ΠΑΡΑΡΤΗΜΑ Γ: ΑΡΧΕΙΑ ΠΡΟΕΙΔΟΠΟΙΗΣΕΩΝ ΚΑΙ ΣΗΜΕΙΩΣΕΩΝ (WARNIGS AND NOTES)

Γ.1. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ Τ=20 ΕΤΗ

Γ.2. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ Τ=100 ΕΤΗ

Γ.3. ΠΕΡΙΟΔΟΣ ΕΠΑΝΑΦΟΡΑΣ Τ=500 ΕΤΗ

Ομαδοποίηση Προειδοποιήσεων	
Προειδοποίηση	Σχολιασμός - Αιτιολόγηση
The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections.	Εμφανίζεται σε περιπτώσεις απότομης μεταβολής της ταχύτητας κυρίως στα ανάντη γεφυρών, οχετών και αναχωμάτων, αλλά και σε περιπτώσεις απότομης μεταβολής της μηκοτομικής κλίσης ή του πλάτους της κοίτης. Κρίθηκε ότι δεν απαιτείται περαιτέρω πύκνωση των διατομών στις θέσεις αυτές καθώς οι διατομές έχουν επιλεγεί με τρόπο ώστε οι μεταβολές μεταξύ τους να θεωρούνται σταθερές.
The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.	Εμφανίζεται πολύ συχνά σε περιπτώσεις όπου υπάρχουν σημαντικές μεταβολές στα αποτελέσματα της επίλυσης μεταξύ διαδοχικών διατομών. Στις περιοχές αυτές οι συνθήκες ροής θεωρούνται σταθερές και δεν κρίνεται απαραίτητη η προσθήκη επιπλέον διατομών.
Divided flow computed for this cross-section.	Εμφανίζεται σε περιπτώσεις όπου η ροή διαχωρίζεται είτε λόγω μικρών νησίδων είτε λόγω παράλληλης ροής στις παρόχθιες ζώνες. Στις θέσεις αυτές ελέγχθηκε αν απαιτείται να τοποθετηθεί σημείο αναχώματος και κρίθηκε ότι δεν απαιτείται.
The energy loss was greater than 1.0 ft (0.3 m) between the current and previous cross section. This may indicate the need for additional cross sections.	Εμφανίζεται πολύ συχνά σε περιπτώσεις όπου υπάρχουν σημαντικές μεταβολές στα αποτελέσματα της επίλυσης μεταξύ διαδοχικών διατομών. Στις περιοχές αυτές οι συνθήκες ροής θεωρούνται σταθερές και δεν κρίνεται απαραίτητη η προσθήκη επιπλέον διατομών.



Errors Warnings and Notes for Plan: Unsteady020

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Location: River: c04 Reach: c04_01
                                             RS: 5908.936
                                                                 Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                             RS: 5885.715
                                                                 Profile: Max WS
Culv: Culvert #1
           The flow in the culvert is entirely supercritical. River: c04 Reach: c04_01 RS: 5875.787 Pro
Location: River: c04 Reach: c04_01 RS: 5875.787 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}). This may
Warning:
indicate the need for
           additional cross sections.
Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
Location: River: c04 Reach: c04_01 RS: 5868.524 Warning: Divided flow computed for this cross-section.
                                             RS: 5868.524
                                                                 Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                                                 Profile: Max WS
                        Reach: c04_01
                                             RS: 5861.046
           Divided flow computed for this cross-section.
Warning:
                                             RS: 5853.298
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 5845.364
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
The conveyance ratio (upstream conveyance divided by downstream
Warning:
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 5836.439
Warning:
           Divided flow computed for this cross-section.
                                             RS: 5827.791
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5819.487 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 5796.834
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5789.445 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 5756.415
                                                                 Profile: Max WS
Culv: Culvert #1
           The flow in the culvert is entirely supercritical. River: c04 Reach: c04_01 RS: 5747.176 Pro
Note:
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                             RS: 5737.7
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
           Multiple critical depths were found at this location.
Note:
                                                                          The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                             RS: 5728.462
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy
           was used.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 5719.466
Warning: Divided flow computed for this cross-section.
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Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                              RS: 5710.638
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                              RS: 5702.954
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                             RS: 5694.222
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                              RS: 5685.105
                                                                 Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 5675.253
Warning:
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04
                        Reach: c04_01
                                                                 Profile: Max WS
                                             RS: 5665.769
           Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m).
Warning:
                                                                                 This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 5656.98 Profile: Max WS Warning: Divided flow computed for this cross-section.
Note: Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 5648.714 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
           River: c04 Reach: c04_01 RS: 5619.856 Divided flow computed for this cross-section.
Location: River: c04
                                                                 Profile: Max WS
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 5610.931
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5600.667 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 5591
                                                             Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04
                                              RS: 5582.501
                                                                 Profile: Max WS
                        Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
                                              RS: 5575.57
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 5566.522
           Divided flow computed for this cross-section.
Warning:
Location:
           River: c04 Reach: c04_01
                                              RS: 5557.313
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04
                                              RS: 5547.925
                                                                 Profile: Max WS
                        Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                              RS: 5538.494
                                                                 Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 5528.91
Warning:
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                        Reach: c04_01
                                              RS: 5520.622
                                                                 Profile: Max WS
Location: River: c04
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 5512.517
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 5504.946
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5497.334 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
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additional cross sections. Reach: c04_01 Location: River: c04 RS: 5488.44 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5479.807 Profile: Max WS Divided flow computed for this cross-section. Warning: Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5469.241 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5458.733 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 5443.915 Profile: Max WS Divided flow computed for this cross-section. Warning: Warning: The velocity head has changed by more than 0.5 ft (0.15 m).This may indicate the need for additional cross sections. Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.
Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 5435.078 Warning: Divided flow computed for this cross-section. RS: 5435.078 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5424.497 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 5416.446 Divided flow computed for this cross-section. RS: 5408.375 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5399.15 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5380.912 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 5373.515 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 5340.022 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed \overline{f} or this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5331.825 Warning: Divided flow computed for this cross-section. Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

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sections.
Location: River: c04 Reach: c04_01
                                            RS: 5323.679
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 5315.511 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Warning:
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                            RS: 5307.485
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Note:
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                            RS: 5300.308
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 5293.192
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 5286.007 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
           This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 5278.462
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 5271.527
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                            RS: 5263.764
                                                               Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 5253.074
Warning:
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 5233.327
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 5223.767
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5196.334 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
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sections.
Location: River: c04 Reach: c04_01
                                                        Profile: Max WS
                                        RS: 5186.6
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                        RS: 5157.098
                                                          Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                        RS: 5147.272
                                                         Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                        RS: 5138.243
                                                         Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                        RS: 5102.601
                                                         Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                        RS: 5053.966
                                                         Profile: Max WS
Location: River: c04 Reach: c04_01
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 5029.408
                                                         Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                               This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 5020.318
                                                         Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 5013.492
                                                          Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04 01
                                        RS: 5006.705
                                                         Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m).
Warning:
                                                                       This may
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                               This may indicate the need for additional cross
          or greater than 1.4.
sections.
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
          was used.
                                                          Profile: Max WS
Location: River: c04 Reach: c04_01
                                        RS: 4989.564
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                        RS: 4983.084
                                                         Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 4909.177
                                                          Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 4830.483
                                                          Profile: Max WS
          Divided flow computed \overline{f}or this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                        RS: 4802.887
                                                          Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                        RS: 4793.596
                                                          Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                        RS: 4754.331
                                                          Profile: Max WS
Location: River: c04 Reach: c04_01
Warning:
         The conveyance ratio (upstream conveyance divided by downstream
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conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                           RS: 4718.422
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
          or greater than 1.4.
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4671.317
                                                              Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
                                           RS: 4664.061
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4643.131 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                 This may indicate the need for additional cross
          or greater than 1.4.
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4635.865
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                          RS: 4628.763
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4620.433 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4613.284 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
          The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
          was used.
Location: River: c04 Reach: c04_01
                                           RS: 4605.735
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Warning:
          The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}). This may
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
          The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
          This may indicate the need for additional cross sections.
Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
          was used.
Location: River: c04 Reach: c04_01
                                           RS: 4597.183
                                                             Profile: Max WS
```

```
Warning: The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                                This may indicate the need for additional cross
sections.
                                                            Profile: Max WS
Location: River: c04 Reach: c04_01
                                          RS: 4583.873
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4.
                                This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 4565.351
                                                            Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 4558.591
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 4550.732
                                                            Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
                                                            Profile: Max WS
Location: River: c04 Reach: c04_01
                                          RS: 4542.731
          Divided flow computed for this cross-section.
Warning:
                                          RS: 4534.842
Location: River: c04 Reach: c04_01
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                            Profile: Max WS
                                          RS: 4526.425
          Divided flow computed for this cross-section.
The conveyance ratio (upstream conveyance divided by downstream
Warning:
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
                                          RS: 4517.965
                                                            Profile: Max WS
Location: River: c04 Reach: c04_01
          Divided flow computed for this cross-section.
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 4510.044
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 4502.642
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 \text{ m}). This may
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 4498.239
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}). This may
Warning:
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
          The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
          This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
          was used.
Location: River: c04 Reach: c04_01
                                          RS: 4491.176
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 4482.073
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                          RS: 4431.814
                                                            Profile: Max WS
```

```
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 4416.827 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 4381.48
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 4364.239
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 4355.382
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 4347.144
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 4338.909
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 4313.857
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4294.513
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 4275.241
                                                             Profile: Max WS
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
                                           RS: 4265.812
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4256.488
                                                             Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4237.944 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
                                           RS: 4220.072
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4211.178
                                                             Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
                                 This may indicate the need for additional cross
          or greater than 1.4.
sections.
                                           RS: 4202.575
Location: River: c04
                       Reach: c04_01
                                                             Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4194.354
                                                             Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4186.204
                                                             Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
                                           RS: 4169.511
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 4153.021
                                                             Profile: Max WS
```

c04_T020.txt Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4143.436 Profile: Max WS Divided flow computed \overline{f} or this cross-section. Warning: Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4134.146 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4108.916 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4100.837 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Profile: Max WS This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 RS: 4077.499 Reach: c04_01 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4070.704 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4063.423 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than $1.0 \, \text{ft} \, (0.3 \, \text{m})$. between the current Warning: and previous cross section.

This may indicate the need for additional cross sections. RS: 4057.779 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4051.948 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream

Location: River: c04 Reach: c04_01

Location: River: c04 Reach: c04_01

conveyance) is less than 0.7

Warning:

sections.

RS: 4028.927

RS: 4021.461

or greater than 1.4. This may indicate the need for additional cross

Profile: Max WS

Profile: Max WS

c04_T020.txt Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 4007.01 Location: River: c04 Reach: c04_01 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 4000.179 Location: River: c04 Reach: c04_01 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3990.792 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3981.557 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3972.583 Profile: Max WS Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04 01 RS: 3962.33 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 3952.353 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3879.531 Profile: Max WS Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3869.72 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3859.836 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream Page 10

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3849.871 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Location: River: c04 Reach: c04_01 RS: 3820.091 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3810.452 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3800.807 Profile: M Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3791.162 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3695.516 Location: River: c04 Reach: c04_01 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3685.903 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3680.706 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3661.235 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3614.429 Profile: Max WS Location: River: c04 Reach: c04_01 The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3604.976 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m).

indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3595.571 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

sections.

RS: 3557.228 Profile: Max WS Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

sections.

Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3550.063 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3540.737 Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 3503.728 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3495.469 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3462.723 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 3454.819 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 3446.873 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 3440.677 Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 3421.329 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 3419.338 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3404.907 Warning: Divided flow computed for this cross-section. Profile: Max WS

The conveyance ratio (upstream conveyance divided by downstream Warning:

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used.

Location: River: c04 Reach: c04_01 RS: 3375.382 Profile: Max WS Upstream

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

c04_T020.txt Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 3375.382 Profile: Max WS Downstream The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3355.311 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3345.163 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3334.546 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Reach: c04_01 Location: River: c04 RS: 3323.915 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3289.088 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3279.968 Profile: Max WS Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 3247.878 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3196.383 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3179.857 Profile: Max WS

Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 3173.264 Profile: Max WS

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

 $\,$ or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3134.323 Profile: Max WS

```
The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 3119.887
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 3105.657
                                                              Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 3090.835 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m).
                                                              Profile: Max WS
                                                                            This may
indicate the need for
           additional cross sections.
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                           RS: 3006.644
                                                              Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m).
Warning:
                                                                            This may
indicate the need for
           additional cross sections.
Location: River: c04 Reach: c04_01
                                           RS: 2937.749
                                                              Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 2929.917
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2926.727 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 2919.089
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 2891.551
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                           RS: 2883.045
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 2874.524 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 2865.986
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 2857.433
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 2847.807
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 2838.126
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 2828.402
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2818.635 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 2808.826
                                                              Profile: Max WS
Warning: Divided flow computed for this cross-section.
```

```
Location: River: c04 Reach: c04_01 RS: 2799.073 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 2789.468
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                           RS: 2779.978
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
          Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 2771.11
Warning:
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 2708.453
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 2664.371
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                            RS: 2656.253
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning: Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 2649.175
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 2643.793
                                                               Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 2638.208 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 2632.675 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross_sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                            RS: 2624.016
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
          The energy loss was greater than 1.0 \, \text{ft} \, (0.3 \, \text{m}). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 2616.715 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
```

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2609.083 Warning: Divided flow computed for this cross-section. Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2602.47 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

River: c04 Reach: c04_01 RS: 2594.68 Divided flow computed for this cross-section. Location: River: c04 Profile: Max WS

Warning:

Location: River: c04 Reach: c04_01 RS: 2588.704 Warning: Divided flow computed for this cross-section. Profile: Max WS

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2571.063 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used.

Location: River: c04 Reach: c04_01 RS: 2543.696 Profile: Max WS Upstream

Warning: The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

sections. Multiple critical depths were found at this location. Note: The critical depth with the lowest, valid, water

surface was used. Location: River: c04 Reach: c04_01 RS: 2543.696 Profile: Max WS Downstream

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

Location: River: c04 Reach: c04_01 RS: 2508.053 Warning: Divided flow computed for this cross-section. Profile: Max WS

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.
Location: River: c04 Reach: c04_01 RS: 2466.399
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 2457.297

Profile: Max WS

Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The conveyance ratio (upstream conveyance divided by downstream

```
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 2448.274
                                                               Profile: Max WS
Location: River: c04
                       Reach: c04_01
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 2439.814
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 2430.949
                                                               Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 2421.937
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 2412.429
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04
                                                               Profile: Max WS
                       Reach: c04_01
                                            RS: 2403.072
          Divided flow computed for this cross-section.
The conveyance ratio (upstream conveyance divided by downstream
Warning:
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 2380.393
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
                                            RS: 2370.425
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 2361.797
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
           This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 2354.183
           Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical
Warning:
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 2344.79 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
          River: c04 Reach: c04_01 RS: 2335.923 Divided flow computed for this cross-section.
Location: River: c04
                                                               Profile: Max WS
Warning:
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                                               Profile: Max WS
                       Reach: c04_01
                                            RS: 2327.225
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
                                            RS: 2318.649
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2310.4 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 2302.427
                                                               Profile: Max WS
Warning: Divided flow computed for this cross-section.
```

Location: River: c04 Reach: c04_01 RS: 2294.972 Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2288.042

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2263.468 Warning: Divided flow computed for this cross-section. Profile: Max WS

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2248.71 Profile: Max WS

Divided flow computed for this cross-section. Warning:

RS: 2238.32 Location: River: c04 Reach: c04_01 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2217.091 Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 2164.565 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

This may indicate the need for additional cross or greater than 1.4. sections.

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2145.981 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2138.366 Profile: Note: Multiple critical depths were found at this location. Profile: Max WS The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2128.86 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

River: c04 Reach: c04_01 RS: 2118.865 Profile: Max WS Multiple critical depths were found at this location. The critical Location: River: c04 Note: depth with the lowest, valid, energy was used.

Location: River: c04

Warning:

River: c04 Reach: c04_01 RS: 2112.506 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross_sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2106.304 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning:

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2101.034 Profile: Max WS

Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2090.203 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 2084.052 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 2065.369 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2059.555 Profile: Max WS Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. River: c04 Reach: c04_01 RS: 2053.618 Profile Multiple critical depths were found at this location. Location: River: c04 Profile: Max WS The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2048.446 Warning: Divided flow computed for this cross-section. RS: 2048.446 Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2043.059 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2036.833 Warning: Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2030.762 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2024.995 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2018.725 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1987.401 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1977.859 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1953.787 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1946.475 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1936.715 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1842.757 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1829.448 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1820.954 Warning: Divided flow computed for this cross-section. Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

sections.

c04_T020.txt Location: River: c04 Reach: c04_01 RS: 1813.255 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1786.475 Warning: Divided flow computed for this cross-section.

Profile: Max WS

Profile: Max WS

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1722.863 Profile: Max WS

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1709.279
Warning: Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 1687.325 Profile: Max WS

RS: 1687.325 Profile: Max WS Divided flow computed for this cross-section. Warning:

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1676.923 Profile: Max WS

Divided flow computed for this cross-section. Warning: Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 1670.93 Warning: Divided flow computed for this cross-section.

Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1664.857

Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 1641.549 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

River: c04 Reach: c04_01 RS: 1617.894 Divided flow computed for this cross-section. Location: River: c04 Profile: Max WS

Warning:

Location: River: c04 Reach: c04_01 RS: 1470.676 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 1458.459 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1424.906 Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 1416.218

Warning: Divided flow computed for this cross-section.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

sections. Location: River: c04 Reach: c04_01 RS: 1407.413 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 1394.403 Warning: Divided flow computed for this cross-section. Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1385.704 Profile: Max WS

Warning: Divided flow computed for this cross-section.

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

```
Location: River: c04 Reach: c04_01 RS: 1380.265 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.

This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                             RS: 1372.182
                                                                Profile: Max WS
                        Reach: c04_01
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 1364.116
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 1356.068
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 1348.032
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1320.279 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                             RS: 1310.998
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7
           or greater than 1.4.
                                   This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 1300.93 Profile: Max WS Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                             RS: 1291.417
                                                                Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                               This may
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4.
                                   This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                             RS: 1281.13
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1271.339 Warning: Divided flow computed for this cross-section.
                                                                Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                             RS: 1261.904
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 1246.187
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                             RS: 1236.362
                                                                Profile: Max WS
```

```
Warning:
           Divided flow computed for this cross-section.
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
            additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                    This may indicate the need for additional cross
sections.
                                                                  Profile: Max WS
Location: River: c04
                        Reach: c04_01
                                              RS: 1227.278
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1219.005 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 1201.05
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1181.222 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 1171.579
                                                                  Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 1144.098 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1135.446
                                                                  Profile: Max WS
                                                                  Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                              RS: 1127.217
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
                                              RS: 1118.919
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                              RS: 1110.465
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1101.792 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 1091.975
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                              RS: 1061.64
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
                                              RS: 1037.2
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                              RS: 1027.027
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           River: c04 Reach: c04_01 RS: 1006.84 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream
Location:
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                    This may indicate the need for additional cross
sections.
                                              RS: 953.1542
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01
Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 897.1331
Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01 RS: 837.0203 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
                                                                  Profile: Max WS
                        Reach: c04_01
                                              RS: 797.6135
Location: River: c04
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
                                              RS: 778.6052
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 776.0903 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
                                              RS: 772.9808
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
                                          Page 22
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conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                           RS: 767.5627
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
          Divided flow computed for this cross-section.
Warning:
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 760.6247
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 752.916
                                                             Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04
                       Reach: c04_01
                                           RS: 743.4122
                                                              Profile: Max WS
Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, water
           surface was used.
Location: River: c04
                       Reach: c04_01
                                           RS: 724.0876
                                                              Profile: Max WS
           Pier drag coefficient of 2.0 assumed for Class B flow.
Warning:
Note: Momentum answer is not valid if the water surface is above the low chord or if there is weir flow. The
           momentum answer has been disregarded.
           The downstream water surface is below the minimum elevation for
Note:
pressure flow.
                 The sluice gate
           equations were used for pressure flow.
Location: River: c04 Reach: c04_01
                                           RS: 724.0876
                                                              Profile: Max WS
Upstream
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
Location: River: c04 Reach: c04_01
                                           RS: 724.0876
                                                              Profile: Max WS
Downstream
Note:
          Multiple critical depths were found at this location. The critical
depth with the lowest, valid, water
           surface was used.
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 700.9808
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 683.5825
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
                                           RS: 674.8699
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 665.2458
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 631.8146
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 623.1107
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 614.287 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 605.4813 Profile: Max WS Warning: Divided flow computed for this cross-section.

Note: Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
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c04_T020.txt Location: River: c04 Reach: c04_01 RS: 597.0959 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 588.7498 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 RS: 580.6528 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 572.658 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 564.5325 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 556.3953 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 547.1866 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 537.7642 Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 527.8953 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 519.8442 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 512.2245 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 504.8967 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 RS: 495.4984 Profile: Max WS Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 486.0151 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 476.5905 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 467.2307 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 457.9404 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 448.7242 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 404.3676 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 396.3163 Profile: Max WS Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 388.1122 Profile: Max WS Warning: Divided flow computed for this cross-section.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 379.8456 Warning: Divided flow computed for this cross-section. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. River: c04 Reach: c04_01 RS: 371.4448 Divided flow computed for this cross-section. Location: River: c04 Profile: Max WS Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy

c04_T020.txt was used. Location: River: c04 Reach: c04_01 RS: 363.1612 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Reach: c04_01 Profile: Max WS Location: River: c04 RS: 354.8866 Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 319.5986 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 311.6534 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 284.096 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 274.2203 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 267.2491 Warning: Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 261.6568 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 248.6128 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 226.5157 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 218.3779 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 210.9854 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 204.7593 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 198.583 Profile: Max WS Warning: Divided flow computed for this cross-section. RS: 194.2112 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. RS: 187.5939 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 157.3668 Profile: Max WS Upstream The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note:

depth with the lowest, valid, water

surface was used.

Location: River: c04 Reach: c04_01 RS: 157.3668 Profile: Max WS

Downstream

Warning: The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used.

Location: River: c04 Reach: c04_01 RS: 130.4601 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

Profile: Max WS

sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 113.6822 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 105.5961 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 97.68496 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 89.85545 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 80.60821 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 71.33373 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 62.11056 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 52.93414 Profile: Max WS

Divided flow computed for this cross-section. Warning:

RS: 43.78342 Location: River: c04 Reach: c04_01

Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 34.63047 Profile: Max WS Warning: Divided flow computed for this cross-section.



Errors Warnings and Notes for Plan: Unsteady100

Location: River: c04 Reach: c04_01 RS: 5908.936 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5885.715 Profile: Max WS Culv: Culvert #1 Note: The flow in the culvert is entirely supercritical. Location: River: c04 Reach: c04_01 RS: 5875.787 Pro Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Profile: Max WS RS: 5845.364 Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 5747.176 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The energy loss was greater than $1.0 \, \text{ft} \, (0.3 \, \text{m})$. between the current and previous cross section. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5737.7 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.
Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5728.462 Profile: Max WS Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical Warning: Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5719.466 Profile: Max WS Multiple critical depths were found at this location. Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5702.954 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04 01 RS: 5656.98 Profile: Max WS Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5648.714 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5639.145 Warning: Divided flow computed for this cross-section. Profile: Max WS

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Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                            RS: 5628.988
                                                               Profile: Max WS
                       Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                            RS: 5619.856
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5600.667 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
                                            RS: 5575.57
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 5566.522
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 5557.313
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 5547.925 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 5538.494
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                       Reach: c04_01
                                            RS: 5479.807
Location: River: c04
                                                               Profile: Max WS
Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 5458.733
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 5443.915
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
          The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
          This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
Location: River: c04 Reach: c04_01 RS: 5435.078 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m).
                                                               Profile: Max WS
                                                                             This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 5380.912
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 5340.022
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 5331.825
Location: River: c04 Reach: c04 01
                                                               Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
                                                                             This may
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 5307.485
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
```

Location: River: c04 Reach: c04_01 RS: 5300.308 Warning: Divided flow computed for this cross-section. Profile: Max WS

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

This may indicate the need for additional cross or greater than 1.4. sections.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used.

River: c04 Reach: c04_01 RS: 5293.192 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Location: River: c04 Reach: c04_01 Warning: indicate the need for

additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5286.007 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5278.462 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5271.527 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04 01 RS: 5263.764 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning:

and previous cross section.

This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 5253.074 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 5205.12

Profile: Max WS Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 5077.603 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 5029.408 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 5020.318 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 5013.492 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

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or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 5006.705 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                              This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
           or greater than 1.4.
sections.
Location: River: c04 Reach: c04_01 RS: 4994.776 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
                                            RS: 4983.084
                                                               Profile: Max WS
Location: River: c04
                       Reach: c04_01
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
                                            RS: 4909.177
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4830.483 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 4802.887
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4772.409 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4754.331
                                                               Profile: Max WS
                                                               Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 4709.951
                                                               Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 4671.317
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 4664.061
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 4657.12
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 4650.141
Warning:
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 4635.865
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 4628.763
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                             This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
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sections.
Location: River: c04 Reach: c04_01
                                            RS: 4620.433
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4613.284 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 4605.735 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
           The energy loss was greater than 1.0 \, \text{ft} \, (0.3 \, \text{m}). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                            RS: 4597.183
                       Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
           or greater than 1.4.
sections.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 4589.913
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 4583.873
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 4578.237
                                                               Profile: Max WS
Warning:
           Divided flow computed \overline{f}or this cross-section.
                                            RS: 4572.182
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 4565.351
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 4550.732
                                                               Profile: Max WS
Warning: Divided flow computed .o.
Location: River: c04 Reach: c04_01 RS: 4542.731
Warning: Divided flow computed for this cross-section.

RS: 4534.842
                                                               Profile: Max WS
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}).
Warning:
                                                                             This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 4526.425
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
```

indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4517.965 Warning: Divided flow computed for this cross-section. Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

RS: 4510.044 Location: River: c04 Reach: c04_01 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 4502.642 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4498.239 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4347.144 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 4313.857 Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4265.812 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Profile: Max WS Location: River: c04 Reach: c04_01 RS: 4256.488 Warning: The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

sections. Location: River: c04 Reach: c04_01 RS: 4237.944 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4220.072 Warning: Divided flow computed for this cross-section. Profile: Max WS

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4186.204 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross Page 6

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sections.
Location: River: c04 Reach: c04_01
                                         RS: 4169.511
                                                           Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                This may indicate the need for additional cross
          or greater than 1.4.
sections.
                                         RS: 4161.231
Location: River: c04 Reach: c04_01
                                                           Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                        RS: 4153.021
                                                           Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
                                         RS: 4143.436
Location: River: c04 Reach: c04_01
                                                           Profile: Max WS
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                         RS: 4134.146
                                                           Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 4125.147 Warning: Divided flow computed for this cross-section.
                                                           Profile: Max WS
Location: River: c04 Reach: c04_01
                                        RS: 4117.022
                                                           Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 4108.916 Warning: Divided flow computed for this cross-section.
                                                           Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
          additional cross sections.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                         RS: 4100.837
                                                           Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
          The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
          This may indicate the need for additional cross sections.
          Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
          was used.
Location: River: c04 Reach: c04_01
                                         RS: 4087.44
                                                          Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
          additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
                                         RS: 4063.423
Location: River: c04 Reach: c04_01
                                                           Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                        This may
indicate the need for
          additional cross sections.
          The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
          This may indicate the need for additional cross sections.
Location: River: c04 Reach: c04_01 RS: 4057.779
                                                          Profile: Max WS
         The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
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indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

This may indicate the need for additional cross or greater than 1.4. sections.

Location: River: c04 Reach: c04_01 RS: 4051.948 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

sections.

RS: 4000.179 Profile: Max WS Location: River: c04 Reach: c04_01

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

RS: 3990.792 Location: River: c04 Reach: c04_01 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3981.557 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04 01 RS: 3972.583 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections. The energy loss was greater than 1.0 ft $(0.3\ \text{m})$. between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical

depth with the lowest, valid, energy

was used.

Location: River: c04 Reach: c04_01 RS: 3962.33 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical

depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 3952.353 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3859.836 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream

c04_T100.txt conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3820.091 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3810.452 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3791.162 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Location: River: c04 Reach: c04_01 RS: 3685.903 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3680.706 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3675.503 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. River: c04 Reach: c04_01 RS: 3668.384 Profile: Max WS
The velocity head has changed by more than 0.5 ft (0.15 m). This may Location: River: c04 Reach: c04_01 Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3661.235 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3651.773 Profile: Max WS The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3623.81 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning:

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current

and previous cross section.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3604.976 Profile: M Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3550.063 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Location: River: c04 Reach: c04_01 RS: 3446.873 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3440.677 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3421.329 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3419.338 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3416.538 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 3413.199 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3409.839 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3404.907 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 3375.382 Profile: Max WS The downstream water surface is above the minimum elevation required Note: for orifice flow. The orifice flow equation was used for pressure flow. Location: River: c04 Reach: c04 01 RS: 3375.382 Profile: Max WS Upstream Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Note: For the cross section inside the bridge at the upstream end, the water surface and energy have been projected from the upstream cross section. The selected bridge modeling method does not compute answers inside the bridge. RS: 3375.382 Profile: Max WS Location: River: c04 Reach: c04_01 Downstream Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. For the cross section inside the bridge at the downstream end, the Note: water surface and energy have been projected from the downstream cross section. The selected bridge modeling method does not compute answers inside the bridge.
River: c04 Reach: c04_01 RS: 3355.311 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3345.163 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy

c04_T100.txt was used. Location: River: c04 Reach: c04_01 RS: 3334.546 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 3323.915 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3298.186 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3289.088 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3279.968 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 3270.868 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3263.296 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 3255.636 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3247.878 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 3240.005 Divided flow computed for this cross-section. Warning: RS: 3196.383 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 3186.754 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 3173.264 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 3155.565 Profile: Max WS Location: River: c04 Reach: c04_01 The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3141.412 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.
Multiple critical depths were found at this location. The critical

depth with the lowest, valid, energy

was used.

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Location: River: c04 Reach: c04_01 RS: 3134.323 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.

This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                            RS: 3119.887
                                                               Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
                                                                             This may
indicate the need for
           additional cross sections.
Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                                               Profile: Max WS
                       Reach: c04_01
                                            RS: 3112.547
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                            RS: 3105.657
                                                               Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 3098.937
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 3090.835
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 3060.11
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 3051.727 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 3042.28
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 3034.237 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 3028.645
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 2989.109
                                                               Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 2937.749
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                            RS: 2929.917
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
                                            RS: 2926.727
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 2919.089
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 2908.352
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2899.974 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
                                            RS: 2891.551
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
Warning: Divided flow computed for this cross-section.
```

```
Location: River: c04 Reach: c04_01 RS: 2883.045 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2874.524 Warning: Divided flow computed for this cross-section.
                                                                   Profile: Max WS
                                                                  Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                                  This may
indicate the need for
            additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                    This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 2865.986 Warning: Divided flow computed for this cross-section.
                                                                   Profile: Max WS
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
                                              RS: 2857.433
           Divided flow computed for this cross-section.
The conveyance ratio (upstream conveyance divided by downstream
Warning:
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                              RS: 2838.126
Location: River: c04 Reach: c04_01
                                                                   Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
                                              RS: 2828.402
Location: River: c04
                        Reach: c04_01
                                                                   Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                                                   Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 2818.635
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 2808.826 Warning: Divided flow computed for this cross-section.
                                                                   Profile: Max WS
Location: River: c04 Reach: c04_01
                                              RS: 2799.073
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                                  This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                              RS: 2789.468
                                                                  Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
indicate the need for
            additional cross sections.
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.
           This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                              RS: 2779.978
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
            additional cross sections.
Location: River: c04 Reach: c04_01 RS: 2771.11 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
            additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
            or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                              RS: 2762.007
                                                                   Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 2752.942
Warning:
Location: River: c04 Reach: c04_01
                                                                   Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                              RS: 2743.797
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
```

```
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 2656.253 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 2649.175
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                            RS: 2643.793
                                                               Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
           or greater than 1.4.
sections.
Location: River: c04 Reach: c04_01 RS: 2638.208 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 2632.675
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross_sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                            RS: 2624.016
                                                               Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
indicate the need for
           additional cross sections.
Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
                                            RS: 2616.715
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}).
Warning:
indicate the need for
           additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                                               Profile: Max WS
                                            RS: 2609.083
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
and previous cross section.

This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                            RS: 2602.47
                                                              Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
          The energy loss was greater than 1.0 \, \text{ft} \, (0.3 \, \text{m}). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                            RS: 2578.899
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2571.063 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
```

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sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 Upstream Warning: conveyance) is less than 0.7 sections. Note: surface was used.

Profile: Max WS RS: 2543.696

The conveyance ratio (upstream conveyance divided by downstream

or greater than 1.4. This may indicate the need for additional cross

Multiple critical depths were found at this location. The critical depth with the lowest, valid, water

RS: 2543.696 Profile: Max WS Location: River: c04 Reach: c04_01 Downstream

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

Profile: Max WS RS: 2508.053 Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2487.542

Divided flow computed for this cross-section. Warning: RS: 2476.633

Location: River: c04 Reach: c04_01 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2466.399 Profile: Max WS

Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2457.297

Profile: Max WS Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2448.274 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.
Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

River: c04 Reach: c04_01 RS: 2439.814 Divided flow computed for this cross-section. Location: River: c04 Profile: Max WS

Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.
Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2430.949 Warning: Divided flow computed for this cross-section. Profile: Max WS

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2421.937 Warning: Divided flow computed for this cross-section. Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.

```
Location: River: c04 Reach: c04_01 RS: 2412.429 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2403.072
                                                              Profile: Max WS
                                                              Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 2380.393 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Warning:
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
Location: River: c04 Reach: c04_01
                                           RS: 2370.425
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m).
                                                                            This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                                              Profile: Max WS
                                           RS: 2361.797
Warning:
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
                                                                            This may
indicate the need for
           additional cross sections.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
           or greater than 1.4.
sections.
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                       Reach: c04_01
                                           RS: 2354.183
                                                              Profile: Max WS
           Multiple critical depths were found at this location.
Note:
                                                                      The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                           RS: 2344.79
                                                             Profile: Max WS
                       Reach: c04_01
Note:
           Multiple critical depths were found at this location.
                                                                      The critical
depth with the lowest, valid, energy
           was used.
                                           RS: 2335.923
                                                              Profile: Max WS
Location: River: c04
                       Reach: c04_01
Warning:
           Divided flow computed for this cross-section.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                           RS: 2327.225
                                                              Profile: Max WS
                       Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 2302.427
                                                              Profile: Max WS
          Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 2294.972
Warning:
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                           RS: 2288.042
                                                              Profile: Max WS
Location: River: c04
                       Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 2270.546
                                                              Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 2263.468
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 2248.71 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 2238.32
                                                             Profile: Max WS
Warning: Divided flow computed for this cross-section.
```

c04_T100.txt Location: River: c04 Reach: c04_01 RS: 2200.067 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2189.364 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2179.977 Profile: Max WS Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 2173.223 Warning: Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2164.565 Profile: Max WS Warning: Divided flow computed for this cross-section. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2153.234 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 RS: 2145.981 Profile: Max WS Reach: c04_01 Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2138.366 Profile: Max WS Divided flow computed for this cross-section. Warning: Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2128.86 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2118.865 Profile: Max WS Multiple critical depths were found at this location. Note: The critical depth with the lowest, valid, energy was used. Location: River: c04 RS: 2112.506 Profile: Max WS Reach: c04 01 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2106.304 Profile: Max WS Warning: Divided flow computed for this cross-section. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2101.034 Profile: Max WS Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical Warning: Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2095.712 Profile: Max WS Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2090.203 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross_sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2084.052 Profile: Max WS Multiple critical depths were found at this location. The critical Note:

Divided flow computed for this cross-section.

RS: 2074.056

The velocity head has changed by more than 0.5 ft (0.15 m). This may

Profile: Max WS

depth with the lowest, valid, energy

Location: River: c04 Reach: c04_01

additional cross sections.

was used.

indicate the need for

Warning:

Warning:

```
Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                             RS: 2065.369
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                               This may
indicate the need for
           additional cross sections.
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 2059.555 Profile Note: Multiple critical depths were found at this location.
                                                                 Profile: Max WS
                                                                         The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 2053.618 Profile Note: Multiple critical depths were found at this location.
                                                                 Profile: Max WS
                                                                         The critical
depth with the lowest, valid, energy
           was used.
           River: c04 Reach: c04_01 RS: 2048.446 Profile: Max WS Multiple critical depths were found at this location. The critical
Location: River: c04
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                             RS: 2043.059
                                                                 Profile: Max WS
                        Reach: c04_01
Note:
           Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                             RS: 2036.833
                                                                 Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
Location: River: c04 Reach: c04_01
                                             RS: 1927.875
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1921.189 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
                                             RS: 1914.505
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 1907.77
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 1900.731
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 1894.557 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 1888.414
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
                                             RS: 1882.681
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 1849.649
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 1820.954
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                               This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                    This may indicate the need for additional cross
sections.
                                             RS: 1813.255
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1805.49 Profile: Max WS

Note: Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
           was used.
```

c04_T100.txt Location: River: c04 Reach: c04_01 RS: 1795.611 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1786.475 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 RS: 1778.801 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 1770.805 Warning: Location: River: c04 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1762.891 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1740.185 Divided flow computed for this cross-section. Warning: RS: 1722.863 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1641.549 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1636.31 Divided flow computed for this cross-section. Warning: RS: 1617.894 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1590.27 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1573.352 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed 10.

Location: River: c04 Reach: c04_01 RS: 1564.906

Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 1556.437 Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 RS: 1546.923 Profile: Max WS Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1537.459 Profile: Max WS Divided flow computed for this cross-section. Warning: Reach: c04_01 Profile: Max WS Location: River: c04 RS: 1527.993 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1510.998 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 1424.906 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1416.218 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1407.413 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1394.403 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Location: River: c04 Reach: c04_01 RS: 1380.265 Profile: Max WS Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 1372.182 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed for this cross-section. Warning: RS: 1364.116 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1356.068 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1348.032 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1338.817 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1328.98 Divided flow computed for this cross-section. Warning:

```
Location: River: c04 Reach: c04_01 RS: 1320.279
Warning: Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 1310.998
Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                                 This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 1300.93 Profile: Note: Multiple critical depths were found at this location.
                                                                Profile: Max WS
                                                                          The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                              RS: 1291.417
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                              RS: 1281.13
                                                                Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 1271.339
Warning:
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                   This may indicate the need for additional cross
           or greater than 1.4.
sections.
Location: River: c04 Reach: c04_01
                                              RS: 1246.187
                                                                  Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
           River: c04 Reach: c04_01 RS: 1236.362 Profile Multiple critical depths were found at this location.
Location: River: c04
                                                                 Profile: Max WS
                                                                          The critical
Note:
depth with the lowest, valid, energy
           was used.
                                              RS: 1227.278
Location: River: c04
                        Reach: c04_01
                                                                 Profile: Max WS
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                              RS: 1219.005
                                                                  Profile: Max WS
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                              RS: 1210.208
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                              RS: 1201.05
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 1191.411 Warning: Divided flow computed for this cross-section.
                                                                  Profile: Max WS
Warning:
                                              RS: 1181.222
Location: River: c04 Reach: c04_01
                                                                  Profile: Max WS
           Divided flow computed for this cross-section.
```

Location: River: c04 Reach: c04_01

RS: 1144.098

Profile: Max WS

```
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 1135.446 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 1127.217
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 1118.919
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 1110.465
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 1101.792
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                           RS: 1082.19
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                           RS: 1027.027
Location: River: c04
                                                              Profile: Max WS
                       Reach: c04_01
Warning:
          Divided flow computed for this cross-section.
                                                              Profile: Max WS
          River: c04 Reach: c04_01
                                           RS: 1016.901
Location:
Warning:
          Divided flow computed for this cross-section.
                                           RS: 1006.84
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
Warning:
          Divided flow computed for this cross-section.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 997.2142
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 980.136
Warning: Divided flow computed Location: River: c04 Reach: c04_01 RS: 971.8196 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04
                                           RS: 941.6969
                                                              Profile: Max WS
                       Reach: c04_01
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 929.6183
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 837.0203
                                                              Profile: Max WS
          Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 797.6135
Warning:
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
                                  This may indicate the need for additional cross
           or greater than 1.4.
sections.
                                           RS: 787.8547
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 772.9808
                                                             Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
          The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}).
                                                                            This may
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 767.5627
                                                              Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                                              Profile: Max WS
                                           RS: 760.6247
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 752.916 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 743.4122
          Multiple critical depths were found at this location. The critical
Note:
```

depth with the lowest, valid, water surface was used. Reach: c04_01 RS: 724.0876 Profile: Max WS Location: River: c04 The downstream water surface is above the minimum elevation required Note: for orifice flow. The orifice flow equation was used for pressure flow. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 724.0876 **Upstream** Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. For the cross section inside the bridge at the upstream end, the water Note: surface and energy have been projected from the upstream cross section. The selected bridge modeling method does not compute answers inside the bridge. RS: 724.0876 Location: River: c04 Reach: c04_01 Profile: Max WS Downstream Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. For the cross section inside the bridge at the downstream end, the water surface is based on critical depth over the weir. The energy has been projected. Location: River: c04 Reach: c04_01 RS: 700.9808 Profi Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 692.2866 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 683.5825 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 674.8699 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 665.2458 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 656.3139 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 648.6721 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 640.3059 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 631.8146 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 623.1107 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 614.287 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 605.4813
Warning: Divided flow computed for this cross-section. Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 588.7498 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 572.658 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 564.5325 Profile: Max WS Warning: Divided flow computed ...
Location: River: c04 Reach: c04_01 RS: 556.3953
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 519.8442 Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 504.8967 Profile: Max WS

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c04_T100.txt The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Location: River: c04 Reach: c04_01 RS: 486.0151 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 476.5905 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross_sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 467.2307 Profile: Max WS

Divided flow computed for this cross-section.

Profile: Max WS Location: River: c04 Reach: c04_01 RS: 457.9404

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Location: River: c04 Reach: c04_01 RS: 448.7242 Profile: Max WS

Warning:

Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 RS: 440.3017 Profile: Max WS Reach: c04_01 Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 RS: 431.6393 Profile: Max WS Reach: c04_01 Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 413.5979 Profile: Max WS Multiple critical depths were found at this location. Note: The critical depth with the lowest, valid, energy was used.

Location: River: c04 RS: 404.3676 Profile: Max WS Reach: c04_01 Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used. Location: River: c04 Reach: c04_01 RS: 396.3163 Profile: Max WS

Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.
Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 Profile: Max WS RS: 363.1612 Divided flow computed for this cross-section.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

c04_T100.txt Location: River: c04 Reach: c04_01 RS: 354.8866 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 Profile: Max WS RS: 346.4603 Divided flow computed for this cross-section. Warning: Location: River: c04 Profile: Max WS Reach: c04_01 RS: 336.8387 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 327.5312 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 311.6534 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 274.2203 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 267.2491 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 261.6568 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 256.149 Warning: Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Reach: c04_01 RS: 248.6128 Profile: Max WS Location: River: c04 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 241.4185 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 226.5157 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 218.3779 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 210.9854 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 198.583 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 187.5939 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. RS: 157.3668 Profile: Max WS Location: River: c04 Reach: c04_01 **Upstream** Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. RS: 157.3668 Profile: Max WS Location: River: c04 Reach: c04_01 Downstream Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used.			
River: c04 Reach: c04_01	RS: 97.68496	Profile:	Max WS
Divided flow computed for	this cross-section.		
River: c04 Reach: c04_01	RS: 89.85545	Profile:	Max WS
Divided flow computed for	this cross-section.		
		Profile:	Max WS
Divided flow computed for	this cross-section.		
		Profile:	Max WS
Divided flow computed for	this cross-section.		
		Profile:	Max WS
		Profile:	Max WS
Divided flow computed for	this cross-section.		
	River: c04 Reach: c04_01 Divided flow computed for River: c04 Reach: c04_01 River: c04 Reach: c04_01	River: c04 Reach: c04_01 RS: 97.68496 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 89.85545 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 80.60821 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 43.78342 Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 34.63047 Divided flow computed for this cross-section.	River: c04 Reach: c04_01 RS: 97.68496 Profile: Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 89.85545 Profile: Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 80.60821 Profile: Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 43.78342 Profile: Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 34.63047 Profile: Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 25.52754 Profile:



Errors Warnings and Notes for Plan: Unsteady500

Location: River: c04 Reach: c04_01 RS: 5885.715 Profile: Max WS Culv: Culvert #1 The flow in the culvert is entirely supercritical. River: c04 Reach: c04_01 RS: 5875.787 Pro Note: Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 5845.364 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5803.892 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5747.176 Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The energy loss was greater than 1.0 ft $(0.3\ \text{m})$. between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5737.7 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: Warning: indicate the need for additional cross sections. The energy loss was greater than $1.0 \ \text{ft} \ (0.3 \ \text{m})$. between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Profile: Max WS Reach: c04_01 RS: 5728.462 Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5719.466 Profile: Max WS Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 5702.954 The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The energy loss was greater than 1.0 ft $(0.3\ \text{m})$. between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5656.98 Profile: Note: Multiple critical depths were found at this location. Profile: Max WS The critical depth with the lowest, valid, energy was used.

Reach: c04_01 Location: River: c04 RS: 5648.714 Profile: Max WS Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 5639.145 Warning: Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 RS: 5628.988 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 5619.856 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5600.667 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 5575.57 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5566.522 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 5547.925 Profile: Max WS Warning: Divided flow computed .c.
Location: River: c04 Reach: c04_01 RS: 5538.494
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 5479.807 Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: Reach: c04_01 RS: 5458.733 Location: River: c04 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 5443.915 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used. Location: River: c04 Reach: c04_01 RS: 5399.15 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 5380.912 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 5340.022 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 5331.825 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 5307.485 Profile: Max WS Location: River: c04 Reach: c04_01 The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. RS: 5300.308 Profile: Max WS Location: River: c04 Reach: c04_01 Note: Multiple critical depths were found at this location. depth with the lowest, valid, energy The critical was used. Location: River: c04 Reach: c04_01 RS: 5293.192 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy

c04_T500.txt was used. Location: River: c04 Reach: c04_01 RS: 5286.007 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5278.462 Profile: Max WS Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5271.527 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5263.764 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Warning: The energy loss was greater than $1.0 \, \text{ft} \, (0.3 \, \text{m})$. between the current and previous cross section. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 5253.074 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 5205.12 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 5120.344 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 5085.711 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 5029.408 Location: River: c04 Reach: c04_01 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5013.492 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 5006.705 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 4989.564 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 4983.084 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross

sections.
Location: River: c04 Reach: c04_01 RS: 4975.556 Profile: Max WS Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 4909.177 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream

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conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
                                             RS: 4830.483
                                                                Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 4820.855
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                            RS: 4802.887
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4793.596 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4763.494
                                                                Profile: Max WS
                                                                Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 4754.331
                                                                Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4718.422 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4709.951
                                                                Profile: Max WS
                                                                Profile: Max WS
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                             RS: 4671.317
                                                                Profile: Max WS
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
                                             RS: 4664.061
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 4657.12 Warning: Divided flow computed for this cross-section.
                                                               Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 4650.141
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 4628.763
                                                                Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.

This may indicate the need for additional cross sections.

Of Desch. 604 01 RS: 4620.433 Profile: M
Location: River: c04 Reach: c04_01 RS: 4620.433 Warning: Divided flow computed for this cross-section.
                                                                Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01
                                             RS: 4613.284
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
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c04_T500.txt
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                                                               Profile: Max WS
                       Reach: c04_01
                                            RS: 4605.735
           Divided flow computed for this cross-section.
Warning:
Warning:
           The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}). This may
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4.  This may indicate the need for additional cross
sections.
           The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
Multiple critical depths were found at this location. Th
                                                                      The critical
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 4597.183 Warning: Divided flow computed for this cross-section.
                                            RS: 4597.183
                                                              Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4.
                                  This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
                                            RS: 4589.913
          Divided flow computed for this cross-section.
Warning:
                                            RS: 4583.873
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                            RS: 4578.237
                                                               Profile: Max WS
Location: River: c04
                       Reach: c04_01
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 4572.182
                                                               Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
                       Reach: c04_01
Location: River: c04
                                            RS: 4565.351
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                            RS: 4550.732
                                                               Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
                                            RS: 4542.731
Location: River: c04 Reach: c04_01
                                                               Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 4534.842 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). T
                                                                             This may
indicate the need for
           additional cross sections.
           The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                            RS: 4526.425
                                                              Profile: Max WS
           The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}).
Warning:
indicate the need for
           additional cross sections.
                                                              Profile: Max WS
          River: c04 Reach: c04_01 RS: 4517.965
Divided flow computed for this cross-section.
Location: River: c04
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Warning:
           The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
          The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.

This may indicate the need for additional cross sections.
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depth with the lowest, valid, energy

was used.

Multiple critical depths were found at this location. The critical

c04_T500.txt Location: River: c04 Reach: c04_01 RS: 4510.044 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 Profile: Max WS RS: 4502.642 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 4498.239 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 4448.081 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4424.28 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4322.196 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 4294.513 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 4265.812 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4256.488 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 4247.207 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 4237.944 Warning: Divided flow computed for this cross-section. Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 4228.987 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 4220.072 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 4194.354 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 4169.511 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

RS: 4153.021 Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 4153.021 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning:

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

RS: 4143.436 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

This may indicate the need for additional cross or greater than 1.4. sections.

Location: River: c04 Reach: c04_01 RS: 4125.147 Profile: Max WS

Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Location: River: c04 RS: 4117.022 Profile: Max WS Reach: c04_01

Divided flow computed \overline{f} or this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 4108.916 Profile: Max WS

Warning:

Divided flow computed for this cross-section.

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream

conveyance) is less than 0.7

Warning:

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4100.837 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 4094.198 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections. Location: River: c04 Reach: c04_01 RS: 4087.44 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4063.423 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for

additional cross sections. The energy loss was greater than 1.0 ft $(0.3\ \text{m})$. between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

RS: 4057.779 Location: River: c04 Reach: c04_01 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 4051.948 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

RS: 4000.179 Profile: Max WS Location: River: c04 Reach: c04_01

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross

sections.

RS: 3990.792 Location: River: c04 Reach: c04_01 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for

additional cross sections. Location: River: c04 Reach: c04_01 RS: 3981.557 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 3972.583 Profile: Max WS

Warning:

Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning:

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 3962.33 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than $1.0 \, \text{ft} \, (0.3 \, \text{m})$. between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 3952.353 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3859.836 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

c04_T500.txt RS: 3820.091 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3810.452 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3685.903 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3680.706 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3675.503 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Profile: Max WS This mav indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3668.384 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3661.235 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3651.773 Profile: Max WS Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3623.81 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3604.976 Profile: Max WS

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

indicate the need for

additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current

and previous cross section.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 3550.063 Profile: Max WS

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

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or greater than 1.4. This may indicate the need for additional cross
sections.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 3462.723
          Divided flow computed for this cross-section.
Warning:
                       Reach: c04_01
Location: River: c04
                                            RS: 3454.819
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04
                       Reach: c04_01
                                            RS: 3440.677
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 3421.329
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 3419.338 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                            RS: 3416.538
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 3413.199 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 3409.839
                                                              Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 3404.907 Profile: Max WS Note: Multiple critical depths were found at this location. The critical
depth with the lowest, valid, water
           surface was used.
                                                              Profile: Max WS
                       Reach: c04_01
                                           RS: 3375.382
Location: River: c04
Note:
          The downstream water surface is above the minimum elevation required
for orifice flow. The orifice
           flow equation was used for pressure flow.
Location: River: c04
                       Reach: c04_01
                                           RS: 3375.382
                                                              Profile: Max WS
Upstream
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
           For the cross section inside the bridge at the upstream end, the water
Note:
surface and energy have been
           projected from the upstream cross section. The selected bridge
modeling method does not compute
           answers inside the bridge.
                                                              Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 3375.382
Downstream
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
           surface was used.
Note:
           For the cross section inside the bridge at the downstream end, the
water surface is based on critical
           depth over the weir. The energy has been projected.
Location: River: c04 Reach: c04_01 RS: 3355.311 Warning: Divided flow computed for this cross-section.
                                                              Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Location: River: c04 Reach: c04_01
                                           RS: 3345.163
                                                              Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
          River: c04 Reach: c04_01 RS: 3334.546 Divided flow computed for this cross-section.
Location: River: c04
                                                              Profile: Max WS
Warning:
          The velocity head has changed by more than 0.5 \text{ ft } (0.15 \text{ m}).
Warning:
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
           or greater than 1.4. This may indicate the need for additional cross
sections.
          The energy loss was greater than 1.0 ft (0.3 m). between the current
Warning:
and previous cross section.
           This may indicate the need for additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
```

```
was used.
Location: River: c04
                      Reach: c04_01
                                                             Profile: Max WS
                                           RS: 3323.915
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 3314.928
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 3289.088
                                                             Profile: Max WS
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 3270.868
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
additional cross sections.
Location: River: c04 Reach: c04_01
                                           RS: 3263.296
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 3255.636
                                                             Profile: Max WS
          Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
Warning:
indicate the need for
          additional cross sections.
          The energy loss was greater than 1.0 \ \text{ft} \ (0.3 \ \text{m}). between the current
Warning:
and previous cross section.

This may indicate the need for additional cross sections.
Location: River: c04 Reach: c04_01
                                          RS: 3247.878
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 3212.244
Warning:
          Divided flow computed for this cross-section.
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                           RS: 3205.224
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 3186.754
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                           RS: 3179.857
                                                             Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                           RS: 3173.264
                                                             Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                           RS: 3164.312
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
Location: River: c04
                      Reach: c04_01
                                           RS: 3155.565
                                                             Profile: Max WS
          The velocity head has changed by more than 0.5 ft (0.15 \text{ m}).
Warning:
                                                                           This mav
indicate the need for
additional cross sections.
Location: River: c04 Reach: c04_01
                                           RS: 3149.004
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
          Multiple critical depths were found at this location. The critical
depth with the lowest, valid, energy
          was used.
Location: River: c04 Reach: c04_01 RS: 3141.412 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
```

c04_T500.txt Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Profile: Max WS Reach: c04_01 RS: 3134.323 Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. Th The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 3126.618 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 RS: 3119.887 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 3112.547 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. RS: 3105.657 Profile: Max WS Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 3098.937 Profile: Max WS Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 3074.083
Warning: Divided flow computed for this cross-section. Profile: Max WS

Location: River: c04 Reach: c04_01 RS: 3042.28 Warning: Divided flow computed for this cross-section. Profile: Max WS

RS: 3028.645

Profile: Max WS Location: River: c04 Reach: c04_01

Divided flow computed \overline{f} or this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2989.109 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2937.749 Profile: Max WS

Divided flow computed for this cross-section. Warning:

RS: 2929.917 Location: River: c04 Reach: c04_01 Profile: Max WS

Warning: Divided flow computed for this cross-section.

c04_T500.txt Location: River: c04 Reach: c04_01 RS: 2926.727 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2919.089 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 2908.352 Location: River: c04 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2899.974 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 2891.551 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2883.045 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2874.524 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This mav indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 2865.986 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2857.433 Profile: Max WS Divided flow computed for this cross-section.
The conveyance ratio (upstream conveyance divided by downstream Warning: Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 2838.126 Profile: Max WS Location: River: c04 Reach: c04_01 Divided flow computed \overline{f} or this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2828.402 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2818.635 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2808.826 Warning: Divided flow computed for this cross-section. Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2799.073 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 2789.468 Profile: Max Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Profile: Max WS This may indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2779.978 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Warning: indicate the need for additional cross_sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2771.11 Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

c04_T500.txt additional cross sections. Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2762.007 Divided flow computed for this cross-section. Warning: RS: 2752.942 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2743.797 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2690.806 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2673.094 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2664.371 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2649.175 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2643.793 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 2638.208 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2632.675 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2624.016 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross_sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2616.715 Profile: Max WS Warning: Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This mav indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2609.083 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current

and previous cross section.

This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used.

Location: River: c04 Reach: c04_01 RS: 2602.47 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used.

Location: River: c04 Reach: c04_01 RS: 2571.063 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

Location: River: c04 Reach: c04_01 RS: 2543.696 Profile: Max WS Upstream

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

Location: River: c04 Reach: c04_01 RS: 2543.696 Profile: Max WS Downstream

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used. Location: River: c04 Reach: c04_01 RS: 2508.053 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Profile: Max WS

River: c04 Reach: c04_01 RS: 2487.542 Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2476.633 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 2466.399 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 2457.297 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2448.274 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.
Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

RS: 2439.814 Location: River: c04 Reach: c04_01 Profile: Max WS

Warning: Divided flow computed for this cross-section.

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Note: Multiple critical depths were found at this location. The critical

depth with the lowest, valid, energy

was used.

River: c04 Reach: c04_01 RS: 2430.949 Divided flow computed for this cross-section. Location: River: c04 Profile: Max WS

Warning:

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2421.937 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2403.072 Profile: Max WS

Warning:

Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning:

conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 2380.393 Profile: Max WS

Warning: Divided flow computed for this cross-section.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used.

Location: River: c04

Warning:

River: c04 Reach: c04_01 RS: 2370.425 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. Note: The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2361.797 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Warning: The energy loss was greater than 1.0 ft (0.3 m). between the current and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy

was used.

RS: 2354.183 Profile: Max WS Location: River: c04 Reach: c04_01

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2344.79 Profile: Max WS Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2335.923 Profile: Max WS Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2327.225 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2294.972 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2288.042 Profile: Max WS Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 2279.54/
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 2270.546 Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2263.468 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 2258.122 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 2248.71 Profile: Max WS Warning: Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 2164.565 Profile: Max WS

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2153.234 Warning: Divided flow computed for this cross-section. Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2145.981 Profile Note: Multiple critical depths were found at this location. Profile: Max WS The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2138.366 Warning: Divided flow computed for this cross-section. Profile: Max WS Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2128.86 Profile: Note: Multiple critical depths were found at this location. Profile: Max WS The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 2118.865 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 RS: 2112.506 Profile: Max WS Reach: c04_01 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. River: c04 Reach: c04_01 RS: 2106.304 Profile: Max WS Multiple critical depths were found at this location. The critical Location: River: c04 Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 Profile: Max WS RS: 2101.034 Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. RS: 2095.712 Profile: Max WS Location: River: c04 Reach: c04_01 Multiple critical depths were found at this location. The critical Note: Page 17

RS: 2090.203

Profile: Max WS

depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for depth with the lowest, valid, energy was used.

additional cross sections.
Multiple critical depths were found at this location. The critical

River: c04 Reach: c04_01 RS: 2084.052 Profile: Max WS Multiple critical depths were found at this location. The critical RS: 2084.052 Location: River: c04 depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2074.056 Profile: Max WS

Warning:

Divided flow computed for this cross-section.
The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Note: Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2065.369 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for

additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2059.555 Warning: Divided flow computed for this cross-section. Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used.

Location: River: c04 RS: 2053.618 Profile: Max WS Reach: c04_01 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2048.446 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Profile: Max WS Location: River: c04 Reach: c04_01 RS: 2043.059 Multiple critical depths were found at this location. Note: The critical depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 2036.833 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Location: River: c04 Reach: c04 01 RS: 1900.731 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 1894.557 Profile: Max WS

Profile: Max WS

Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 1869.556
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 1862.556 Profile: Max WS

Divided flow computed for this cross-section.

Location: River: c04 Reach: c04_01 RS: 1820.954 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1813.255 The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1805.49 Profile: Note: Multiple critical depths were found at this location. Profile: Max WS The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 1786.475 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1778.801 Divided flow computed for this cross-section. Warning: RS: 1770.805 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1722.863 Warning: Divided flow computed for this cross-section. Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. Profile: Max WS RS: 1641.549 Location: River: c04 Reach: c04_01 The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 This may indicate the need for additional cross or greater than 1.4. sections. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1636.31 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 1617.894 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1590.27 Profile: Max WS Warning: Divided flow computed for this cross-section. RS: 1581.8 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1573.352 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1564.906 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1556.437 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 1546.923 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1537.459 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1527.993 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1442.07 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1433.716 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1424.906 Location: River: c04 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1416.218 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1407.413 Profile: Max WS Warning: Divided flow computed ...
Location: River: c04 Reach: c04_01 RS: 1394.403
Warning: Divided flow computed for this cross-section.

C04 Reach: c04_01 RS: 1385.704 Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1380.265 Location: River: c04 Reach: c04_01 Profile: Max WS

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c04_T500.txt Divided flow computed for this cross-section. Warning: The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1338.817 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1320.279 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1310.998 Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1300.93 Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 1291.417 Profile: Max WS Divided flow computed for this cross-section. The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: Warning: indicate the need for additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 1281.13 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1271.339 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1246.187 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 1236.362 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. RS: 1227.278 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning:

additional cross sections. The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

indicate the need for

Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy

was used. Location: River: c04 Reach: c04_01 RS: 1219.005 Profile: Max WS Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Reach: c04_01 Profile: Max WS Location: River: c04 RS: 1210.208 Divided flow computed for this cross-section. Warning: Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 1201.05 Profile: Max WS Divided flow computed for this cross-section. Warning: RS: 1191.411 Profile: Max WS Location: River: c04 Reach: c04_01 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1181.222 Profile: Max WS Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 1171.579 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 1161.817 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1144.098 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1135.446 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1127.217 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1118.919 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1110.465 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1101.792 Profile: Max WS Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 1071.565 Warning: Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 Profile: Max WS RS: 1061.64 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1043.748 Warning: Divided flow computed for this cross-section. Profile: Max WS RS: 1037.2 Location: River: c04 Reach: c04_01 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 1016.901 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 1006.84 Profile: Max WS Divided flow computed for this cross-section. Warning: Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Location: River: c04 Reach: c04_01 RS: 997.2142 Profile: Max WS Warning: Divided flow computed for this cross-section. RS: 988.2714 Location: River: c04 Reach: c04_01 Profile: Max WS Warning: Divided flow computed 10.
Location: River: c04 Reach: c04_01 RS: 980.136
Warning: Divided flow computed for this cross-section. Profile: Max WS Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 837.0203 Profile: Max WS Divided flow computed for this cross-section. Warning: Profile: Max WS Location: River: c04 Reach: c04_01 RS: 815.8441 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 797.6135 Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. RS: 787.8547 Location: River: c04 Reach: c04_01 Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: Page 21

indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7

This may indicate the need for additional cross or greater than 1.4. sections.

Location: River: c04 Reach: c04_01 RS: 776.0903 Profile: Max WS

The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for

additional cross sections.

The energy loss was greater than 1.0 ft (0.3 m). between the current Warning: and previous cross section.

This may indicate the need for additional cross sections.

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used.

Location: River: c04 Reach: c04_01 RS: 772.9808 Profile: Max WS

Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 767.5627 Profile: Max WS

Divided flow computed for this cross-section. Warning:

Warning: The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

or greater than 1.4. This may indicate the need for additional cross sections.

Location: River: c04 Reach: c04_01 RS: 760.6247 Warning: Divided flow computed for this cross-section. Location: River: c04 Reach: c04_01 RS: 752.916 Profile: Max WS

Profile: Max WS

Divided flow computed for this cross-section. Warning:

Location: River: c04 Reach: c04_01 RS: 743.4122 Profile: Max WS Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

Location: River: c04 Reach: c04_01 RS: 724.0876 Profile: Max WS The downstream water surface is above the minimum elevation required Note: for orifice flow. The orifice

flow equation was used for pressure flow.

Location: River: c04 Reach: c04_01 RS: 724.0876 Profile: Max WS Upstream

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water surface was used.

For the cross section inside the bridge at the upstream end, the water Note: surface and energy have been

projected from the upstream cross section. The selected bridge modeling method does not compute

answers inside the bridge.

RS: 724.0876 Profile: Max WS Location: River: c04 Reach: c04_01 Downstream

Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, water

surface was used. Note: For the cross section inside the bridge at the downstream end, the water surface and energy are

based on critical depth over the weir.

Location: River: c04 Reach: c04_01 RS: 700.9808 Profile: Max WS

Divided flow computed for this cross-section. Warning:

The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for

additional cross sections.

The conveyance ratio (upstream conveyance divided by downstream conveyance) is less than 0.7

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or greater than 1.4. This may indicate the need for additional cross
sections.
                                             RS: 692.2866
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 683.5825
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 674.8699
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 665.2458
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
                                             RS: 656.3139
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 648.6721
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 640.3059 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
                                             RS: 631.8146
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 623.1107 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 614.287
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
                        Reach: c04_01
                                             RS: 605.4813
                                                                 Profile: Max WS
Location: River: c04
Warning: Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01 RS: 597.0959
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 588.7498
                                                                 Profile: Max WS
           Divided flow computed for this cross-section. River: c04 Reach: c04_01 RS: 572.658
Warning:
Location: River: c04 Reach: c04_01
                                                                Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 564.5325
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 556.3953 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Location: River: c04 Reach: c04_01
                                             RS: 547.1866
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 537.7642 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
           The velocity head has changed by more than 0.5 ft (0.15 m).
                                                                                This may
Warning:
indicate the need for
           additional cross sections.
           River: c04 Reach: c04_01 RS: 527.8953 Divided flow computed for this cross-section.
Location: River: c04
                                                                 Profile: Max WS
Warning:
Location: River: c04 Reach: c04_01
                                             RS: 504.8967
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
                                             RS: 495.4984
Location: River: c04 Reach: c04_01
                                                                 Profile: Max WS
Warning:
           Divided flow computed for this cross-section.
Location: River: c04 Reach: c04_01
                                             RS: 486.0151
                                                                 Profile: Max WS
           Multiple critical depths were found at this location.
                                                                         The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04 Reach: c04_01 RS: 476.5905 Profile: Max WS Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may
indicate the need for
           additional cross sections.
           Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, energy
           was used.
Location: River: c04
                        Reach: c04_01
                                             RS: 467.2307
                                                                 Profile: Max WS
           Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01 RS: 457.9404 Warning: Divided flow computed for this cross-section.
                                                                 Profile: Max WS
Warning:
           The velocity head has changed by more than 0.5 ft (0.15 m). This may
Warning:
indicate the need for
           additional cross sections.
```

Location: River: c04 Reach: c04_01 RS: 448.7242 Profile: Max WS Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 440.3017 Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Profile: Max WS Reach: c04_01 RS: 431.6393 Warning: Divided flow computed for this cross-section. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 422.7309 Warning: Divided flow computed for this cross-section. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 413.5979 Warning: Divided flow computed for this cross-section. Profile: Max WS The velocity head has changed by more than 0.5 ft (0.15 m). This may Warning: indicate the need for additional cross sections. Warning: The energy loss was greater than $1.0 \, \text{ft} \, (0.3 \, \text{m})$. between the current and previous cross section. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 404.3676 Profile: Max WS Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). Warning: This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 396.3163 Profile: Max WS Warning: Divided flow computed for this cross-section. Warning: The velocity head has changed by more than 0.5 ft (0.15 m). This may indicate the need for additional cross sections. The conveyance ratio (upstream conveyance divided by downstream Warning: conveyance) is less than 0.7 or greater than 1.4. This may indicate the need for additional cross sections. Multiple critical depths were found at this location. The critical Note: depth with the lowest, valid, energy was used. Location: River: c04 Reach: c04_01 RS: 363.1612 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 354.8866 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 336.8387 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 Reach: c04_01 RS: 311.6534 Warning: Divided flow computed for this cross-section. Profile: Max WS Location: River: c04 RS: 303.8238 Profile: Max WS Reach: c04_01 Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 293.8178 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 284.096 Profile: Max WS Divided flow computed for this cross-section. Warning: Location: River: c04 Reach: c04_01 RS: 274.2203 Warning: Divided flow computed for this cross-section. Profile: Max WS The conveyance ratio (upstream conveyance divided by downstream Warning:

This may indicate the need for additional cross

conveyance) is less than 0.7

or greater than 1.4.

```
sections.
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
                                          RS: 267.2491
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 261.6568
                                                             Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 256.149
                                                            Profile: Max WS
Warning:
          Divided flow computed for this cross-section.
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 248.6128 Warning: Divided flow computed for this cross-section.
                                                             Profile: Max WS
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
                                          RS: 241.4185
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4.
                                 This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 233.536
                                                            Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01 RS: 226.5157 Profile: Max WS Warning: The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
                                          RS: 218.3779
                                                             Profile: Max WS
Location: River: c04 Reach: c04_01
          Divided flow computed for this cross-section.
Warning:
Location: River: c04 Reach: c04_01
                                          RS: 198.583
                                                            Profile: Max WS
          Divided flow computed for this cross-section.
Warning:
Warning:
          The conveyance ratio (upstream conveyance divided by downstream
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
Location: River: c04 Reach: c04_01
                                          RS: 194.2112
                                                             Profile: Max WS
          The conveyance ratio (upstream conveyance divided by downstream
Warning:
conveyance) is less than 0.7
          or greater than 1.4. This may indicate the need for additional cross
sections.
          River: c04 Reach: c04_01 RS: 187.5939 Profile: Max WS Multiple critical depths were found at this location. The critical
Location: River: c04
Note:
depth with the lowest, valid, water
          surface was used.
                                          RS: 157.3668
Location: River: c04 Reach: c04_01
                                                             Profile: Max WS
          The downstream water surface is below the minimum elevation for
Note:
pressure flow.
                The sluice gate
          equations were used for pressure flow.
Location: River: c04 Reach: c04_01
                                          RS: 157.3668
                                                             Profile: Max WS
Upstream
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
          surface was used.
Location: River: c04 Reach: c04_01
                                          RS: 157.3668
                                                             Profile: Max WS
Downstream
          Multiple critical depths were found at this location. The critical
Note:
depth with the lowest, valid, water
          surface was used.
Location: River: c04 Reach: c04_01
                                          RS: 80.60821
                                                             Profile: Max WS
Warning: Divided flow computed for this cross-section.
```