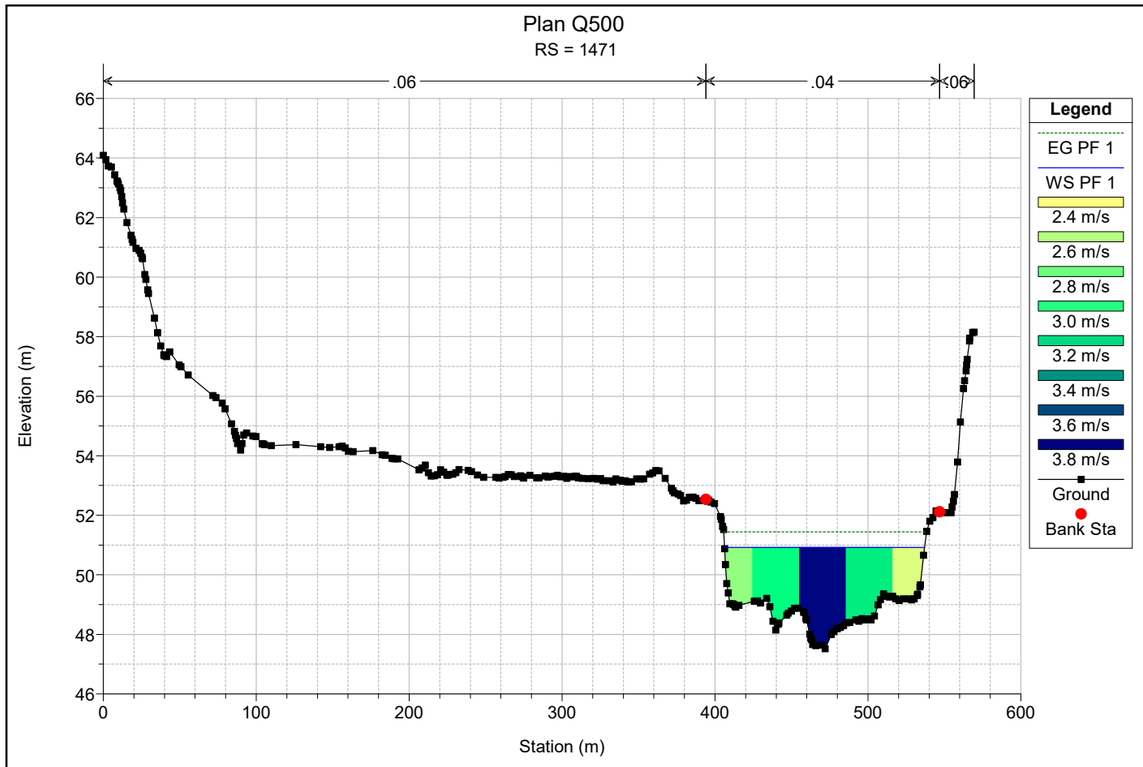

Plan Q500
RS = 1654
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

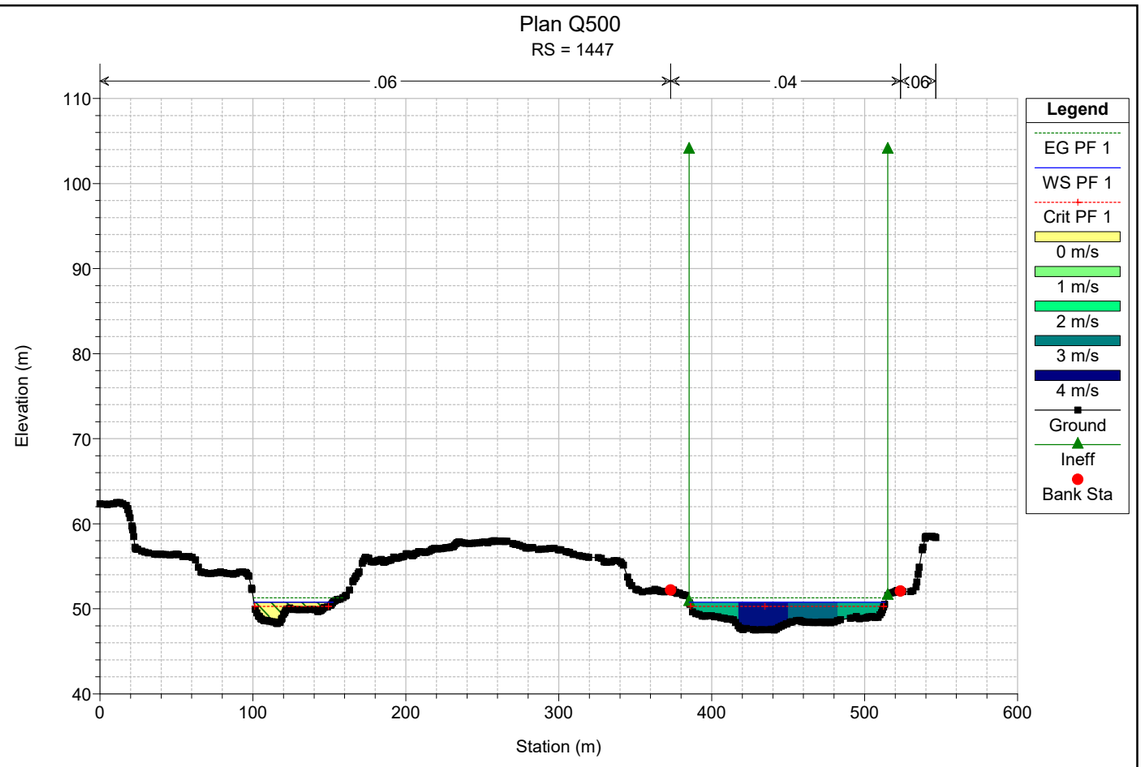

Plan Q500
RS = 1616
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta

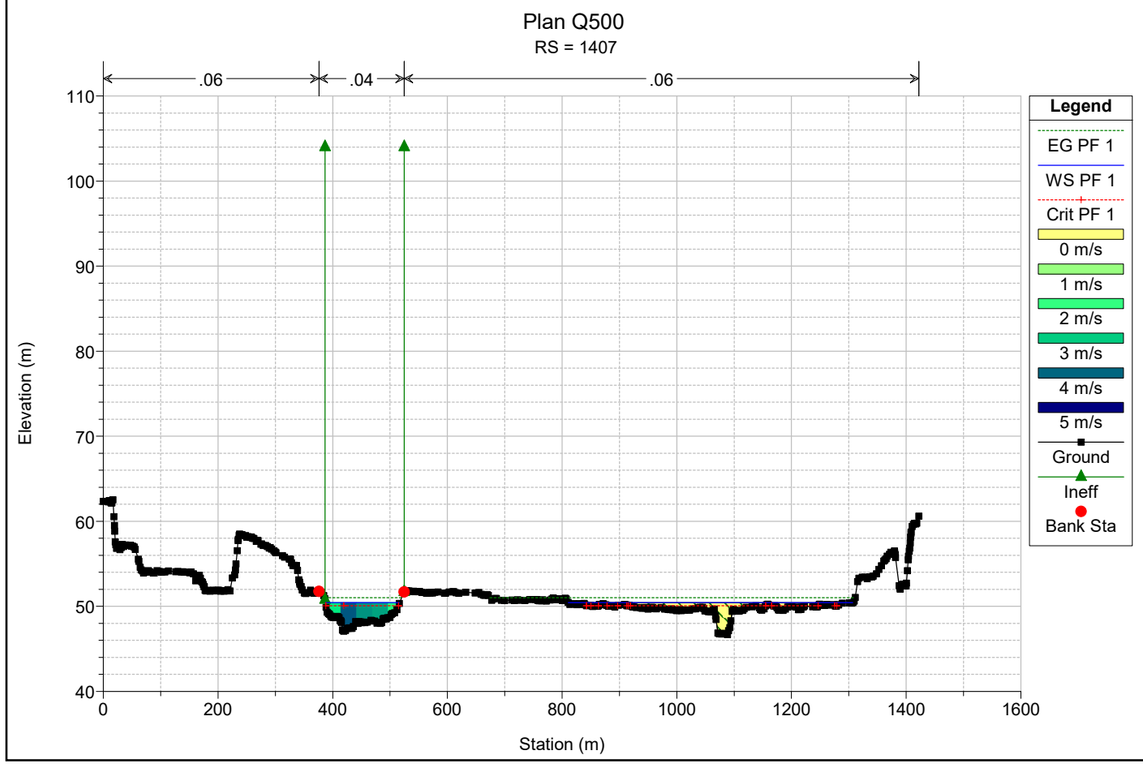

Plan Q500
RS = 1584
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Bank Sta

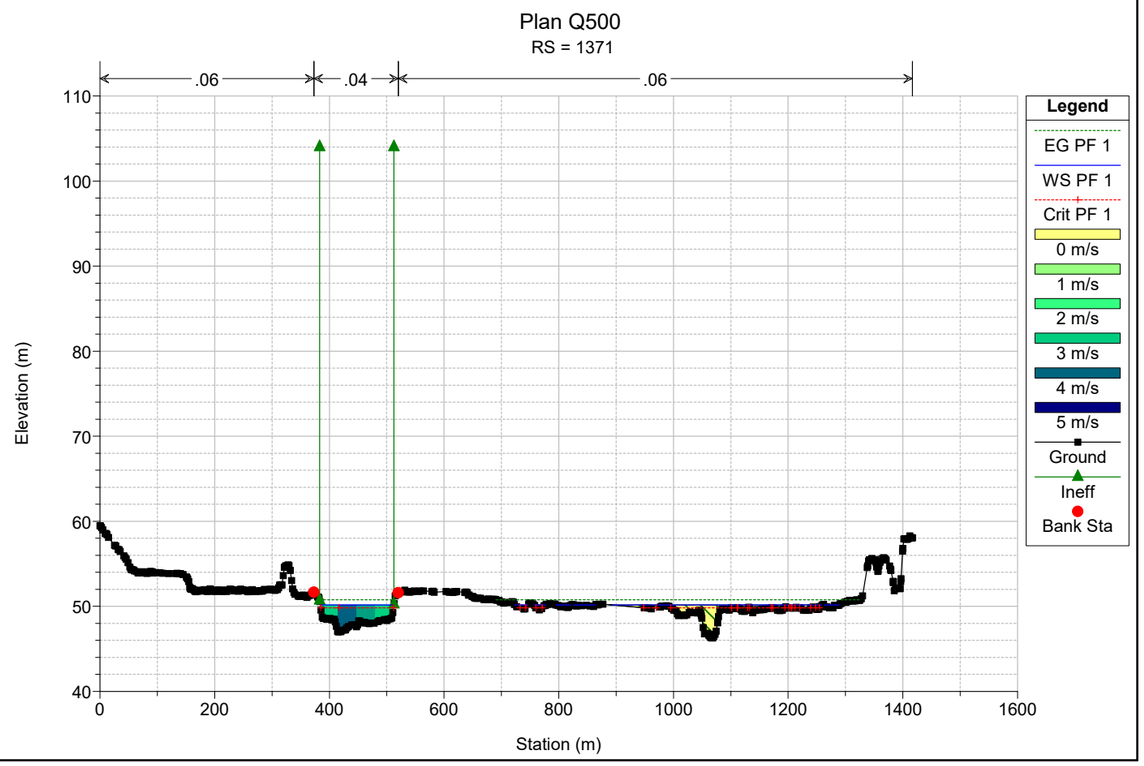

Plan Q500
RS = 1547
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

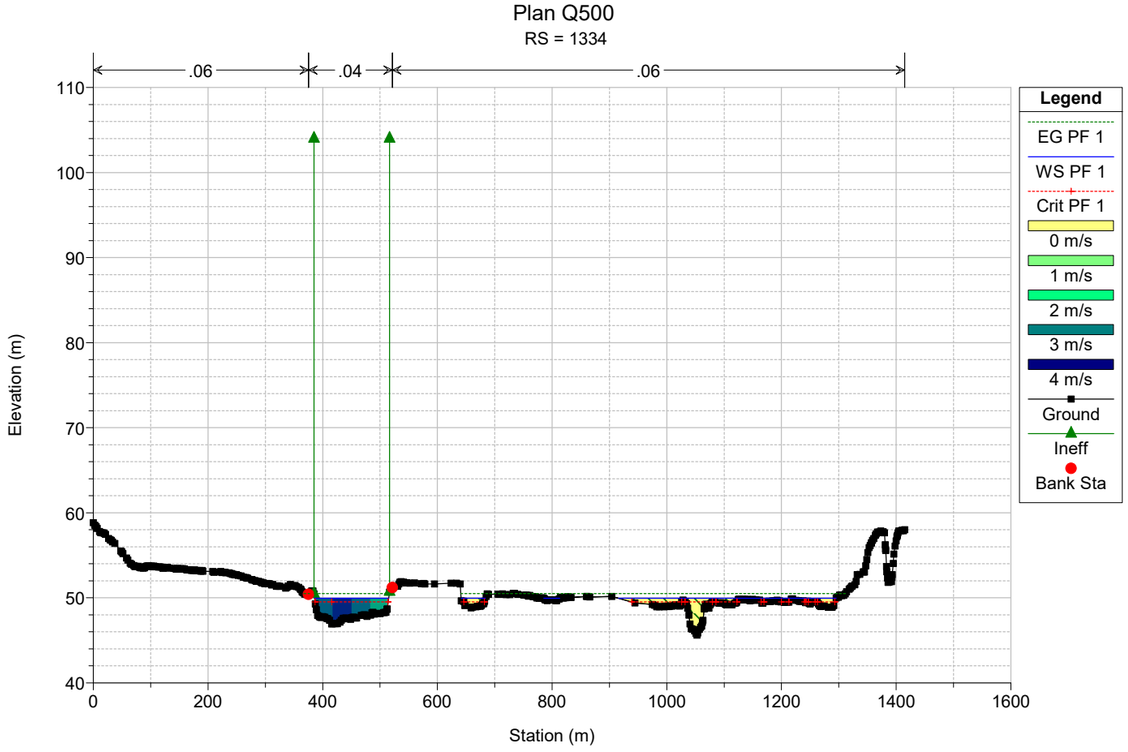

Plan Q500
RS = 1513
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
Ground
Bank Sta

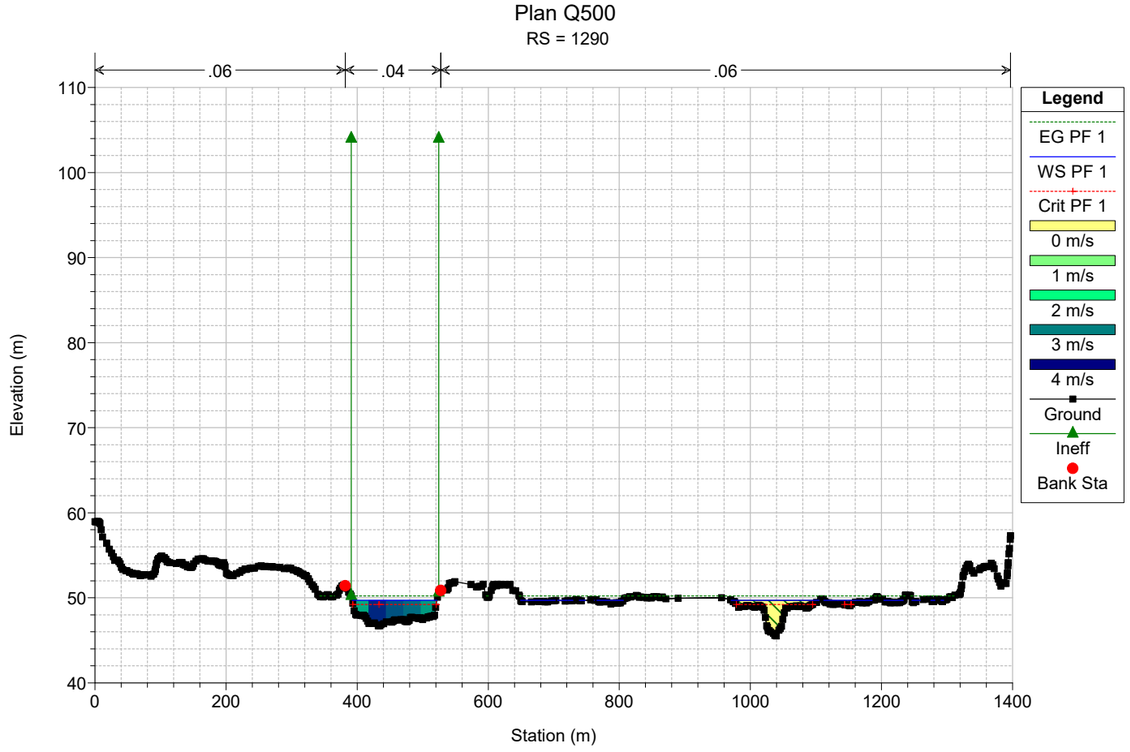

Plan Q500
RS = 1471
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
2.4 m/s
2.6 m/s
2.8 m/s
3.0 m/s
3.2 m/s
3.4 m/s
3.6 m/s
3.8 m/s
Ground
Bank Sta

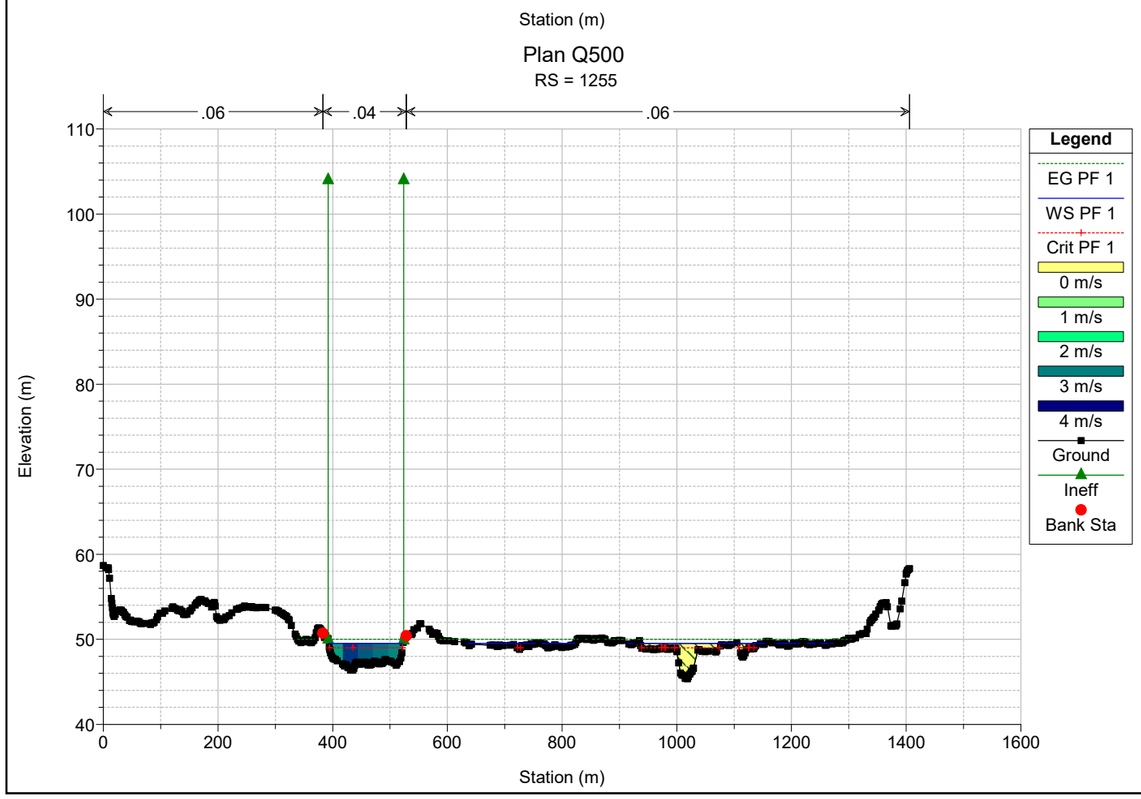

Plan Q500
RS = 1447
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

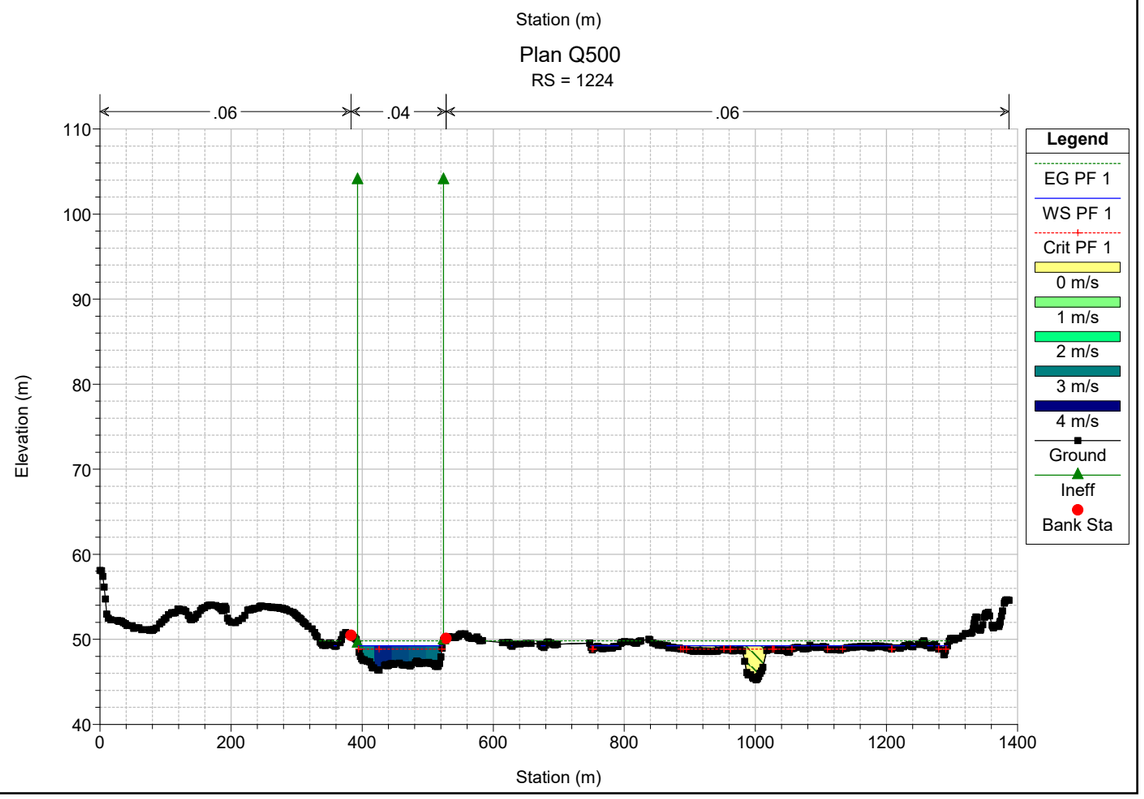

Plan Q500
RS = 1407
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

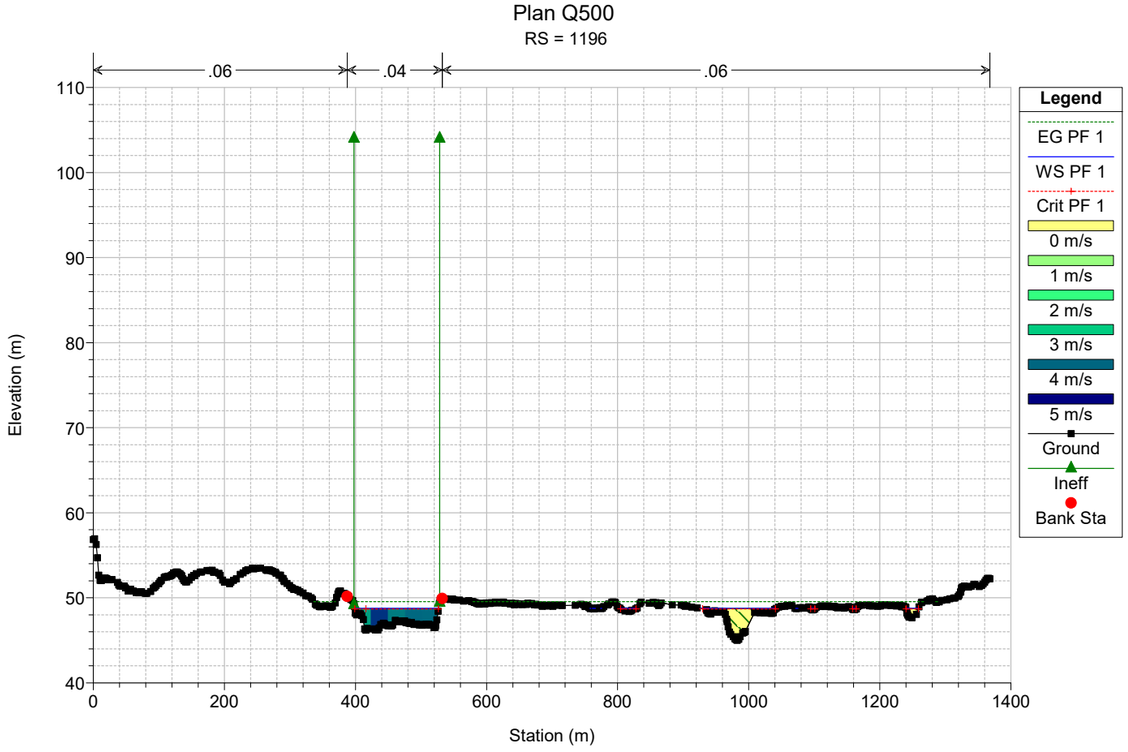

Plan Q500
RS = 1371
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

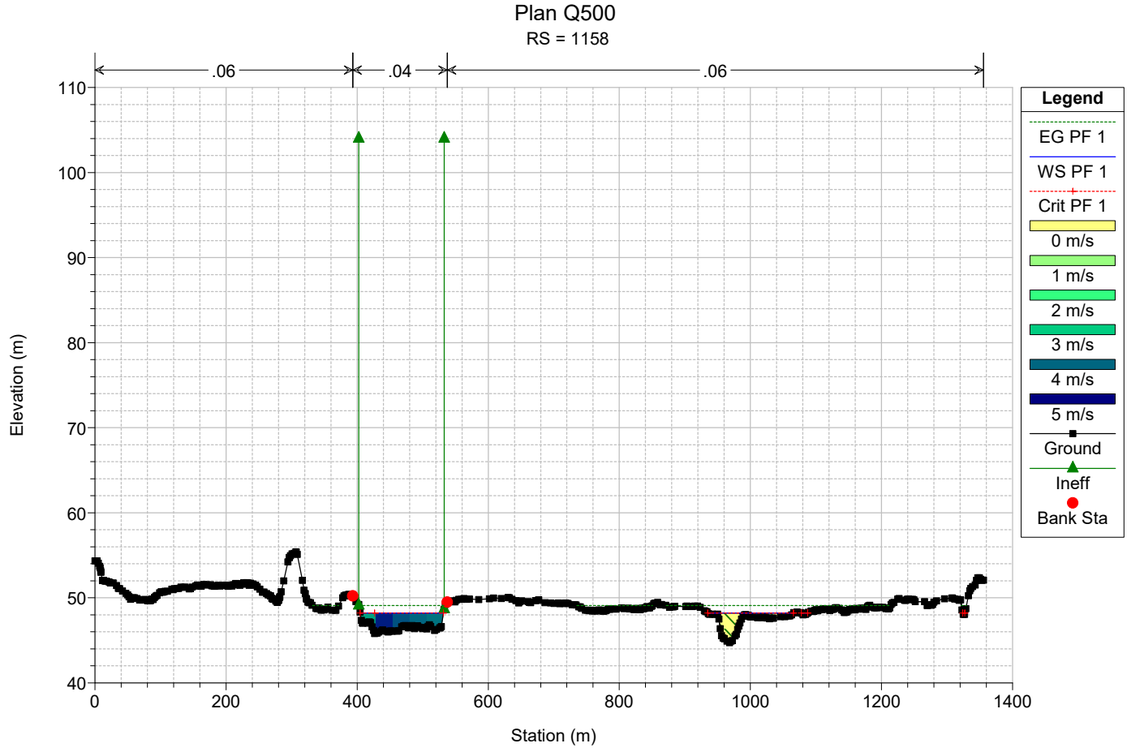

Plan Q500
RS = 1334
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

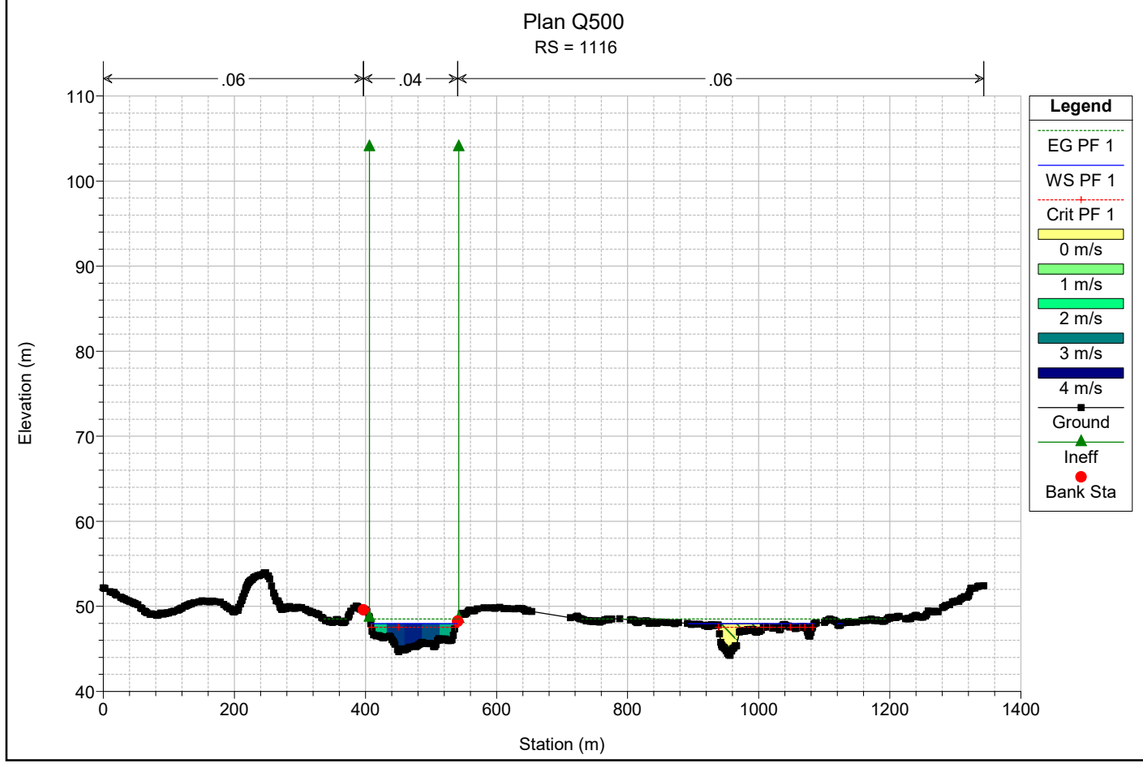

Plan Q500
RS = 1290
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

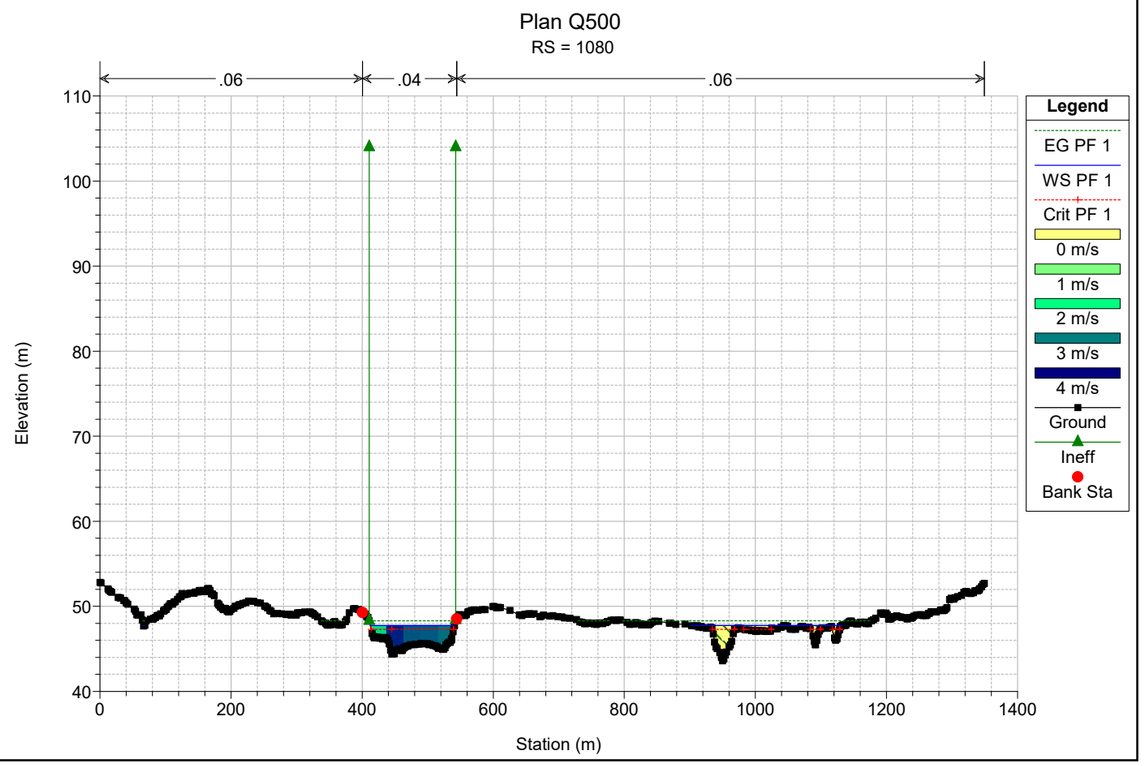

Plan Q500
RS = 1255
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

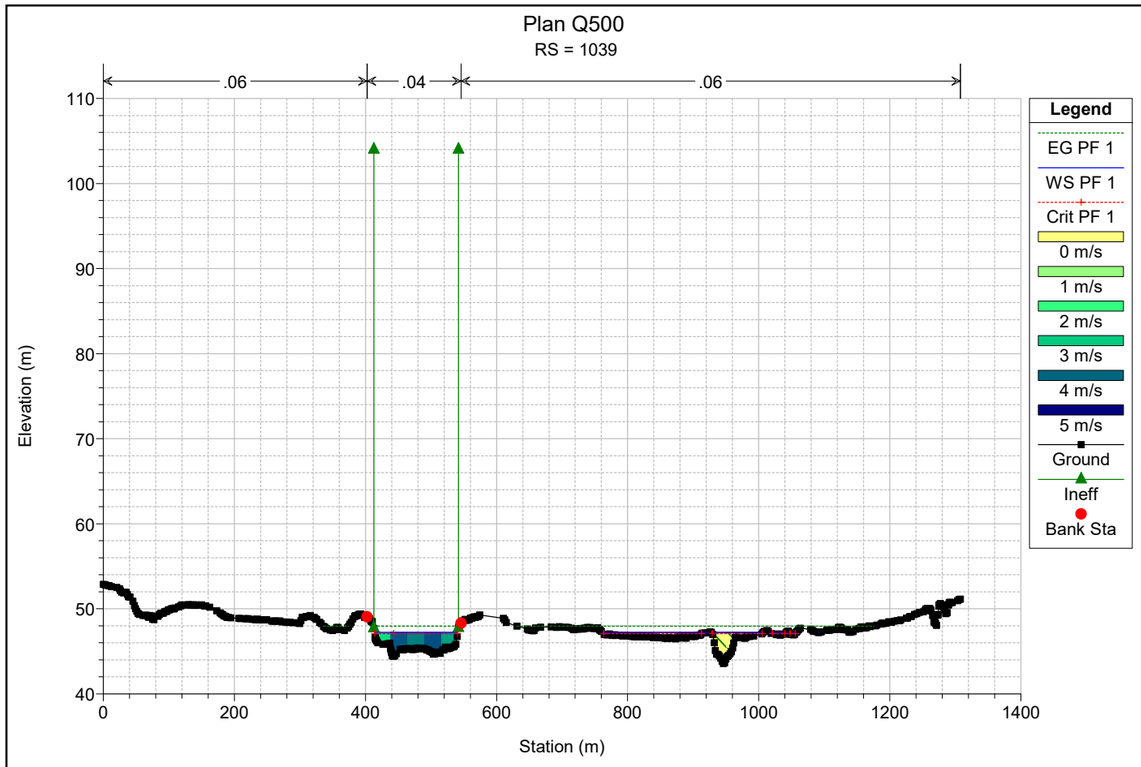

Plan Q500
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

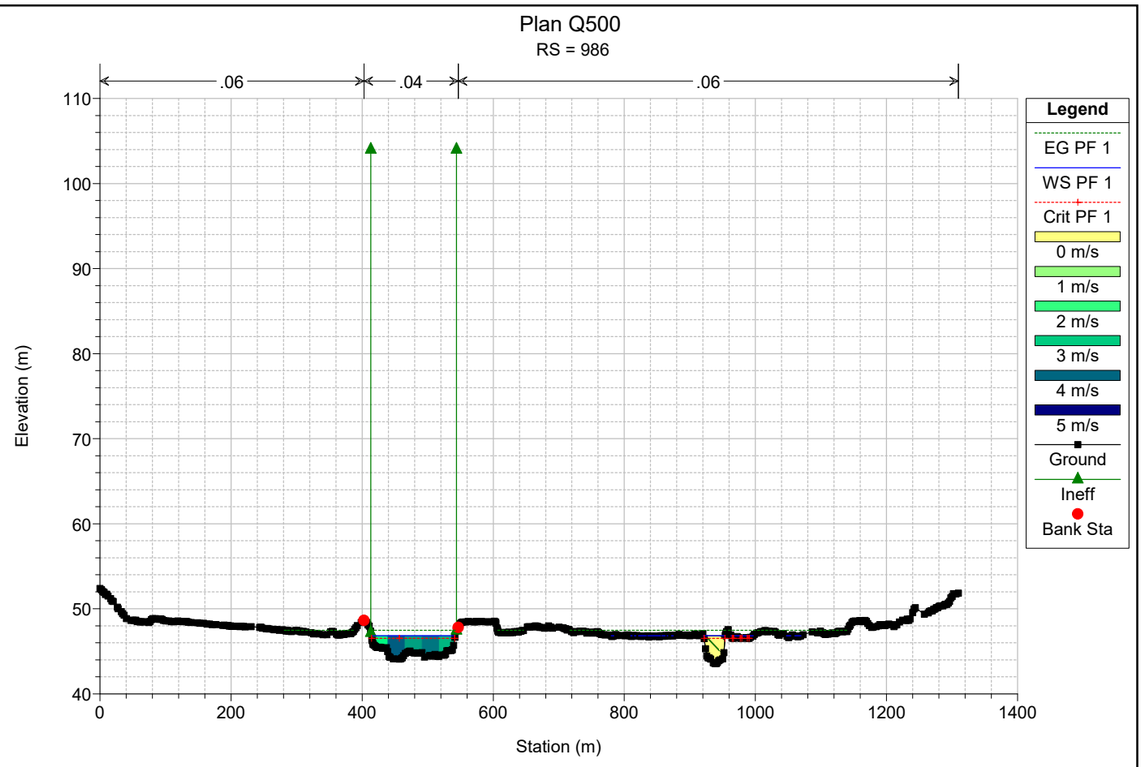

Plan Q500
RS = 1196
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

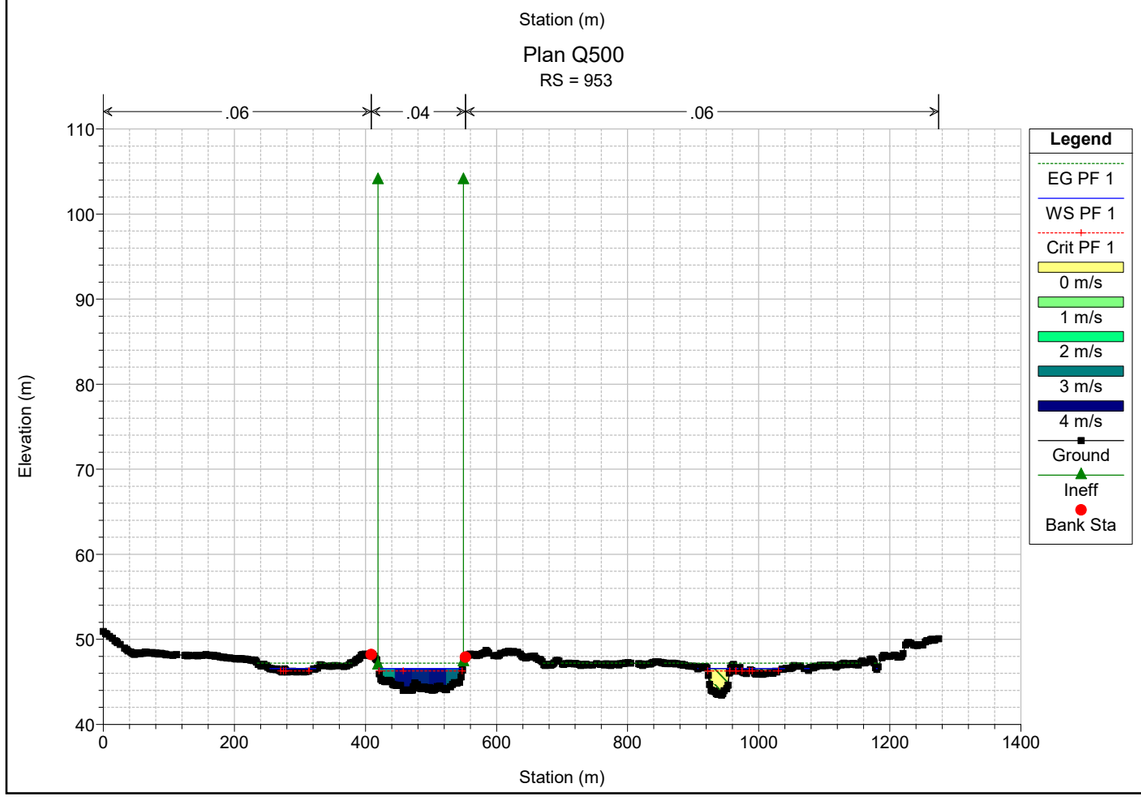

Plan Q500
RS = 1158
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

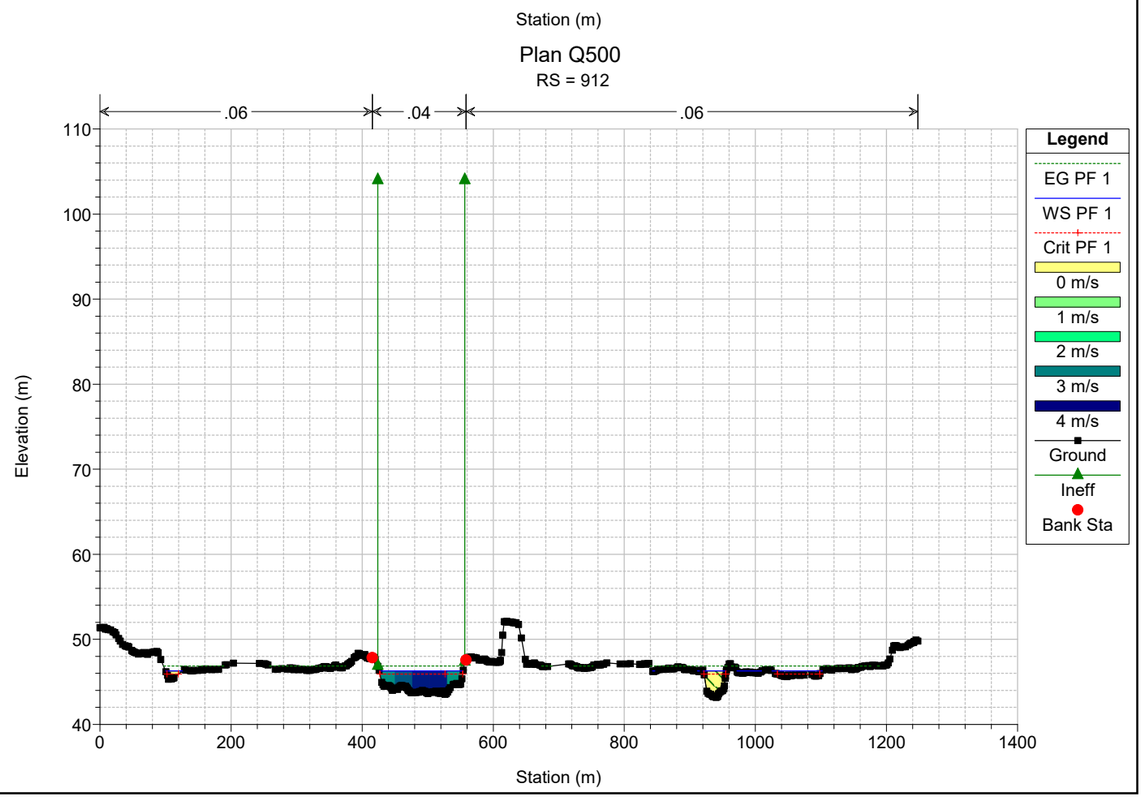

Plan Q500
RS = 1116
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

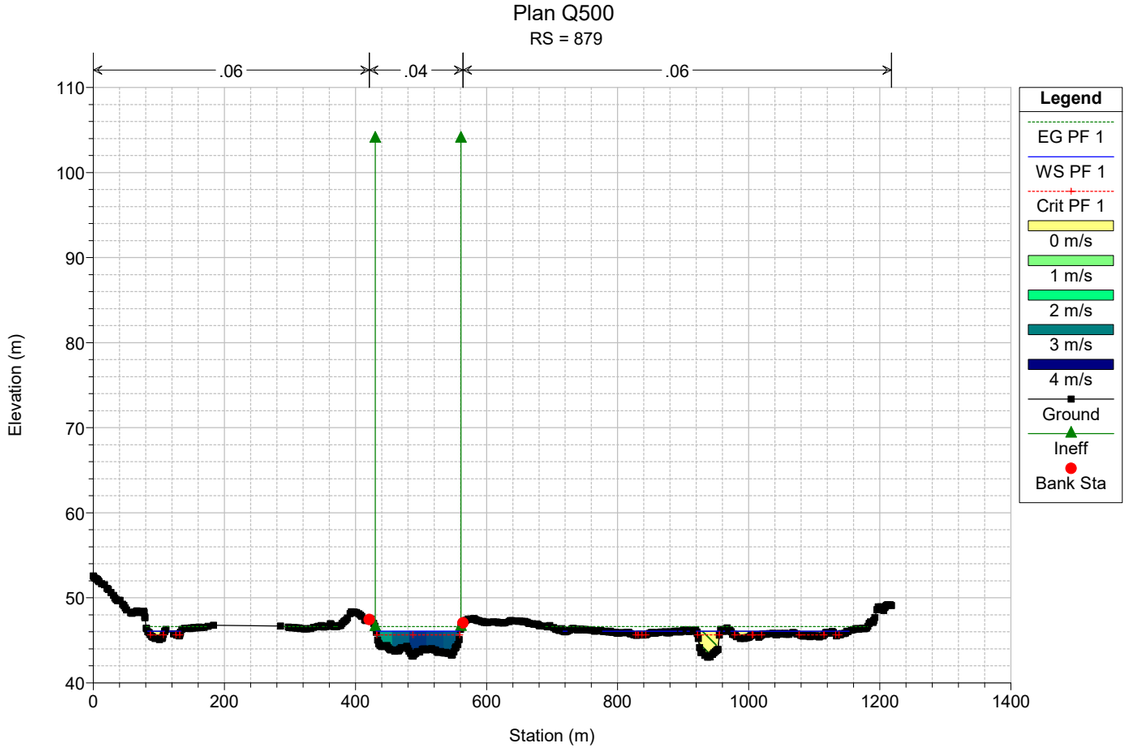

Plan Q500
RS = 1080
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

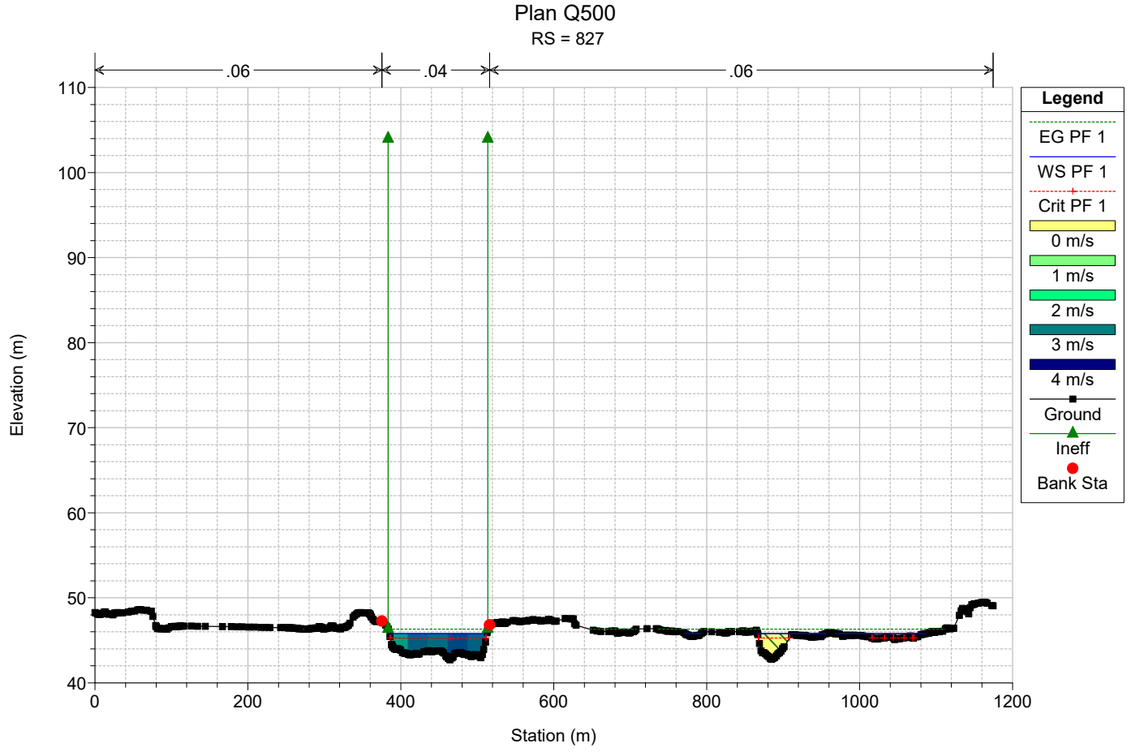

Plan Q500
RS = 1039
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

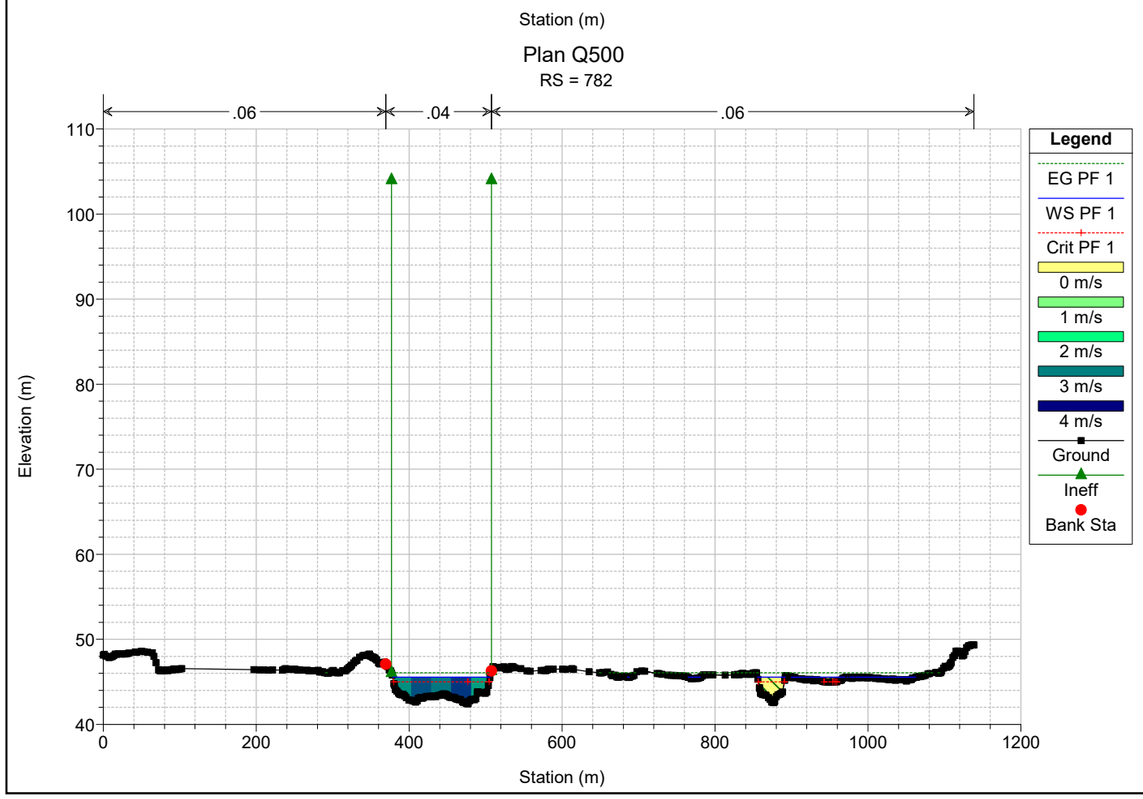

Plan Q500
RS = 986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

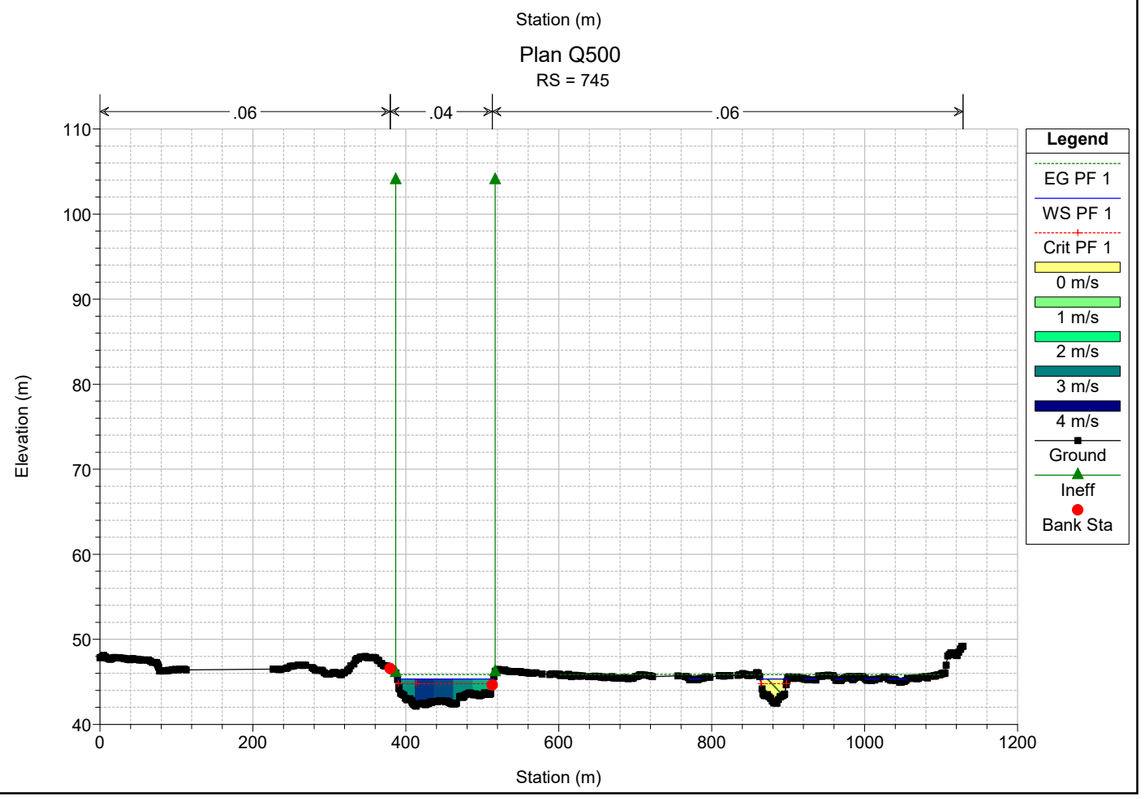

Plan Q500
RS = 953
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

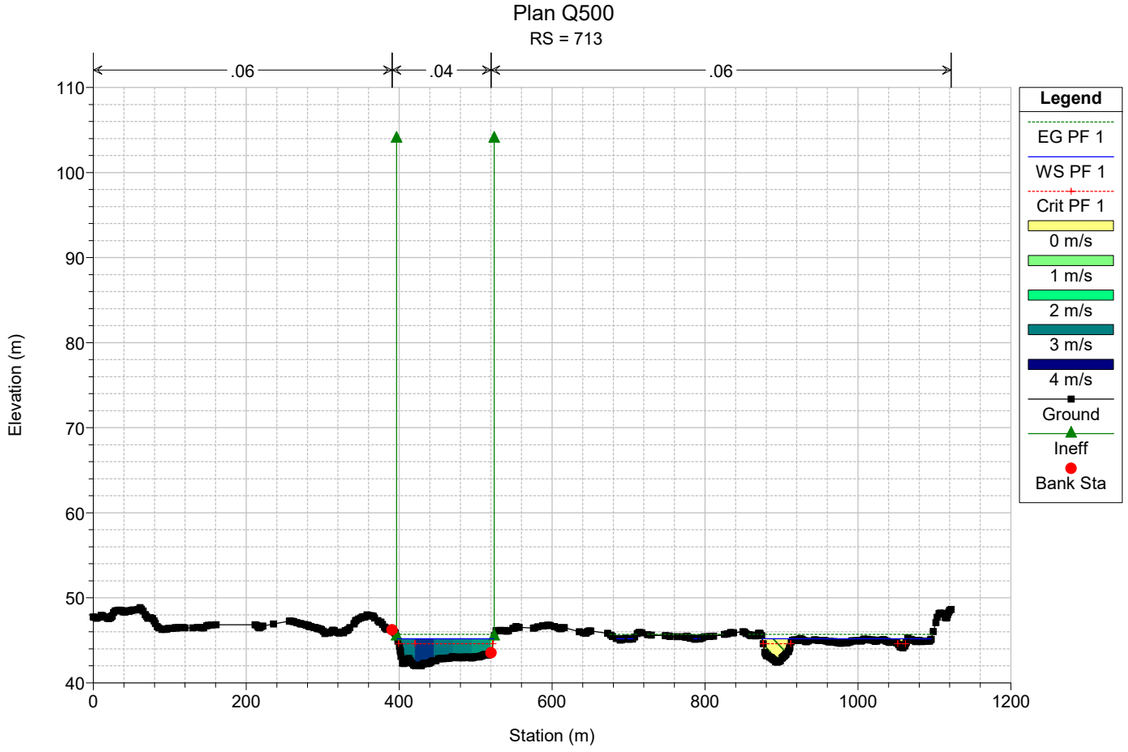

Plan Q500
RS = 912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

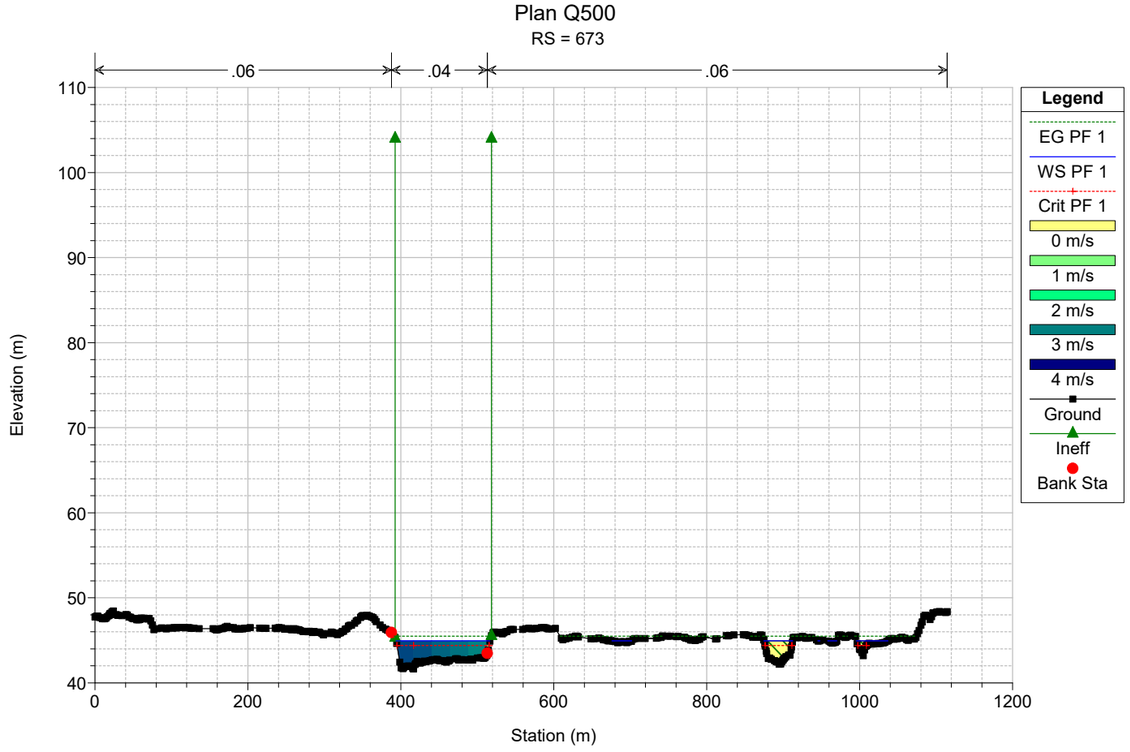

Plan Q500
RS = 879
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

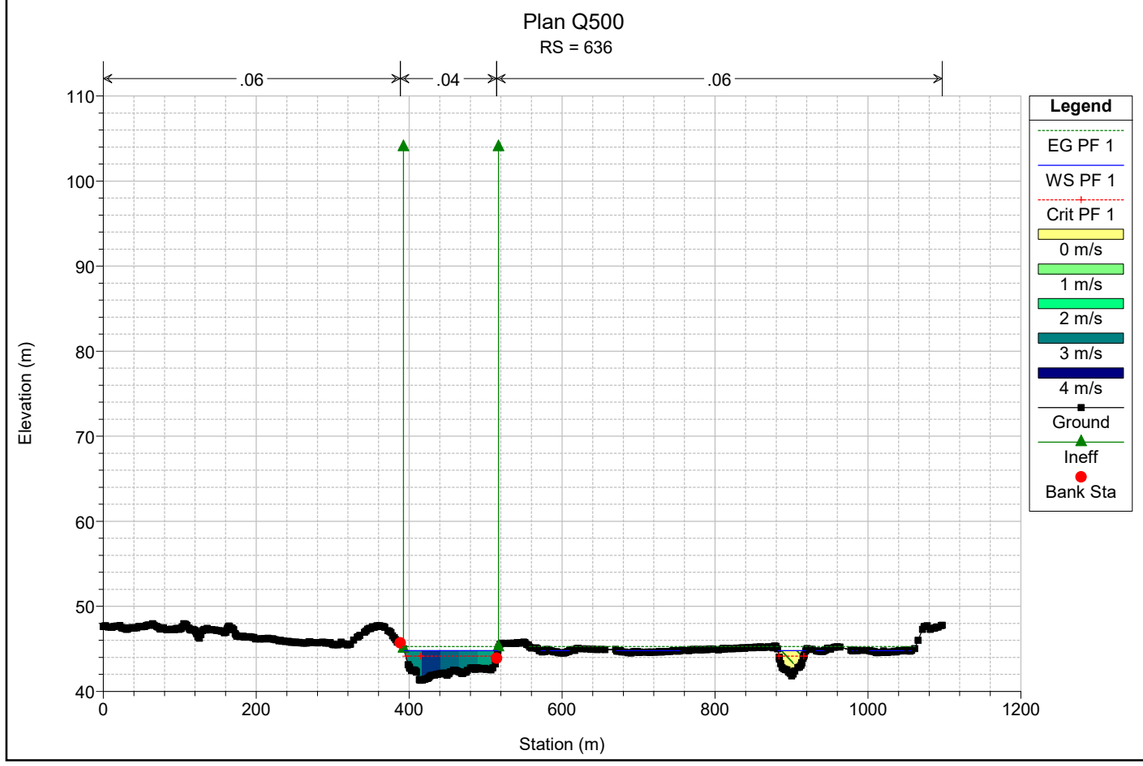

Plan Q500
RS = 827
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

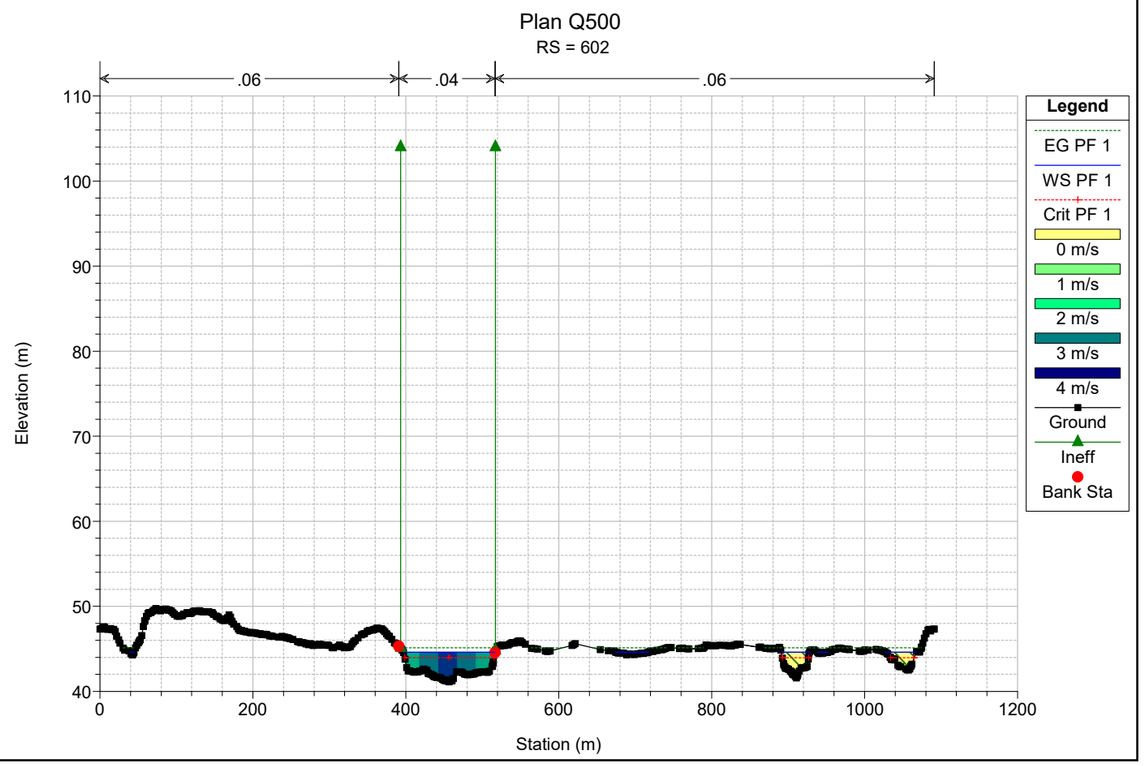

Plan Q500
RS = 782
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

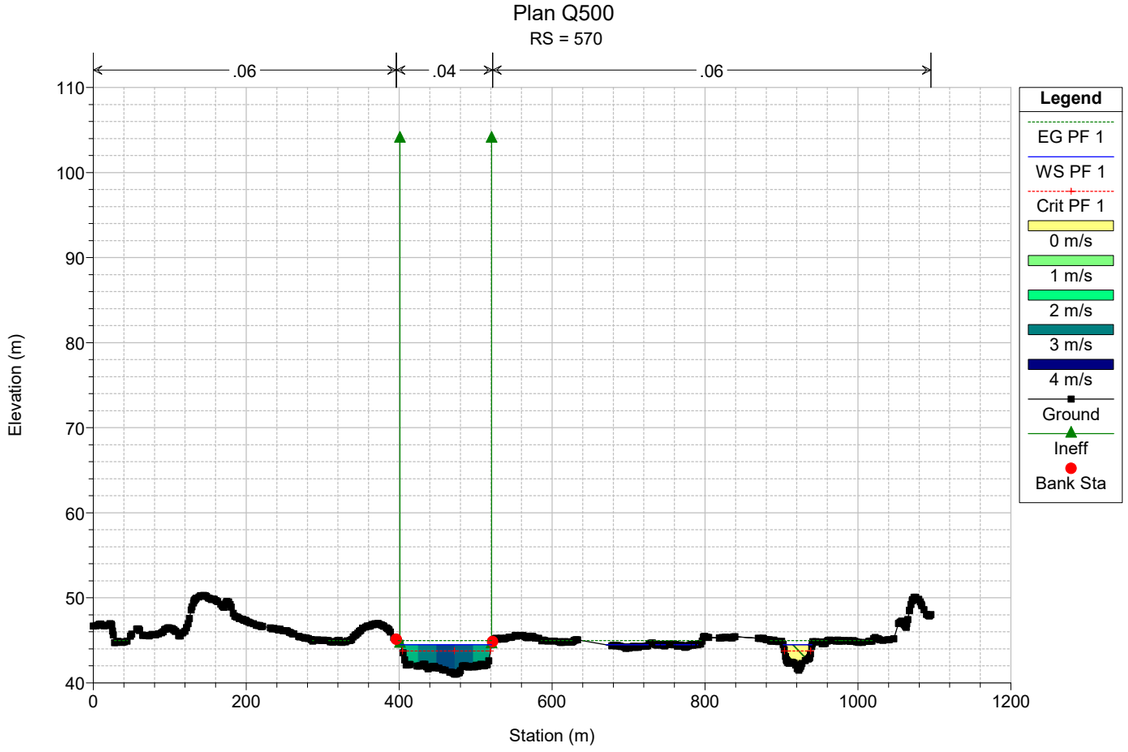

Plan Q500
RS = 745
.06
.04
.06
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta
Elevation (m)
Station (m)

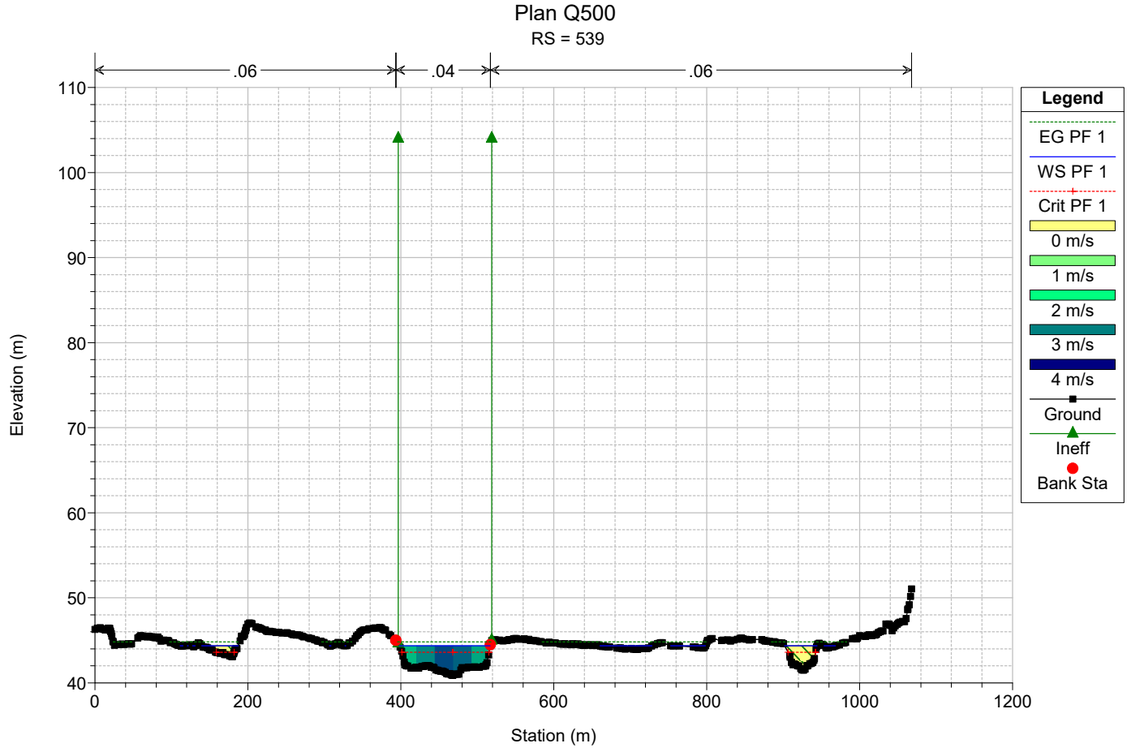

Plan Q500
RS = 713
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

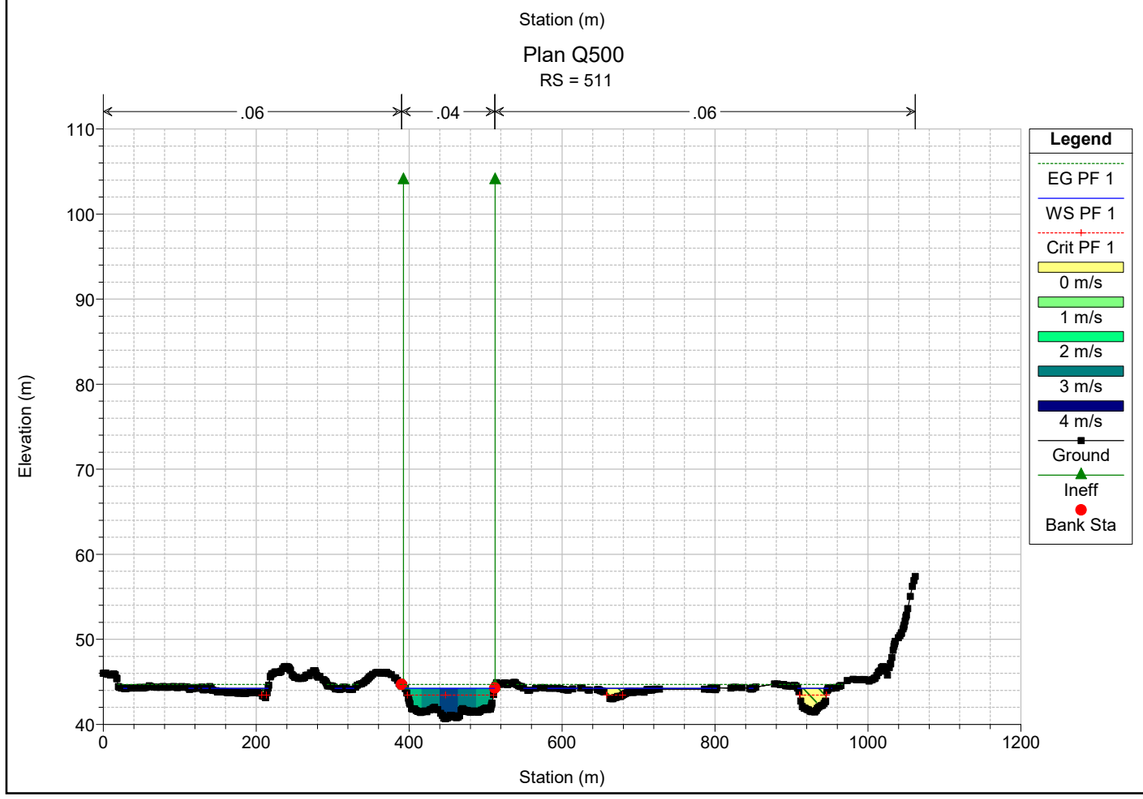

Plan Q500
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

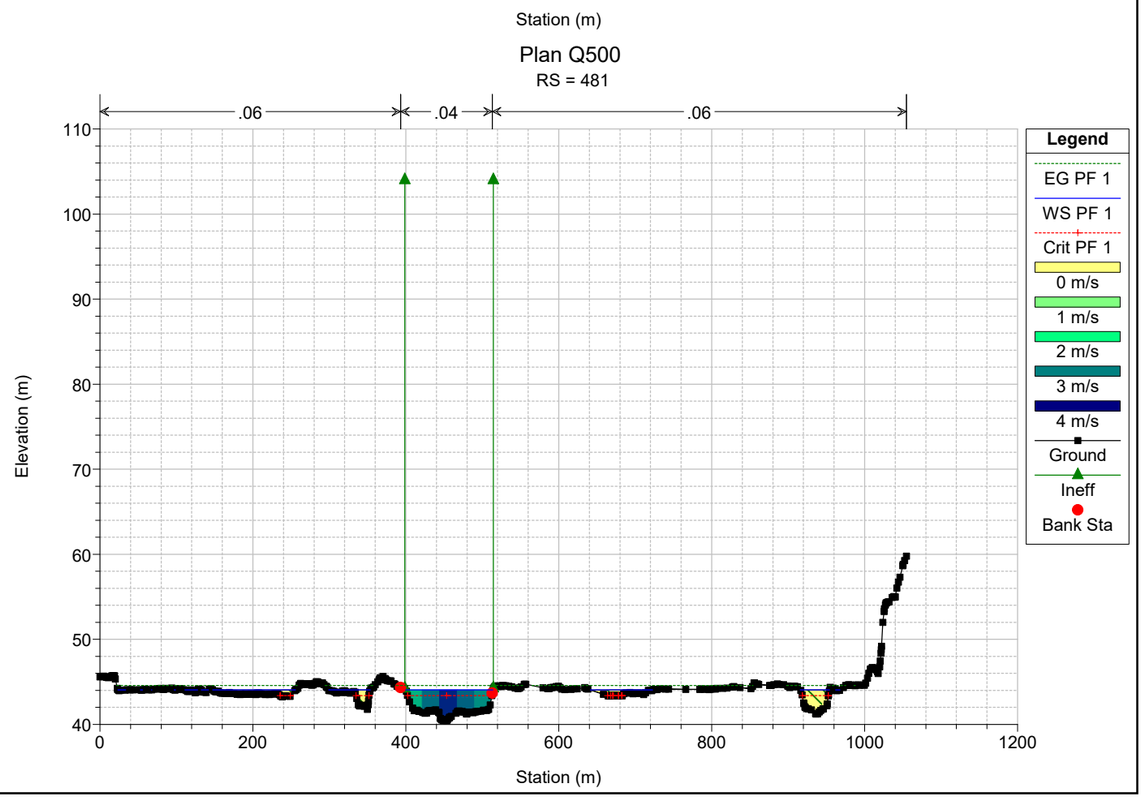

Plan Q500
RS = 636
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

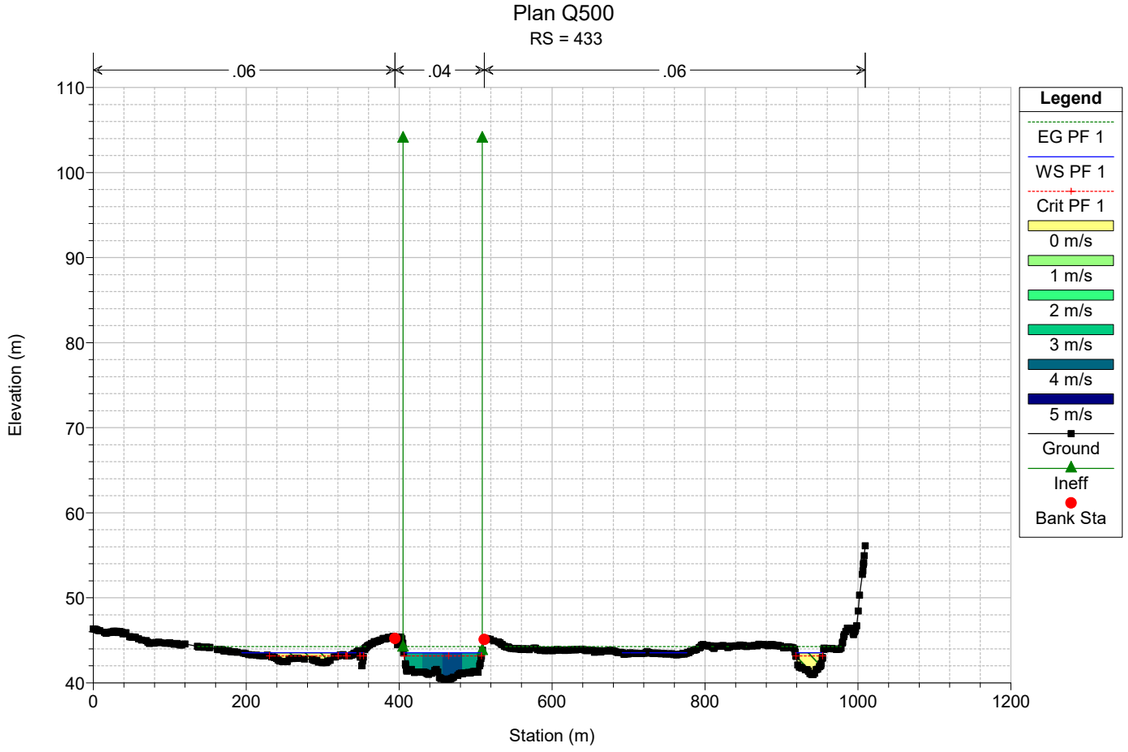

Plan Q500
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

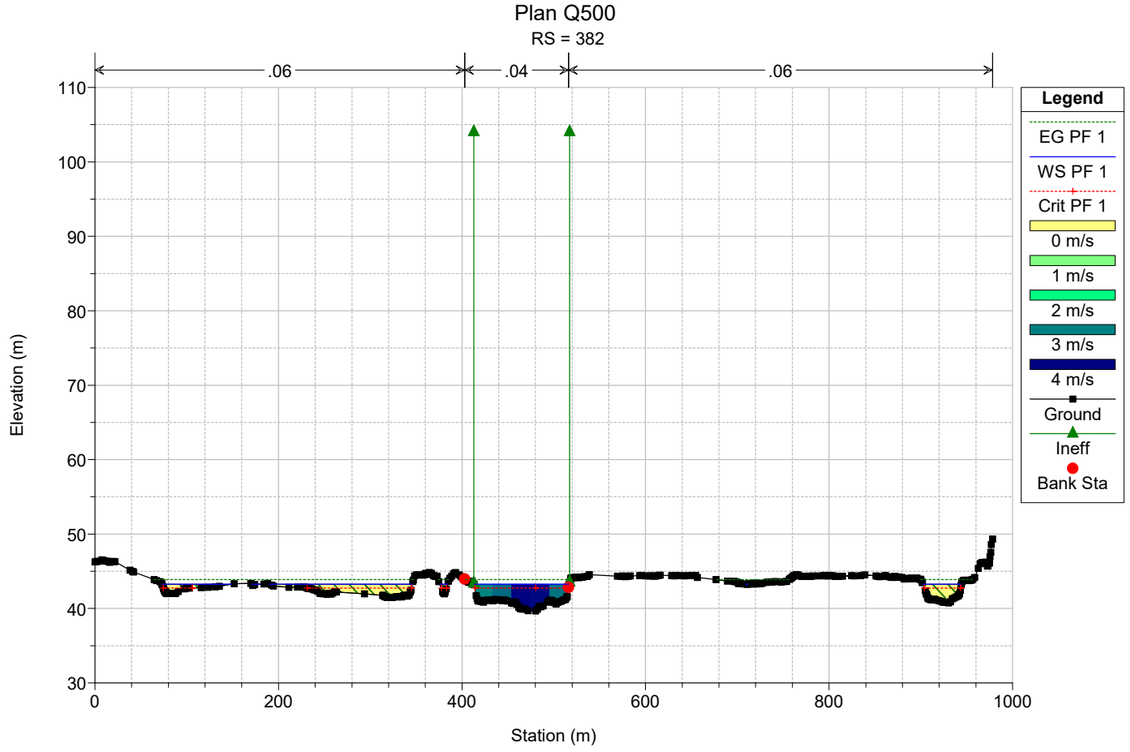

Plan Q500
RS = 570
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

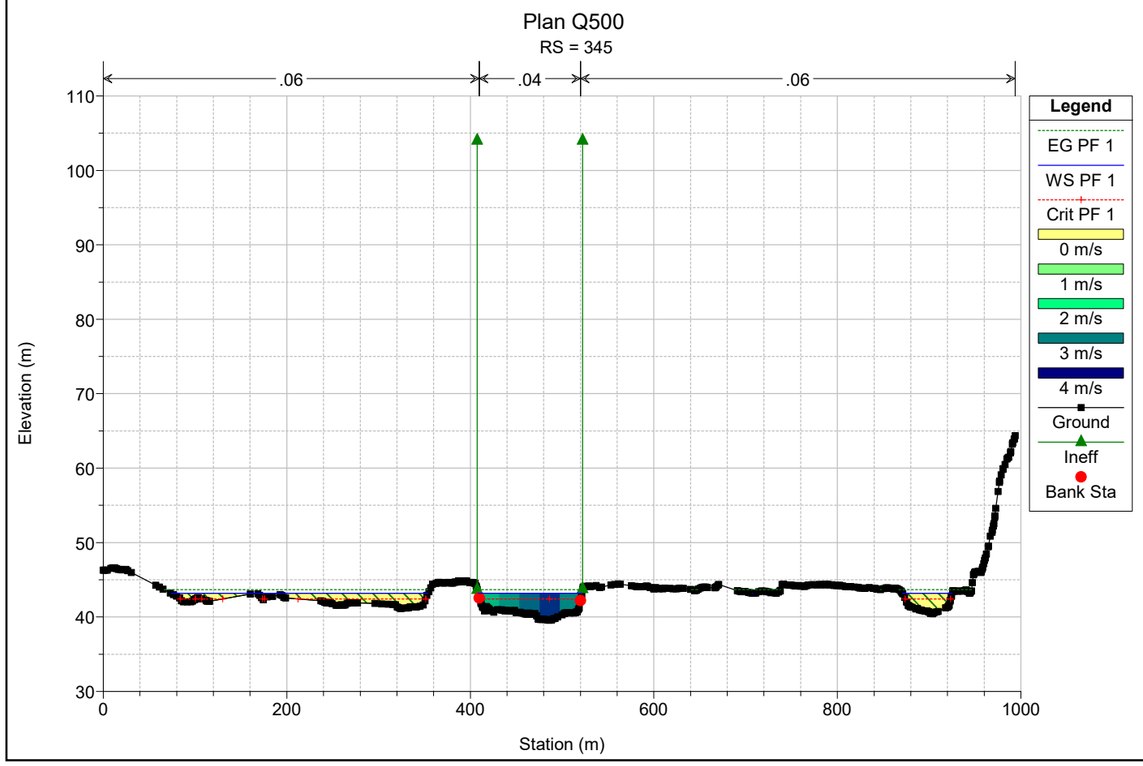

Plan Q500
RS = 539
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

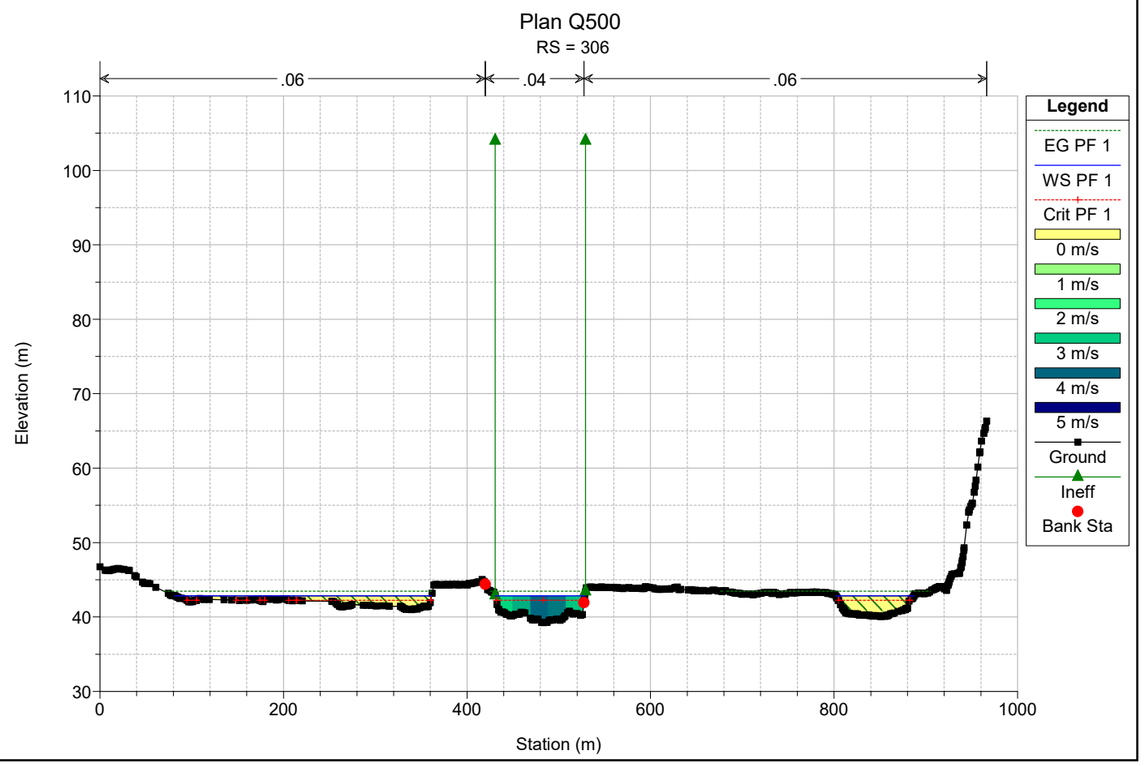

Plan Q500
RS = 511
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

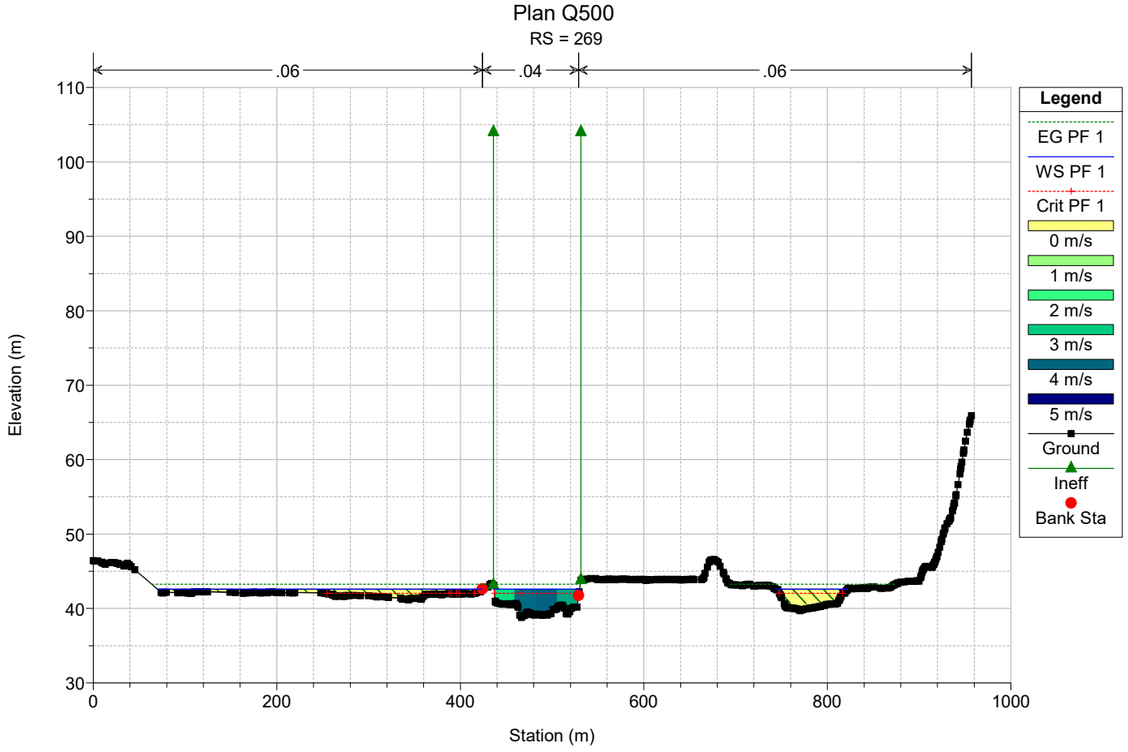

Plan Q500
RS = 481
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

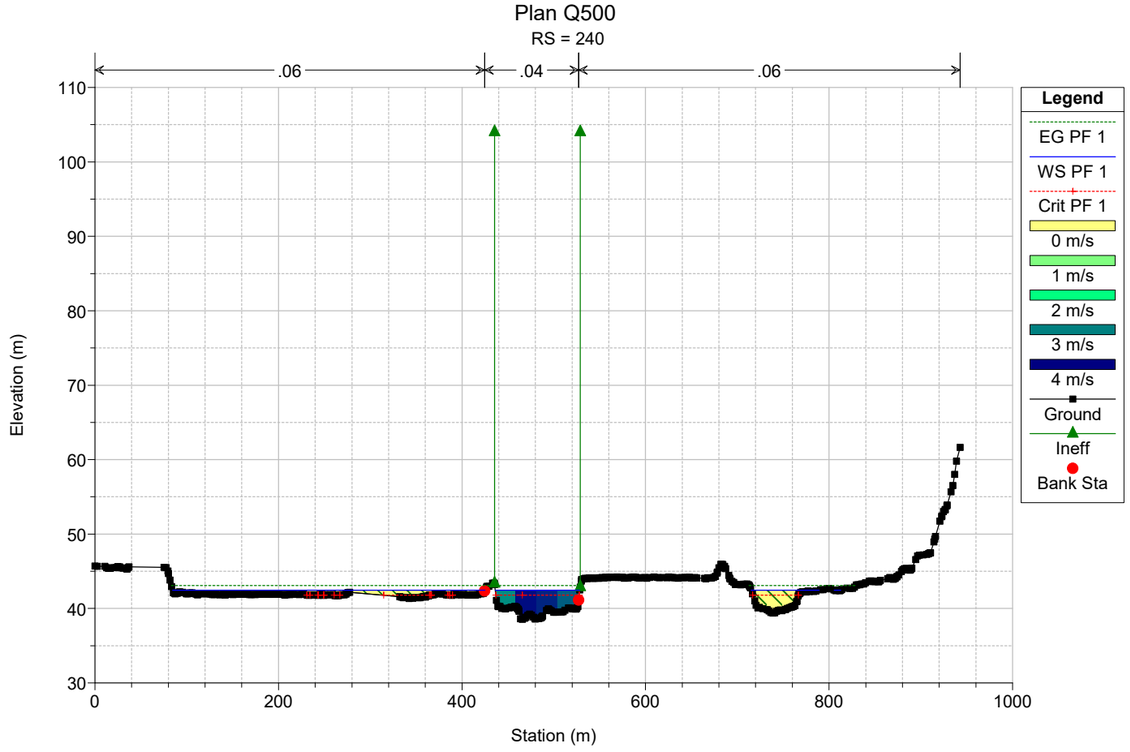

Plan Q500
RS = 433
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

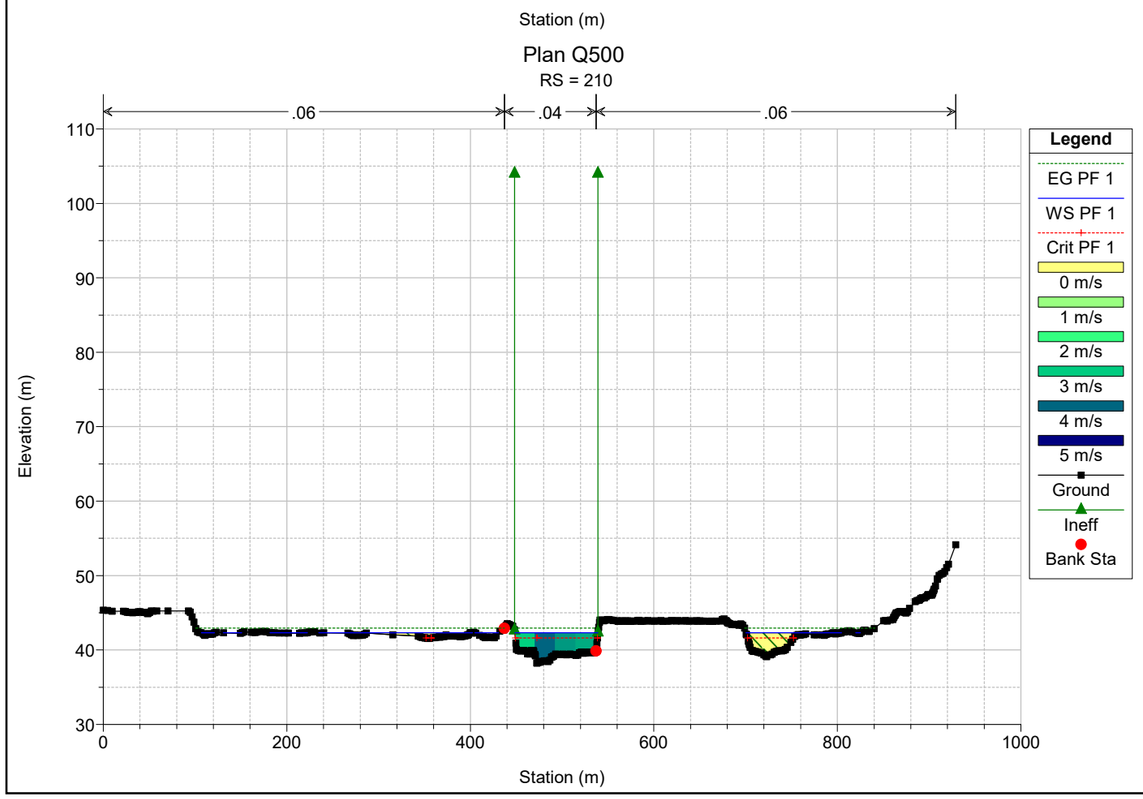

Plan Q500
RS = 382
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

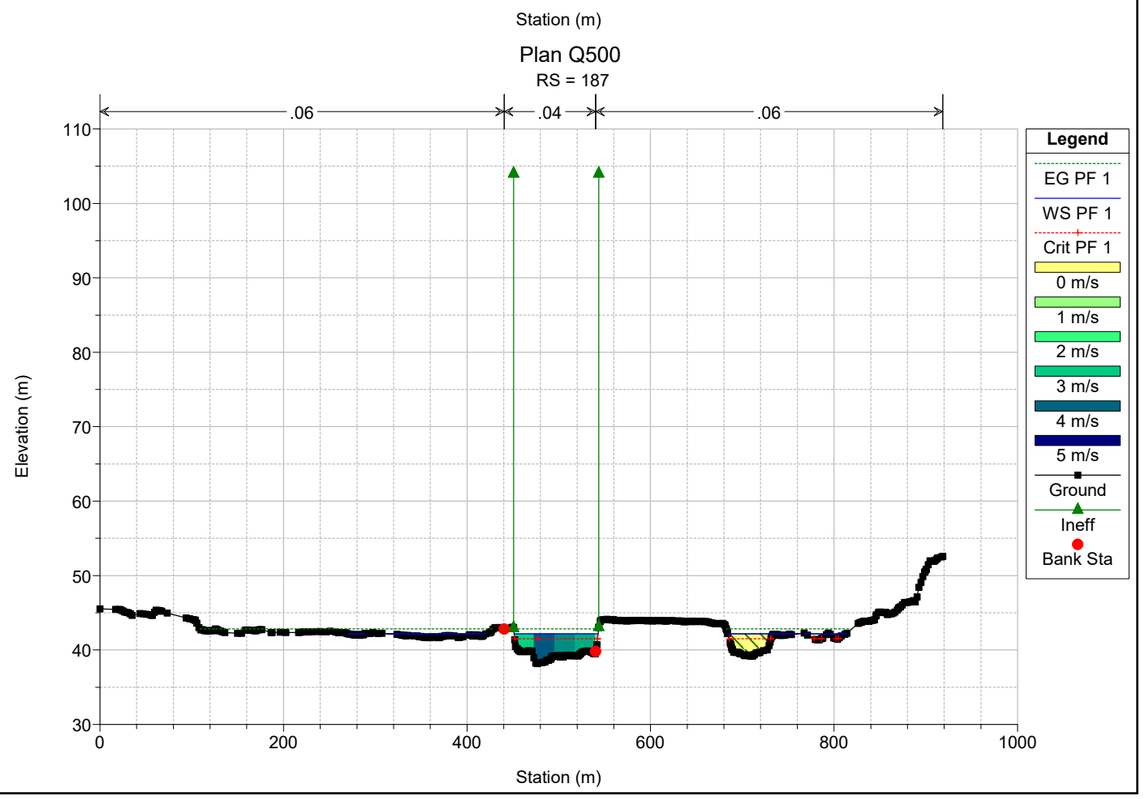

Plan Q500
RS = 345
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

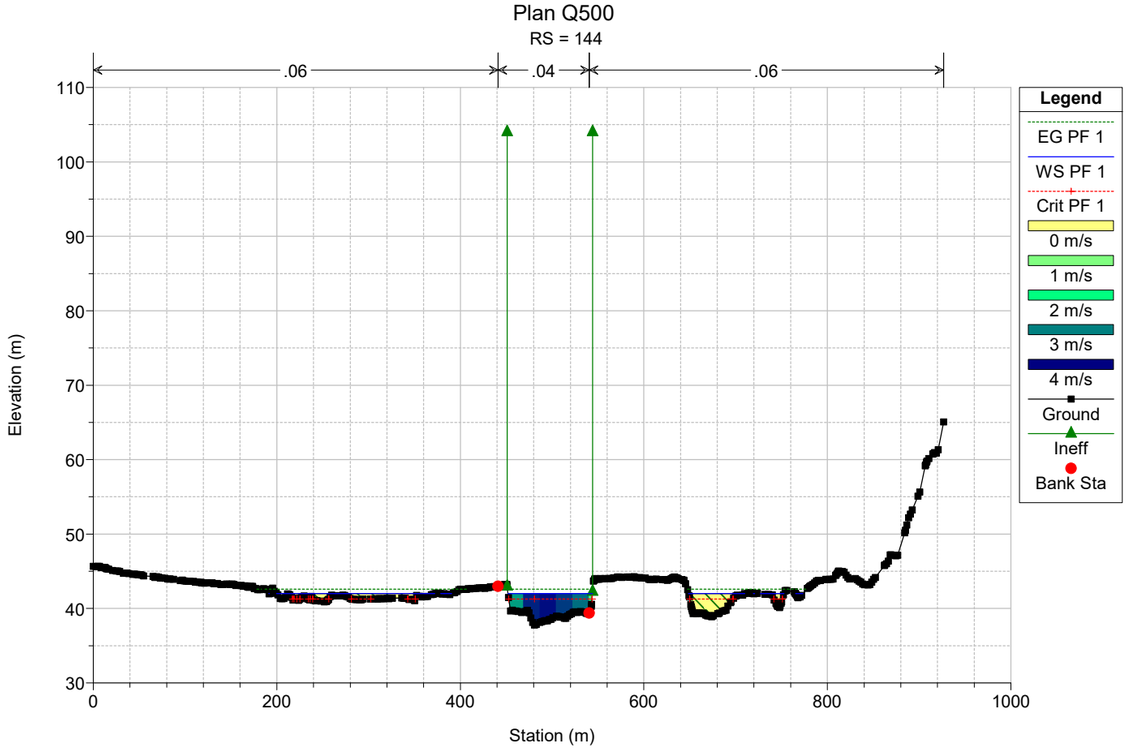

Plan Q500
RS = 306
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

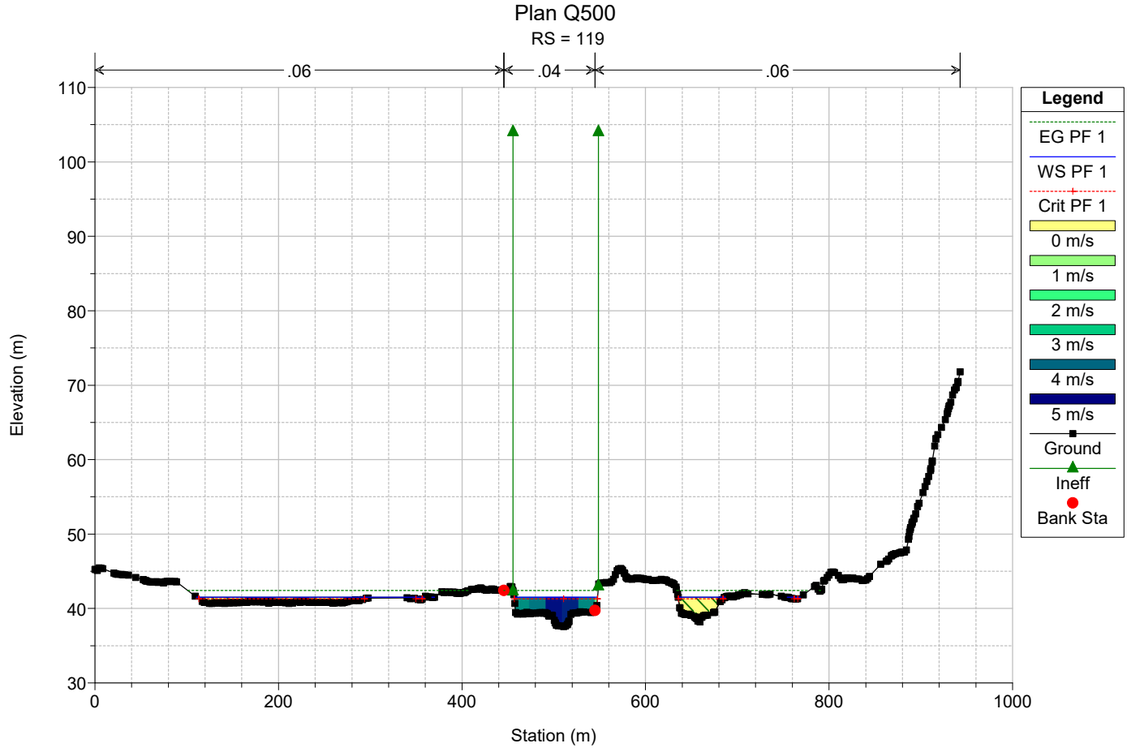

Plan Q500
RS = 269
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

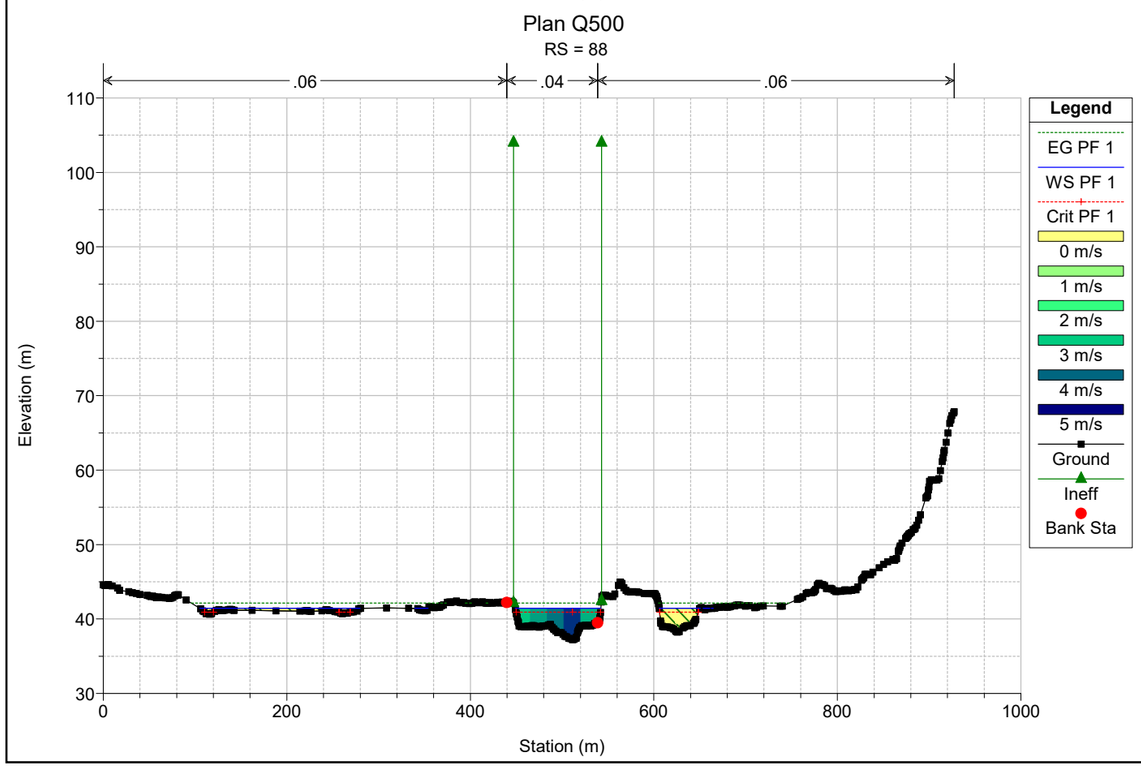

Plan Q500
RS = 240
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

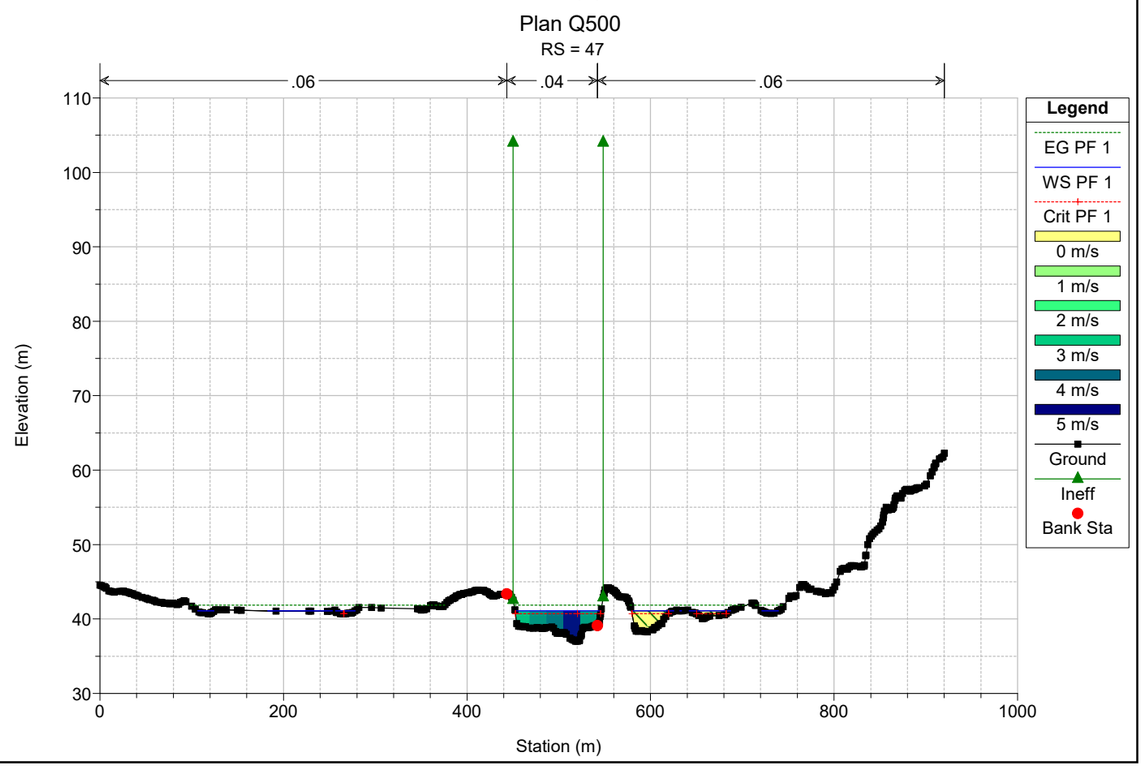

Plan Q500
RS = 210
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

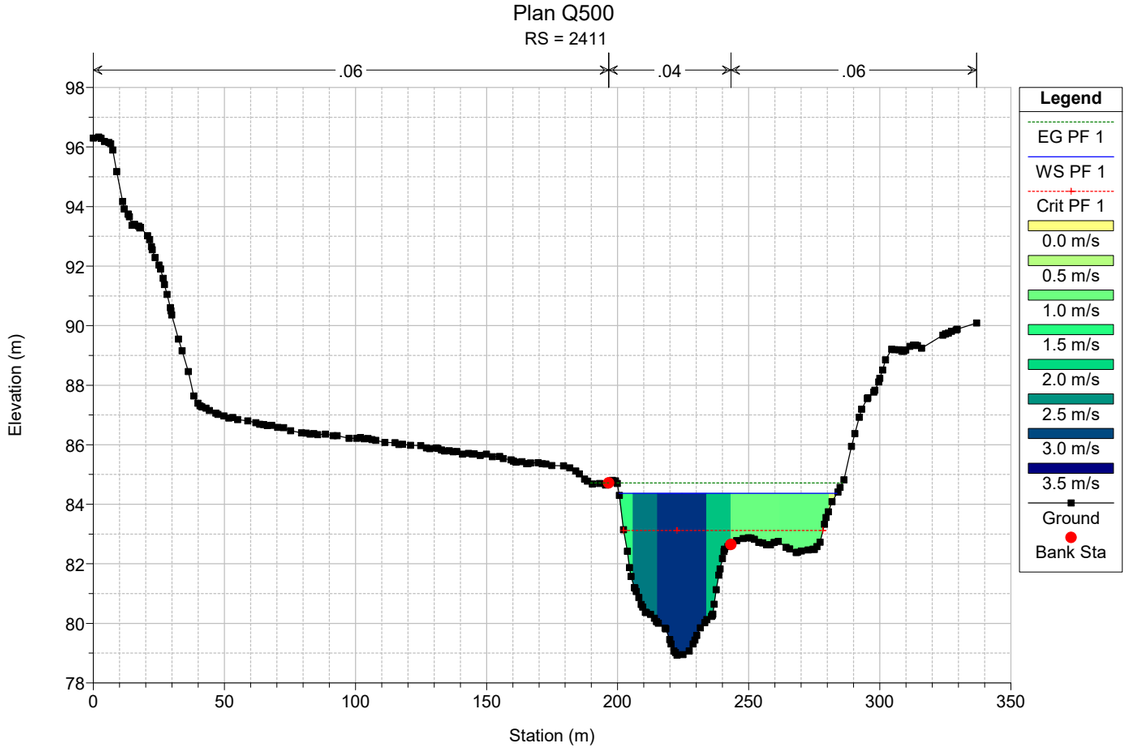

Plan Q500
RS = 187
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

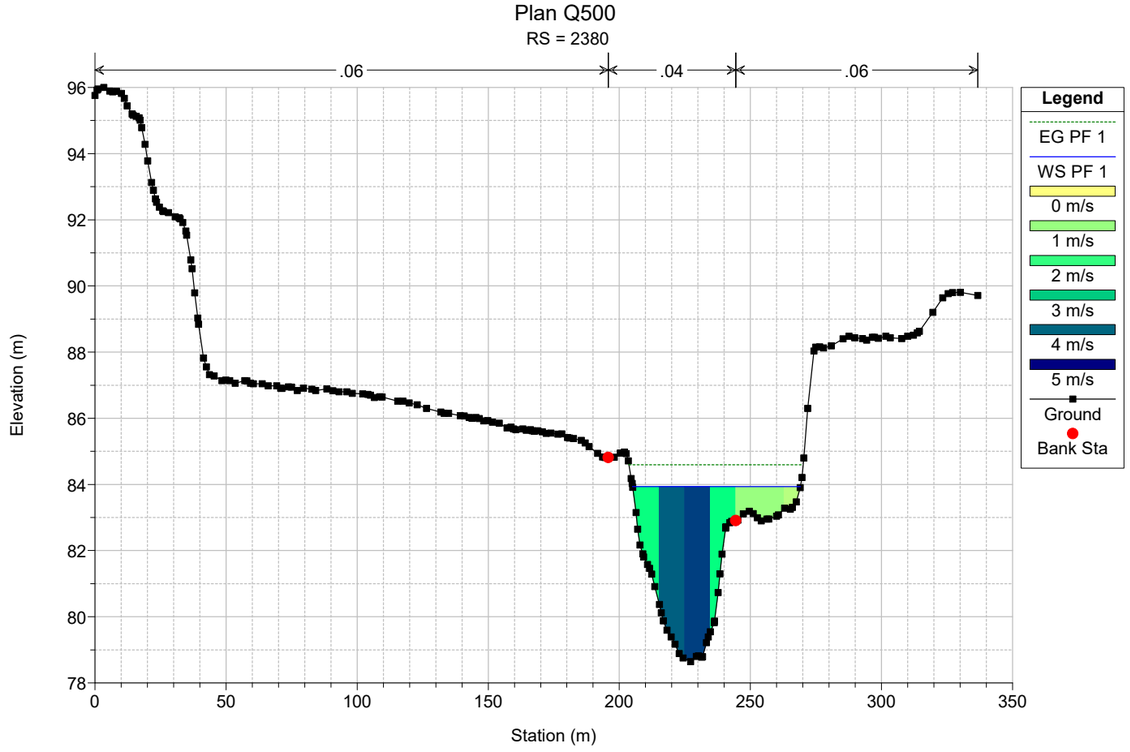

Plan Q500
RS = 144
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

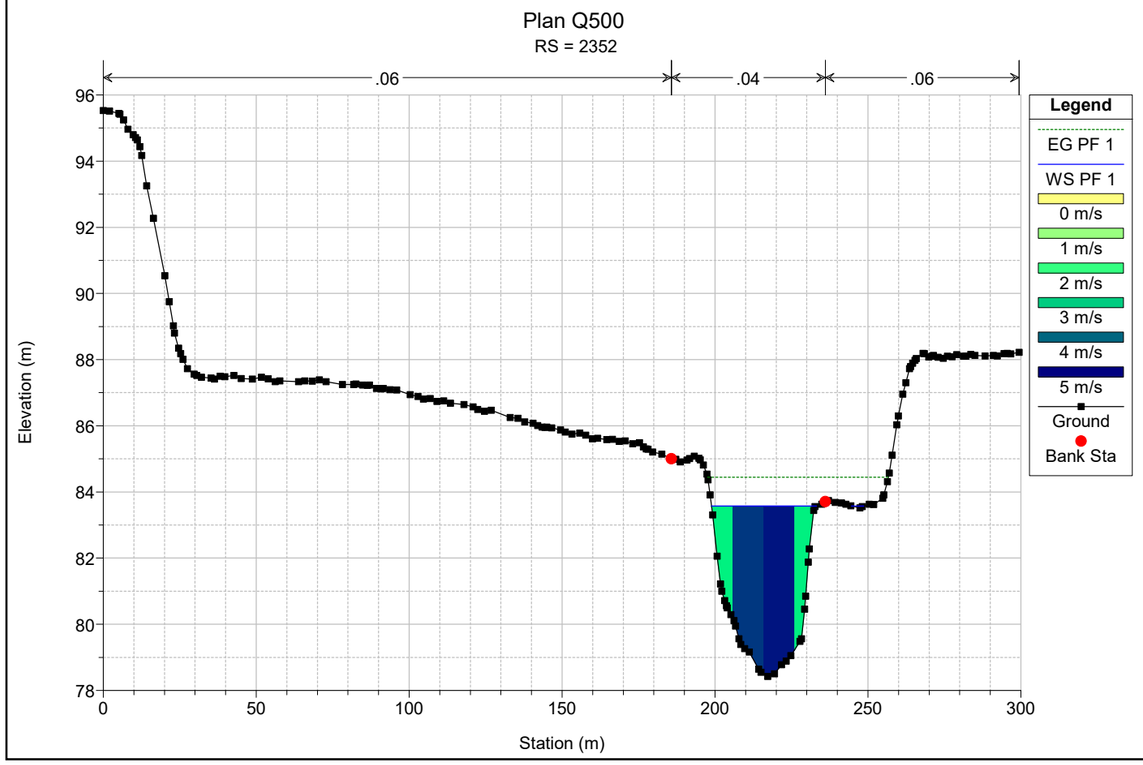

Plan Q500
RS = 119
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

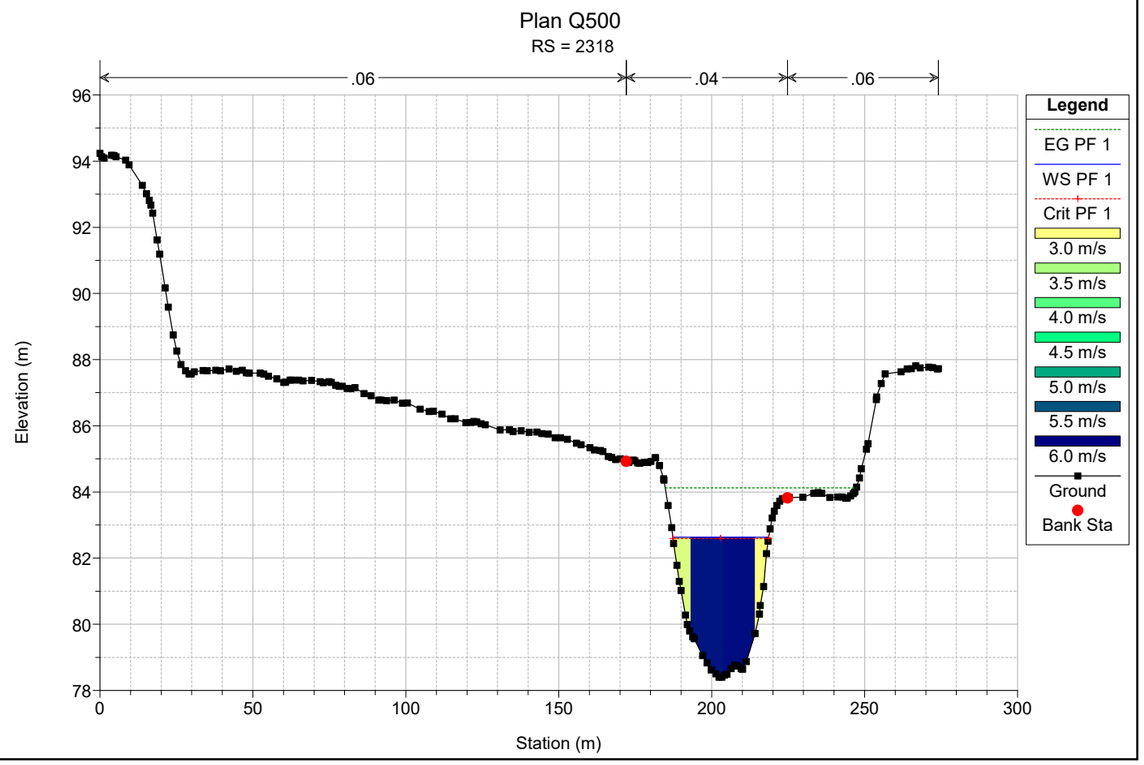

Plan Q500
RS = 88
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

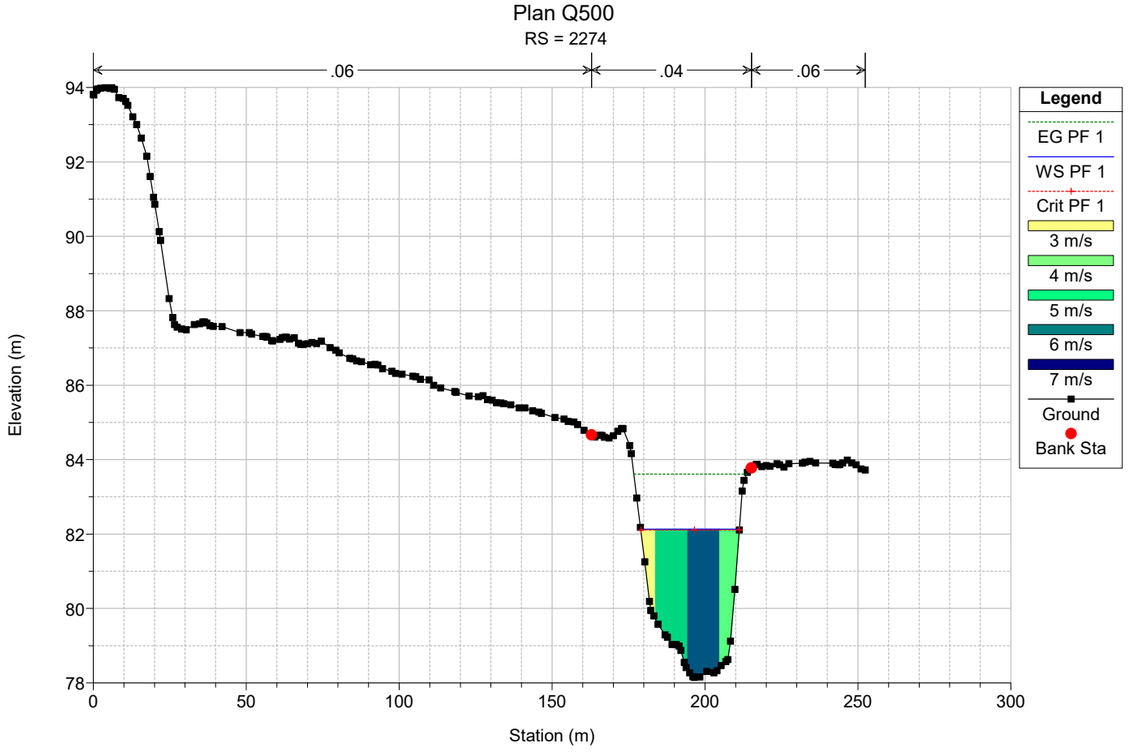

Plan Q500
RS = 47
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

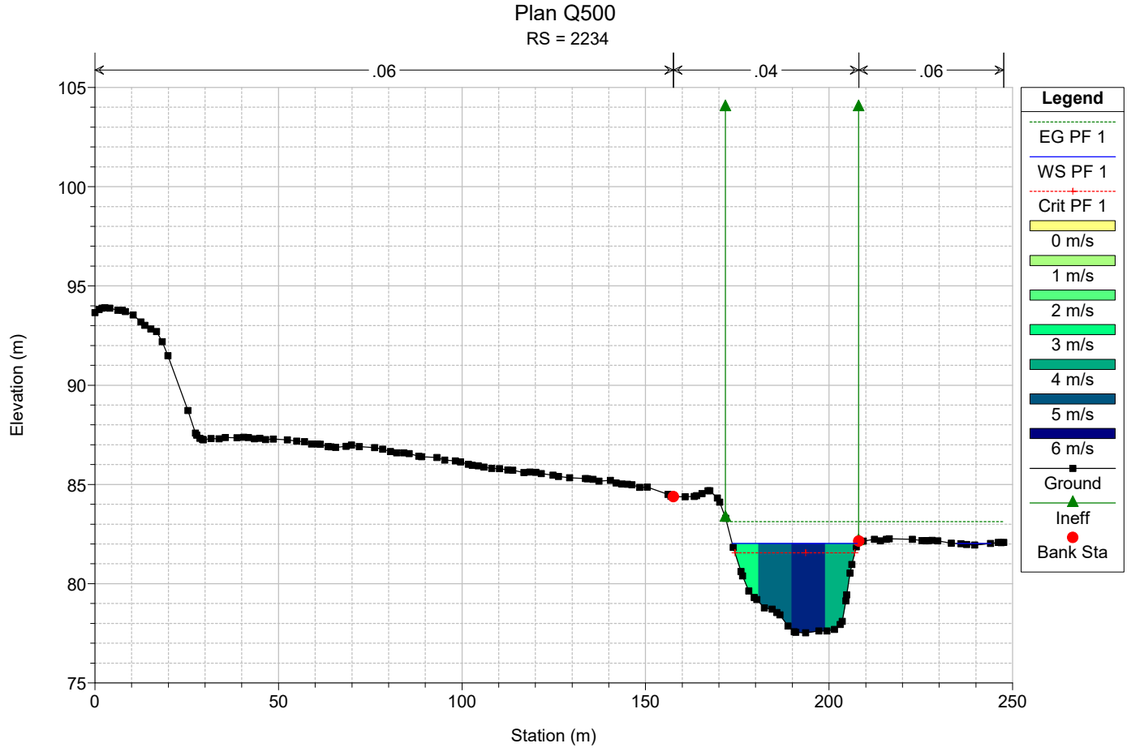

Plan Q500
RS = 2411
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0.0 m/s
0.5 m/s
1.0 m/s
1.5 m/s
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
Ground
Bank Sta

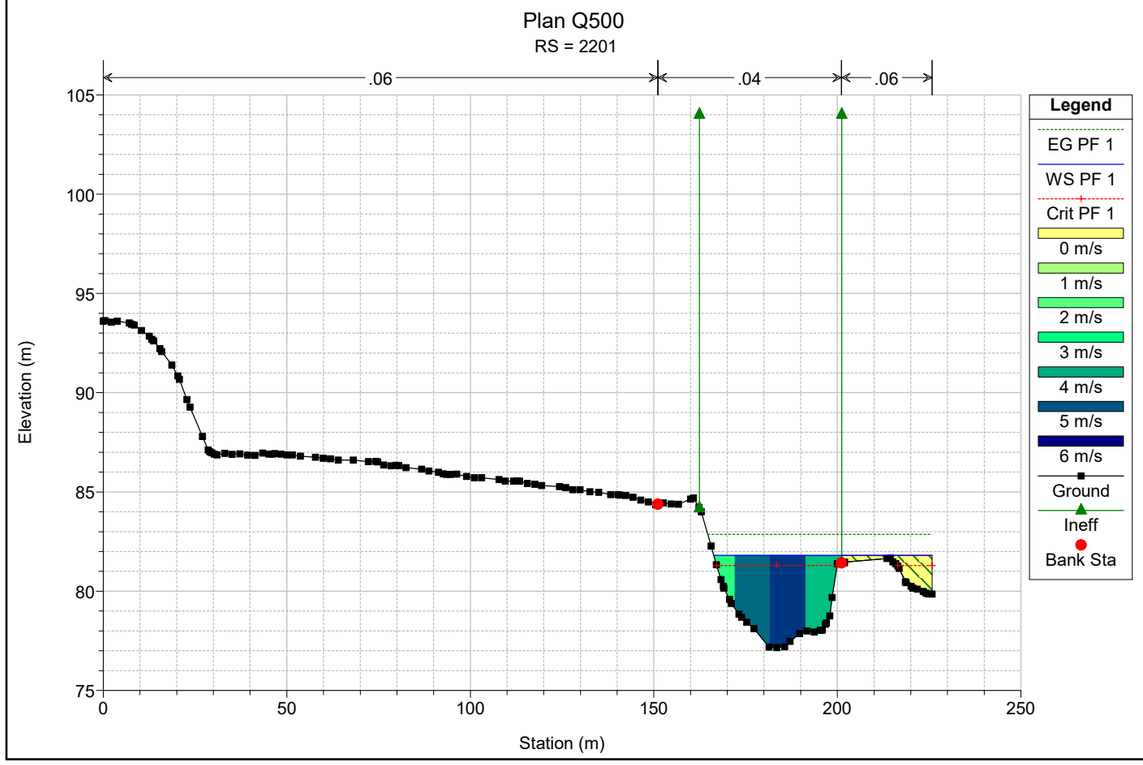

Plan Q500
RS = 2380
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

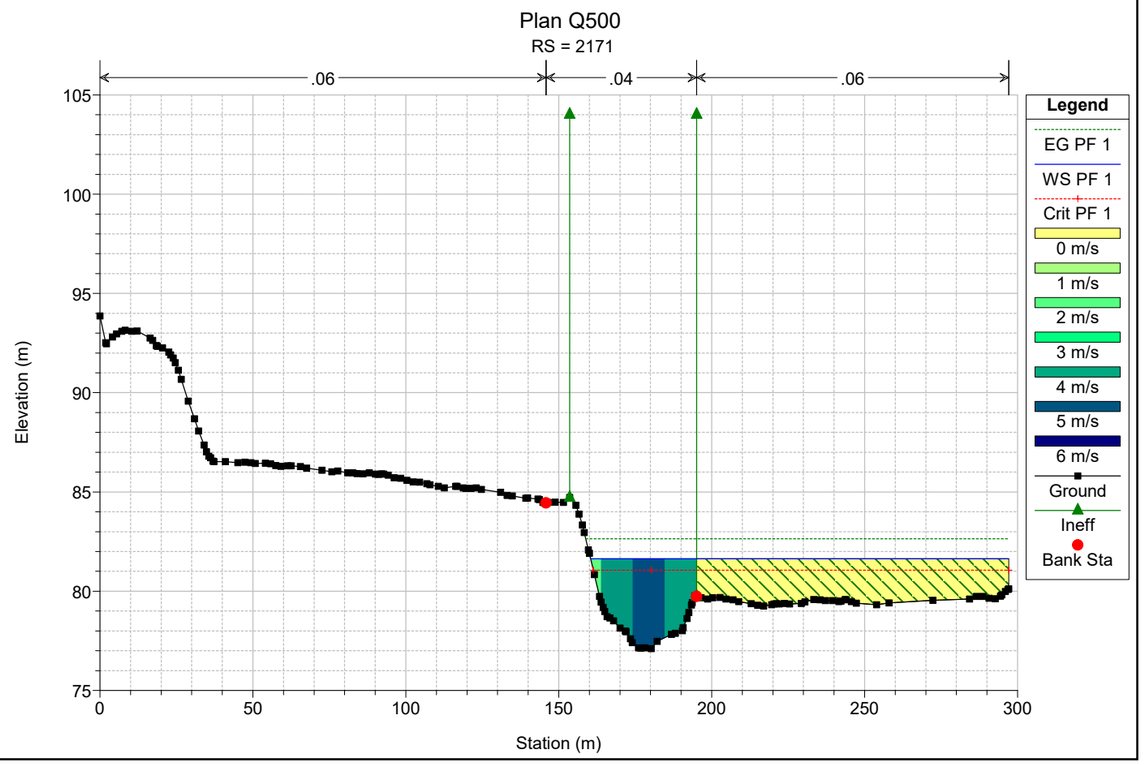

Plan Q500
RS = 2352
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

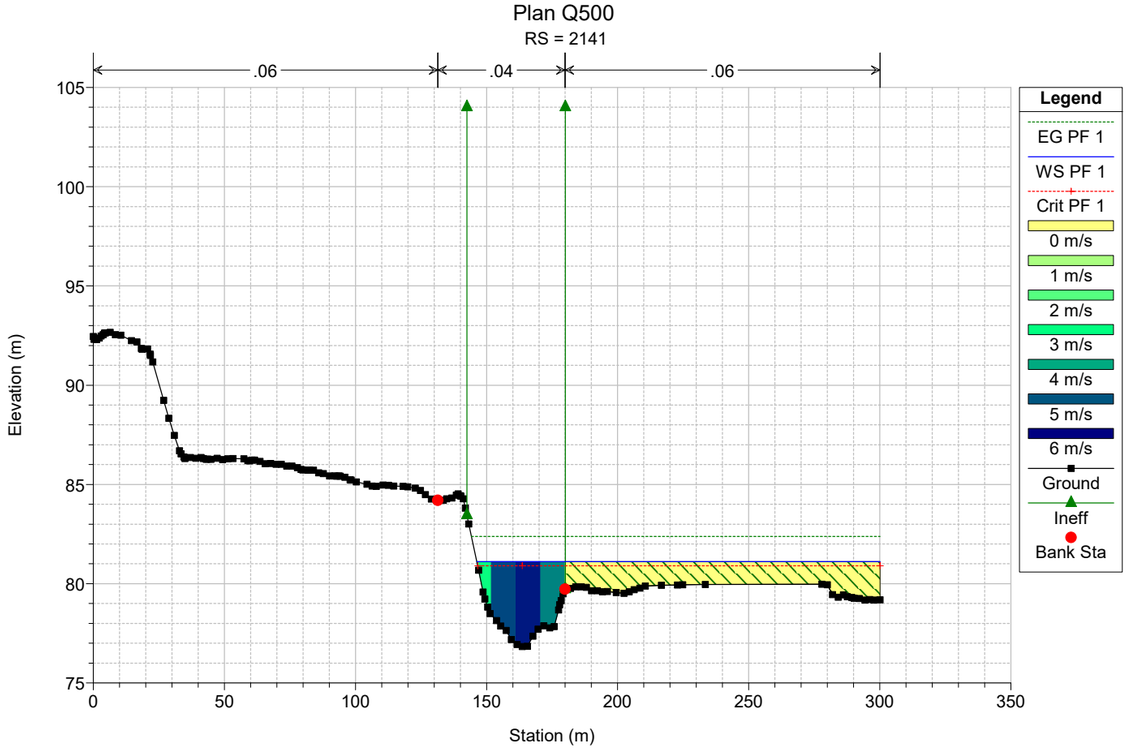

Plan Q500
RS = 2318
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
6.0 m/s
Ground
Bank Sta

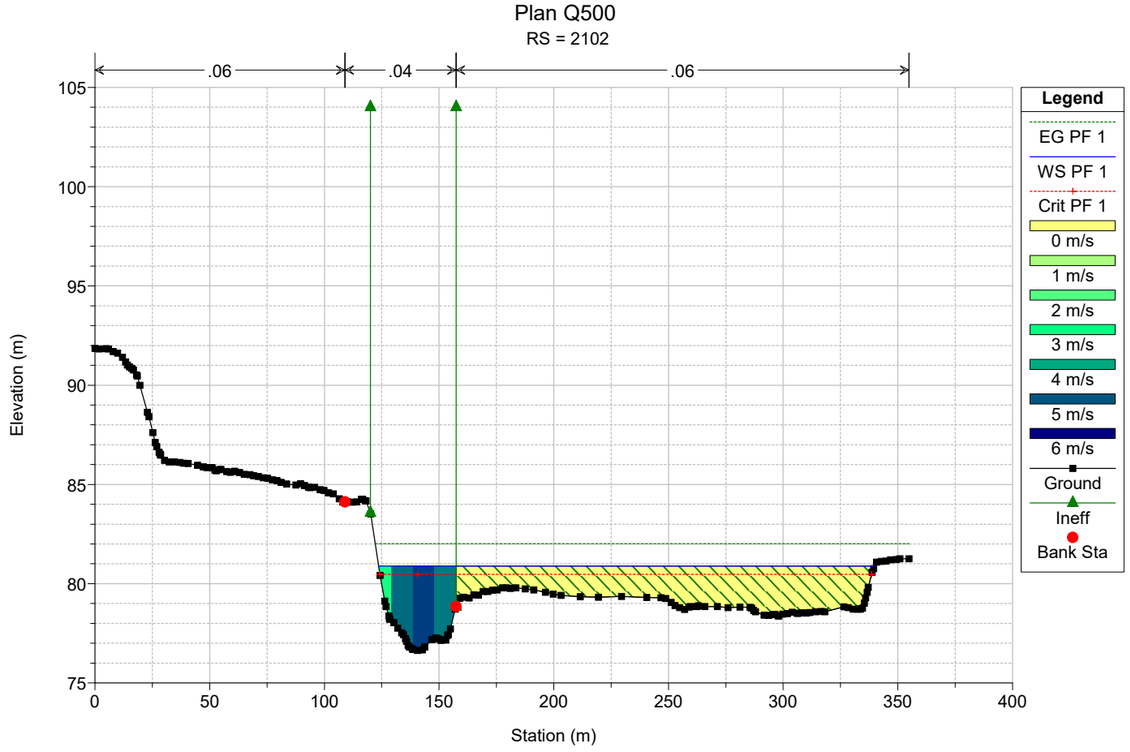

Plan Q500
RS = 2274
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
Ground
Bank Sta

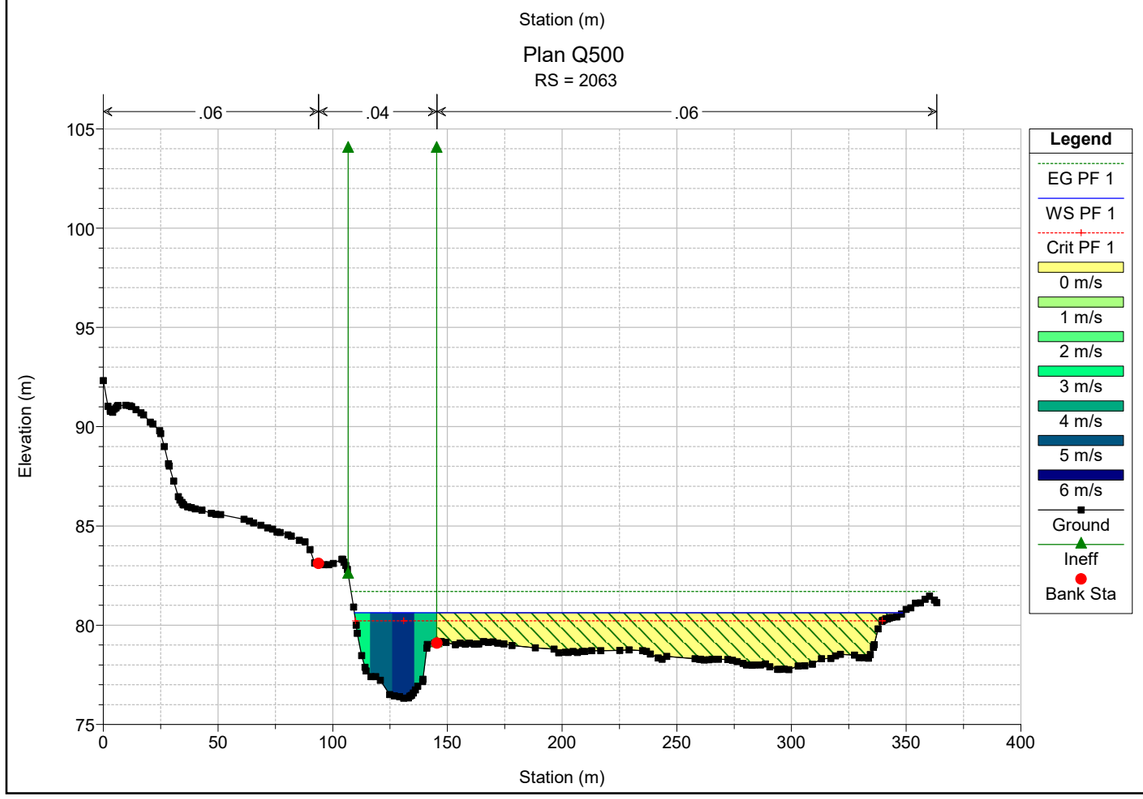

Plan Q500
RS = 2234
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

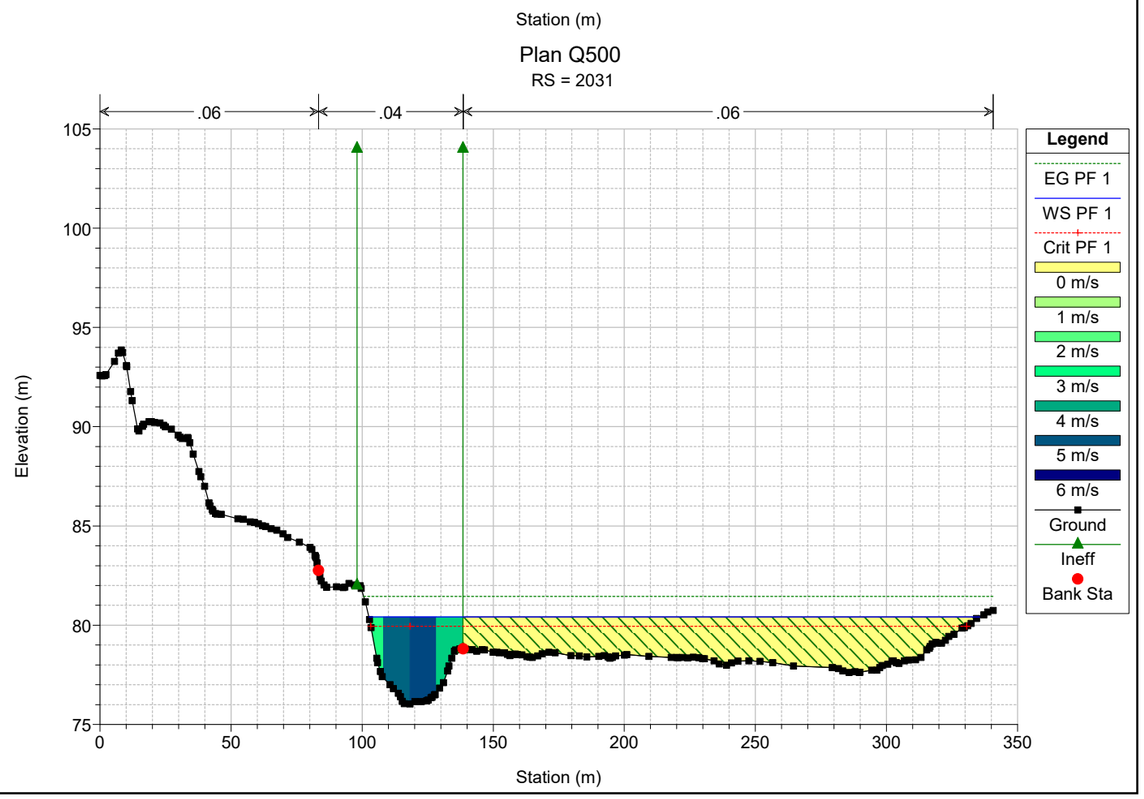

Plan Q500
RS = 2201
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

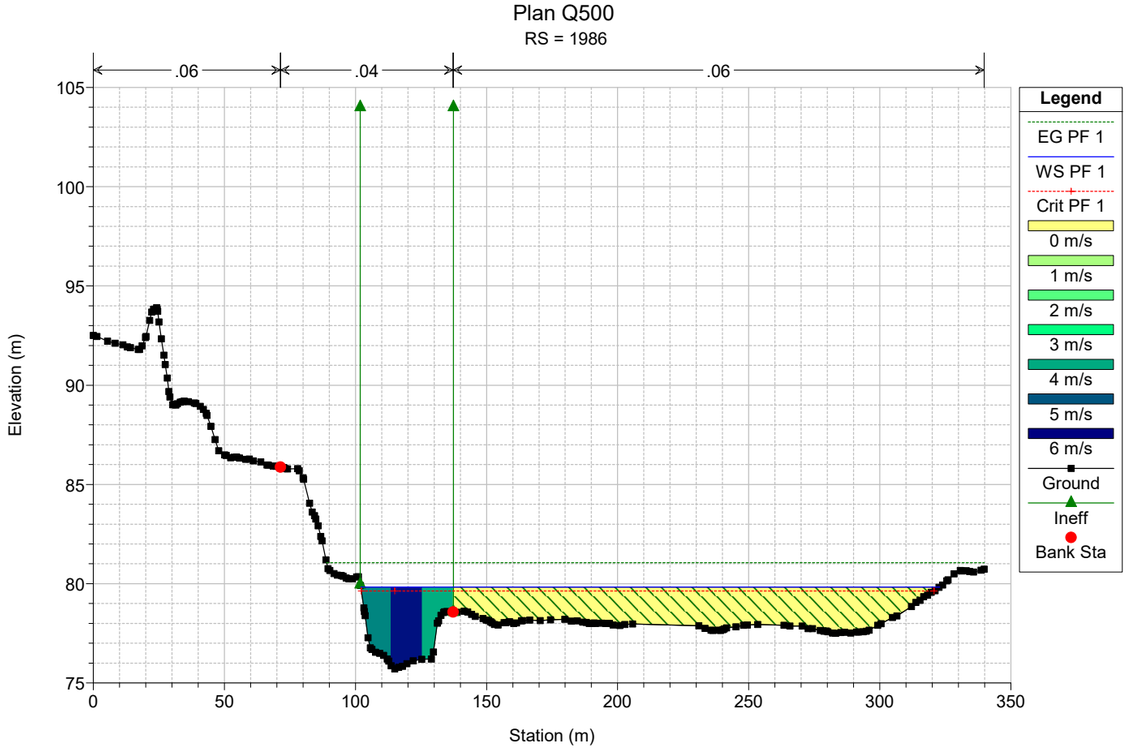

Plan Q500
RS = 2171
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

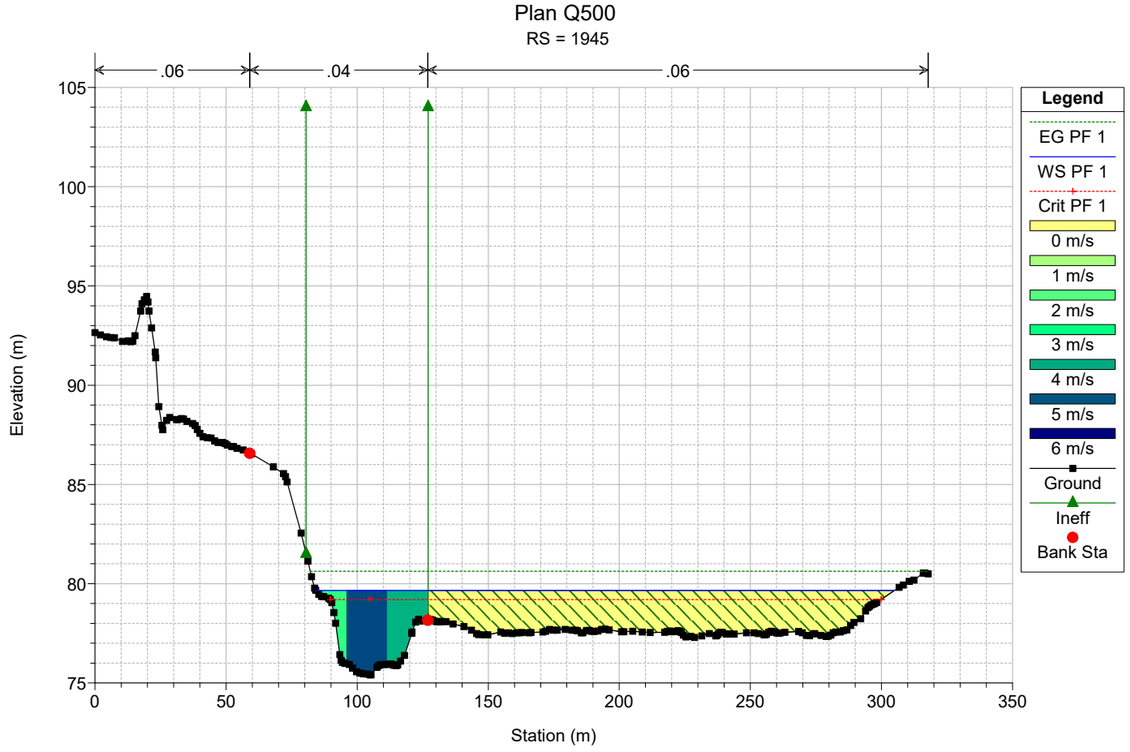

Plan Q500
RS = 2141
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

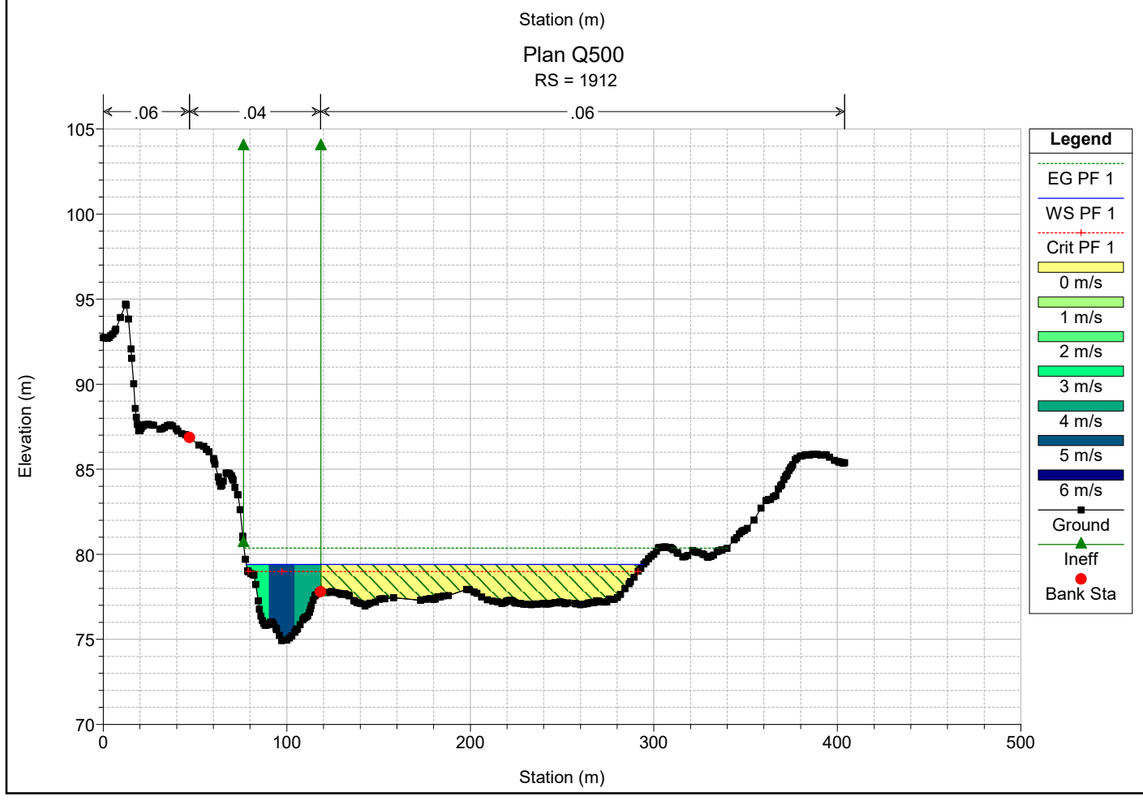

Plan Q500
RS = 2102
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

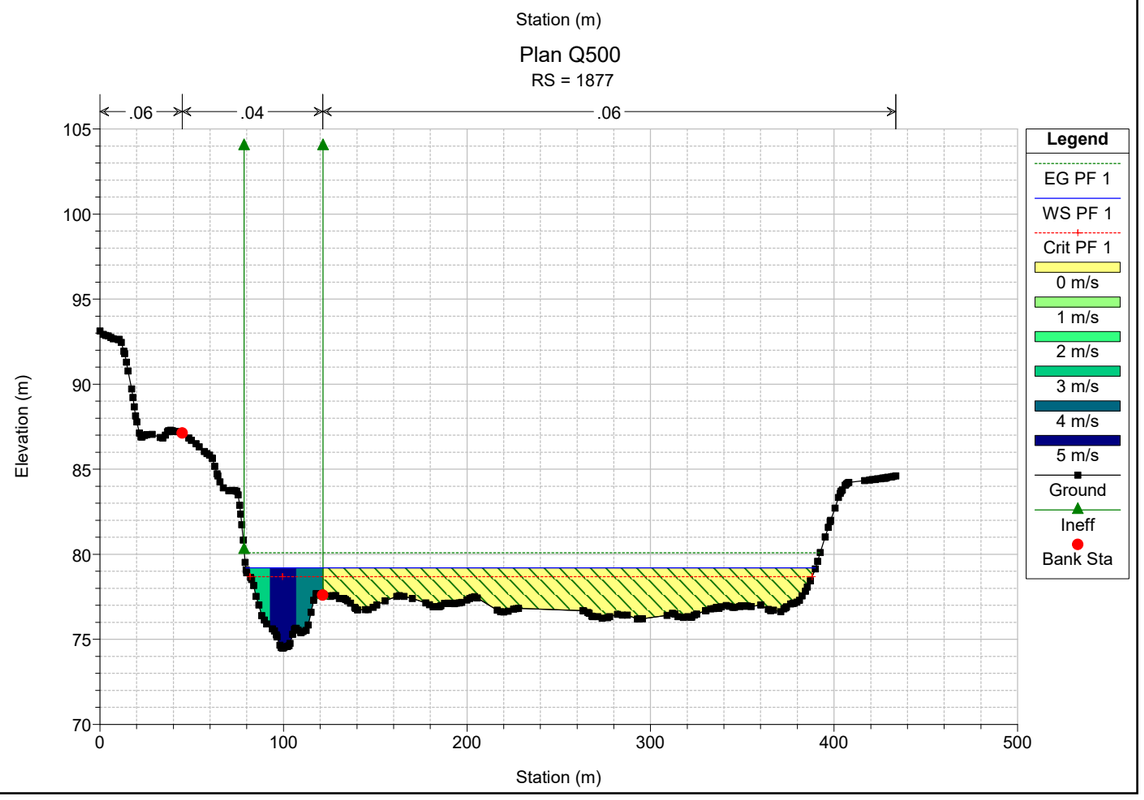

Plan Q500
RS = 2063
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

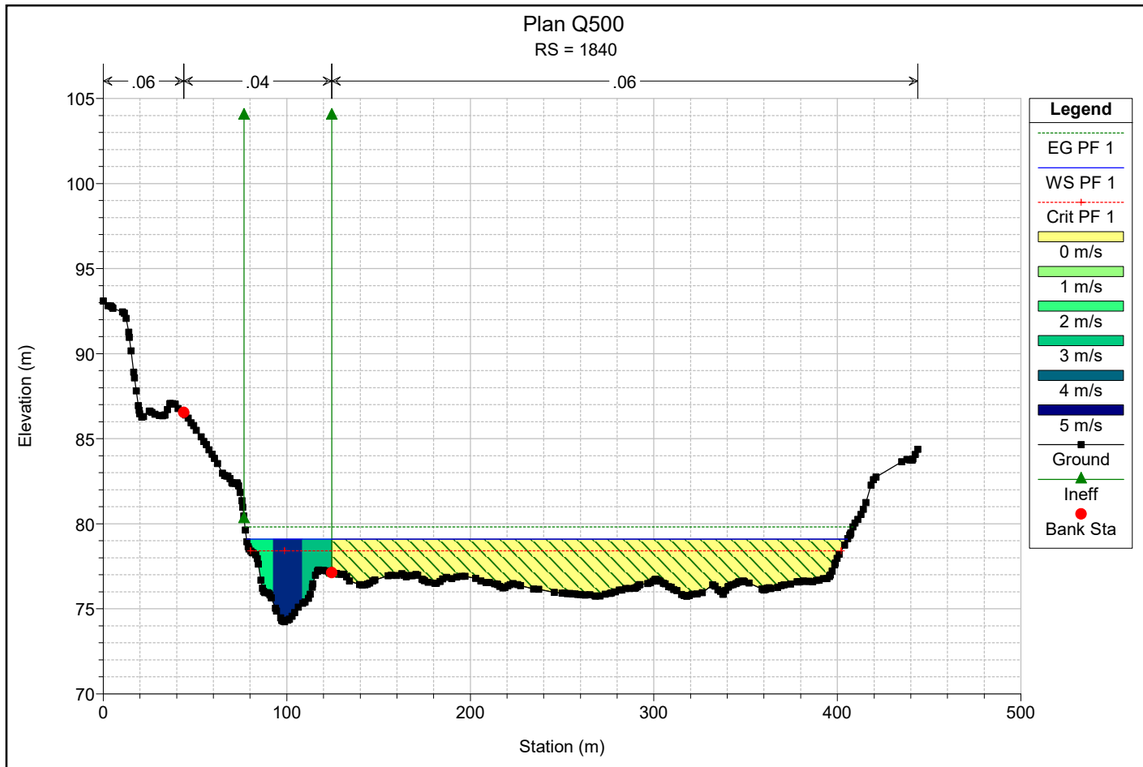

Plan Q500
RS = 2031
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

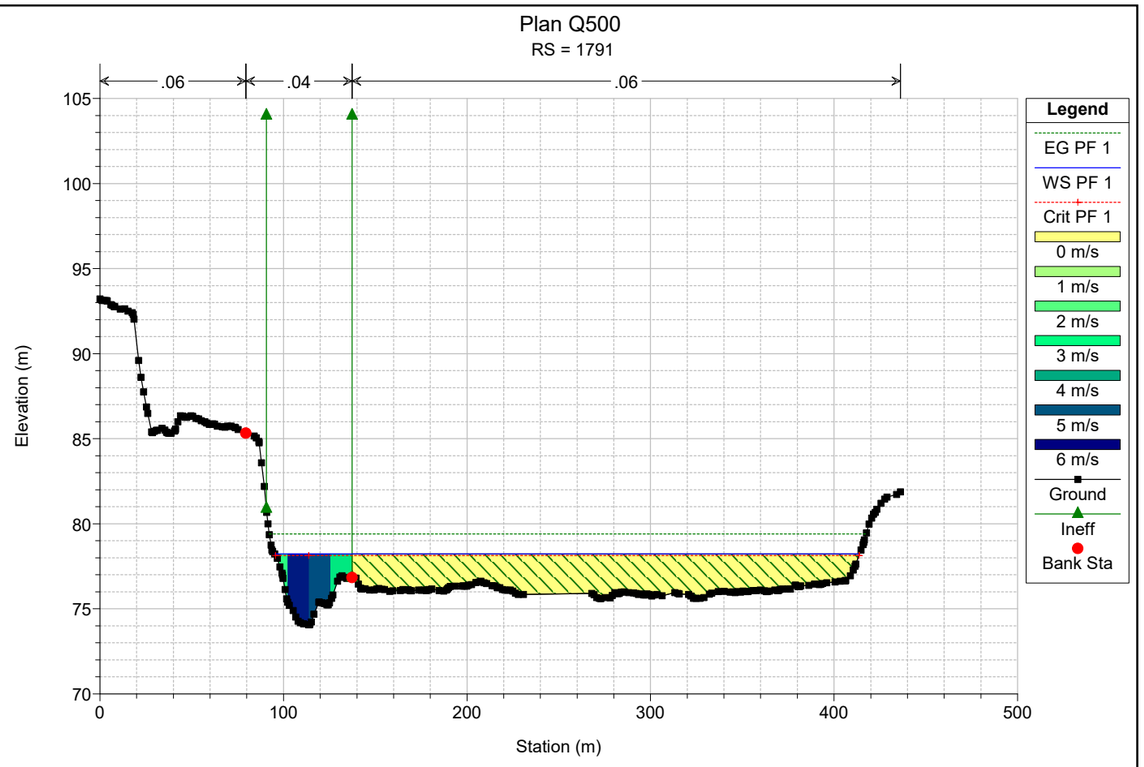

Plan Q500
RS = 1986
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

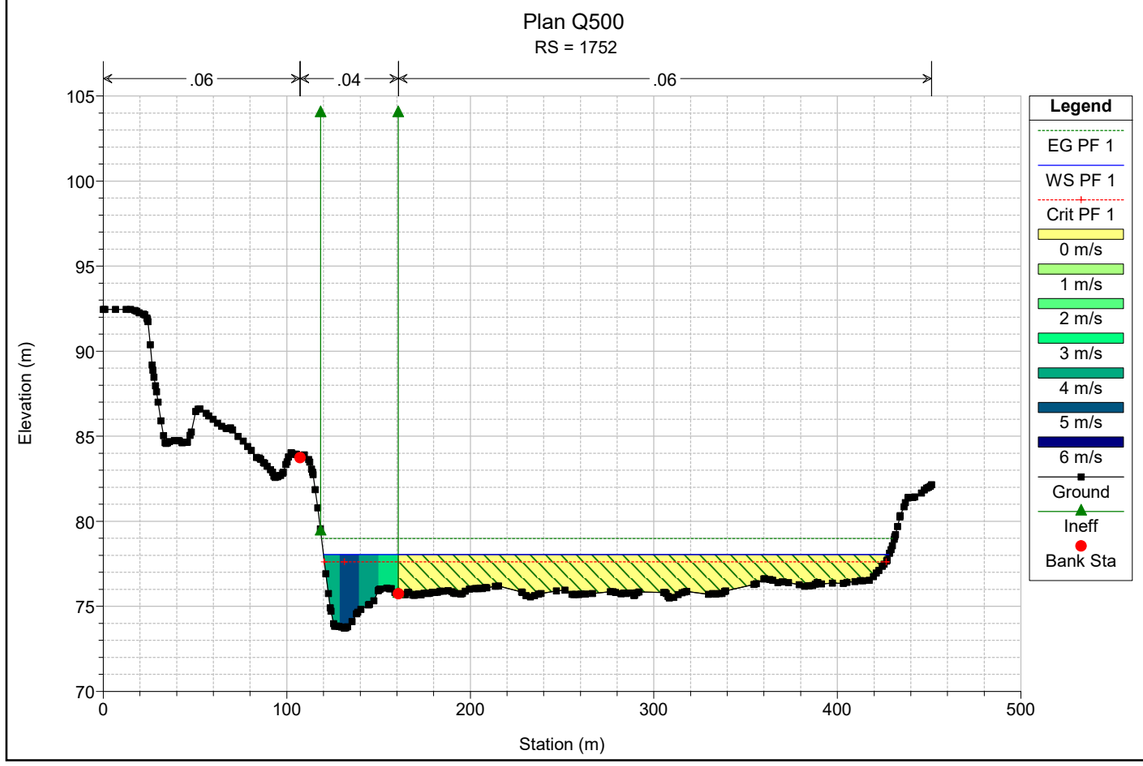

Plan Q500
RS = 1945
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

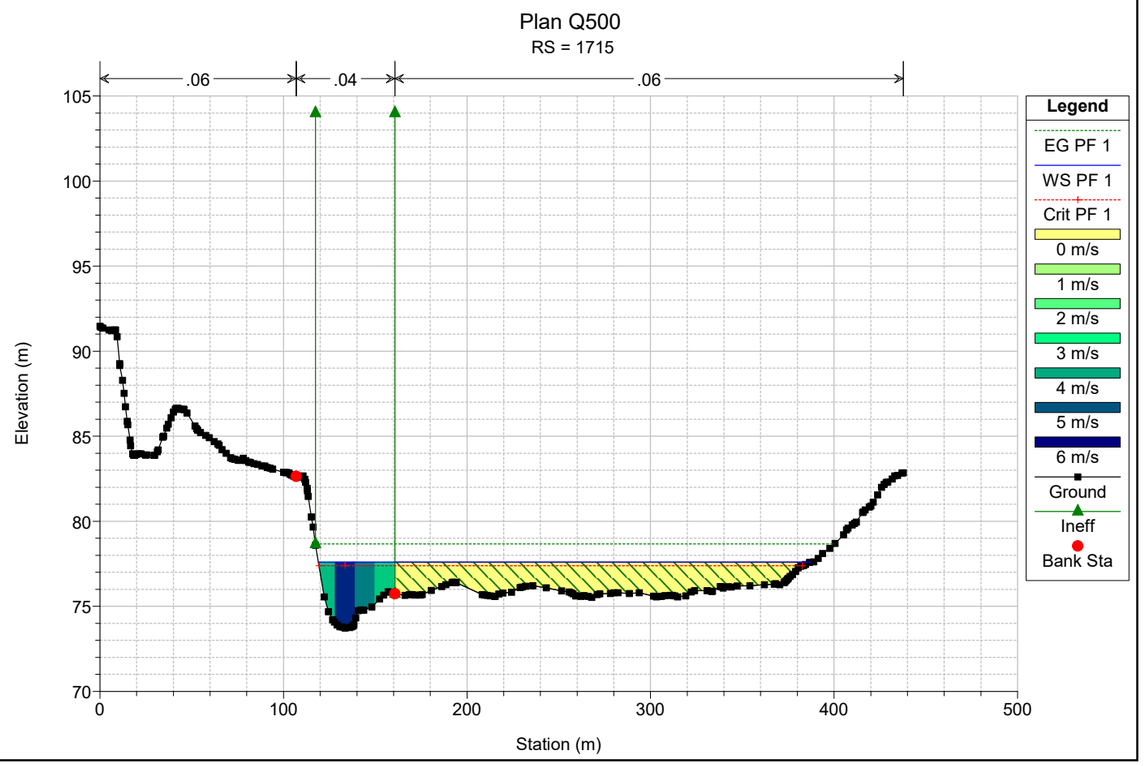

Plan Q500
RS = 1912
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

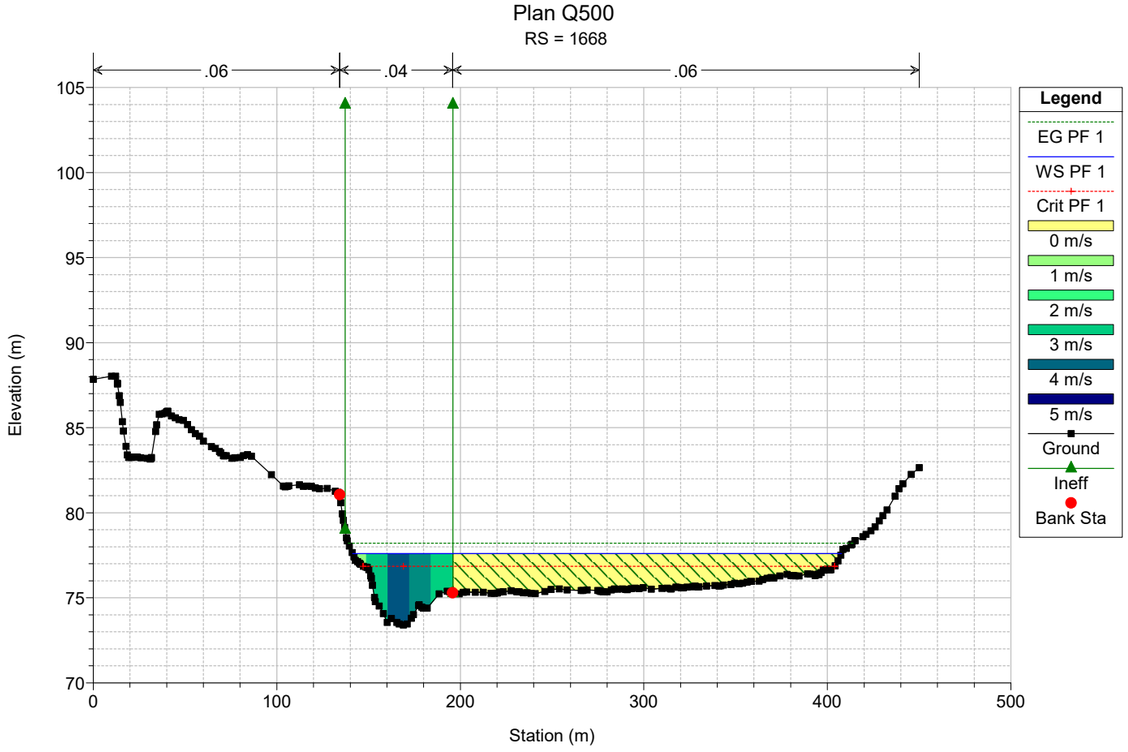

Plan Q500
RS = 1877
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

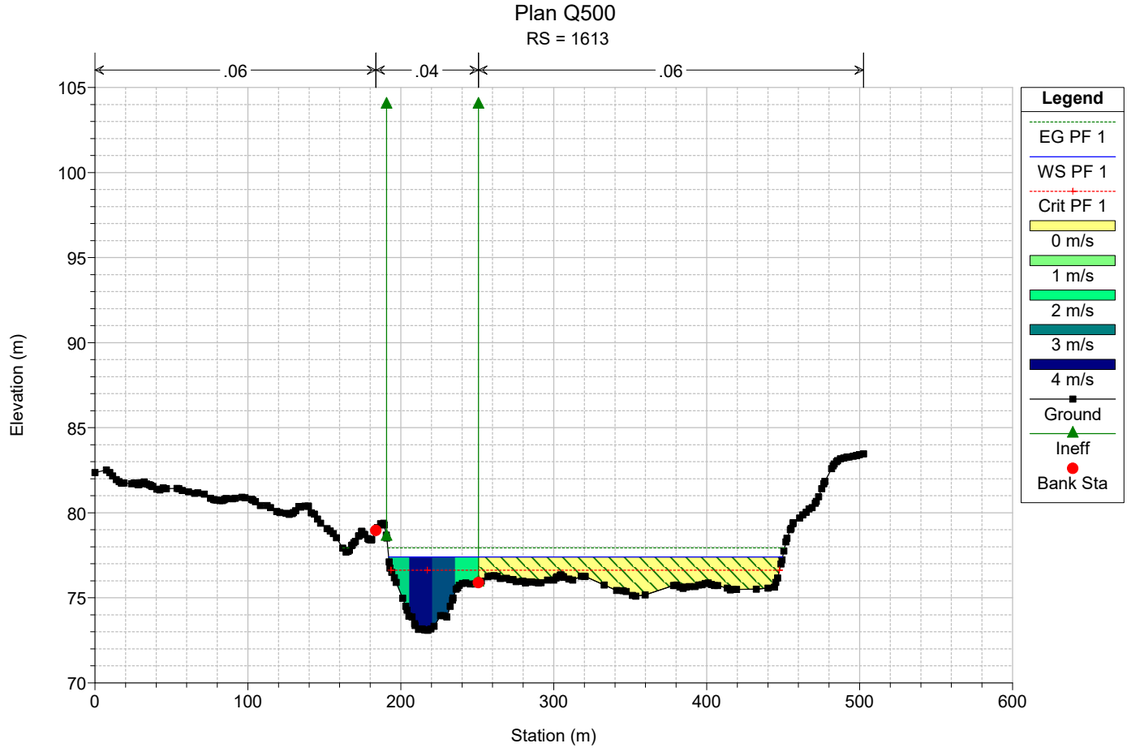

Plan Q500
RS = 1840
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

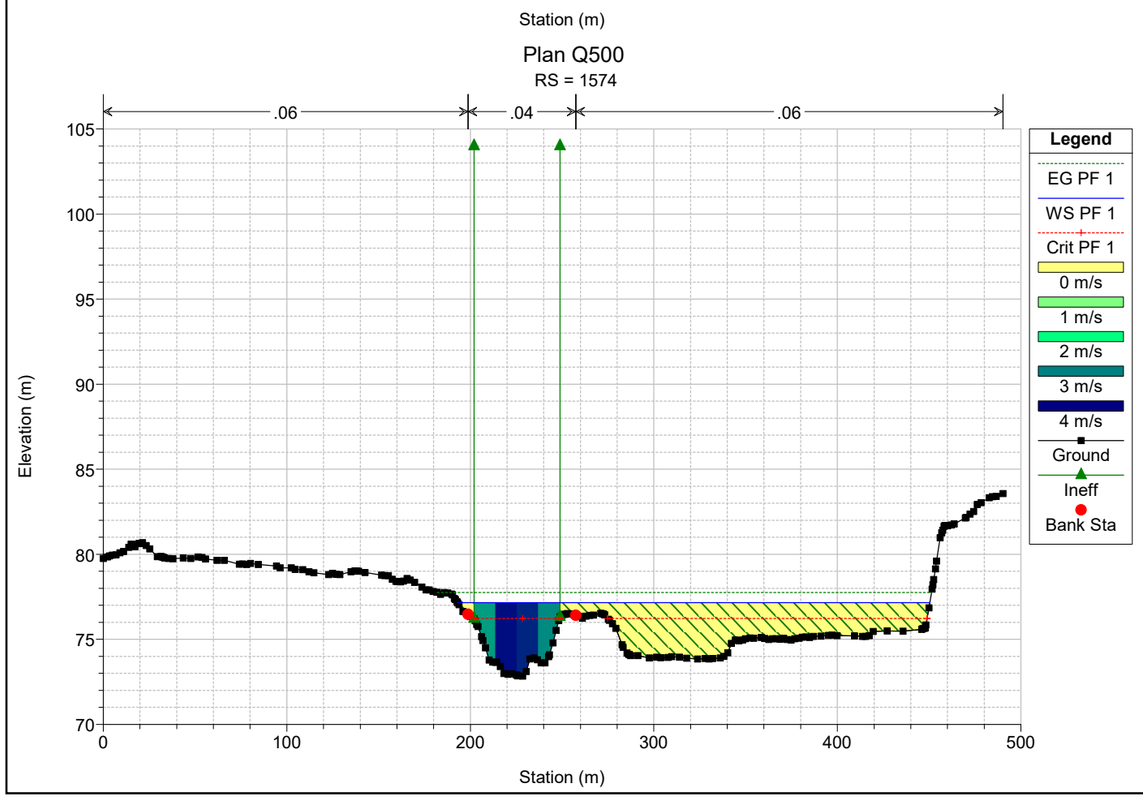

Plan Q500
RS = 1791
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

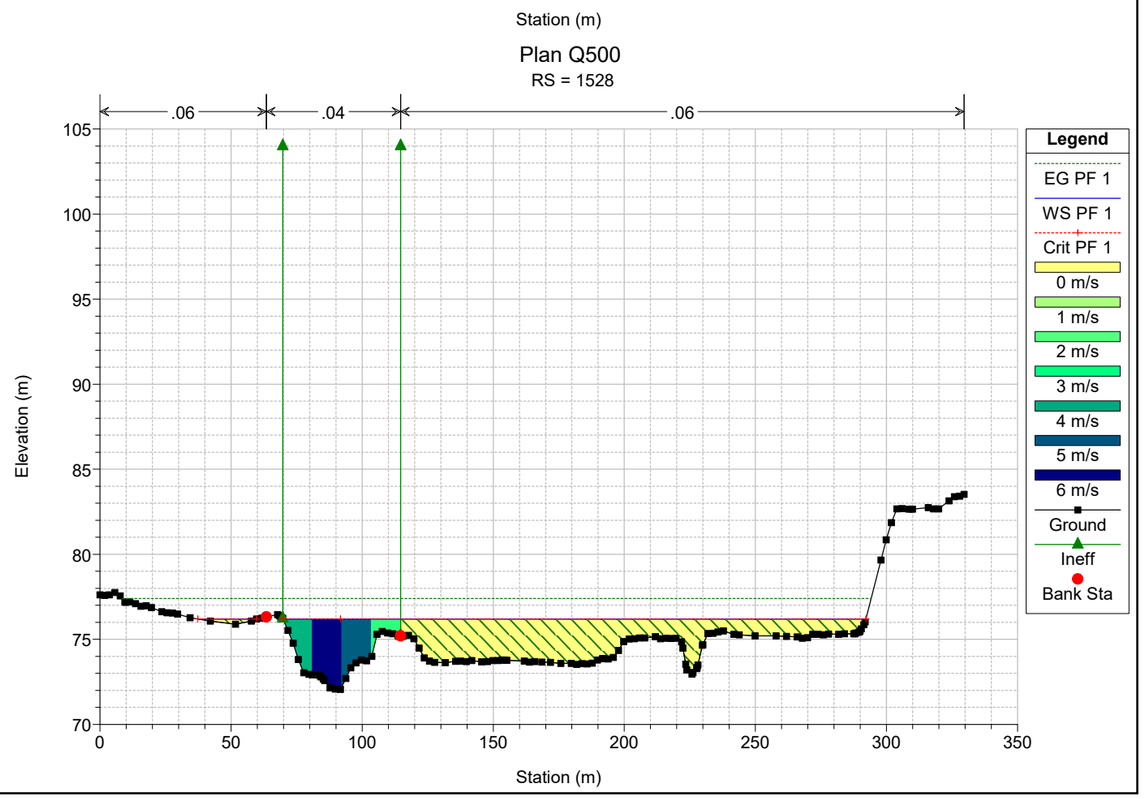

Plan Q500
RS = 1752
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

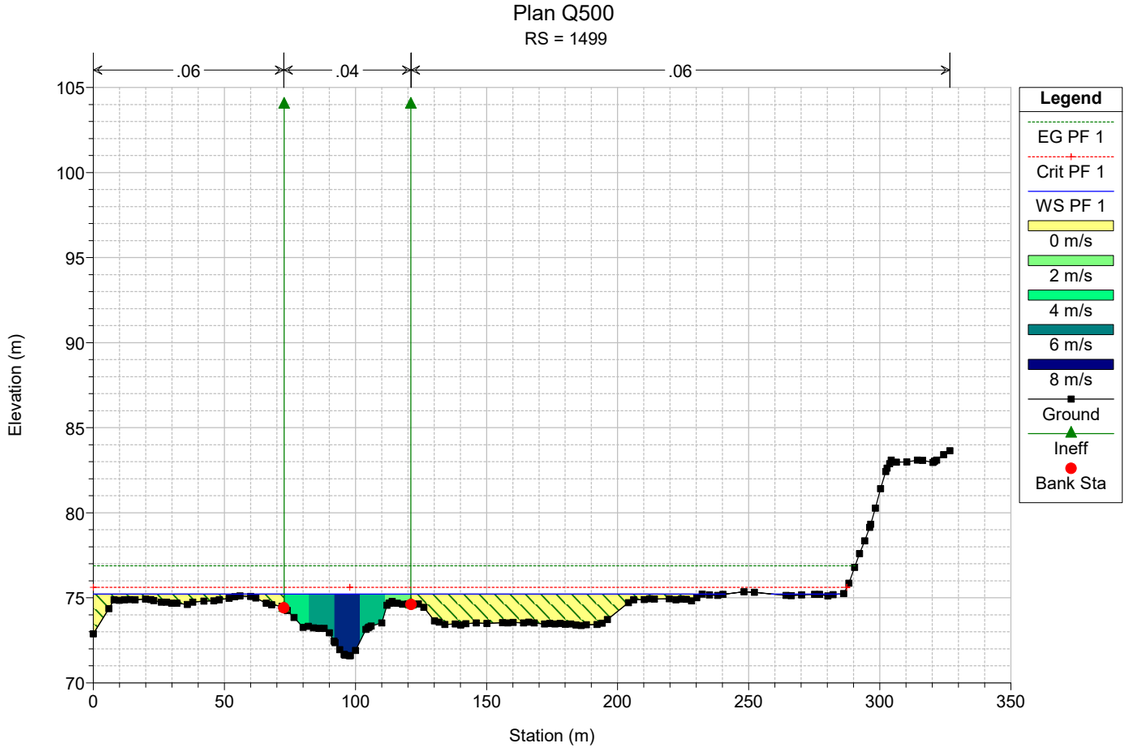

Plan Q500
RS = 1715
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

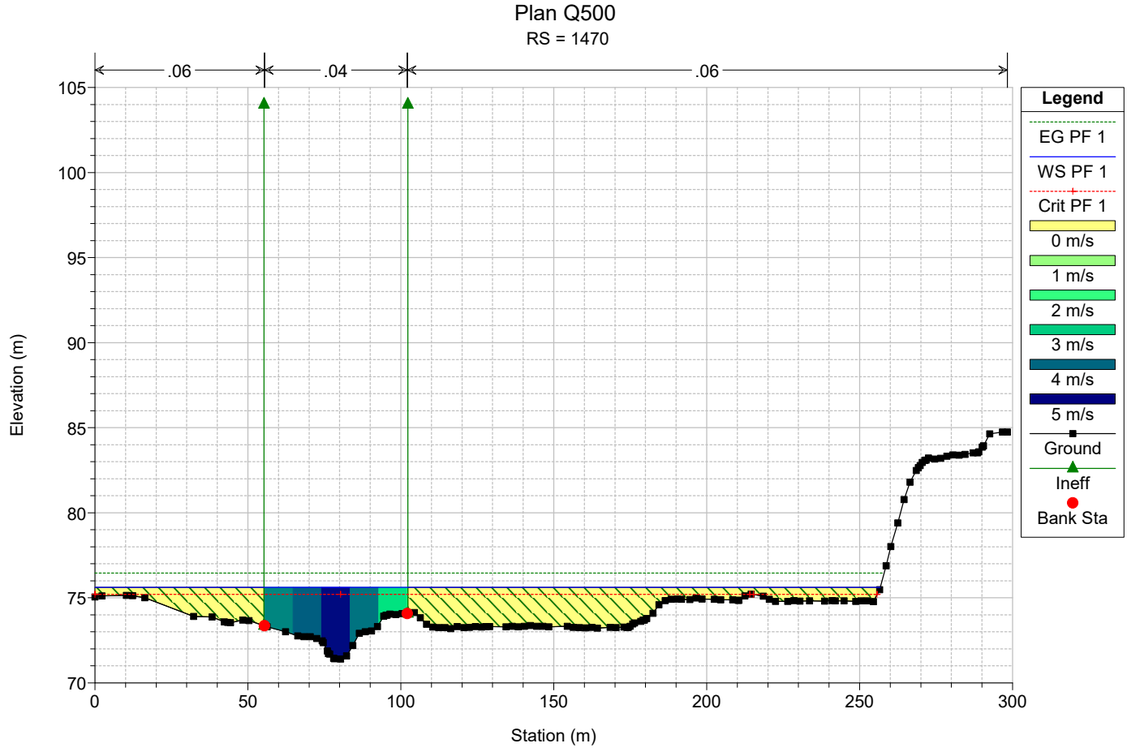

Plan Q500
RS = 1668
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

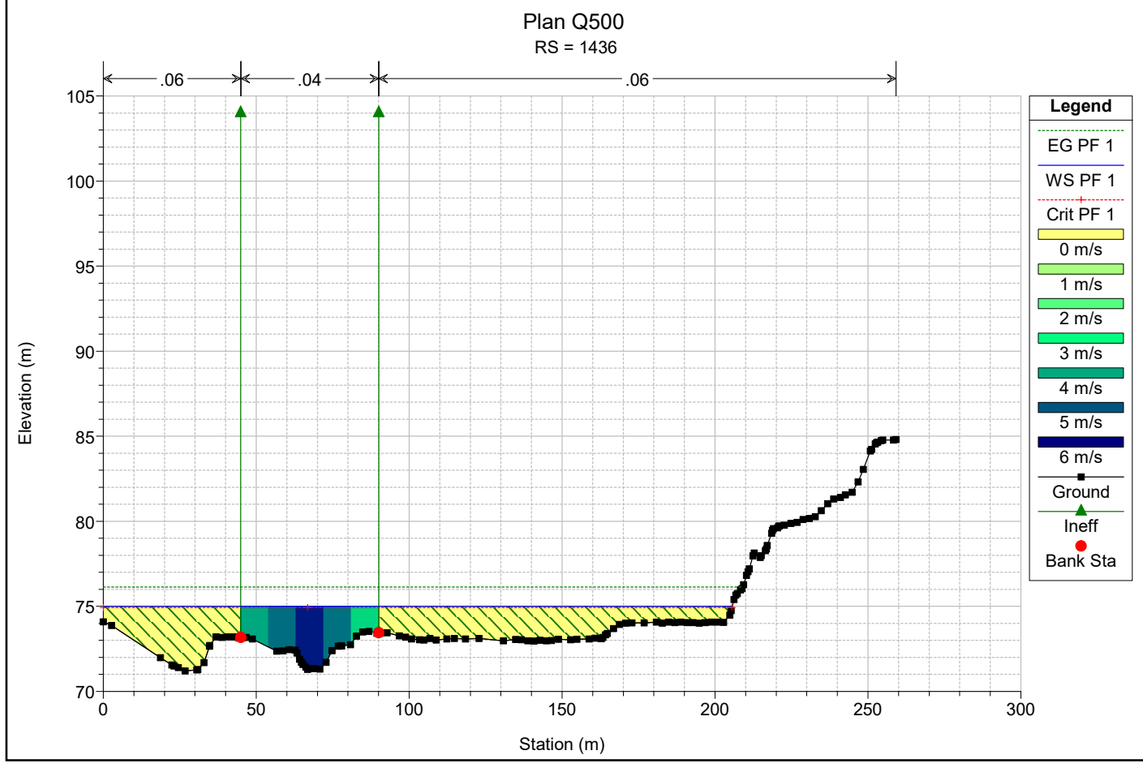

Plan Q500
RS = 1613
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

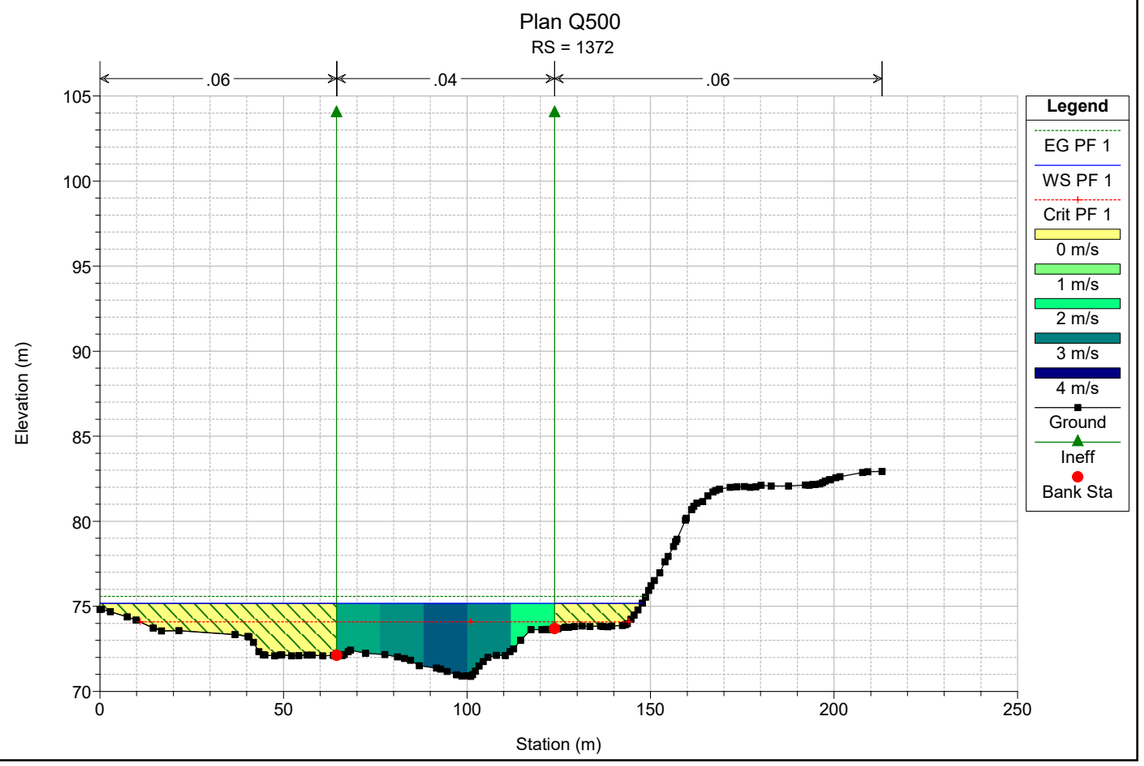

Plan Q500
RS = 1574
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

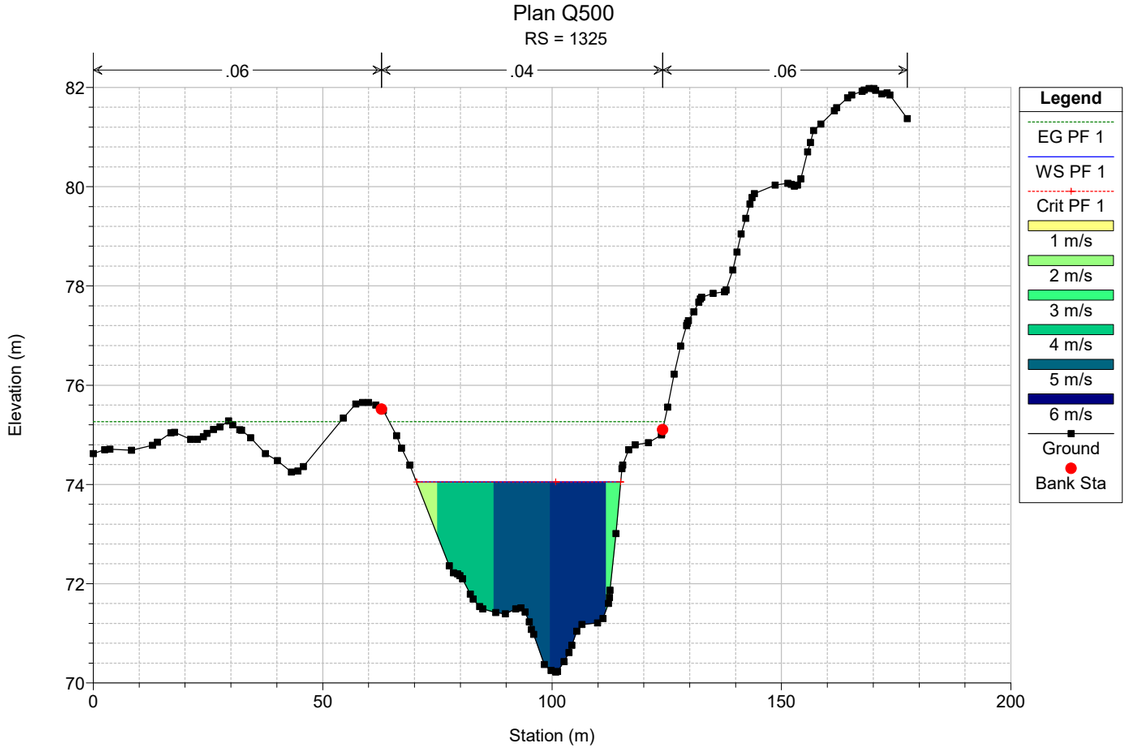

Plan Q500
RS = 1528
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

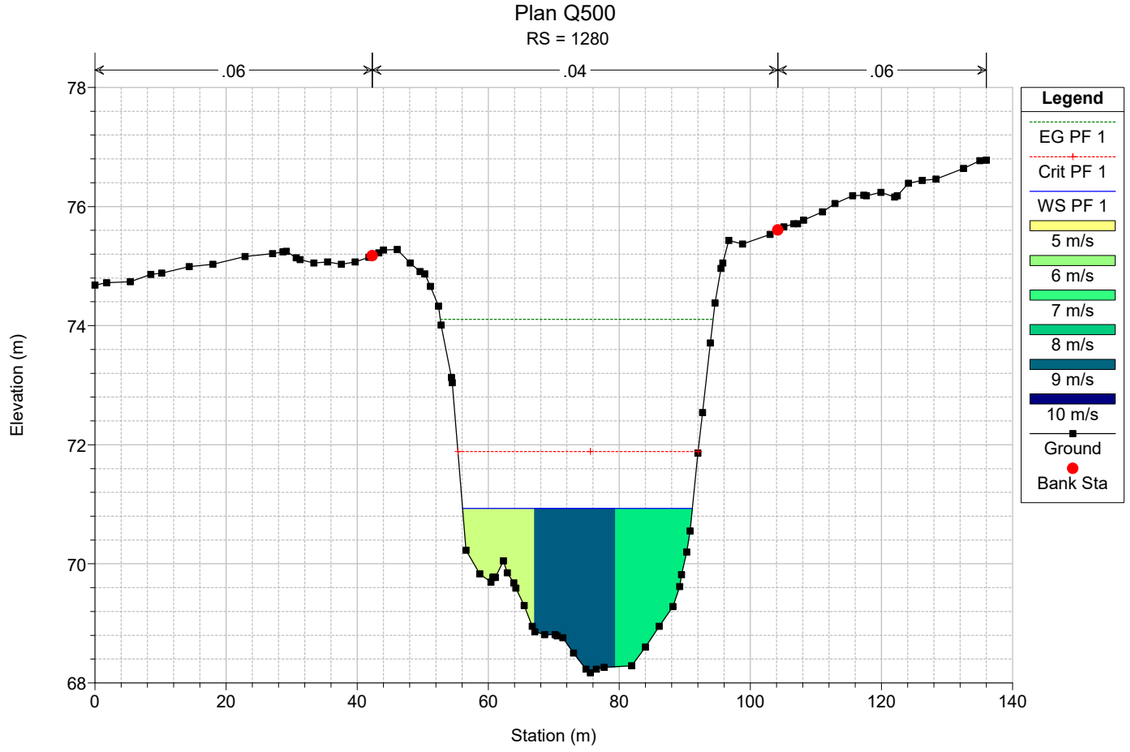

Plan Q500
RS = 1499
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

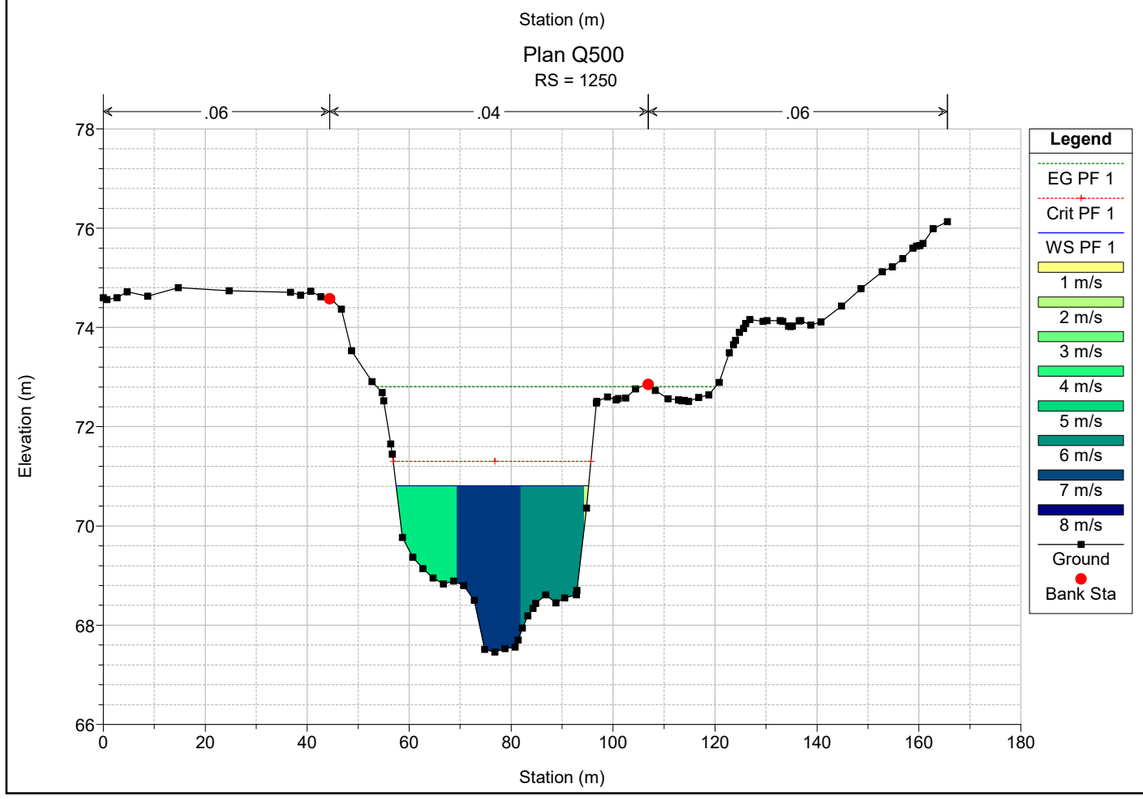

Plan Q500
RS = 1470
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

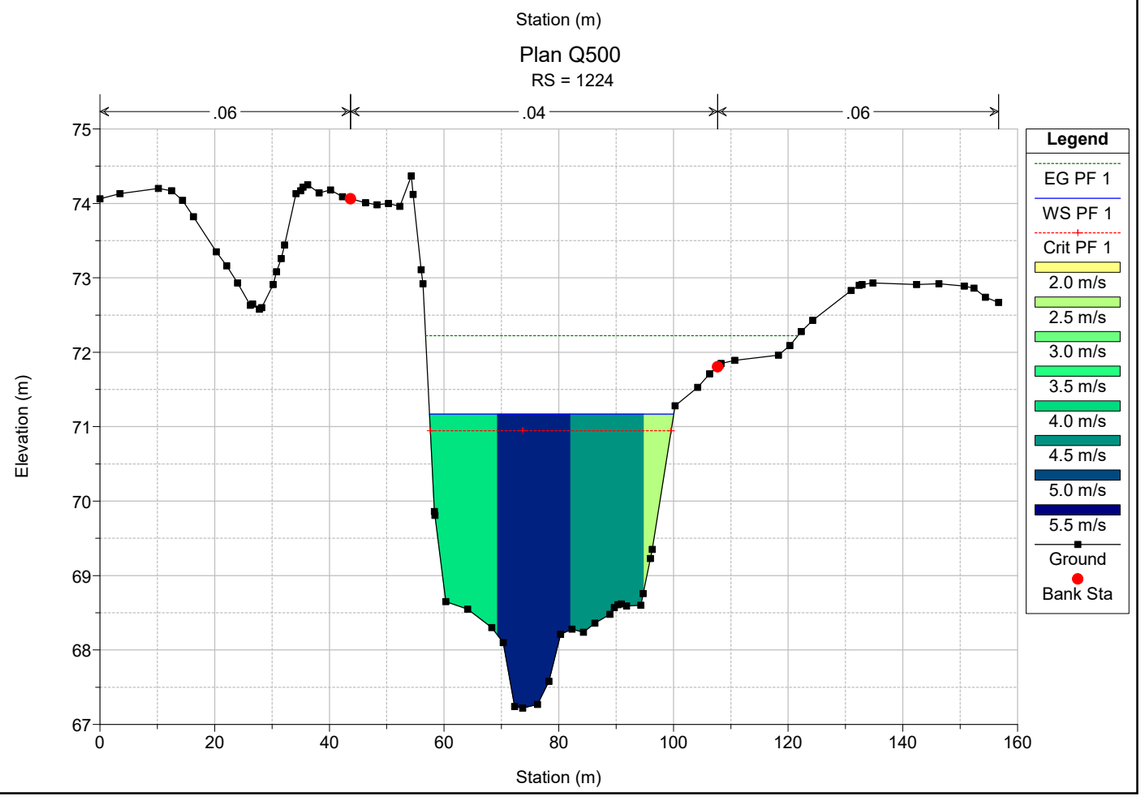

Plan Q500
RS = 1436
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

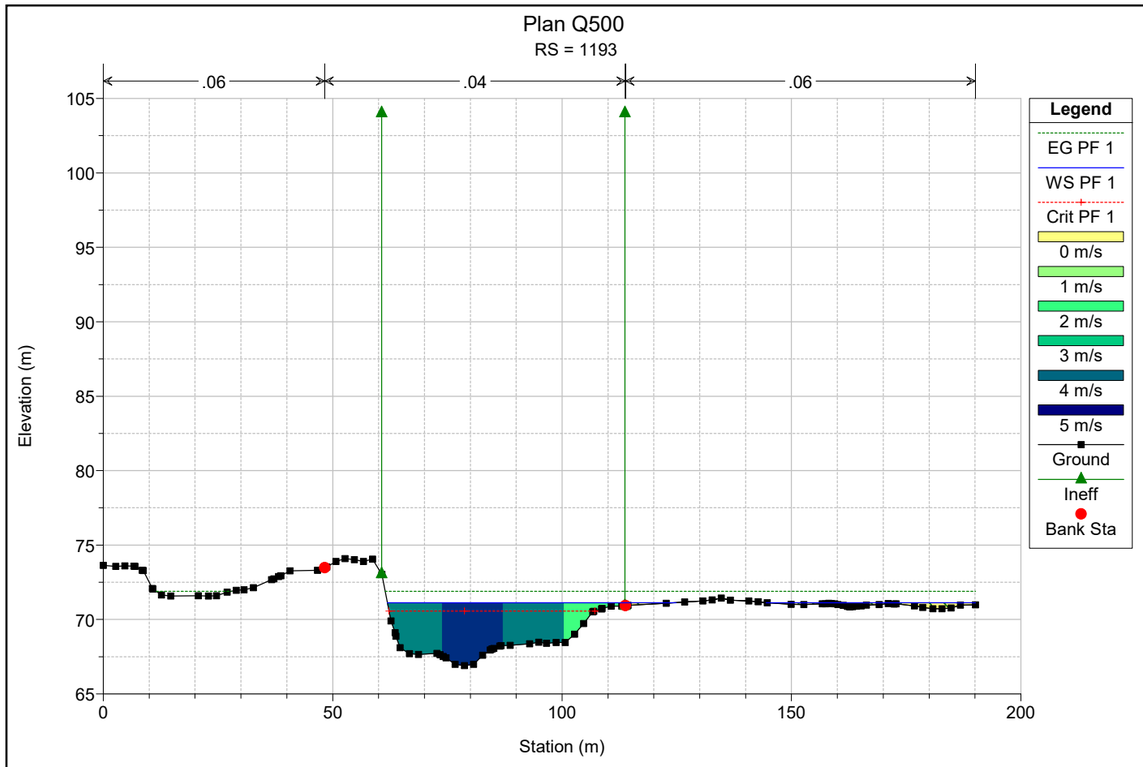

Plan Q500
RS = 1372
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

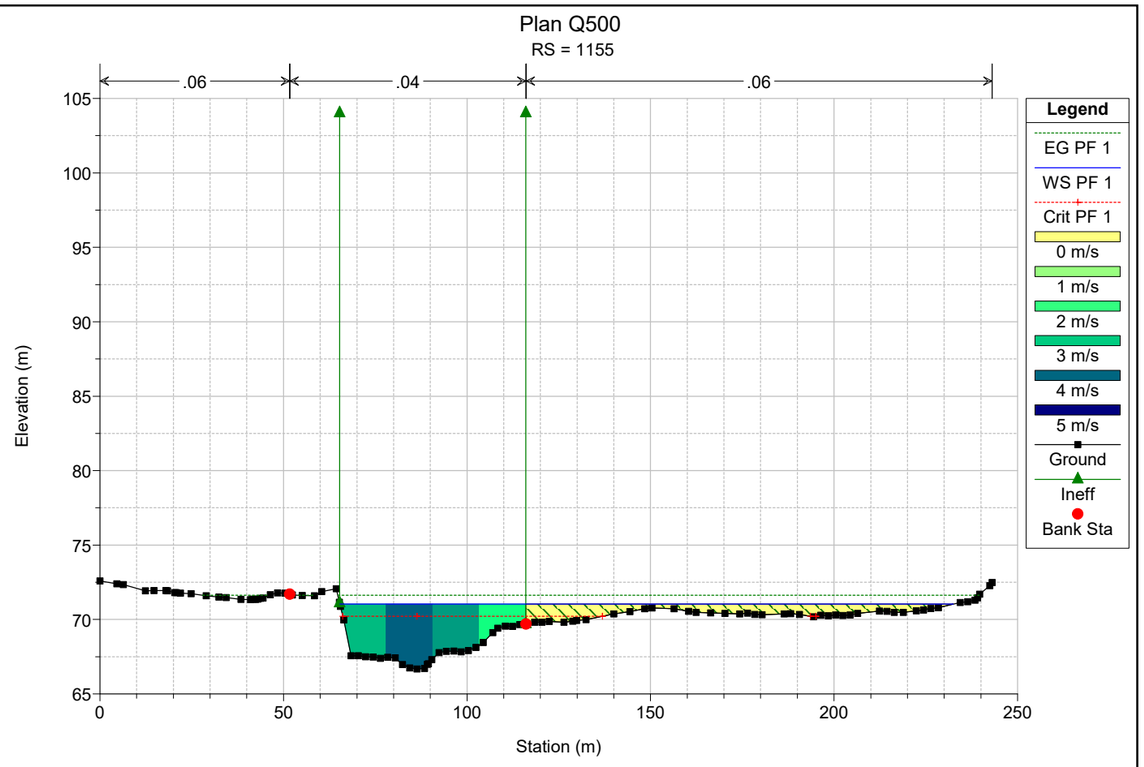

Plan Q500
RS = 1325
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Bank Sta

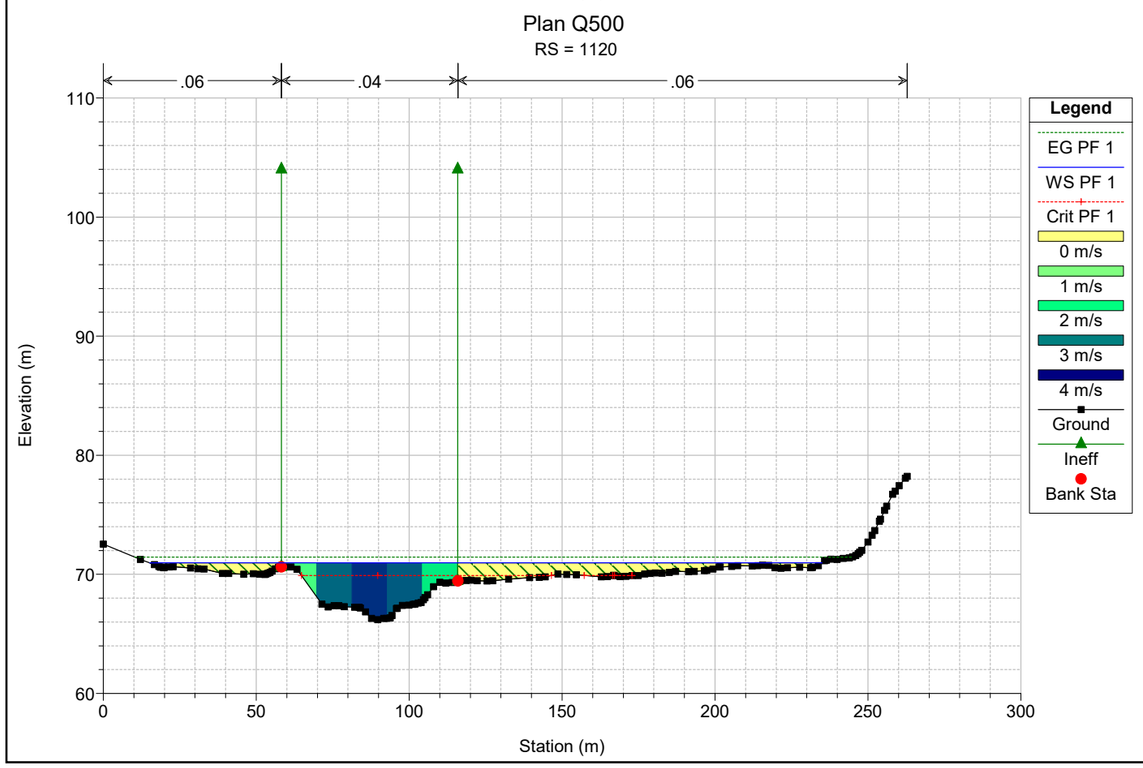

Plan Q500
RS = 1280
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
5 m/s
6 m/s
7 m/s
8 m/s
9 m/s
10 m/s
Ground
Bank Sta

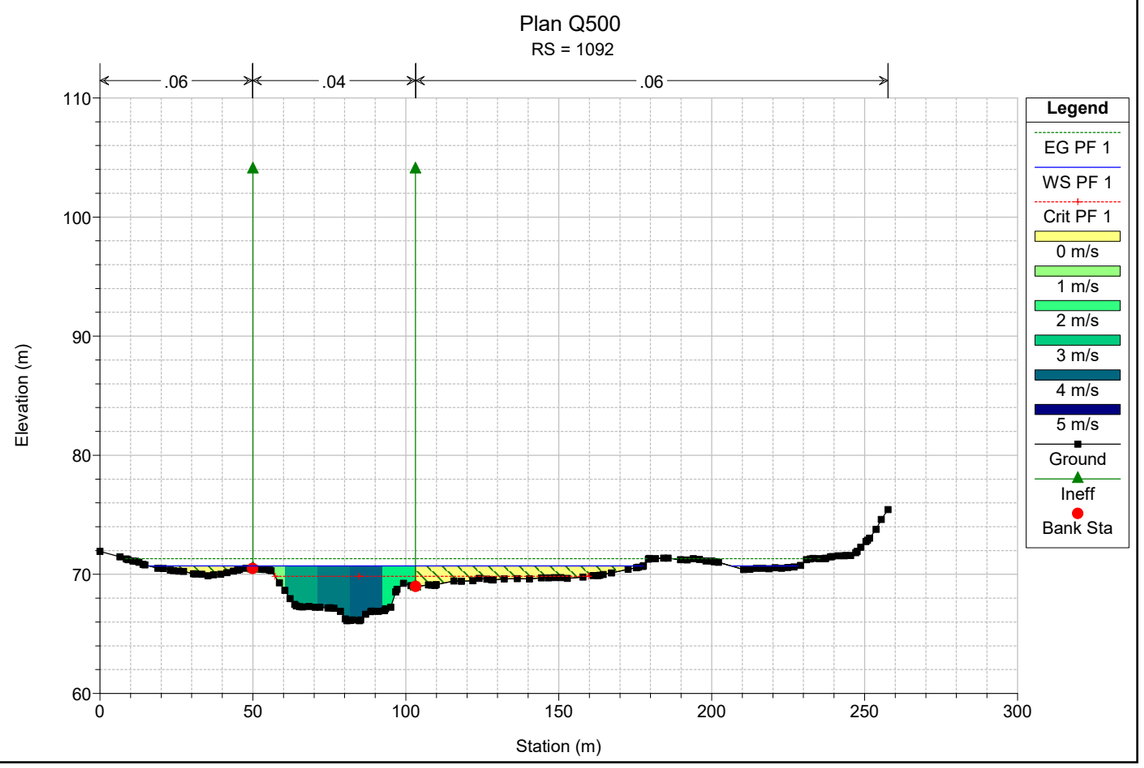

Plan Q500
RS = 1250
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
8 m/s
Ground
Bank Sta

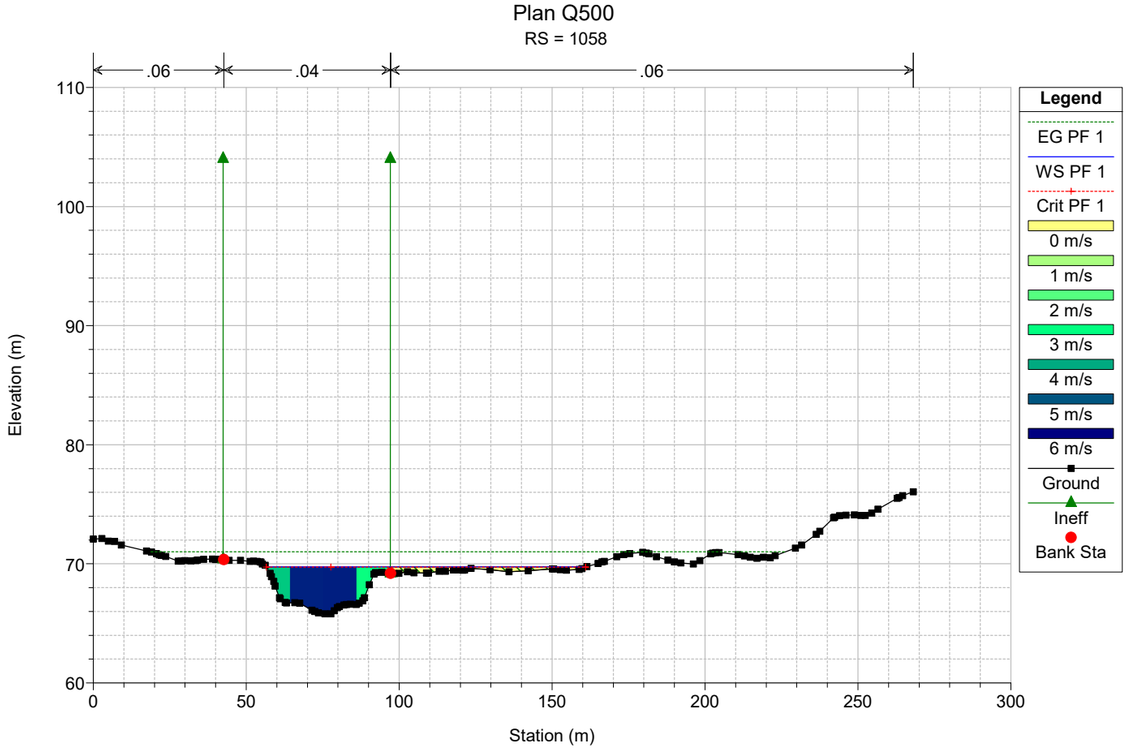

Plan Q500
RS = 1224
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
Ground
Bank Sta

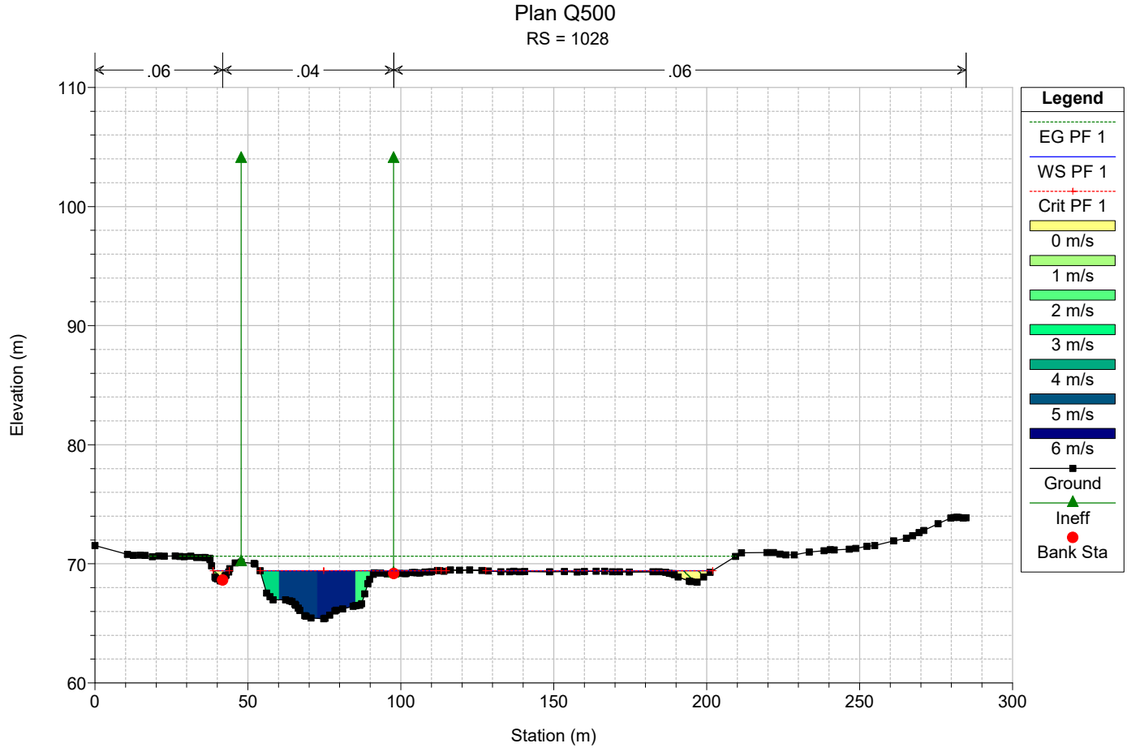

Plan Q500
RS = 1193
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

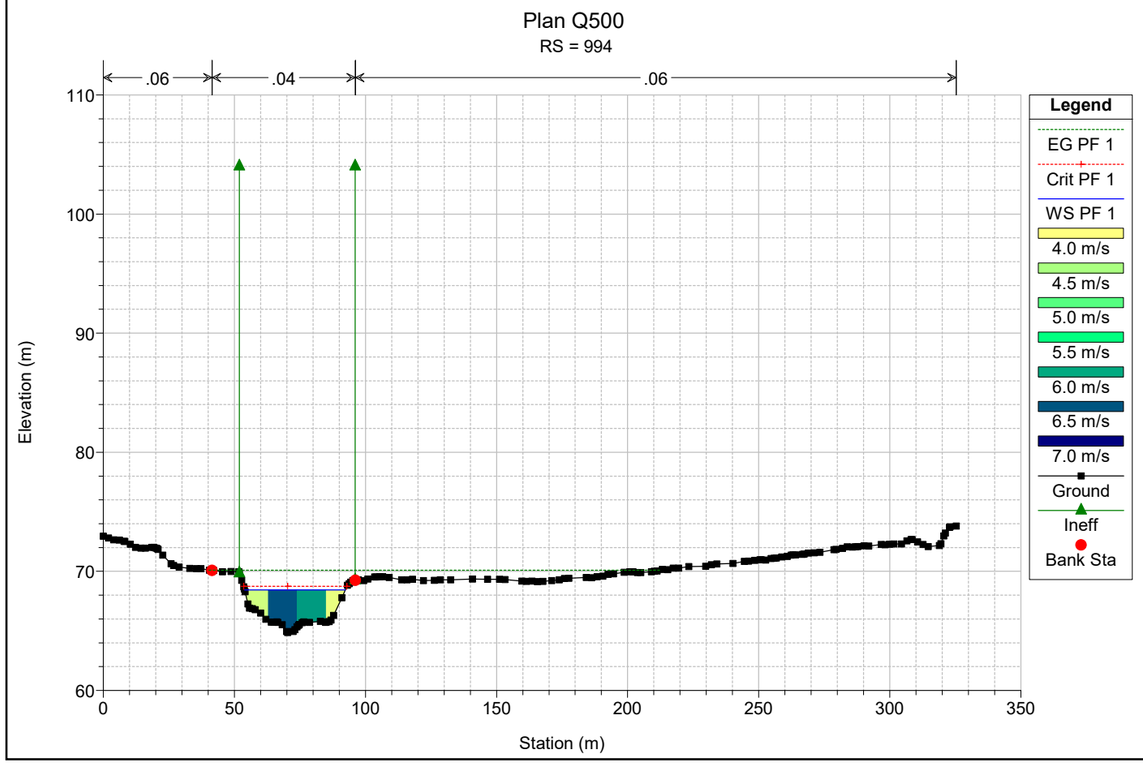

Plan Q500
RS = 1155
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

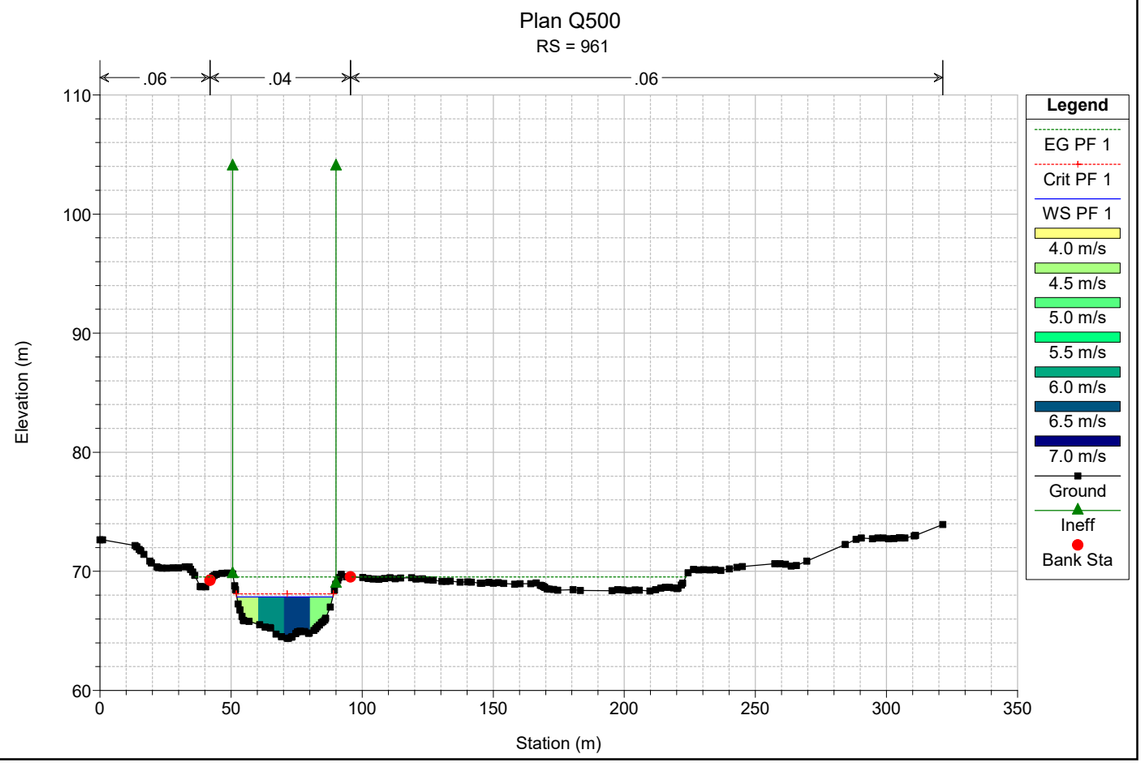

Plan Q500
RS = 1120
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
Ground
Ineff
Bank Sta

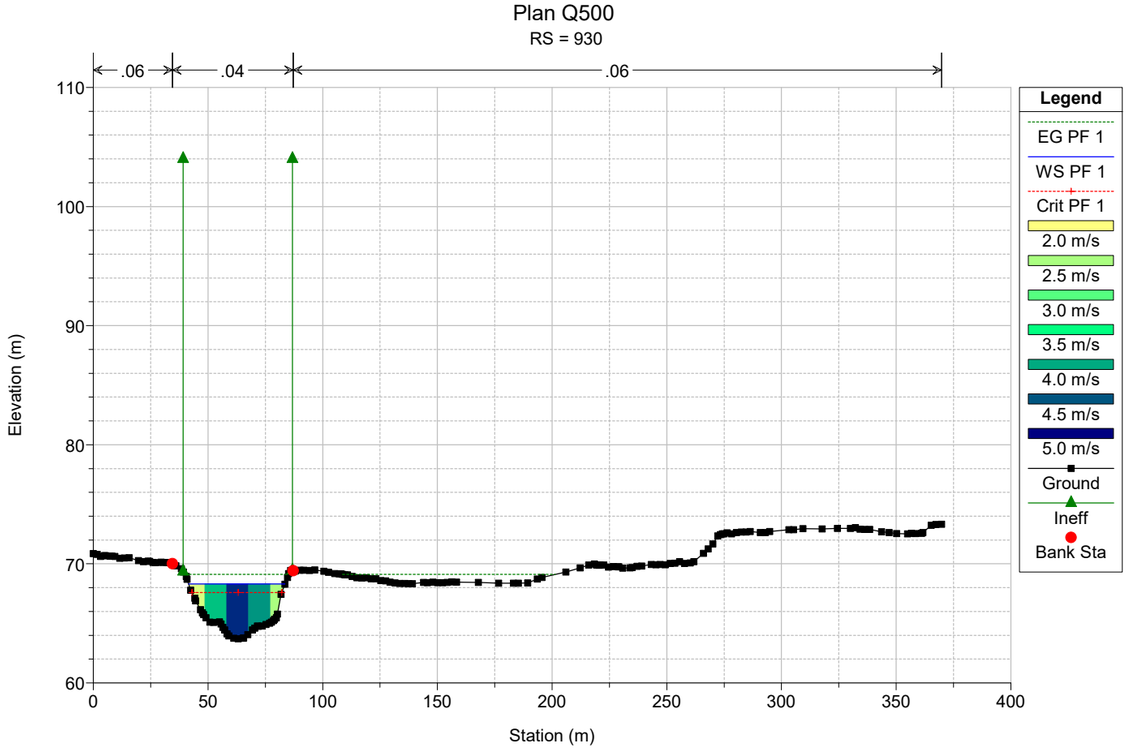

Plan Q500
RS = 1092
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

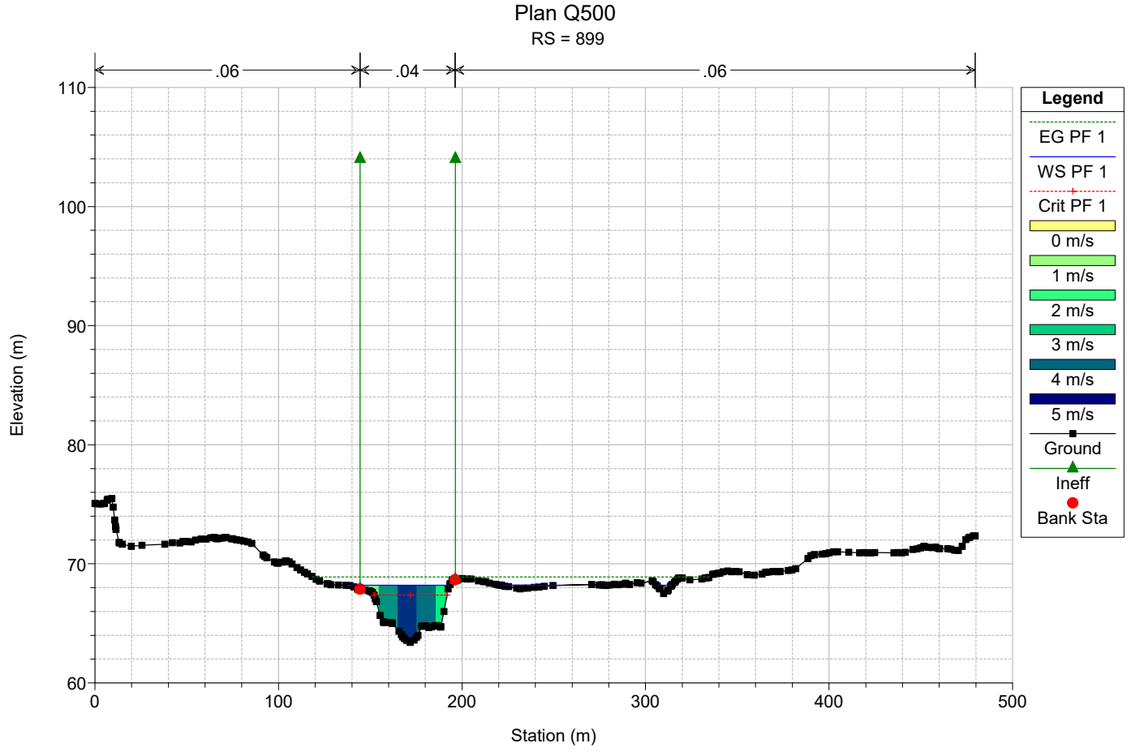

Plan Q500
RS = 1058
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

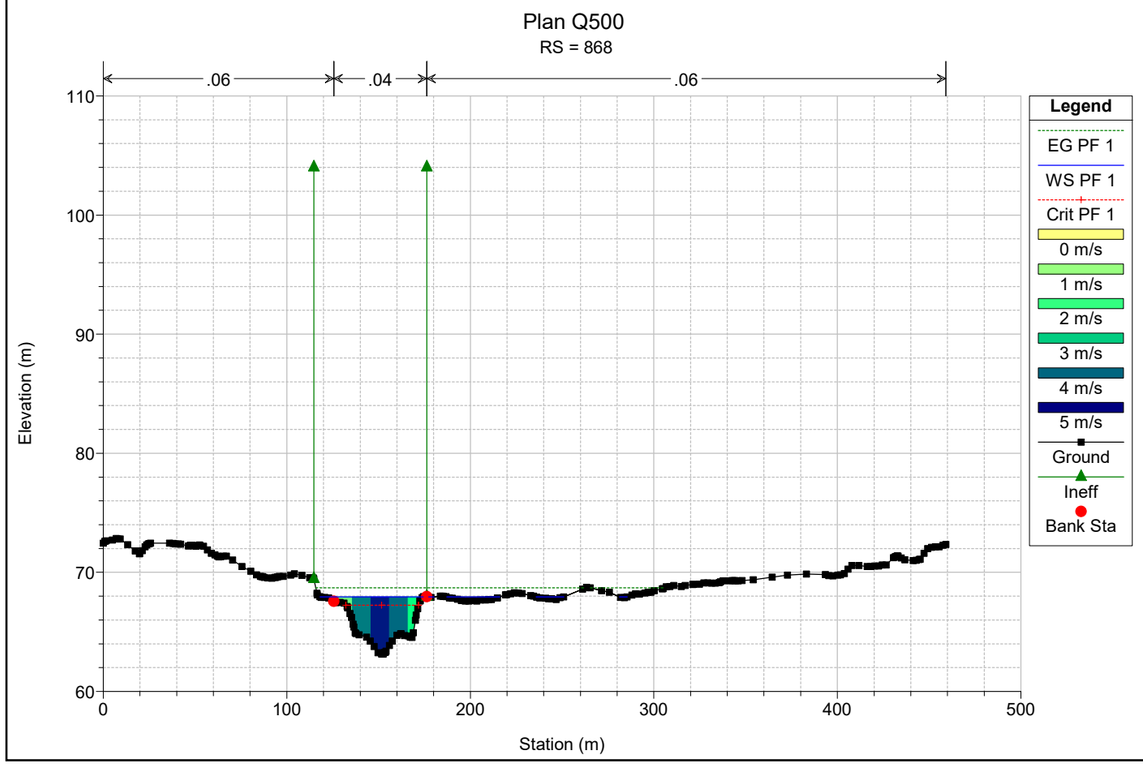

Plan Q500
RS = 1028
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

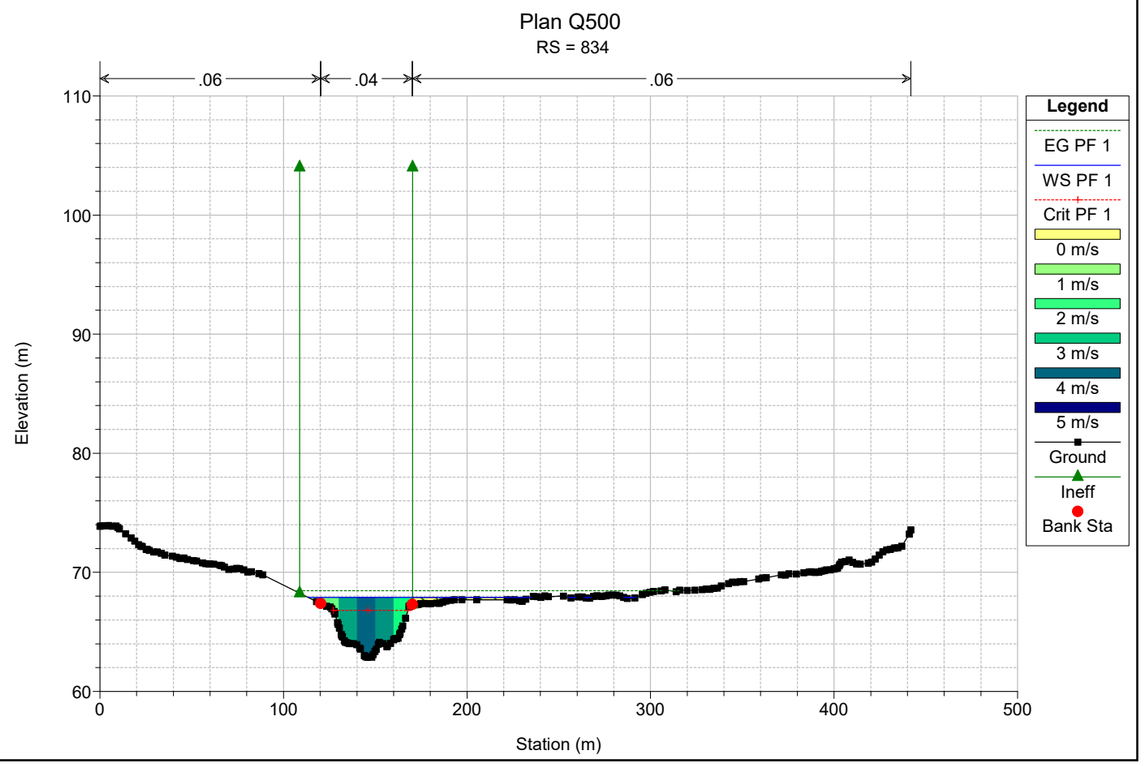

Plan Q500
RS = 994
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
6.0 m/s
6.5 m/s
7.0 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 961
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
6.0 m/s
6.5 m/s
7.0 m/s
Ground
Ineff
Bank Sta

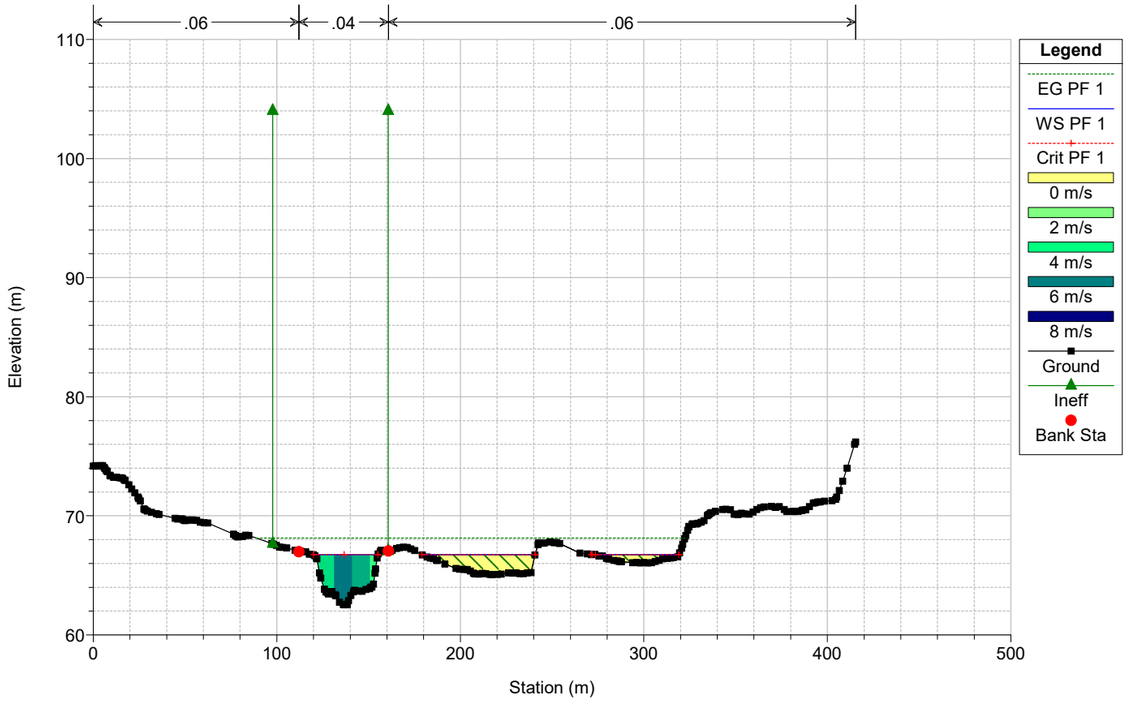

Plan Q500
RS = 930
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 899
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

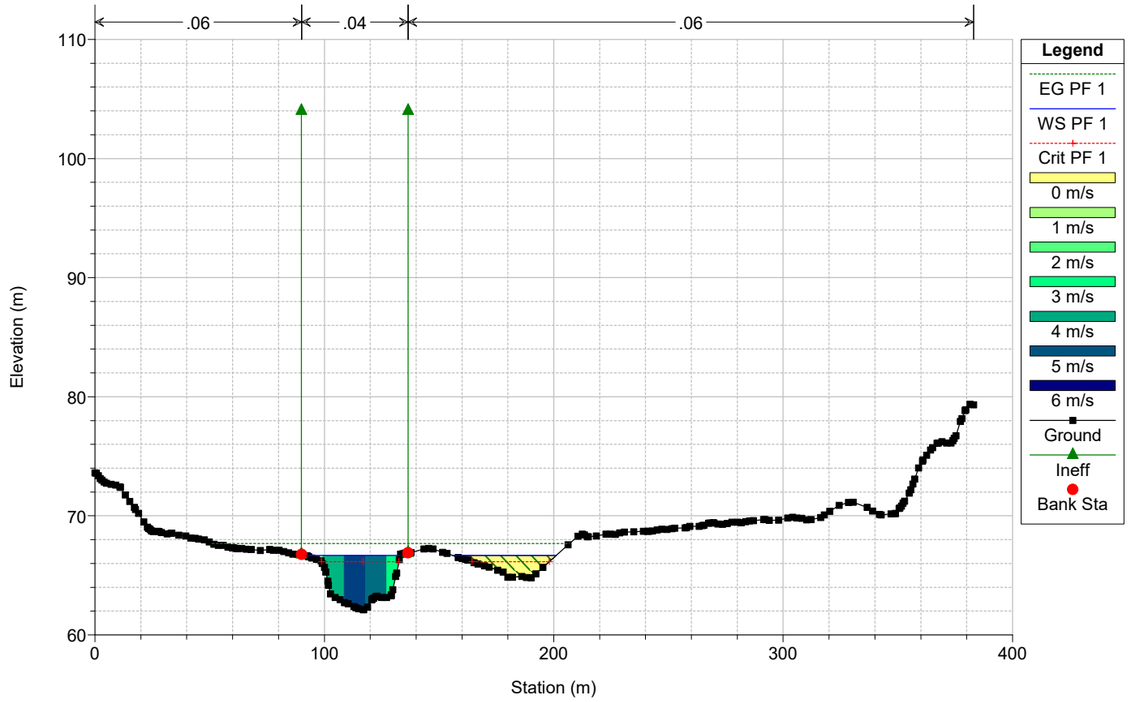

Plan Q500
RS = 868
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 834
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

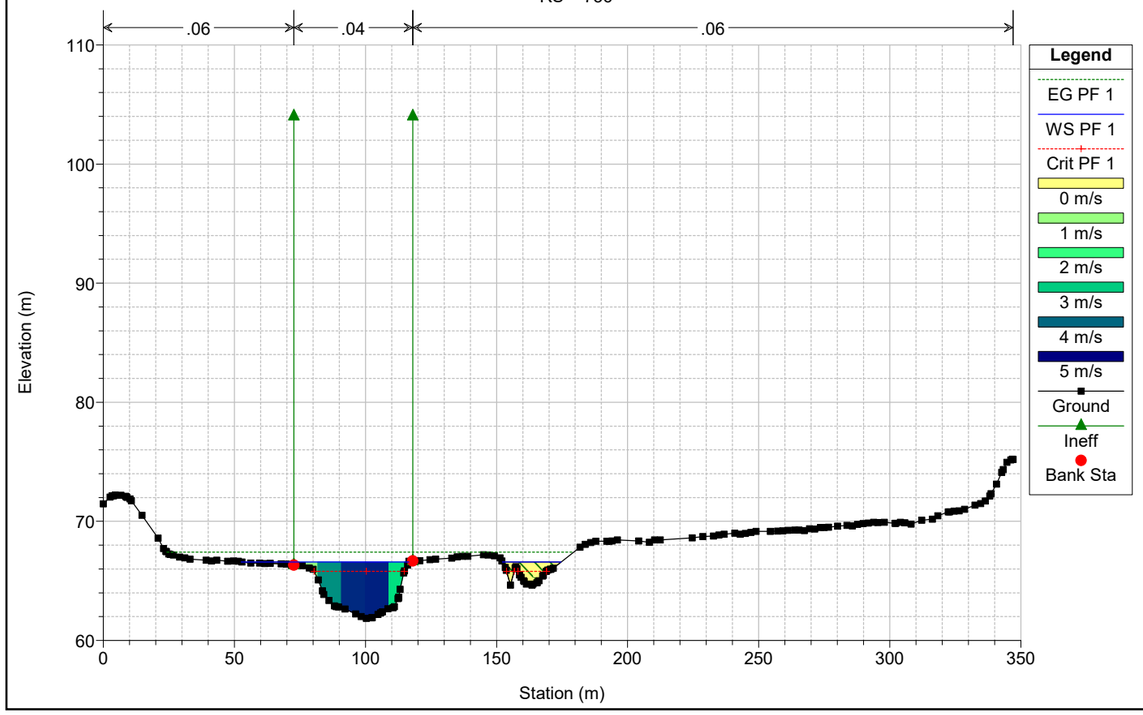
Plan Q500
RS = 797



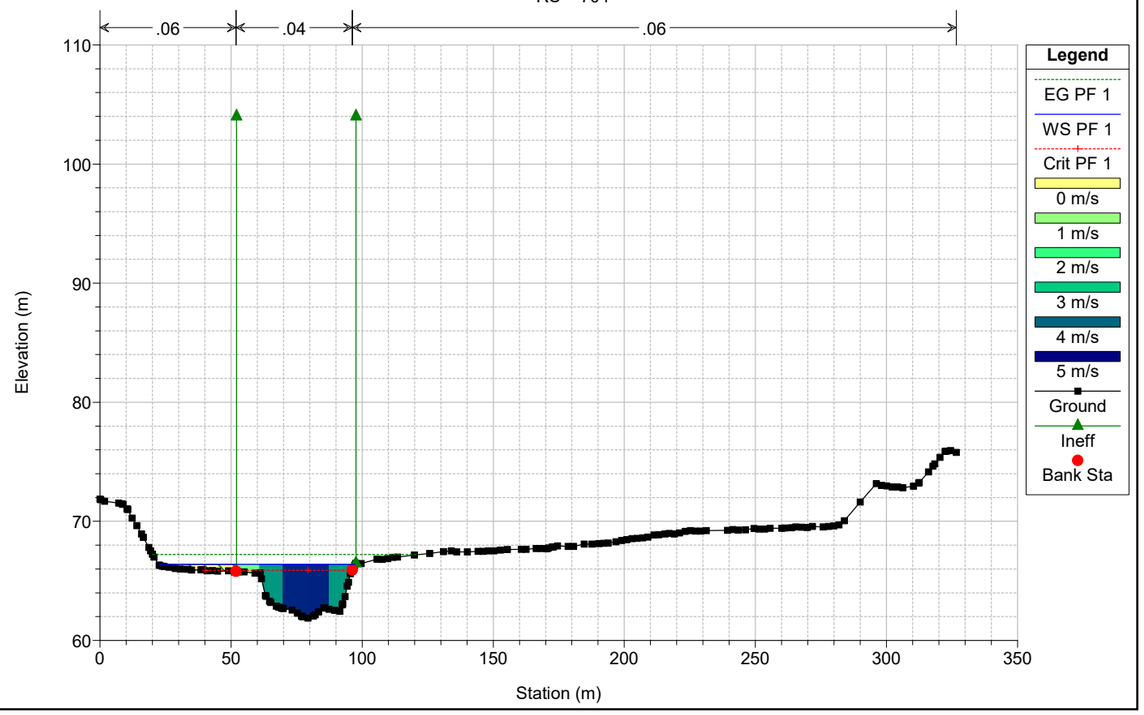
Plan Q500
RS = 763

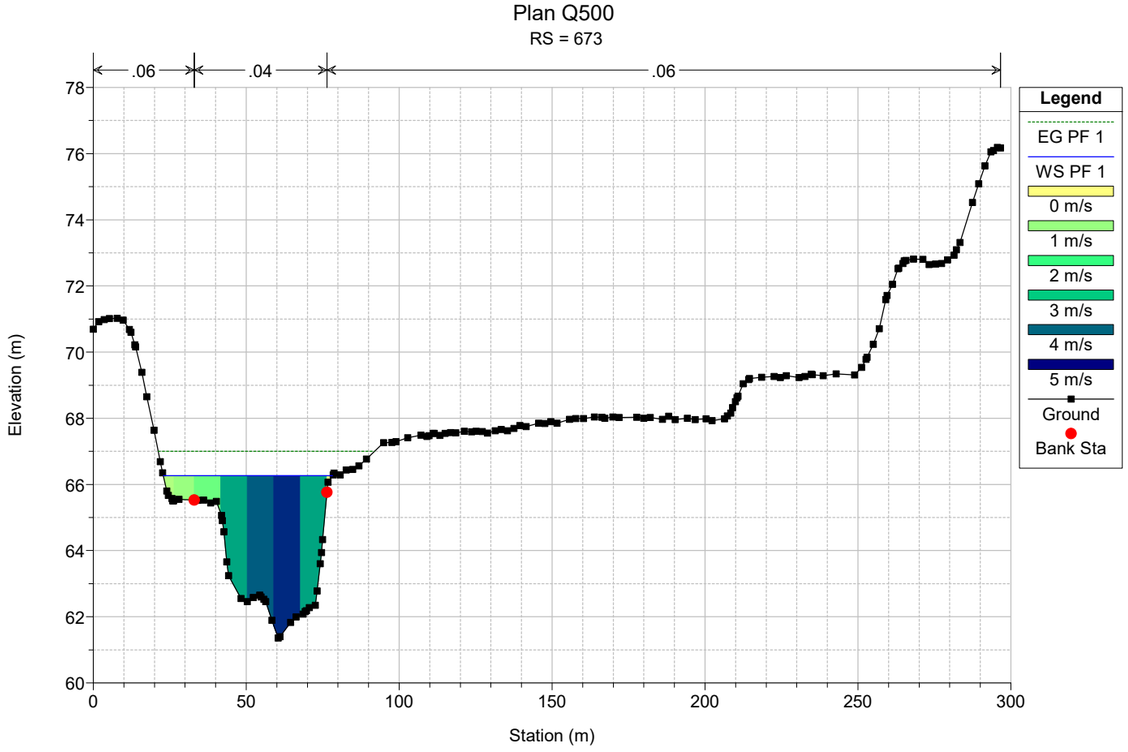


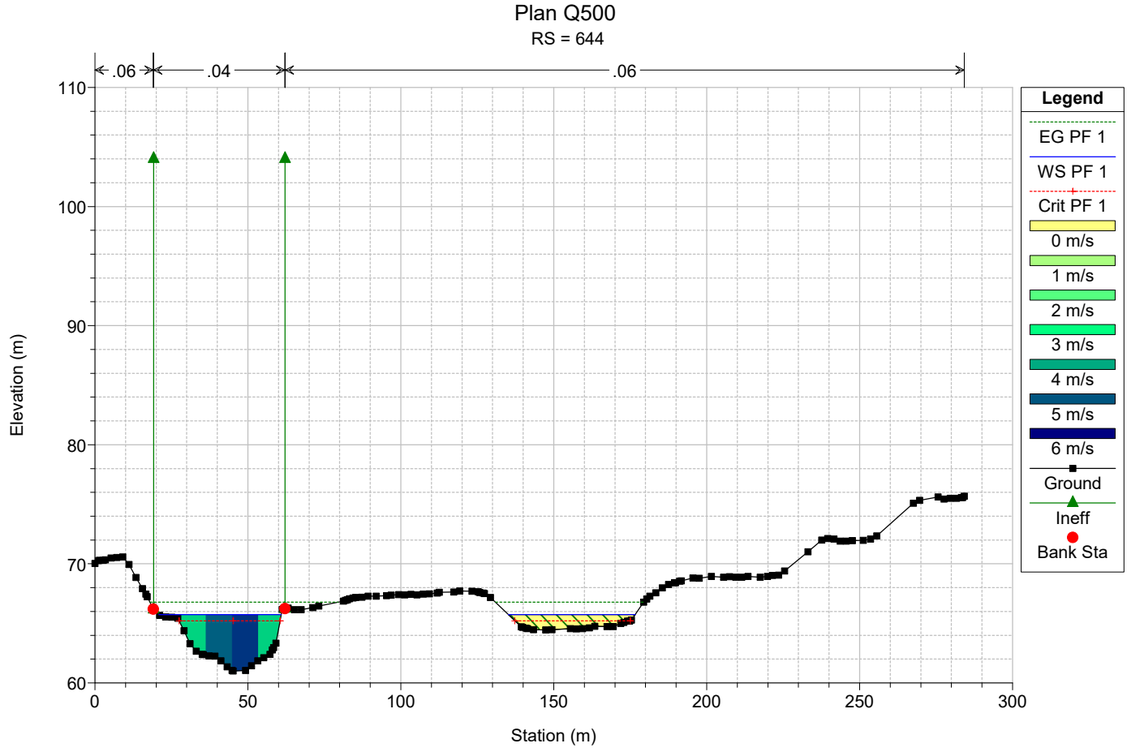
Plan Q500
RS = 736

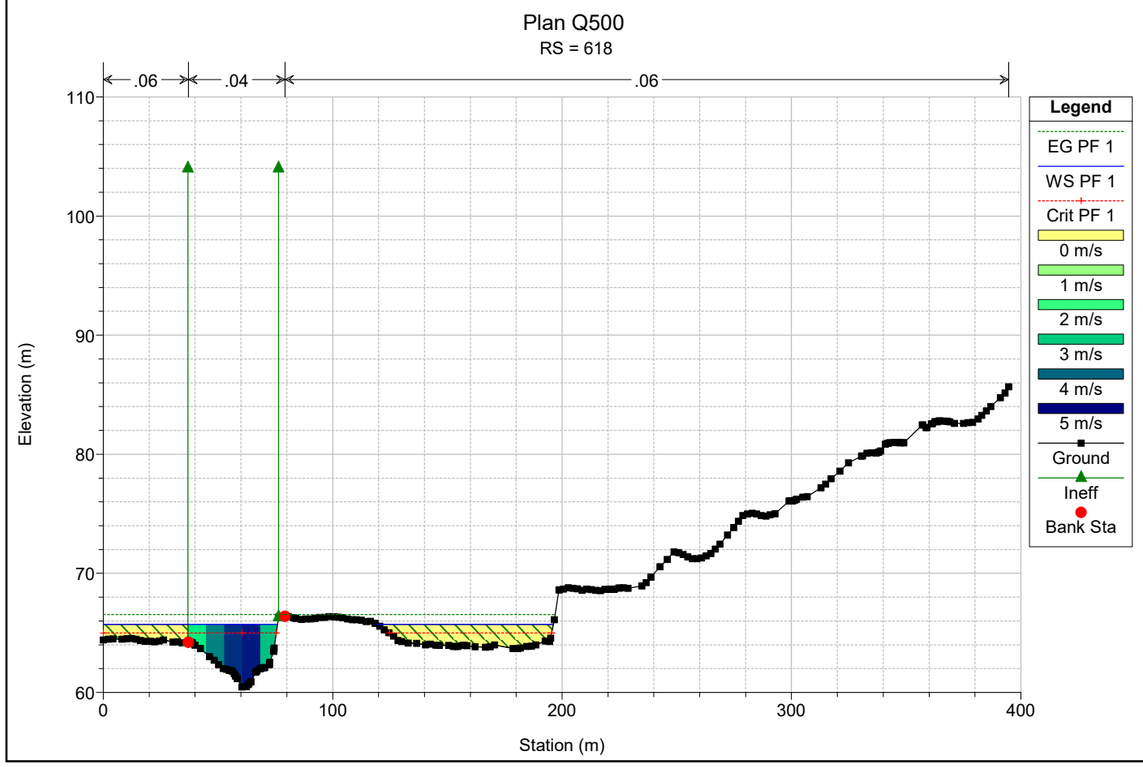


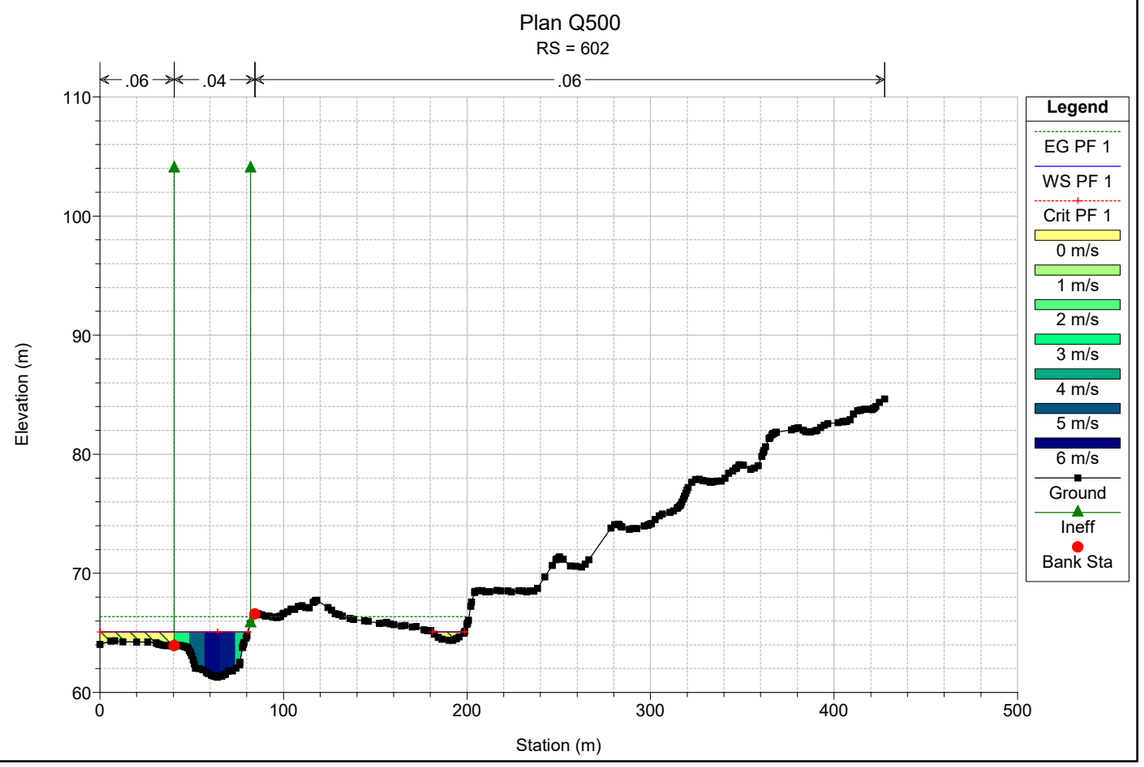
Plan Q500
RS = 704

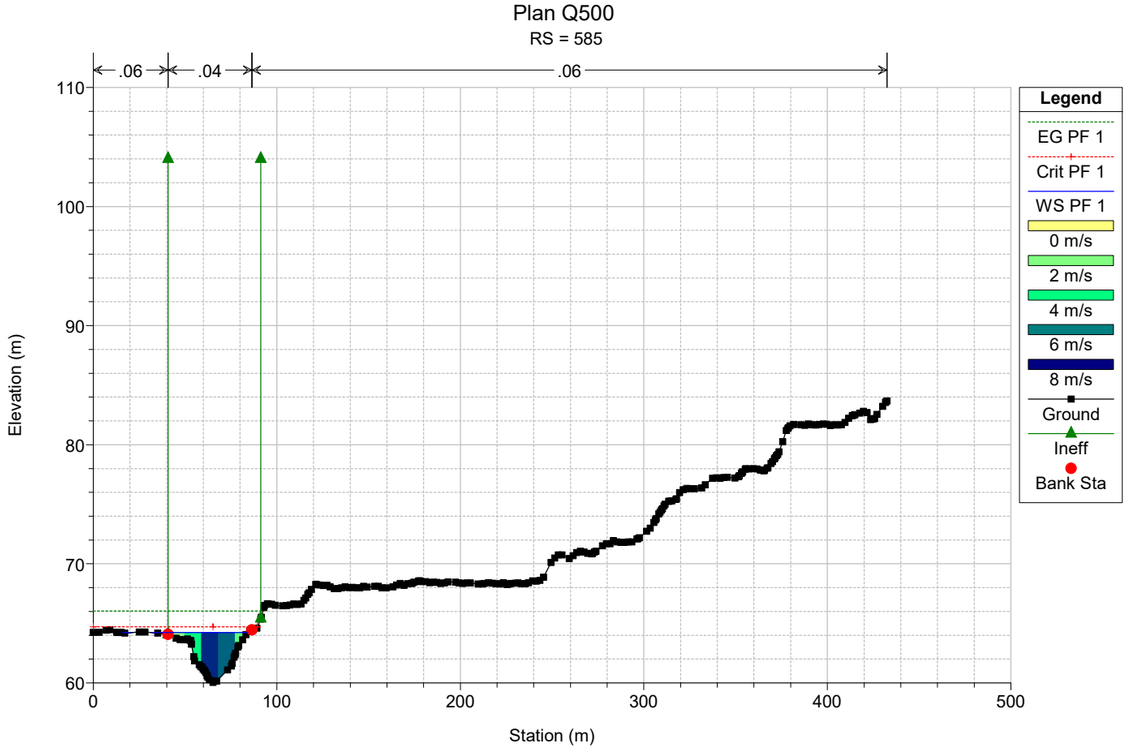


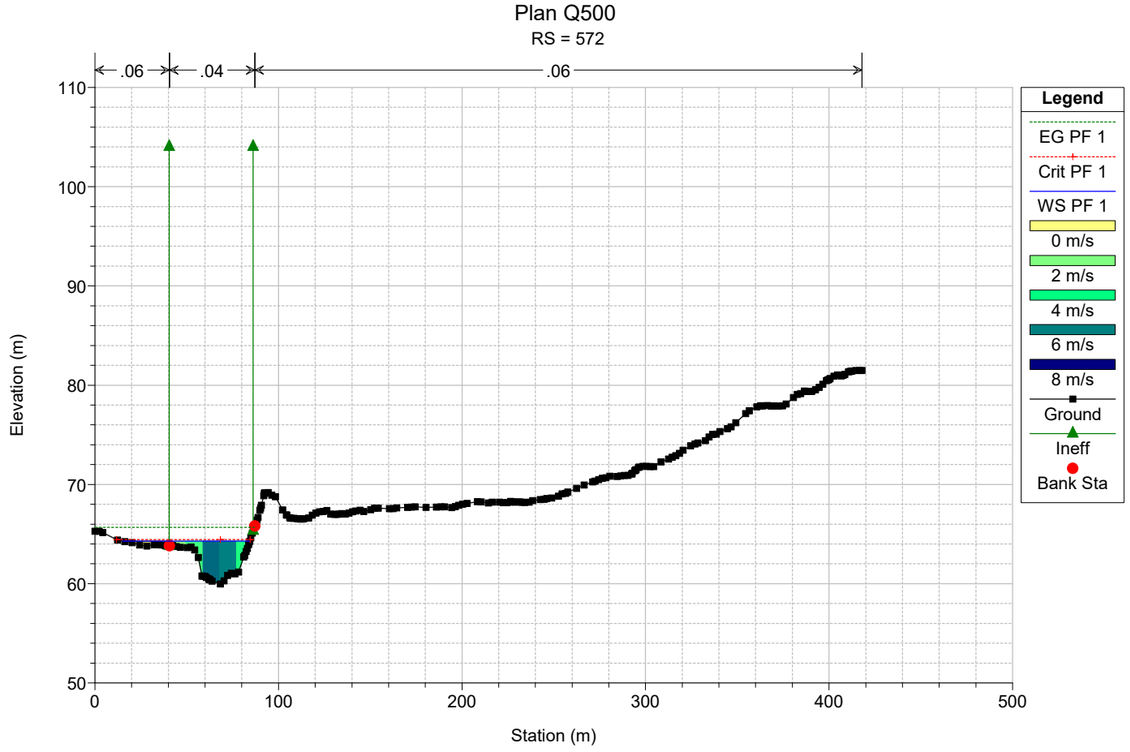

Plan Q500
RS = 673
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Bank Sta

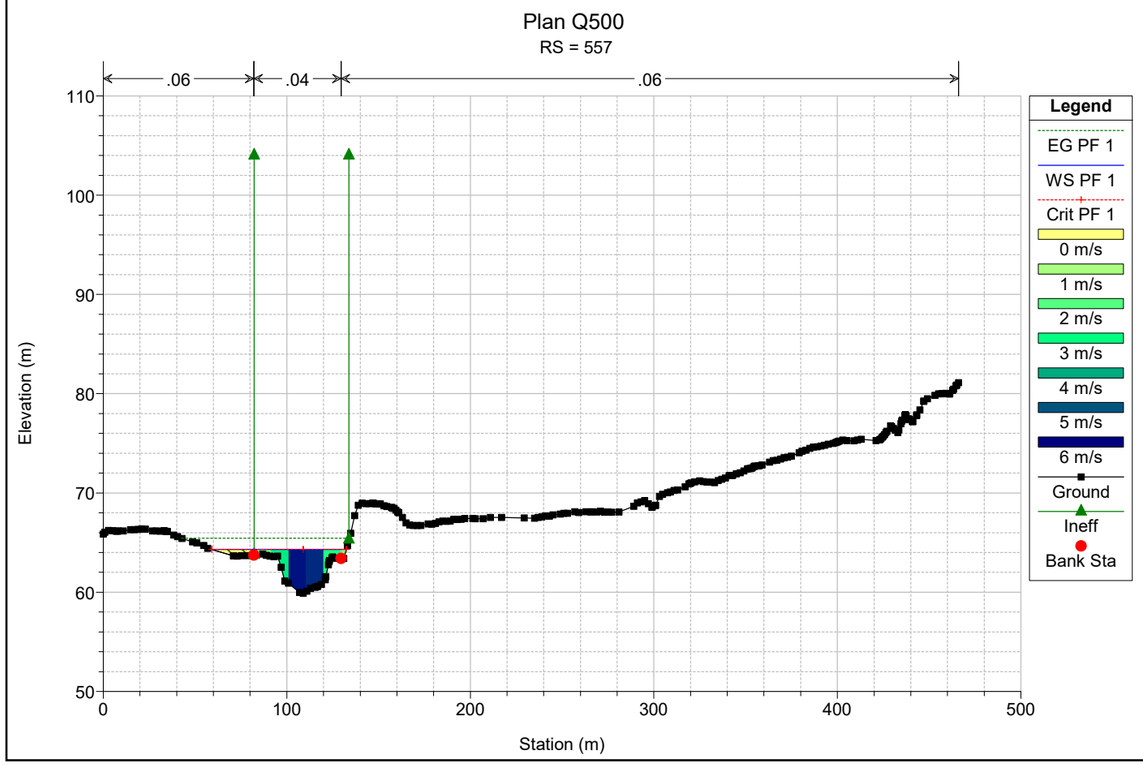

Plan Q500
RS = 644
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

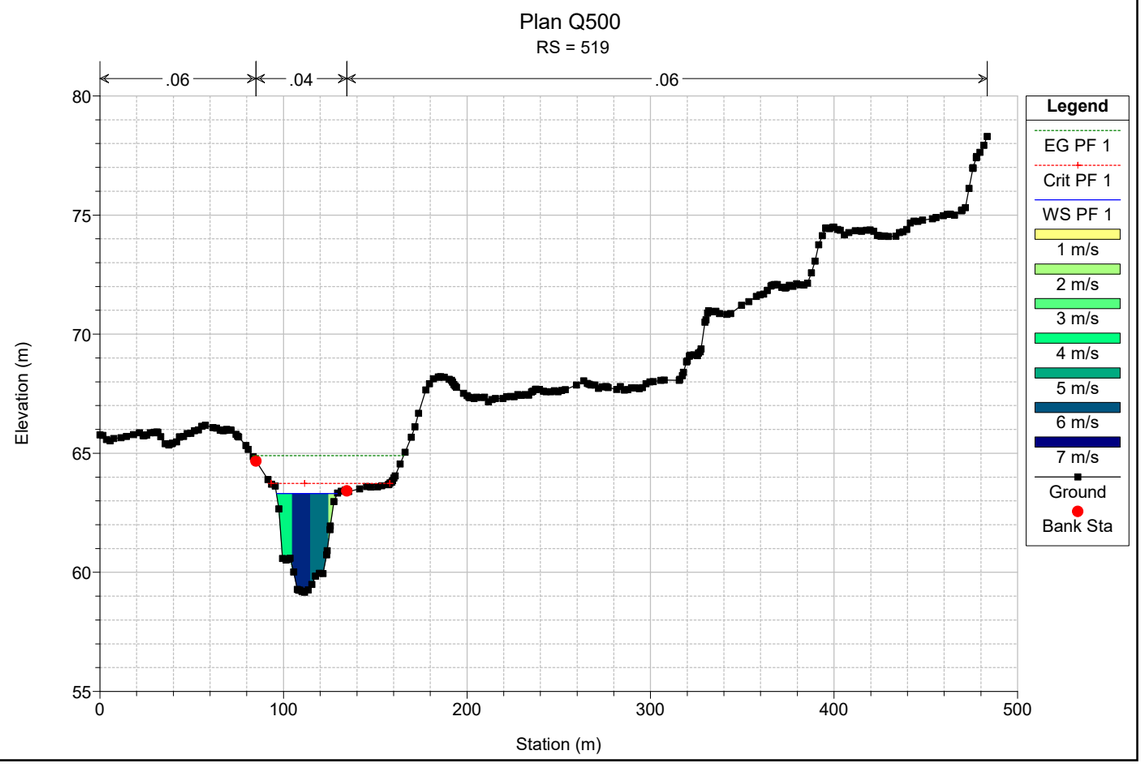

Plan Q500
RS = 618
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

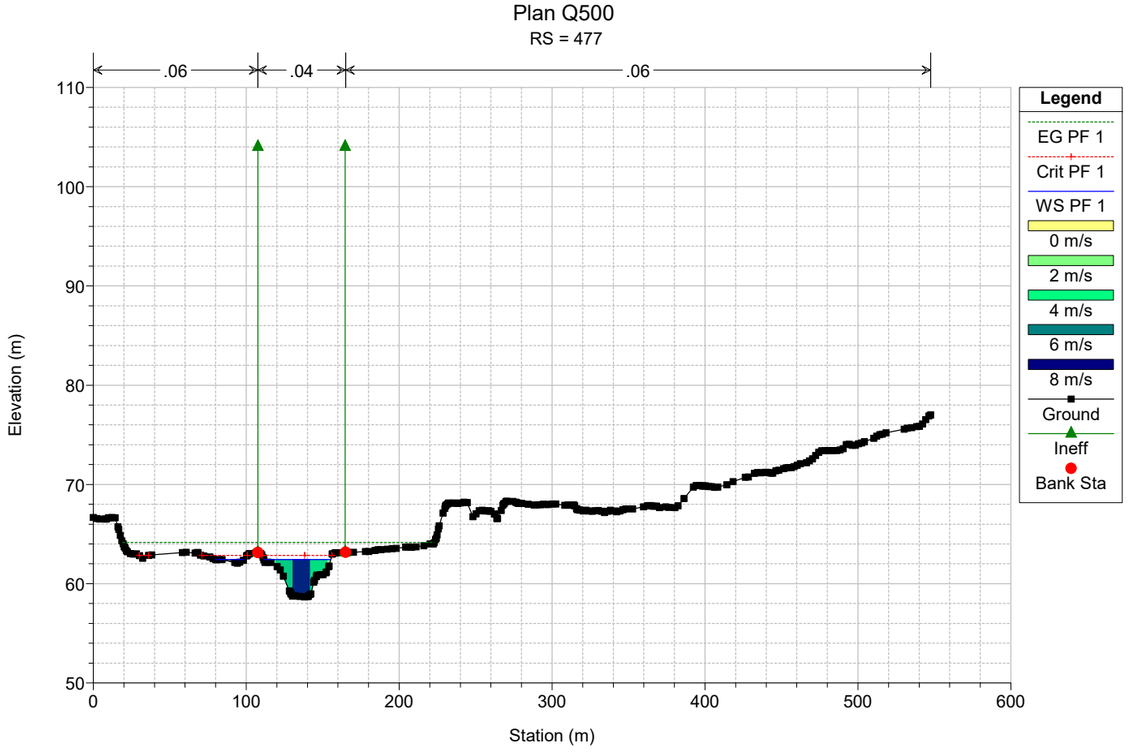

Plan Q500
RS = 602
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

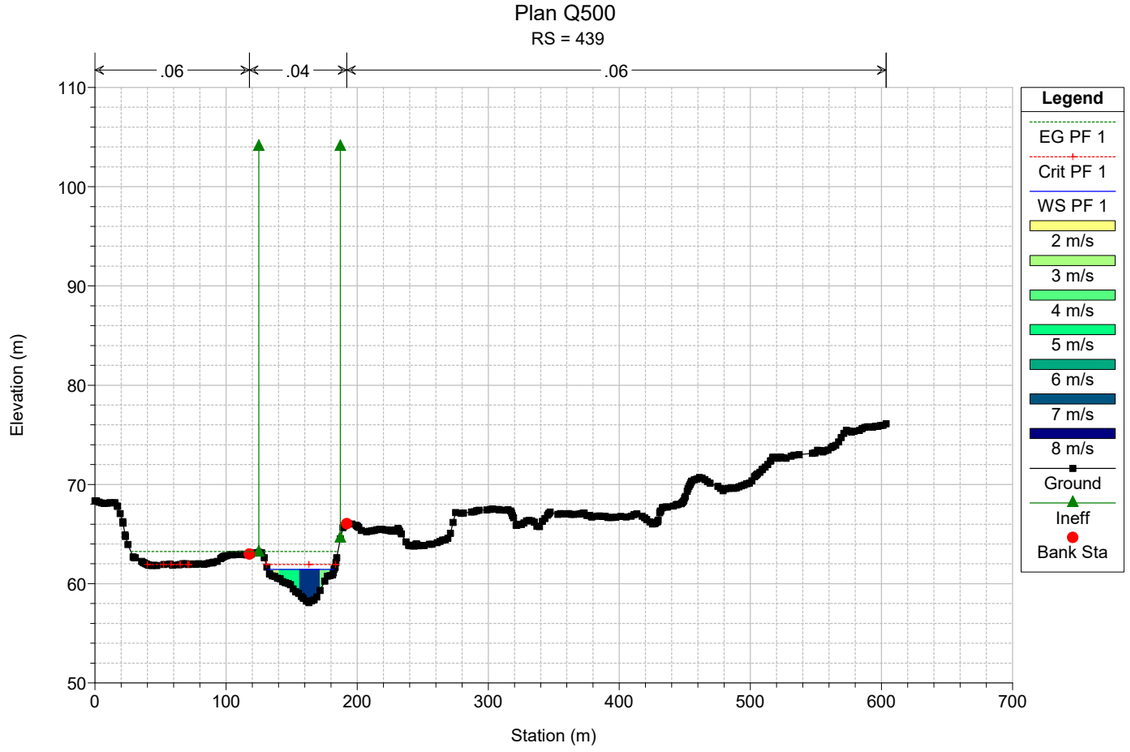

Plan Q500
RS = 585
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

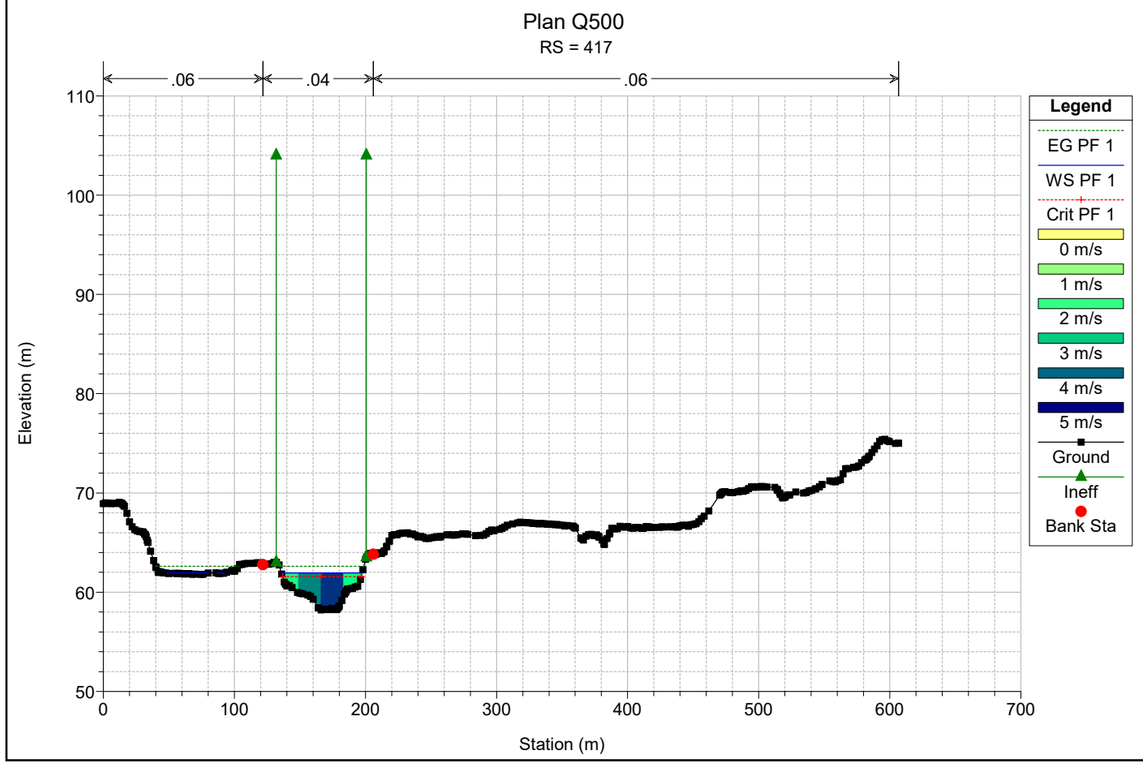

Plan Q500
RS = 572
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

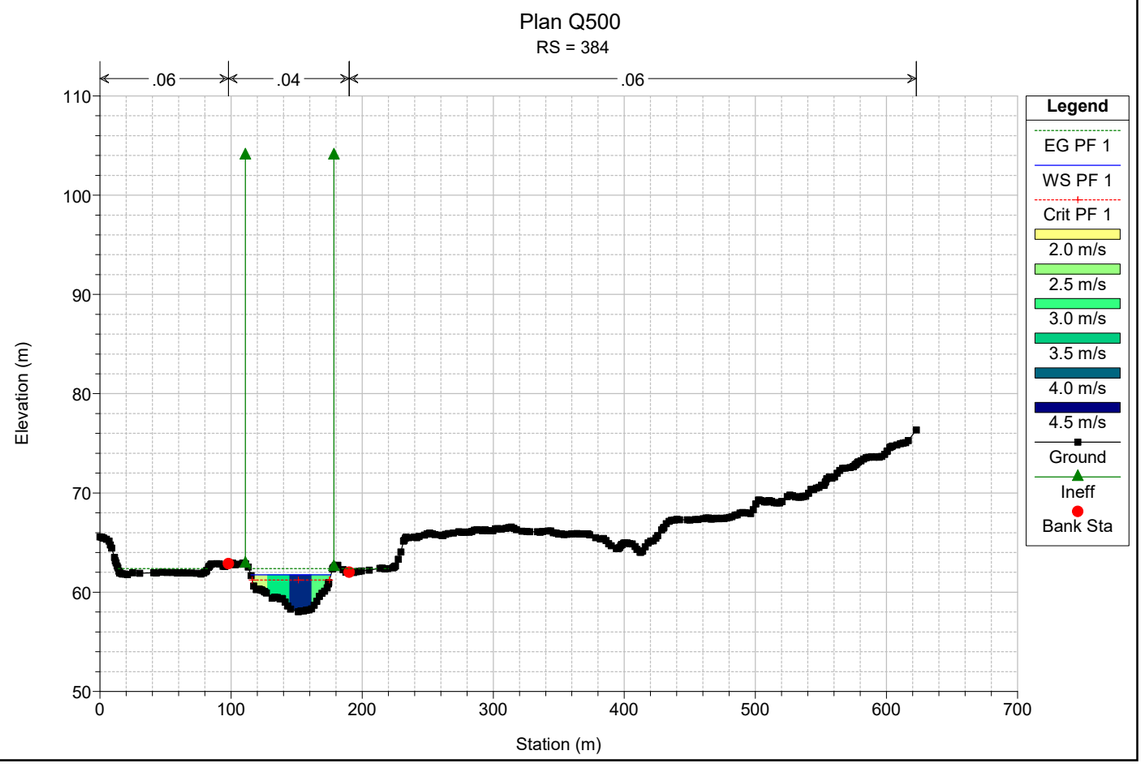

Plan Q500
RS = 557
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Ineff
Bank Sta

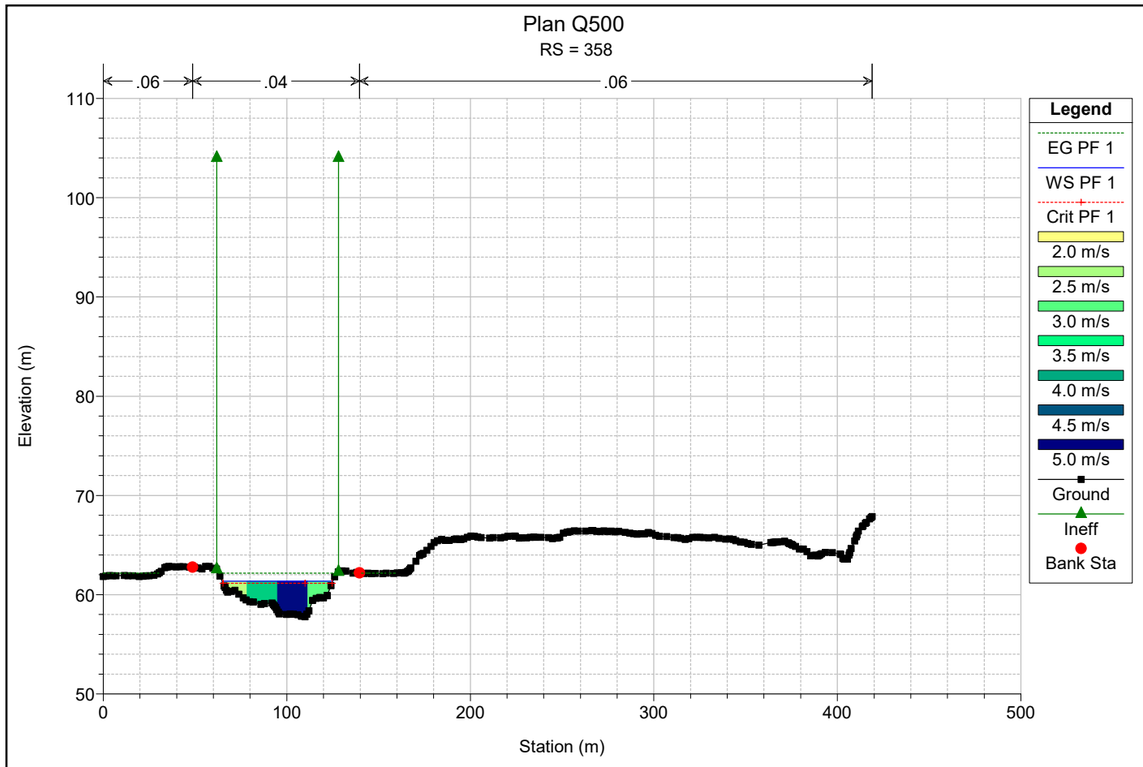

Plan Q500
RS = 519
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
Ground
Bank Sta

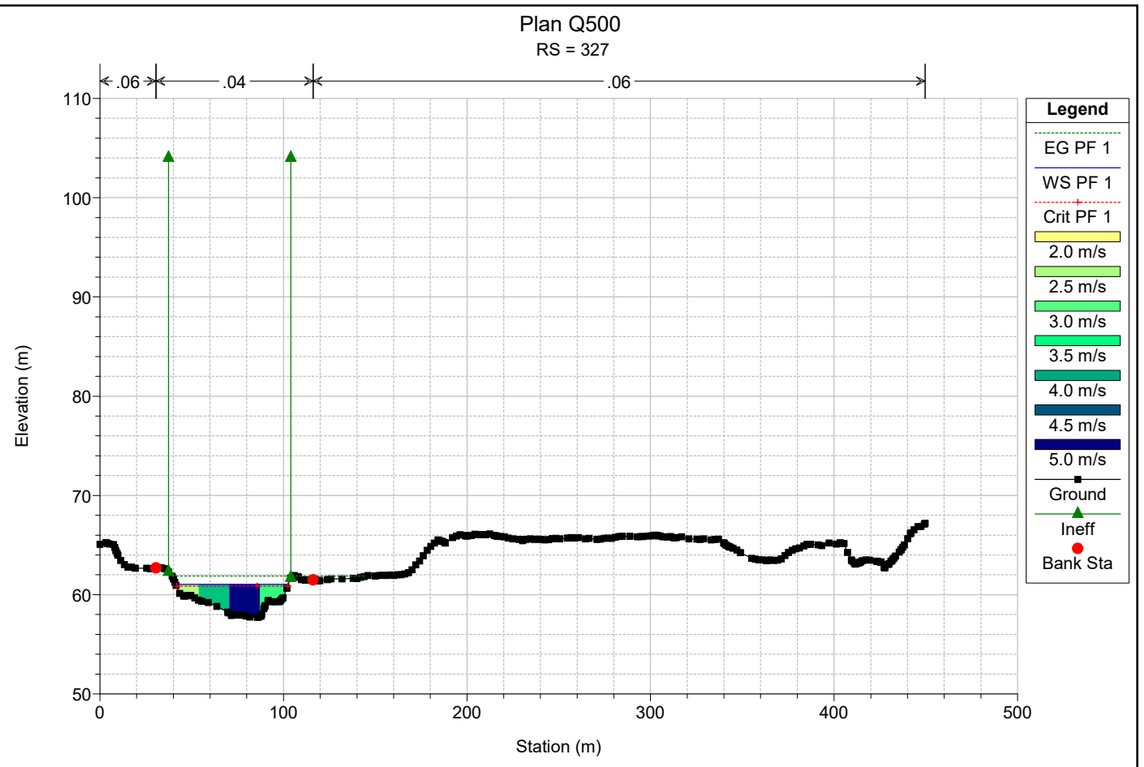

Plan Q500
RS = 477
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
0 m/s
2 m/s
4 m/s
6 m/s
8 m/s
Ground
Ineff
Bank Sta

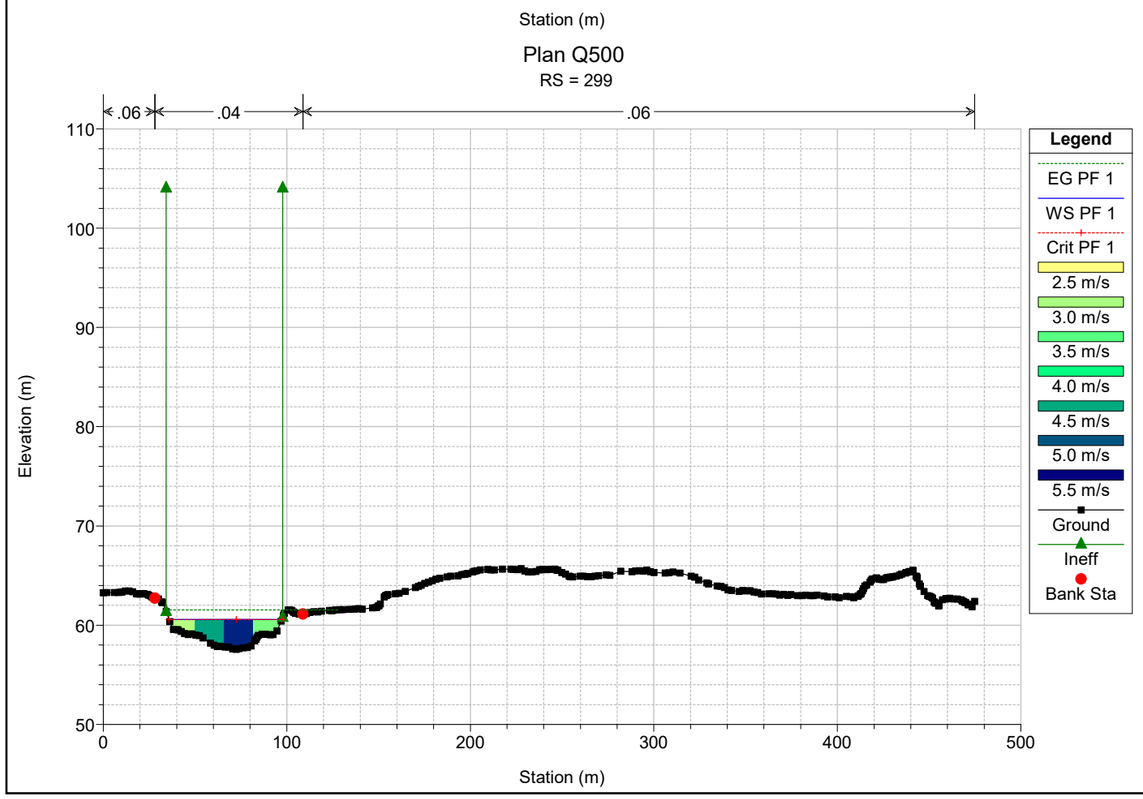

Plan Q500
RS = 439
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
8 m/s
Ground
Ineff
Bank Sta

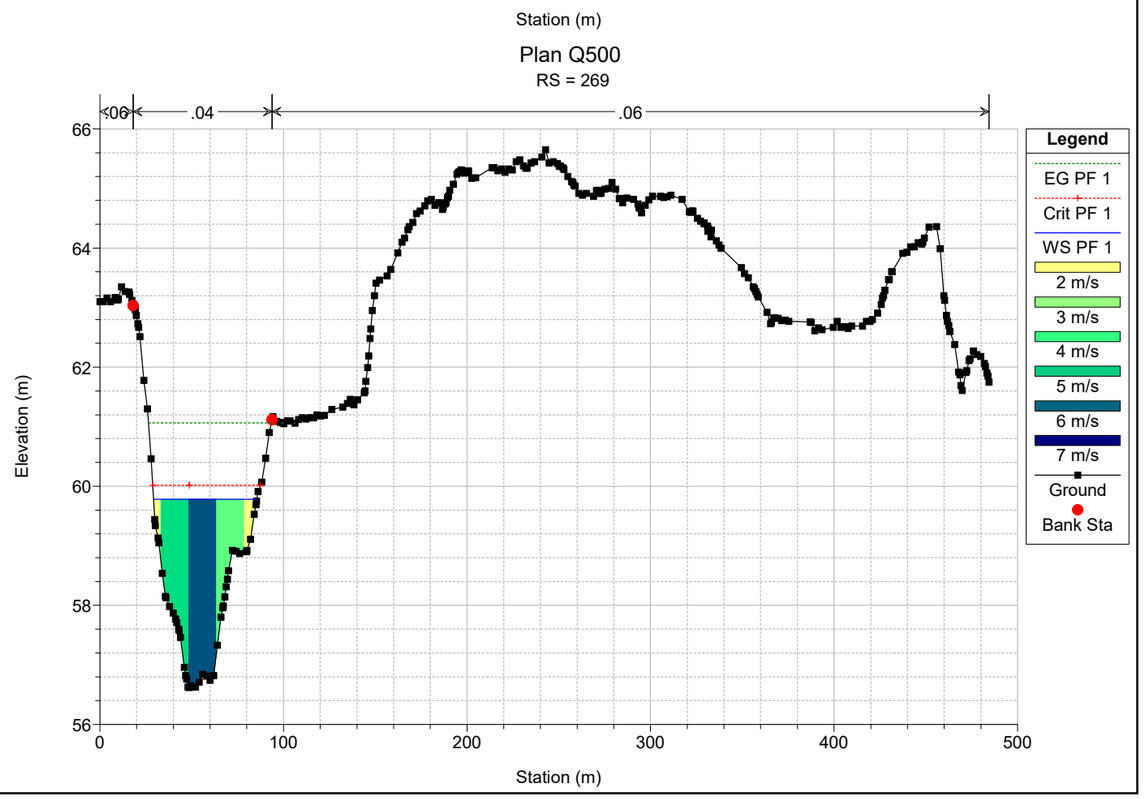

Plan Q500
RS = 417
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
0 m/s
1 m/s
2 m/s
3 m/s
4 m/s
5 m/s
Ground
Ineff
Bank Sta

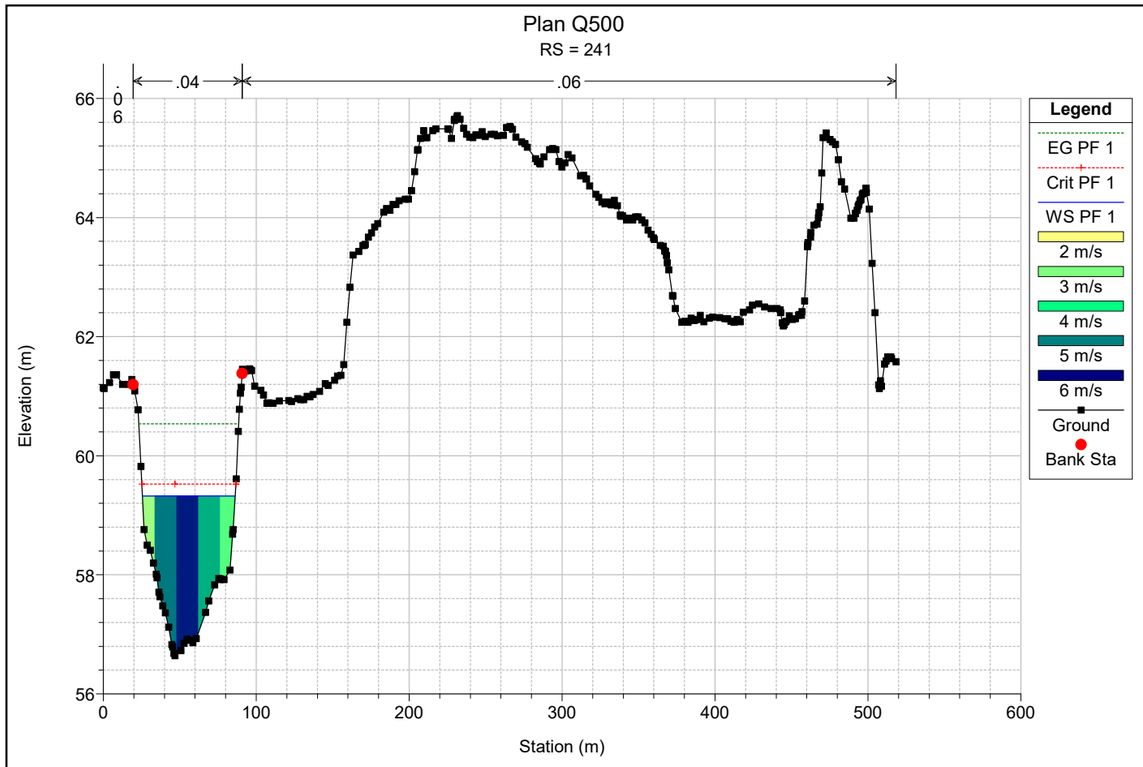

Plan Q500
RS = 384
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
Ground
Ineff
Bank Sta

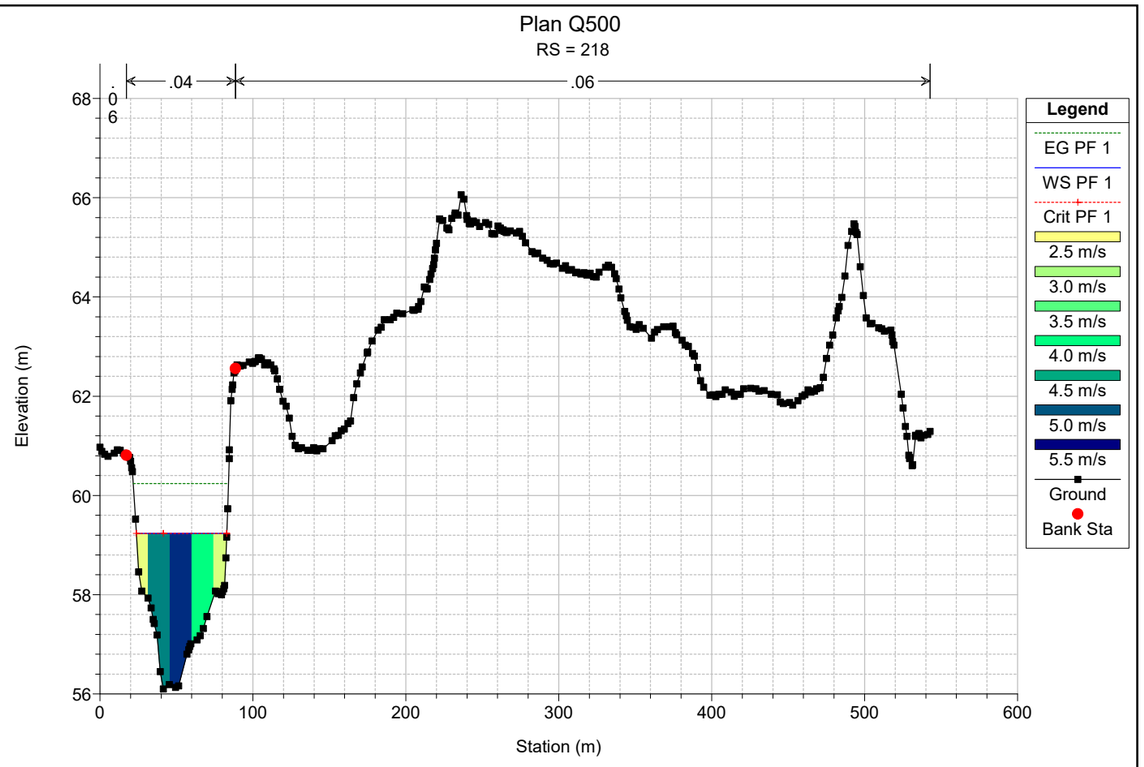

Plan Q500
RS = 358
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 327
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.0 m/s
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 299
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
Ground
Ineff
Bank Sta


Plan Q500
RS = 269
.06
.04
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
7 m/s
Ground
Bank Sta


Plan Q500
RS = 241
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
Crit PF 1
WS PF 1
2 m/s
3 m/s
4 m/s
5 m/s
6 m/s
Ground
Bank Sta


Plan Q500
RS = 218
.04
.06
.06
Elevation (m)
Station (m)
Legend
EG PF 1
WS PF 1
Crit PF 1
2.5 m/s
3.0 m/s
3.5 m/s
4.0 m/s
4.5 m/s
5.0 m/s
5.5 m/s
Ground
Bank Sta

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
River 2	Reach 2	2411	PF 1	521.47	78.93	84.82	85.07	0.001554	2.40	266.23	98.39	0.39
River 2	Reach 2	2380	PF 1	521.47	78.64	84.60	84.98	0.004906	2.86	200.47	66.53	0.45
River 2	Reach 2	2352	PF 1	521.47	78.42	84.22	84.80	0.007328	3.39	161.98	58.22	0.54
River 2	Reach 2	2318	PF 1	521.47	78.40	83.65	84.47	0.011370	4.00	130.29	36.13	0.67
River 2	Reach 2	2274	PF 1	521.47	78.15	83.18	83.98	0.010653	3.96	131.81	34.75	0.65
River 2	Reach 2	2234	PF 1	521.47	77.53	82.88	83.57	0.008376	3.66	142.61	75.21	0.58
River 2	Reach 2	2201	PF 1	521.47	77.16	82.62	83.29	0.008303	3.64	143.27	60.74	0.58
River 2	Reach 2	2171	PF 1	521.47	77.10	82.38	83.05	0.007868	3.63	143.79	137.87	0.58
River 2	Reach 2	2141	PF 1	521.47	76.83	82.05	82.79	0.009091	3.81	136.83	155.33	0.62
River 2	Reach 2	2102	PF 1	521.47	76.64	81.73	82.44	0.008258	3.72	140.08	232.24	0.59
River 2	Reach 2	2063	PF 1	521.47	76.32	81.42	82.10	0.008460	3.65	142.99	254.07	0.59
River 2	Reach 2	2031	PF 1	521.47	76.04	81.16	81.84	0.008360	3.64	143.26	239.48	0.59
River 2	Reach 2	1986	PF 1	521.47	75.71	80.69	81.43	0.009313	3.81	136.82	248.86	0.62
River 2	Reach 2	1945	PF 1	521.47	75.40	80.44	81.03	0.008260	3.38	154.32	232.54	0.58
River 2	Reach 2	1912	PF 1	521.47	74.93	80.13	80.75	0.008268	3.48	149.96	242.99	0.58
River 2	Reach 2	1877	PF 1	521.47	74.49	79.86	80.45	0.008060	3.42	152.80	312.99	0.58
River 2	Reach 2	1840	PF 1	521.47	74.25	79.63	80.15	0.007275	3.19	163.41	330.44	0.55
River 2	Reach 2	1791	PF 1	521.47	74.06	79.06	79.72	0.010039	3.59	145.08	323.74	0.64
River 2	Reach 2	1752	PF 1	521.47	73.72	78.73	79.35	0.008439	3.49	149.28	311.14	0.59
River 2	Reach 2	1715	PF 1	521.47	73.72	78.37	79.02	0.009285	3.57	146.06	279.28	0.62
River 2	Reach 2	1668	PF 1	521.47	73.41	78.17	78.59	0.006484	2.88	181.37	274.43	0.51
River 2	Reach 2	1613	PF 1	521.47	73.10	77.84	78.24	0.006105	2.78	187.70	262.88	0.50
River 2	Reach 2	1574	PF 1	521.47	72.84	77.48	77.98	0.006616	3.12	167.19	259.94	0.53
River 2	Reach 2	1528	PF 1	521.47	72.06	76.56	77.47	0.017121	4.21	123.94	266.62	0.81
River 2	Reach 2	1499	PF 1	521.47	71.61	76.36	77.01	0.010709	3.57	146.13	289.37	0.66
River 2	Reach 2	1470	PF 1	521.47	71.40	76.12	76.71	0.008865	3.42	152.62	257.50	0.61
River 2	Reach 2	1436	PF 1	521.47	71.29	75.67	76.37	0.010950	3.70	140.89	206.80	0.67
River 2	Reach 2	1372	PF 1	521.47	70.89	75.46	75.81	0.004893	2.61	200.04	148.43	0.45
River 2	Reach 2	1325	PF 1	521.47	70.22	74.05	75.26	0.027947	4.89	106.75	44.47	1.01
River 2	Reach 2	1280	PF 1	521.47	68.17	71.34	73.47	0.053828	6.46	80.69	35.76	1.37
River 2	Reach 2	1250	PF 1	521.47	67.46	72.08	72.86	0.012356	3.92	133.12	40.64	0.69
River 2	Reach 2	1224	PF 1	521.47	67.22	71.88	72.52	0.011406	3.53	147.99	53.21	0.66
River 2	Reach 2	1193	PF 1	521.47	66.90	71.65	72.18	0.008661	3.21	162.26	141.12	0.58
River 2	Reach 2	1155	PF 1	521.47	66.68	71.39	71.87	0.007027	3.06	170.63	179.90	0.53
River 2	Reach 2	1120	PF 1	521.47	66.19	71.32	71.70	0.002528	2.75	189.81	229.70	0.48
River 2	Reach 2	1092	PF 1	521.47	66.10	71.11	71.58	0.007093	3.02	172.44	200.29	0.54
River 2	Reach 2	1058	PF 1	521.47	65.80	70.51	71.22	0.014820	3.73	139.78	161.72	0.74
River 2	Reach 2	1028	PF 1	521.47	65.39	69.91	70.75	0.015557	4.06	128.48	159.67	0.77
River 2	Reach 2	994	PF 1	521.47	64.87	69.44	70.23	0.013607	3.95	131.89	118.46	0.73
River 2	Reach 2	961	PF 1	521.47	64.38	69.08	69.82	0.010470	3.79	137.46	123.48	0.64
River 2	Reach 2	930	PF 1	521.47	63.71	68.94	69.49	0.007545	3.28	158.92	129.15	0.55
River 2	Reach 2	899	PF 1	521.47	63.40	68.73	69.23	0.007891	3.14	166.30	201.63	0.56
River 2	Reach 2	868	PF 1	521.47	63.13	68.46	68.98	0.008394	3.21	166.01	170.99	0.58
River 2	Reach 2	834	PF 1	521.47	62.86	68.25	68.70	0.006375	2.99	178.34	189.00	0.51
River 2	Reach 2	797	PF 1	521.47	62.52	67.76	68.38	0.010964	3.52	152.76	221.76	0.65

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 2	Reach 2	763	PF 1	521.47	62.11	67.43	68.03	0.009365	3.43	151.93	148.16	0.61
River 2	Reach 2	736	PF 1	521.47	61.86	67.22	67.78	0.007923	3.31	157.76	152.84	0.57
River 2	Reach 2	704	PF 1	521.47	61.88	66.93	67.52	0.008417	3.39	154.32	90.11	0.58
River 2	Reach 2	673	PF 1	521.47	61.36	66.75	67.26	0.007252	3.22	171.96	67.23	0.54
River 2	Reach 2	644	PF 1	521.47	61.00	66.18	66.96	0.012611	3.89	134.12	89.94	0.70
River 2	Reach 2	618	PF 1	521.47	60.46	65.92	66.65	0.010178	3.77	138.54	155.41	0.64
River 2	Reach 2	602	PF 1	521.47	61.28	65.22	66.37	0.022473	4.75	109.78	102.40	0.92
River 2	Reach 2	585	PF 1	521.47	60.04	65.15	65.96	0.015148	4.02	131.27	90.61	0.76
River 2	Reach 2	572	PF 1	521.47	59.98	64.92	65.77	0.015712	4.08	127.90	78.70	0.77
River 2	Reach 2	557	PF 1	521.47	59.88	64.70	65.51	0.016129	4.02	131.52	78.17	0.78
River 2	Reach 2	519	PF 1	521.47	59.17	64.13	64.91	0.015161	3.96	140.95	71.77	0.75
River 2	Reach 2	477	PF 1	521.47	58.67	62.86	64.03	0.027175	4.80	108.74	82.57	0.99
River 2	Reach 2	439	PF 1	521.47	58.09	62.57	63.20	0.012344	3.52	148.02	120.12	0.69
River 2	Reach 2	417	PF 1	521.47	58.22	62.47	62.92	0.008508	2.98	175.15	126.16	0.57
River 2	Reach 2	384	PF 1	521.47	58.03	62.20	62.65	0.008122	2.95	176.85	149.55	0.56
River 2	Reach 2	358	PF 1	521.47	57.77	61.87	62.40	0.010694	3.20	162.73	69.31	0.64
River 2	Reach 2	327	PF 1	521.47	57.72	61.46	62.03	0.012522	3.36	155.27	67.64	0.68
River 2	Reach 2	299	PF 1	521.47	57.56	60.92	61.62	0.017223	3.71	140.41	62.94	0.79
River 2	Reach 2	269	PF 1	521.47	56.62	60.43	61.11	0.016330	3.67	142.14	62.00	0.77
River 2	Reach 2	241	PF 1	521.47	56.64	60.10	60.68	0.012602	3.36	155.27	63.65	0.69
River 2	Reach 2	218	PF 1	521.47	56.10	59.67	60.34	0.015513	3.64	143.21	60.51	0.76
River 1	Reach 1	6642	PF 1	506.70	92.94	96.33	97.37	0.012538	4.51	112.32	202.83	1.00
River 1	Reach 1	6604	PF 1	506.70	92.82	96.26	96.92	0.006438	3.60	140.72	246.58	0.74
River 1	Reach 1	6570	PF 1	506.70	92.55	96.33	96.70	0.002746	2.69	190.23	312.38	0.50
River 1	Reach 1	6540	PF 1	506.70	92.34	96.31	96.60	0.001973	2.42	216.45	347.26	0.43
River 1	Reach 1	6505	PF 1	506.70	91.84	96.08	96.50	0.003133	2.89	175.24	371.50	0.53
River 1	Reach 1	6476	PF 1	506.70	91.73	95.53	96.33	0.008284	3.97	128.84	367.56	0.82
River 1	Reach 1	6443	PF 1	506.70	91.60	95.64	96.04	0.003345	2.83	184.38	388.65	0.54
River 1	Reach 1	6394	PF 1	506.70	91.34	95.22	95.81	0.005863	3.41	148.78	353.32	0.70
River 1	Reach 1	6364	PF 1	506.70	91.04	95.09	95.63	0.005228	3.25	156.30	359.91	0.66
River 1	Reach 1	6330	PF 1	506.70	90.87	94.73	95.40	0.007616	3.64	139.16	346.52	0.79
River 1	Reach 1	6292	PF 1	506.70	90.32	94.76	95.14	0.003057	2.76	183.89	342.88	0.52
River 1	Reach 1	6243	PF 1	506.70	90.11	94.68	94.99	0.002388	2.45	206.96	331.62	0.46
River 1	Reach 1	6193	PF 1	506.70	89.71	94.54	94.87	0.002348	2.53	200.63	309.67	0.46
River 1	Reach 1	6142	PF 1	506.70	89.31	93.75	94.61	0.008069	4.11	123.35	275.49	0.82
River 1	Reach 1	6109	PF 1	506.70	89.27	93.60	94.33	0.006483	3.78	134.06	250.82	0.75
River 1	Reach 1	6084	PF 1	506.70	89.22	93.66	94.14	0.003380	3.08	164.36	224.13	0.55
River 1	Reach 1	6057	PF 1	506.70	88.97	93.35	94.01	0.005232	3.62	140.03	185.00	0.68
River 1	Reach 1	6009	PF 1	506.70	88.87	92.42	93.60	0.012138	4.81	105.27	146.59	1.00
River 1	Reach 1	5977	PF 1	506.70	88.49	91.32	93.03	0.022701	5.80	87.45	98.62	1.33
River 1	Reach 1	5940	PF 1	506.70	88.25	91.76	92.55	0.007106	3.94	128.62	124.12	0.78
River 1	Reach 1	5904	PF 1	506.70	87.88	91.85	92.22	0.004411	2.87	214.65	129.26	0.60
River 1	Reach 1	5869	PF 1	506.70	87.88	91.70	92.08	0.003696	2.82	199.62	98.48	0.56
River 1	Reach 1	5834	PF 1	506.70	87.49	91.51	91.94	0.004205	2.97	183.58	80.00	0.60
River 1	Reach 1	5800	PF 1	506.70	87.21	91.46	91.81	0.002544	2.63	195.05	66.37	0.48
River 1	Reach 1	5763	PF 1	506.70	86.99	91.29	91.70	0.003167	2.84	180.00	65.88	0.53
River 1	Reach 1	5724	PF 1	506.70	86.83	90.91	91.53	0.004956	3.49	145.35	50.53	0.66
River 1	Reach 1	5692	PF 1	506.70	86.49	90.79	91.36	0.004526	3.33	152.00	102.24	0.63

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	5654	PF 1	506.70	86.45	90.46	91.14	0.006322	3.67	138.00	96.50	0.73
River 1	Reach 1	5618	PF 1	506.70	86.05	90.05	90.87	0.008292	4.02	125.94	82.57	0.83
River 1	Reach 1	5581	PF 1	506.70	85.82	89.62	90.53	0.009677	4.23	119.96	115.91	0.89
River 1	Reach 1	5546	PF 1	506.70	85.63	89.41	90.18	0.007938	3.88	130.77	143.40	0.81
River 1	Reach 1	5519	PF 1	506.70	85.36	89.41	89.93	0.005467	3.27	187.66	151.41	0.67
River 1	Reach 1	5484	PF 1	506.70	85.28	88.62	89.60	0.012880	4.38	115.63	73.40	1.00
River 1	Reach 1	5449	PF 1	506.70	85.05	88.10	89.13	0.014007	4.49	112.93	66.09	1.03
River 1	Reach 1	5415	PF 1	506.70	83.54	86.26	88.35	0.030634	6.40	79.22	43.84	1.52
River 1	Reach 1	5384	PF 1	506.70	83.14	87.14	87.88	0.008498	3.79	133.58	62.64	0.82
River 1	Reach 1	5351	PF 1	506.70	82.86	87.01	87.60	0.006018	3.40	148.91	62.69	0.70
River 1	Reach 1	5317	PF 1	506.70	82.45	86.97	87.38	0.003934	2.85	178.33	73.93	0.57
River 1	Reach 1	5289	PF 1	506.70	82.35	86.90	87.26	0.003396	2.66	190.93	98.20	0.53
River 1	Reach 1	5261	PF 1	506.70	82.15	86.70	87.15	0.004283	2.97	171.16	71.69	0.60
River 1	Reach 1	5231	PF 1	506.70	82.12	85.79	86.87	0.012753	4.62	109.78	51.04	1.00
River 1	Reach 1	5201	PF 1	506.70	81.72	85.60	86.41	0.008513	3.97	127.64	55.39	0.84
River 1	Reach 1	5172	PF 1	506.70	81.72	85.51	86.15	0.005982	3.56	142.37	55.45	0.71
River 1	Reach 1	5136	PF 1	506.70	81.19	84.87	85.83	0.010938	4.35	116.58	53.13	0.94
River 1	Reach 1	5071	PF 1	506.70	80.73	84.13	85.03	0.013357	4.20	120.63	67.93	1.01
River 1	Reach 1	5025	PF 1	506.70	80.36	83.76	84.42	0.008323	3.59	141.14	70.57	0.81
River 1	Reach 1	4994	PF 1	506.70	80.03	83.56	84.15	0.007494	3.42	148.29	73.79	0.77
River 1	Reach 1	4962	PF 1	506.70	79.55	83.49	83.91	0.004710	2.89	175.41	79.57	0.62
River 1	Reach 1	4940	PF 1	506.70	79.84	83.23	83.78	0.007159	3.27	154.99	79.92	0.75
River 1	Reach 1	4923	PF 1	506.70	79.61	83.04	83.64	0.008224	3.41	148.61	81.00	0.80
River 1	Reach 1	4902	PF 1	506.70	79.34	83.06	83.45	0.004461	2.79	181.86	83.48	0.60
River 1	Reach 1	4881	PF 1	506.70	79.33	82.92	83.35	0.005108	2.91	174.30	83.11	0.64
River 1	Reach 1	4864	PF 1	506.70	78.99	82.81	83.26	0.005642	2.96	172.88	91.22	0.67
River 1	Reach 1	4827	PF 1	506.70	78.72	82.72	83.08	0.003214	2.70	198.25	86.35	0.53
River 1	Reach 1	4784	PF 1	506.70	78.36	82.48	82.92	0.003737	2.96	171.26	129.72	0.57
River 1	Reach 1	4748	PF 1	506.70	78.43	81.74	82.66	0.010768	4.25	119.19	131.01	0.92
River 1	Reach 1	4719	PF 1	506.70	77.68	81.60	82.35	0.007688	3.82	132.66	109.23	0.80
River 1	Reach 1	4691	PF 1	506.70	77.73	81.42	82.13	0.007161	3.72	137.96	68.53	0.77
River 1	Reach 1	4657	PF 1	506.70	77.79	80.86	81.79	0.012492	4.28	118.40	61.69	0.99
River 1	Reach 1	4621	PF 1	506.70	77.47	80.72	81.36	0.007655	3.53	144.79	78.48	0.78
River 1	Reach 1	4585	PF 1	506.70	77.22	80.55	81.09	0.006043	3.26	159.55	84.47	0.70
River 1	Reach 1	4547	PF 1	506.70	76.95	80.35	80.86	0.005573	3.18	159.32	71.42	0.68
River 1	Reach 1	4511	PF 1	506.70	76.71	79.92	80.61	0.007600	3.68	137.66	61.42	0.79
River 1	Reach 1	4478	PF 1	506.70	76.68	79.32	80.26	0.013014	4.28	118.31	159.03	1.00
River 1	Reach 1	4446	PF 1	506.70	76.48	79.32	79.84	0.006781	3.20	158.15	170.73	0.73
River 1	Reach 1	4413	PF 1	506.70	76.22	78.80	79.54	0.010462	3.82	132.68	122.34	0.90
River 1	Reach 1	4388	PF 1	506.70	75.87	78.66	79.28	0.007668	3.49	145.34	110.79	0.78
River 1	Reach 1	4356	PF 1	506.70	75.75	78.34	79.01	0.009063	3.64	139.12	127.45	0.84
River 1	Reach 1	4324	PF 1	506.70	75.55	78.01	78.71	0.009432	3.71	136.42	157.00	0.85
River 1	Reach 1	4292	PF 1	506.70	75.14	77.91	78.42	0.005838	3.17	159.69	274.27	0.69
River 1	Reach 1	4263	PF 1	506.70	74.92	77.40	78.16	0.011262	3.86	131.19	335.13	0.93
River 1	Reach 1	4231	PF 1	506.70	74.54	77.08	77.78	0.011553	3.72	136.31	307.73	0.93
River 1	Reach 1	4196	PF 1	506.70	74.47	76.62	77.33	0.013977	3.74	135.42	366.06	1.00
River 1	Reach 1	4166	PF 1	506.70	73.30	75.64	76.71	0.030384	4.58	110.59	129.23	1.40
River 1	Reach 1	4122	PF 1	506.70	71.23	73.26	74.91	0.052846	5.69	89.04	90.02	1.83

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1	4084	PF 1	506.70	70.59	73.81	74.23	0.006450	2.88	175.86	101.60	0.70
River 1	Reach 1	4014	PF 1	506.70	70.16	73.40	73.79	0.006094	2.75	185.10	111.94	0.68
River 1	Reach 1	3961	PF 1	506.70	69.94	72.86	73.38	0.008974	3.19	159.08	102.59	0.81
River 1	Reach 1	3936	PF 1	506.70	69.64	72.74	73.17	0.006459	2.91	174.86	101.46	0.70
River 1	Reach 1	3908	PF 1	506.70	69.36	72.39	72.94	0.009571	3.27	155.60	101.31	0.84
River 1	Reach 1	3881	PF 1	506.70	69.40	72.18	72.68	0.008557	3.15	161.33	102.02	0.80
River 1	Reach 1	3864	PF 1	506.70	69.26	72.13	72.54	0.006015	2.84	179.38	102.42	0.68
River 1	Reach 1	3847	PF 1	506.70	69.05	72.03	72.43	0.005777	2.79	182.40	103.45	0.67
River 1	Reach 1	3817	PF 1	506.70	69.02	71.76	72.23	0.007589	3.02	168.35	104.34	0.75
River 1	Reach 1	3786	PF 1	506.70	68.79	71.46	71.96	0.009083	3.15	160.62	104.98	0.81
River 1	Reach 1	3750	PF 1	506.70	68.42	71.22	71.65	0.007111	2.93	173.07	105.02	0.73
River 1	Reach 1	3717	PF 1	506.70	68.16	70.87	71.38	0.009142	3.16	160.39	104.94	0.82
River 1	Reach 1	3678	PF 1	506.70	67.90	70.66	71.06	0.006237	2.81	180.58	105.96	0.69
River 1	Reach 1	3644	PF 1	506.70	67.44	70.41	70.83	0.006842	2.89	175.61	110.64	0.72
River 1	Reach 1	3612	PF 1	506.70	67.32	69.94	70.53	0.011729	3.40	149.03	105.29	0.91
River 1	Reach 1	3576	PF 1	506.70	67.05	69.70	70.15	0.007651	2.99	169.74	120.51	0.75
River 1	Reach 1	3538	PF 1	506.70	66.85	69.43	69.87	0.007147	2.92	173.68	106.50	0.73
River 1	Reach 1	3508	PF 1	506.70	66.60	69.28	69.66	0.005824	2.74	184.72	106.54	0.67
River 1	Reach 1	3475	PF 1	506.70	66.62	68.68	69.35	0.014399	3.60	140.59	106.24	1.00
River 1	Reach 1	3432	PF 1	506.70	64.79	67.31	68.44	0.029338	4.71	107.52	92.59	1.40
River 1	Reach 1	3393	PF 1	506.70	64.53	67.55	68.02	0.008066	3.05	166.37	104.69	0.77
River 1	Reach 1	3351	PF 1	506.70	64.09	67.24	67.69	0.007338	2.97	170.76	104.08	0.74
River 1	Reach 1	3303	PF 1	506.70	63.77	67.01	67.37	0.005164	2.67	189.57	104.21	0.63
River 1	Reach 1	3262	PF 1	506.70	63.73	66.87	67.17	0.003891	2.44	207.85	105.72	0.56
River 1	Reach 1	3226	PF 1	506.70	63.71	66.43	66.94	0.009345	3.18	159.42	105.14	0.82
River 1	Reach 1	3193	PF 1	506.70	63.58	66.21	66.65	0.007252	2.95	171.69	104.53	0.74
River 1	Reach 1	3163	PF 1	506.70	63.10	65.87	66.39	0.009643	3.21	157.75	104.68	0.84
River 1	Reach 1	3125	PF 1	506.70	62.77	65.56	66.04	0.008199	3.06	165.64	104.75	0.78
River 1	Reach 1	3090	PF 1	506.70	62.49	65.36	65.76	0.006359	2.82	179.46	105.66	0.69
River 1	Reach 1	3052	PF 1	506.70	62.33	64.97	65.47	0.009034	3.15	161.09	105.09	0.81
River 1	Reach 1	3018	PF 1	506.70	61.98	64.59	65.13	0.010450	3.28	154.61	105.68	0.87
River 1	Reach 1	2981	PF 1	506.70	61.71	64.24	64.76	0.009428	3.19	158.94	105.13	0.83
River 1	Reach 1	2945	PF 1	506.70	61.21	63.97	64.43	0.007794	3.01	168.38	105.23	0.76
River 1	Reach 1	2916	PF 1	506.70	60.93	63.71	64.20	0.008474	3.08	164.40	105.56	0.79
River 1	Reach 1	2879	PF 1	506.70	60.40	63.31	63.85	0.009971	3.25	156.03	104.70	0.85
River 1	Reach 1	2831	PF 1	506.70	60.03	62.94	63.40	0.007919	3.02	167.94	110.10	0.76
River 1	Reach 1	2795	PF 1	506.70	59.75	62.68	63.12	0.007227	2.92	173.46	111.76	0.73
River 1	Reach 1	2764	PF 1	506.70	59.61	62.36	62.86	0.009075	3.12	162.35	107.61	0.81
River 1	Reach 1	2722	PF 1	506.70	59.52	61.97	62.47	0.009260	3.13	161.95	108.77	0.82
River 1	Reach 1	2685	PF 1	506.70	59.13	61.68	62.14	0.008121	3.00	169.01	109.63	0.77
River 1	Reach 1	2658	PF 1	506.70	58.62	61.40	61.90	0.009454	3.13	161.87	110.06	0.82
River 1	Reach 1	2626	PF 1	506.70	58.48	61.24	61.63	0.006119	2.76	184.88	111.58	0.68
River 1	Reach 1	2600	PF 1	506.70	58.25	60.98	61.44	0.007889	3.01	169.31	109.99	0.76
River 1	Reach 1	2556	PF 1	506.70	57.92	60.65	61.10	0.007524	2.97	173.97	111.14	0.75
River 1	Reach 1	2535	PF 1	506.70	57.89	60.37	60.90	0.010041	3.25	159.12	110.67	0.85
River 1	Reach 1	2509	PF 1	506.70	57.72	60.17	60.65	0.008471	3.08	167.76	111.03	0.79
River 1	Reach 1	2480	PF 1	506.70	57.41	59.89	60.40	0.009226	3.16	163.16	111.21	0.82
River 1	Reach 1	2448	PF 1	506.70	57.31	59.66	60.11	0.007917	2.99	171.73	111.86	0.76

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1-Lower	2178	PF 1	911.20	53.82	57.54	57.92	0.008094	2.75	331.66	144.53	0.55
River 1	Reach 1-Lower	2151	PF 1	911.20	53.55	57.28	57.70	0.008934	2.85	319.39	130.15	0.58
River 1	Reach 1-Lower	2120	PF 1	911.20	53.16	57.00	57.42	0.009023	2.87	317.56	129.07	0.58
River 1	Reach 1-Lower	2085	PF 1	911.20	52.75	56.71	57.11	0.008326	2.81	324.70	128.34	0.56
River 1	Reach 1-Lower	2055	PF 1	911.20	52.46	56.46	56.86	0.008519	2.82	323.09	128.55	0.57
River 1	Reach 1-Lower	2025	PF 1	911.20	52.25	56.22	56.61	0.008024	2.77	329.02	173.58	0.55
River 1	Reach 1-Lower	1995	PF 1	911.20	52.23	55.98	56.37	0.008096	2.78	327.89	212.20	0.56
River 1	Reach 1-Lower	1964	PF 1	911.20	52.08	55.73	56.12	0.007956	2.77	328.85	202.38	0.55
River 1	Reach 1-Lower	1930	PF 1	911.20	51.87	55.40	55.83	0.009217	2.88	315.91	237.66	0.59
River 1	Reach 1-Lower	1894	PF 1	911.20	51.53	55.07	55.49	0.009132	2.89	315.62	270.30	0.59
River 1	Reach 1-Lower	1863	PF 1	911.20	51.39	54.80	55.21	0.008994	2.86	319.16	214.83	0.58
River 1	Reach 1-Lower	1832	PF 1	911.20	51.46	54.46	54.91	0.010300	2.97	306.45	147.49	0.62
River 1	Reach 1-Lower	1804	PF 1	911.20	51.33	53.82	54.50	0.019780	3.64	250.43	230.28	0.83
River 1	Reach 1-Lower	1765	PF 1	911.20	49.51	53.59	53.96	0.007295	2.69	339.36	344.64	0.53
River 1	Reach 1-Lower	1729	PF 1	911.20	49.21	53.37	53.70	0.006237	2.56	356.18	130.40	0.49
River 1	Reach 1-Lower	1692	PF 1	911.20	48.94	53.14	53.47	0.006282	2.56	356.48	131.14	0.50
River 1	Reach 1-Lower	1654	PF 1	911.20	48.60	52.86	53.21	0.006911	2.63	346.35	130.69	0.52
River 1	Reach 1-Lower	1616	PF 1	911.20	48.36	52.54	52.93	0.008075	2.76	330.54	130.97	0.55
River 1	Reach 1-Lower	1584	PF 1	911.20	48.49	52.27	52.67	0.008545	2.80	325.82	132.01	0.57
River 1	Reach 1-Lower	1547	PF 1	911.20	48.34	51.99	52.36	0.007705	2.72	335.29	131.20	0.54
River 1	Reach 1-Lower	1513	PF 1	911.20	47.97	51.74	52.11	0.007373	2.68	340.47	131.91	0.53
River 1	Reach 1-Lower	1471	PF 1	911.20	47.52	51.48	51.81	0.006367	2.55	357.15	132.84	0.50
River 1	Reach 1-Lower	1447	PF 1	911.20	47.50	51.31	51.65	0.006370	2.58	352.84	189.16	0.50
River 1	Reach 1-Lower	1407	PF 1	911.20	47.08	51.01	51.37	0.007478	2.68	340.61	771.31	0.54
River 1	Reach 1-Lower	1371	PF 1	911.20	46.98	50.74	51.11	0.007349	2.69	338.44	761.37	0.53
River 1	Reach 1-Lower	1334	PF 1	911.20	46.92	50.49	50.84	0.006850	2.63	347.07	805.05	0.52
River 1	Reach 1-Lower	1290	PF 1	911.20	46.72	50.19	50.54	0.006919	2.63	346.53	793.19	0.52
River 1	Reach 1-Lower	1255	PF 1	911.20	46.37	49.93	50.29	0.007304	2.67	340.97	815.89	0.53
River 1	Reach 1-Lower	1224	PF 1	911.20	46.39	49.62	50.04	0.008964	2.85	319.52	782.12	0.58
River 1	Reach 1-Lower	1196	PF 1	911.20	46.20	49.23	49.73	0.012326	3.14	290.16	693.62	0.67
River 1	Reach 1-Lower	1158	PF 1	911.20	45.80	48.78	49.28	0.011836	3.11	293.12	511.02	0.66
River 1	Reach 1-Lower	1116	PF 1	911.20	44.68	48.51	48.86	0.007036	2.62	347.60	616.69	0.52
River 1	Reach 1-Lower	1080	PF 1	911.20	44.39	48.23	48.59	0.007347	2.68	339.83	579.48	0.53
River 1	Reach 1-Lower	1039	PF 1	911.20	44.43	47.85	48.26	0.008921	2.86	318.97	656.39	0.58
River 1	Reach 1-Lower	986	PF 1	911.20	44.08	47.44	47.82	0.007560	2.71	336.28	687.88	0.54
River 1	Reach 1-Lower	953	PF 1	911.20	44.00	47.20	47.57	0.007328	2.69	339.16	723.09	0.53
River 1	Reach 1-Lower	912	PF 1	911.20	43.55	46.94	47.28	0.006635	2.59	351.14	747.88	0.51
River 1	Reach 1-Lower	879	PF 1	911.20	43.15	46.74	47.06	0.005986	2.52	361.14	864.80	0.48
River 1	Reach 1-Lower	827	PF 1	911.20	42.72	46.45	46.76	0.005571	2.47	368.66	670.50	0.47
River 1	Reach 1-Lower	782	PF 1	911.20	42.43	46.20	46.51	0.005466	2.46	370.59	601.81	0.47
River 1	Reach 1-Lower	745	PF 1	911.20	42.16	46.01	46.31	0.005218	2.46	372.23	671.09	0.46
River 1	Reach 1-Lower	713	PF 1	911.20	42.01	45.84	46.15	0.005008	2.44	376.03	531.82	0.45
River 1	Reach 1-Lower	673	PF 1	911.20	41.65	45.62	45.94	0.005272	2.50	367.20	574.34	0.46
River 1	Reach 1-Lower	636	PF 1	911.20	41.30	45.44	45.74	0.004890	2.44	374.20	634.95	0.45
River 1	Reach 1-Lower	602	PF 1	911.20	41.14	45.27	45.57	0.005020	2.45	372.08	587.54	0.45
River 1	Reach 1-Lower	570	PF 1	911.20	41.04	45.12	45.42	0.004669	2.43	375.70	569.00	0.44
River 1	Reach 1-Lower	539	PF 1	911.20	40.88	44.97	45.27	0.004749	2.43	375.16	645.30	0.44
River 1	Reach 1-Lower	511	PF 1	911.20	40.67	44.84	45.14	0.004696	2.43	374.71	816.44	0.44

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
River 1	Reach 1-Lower	481	PF 1	911.20	40.42	44.65	44.99	0.005349	2.57	354.85	884.52	0.47
River 1	Reach 1-Lower	433	PF 1	911.20	40.43	44.26	44.69	0.006913	2.88	315.86	668.07	0.53
River 1	Reach 1-Lower	382	PF 1	911.20	39.67	43.97	44.35	0.005829	2.74	332.48	557.52	0.49
River 1	Reach 1-Lower	345	PF 1	911.20	39.57	43.83	44.14	0.004611	2.49	367.88	588.67	0.44
River 1	Reach 1-Lower	306	PF 1	911.20	39.25	43.54	43.94	0.005588	2.78	328.89	641.69	0.48
River 1	Reach 1-Lower	269	PF 1	911.20	38.80	43.29	43.72	0.006101	2.89	316.48	646.14	0.50
River 1	Reach 1-Lower	240	PF 1	911.20	38.55	43.13	43.55	0.005669	2.85	321.44	558.20	0.49
River 1	Reach 1-Lower	210	PF 1	911.20	38.25	42.95	43.37	0.005702	2.88	318.02	571.12	0.49
River 1	Reach 1-Lower	187	PF 1	911.20	38.18	42.80	43.23	0.006053	2.93	313.91	547.24	0.50
River 1	Reach 1-Lower	144	PF 1	911.20	37.79	42.55	42.98	0.005964	2.91	316.18	434.57	0.50
River 1	Reach 1-Lower	119	PF 1	911.20	37.58	42.28	42.79	0.008157	3.20	287.42	537.02	0.57
River 1	Reach 1-Lower	88	PF 1	911.20	37.23	42.10	42.55	0.006578	2.97	309.78	519.93	0.52
River 1	Reach 1-Lower	47	PF 1	911.20	37.00	41.81	42.27	0.007005	3.03	303.90	522.18	0.54

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CAMPANYA DE GEOLOGIA I GEOTÈCNIA

PROJECTE INFORMATIU	***"Projecte de renovació de la derivació comarcal del Vallès Occidental (Barberà – Ripollet) i de les derivacions municipals a Ripollet i Barberà", amb clau: EC24/000018.***
Situació	RIPOLLET – BARBERÀ DEL VALLÈS – MONTCADA I REIXAC
Referència GEOMAR	1211-24
Client	AYESA ENGINYERIA I SERVEIS, S.A.
Data	27 de març de 2025

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ÍNDEX

1. INTRODUCCIÓ

2. CAMPANYA DE RECONEIXEMENT
    a. Treballs de camp
    b. Assaigs de laboratori
    c. Control del nivell freàtic

ANNEXES

1. Plànols de situació
2. Reportatge fotogràfic
3. Actes de sondeig, cales i assaigs Lefranc
4. Informe de laboratori (GEOMAR)
5. Informe campanya Georadar (GS Enginyeria)

C. Tarragona 110, local 22
08015 Barcelona
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estudis@geomar.cat
www.geomar.cat

1.- INTRODUCCIÓ

AYESA INGENIERÍA Y ARQUITECTURA, S.A. ha sol·licitat a GEOMAR Enginyeria del Terreny, SLP l'execució d'una campanya geotècnica per a la redacció del *"Projecte de renovació de la derivació comarcal del Vallès Occidental (Barberà – Ripollet) i de les derivacions municipals a Ripollet i Barberà"*, amb codi: EC24/000018.

La campanya geotècnica que s'ha dut a terme té per finalitat investigar les característiques geotècniques del terreny. Els objectius concrets del present informe són descriure els treballs de camp que s'han realitzat i els resultats obtinguts, que posteriorment serviran per a la redacció de l'annex de geologia i geotècnia del projecte constructiu i la caracterització de l'estructura geològica-geotècnica del terreny.

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2.- CAMPANYA DE RECONEIXEMENT

2.a. Treballs de Camp:

La campanya geotècnica consta principalment d'una sèrie de treballs de prospecció i assaigs de camp dimensionats d'acord als requeriments específics del client. Aquests treballs han estat realitzats durant la segona quinzena del mes febrer del 2025. Les actes de resultats i els registres dels diferents assaigs realitzats s'adjunten en els annexes d'aquesta memòria. A continuació es detallen els diferents tipus d'assaigs efectuats:

Sondeigs a rotació

S'han realitzat dos sondeigs a rotació amb extracció de testimoni continu. Durant la realització d'aquestes perforacions s'han efectuat assaigs estàndard de penetració (SPT), i també s'han extret mostres inalterades i representatives del terreny per a ser assajades al laboratori. A la taula següent s'indica l'emplaçament dels dos sondeigs:

Assaigs	Cota topogràfica (m)	Profunditat assolida (m)	Coordenades del punt (ETRS89 UTM 31N)				Piezòmetre instal·lat (m)
S-01	+56	8,4	E	429559	N	4593615	6,0
S-02	+91	8,1	E	428159	N	4596740	7,0

Assaigs de permeabilitat Lefranc

Aprofitant la perforació dels dos sondeigs, s'han efectuat un total de dos assaigs in situ de tipus Lefranc per a la determinació de la permeabilitat del terreny (un a cada sondeig). La distribució i fondària d'aquests assaigs a cada sondeig s'indica a la següent taula. En els annexes de l'estudi s'inclouen les actes de resultats amb l'estimació de la permeabilitat obtinguda.

Assaigs	Sondeig	Profunditat d'assaig (m)	Permeabilitat (cm/s)
L-1	S-01	3,0-3,15	1,38E-04
L-2	S-02	2,65-3,0	3,81E-06

Cales de reconeixement del terreny

La campanya de camp també ha inclòs la realització de cales mecàniques de reconeixement del terreny mitjançant una retroexcavadora mixta. Durant la seva execució s'han obtingut mostres representatives per a ser assajades al laboratori.

Les cales han estat realitzades en 11 localitzacions diferents, tal com s'indica a la següent taula:

Assaigs	Cota topogràfica (m)	Profunditat assolida (m)	Coordenades del punt (ETRS89 UTM 31N)				
C-01	+53,6	3,5	E	430180	N	4593418	
C-02	+55,1	2,4	E	429513	N	4593617	
C-03	+62,8	2,9	E	429335	N	4593950	
C-04	+70,0	3,1	E	429249	N	4594419	
C-05	+87,0	3,0	E	429071	N	4594929	
C-06	+105,2	2,65	E	428932	N	4595367	
C-07	+106,2	3,0	E	429332	N	4595470	
C-08	+112,0	3,0	E	429809	N	4595431	
C-09	+110,1	3,0	E	428859	N	4595749	
C-10	+85,5	3,0	E	428236	N	4595974	
C-11	+95,5	2,0	E	428121	N	4596699	

Campanya geofísica

Previ a l'inici de les prospeccions s'ha realitzat una campanya geofísica de detecció de serveis soterrats mitjançantla tècnica del georadar, en aquells emplaçaments en que es preveu la seva proximitat. Aquesta campanya geofísica s'ha encarregat a l'empresa GS Ingenyieria. L'informe de resultats s'inclou en els annexes de l'informe.

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2.b. Assaigs de laboratori:

Un cop reconegudes les mostres, i en base a l'estructura del terreny, s'han programat una sèrie d'assaigs en funció dels diferents nivells travessats, objectius de l'estudi i exigències dels materials.

Els assaigs de laboratori es realitzen al Laboratori de Geotècnia i Mecànica de Sòls i Roques de GEOMAR Enginyeria del Terreny, SLP. Aquest laboratori té implantat un sistema de qualitat d'acord a la norma UNE-EN ISO/IEC 17025:2017 i disposa de Declaració Responsable segons el RD 410/2012 com a laboratori d'assaigs de control de la qualitat en construcció en l'àmbit de la Unió Europea, amb número de registre L0600055 presentada el 21 de juliol de 2010 a la Secretaria d'Habitatge del Departament de Medi Ambient i Habitatge de la Generalitat de Catalunya, d'acord amb el Decret 149/2017 del 17 d'octubre i el Reial decret 410/2010 del 31 de març.

Els assaigs realitzats sobre les mostres de sols i roca obtingudes han estat els següents:

• Humitat natural	UNE-EN-ISO 17892-1:2015	2
• Densitat aparent	UNE-EN-ISO 17892-2:2015	2
• Granulometria per tamisat	UNE-EN-ISO 17892-4:2019	13
• Límits d'Atterberg	UNE-EN-ISO 17892-12:2019	13
• Expansivitat Lambe	UNE 103 600 : 1996	1
• Tall Directe CD	UNE 103 401 : 1998	1
• Inflament lliure	UNE 103 601 : 1995	6
• Assaig de col·lapse en sòls	UNE 103 406 : 2006	6
• Próctor normal	UNE 103 500 : 1994	3
• Próctor modificat	UNE 103 501 : 1994	3
• Índex CBR	UNE 103 502 : 1994	5
• Contingut en matèria orgànica	UNE 103 204 : 2019	6
• Contingut en sals solubles	UNE 103 205 : 2019	6
• Contingut quantitatiu en sulfats	UNE 103 201 : 2019	2
• Contingut qualitatiu en sulfats	UNE 103 202 : 2019	1
• Contingut en guixos	UNE 103 206 : 2019	6
• Acidesa de Baumann-Gully	UNE-EN ISO 16502:2015	3
• Agressivitat de l'aigua al formigó	*CÓDIGO ESTRUCTURAL*	2

En els annexos s'inclou una descripció detallada dels assaigs realitzats en el present estudi, així com dels resultats obtinguts.

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3.b. Control del nivell freàtic:

Durant la fase de realització dels treballs de camp s'han instal·lat un seguit de piezòmetres per al control del nivell freàtic en els punts de sondeig S-01 i S-02. Un cop instal·lats, s'ha realitzat un seguiment periòdic del nivell de l'aigua.

A continuació es mostra un quadre resum amb les mesures de nivell freàtic obtingudes en els diferents punts d'assaig, a data d'entrega de la present memòria:

Piezòmetre			S-01	S-02
Data de lectura	26/02/2025	Profunditat (m)	2,5	2,3
		Cota topogràfica (m)	**+53,5**	**+88,7**
	12/03/2025	Profunditat (m)	2,3	2,0
		Cota topogràfica (m)	**+53,7**	**+89,0**
	27/03/2025	Profunditat (m)	2,3	1,8
		Cota topogràfica (m)	**+53,7**	**+89,2**

En cas que un cop iniciat el projecte constructiu, en alguna banda de l'àmbit d'estudi es trobés un terreny diferent al descrit en la present memòria, preguem ens truquin el més aviat possible per tal de comprovar l'estructura del terreny i adoptar les mesures que fossin necessàries.

Quedem a la seva disposició per a qualsevol consulta.

Joan Martinez Bofill
Geòleg col. 4215

Barcelona, 27 de març de 2025

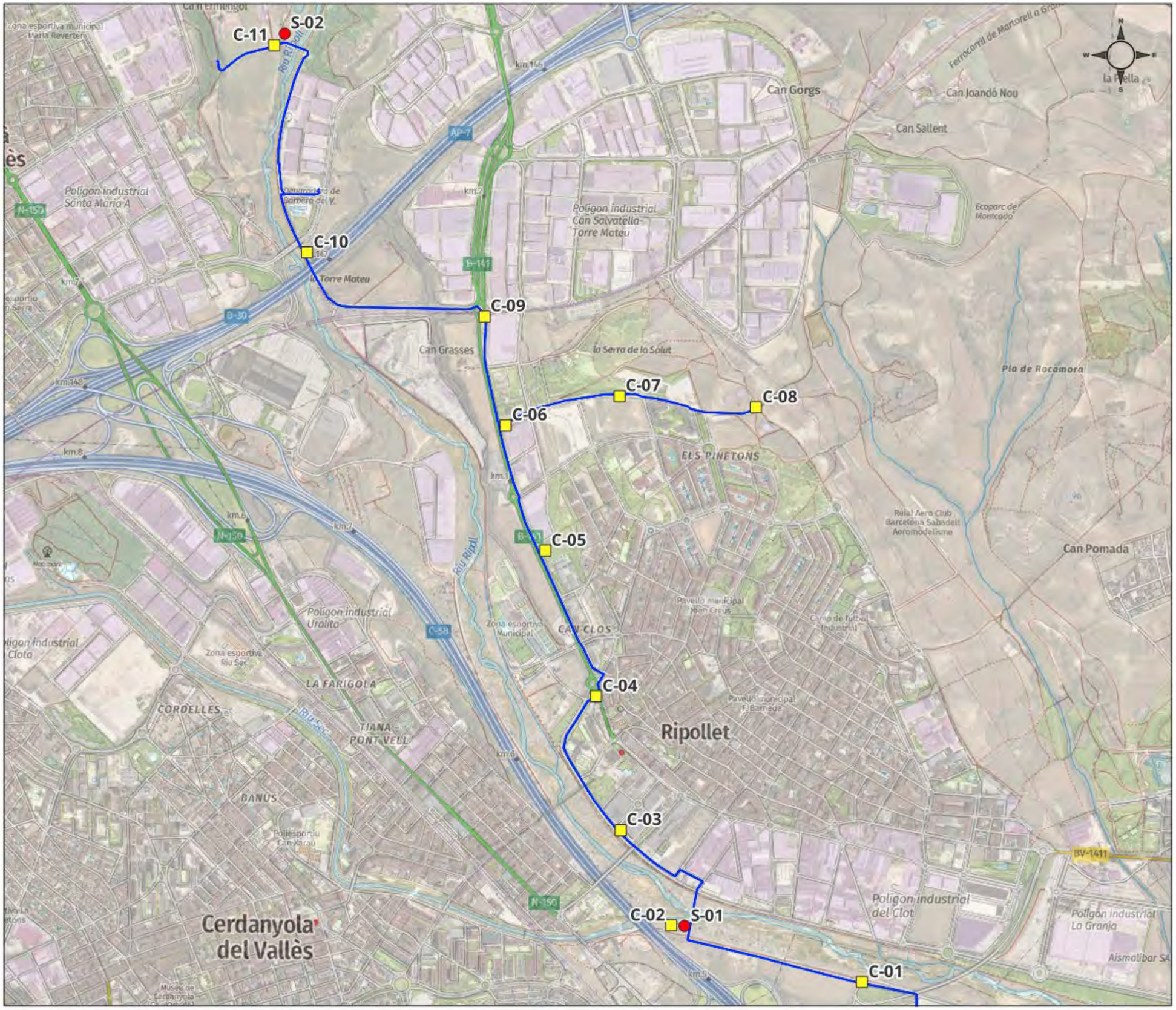
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ANNEX: PLÀNOLS DE SITUACIÓ

Llegenda

CAMPANYA DE RECONEIXEMENT

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació general

Estudi nº: 1211-24

Situació: Montcada i Reixac - Ripollet - Barberà del Vallès

Escala A3 1 : 13000

Data: 28/02/2025

geomar enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-01 / C-02 / S-01

Estudi nº: 1211-24

Situació: Ripollet - Montcada i Reixac

Escala A3 1 : 2500

Data: 28-02-2025

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enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-03 / C-04

Estudi nº: 1211-24

Situació: Ripollet

Escala A3 1 : 2500

Data: 28-02-2025

geomar
enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-05 / C-06 / C-07

Estudi nº: 1211-24

Situació: Ripollet

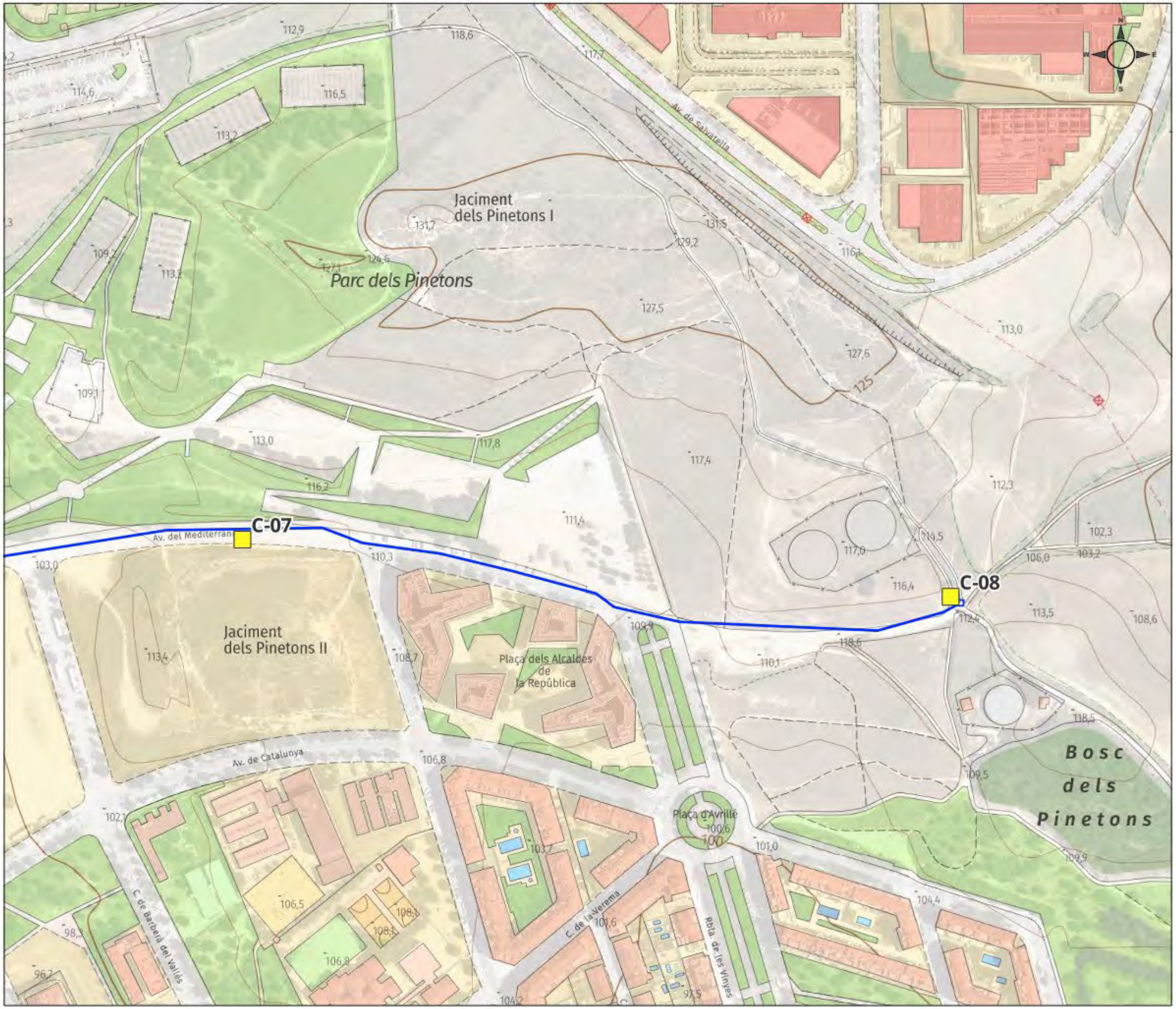
Escala A3 1 : 2500

Data: 28-02-2025

geomar enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-07 / C-08

Estudi nº: 1211-24

Situació: Ripollet

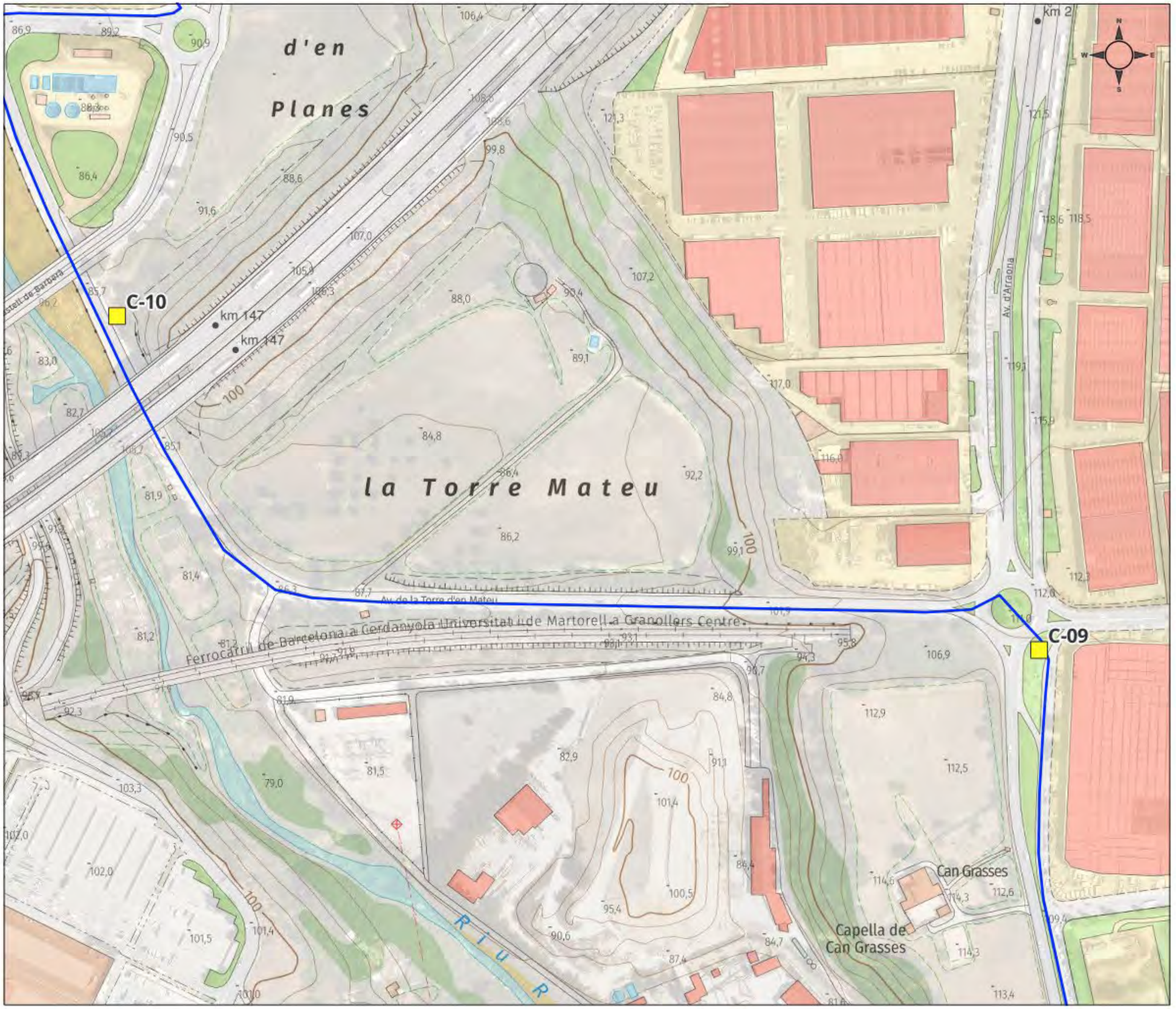
Escala A3 1 : 2500

Data: 28-02-2025

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enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-09 / C-10

Estudi nº: 1211-24

Situació: Ripollet

Escala A3 1 : 2500

Data: 28-02-2025

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enginyeria del terreny

Llegenda

- Sondeig
- Cala
- Projecte Xarxa Alternativa



Planta de situació

C-11 / S-02

Estudi nº: 1211-24

Situació: Barberà del Vallès

Escala A3 1 : 2500

Data: 28-02-2025

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enginyeria del terreny

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ANNEX: REPORTATGE FOTOGRÀFIC

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Situació del sondeig S-01.



Situació del sondeig S-02.



Situació la cala C-01.



Situació la cala C-02.



Situació la cala C-03.



Situació la cala C-04.

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Situació la cala C-05.



Situació la cala C-06.



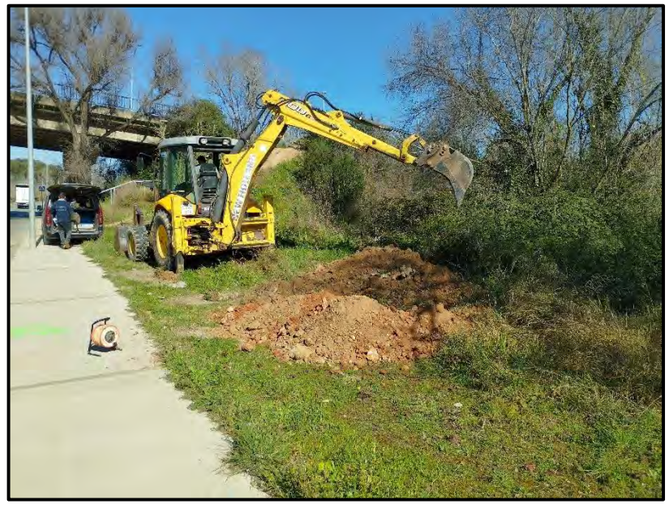
Situació la cala C-07.



Situació la cala C-08.



Situació la cala C-09.



Situació la cala C-10.

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Situació la cala C-11.



Assaig de permeabilitat Lefranc L-02.



Situació del piezòmetre instal·lat al sondeig S-1.



Situació del piezòmetre instal·lat al sondeig S-2.

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ANNEX: ACTES DE SONDEIG, CALES I ASSAIGS LEFRANC

geomar enginyeria del terreny

Estudi nº: 1211-24

Situació: Riu Ripoll

Municipi: Ripollet

Sondeig: S-1

Data: 21/02/2025

Cota topogràfica: 56 m

Escala: 1/100	Perfil Litològic	Nivell freàtic	Mostres	Valor N30 (SPT) N15 (MI)	Descripció del terreny	Capes Geotècniques	Índex RQD	Piezòmetre	Lefranc	Fotografies caixes
1					Rebliment. Nivell superior de 30 cm de sorres i llims marrons amb graves generalment fines. Seguit d'un segon tram d'argiles marró vermellós amb sorres i graves de fins a 3 cm. Humitat mitjana.					
2		2,4	MI	15/12/12						
3			SPT	16	Graves subarrodonides heteromètriques, de fins a 4 cm, (quars i calcària) amb poc contingut en sorres i certa matriu fina. Hi ha alguns blocs de més de 10 cm. Els últims 60 cm presenten coloració fosca i aspecte oliós, amb forta olor d'hidrocarbur. Saturades i de compacitat mitjana.				K:1,4E-04 cm/s	
4										
5					Graves heterogènies subarrodonides de fins a 3 cm de diàmetre, alguna de fins a 5 cm, i sorres heteromètriques principalment de gra groller a mig. S'intercalen petits nivells amb alt contingut en matriu fina. Saturades i de compacitat densa.					
6			SPT	31						
7					Llims argilosos de color marró clar. Saturat.					
8			SPT	R	Graves fines i sorres grolleres amb matriu fina de color marró. Saturades i de compacitat molt densa.					
9										
10										
11										
12										

geomar enginyeria del terreny

Estudi nº: 1211-24

Situació: Encreuament Camí Molí Vermell - Riu Ripoll

Municipi: Barberà del Vallès

Sondeig: S-2

Data: 24/02/2025

Cota topogràfica: 91 m

Escala: 1/100	Perfil Litològic	Nivell freàtic	Mostres	Valor N30 (SPT) N15 (MI)	Descripció del terreny	Capes Geotècniques	Índex RQD	Piezòmetre	Lefranc	Fotografies caixes
1					5 cm de cobertora vegetal seguida de llims sorrencs marró fosc, amb arrels i restes carbonoses. S'observen graves fines subarrodonides disperses de fins a 2 cm. Humitat baixa a mitja.					
2		2,3	MI	14/21/38	Sorres de gra mig a fi, marró clar, amb graves subarrodonides de calcària, de fins a 3 cm, amb alguna passada més llimosa. Humitat alta i compacitat densa.					
3			SPT	31	Graves heteromètriques, de fins a 6 cm, de calcària, quars i pissarra amb matriu sorrenca (sorres heteromètriques subarrodonides) i baix contingut en fins. Puntualment hi ha passades centimètriques més cohesives. Humitat alta-saturada i compacitat densa a mitjana en profunditat.				K:3,8E-06 cm/s	
4										
5			SPT	14						
6					Sorres majoritàriament grolleres amb graves heterogènies subarrodonides de fins a 2 cm, en menor proporció d'entre 3 i 5 cm. Saturat i compacitat densa a molt densa en profunditat.					
7										
8			SPT	62						
9										
10										
11										
12										

GEOMAR ENGINYERIA DEL TERRENY, SLP C. València 1, Subsòl local 12 08015 BARCELONA Tel: 93 226 33 25 Fax: 93 228 26 27

ASSAIG DE PERMEABILITAT LEFRANC (CARREGA VARIABLE)

Referència: 1211-24 Ripollet ATL
Client: GEOMAR, SLP
Situació: Llera Riu Ripoll
Municipi: Ripollet

Sondeig: S-1
Data de l'assaig: 21/2/2025

DADES DEL SONDEIG	
Diàmetre del revestiment (mm): **d_e**	114
Diàmetre interior del sondeig (mm): **d**	101
Profunditat del nivel freàtic (m): **F**	2,40

PROFUNDITAT DEL TRAM ASSAJAT			
Alçada embocadura sondeig (m): **l**			0,55
Superior (m): **L**	3,00	Longitud assajada (m): **h**	0,15
Inferior (m): **P**	3,15		

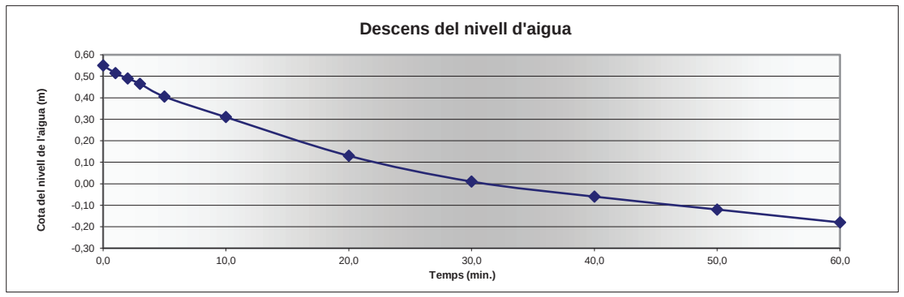
DADES DE L'ASSAIG			
Temps inici (min):	5,0	Temps final (min):	20,0
Intèrval de temps (s): **t**			900
Alçada d'aigua inicial (cm): **Hi**			281
Alçada d'aigua final (cm): **Hf**			253

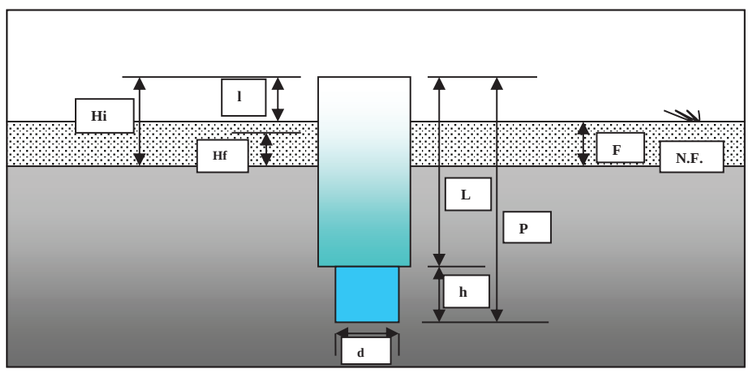
RESULTATS	
PERMEABILITAT LEFRANC K (cm/s)	**1,38E-04**

Temps (min.)	Descens mesurat de l'aigua (cm)	Alçada d'aigua respecte N.F. (cm)	Alçada d'aigua respecte cota (m):
0,0	0	295	0,55
1,0	4	292	0,52
2,0	6	289	0,49
3,0	9	287	0,47
5,0	15	281	0,41
10,0	24	271	0,31
20,0	42	253	0,13
30,0	54	241	0,01
40,0	61	234	-0,06
50,0	67	228	-0,12
60,0	73	222	-0,18

Jiménez Salas (1981).

$$K = \frac{(d)^2 \cdot Ln\left(\frac{2h}{d}\right)}{8 \cdot h \cdot t} \cdot Ln\ \frac{Hi}{Hf}$$





ASSAIG DE PERMEABILITAT LEFRANC (CARREGA VARIABLE)

Referència: 1211-24 Ripollet ATL
Client: GEOMAR, SLP
Situació: Llera Riu Ripoll
Municipi: Ripollet

Sondeig: S-2
Data de l'assaig: 24/2/2024

DADES DEL SONDEIG	
Diàmetre del revestiment (mm): **d_e**	114
Diàmetre interior del sondeig (mm): **d**	101
Profunditat del nivel freàtic (m): **F**	2,30

PROFUNDITAT DEL TRAM ASSAJAT			
Alçada embocadura sondeig (m): **l**			0,35
Superior (m): **L**	2,65	Longitud assajada (m): **h**	0,35
Inferior (m): **P**	3,00		

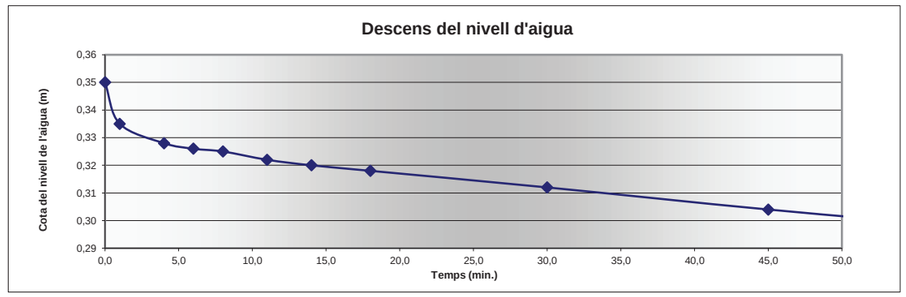
DADES DE L'ASSAIG			
Temps inici (min):	6,0	Temps final (min):	18,0
Intèrval de temps (s): **t**			720
Alçada d'aigua inicial (cm): **Hi**			263
Alçada d'aigua final (cm): **Hf**			262

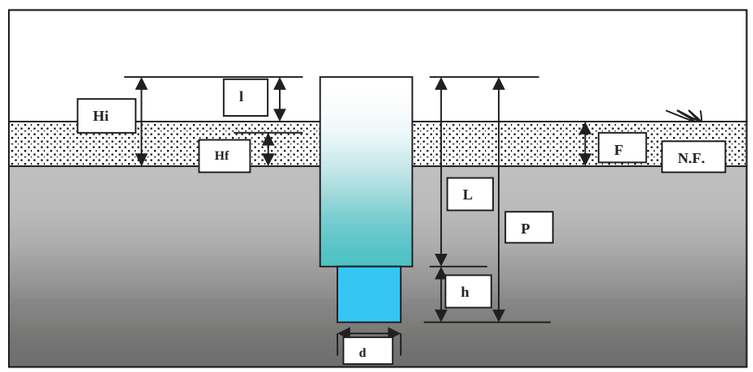
RESULTATS	
PERMEABILITAT LEFRANC K (cm/s)	**3,81E-06**

Temps (min.)	Descens mesurat de l'aigua (cm)	Alçada d'aigua respecte N.F. (cm)	Alçada d'aigua respecte cota (m):
0,0	0,0	265,0	0,35
1,0	1,5	263,5	0,34
4,0	2,2	262,8	0,33
6,0	2,4	262,6	0,33
8,0	2,5	262,5	0,33
11,0	2,8	262,2	0,32
14,0	3,0	262,0	0,32
18,0	3,2	261,8	0,32
30,0	3,8	261,2	0,31
45,0	4,6	260,4	0,30
60,0	5,3	259,7	0,30

Jiménez Salas (1981).

$$K = \frac{(d)^2 \cdot Ln\left(\frac{2h}{d}\right)}{8 \cdot h \cdot t} \cdot Ln\ \frac{Hi}{Hf}$$





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ANNEX: ACTES DE LABORATORI

INFORME D'ASSAIGS DE LABORATORI:

ACTES DE RESULTATS

INFORME LABORATORI: **L-25-1078**

PETICIONARI: GEOMAR, SLP
NIF: B-63300719
ADREÇA: C. València, 1 subsòl local 12 08015 BARCELONA

TREBALL/OBRA: 1211-24
SITUACIÓ: Ripollet ATL
MUNICIPI: RIPOLLET

Els resultats d'aquest informe es refereixen exclusivament a les mostres assajades al nostre laboratori, d'acord amb les condicions de les normes que es citen. La reproducció del document s'autoritza només amb la conformitat del laboratori.

MOSTRES ASSAJADES:

Data recepció : 26/2/2025 Inici Assaigs : 26/2/2025 Final Assaigs : 25/3/2025

ASSAIG		Norma		Identificació de la mostra
Humitat natural		UNE-EN ISO	17892-1:2015	m-1, m-2
Densitat aparent		UNE-EN ISO	17892-2:2015	m-1, m-2
Densitat de les partícules		UNE-EN ISO	17892-3:2018	
Contingut en fins Ø < 0,08 mm		UNE-EN ISO	17892-4:2019	
Granulometria per tamisat		UNE-EN ISO	17892-4:2019	m-1 a m-4, m-7 a m-15
Límits d'Atterberg		UNE-EN ISO	17892-12:2019	m-1 a m-4, m-7 a m-15
Pròctor Normal		UNE	103500:1994	m-9, m-10-m-11
Pròctor Modificat		UNE	103500:1994	m-7, m-13, m-15
Índex CBR		UNE	103501:1994	m-7, m-9, m-10, m-13, m-15
Tall Directe	UU CU CD	UNE	103401:1998	m-1
Consolidació en Edòmetre		UNE	103405:1994	
Expansivitat Assaig Lambe		UNE	103600:1996	m-4
Pressió màxima d'inflament		UNE	103602:1996	
Assaig de col·lapse		NLT 254/99, UNE	103406:2006	m-7, m-9, m-10, m-11, m-13, m-15
Inflament lliure		UNE	103601:1996	m-7, m-9, m-10, m-11, m-13, m-15
Contingut en carbonats		UNE	103200:2021	
Quantitatiu en sulfats solubles		UNE	103201:2019	m-11, m-14
Qualitatiu en sulfats solubles		UNE	103202:2019	m-4
Contingut en matèria orgànica		UNE	103204:2019	m-7, m-9, m-10, m-11, m-13, m-15
Contingut en guixos		NLT 115/99, UNE	103206:2019	m-7, m-9, m-10, m-11, m-13, m-15
Contingut en sals solubles		NLT 114/99, UNE	103205:2019	m-7, m-9, m-10, m-11, m-13, m-15
Agressivitat sòl al formigó	Sulfats	UNE	83963:2008	
	Acidesa B-G	UNE-EN ISO	16502:2015	m-4, m-11, m-14
Agressivitat aigua al formigó		*CODIGO ESTRUCTURAL*		m-5, m-6

Assaigs realitzats: segons fulls adjunts
Observacions: -

Aquest informe consta de 67 pàgines, inclosa la present.

TAULA RESUM DE RESULTATS

Informe laboratori: L-25-1078
Client: GEOMAR, SLP
Treball/obra: 1211-24
Situació: Ripollet ATL
Municipi: RIPOLLET

Número de mostra		m-1	m-2	m-3	m-4	m-5	m-6	m-7	m-8	m-9
Referència client		-	-	-	-	-	-	-	-	-
Sondeig		S-1	S-2	C-4	C-8	S-1	S-2	C-1	C-2	C-3
Tipus de mostra		MI	MI	MR	MR	Aigua	Aigua	MR	MR	MR
Profunditat (m)		1,00	1,00	2,80	1,80	2,50	2,30	0,50	2,00	2,00
Longitud (m)		0,50	0,60	0,20	0,20	-	-	0,50	0,30	0,50
RELACIÓ D'ASSAIGS										
HUMITAT NATURAL (%)		9,92	2,21							
DENSITAT (gr/cm3)	Aparent	2,05	1,76							
	Seca	1,81	1,71							
DENSITAT PART. SÒLIDES (gr/cm³)										
GRANULOMETRIA PER TAMISAT	%Passa #5 UNE	74,9	61,1	99,3	94,9			78,6	54,9	46,2
	%Passa #2 UNE	59,3	40,7	96,6	94,7			73,1	34,6	35,6
	%Passa #0,4 UNE	41,1	15,6	85,8	86,0			59,2	8,6	13,8
	%Passa #0,08 UNE	19,5	5,5	66,8	31,8			37,7	3,6	2,6
LÍMITS D'ATTERBERG	L. Líquid	-	-	30	26			26	-	-
	L. Plàstic	-	-	19	21			19	-	-
	Índex plasticitat	N.P.	N.P.	11	5			7	N.P.	N.P.
CLASSIFICACIÓ U.S.C.S.		SM	SP-SM	CL	SC-SM			SC-SM	SP	GP
TALL DIRECTE	Cohesió (Kg/cm²)	0,17								
	Angle de fregament intern (º)	33,2								
PROCTOR NORMAL	Densitat màxima (g/cm³)									2,07
	Humitat òptima (%)									6,5
PROCTOR MODIFICAT	Densitat màxima (g/cm³)							2,08		
	Humitat òptima (%)							9,5		
ÍNDEX CBR	100% del Proctor							18		13
	98% del Proctor							15		12
LAMBE	Ind. Inf. (MPa)				0,03					
	C. Pot. Volum (%)				0,40					
	Classificació				N.C.					
COLAPSE	Ind de colapse (%)							0,35		0,08
	Pot. por. Colapse (%)							0,35		0,08
COMPRESSIÓ UNIAXIAL EN ROCA	Resistència (MPa)									
	Mòdul de Young (MPa)									
	Coeficient de Poisson									
CÀRREGA PUNTUAL EN ROCA (MPa)										
INFLAMENT LLIURE	Inflament lliure (%)							0,21		no infla
SULFATS	SO_3 (%)				negatiu					
	SO_4 (%)				negatiu					
AGRESSIVITAT DEL SÒL AL FORMIGÓ	SO_4 (mg/kg)				negatiu					
	Acidesa B-G (ml/kg)				10					
	CLASSIFICACIÓ				N.A.					
MATÈRIA ORGÀNICA (%)								2,10		0,70
SALS SOLUBLES (%)								0,43		0,14
GUIXOS (%)								0,01		0,01
CARBONATS (%$CaCO_3$)										
AGRESSIVITAT AIGUA (*Código Estructural*)						N.A.	N.A.			

TAULA RESUM DE RESULTATS

Informe laboratori: L-25-1078
Client: GEOMAR, SLP
Treball/obra: 1211-24
Situació: Ripollet ATL
Municipi: RIPOLLET

Número de mostra		m-10	m-11	m-12	m-13	m-14	m-15			
Referència client		-	-	-	-	-	-			
Sondeig		C-5	C-6	C-7	C-8	C-9	C-11			
Tipus de mostra		MR	MR	MR	MR	MR	MR			
Profunditat (m)		1,00	1,50	1,50	1,00	1,50	0,50			
Longitud (m)		0,50	0,50	0,50	0,50	0,50	0,70			
RELACIÓ D'ASSAIGS										
HUMITAT NATURAL (%)										
DENSITAT (gr/cm3)	Aparent									
	Seca									
DENSITAT PART. SÒLIDES (gr/cm³)										
GRANULOMETRIA PER TAMISAT	%Passa #5 UNE	86,9	85,0	90,1	55,9	83,9	87,9			
	%Passa #2 UNE	84,8	79,4	85,0	40,8	79,6	81,9			
	%Passa #0,4 UNE	77,3	69,6	69,6	27,2	73,1	69,9			
	%Passa #0,08 UNE	68,8	59,2	45,1	17,0	62,2	46,7			
LÍMITS D'ATTERBERG	L. Líquid	31	30	29	35	31	26			
	L. Plàstic	18	18	17	28	18	17			
	Índex plasticitat	13	12	12	7	13	9			
CLASSIFICACIÓ U.S.C.S.		CL	CL	SC	GM	CL	SC			
TALL DIRECTE	Cohesió (Kg/cm²)									
	Angle de fregament intern (º)									
PROCTOR NORMAL	Densitat màxima (g/cm³)	1,75	1,86							
	Humitat òptima (%)	16,5	12,0							
PROCTOR MODIFICAT	Densitat màxima (g/cm³)				2,09		2,08			
	Humitat òptima (%)				9,5		9,0			
ÍNDEX CBR	100% del Proctor	10			52		19			
	98% del Proctor	4			42		15			
LAMBE	Ind. Inf. (MPa)									
	C. Pot. Volum (%)									
	Classificació									
COLAPSE	Ind de colapse (%)	0,10	0,10		0,22		0,45			
	Pot. por. Colapse (%)	0,10	0,10		0,21		0,43			
COMPRESSIÓ UNIAXIAL EN ROCA	Resistència (MPa)									
	Mòdul de Young (MPa)									
	Coeficient de Poisson									
CÀRREGA PUNTUAL EN ROCA (MPa)										
INFLAMENT LLIURE	Inflament lliure (%)	No infla	1,24		0,20		0,52			
SULFATS	SO_3 (%)		0,00			0,00				
	SO_4 (%)		0,0012			0,0012				
AGRESSIVITAT DEL SÒL AL FORMIGÓ	SO_4 (mg/kg)		12			12				
	Acidesa B-G (ml/kg)		10			8				
	CLASSIFICACIÓ		N.A.			N.A.				
MATÈRIA ORGÀNICA (%)		1,51	0,72		0,69		2,06			
SALS SOLUBLES (%)		0,76	0,31		0,14		0,28			
GUIXOS (%)		0,01	0,01		0,01		0,01			
CARBONATS (%$CaCO_3$)										
AGRESSIVITAT AIGUA (*Código Estructural*)										

DESCRIPCIÓ I IDENTIFICACIÓ DE MOSTRES INALTERADES DE SÒLS (PROCEDIMENT VISUAL-MANUAL)

ASTM D 2488

Informe laboratori: L-25-1078
Client: GEOMAR, SLP
Treball/obra: 1211-24
Situació: Ripollet ATL
Municipi: RIPOLLET

Mostra: m-1
Referència client: -
Sondeig: S-1
Tipus: MI
Profunditat (m): 1
Longitud (m): 0,5



Descripció: Sorres i llims marró fosc, amb algun tram argilós.

Mostra: m-2
Referència client: -
Sondeig: S-2
Tipus: MI
Profunditat (m): 1
Longitud (m): 0,6



Descripció: Sorres i graves fines, amb certa matriu llimosa.

INVESTIGACIÓ I ASSAIGS GEOTÈCNICS.
ASSAIGS DE LABORATORI DE SÒLS.
PART 1: DETERMINACIÓ DE LA HUMITAT (*)

UNE-EN ISO 17892-1

Informe laboratori: L-25-1078

Client: GEOMAR, SLP

Treball/obra: 1211-24

Situació: Ripollet ATL

Municipi: RIPOLLET

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

IDENTIFICACIO DE LES MOSTRES ASSAJADES

		m-1	m-2			
Referència client		-	-			
Sondeig/cata		S-1	S-2			
Tipus mostra		MI	MI			
Profunditat	(m)	1,00	1,00			
Longitud	(m)	0,5	0,6			

DADES D'ASSAIG

			m-1	m-2			
m_1	t+s+a	(g)	1034,51	1799,05			
m_2	t+s	(g)	967,86	1766,52			
m_c	t	(g)	296,10	296,10			

RESULTATS

	m-1	m-2			
$w = \frac{m_1 - m_2}{m_2 - m_c} \cdot 100$ (%)	**9,92**	**2,21**			

OBSERVACIONS

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

INVESTIGACIÓ I ASSAIGS GEOTÈCNICS.
ASSAIGS DE LABORATORI DE SÒLS.
PART 2: DETERMINACIÓ DE LA DENSITAT APARENT. (*)
Mètode d'immersió en fluid i de medició linial
UNE-EN ISO 17892-2

Informe laboratori: L-25-1078

Client: GEOMAR, SLP

Treball/obra: 1211-24

Situació: Ripollet ATL

Municipi: RIPOLLET

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

IDENTIFICACIO DE LES MOSTRES ASSAJADES

		m-1	m-2			
Referència client		-	-			
Sondeig/cata		S-1	S-2			
Tipus mostra		MI	MI			
Profunditat	(m)	1,00	1,00			
Longitud	(m)	0,5	0,6			

DADES D'ASSAIG

m	Massa mostra	(g)	93,24	177,48			
m_f	Mostra + buits reomplerts	(g)					
m_c	Mostra parafinada	(g)					
m_g	Mostra parafinada submergida	(g)					
T	Temperatura aigua	(ºC)					
ρ_{fl}	Densitat aigua	(Mg/m^3)					
ρ_p	Densitat parafina	(Mg/m^3)					
Ø	Diàmetre	(mm)	50,2	50,2			
h	Alçada	(mm)	23,0	51,0			
V	VOLUM PROVETA	(m^3)	0,000046	0,000101			

m_1	t+s+a	(g)	161,78	291,55			
m_2	t+s	(g)	152,04	287,02			
m_c	t	(g)	79,1	114,1			
w	HUMITAT	(%)	13,35	2,62			

RESULTATS

DENSITAT APARENT $\rho = \frac{m}{V} \cdot 10^{-6}$ (Mg/m^3)	**2,05**	**1,76**			
DENSITAT SECA $\rho_d = \frac{\rho}{1 + (w/100)}$ (Mg/m^3)	**1,81**	**1,71**			

OBSERVACIONS

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

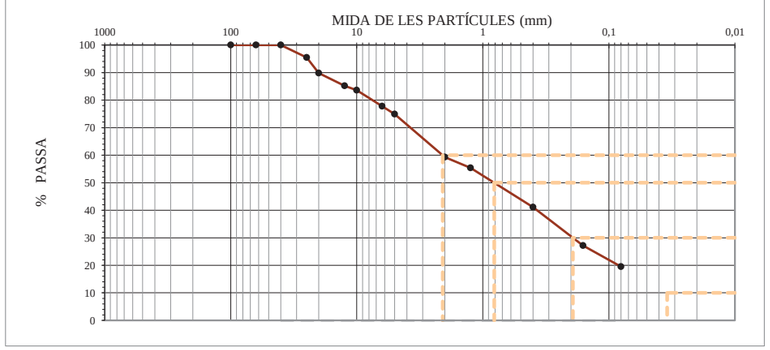
INVESTIGACIÓ I ASSAIGS GEOTÈCNICS.
ASSAIGS DE LABORATORI DE SÒLS.
PART 4: GRANULOMETRIA PER TAMISSAT (*)

UNE-EN ISO 17892-4:2019

Informe laboratori:	L-25-1078	**Mostra:**	L-25-1078 / m-1
Client:	GEOMAR, SLP	**Sondeig/cata:**	S-1
Treball/obra:	1211-24	**Tipus:**	MI
Situació:	Ripollet ATL	**Profunditat (m):**	1,00
Municipi:	RIPOLLET	**Longitud (m):**	0,50

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

ANÀLISI GRANULOMÈTRICA D'UN SÒL PER TAMISSAT



M: Massa total seca (g)	671,8

Massa > 20 mm (g)	68,5

Massa entre 20 i 5 mm (g)	99,9

Fracció < 5 mm (g)	119,7

Ø Tamís (mm)	100	63	40	25	20	12,5	10	6,3	5	2	1,25	0,4	0,16	0,08
Retingut tamisos (g)	0,0	0,0	0,0	30,2	38,3	30,8	11,1	39,1	18,9	104,8	26,3	96,0	94,0	51,3
Retingut acumulat (g)	0,0	0,0	0,0	30,2	68,5	99,3	110,3	149,5	168,4	273,2	299,5	395,5	489,5	540,8
% PASSA	**100,0**	**100,0**	**100,0**	**95,5**	**89,8**	**85,2**	**83,6**	**77,7**	**74,9**	**59,3**	**55,4**	**41,1**	**27,1**	**19,5**

CLASSIFICACIÓ UNE-EN ISO 14688-1	
% GRAVES	41
% SORRES	39
% < 0,080 mm	20

CLASSIFICACIÓ ASTM-D 2487 (U.S.C.S.)	
% GRAVES	25
% SORRES	55
% < 0,080 mm	20

PARÀMETRES GRANULOMÈTRICS	D60	D50	D30	D10	Cu	Cc
	2,08	**0,81**	**0,19**			

COEFICIENT D'UNIFORMITAT:

$$C_U = \frac{D_{60}}{D_{10}}$$

COEFICIENT DE CORBATURA:

$$C_C = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

CLASSIFICACIÓ ASTM D 2487 (U.S.C.S.)

SM

OBSERVACIONS

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

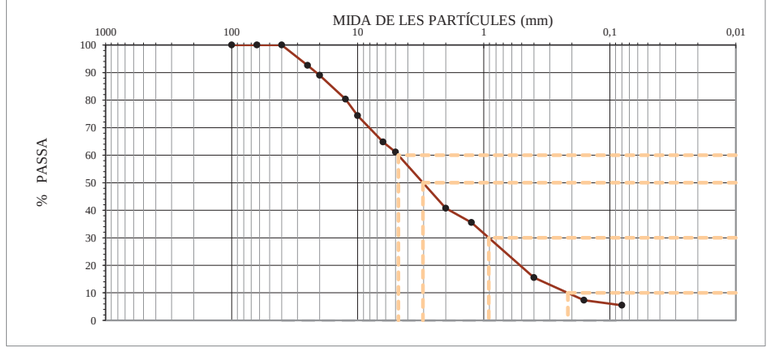
INVESTIGACIÓ I ASSAIGS GEOTÈCNICS.
ASSAIGS DE LABORATORI DE SÒLS.
PART 4: GRANULOMETRIA PER TAMISSAT (*)

UNE-EN ISO 17892-4:2019

Informe laboratori:	L-25-1078	**Mostra:**	L-25-1078 / m-2
Client:	GEOMAR, SLP	**Sondeig/cata:**	S-2
Treball/obra:	1211-24	**Tipus:**	MI
Situació:	Ripollet ATL	**Profunditat (m):**	1,00
Municipi:	RIPOLLET	**Longitud (m):**	0,60

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

ANÀLISI GRANULOMÈTRICA D'UN SÒL PER TAMISSAT



M: Massa total seca (g)	1470,4

Massa > 20 mm (g)	161,0

Massa entre 20 i 5 mm (g)	410,7

Fracció < 5 mm (g)	170,3

Ø Tamís (mm)	100	63	40	25	20	12,5	10	6,3	5	2	1,25	0,4	0,16	0,08
Retingut tamisos (g)	0,0	0,0	0,0	108,9	52,1	127,7	88,7	140,0	54,3	300,3	76,0	293,6	120,9	27,4
Retingut acumulat (g)	0,0	0,0	0,0	108,9	161,0	288,7	377,4	517,4	571,7	872,0	947,9	1241,5	1362,4	1389,8
% PASSA	**100,0**	**100,0**	**100,0**	**92,6**	**89,0**	**80,4**	**74,3**	**64,8**	**61,1**	**40,7**	**35,5**	**15,6**	**7,3**	**5,5**

CLASSIFICACIÓ UNE-EN ISO 14688-1	
% GRAVES	59
% SORRES	36
% < 0,080 mm	5

CLASSIFICACIÓ ASTM-D 2487 (U.S.C.S.)	
% GRAVES	39
% SORRES	56
% < 0,080 mm	5

PARÀMETRES GRANULOMÈTRICS	D60	D50	D30	D10	Cu	Cc
	4,76	**3,04**	**0,91**	**0,22**	**21,6**	**0,8**

COEFICIENT D'UNIFORMITAT:

$$C_U = \frac{D_{60}}{D_{10}}$$

COEFICIENT DE CORBATURA:

$$C_C = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

CLASSIFICACIÓ ASTM D 2487 (U.S.C.S.)

SP-SM

OBSERVACIONS

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

ASSAIG DE TALL DIRECTE (*)

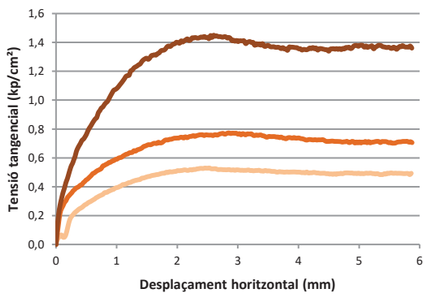
Norma UNE 103 401 : 1998

Informe lab.:	L-25-1078	**Mostra:**	m-1
Client:	GEOMAR, SLP	**Sondeig:**	S-1
Treball/obra:	1211-24	**Tipus:**	MI
Situació:	Ripollet ATL	**Profunditat (m):**	1
Municipi:	RIPOLLET	**Longitud (m):**	0,5

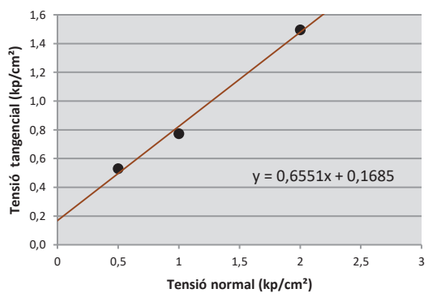
Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

Condicions assaig		Condicions del sòl		Equip	
Diàmetre (cm)	5,00	Hum. Natural:	SI	Mecànica Científica.	Ref. 21.0400
Alçada h (cm)	2,50	Submergit:	SI		
Secció (cm²)	19,63	Consolidat:	SI	Despl. Vert:	Transductor LVDT Solartron BS5
Volum (cm³)	49,06	Remoldejat:	NO	Despl. Horitz:	Transductor LVDT Solartron BS10
Velocitat (mm/min)	0,05	**Assaig**	**CD**	Tensió :	Cèl·lula AEP TS 0,5 t

CORBA DESPLAÇAMENT - RESISTÈNCIA AL TALL



TENSIÓ NORMAL-TENSIÓ TANGENCIAL



Tensió normal (kp/cm²)	0,5	1	2
Humitat inicial (%)	13,35	15,21	16,13
Humitat final (%)	16,15	16,34	15,29
Dens. Hum. (g/cm³)	2,05	2,05	2,04
Dens. Seca (g/cm³)	1,81	1,78	1,76
Índex de porus ini.	0,494	0,514	0,536
Índex de porus fin.	0,448	0,468	0,461
Tensió Tang. màxima (kg/cm²)	0,530	0,773	1,496
Tensió Tang. adoptada (kg/cm²)	0,530	0,773	1,496

Cohesió
0,17 (kg/cm²)

Angle freg. Intern
33,2 (º)

Observacions

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

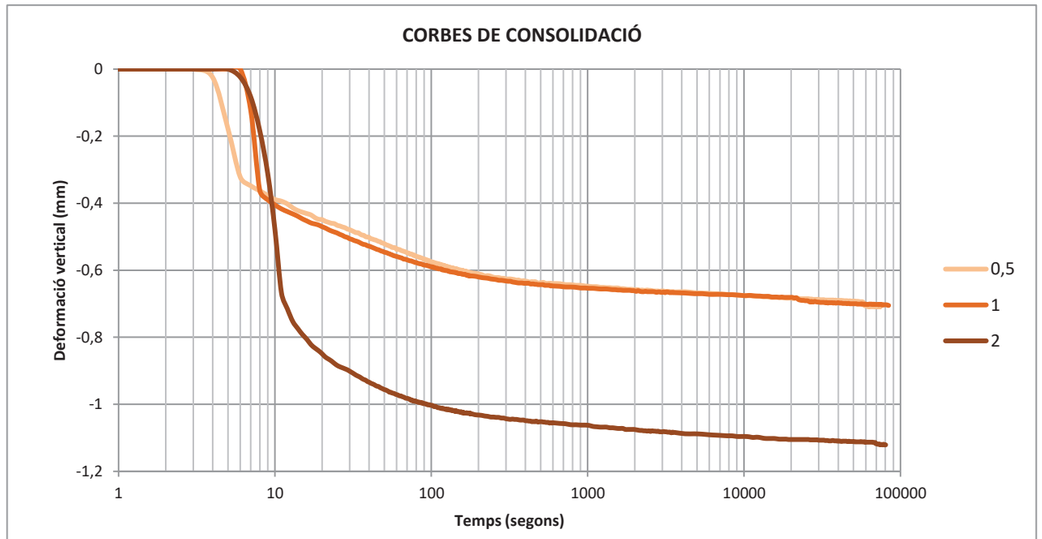
ASSAIG DE TALL DIRECTE (*)

Norma UNE 103 401 : 1998

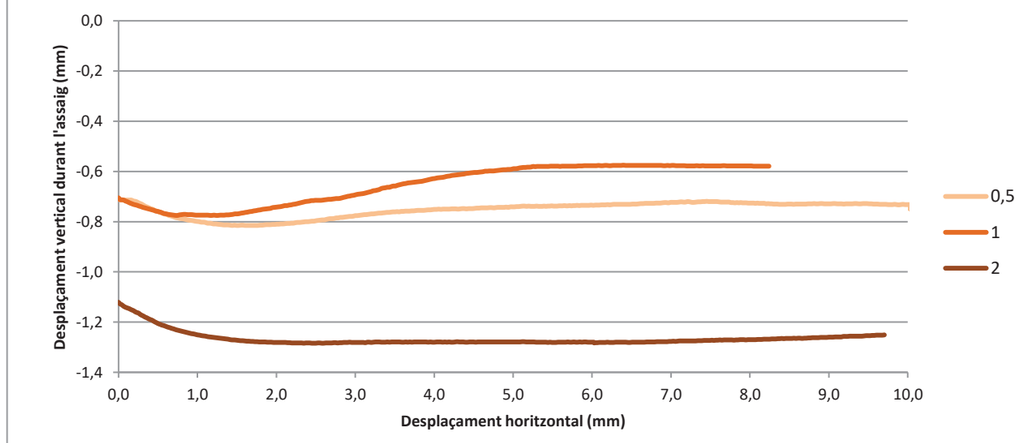
Informe lab.:	L-25-1078	**Mostra:**	m-1
Client:	GEOMAR, SLP	**Sondeig:**	S-1
Treball/obra:	1211-24	**Tipus:**	MI
Situació:	Ripollet ATL	**Profunditat (m):**	1
Municipi:	RIPOLLET	**Longitud (m):**	0,5

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

CORBES DE CONSOLIDACIÓ



CORBES DESPLAÇAMENT HORITZONTAL - DESPLAÇAMENT VERTICAL



ANALÍTICA D'AIGUA

AGRESSIVITAT DE L'AIGUA AL FORMIGÓ (*)
CÓDIGO ESTRUCTURAL

Informe lab.:	L-25-1078	**Mostra:**	m-5
Client:	GEOMAR, SLP	**Sondeig:**	S-1
Treball/obra:	1211-24	**Tipus:**	Aigua
Situació:	Ripollet ATL	**Profunditat (m):**	2,5
Municipi:	RIPOLLET	**Longitud (m):**	-

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

ANALÍTICA		
Color	Incolora	
Olor	Inolora	
pH (UNE 83952)	7,48	u. pH
Residu sec (UNE 83957)	760	mg/l
CO_2 agressiu (UNE 13577)	3,52	mg/l CO_2
Clorurs	198,54	mg/l Cl^-
Sulfats (UNE 83956)	118,14	mg/l $SO_4^=$
Magnesi (UNE 83955)	29,18	mg/l Mg^{++}
Amoni (UNE 83954)	2,10	mg/l NH_4^+

CLASSIFICACIÓ:

NO AGRESSIVA

(CÓDIGO ESTRUCTURAL, Real Decreto 470/2021 de 29 de Junio, BOE núm. 190 de 10 de agosto de 2021)

Observacions

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

ANALÍTICA D'AIGUA

AGRESSIVITAT DE L'AIGUA AL FORMIGÓ (*)
CÓDIGO ESTRUCTURAL

Informe lab.:	L-25-1078	**Mostra:**	m-6
Client:	GEOMAR, SLP	**Sondeig:**	S-2
Treball/obra:	1211-24	**Tipus:**	Aigua
Situació:	Ripollet ATL	**Profunditat (m):**	2,3
Municipi:	RIPOLLET	**Longitud (m):**	-

Recepció: 26/2/2025 **Inici assaig:** 26/2/2025 **Final assaig:** 25/3/2025

ANALÍTICA		
Color	Incolora	
Olor	Inolora	
pH (UNE 83952)	7,41	u. pH
Residu sec (UNE 83957)	900	mg/l
CO_2 agressiu (UNE 13577)	3,52	mg/l CO_2
Clorurs	244,63	mg/l Cl^-
Sulfats (UNE 83956)	139,36	mg/l $SO_4^=$
Magnesi (UNE 83955)	28,21	mg/l Mg^{++}
Amoni (UNE 83954)	0,43	mg/l NH_4^+

CLASSIFICACIÓ:

NO AGRESSIVA

(CÓDIGO ESTRUCTURAL, Real Decreto 470/2021 de 29 de Junio, BOE núm. 190 de 10 de agosto de 2021)

Observacions

(*) Assaig inclòs a la Declaració Responsable amb nº d'inscripció L0600055, i nº RG LECCE CAT-L-008

INFORME D'ASSAIGS DE LABORATORI:

ACTES DE RESULTATS

INFORME LABORATORI: **L-25-1078**

GEOMAR Enginyeria del Terreny, SLP

El laboratori de GEOMAR té implantat un sistema de qualitat d'acord a la norma UNE-EN ISO/IEC 17025:2017 i disposa de Declaració Responsable segons el RD 410/2012 com a laboratori d'assaigs de control de la qualitat en construcció en l'àmbit de la Unió Europea, amb número de registre L0600055 presentada el 21 de juliol de 2010 a la Secretaria d'Habitatge del Departament de Medi Ambient i Habitatge de la Generalitat de Catalunya, d'acord amb el Decret 149/2017 del 17 d'octubre i el Reial decret 410/2010 del 31 de març.

La informació sobre els assaigs i/o proves de servei inclosos a l'abast de l'actuació corresponent a la Declaració Responsable estan disponibles a la web: www.gencat.cat

Ricard Godàs Arrabal
Responsable de l'àmbit
Geòleg, col. 5746

Joan Martinez i Bofill
Gerent
Dr. en Enginyeria del Terreny
Geòleg col·legiat 4215

Barcelona, 25 de març de 2025

Apèndix III
Càlculs d'erosió

CÀLCUL DE L'EROSIÓ

MOSTRA S-1 MI 1,0 m (m-1)

1. Erosió general a llarg termini

Fórmula de Lac

$$y_m(m) = 0{,}128 * \frac{Q^{\frac{1}{3}}(m^3/s)}{D_m^{\frac{1}{6}}(m)}$$

Cabal	Q	114	m3/s
Diàmetre mig	Dm	0,0049	m
Calat mig	ym	1,51	m
Calat inicial	ya	1,78	m
Tipus de tram	Tram	C	
Calat màxim	y'	3,01	m
Erosió a llarg termini	**e**	**1,23**	**m**

C=corba; R=recte

2. Erosió general transitòria

Fórmula:

$$v_{crítica} = 21 * \left(\frac{R_h}{D_{50}}\right)^{\frac{1}{6}} * \sqrt{0{,}056 * \frac{\gamma_s - \gamma}{\gamma} * D_m}$$

Cabal	Q=	911,2	m^3/s
Pes específic sòlid	P_s =	2,65	t/m^3
Pes específic aigua	P_w =	1	t/m^3
Radi hidràulic	R_h =	2,48	
Diàmetre mig	D_m =	0,0049	m
Diàmetre D_{50}	D_{50} =	0,0008	m
Velocitat crítica	$v_{crítica}$ =	1,71	m/s
Àrea erosionada	$A_{erosionada}$ =	534,03	m^2
Àrea inicial	$A_{inicial}$ =	331,66	m^2
Calat inicial	$y_{inicial}$ =	3,72	m
Calat erosionat	$y_{erosionat}$	5,99	m
Erosió	**$e_{transitòria}$ =**	**2,27**	**m**

GRANULOMETRIES

Mostra	Paràmetre	Valor
S-1 MI 1,0 m (m-1)	D 16 (mm)	0,1
	D 50 (mm)	0,8
	D 84 (mm)	10
	σ g	11,2
	D m (mm)	4,9
S-2 MI 1,0 m (m-2)	D 16 (mm)	0,4
	D 50 (mm)	3
	D 84 (mm)	10,5
	σ g	5,1
	D m (mm)	5,9
C-2 MR 2,0 m (m-8)	D 16 (mm)	0,6
	D 50 (mm)	4
	D 84 (mm)	11
	σ g	4,3
	D m (mm)	9,3
C-3 MR 2,0 m (m-9)	D 16 (mm)	0,5
	D 50 (mm)	6,3
	D 84 (mm)	11,8
	σ g	5,1
	D m (mm)	9,9
MITJANA ARIT. (5 MOSTRES)	D 16 (mm)	0,4
	D 50 (mm)	3,5
	D 84 (mm)	10,8
	σ g	6,4
	D m (mm)	7,5

Secció	Situació	Cota mín llera (m)	Cota làmina aigua (m)	Calat màx (m)	Veloc. Mitja (m/s)	Àrea total flux (m^2)	Rh Radi hidràulic	Q total (m3 /seg)
2.178	MCO	53,82	55,6	1,78	1,31	87,24	0,82	114
2.178	T=500	53,82	57,54	3,72	2,75	331,66	2,48	911,2

CÀLCUL DE L'EROSIÓ

MITJANA ARIT. (5 MOSTRES)

1. Erosió general a llarg termini

Fórmula de Lac

$$y_m(m) = 0{,}128 * \frac{Q^{\frac{1}{3}}(m^3/s)}{D_m^{\frac{1}{6}}(m)}$$

Cabal	Q	28,9	m3/s
Diàmetre mig	Dm	0,0075	m
Calat mig	ym	0,89	m
Calat inicial	ya	0,92	m
Tipus de tram	Tram	C	
Calat màxim	y'	1,78	m
Erosió a llarg termini	**e**	**0,86**	**m**

C=corba; R=recte

2. Erosió general transitòria

Fórmula:

$$v_{crítica} = 21 * \left(\frac{R_h}{D_{50}}\right)^{\frac{1}{6}} * \sqrt{0{,}056 * \frac{\gamma_s - \gamma}{\gamma} * D_m}$$

Cabal	Q=	506,7	m^3/s
Pes específic sòlid	P_s =	2,65	t/m^3
Pes específic aigua	P_w =	1	t/m^3
Radi hidràulic	R_h =	1,91	
Diàmetre mig	D_m =	0,0075	m
Diàmetre D_{50}	D_{50} =	0,0035	m
Velocitat crítica	$v_{crítica}$ =	1,58	m/s
Àrea erosionada	$A_{erosionada}$ =	320,63	m^2
Àrea inicial	$A_{inicial}$ =	169,00	m^2
Calat inicial	$y_{inicial}$ =	3,10	m
Calat erosionat	$y_{erosionat}$	5,88	m
Erosió	**$e_{transitòria}$ =**	**2,78**	**m**

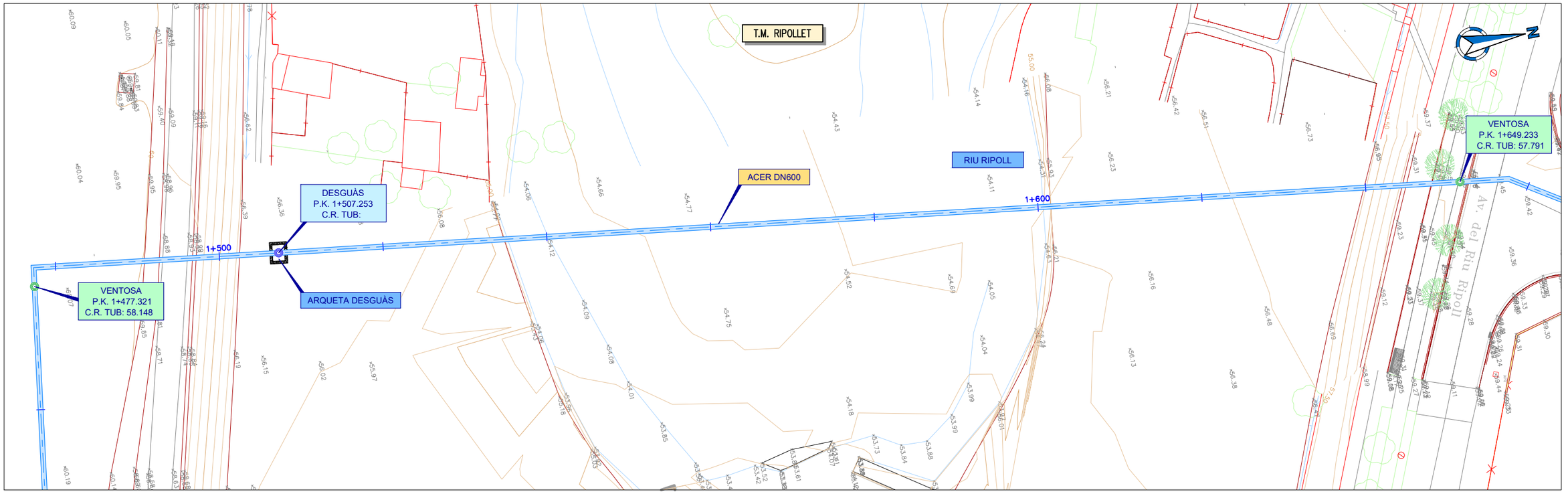
GRANULOMETRIES

Mostra	Paràmetre	Valor
S-1 MI 1,0 m (m-1)	D 16 (mm)	0,1
	D 50 (mm)	0,8
	D 84 (mm)	10
	σ g	11,2
	D m (mm)	4,9
S-2 MI 1,0 m (m-2)	D 16 (mm)	0,4
	D 50 (mm)	3
	D 84 (mm)	10,5
	σ g	5,1
	D m (mm)	5,9
C-2 MR 2,0 m (m-8)	D 16 (mm)	0,6
	D 50 (mm)	4
	D 84 (mm)	11
	σ g	4,3
	D m (mm)	9,3
C-3 MR 2,0 m (m-9)	D 16 (mm)	0,5
	D 50 (mm)	6,3
	D 84 (mm)	11,8
	σ g	5,1
	D m (mm)	9,9
MITJANA ARIT. (5 MOSTRES)	D 16 (mm)	0,4
	D 50 (mm)	3,5
	D 84 (mm)	10,8
	σ g	6,4
	D m (mm)	7,5

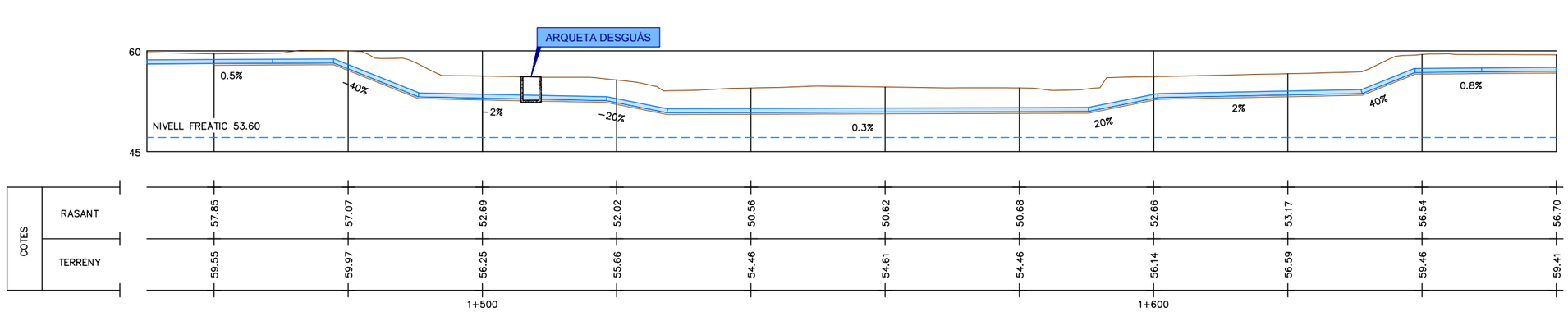
Secció	Situació	Cota mín llera (m)	Cota làmina aigua (m)	Calat màx (m)	Veloc. Mitja (m/s)	Àrea total flux (m^2)	Rh Radi hidràulic	Q total (m3 /seg)
707-4326	MCO	85,05	85,97	0,92	2,01	14,34	0,41	28,9
707-4326	T=500	85,05	88,15	3,1	3,00	169,00	1,91	506,7

Plànols

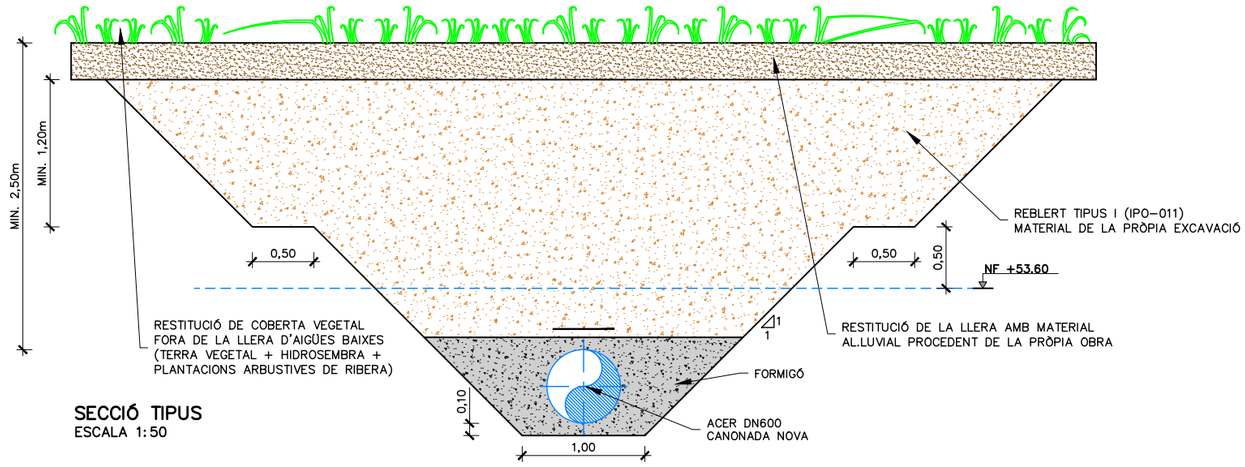
ATL
Ens d'Abastament
d'Aigua Ter-Llobregat



PLANTA CREUAMENT RIU RIPOLL A RIPOLLET
ESCALA 1:500

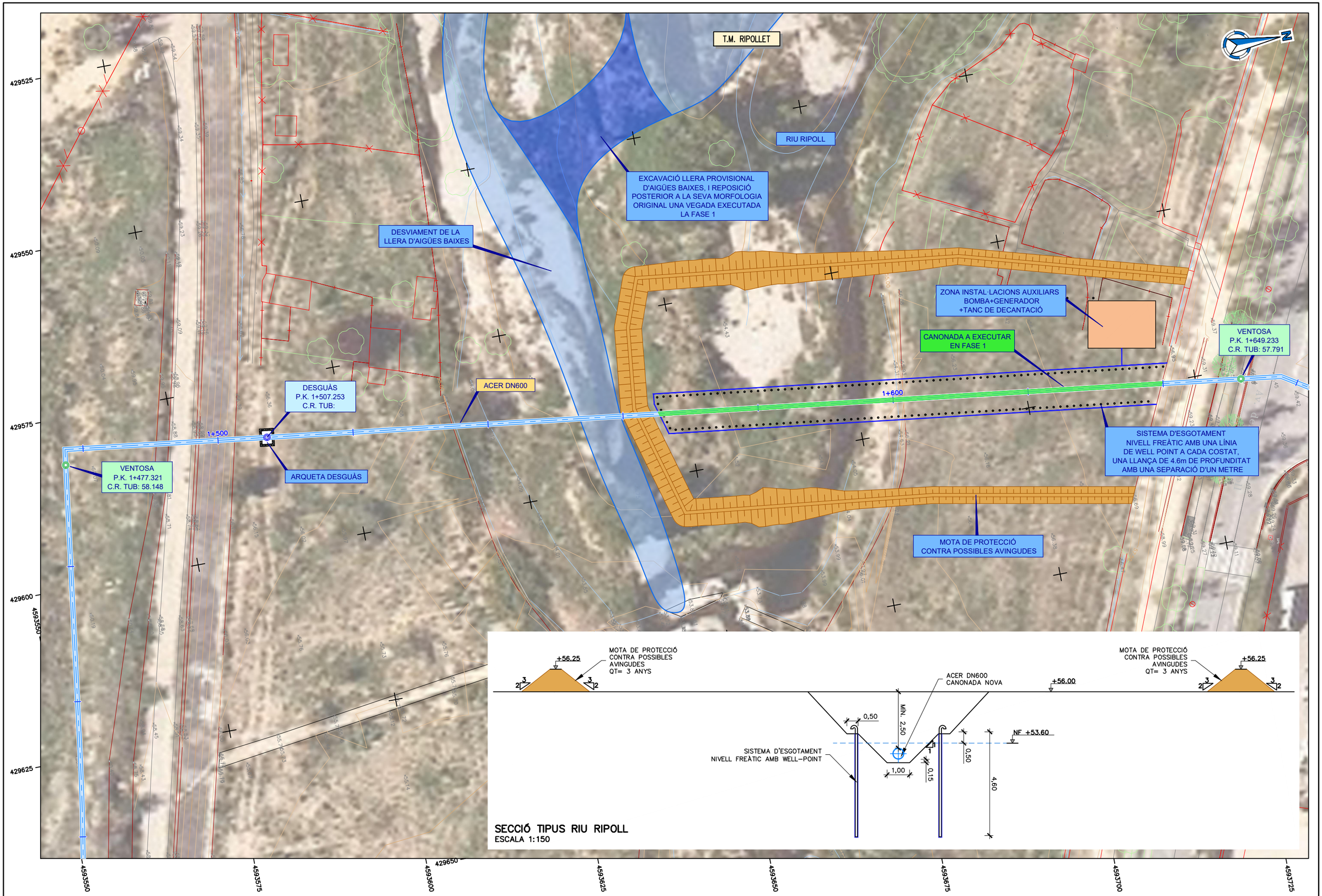


PERFIL LONGITUDINAL
ESCALA V:1/750 H:1/750



SECCIÓ TIPUS
ESCALA 1:50

ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET DEFINICIÓ GEOMÈTRICA I REPLANTEIG. PLANTA I PERFIL	Plànol nº: 10A1 Full: 01 de 01 Fitxer: 10A1F01.dwg



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Ens d'Abastament i Sanejament d'Aigües Ter Llobregat · Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET PROCÈS CONSTRUCTIU: FASE I	Plànol nº: 10A2 · Full: 01 de 02 · Fitxer: 10A2F01.dwg

T.M. RIPOLLET

RIU RIPOLL

LLERA D'AGÜES BAIXES

ZONA INSTAL·LACIONS AUXILIARS
BOMBA+GENERADOR
+TANC DE DECANTACIÓ

DESGUÀS
P.K. 1+507.253
C.R. TUB:

CANONADA A EXECUTAR
EN FASE 2

ACER DN600

VENTOSA
P.K. 1+649.233
C.R. TUB: 57.791

1+600

1+500

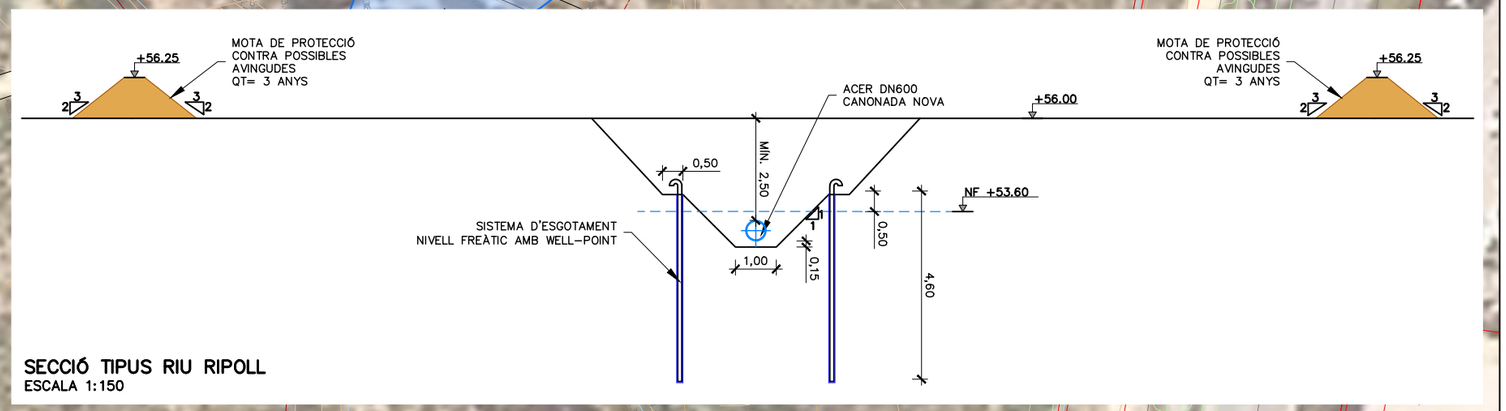
VENTOSA
P.K. 1+477.321
C.R. TUB: 58.148

ARQUETA DESGUÀS

SISTEMA D'ESGOTAMENT
NIVELL FREÀTIC AMB UNA LÍNIA
DE WELL POINT A CADA COSTAT,
UNA LLANÇA DE 4.6m DE PROFUNDITAT
AMB UNA SEPARACIÓ D'UN METRE

MOTA DE PROTECCIÓ
CONTRA POSSIBLES AVINGUDES

429525
429550
429575
429600
429625
429650
4593550
4593575
4593600
4593625
4593650
4593675
4593700
4593725



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Àrea d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET PROCÉS CONSTRUCTIU: FASE II	Plànol nº: 10A2 Full: 02 de 02 Fitxer: 10A2F02.dwg

T.M. RIPOLLET

RIU SEC

RIU RIPOLL

EXCAVACIÓ LLERA PROVISIONAL D'AIGÜES BAIXES, I REPOSICIÓ POSTERIOR A LA SEVA MORFOLOGIA ORIGINAL UNA VEGADA EXECUTADA LA FASE 1

MOTA DE PROTECCIÓ CONTRA POSSIBLES AVINGUDES QT= 3 ANYS

1+800

1+700

1+600

1+500

1+400

429450

429500

429550

429600

429650

4593500

429700

429750

4593500

4593550

4593600

4593650

4593700

4593750

4593800

ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:1.000 (0 10 20m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET DESVIAMENT PROVISIONAL DE LA LLERA D'AIGUES BAIXES	Plànol nº: 10A3 Full: 01 de 02 Fitxer: 10A3F01.dwg

T.M. RIPOLLET

RIU SEC

RIU RIPOLL

MOTA DE PROTECCIÓ
CONTRA POSSIBLES AVINGUDES
QT= 3 ANYS

1+800

1+600

1+500

1+400

1+200

carrer Llobregat

429450

429500

429550

429600

429650

429700

429750

4593500

4593550

4593600

4593650

4593700

4593750

4593800

N

ATL Ens d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:1.000 (0 10 20m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A RIPOLLET DESVIAMENT PROVISIONAL DE LA LLERA D'AIGUES BAIXES	Plànol nº: 10A3 Full: 02 de 02 Fitxer: 10A3F02.dwg

T.M. RIPOLLET

RIU RIPOLL

DESVIAMENT DE LA LLERA D'AIGÜES BAIXES

VENTOSA
P.K. 0+020.420
C.R. TUB:

DESGUÀS
P.K. 0+111.055
C.R. TUB:

MOTA DE PROTECCIÓ CONTRA POSSIBLES AVINGUDES

CANONADA A EXECUTAR EN FASE 2

FOSA DÚCTIL
DN 200mm

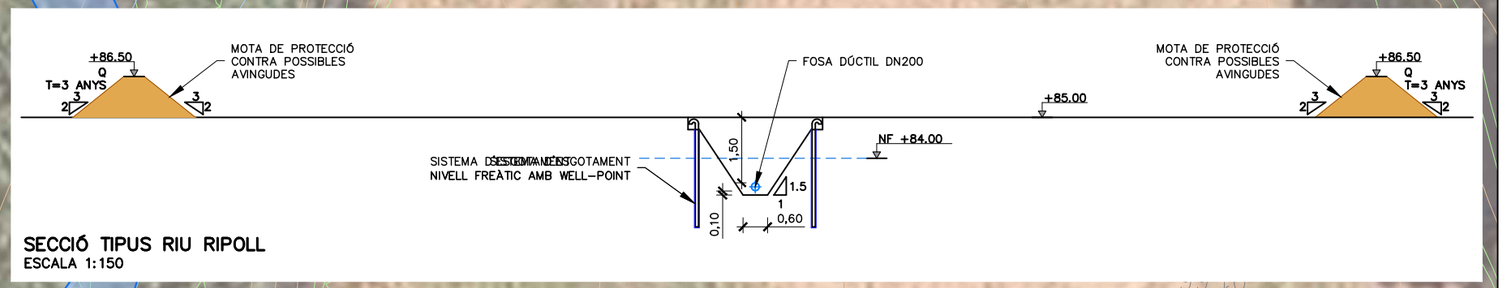
VENTOSA
P.K. 0+165.692
C.R. TUB:

ARQUETA DESGUÀS

SISTEMA D'ESGOTAMENT
NIVELL FREÀTIC AMB UNA LÍNIA
DE WELL POINT A CADA COSTAT,
UNA LLANÇA DE 3m DE PROFUNDITAT
AMB UNA SEPARACIÓ D'UN METRE

4596225
4596250
4596275
4596300
4596325

428175 428150 428125 428100 428075 428050 428025 428000



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Àrea d'Assistència als Ens Locals

Generalitat de Catalunya

El Director del projecte: Pau Moreno Castellana

Els autors del projecte: Carlos Martín Freixa, Javier Rentero González

Consultor: ayesa

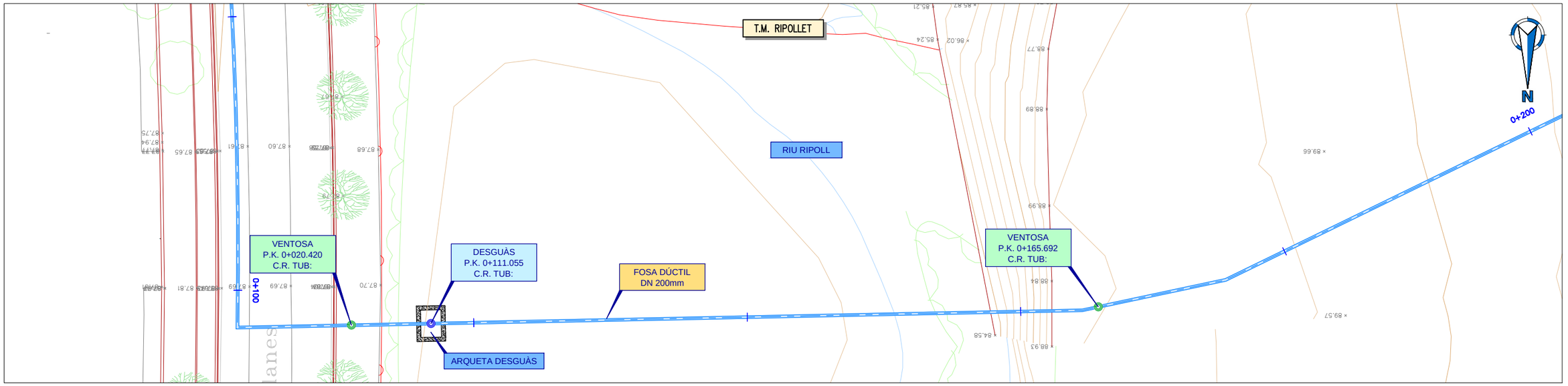
Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Data: SETEMBRE 2024

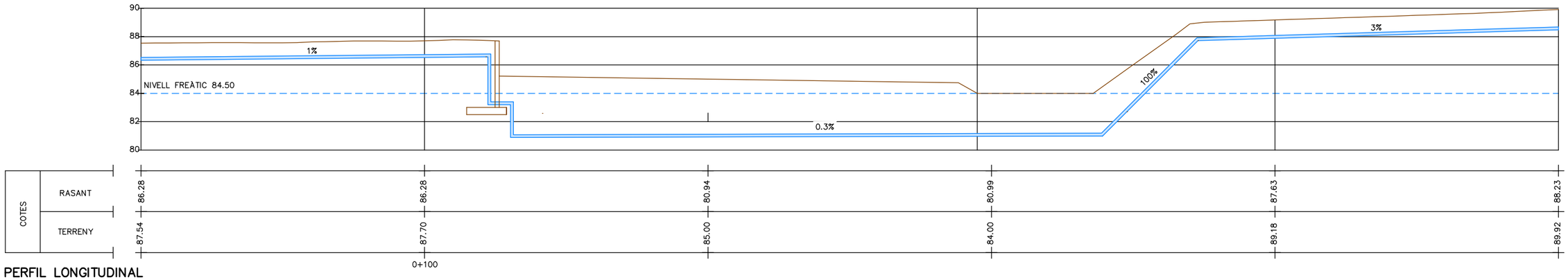
Escala: 1:500 (0 5 10m) Originals DIN A-3

Títol del plànol: OBRES ESPECIALS
CREUAMENT RIU RIPOLL A BARBERÀ
PROCÉS CONSTRUCTIU: FASE II

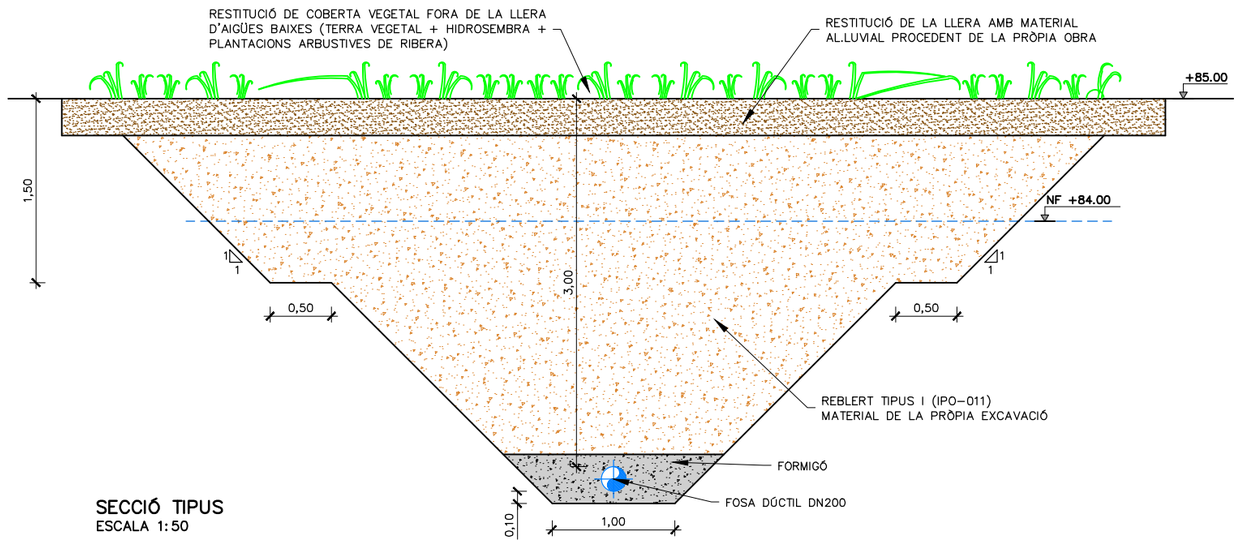
Plànol nº: 10B2
Full: 02 de 02
Fitxer: 10B2F02.dwg



PLANTA CREUAMENT RIU RIPOLL A BARBERÀ
ESCALA 1:300



PERFIL LONGITUDINAL
ESCALA V=1:750 H=1:750



SECCIÓ TIPUS
ESCALA 1:50

ATL Àrea d'Abastament d'Aigua Ter-Llobregat · Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa · Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:300 (0 3 6m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS · CREUAMENT RIU RIPOLL A BARBERÀ · DEFINICIÓ GEOMÈTRICA I REPLANTEIG. PLANTA I PERFIL	Plànol nº: 10B1 · Full: 01 de 01 · Fitxer: 10B1F01.dwg

T.M. RIPOLLET

RIU RIPOLL

DESVIAMENT DE LA LLERA D'AIGÜES BAIXES

ZONA INSTAL·LACIONS AUXILIARS BOMBA+GENERADOR +TANC DE DECANTACIÓ

DESGUÀS P.K. 0+111.055 C.R. TUB:

CANONADA A EXECUTAR EN FASE 1

MOTA DE PROTECCIÓ CONTRA POSSIBLES AVINGUDES

FOSA DÚCTIL DN 200mm

0+200

0+010

VENTOSA P.K. 0+020.420 C.R. TUB:

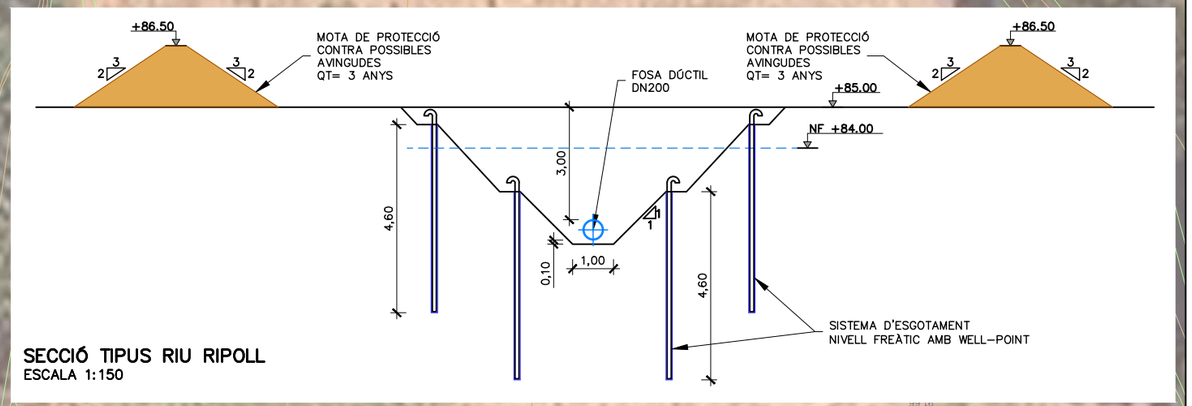
ARQUETA DESGUÀS

VENTOSA P.K. 0+165.692 C.R. TUB:

SISTEMA D'ESGOTAMENT NIVELL FREÀTIC AMB UNA LÍNIA DE WELL POINT A CADA COSTAT, UNA LLANÇA DE 4.6m DE PROFUNDITAT AMB UNA SEPARACIÓ D'UN METRE

4596225
4596250
4596275
4596300
4596325

428175 428150 428125 428100 428075 428050 428025 428000



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Entitat d'Abastament d'Aigua Ter-Llobregat / Generalitat de Catalunya	El Director del projecte: Pau Moreno Castellana	Els autors del projecte: Carlos Martín Freixa, Javier Rentero González	Consultor: ayesa	Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ	Data: SETEMBRE 2024	Escala: 1:500 (0 5 10m) Originals DIN A-3	Títol del plànol: OBRES ESPECIALS CREUAMENT RIU RIPOLL A BARBERÀ PROCÈS CONSTRUCTIU: FASE I	Plànol nº: 10B2 Full: 01 de 02 Fitxer: 10B2F01.dwg

T.M. RIPOLLET

RIU RIPOLL

DESVIAMENT DE LA
LLERA D'AIGÜES BAIXES

VENTOSA
P.K. 0+020.420
C.R. TUB:

DESGUÀS
P.K. 0+111.055
C.R. TUB:

MOTA DE PROTECCIÓ
CONTRA POSSIBLES AVINGUDES

CANONADA A EXECUTAR
EN FASE 2

FOSA DÚCTIL
DN 200mm

0+200

VENTOSA
P.K. 0+165.692
C.R. TUB:

0+100

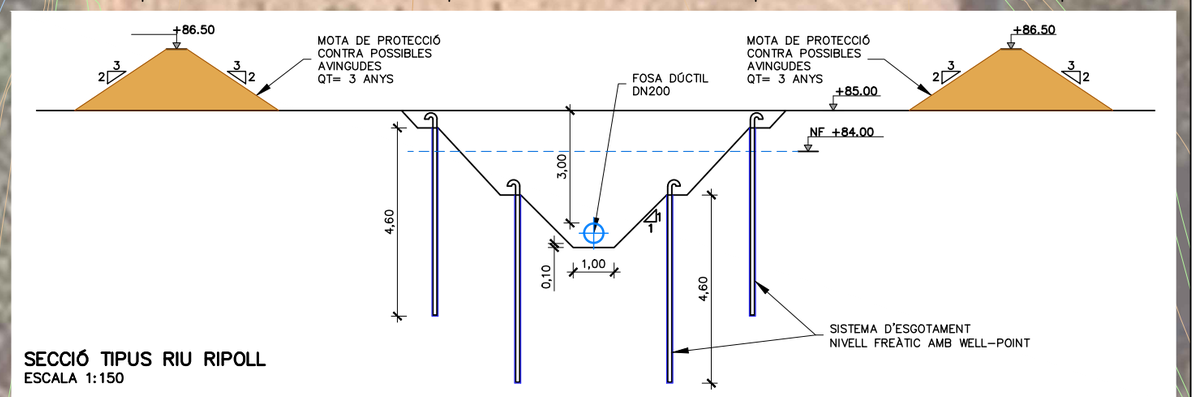
ARQUETA DESGUÀS

ZONA INSTAL·LACIONS AUXILIARS
BOMBA+GENERADOR
+TANC DE DECANTACIÓ

SISTEMA D'ESGOTAMENT
NIVELL FREÀTIC AMB UNA LÍNIA
DE WELL POINT A CADA COSTAT,
UNA LLANÇA DE 4.6m DE PROFUNDITAT
AMB UNA SEPARACIÓ D'UN METRE

4596225
4596250
4596275
4596300
4596325

428175 428150 428125 428100 428075 428050 428025 428000



SECCIÓ TIPUS RIU RIPOLL
ESCALA 1:150

ATL Àrea d'Abastament d'Aigües Ter-Llobregat
Generalitat de Catalunya

El Director del projecte: Pau Moreno Castellana

Els autors del projecte: Carlos Martín Freixa, Javier Rentero González

Consultor: ayesa

Títol de l'estudi: PROJECTE DE RENOVACIÓ DE LA DERIVACIÓ COMARCAL DEL VALLÈS OCCIDENTAL (BARBERÀ - RIPOLLET) I DE LES DERIVACIONS MUNICIPALS A RIPOLLET I BARBERÀ

Data: SETEMBRE 2024

Escala: 1:500 (0 5 10m)
Originals DIN A-3

Títol del plànol: OBRES ESPECIALS
CREUAMENT RIU RIPOLL A BARBERÀ
PROCÈS CONSTRUCTIU: FASE II

Plànol nº: 10B2
Full: 02 de 02
Fitxer: 10B2F02.dwg