

## Proposed Condition with Pond and Culverts

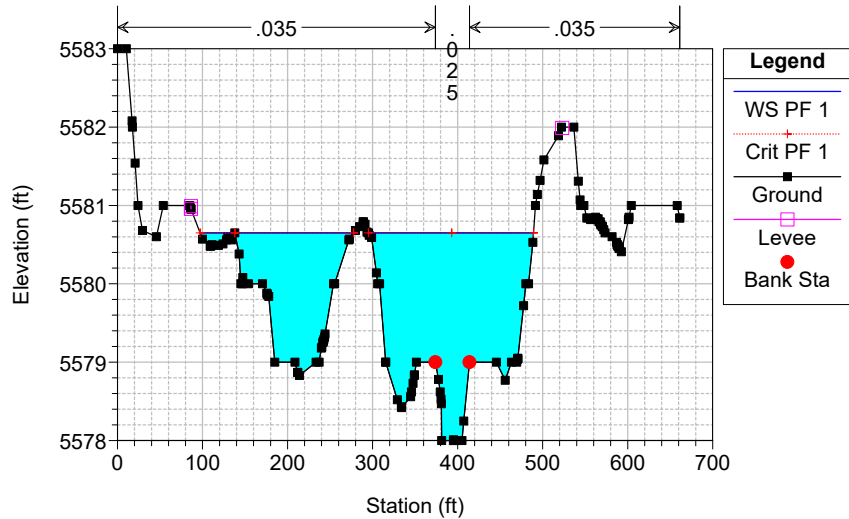
HEC-RAS Plan: Plan 82 River: From DS Reach: From DS Profile: PF 1

| Reach   | River Sta | Profile | Q Total<br>(cfs) | Min Ch El<br>(ft) | W.S. Elev<br>(ft) | Crit W.S.<br>(ft) | E.G. Elev<br>(ft) | E.G. Slope<br>(ft/ft) | Vel Chnl<br>(ft/s) | Flow Area<br>(sq ft) | Top Width<br>(ft) | Froude # Chl |
|---------|-----------|---------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|--------------|
| From DS | 1880.1    | PF 1    | 3090.00          | 5578.00           | 5580.65           | 5580.65           | 5581.59           | 0.010833              | 11.04              | 480.38               | 374.74            | 1.26         |
| From DS | 1792.49   | PF 1    | 3090.00          | 5575.28           | 5577.40           | 5578.22           | 5579.89           | 0.027793              | 13.43              | 279.11               | 281.13            | 1.88         |
| From DS | 1657.47   | PF 1    | 3090.00          | 5571.00           | 5573.57           | 5574.32           | 5576.17           | 0.027070              | 14.10              | 290.24               | 280.79            | 1.89         |
| From DS | 1567.85   | PF 1    | 3090.00          | 5568.68           | 5573.59           | 5571.79           | 5573.78           | 0.000647              | 4.12               | 1030.75              | 319.65            | 0.34         |
| From DS | 1508.52   | PF 1    | 3090.00          | 5567.37           | 5572.82           | 5571.30           | 5573.68           | 0.000483              | 7.42               | 416.31               | 506.92            | 0.58         |
| From DS | 1508.00   |         | Culvert          |                   |                   |                   |                   |                       |                    |                      |                   |              |
| From DS | 1454.61   | PF 1    | 3090.00          | 5565.37           | 5569.49           | 5569.49           | 5571.27           | 0.006064              | 10.71              | 288.58               | 219.67            | 1.01         |
| From DS | 1381.28   | PF 1    | 3090.00          | 5563.71           | 5566.08           | 5567.33           | 5569.83           | 0.030496              | 15.54              | 198.90               | 106.17            | 2.00         |
| From DS | 1354.1    | PF 1    | 3090.00          | 5563.00           | 5565.19           | 5566.44           | 5568.98           | 0.031639              | 16.04              | 200.82               | 105.16            | 2.07         |
| From DS | 1323.43   | PF 1    | 3090.00          | 5562.00           | 5564.39           | 5565.64           | 5568.04           | 0.027567              | 15.55              | 205.28               | 105.75            | 1.95         |
| From DS | 1297.14   | PF 1    | 3090.00          | 5561.00           | 5563.44           | 5564.55           | 5567.24           | 0.033305              | 16.12              | 203.68               | 116.40            | 2.11         |
| From DS | 1274.91   | PF 1    | 3090.00          | 5560.00           | 5562.36           | 5563.59           | 5566.47           | 0.038248              | 16.68              | 192.78               | 109.38            | 2.24         |
| From DS | 1254.2    | PF 1    | 3090.00          | 5559.00           | 5561.87           | 5563.05           | 5565.69           | 0.030473              | 15.69              | 197.06               | 105.74            | 2.02         |
| From DS | 1238.15   | PF 1    | 3090.00          | 5558.00           | 5560.95           | 5562.18           | 5565.18           | 0.028405              | 17.55              | 200.18               | 95.35             | 2.02         |
| From DS | 1207.37   | PF 1    | 3090.00          | 5557.00           | 5559.81           | 5561.22           | 5564.21           | 0.027938              | 16.89              | 186.70               | 87.41             | 1.97         |
| From DS | 1174.73   | PF 1    | 3090.00          | 5556.00           | 5558.82           | 5559.83           | 5563.30           | 0.027292              | 18.10              | 213.25               | 132.71            | 2.01         |
| From DS | 1130.17   | PF 1    | 3090.00          | 5555.00           | 5558.13           | 5559.37           | 5562.13           | 0.022063              | 16.63              | 209.66               | 102.81            | 1.81         |
| From DS | 1089.42   | PF 1    | 3090.00          | 5553.00           | 5555.65           | 5557.04           | 5560.71           | 0.052414              | 18.03              | 171.41               | 103.88            | 2.46         |
| From DS | 1047.06   | PF 1    | 3090.00          | 5551.93           | 5554.39           | 5555.59           | 5558.47           | 0.040678              | 16.21              | 192.00               | 116.01            | 2.17         |
| From DS | 999.65    | PF 1    | 3090.00          | 5550.58           | 5552.98           | 5554.19           | 5556.80           | 0.028002              | 15.67              | 197.17               | 99.18             | 1.96         |
| From DS | 953.12    | PF 1    | 3090.00          | 5545.20           | 5546.99           | 5548.45           | 5552.22           | 0.045918              | 18.33              | 168.54               | 94.00             | 2.41         |
| From DS | 918.65    | PF 1    | 3090.00          | 5544.00           | 5546.18           | 5546.53           | 5547.81           | 0.011793              | 10.26              | 301.18               | 149.85            | 1.28         |
| From DS | 860       | PF 1    | 3090.00          | 5539.00           | 5544.36           | 5542.06           | 5544.71           | 0.000890              | 4.75               | 650.06               | 146.68            | 0.40         |
| From DS | 793       | PF 1    | 3090.00          | 5537.00           | 5544.26           | 5540.84           | 5544.48           | 0.000444              | 3.77               | 819.02               | 155.31            | 0.29         |
| From DS | 683.29    | PF 1    | 3090.00          | 5537.00           | 5543.76           | 5541.24           | 5544.23           | 0.000997              | 5.49               | 562.43               | 110.55            | 0.43         |
| From DS | 651       |         | Inl Struct       |                   |                   |                   |                   |                       |                    |                      |                   |              |
| From DS | 561.38    | PF 1    | 3090.00          | 5535.63           | 5541.07           | 5539.03           | 5541.47           | 0.000931              | 5.11               | 605.21               | 153.27            | 0.45         |
| From DS | 495       |         | Culvert          |                   |                   |                   |                   |                       |                    |                      |                   |              |
| From DS | 430       | PF 1    | 3090.00          | 5530.85           | 5539.35           | 5534.62           | 5539.63           | 0.000378              | 4.25               | 727.64               | 90.08             | 0.26         |
| From DS | 392.85    | PF 1    | 3090.00          | 5530.22           | 5537.75           | 5537.75           | 5539.24           | 0.004717              | 10.25              | 358.47               | 129.90            | 0.89         |
| From DS | 374.73    | PF 1    | 3090.00          | 5529.80           | 5535.85           | 5536.83           | 5538.93           | 0.011956              | 14.23              | 231.87               | 94.17             | 1.37         |
| From DS | 346.75    | PF 1    | 3090.00          | 5529.24           | 5534.61           | 5535.77           | 5538.29           | 0.022622              | 15.44              | 202.20               | 88.85             | 1.78         |
| From DS | 299.48    | PF 1    | 3090.00          | 5528.29           | 5533.03           | 5534.39           | 5537.26           | 0.019183              | 17.17              | 216.69               | 127.13            | 1.72         |
| From DS | 249.63    | PF 1    | 3090.00          | 5527.21           | 5531.61           | 5532.96           | 5536.16           | 0.024038              | 17.86              | 213.60               | 147.89            | 1.89         |
| From DS | 189.79    | PF 1    | 3090.00          | 5526.10           | 5529.86           | 5531.17           | 5534.61           | 0.025064              | 18.57              | 225.23               | 184.84            | 1.96         |
| From DS | 151.07    | PF 1    | 3090.00          | 5525.32           | 5528.78           | 5530.00           | 5533.32           | 0.027034              | 19.03              | 231.45               | 164.66            | 2.03         |
| From DS | 115.47    | PF 1    | 3090.00          | 5524.60           | 5527.86           | 5528.98           | 5532.29           | 0.026208              | 18.42              | 234.99               | 181.72            | 1.98         |
| From DS | 41.45     | PF 1    | 3090.00          | 5521.88           | 5524.97           | 5526.36           | 5529.96           | 0.033327              | 19.60              | 203.07               | 127.02            | 2.21         |

La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

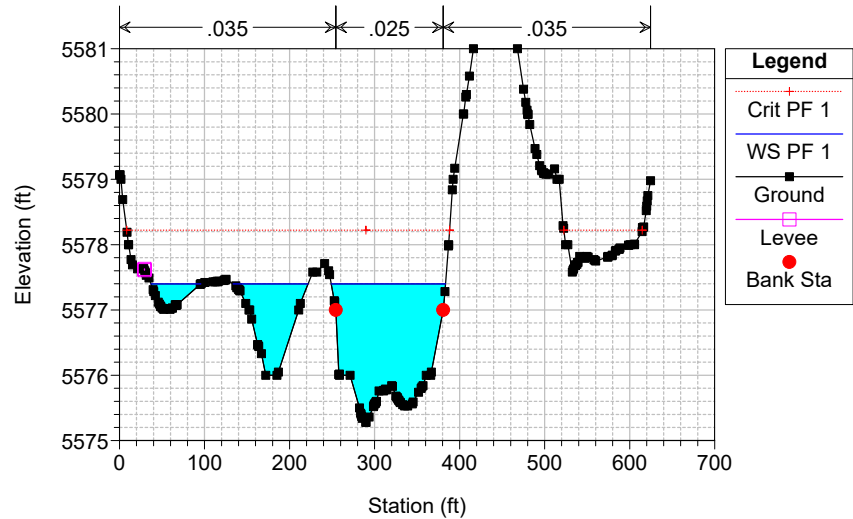
River = From DS Reach = From DS RS = 1880.1



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

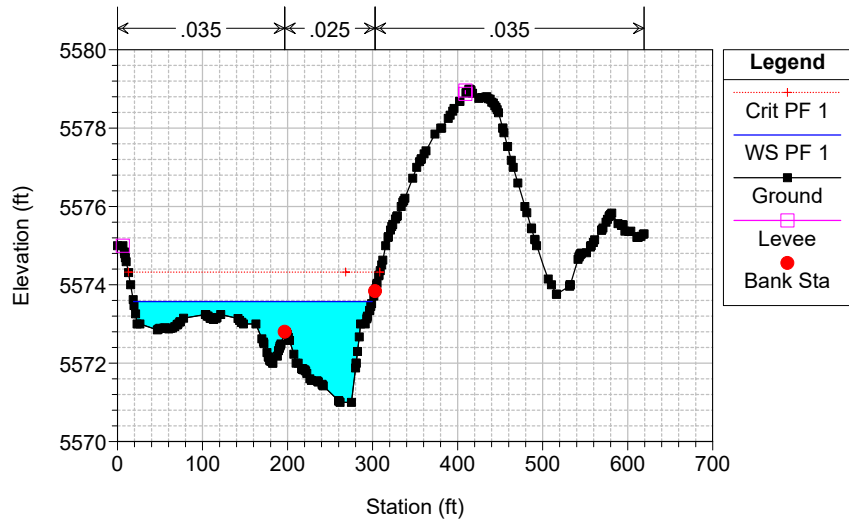
River = From DS Reach = From DS RS = 1792.49



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

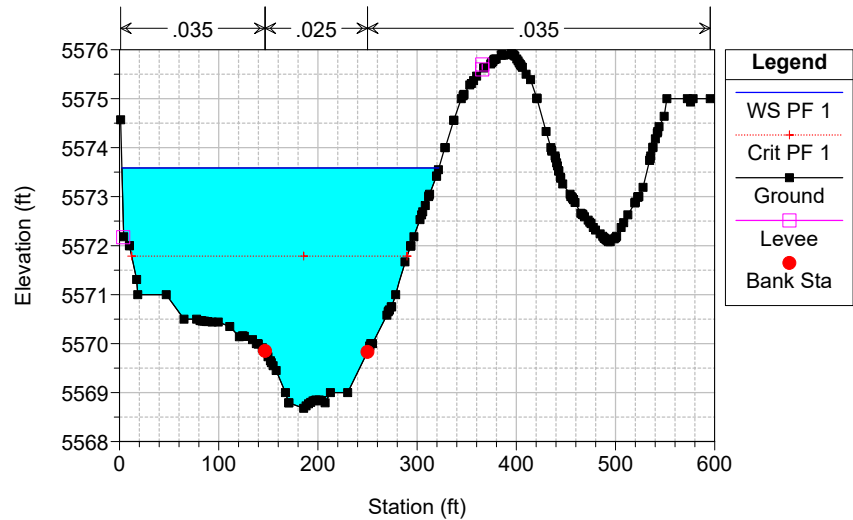
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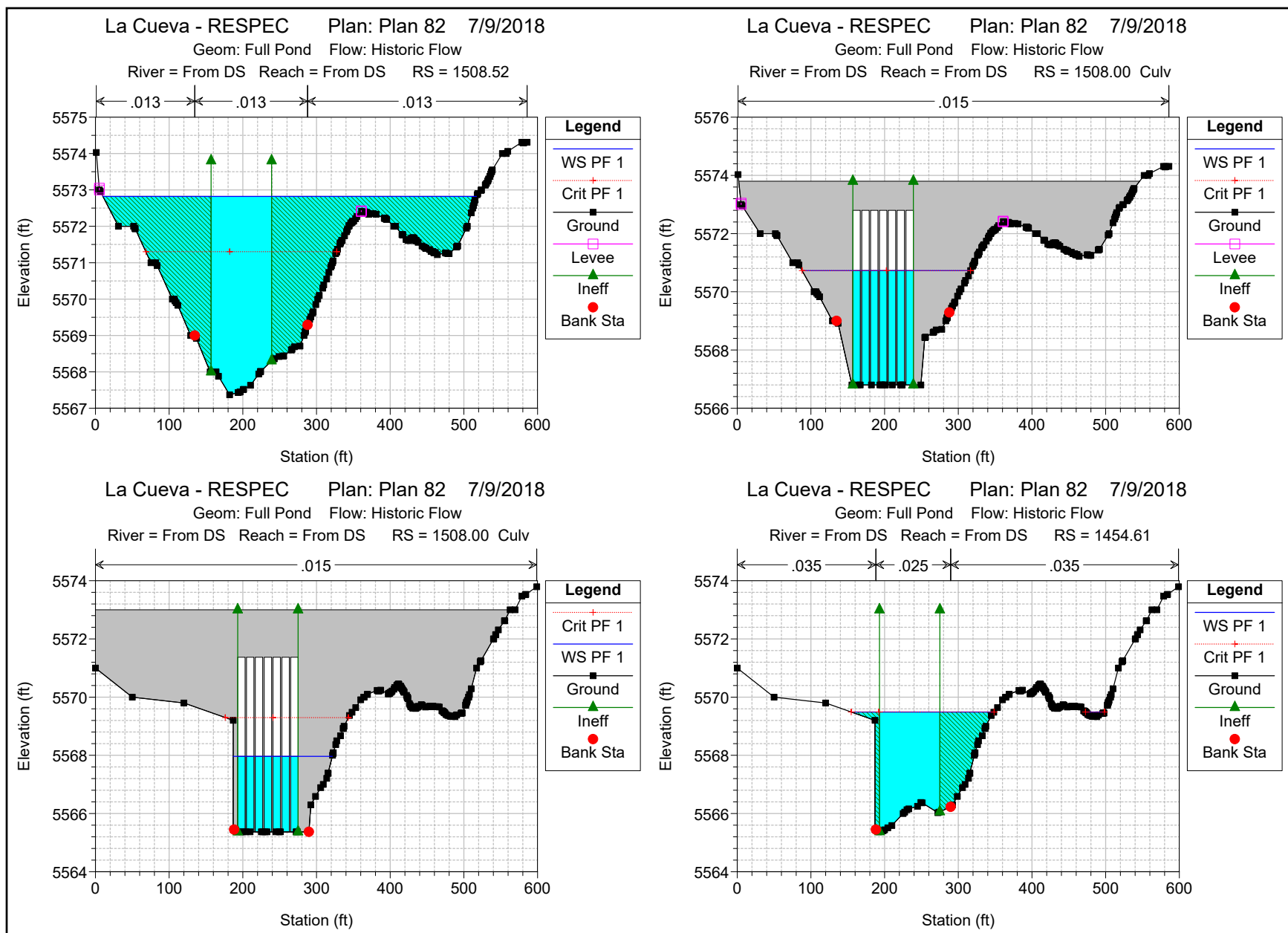


La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

River = From DS Reach = From DS RS = 1567.85

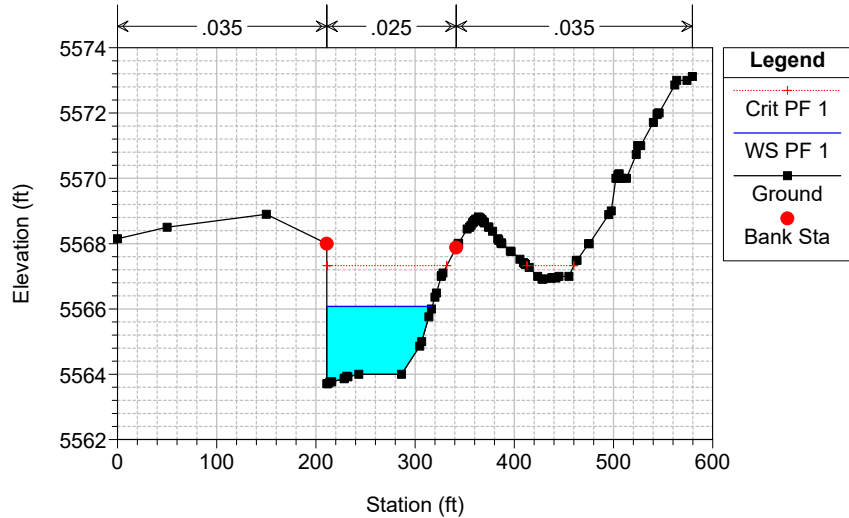




La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

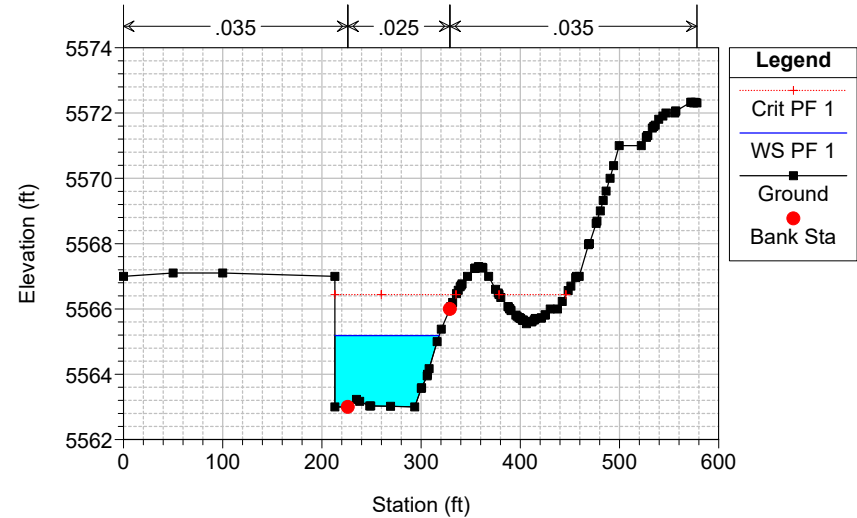
River = From DS Reach = From DS RS = 1381.28



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

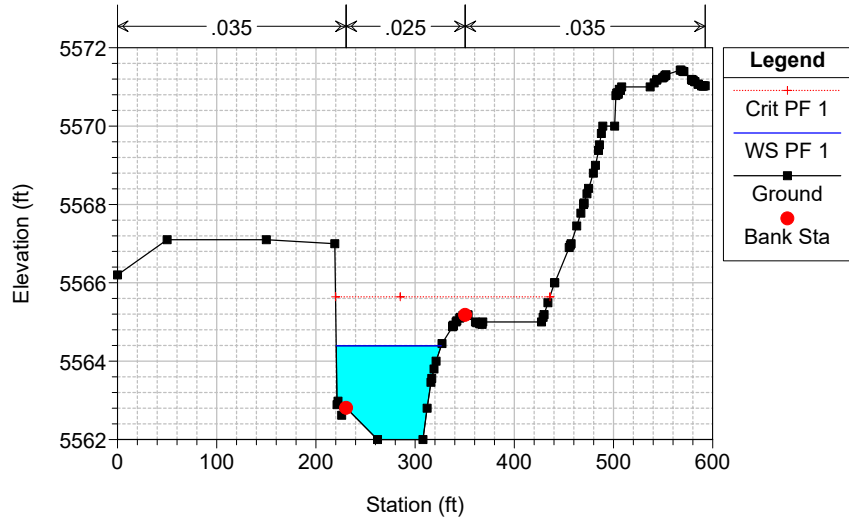
River = From DS Reach = From DS RS = 1354.1



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

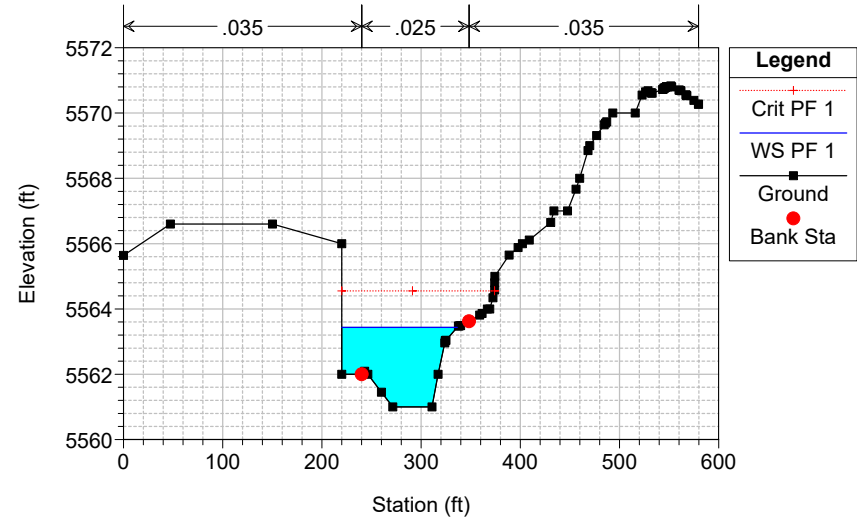
River = From DS Reach = From DS RS = 1323.43



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

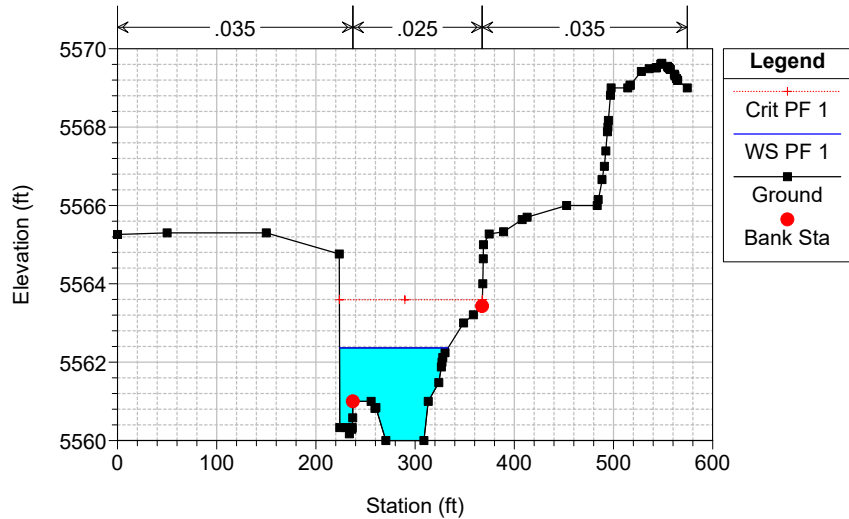
River = From DS Reach = From DS RS = 1297.14



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

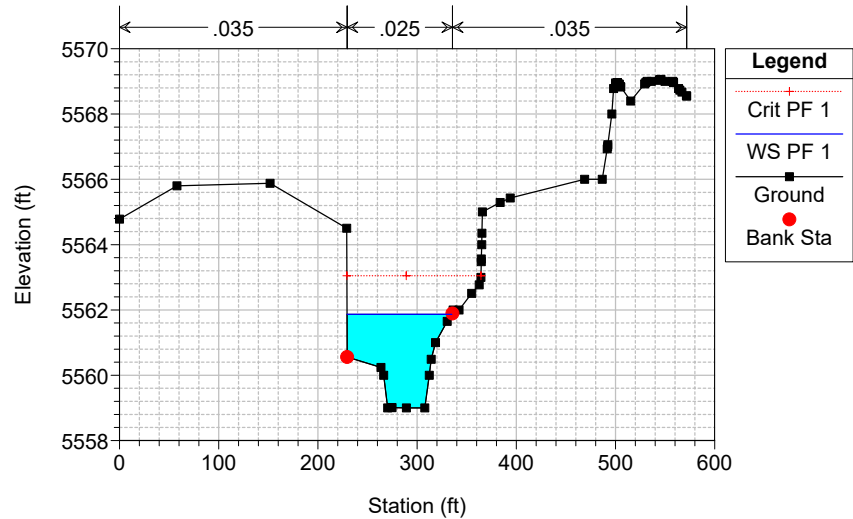
River = From DS Reach = From DS RS = 1274.91



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

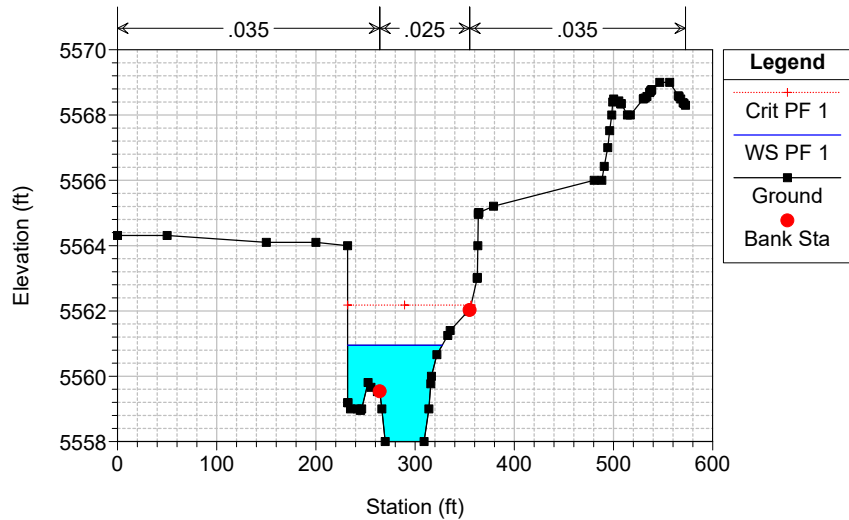
River = From DS Reach = From DS RS = 1254.2



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

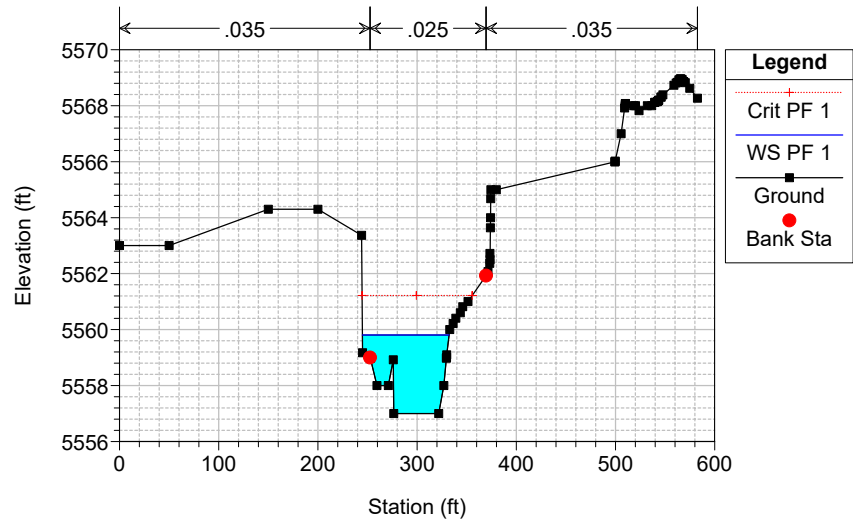
River = From DS Reach = From DS RS = 1238.15

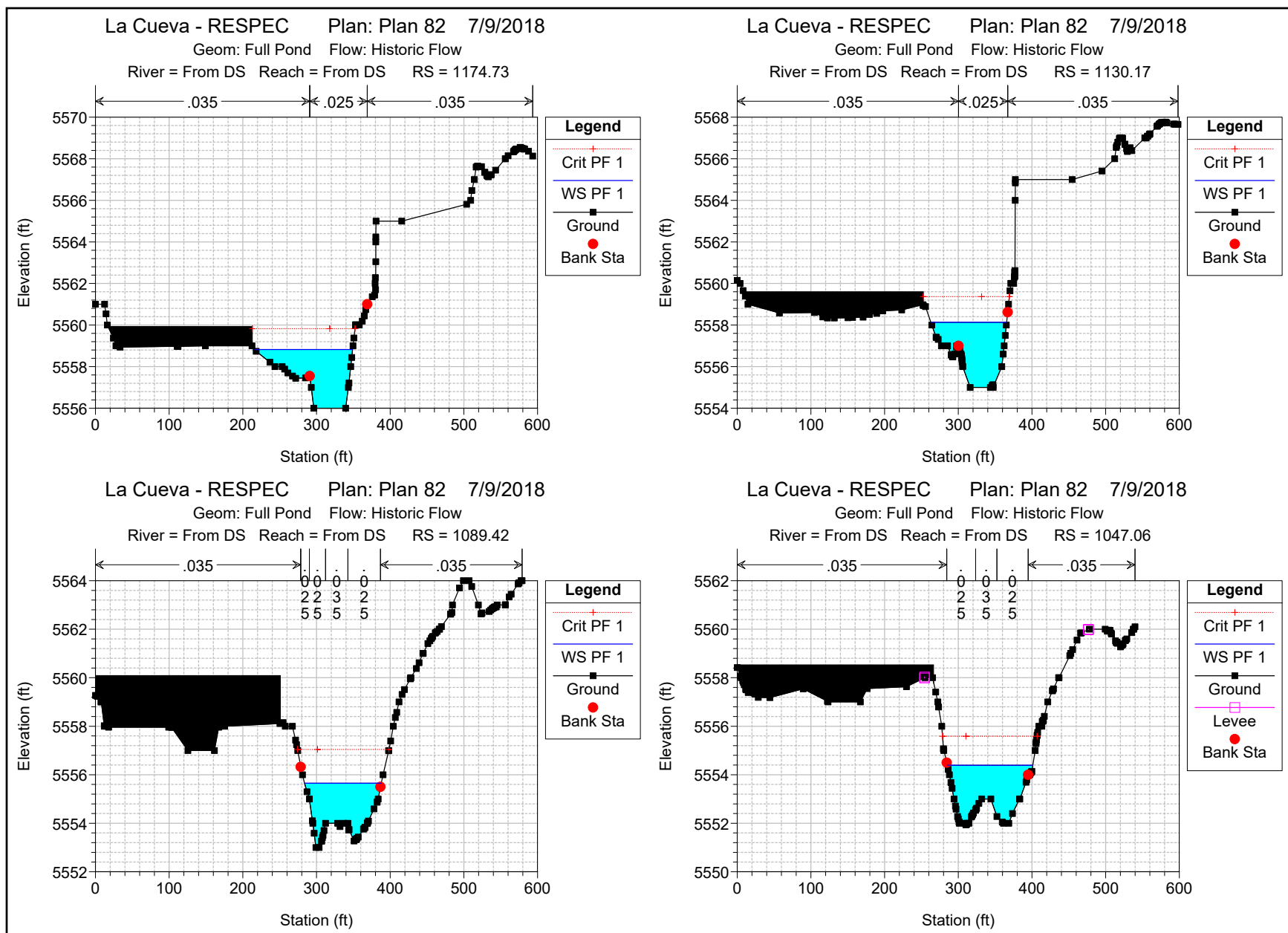


La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

River = From DS Reach = From DS RS = 1207.37



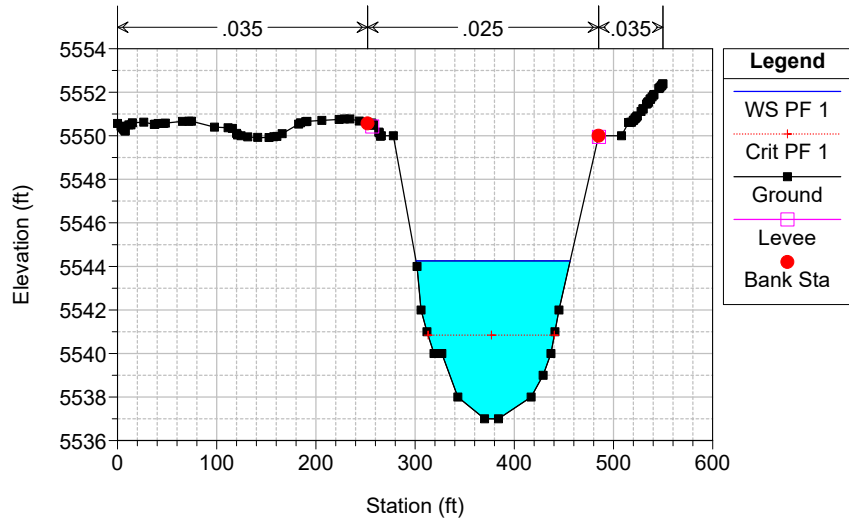




# La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

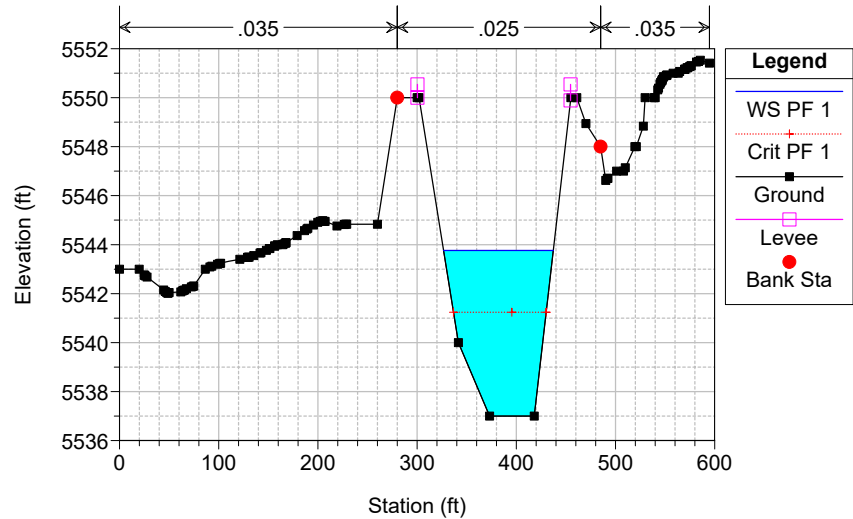
River = From DS Reach = From DS RS = 793



# La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

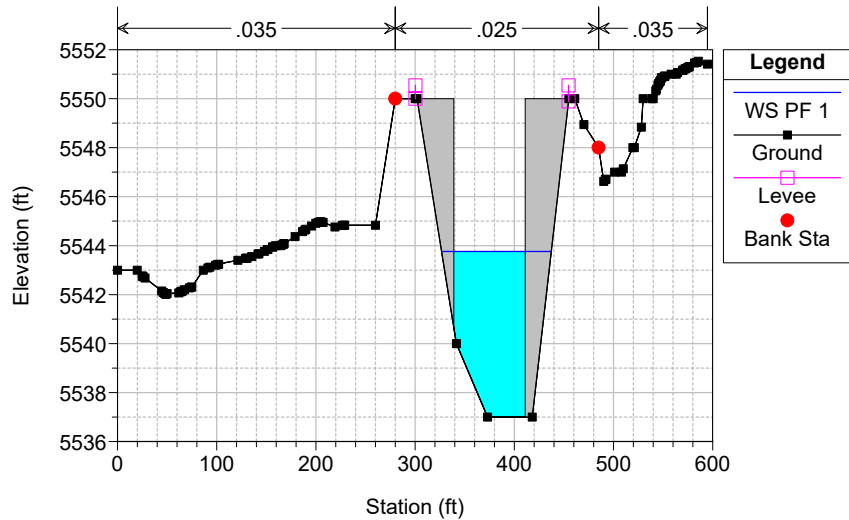
River = From DS Reach = From DS RS = 683.29



# La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

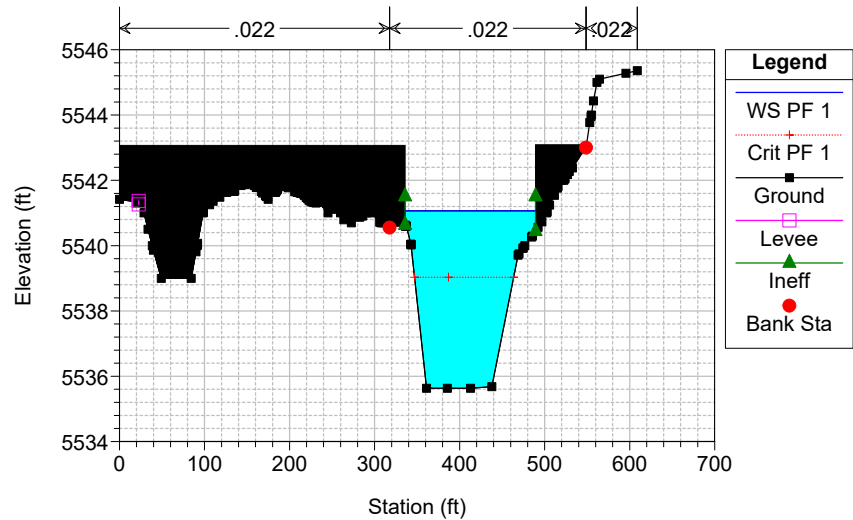
River = From DS Reach = From DS RS = 651 IS



# La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

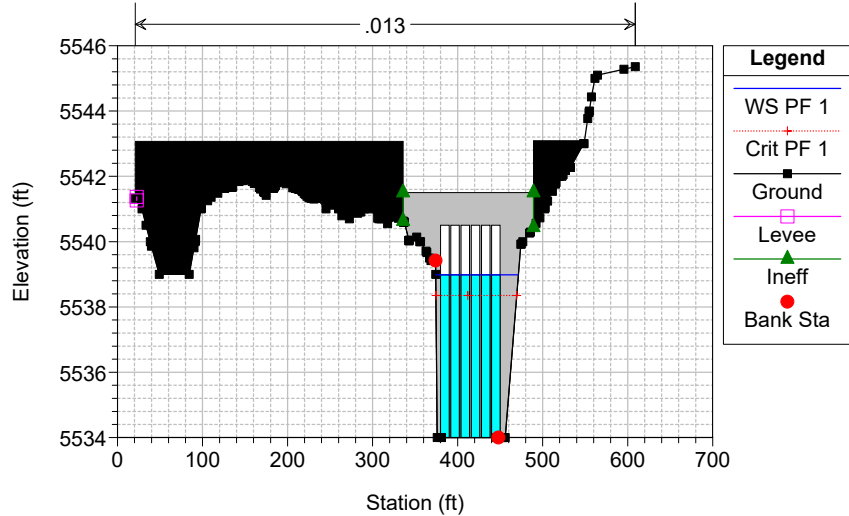
River = From DS Reach = From DS RS = 561.38



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

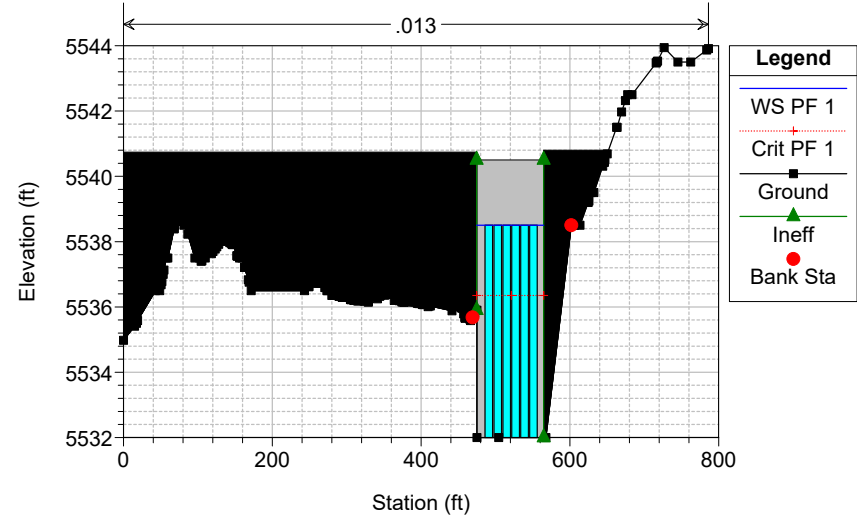
River = From DS Reach = From DS RS = 495 Culv



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

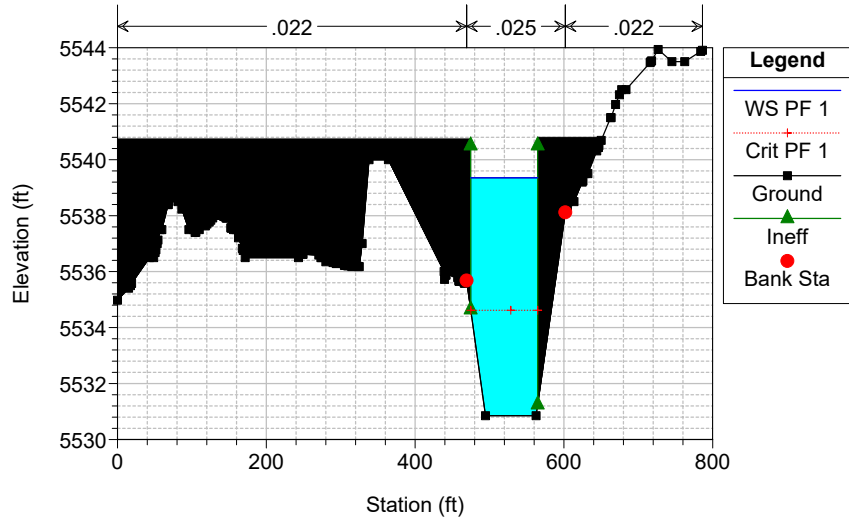
River = From DS Reach = From DS RS = 495 Culv



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

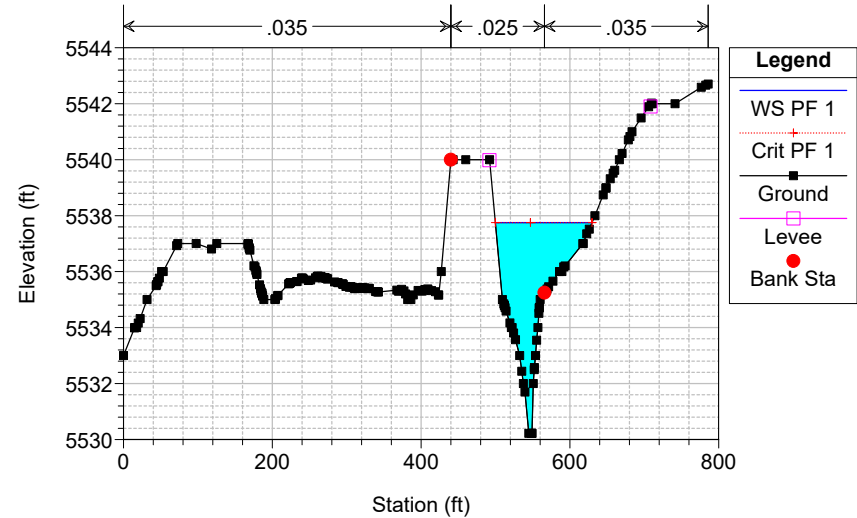
River = From DS Reach = From DS RS = 430



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

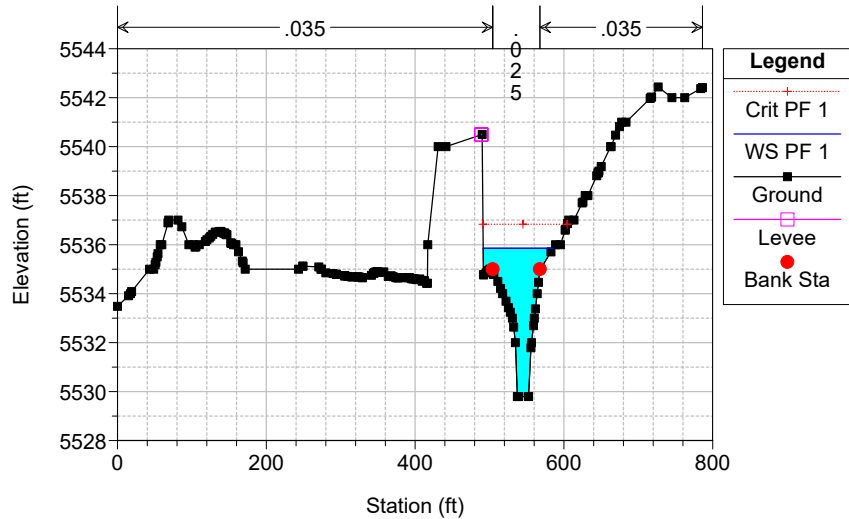
River = From DS Reach = From DS RS = 392.85



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

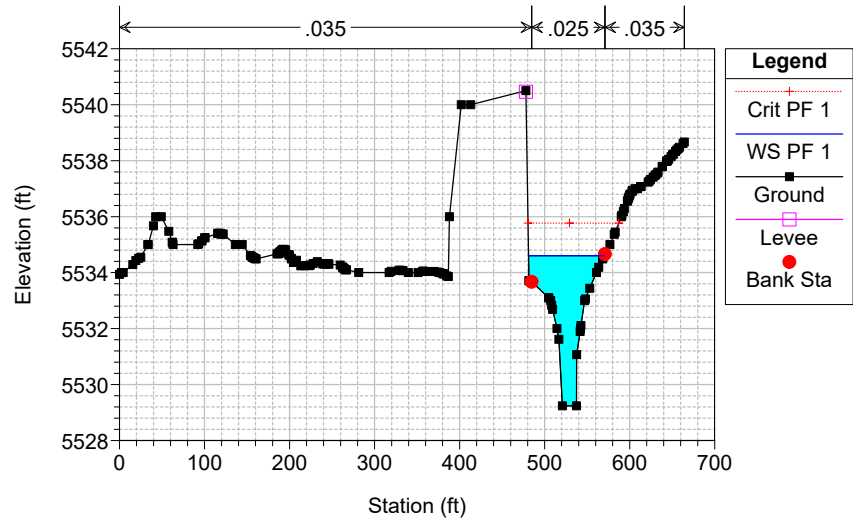
River = From DS Reach = From DS RS = 374.73



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

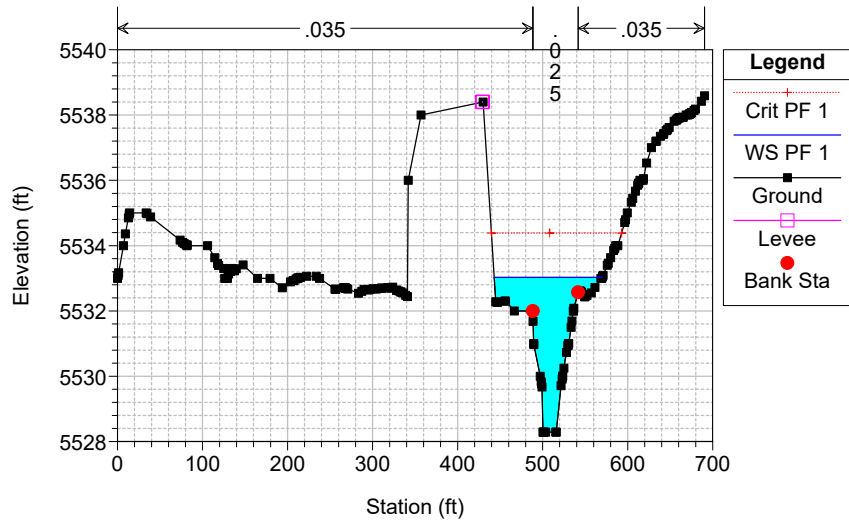
River = From DS Reach = From DS RS = 346.75



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

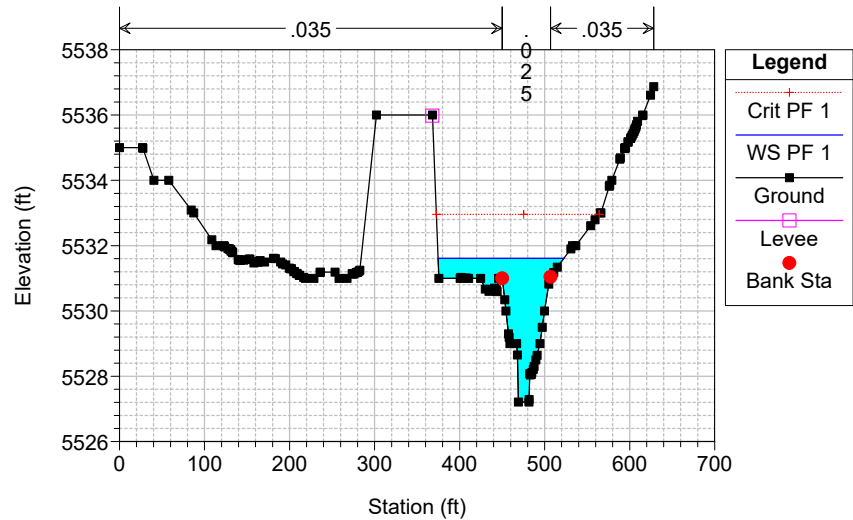
River = From DS Reach = From DS RS = 299.48



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

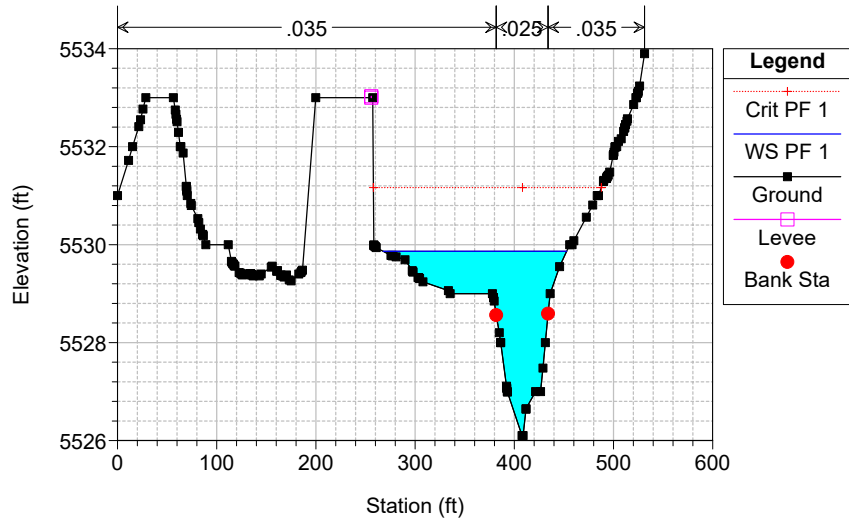
River = From DS Reach = From DS RS = 249.63



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

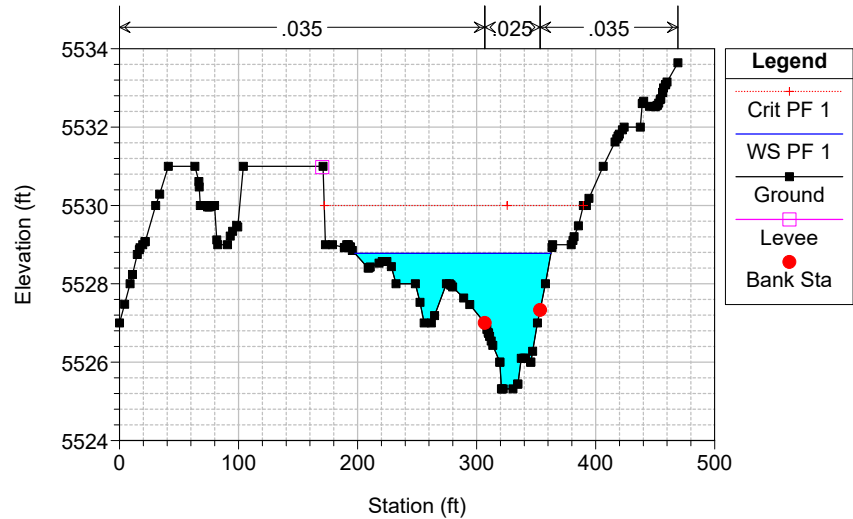
River = From DS Reach = From DS RS = 189.79



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

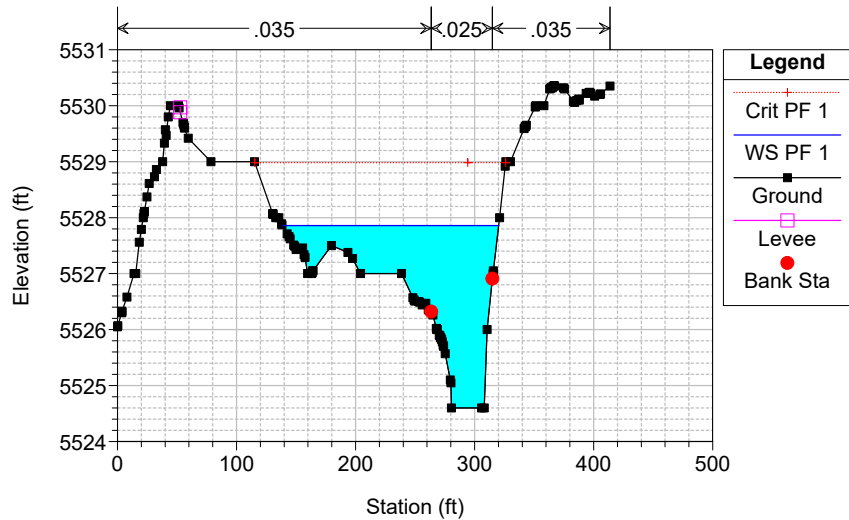
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La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

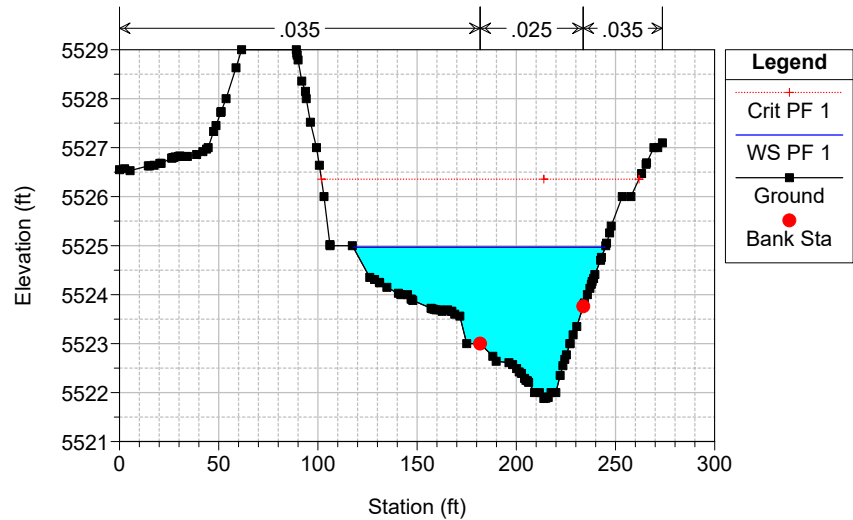
River = From DS Reach = From DS RS = 115.47



La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

River = From DS Reach = From DS RS = 41.45



# La Cueva - RESPEC Plan: Plan 82 7/9/2018

Geom: Full Pond Flow: Historic Flow

