

The Floodway Encroachment Standard: Minimizing Cumulative Adverse Impacts

Appendix B

ASFPM completed an assessment of the impacts of establishing regulatory floodways based on the one-foot surcharge criterion. The assessment evaluated impact on: 1) the physical characteristics of the floodway (floodway width, water velocity and area inundated), 2) damages to development in the floodplain and 3) floodplain natural resources.

For this assessment, the engineering modeling and floodway mapping for eight river segments in six states were analyzed to determine the cumulative impacts of establishing regulatory floodways based on the one-foot surcharge criterion. The streams were chosen based on the availability of updated HEC-RAS¹ models, with the goal of including streams of different sizes and gradients from various U.S. regions. Table 1 is a summary of the characteristics of the streams selected for this assessment. This appendix includes the output from the HEC-RAS models analyzed for this assessment. A summary of the results is provided in Table 2 in the main report.

Streams selected for case studies

| River System | Drainage Area (Sq Mi) | Discharge (CFS) | Stream Gradient (Ft/Mi) | Reach Length (Mi) | Number of Cross-Sections |
|------------------------|-----------------------|-----------------|-------------------------|-------------------|--------------------------|
| Pine Creek (WI) | 15.1 | 2,284 | 6.9 | 1.98 | 46 |
| Patterson Creek (WA) | 21.6 | 820 | 4.2 | 9.18 | 74 |
| Stevens Branch (VT) | 66.8 | 14,790 | 23.6 | 15.6 | 199 |
| Sugar River (WI) | 46.6 | 2,335 | 1.4 | 3.85 | 29 |
| Four Mile Creek (NC) | 18.8 | 4,750 | 8.3 | 4.55 | 60 |
| Cypress Creek 100 (TX) | 110.2 | 27,258 | 2.7 | 7.06 | 35 |
| Cypress Creek 172 (TX) | 7.9 | 2,585 | 9.3 | 4.48 | 25 |
| Plum Creek (CO) | 319 | 38,720 | 37.6 | 6.79 | 65 |

Table 1 – Study Reach Characteristics.

¹ HEC-RAS is an engineering modeling package developed by the U.S. Army Corps of Engineers. The letters stand for Hydrologic Engineering Center – River Analysis System.

PINE CREEK

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Width (ft) | Act Topwidth (%) | Dec. |
|------------|-----------|---------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|-------------------|---------------------|------|
| downstream | | 182.0797 Q100 | 2284 | 855.43 | 5085.41 | 0.52 | | | 942.66 | | |
| downstream | | 182.0797 Q100 | 2284 | 855.43 | 1566.02 | 1.46 | 0 | | 214.9 | | 69% |
| downstream | | 382.4613 Q100 | 2284 | 855.44 | 3256.28 | 0.7 | | 50.4 | 536.89 | | |
| downstream | | 382.4613 Q100 | 2284 | 855.44 | 1473.59 | 1.55 | 0 | 13.59 | 215.08 | | 60% |
| downstream | 590.652* | Q100 | 2284 | 855.44 | 2406.49 | 0.95 | | 59.53 | 535.6 | | |
| downstream | 590.652* | Q100 | 2284 | 855.47 | 1587.5 | 1.44 | 0.03 | 18.83 | 321.33 | | 40% |
| downstream | 798.842* | Q100 | 2284 | 855.44 | 2027.32 | 1.13 | | 66.53 | 537.46 | | |
| downstream | 798.842* | Q100 | 2284 | 855.49 | 1451.68 | 1.57 | 0.05 | 23.79 | 301.95 | | 44% |
| downstream | 1007.03* | Q100 | 2284 | 855.48 | 2494.49 | 0.92 | | 73.08 | 620.06 | | |
| downstream | 1007.03* | Q100 | 2284 | 855.53 | 1601.22 | 1.43 | 0.05 | 28.43 | 311.45 | | 50% |
| downstream | | 1215.224 Q100 | 2284 | 855.52 | 3660.6 | 0.62 | | 81.06 | 639.32 | | |
| downstream | | 1215.224 Q100 | 2284 | 855.6 | 2175.58 | 1.05 | 0.08 | 33.69 | 371.28 | | 42% |
| downstream | 1427.00* | Q100 | 2284 | 855.52 | 3138.79 | 0.73 | | 92.8 | 642.03 | | |
| downstream | 1427.00* | Q100 | 2284 | 855.6 | 1591.36 | 1.44 | 0.07 | 40.49 | 294.45 | | 54% |
| downstream | 1638.77* | Q100 | 2284 | 855.53 | 2661.17 | 0.86 | | 102.81 | 651.82 | | |
| downstream | 1638.77* | Q100 | 2284 | 855.61 | 1290.24 | 1.77 | 0.08 | 45.77 | 253.43 | | 61% |
| downstream | 1850.55* | Q100 | 2284 | 855.55 | 2383.66 | 0.96 | | 111.5 | 551.31 | | |
| downstream | 1850.55* | Q100 | 2284 | 855.6 | 873.74 | 2.61 | 0.05 | 49.8 | 179.42 | | 68% |
| downstream | | 2062.331 Q100 | 2284 | 855.55 | 2289.03 | 1.37 | | 119.5 | 429.84 | | |
| downstream | | 2062.331 Q100 | 2284 | 855.64 | 701.97 | 3.25 | 0.09 | 52.79 | 150 | | 65% |
| downstream | | 2362.065 Q100 | 2284 | 855.6 | 3202.56 | 1.86 | | 137.78 | 233 | | |
| downstream | | 2362.065 Q100 | 2284 | 855.98 | 785.83 | 2.91 | 0.39 | 57.76 | 104.4 | | 55% |
| downstream | | 2731.267 Q100 | 2284 | 857.44 | 2793.24 | 1.76 | | 157.43 | 218.45 | | |
| downstream | | 2731.267 Q100 | 2284 | 857.53 | 661.03 | 3.46 | 0.08 | 62.87 | 81.1 | | 63% |
| downstream | | 2950.26 Q100 | 2284 | 857.49 | 2227 | 1.77 | | 168.75 | 209 | | |
| downstream | | 2950.26 Q100 | 2284 | 857.65 | 624.7 | 3.66 | 0.16 | 66.02 | 63.44 | | 70% |
| downstream | | 3210.428 Q100 | 2284 | 857.51 | 1849.48 | 2.18 | | 180.51 | 199 | | |
| downstream | | 3210.428 Q100 | 2284 | 857.66 | 493.48 | 4.63 | 0.15 | 69.35 | 56.5 | | 72% |
| downstream | | 3539.759 Q100 | 2260 | 858.63 | 1745.74 | 2.43 | | 192.39 | 192.7 | | |
| downstream | | 3539.759 Q100 | 2260 | 858.86 | 692.72 | 3.26 | 0.23 | 74.27 | 92.2 | | 52% |
| downstream | 3707.23* | Q100 | 2260 | 858.68 | 1403.34 | 2.18 | | 198.13 | 334.25 | | |
| downstream | 3707.23* | Q100 | 2260 | 858.89 | 589.29 | 3.84 | 0.21 | 76.73 | 77.06 | | 77% |
| downstream | 3874.70* | Q100 | 2260 | 858.69 | 1160.31 | 2.76 | | 202.71 | 239.61 | | |
| downstream | 3874.70* | Q100 | 2260 | 858.9 | 480.97 | 4.7 | 0.2 | 78.78 | 61.93 | | 74% |
| downstream | | 4042.179 Q100 | 2260 | 858.71 | 1059.71 | 3.23 | | 206.6 | 206.56 | | |
| downstream | | 4042.179 Q100 | 2260 | 858.85 | 366.16 | 6.17 | 0.14 | 80.41 | 46.79 | | 77% |
| downstream | | 4333.371 Q100 | 2260 | 858.93 | 780.71 | 3.33 | | 212.21 | 174.69 | | |
| downstream | | 4333.371 Q100 | 2260 | 859.1 | 326.3 | 6.93 | 0.17 | 82.71 | 43.91 | | 75% |
| downstream | | 4807.863 Q100 | 2260 | 859.47 | 590.06 | 3.83 | | 219 | 153.61 | | |
| downstream | | 4807.863 Q100 | 2260 | 860.12 | 366.47 | 6.17 | 0.66 | 86.45 | 46.89 | | 70% |
| downstream | 5055.41* | Q100 | 2260 | 860.02 | 920.73 | 2.45 | | 222.62 | 266.01 | | |
| downstream | 5055.41* | Q100 | 2260 | 860.67 | 400.1 | 5.65 | 0.65 | 88.6 | 48.08 | | 82% |
| downstream | 5302.97* | Q100 | 2260 | 860.34 | 1207.55 | 1.87 | | 227.47 | 361.22 | | |
| downstream | 5302.97* | Q100 | 2260 | 861.2 | 660.78 | 3.42 | 0.86 | 91.38 | 107.31 | | 70% |
| downstream | | 5550.523 Q100 | 2260 | 860.55 | 1422.77 | 1.59 | | 233.25 | 448.25 | | |
| downstream | | 5550.523 Q100 | 2260 | 861.53 | 1102.52 | 2.05 | 0.98 | 95.54 | 250.05 | | 66% |
| downstream | 5795.87* | Q100 | 2260 | 860.65 | 1026.25 | 2.2 | | 237.4 | 402.33 | | |
| downstream | 5795.87* | Q100 | 2260 | 861.62 | 769.53 | 2.94 | 0.96 | 99.11 | 178.76 | | 55% |
| downstream | 6041.23* | Q100 | 2260 | 860.85 | 731.36 | 3.09 | | 240.64 | 357.03 | | |

| | | | | | | | | | | |
|------------|----------|---------------|------|----------------------|---------|------|-------------------------|--------|------------------------------|-------|
| downstream | 6041.23* | Q100 | 2260 | 861.78 | 535.86 | 4.22 | 0.93 | 101.86 | 117.47 | 67% |
| downstream | 6286.59* | Q100 | 2260 | 861.28 | 563.26 | 4.01 | | 243.25 | 310.07 | |
| downstream | 6286.59* | Q100 | 2260 | 862.05 | 319.53 | 7.07 | 0.77 | 103.95 | 44.54 | 86% |
| downstream | 6531.94* | Q100 | 2260 | 861.97 | 525.26 | 4.3 | | 245.6 | 322.23 | |
| downstream | 6531.94* | Q100 | 2260 | 862.72 | 299.45 | 7.55 | 0.75 | 105.66 | 42.57 | 87% |
| downstream | | 6777.305 Q100 | 2260 | 862.9 | 677.89 | 3.46 | | 248.25 | 348.37 | |
| downstream | | 6777.305 Q100 | 2260 | 863.57 | 326.6 | 6.92 | 0.67 | 107.36 | 52.15 | 85% |
| downstream | 6973.84* | Q100 | 2260 | 863.46 | 529.21 | 4.27 | | 250.8 | 289.76 | |
| downstream | 6973.84* | Q100 | 2260 | 864.22 | 299.87 | 7.54 | 0.76 | 108.76 | 40.9 | 86% |
| downstream | 7170.38* | Q100 | 2260 | 864.17 | 542.4 | 4.17 | | 253.09 | 258.51 | |
| downstream | 7170.38* | Q100 | 2260 | 864.9 | 313.28 | 7.21 | 0.73 | 110.14 | 41.19 | 84% |
| downstream | | 7366.929 Q100 | 2260 | 864.78 | 575.57 | 3.93 | | 255.48 | 236.14 | |
| downstream | | 7366.929 Q100 | 2260 | 865.56 | 383.22 | 5.9 | 0.78 | 111.69 | 72.18 | 69% |
| downstream | | 7669.933 Q100 | 2260 | 865.65 | 1035.23 | 2.18 | | 259.9 | 322.91 | |
| downstream | | 7669.933 Q100 | 2260 | 866.46 | 647.38 | 3.49 | 0.81 | 115 | 112.62 | 65% |
| downstream | 7841.19* | Q100 | 2260 | 865.76 | 884.9 | 2.55 | | 262.94 | 289.57 | |
| downstream | 7841.19* | Q100 | 2260 | 866.62 | 650.02 | 3.48 | 0.86 | 117.34 | 96.23 | 67% |
| downstream | 8012.46* | Q100 | 2260 | 865.9 | 798.87 | 2.83 | | 265.77 | 238.62 | |
| downstream | 8012.46* | Q100 | 2260 | 866.76 | 683.38 | 3.31 | 0.86 | 119.8 | 91.12 | 62% |
| downstream | | 8183.73 Q100 | 2260 | 866.03 | 778.26 | 3.34 | | 268.56 | 101 | |
| downstream | | 8183.73 Q100 | 2260 | 866.87 | 680.59 | 3.32 | 0.85 | 122.41 | 78.21 | 23% |
| downstream | | 8359.338 Q100 | 2260 | 867.12 | 540.33 | 4.18 | | 270.32 | 80.48 | |
| downstream | | 8359.338 Q100 | 2260 | 867.62 | 426.78 | 5.3 | 0.49 | 124.08 | 41 | 49% |
| downstream | | 8498.759 Q100 | 2260 | 867.24 | 524.73 | 4.31 | | 272.01 | 82.59 | |
| downstream | | 8498.759 Q100 | 2260 | 867.72 | 404.82 | 5.58 | 0.47 | 125.42 | 41.63 | 50% |
| downstream | | 8915.752 Q100 | 2260 | 867.97 | 1171.81 | 1.93 | | 279.9 | 218.4 | |
| downstream | | 8915.752 Q100 | 2260 | 868.41 | 618.47 | 3.65 | 0.44 | 130.24 | 84.35 | 61% |
| downstream | 9140.47* | Q100 | 2260 | 868.09 | 1011.62 | 2.23 | | 284.37 | 196.89 | |
| downstream | 9140.47* | Q100 | 2260 | 868.62 | 482.39 | 4.68 | 0.53 | 132.76 | 59.46 | 70% |
| downstream | 9365.18* | Q100 | 2260 | 868.26 | 978.59 | 2.31 | | 288.59 | 182.37 | |
| downstream | 9365.18* | Q100 | 2260 | 869.05 | 669.38 | 3.38 | 0.79 | 135.45 | 90 | 50% |
| downstream | | 9589.905 Q100 | 2260 | 868.45 | 1034.08 | 2.19 | | 292.98 | 173.02 | |
| downstream | | 9589.905 Q100 | 2260 | 869.37 | 1038.44 | 2.18 | 0.92 | 139.31 | 138.5 | 20% |
| downstream | 9827.66* | Q100 | 2260 | 868.62 | 1290.83 | 1.75 | | 297.21 | 275.62 | |
| downstream | 9827.66* | Q100 | 2260 | 869.52 | 1264.54 | 1.79 | 0.9 | 143.61 | 186.85 | 32% |
| downstream | 10065.4* | Q100 | 2260 | 868.78 | 1627.73 | 1.39 | | 302.18 | 372.56 | |
| downstream | 10065.4* | Q100 | 2260 | 869.64 | 1595.72 | 1.42 | 0.87 | 148.62 | 259.35 | 30% |
| downstream | | 10303.18 Q100 | 2260 | 868.88 | 1922.58 | 1.18 | | 307.93 | 461.89 | |
| downstream | | 10303.18 Q100 | 2260 | 869.72 | 1921.79 | 1.18 | 0.84 | 154.42 | 332.99 | 28% |
| downstream | | 10579.21 Q100 | 2260 | 868.96 | 1198.78 | 1.91 | | 316.47 | 338.92 | |
| downstream | | 10579.21 Q100 | 2260 | 869.77 | 1243.35 | 1.82 | 0.81 | 163.02 | 270.82 | 20% |
| downstream | | 10643.04 Q100 | 2260 | 869.06 | 1999.43 | 1.28 | | 318.64 | 485.63 | |
| downstream | | 10643.04 Q100 | 2260 | 869.85 | 1872.98 | 1.21 | 0.78 | 165.24 | 401.32 | 17% |
| | | | | | | | | | | 2719% |
| | | | | Velocity increase | | | Storage 62% Decrease | | Average 48% Topwidth Dec. | 59% |

PATTERSON

| River | Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth Act (ft) | Act Topwidth % | Dec |
|---------------|------------|-----------|----------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|----------------------|-------------------|-----|
| Overflow 1 | Overflow 1 | 0.01 | baseline sorta | 0.1 | 123.9 | 1.02 | 0.1 | | 2.85 | 2.26 | | |
| Overflow 1 | Overflow 1 | 0.01 | floodway sorta | 0.1 | 124.84 | 4.25 | 0.02 | 0.94 | 1.56 | 4.61 | | |
| Overflow 1 | Overflow 1 | 0.02 | baseline sorta | 0.1 | 123.9 | 1.02 | 0.1 | | 2.85 | 2.26 | | |
| Overflow 1 | Overflow 1 | 0.02 | floodway sorta | 0.1 | 124.84 | 4.25 | 0.02 | 0.94 | 1.56 | 4.61 | | |
| Patterson Cre | Mainstem 1 | 0.957 | baseline sorta | 820 | 75.29 | 1791.06 | 0.53 | | 1.64 | 766.18 | | 71% |
| Patterson Cre | Mainstem 1 | 0.957 | floodway sorta | 820 | 76.23 | 735.99 | 1.11 | 0.94 | 0.78 | 222.1 | | |
| Patterson Cre | Mainstem 1 | 1.135 | baseline sorta | 820 | 75.39 | 4497.99 | 0.35 | | 68.55 | 735.82 | | |
| Patterson Cre | Mainstem 1 | 1.135 | floodway sorta | 820 | 76.39 | 1696.62 | 0.48 | 1 | 26.49 | 390 | | 47% |
| Patterson Cre | Mainstem 1 | 1.387 | baseline sorta | 610 | 76.18 | 540.62 | 1.13 | | 135.9 | 319.04 | | |
| Patterson Cre | Mainstem 1 | 1.387 | floodway sorta | 610 | 76.99 | 498.5 | 1.22 | 0.81 | 55.95 | 180.57 | | 47% |
| Patterson Cre | Mainstem 1 | 1.52 | baseline sorta | 610 | 77.1 | 1390.38 | 1.72 | | 150.98 | 240 | | |
| Patterson Cre | Mainstem 1 | 1.52 | floodway sorta | 610 | 77.68 | 322.67 | 1.89 | 0.57 | 62.09 | 150 | | 38% |
| Patterson Cre | Mainstem 1 | 1.535 | baseline sorta | 610 | 78.55 | 1107 | 1.87 | | 155.42 | 80 | | |
| Patterson Cre | Mainstem 1 | 1.535 | floodway sorta | 610 | 78.96 | 573.9 | 1.06 | 0.41 | 63.17 | 170 | | 0% |
| Patterson Cre | Mainstem 1 | 1.65 | baseline sorta | 610 | 79 | 518.25 | 1.18 | | 162.88 | 359.43 | | |
| Patterson Cre | Mainstem 1 | 1.65 | floodway sorta | 610 | 79.55 | 177.43 | 3.44 | 0.55 | 66.88 | 38.6 | | 89% |
| Patterson Cre | Mainstem 1 | 1.81 | baseline sorta | 610 | 80.74 | 961.49 | 3.72 | | 174.72 | 49 | | |
| Patterson Cre | Mainstem 1 | 1.81 | floodway sorta | 610 | 81.62 | 190.53 | 3.2 | 0.89 | 70.46 | 45.85 | | 6% |
| Patterson Cre | Mainstem 1 | 1.831 | baseline sorta | 610 | 81.25 | 1367.96 | 1.35 | | 176.44 | 125 | | |
| Patterson Cre | Mainstem 1 | 1.831 | floodway sorta | 610 | 81.91 | 320.71 | 1.9 | 0.66 | 71.1 | 70 | | 44% |
| Patterson Cre | Mainstem 1 | 1.981 | baseline sorta | 610 | 82.2 | 411.94 | 1.48 | | 191.74 | 212.07 | | |
| Patterson Cre | Mainstem 1 | 1.981 | floodway sorta | 610 | 83.16 | 268.07 | 2.28 | 0.96 | 76.29 | 71.32 | | 66% |
| Patterson Cre | Mainstem 1 | 2.145 | baseline sorta | 610 | 84.6 | 141.33 | 4.32 | | 196.4 | 45.4 | | |
| Patterson Cre | Mainstem 1 | 2.145 | floodway sorta | 610 | 85.23 | 159.56 | 3.82 | 0.63 | 80.12 | 35.17 | | 22% |
| Patterson Cre | Mainstem 1 | 2.147 | baseline sorta | 610 | 84.55 | 113.73 | 5.36 | | 196.43 | 44.3 | | |
| Patterson Cre | Mainstem 1 | 2.147 | floodway sorta | 610 | 85.2 | 129.86 | 4.7 | 0.64 | 80.16 | 33.85 | | 25% |
| Patterson Cre | Mainstem 1 | 2.278 | baseline sorta | 610 | 86.22 | 294.73 | 2.07 | | 199.01 | 201.11 | | |
| Patterson Cre | Mainstem 1 | 2.278 | floodway sorta | 610 | 86.85 | 205.06 | 2.97 | 0.63 | 82.48 | 74.32 | | 63% |
| Patterson Cre | Mainstem 1 | 2.295 | baseline sorta | 610 | 87.33 | 553.38 | 1.24 | | 199.89 | 230.19 | | |
| Patterson Cre | Mainstem 1 | 2.295 | floodway sorta | 610 | 88.29 | 299.82 | 2.03 | 0.96 | 82.99 | 80.21 | | 65% |
| Patterson Cre | Mainstem 1 | 2.42 | baseline sorta | 450 | 88.42 | 349.59 | 1.29 | | 205.27 | 253.46 | | |
| Patterson Cre | Mainstem 1 | 2.42 | floodway sorta | 450 | 89.42 | 316.82 | 1.42 | 1 | 86.95 | 126.08 | | 43% |
| Patterson Cre | Mainstem 1 | 2.597 | baseline sorta | 450 | 91.95 | 339.37 | 1.33 | | 212.15 | 424.48 | | |
| Patterson Cre | Mainstem 1 | 2.597 | floodway sorta | 450 | 92.93 | 152.56 | 2.95 | 0.98 | 91.7 | 49.59 | | 88% |
| Patterson Cre | Mainstem 1 | 2.755 | baseline sorta | 450 | 95.17 | 328.7 | 1.85 | | 218.02 | 121.4 | | |
| Patterson Cre | Mainstem 1 | 2.755 | floodway sorta | 450 | 96.12 | 197.52 | 2.28 | 0.95 | 94.86 | 55 | | 55% |
| Patterson Cre | Mainstem 1 | 2.89 | baseline sorta | 450 | 98.6 | 159.82 | 2.82 | | 221.93 | 99.54 | | |
| Patterson Cre | Mainstem 1 | 2.89 | floodway sorta | 450 | 99.11 | 136.81 | 3.29 | 0.5 | 97.55 | 35.09 | | 67% |
| Patterson Cre | Mainstem 1 | 3.005 | baseline sorta | 450 | 101.07 | 197.74 | 2.29 | | 224.43 | 66.06 | | |
| Patterson Cre | Mainstem 1 | 3.005 | floodway sorta | 450 | 101.55 | 169.08 | 2.66 | 0.48 | 99.7 | 32.92 | | 52% |
| Patterson Cre | Mainstem 1 | 3.026 | baseline sorta | 450 | 101.51 | 179.81 | 2.51 | | 224.83 | 58.8 | | |
| Patterson Cre | Mainstem 1 | 3.026 | floodway sorta | 450 | 101.93 | 178.22 | 2.54 | 0.42 | 100.08 | 31.1 | | 47% |
| Patterson Cre | Mainstem 1 | 3.11 | baseline sorta | 450 | 101.66 | 1976.73 | 0.3 | | 236.2 | 371.35 | | |
| Patterson Cre | Mainstem 1 | 3.11 | floodway sorta | 450 | 102.33 | 385.36 | 1.17 | 0.67 | 103.02 | 57.11 | | 85% |
| Patterson Cre | Mainstem 1 | 3.209 | baseline sorta | 450 | 101.67 | 2906 | 0.15 | | 266.64 | 761.3 | | |
| Patterson Cre | Mainstem 1 | 3.209 | floodway sorta | 450 | 102.45 | 683.19 | 0.66 | 0.78 | 109.63 | 101.87 | | 81% |
| Patterson Cre | Mainstem 1 | 3.329 | baseline sorta | 450 | 101.69 | 1855.8 | 0.24 | | 302.21 | 653.87 | | |
| Patterson Cre | Mainstem 1 | 3.329 | floodway sorta | 450 | 102.54 | 650.14 | 0.69 | 0.85 | 119.66 | 113.4 | | 83% |

| | | | | | | | | | |
|---------------------------|----------------------|-----|--------|---------|------|------|--------|---------|-----|
| Patterson Crei Mainstem 1 | 3.514 baseline sorta | 450 | 101.74 | 1273.57 | 0.35 | | 331.21 | 614.16 | |
| Patterson Crei Mainstem 1 | 3.514 floodway sorta | 450 | 102.68 | 652.81 | 0.69 | 0.94 | 132.02 | 150 | 76% |
| Patterson Crei Mainstem 1 | 3.731 baseline sorta | 450 | 101.93 | 865.5 | 0.52 | | 349.84 | 517.58 | |
| Patterson Crei Mainstem 1 | 3.731 floodway sorta | 450 | 102.91 | 576.17 | 0.78 | 0.98 | 143.24 | 170 | 67% |
| Patterson Crei Mainstem 1 | 3.854 baseline sorta | 450 | 102.12 | 937.58 | 0.48 | | 361.93 | 556.2 | |
| Patterson Crei Mainstem 1 | 3.854 floodway sorta | 450 | 103.07 | 684.28 | 0.66 | 0.96 | 151.77 | 188 | 66% |
| Patterson Crei Mainstem 1 | 3.864 baseline sorta | 450 | 102.2 | 1160.86 | 0.39 | | 362.81 | 612.52 | |
| Patterson Crei Mainstem 1 | 3.864 floodway sorta | 450 | 103.2 | 772 | 0.58 | 1 | 152.43 | 193.99 | 68% |
| Patterson Crei Mainstem 1 | 4.066 baseline sorta | 450 | 102.64 | 762.02 | 0.59 | | 383.64 | 684.98 | |
| Patterson Crei Mainstem 1 | 4.066 floodway sorta | 450 | 103.64 | 457.57 | 0.98 | 1 | 166.16 | 168.08 | 75% |
| Patterson Crei Mainstem 1 | 4.188 baseline sorta | 450 | 103.24 | 527.65 | 0.85 | | 392.51 | 447.58 | |
| Patterson Crei Mainstem 1 | 4.188 floodway sorta | 450 | 104.18 | 365.07 | 1.23 | 0.94 | 171.91 | 119.1 | 73% |
| Patterson Crei Mainstem 1 | 4.337 baseline sorta | 450 | 104.3 | 512.9 | 0.88 | | 401.08 | 508.6 | |
| Patterson Crei Mainstem 1 | 4.337 floodway sorta | 450 | 105.27 | 345.7 | 1.3 | 0.97 | 177.83 | 168.42 | 67% |
| Patterson Crei Mainstem 1 | 4.428 baseline sorta | 450 | 104.53 | 1012.86 | 0.52 | | 408.87 | 383.45 | |
| Patterson Crei Mainstem 1 | 4.428 floodway sorta | 450 | 105.51 | 648.65 | 0.69 | 0.99 | 182.74 | 173.68 | 55% |
| Patterson Crei Mainstem 1 | 4.441 baseline sorta | 450 | 104.66 | 1078.27 | 0.46 | | 409.93 | 386 | |
| Patterson Crei Mainstem 1 | 4.441 floodway sorta | 450 | 105.64 | 601.76 | 0.75 | 0.98 | 183.5 | 146.45 | 62% |
| Patterson Crei Mainstem 1 | 4.563 baseline sorta | 390 | 104.88 | 646.28 | 0.6 | | 422.16 | 544.77 | |
| Patterson Crei Mainstem 1 | 4.563 floodway sorta | 390 | 105.85 | 539.43 | 0.72 | 0.98 | 191.83 | 150.71 | 72% |
| Patterson Crei Mainstem 1 | 4.738 baseline sorta | 390 | 105.16 | 957.65 | 0.41 | | 437.17 | 642.89 | |
| Patterson Crei Mainstem 1 | 4.738 floodway sorta | 390 | 106.1 | 680.06 | 0.57 | 0.94 | 203.48 | 232.32 | 64% |
| Patterson Crei Mainstem 1 | 4.971 baseline sorta | 390 | 105.8 | 1242.46 | 0.31 | | 458.53 | 1144.51 | |
| Patterson Crei Mainstem 1 | 4.971 floodway sorta | 390 | 106.79 | 690.76 | 0.56 | 0.99 | 218.45 | 250 | 78% |
| Patterson Crei Mainstem 1 | 5.103 baseline sorta | 390 | 105.98 | 943.84 | 0.41 | | 472.35 | 971.61 | |
| Patterson Crei Mainstem 1 | 5.103 floodway sorta | 390 | 106.98 | 545.53 | 0.71 | 1 | 226.79 | 200 | 79% |
| Patterson Crei Mainstem 1 | 5.233 baseline sorta | 390 | 106.33 | 636.68 | 0.61 | | 482.22 | 540.63 | |
| Patterson Crei Mainstem 1 | 5.233 floodway sorta | 390 | 107.32 | 428.47 | 0.91 | 0.99 | 233.37 | 164.31 | 70% |
| Patterson Crei Mainstem 1 | 5.242 baseline sorta | 390 | 106.38 | 458.41 | 0.85 | | 482.76 | 510.13 | |
| Patterson Crei Mainstem 1 | 5.242 floodway sorta | 390 | 107.35 | 443.91 | 0.88 | 0.98 | 233.8 | 160 | 69% |
| Patterson Crei Mainstem 1 | 5.45 baseline sorta | 390 | 106.98 | 1180.13 | 0.35 | | 499.13 | 1348.2 | |
| Patterson Crei Mainstem 1 | 5.45 floodway sorta | 390 | 107.93 | 553.81 | 0.7 | 0.94 | 244.13 | 284.4 | 79% |
| Patterson Crei Mainstem 1 | 5.561 baseline sorta | 390 | 107.81 | 545.39 | 0.72 | | 511.76 | 732.97 | |
| Patterson Crei Mainstem 1 | 5.561 floodway sorta | 390 | 108.75 | 344.33 | 1.13 | 0.94 | 250.68 | 198.42 | 73% |
| Patterson Crei Mainstem 1 | 5.662 baseline sorta | 390 | 108.35 | 856.93 | 0.46 | | 519.8 | 1140.52 | |
| Patterson Crei Mainstem 1 | 5.662 floodway sorta | 390 | 109.28 | 470.96 | 0.83 | 0.94 | 255.41 | 191.15 | 83% |
| Patterson Crei Mainstem 1 | 5.774 baseline sorta | 390 | 108.84 | 806.16 | 0.48 | | 532.04 | 1028.12 | |
| Patterson Crei Mainstem 1 | 5.774 floodway sorta | 390 | 109.81 | 479.24 | 0.81 | 0.97 | 262.49 | 264.86 | 74% |
| Patterson Crei Mainstem 1 | 5.924 baseline sorta | 320 | 109.36 | 831.46 | 0.39 | | 546.51 | 1023.8 | |
| Patterson Crei Mainstem 1 | 5.924 floodway sorta | 320 | 110.34 | 545.37 | 0.6 | 0.98 | 271.54 | 300 | 71% |
| Patterson Crei Mainstem 1 | 6.052 baseline sorta | 320 | 109.61 | 868.88 | 0.39 | | 557.49 | 685.19 | |
| Patterson Crei Mainstem 1 | 6.052 floodway sorta | 320 | 110.6 | 524.95 | 0.61 | 1 | 278.56 | 226.62 | 67% |
| Patterson Crei Mainstem 1 | 6.062 baseline sorta | 320 | 109.94 | 876.46 | 0.46 | | 559.7 | 704.64 | |
| Patterson Crei Mainstem 1 | 6.062 floodway sorta | 320 | 110.9 | 406.91 | 0.79 | 0.96 | 279.81 | 166.68 | 76% |
| Patterson Crei Mainstem 1 | 6.205 baseline sorta | 320 | 110.13 | 984.77 | 0.32 | | 570.77 | 908.45 | |
| Patterson Crei Mainstem 1 | 6.205 floodway sorta | 320 | 111.12 | 603.51 | 0.53 | 0.99 | 285.78 | 270 | 70% |
| Patterson Crei Mainstem 1 | 6.351 baseline sorta | 320 | 110.3 | 855.13 | 0.37 | | 582.72 | 832.96 | |
| Patterson Crei Mainstem 1 | 6.351 floodway sorta | 320 | 111.3 | 558.45 | 0.57 | 1 | 293.48 | 224.81 | 73% |
| Patterson Crei Mainstem 1 | 6.475 baseline sorta | 320 | 110.55 | 691.24 | 0.46 | | 592.3 | 625.62 | |
| Patterson Crei Mainstem 1 | 6.475 floodway sorta | 320 | 111.54 | 460.72 | 0.69 | 0.99 | 300.11 | 192.44 | 69% |
| Patterson Crei Mainstem 1 | 6.604 baseline sorta | 320 | 111.12 | 487.89 | 0.66 | | 599.85 | 640.17 | |
| Patterson Crei Mainstem 1 | 6.604 floodway sorta | 320 | 112.1 | 286.43 | 1.12 | 0.98 | 305.06 | 119.9 | 81% |

| | | | | | | | | | | |
|---------------|------------|-------------------------|-----|--------|---------|------|-------|--------|--------|-----|
| Patterson Cre | Mainstem 1 | 6.733 baseline sorta | 320 | 111.76 | 505.61 | 0.63 | | 605.72 | 452.09 | |
| Patterson Cre | Mainstem 1 | 6.733 floodway sorta | 320 | 112.73 | 326.33 | 0.98 | 0.98 | 308.89 | 124.19 | 73% |
| Patterson Cre | Mainstem 1 | 6.852 baseline sorta | 320 | 113.12 | 685.69 | 1.03 | | 613.77 | 428.52 | |
| Patterson Cre | Mainstem 1 | 6.852 floodway sorta | 320 | 113.88 | 296.84 | 1.52 | 0.76 | 313.16 | 97 | 77% |
| Patterson Cre | Mainstem 1 | 6.861 baseline sorta | 320 | 113.29 | 984.24 | 0.81 | | 614.3 | 471.39 | |
| Patterson Cre | Mainstem 1 | 6.861 floodway sorta | 320 | 114.23 | 329.43 | 1.25 | 0.95 | 313.39 | 81.09 | 82% |
| Patterson Cre | Mainstem 1 | 6.938 baseline sorta | 320 | 113.39 | 1212.03 | 0.36 | | 622.77 | 415.9 | |
| Patterson Cre | Mainstem 1 | 6.938 floodway sorta | 320 | 114.37 | 605.43 | 0.53 | 0.98 | 317.15 | 176.42 | 58% |
| Patterson Cre | Mainstem 1 | 7.059 baseline sorta | 320 | 113.56 | 696.03 | 0.46 | | 634.55 | 619.13 | |
| Patterson Cre | Mainstem 1 | 7.059 floodway sorta | 320 | 114.56 | 393.86 | 0.81 | 1 | 323.44 | 126.22 | 79% |
| Patterson Cre | Mainstem 1 | 7.23 baseline sorta | 320 | 114.92 | 1217.63 | 1.13 | | 648 | 562.55 | |
| Patterson Cre | Mainstem 1 | 7.23 floodway sorta | 320 | 115.91 | 258.05 | 1.88 | 0.99 | 328.68 | 75.11 | 87% |
| Patterson Cre | Mainstem 1 | 7.245 baseline sorta | 320 | 115.6 | 1403.52 | 0.73 | | 649.1 | 551.1 | |
| Patterson Cre | Mainstem 1 | 7.245 floodway sorta | 320 | 116.46 | 360.07 | 1.4 | 0.86 | 329.01 | 82.54 | 85% |
| Patterson Cre | Mainstem 1 | 7.313 baseline sorta | 320 | 115.65 | 1277.11 | 0.25 | | 657.88 | 671.46 | |
| Patterson Cre | Mainstem 1 | 7.313 floodway sorta | 320 | 116.61 | 491.39 | 0.65 | 0.95 | 331.92 | 125.87 | 81% |
| Patterson Cre | Mainstem 1 | 7.323 baseline sorta | 320 | 115.66 | 1301 | 0.25 | | 659.22 | 675.2 | |
| Patterson Cre | Mainstem 1 | 7.323 floodway sorta | 320 | 116.62 | 437.73 | 0.73 | 0.97 | 332.4 | 110 | 84% |
| Patterson Cre | Mainstem 1 | 7.452 baseline sorta | 320 | 115.82 | 604 | 0.53 | | 672.92 | 504.01 | |
| Patterson Cre | Mainstem 1 | 7.452 floodway sorta | 320 | 116.82 | 482.62 | 0.66 | 1 | 339.12 | 165.42 | 67% |
| Patterson Cre | Mainstem 1 | 7.596 baseline sorta | 320 | 116.35 | 468.94 | 0.68 | | 681.55 | 388.55 | |
| Patterson Cre | Mainstem 1 | 7.596 floodway sorta | 320 | 117.34 | 287.73 | 1.11 | 0.99 | 345.43 | 100.82 | 74% |
| Patterson Cre | Mainstem 1 | 7.767 baseline sorta | 240 | 117.44 | 360.46 | 0.72 | | 689.23 | 372.22 | |
| Patterson Cre | Mainstem 1 | 7.767 floodway sorta | 240 | 118.44 | 211.3 | 1.14 | 1 | 350.25 | 90 | 76% |
| Patterson Cre | Mainstem 1 | 7.961 baseline sorta | 240 | 119.08 | 286.99 | 0.84 | | 695.53 | 307.63 | |
| Patterson Cre | Mainstem 1 | 7.961 floodway sorta | 240 | 120.01 | 156.73 | 1.53 | 0.93 | 353.93 | 55 | 82% |
| Patterson Cre | Mainstem 1 | 8.129 baseline sorta | 240 | 121.8 | 272.16 | 0.88 | | 700.87 | 521.42 | |
| Patterson Cre | Mainstem 1 | 8.129 floodway sorta | 240 | 122.79 | 130.98 | 1.83 | 0.99 | 356.69 | 60 | 88% |
| Patterson Cre | Mainstem 1 | 8.331 baseline sorta | 240 | 123.83 | 380.65 | 0.63 | | 707.59 | 496.26 | |
| Patterson Cre | Mainstem 1 | 8.331 floodway sorta | 240 | 124.82 | 204.92 | 1.17 | 0.99 | 360.18 | 90.26 | 82% |
| Patterson Cre | Mainstem 2 | 8.504 baseline sorta | 240 | 126.61 | 152.39 | 1.57 | | 5.57 | 301.15 | |
| Patterson Cre | Mainstem 2 | 8.504 floodway sorta | 240 | 128.38 | 129.61 | 1.85 | 1.76 | 3.49 | 125 | 58% |
| Patterson Cre | Mainstem 2 | 8.56 baseline sorta | 240 | 127.48 | 244.48 | 0.98 | | 6.91 | 384.56 | |
| Patterson Cre | Mainstem 2 | 8.56 floodway sorta | 240 | 129.63 | 173.52 | 1.38 | 2.15 | 4.38 | 135 | 65% |
| Patterson Cre | Mainstem 2 | 8.616 baseline sorta | 240 | 128.1 | 233.41 | 1.03 | | 8.51 | 327.4 | |
| Patterson Cre | Mainstem 2 | 8.616 floodway sorta | 240 | 130.94 | 112.25 | 2.14 | 2.84 | 5.27 | 82 | 75% |
| Patterson Cre | Mainstem 2 | 8.667 baseline sorta | 240 | 130.07 | 120.57 | 1.99 | | 9.6 | 226.83 | |
| Patterson Cre | Mainstem 2 | 8.667 floodway sorta | 240 | 132.27 | 107.88 | 2.22 | 2.2 | 5.91 | 70 | 69% |
| Patterson Cre | Mainstem 2 | 8.714 baseline sorta | 240 | 132.75 | 147.28 | 1.63 | | 10.39 | 326.16 | |
| Patterson Cre | Mainstem 2 | 8.714 floodway sorta | 240 | 133.5 | 111.23 | 2.16 | 0.76 | 6.52 | 65 | 80% |
| Patterson Cre | Mainstem 2 | 8.851 baseline sorta | 150 | 139.05 | 529.88 | 0.86 | | 15.67 | 55 | |
| Patterson Cre | Mainstem 2 | 8.851 floodway sorta | 150 | 138.99 | 91.69 | 1.64 | -0.06 | 8.95 | 20.27 | 63% |
| Patterson Cre | Mainstem 2 | 8.85119* baseline sorta | 150 | 139.05 | 528.88 | 0.86 | | 15.68 | 55 | |
| Patterson Cre | Mainstem 2 | 8.85119* floodway sorta | 150 | 138.99 | 91.31 | 1.64 | -0.06 | 8.95 | 20.25 | 63% |
| Patterson Cre | Mainstem 2 | 8.95 baseline sorta | 150 | 141.93 | 130.6 | 1.15 | | 18.59 | 183.93 | |
| Patterson Cre | Mainstem 2 | 8.95 floodway sorta | 150 | 142.9 | 40.35 | 3.72 | 0.97 | 9.73 | 31.3 | 83% |
| Patterson Cre | Mainstem 2 | 9.043 baseline sorta | 150 | 150.26 | 45.18 | 3.32 | | 19.56 | 61.73 | |
| Patterson Cre | Mainstem 2 | 9.043 floodway sorta | 150 | 151.05 | 26.72 | 5.61 | 0.79 | 10.11 | 14 | 77% |
| Patterson Cre | Mainstem 2 | 9.131 baseline sorta | 150 | 158.87 | 33.29 | 4.51 | | 19.96 | 29.28 | |
| Patterson Cre | Mainstem 2 | 9.131 floodway sorta | 150 | 158.93 | 31.26 | 4.8 | 0.06 | 10.41 | 13.39 | 55% |
| Patterson Cre | Mainstem 2 | 9.184 baseline sorta | 150 | 161.94 | 50.59 | 2.96 | | 20.22 | 32.3 | |

STEVENS BRANCH

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth Act (ft) | Act Topwdth Dec. | |
|---------|-----------|------------|---------------|----------------|--------------|------------------|-----------------|------------------|-------------------|------------------|-----|
| Stevens | 289.0488 | 100.4 | 1% | 14790 | 542.25 | 6356.57 | 3.21 | | 597.8 | | |
| Stevens | 289.0488 | 100.4 | 1%FW | 14790 | 543.25 | 3820.68 | 3.87 | 1 | 390.21 | 35% | |
| Stevens | 1236.977 | 300.2 | 1% | 14790 | 543.13 | 5015.42 | 3.43 | | 666.32 | | |
| Stevens | 1236.977 | 300.2 | 1%FW | 14790 | 544.16 | 4353.76 | 3.4 | 1.03 | 81.22 | 554.32 | 17% |
| Stevens | 1912.057 | 400.4 | 1% | 14790 | 543.26 | 2954.97 | 5.01 | | 170.4 | 801.96 | |
| Stevens | 1912.057 | 400.4 | 1%FW | 14790 | 544.25 | 2888.96 | 5.12 | 0.99 | 135.44 | 589.47 | 26% |
| Stevens | | 2840.12 | 1% | 14790 | 544.68 | 2999.06 | 4.93 | | 226.72 | 953.37 | |
| Stevens | | 2840.12 | 1%FW | 14790 | 545.26 | 2365.5 | 6.25 | 0.58 | 184.8 | 433.11 | 54% |
| Stevens | 3283.672 | SB-010 DSC | 1% | 14710 | 545.79 | 3565.71 | 4.4 | | 259.65 | 696.29 | |
| Stevens | 3283.672 | SB-010 DSC | 1%FW | 14710 | 546.46 | 3088.31 | 4.76 | 0.68 | 212.2 | 492.83 | 29% |
| Stevens | 3364.392 | SB-010 DSF | 1% | 14710 | 545.83 | 1980.48 | 7.43 | | 264.67 | 539.51 | |
| Stevens | 3364.392 | SB-010 DSF | 1%FW | 14710 | 545.83 | 1582.36 | 9.3 | 0 | 216.43 | 348.49 | 35% |
| Stevens | 3402.073 | SB-010 USF | 1% | 14710 | 547.56 | 3786.04 | 3.89 | | 266.87 | 1117 | |
| Stevens | 3402.073 | SB-010 USF | 1%FW | 14710 | 548.4 | 3049.28 | 4.82 | 0.84 | 217.99 | 449.55 | 60% |
| Stevens | 3539.273 | SB-010 USC | 1% | 14710 | 547.58 | 3226.64 | 4.6 | | 277.56 | 801.79 | |
| Stevens | 3539.273 | SB-010 USC | 1%FW | 14710 | 548.52 | 3009.03 | 4.89 | 0.94 | 227.19 | 410.87 | 49% |
| Stevens | | 4369.411 | 1% | 14710 | 548.68 | 3593.1 | 4.09 | | 338 | 817.71 | |
| Stevens | | 4369.411 | 1%FW | 14710 | 549.29 | 2547.19 | 5.77 | 0.61 | 276.99 | 301.74 | 63% |
| Stevens | | 4912.629 | 1% | 14710 | 549.1 | 3711.17 | 3.96 | | 382.97 | 780.26 | |
| Stevens | | 4912.629 | 1%FW | 14710 | 549.8 | 2720.44 | 5.41 | 0.7 | 309.59 | 309.27 | 60% |
| Stevens | | 5472.426 | 1% | 14710 | 549.2 | 2492.65 | 5.9 | | 420.8 | 536.27 | |
| Stevens | | 5472.426 | 1%FW | 14710 | 549.74 | 1852.72 | 7.94 | 0.55 | 337.99 | 267.56 | 50% |
| Stevens | | 6211.686 | 1% | 14710 | 550.51 | 1578.94 | 9.32 | | 455.14 | 215.5 | |
| Stevens | | 6211.686 | 1%FW | 14710 | 551.52 | 1448.26 | 10.16 | 1 | 365.71 | 144.15 | 33% |
| Stevens | | 6657.747 | 1% | 14710 | 552.95 | 2130.06 | 6.91 | | 473.98 | 282.41 | |
| Stevens | | 6657.747 | 1%FW | 14710 | 553.77 | 2038.52 | 7.22 | 0.82 | 383.49 | 191.94 | 32% |
| Stevens | 7208.071 | SB-020USF | 1% | 14710 | 557.77 | 1490.04 | 10.24 | | 493 | 223.86 | |
| Stevens | 7208.071 | SB-020USF | 1%FW | 14710 | 558.39 | 1471.06 | 10 | 0.62 | 402.78 | 90.97 | 60% |
| Stevens | 7337.050 | SB-020 USC | 1% | 14710 | 558.87 | 2186.62 | 6.73 | | 498.43 | 382.33 | |
| Stevens | 7337.050 | SB-020 USC | 1%FW | 14710 | 559.32 | 1987.65 | 7.4 | 0.44 | 407.92 | 169.27 | 58% |
| Stevens | | 7476.019 | 1% | 14710 | 558.48 | 1488.26 | 9.88 | | 504.35 | 181.31 | |
| Stevens | | 7476.019 | 1%FW | 14710 | 558.59 | 1172.05 | 12.55 | 0.12 | 412.98 | 62.76 | 66% |
| Stevens | 7733.880 | SB-030DSC | 1% | 14710 | 559.72 | 2063.11 | 7.13 | | 514.93 | 325.6 | |
| Stevens | 7733.880 | SB-030DSC | 1%FW | 14710 | 560.5 | 2141.26 | 6.87 | 0.78 | 422.84 | 190.8 | 42% |
| Stevens | 7853.008 | SB-030DSF | 1% | 14710 | 560.38 | 3442.65 | 4.4 | | 523.08 | 697.59 | |
| Stevens | 7853.008 | SB-030DSF | 1%FW | 14710 | 560.47 | 2175.27 | 6.8 | 0.09 | 429.07 | 303 | 57% |
| Stevens | 7913.671 | SB-030 USF | 1% | 14710 | 560.67 | 3534.05 | 4.26 | | 526.92 | 697.18 | |
| Stevens | 7913.671 | SB-030 USF | 1%FW | 14710 | 561.26 | 2743.48 | 5.45 | 0.59 | 431.74 | 473.1 | 31% |
| Stevens | 8091.100 | SB-030 USC | 1% | 14710 | 561.02 | 4133.7 | 3.56 | | 540.62 | 684.48 | |
| Stevens | 8091.100 | SB-030 USC | 1%FW | 14710 | 561.26 | 2252.47 | 6.53 | 0.23 | 441.16 | 281.63 | 59% |
| Stevens | | 8818.583 | 1% | 14710 | 561.32 | 4511.46 | 3.26 | | 609.76 | 742.15 | |
| Stevens | | 8818.583 | 1%FW | 14710 | 562.24 | 3562.26 | 4.13 | 0.91 | 488.02 | 300 | 60% |
| Stevens | | 9607.489 | 1% | 14710 | 561.1 | 2009.54 | 7.32 | | 667.85 | 207.46 | |
| Stevens | | 9607.489 | 1%FW | 14710 | 562.09 | 1941.87 | 7.58 | 1 | 537.04 | 140 | 32% |
| Stevens | | 10512.84 | 1% | 14710 | 562.45 | 2407.54 | 6.11 | | 713.63 | 253.85 | |
| Stevens | | 10512.84 | 1%FW | 14710 | 563.16 | 2067.03 | 7.12 | 0.71 | 578.62 | 154.22 | 39% |
| Stevens | | 11406.29 | 1% | 12610 | 563.65 | 2989.26 | 4.22 | | 769.5 | 371.12 | |
| Stevens | | 11406.29 | 1%FW | 12610 | 564.22 | 2010.47 | 6.27 | 0.57 | 620.59 | 171.34 | 54% |

| | | | | | | | | | | |
|---------|-----------------------|------|-------|--------|----------|-------|-------|---------|---------|-----|
| Stevens | 11934.83 | 1% | 12610 | 563.87 | 2486 | 5.07 | | 800.91 | 364.41 | |
| Stevens | 11934.83 | 1%FW | 12610 | 564.67 | 1944.37 | 6.49 | 0.8 | 643.6 | 182.5 | 50% |
| Stevens | 12726.5 | 1% | 12610 | 564.24 | 1495.76 | 8.43 | | 836.9 | 211.55 | |
| Stevens | 12726.5 | 1%FW | 12610 | 565.21 | 1351.62 | 9.33 | 0.97 | 673.45 | 113.09 | 46% |
| Stevens | 13658.33 | 1% | 12610 | 566.38 | 1480.64 | 8.52 | | 868.73 | 165.18 | |
| Stevens | 13658.33 | 1%FW | 12610 | 567.1 | 1454.89 | 8.67 | 0.72 | 703.45 | 112.2 | 32% |
| Stevens | 14639.31 | 1% | 12490 | 568.03 | 1715.2 | 7.28 | | 904.64 | 171.05 | |
| Stevens | 14639.31 | 1%FW | 12490 | 568.67 | 1587.14 | 7.87 | 0.64 | 737.69 | 111.42 | 35% |
| Stevens | 15515.25 | 1% | 12490 | 568.74 | 1181.83 | 10.57 | | 933.73 | 119.17 | |
| Stevens | 15515.25 | 1%FW | 12490 | 569.5 | 1260.46 | 9.91 | 0.76 | 766.31 | 112.05 | 6% |
| Stevens | 16460.72 | 1% | 12490 | 572.08 | 750.03 | 17.02 | | 954.58 | 80.71 | |
| Stevens | 16460.72 | 1%FW | 12490 | 572.1 | 734.48 | 17.01 | 0.02 | 787.86 | 77.76 | 4% |
| Stevens | 17407.49 | 1% | 12490 | 578.65 | 1396.92 | 8.94 | | 977.69 | 292.3 | |
| Stevens | 17407.49 | 1%FW | 12490 | 578.64 | 1355.96 | 9.21 | 0 | 810.38 | 105 | 64% |
| Stevens | 18299.24 | 1% | 12490 | 579.77 | 894.39 | 13.96 | | 1001.02 | 132.78 | |
| Stevens | 18299.24 | 1%FW | 12490 | 579.78 | 892.62 | 13.99 | 0.01 | 833.28 | 125 | 5% |
| Stevens | 19053.65 SB-040 DSC | 1% | 12490 | 584.17 | 1023.63 | 12.2 | | 1017.61 | 109.98 | |
| Stevens | 19053.65 SB-040 DSC | 1%FW | 12490 | 584.14 | 1017.71 | 12.27 | -0.03 | 849.81 | 103.38 | 6% |
| Stevens | 19237.67 SB-040USC | 1% | 12490 | 587.81 | 1757.6 | 7.11 | | 1022.92 | 275.02 | |
| Stevens | 19237.67 SB-040USC | 1%FW | 12490 | 587.76 | 1680.98 | 7.43 | -0.05 | 854.99 | 222 | 19% |
| Stevens | 19530.04 | 1% | 12490 | 589.32 | 4162.94 | 3.17 | | 1042.23 | 658.42 | |
| Stevens | 19530.04 | 1%FW | 12490 | 589.28 | 3450.26 | 3.62 | -0.04 | 871.75 | 466.84 | 29% |
| Stevens | 19872.67 SB-050 DSC | 1% | 12490 | 589.56 | 4562.35 | 2.74 | | 1076.43 | 716.97 | |
| Stevens | 19872.67 SB-050 DSC | 1%FW | 12490 | 589.52 | 3696.75 | 3.38 | -0.04 | 899.77 | 541.83 | 65% |
| Stevens | 19993.94 SB-050 DSF | 1% | 12490 | 589.59 | 5324.1 | 2.35 | | 1091.57 | 1045.38 | |
| Stevens | 19993.94 SB-050 DSF | 1%FW | 12490 | 589.54 | 4045.97 | 3.09 | -0.04 | 911.28 | 716.44 | 31% |
| Stevens | 20026.61 SB-050 USF | 1% | 12490 | 589.64 | 4789.37 | 2.61 | | 1095.05 | 1029.61 | |
| Stevens | 20026.61 SB-050 USF | 1%FW | 12490 | 589.62 | 3828.92 | 3.26 | -0.02 | 913.94 | 710.59 | 31% |
| Stevens | 21111.52 | 1% | 12490 | 591.19 | 11044.06 | 1.13 | | 1282.25 | 1774.54 | |
| Stevens | 21111.52 | 1%FW | 12490 | 591.55 | 3522.15 | 3.55 | 0.36 | 975.89 | 542.03 | 69% |
| Stevens | 22314.96 SB-060 DSC | 1% | 12490 | 591.25 | 5113.56 | 2.48 | | 1502.43 | 1184.24 | |
| Stevens | 22314.96 SB-060 DSC | 1%FW | 12490 | 592.29 | 4910.64 | 2.59 | 1.04 | 1090.61 | 785.38 | 34% |
| Stevens | 22402.23 SB-060 DSF | 1% | 12370 | 591.28 | 4679.39 | 2.65 | | 1514.75 | 1258.79 | |
| Stevens | 22402.23 SB-060 DSF | 1%FW | 12370 | 592.22 | 3149.29 | 3.94 | 0.95 | 1100.72 | 538 | 57% |
| Stevens | 22452.23 SB-060 USF | 1% | 12370 | 591.31 | 3961.22 | 3.7 | | 1519.34 | 1140.68 | |
| Stevens | 22452.23 SB-060 USF | 1%FW | 12370 | 592.36 | 3027.73 | 4.09 | 1.05 | 1103.89 | 538 | 53% |
| Stevens | 22611.62 SB-060 USC | 1% | 12370 | 591.41 | 2750.8 | 4.92 | | 1532.62 | 637.55 | |
| Stevens | 22611.62 SB-060 USC | 1%FW | 12370 | 592.43 | 2516.66 | 4.92 | 1.02 | 1114.81 | 423.42 | 34% |
| Stevens | 23141.46 | 1% | 12370 | 592.81 | 1180.45 | 10.91 | | 1556.66 | 323.03 | |
| Stevens | 23141.46 | 1%FW | 12370 | 593 | 1158.69 | 10.68 | 0.19 | 1137.26 | 311.57 | 4% |
| Stevens | 23533.76 SB-070 DSC | 1% | 12370 | 595.68 | 2782.05 | 4.83 | | 1573.49 | 641.62 | |
| Stevens | 23533.76 SB-070 DSC | 1%FW | 12370 | 595.67 | 2390.03 | 5.18 | -0.01 | 1152.57 | 537.36 | 16% |
| Stevens | 23813.81 SB-070 DSF | 1% | 10340 | 596.24 | 3598.79 | 3.03 | | 1593.59 | 1081.94 | |
| Stevens | 23813.81 SB-070 DSF | 1%FW | 10340 | 596.23 | 2903.74 | 3.77 | -0.01 | 1169.42 | 643.95 | 41% |
| Stevens | 23877.62 SB-070 USF | 1% | 10340 | 596.32 | 3941.85 | 2.81 | | 1598.65 | 1277.04 | |
| Stevens | 23877.62 SB-070 USF | 1%FW | 10340 | 596.29 | 2701.6 | 4.13 | -0.02 | 1173.02 | 614.8 | 52% |
| Stevens | 23960.09 SB-070USC, (| 1% | 10340 | 596.21 | 3640.5 | 3.97 | | 1605.68 | 850.36 | |
| Stevens | 23960.09 SB-070USC, (| 1%FW | 10340 | 596.21 | 2100.15 | 4.92 | 0 | 1177.72 | 440.57 | 48% |
| Stevens | 24174.7 | 1% | 10340 | 596.66 | 3967.26 | 2.61 | | 1623.87 | 1272.14 | |
| Stevens | 24174.7 | 1%FW | 10340 | 596.67 | 2943.38 | 3.51 | 0 | 1190.08 | 739.99 | 42% |
| Stevens | 24374.50 SB-080USF | 1% | 10340 | 597.98 | 2507.61 | 9.4 | | 1630.67 | 665.89 | |

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|---------|---------------------|------|-------|--------|---------|-------|-------|---------|---------|-----|
| Stevens | 24374.50 SB-080USF | 1%FW | 10340 | 598 | 1088.18 | 9.5 | 0.02 | 1195.39 | 80.53 | 88% |
| Stevens | 24447.80 SB-080 USC | 1% | 10340 | 598 | 1086.01 | 9.56 | | 1633.85 | 190.74 | |
| Stevens | 24447.80 SB-080 USC | 1%FW | 10340 | 598.01 | 1081.65 | 9.56 | 0 | 1197.27 | 188.27 | 1% |
| Stevens | 25151.63 | 1% | 10340 | 600.33 | 3624.07 | 3.48 | | 1671.94 | 663.34 | |
| Stevens | 25151.63 | 1%FW | 10340 | 600.31 | 2666.86 | 3.88 | -0.03 | 1227.52 | 551.54 | 17% |
| Stevens | 26069.13 SB-090DSC | 1% | 10340 | 600.26 | 1073.09 | 9.64 | | 1721.21 | 217.53 | |
| Stevens | 26069.13 SB-090DSC | 1%FW | 10340 | 600.27 | 956.74 | 10.81 | 0.01 | 1265.65 | 158.17 | 27% |
| Stevens | 26229.02 SB-090DSF | 1% | 10340 | 602.07 | 4589.23 | 7.5 | | 1731.53 | 214.95 | |
| Stevens | 26229.02 SB-090DSF | 1%FW | 10340 | 602.42 | 1282.44 | 8.06 | 0.35 | 1269.75 | 113.77 | 47% |
| Stevens | 26262.02 SB-090USF | 1% | 10340 | 602.75 | 5247.86 | 7.52 | | 1734.49 | 247.97 | |
| Stevens | 26262.02 SB-090USF | 1%FW | 10340 | 603.09 | 1209.93 | 8.55 | 0.34 | 1270.51 | 113.98 | 47% |
| Stevens | 26462.23 SB-090 USC | 1% | 10340 | 603.79 | 5272.76 | 3.84 | | 1759.96 | 1334.43 | |
| Stevens | 26462.23 SB-090 USC | 1%FW | 10340 | 604.15 | 2154.4 | 4.84 | 0.36 | 1278.43 | 229.8 | 83% |
| Stevens | 27391.66 SB-100DSC | 1% | 10340 | 602.78 | 645.72 | 16.01 | | 1823.88 | 138.33 | |
| Stevens | 27391.66 SB-100DSC | 1%FW | 10340 | 603.4 | 645.74 | 16.01 | 0.61 | 1308.43 | 47.11 | 66% |
| Stevens | 27739.62 SB-100 USC | 1% | 10340 | 609.16 | 2088.36 | 4.95 | | 1832.08 | 283.1 | |
| Stevens | 27739.62 SB-100 USC | 1%FW | 10340 | 609.15 | 1790.97 | 5.77 | -0.01 | 1316 | 191.01 | 32% |
| Stevens | 28091.68 | 1% | 10340 | 609.37 | 1907 | 5.42 | | 1848.21 | 269.15 | |
| Stevens | 28091.68 | 1%FW | 10340 | 609.43 | 1639.39 | 6.31 | 0.05 | 1329.85 | 146.8 | 45% |
| Stevens | 28446.92 | 1% | 10340 | 609.55 | 1545.66 | 6.69 | | 1862.21 | 230.78 | |
| Stevens | 28446.92 | 1%FW | 10340 | 609.68 | 1469.85 | 7.03 | 0.13 | 1342.47 | 109.51 | 53% |
| Stevens | 28571.50 SB-110 USF | 1% | 10340 | 610.58 | 1104.54 | 9.36 | | 0.57 | 117.47 | |
| Stevens | 28571.50 SB-110 USF | 1%FW | 10340 | 611.49 | 1127.24 | 9.17 | 0.91 | 0.55 | 102.59 | 13% |
| Stevens | 28653.11 | 1% | 10340 | 611.29 | 1235.75 | 8.37 | | 2.78 | 168.24 | |
| Stevens | 28653.11 | 1%FW | 10340 | 612 | 1163.87 | 8.88 | 0.71 | 2.71 | 115.77 | 31% |
| Stevens | 29355.64 | 1% | 10340 | 612.8 | 831.32 | 12.44 | | 19.45 | 84.27 | |
| Stevens | 29355.64 | 1%FW | 10340 | 613.57 | 811.01 | 12.75 | 0.77 | 18.63 | 61.6 | 27% |
| Stevens | 29863.61 | 1% | 10340 | 615.08 | 949.87 | 11.41 | | 29.83 | 101.25 | |
| Stevens | 29863.61 | 1%FW | 10340 | 615.89 | 870.31 | 11.88 | 0.81 | 28.43 | 69 | 32% |
| Stevens | 30350.63 | 1% | 9690 | 617.21 | 1378.53 | 7.03 | | 42.84 | 255.11 | |
| Stevens | 30350.63 | 1%FW | 9690 | 617.5 | 1087.09 | 8.91 | 0.3 | 39.37 | 133.97 | 48% |
| Stevens | 31145.56 SB-120 DSC | 1% | 8110 | 619.61 | 1163.53 | 6.97 | | 61.75 | 531.02 | |
| Stevens | 31145.56 SB-120 DSC | 1%FW | 8110 | 620.6 | 1047.8 | 7.74 | 0.99 | 55.81 | 231.03 | 56% |
| Stevens | 31210.50 SB-120 DSF | 1% | 8110 | 621.22 | 1468.37 | 5.62 | | 63.47 | 432.51 | |
| Stevens | 31210.50 SB-120 DSF | 1%FW | 8110 | 621.22 | 1229.63 | 6.73 | 0 | 57.35 | 321.33 | 26% |
| Stevens | 31244.37 SB-120USF | 1% | 8110 | 622.81 | 2057.43 | 3.98 | | 64.99 | 422.53 | |
| Stevens | 31244.37 SB-120USF | 1%FW | 8110 | 623.18 | 1815.09 | 4.49 | 0.37 | 58.63 | 321.33 | 27% |
| Stevens | 31373.63 SB-120USC | 1% | 8110 | 623.45 | 2251.79 | 3.6 | | 70.22 | 327.38 | |
| Stevens | 31373.63 SB-120USC | 1%FW | 8110 | 623.57 | 1655.91 | 4.9 | 0.11 | 62.94 | 197.3 | 40% |
| Stevens | 31839.41 | 1% | 8110 | 624.35 | 851.44 | 9.53 | | 86.02 | 130.35 | |
| Stevens | 31839.41 | 1%FW | 8110 | 624.42 | 623.36 | 13.01 | 0.06 | 74.64 | 69.58 | 47% |
| Stevens | 32130.08 | 1% | 8110 | 639.27 | 642.23 | 13.29 | | 90.51 | 103.16 | |
| Stevens | 32130.08 | 1%FW | 8110 | 639.27 | 528.03 | 15.36 | 0.01 | 78.17 | 70.23 | 32% |
| Stevens | 32377.86 | 1% | 8110 | 655.82 | 985.42 | 8.23 | | 3.69 | 202.99 | |
| Stevens | 32377.86 | 1%FW | 8110 | 655.81 | 975.73 | 8.31 | 0 | 3.64 | 193.29 | 2% |
| Stevens | 33238.64 SB-140DSC | 1% | 8110 | 660.67 | 1479.06 | 5.48 | | 23.91 | 160.48 | |
| Stevens | 33238.64 SB-140DSC | 1%FW | 8110 | 660.66 | 1461.35 | 5.55 | -0.01 | 23.72 | 149.02 | 7% |
| Stevens | 33432.68 SB-140USF | 1% | 8110 | 661.65 | 1144.07 | 7.09 | | 28.47 | 145.74 | |
| Stevens | 33432.68 SB-140USF | 1%FW | 8110 | 661.69 | 1128.18 | 7.19 | 0.03 | 28.26 | 125.05 | 14% |
| Stevens | 33509.41 SB-140USC | 1% | 8110 | 662.72 | 2532.52 | 3.2 | | 31.78 | 340.92 | |
| Stevens | 33509.41 SB-140USC | 1%FW | 8110 | 662.71 | 2325.06 | 3.49 | -0.01 | 31.37 | 297.48 | 13% |

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|---------|---------------------|----------|------|------|--------|---------|-------|-------|--------|--------|-----|
| Stevens | | 33895.21 | 1% | 8110 | 662.67 | 1989.4 | 4.08 | | 46.39 | 240.35 | |
| Stevens | | 33895.21 | 1%FW | 8110 | 662.64 | 1796.49 | 4.51 | -0.02 | 44.7 | 194.16 | 13% |
| Stevens | 34194.80 SB-141DSC | | 1% | 8110 | 661.77 | 837.35 | 9.69 | | 56.14 | 107.79 | |
| Stevens | 34194.80 SB-141DSC | | 1%FW | 8110 | 661.88 | 842.32 | 9.63 | 0.11 | 53.8 | 101.35 | 19% |
| Stevens | 34315.69 SB-141DSF | | 1% | 8110 | 664.59 | 1460.64 | 5.55 | | 59.34 | 137.96 | |
| Stevens | 34315.69 SB-141DSF | | 1%FW | 8110 | 664.6 | 1437.29 | 5.64 | 0.01 | 56.97 | 124.47 | 6% |
| Stevens | 34341.29 SB-141USF | | 1% | 8100 | 664.73 | 1542.73 | 5.25 | | 60.19 | 143.15 | |
| Stevens | 34341.29 SB-141USF | | 1%FW | 8100 | 664.75 | 1544.82 | 5.24 | 0.02 | 57.82 | 140.53 | 2% |
| Stevens | 34461.46 SB-141USC | | 1% | 8100 | 665.06 | 1889.02 | 4.29 | | 64.11 | 173.96 | |
| Stevens | 34461.46 SB-141USC | | 1%FW | 8100 | 665.08 | 1881.14 | 4.31 | 0.01 | 61.74 | 166.3 | 2% |
| Stevens | | 35048.55 | 1% | 8100 | 665.49 | 3991.89 | 2.03 | | 87.78 | 390.53 | |
| Stevens | | 35048.55 | 1%FW | 8100 | 665.51 | 3341.44 | 2.42 | 0.02 | 83.47 | 310.41 | 4% |
| Stevens | | 35488.94 | 1% | 8100 | 665.54 | 2540.86 | 3.19 | | 113.14 | 242.58 | |
| Stevens | | 35488.94 | 1%FW | 8100 | 665.55 | 1879.92 | 4.31 | 0.01 | 103.86 | 152.16 | 37% |
| Stevens | | 35523.45 | 1% | 8100 | 665.51 | 2182.68 | 3.71 | | 115.05 | 227.69 | |
| Stevens | | 35523.45 | 1%FW | 8100 | 665.52 | 1646.92 | 4.92 | 0.01 | 105.29 | 140.52 | 38% |
| Stevens | | 35559.85 | 1% | 8100 | 665.52 | 1329.88 | 6.09 | | 1.35 | 196.45 | |
| Stevens | | 35559.85 | 1%FW | 8100 | 666.36 | 1158.45 | 6.99 | 0.84 | 1.1 | 127.94 | 35% |
| Stevens | | 35681.94 | 1% | 8100 | 665.69 | 1213.11 | 6.68 | | 4.16 | 172.47 | |
| Stevens | | 35681.94 | 1%FW | 8100 | 666.58 | 1121.41 | 7.22 | 0.89 | 3.78 | 119.95 | 31% |
| Stevens | | 35854.26 | 1% | 8100 | 664.94 | 653.26 | 12.4 | | 7.62 | 100.25 | |
| Stevens | | 35854.26 | 1%FW | 8100 | 665.85 | 555.21 | 14.59 | 0.91 | 6.94 | 51.96 | 49% |
| Stevens | | 35888.01 | 1% | 8100 | 672.38 | 785.42 | 10.31 | | 8.2 | 134.33 | |
| Stevens | | 35888.01 | 1%FW | 8100 | 673.15 | 499.74 | 16.21 | 0.77 | 7.35 | 48.64 | 64% |
| Stevens | | 36117.4 | 1% | 8100 | 682.8 | 809.81 | 10 | | 11.57 | 169.06 | |
| Stevens | | 36117.4 | 1%FW | 8100 | 682.82 | 586.7 | 13.81 | 0.02 | 10.03 | 99.22 | 41% |
| Stevens | | 36217.4 | 1% | 8100 | 686.89 | 1011.9 | 8 | | 13.66 | 170.44 | |
| Stevens | | 36217.4 | 1%FW | 8100 | 687.87 | 578.17 | 14.01 | 0.98 | 11.37 | 64.9 | 62% |
| Stevens | | 36519.59 | 1% | 8100 | 696.27 | 679.96 | 11.91 | | 19.37 | 90.79 | |
| Stevens | | 36519.59 | 1%FW | 8100 | 696.66 | 492.39 | 16.45 | 0.39 | 15.04 | 47.01 | 48% |
| Stevens | 36727.49 SB-160 DSC | | 1% | 8100 | 702.36 | 473.38 | 17.11 | | 22.09 | 49.87 | |
| Stevens | 36727.49 SB-160 DSC | | 1%FW | 8100 | 702.61 | 425.01 | 19.06 | 0.25 | 17.23 | 37.85 | 24% |
| Stevens | 36922.78 SB-160 USC | | 1% | 8100 | 710.11 | 530.84 | 15.26 | | 24.53 | 66.05 | |
| Stevens | 36922.78 SB-160 USC | | 1%FW | 8100 | 710.1 | 462.79 | 17.5 | -0.01 | 19.56 | 44.15 | 33% |
| Stevens | | 37159.13 | 1% | 8100 | 713.23 | 512.57 | 15.8 | | 27.37 | 68.15 | |
| Stevens | | 37159.13 | 1%FW | 8100 | 713.25 | 450.41 | 17.98 | 0.02 | 22.04 | 44.89 | 33% |
| Stevens | | 37622.45 | 1% | 8100 | 718.63 | 2814.74 | 2.88 | | 45.49 | 326 | |
| Stevens | | 37622.45 | 1%FW | 8100 | 719.12 | 1952.53 | 4.15 | 0.48 | 35.07 | 187.98 | 42% |
| Stevens | | 38057.37 | 1% | 8100 | 718.79 | 2912.99 | 2.78 | | 73.23 | 362.43 | |
| Stevens | | 38057.37 | 1%FW | 8100 | 719.37 | 2017.12 | 4.02 | 0.58 | 54.36 | 214.12 | 56% |
| Stevens | 38764.75 SB-170DSC | | 1% | 8100 | 719.04 | 2666.51 | 3.04 | | 111.37 | 435.4 | |
| Stevens | 38764.75 SB-170DSC | | 1%FW | 8100 | 719.79 | 1958.54 | 4.14 | 0.75 | 82.85 | 241.49 | 45% |
| Stevens | 39212.15 SB-170USC | | 1% | 7680 | 730.04 | 5668.38 | 1.35 | | 22 | 342.44 | |
| Stevens | 39212.15 SB-170USC | | 1%FW | 7680 | 731.02 | 5750.08 | 1.34 | 0.99 | 15.22 | 306.55 | 10% |
| Stevens | | 39985.58 | 1% | 7680 | 730.04 | 4153.82 | 1.85 | | 90.73 | 296.88 | |
| Stevens | | 39985.58 | 1%FW | 7680 | 731.02 | 4094.12 | 1.88 | 0.98 | 84.08 | 244.93 | 17% |
| Stevens | 40759.72 SB-180 DSC | | 1% | 7680 | 730.09 | 3865.96 | 1.99 | | 141.91 | 352.6 | |
| Stevens | 40759.72 SB-180 DSC | | 1%FW | 7680 | 731.06 | 3424.2 | 2.24 | 0.97 | 131.93 | 202.3 | 43% |
| Stevens | 40874.26 SB-180DSF | | 1% | 7680 | 730.04 | 3369.64 | 2.42 | | 151.76 | 508.92 | |
| Stevens | 40874.26 SB-180DSF | | 1%FW | 7680 | 731.02 | 3081.83 | 2.66 | 0.98 | 140.79 | 305.43 | 40% |
| Stevens | 40917.36 SB-180 USF | | 1% | 7680 | 730.22 | 3575.58 | 2.42 | | 154.51 | 516.39 | |
| Stevens | 40917.36 SB-180 USF | | 1%FW | 7680 | 731.16 | 3168.65 | 2.76 | 0.94 | 143.32 | 305.43 | 40% |

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|---------|--------------------------|----|------|--------|---------|------|------|--------|--------|-----|
| Stevens | 41050.56 SB-180 USC | 1% | 7680 | 730.6 | 6103.63 | 1.26 | | 168.29 | 602.06 | |
| Stevens | 41050.56 SB-180 USC 1%FW | | 7680 | 731.43 | 3548.85 | 2.16 | 0.83 | 152.94 | 234.45 | 61% |
| Stevens | 41791.57 | 1% | 7680 | 730.68 | 8160.93 | 0.94 | | 239.44 | 598.45 | |
| Stevens | 41791.57 1%FW | | 7680 | 731.54 | 3840.94 | 2 | 0.86 | 195.29 | 239.59 | 60% |
| Stevens | 42412.61 SB-190DSC | 1% | 7680 | 730.68 | 5577.37 | 1.38 | | 305.95 | 433.67 | |
| Stevens | 42412.61 SB-190DSC 1%FW | | 7680 | 731.62 | 4081.83 | 1.88 | 0.94 | 238.96 | 281.67 | 40% |
| Stevens | 42527.62 SB-190DSF | 1% | 7680 | 730.69 | 6539.84 | 1.18 | | 314.35 | 556.11 | |
| Stevens | 42527.62 SB-190DSF 1%FW | | 7680 | 731.67 | 5812.24 | 1.32 | 0.98 | 247.85 | 450.1 | 21% |
| Stevens | 42542.34 SB-190USF | 1% | 7680 | 730.69 | 6596.92 | 1.17 | | 316.52 | 558.75 | |
| Stevens | 42542.34 SB-190USF 1%FW | | 7680 | 731.68 | 5901.39 | 1.3 | 0.98 | 249.78 | 450.1 | 21% |
| Stevens | 42628.5 SB-190USC | 1% | 7680 | 730.66 | 4376.51 | 1.75 | | 327.2 | 361.26 | |
| Stevens | 42628.5 SB-190USC 1%FW | | 7680 | 731.64 | 3696.81 | 2.08 | 0.98 | 259.06 | 261 | 28% |
| Stevens | 43149.86 | 1% | 7680 | 730.48 | 1587.35 | 4.84 | | 358.31 | 144.44 | |
| Stevens | 43149.86 1%FW | | 7680 | 731.47 | 1497.16 | 5.13 | 0.99 | 287.02 | 108.91 | 25% |
| Stevens | 43775.61 | 1% | 7680 | 731.09 | 2792.35 | 2.75 | | 389.33 | 254.4 | |
| Stevens | 43775.61 1%FW | | 7680 | 732 | 2538.72 | 3.03 | 0.91 | 315.62 | 191.75 | 25% |
| Stevens | 44729.83 | 1% | 7680 | 731.52 | 3253.71 | 2.36 | | 444.18 | 312.78 | |
| Stevens | 44729.83 1%FW | | 7680 | 732.49 | 2982.98 | 2.57 | 0.98 | 366.85 | 242.92 | 22% |
| Stevens | 45749.71 | 1% | 7680 | 731.61 | 2777.94 | 2.76 | | 492.3 | 325.02 | |
| Stevens | 45749.71 1%FW | | 7680 | 732.59 | 2648.46 | 2.9 | 0.98 | 412.62 | 251.27 | 23% |
| Stevens | 46444.44 SB-200 DSC | 1% | 7680 | 731.86 | 4177.29 | 1.84 | | 545.49 | 498.1 | |
| Stevens | 46444.44 SB-200 DSC 1%FW | | 7680 | 732.84 | 3772.77 | 2.04 | 0.98 | 461.81 | 363.09 | 27% |
| Stevens | 46514.87 SB-200 DSF | 1% | 7680 | 731.87 | 3975.9 | 1.93 | | 551.92 | 475.13 | |
| Stevens | 46514.87 SB-200 DSF 1%FW | | 7680 | 732.86 | 3861.42 | 1.99 | 0.99 | 467.81 | 384.92 | 19% |
| Stevens | 46560.98 SB-200USF | 1% | 7680 | 731.87 | 3677.65 | 2.09 | | 555.85 | 490.99 | |
| Stevens | 46560.98 SB-200USF 1%FW | | 7680 | 732.87 | 3623.12 | 2.12 | 1 | 471.67 | 386.81 | 21% |
| Stevens | 46695.08 SB-200USC | 1% | 7680 | 731.89 | 3624.63 | 2.12 | | 568.93 | 497.74 | |
| Stevens | 46695.08 SB-200USC 1%FW | | 7680 | 732.88 | 3259.82 | 2.36 | 0.99 | 484.12 | 354.76 | 29% |
| Stevens | 47493.07 SB-201?DSC | 1% | 7680 | 732.01 | 3363.72 | 2.28 | | 617.54 | 541.92 | |
| Stevens | 47493.07 SB-201?DSC 1%FW | | 7680 | 732.99 | 3232.65 | 2.38 | 0.98 | 529.71 | 413.28 | 24% |
| Stevens | 47532.75 SB-201DSF | 1% | 7680 | 732.02 | 3369.29 | 2.29 | | 621.34 | 562.08 | |
| Stevens | 47532.75 SB-201DSF 1%FW | | 7680 | 733.02 | 3604.9 | 2.14 | 1 | 533.55 | 509.07 | 9% |
| Stevens | 47549.53 SB-201USF | 1% | 7680 | 732.03 | 3341.02 | 2.31 | | 622.6 | 557.29 | |
| Stevens | 47549.53 SB-201USF 1%FW | | 7680 | 733.03 | 3522.37 | 2.18 | 1 | 534.9 | 499.18 | 10% |
| Stevens | 47616.17 SB-201USC | 1% | 7680 | 732.05 | 3423.45 | 2.24 | | 626.78 | 564.08 | |
| Stevens | 47616.17 SB-201USC 1%FW | | 7680 | 733.04 | 3290.41 | 2.33 | 0.98 | 539.14 | 431.39 | 23% |
| Stevens | 48319.61 | 1% | 7680 | 732.22 | 3013.63 | 2.55 | | 676.36 | 765.32 | |
| Stevens | 48319.61 1%FW | | 7680 | 733.17 | 2541.98 | 3.02 | 0.95 | 583.98 | 376.2 | 51% |
| Stevens | 48937.98 SB-210 DSC | 1% | 7680 | 732.47 | 2378.54 | 3.23 | | 715.2 | 506.54 | |
| Stevens | 48937.98 SB-210 DSC 1%FW | | 7680 | 733.42 | 2002.63 | 3.83 | 0.95 | 616.74 | 327 | 35% |
| Stevens | 48991.00 SB-210DSF | 1% | 7680 | 732.48 | 1984.28 | 3.9 | | 717.87 | 505.78 | |
| Stevens | 48991.00 SB-210DSF 1%FW | | 7680 | 733.43 | 1759.95 | 4.4 | 0.95 | 619.04 | 342.67 | 32% |
| Stevens | 49016.08 SB-210USF | 1% | 7680 | 732.49 | 1755.63 | 4.41 | | 718.9 | 515.1 | |
| Stevens | 49016.08 SB-210USF 1%FW | | 7680 | 733.45 | 1606.67 | 4.82 | 0.96 | 619.97 | 342.67 | 33% |
| Stevens | 49092.70 SB-210USC | 1% | 7680 | 732.72 | 2116.28 | 3.63 | | 722.31 | 595.65 | |
| Stevens | 49092.70 SB-210USC 1%FW | | 7680 | 733.41 | 1197.1 | 6.42 | 0.69 | 622.44 | 256 | 33% |
| Stevens | 50033.67 | 1% | 7680 | 734.56 | 1191.16 | 6.45 | | 751.1 | 412.81 | |
| Stevens | 50033.67 1%FW | | 7680 | 735.53 | 1055.2 | 7.28 | 0.97 | 643.02 | 227.39 | 57% |
| Stevens | 50946.51 | 1% | 7680 | 737.8 | 1120.31 | 6.86 | | 773.06 | 272.45 | |
| Stevens | 50946.51 1%FW | | 7680 | 738.27 | 914.26 | 8.4 | 0.48 | 661.84 | 155.36 | 45% |
| Stevens | 51574.5 | 1% | 7680 | 740.05 | 1605.42 | 4.78 | | 791.44 | 501.66 | |

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|---------|----------|------------|------|--------|---------|---------|-------|--------|---------|--------|-----|
| Stevens | 51574.5 | 1%FW | 7680 | 740.72 | 1193.13 | 6.44 | 0.66 | 676.06 | 190.62 | 62% | |
| Stevens | 52068.40 | SB-211 DSC | 1% | 6290 | 741.28 | 1921.63 | 3.27 | | 806.21 | 354.31 | |
| Stevens | 52068.40 | SB-211 DSC | 1%FW | 6290 | 742.13 | 1347.35 | 4.67 | 0.85 | 687.14 | 212.55 | 40% |
| Stevens | 52125.07 | SB-211DSF | 1% | 6290 | 741.2 | 1323.42 | 4.85 | | 809.19 | 276.39 | |
| Stevens | 52125.07 | SB-211DSF | 1%FW | 6290 | 742.12 | 1155.18 | 5.54 | 0.91 | 689.34 | 191.66 | 31% |
| Stevens | 52143.90 | SB-211USF | 1% | 6290 | 741.23 | 1251.65 | 5.23 | | 809.71 | 272.18 | |
| Stevens | 52143.90 | SB-211USF | 1%FW | 6290 | 742.18 | 1181.38 | 5.53 | 0.96 | 689.8 | 191.66 | 30% |
| Stevens | 52240.00 | SB-211USC | 1% | 6290 | 740.99 | 675.74 | 9.31 | | 812.53 | 162.78 | |
| Stevens | 52240.00 | SB-211USC | 1%FW | 6290 | 741.64 | 581.47 | 10.82 | 0.66 | 692.38 | 84.08 | 48% |
| Stevens | 53064.45 | | 1% | 6290 | 744.65 | 971.31 | 6.48 | | 826.45 | 287.84 | |
| Stevens | 53064.45 | | 1%FW | 6290 | 745.31 | 743.25 | 8.46 | 0.66 | 703.92 | 100.6 | 65% |
| Stevens | 53608.26 | SB-212DSC | 1% | 6290 | 745.7 | 734.47 | 8.56 | | 837.04 | 126.39 | |
| Stevens | 53608.26 | SB-212DSC | 1%FW | 6290 | 746.29 | 672 | 9.36 | 0.59 | 712.71 | 88.33 | 30% |
| Stevens | 53765.17 | SB-212DSF | 1% | 6290 | 747.03 | 856.92 | 7.34 | | 839.98 | 126.43 | |
| Stevens | 53765.17 | SB-212DSF | 1%FW | 6290 | 747.18 | 689.09 | 9.13 | 0.15 | 715.21 | 77.55 | 38% |
| Stevens | 53782.14 | SB-212USF | 1% | 6290 | 747.52 | 939.37 | 6.7 | | 840.33 | 134.06 | |
| Stevens | 53782.14 | SB-212USF | 1%FW | 6290 | 747.57 | 706.28 | 8.91 | 0.05 | 715.48 | 76 | 43% |
| Stevens | 53852.26 | SB-212USC | 1% | 6290 | 747.68 | 866.65 | 7.26 | | 841.67 | 141.34 | |
| Stevens | 53852.26 | SB-212USC | 1%FW | 6290 | 748.19 | 714.99 | 8.8 | 0.51 | 716.57 | 74.46 | 48% |
| Stevens | 54695.89 | | 1% | 6290 | 749.82 | 1120.68 | 5.61 | | 860.41 | 206.43 | |
| Stevens | 54695.89 | | 1%FW | 6290 | 750.5 | 752.74 | 8.36 | 0.68 | 730.66 | 66.86 | 68% |
| Stevens | 55371.37 | | 1% | 6290 | 751.23 | 2585.25 | 2.43 | | 887.41 | 341.87 | |
| Stevens | 55371.37 | | 1%FW | 6290 | 752.07 | 2245.15 | 2.8 | 0.84 | 752.63 | 253.7 | 25% |
| Stevens | 56200.03 | | 1% | 6290 | 751.52 | 1993.35 | 3.16 | | 919.85 | 396.28 | |
| Stevens | 56200.03 | | 1%FW | 6290 | 752.37 | 1808.69 | 3.48 | 0.85 | 781.87 | 274.37 | 31% |
| Stevens | 57182.52 | SB-213DSC | 1% | 6290 | 752.3 | 2755.47 | 2.28 | | 959.28 | 667.32 | |
| Stevens | 57182.52 | SB-213DSC | 1%FW | 6290 | 753.19 | 1884.79 | 3.34 | 0.89 | 812.91 | 337.33 | 63% |
| Stevens | 57309.73 | SB-213DSF | 1% | 6290 | 752.32 | 2478.6 | 2.54 | | 964.74 | 636.98 | |
| Stevens | 57309.73 | SB-213DSF | 1%FW | 6290 | 753.24 | 1778.26 | 3.54 | 0.92 | 816.99 | 327.36 | 48% |
| Stevens | 57329.64 | SB-213 USF | 1% | 6290 | 752.32 | 2302.27 | 2.73 | | 965.77 | 607.94 | |
| Stevens | 57329.64 | SB-213 USF | 1%FW | 6290 | 753.25 | 1755.26 | 3.58 | 0.93 | 817.75 | 328 | 46% |
| Stevens | 57450.83 | SB-213USC | 1% | 4860 | 752.41 | 2018.34 | 2.41 | | 970.1 | 588.72 | |
| Stevens | 57450.83 | SB-213USC | 1%FW | 4860 | 753.32 | 1346.23 | 3.61 | 0.91 | 821.07 | 254 | 57% |
| Stevens | 57948.22 | | 1% | 4860 | 752.72 | 1378.26 | 3.53 | | 987.05 | 393.3 | |
| Stevens | 57948.22 | | 1%FW | 4860 | 753.6 | 945.23 | 5.14 | 0.88 | 832.8 | 187 | 52% |
| Stevens | 58441.42 | SB-220 DSC | 1% | 4860 | 754.03 | 771.86 | 6.3 | | 998.93 | 260.34 | |
| Stevens | 58441.42 | SB-220 DSC | 1%FW | 4860 | 755 | 526.01 | 9.24 | 0.97 | 840.96 | 104.03 | 60% |
| Stevens | 58517.92 | SB-220 DSF | 1% | 4860 | 758.9 | 994.69 | 6.61 | | 1000.51 | 211.71 | |
| Stevens | 58517.92 | SB-220 DSF | 1%FW | 4860 | 758.9 | 646.89 | 8.46 | 0 | 842.01 | 137 | 35% |
| Stevens | 58570.78 | SB-220 USF | 1% | 4860 | 761.04 | 1761.17 | 3.35 | | 1001.67 | 316.22 | |
| Stevens | 58570.78 | SB-220 USF | 1%FW | 4860 | 761.59 | 1269.11 | 4.55 | 0.54 | 842.85 | 152 | 52% |
| Stevens | 58714.65 | SB-220 USC | 1% | 4860 | 761.29 | 3043.94 | 1.6 | | 1009.22 | 368.94 | |
| Stevens | 58714.65 | SB-220 USC | 1%FW | 4860 | 762.04 | 2791.3 | 1.74 | 0.75 | 849.26 | 269.76 | 27% |
| Stevens | 59419.77 | | 1% | 4860 | 761.39 | 6153.11 | 0.79 | | 1072.25 | 855.62 | |
| Stevens | 59419.77 | | 1%FW | 4860 | 762.12 | 2048.67 | 2.37 | 0.73 | 881.72 | 244.69 | 71% |
| Stevens | 60352.6 | | 1% | 4860 | 761.49 | 3738.89 | 1.3 | | 1158.74 | 934.35 | |
| Stevens | 60352.6 | | 1%FW | 4860 | 762.43 | 1806.48 | 2.69 | 0.93 | 915.95 | 264 | 72% |
| Stevens | 61149.58 | | 1% | 4860 | 762.06 | 1019.26 | 4.77 | | 1193.81 | 470.37 | |
| Stevens | 61149.58 | | 1%FW | 4860 | 762.55 | 648.7 | 7.49 | 0.5 | 934.08 | 177.27 | 62% |
| Stevens | 62009.03 | SB-230DSC | 1% | 4860 | 765.58 | 742.76 | 6.54 | | 1206.37 | 268.17 | |
| Stevens | 62009.03 | SB-230DSC | 1%FW | 4860 | 766.59 | 719.29 | 6.76 | 1.01 | 944.09 | 175 | 35% |

| | | | | | | | | | | |
|---------|---------------------|------|------|--------|---------|-------|-------|---------|---------|-----|
| Stevens | 62171.17 SB-230 DSF | 1% | 4860 | 768.04 | 918.08 | 5.29 | | 1209.4 | 355.89 | |
| Stevens | 62171.17 SB-230 DSF | 1%FW | 4860 | 768.55 | 724.74 | 6.71 | 0.51 | 946.71 | 203.08 | 43% |
| Stevens | 62213.71 SB-230 USF | 1% | 4860 | 770.04 | 1376.39 | 3.53 | | 1210.47 | 411.61 | |
| Stevens | 62213.71 SB-230 USF | 1%FW | 4860 | 770.95 | 963.37 | 5.04 | 0.92 | 947.42 | 203.08 | 51% |
| Stevens | 62377.08 SB-230 USC | 1% | 4860 | 770.49 | 1908.1 | 2.55 | | 1213.65 | 444.95 | |
| Stevens | 62377.08 SB-230 USC | 1%FW | 4860 | 771.45 | 916.78 | 5.3 | 0.96 | 949.74 | 132 | 70% |
| Stevens | 63051.51 SB-240 USF | 1% | 4840 | 778.76 | 750.5 | 6.55 | | 1230.35 | 153.01 | |
| Stevens | 63051.51 SB-240 USF | 1%FW | 4840 | 778.53 | 715.87 | 6.88 | -0.23 | 960.35 | 149.81 | 3% |
| Stevens | 63087.15 SB-240USC | 1% | 4840 | 778.48 | 416.43 | 11.62 | | 1230.82 | 45.5 | |
| Stevens | 63087.15 SB-240USC | 1%FW | 4840 | 778.31 | 408.66 | 11.84 | -0.17 | 960.8 | 44.77 | 3% |
| Stevens | 63754.3 | 1% | 4840 | 800.15 | 379.14 | 12.77 | | 1236.91 | 60.86 | |
| Stevens | 63754.3 | 1%FW | 4840 | 800.21 | 295.42 | 16.38 | 0.06 | 966.19 | 33.91 | 2% |
| Stevens | 64735.28 SB-250 USC | 1% | 4840 | 861.94 | 1038.95 | 4.66 | | 1246.47 | 124.03 | |
| Stevens | 64735.28 SB-250 USC | 1%FW | 4840 | 861.93 | 1008.62 | 4.8 | -0.01 | 975.15 | 93.73 | 25% |
| Stevens | 65505.64 | 1% | 4840 | 862.57 | 2413.78 | 2.01 | | 1272.11 | 196.74 | |
| Stevens | 65505.64 | 1%FW | 4840 | 862.55 | 2016.07 | 2.4 | -0.01 | 998.01 | 130.98 | 29% |
| Stevens | 66248.66 | 1% | 4840 | 862.69 | 2466.37 | 1.96 | | 1309.23 | 248 | |
| Stevens | 66248.66 | 1%FW | 4840 | 862.69 | 1980.92 | 2.44 | 0 | 1029.06 | 152.8 | 38% |
| Stevens | 66974.9 | 1% | 4070 | 862.8 | 6400.76 | 0.64 | | 1377.9 | 965.14 | |
| Stevens | 66974.9 | 1%FW | 4070 | 862.85 | 4850.24 | 0.85 | 0.04 | 1082.36 | 528.4 | 45% |
| Stevens | 67297.09 SB-260 DSC | 1% | 4070 | 862.81 | 5712.51 | 0.71 | | 1420.76 | 1089.22 | |
| Stevens | 67297.09 SB-260 DSC | 1%FW | 4070 | 862.86 | 4236.22 | 0.96 | 0.05 | 1115.74 | 567.54 | 48% |
| Stevens | 67600.35 SB-260 USC | 1% | 4070 | 862.82 | 3996.77 | 1.02 | | 23.29 | 1118.32 | |
| Stevens | 67600.35 SB-260 USC | 1%FW | 4070 | 862.88 | 2635.42 | 1.54 | 0.06 | 15.57 | 427.6 | 61% |
| Stevens | 68362.32 | 1% | 2850 | 862.9 | 4780.38 | 0.6 | | 96.35 | 840.82 | |
| Stevens | 68362.32 | 1%FW | 2850 | 863 | 4148.53 | 0.69 | 0.1 | 72.07 | 621.66 | 26% |
| Stevens | 70190.98 SB-270 DSC | 1% | 2850 | 862.95 | 1539.07 | 1.85 | | 182.28 | 311.83 | |
| Stevens | 70190.98 SB-270 DSC | 1%FW | 2850 | 863.06 | 1197.52 | 2.38 | 0.11 | 143.41 | 214.16 | 31% |
| Stevens | 70352.40 SB-270DSF | 1% | 2850 | 864.1 | 2017.77 | 3.39 | | 188.74 | 669.98 | |
| Stevens | 70352.40 SB-270DSF | 1%FW | 2850 | 864.44 | 1084.36 | 3.87 | 0.34 | 147.54 | 215.68 | 68% |
| Stevens | 70421.43 SB-270 USF | 1% | 2850 | 865.08 | 1981.85 | 2.74 | | 190.56 | 699.79 | |
| Stevens | 70421.43 SB-270 USF | 1%FW | 2850 | 865.82 | 1209.36 | 4.4 | 0.74 | 148.64 | 215.68 | 69% |
| Stevens | 70534.74 SB-270 USC | 1% | 2850 | 865.47 | 2927.13 | 0.97 | | 196.22 | 614.19 | |
| Stevens | 70534.74 SB-270 USC | 1%FW | 2850 | 866.47 | 2522.37 | 1.13 | 1 | 152.74 | 313.02 | 49% |
| Stevens | 71256.77 | 1% | 2850 | 865.51 | 2353.61 | 1.21 | | 229.02 | 687.56 | |
| Stevens | 71256.77 | 1%FW | 2850 | 866.5 | 1877.58 | 1.52 | 0.99 | 180.01 | 294.74 | 57% |
| Stevens | 72040.82 SB-280 DSC | 1% | 2850 | 865.49 | 782.17 | 3.68 | | 253.75 | 400.87 | |
| Stevens | 72040.82 SB-280 DSC | 1%FW | 2850 | 866.37 | 485.04 | 5.88 | 0.87 | 198.64 | 78.6 | 80% |
| Stevens | 72087.01 SB-280 DSF | 1% | 2850 | 866.02 | 1536.85 | 1.85 | | 254.77 | 635.83 | |
| Stevens | 72087.01 SB-280 DSF | 1%FW | 2850 | 867 | 1438.88 | 1.98 | 0.98 | 199.49 | 310.29 | 51% |
| Stevens | 72144.60 SB-280 USF | 1% | 2850 | 866.71 | 1926.74 | 1.48 | | 1.3 | 809.86 | |
| Stevens | 72144.60 SB-280 USF | 1%FW | 2850 | 867.6 | 1476.76 | 1.93 | 0.89 | 1.03 | 310.29 | 61% |
| Stevens | 72204.07 SB-280 USC | 1% | 2850 | 866.74 | 1719.33 | 1.66 | | 3.85 | 480.49 | |
| Stevens | 72204.07 SB-280 USC | 1%FW | 2850 | 867.63 | 1600.76 | 1.78 | 0.9 | 3.18 | 255.5 | 47% |
| Stevens | 72763.1 | 1% | 2850 | 866.83 | 2957.62 | 0.96 | | 33.09 | 598.61 | |
| Stevens | 72763.1 | 1%FW | 2850 | 867.72 | 3088.04 | 0.92 | 0.88 | 32.47 | 517.03 | 14% |
| Stevens | 73809.97 | 1% | 2850 | 866.92 | 1410.24 | 2.02 | | 74.91 | 441.51 | |
| Stevens | 73809.97 | 1%FW | 2850 | 867.77 | 1459.09 | 1.95 | 0.85 | 76.19 | 345.92 | 22% |
| Stevens | 74690.35 | 1% | 2850 | 868.3 | 621.51 | 4.59 | | 89.66 | 345.99 | |
| Stevens | 74690.35 | 1%FW | 2850 | 868.53 | 436.08 | 6.54 | 0.23 | 90.08 | 154.64 | 55% |
| Stevens | 75356.31 SB-290 DSC | 1% | 2850 | 872 | 850.17 | 3.81 | | 98.69 | 459.95 | |
| Stevens | 75356.31 SB-290 DSC | 1%FW | 2850 | 872.51 | 642.81 | 4.43 | 0.5 | 96.84 | 190.97 | 59% |

| | | | | | | | | | | |
|---------|---------------------|------|------|-------------------|---------|-------|----------------------|-------|-----------------------|-------|
| Stevens | 75403.46 SB-290 DSF | 1% | 1770 | 872.48 | 933.38 | 1.9 | | 99.74 | 421.14 | |
| Stevens | 75403.46 SB-290 DSF | 1%FW | 1770 | 873 | 736.59 | 2.4 | 0.52 | 97.62 | 175.38 | 58% |
| Stevens | 75445.70 SB-290 USF | 1% | 1770 | 873.32 | 1207.81 | 1.47 | | 0.55 | 531.04 | |
| Stevens | 75445.70 SB-290 USF | 1%FW | 1770 | 874.14 | 864.43 | 2.05 | 0.82 | 0.42 | 175.38 | 67% |
| Stevens | 75515.79 SB-290 USC | 1% | 1770 | 873.39 | 1785.02 | 0.99 | | 2.95 | 703.26 | |
| Stevens | 75515.79 SB-290 USC | 1%FW | 1770 | 874.24 | 1586.9 | 1.12 | 0.85 | 2.44 | 379.39 | 46% |
| Stevens | 76324.63 | 1% | 1770 | 873.64 | 1221.55 | 1.45 | | 27.36 | 641.17 | |
| Stevens | 76324.63 | 1%FW | 1770 | 874.4 | 1071.13 | 1.65 | 0.76 | 24.13 | 324.29 | 49% |
| Stevens | 77149.01 | 1% | 1770 | 876.15 | 305.64 | 5.79 | | 38.2 | 296.33 | |
| Stevens | 77149.01 | 1%FW | 1770 | 876.56 | 252.35 | 7.01 | 0.41 | 33.46 | 163.62 | 45% |
| Stevens | 77723.17 | 1% | 1770 | 878.78 | 609.91 | 2.9 | | 43.7 | 333.19 | |
| Stevens | 77723.17 | 1%FW | 1770 | 879.21 | 494.94 | 3.58 | 0.43 | 37.99 | 165.41 | 50% |
| Stevens | 78273.39 | 1% | 1770 | 883.77 | 173.32 | 10.21 | | 47.92 | 37.06 | |
| Stevens | 78273.39 | 1%FW | 1770 | 883.93 | 135.61 | 13.05 | 0.16 | 41.37 | 22.04 | 40% |
| Stevens | 79056.44 SB-300 DSC | 1% | 830 | 898.22 | 195.27 | 4.25 | | 51.05 | 158.13 | |
| Stevens | 79056.44 SB-300 DSC | 1%FW | 830 | 898.43 | 116.62 | 7.12 | 0.22 | 43.54 | 56.89 | 65% |
| Stevens | 79162.01 SB-300 DSF | 1% | 830 | 900.29 | 242.74 | 4.15 | | 51.33 | 183.35 | |
| Stevens | 79162.01 SB-300 DSF | 1%FW | 830 | 900.47 | 156.8 | 5.85 | 0.17 | 43.71 | 89.73 | 58% |
| Stevens | 79202.20 SB-300USF | 1% | 830 | 901.7 | 509.52 | 2.31 | | 0.23 | 167.74 | |
| Stevens | 79202.20 SB-300USF | 1%FW | 830 | 902.6 | 338.08 | 2.76 | 0.9 | 0.18 | 89.73 | 46% |
| Stevens | 79260.5 SB-300 USC | 1% | 830 | 901.79 | 519.79 | 1.6 | | 1.29 | 131.99 | |
| Stevens | 79260.5 SB-300 USC | 1%FW | 830 | 902.79 | 485.25 | 1.71 | 1 | 0.95 | 81.92 | 38% |
| Stevens | 79940.9 | 1% | 830 | 902.44 | 815.87 | 1.02 | | 9.87 | 515.82 | |
| Stevens | 79940.9 | 1%FW | 830 | 903.24 | 793.39 | 1.05 | 0.8 | 9.14 | 303.28 | 41% |
| Stevens | 80724.61 SB-310 DSC | 1% | 830 | 905.18 | 207.77 | 3.99 | | 18.82 | 180.55 | |
| Stevens | 80724.61 SB-310 DSC | 1%FW | 830 | 905.38 | 128.77 | 6.45 | 0.2 | 17.25 | 70.59 | 61% |
| Stevens | 80806.62 SB-310DSF | 1% | 830 | 906.81 | 249.23 | 3.33 | | 19.17 | 219.06 | |
| Stevens | 80806.62 SB-310DSF | 1%FW | 830 | 907.02 | 170.36 | 4.87 | 0.22 | 17.48 | 83.85 | 62% |
| Stevens | 80828.87 SB-310USF | 1% | 830 | 907.8 | 363.83 | 2.5 | | 0.13 | 211.8 | |
| Stevens | 80828.87 SB-310USF | 1%FW | 830 | 908.74 | 269.81 | 3.08 | 0.94 | 0.1 | 83.85 | 61% |
| Stevens | 80917.91 SB-310USC | 1% | 830 | 908.08 | 1205.36 | 0.69 | | 1.28 | 599.28 | |
| Stevens | 80917.91 SB-310USC | 1%FW | 830 | 909.1 | 1233.82 | 0.67 | 1.02 | 1.15 | 352.67 | 41% |
| Stevens | 81320.33 SB-320DSC | 1% | 830 | 910.02 | 1319.52 | 5.41 | | 12.82 | 139.05 | |
| Stevens | 81320.33 SB-320DSC | 1%FW | 830 | 910.33 | 112.69 | 7.37 | 0.31 | 7.2 | 61.92 | 56% |
| Stevens | 81399.33 SB-320 DSF | 1% | 830 | 910.72 | 1477.24 | 4.76 | | 15.53 | 175.64 | |
| Stevens | 81399.33 SB-320 DSF | 1%FW | 830 | 911.66 | 230.12 | 3.61 | 0.94 | 7.51 | 115.59 | 34% |
| Stevens | 81418.10 SB-320 USF | 1% | 830 | 911.35 | 382.87 | 2.18 | | 16 | 201.32 | |
| Stevens | 81418.10 SB-320 USF | 1%FW | 830 | 912.04 | 405.93 | 2.04 | 0.7 | 7.64 | 140.91 | 30% |
| Stevens | 81539.55 SB-320 USC | 1% | 830 | 911.47 | 461.8 | 1.8 | | 17.18 | 214.75 | |
| Stevens | 81539.55 SB-320 USC | 1%FW | 830 | 912.13 | 476.07 | 1.74 | 0.66 | 8.87 | 137.9 | 36% |
| Stevens | 82359.3 | 1% | 830 | 911.6 | 1673.69 | 0.5 | | 37.27 | 568.85 | |
| Stevens | 82359.3 | 1%FW | 830 | 912.21 | 2015.16 | 0.41 | 0.62 | 32.31 | 561.22 | 1% |
| Stevens | 82917.35 | 1% | 830 | 911.59 | 1320.05 | 0.63 | | 37.3 | 464.28 | |
| Stevens | 82917.35 | 1%FW | 830 | 912.21 | 1534.29 | 0.54 | 0.62 | 32.35 | 427.38 | 8% |
| | | | | | | | | | | 7842% |
| | | | | Velocity Increase | | | Storage 18% Decrease | | Average Topwidth Dec. | 39% |

SUGAR RIVER

| Reach | River Sta | Profile | Q Total {cfs} | W.S. Elev {ft} | Area {sq ft} | Vel Total {ft/s} | Prof Delta {ft} | Volume {acre-ft} | Top Wdth Act {ft} | Act Topwdth Dec. {%} |
|-------|-----------|------------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|----------------------|-------------------------|
| 1 | 89746 | Gannett Stn 8974 | 2335 | 920.85 | 3173.46 | 2.49 | | | 137 | |
| 1 | 89746 | Gannett Stn 8974 | 2335 | 921.85 | 1611.43 | 2.4 | 1 | | 120.79 | 12% |
| 1 | | 90005 100-Year | 2335 | 921.06 | 2937.22 | 0.87 | | 23.04 | 638 | |
| 1 | | 90005 Floodway | 2335 | 922.02 | 2065.94 | 1.13 | 0.97 | 13.13 | 323.66 | 49% |
| 1 | | 90491 100-Year | 2335 | 921.1 | 1227.23 | 1.9 | | 45.47 | 309.44 | |
| 1 | | 90491 Floodway | 2335 | 922.06 | 984.84 | 2.37 | 0.95 | 30.03 | 144.46 | 53% |
| 1 | | 91072 100-Year | 2335 | 921.32 | 1750.86 | 1.33 | | 64.74 | 509.23 | |
| 1 | | 91072 Floodway | 2335 | 922.28 | 1330.08 | 1.76 | 0.96 | 45.04 | 208.22 | 59% |
| 1 | | 91975 100-Year | 2335 | 921.52 | 1899.86 | 1.23 | | 89.25 | 417.82 | |
| 1 | | 91975 Floodway | 2335 | 922.49 | 1613.41 | 1.45 | 0.97 | 65.52 | 236.87 | 47% |
| 1 | | 92819 100-Year | 2335 | 921.72 | 3281.75 | 0.71 | | 125.85 | 888.85 | |
| 1 | | 92819 Floodway | 2335 | 922.69 | 2848.21 | 0.82 | 0.97 | 96.69 | 545.2 | 39% |
| 1 | | 93513 100-Year | 2335 | 921.83 | 4109.97 | 0.57 | | 168.3 | 1099.1 | |
| 1 | | 93513 Floodway | 2335 | 922.8 | 3549.21 | 0.66 | 0.97 | 134.06 | 706.68 | 34% |
| 1 | | 94331 100-Year | 2335 | 921.96 | 2737.4 | 0.92 | | 217.24 | 654.15 | |
| 1 | | 94331 Floodway | 2335 | 922.91 | 2304.3 | 1.01 | 0.95 | 176.03 | 431 | 34% |
| 1 | | 94895 100-Year | 2335 | 922.05 | 3522.8 | 0.66 | | 247.95 | 982.52 | |
| 1 | | 94895 Floodway | 2335 | 923 | 2978.47 | 0.78 | 0.95 | 201.79 | 579.17 | 41% |
| 1 | | 96164 100-Year | 2335 | 922.17 | 1642.7 | 1.69 | | 292.05 | 749.26 | |
| 1 | | 96164 Floodway | 2335 | 923.08 | 881.61 | 2.65 | 0.91 | 235.88 | 155.88 | 79% |
| 1 | | 96986 100-Year | 2335 | 922.57 | 2288.96 | 1.47 | | 313.86 | 657.76 | |
| 1 | | 96986 Floodway | 2335 | 923.51 | 1122.49 | 2.08 | 0.94 | 247.97 | 226.36 | 66% |
| 1 | | 97852 100-Year | 2335 | 922.85 | 2535.24 | 1.22 | | 346.04 | 520.71 | |
| 1 | | 97852 Floodway | 2335 | 923.81 | 1478.78 | 1.58 | 0.96 | 267.56 | 268.61 | 48% |
| 1 | | 98410 100-Year | 2335 | 922.98 | 1613.86 | 1.82 | | 366.3 | 343.71 | |
| 1 | | 98410 Floodway | 2335 | 923.93 | 1017.16 | 2.3 | 0.95 | 280.12 | 193.71 | 44% |
| 1 | | 98575 100-Year | 2335 | 923 | 1100.08 | 3.77 | | 372.55 | 132 | |
| 1 | | 98575 Floodway | 2335 | 923.9 | 490.27 | 4.76 | 0.89 | 283.47 | 74.36 | 44% |
| 1 | | 98721 100-Year | 2335 | 923.29 | 1037.75 | 4.75 | | 374.74 | 100.86 | |
| 1 | | 98721 Floodway | 2335 | 924.16 | 460.66 | 5.54 | 0.87 | 284.83 | 65.35 | 35% |
| 1 | | 98933 100-Year | 2335 | 924 | 1537.95 | 1.6 | | 381.36 | 300.25 | |
| 1 | | 98933 Floodway | 2335 | 924.98 | 1157.76 | 2.02 | 0.98 | 288.92 | 169.61 | 44% |
| 1 | | 99748 100-Year | 2335 | 924.2 | 2325.55 | 1 | | 409.85 | 500.45 | |
| 1 | | 99748 Floodway | 2335 | 925.19 | 1994.12 | 1.17 | 0.99 | 313.08 | 300.57 | 40% |
| 1 | | 100298 100-Year | 2335 | 924.33 | 2031.39 | 1.15 | | 442.61 | 479.28 | |
| 1 | | 100298 Floodway | 2335 | 925.31 | 1663.99 | 1.4 | 0.98 | 340.79 | 283.08 | 41% |
| 1 | | 101191 100-Year | 2335 | 924.51 | 2809.69 | 0.83 | | 485.77 | 969.34 | |
| 1 | | 101191 Floodway | 2335 | 925.49 | 2296.59 | 1.02 | 0.98 | 375.93 | 394.93 | 59% |
| 1 | | 103071 100-Year | 2335 | 924.68 | 3623.47 | 0.64 | | 567.08 | 1279.97 | |
| 1 | | 103071 Floodway | 2335 | 925.66 | 2889.76 | 0.81 | 0.98 | 442.4 | 694.95 | 46% |
| 1 | | 105439 100-Year | 1984 | 924.84 | 2701.59 | 0.73 | | 630.66 | 957.53 | |
| 1 | | 105439 Floodway | 1984 | 925.82 | 2097.4 | 0.95 | 0.98 | 497.83 | 457.45 | 52% |
| 1 | | 106336 100-Year | 1984 | 924.94 | 4071.09 | 0.65 | | 672.99 | 1100.07 | |
| 1 | | 106336 Floodway | 1984 | 925.92 | 2288.01 | 0.87 | 0.98 | 526.85 | 498.21 | 55% |
| 1 | | 108021 100-Year | 1984 | 925.08 | 4266.23 | 0.51 | | 759.83 | 1527.01 | |
| 1 | | 108021 Floodway | 1984 | 926.06 | 2896.04 | 0.69 | 0.97 | 578.02 | 701.84 | 54% |
| 1 | | 109332 100-Year | 1984 | 925.19 | 3966.42 | 0.8 | | 813.53 | 1052 | |
| 1 | | 109332 Floodway | 1984 | 926.16 | 2033.06 | 0.98 | 0.97 | 608.38 | 600.85 | 43% |
| 1 | 109511.* | 100-Year | 1984 | 925.23 | 3406.82 | 1.17 | | 825.47 | 871.6 | |

| | | | | | | | | | | |
|---|----------|----------|------|--------|---------|------|------|--------|--------|-----|
| 1 | 109511.* | Floodway | 1984 | 926.18 | 1228.42 | 1.62 | 0.95 | 612.28 | 385.43 | 56% |
| 1 | 109691.* | 100-Year | 1984 | 925.32 | 3037 | 1.76 | | 836.42 | 665.86 | |
| 1 | 109691.* | Floodway | 1984 | 926.22 | 690.26 | 2.87 | 0.9 | 614.58 | 200.15 | 70% |
| 1 | 109870.* | 100-Year | 1984 | 925.54 | 3185.96 | 2.28 | | 847.48 | 451.2 | |
| 1 | 109870.* | Floodway | 1984 | 926.42 | 517.87 | 3.83 | 0.88 | 616.14 | 133.81 | 70% |
| 1 | 110050.* | 100-Year | 1984 | 925.85 | 3670.54 | 2.89 | | 860.17 | 301.61 | |
| 1 | 110050.* | Floodway | 1984 | 926.73 | 422.86 | 4.69 | 0.88 | 617.42 | 95.56 | 68% |
| 1 | 110230 | 100-Year | 1984 | 926.23 | 4375.57 | 4.1 | | 875.49 | 150 | |
| 1 | 110230 | Floodway | 1984 | 927.13 | 345.97 | 5.73 | 0.89 | 618.61 | 68.38 | 55% |

Velocity Increase Storage 32% Decrease Average 29% Topwidth Dec. 50%

FOUR MILE CREEK

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth (ft) | Act Topwdth (ft) | Dec. |
|-----------|-----------|---------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|------------------|---------------------|------|
| Reach - 1 | 283 | 100-NAT | 4750 | 533.41 | 3388.51 | 1.4 | | | 769.85 | | |
| Reach - 1 | 283 | 100-FW | 4750 | 534.41 | 2678.15 | 1.77 | 1 | | 423.77 | | 45% |
| Reach - 1 | 779 | 100-NAT | 4750 | 533.94 | 2416.92 | 1.97 | | 33.05 | 460.26 | | |
| Reach - 1 | 779 | 100-FW | 4750 | 534.9 | 1984.58 | 2.39 | 0.96 | 26.55 | 274.53 | | 40% |
| Reach - 1 | 1244 | 100-NAT | 4750 | 534.53 | 2960.81 | 1.6 | | 61.76 | 505.84 | | |
| Reach - 1 | 1244 | 100-FW | 4750 | 535.5 | 2527.68 | 1.88 | 0.97 | 50.63 | 332.19 | | 34% |
| Reach - 1 | 1509 | 100-NAT | 4750 | 534.76 | 3728.85 | 1.27 | | 82.1 | 640.88 | | |
| Reach - 1 | 1509 | 100-FW | 4750 | 535.74 | 3128.63 | 1.52 | 0.98 | 67.84 | 400.77 | | 38% |
| Reach - 1 | 1952 | 100-NAT | 4750 | 535.11 | 2746.95 | 1.73 | | 115.03 | 623.81 | | |
| Reach - 1 | 1952 | 100-FW | 4750 | 536.06 | 2289.26 | 2.07 | 0.95 | 95.39 | 386.86 | | 38% |
| Reach - 1 | 2305 | 100-NAT | 4750 | 535.6 | 1389.04 | 3.42 | | 131.79 | 283.04 | | |
| Reach - 1 | 2305 | 100-FW | 4750 | 536.44 | 1097.93 | 4.33 | 0.84 | 109.11 | 161.04 | | 43% |
| Reach - 1 | 2841 | 100-NAT | 4750 | 536.61 | 4742.86 | 1 | | 169.52 | 783.13 | | |
| Reach - 1 | 2841 | 100-FW | 4750 | 537.61 | 4522.1 | 1.05 | 0.99 | 143.69 | 611.05 | | 22% |
| Reach - 1 | 3186 | 100-NAT | 4750 | 536.76 | 3663.66 | 1.3 | | 202.81 | 900.94 | | |
| Reach - 1 | 3186 | 100-FW | 4750 | 537.7 | 2691.97 | 1.76 | 0.95 | 172.25 | 418.6 | | 54% |
| Reach - 1 | 3799 | 100-NAT | 4750 | 537.43 | 2613.56 | 1.82 | | 246.98 | 567.8 | | |
| Reach - 1 | 3799 | 100-FW | 4750 | 538.34 | 2067.48 | 2.3 | 0.92 | 205.74 | 313.86 | | 45% |
| Reach - 1 | 4025 | 100-NAT | 4750 | 537.72 | 2575.85 | 1.84 | | 260.44 | 442.28 | | |
| Reach - 1 | 4025 | 100-FW | 4750 | 538.64 | 2229.64 | 2.13 | 0.93 | 216.89 | 306.6 | | 31% |
| Reach - 1 | 4617 | 100-NAT | 4750 | 538.29 | 3340.96 | 1.42 | | 300.64 | 564.05 | | |
| Reach - 1 | 4617 | 100-FW | 4750 | 539.23 | 2792.76 | 1.7 | 0.94 | 251.02 | 374.99 | | 34% |
| Reach - 1 | 4807 | 100-NAT | 4750 | 538.39 | 2642.14 | 1.8 | | 313.69 | 624.31 | | |
| Reach - 1 | 4807 | 100-FW | 4750 | 539.3 | 2008.08 | 2.37 | 0.9 | 261.49 | 348.34 | | 44% |
| Reach - 1 | 5303 | 100-NAT | 4750 | 539.22 | 2695.07 | 1.76 | | 344.08 | 540.34 | | |
| Reach - 1 | 5303 | 100-FW | 4750 | 540.15 | 2210.65 | 2.15 | 0.93 | 285.51 | 345.12 | | 36% |
| Reach - 1 | 5787 | 100-NAT | 4750 | 539.94 | 1365.63 | 3.48 | | 366.64 | 355.62 | | |
| Reach - 1 | 5787 | 100-FW | 4750 | 540.71 | 1006.75 | 4.72 | 0.77 | 303.38 | 184.15 | | 48% |
| Reach - 1 | 5934 | 100-NAT | 4750 | 540.55 | 1524.55 | 3.12 | | 371.52 | 322.21 | | |
| Reach - 1 | 5934 | 100-FW | 4750 | 541.49 | 1194.22 | 3.98 | 0.94 | 307.1 | 175.58 | | 46% |
| Reach - 1 | 6573 | 100-NAT | 4750 | 542.03 | 1730.89 | 2.74 | | 395.39 | 319.73 | | |
| Reach - 1 | 6573 | 100-FW | 4750 | 543.01 | 1726.42 | 2.75 | 0.97 | 328.52 | 242.14 | | 24% |
| Reach - 1 | 6855 | 100-NAT | 4750 | 543.23 | 1707.8 | 2.78 | | 406.36 | 316.33 | | |
| Reach - 1 | 6855 | 100-FW | 4750 | 543.67 | 1220.88 | 3.89 | 0.44 | 339.97 | 163.08 | | 48% |
| Reach - 1 | 7408 | 100-NAT | 4750 | 544.1 | 3026.52 | 1.57 | | 436.41 | 494.45 | | |
| Reach - 1 | 7408 | 100-FW | 4750 | 544.79 | 2341.94 | 2.03 | 0.69 | 362.58 | 271.24 | | 45% |
| Reach - 1 | 7968 | 100-NAT | 4750 | 544.4 | 1493.55 | 3.18 | | 465.46 | 240 | | |
| Reach - 1 | 7968 | 100-FW | 4750 | 545.05 | 1155.79 | 4.11 | 0.65 | 385.06 | 140.07 | | 42% |
| Reach - 1 | 8002 | 100-NAT | 4750 | 544.6 | 1580.79 | 3 | | 466.66 | 245.76 | | |
| Reach - 1 | 8002 | 100-FW | 4750 | 545.3 | 1211.12 | 3.92 | 0.7 | 385.99 | 145.48 | | 41% |
| Reach - 1 | 8086.5 | 100-NAT | 4750 | 544.57 | 4749.58 | 5.47 | | 472.8 | 149.22 | | |
| Reach - 1 | 8086.5 | 100-FW | 4750 | 545.31 | 675.61 | 7.03 | 0.74 | 387.82 | 72.9 | | 52% |
| Reach - 1 | 8113.0 BR | 100-NAT | 4750 | 544.5 | 682.81 | 6.96 | | 473.43 | 99.44 | | |
| Reach - 1 | 8113.0 BR | 100-FW | 4750 | 545.31 | 644.19 | 7.37 | 0.81 | 387.97 | 69.8 | | 30% |
| Reach - 1 | 8113.0 BR | 100-NAT | 4750 | 544.96 | 832.47 | 5.71 | | 474 | 99.41 | | |
| Reach - 1 | 8113.0 BR | 100-FW | 4750 | 545.66 | 741.5 | 6.41 | 0.7 | 388.49 | 69.8 | | 30% |
| Reach - 1 | 8139.5 | 100-NAT | 4750 | 545.21 | 6736.09 | 4.33 | | 474.87 | 149.22 | | |
| Reach - 1 | 8139.5 | 100-FW | 4750 | 545.72 | 770.3 | 6.17 | 0.51 | 388.67 | 72.9 | | 51% |
| Reach - 1 | 8928 | 100-NAT | 4750 | 547.1 | 7871.25 | 0.6 | | 591.75 | 1146.54 | | |

| | | | | | | | | | |
|-----------|---------------|------|--------|---------|------|------|---------|--------|-----|
| Reach - 1 | 8928 100-FW | 4750 | 547.72 | 5760.91 | 0.82 | 0.63 | 414.81 | 717.67 | 37% |
| Reach - 1 | 9363 100-NAT | 4750 | 547.15 | 4053.41 | 1.17 | | 651.29 | 828.15 | |
| Reach - 1 | 9363 100-FW | 4750 | 547.78 | 2817.9 | 1.69 | 0.64 | 457.65 | 354.7 | 45% |
| Reach - 1 | 10101 100-NAT | 4750 | 547.35 | 1869.3 | 2.54 | | 701.46 | 449.96 | |
| Reach - 1 | 10101 100-FW | 4750 | 547.96 | 1370.88 | 3.46 | 0.61 | 493.13 | 231.56 | 48% |
| Reach - 1 | 10159 100-NAT | 4750 | 547.46 | 2012.74 | 2.36 | | 704.04 | 480.7 | |
| Reach - 1 | 10159 100-FW | 4750 | 548.11 | 1441.83 | 3.29 | 0.65 | 495 | 236.87 | 51% |
| Reach - 1 | 10543 100-NAT | 4750 | 547.84 | 1279.42 | 3.71 | | 718.55 | 249.84 | |
| Reach - 1 | 10543 100-FW | 4750 | 548.5 | 891.33 | 5.33 | 0.66 | 505.29 | 97.38 | 61% |
| Reach - 1 | 10653 100-NAT | 4750 | 548.02 | 1224.09 | 3.88 | | 721.71 | 235.92 | |
| Reach - 1 | 10653 100-FW | 4750 | 548.7 | 890.75 | 5.33 | 0.68 | 507.54 | 106.99 | 55% |
| Reach - 1 | 11164 100-NAT | 4750 | 548.95 | 940.63 | 5.05 | | 734.41 | 157.48 | |
| Reach - 1 | 11164 100-FW | 4750 | 549.7 | 698.35 | 6.8 | 0.75 | 516.86 | 64.65 | 59% |
| Reach - 1 | 11245 100-NAT | 4750 | 549.36 | 1099.69 | 4.32 | | 736.31 | 187.05 | |
| Reach - 1 | 11245 100-FW | 4750 | 550.25 | 858.19 | 5.53 | 0.89 | 518.3 | 87.84 | 53% |
| Reach - 1 | 11903 100-NAT | 4750 | 550.67 | 2527.47 | 1.88 | | 763.7 | 527.29 | |
| Reach - 1 | 11903 100-FW | 4750 | 551.67 | 2363.99 | 2.01 | 0.99 | 542.64 | 363.32 | 31% |
| Reach - 1 | 12655 100-NAT | 4750 | 551.29 | 2621.79 | 1.81 | | 808.15 | 477.39 | |
| Reach - 1 | 12655 100-FW | 4750 | 552.17 | 2165.35 | 2.19 | 0.88 | 581.74 | 293.64 | 39% |
| Reach - 1 | 13035 100-NAT | 4750 | 551.6 | 2147.28 | 2.21 | | 828.95 | 466.5 | |
| Reach - 1 | 13035 100-FW | 4750 | 552.46 | 1550.73 | 3.06 | 0.86 | 597.95 | 209.5 | 55% |
| Reach - 1 | 13421 100-NAT | 4750 | 552.08 | 1940.9 | 2.45 | | 847.07 | 361.4 | |
| Reach - 1 | 13421 100-FW | 4750 | 552.93 | 1502.39 | 3.16 | 0.85 | 611.47 | 188.83 | 48% |
| Reach - 1 | 13707 100-NAT | 4750 | 552.65 | 2899.26 | 1.64 | | 862.96 | 532.09 | |
| Reach - 1 | 13707 100-FW | 4750 | 553.57 | 2267.69 | 2.09 | 0.92 | 623.85 | 289.26 | 46% |
| Reach - 1 | 14428 100-NAT | 4750 | 553.34 | 1747.2 | 2.72 | | 901.41 | 398.81 | |
| Reach - 1 | 14428 100-FW | 4750 | 554.2 | 1321.17 | 3.6 | 0.86 | 653.55 | 198.03 | 50% |
| Reach - 1 | 14965 100-NAT | 4750 | 554.56 | 1946.21 | 2.44 | | 924.18 | 383.88 | |
| Reach - 1 | 14965 100-FW | 4750 | 555.47 | 1565.41 | 3.03 | 0.91 | 671.34 | 215.62 | 44% |
| Reach - 1 | 15487 100-NAT | 4750 | 555.56 | 1525.64 | 3.11 | | 944.98 | 324.87 | |
| Reach - 1 | 15487 100-FW | 4750 | 556.43 | 1150.69 | 4.13 | 0.87 | 687.62 | 157.97 | 51% |
| Reach - 1 | 16051 100-NAT | 4750 | 556.9 | 1207.5 | 3.93 | | 962.67 | 270.94 | |
| Reach - 1 | 16051 100-FW | 4750 | 557.77 | 888.51 | 5.35 | 0.87 | 700.82 | 95.62 | 65% |
| Reach - 1 | 16303 100-NAT | 4750 | 557.84 | 2154.23 | 2.2 | | 972.4 | 568.61 | |
| Reach - 1 | 16303 100-FW | 4750 | 558.81 | 1540.49 | 3.08 | 0.96 | 707.85 | 216.73 | 62% |
| Reach - 1 | 16801 100-NAT | 4750 | 558.79 | 2099.91 | 2.26 | | 996.71 | 326.54 | |
| Reach - 1 | 16801 100-FW | 4750 | 559.76 | 1802.31 | 2.64 | 0.98 | 726.95 | 215.18 | 34% |
| Reach - 1 | 17069 100-NAT | 4750 | 559.22 | 2336.55 | 2.03 | | 1010.36 | 430.4 | |
| Reach - 1 | 17069 100-FW | 4750 | 560.2 | 2043.83 | 2.32 | 0.98 | 738.79 | 283.75 | 34% |
| Reach - 1 | 17350 100-NAT | 4750 | 559.59 | 2235.37 | 2.12 | | 1025.11 | 454.7 | |
| Reach - 1 | 17350 100-FW | 4750 | 560.56 | 1802.74 | 2.63 | 0.96 | 751.19 | 292.73 | 35% |
| Reach - 1 | 17937 100-NAT | 4750 | 560.24 | 4344.38 | 1.09 | | 1069.44 | 814.23 | |
| Reach - 1 | 17937 100-FW | 4750 | 561.22 | 3625.43 | 1.31 | 0.99 | 787.77 | 483.63 | 41% |
| Reach - 1 | 18297 100-NAT | 4750 | 560.42 | 4927.81 | 0.96 | | 1107.76 | 884.42 | |
| Reach - 1 | 18297 100-FW | 4750 | 561.4 | 4035.45 | 1.18 | 0.99 | 819.42 | 530.03 | 40% |
| Reach - 1 | 18560 100-NAT | 4750 | 560.52 | 3762.34 | 1.26 | | 1133.99 | 770 | |
| Reach - 1 | 18560 100-FW | 4750 | 561.5 | 3097.76 | 1.53 | 0.98 | 840.96 | 443.46 | 42% |
| Reach - 1 | 19301 100-NAT | 4750 | 561.12 | 2901.86 | 1.64 | | 1190.67 | 695.55 | |
| Reach - 1 | 19301 100-FW | 4750 | 562.05 | 2228.39 | 2.13 | 0.94 | 886.26 | 372.94 | 46% |
| Reach - 1 | 19829 100-NAT | 4750 | 561.68 | 1204.3 | 3.94 | | 1215.56 | 370.23 | |
| Reach - 1 | 19829 100-FW | 4750 | 562.48 | 919.05 | 5.17 | 0.8 | 905.33 | 153.04 | 59% |

| | | | | | | | | | |
|-----------|---------------|------|----------------------|---------|------|-------------------------|---------|------------------------------|-------|
| Reach - 1 | 20153 100-NAT | 4750 | 563.46 | 1530.92 | 3.1 | | 1225.73 | 308.75 | |
| Reach - 1 | 20153 100-FW | 4750 | 564.36 | 1501.67 | 3.16 | 0.9 | 914.34 | 244.12 | 21% |
| Reach - 1 | 20624 100-NAT | 4750 | 565.21 | 2470.98 | 1.92 | | 10.87 | 423.12 | |
| Reach - 1 | 20624 100-FW | 4750 | 565.71 | 2502.16 | 1.9 | 0.5 | 11.59 | 366.86 | 13% |
| Reach - 1 | 20962 100-NAT | 4750 | 565.64 | 2420.2 | 1.96 | | 29.84 | 554.04 | |
| Reach - 1 | 20962 100-FW | 4750 | 566.04 | 1675.27 | 2.84 | 0.4 | 27.79 | 265.79 | 52% |
| Reach - 1 | 21476 100-NAT | 4750 | 566.35 | 2430.96 | 1.95 | | 58.46 | 495.67 | |
| Reach - 1 | 21476 100-FW | 4750 | 566.9 | 1863.96 | 2.55 | 0.56 | 48.68 | 306.72 | 38% |
| Reach - 1 | 21798 100-NAT | 4750 | 566.76 | 2509.03 | 1.89 | | 76.72 | 442.15 | |
| Reach - 1 | 21798 100-FW | 4750 | 567.4 | 1949.36 | 2.44 | 0.64 | 62.77 | 256.13 | 42% |
| Reach - 1 | 22544 100-NAT | 4750 | 567.62 | 2846.43 | 1.67 | | 122.58 | 661.75 | |
| Reach - 1 | 22544 100-FW | 4750 | 568.33 | 2183.6 | 2.18 | 0.72 | 98.16 | 379.52 | 43% |
| Reach - 1 | 22919 100-NAT | 4750 | 568.07 | 1619.41 | 2.93 | | 141.8 | 308.41 | |
| Reach - 1 | 22919 100-FW | 4750 | 568.78 | 1229.54 | 3.86 | 0.71 | 112.85 | 167.19 | 46% |
| Reach - 1 | 23556 100-NAT | 4750 | 569.65 | 2410.89 | 1.97 | | 171.27 | 708.28 | |
| Reach - 1 | 23556 100-FW | 4750 | 570.49 | 1787.76 | 2.66 | 0.84 | 134.91 | 357.73 | 50% |
| Reach - 1 | 24014 100-NAT | 4750 | 570.53 | 1658.01 | 2.86 | | 192.66 | 412.18 | |
| Reach - 1 | 24014 100-FW | 4750 | 571.35 | 1213.99 | 3.91 | 0.82 | 150.69 | 205.54 | 50% |
| Reach - 1 | 24294 100-NAT | 4750 | 571.22 | 1951.98 | 6.62 | | 204.26 | 62.44 | |
| Reach - 1 | 24294 100-FW | 4750 | 572.08 | 723.9 | 6.56 | 0.86 | 156.92 | 53.1 | 15% |
| | | | | | | | | | 2562% |
| | | | Velocity Increase | | | Storage 26% Decrease | | Average 24% Topwidth Dec. | 43% |

CYPRESS K100

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth Act (ft) | Act Topwdth Dec. |
|-----------------|-----------|-----------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|----------------------|------------------|
| K100-00-00_0040 | 3988 | 1PCT_100yr | 27258 | 69.61 | 12710.53 | 2.14 | | | 1416.35 | |
| K100-00-00_0040 | 3988 | 1PCTFloodway_10 | 27258 | 70.61 | 10378.9 | 2.63 | 1 | | 680.51 | 52% |
| K100-00-00_0040 | 5279 | 1PCT_100yr | 27258 | 70.14 | 16594.41 | 1.65 | | 395.78 | 1806.04 | |
| K100-00-00_0040 | 5279 | 1PCTFloodway_10 | 27258 | 71.13 | 14060.29 | 1.94 | 0.99 | 337.64 | 1022.91 | 43% |
| K100-00-00_0040 | 7033 | 1PCT_100yr | 27258 | 70.66 | 13463.83 | 2.02 | | 896.01 | 1889.24 | |
| K100-00-00_0040 | 7033 | 1PCTFloodway_10 | 27258 | 71.65 | 11724.33 | 2.32 | 0.99 | 767.47 | 1070.35 | 43% |
| K100-00-00_0040 | 8114 | 1PCT_100yr | 27258 | 71.1 | 10877.44 | 2.51 | | 1190.72 | 2401.78 | |
| K100-00-00_0040 | 8114 | 1PCTFloodway_10 | 27258 | 72.07 | 8972.95 | 3.04 | 0.97 | 1018.64 | 864.98 | 64% |
| K100-00-00_0040 | 9768 | 1PCT_100yr | 27258 | 71.86 | 22918.62 | 1.61 | | 1657.7 | 1600 | |
| K100-00-00_0040 | 9768 | 1PCTFloodway_10 | 27258 | 72.83 | 15723.95 | 1.73 | 0.97 | 1370.19 | 1290.46 | 19% |
| K100-00-00_0040 | 10280 | 1PCT_100yr | 27258 | 71.97 | 23054.54 | 1.64 | | 1907.6 | 1393.23 | |
| K100-00-00_0040 | 10280 | 1PCTFloodway_10 | 27258 | 72.92 | 12223.28 | 2.23 | 0.95 | 1521.65 | 840 | 40% |
| K100-00-00_0040 | 10889 | 1PCT_100yr | 27258 | 72.45 | 27961.87 | 2.34 | | 2160.82 | 1021.27 | |
| K100-00-00_0040 | 10889 | 1PCTFloodway_10 | 27258 | 73.37 | 10561.87 | 2.58 | 0.91 | 1636.17 | 816.41 | 20% |
| K100-00-00_0040 | 11417 | 1PCT_100yr | 27258 | 72.76 | 29926.29 | 1.38 | | 2492.17 | 1900 | |
| K100-00-00_0040 | 11417 | 1PCTFloodway_10 | 27258 | 73.67 | 18154.56 | 1.5 | 0.92 | 1805.9 | 1522.54 | 20% |
| K100-00-00_0040 | 12763 | 1PCT_100yr | 27258 | 73.09 | 15795.83 | 1.73 | | 3117.45 | 2087.9 | |
| K100-00-00_0040 | 12763 | 1PCTFloodway_10 | 27258 | 73.98 | 14840.62 | 1.84 | 0.9 | 2253.78 | 1360.51 | 35% |
| K100-00-00_0040 | 14603 | 1PCT_100yr | 27258 | 73.89 | 15205.22 | 1.79 | | 3669.73 | 2629.48 | |
| K100-00-00_0040 | 14603 | 1PCTFloodway_10 | 27258 | 74.67 | 10562.58 | 2.58 | 0.78 | 2712.62 | 1168.03 | 55% |
| K100-00-00_0040 | 16487 | 1PCT_100yr | 27258 | 74.97 | 17882.25 | 1.52 | | 4423.88 | 3138.42 | |
| K100-00-00_0040 | 16487 | 1PCTFloodway_10 | 27258 | 75.86 | 12930.08 | 2.11 | 0.89 | 3249.31 | 1226.57 | 61% |
| K100-00-00_0040 | 17183 | 1PCT_100yr | 24412 | 75.18 | 15321.37 | 1.78 | | 4667.33 | 2477.22 | |
| K100-00-00_0040 | 17183 | 1PCTFloodway_10 | 24412 | 76.07 | 9937.01 | 2.46 | 0.88 | 3411.93 | 1087.04 | 56% |
| K100-00-00_0040 | 18611 | 1PCT_100yr | 24412 | 75.86 | 13252.46 | 1.84 | | 5136.58 | 3225.53 | |
| K100-00-00_0040 | 18611 | 1PCTFloodway_10 | 24412 | 76.74 | 9007.96 | 2.71 | 0.88 | 3700.55 | 1106.37 | 66% |
| K100-00-00_0040 | 19313 | 1PCT_100yr | 24412 | 76.27 | 17131.76 | 1.42 | | 5336.11 | 3094.04 | |
| K100-00-00_0040 | 19313 | 1PCTFloodway_10 | 24412 | 77.17 | 12389.15 | 1.97 | 0.9 | 3850.64 | 1251.7 | 60% |
| K100-00-00_0040 | 20680 | 1PCT_100yr | 24023 | 76.7 | 21925.42 | 1.1 | | 5841.61 | 4055.75 | |
| K100-00-00_0040 | 20680 | 1PCTFloodway_10 | 24023 | 77.63 | 16689.34 | 1.44 | 0.94 | 4239.2 | 1748.98 | 57% |
| K100-00-00_0040 | 22568 | 1PCT_100yr | 24023 | 77.33 | 14165.17 | 1.7 | | 6466.34 | 3250.87 | |
| K100-00-00_0040 | 22568 | 1PCTFloodway_10 | 24023 | 78.23 | 11498.94 | 2.09 | 0.9 | 4730.19 | 2093.69 | 36% |
| K100-00-00_0040 | 23289 | 1PCT_100yr | 24023 | 77.64 | 12345.5 | 1.95 | | 6605.35 | 2890.37 | |
| K100-00-00_0040 | 23289 | 1PCTFloodway_10 | 24023 | 78.6 | 11385.36 | 2.11 | 0.96 | 4844.92 | 1969 | 32% |
| K100-00-00_0040 | 23894 | 1PCT_100yr | 24023 | 78.15 | 10626.05 | 2.26 | | 6772.93 | 1971.46 | |
| K100-00-00_0040 | 23894 | 1PCTFloodway_10 | 24023 | 78.98 | 7423.48 | 3.24 | 0.83 | 4985.38 | 1268.2 | 36% |
| K100-00-00_0040 | 24423 | 1PCT_100yr | 24023 | 78.51 | 13326.21 | 1.8 | | 6917.37 | 2048.99 | |
| K100-00-00_0040 | 24423 | 1PCTFloodway_10 | 24023 | 79.48 | 12728.52 | 1.89 | 0.97 | 5103.46 | 1496.58 | 27% |
| K100-00-00_0040 | 25956 | 1PCT_100yr | 24023 | 78.99 | 14266.52 | 1.68 | | 7178.27 | 2192.42 | |
| K100-00-00_0040 | 25956 | 1PCTFloodway_10 | 24023 | 79.92 | 11405.26 | 2.11 | 0.94 | 5339.28 | 1403.79 | 36% |
| K100-00-00_0040 | 26152 | 1PCT_100yr | 24023 | 79.03 | 10948.82 | 2.19 | | 7232.52 | 1856.63 | |
| K100-00-00_0040 | 26152 | 1PCTFloodway_10 | 24023 | 79.98 | 9121.67 | 2.63 | 0.95 | 5383.35 | 1171.2 | 37% |
| K100-00-00_0040 | 26635 | 1PCT_100yr | 24023 | 79.4 | 10511.73 | 2.29 | | 7357.55 | 1872.04 | |
| K100-00-00_0040 | 26635 | 1PCTFloodway_10 | 24023 | 80.36 | 8725.45 | 2.75 | 0.95 | 5487 | 995.63 | 47% |
| K100-00-00_0040 | 28109 | 1PCT_100yr | 24023 | 80.41 | 11629.09 | 2.07 | | 7717.93 | 2223.71 | |
| K100-00-00_0040 | 28109 | 1PCTFloodway_10 | 24023 | 81.29 | 8064.95 | 2.98 | 0.89 | 5771.79 | 907.29 | 59% |
| K100-00-00_0040 | 29226 | 1PCT_100yr | 24023 | 81.03 | 13955.07 | 1.72 | | 8047.51 | 2033.02 | |
| K100-00-00_0040 | 29226 | 1PCTFloodway_10 | 24023 | 81.92 | 10464.07 | 2.29 | 0.99 | 6010.52 | 942 | 59% |
| K100-00-00_0040 | 30887 | 1PCT_100yr | 24023 | 81.72 | 11028.46 | 2.18 | | 8466.31 | 2340.18 | |

| | | | | | | | | | | |
|-----------------|-------|-----------------|-------|----------------------|----------|-------------------------|------|------------------------------|---------|-------|
| K100-00-00_0040 | 30887 | 1PCTFloodway_10 | 24023 | 82.56 | 7914.26 | 3.04 | 0.84 | 6323.89 | 803.34 | 66% |
| K100-00-00_0040 | 31954 | 1PCT_100yr | 24023 | 82.62 | 10785.3 | 2.23 | | 8691.53 | 2794.23 | |
| K100-00-00_0040 | 31954 | 1PCTFloodway_10 | 24023 | 83.41 | 5896.41 | 4.07 | 0.8 | 6475.6 | 547 | 80% |
| K100-00-00_0040 | 32385 | 1PCT_100yr | 24023 | 83.35 | 13453.31 | 2.31 | | 8787.73 | 1298.02 | |
| K100-00-00_0040 | 32385 | 1PCTFloodway_10 | 24023 | 84 | 7925.74 | 3.03 | 0.65 | 6537.82 | 681 | 47% |
| K100-00-00_0040 | 33472 | 1PCT_100yr | 24023 | 83.98 | 17224.84 | 1.46 | | 9073.1 | 2352.41 | |
| K100-00-00_0040 | 33472 | 1PCTFloodway_10 | 24023 | 84.67 | 9322.13 | 2.58 | 0.69 | 6715.25 | 1069.64 | 55% |
| K100-00-00_0040 | 34622 | 1PCT_100yr | 23846 | 84.48 | 14845.73 | 1.61 | | 9512.68 | 2240.88 | |
| K100-00-00_0040 | 34622 | 1PCTFloodway_10 | 23846 | 85.44 | 11034.14 | 2.16 | 0.96 | 6997.8 | 1096.56 | 51% |
| K100-00-00_0040 | 35492 | 1PCT_100yr | 23846 | 84.8 | 10891.09 | 2.19 | | 9750.32 | 1692.44 | |
| K100-00-00_0040 | 35492 | 1PCTFloodway_10 | 23846 | 85.77 | 8182.71 | 2.91 | 0.96 | 7175.79 | 786.5 | 53% |
| K100-00-00_0040 | 36814 | 1PCT_100yr | 23846 | 85.54 | 13292.66 | 1.99 | | 10106.97 | 1908.71 | |
| K100-00-00_0040 | 36814 | 1PCTFloodway_10 | 23846 | 86.5 | 8962.72 | 2.66 | 0.96 | 7433.21 | 816.55 | 57% |
| K100-00-00_0040 | 38150 | 1PCT_100yr | 23846 | 86.19 | 15600.19 | 1.98 | | 10515.37 | 2030.89 | |
| K100-00-00_0040 | 38150 | 1PCTFloodway_10 | 23846 | 87.16 | 9068.57 | 2.63 | 0.97 | 7681.04 | 701.62 | 65% |
| K100-00-00_0040 | 39789 | 1PCT_100yr | 23846 | 87.06 | 11748.2 | 2.07 | | 11081.74 | 1570.29 | |
| K100-00-00_0040 | 39789 | 1PCTFloodway_10 | 23846 | 87.99 | 9267.35 | 2.57 | 0.93 | 8057.38 | 1024.2 | 35% |
| K100-00-00_0040 | 40546 | 1PCT_100yr | 23846 | 87.33 | 10804.05 | 2.35 | | 11281.02 | 1126.88 | |
| K100-00-00_0040 | 40546 | 1PCTFloodway_10 | 23846 | 88.26 | 8927.03 | 2.67 | 0.93 | 8219.24 | 722.53 | 36% |
| K100-00-00_0040 | 41055 | 1PCT_100yr | 23846 | 87.63 | 11412.69 | 2.83 | | 11368.56 | 956.6 | |
| K100-00-00_0040 | 41055 | 1PCTFloodway_10 | 23846 | 88.57 | 10195.27 | 2.78 | 0.94 | 8296.38 | 685.98 | 28% |
| | | | | | | | | | | 1633% |
| | | | | Velocity Increase | | Storage 22% Decrease | | Average 27% Topwidth Dec. | | 48% |

CYPRESS CREEK K172

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth Act (ft) | Act Topwdth Dec. |
|-----------------|-----------|-----------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|----------------------|------------------|
| K172-00-00_0045 | 4473.1 | 1PCT_100yr | 2585 | 165.92 | 1016.22 | 2.54 | | | 1257 | |
| K172-00-00_0045 | 4473.1 | 1PCTFloodway_10 | 2585 | 166.92 | 1148.24 | 2.25 | 1 | | 917.31 | 27% |
| K172-00-00_0045 | 5175.2 | 1PCT_100yr | 2460 | 168.24 | 2655.62 | 0.96 | | 28.72 | 1597.88 | |
| K172-00-00_0045 | 5175.2 | 1PCTFloodway_10 | 2460 | 168.64 | 2586.58 | 0.95 | 0.4 | 29.19 | 1322.15 | 17% |
| K172-00-00_0045 | 5443.3 | 1PCT_100yr | 2440 | 168.98 | 2786.83 | 0.89 | | 42.86 | 2055.84 | |
| K172-00-00_0045 | 5443.3 | 1PCTFloodway_10 | 2440 | 169.26 | 2256.39 | 1.08 | 0.28 | 42.03 | 1350 | 34% |
| K172-00-00_0045 | 6901.1 | 1PCT_100yr | 2440 | 170.09 | 3667.56 | 0.68 | | 146.81 | 2885.6 | |
| K172-00-00_0045 | 6901.1 | 1PCTFloodway_10 | 2440 | 170.39 | 3151.82 | 0.77 | 0.29 | 129.2 | 1604.26 | 44% |
| K172-00-00_0045 | 8204.1 | 1PCT_100yr | 2400 | 170.49 | 7533.18 | 0.35 | | 311.4 | 5315.85 | |
| K172-00-00_0045 | 8204.1 | 1PCTFloodway_10 | 2400 | 171.07 | 3156.27 | 0.76 | 0.59 | 223.31 | 1500 | 72% |
| K172-00-00_0045 | 9198 | 1PCT_100yr | 2330 | 170.64 | 9017.19 | 0.3 | | 494.16 | 5273.75 | |
| K172-00-00_0045 | 9198 | 1PCTFloodway_10 | 2330 | 171.45 | 4041.9 | 0.58 | 0.82 | 303.36 | 1700 | 68% |
| K172-00-00_0045 | 10469.3 | 1PCT_100yr | 2270 | 170.94 | 3842.32 | 0.65 | | 665.88 | 3159.01 | |
| K172-00-00_0045 | 10469.3 | 1PCTFloodway_10 | 2270 | 171.86 | 3483.62 | 0.65 | 0.92 | 404.29 | 1700 | 46% |
| K172-00-00_0045 | 11308.6 | 1PCT_100yr | 2200 | 171.55 | 4329.69 | 0.52 | | 744.82 | 3820.67 | |
| K172-00-00_0045 | 11308.6 | 1PCTFloodway_10 | 2200 | 172.23 | 3434.17 | 0.64 | 0.69 | 471.74 | 1700 | 55% |
| K172-00-00_0045 | 12446.2 | 1PCT_100yr | 2200 | 172.42 | 3450.46 | 0.7 | | 845.53 | 3031.74 | |
| K172-00-00_0045 | 12446.2 | 1PCTFloodway_10 | 2200 | 173.1 | 1827.61 | 1.2 | 0.67 | 540.64 | 1140.93 | 62% |
| K172-00-00_0045 | 13669.8 | 1PCT_100yr | 2100 | 173 | 5619.58 | 0.4 | | 968.49 | 3641.93 | |
| K172-00-00_0045 | 13669.8 | 1PCTFloodway_10 | 2100 | 173.96 | 3237.14 | 0.65 | 0.95 | 610.82 | 1399.59 | 62% |
| K172-00-00_0045 | 14068 | 1PCT_100yr | 2100 | 173.23 | 2016.22 | 1.04 | | 1007.06 | 2191.51 | |
| K172-00-00_0045 | 14068 | 1PCTFloodway_10 | 2100 | 174.15 | 2162.32 | 0.97 | 0.92 | 638.27 | 1150 | 48% |
| K172-00-00_0045 | 15324.6 | 1PCT_100yr | 1990 | 174.6 | 3760.28 | 0.53 | | 1089.16 | 3034.57 | |
| K172-00-00_0045 | 15324.6 | 1PCTFloodway_10 | 1990 | 175.32 | 1845.72 | 1.08 | 0.73 | 695.35 | 610 | 80% |
| K172-00-00_0045 | 16322.8 | 1PCT_100yr | 1870 | 175.31 | 2745.37 | 0.71 | | 1162.76 | 2170.94 | |
| K172-00-00_0045 | 16322.8 | 1PCTFloodway_10 | 1870 | 176.23 | 1676.06 | 1.12 | 0.92 | 734.74 | 600 | 72% |
| K172-00-00_0045 | 17523.3 | 1PCT_100yr | 1800 | 176.58 | 2724.91 | 0.87 | | 1225.29 | 1907.62 | |
| K172-00-00_0045 | 17523.3 | 1PCTFloodway_10 | 1800 | 177.32 | 1647.37 | 1.09 | 0.74 | 772.46 | 700 | 63% |
| K172-00-00_0045 | 18577.9 | 1PCT_100yr | 1570 | 177.27 | 5782.97 | 0.45 | | 1327.85 | 2315.26 | |
| K172-00-00_0045 | 18577.9 | 1PCTFloodway_10 | 1570 | 177.94 | 2631.04 | 0.6 | 0.67 | 823.66 | 1100 | 52% |
| K172-00-00_0045 | 19605.1 | 1PCT_100yr | 1410 | 177.64 | 4575.61 | 0.47 | | 1459.71 | 2144.59 | |
| K172-00-00_0045 | 19605.1 | 1PCTFloodway_10 | 1410 | 178.54 | 1533.9 | 0.92 | 0.9 | 875.05 | 1050 | 51% |
| K172-00-00_0045 | 20751.8 | 1PCT_100yr | 1240 | 180.4 | 478.41 | 2.59 | | 1528.02 | 1018.53 | |
| K172-00-00_0045 | 20751.8 | 1PCTFloodway_10 | 1240 | 181.29 | 583.1 | 2.13 | 0.89 | 903.16 | 330 | 68% |
| K172-00-00_0045 | 22167.9 | 1PCT_100yr | 1100 | 185.01 | 1070.25 | 1.03 | | 1548.98 | 1005.68 | |
| K172-00-00_0045 | 22167.9 | 1PCTFloodway_10 | 1100 | 185.6 | 538.81 | 2.04 | 0.59 | 918.45 | 250 | 75% |
| K172-00-00_0045 | 23090.2 | 1PCT_100yr | 980 | 187.84 | 341.02 | 2.87 | | 1564.1 | 466.65 | |
| K172-00-00_0045 | 23090.2 | 1PCTFloodway_10 | 980 | 188.82 | 272.48 | 3.6 | 0.98 | 927.09 | 130 | 65% |
| K172-00-00_0045 | 24228.8 | 1PCT_100yr | 910 | 192.26 | 683.56 | 1.33 | | 1575.74 | 508.73 | |
| K172-00-00_0045 | 24228.8 | 1PCTFloodway_10 | 910 | 192.82 | 398.72 | 2.28 | 0.56 | 934.87 | 130 | 74% |
| K172-00-00_0045 | 25764.9 | 1PCT_100yr | 830 | 197.51 | 373.03 | 2.23 | | 1592.82 | 635.3 | |
| K172-00-00_0045 | 25764.9 | 1PCTFloodway_10 | 830 | 198.08 | 189.72 | 4.37 | 0.57 | 944.55 | 100 | 84% |
| K172-00-00_0045 | 26037.1 | 1PCT_100yr | 830 | 198.85 | 336.24 | 2.47 | | 1596.13 | 454.72 | |
| K172-00-00_0045 | 26037.1 | 1PCTFloodway_10 | 830 | 199.76 | 254.36 | 3.26 | 0.91 | 946.17 | 80 | 82% |
| K172-00-00_0045 | 27063.8 | 1PCT_100yr | 720 | 203.05 | 440.23 | 1.64 | | 1604.62 | 377.91 | |
| K172-00-00_0045 | 27063.8 | 1PCTFloodway_10 | 720 | 203.23 | 210.24 | 3.42 | 0.18 | 951.32 | 80 | 79% |
| K172-00-00_0045 | 27893.4 | 1PCT_100yr | 720 | 206.07 | 315.78 | 2.28 | | 1611.54 | 298.11 | |
| K172-00-00_0045 | 27893.4 | 1PCTFloodway_10 | 720 | 206.97 | 201.61 | 3.57 | 0.9 | 955.12 | 70 | 77% |
| K172-00-00_0045 | 28134.6 | 1PCT_100yr | 720 | 207.66 | 691.69 | 1.04 | | 1614.19 | 380.05 | |

| | | | | | | | | | | |
|-----------------|---------|-----------------|-----|----------------------|--------|-------------------------|-----|------------------------------|----|-------|
| K172-00-00_0045 | 28134.6 | 1PCTFloodway_10 | 720 | 207.86 | 266.26 | 2.7 | 0.2 | 957.29 | 70 | 82% |
| | | | | | | | | | | 1539% |
| | | | | Velocity Increase | | Storage 45% Decrease | | Average 41% Topwidth Dec. | | 64% |

PLUM CREEK

| Reach | River Sta | Profile | Q Total (cfs) | W.S. Elev (ft) | Area (sq ft) | Vel Total (ft/s) | Prof Delta (ft) | Volume (acre-ft) | Top Wdth Act (ft) | Act Topwdth Dec. |
|---------|-----------|----------------|------------------|-------------------|-----------------|---------------------|--------------------|---------------------|----------------------|------------------|
| Reach 1 | 0 | 100-YR | 38720 | 5665.3 | 2775.48 | 13.95 | | | 414.21 | |
| Reach 1 | 0 | 100-YR-FW-1.0' | 38720 | 5665.9 | 2603.21 | 14.87 | 0.6 | | 340 | 18% |
| Reach 1 | 663 | 100-YR | 38720 | 5672.34 | 4602.6 | 8.41 | | 55.71 | 921.78 | |
| Reach 1 | 663 | 100-YR-FW-1.0' | 38720 | 5672.66 | 3457.2 | 11.2 | 0.32 | 46.63 | 358.69 | 61% |
| Reach 1 | 1389 | 100-YR | 38720 | 5677.27 | 5568.81 | 6.99 | | 129.97 | 710.04 | |
| Reach 1 | 1389 | 100-YR-FW-1.0' | 38720 | 5678 | 4775.47 | 8.11 | 0.72 | 107.7 | 451.98 | 36% |
| Reach 1 | 2414 | 100-YR | 38720 | 5682.93 | 5578.97 | 8.51 | | 278.9 | 500.73 | |
| Reach 1 | 2414 | 100-YR-FW-1.0' | 38720 | 5683.55 | 4177.04 | 9.27 | 0.62 | 230.11 | 386.19 | 23% |
| Reach 1 | 3231 | 100-YR | 38720 | 5687.04 | 5534.76 | 7.7 | | 383.42 | 613.35 | |
| Reach 1 | 3231 | 100-YR-FW-1.0' | 38720 | 5687.63 | 4682.37 | 8.27 | 0.58 | 312.24 | 473.27 | 23% |
| Reach 1 | 3516 | 100-YR | 38720 | 5690.21 | 4159.98 | 9.31 | | 415.44 | 707.12 | |
| Reach 1 | 3516 | 100-YR-FW-1.0' | 38720 | 5690.64 | 3575.62 | 10.83 | 0.43 | 339.36 | 495.64 | 30% |
| Reach 1 | 3850 | 100-YR | 38720 | 5693.09 | 6977.38 | 5.55 | | 454.43 | 831.12 | |
| Reach 1 | 3850 | 100-YR-FW-1.0' | 38720 | 5694.06 | 6753 | 5.73 | 0.97 | 375.52 | 638.2 | 23% |
| Reach 1 | 4359 | 100-YR | 38720 | 5693.77 | 4640.45 | 8.52 | | 509.53 | 540.35 | |
| Reach 1 | 4359 | 100-YR-FW-1.0' | 38720 | 5694.54 | 4387.18 | 8.83 | 0.77 | 428.71 | 459.5 | 15% |
| Reach 1 | 4849 | 100-YR | 38720 | 5697.28 | 6910.29 | 5.6 | | 620.44 | 1004.35 | |
| Reach 1 | 4849 | 100-YR-FW-1.0' | 38720 | 5697.9 | 6057.28 | 6.39 | 0.63 | 528.53 | 684.03 | 32% |
| Reach 1 | 5221 | 100-YR | 38720 | 5697.91 | 4566.82 | 8.48 | | 671.16 | 789.33 | |
| Reach 1 | 5221 | 100-YR-FW-1.0' | 38720 | 5698.37 | 3862.21 | 10.03 | 0.46 | 570.79 | 498.06 | 37% |
| Reach 1 | 5772 | 100-YR | 38720 | 5701.69 | 3518.64 | 11 | | 708.87 | 563.66 | |
| Reach 1 | 5772 | 100-YR-FW-1.0' | 38720 | 5701.7 | 3521.8 | 10.99 | 0.01 | 605.64 | 561 | 0% |
| Reach 1 | 6218 | 100-YR | 38720 | 5706.91 | 5207.73 | 7.61 | | 770.32 | 730.3 | |
| Reach 1 | 6218 | 100-YR-FW-1.0' | 38720 | 5706.9 | 5078.9 | 7.62 | -0.01 | 666.53 | 730.15 | 0% |
| Reach 1 | 7027 | 100-YR | 38720 | 5710.65 | 3671.76 | 11.07 | | 836.28 | 757.09 | |
| Reach 1 | 7027 | 100-YR-FW-1.0' | 38720 | 5710.66 | 3502.11 | 11.06 | 0.01 | 730.31 | 757.52 | 0% |
| Reach 1 | 7369 | 100-YR | 38720 | 5716.36 | 9739.33 | 3.98 | | 899.49 | 1579.41 | |
| Reach 1 | 7369 | 100-YR-FW-1.0' | 38720 | 5716.45 | 7865.02 | 4.92 | 0.09 | 783.85 | 1022.3 | 35% |
| Reach 1 | 7911 | 100-YR | 38720 | 5716.74 | 5930.18 | 6.53 | | 938.5 | 1446.3 | |
| Reach 1 | 7911 | 100-YR-FW-1.0' | 38720 | 5716.8 | 4795.11 | 8.18 | 0.06 | 814.19 | 897.97 | 38% |
| Reach 1 | 8670 | 100-YR | 38720 | 5720.78 | 6470.28 | 5.98 | | 1041.15 | 1353.91 | |
| Reach 1 | 8670 | 100-YR-FW-1.0' | 38720 | 5721.25 | 4869.97 | 7.95 | 0.47 | 893.82 | 563.07 | 58% |
| Reach 1 | 9070 | 100-YR | 38720 | 5722.47 | 5870.05 | 6.6 | | 1096.85 | 1257.57 | |
| Reach 1 | 9070 | 100-YR-FW-1.0' | 38720 | 5722.74 | 4133.52 | 9.37 | 0.28 | 934.46 | 502.74 | 60% |
| Reach 1 | 9469 | 100-YR | 38720 | 5724.05 | 4423.64 | 8.75 | | 1136.35 | 1016.08 | |
| Reach 1 | 9469 | 100-YR-FW-1.0' | 38720 | 5724.27 | 3206.88 | 12.07 | 0.22 | 960.54 | 378.3 | 62% |
| Reach 1 | 10080 | 100-YR | 38720 | 5728.43 | 5881.81 | 6.58 | | 1193.38 | 1220.55 | |
| Reach 1 | 10080 | 100-YR-FW-1.0' | 38720 | 5728.94 | 4963.32 | 7.8 | 0.52 | 1006.4 | 780.47 | 36% |
| Reach 1 | 10619 | 100-YR | 38720 | 5731.26 | 4476.69 | 9.78 | | 1260.97 | 593.92 | |
| Reach 1 | 10619 | 100-YR-FW-1.0' | 38720 | 5731.66 | 3454.09 | 11.21 | 0.4 | 1061.52 | 420.09 | 29% |
| Reach 1 | 11366 | 100-YR | 38720 | 5749.43 | 13374.81 | 2.89 | | 1484.21 | 859.61 | |
| Reach 1 | 11366 | 100-YR-FW-1.0' | 38720 | 5750.43 | 12687.46 | 3.05 | 0.99 | 1244.12 | 681.4 | 21% |
| Reach 1 | 11806 | 100-YR | 38720 | 5749.41 | 8649.55 | 4.48 | | 1559.16 | 712.9 | |
| Reach 1 | 11806 | 100-YR-FW-1.0' | 38720 | 5750.36 | 7911.94 | 4.89 | 0.95 | 1314.07 | 521.48 | 27% |
| Reach 1 | 12535 | 100-YR | 38720 | 5750.12 | 6902.18 | 5.61 | | 1677.81 | 619.58 | |
| Reach 1 | 12535 | 100-YR-FW-1.0' | 38720 | 5750.98 | 6203.41 | 6.24 | 0.86 | 1421.43 | 424.06 | 32% |
| Reach 1 | 12983 | 100-YR | 38720 | 5750.45 | 4785.96 | 8.09 | | 1737.17 | 483.66 | |
| Reach 1 | 12983 | 100-YR-FW-1.0' | 38720 | 5751.24 | 4401.26 | 8.8 | 0.79 | 1474.33 | 332.6 | 33% |
| Reach 1 | 13528 | 100-YR | 38720 | 5752.2 | 5066.78 | 7.64 | | 1799.78 | 522.63 | |

| | | | | | | | | | | |
|---------|-------|----------------|-------|---------|---------|-------|------|---------|---------|-----|
| Reach 1 | 13528 | 100-YR-FW-1.0' | 38720 | 5752.79 | 4398.72 | 8.8 | 0.59 | 1530.52 | 360.78 | 31% |
| Reach 1 | 14230 | 100-YR | 38720 | 5754.49 | 6253.37 | 6.19 | | 1892.88 | 877.41 | |
| Reach 1 | 14230 | 100-YR-FW-1.0' | 38720 | 5755.25 | 5479.9 | 7.07 | 0.76 | 1611.38 | 633.39 | 28% |
| Reach 1 | 14639 | 100-YR | 38720 | 5755.67 | 5402.83 | 7.17 | | 1947.34 | 866.96 | |
| Reach 1 | 14639 | 100-YR-FW-1.0' | 38720 | 5756.39 | 4772.06 | 8.11 | 0.73 | 1658.95 | 593.89 | 32% |
| Reach 1 | 15405 | 100-YR | 38720 | 5761.1 | 6214.75 | 6.23 | | 2071.03 | 1514.9 | |
| Reach 1 | 15405 | 100-YR-FW-1.0' | 38720 | 5761.71 | 5997.12 | 6.46 | 0.61 | 1776 | 1218.49 | 20% |
| Reach 1 | 15950 | 100-YR | 38720 | 5766.7 | 6914.56 | 5.6 | | 2227.18 | 1368.53 | |
| Reach 1 | 15950 | 100-YR-FW-1.0' | 38720 | 5766.9 | 4902.35 | 7.9 | 0.2 | 1904.21 | 620 | 55% |
| Reach 1 | 16311 | 100-YR | 38720 | 5767.75 | 6115.93 | 6.81 | | 2274.67 | 1241.47 | |
| Reach 1 | 16311 | 100-YR-FW-1.0' | 38720 | 5768.18 | 4458.61 | 8.68 | 0.43 | 1937.37 | 446.97 | 64% |
| Reach 1 | 16802 | 100-YR | 38720 | 5770.01 | 6989.28 | 5.54 | | 2322.67 | 1520.76 | |
| Reach 1 | 16802 | 100-YR-FW-1.0' | 38720 | 5770.19 | 5036.63 | 7.69 | 0.18 | 1972.35 | 650 | 57% |
| Reach 1 | 17742 | 100-YR | 38720 | 5775.85 | 4236.81 | 9.14 | | 2443.26 | 842.2 | |
| Reach 1 | 17742 | 100-YR-FW-1.0' | 38720 | 5776.14 | 3562.97 | 10.87 | 0.29 | 2065.42 | 567.56 | 33% |
| Reach 1 | 18258 | 100-YR | 16650 | 5779.36 | 4954.03 | 3.41 | | 2494.02 | 695.68 | |
| Reach 1 | 18258 | 100-YR-FW-1.0' | 16650 | 5780.17 | 4951.08 | 3.36 | 0.81 | 2112.38 | 600.42 | 14% |
| Reach 1 | 19497 | 100-YR | 16650 | 5793.48 | 5037.61 | 4.37 | | 2623.63 | 591.2 | |
| Reach 1 | 19497 | 100-YR-FW-1.0' | 16650 | 5793.73 | 2907.5 | 5.73 | 0.25 | 2217.89 | 296.49 | 50% |
| Reach 1 | 20089 | 100-YR | 16650 | 5794.96 | 1914.52 | 9.38 | | 2674.9 | 364.91 | |
| Reach 1 | 20089 | 100-YR-FW-1.0' | 16650 | 5795 | 1403.98 | 11.86 | 0.04 | 2249.24 | 200.5 | 45% |
| Reach 1 | 20617 | 100-YR | 16650 | 5799.09 | 2689.96 | 6.21 | | 2705.75 | 392.86 | |
| Reach 1 | 20617 | 100-YR-FW-1.0' | 16650 | 5799.9 | 2595.14 | 6.42 | 0.81 | 2276.01 | 308.73 | 21% |
| Reach 1 | 21032 | 100-YR | 16650 | 5801.17 | 1939.89 | 8.58 | | 2730.58 | 473.8 | |
| Reach 1 | 21032 | 100-YR-FW-1.0' | 16650 | 5801.52 | 1704.19 | 9.77 | 0.35 | 2298.94 | 348.82 | 26% |
| Reach 1 | 21641 | 100-YR | 16650 | 5804.66 | 2246.31 | 7.41 | | 2752.4 | 463.72 | |
| Reach 1 | 21641 | 100-YR-FW-1.0' | 16650 | 5805.28 | 1932.35 | 8.62 | 0.62 | 2318.46 | 291.52 | 37% |
| Reach 1 | 22422 | 100-YR | 16650 | 5809.96 | 1858.09 | 8.96 | | 2785.3 | 518.97 | |
| Reach 1 | 22422 | 100-YR-FW-1.0' | 16650 | 5810.49 | 1630.16 | 10.21 | 0.54 | 2347.21 | 352.12 | 32% |
| Reach 1 | 23026 | 100-YR | 16650 | 5817.51 | 2153.83 | 7.91 | | 2812.46 | 499.36 | |
| Reach 1 | 23026 | 100-YR-FW-1.0' | 16650 | 5817.66 | 1835.21 | 9.07 | 0.14 | 2370.64 | 352.86 | 29% |
| Reach 1 | 23468 | 100-YR | 16650 | 5821.71 | 2284.96 | 7.29 | | 2834.78 | 627.92 | |
| Reach 1 | 23468 | 100-YR-FW-1.0' | 16650 | 5821.93 | 1900.08 | 8.76 | 0.22 | 2389.48 | 406.79 | 35% |
| Reach 1 | 23866 | 100-YR | 16650 | 5823.69 | 4533.32 | 3.67 | | 2859.62 | 609.47 | |
| Reach 1 | 23866 | 100-YR-FW-1.0' | 16650 | 5824.28 | 4723.11 | 3.53 | 0.59 | 2413.73 | 561.94 | 8% |
| Reach 1 | 24386 | 100-YR | 16650 | 5824.22 | 3069.02 | 5.43 | | 2905.57 | 637.84 | |
| Reach 1 | 24386 | 100-YR-FW-1.0' | 16650 | 5824.54 | 2428.97 | 6.85 | 0.31 | 2457.01 | 428.06 | 33% |
| Reach 1 | 25010 | 100-YR | 16650 | 5826.39 | 2350.55 | 7.08 | | 2939.65 | 584.89 | |
| Reach 1 | 25010 | 100-YR-FW-1.0' | 16650 | 5827.08 | 2039.61 | 8.16 | 0.69 | 2485.29 | 385.89 | 34% |
| Reach 1 | 25418 | 100-YR | 16650 | 5829.31 | 2103.21 | 7.92 | | 2956.39 | 712.11 | |
| Reach 1 | 25418 | 100-YR-FW-1.0' | 16650 | 5829.93 | 1823.63 | 9.13 | 0.61 | 2499.55 | 486.71 | 32% |
| Reach 1 | 25968 | 100-YR | 16650 | 5833.98 | 2870.28 | 5.8 | | 2983.6 | 933.23 | |
| Reach 1 | 25968 | 100-YR-FW-1.0' | 16650 | 5834.62 | 2457.47 | 6.78 | 0.64 | 2522.19 | 602.05 | 35% |
| Reach 1 | 26497 | 100-YR | 16650 | 5837.24 | 2112.23 | 7.88 | | 3007.33 | 797.66 | |
| Reach 1 | 26497 | 100-YR-FW-1.0' | 16650 | 5837.91 | 2021.8 | 8.24 | 0.66 | 2543.32 | 675.99 | 15% |
| Reach 1 | 27079 | 100-YR | 16650 | 5843.62 | 2444.04 | 7.55 | | 3035.83 | 741.19 | |
| Reach 1 | 27079 | 100-YR-FW-1.0' | 16650 | 5844.09 | 1831.32 | 9.09 | 0.47 | 2566.62 | 472.84 | 36% |
| Reach 1 | 27558 | 100-YR | 16650 | 5849.05 | 2744.51 | 8.04 | | 3061.54 | 701.13 | |
| Reach 1 | 27558 | 100-YR-FW-1.0' | 16650 | 5849.61 | 2297.83 | 9.47 | 0.56 | 2587.08 | 471.46 | 33% |
| Reach 1 | 28037 | 100-YR | 16650 | 5853.42 | 2119.58 | 7.86 | | 3077.48 | 681.9 | |
| Reach 1 | 28037 | 100-YR-FW-1.0' | 16650 | 5853.88 | 1676.5 | 9.93 | 0.46 | 2599.31 | 402.78 | 41% |

| | | | | | | | | | |
|---------|----------------------|-------|---------|-------------------|-------|----------------------|---------|--------------------------|-------|
| Reach 1 | 28567 100-YR | 16650 | 5858.4 | 2180.55 | 7.64 | | 3092.49 | 722.15 | |
| Reach 1 | 28567 100-YR-FW-1.0' | 16650 | 5858.78 | 1658.57 | 10.04 | 0.39 | 2610.45 | 369.12 | 49% |
| Reach 1 | 28998 100-YR | 16650 | 5862.92 | 2571.13 | 6.48 | | 3110.27 | 889.54 | |
| Reach 1 | 28998 100-YR-FW-1.0' | 16650 | 5863.38 | 2081.66 | 8 | 0.46 | 2623.71 | 504.29 | 43% |
| Reach 1 | 29446 100-YR | 16650 | 5867.66 | 2698.72 | 6.57 | | 3135.58 | 699.72 | |
| Reach 1 | 29446 100-YR-FW-1.0' | 16650 | 5867.7 | 2726.39 | 6.5 | 0.04 | 2646.8 | 699.73 | 0% |
| Reach 1 | 29720 100-YR | 16650 | 5868.79 | 2588.3 | 6.43 | | 3146.08 | 593.68 | |
| Reach 1 | 29720 100-YR-FW-1.0' | 16650 | 5868.75 | 2568.9 | 6.48 | -0.03 | 2657.32 | 592.16 | 0% |
| Reach 1 | 30376 100-YR | 16650 | 5873.2 | 1910.11 | 8.72 | | 3167.2 | 442.26 | |
| Reach 1 | 30376 100-YR-FW-1.0' | 16650 | 5873.71 | 1661.27 | 10.02 | 0.5 | 2677.11 | 316.27 | 29% |
| Reach 1 | 30901 100-YR | 16650 | 5880.86 | 1964.86 | 8.47 | | 3185.47 | 411.36 | |
| Reach 1 | 30901 100-YR-FW-1.0' | 16650 | 5880.98 | 1516.59 | 10.98 | 0.12 | 2692.27 | 250.4 | 39% |
| Reach 1 | 31152 100-YR | 16650 | 5885.75 | 2071.28 | 8.04 | | 3194.79 | 464.59 | |
| Reach 1 | 31152 100-YR-FW-1.0' | 16650 | 5885.98 | 1709.25 | 9.74 | 0.23 | 2699.76 | 336.78 | 28% |
| Reach 1 | 31435 100-YR | 16650 | 5888.42 | 2077.69 | 8.01 | | 3204.34 | 499.6 | |
| Reach 1 | 31435 100-YR-FW-1.0' | 16650 | 5888.7 | 1744.08 | 9.55 | 0.29 | 2707.63 | 377.57 | 24% |
| Reach 1 | 31863 100-YR | 16650 | 5891.39 | 2125.12 | 7.83 | | 3222.75 | 606.18 | |
| Reach 1 | 31863 100-YR-FW-1.0' | 16650 | 5892.1 | 2252.12 | 7.39 | 0.72 | 2725.06 | 534.71 | 12% |
| Reach 1 | 32391 100-YR | 16650 | 5895.44 | 2572.91 | 7.09 | | 3249.83 | 508.21 | |
| Reach 1 | 32391 100-YR-FW-1.0' | 16650 | 5895.66 | 1771.47 | 9.4 | 0.22 | 2748.23 | 362.58 | 29% |
| Reach 1 | 33184 100-YR | 16650 | 5907.38 | 4745.58 | 3.51 | | 3287.18 | 552.51 | |
| Reach 1 | 33184 100-YR-FW-1.0' | 16650 | 5907.89 | 4027.83 | 4.13 | 0.51 | 2779.53 | 344.58 | 38% |
| Reach 1 | 33364 100-YR | 16390 | 5907.56 | 5701.49 | 2.87 | | 3310.9 | 755.36 | |
| Reach 1 | 33364 100-YR-FW-1.0' | 16390 | 5908.07 | 4591.93 | 3.57 | 0.51 | 2798.85 | 444.06 | 41% |
| Reach 1 | 33876 100-YR | 16390 | 5907.71 | 3209.9 | 5.11 | | 3356.39 | 640.29 | |
| Reach 1 | 33876 100-YR-FW-1.0' | 16390 | 5908.15 | 2549.68 | 6.43 | 0.45 | 2835.75 | 355.61 | 44% |
| Reach 1 | 34264 100-YR | 16390 | 5908.74 | 2458.1 | 6.67 | | 3387.82 | 503.16 | |
| Reach 1 | 34264 100-YR-FW-1.0' | 16390 | 5909.29 | 1955.4 | 8.38 | 0.54 | 2860.71 | 305.78 | 39% |
| Reach 1 | 34964 100-YR | 16390 | 5912.45 | 1559.33 | 10.51 | | 3420.1 | 379.51 | |
| Reach 1 | 34964 100-YR-FW-1.0' | 16390 | 5913.17 | 1466.02 | 11.18 | 0.72 | 2888.2 | 278.69 | 27% |
| | | | | | | | | | 2047% |
| | | | | Velocity Increase | | Storage 16% Decrease | | Average 15% Topwidth Dec | 32% |