

Appendix 7:
Watershed
Hydraulic Model
and Benefit
Assessment

HEC-HMS Peak Discharge Summary Table - Existing Condition

| Hydrologic Element | Drainage Area | 100 yr Peak Discharge | 200 yr Peak Discharge | 500 yr Peak Discharge |
|---------------------------|---------------|-----------------------|-----------------------|-----------------------|
| Bonesteel Creek Reach 1 | 5 | 413.8 | 554.5 | 702.9 |
| Bonesteel Creek Reach 2 | 2.24 | 178 | 235.2 | 293.9 |
| Bonesteel Trib-Trib 1 | 1.46 | 169.2 | 227.2 | 285.2 |
| Junction-11 | 36.86 | 2916.4 | 3863.3 | 4892.8 |
| Junction-15 | 3.8 | 342.3 | 445.1 | 559.6 |
| Junction-19 | 49.48 | 3819.3 | 5053 | 6384.2 |
| Junction-20 | 80.57 | 5669.9 | 7495.7 | 9464.9 |
| Junction-21 | 7.87 | 797.1 | 1065.7 | 1343.1 |
| Junction-22 | 24.77 | 1662.8 | 2191.6 | 2763.7 |
| Junction-24 | 92.07 | 6371.3 | 8416.1 | 10616.1 |
| Junction-25 | 97.47 | 6445.8 | 8515.8 | 10742.6 |
| Junction-5 | 19.72 | 1698.2 | 2268 | 2866.8 |
| Junction-5A | 9.21 | 1041.3 | 1396.8 | 1754.5 |
| Junction-7 | 34.7 | 2753.4 | 3650 | 4626.2 |
| Junction-9 | 6.46 | 548.1 | 729.5 | 926.4 |
| Newfoundland Creek Reach1 | 1.13 | 230.4 | 307.5 | 371.5 |
| Poesten Kill Reach 4 | 1.3 | 65.7 | 87.5 | 109.8 |
| Poesten Kill Reach 5 | 3.54 | 116.1 | 155.3 | 195.7 |
| Poesten Kill Trib-Trib5 | 0.86 | 103.4 | 135.5 | 167.8 |
| Poestenkil Reach 1 | 6.11 | 682.8 | 911.8 | 1147.1 |
| Poestenkil Reach 2 | 5.59 | 391.2 | 526.9 | 668.8 |
| Poestenkil Reach 3 | 6.28 | 376.9 | 500.7 | 627.2 |
| Poestenkil Reach 6 | 0.09 | 2.7 | 3.6 | 4.5 |
| Poestenkil Reach 8 | 5.4 | 74.5 | 99.7 | 126.5 |
| Poestenkil Reach7 | 6.3 | 144.2 | 193 | 244.3 |
| Poestenkil Trib - Trib 6 | 4.92 | 395.3 | 530.4 | 672.5 |
| Poestenkil Trib Trib 1 | 2.98 | 244.5 | 322.6 | 403.1 |
| Poestenkil Trib Trib2 | 2.3 | 205.4 | 270.5 | 337.7 |
| Poestenkil Trib Trib3 | 2.67 | 265.6 | 348.3 | 434.4 |
| Poestenkil Trib-Trib 7 | 3.1 | 361.4 | 485 | 608.9 |
| Quacken Kill - Reach 1 | 6.02 | 596.2 | 796.8 | 1006.1 |
| Quacken Kill - Reach 2 | 13.33 | 511.5 | 683.2 | 859.9 |
| Quackenkil Reach2A | 6.23 | 185 | 247.5 | 312.4 |
| Quackenkil Trib-Trib A | 1.85 | 226.1 | 304.5 | 381.1 |
| Quackenkil Trib-Trib1 | 3.57 | 424.7 | 555.4 | 689.4 |
| Sweet Mill Creek | 5.2 | 558.4 | 731.7 | 910.6 |

HEC-HMS Peak Discharge Summary Table - Post Condition (Wetland Control Devices and Dunham Reservoir Management)

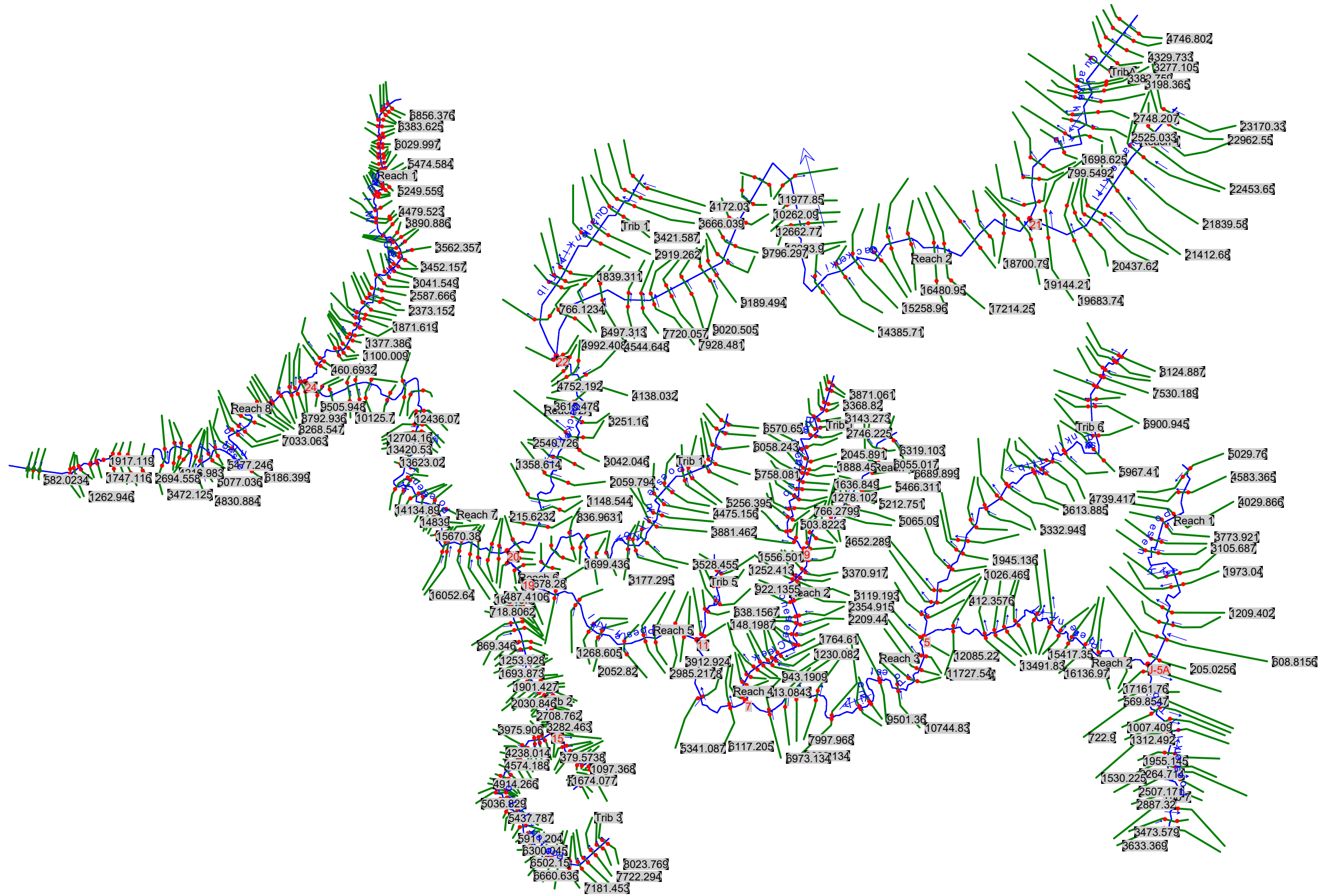
| Hydrologic Element | Drainage Area | 100 yr Peak Discharge | 200 yr Peak Discharge | 500 yr Peak Discharge |
|---------------------------|---------------|-----------------------|-----------------------|-----------------------|
| AP-14 | 8.33 | 317.9 | 740.1 | 1089.3 |
| AP-14 Watershed | 8.33 | 718.6 | 947.1 | 1183.1 |
| AP-29 | 5.24 | 132.6 | 169.9 | 214.2 |
| AP-29 Watershed | 5.24 | 171.9 | 229.8 | 289.7 |
| AP-6 | 1.06 | 56.7 | 82.7 | 109.7 |
| AP-6 Watershed | 1.06 | 122.3 | 164.3 | 206.3 |
| Bonesteel Creek Reach 1 | 4.45 | 368.3 | 493.5 | 625.6 |
| Bonesteel Creek Reach 2 | 0.37 | 29.4 | 38.8 | 48.5 |
| Bonesteel Trib-Trib 1 | 0.4 | 46.3 | 62.2 | 78.1 |
| Dunham Reservoir | 10.28 | 52.4 | 61.5 | 92 |
| Dunham Watersehd | 2.41 | 39 | 53.3 | 68.4 |
| G-31 | 5.2 | 150.5 | 197.2 | 250.8 |
| G-31 Watershed | 2.55 | 93.1 | 126.9 | 161.7 |
| G-32 | 2.65 | 110.2 | 144.4 | 183.3 |
| G-32 Watershed | 2.65 | 169 | 228.2 | 289.7 |
| G-35 | 1.93 | 183.7 | 242.7 | 303.2 |
| G-35 Watershed | 1.93 | 190 | 249.3 | 310.9 |
| Junction-11 | 43.2856 | 2320 | 3437.1 | 4685.6 |
| Junction-15 | 3.8 | 342.3 | 445.1 | 559.6 |
| Junction-19 | 59.6556 | 3222.5 | 4621.5 | 6172.3 |
| Junction-20 | 91.5256 | 4424.8 | 6200.1 | 8165.9 |
| Junction-21 | 7.87 | 397.2 | 514.3 | 655.2 |
| Junction-22 | 25.55 | 1014.6 | 1327.6 | 1676.7 |
| Junction-24 | 103.0256 | 5132.8 | 7127.3 | 9324.1 |
| Junction-25 | 108.4256 | 5207.3 | 7227 | 9450.5 |
| Junction-5 | 19.6856 | 951.3 | 1290.2 | 1816.1 |
| Junction-5A | 9.2 | 190.9 | 267.1 | 431 |
| Junction-7 | 41.1256 | 2157.1 | 3223.9 | 4419 |
| Junction-9 | 6.46 | 481.5 | 654.1 | 837.9 |
| Kersch | 0.0656 | 11.4 | 16.6 | 20.9 |
| kersch watershed | 0.0656 | 21.3 | 29.7 | 35.5 |
| Newfoundland Creek Reach1 | 1.13 | 230.4 | 307.5 | 371.5 |
| Poesten Kill Reach 4 | 1.3 | 65.7 | 87.5 | 109.8 |
| Poesten Kill Reach 5 | 3.54 | 116.1 | 155.3 | 195.7 |
| Poesten Kill Trib-Trib5 | 0.86 | 103.4 | 135.5 | 167.8 |
| Poestenkil Reach 2 | 5.5 | 384.9 | 518.4 | 658 |
| Poestenkil Reach 3 | 6.28 | 376.9 | 500.7 | 627.2 |
| Poestenkil Reach 6 | 0.09 | 2.7 | 3.6 | 4.5 |
| Poestenkil Reach 8 | 5.4 | 74.5 | 99.7 | 126.5 |
| Poestenkil Reach7 | 6.3 | 144.2 | 193 | 244.3 |
| Poestenkil Trib - Trib 6 | 3.37 | 270.8 | 363.3 | 460.6 |
| Poestenkil Trib Trib 1 | 2.98 | 244.5 | 322.6 | 403.1 |
| Poestenkil Trib Trib2 | 0.81 | 72.3 | 95.3 | 118.9 |
| Poestenkil Trib Trib3 | 2.67 | 265.6 | 348.3 | 434.4 |
| Quacken Kill - Reach 1 | 0.82 | 81.2 | 108.5 | 137 |
| Quacken Kill - Reach 2 | 9.77 | 374.9 | 500.7 | 630.2 |
| Quackenkil Reach2A | 6.23 | 185 | 247.5 | 312.4 |
| Quackenkil Trib-Trib A | 1.85 | 226.1 | 304.5 | 381.1 |
| Quackenkil Trib-Trib1 | 3.57 | 424.7 | 555.4 | 689.4 |
| Sweet Mill Creek | 5.2 | 565.5 | 739 | 918 |
| T-11 | 1.31 | 134.3 | 176.2 | 240.6 |
| T-11 Watershed | 1.31 | 154.5 | 202.2 | 251 |
| T-12 | 1.55 | 101.4 | 137 | 260.8 |
| T-12 Watershed | 0.24 | 20.8 | 27.8 | 35.2 |
| T-16 Watershed | 2.73 | 206.3 | 277.3 | 351.9 |
| T-16A | 2.73 | 156.1 | 198.3 | 248.3 |
| T-16B | 2.73 | 79.9 | 118.2 | 152.2 |
| T-16C | 2.73 | 35.6 | 64.7 | 95.2 |
| T-20 | 4.53 | 81 | 126.5 | 177.3 |
| T-20 Watershed | 1.8 | 76.3 | 103.7 | 132.1 |
| T-24 | 9.2 | 190.9 | 267.1 | 431 |
| T-24 Watershed | 2 | 64.5 | 88 | 112.3 |
| T-27 | 2.67 | 217.4 | 295.8 | 359.2 |
| T-27 Watershed | 2.67 | 248.2 | 331.4 | 419.4 |
| T-8 | 0.55 | 19.7 | 29.9 | 41.4 |
| T-8 Watershed | 0.55 | 55.6 | 74.3 | 93.8 |

HEC-HMS Peak Discharge Summary Table - Post Condition (Wetland Control Devices Only)

| Hydrologic Element | Drainage Area | 100 yr Peak Discharge | 200 yr Peak Discharge | 500 yr Peak Discharge |
|---------------------------|---------------|-----------------------|-----------------------|-----------------------|
| Junction-20 | 91.5256 | 4738.2 | 6640.2 | 8722.1 |
| Kersch | 0.0656 | 11.4 | 16.6 | 20.9 |
| T-12 Watershed | 0.24 | 20.8 | 27.8 | 35.2 |
| T-27 Watershed | 2.67 | 248.2 | 331.4 | 419.4 |
| Poestenkill Trib - Trib 6 | 3.37 | 270.8 | 363.3 | 460.6 |
| T-20 Watershed | 1.8 | 76.3 | 103.7 | 132.1 |
| T-16B | 2.73 | 79.9 | 118.2 | 152.2 |
| T-16C | 2.73 | 35.6 | 64.7 | 95.2 |
| T-20 | 4.53 | 81 | 126.5 | 177.3 |
| Junction-5A | 9.2 | 190.9 | 267.1 | 431 |
| T-16A | 2.73 | 156.1 | 198.3 | 248.3 |
| kersch watershed | 0.0656 | 21.3 | 29.7 | 35.5 |
| T-27 | 2.67 | 217.4 | 295.8 | 359.2 |
| T-24 Watershed | 2 | 64.5 | 88 | 112.3 |
| T-11 Watershed | 1.31 | 154.5 | 202.2 | 251 |
| Poestenkill Reach 2 | 5.5 | 384.9 | 518.4 | 658 |
| T-12 | 1.55 | 101.4 | 137 | 260.8 |
| T-24 | 9.2 | 190.9 | 267.1 | 431 |
| T-16 Watershed | 2.73 | 206.3 | 277.3 | 351.9 |
| T-11 | 1.31 | 134.3 | 176.2 | 240.6 |
| Junction-5 | 19.6856 | 951.3 | 1290.2 | 1816.1 |
| AP-14 Watershed | 8.33 | 718.6 | 947.1 | 1183.1 |
| AP-14 | 8.33 | 317.9 | 740.1 | 1089.3 |
| T-8 Watershed | 0.55 | 55.6 | 74.3 | 93.8 |
| AP-6 | 1.06 | 56.7 | 82.7 | 109.7 |
| AP-6 Watershed | 1.06 | 122.3 | 164.3 | 206.3 |
| Bonesteel Creek Reach 1 | 4.45 | 368.3 | 493.5 | 625.6 |
| Bonesteel Trib-Trib 1 | 0.4 | 46.3 | 62.2 | 78.1 |
| T-8 | 0.55 | 19.7 | 29.9 | 41.4 |
| Junction-9 | 6.46 | 481.5 | 654.1 | 837.9 |
| Poestenkill Reach 3 | 6.28 | 376.9 | 500.7 | 627.2 |
| Junction-7 | 41.1256 | 2157.1 | 3223.9 | 4419 |
| Poesten Kill Reach 4 | 1.3 | 65.7 | 87.5 | 109.8 |
| Bonesteel Creek Reach 2 | 0.37 | 29.4 | 38.8 | 48.5 |
| Poesten Kill Trib-Trib5 | 0.86 | 103.4 | 135.5 | 167.8 |
| Junction-11 | 43.2856 | 2320 | 3437.1 | 4685.6 |
| AP-29 Watershed | 5.24 | 171.9 | 229.8 | 289.7 |
| AP-29 | 5.24 | 132.6 | 169.9 | 214.2 |
| Newfoundland Creek Reach1 | 1.13 | 230.4 | 307.5 | 371.5 |
| Poestenkill Trib Trib3 | 2.67 | 265.6 | 348.3 | 434.4 |
| Junction-15 | 3.8 | 342.3 | 445.1 | 559.6 |
| Poesten Kill Reach 5 | 3.54 | 116.1 | 155.3 | 195.7 |
| Poestenkill Trib Trib 1 | 2.98 | 244.5 | 322.6 | 403.1 |
| Poestenkill Trib Trib2 | 0.81 | 72.3 | 95.3 | 118.9 |
| Junction-19 | 59.6556 | 3222.5 | 4621.5 | 6172.3 |
| G-35 Watershed | 1.93 | 190 | 249.3 | 310.9 |
| G-31 Watershed | 2.55 | 93.1 | 126.9 | 161.7 |
| Quackenkil Trib-Trib A | 1.85 | 226.1 | 304.5 | 381.1 |
| G-32 Watershed | 2.65 | 169 | 228.2 | 289.7 |
| G-31 | 5.2 | 150.5 | 197.2 | 250.8 |
| Quacken Kill - Reach 1 | 0.82 | 81.2 | 108.5 | 137 |
| G-32 | 2.65 | 110.2 | 144.4 | 183.3 |
| Dunham Watersehd | 2.41 | 39 | 53.3 | 68.4 |
| Junction-21 | 7.87 | 397.2 | 514.3 | 655.2 |
| Dunham Reservoir | 10.28 | 365.9 | 501.6 | 648.2 |
| Quacken Kill - Reach 2 | 9.77 | 374.9 | 500.7 | 630.2 |
| G-35 | 1.93 | 183.7 | 242.7 | 303.2 |
| Quackenkil Trib-Trib1 | 3.57 | 424.7 | 555.4 | 689.4 |
| Junction-22 | 25.55 | 1328.1 | 1767.7 | 2232.9 |
| Quackenkil Reach2A | 6.23 | 185 | 247.5 | 312.4 |
| Poestenkill Reach 6 | 0.09 | 2.7 | 3.6 | 4.5 |
| Poestenkill Reach7 | 6.3 | 144.2 | 193 | 244.3 |
| Sweet Mill Creek | 5.2 | 558.4 | 731.7 | 910.6 |
| Junction-24 | 103.0256 | 5439.7 | 7560.6 | 9873.4 |
| Poestenkill Reach 8 | 5.4 | 74.5 | 99.7 | 126.5 |
| Junction-25 | 108.4256 | 5514.1 | 7660.3 | 9999.9 |

HEC-HMS Peak Discharge Summary Table - Post Condition (Dunham Reservoir Management Only)

| Hydrologic Element | Drainage Area | 100 yr Peak Discharge | 200 yr Peak Discharge | 500 yr Peak Discharge |
|---------------------------|---------------|-----------------------|-----------------------|-----------------------|
| Junction-20 | 82.98 | 5175.8 | 7237.1 | 9346 |
| Junction-5 | 19.72 | 1698.2 | 2268 | 2866.8 |
| Poestenkill Trib-Trib 7 | 3.1 | 361.4 | 485 | 608.9 |
| Junction-7 | 34.7 | 2753.4 | 3650 | 4626.2 |
| Poesten Kill Reach 5 | 3.54 | 116.1 | 155.3 | 195.7 |
| Poestenkill Trib - Trib 6 | 4.92 | 395.3 | 530.4 | 672.5 |
| Newfoundland Creek Reach1 | 1.13 | 230.4 | 307.5 | 371.5 |
| Junction-15 | 3.8 | 342.3 | 445.1 | 559.6 |
| Poesten Kill Reach 4 | 1.3 | 65.7 | 87.5 | 109.8 |
| Poestenkill Trib Trib3 | 2.67 | 265.6 | 348.3 | 434.4 |
| Poestenkill Trib Trib2 | 2.3 | 205.4 | 270.5 | 337.7 |
| Junction-11 | 36.86 | 2916.4 | 3863.3 | 4892.8 |
| Junction-5A | 9.21 | 1041.3 | 1396.8 | 1754.5 |
| Bonesteel Creek Reach 1 | 5 | 413.8 | 554.5 | 702.9 |
| Bonesteel Creek Reach 2 | 2.24 | 178 | 235.2 | 293.9 |
| Poesten Kill Trib-Trib5 | 0.86 | 103.4 | 135.5 | 167.8 |
| Junction-9 | 6.46 | 548.1 | 729.5 | 926.4 |
| Poestenkill Trib Trib 1 | 2.98 | 244.5 | 322.6 | 403.1 |
| Bonesteel Trib-Trib 1 | 1.46 | 169.2 | 227.2 | 285.2 |
| Poestenkill Reach 3 | 6.28 | 376.9 | 500.7 | 627.2 |
| Poestenkill Reach 2 | 5.59 | 391.2 | 526.9 | 668.8 |
| Poestenkill Reach 1 | 6.11 | 682.8 | 911.8 | 1147.1 |
| Junction-19 | 49.48 | 3819.3 | 5053 | 6384.2 |
| Quacken Kill - Reach 2 | 13.33 | 511.5 | 683.2 | 859.9 |
| Quackenkil Trib-Trib A | 1.85 | 226.1 | 304.5 | 381.1 |
| Quacken Kill - Reach 1 | 6.02 | 596.2 | 796.8 | 1006.1 |
| Junction-21 | 7.87 | 797.1 | 1065.7 | 1343.1 |
| Dunham Reservoir | 10.28 | 253.7 | 727.2 | 1133.8 |
| Dunham Watershed | 2.41 | 39 | 53.3 | 68.4 |
| Quackenkil Trib-Trib1 | 3.57 | 424.7 | 555.4 | 689.4 |
| Junction-22 | 27.18 | 1168.8 | 1933 | 2644.9 |
| Quackenkil Reach2A | 6.23 | 185 | 247.5 | 312.4 |
| Sweet Mill Creek | 5.2 | 558.4 | 731.7 | 910.6 |
| Poestenkill Reach7 | 6.3 | 144.2 | 193 | 244.3 |
| Poestenkill Reach 6 | 0.09 | 2.7 | 3.6 | 4.5 |
| Junction-24 | 94.48 | 5877.2 | 8157.5 | 10497.3 |
| Poestenkill Reach 8 | 5.4 | 74.5 | 99.7 | 126.5 |
| Junction-25 | 99.88 | 5951.7 | 8257.2 | 10623.8 |



HEC-RAS Summary Table - Post Condition Reach 8 (w/o Dunham Reservoir)

| Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) | Crit W.S. (ft) | E.G. Elev (ft) | E.G. Slope (ft/ft) | Vel Chnl (ft/s) | Flow Area (sq ft) | Top Width (ft) | WS. Elevation Benefit (ft) |
|---------|-----------|---------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|-------------------------------|
| Reach 8 | 9084.866 | 100 YR | 5439.7 | 328.97 | 340.54 | 335.49 | 340.57 | 0.00017 | 1.4 | 3879.23 | 653.48 | -0.76 |
| Reach 8 | 9084.866 | 200 YR | 7560.6 | 328.97 | 342.19 | 336.05 | 342.22 | 0.000147 | 1.52 | 4963.31 | 661.32 | -0.59 |
| Reach 8 | 9084.866 | 500 YR | 9873.4 | 328.97 | 343.74 | 336.44 | 343.79 | 0.000135 | 1.65 | 5997.52 | 666.58 | -0.47 |
| Reach 8 | 8904.993 | 100 YR | 5439.7 | 324.05 | 340.2 | | 340.37 | 0.000683 | 3.36 | 1619.79 | 204.11 | -0.74 |
| Reach 8 | 8904.993 | 200 YR | 7560.6 | 324.05 | 341.81 | | 342.03 | 0.000915 | 3.77 | 2004.57 | 266.24 | -0.58 |
| Reach 8 | 8904.993 | 500 YR | 9873.4 | 324.05 | 343.34 | | 343.6 | 0.000896 | 4.06 | 2429.41 | 283.94 | -0.47 |
| Reach 8 | 8792.936 | 100 YR | 5439.7 | 322.64 | 340.21 | | 340.24 | 0.000127 | 1.4 | 3884.43 | 525.96 | -0.74 |
| Reach 8 | 8792.936 | 200 YR | 7560.6 | 322.64 | 341.83 | | 341.87 | 0.000129 | 1.59 | 4746.53 | 533.89 | -0.6 |
| Reach 8 | 8792.936 | 500 YR | 9873.4 | 322.64 | 343.39 | | 343.44 | 0.00013 | 1.77 | 5579.1 | 538.32 | -0.47 |
| Reach 8 | 8546.203 | 100 YR | 5439.7 | 318.6 | 326.24 | | 326.67 | 0.002369 | 5.26 | 1034.16 | 171.68 | -0.67 |
| Reach 8 | 8546.203 | 200 YR | 7560.6 | 318.6 | 327.73 | | 328.26 | 0.002292 | 5.84 | 1293.77 | 178.33 | -0.54 |
| Reach 8 | 8546.203 | 500 YR | 9873.4 | 318.6 | 329.17 | | 329.8 | 0.00223 | 6.34 | 1556.19 | 185.27 | -0.45 |
| Reach 8 | 8339.744 | 100 YR | 5439.7 | 315.29 | 320.7 | 320.7 | 323.01 | 0.018456 | 12.17 | 446.81 | 97.86 | -0.54 |
| Reach 8 | 8339.744 | 200 YR | 7560.6 | 315.29 | 321.86 | 321.86 | 324.68 | 0.017472 | 13.47 | 561.32 | 100.62 | -0.45 |
| Reach 8 | 8339.744 | 500 YR | 9873.4 | 315.29 | 323.01 | 323.01 | 326.3 | 0.016598 | 14.54 | 679.04 | 103.75 | -0.34 |
| Reach 8 | 8268.547 | 100 YR | 5439.7 | 304.66 | 313.47 | 314.47 | 317.63 | 0.027594 | 16.35 | 332.73 | 60.62 | -0.83 |
| Reach 8 | 8268.547 | 200 YR | 7560.6 | 304.66 | 315.46 | 316.43 | 319.44 | 0.028683 | 16 | 472.58 | 92.56 | -0.47 |
| Reach 8 | 8268.547 | 500 YR | 9873.4 | 304.66 | 316.46 | 317.52 | 321.06 | 0.030202 | 17.21 | 573.81 | 104.8 | -0.26 |
| Reach 8 | 8134.045 | 100 YR | 5439.7 | 283.79 | 288.66 | 291.18 | 297.26 | 0.086827 | 23.53 | 231.2 | 58.57 | -0.45 |
| Reach 8 | 8134.045 | 200 YR | 7560.6 | 283.79 | 289.85 | 292.7 | 299.42 | 0.07638 | 24.82 | 304.58 | 63.88 | -0.48 |
| Reach 8 | 8134.045 | 500 YR | 9873.4 | 283.79 | 291.01 | 294.18 | 301.5 | 0.066009 | 25.98 | 380.04 | 65.77 | -0.33 |
| Reach 8 | 8031.935 | 100 YR | 5439.7 | 280.22 | 287.23 | 287.23 | 289.88 | 0.017843 | 13.06 | 416.41 | 78.69 | -0.61 |
| Reach 8 | 8031.935 | 200 YR | 7560.6 | 280.22 | 288.59 | 288.59 | 291.81 | 0.016947 | 14.4 | 525.11 | 81.55 | -0.49 |
| Reach 8 | 8031.935 | 500 YR | 9873.4 | 280.22 | 289.96 | 289.95 | 293.66 | 0.016295 | 15.45 | 639.06 | 86.05 | -0.4 |
| Reach 8 | 7403.166 | 100 YR | 5439.7 | 253.84 | 270.44 | 258.83 | 270.48 | 0.000081 | 1.48 | 3680.42 | 321.55 | -1.11 |
| Reach 8 | 7403.166 | 200 YR | 7560.6 | 253.84 | 272.85 | 259.52 | 272.89 | 0.00009 | 1.69 | 4483.71 | 346.95 | -0.82 |
| Reach 8 | 7403.166 | 500 YR | 9873.4 | 253.84 | 275.25 | 260.22 | 275.31 | 0.000099 | 1.84 | 5362.77 | 390.62 | -0.63 |
| Reach 8 | 7175.604 | 100 YR | 5439.7 | 251.87 | 260.89 | | 261.29 | 0.00227 | 5.06 | 1074.98 | 183.97 | -0.93 |
| Reach 8 | 7175.604 | 200 YR | 7560.6 | 251.87 | 262.95 | | 263.37 | 0.001681 | 5.16 | 1464.33 | 193.37 | -0.76 |
| Reach 8 | 7175.604 | 500 YR | 9873.4 | 251.87 | 265.02 | | 265.45 | 0.001368 | 5.26 | 1878.18 | 206.42 | -0.63 |
| Reach 8 | 7033.063 | 100 YR | 5439.7 | 250.07 | 260.16 | | 260.46 | 0.001315 | 4.43 | 1228.32 | 167.87 | -1.01 |
| Reach 8 | 7033.063 | 200 YR | 7560.6 | 250.07 | 262.37 | | 262.71 | 0.001108 | 4.7 | 1607.75 | 175.19 | -0.79 |
| Reach 8 | 7033.063 | 500 YR | 9873.4 | 250.07 | 264.52 | | 264.9 | 0.000976 | 4.96 | 1989.8 | 180.45 | -0.64 |
| Reach 8 | 6186.399 | 100 YR | 5439.7 | 244.23 | 258.96 | | 258.96 | 0.00001 | 0.47 | 11548.02 | 1240.15 | -1.08 |
| Reach 8 | 6186.399 | 200 YR | 7560.6 | 244.23 | 261.31 | | 261.32 | 0.00001 | 0.52 | 14489 | 1257.39 | -0.81 |
| Reach 8 | 6186.399 | 500 YR | 9873.4 | 244.23 | 263.54 | | 263.54 | 0.000009 | 0.57 | 17316.07 | 1282.93 | -0.66 |
| Reach 8 | 5477.246 | 100 YR | 5439.7 | 240.03 | 258.33 | | 258.39 | 0.000161 | 1.87 | 2908.72 | 300.32 | -1.1 |
| Reach 8 | 5477.246 | 200 YR | 7560.6 | 240.03 | 260.71 | | 260.78 | 0.000157 | 2.07 | 3643.72 | 315.17 | -0.8 |
| Reach 8 | 5477.246 | 500 YR | 9873.4 | 240.03 | 262.94 | | 263.02 | 0.000158 | 2.26 | 4360.9 | 332.81 | -0.65 |
| Reach 8 | 5291.141 | 100 YR | 5439.7 | 237.73 | 249.13 | | 249.75 | 0.002167 | 6.3 | 862.84 | 97.16 | -1.33 |
| Reach 8 | 5291.141 | 200 YR | 7560.6 | 237.73 | 251.33 | | 252.08 | 0.002432 | 6.96 | 1085.86 | 114.77 | -0.49 |
| Reach 8 | 5291.141 | 500 YR | 9873.4 | 237.73 | 252.68 | | 253.63 | 0.003496 | 7.82 | 1261.97 | 148.29 | -0.38 |
| Reach 8 | 5077.036 | 100 YR | 5439.7 | 237.53 | 249.13 | | 249.19 | 0.000251 | 1.94 | 2797.35 | 385.82 | -1.42 |
| Reach 8 | 5077.036 | 200 YR | 7560.6 | 237.53 | 251.48 | | 251.54 | 0.000195 | 2.04 | 3713.99 | 394.34 | -0.53 |
| Reach 8 | 5077.036 | 500 YR | 9873.4 | 237.53 | 252.9 | | 252.98 | 0.000215 | 2.31 | 4279.56 | 404.66 | -0.4 |
| Reach 8 | 4830.884 | 100 YR | 5439.7 | 235.14 | 248.23 | | 248.24 | 0.000023 | 0.66 | 8270.51 | 982.93 | -1.6 |
| Reach 8 | 4830.884 | 200 YR | 7560.6 | 235.14 | 250.72 | | 250.73 | 0.00002 | 0.7 | 10841.03 | 1079.41 | -0.48 |
| Reach 8 | 4830.884 | 500 YR | 9873.4 | 235.14 | 252.03 | | 252.04 | 0.000024 | 0.81 | 12276.15 | 1115.38 | -0.36 |
| Reach 8 | 4216.983 | 100 YR | 5439.7 | 231.5 | 246.96 | | 247.06 | 0.000662 | 2.49 | 2181.69 | 426.95 | -1.92 |
| Reach 8 | 4216.983 | 200 YR | 7560.6 | 231.5 | 249.72 | | 249.8 | 0.000318 | 2.21 | 3422.12 | 462.86 | -0.41 |
| Reach 8 | 4216.983 | 500 YR | 9873.4 | 231.5 | 250.87 | | 250.96 | 0.000349 | 2.49 | 3962.29 | 479.17 | -0.31 |
| Reach 8 | 4059.872 | 100 YR | 5439.7 | 230.41 | 246.84 | 236.09 | 246.91 | 0.000148 | 2.05 | 2655.83 | 222.12 | -1.89 |
| Reach 8 | 4059.872 | 200 YR | 7560.6 | 230.41 | 249.58 | | 249.64 | 0.000281 | 1.96 | 3848.9 | 565.79 | -0.41 |
| Reach 8 | 4059.872 | 500 YR | 9873.4 | 230.41 | 250.71 | | 250.79 | 0.000319 | 2.19 | 4508.24 | 619.83 | -0.31 |

| | | | | | | | | | | | | | | |
|---------|----------|--------|--------|--------|--------|--------|--------|----------|-------|---------|---------|--|--|-------|
| Reach 8 | 3942.972 | 100 YR | 5439.7 | 230.25 | 243.9 | | 243.92 | 0.000206 | 1.33 | 4187.73 | 871.37 | | | -0.54 |
| Reach 8 | 3942.972 | 200 YR | 7560.6 | 230.25 | 245.16 | | 245.19 | 0.00024 | 1.42 | 5455.12 | 1158.39 | | | -0.35 |
| Reach 8 | 3942.972 | 500 YR | 9873.4 | 230.25 | 246.07 | | 246.1 | 0.000236 | 1.55 | 6522.84 | 1199.12 | | | -0.26 |
| Reach 8 | 3472.125 | 100 YR | 5439.7 | 227.99 | 239.72 | | 239.78 | 0.00049 | 1.86 | 2918.11 | 711.43 | | | -0.51 |
| Reach 8 | 3472.125 | 200 YR | 7560.6 | 227.99 | 240.83 | | 240.9 | 0.00043 | 2.04 | 3710.81 | 717.2 | | | -0.45 |
| Reach 8 | 3472.125 | 500 YR | 9873.4 | 227.99 | 241.97 | | 242.05 | 0.000383 | 2.18 | 4538.22 | 728.71 | | | -0.34 |
| Reach 8 | 2694.558 | 100 YR | 5439.7 | 227.07 | 235.14 | | 235.17 | 0.000167 | 1.44 | 3845.03 | 634.63 | | | -0.56 |
| Reach 8 | 2694.558 | 200 YR | 7560.6 | 227.07 | 236.64 | | 236.68 | 0.000157 | 1.61 | 4807.18 | 650.4 | | | -0.45 |
| Reach 8 | 2694.558 | 500 YR | 9873.4 | 227.07 | 237.81 | | 237.86 | 0.000166 | 1.81 | 5573.07 | 654.42 | | | -0.36 |
| Reach 8 | 2381.125 | 100 YR | 5439.7 | 226.84 | 232.8 | | 232.82 | 0.00017 | 1.14 | 4803.1 | 1115.91 | | | -0.8 |
| Reach 8 | 2381.125 | 200 YR | 7560.6 | 226.84 | 235.13 | | 235.14 | 0.000081 | 1.02 | 7469.08 | 1175.03 | | | -0.44 |
| Reach 8 | 2381.125 | 500 YR | 9873.4 | 226.84 | 236.26 | | 236.28 | 0.000082 | 1.13 | 8811.39 | 1215.76 | | | -0.33 |
| Reach 8 | 2233.088 | 100 YR | 5439.7 | 213.62 | 232.75 | | 232.77 | 0.000085 | 1.02 | 5569.02 | 931.13 | | | -0.8 |
| Reach 8 | 2233.088 | 200 YR | 7560.6 | 213.62 | 235.1 | | 235.11 | 0.000064 | 0.98 | 7983.1 | 1104.81 | | | -0.43 |
| Reach 8 | 2233.088 | 500 YR | 9873.4 | 213.62 | 236.22 | | 236.24 | 0.000068 | 1.11 | 9243.24 | 1128.08 | | | -0.34 |
| Reach 8 | 2107.736 | 100 YR | 5439.7 | 213.48 | 229.33 | | 229.49 | 0.000731 | 3.14 | 1732.99 | 254.89 | | | -0.87 |
| Reach 8 | 2107.736 | 200 YR | 7560.6 | 213.48 | 232.35 | | 232.46 | 0.000782 | 2.63 | 2879.13 | 591.96 | | | -0.37 |
| Reach 8 | 2107.736 | 500 YR | 9873.4 | 213.48 | 233.33 | | 233.46 | 0.000749 | 2.85 | 3469.48 | 611.93 | | | -0.31 |
| Reach 8 | 1917.119 | 100 YR | 5439.7 | 199.21 | 207.04 | 204.96 | 207.99 | 0.005292 | 7.81 | 696.24 | 114.57 | | | -0.59 |
| Reach 8 | 1917.119 | 200 YR | 7560.6 | 199.21 | 208.35 | 206.02 | 209.59 | 0.005519 | 8.9 | 849.03 | 117.62 | | | -0.51 |
| Reach 8 | 1917.119 | 500 YR | 9873.4 | 199.21 | 209.64 | 207.09 | 211.15 | 0.005648 | 9.85 | 1002.24 | 120.61 | | | -0.38 |
| Reach 8 | 1747.116 | 100 YR | 5439.7 | 74.28 | 78.78 | 78.78 | 80.68 | 0.019643 | 11.06 | 491.94 | 131.3 | | | -0.44 |
| Reach 8 | 1747.116 | 200 YR | 7560.6 | 74.28 | 79.73 | 79.73 | 82.06 | 0.018247 | 12.26 | 616.91 | 132.53 | | | -0.33 |
| Reach 8 | 1747.116 | 500 YR | 9873.4 | 74.28 | 80.63 | 80.63 | 83.42 | 0.017576 | 13.4 | 736.85 | 133.69 | | | -0.28 |
| Reach 8 | 1615.422 | 100 YR | 5439.7 | 51.25 | 55.68 | 58.19 | 64.09 | 0.095581 | 23.27 | 233.73 | 66.24 | | | -0.43 |
| Reach 8 | 1615.422 | 200 YR | 7560.6 | 51.25 | 56.66 | 59.64 | 66.53 | 0.085836 | 25.21 | 299.96 | 69.05 | | | -0.41 |
| Reach 8 | 1615.422 | 500 YR | 9873.4 | 51.25 | 57.64 | 60.93 | 68.62 | 0.080776 | 26.59 | 371.36 | 75.07 | | | -0.31 |
| Reach 8 | 1382.411 | 100 YR | 5439.7 | 27.13 | 46.43 | 33.78 | 46.49 | 0.000144 | 2.05 | 2650.85 | 213.43 | | | -1.29 |
| Reach 8 | 1382.411 | 200 YR | 7560.6 | 27.13 | 49.17 | 35.38 | 49.26 | 0.000149 | 2.33 | 3244.68 | 219.67 | | | -1.19 |
| Reach 8 | 1382.411 | 500 YR | 9873.4 | 27.13 | 51.84 | 36.86 | 51.94 | 0.000154 | 2.57 | 3843.38 | 228.63 | | | -0.64 |
| Reach 8 | 1262.946 | 100 YR | 5439.7 | 20.83 | 43.57 | | 43.67 | 0.0003 | 2.63 | 2069.3 | 196.41 | | | -1.19 |
| Reach 8 | 1262.946 | 200 YR | 7560.6 | 20.83 | 46.08 | | 46.21 | 0.000346 | 2.88 | 2626.92 | 244.87 | | | -1.12 |
| Reach 8 | 1262.946 | 500 YR | 9873.4 | 20.83 | 48.54 | | 48.67 | 0.000397 | 2.94 | 3359.18 | 341.23 | | | -0.6 |
| Reach 8 | 1171.695 | 100 YR | 5439.7 | 17.36 | 36.6 | | 36.74 | 0.000565 | 3.01 | 1804.24 | 223.08 | | | -1.09 |
| Reach 8 | 1171.695 | 200 YR | 7560.6 | 17.36 | 38.89 | | 39.05 | 0.000508 | 3.24 | 2333.3 | 238.71 | | | -0.75 |
| Reach 8 | 1171.695 | 500 YR | 9873.4 | 17.36 | 40.78 | | 40.97 | 0.000505 | 3.53 | 2797 | 250.44 | | | -0.56 |
| Reach 8 | 582.0234 | 100 YR | 5439.7 | 6.23 | 22.98 | | 23.41 | 0.001028 | 5.3 | 1068.99 | 238.87 | | | -0.49 |
| Reach 8 | 582.0234 | 200 YR | 7560.6 | 6.23 | 24.05 | | 24.68 | 0.001465 | 6.54 | 1468.34 | 528.04 | | | -0.35 |
| Reach 8 | 582.0234 | 500 YR | 9873.4 | 6.23 | 24.94 | | 25.71 | 0.001763 | 7.47 | 2057.87 | 822.33 | | | -0.25 |
| Reach 8 | 468.3845 | 100 YR | 5439.7 | 5.29 | 22.84 | | 23.08 | 0.000556 | 3.94 | 1421.69 | 311.41 | | | -0.47 |
| Reach 8 | 468.3845 | 200 YR | 7560.6 | 5.29 | 23.86 | | 24.21 | 0.00077 | 4.85 | 2007.78 | 684.34 | | | -0.34 |
| Reach 8 | 468.3845 | 500 YR | 9873.4 | 5.29 | 24.71 | | 25.14 | 0.000933 | 5.55 | 2633.27 | 760.09 | | | -0.23 |
| Reach 8 | 363.373 | 100 YR | 5514.1 | 3.57 | 22.52 | 13.94 | 22.82 | 0.001001 | 4.81 | 1904 | 813.87 | | | -0.51 |
| Reach 8 | 363.373 | 200 YR | 7660.3 | 3.57 | 23.61 | 15.86 | 23.89 | 0.001002 | 5 | 2869.07 | 937.75 | | | -0.35 |
| Reach 8 | 363.373 | 500 YR | 9999.9 | 3.57 | 24.49 | 17.58 | 24.75 | 0.001002 | 5.16 | 3821.69 | 1275.17 | | | -0.25 |

HEC-RAS Summary Table - Post Condition Reach 8 (w/Only Dunham Reservoir Management)

| River | Reach | River Sta | Profile (cfs) | Q Total (ft) | Min Ch El (ft) | W.S. Elev (ft) | Crit W.S. (ft) | E.G. Elev (ft/ft) | E.G. Slope (ft/s) | Vel Chnl (sq ft) | Flow Area (ft) | Top Width | WS. Elevation Benefit (ft) |
|---------|----------|-----------|------------------|-----------------|-------------------|-------------------|-------------------|----------------------|----------------------|---------------------|-------------------|-----------|-------------------------------|
| Reach 8 | 9084.866 | 100 YR | 5877.2 | 328.97 | 340.9 | 335.67 | 340.93 | 0.000163 | 1.43 | 4117.14 | 654.82 | 0.1 | -0.4 |
| Reach 8 | 9084.866 | 200 YR | 8157.5 | 328.97 | 342.61 | 336.16 | 342.64 | 0.000144 | 1.56 | 5240.96 | 663.9 | 0.1 | -0.17 |
| Reach 8 | 9084.866 | 500 YR | 10497.3 | 328.97 | 344.14 | 336.55 | 344.18 | 0.000132 | 1.68 | 6262.53 | 667.24 | 0.1 | -0.07 |
| Reach 8 | 8904.993 | 100 YR | 5877.2 | 324.05 | 340.55 | | 340.74 | 0.000743 | 3.47 | 1693.47 | 216.71 | 0.22 | -0.39 |
| Reach 8 | 8904.993 | 200 YR | 8157.5 | 324.05 | 342.22 | | 342.45 | 0.000921 | 3.86 | 2115.81 | 273.3 | 0.24 | -0.17 |
| Reach 8 | 8904.993 | 500 YR | 10497.3 | 324.05 | 343.73 | | 344 | 0.000884 | 4.13 | 2541.5 | 286.88 | 0.24 | -0.08 |
| Reach 8 | 8792.936 | 100 YR | 5877.2 | 322.64 | 340.57 | | 340.6 | 0.000128 | 1.44 | 4072.18 | 528.15 | 0.09 | -0.38 |
| Reach 8 | 8792.936 | 200 YR | 8157.5 | 322.64 | 342.25 | | 342.29 | 0.000129 | 1.64 | 4969.52 | 535.08 | 0.09 | -0.18 |
| Reach 8 | 8792.936 | 500 YR | 10497.3 | 322.64 | 343.78 | | 343.84 | 0.00013 | 1.81 | 5793.24 | 539.45 | 0.1 | -0.08 |
| Reach 8 | 8546.203 | 100 YR | 5877.2 | 318.6 | 326.57 | | 327.02 | 0.002351 | 5.39 | 1089.81 | 173.12 | 0.38 | -0.34 |
| Reach 8 | 8546.203 | 200 YR | 8157.5 | 318.6 | 328.11 | | 328.67 | 0.002279 | 5.99 | 1362.04 | 180.04 | 0.38 | -0.16 |
| Reach 8 | 8546.203 | 500 YR | 10497.3 | 318.6 | 329.55 | | 330.2 | 0.002222 | 6.45 | 1627.11 | 188.31 | 0.39 | -0.07 |
| Reach 8 | 8339.744 | 100 YR | 5877.2 | 315.29 | 320.95 | 320.95 | 323.37 | 0.018281 | 12.48 | 470.8 | 98.44 | 1.01 | -0.29 |
| Reach 8 | 8339.744 | 200 YR | 8157.5 | 315.29 | 322.17 | 322.17 | 325.11 | 0.017125 | 13.75 | 593.3 | 101.38 | 1 | -0.14 |
| Reach 8 | 8339.744 | 500 YR | 10497.3 | 315.29 | 323.29 | 323.29 | 326.7 | 0.016523 | 14.81 | 708.74 | 104.86 | 1 | -0.06 |
| Reach 8 | 8268.547 | 100 YR | 5877.2 | 304.66 | 313.83 | 315.16 | 318.1 | 0.026685 | 16.58 | 354.56 | 61.51 | 1.22 | -0.47 |
| Reach 8 | 8268.547 | 200 YR | 8157.5 | 304.66 | 315.84 | 316.69 | 319.82 | 0.029896 | 16.01 | 509.43 | 103.17 | 1.27 | -0.09 |
| Reach 8 | 8268.547 | 500 YR | 10497.3 | 304.66 | 316.67 | 317.79 | 321.48 | 0.030229 | 17.59 | 596.7 | 105.37 | 1.3 | -0.05 |
| Reach 8 | 8134.045 | 100 YR | 5877.2 | 283.79 | 288.84 | 291.51 | 298.01 | 0.088112 | 24.29 | 241.92 | 58.94 | 2.11 | -0.27 |
| Reach 8 | 8134.045 | 200 YR | 8157.5 | 283.79 | 290.2 | 293.11 | 299.84 | 0.071081 | 24.91 | 327.51 | 64.46 | 1.95 | -0.13 |
| Reach 8 | 8134.045 | 500 YR | 10497.3 | 283.79 | 291.29 | 294.62 | 302.07 | 0.064582 | 26.34 | 398.49 | 66.23 | 1.89 | -0.05 |
| Reach 8 | 8031.935 | 100 YR | 5877.2 | 280.22 | 287.51 | 287.53 | 290.3 | 0.017824 | 13.42 | 438.04 | 79.27 | 1.01 | -0.33 |
| Reach 8 | 8031.935 | 200 YR | 8157.5 | 280.22 | 288.93 | 288.94 | 292.31 | 0.016874 | 14.76 | 552.86 | 82.26 | 1 | -0.15 |
| Reach 8 | 8031.935 | 500 YR | 10497.3 | 280.22 | 290.3 | 290.3 | 294.13 | 0.016223 | 15.7 | 668.77 | 87.57 | 1 | -0.06 |
| Reach 8 | 7403.166 | 100 YR | 5877.2 | 253.84 | 270.98 | 258.98 | 271.02 | 0.000083 | 1.52 | 3855.15 | 327.65 | 0.08 | -0.57 |
| Reach 8 | 7403.166 | 200 YR | 8157.5 | 253.84 | 273.43 | 259.72 | 273.48 | 0.000092 | 1.74 | 4686.51 | 350.29 | 0.08 | -0.24 |
| Reach 8 | 7403.166 | 500 YR | 10497.3 | 253.84 | 275.78 | 260.39 | 275.84 | 0.0001 | 1.88 | 5570.85 | 395.3 | 0.09 | -0.1 |
| Reach 8 | 7175.604 | 100 YR | 5877.2 | 251.87 | 261.34 | | 261.74 | 0.002095 | 5.07 | 1158.9 | 185.94 | 0.36 | -0.48 |
| Reach 8 | 7175.604 | 200 YR | 8157.5 | 251.87 | 263.48 | | 263.9 | 0.001597 | 5.2 | 1567.34 | 196.7 | 0.33 | -0.23 |
| Reach 8 | 7175.604 | 500 YR | 10497.3 | 251.87 | 265.55 | | 265.99 | 0.001308 | 5.28 | 1988.17 | 209.75 | 0.3 | -0.1 |
| Reach 8 | 7033.063 | 100 YR | 5877.2 | 250.07 | 260.66 | | 260.97 | 0.00125 | 4.48 | 1312.52 | 169.52 | 0.28 | -0.51 |
| Reach 8 | 7033.063 | 200 YR | 8157.5 | 250.07 | 262.92 | | 263.28 | 0.001076 | 4.79 | 1704.18 | 176.53 | 0.27 | -0.24 |
| Reach 8 | 7033.063 | 500 YR | 10497.3 | 250.07 | 265.06 | | 265.45 | 0.000951 | 5.03 | 2088.03 | 181.78 | 0.26 | -0.1 |
| Reach 8 | 6186.399 | 100 YR | 5877.2 | 244.23 | 259.51 | | 259.51 | 0.00001 | 0.48 | 12233.07 | 1244.12 | 0.03 | -0.53 |
| Reach 8 | 6186.399 | 200 YR | 8157.5 | 244.23 | 261.87 | | 261.87 | 0.00001 | 0.54 | 15193.13 | 1264.11 | 0.03 | -0.25 |
| Reach 8 | 6186.399 | 500 YR | 10497.3 | 244.23 | 264.09 | | 264.1 | 0.000009 | 0.58 | 18031.84 | 1291.24 | 0.03 | -0.11 |
| Reach 8 | 5477.246 | 100 YR | 5877.2 | 240.03 | 258.9 | | 258.95 | 0.000159 | 1.91 | 3080.27 | 305.91 | 0.11 | -0.53 |
| Reach 8 | 5477.246 | 200 YR | 8157.5 | 240.03 | 261.26 | | 261.34 | 0.000158 | 2.14 | 3819.13 | 318 | 0.11 | -0.25 |
| Reach 8 | 5477.246 | 500 YR | 10497.3 | 240.03 | 263.49 | | 263.57 | 0.00016 | 2.31 | 4546.88 | 339.5 | 0.11 | -0.1 |
| Reach 8 | 5291.141 | 100 YR | 5877.2 | 237.73 | 250.08 | | 250.66 | 0.00187 | 6.15 | 955.74 | 99.48 | 0.35 | -0.38 |
| Reach 8 | 5291.141 | 200 YR | 8157.5 | 237.73 | 251.67 | | 252.49 | 0.00257 | 7.25 | 1125.39 | 116.65 | 0.41 | -0.15 |
| Reach 8 | 5291.141 | 500 YR | 10497.3 | 237.73 | 253 | | 254 | 0.003733 | 8.01 | 1310.87 | 156.5 | 0.49 | -0.06 |
| Reach 8 | 5077.036 | 100 YR | 5877.2 | 237.53 | 250.14 | | 250.19 | 0.000192 | 1.84 | 3189.41 | 389.49 | 0.11 | -0.41 |
| Reach 8 | 5077.036 | 200 YR | 8157.5 | 237.53 | 251.85 | | 251.92 | 0.000201 | 2.11 | 3860.77 | 395.69 | 0.12 | -0.16 |
| Reach 8 | 5077.036 | 500 YR | 10497.3 | 237.53 | 253.23 | | 253.32 | 0.00022 | 2.38 | 4415.98 | 406.03 | 0.13 | -0.07 |
| Reach 8 | 4830.884 | 100 YR | 5877.2 | 235.14 | 249.44 | | 249.45 | 0.000018 | 0.62 | 9487.82 | 1034.23 | 0.04 | -0.39 |
| Reach 8 | 4830.884 | 200 YR | 8157.5 | 235.14 | 251.06 | | 251.07 | 0.000021 | 0.73 | 11207.03 | 1088.76 | 0.04 | -0.14 |
| Reach 8 | 4830.884 | 500 YR | 10497.3 | 235.14 | 252.34 | | 252.35 | 0.000025 | 0.84 | 12621.71 | 1120.69 | 0.04 | -0.05 |
| Reach 8 | 4216.983 | 100 YR | 5877.2 | 231.5 | 248.53 | | 248.59 | 0.000333 | 2.04 | 2875.13 | 452.41 | 0.14 | -0.35 |
| Reach 8 | 4216.983 | 200 YR | 8157.5 | 231.5 | 250.01 | | 250.09 | 0.000329 | 2.29 | 3555.41 | 465.97 | 0.15 | -0.12 |
| Reach 8 | 4216.983 | 500 YR | 10497.3 | 231.5 | 251.13 | | 251.24 | 0.000358 | 2.57 | 4089.34 | 482.16 | 0.16 | -0.05 |
| Reach 8 | 4059.872 | 100 YR | 5877.2 | 230.41 | 248.37 | | 248.43 | 0.000298 | 1.85 | 3181.1 | 535.62 | 0.13 | -0.36 |
| Reach 8 | 4059.872 | 200 YR | 8157.5 | 230.41 | 249.86 | | 249.93 | 0.000289 | 2.03 | 4009.8 | 570.99 | 0.14 | -0.13 |
| Reach 8 | 4059.872 | 500 YR | 10497.3 | 230.41 | 250.97 | | 251.05 | 0.000329 | 2.25 | 4672.19 | 632.42 | 0.15 | -0.05 |

| | | | | | | | | | | | | | |
|---------|----------|--------|---------|--------|--------|--------|--------|----------|-------|---------|---------|------|-------|
| Reach 8 | 3942.972 | 100 YR | 5877.2 | 230.25 | 244.14 | | 244.17 | 0.00021 | 1.36 | 4398.51 | 890.13 | 0.11 | -0.3 |
| Reach 8 | 3942.972 | 200 YR | 8157.5 | 230.25 | 245.41 | | 245.44 | 0.000238 | 1.45 | 5737.61 | 1166.44 | 0.12 | -0.1 |
| Reach 8 | 3942.972 | 500 YR | 10497.3 | 230.25 | 246.29 | | 246.33 | 0.000234 | 1.58 | 6786.71 | 1199.7 | 0.12 | -0.04 |
| Reach 8 | 3472.125 | 100 YR | 5877.2 | 227.99 | 239.97 | | 240.02 | 0.000472 | 1.9 | 3091.57 | 712.45 | 0.16 | -0.26 |
| Reach 8 | 3472.125 | 200 YR | 8157.5 | 227.99 | 241.15 | | 241.21 | 0.000416 | 2.07 | 3937.18 | 723.87 | 0.16 | -0.13 |
| Reach 8 | 3472.125 | 500 YR | 10497.3 | 227.99 | 242.26 | | 242.34 | 0.000373 | 2.21 | 4746.5 | 729.83 | 0.15 | -0.05 |
| Reach 8 | 2694.558 | 100 YR | 5877.2 | 227.07 | 235.41 | | 235.44 | 0.000169 | 1.49 | 4014.48 | 636.19 | 0.1 | -0.29 |
| Reach 8 | 2694.558 | 200 YR | 8157.5 | 227.07 | 236.95 | | 237 | 0.000159 | 1.66 | 5012.22 | 651.45 | 0.1 | -0.14 |
| Reach 8 | 2694.558 | 500 YR | 10497.3 | 227.07 | 238.11 | | 238.17 | 0.000168 | 1.86 | 5769.76 | 655.83 | 0.11 | -0.06 |
| Reach 8 | 2381.125 | 100 YR | 5877.2 | 226.84 | 233.21 | | 233.23 | 0.000148 | 1.12 | 5258.72 | 1125.03 | 0.09 | -0.39 |
| Reach 8 | 2381.125 | 200 YR | 8157.5 | 226.84 | 235.44 | | 235.46 | 0.00008 | 1.05 | 7833.29 | 1176.35 | 0.07 | -0.13 |
| Reach 8 | 2381.125 | 500 YR | 10497.3 | 226.84 | 236.54 | | 236.56 | 0.000083 | 1.15 | 9156.24 | 1233.83 | 0.07 | -0.05 |
| Reach 8 | 2233.088 | 100 YR | 5877.2 | 213.62 | 233.16 | | 233.18 | 0.000083 | 1.03 | 5956.11 | 955.78 | 0.07 | -0.39 |
| Reach 8 | 2233.088 | 200 YR | 8157.5 | 213.62 | 235.4 | | 235.42 | 0.000065 | 1.02 | 8326.68 | 1115.12 | 0.07 | -0.13 |
| Reach 8 | 2233.088 | 500 YR | 10497.3 | 213.62 | 236.5 | | 236.52 | 0.000069 | 1.14 | 9561.65 | 1132.17 | 0.07 | -0.06 |
| Reach 8 | 2107.736 | 100 YR | 5877.2 | 213.48 | 229.82 | 219.06 | 229.97 | 0.000735 | 3.16 | 1860.11 | 272.45 | 0.21 | -0.38 |
| Reach 8 | 2107.736 | 200 YR | 8157.5 | 213.48 | 232.61 | | 232.73 | 0.000773 | 2.69 | 3035.07 | 597.3 | 0.21 | -0.11 |
| Reach 8 | 2107.736 | 500 YR | 10497.3 | 213.48 | 233.59 | | 233.72 | 0.00074 | 2.9 | 3625.03 | 617.8 | 0.21 | -0.05 |
| Reach 8 | 1917.119 | 100 YR | 5877.2 | 199.21 | 207.33 | 205.18 | 208.34 | 0.005336 | 8.05 | 729.7 | 115.24 | 0.56 | -0.3 |
| Reach 8 | 1917.119 | 200 YR | 8157.5 | 199.21 | 208.7 | 206.33 | 210.01 | 0.00556 | 9.17 | 889.7 | 118.42 | 0.59 | -0.16 |
| Reach 8 | 1917.119 | 500 YR | 10497.3 | 199.21 | 209.96 | 207.36 | 211.54 | 0.005686 | 10.09 | 1040.88 | 121.35 | 0.61 | -0.06 |
| Reach 8 | 1747.116 | 100 YR | 5877.2 | 74.28 | 78.98 | 78.98 | 80.98 | 0.019353 | 11.34 | 518.36 | 131.56 | 1.01 | -0.24 |
| Reach 8 | 1747.116 | 200 YR | 8157.5 | 74.28 | 79.97 | 79.97 | 82.43 | 0.018023 | 12.57 | 649.2 | 132.84 | 1 | -0.09 |
| Reach 8 | 1747.116 | 500 YR | 10497.3 | 74.28 | 80.86 | 80.86 | 83.77 | 0.017384 | 13.66 | 768.22 | 133.99 | 1.01 | -0.05 |
| Reach 8 | 1615.422 | 100 YR | 5877.2 | 51.25 | 55.88 | 58.49 | 64.65 | 0.093646 | 23.76 | 247.38 | 66.83 | 2.18 | -0.23 |
| Reach 8 | 1615.422 | 200 YR | 8157.5 | 51.25 | 56.95 | 59.99 | 67.01 | 0.08449 | 25.44 | 320.68 | 71.9 | 2.12 | -0.12 |
| Reach 8 | 1615.422 | 500 YR | 10497.3 | 51.25 | 57.9 | 61.25 | 69.09 | 0.077998 | 26.83 | 391.3 | 75.91 | 2.08 | -0.05 |
| Reach 8 | 1382.411 | 100 YR | 5877.2 | 27.13 | 47.08 | 34.07 | 47.15 | 0.000144 | 2.11 | 2791.12 | 214.83 | 0.1 | -0.64 |
| Reach 8 | 1382.411 | 200 YR | 8157.5 | 27.13 | 49.99 | 35.96 | 50.07 | 0.000148 | 2.38 | 3424.44 | 222.21 | 0.11 | -0.37 |
| Reach 8 | 1382.411 | 500 YR | 10497.3 | 27.13 | 52.37 | 37.13 | 52.48 | 0.000158 | 2.65 | 3965.12 | 229.65 | 0.11 | -0.11 |
| Reach 8 | 1262.946 | 100 YR | 5877.2 | 20.83 | 44.18 | | 44.29 | 0.000314 | 2.68 | 2194.73 | 210.5 | 0.15 | -0.58 |
| Reach 8 | 1262.946 | 200 YR | 8157.5 | 20.83 | 46.84 | | 46.97 | 0.000368 | 2.88 | 2831.02 | 277.76 | 0.16 | -0.36 |
| Reach 8 | 1262.946 | 500 YR | 10497.3 | 20.83 | 49.03 | | 49.17 | 0.000393 | 2.97 | 3529.11 | 350.21 | 0.17 | -0.11 |
| Reach 8 | 1171.695 | 100 YR | 5877.2 | 17.36 | 37.13 | | 37.28 | 0.000546 | 3.05 | 1924.54 | 227.35 | 0.19 | -0.56 |
| Reach 8 | 1171.695 | 200 YR | 8157.5 | 17.36 | 39.42 | | 39.59 | 0.000503 | 3.31 | 2461.89 | 242.02 | 0.18 | -0.22 |
| Reach 8 | 1171.695 | 500 YR | 10497.3 | 17.36 | 41.25 | | 41.45 | 0.000514 | 3.6 | 2914.65 | 256.96 | 0.19 | -0.09 |
| Reach 8 | 582.0234 | 100 YR | 5877.2 | 6.23 | 23.22 | | 23.7 | 0.001131 | 5.6 | 1133.15 | 298.48 | 0.27 | -0.25 |
| Reach 8 | 582.0234 | 200 YR | 8157.5 | 6.23 | 24.29 | | 24.98 | 0.001559 | 6.82 | 1606.85 | 583.66 | 0.32 | -0.11 |
| Reach 8 | 582.0234 | 500 YR | 10497.3 | 6.23 | 25.16 | | 25.94 | 0.00179 | 7.6 | 2243.32 | 848.7 | 0.34 | -0.03 |
| Reach 8 | 468.3845 | 100 YR | 5877.2 | 5.29 | 23.06 | | 23.33 | 0.00061 | 4.17 | 1513.17 | 495.5 | 0.21 | -0.25 |
| Reach 8 | 468.3845 | 200 YR | 8157.5 | 5.29 | 24.1 | | 24.47 | 0.00082 | 5.06 | 2173.68 | 716.22 | 0.24 | -0.1 |
| Reach 8 | 468.3845 | 500 YR | 10497.3 | 5.29 | 24.91 | | 25.35 | 0.000967 | 5.7 | 2785.67 | 761.47 | 0.26 | -0.03 |
| Reach 8 | 363.373 | 100 YR | 5951.7 | 3.57 | 22.77 | 14.36 | 23.06 | 0.001002 | 4.86 | 2108.18 | 834.03 | 0.25 | -0.26 |
| Reach 8 | 363.373 | 200 YR | 8257.2 | 3.57 | 23.86 | 16.31 | 24.13 | 0.001001 | 5.05 | 3107.13 | 1012.08 | 0.25 | -0.1 |
| Reach 8 | 363.373 | 500 YR | 10623.8 | 3.57 | 24.7 | 18.09 | 24.96 | 0.001 | 5.2 | 4099.07 | 1410.29 | 0.26 | -0.04 |

HEC-RAS Summary Table - Post Condition Reach 8

| River | Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) | Crit W.S. (ft) | E.G. Elev (ft) | E.G. Slope (ft/ft) | Vel Chnl (ft/s) | Flow Area (sq ft) | Top Width (ft) | WS. Elevation Benefit (ft) |
|--------------|---------|-----------|---------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|-------------------------------|
| Poesten Kill | Reach 8 | 9084.866 | 100 YR | 5132.8 | 328.97 | 340.28 | 335.33 | 340.31 | 0.000176 | 1.38 | 3708.35 | 652.98 | -1.02 |
| Poesten Kill | Reach 8 | 9084.866 | 200 YR | 7127.3 | 328.97 | 341.87 | 335.98 | 341.91 | 0.00015 | 1.5 | 4756.36 | 658.55 | -0.91 |
| Poesten Kill | Reach 8 | 9084.866 | 500 YR | 9324.1 | 328.97 | 343.39 | 336.36 | 343.43 | 0.000138 | 1.62 | 5759.88 | 665.98 | -0.82 |
| Poesten Kill | Reach 8 | 8904.993 | 100 YR | 5132.8 | 324.05 | 339.94 | | 340.11 | 0.000661 | 3.27 | 1568.26 | 200.45 | -1 |
| Poesten Kill | Reach 8 | 8904.993 | 200 YR | 7127.3 | 324.05 | 341.5 | | 341.71 | 0.00091 | 3.71 | 1923.25 | 260.96 | -0.89 |
| Poesten Kill | Reach 8 | 8904.993 | 500 YR | 9324.1 | 324.05 | 342.99 | | 343.24 | 0.000907 | 4 | 2329.8 | 281.31 | -0.82 |
| Poesten Kill | Reach 8 | 8792.936 | 100 YR | 5132.8 | 322.64 | 339.95 | | 339.98 | 0.000127 | 1.37 | 3748.45 | 524.34 | -1 |
| Poesten Kill | Reach 8 | 8792.936 | 200 YR | 7127.3 | 322.64 | 341.52 | | 341.56 | 0.000129 | 1.56 | 4579.94 | 533 | -0.91 |
| Poesten Kill | Reach 8 | 8792.936 | 500 YR | 9324.1 | 322.64 | 343.03 | | 343.08 | 0.00013 | 1.73 | 5387.29 | 537.3 | -0.83 |
| Poesten Kill | Reach 8 | 8546.203 | 100 YR | 5132.8 | 318.6 | 326.01 | | 326.42 | 0.002384 | 5.16 | 994.18 | 170.63 | -0.9 |
| Poesten Kill | Reach 8 | 8546.203 | 200 YR | 7127.3 | 318.6 | 327.44 | | 327.95 | 0.002306 | 5.74 | 1242.48 | 177.03 | -0.83 |
| Poesten Kill | Reach 8 | 8546.203 | 500 YR | 9324.1 | 318.6 | 328.83 | | 329.44 | 0.002245 | 6.24 | 1493.92 | 183.29 | -0.79 |
| Poesten Kill | Reach 8 | 8339.744 | 100 YR | 5132.8 | 315.29 | 320.52 | 320.52 | 322.74 | 0.01865 | 11.96 | 429.18 | 97.42 | -0.72 |
| Poesten Kill | Reach 8 | 8339.744 | 200 YR | 7127.3 | 315.29 | 321.63 | 321.63 | 324.35 | 0.017633 | 13.23 | 538.83 | 100.08 | -0.68 |
| Poesten Kill | Reach 8 | 8339.744 | 500 YR | 9324.1 | 315.29 | 322.75 | 322.75 | 325.93 | 0.016679 | 14.29 | 652.42 | 102.76 | -0.6 |
| Poesten Kill | Reach 8 | 8268.547 | 100 YR | 5132.8 | 304.66 | 313.22 | 314.11 | 317.28 | 0.028296 | 16.18 | 317.29 | 59.98 | -1.08 |
| Poesten Kill | Reach 8 | 8268.547 | 200 YR | 7127.3 | 304.66 | 315.03 | 316.19 | 319.19 | 0.02701 | 16.37 | 435.43 | 78.21 | -0.9 |
| Poesten Kill | Reach 8 | 8268.547 | 500 YR | 9324.1 | 304.66 | 316.27 | 317.26 | 320.66 | 0.029926 | 16.81 | 554.74 | 104.32 | -0.45 |
| Poesten Kill | Reach 8 | 8134.045 | 100 YR | 5132.8 | 283.79 | 288.53 | 290.96 | 296.72 | 0.085767 | 22.96 | 223.57 | 58.31 | -0.58 |
| Poesten Kill | Reach 8 | 8134.045 | 200 YR | 7127.3 | 283.79 | 289.54 | 292.41 | 299.26 | 0.083485 | 25.02 | 284.88 | 63.38 | -0.79 |
| Poesten Kill | Reach 8 | 8134.045 | 500 YR | 9324.1 | 283.79 | 290.75 | 293.85 | 301.01 | 0.067794 | 25.69 | 362.88 | 65.35 | -0.59 |
| Poesten Kill | Reach 8 | 8031.935 | 100 YR | 5132.8 | 280.22 | 287.02 | 287.02 | 289.58 | 0.018034 | 12.84 | 399.65 | 78.24 | -0.82 |
| Poesten Kill | Reach 8 | 8031.935 | 200 YR | 7127.3 | 280.22 | 288.32 | 288.32 | 291.44 | 0.017098 | 14.15 | 503.67 | 80.99 | -0.76 |
| Poesten Kill | Reach 8 | 8031.935 | 500 YR | 9324.1 | 280.22 | 289.63 | 289.63 | 293.25 | 0.016467 | 15.26 | 611.1 | 84.58 | -0.73 |
| Poesten Kill | Reach 8 | 7403.166 | 100 YR | 5132.8 | 253.84 | 270.05 | 258.73 | 270.09 | 0.00008 | 1.44 | 3555.55 | 317.12 | -1.5 |
| Poesten Kill | Reach 8 | 7403.166 | 200 YR | 7127.3 | 253.84 | 272.39 | 259.39 | 272.44 | 0.000089 | 1.65 | 4327.5 | 342.88 | -1.28 |
| Poesten Kill | Reach 8 | 7403.166 | 500 YR | 9324.1 | 253.84 | 274.73 | 260.07 | 274.78 | 0.000097 | 1.81 | 5160.05 | 381.03 | -1.15 |
| Poesten Kill | Reach 8 | 7175.604 | 100 YR | 5132.8 | 251.87 | 260.57 | | 260.96 | 0.002411 | 5.05 | 1016.26 | 182.58 | -1.25 |
| Poesten Kill | Reach 8 | 7175.604 | 200 YR | 7127.3 | 251.87 | 262.54 | | 262.95 | 0.001769 | 5.15 | 1385.22 | 191.14 | -1.17 |
| Poesten Kill | Reach 8 | 7175.604 | 500 YR | 9324.1 | 251.87 | 264.55 | | 264.97 | 0.001429 | 5.24 | 1780.57 | 203.41 | -1.1 |
| Poesten Kill | Reach 8 | 7033.063 | 100 YR | 5132.8 | 250.07 | 259.81 | | 260.11 | 0.001336 | 4.38 | 1170.82 | 164.41 | -1.36 |
| Poesten Kill | Reach 8 | 7033.063 | 200 YR | 7127.3 | 250.07 | 261.94 | | 262.27 | 0.001141 | 4.65 | 1532.05 | 173.75 | -1.22 |
| Poesten Kill | Reach 8 | 7033.063 | 500 YR | 9324.1 | 250.07 | 264.03 | | 264.4 | 0.001001 | 4.9 | 1901.54 | 179.25 | -1.13 |
| Poesten Kill | Reach 8 | 6186.399 | 100 YR | 5132.8 | 244.23 | 258.58 | | 258.58 | 0.000011 | 0.46 | 11083.24 | 1237.94 | -1.46 |
| Poesten Kill | Reach 8 | 6186.399 | 200 YR | 7127.3 | 244.23 | 260.85 | | 260.86 | 0.00001 | 0.51 | 13914.55 | 1253.8 | -1.27 |
| Poesten Kill | Reach 8 | 6186.399 | 500 YR | 9324.1 | 244.23 | 263.03 | | 263.04 | 0.000009 | 0.56 | 16671.37 | 1275.4 | -1.17 |
| Poesten Kill | Reach 8 | 5477.246 | 100 YR | 5132.8 | 240.03 | 257.95 | | 258 | 0.00016 | 1.84 | 2795.16 | 295.8 | -1.48 |
| Poesten Kill | Reach 8 | 5477.246 | 200 YR | 7127.3 | 240.03 | 260.25 | | 260.31 | 0.000158 | 2.04 | 3498.89 | 312.82 | -1.26 |
| Poesten Kill | Reach 8 | 5477.246 | 500 YR | 9324.1 | 240.03 | 262.44 | | 262.51 | 0.000157 | 2.22 | 4195.51 | 326.74 | -1.15 |
| Poesten Kill | Reach 8 | 5291.141 | 100 YR | 5132.8 | 237.73 | 248.86 | | 249.44 | 0.002118 | 6.14 | 836.24 | 96.48 | -1.6 |
| Poesten Kill | Reach 8 | 5291.141 | 200 YR | 7127.3 | 237.73 | 251.05 | | 251.76 | 0.002209 | 6.76 | 1054.89 | 108.13 | -0.77 |
| Poesten Kill | Reach 8 | 5291.141 | 500 YR | 9324.1 | 237.73 | 252.35 | | 253.27 | 0.003367 | 7.68 | 1214.81 | 142.76 | -0.71 |
| Poesten Kill | Reach 8 | 5077.036 | 100 YR | 5132.8 | 237.53 | 248.83 | | 248.89 | 0.000256 | 1.91 | 2681.97 | 384.74 | -1.72 |
| Poesten Kill | Reach 8 | 5077.036 | 200 YR | 7127.3 | 237.53 | 251.19 | | 251.25 | 0.000192 | 1.98 | 3598.35 | 393.28 | -0.82 |
| Poesten Kill | Reach 8 | 5077.036 | 500 YR | 9324.1 | 237.53 | 252.56 | | 252.64 | 0.000212 | 2.25 | 4142.82 | 401.82 | -0.74 |
| Poesten Kill | Reach 8 | 4830.884 | 100 YR | 5132.8 | 235.14 | 247.93 | | 247.94 | 0.000023 | 0.64 | 7975.93 | 974.4 | -1.9 |
| Poesten Kill | Reach 8 | 4830.884 | 200 YR | 7127.3 | 235.14 | 250.45 | | 250.46 | 0.00002 | 0.68 | 10548.56 | 1071.88 | -0.75 |
| Poesten Kill | Reach 8 | 4830.884 | 500 YR | 9324.1 | 235.14 | 251.71 | | 251.72 | 0.000023 | 0.79 | 11920.33 | 1106.74 | -0.68 |
| Poesten Kill | Reach 8 | 4216.983 | 100 YR | 5132.8 | 231.5 | 246.65 | | 246.75 | 0.000706 | 2.5 | 2051.15 | 419.16 | -2.23 |
| Poesten Kill | Reach 8 | 4216.983 | 200 YR | 7127.3 | 231.5 | 249.48 | | 249.55 | 0.000313 | 2.15 | 3311.27 | 460.47 | -0.65 |
| Poesten Kill | Reach 8 | 4216.983 | 500 YR | 9324.1 | 231.5 | 250.57 | | 250.67 | 0.000347 | 2.44 | 3821.51 | 475.84 | -0.61 |

| | | | | | | | | | | | | | | |
|--------------|---------|----------|--------|--------|--------|--------|--------|--------|----------|-------|---------|---------|--|-------|
| Poesten Kill | Reach 8 | 4059.872 | 100 YR | 5132.8 | 230.41 | 246.54 | | 246.6 | 0.000143 | 1.98 | 2588.33 | 221.17 | | -2.19 |
| Poesten Kill | Reach 8 | 4059.872 | 200 YR | 7127.3 | 230.41 | 249.34 | | 249.4 | 0.000279 | 1.92 | 3713.8 | 563.05 | | -0.65 |
| Poesten Kill | Reach 8 | 4059.872 | 500 YR | 9324.1 | 230.41 | 250.42 | | 250.49 | 0.000303 | 2.15 | 4332.45 | 588.25 | | -0.6 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 3942.972 | 100 YR | 5132.8 | 230.25 | 243.69 | | 243.72 | 0.0002 | 1.31 | 4011.14 | 834 | | -0.75 |
| Poesten Kill | Reach 8 | 3942.972 | 200 YR | 7127.3 | 230.25 | 244.96 | | 244.98 | 0.000238 | 1.39 | 5218.54 | 1124.46 | | -0.55 |
| Poesten Kill | Reach 8 | 3942.972 | 500 YR | 9324.1 | 230.25 | 245.87 | | 245.9 | 0.000238 | 1.52 | 6286.16 | 1197.94 | | -0.46 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 3472.125 | 100 YR | 5132.8 | 227.99 | 239.54 | | 239.6 | 0.000504 | 1.84 | 2791.79 | 710.62 | | -0.69 |
| Poesten Kill | Reach 8 | 3472.125 | 200 YR | 7127.3 | 227.99 | 240.6 | | 240.67 | 0.000442 | 2.01 | 3545.97 | 714.88 | | -0.68 |
| Poesten Kill | Reach 8 | 3472.125 | 500 YR | 9324.1 | 227.99 | 241.72 | | 241.79 | 0.000392 | 2.14 | 4350.79 | 727.7 | | -0.59 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 2694.558 | 100 YR | 5132.8 | 227.07 | 234.96 | | 234.99 | 0.000164 | 1.4 | 3729.28 | 633.56 | | -0.74 |
| Poesten Kill | Reach 8 | 2694.558 | 200 YR | 7127.3 | 227.07 | 236.4 | | 236.44 | 0.000155 | 1.56 | 4651.65 | 649.25 | | -0.69 |
| Poesten Kill | Reach 8 | 2694.558 | 500 YR | 9324.1 | 227.07 | 237.55 | | 237.6 | 0.000164 | 1.76 | 5400.51 | 653.5 | | -0.62 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 2381.125 | 100 YR | 5132.8 | 226.84 | 232.36 | | 232.38 | 0.000214 | 1.2 | 4308.35 | 1105.92 | | -1.24 |
| Poesten Kill | Reach 8 | 2381.125 | 200 YR | 7127.3 | 226.84 | 234.89 | | 234.9 | 0.000081 | 1 | 7186.85 | 1173.45 | | -0.68 |
| Poesten Kill | Reach 8 | 2381.125 | 500 YR | 9324.1 | 226.84 | 236 | | 236.02 | 0.000082 | 1.1 | 8504.34 | 1203.68 | | -0.59 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 2233.088 | 100 YR | 5132.8 | 213.62 | 232.3 | | 232.31 | 0.000092 | 1.04 | 5158.53 | 887.59 | | -1.25 |
| Poesten Kill | Reach 8 | 2233.088 | 200 YR | 7127.3 | 213.62 | 234.86 | | 234.87 | 0.000063 | 0.96 | 7718.31 | 1099.48 | | -0.67 |
| Poesten Kill | Reach 8 | 2233.088 | 500 YR | 9324.1 | 213.62 | 235.97 | | 235.99 | 0.000067 | 1.08 | 8958.12 | 1124.26 | | -0.59 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 2107.736 | 100 YR | 5132.8 | 213.48 | 228.73 | | 228.89 | 0.000716 | 3.23 | 1588.14 | 219.17 | | -1.47 |
| Poesten Kill | Reach 8 | 2107.736 | 200 YR | 7127.3 | 213.48 | 232.14 | 219.78 | 232.24 | 0.000789 | 2.59 | 2752 | 581.31 | | -0.58 |
| Poesten Kill | Reach 8 | 2107.736 | 500 YR | 9324.1 | 213.48 | 233.11 | | 233.23 | 0.000755 | 2.8 | 3333.46 | 607.39 | | -0.53 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1917.119 | 100 YR | 5132.8 | 199.21 | 206.82 | 204.8 | 207.73 | 0.005269 | 7.64 | 671.78 | 114.07 | | -0.81 |
| Poesten Kill | Reach 8 | 1917.119 | 200 YR | 7127.3 | 199.21 | 208.1 | 205.81 | 209.27 | 0.005486 | 8.7 | 818.82 | 117.03 | | -0.76 |
| Poesten Kill | Reach 8 | 1917.119 | 500 YR | 9324.1 | 199.21 | 209.34 | 206.83 | 210.79 | 0.005639 | 9.65 | 966.01 | 119.91 | | -0.68 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1747.116 | 100 YR | 5132.8 | 74.28 | 78.64 | 78.64 | 80.47 | 0.019793 | 10.85 | 473.1 | 130.8 | | -0.58 |
| Poesten Kill | Reach 8 | 1747.116 | 200 YR | 7127.3 | 74.28 | 79.55 | 79.55 | 81.79 | 0.018429 | 12.02 | 592.93 | 132.29 | | -0.51 |
| Poesten Kill | Reach 8 | 1747.116 | 500 YR | 9324.1 | 74.28 | 80.43 | 80.43 | 83.11 | 0.017608 | 13.12 | 710.62 | 133.43 | | -0.48 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1615.422 | 100 YR | 5132.8 | 51.25 | 55.54 | 57.96 | 63.66 | 0.096288 | 22.86 | 224.58 | 65.84 | | -0.57 |
| Poesten Kill | Reach 8 | 1615.422 | 200 YR | 7127.3 | 51.25 | 56.46 | 59.34 | 66.08 | 0.087743 | 24.88 | 286.52 | 68.49 | | -0.61 |
| Poesten Kill | Reach 8 | 1615.422 | 500 YR | 9324.1 | 51.25 | 57.44 | 60.63 | 68.07 | 0.081467 | 26.15 | 356.54 | 74.45 | | -0.51 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1382.411 | 100 YR | 5132.8 | 27.13 | 44.01 | 33.57 | 44.1 | 0.000251 | 2.4 | 2140.44 | 208.05 | | -3.71 |
| Poesten Kill | Reach 8 | 1382.411 | 200 YR | 7127.3 | 27.13 | 48.66 | 34.98 | 48.74 | 0.000148 | 2.27 | 3133 | 218.07 | | -1.7 |
| Poesten Kill | Reach 8 | 1382.411 | 500 YR | 9324.1 | 27.13 | 51.32 | 36.66 | 51.41 | 0.000151 | 2.5 | 3723.36 | 227.61 | | -1.16 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1262.946 | 100 YR | 5132.8 | 20.83 | 40.13 | | 40.29 | 0.000296 | 3.19 | 1610.69 | 108.83 | | -4.63 |
| Poesten Kill | Reach 8 | 1262.946 | 200 YR | 7127.3 | 20.83 | 45.62 | | 45.74 | 0.000339 | 2.83 | 2515.67 | 235.91 | | -1.58 |
| Poesten Kill | Reach 8 | 1262.946 | 500 YR | 9324.1 | 20.83 | 48.06 | | 48.19 | 0.000392 | 2.92 | 3197.55 | 325.37 | | -1.08 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 1171.695 | 100 YR | 5132.8 | 17.36 | 34 | | 34.2 | 0.00043 | 3.58 | 1433.41 | 104.81 | | -3.69 |
| Poesten Kill | Reach 8 | 1171.695 | 200 YR | 7127.3 | 17.36 | 38.47 | | 38.63 | 0.000514 | 3.19 | 2234.24 | 236.13 | | -1.17 |
| Poesten Kill | Reach 8 | 1171.695 | 500 YR | 9324.1 | 17.36 | 40.38 | | 40.57 | 0.000501 | 3.46 | 2697.4 | 247.97 | | -0.96 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 582.0234 | 100 YR | 5132.8 | 6.23 | 22.79 | | 23.19 | 0.000956 | 5.09 | 1028.76 | 188.65 | | -0.68 |
| Poesten Kill | Reach 8 | 582.0234 | 200 YR | 7127.3 | 6.23 | 23.86 | | 24.46 | 0.001382 | 6.32 | 1376.12 | 477.53 | | -0.54 |
| Poesten Kill | Reach 8 | 582.0234 | 500 YR | 9324.1 | 6.23 | 24.74 | | 25.49 | 0.001721 | 7.31 | 1900.15 | 765.26 | | -0.45 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 468.3845 | 100 YR | 5132.8 | 5.29 | 22.66 | | 22.88 | 0.000515 | 3.78 | 1379.25 | 195.53 | | -0.65 |
| Poesten Kill | Reach 8 | 468.3845 | 200 YR | 7127.3 | 5.29 | 23.68 | | 24.02 | 0.000731 | 4.69 | 1888.37 | 664.72 | | -0.52 |
| Poesten Kill | Reach 8 | 468.3845 | 500 YR | 9324.1 | 5.29 | 24.53 | | 24.94 | 0.000902 | 5.4 | 2492.22 | 758.81 | | -0.41 |
| | | | | | | | | | | | | | | |
| Poesten Kill | Reach 8 | 363.373 | 100 YR | 5207.3 | 3.57 | 22.32 | 13.63 | 22.63 | 0.001002 | 4.78 | 1746.63 | 801.82 | | -0.71 |
| Poesten Kill | Reach 8 | 363.373 | 200 YR | 7227 | 3.57 | 23.42 | 15.52 | 23.71 | 0.001002 | 4.97 | 2696.72 | 923.35 | | -0.54 |
| Poesten Kill | Reach 8 | 363.373 | 500 YR | 9450.5 | 3.57 | 24.3 | 17.15 | 24.56 | 0.001001 | 5.12 | 3588.22 | 1164.45 | | -0.44 |

HEC-RAS Summary Table - Existing Condition Reach 8

| River | Reach | River Sta | Profile | Q Total (cfs) | Min Ch El (ft) | W.S. Elev (ft) | Crit W.S. (ft) | E.G. Elev (ft) | E.G. Slope (ft/ft) | Vel Chnl (ft/s) | Flow Area (sq ft) | Top Width (ft) | Froude # Chl |
|--------------|---------|-----------|---------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|----------------------|-------------------|--------------|
| Poesten Kill | Reach 8 | 9084.866 | 100 YR | 6371.3 | 328.97 | 341.3 | 335.81 | 341.33 | 0.000157 | 1.45 | 4378.93 | 656.32 | 0.1 |
| Poesten Kill | Reach 8 | 9084.866 | 200 YR | 8416.1 | 328.97 | 342.78 | 336.21 | 342.82 | 0.000142 | 1.57 | 5358.79 | 664.54 | 0.1 |
| Poesten Kill | Reach 8 | 9084.866 | 500 YR | 10616.1 | 328.97 | 344.21 | 336.56 | 344.26 | 0.000132 | 1.68 | 6310.83 | 667.36 | 0.1 |
| Poesten Kill | Reach 8 | 8904.993 | 100 YR | 6371.3 | 324.05 | 340.94 | | 341.14 | 0.000835 | 3.58 | 1780.71 | 238.28 | 0.23 |
| Poesten Kill | Reach 8 | 8904.993 | 200 YR | 8416.1 | 324.05 | 342.39 | | 342.63 | 0.000922 | 3.89 | 2163.86 | 276.08 | 0.24 |
| Poesten Kill | Reach 8 | 8904.993 | 500 YR | 10616.1 | 324.05 | 343.81 | | 344.07 | 0.000882 | 4.14 | 2561.95 | 287.41 | 0.24 |
| Poesten Kill | Reach 8 | 8792.936 | 100 YR | 6371.3 | 322.64 | 340.95 | | 340.99 | 0.000128 | 1.49 | 4278.35 | 530.38 | 0.09 |
| Poesten Kill | Reach 8 | 8792.936 | 200 YR | 8416.1 | 322.64 | 342.43 | | 342.47 | 0.000129 | 1.66 | 5064.24 | 535.59 | 0.1 |
| Poesten Kill | Reach 8 | 8792.936 | 500 YR | 10616.1 | 322.64 | 343.86 | | 343.91 | 0.00013 | 1.82 | 5832.15 | 539.65 | 0.1 |
| Poesten Kill | Reach 8 | 8546.203 | 100 YR | 6371.3 | 318.6 | 326.91 | | 327.39 | 0.002339 | 5.54 | 1149.98 | 174.68 | 0.38 |
| Poesten Kill | Reach 8 | 8546.203 | 200 YR | 8416.1 | 318.6 | 328.27 | | 328.84 | 0.002271 | 6.05 | 1391.54 | 180.77 | 0.38 |
| Poesten Kill | Reach 8 | 8546.203 | 500 YR | 10616.1 | 318.6 | 329.62 | | 330.27 | 0.002219 | 6.47 | 1640.77 | 188.89 | 0.39 |
| Poesten Kill | Reach 8 | 8339.744 | 100 YR | 6371.3 | 315.29 | 321.24 | 321.24 | 323.77 | 0.017824 | 12.75 | 499.75 | 99.14 | 1 |
| Poesten Kill | Reach 8 | 8339.744 | 200 YR | 8416.1 | 315.29 | 322.31 | 322.31 | 325.3 | 0.017008 | 13.87 | 606.72 | 101.69 | 1 |
| Poesten Kill | Reach 8 | 8339.744 | 500 YR | 10616.1 | 315.29 | 323.35 | 323.35 | 326.78 | 0.016512 | 14.86 | 714.29 | 105.07 | 1 |
| Poesten Kill | Reach 8 | 8268.547 | 100 YR | 6371.3 | 304.66 | 314.3 | 315.76 | 318.58 | 0.026068 | 16.59 | 384.09 | 65.41 | 1.21 |
| Poesten Kill | Reach 8 | 8268.547 | 200 YR | 8416.1 | 304.66 | 315.93 | 316.8 | 320.01 | 0.029916 | 16.2 | 519.58 | 103.43 | 1.27 |
| Poesten Kill | Reach 8 | 8268.547 | 500 YR | 10616.1 | 304.66 | 316.72 | 317.84 | 321.56 | 0.030219 | 17.66 | 601.1 | 105.48 | 1.3 |
| Poesten Kill | Reach 8 | 8134.045 | 100 YR | 6371.3 | 283.79 | 289.11 | 291.9 | 298.57 | 0.090501 | 24.67 | 258.26 | 62.69 | 2.14 |
| Poesten Kill | Reach 8 | 8134.045 | 200 YR | 8416.1 | 283.79 | 290.33 | 293.28 | 300.11 | 0.07029 | 25.09 | 335.45 | 64.66 | 1.94 |
| Poesten Kill | Reach 8 | 8134.045 | 500 YR | 10616.1 | 283.79 | 291.34 | 294.71 | 302.18 | 0.064345 | 26.41 | 401.94 | 66.31 | 1.89 |
| Poesten Kill | Reach 8 | 8031.935 | 100 YR | 6371.3 | 280.22 | 287.84 | 287.85 | 290.76 | 0.017492 | 13.71 | 464.55 | 79.97 | 1 |
| Poesten Kill | Reach 8 | 8031.935 | 200 YR | 8416.1 | 280.22 | 289.08 | 289.09 | 292.52 | 0.016783 | 14.89 | 565.38 | 82.58 | 1 |
| Poesten Kill | Reach 8 | 8031.935 | 500 YR | 10616.1 | 280.22 | 290.36 | 290.36 | 294.21 | 0.016187 | 15.74 | 674.27 | 87.7 | 1 |
| Poesten Kill | Reach 8 | 7403.166 | 100 YR | 6371.3 | 253.84 | 271.55 | 259.17 | 271.59 | 0.000086 | 1.58 | 4044.83 | 333.71 | 0.08 |
| Poesten Kill | Reach 8 | 7403.166 | 200 YR | 8416.1 | 253.84 | 273.67 | 259.8 | 273.72 | 0.000093 | 1.76 | 4772.85 | 351.7 | 0.08 |
| Poesten Kill | Reach 8 | 7403.166 | 500 YR | 10616.1 | 253.84 | 275.88 | 260.42 | 275.93 | 0.000101 | 1.89 | 5607.96 | 395.62 | 0.09 |
| Poesten Kill | Reach 8 | 7175.604 | 100 YR | 6371.3 | 251.87 | 261.82 | | 262.22 | 0.001955 | 5.11 | 1247.76 | 188 | 0.35 |
| Poesten Kill | Reach 8 | 7175.604 | 200 YR | 8416.1 | 251.87 | 263.71 | | 264.13 | 0.001562 | 5.22 | 1612.75 | 198.15 | 0.32 |
| Poesten Kill | Reach 8 | 7175.604 | 500 YR | 10616.1 | 251.87 | 265.65 | | 266.08 | 0.001298 | 5.29 | 2008.72 | 210.36 | 0.3 |
| Poesten Kill | Reach 8 | 7033.063 | 100 YR | 6371.3 | 250.07 | 261.17 | | 261.49 | 0.001206 | 4.55 | 1399.1 | 171.2 | 0.28 |
| Poesten Kill | Reach 8 | 7033.063 | 200 YR | 8416.1 | 250.07 | 263.16 | | 263.52 | 0.001061 | 4.82 | 1746.41 | 177.12 | 0.27 |
| Poesten Kill | Reach 8 | 7033.063 | 500 YR | 10616.1 | 250.07 | 265.16 | | 265.56 | 0.000947 | 5.04 | 2106.23 | 182.03 | 0.26 |
| Poesten Kill | Reach 8 | 6186.399 | 100 YR | 6371.3 | 244.23 | 260.04 | | 260.04 | 0.00001 | 0.49 | 12896.47 | 1247.95 | 0.03 |
| Poesten Kill | Reach 8 | 6186.399 | 200 YR | 8416.1 | 244.23 | 262.12 | | 262.12 | 0.00001 | 0.54 | 15504.31 | 1267.07 | 0.03 |
| Poesten Kill | Reach 8 | 6186.399 | 500 YR | 10616.1 | 244.23 | 264.2 | | 264.2 | 0.000009 | 0.58 | 18163.65 | 1292.77 | 0.03 |
| Poesten Kill | Reach 8 | 5477.246 | 100 YR | 6371.3 | 240.03 | 259.43 | | 259.49 | 0.000159 | 1.96 | 3244.13 | 308.64 | 0.11 |
| Poesten Kill | Reach 8 | 5477.246 | 200 YR | 8416.1 | 240.03 | 261.51 | | 261.58 | 0.000158 | 2.16 | 3897.17 | 319.25 | 0.11 |
| Poesten Kill | Reach 8 | 5477.246 | 500 YR | 10616.1 | 240.03 | 263.59 | | 263.68 | 0.00016 | 2.32 | 4581.31 | 340.73 | 0.11 |
| Poesten Kill | Reach 8 | 5291.141 | 100 YR | 6371.3 | 237.73 | 250.46 | | 251.09 | 0.00196 | 6.41 | 993.59 | 100.42 | 0.36 |
| Poesten Kill | Reach 8 | 5291.141 | 200 YR | 8416.1 | 237.73 | 251.82 | | 252.66 | 0.002667 | 7.36 | 1142.92 | 119.02 | 0.42 |
| Poesten Kill | Reach 8 | 5291.141 | 500 YR | 10616.1 | 237.73 | 253.06 | | 254.06 | 0.003772 | 8.04 | 1319.97 | 157.83 | 0.49 |
| Poesten Kill | Reach 8 | 5077.036 | 100 YR | 6371.3 | 237.53 | 250.55 | | 250.6 | 0.000193 | 1.9 | 3348.42 | 390.97 | 0.11 |
| Poesten Kill | Reach 8 | 5077.036 | 200 YR | 8416.1 | 237.53 | 252.01 | | 252.08 | 0.000203 | 2.14 | 3923.87 | 396.27 | 0.12 |
| Poesten Kill | Reach 8 | 5077.036 | 500 YR | 10616.1 | 237.53 | 253.3 | | 253.38 | 0.000221 | 2.39 | 4440.75 | 406.28 | 0.13 |
| Poesten Kill | Reach 8 | 4830.884 | 100 YR | 6371.3 | 235.14 | 249.83 | | 249.83 | 0.000019 | 0.65 | 9888.61 | 1049.73 | 0.04 |
| Poesten Kill | Reach 8 | 4830.884 | 200 YR | 8416.1 | 235.14 | 251.2 | | 251.21 | 0.000022 | 0.74 | 11366.35 | 1092.8 | 0.04 |
| Poesten Kill | Reach 8 | 4830.884 | 500 YR | 10616.1 | 235.14 | 252.39 | | 252.4 | 0.000025 | 0.84 | 12683.63 | 1121.46 | 0.04 |
| Poesten Kill | Reach 8 | 4216.983 | 100 YR | 6371.3 | 231.5 | 248.88 | | 248.95 | 0.000329 | 2.1 | 3035.34 | 455.39 | 0.14 |
| Poesten Kill | Reach 8 | 4216.983 | 200 YR | 8416.1 | 231.5 | 250.13 | | 250.22 | 0.000335 | 2.33 | 3613.83 | 469.21 | 0.15 |
| Poesten Kill | Reach 8 | 4216.983 | 500 YR | 10616.1 | 231.5 | 251.18 | | 251.28 | 0.00036 | 2.58 | 4111.72 | 482.68 | 0.16 |
| Poesten Kill | Reach 8 | 4059.872 | 100 YR | 6371.3 | 230.41 | 248.73 | | 248.78 | 0.000294 | 1.89 | 3372.97 | 543.18 | 0.13 |
| Poesten Kill | Reach 8 | 4059.872 | 200 YR | 8416.1 | 230.41 | 249.99 | | 250.05 | 0.000292 | 2.06 | 4080.29 | 574.34 | 0.14 |
| Poesten Kill | Reach 8 | 4059.872 | 500 YR | 10616.1 | 230.41 | 251.02 | | 251.1 | 0.00033 | 2.26 | 4701.17 | 633.43 | 0.15 |

| | | | | | | | | | | | | | |
|-------------|---------|----------|--------|---------|--------|--------|--------|--------|----------|-------|---------|---------|------|
| Poesten Kil | Reach 8 | 3942.972 | 100 YR | 6371.3 | 230.25 | 244.44 | | 244.46 | 0.000219 | 1.39 | 4675.64 | 946.76 | 0.11 |
| Poesten Kil | Reach 8 | 3942.972 | 200 YR | 8416.1 | 230.25 | 245.51 | | 245.54 | 0.000238 | 1.47 | 5854.09 | 1169.84 | 0.12 |
| Poesten Kil | Reach 8 | 3942.972 | 500 YR | 10616.1 | 230.25 | 246.33 | | 246.37 | 0.000233 | 1.59 | 6836.7 | 1199.81 | 0.12 |
| Poesten Kil | Reach 8 | 3472.125 | 100 YR | 6371.3 | 227.99 | 240.23 | | 240.29 | 0.000456 | 1.94 | 3282.2 | 713.47 | 0.16 |
| Poesten Kil | Reach 8 | 3472.125 | 200 YR | 8416.1 | 227.99 | 241.28 | | 241.35 | 0.00041 | 2.09 | 4032.45 | 725.99 | 0.16 |
| Poesten Kil | Reach 8 | 3472.125 | 500 YR | 10616.1 | 227.99 | 242.31 | | 242.39 | 0.000372 | 2.22 | 4785.83 | 730.04 | 0.15 |
| Poesten Kil | Reach 8 | 2694.558 | 100 YR | 6371.3 | 227.07 | 235.7 | | 235.74 | 0.000171 | 1.54 | 4201.65 | 637.91 | 0.1 |
| Poesten Kil | Reach 8 | 2694.558 | 200 YR | 8416.1 | 227.07 | 237.09 | | 237.13 | 0.00016 | 1.69 | 5100.3 | 651.9 | 0.1 |
| Poesten Kil | Reach 8 | 2694.558 | 500 YR | 10616.1 | 227.07 | 238.17 | | 238.23 | 0.000168 | 1.87 | 5809.07 | 656.21 | 0.11 |
| Poesten Kil | Reach 8 | 2381.125 | 100 YR | 6371.3 | 226.84 | 233.6 | | 233.62 | 0.000135 | 1.12 | 5695.94 | 1133.72 | 0.09 |
| Poesten Kil | Reach 8 | 2381.125 | 200 YR | 8416.1 | 226.84 | 235.57 | | 235.58 | 0.00008 | 1.06 | 7984.75 | 1180.62 | 0.07 |
| Poesten Kil | Reach 8 | 2381.125 | 500 YR | 10616.1 | 226.84 | 236.59 | | 236.61 | 0.000083 | 1.16 | 9223.03 | 1241.19 | 0.07 |
| Poesten Kil | Reach 8 | 2233.088 | 100 YR | 6371.3 | 213.62 | 233.55 | | 233.57 | 0.000083 | 1.05 | 6334.39 | 984.54 | 0.07 |
| Poesten Kil | Reach 8 | 2233.088 | 200 YR | 8416.1 | 213.62 | 235.53 | | 235.55 | 0.000066 | 1.03 | 8469.95 | 1117.69 | 0.07 |
| Poesten Kil | Reach 8 | 2233.088 | 500 YR | 10616.1 | 213.62 | 236.56 | | 236.58 | 0.00007 | 1.14 | 9622.58 | 1132.91 | 0.07 |
| Poesten Kil | Reach 8 | 2107.736 | 100 YR | 6371.3 | 213.48 | 230.2 | 219.35 | 230.36 | 0.000732 | 3.24 | 1965.31 | 276.08 | 0.21 |
| Poesten Kil | Reach 8 | 2107.736 | 200 YR | 8416.1 | 213.48 | 232.72 | | 232.84 | 0.00077 | 2.71 | 3100.86 | 599.54 | 0.21 |
| Poesten Kil | Reach 8 | 2107.736 | 500 YR | 10616.1 | 213.48 | 233.64 | | 233.77 | 0.000739 | 2.9 | 3655.72 | 619.45 | 0.21 |
| Poesten Kil | Reach 8 | 1917.119 | 100 YR | 6371.3 | 199.21 | 207.63 | 205.45 | 208.71 | 0.005415 | 8.33 | 764.95 | 115.95 | 0.57 |
| Poesten Kil | Reach 8 | 1917.119 | 200 YR | 8416.1 | 199.21 | 208.86 | 206.45 | 210.19 | 0.00555 | 9.26 | 908.46 | 118.79 | 0.59 |
| Poesten Kil | Reach 8 | 1917.119 | 500 YR | 10616.1 | 199.21 | 210.02 | 207.41 | 211.61 | 0.005694 | 10.13 | 1048.11 | 121.49 | 0.61 |
| Poesten Kil | Reach 8 | 1747.116 | 100 YR | 6371.3 | 74.28 | 79.22 | 79.22 | 81.31 | 0.018851 | 11.6 | 549.3 | 131.87 | 1 |
| Poesten Kil | Reach 8 | 1747.116 | 200 YR | 8416.1 | 74.28 | 80.06 | 80.06 | 82.58 | 0.018094 | 12.73 | 661.1 | 132.95 | 1.01 |
| Poesten Kil | Reach 8 | 1747.116 | 500 YR | 10616.1 | 74.28 | 80.91 | 80.91 | 83.83 | 0.017348 | 13.71 | 774.13 | 134.05 | 1.01 |
| Poesten Kil | Reach 8 | 1615.422 | 100 YR | 6371.3 | 51.25 | 56.11 | 58.82 | 65.24 | 0.091309 | 24.24 | 262.86 | 67.49 | 2.17 |
| Poesten Kil | Reach 8 | 1615.422 | 200 YR | 8416.1 | 51.25 | 57.07 | 60.14 | 67.22 | 0.08438 | 25.55 | 329.4 | 73.29 | 2.12 |
| Poesten Kil | Reach 8 | 1615.422 | 500 YR | 10616.1 | 51.25 | 57.95 | 61.32 | 69.18 | 0.077651 | 26.89 | 394.82 | 76.05 | 2.08 |
| Poesten Kil | Reach 8 | 1382.411 | 100 YR | 6371.3 | 27.13 | 47.72 | 34.4 | 47.79 | 0.000145 | 2.18 | 2928.17 | 216.11 | 0.1 |
| Poesten Kil | Reach 8 | 1382.411 | 200 YR | 8416.1 | 27.13 | 50.36 | 36.08 | 50.45 | 0.000146 | 2.4 | 3508.24 | 223.05 | 0.11 |
| Poesten Kil | Reach 8 | 1382.411 | 500 YR | 10616.1 | 27.13 | 52.48 | 37.19 | 52.59 | 0.000159 | 2.66 | 3990.62 | 229.87 | 0.11 |
| Poesten Kil | Reach 8 | 1262.946 | 100 YR | 6371.3 | 20.83 | 44.76 | | 44.87 | 0.000323 | 2.75 | 2319.41 | 219.21 | 0.15 |
| Poesten Kil | Reach 8 | 1262.946 | 200 YR | 8416.1 | 20.83 | 47.2 | | 47.33 | 0.000381 | 2.87 | 2934.52 | 298.77 | 0.16 |
| Poesten Kil | Reach 8 | 1262.946 | 500 YR | 10616.1 | 20.83 | 49.14 | | 49.28 | 0.000393 | 2.98 | 3567.25 | 353.4 | 0.17 |
| Poesten Kil | Reach 8 | 1171.695 | 100 YR | 6371.3 | 17.36 | 37.69 | | 37.84 | 0.000529 | 3.1 | 2053.29 | 231.34 | 0.18 |
| Poesten Kil | Reach 8 | 1171.695 | 200 YR | 8416.1 | 17.36 | 39.64 | | 39.81 | 0.000503 | 3.35 | 2514.64 | 243.36 | 0.18 |
| Poesten Kil | Reach 8 | 1171.695 | 500 YR | 10616.1 | 17.36 | 41.34 | | 41.55 | 0.000516 | 3.61 | 2940.04 | 259.09 | 0.19 |
| Poesten Kil | Reach 8 | 582.0234 | 100 YR | 6371.3 | 6.23 | 23.47 | | 24 | 0.001241 | 5.92 | 1213.24 | 333.91 | 0.28 |
| Poesten Kil | Reach 8 | 582.0234 | 200 YR | 8416.1 | 6.23 | 24.4 | | 25.09 | 0.001593 | 6.93 | 1667.91 | 616.9 | 0.32 |
| Poesten Kil | Reach 8 | 582.0234 | 500 YR | 10616.1 | 6.23 | 25.19 | | 25.97 | 0.001798 | 7.63 | 2274.44 | 850.65 | 0.34 |
| Poesten Kil | Reach 8 | 468.3845 | 100 YR | 6371.3 | 5.29 | 23.31 | | 23.6 | 0.000664 | 4.4 | 1646.42 | 594.61 | 0.21 |
| Poesten Kil | Reach 8 | 468.3845 | 200 YR | 8416.1 | 5.29 | 24.2 | | 24.58 | 0.00084 | 5.14 | 2244.48 | 732.52 | 0.24 |
| Poesten Kil | Reach 8 | 468.3845 | 500 YR | 10616.1 | 5.29 | 24.94 | | 25.39 | 0.000975 | 5.73 | 2810.9 | 761.7 | 0.26 |
| Poesten Kil | Reach 8 | 363.373 | 100 YR | 6445.5 | 3.57 | 23.03 | 14.81 | 23.32 | 0.001002 | 4.9 | 2337.39 | 890.82 | 0.25 |
| Poesten Kil | Reach 8 | 363.373 | 200 YR | 8515.8 | 3.57 | 23.96 | 16.49 | 24.23 | 0.001002 | 5.06 | 3211.73 | 1048.25 | 0.26 |
| Poesten Kil | Reach 8 | 363.373 | 500 YR | 10742.6 | 3.57 | 24.74 | 18.17 | 24.99 | 0.001 | 5.21 | 4148.32 | 1433.6 | 0.26 |