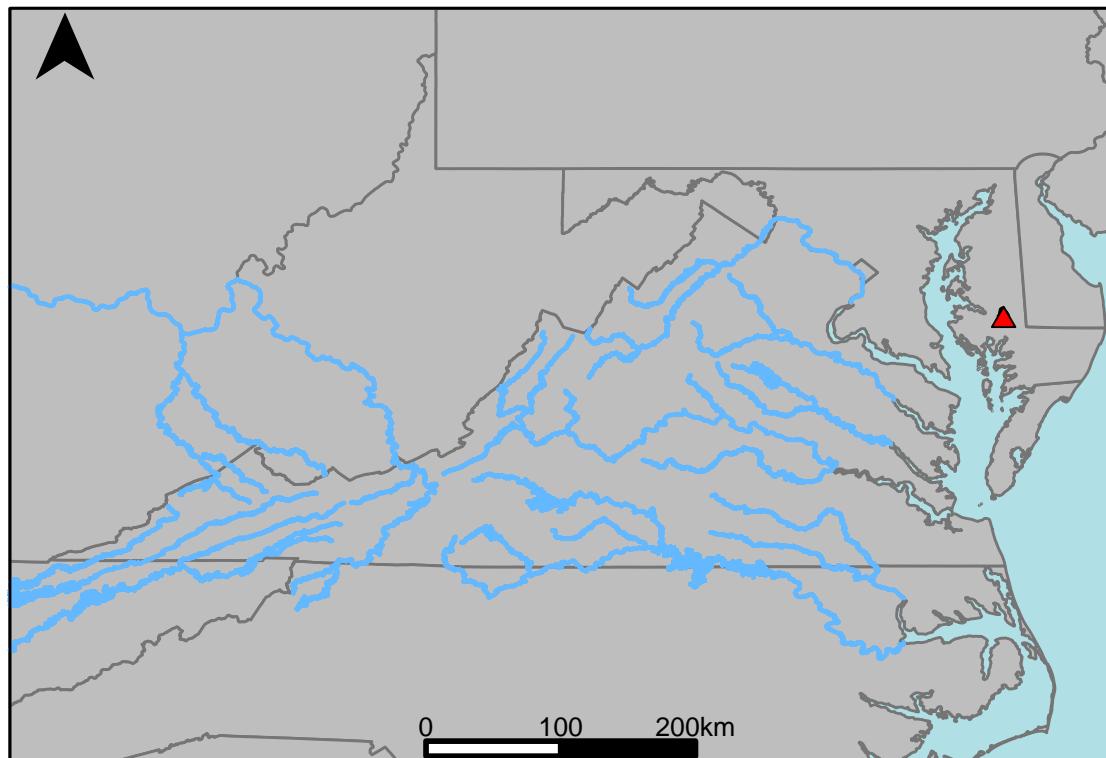


Appendix ##: River Segment: EL1\_5150\_0001 -  
Scenario 1: CFBASE30Y20180615 vs. Scenario 2:  
CBASE1808L55CY55R45P50R45P50Y



The average daily discharge change between scenario 1 and scenario 2 for the 20 year timespan was 5.07614%, with 5% of its rolling three month time spans above 20% difference.

**Table 1: Monthly Low Flows**

	Base 2018	Climate Change	Pct. Difference
Jan. Low Flow	1.19	1.25	5.04
Feb. Low Flow	2.66	2.77	4.14
Mar. Low Flow	6.17	6.44	4.38
Apr. Low Flow	10.3	10.5	1.94
May Low Flow	12.4	11.5	-7.26
Jun. Low Flow	11	10.5	-4.55
Jul. Low Flow	8.41	8.26	-1.78
Aug. Low Flow	4.94	4.94	0
Sep. Low Flow	2.59	2.54	-1.93
Oct. Low Flow	0.98	1	2.46
Nov. Low Flow	1.12	1.18	5.36
Dec. Low Flow	0.89	0.92	3.02

**Table 2: Monthly Average Flows**

	Base 2018	Climate Change	Pct. Difference
Overall Mean Flow	19.7	20.7	5.08
Jan. Mean Flow	34.3	36.9	7.58
Feb. Mean Flow	35	37	5.71
Mar. Mean Flow	43.7	43.7	0
Apr. Mean Flow	23.7	24.3	2.53
May Mean Flow	18.6	19.7	5.91
Jun. Mean Flow	8.22	8.29	0.85
Jul. Mean Flow	8.47	9.12	7.67
Aug. Mean Flow	8.8	9.88	12.27
Sep. Mean Flow	10.5	10.6	0.95
Oct. Mean Flow	9.53	10.4	9.13
Nov. Mean Flow	13.1	14.6	11.45
Dec. Mean Flow	22.6	25.1	11.06

**Table 3: Monthly High Flows**

	Base 2018	Climate Change	Pct. Difference
Jan. High Flow	17.3	21.2	22.54
Feb. High Flow	39.4	44.8	13.71
Mar. High Flow	56.2	68.8	22.42
Apr. High Flow	144	150	4.17
May High Flow	114	130	14.04
Jun. High Flow	206	208	0.97
Jul. High Flow	71.4	78.4	9.8
Aug. High Flow	57.6	69.2	20.14
Sep. High Flow	13.2	14	6.06
Oct. High Flow	10.4	13.8	32.69
Nov. High Flow	29.2	40.2	37.67
Dec. High Flow	12.6	14.5	15.08

**Table 4: Period Low Flows**

	Base 2018	Climate Change	Pct. Difference
Min. 1 Day Min	0	0	NaN
Med. 1 Day Min	0.38	0.35	-6.38
Min. 3 Day Min	0	0	-83.83
Med. 3 Day Min	0.44	0.42	-5.68
Min. 7 Day Min	0	0	323.48
Med. 7 Day Min	0.51	0.49	-4.31
Min. 30 Day Min	0.04	0.05	14.18
Med. 30 Day Min	1.5	1.64	9.33
Min. 90 Day Min	1.17	1.31	11.97
Med. 90 Day Min	3.66	4.07	11.2
7Q10	0	0	35.1
Year of 90-Day Min. Flow	1987	1987	0
Drought Year Mean	18.6	19	2.15
Mean Baseflow	7.73	7.63	-1.29

**Table 5: Period High Flows**

	Base 2018	Climate Change	Pct. Difference
Max. 1 Day Max	743	853	14.8
Med. 1 Day Max	370	398	7.57
Max. 3 Day Max	423	488	15.37
Med. 3 Day Max	224	246	9.82
Max. 7 Day Max	211	236	11.85
Med. 7 Day Max	131	143	9.16
Max. 30 Day Max	125	138	10.4
Med. 30 Day Max	59.5	62.5	5.04
Max. 90 Day Max	78.5	84.2	7.26
Med. 90 Day Max	39.6	39.4	-0.51

**Table 6: Non-Exceedance Flows**

	Base 2018	Climate Change	Pct. Difference
1% Non-Exceedance	0.01	0.02	24.82
5% Non-Exceedance	0.54	0.55	2.42
50% Non-Exceedance	10.1	10.4	2.97
95% Non-Exceedance	62.8	68.6	9.24
99% Non-Exceedance	190	207	8.95
Sept. 10% Non-Exceedance	0.34	0.34	1.49

**Fig. 1: Hydrograph**

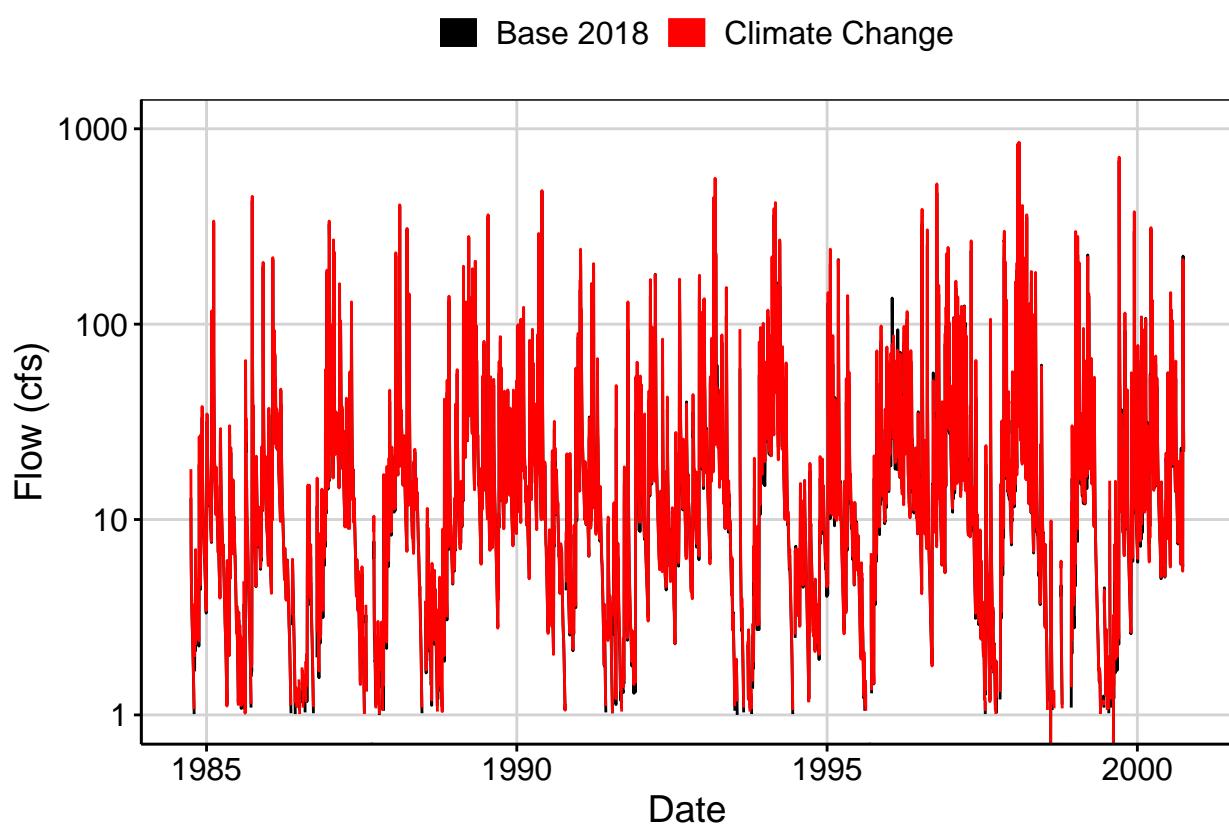


Fig. 2: Zoomed Hydrograph

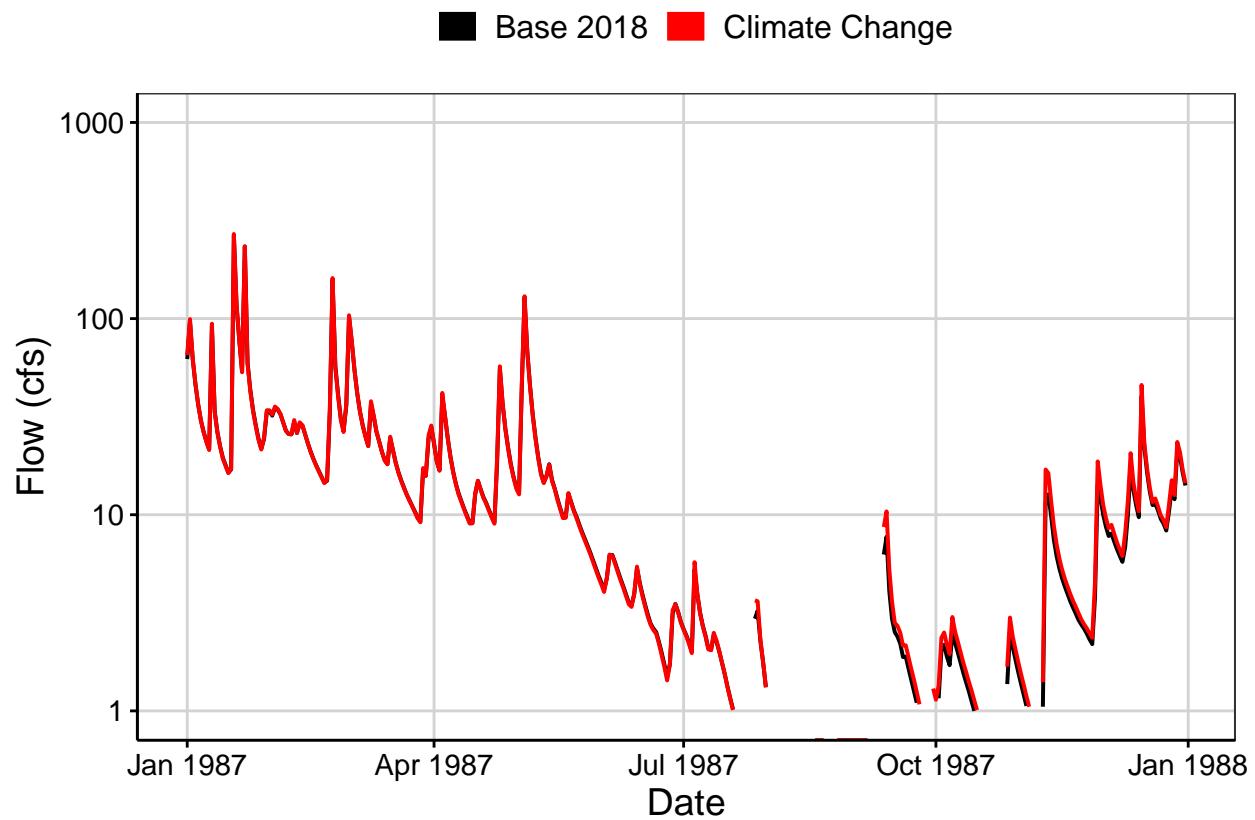


Fig. 3: Flow Exceedance

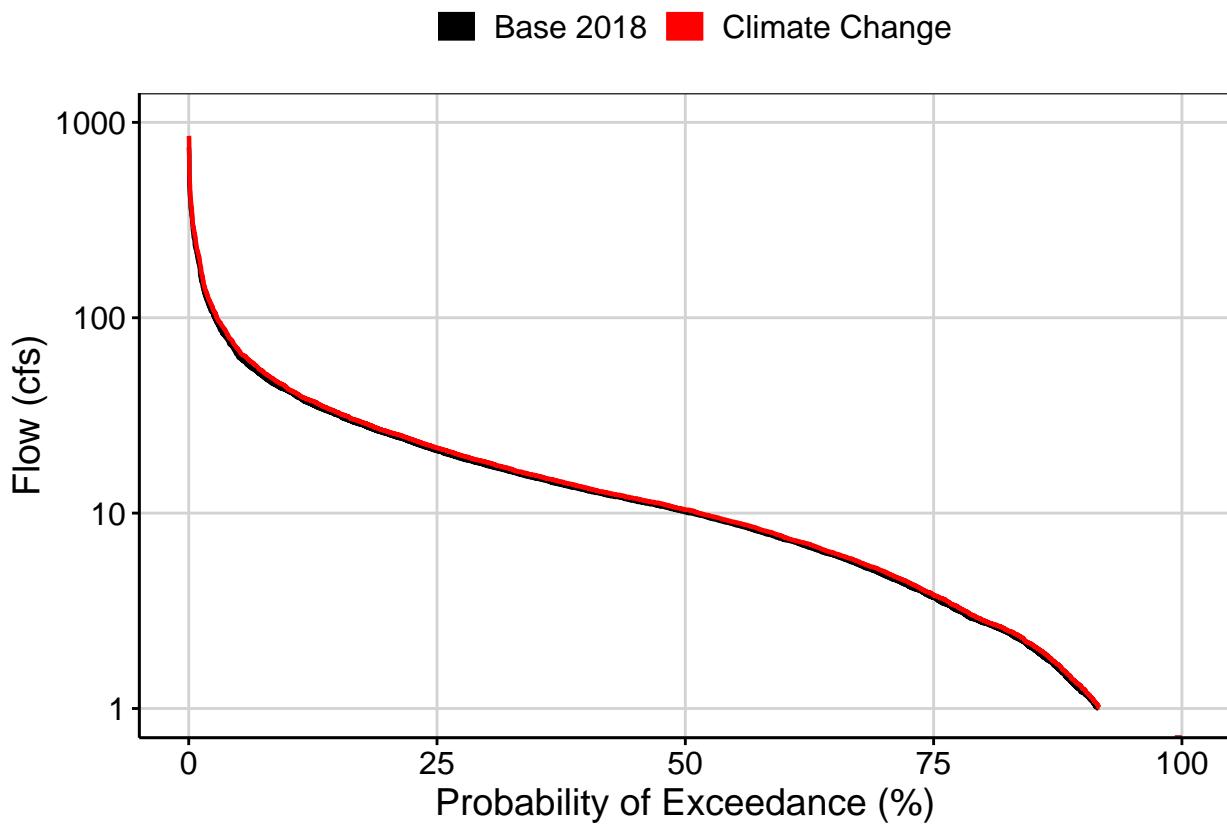
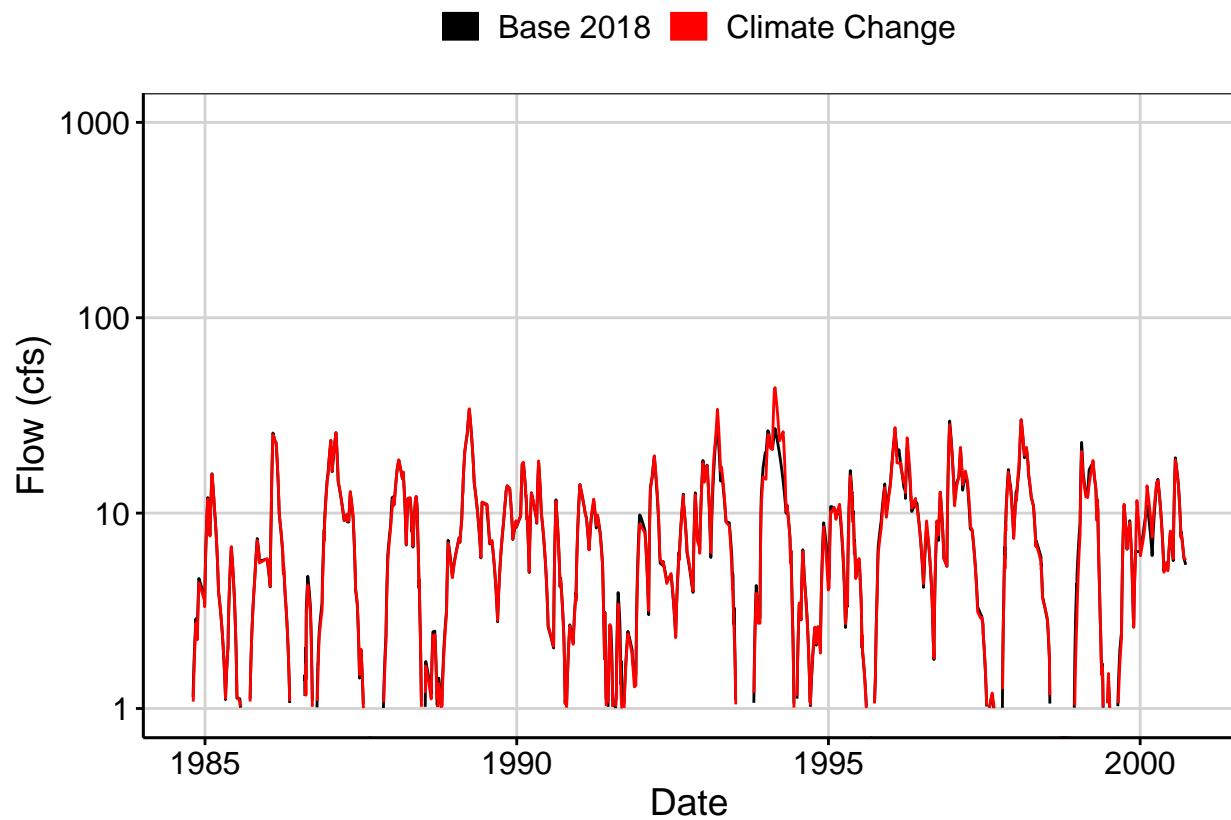


Fig. 4: Baseflow



**Fig. 5: Combined Baseflow**

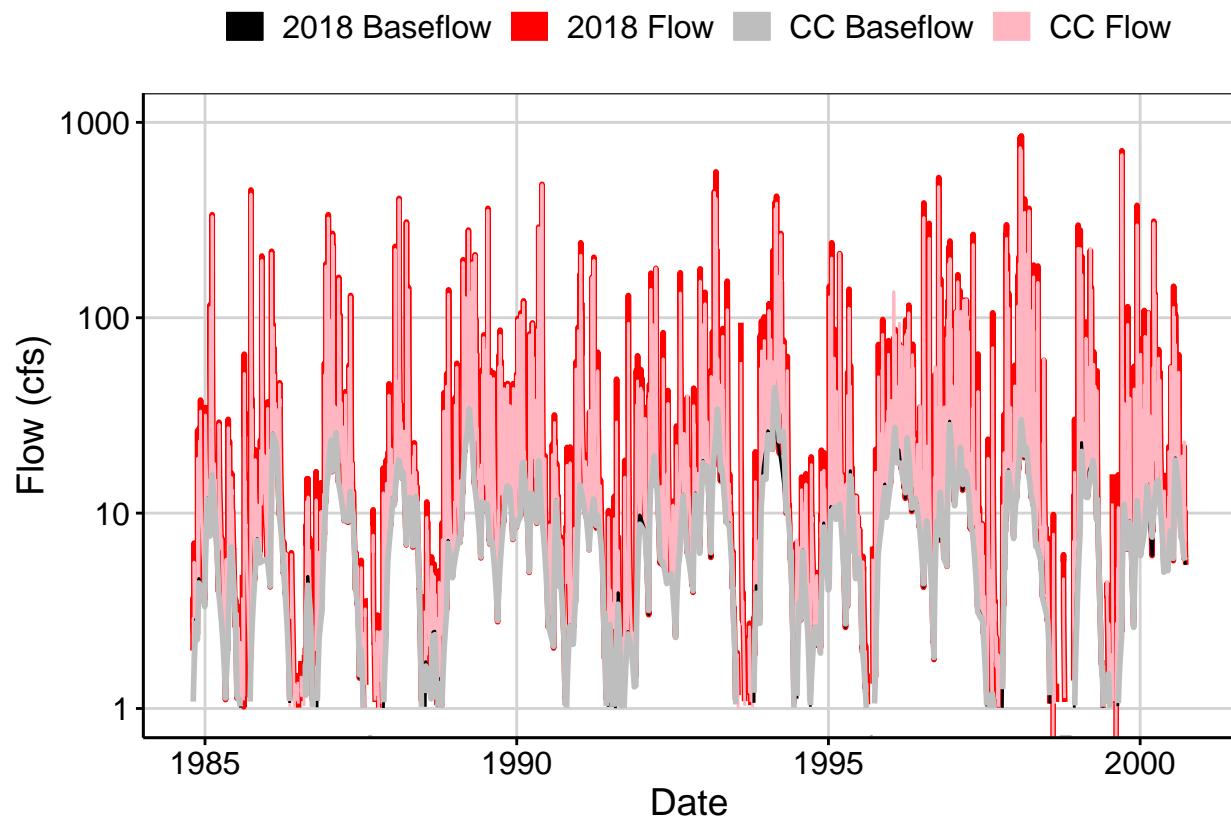


Fig. 6: Largest Difference Segment

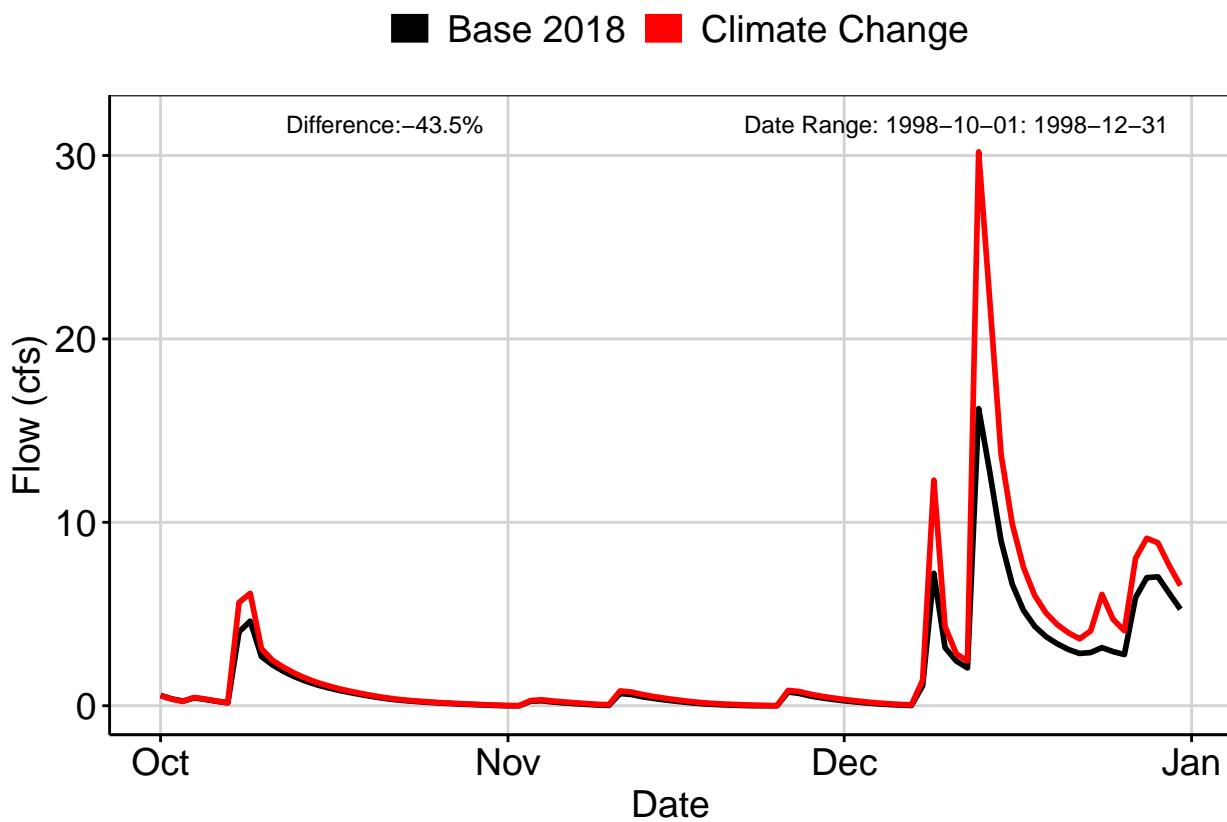


Fig. 7: Second Largest Difference Segment

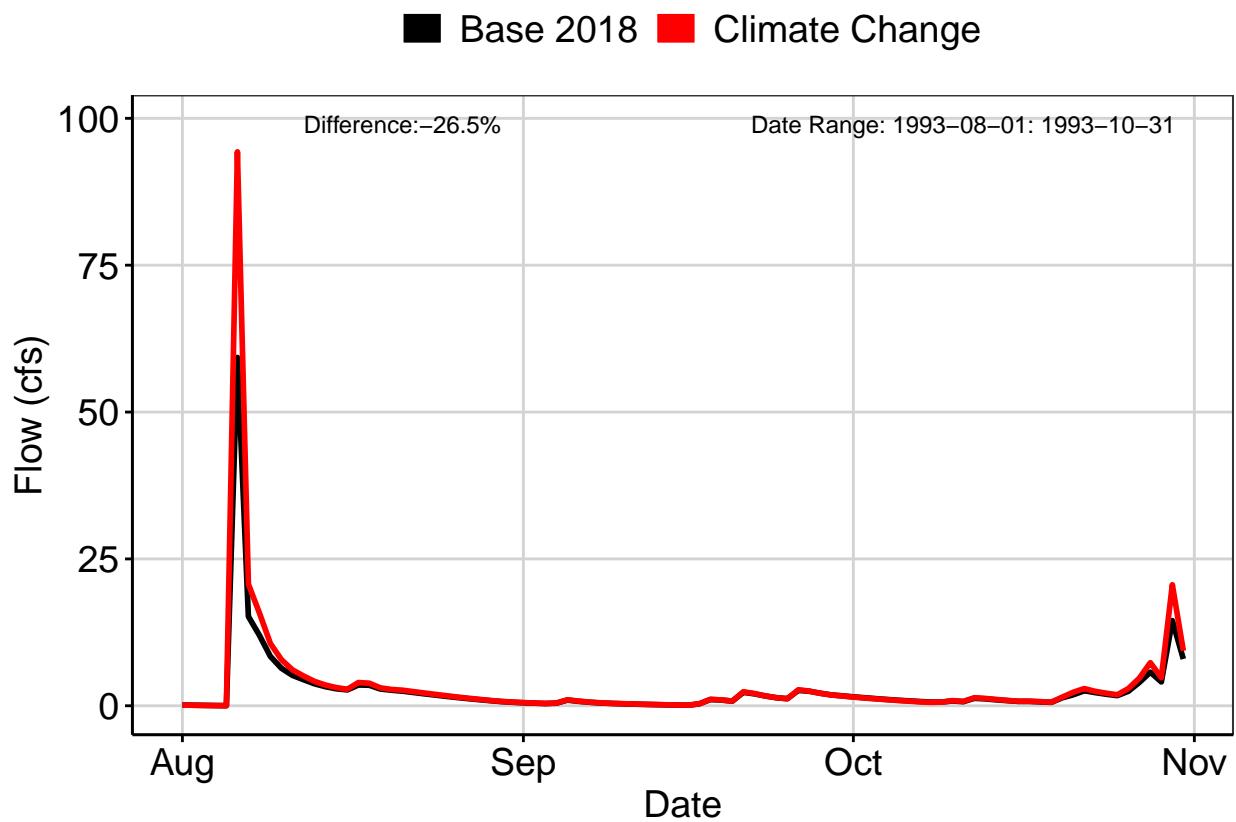


Fig. 8: Third Largest Difference Segment

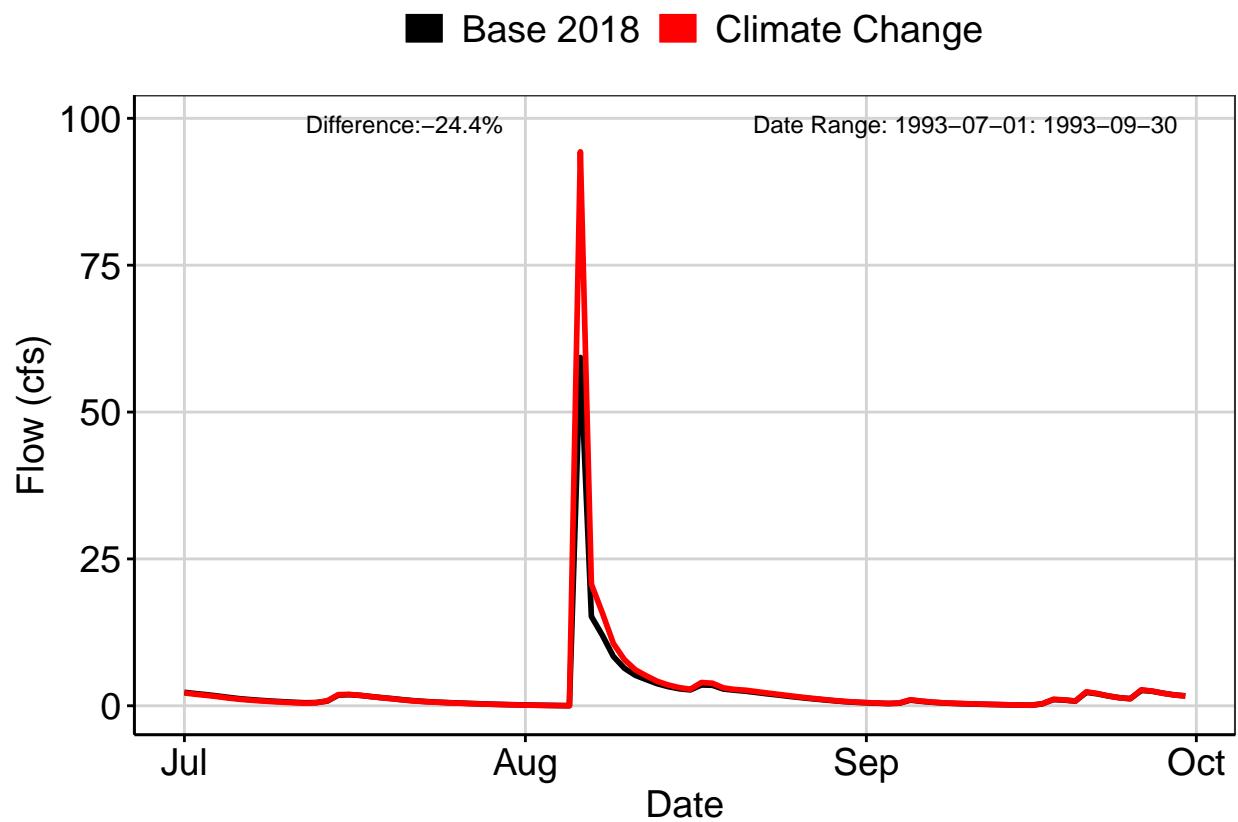


Fig. 9A: Residuals Plot

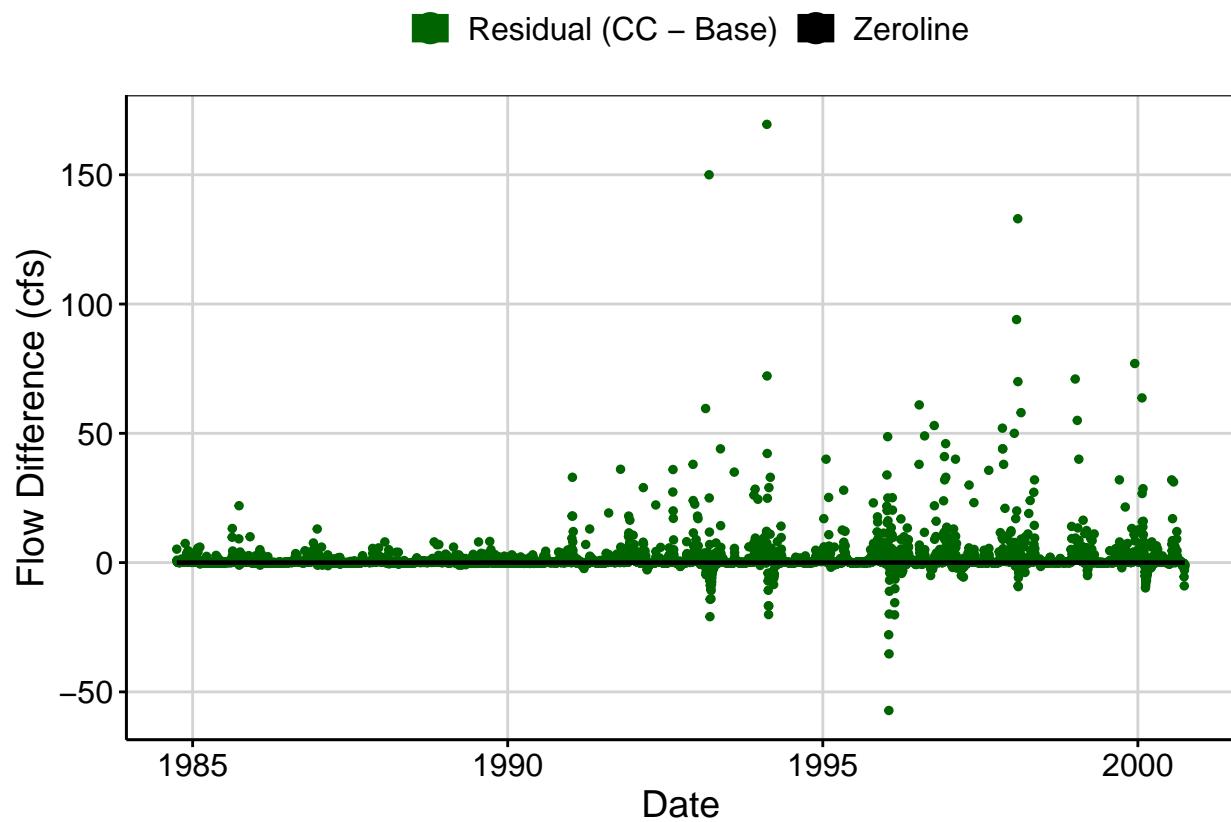


Fig. 9B: Area Weighted Residuals Plot

