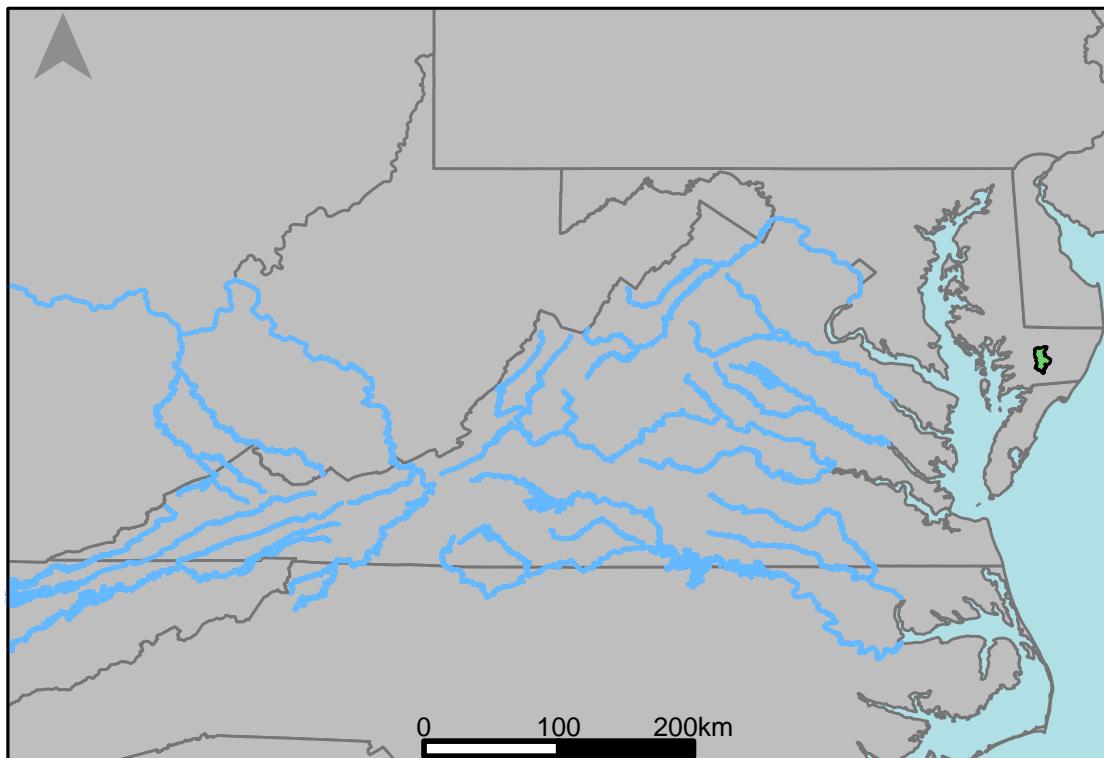


River Segment: EL1\_5570\_0001 - Scenario 1:  
CFBASE30Y20180615 vs. Scenario 2:  
CBAE1808L55CY55R45P50R45P50Y



The average daily discharge change between scenario 1 and scenario 2 for the 20 year timespan was 4.79549%, with 3.33% of its rolling three month time spans above 20% difference.

**Table 1: Monthly Low Flows**

	Base 2018	Climate Change	Pct. Difference
Jan. Low Flow	3.72	3.76	1.08
Feb. Low Flow	13.4	13.8	2.99
Mar. Low Flow	21.6	23.8	10.19
Apr. Low Flow	42.9	43.2	0.7
May Low Flow	50.6	50.4	-0.4
Jun. Low Flow	43.7	42.8	-2.06
Jul. Low Flow	32.6	32.6	0
Aug. Low Flow	18	18	0
Sep. Low Flow	8.24	7.9	-4.13
Oct. Low Flow	2.04	2.02	-0.98
Nov. Low Flow	3.43	3.52	2.62
Dec. Low Flow	2.74	2.99	9.12

**Table 2: Monthly Average Flows**

	Base 2018	Climate Change	Pct. Difference
Overall Mean Flow	70.9	74.3	4.8
Jan. Mean Flow	124	130	4.84
Feb. Mean Flow	129	136	5.43
Mar. Mean Flow	158	158	0
Apr. Mean Flow	89.1	91.7	2.92
May Mean Flow	61.8	65.4	5.83
Jun. Mean Flow	25.1	25	-0.4
Jul. Mean Flow	29.5	31.8	7.8
Aug. Mean Flow	41.1	44.6	8.52
Sep. Mean Flow	35.4	36	1.69
Oct. Mean Flow	40.3	43.7	8.44
Nov. Mean Flow	45.4	48.6	7.05
Dec. Mean Flow	75	82.9	10.53

**Table 3: Monthly High Flows**

	Base 2018	Climate Change	Pct. Difference
Jan. High Flow	85.8	103	20.05
Feb. High Flow	97.4	116	19.1
Mar. High Flow	164	182	10.98
Apr. High Flow	380	418	10
May High Flow	310	304	-1.94
Jun. High Flow	453	457	0.88
Jul. High Flow	230	265	15.22
Aug. High Flow	139	158	13.67
Sep. High Flow	67	68.8	2.69
Oct. High Flow	25	31.2	24.8
Nov. High Flow	44.2	53.9	21.95
Dec. High Flow	40.8	48.3	18.38

**Table 4: Period Low Flows**

	Base 2018	Climate Change	Pct. Difference
Min. 1 Day Min	0	0	NaN
Med. 1 Day Min	0.74	0.67	-9.09
Min. 3 Day Min	0	0	-448.33
Med. 3 Day Min	0.85	0.79	-7.29
Min. 7 Day Min	0	0.01	91.37
Med. 7 Day Min	1.14	1.08	-5.26
Min. 30 Day Min	0.21	0.21	0.94
Med. 30 Day Min	2.83	3.02	6.71
Min. 90 Day Min	1.65	1.75	6.06
Med. 90 Day Min	11.2	11.6	3.57
7Q10	0.04	0.05	16.16
Year of 90-Day Min. Flow	1986	1986	0
Drought Year Mean	42.5	43.3	1.88
Mean Baseflow	29.5	29.8	1.02

**Table 5: Period High Flows**

	Base 2018	Climate Change	Pct. Difference
Max. 1 Day Max	1620	1720	6.17
Med. 1 Day Max	870	880	1.15
Max. 3 Day Max	1470	1560	6.12
Med. 3 Day Max	700	709	1.29
Max. 7 Day Max	893	961	7.61
Med. 7 Day Max	499	506	1.4
Max. 30 Day Max	526	569	8.17
Med. 30 Day Max	220	235	6.82
Max. 90 Day Max	302	321	6.29
Med. 90 Day Max	139	142	2.16

**Table 6: Non-Exceedance Flows**

	Base 2018	Climate Change	Pct. Difference
1% Non-Exceedance	0.4	0.41	0.74
5% Non-Exceedance	1.52	1.55	1.97
50% Non-Exceedance	36.8	37.9	2.99
95% Non-Exceedance	245	254	3.67
99% Non-Exceedance	680	705	3.68
Sept. 10% Non-Exceedance	1.61	1.65	2.48

**Fig. 1: Hydrograph**

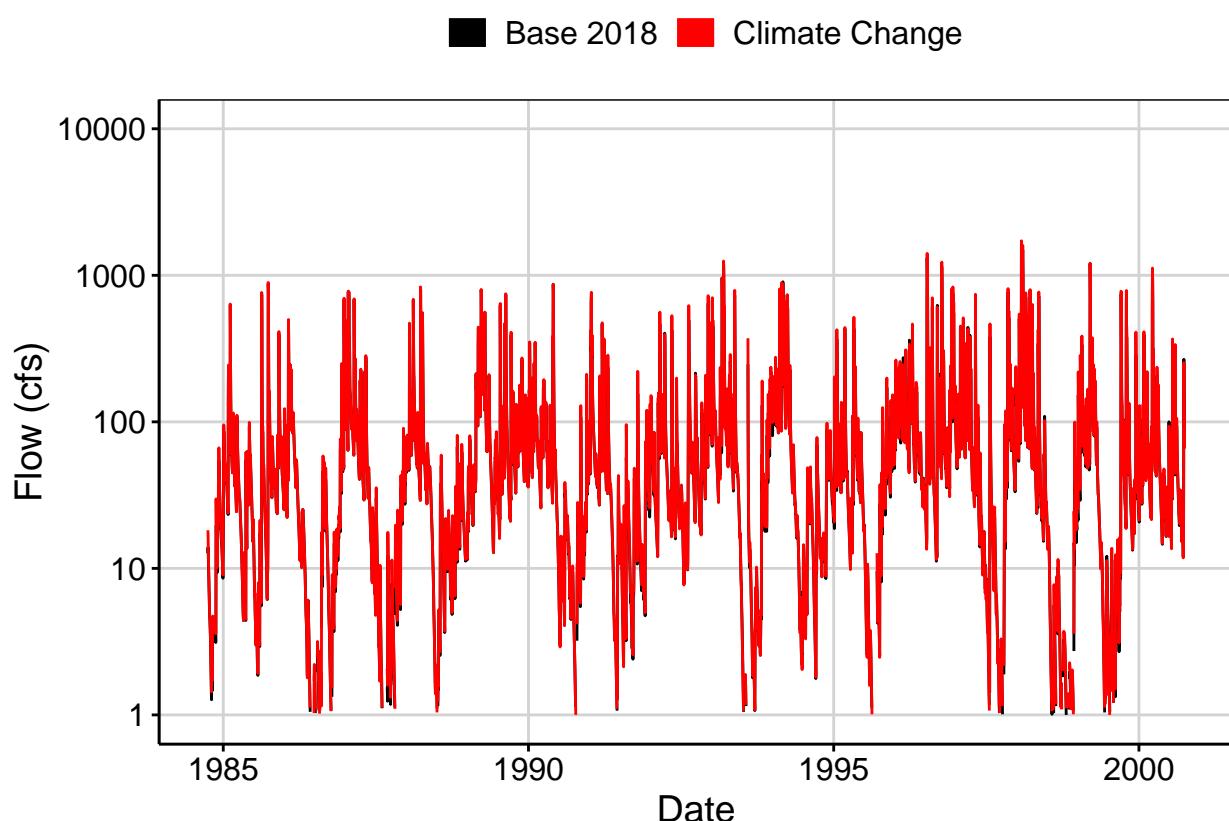


Fig. 2: Zoomed Hydrograph

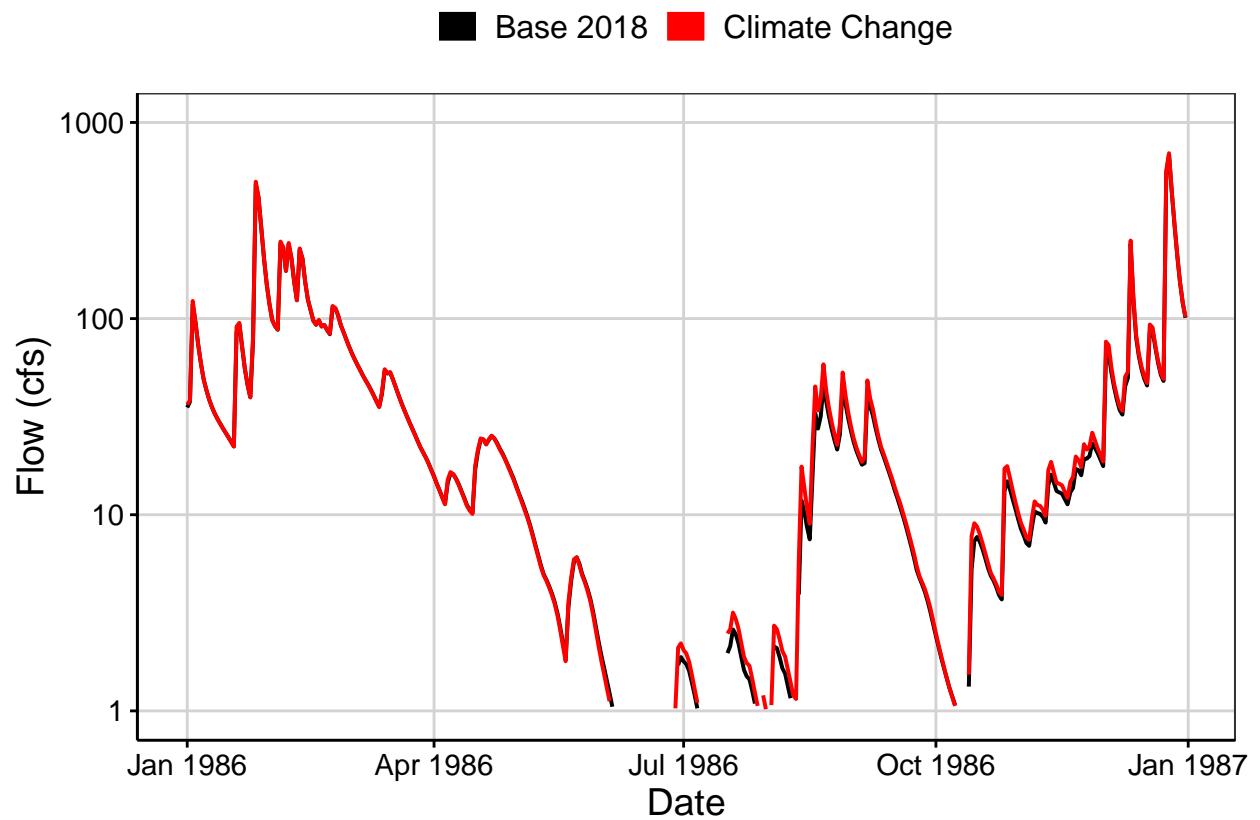


Fig. 3: Flow Exceedance

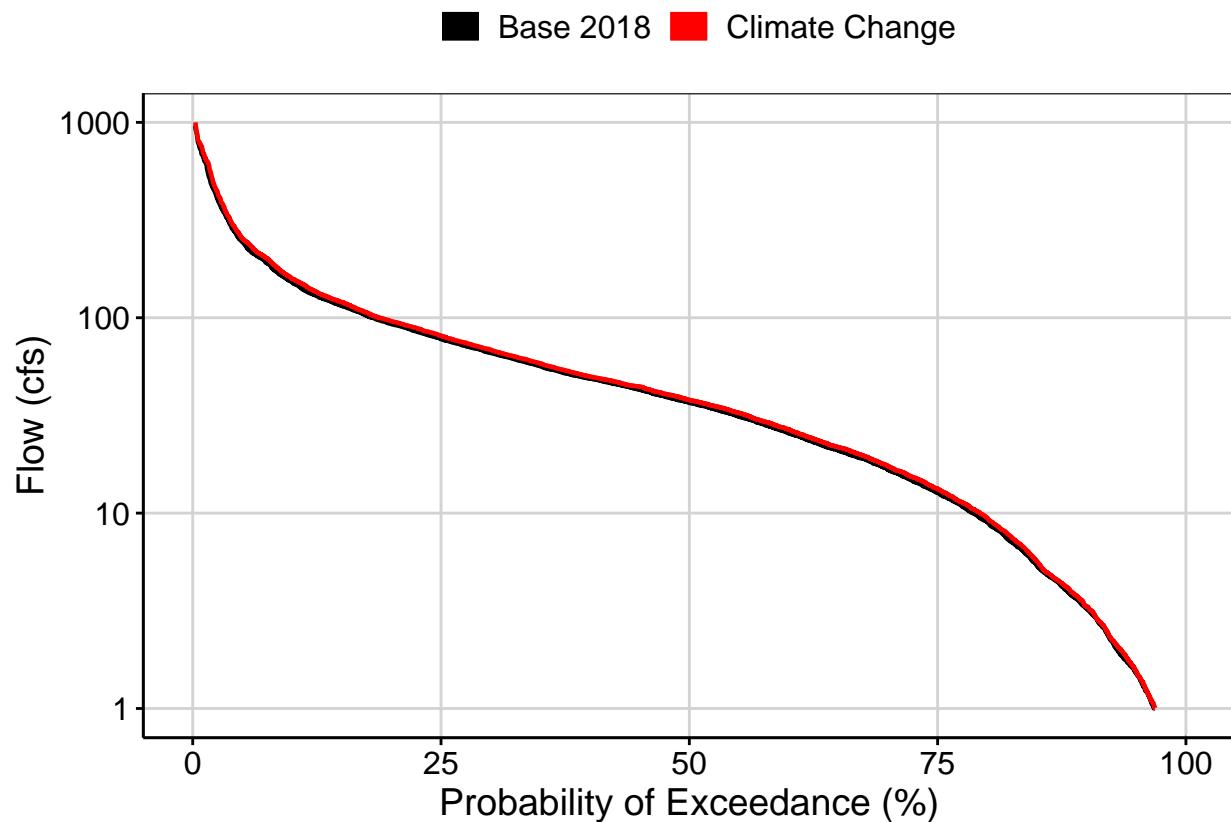
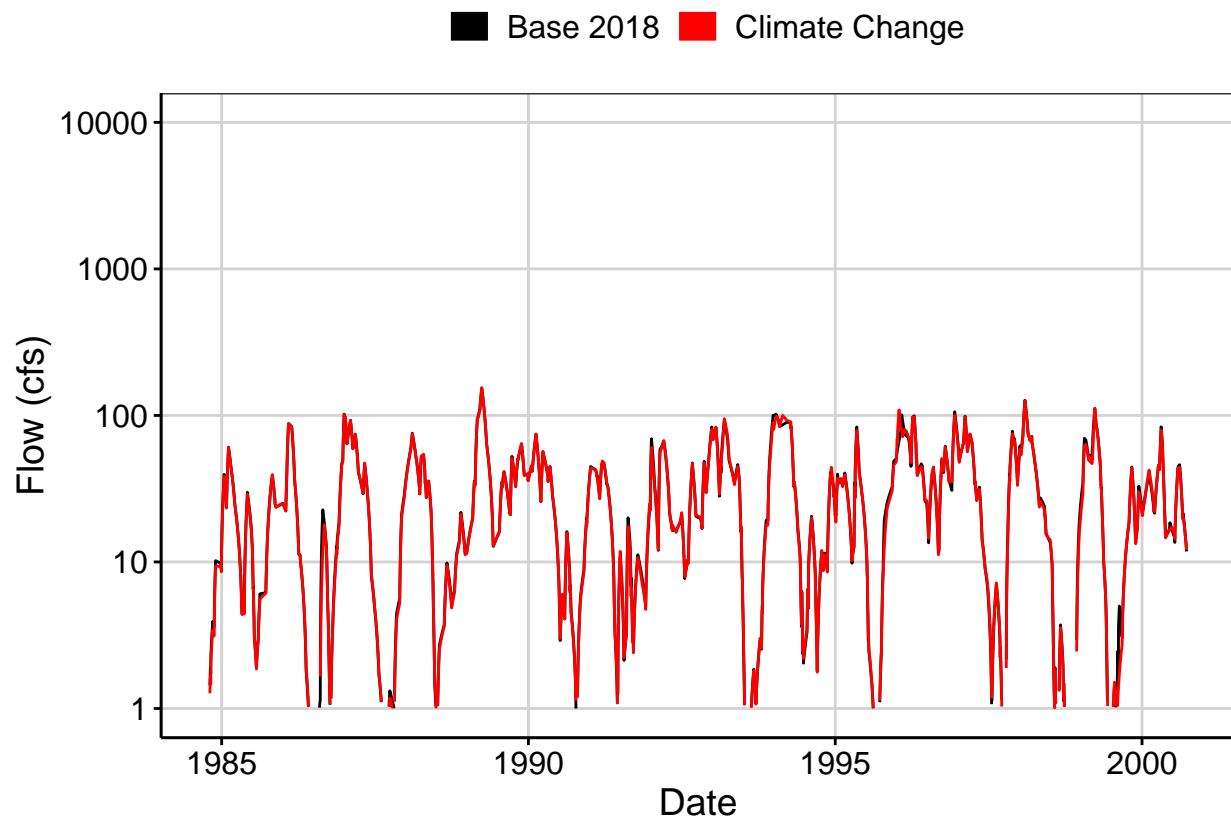


Fig. 4: Baseflow



**Fig. 5: Combined Baseflow**

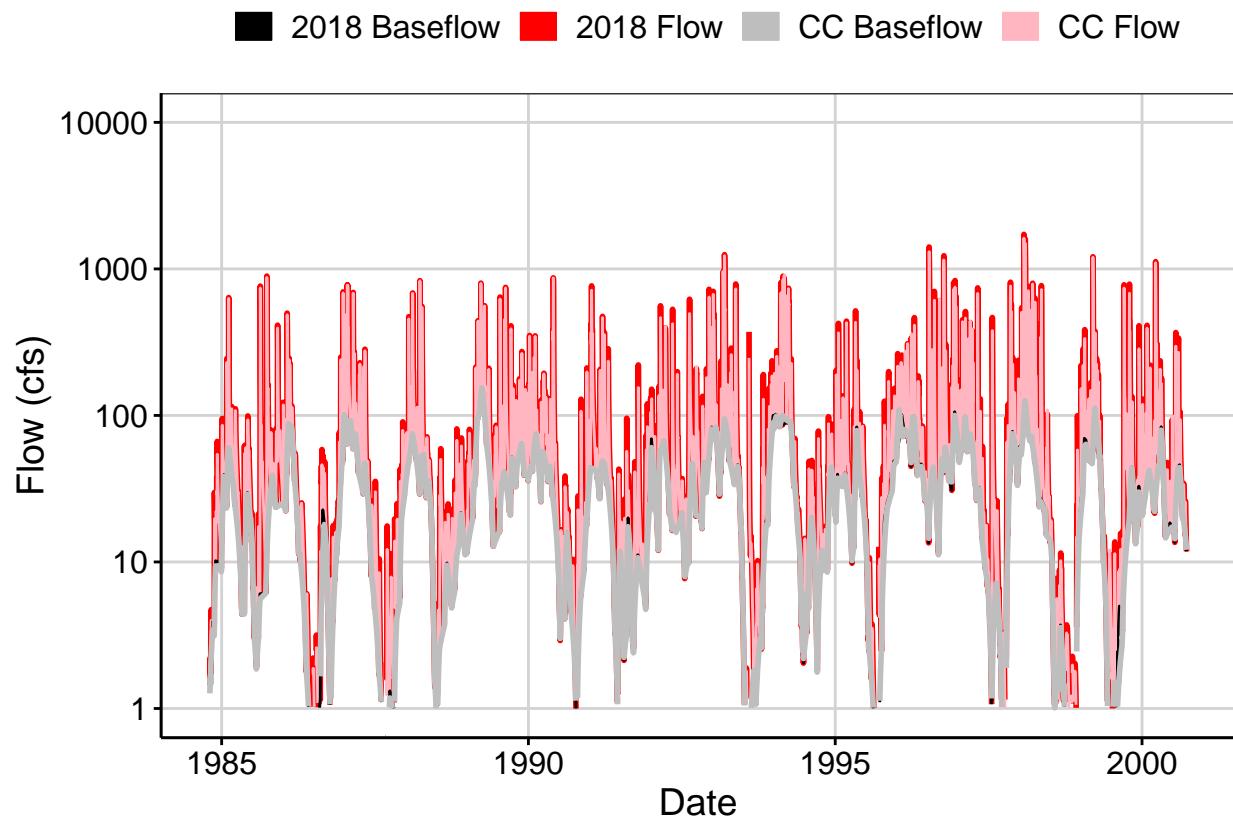


Fig. 6: Largest Difference Segment

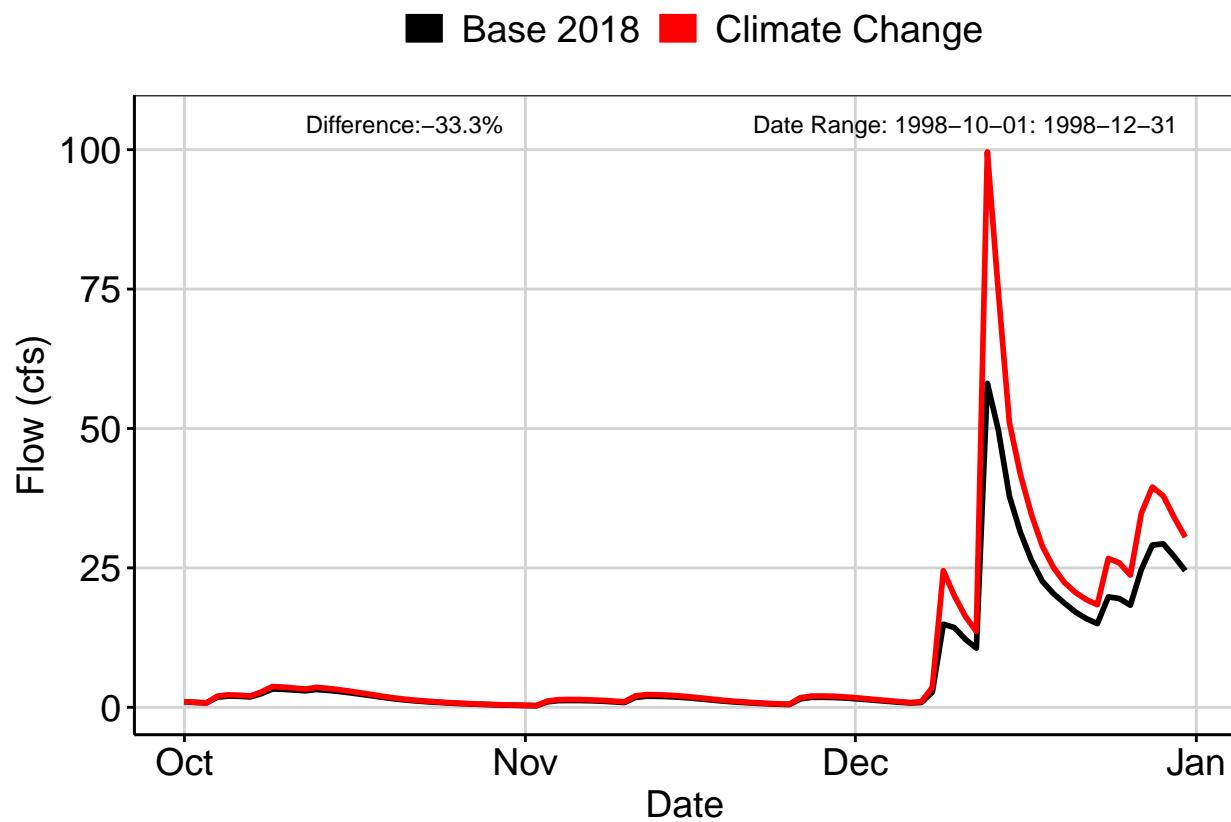


Fig. 7: Second Largest Difference Segment

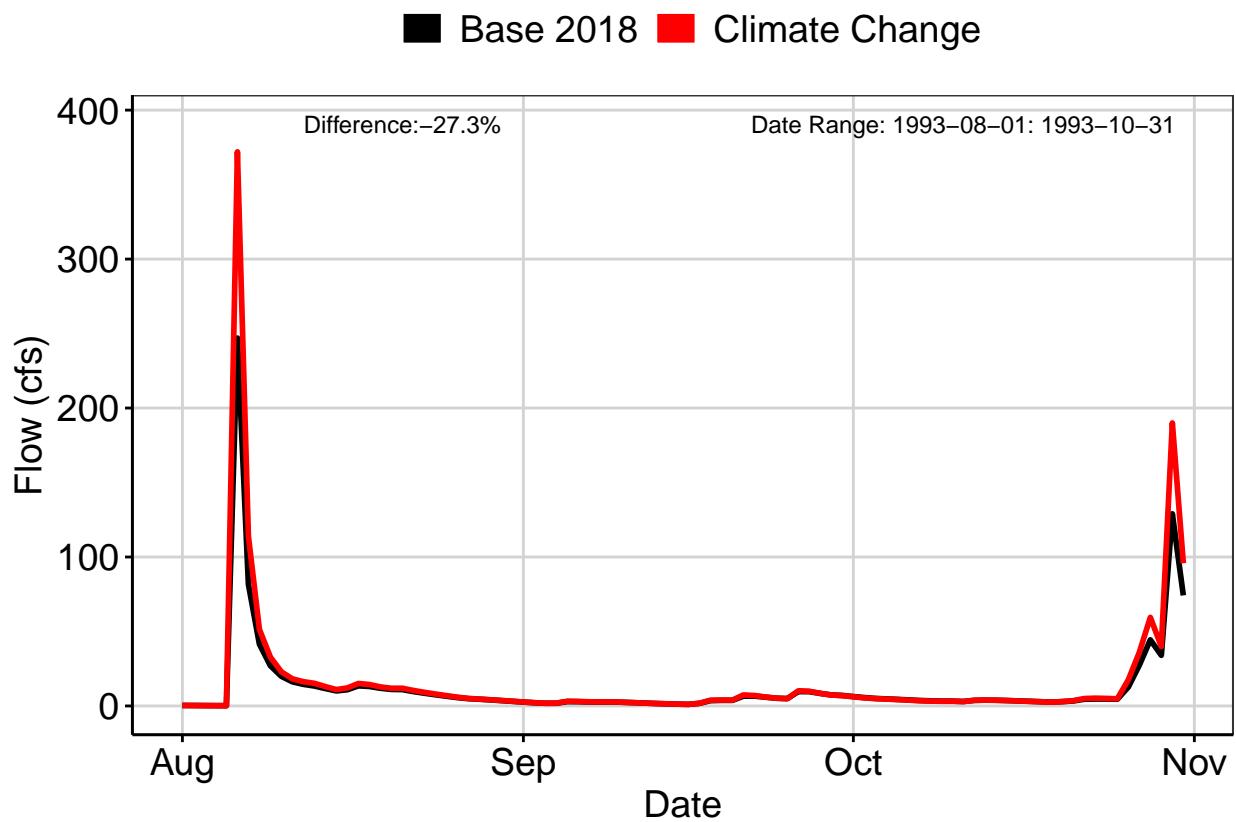


Fig. 8: Third Largest Difference Segment

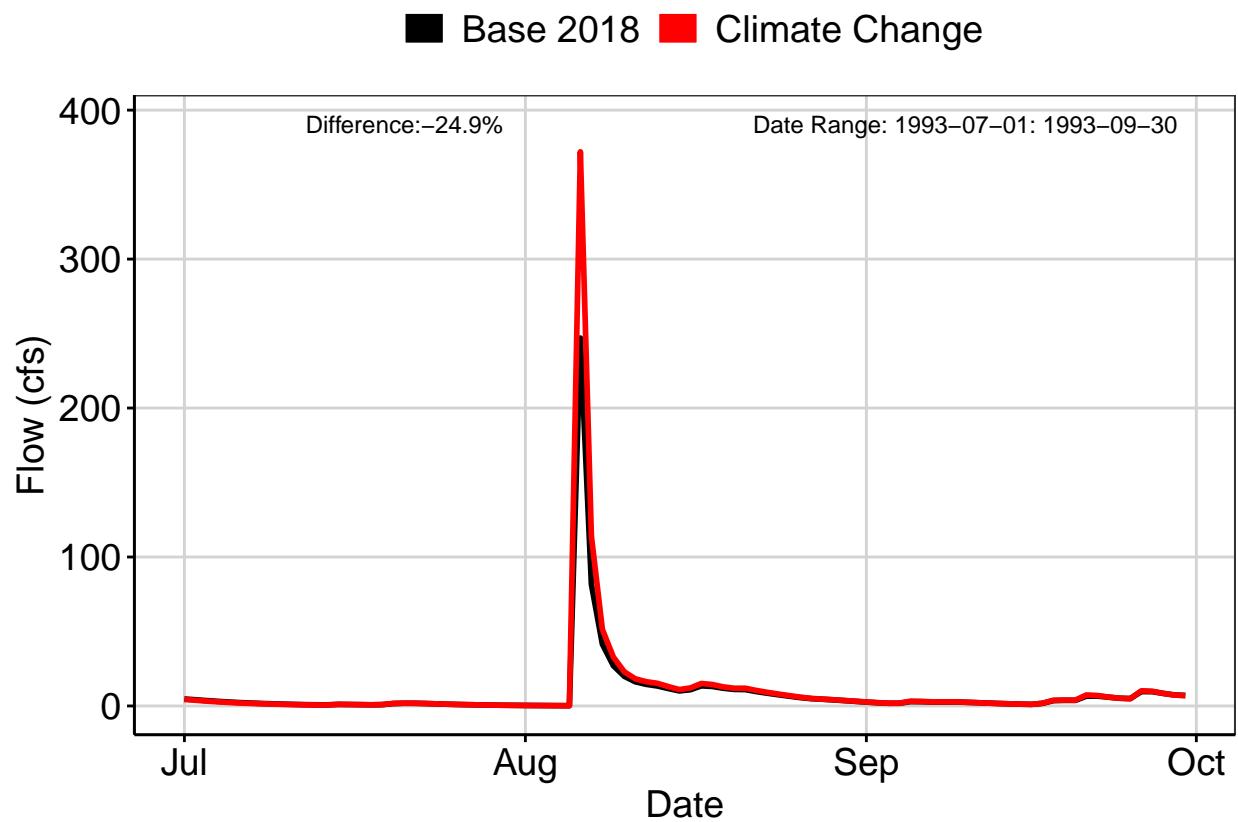


Fig. 9A: Residuals Plot

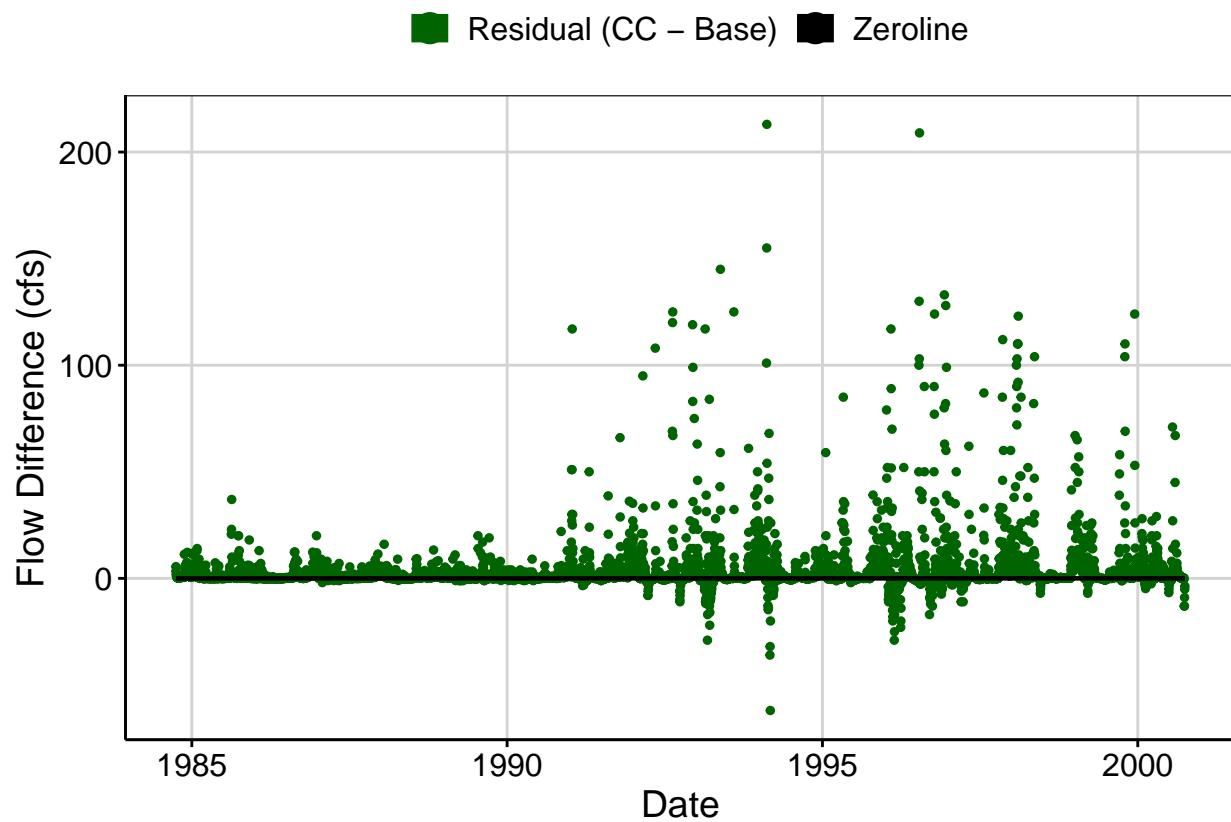


Fig. 9B: Area Weighted Residuals Plot

