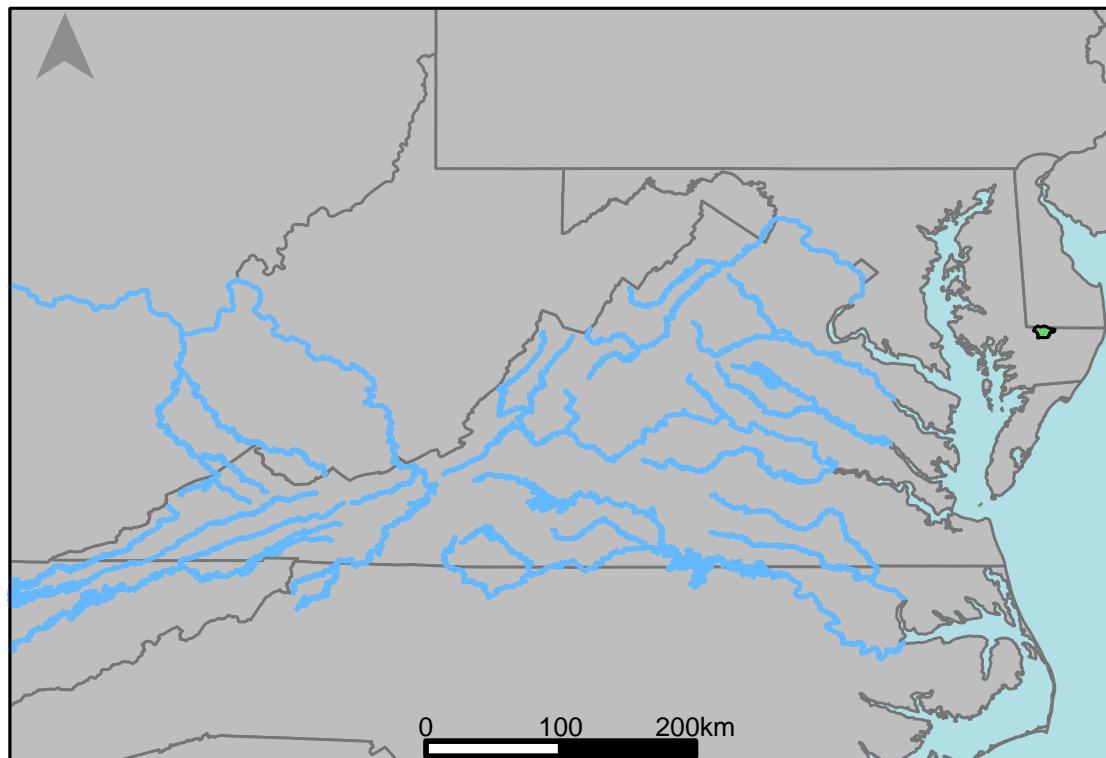


Appendix ##: River Segment: EL0_5400_0001 -
Scenario 1: CFBASE30Y20180615 vs. Scenario 2:
CBASE1808L55CY55R45P50R45P50Y



The average daily discharge change between scenario 1 and scenario 2 for the 20 year timespan was 8.63724%, with 20.6% of its rolling three month time spans above 20% difference.

Table 1: Monthly Low Flows

	Base 2018	Climate Change	Pct. Difference
Jan. Low Flow	4.04	4	-0.99
Feb. Low Flow	8.78	8.43	-3.99
Mar. Low Flow	15.2	15	-1.32
Apr. Low Flow	25.6	24.5	-4.3
May Low Flow	29.8	28.2	-5.37
Jun. Low Flow	24.6	22.7	-7.72
Jul. Low Flow	21	19.6	-6.67
Aug. Low Flow	11.6	10.9	-6.03
Sep. Low Flow	6.9	6	-13.04
Oct. Low Flow	2.01	1.71	-14.93
Nov. Low Flow	2.72	2.38	-12.5
Dec. Low Flow	3.49	3.36	-3.72

Table 2: Monthly Average Flows

	Base 2018	Climate Change	Pct. Difference
Overall Mean Flow	52.1	56.6	8.64
Jan. Mean Flow	87	93.7	7.7
Feb. Mean Flow	88.1	93.3	5.9
Mar. Mean Flow	105	107	1.9
Apr. Mean Flow	60.3	62.7	3.98
May Mean Flow	43.9	47.7	8.66
Jun. Mean Flow	22.6	24.1	6.64
Jul. Mean Flow	24.5	29	18.37
Aug. Mean Flow	32.8	39.6	20.73
Sep. Mean Flow	35.6	39.4	10.67
Oct. Mean Flow	31.4	36.2	15.29
Nov. Mean Flow	37.1	42.4	14.29
Dec. Mean Flow	57.7	65.5	13.52

Table 3: Monthly High Flows

	Base 2018	Climate Change	Pct. Difference
Jan. High Flow	112	162	44.64
Feb. High Flow	166	217	30.72
Mar. High Flow	166	220	32.53
Apr. High Flow	422	488	15.64
May High Flow	304	332	9.21
Jun. High Flow	439	498	13.44
Jul. High Flow	197	224	13.71
Aug. High Flow	159	216	35.85
Sep. High Flow	92.4	112	21.21
Oct. High Flow	92.6	143	54.43
Nov. High Flow	185	268	44.86
Dec. High Flow	118	170	44.07

Table 4: Period Low Flows

	Base 2018	Climate Change	Pct. Difference
Min. 1 Day Min	0	0	-100
Med. 1 Day Min	1.28	1.09	-14.84
Min. 3 Day Min	0.07	0.03	-54.52
Med. 3 Day Min	1.51	1.34	-11.26
Min. 7 Day Min	0.09	0.06	-34.34
Med. 7 Day Min	1.86	1.76	-5.38
Min. 30 Day Min	0.48	0.52	7.71
Med. 30 Day Min	5.43	6.42	18.23
Min. 90 Day Min	3.9	4.59	17.69
Med. 90 Day Min	13.2	16.5	25
7Q10	0.3	0.21	-30.33
Year of 90-Day Min. Flow	1986	1986	0
Drought Year Mean	30.4	32.7	7.57
Mean Baseflow	18.7	17.6	-5.88

Table 5: Period High Flows

	Base 2018	Climate Change	Pct. Difference
Max. 1 Day Max	2550	2830	10.98
Med. 1 Day Max	910	1010	10.99
Max. 3 Day Max	1040	1140	9.62
Med. 3 Day Max	549	599	9.11
Max. 7 Day Max	560	616	10
Med. 7 Day Max	325	358	10.15
Max. 30 Day Max	319	345	8.15
Med. 30 Day Max	144	153	6.25
Max. 90 Day Max	191	204	6.81
Med. 90 Day Max	93.5	97.1	3.85

Table 6: Non-Exceedance Flows

	Base 2018	Climate Change	Pct. Difference
1% Non-Exceedance	0.77	0.64	-16.69
5% Non-Exceedance	2.08	1.88	-9.62
50% Non-Exceedance	27	27.5	1.85
95% Non-Exceedance	172	192	11.63
99% Non-Exceedance	469	525	11.94
Sept. 10% Non-Exceedance	2.21	2.15	-2.71

Fig. 1: Hydrograph

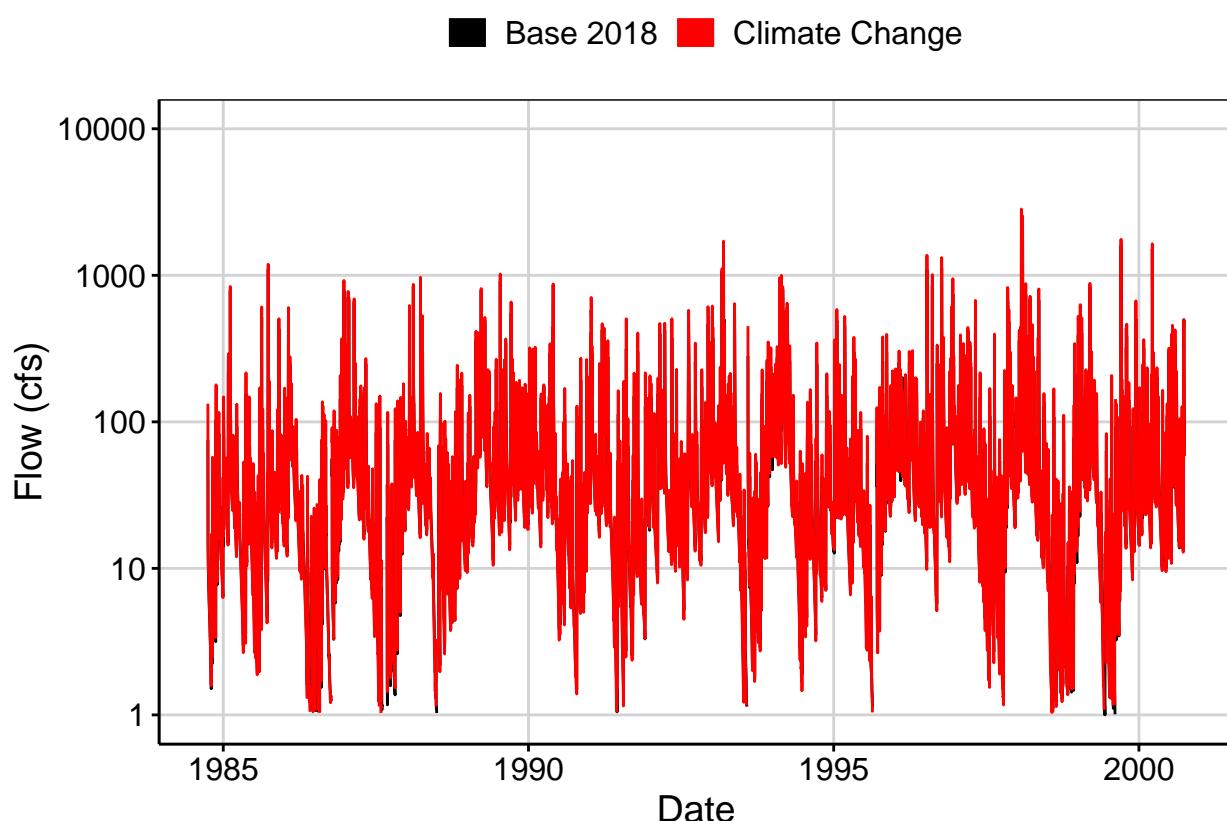


Fig. 2: Zoomed Hydrograph

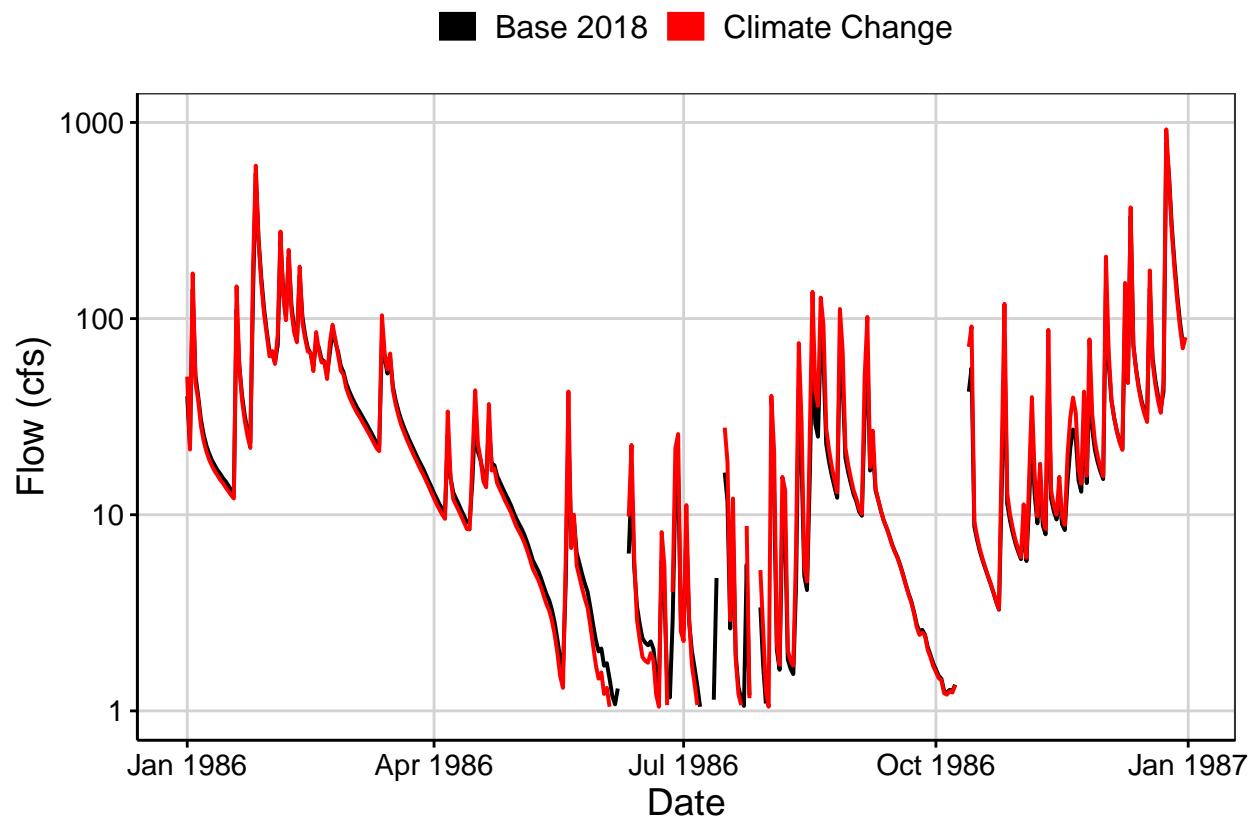


Fig. 3: Flow Exceedance

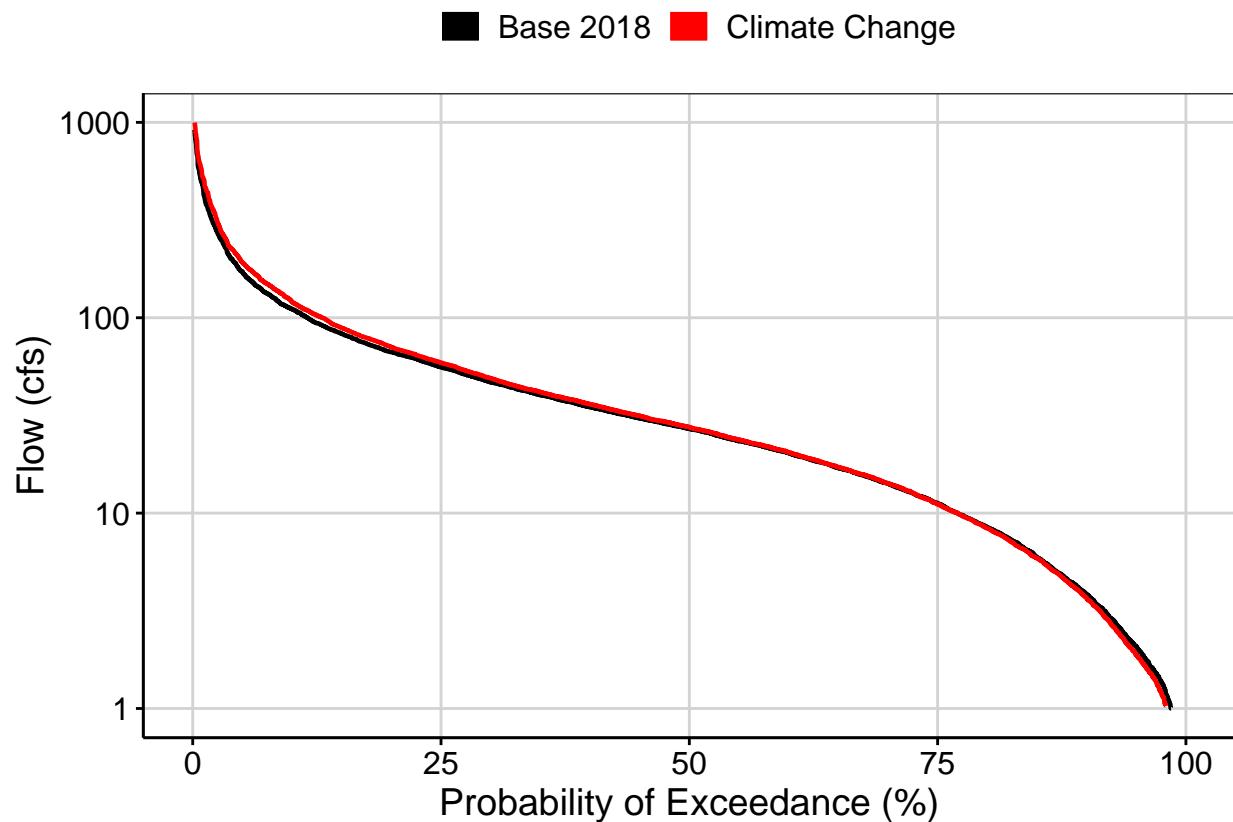


Fig. 4: Baseflow

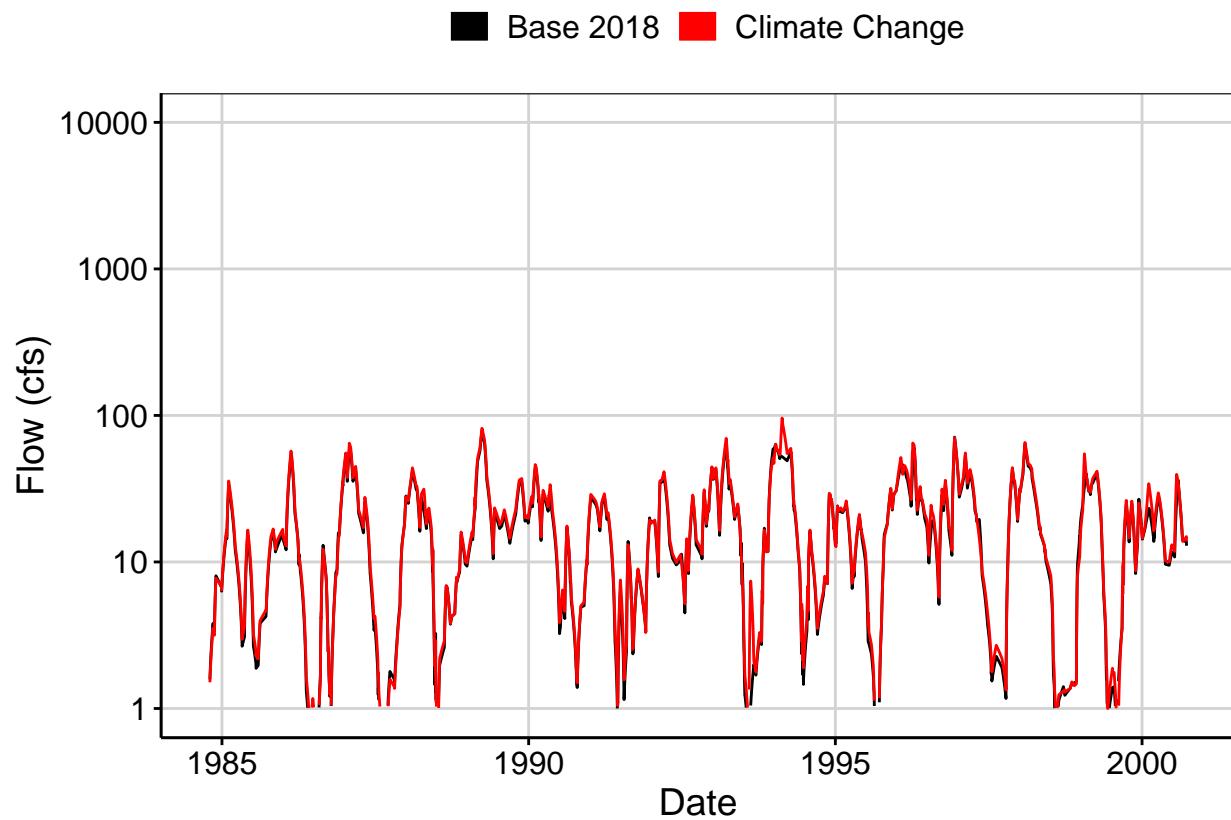


Fig. 5: Combined Baseflow

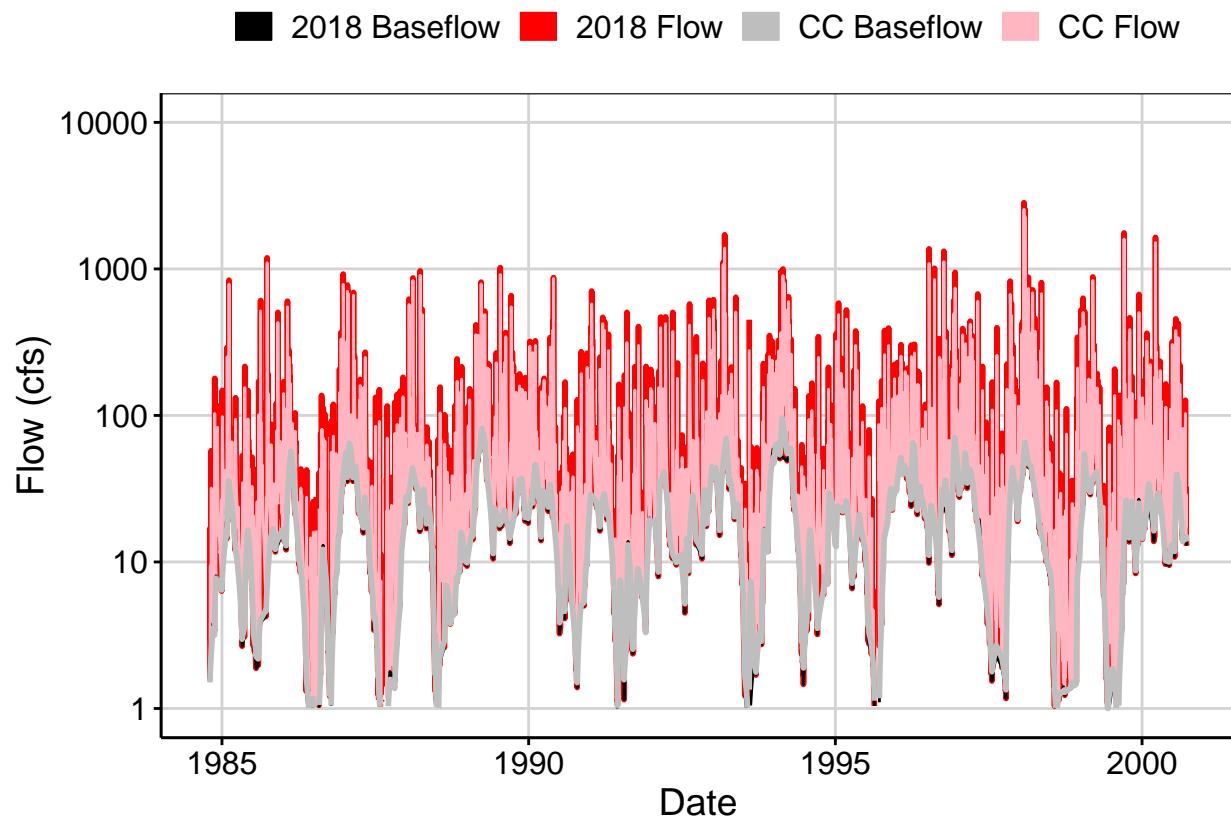


Fig. 6: Largest Difference Segment

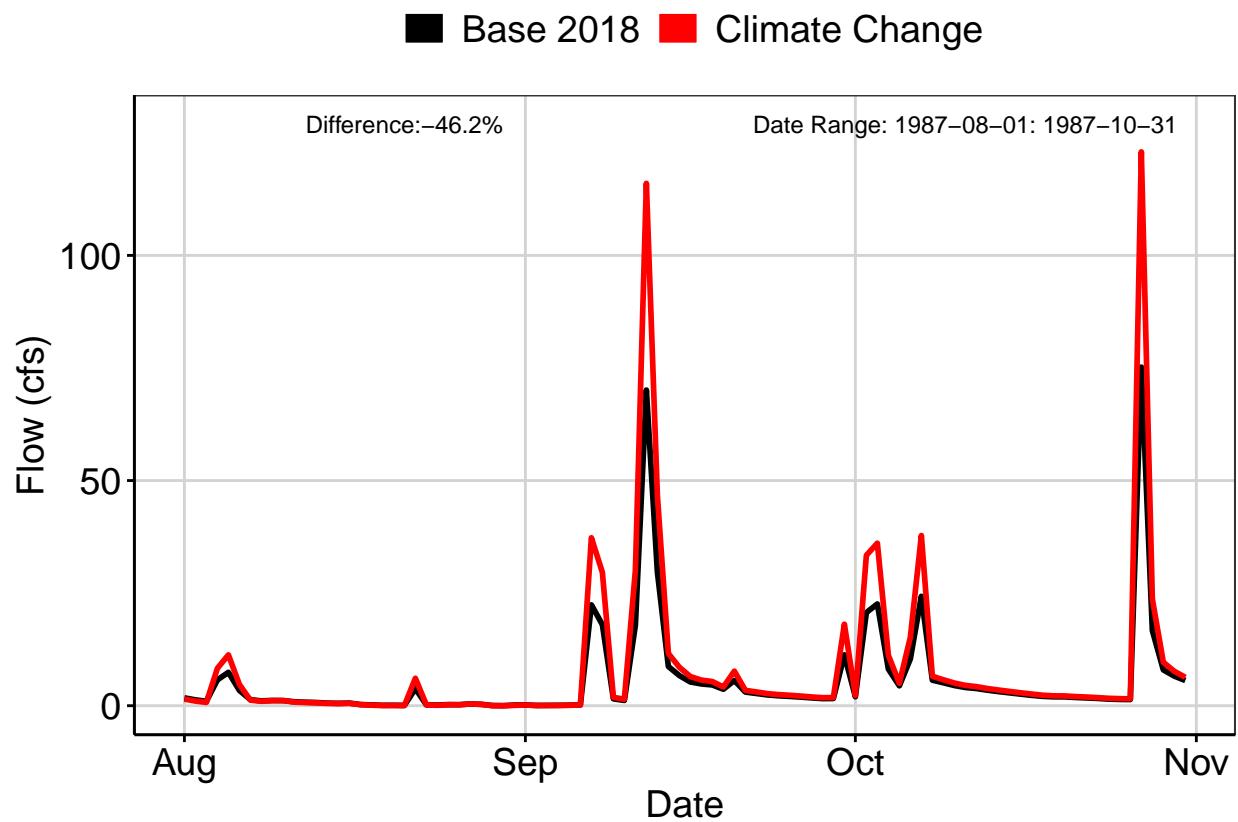


Fig. 7: Second Largest Difference Segment

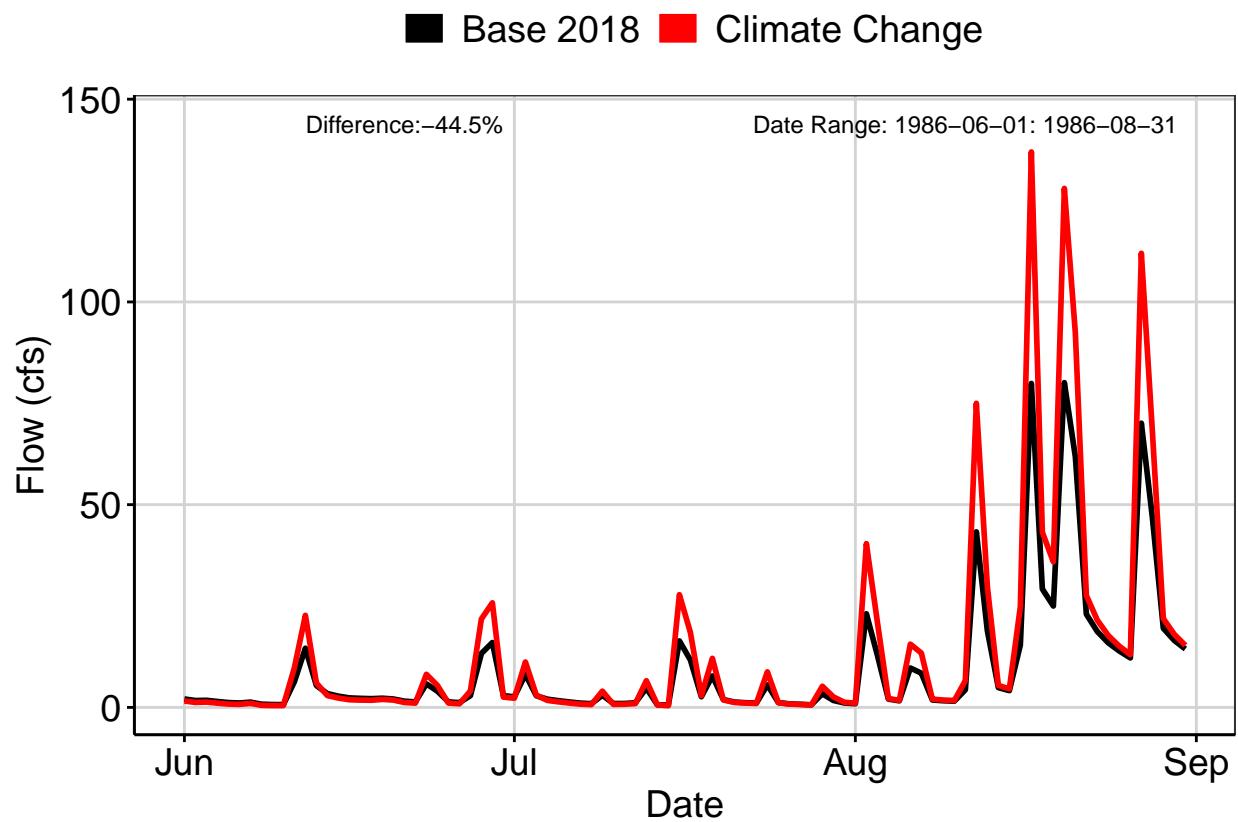


Fig. 8: Third Largest Difference Segment

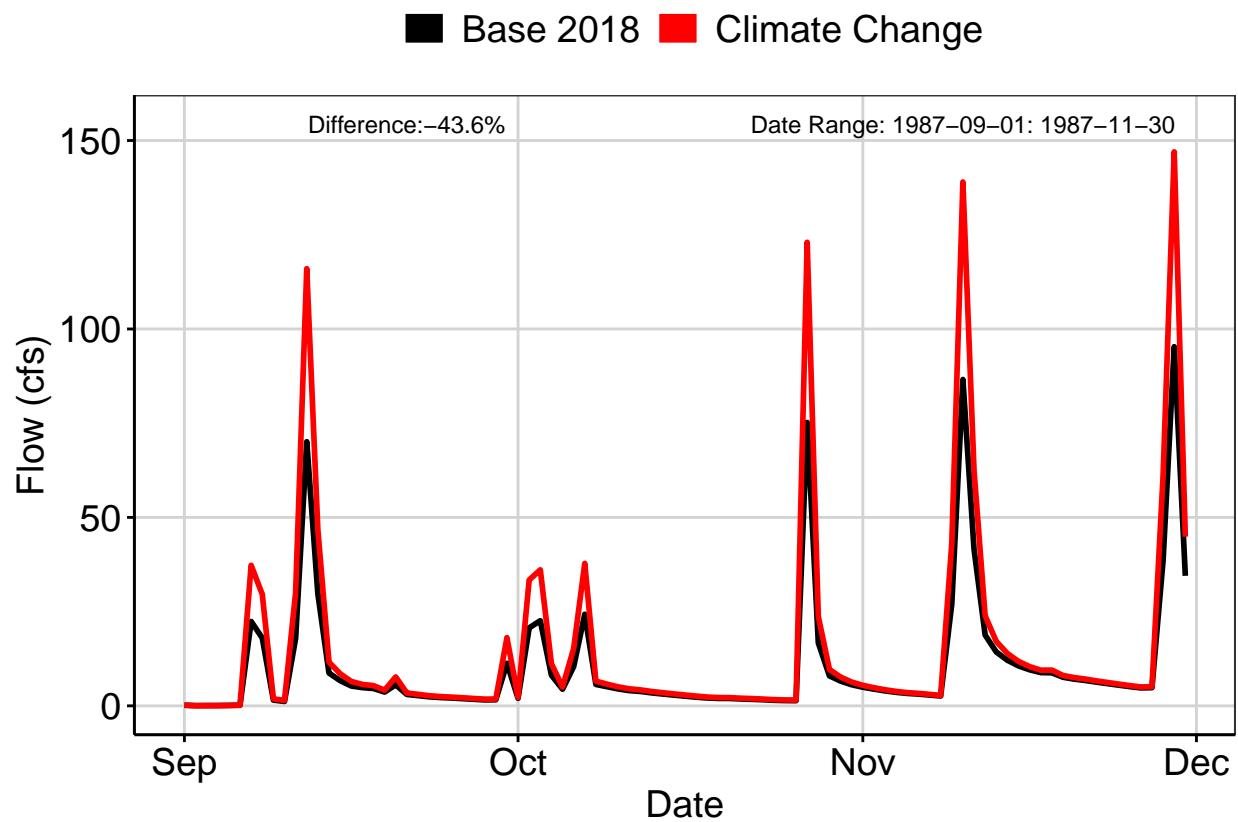


Fig. 9A: Residuals Plot

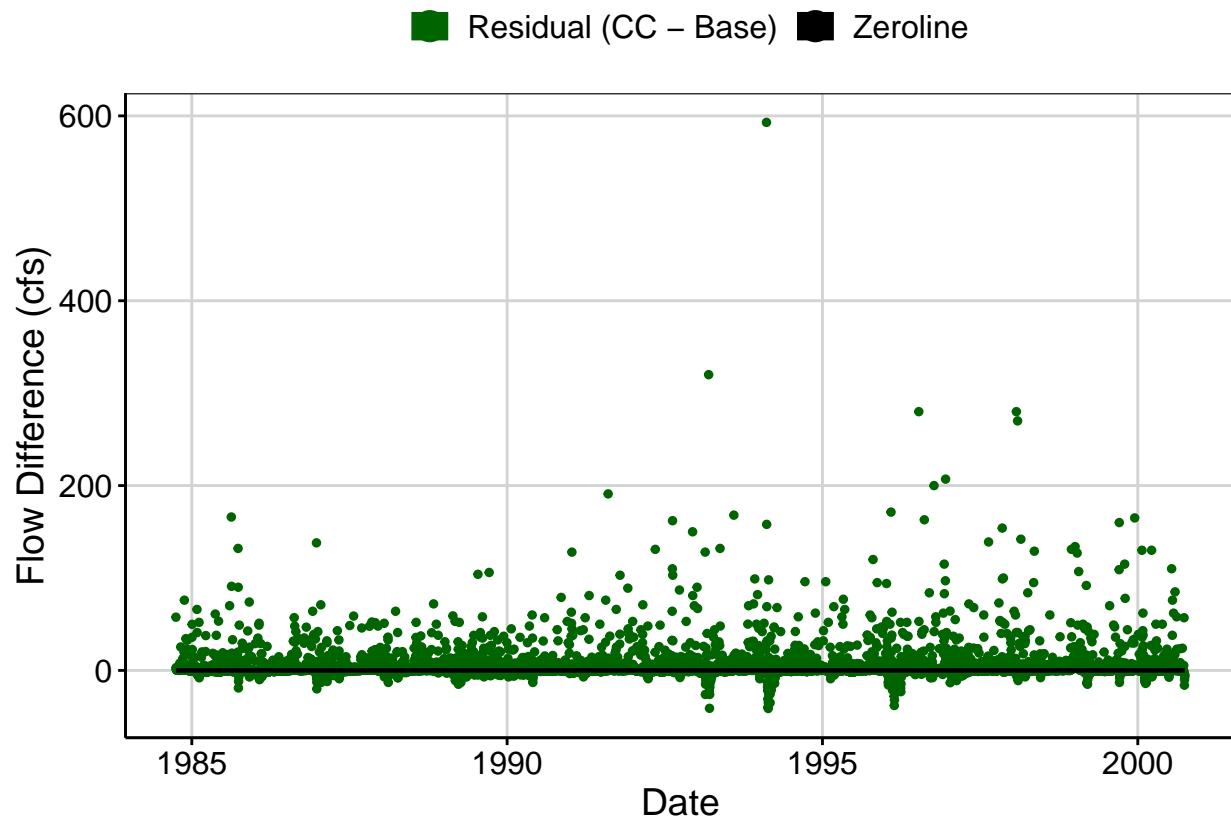


Fig. 9B: Area Weighted Residuals Plot

