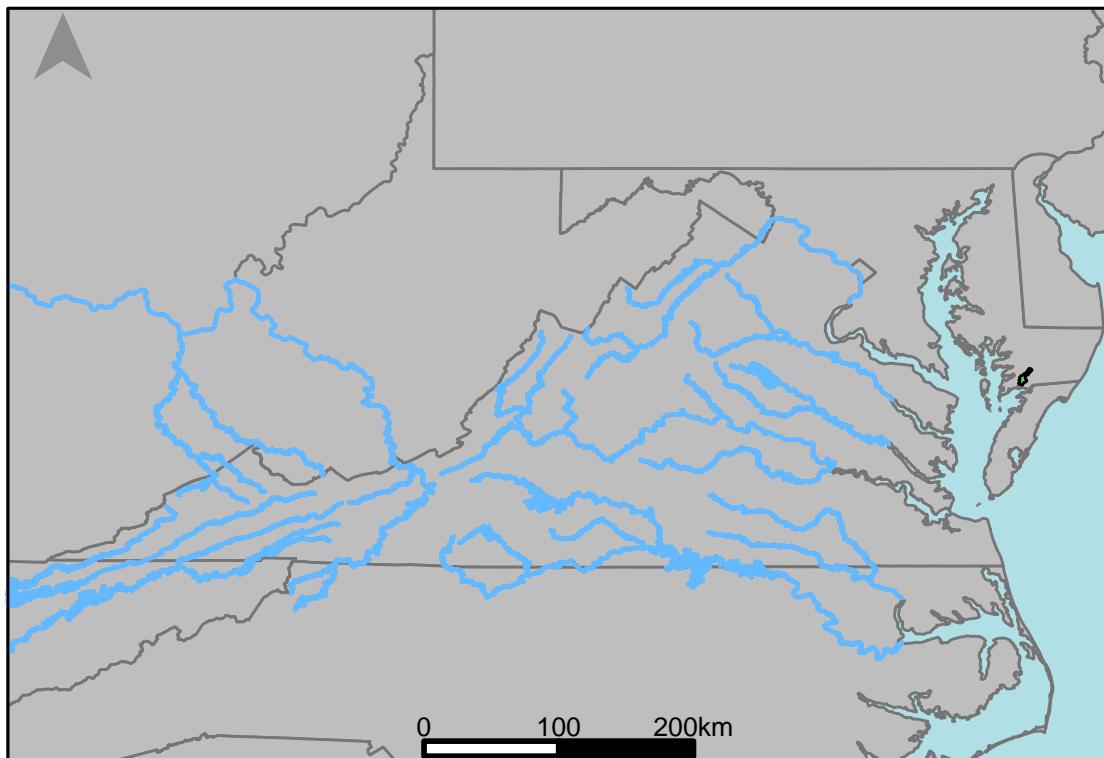


River Segment: EL1_6000_0001 - Scenario 1:
CFBASE30Y20180615 vs. Scenario 2:
CBAE1808L55CY55R45P50R45P50Y



The average daily discharge change between scenario 1 and scenario 2 for the 20 year timespan was 4.60526%, with 1.11% of its rolling three month time spans above 20% difference.

Table 1: Monthly Low Flows

| | Base 2018 | Climate Change | Pct. Difference |
|---------------|-----------|----------------|-----------------|
| Jan. Low Flow | 0.85 | 0.86 | 1.18 |
| Feb. Low Flow | 2.48 | 2.58 | 4.03 |
| Mar. Low Flow | 4.16 | 4.42 | 6.25 |
| Apr. Low Flow | 7.9 | 8 | 1.27 |
| May Low Flow | 9.19 | 9.3 | 1.2 |
| Jun. Low Flow | 8.35 | 8.18 | -2.04 |
| Jul. Low Flow | 6.26 | 6.26 | 0 |
| Aug. Low Flow | 3.72 | 3.74 | 0.54 |
| Sep. Low Flow | 2.08 | 2.04 | -1.92 |
| Oct. Low Flow | 0.43 | 0.39 | -10.39 |
| Nov. Low Flow | 0.76 | 0.72 | -4.61 |
| Dec. Low Flow | 0.79 | 0.82 | 3.78 |

Table 2: Monthly Average Flows

| | Base 2018 | Climate Change | Pct. Difference |
|-------------------|-----------|----------------|-----------------|
| Overall Mean Flow | 15.2 | 15.9 | 4.61 |
| Jan. Mean Flow | 25.6 | 27.2 | 6.25 |
| Feb. Mean Flow | 26.9 | 28.2 | 4.83 |
| Mar. Mean Flow | 34.1 | 34.1 | 0 |
| Apr. Mean Flow | 18.3 | 18.9 | 3.28 |
| May Mean Flow | 13.5 | 14.2 | 5.19 |
| Jun. Mean Flow | 5.4 | 5.39 | -0.19 |
| Jul. Mean Flow | 7.73 | 8.31 | 7.5 |
| Aug. Mean Flow | 8.42 | 9.06 | 7.6 |
| Sep. Mean Flow | 7.95 | 8.17 | 2.77 |
| Oct. Mean Flow | 9.07 | 9.83 | 8.38 |
| Nov. Mean Flow | 9.96 | 10.4 | 4.42 |
| Dec. Mean Flow | 16.1 | 17.6 | 9.32 |

Table 3: Monthly High Flows

| | Base 2018 | Climate Change | Pct. Difference |
|----------------|-----------|----------------|-----------------|
| Jan. High Flow | 25.2 | 27.4 | 8.73 |
| Feb. High Flow | 29.8 | 32.8 | 10.07 |
| Mar. High Flow | 47.1 | 53.6 | 13.8 |
| Apr. High Flow | 76.3 | 85.8 | 12.45 |
| May High Flow | 80.7 | 81.1 | 0.5 |
| Jun. High Flow | 123 | 120 | -2.44 |
| Jul. High Flow | 71.1 | 81.5 | 14.63 |
| Aug. High Flow | 36 | 37.7 | 4.72 |
| Sep. High Flow | 13.6 | 14.2 | 4.41 |
| Oct. High Flow | 11 | 12 | 9.09 |
| Nov. High Flow | 18.4 | 20.4 | 10.87 |
| Dec. High Flow | 19.1 | 21.2 | 10.99 |

Table 4: Period Low Flows

| | Base 2018 | Climate Change | Pct. Difference |
|--------------------------|-----------|----------------|-----------------|
| Min. 1 Day Min | 0 | 0 | NaN |
| Med. 1 Day Min | 0.14 | 0.13 | -11.03 |
| Min. 3 Day Min | 0 | 0 | 464.6 |
| Med. 3 Day Min | 0.17 | 0.16 | -10.34 |
| Min. 7 Day Min | 0 | 0 | -71.91 |
| Med. 7 Day Min | 0.25 | 0.23 | -6.77 |
| Min. 30 Day Min | 0.03 | 0.03 | -8.62 |
| Med. 30 Day Min | 0.86 | 0.92 | 6.97 |
| Min. 90 Day Min | 0.61 | 0.62 | 0.33 |
| Med. 90 Day Min | 2.85 | 3.05 | 7.02 |
| 7Q10 | 0 | 0 | -1.38 |
| Year of 90-Day Min. Flow | 1986 | 1986 | 0 |
| Drought Year Mean | 9.67 | 9.83 | 1.65 |
| Mean Baseflow | 5.77 | 5.8 | 0.52 |

Table 5: Period High Flows

| | Base 2018 | Climate Change | Pct. Difference |
|-----------------|-----------|----------------|-----------------|
| Max. 1 Day Max | 440 | 461 | 4.77 |
| Med. 1 Day Max | 272 | 270 | -0.74 |
| Max. 3 Day Max | 382 | 405 | 6.02 |
| Med. 3 Day Max | 170 | 172 | 1.18 |
| Max. 7 Day Max | 193 | 213 | 10.36 |
| Med. 7 Day Max | 103 | 107 | 3.88 |
| Max. 30 Day Max | 115 | 126 | 9.57 |
| Med. 30 Day Max | 46.5 | 47.6 | 2.37 |
| Max. 90 Day Max | 66.7 | 71.2 | 6.75 |
| Med. 90 Day Max | 29.1 | 30 | 3.09 |

Table 6: Non-Exceedance Flows

| | Base 2018 | Climate Change | Pct. Difference |
|--------------------------|-----------|----------------|-----------------|
| 1% Non-Exceedance | 0.05 | 0.04 | -10.34 |
| 5% Non-Exceedance | 0.39 | 0.37 | -5.36 |
| 50% Non-Exceedance | 7.76 | 7.98 | 2.84 |
| 95% Non-Exceedance | 50.1 | 52 | 3.79 |
| 99% Non-Exceedance | 147 | 161 | 9.52 |
| Sept. 10% Non-Exceedance | 0.32 | 0.31 | -1.27 |

Fig. 1: Hydrograph

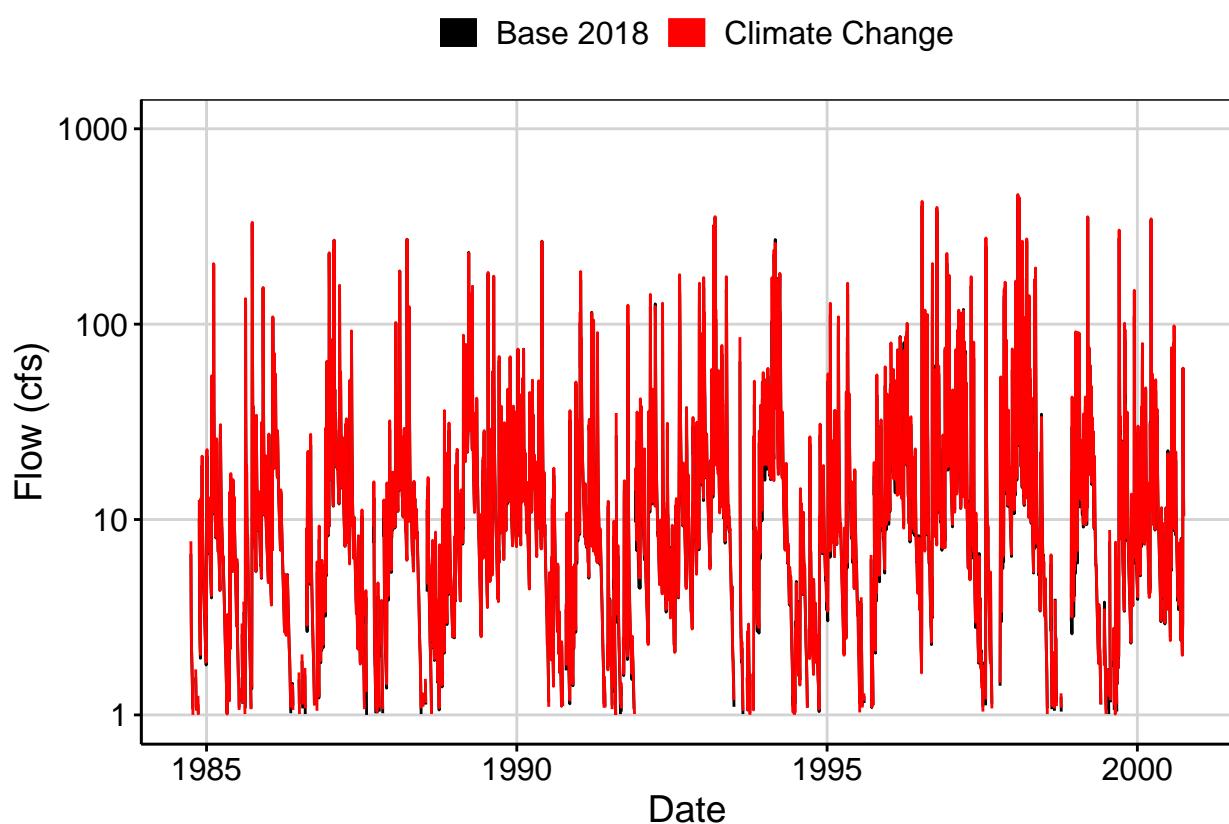


Fig. 2: Zoomed Hydrograph

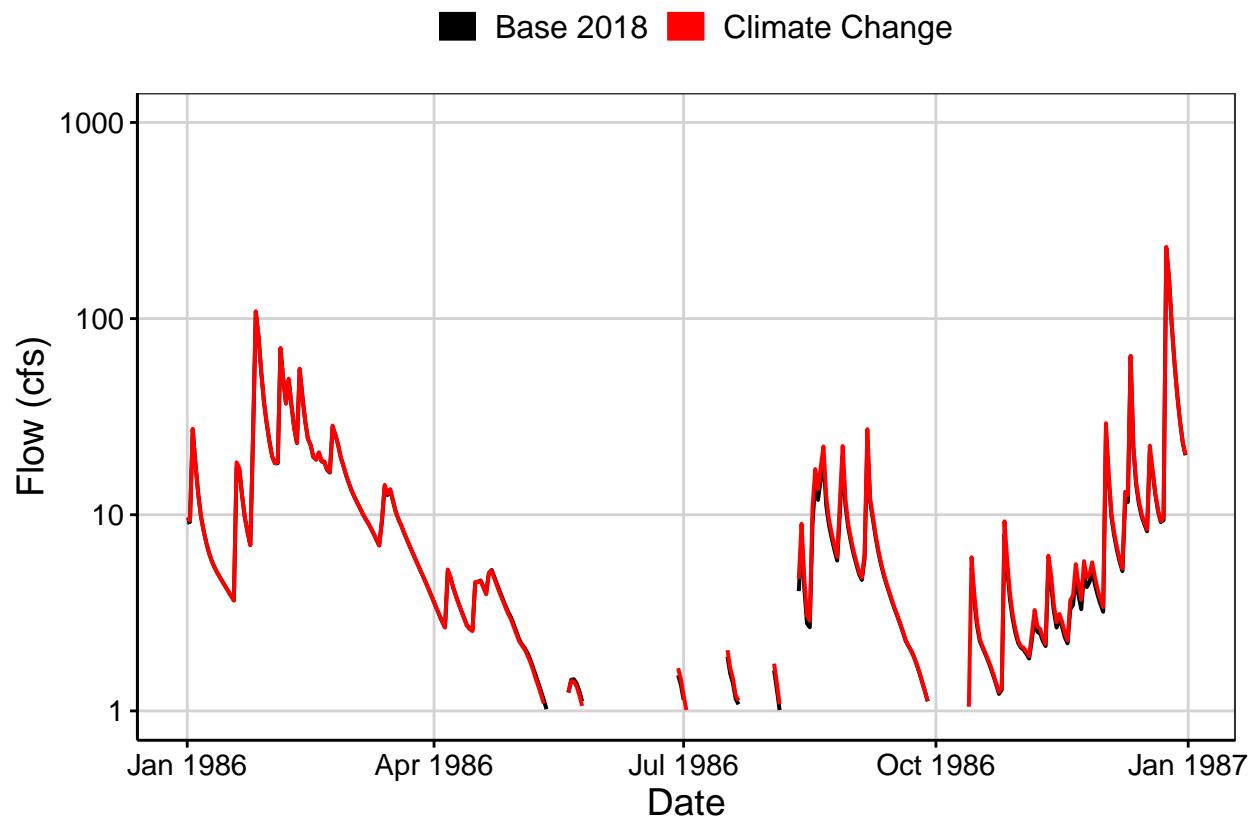


Fig. 3: Flow Exceedance

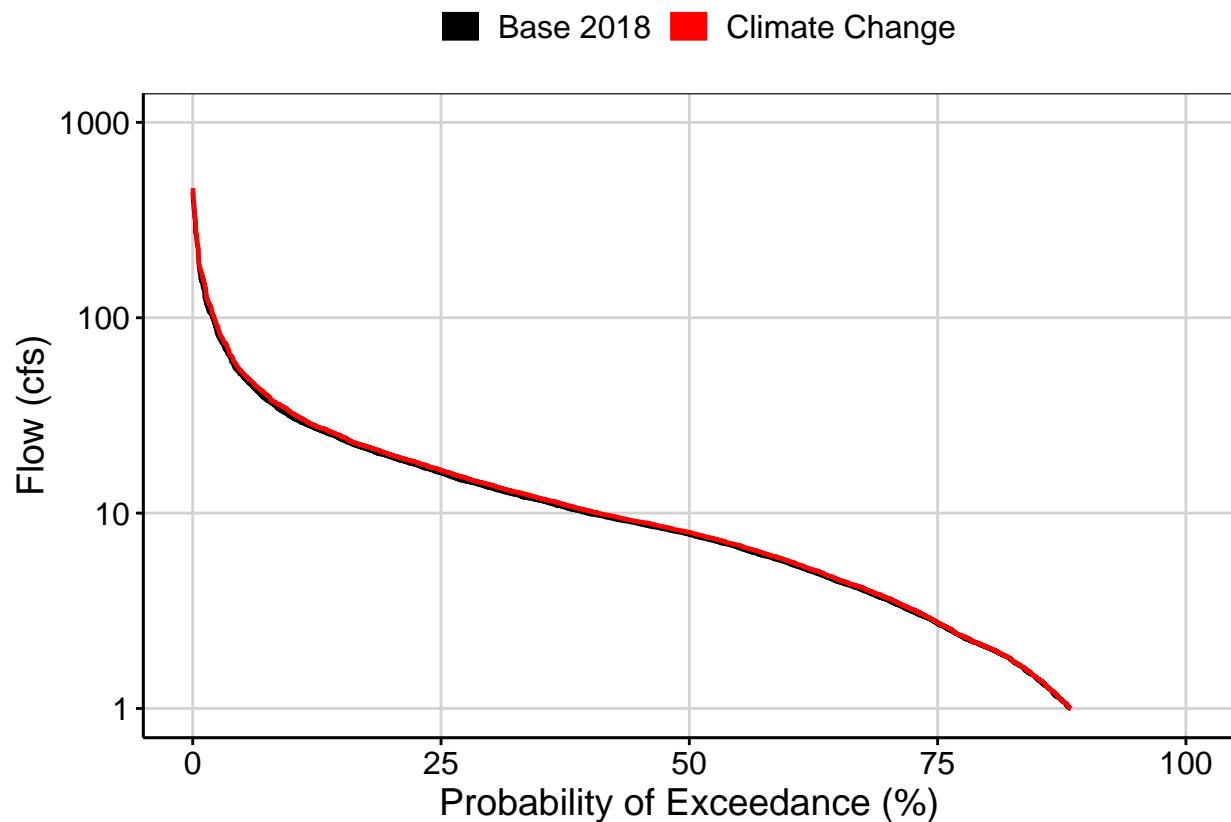


Fig. 4: Baseflow

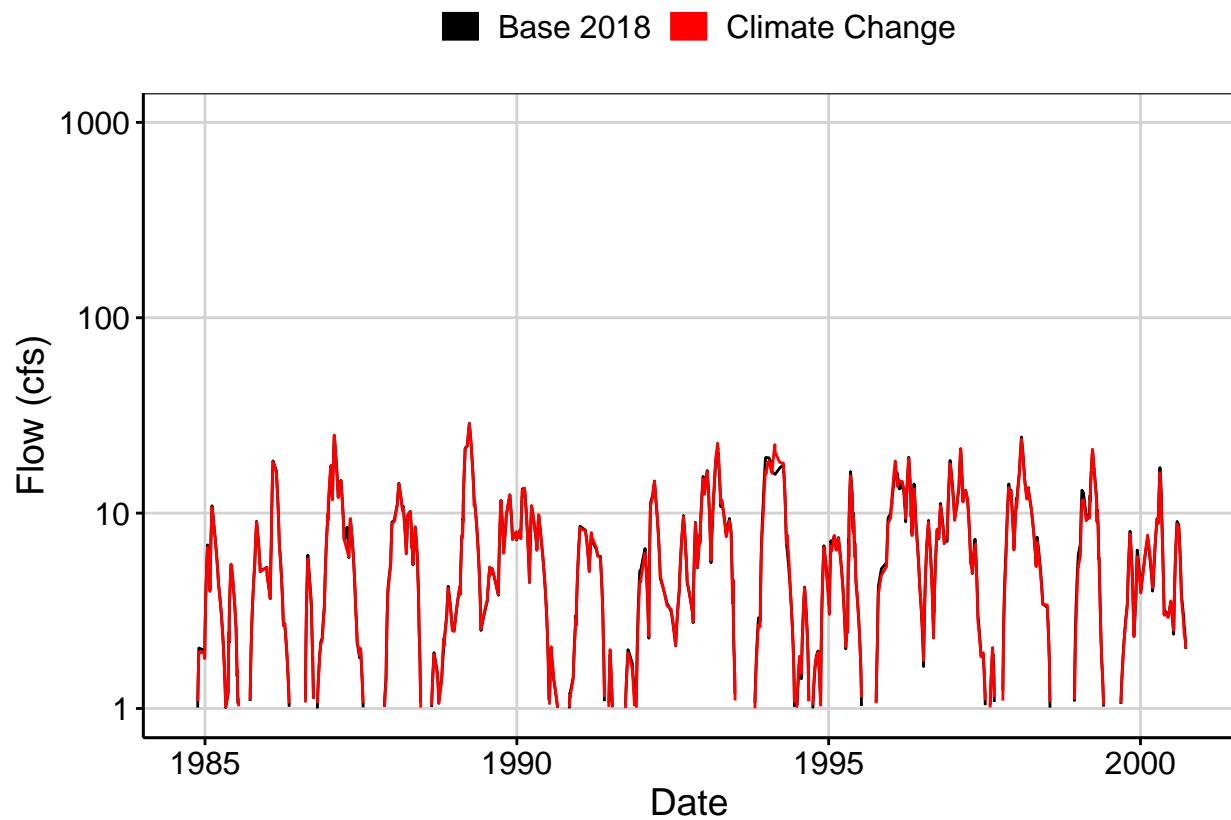


Fig. 5: Combined Baseflow

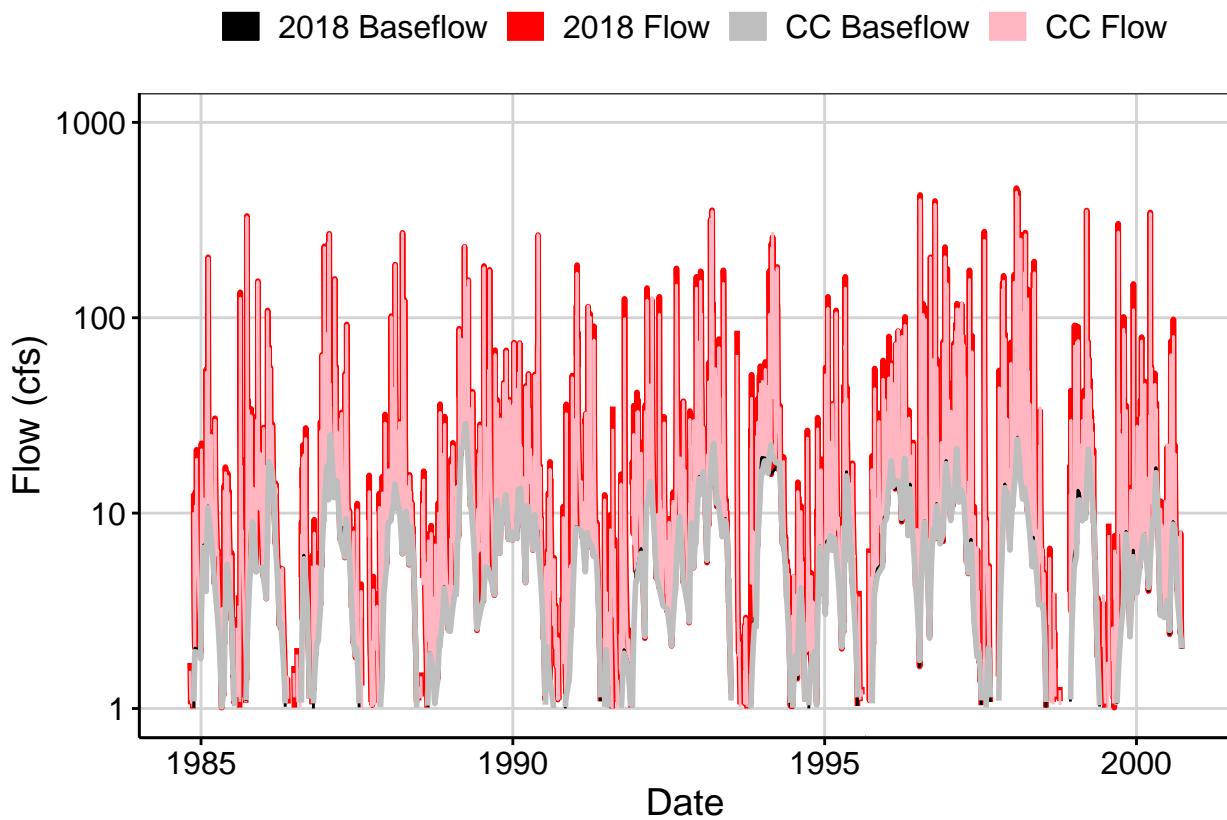


Fig. 6: Largest Difference Segment

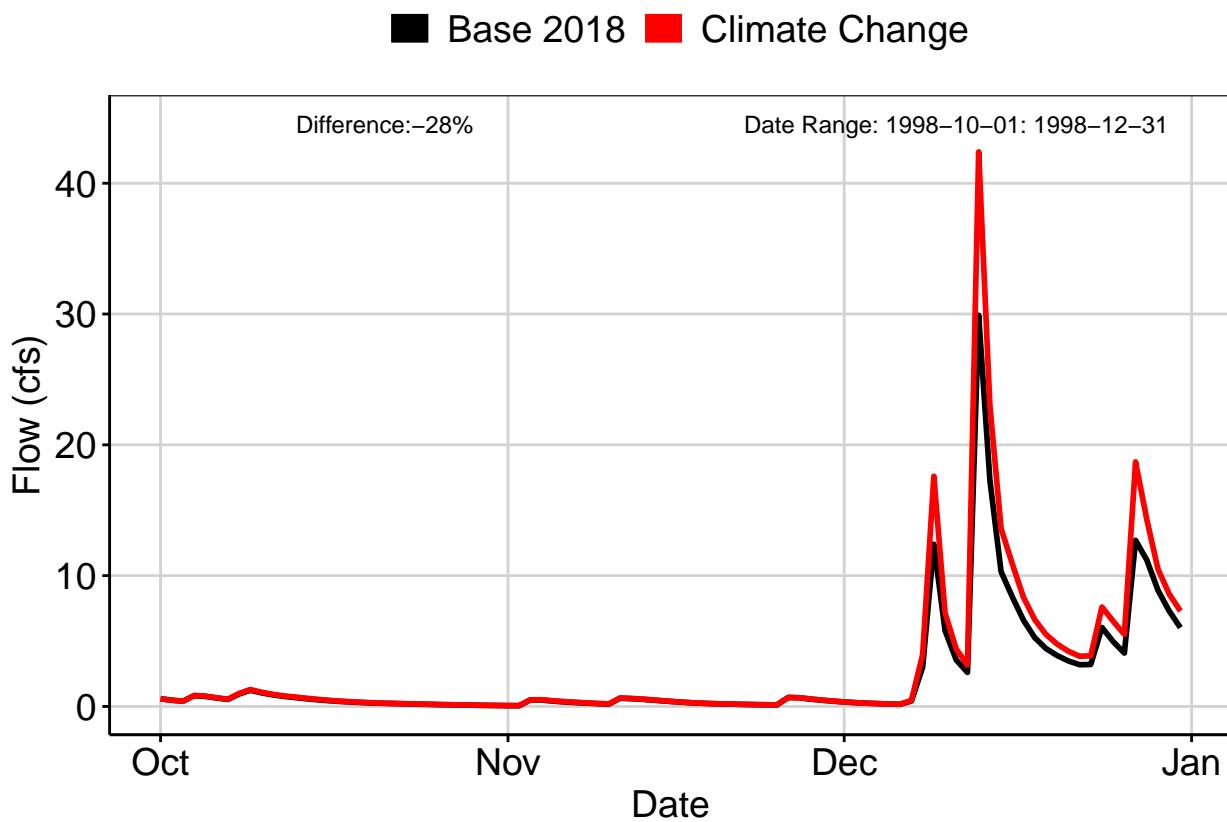


Fig. 7: Second Largest Difference Segment

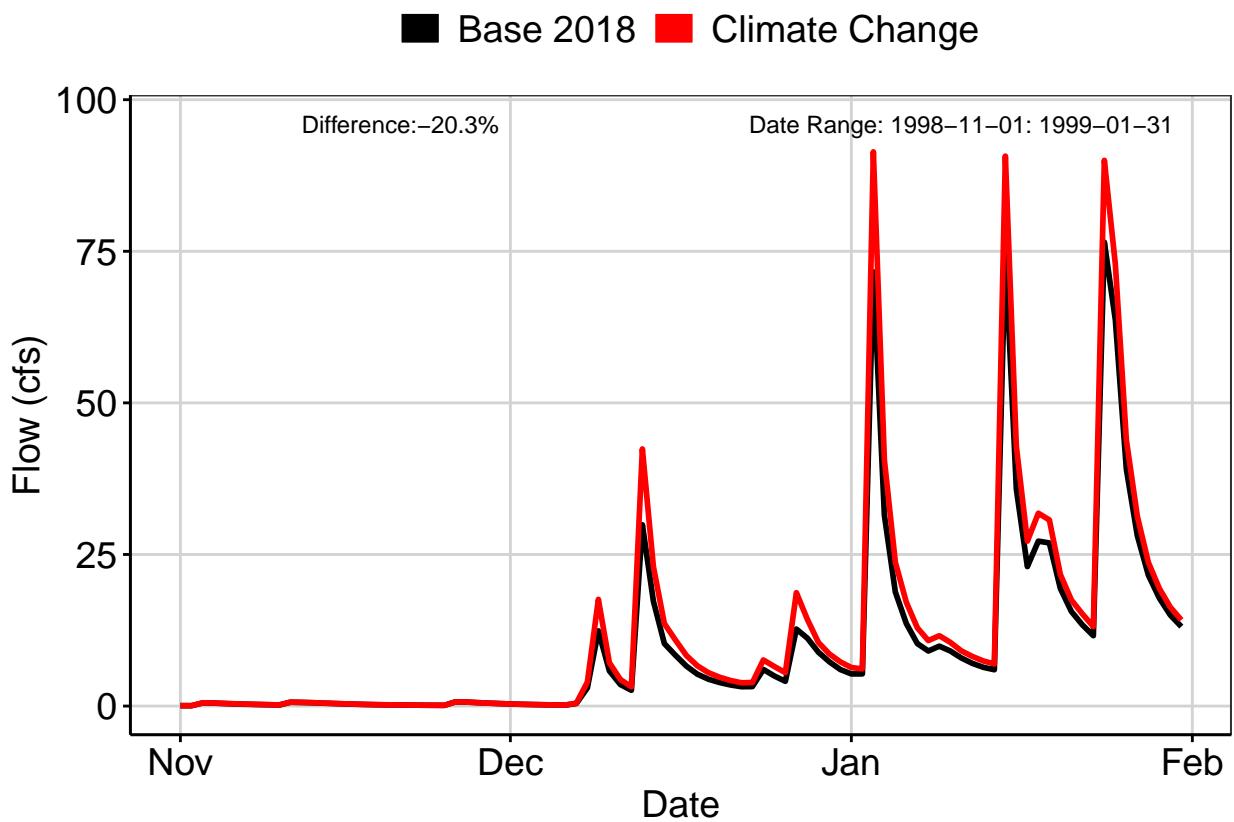


Fig. 8: Third Largest Difference Segment

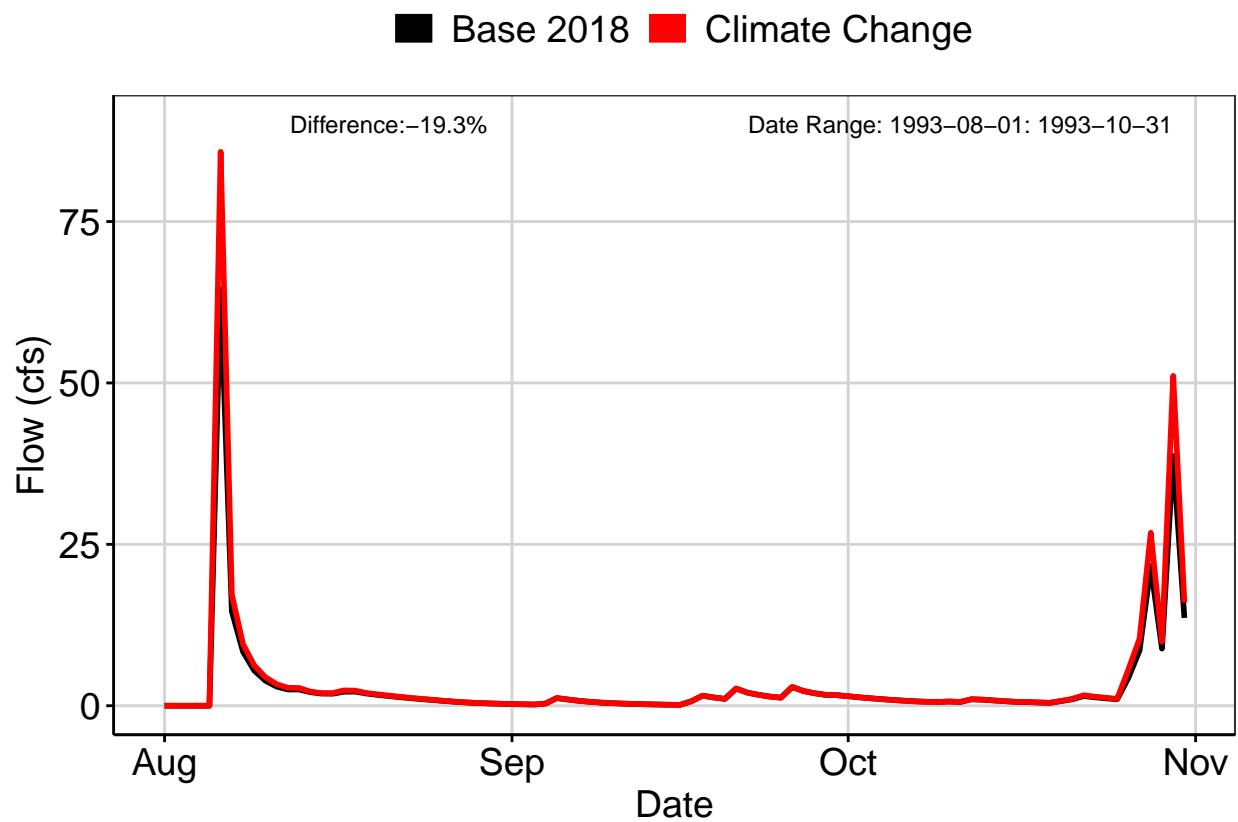


Fig. 9A: Residuals Plot

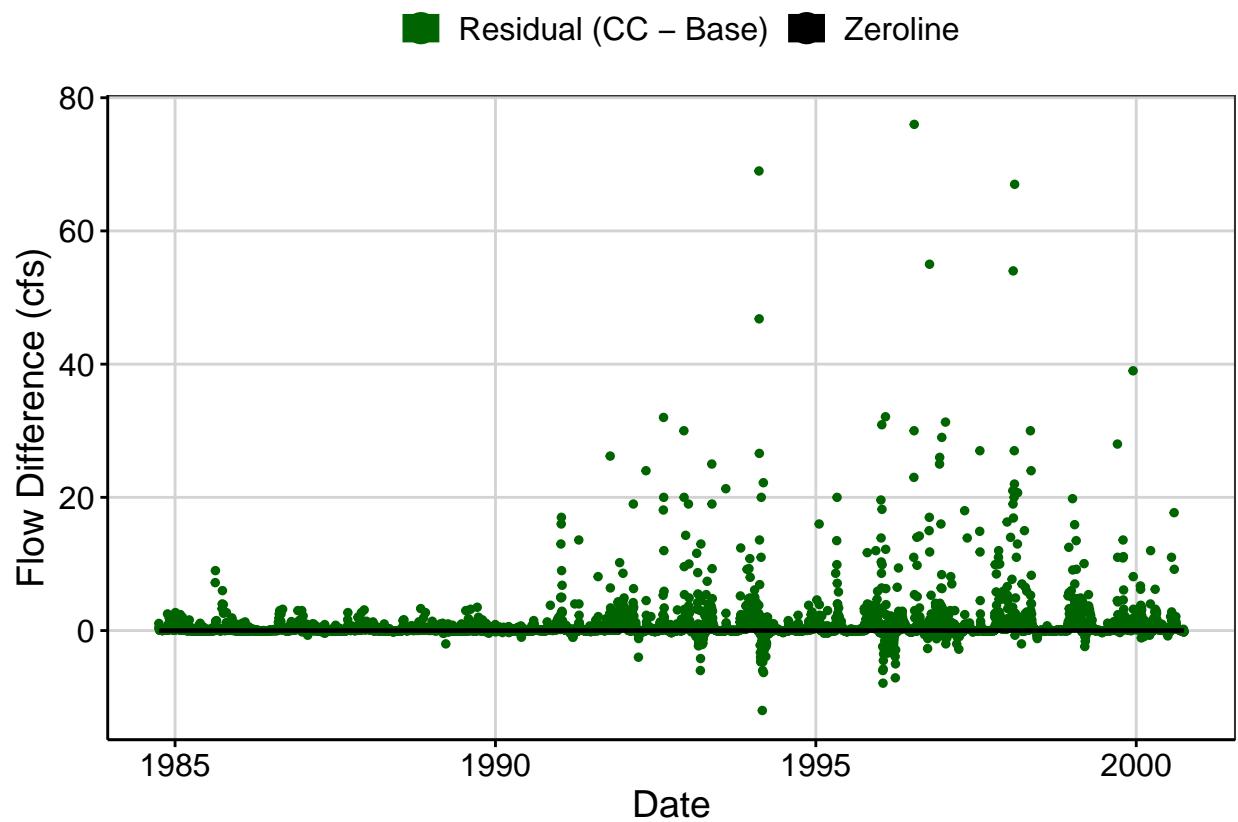


Fig. 9B: Area Weighted Residuals Plot

