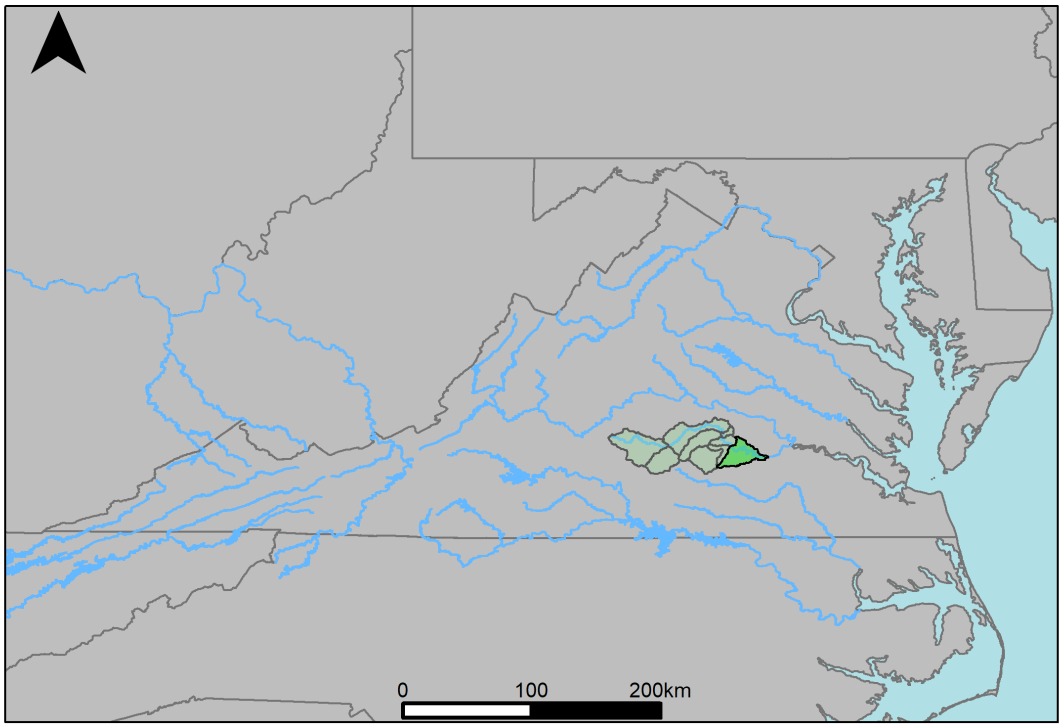
River Segment JA5_7480_0001: VA Hydro Run 120 vs. VA Hydro Run 121



The average daily discharge change between scenario 1 and scenario 2 for the 20 year timespan was 6.95716%, with 3.33% of its rolling three month time spans above 20% difference.

Table 1: Monthly Low Flows

	Scen. 1	Scen. 2	Pct. Difference
Jan. Low Flow	136	153	13
Feb. Low Flow	202	220	8.92
Mar. Low Flow	422	464	9.87
Apr. Low Flow	717	735	2.52
May Low Flow	948	975	2.88
Jun. Low Flow	948	982	3.67
Jul. Low Flow	651	663	1.75
Aug. Low Flow	429	449	4.81
Sep. Low Flow	234	241	2.93
Oct. Low Flow	143	147	3.03
Nov. Low Flow	127	135	6.54
Dec. Low Flow	114	117	2.64

Table 2: Monthly Average Flows

	Scen. 1	Scen. 2	Pct. Difference
Overall Mean Flow	1090	1160	6.96
Jan. Mean Flow	1620	1770	8.99
Feb. Mean Flow	2070	2210	6.58
Mar. Mean Flow	2380	2460	3.3
Apr. Mean Flow	1750	1830	4.64
May Mean Flow	1070	1130	5.56
Jun. Mean Flow	596	619	3.81
Jul. Mean Flow	332	356	7.07
Aug. Mean Flow	331	364	9.83
Sep. Mean Flow	482	557	15.5
Oct. Mean Flow	568	632	11.3
Nov. Mean Flow	764	831	8.79
Dec. Mean Flow	1150	1270	10.9

Table 3: Monthly High Flows

	Scen. 1	Scen. 2	Pct. Difference
Jan. High Flow	631	735	16.6
Feb. High Flow	951	1030	8.55
Mar. High Flow	1480	1720	16.6
Apr. High Flow	3220	3270	1.59
May High Flow	3000	3310	10.4
Jun. High Flow	3550	3690	3.95
Jul. High Flow	3190	3700	16
Aug. High Flow	1960	2210	12.5
Sep. High Flow	711	743	4.46
Oct. High Flow	424	450	6.04
Nov. High Flow	546	616	12.9
Dec. High Flow	455	476	4.45

Table 4: Period Low Flows

	Scen. 1	Scen. 2	Pct. Difference
Min. 1 Day Min	32.8	35.1	6.85
Med. 1 Day Min	87.7	89.7	2.27
Min. 3 Day Min	33.9	36.2	6.95
Med. 3 Day Min	89.4	94.6	5.81
Min. 7 Day Min	36	38.6	7.08
Med. 7 Day Min	99.1	102	2.62
Min. 30 Day Min	48.2	50.5	4.71
Med. 30 Day Min	123	132	7.18
Min. 90 Day Min	85.7	92.4	7.74
Med. 90 Day Min	240	253	5.18
7Q10	54	56.3	4.35
Year of 90-Day Min. Flow	2000	2000	0
Drought Year Mean	605	713	17.8
Mean Baseflow	606	634	4.58

Table 5: Period High Flows

	Scen. 1	Scen. 2	Pct. Difference
Max. 1 Day Max	19200	20400	6.4
Med. 1 Day Max	8090	8760	8.28
Max. 3 Day Max	17300	18400	5.97
Med. 3 Day Max	7600	8180	7.61
Max. 7 Day Max	12800	13500	5.12
Med. 7 Day Max	6150	6420	4.48
Max. 30 Day Max	7480	8190	9.46
Med. 30 Day Max	2920	3080	5.59
Max. 90 Day Max	5580	6030	7.97
Med. 90 Day Max	1990	2030	1.58

Table 6: Non-Exceedance Flows

	Scen. 1	Scen. 2	Pct. Difference
1% Non-Exceedance	59.2	61.6	4.08
5% Non-Exceedance	98.7	103	4.43
50% Non-Exceedance	635	675	6.38
95% Non-Exceedance	3600	3850	7.05
99% Non-Exceedance	7820	8430	7.82
Sept. 10% Non-Exceedance	91.7	95.9	4.57

Fig. 1: Hydrograph

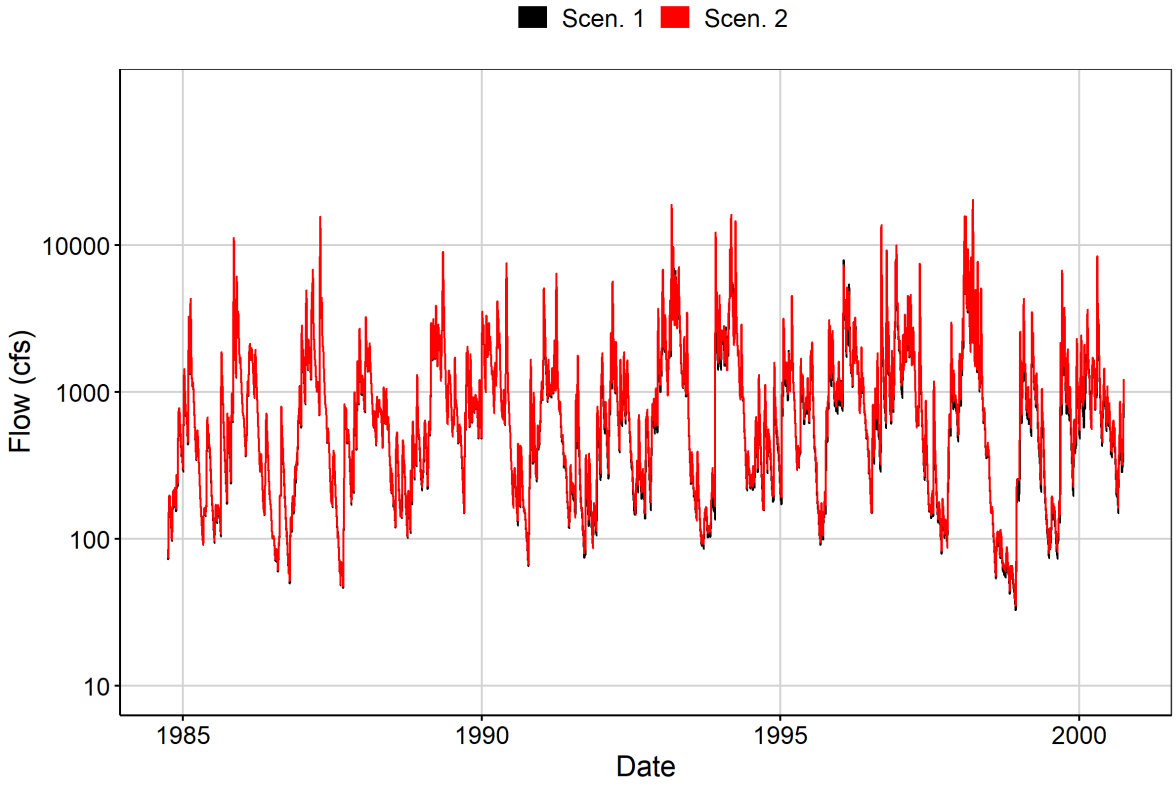


Fig. 2: Zoomed Hydrograph

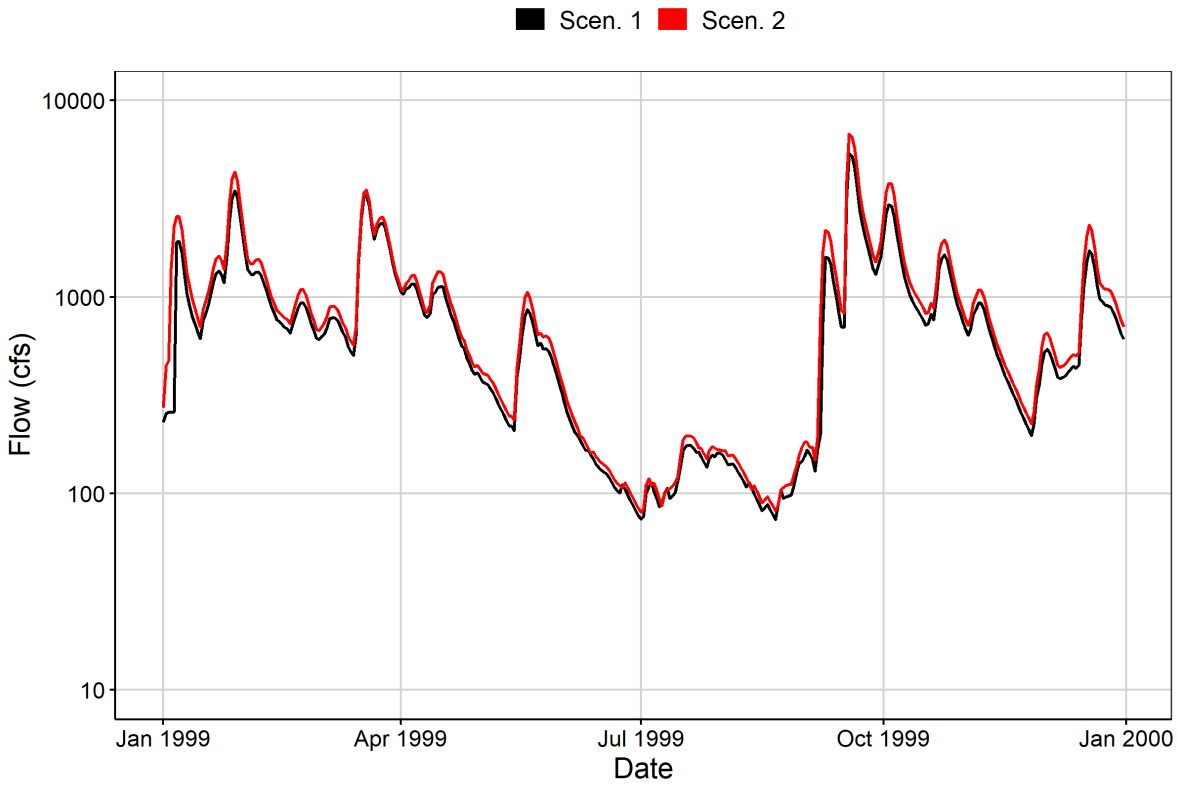


Fig. 3: Flow Exceedance

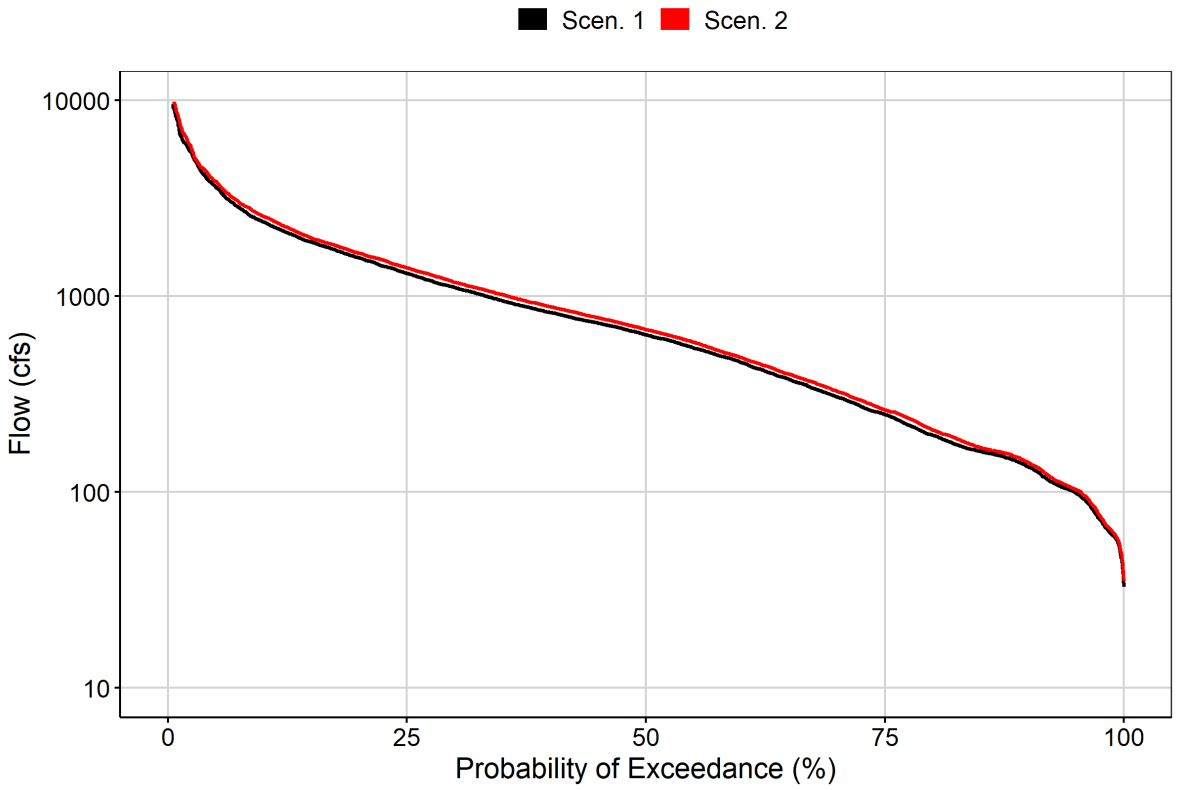


Fig. 4: Baseflow

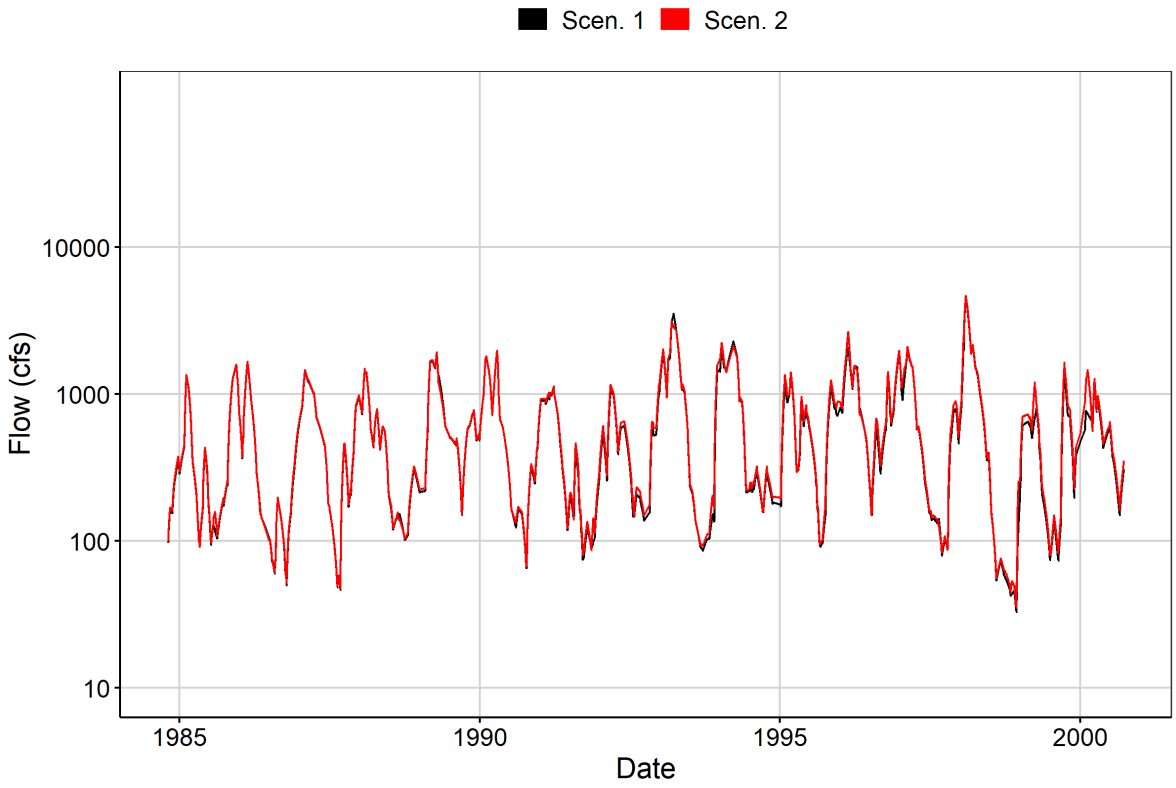


Fig. 5: Combined Baseflow

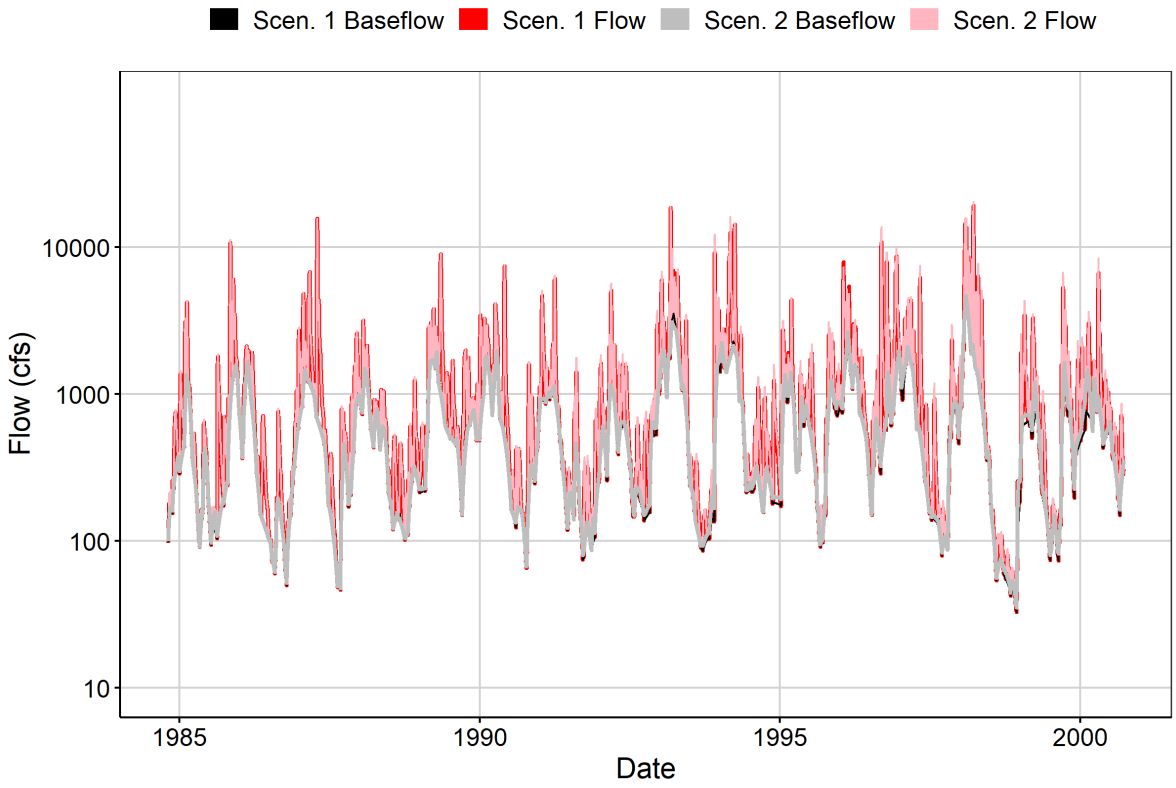


Fig. 6: Largest Difference Period

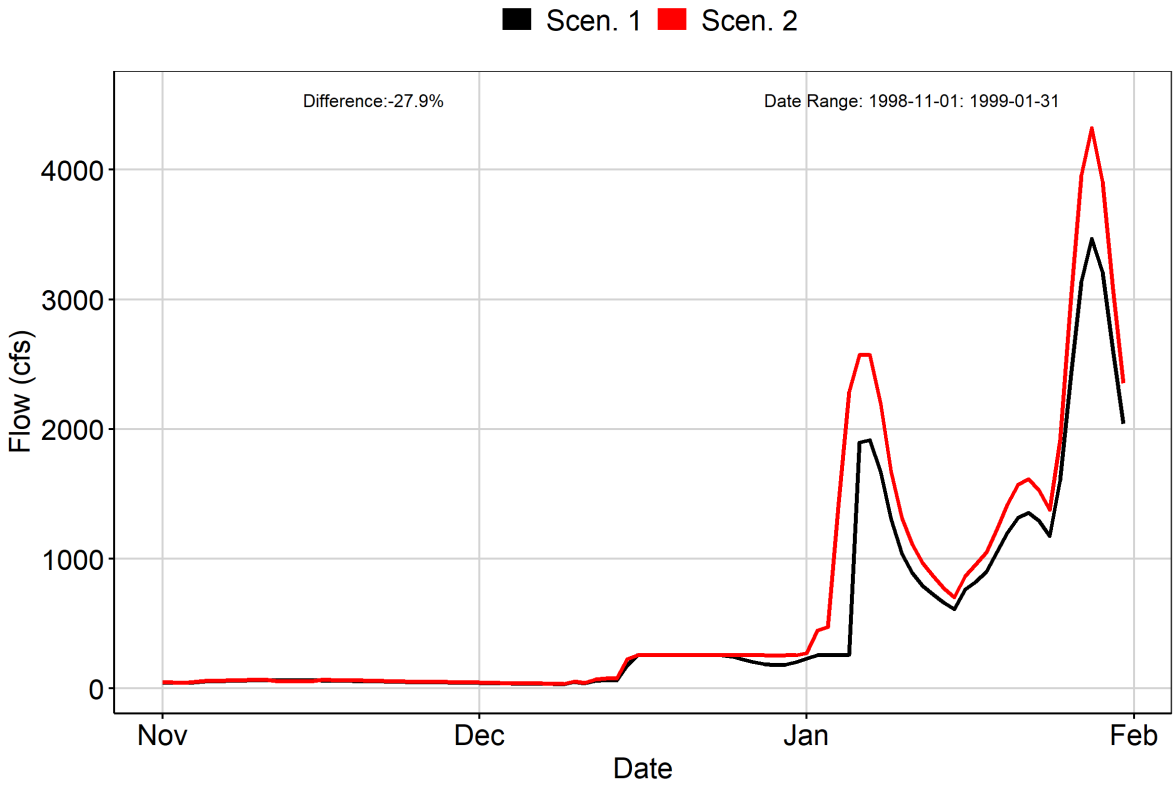


Fig. 7: Second Largest Difference Period

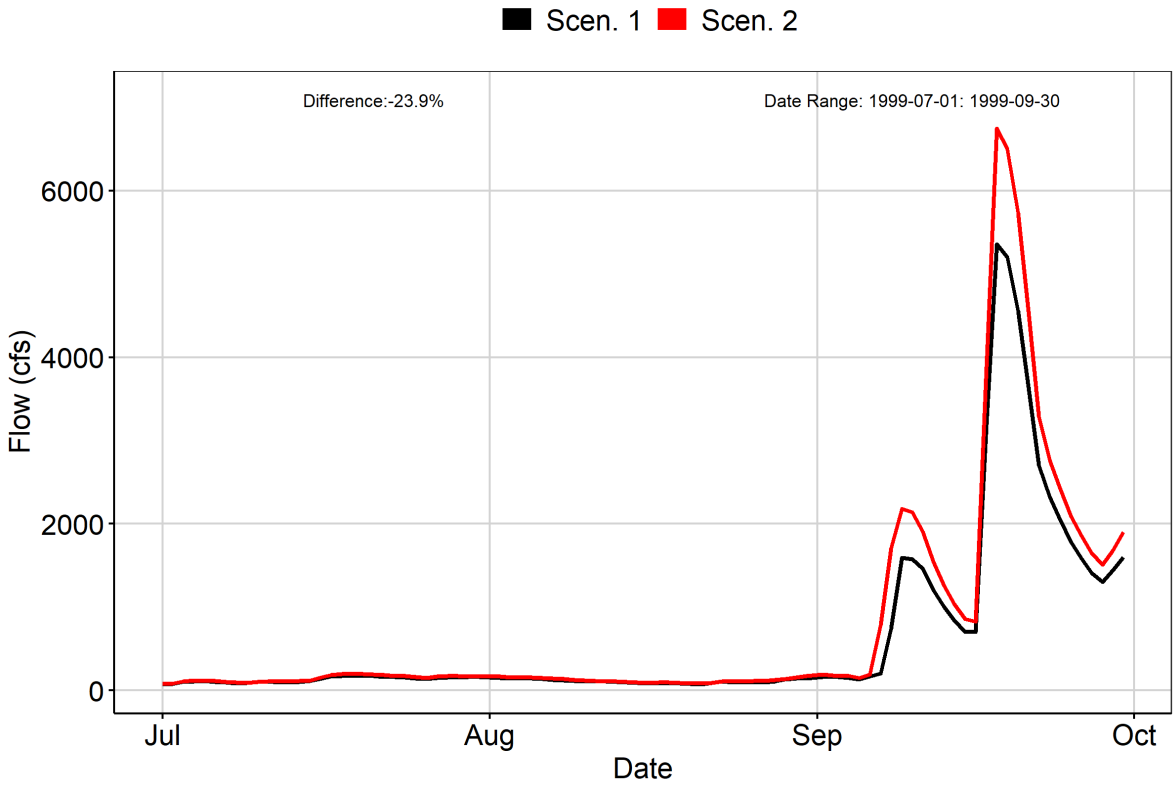


Fig. 8: Third Largest Difference Period

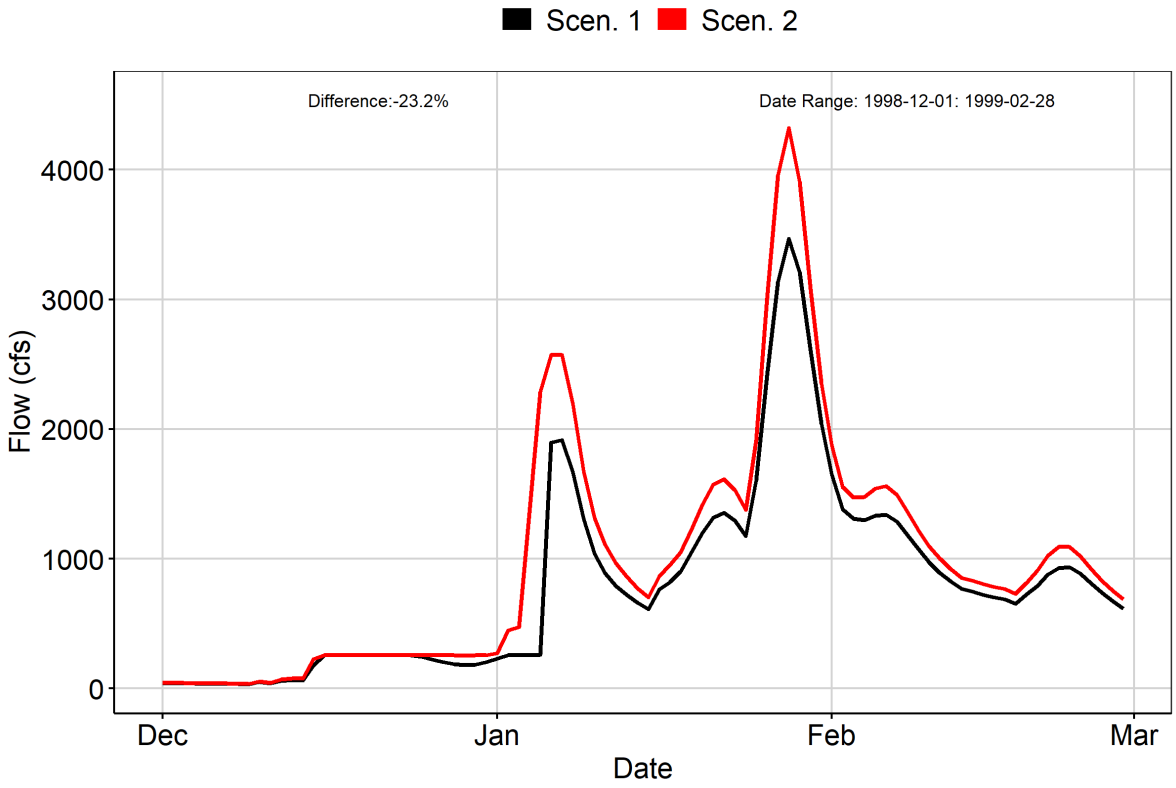


Fig. 9A: Residuals Plot

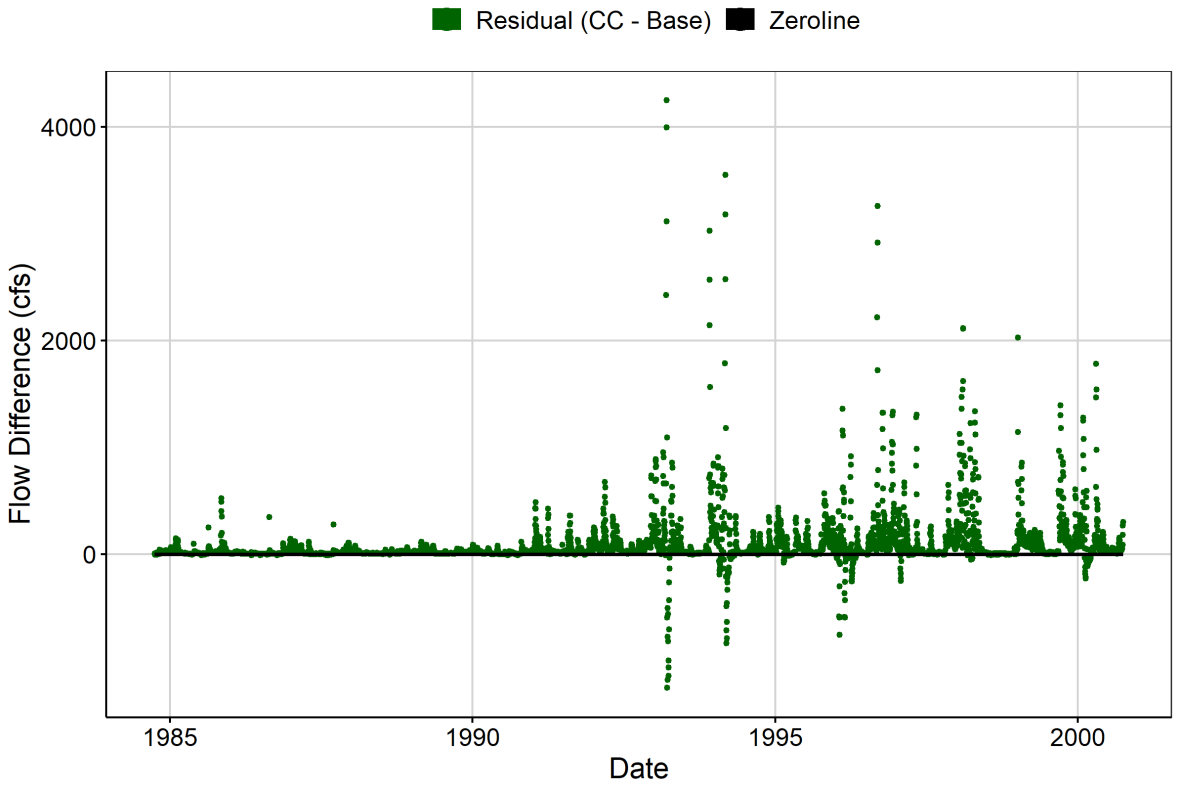


Fig. 9B: Area Weighted Residuals Plot

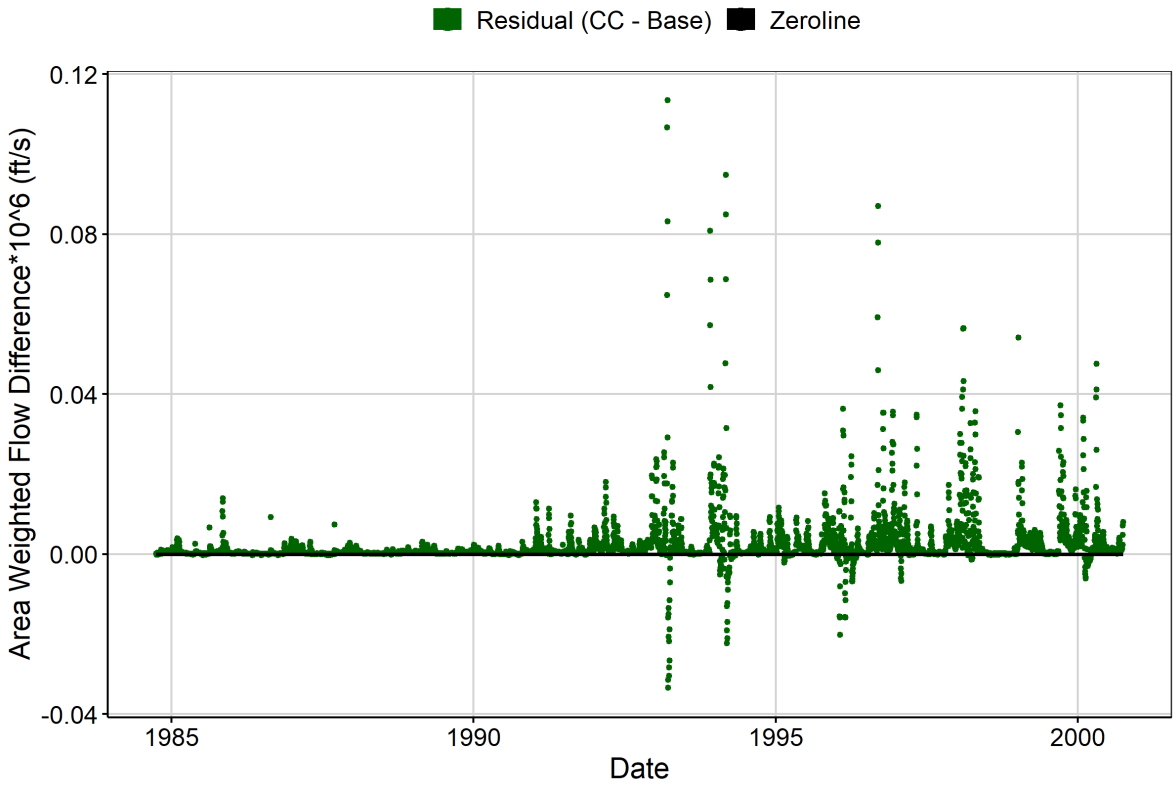
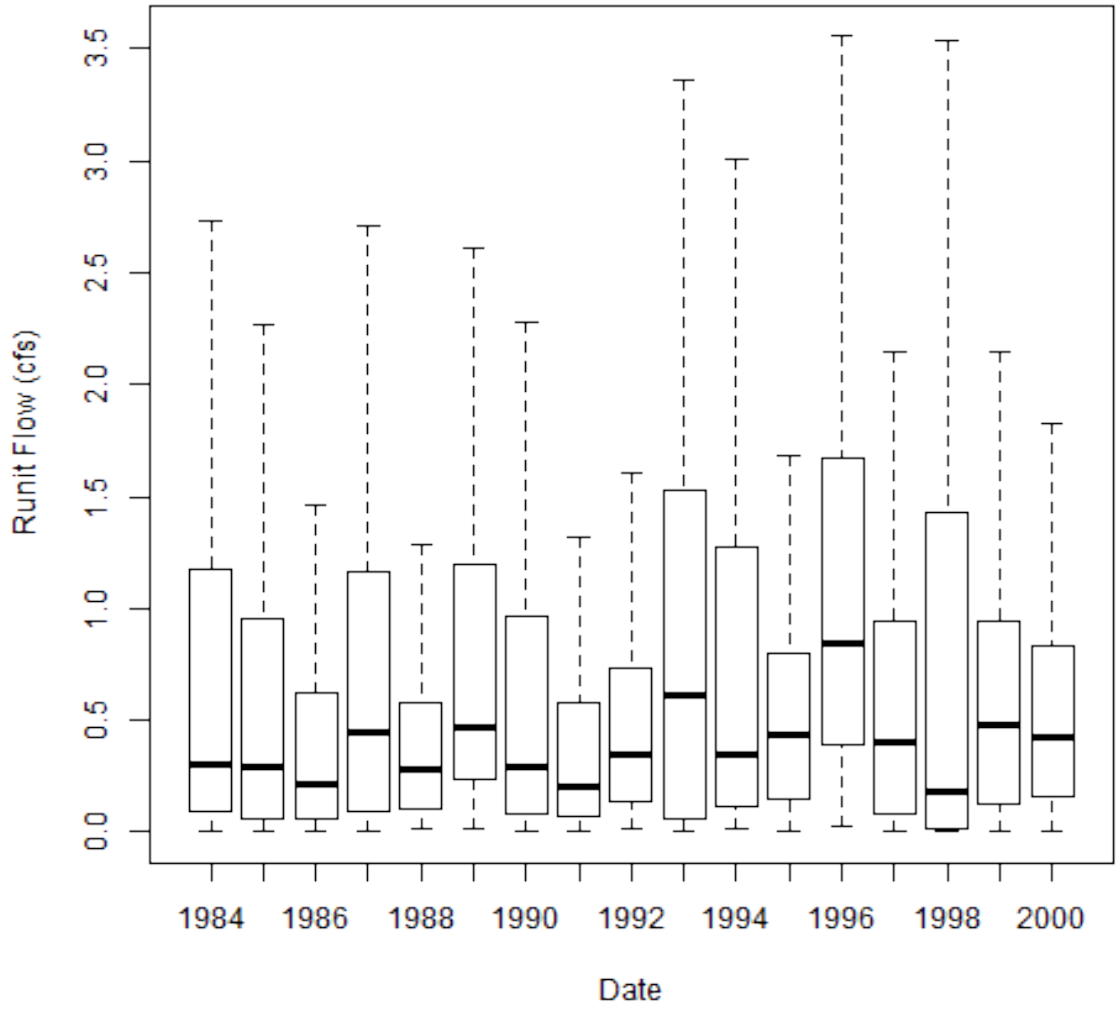


Fig. 10: VA Hydro Scen. 1 Runit Values (Outliers Excluded)



Tab: Annual IQR of Local Runoff Inflows

	IQR of Runit Flows (cfs/sq. mi) [25th, 75th]
1984	1.08 [0.0883, 1.17]
1985	0.888 [0.0603, 0.948]
1986	0.56 [0.0623, 0.622]
1987	1.06 [0.0959, 1.16]
1988	0.48 [0.0998, 0.58]
1989	0.965 [0.235, 1.2]
1990	0.884 [0.082, 0.966]
1991	0.508 [0.0648, 0.573]

	IQR of Runit Flows (cfs/sq. mi) [25th, 75th]
1992	0.595 [0.138, 0.733]
1993	1.47 [0.0637, 1.53]
1994	1.15 [0.116, 1.27]
1995	0.643 [0.151, 0.794]
1996	1.27 [0.391, 1.66]
1997	0.868 [0.0754, 0.943]
1998	1.42 [0.0141, 1.43]
1999	0.822 [0.12, 0.942]
2000	0.671 [0.161, 0.832]

Fig. 11: Smallest Difference Period

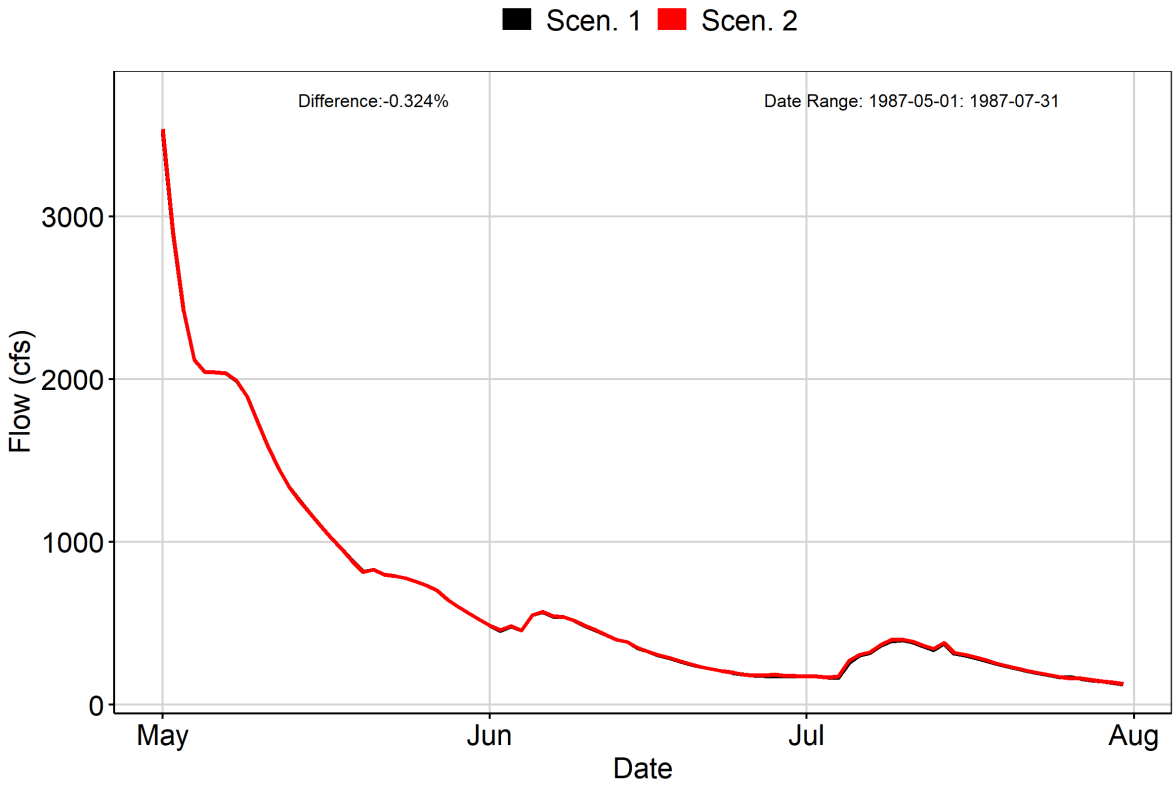


Fig. 12: Second Smallest Difference Period

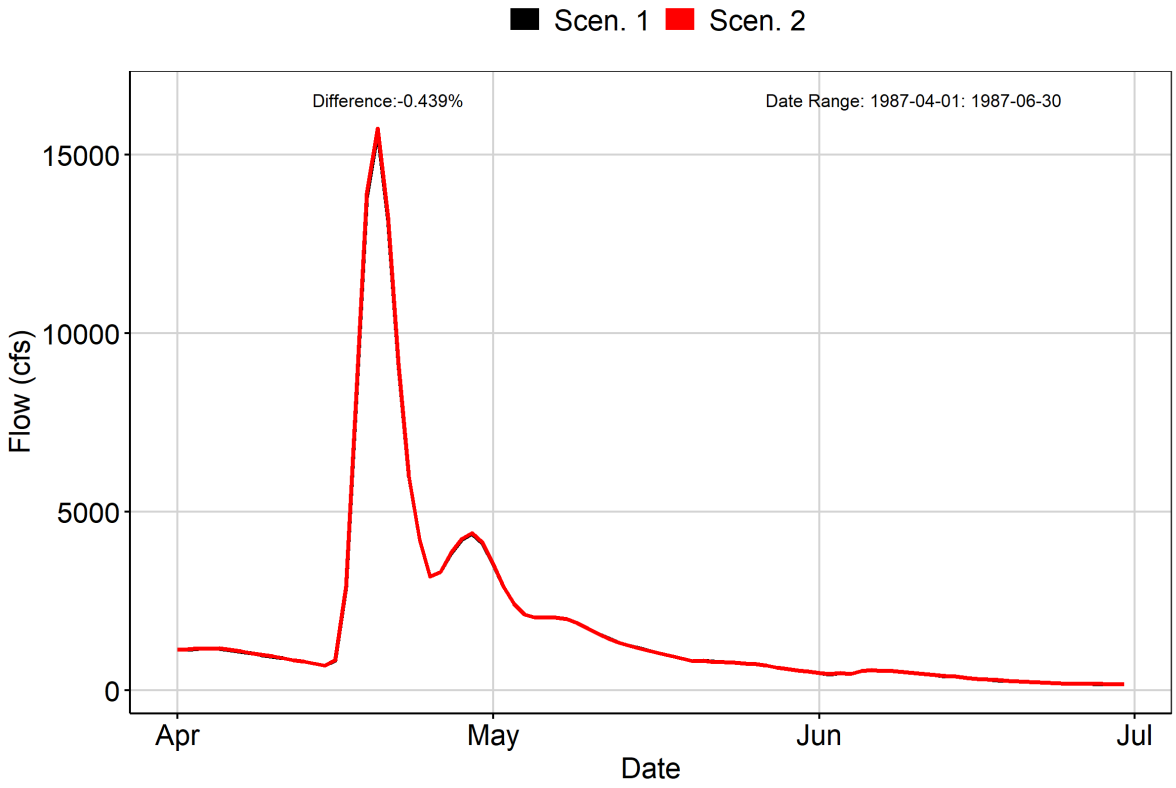
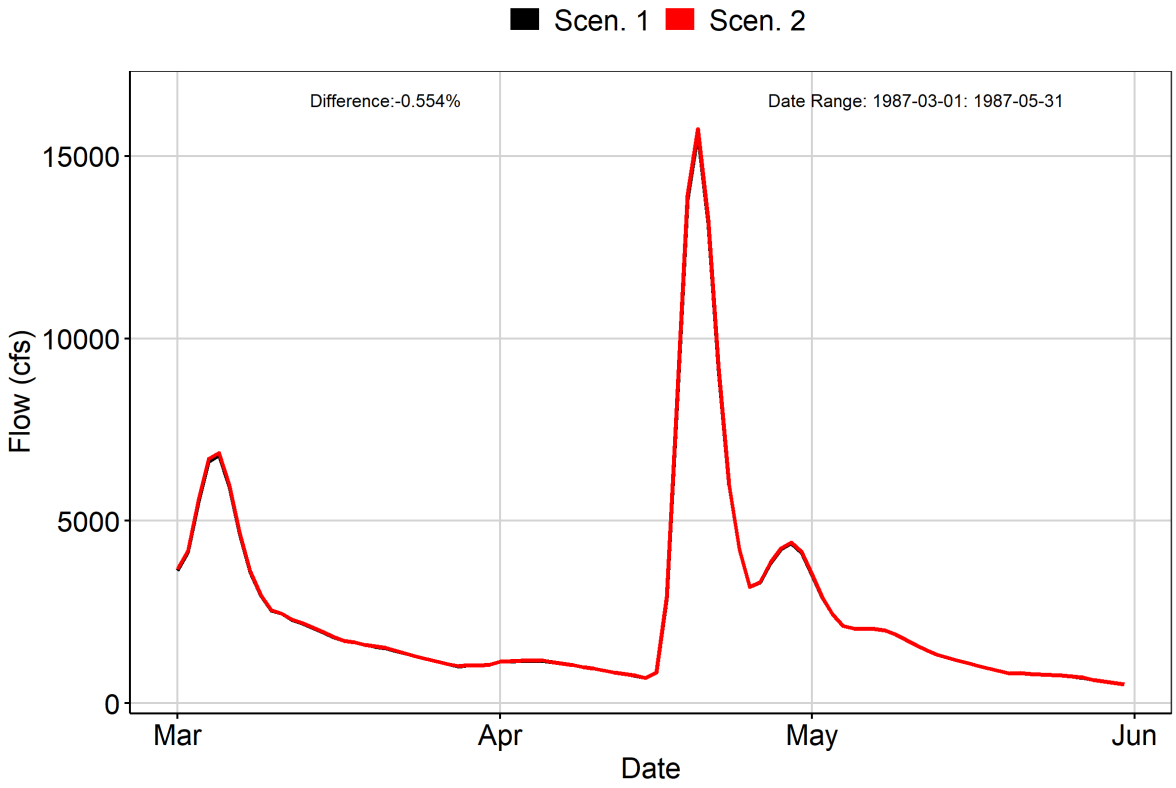


Fig. 13: Third Smallest Difference Period



Additional Tables: Land-River Segment Flow Metrics

Tab: Mean Flows by Flow Type: LR-Seg cbp6_N51007_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
SURface Outflow	0.00143
InterFloW Outflow	0.000262
Active GroundWater Outflow	0.000452

Tab: Ratio of Zero-Flow Days by Flow Type: LR-Seg cbp6_N51007_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
SURface Outflow	0.716
InterFloW Outflow	0.501
Active GroundWater Outflow	0.326

Tab: IQR for SURface Outflow: LR-Seg cbp6_N51007_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	2.88e-06 [0, 2.88e-06]
1985	0 [0, 0]
1986	2.38e-06 [0, 2.38e-06]
1987	3.4e-06 [0, 3.4e-06]
1988	0 [0, 0]
1989	1.7e-05 [0, 1.7e-05]
1990	1.17e-09 [0, 1.17e-09]
1991	0 [0, 0]
1992	2.55e-06 [0, 2.55e-06]
1993	6.91e-06 [0, 6.91e-06]
1994	5.33e-06 [0, 5.33e-06]
1995	1.21e-06 [0, 1.21e-06]
1996	2.82e-05 [0, 2.82e-05]
1997	3.76e-09 [0, 3.76e-09]
1998	0 [0, 0]
1999	0 [0, 0]
2000	4.6e-06 [0, 4.6e-06]

Tab: IQR for InterFloW Outflow: LR-Seg cbp6_N51007_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	2.57e-05 [0, 2.57e-05]
1985	1.36e-05 [0, 1.36e-05]
1986	1.59e-05 [0, 1.59e-05]
1987	5.42e-05 [0, 5.42e-05]
1988	2.43e-05 [0, 2.43e-05]
1989	0.000105 [0, 0.000105]
1990	3.3e-05 [0, 3.3e-05]
1991	1.56e-05 [0, 1.56e-05]
1992	3.34e-05 [0, 3.34e-05]
1993	0.000131 [0, 0.000131]
1994	7.26e-05 [0, 7.26e-05]
1995	7.29e-05 [0, 7.29e-05]
1996	0.000228 [0, 0.000228]
1997	6.68e-05 [0, 6.68e-05]
1998	3.28e-05 [0, 3.28e-05]
1999	6.14e-05 [0, 6.14e-05]
2000	5.41e-05 [0, 5.41e-05]

Tab: IQR for Active GroundWater Outflow: LR-Seg cbp6_N51007_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	0.000702 [0, 0.000702]
1985	0.000681 [0, 0.000681]
1986	0.000544 [0, 0.000544]
1987	9e-04 [0, 9e-04]
1988	0.000605 [0, 0.000605]
1989	0.000787 [0, 0.000787]
1990	0.000695 [0, 0.000695]
1991	0.00056 [0, 0.00056]
1992	0.000695 [0, 0.000695]
1993	0.00104 [0, 0.00104]
1994	0.000728 [0, 0.000728]
1995	0.00076 [0, 0.00076]
1996	0.000957 [0, 0.000957]
1997	0.000555 [0, 0.000555]
1998	0.000532 [0, 0.000532]
1999	0.000576 [0, 0.000576]
2000	0.000655 [0, 0.000655]

Tab: Mean Flows by Land Use: LR-Seg cbp6_N51007_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
aop	0.000436
cch	0.000649
cci	0.00117
ccn	0.000669
cfr	0.000372
cir	0.00117
cmo	0.00039
cnr	0.00117
ctg	0.000649
dbl	0.000465
fnp	0.00117
for	0.000372
fsp	0.00117
gom	0.000465
gwm	0.000465
hfr	0.000501
lhy	0.000436
mch	0.000649
mci	0.00117
mcn	0.000669
mir	0.00117
mnr	0.00117
mtg	0.000649
nch	0.000649
nci	0.00117
nir	0.00117
nnr	0.00117
ntg	0.000649
oac	0.000465
ohy	0.000436
osp	0.00039
pas	0.000436
sch	0.000465
scl	0.000465
sgg	0.000465
sho	0.00117
som	0.000465
soy	0.000465
stb	0.00117
stf	0.00117
swm	0.000465
wfp	0.000372
wto	0.000372

Tab: Ratio of Zero-Flow Days by Land Use: LR-Seg cbp6_N51007_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
aop	0.325
cch	0.317
cci	0.908
ccn	0.306
cfr	0.357
cir	0.908
cmo	0.339
cnr	0.908
ctg	0.317
dbl	0.318
fnp	0.907
for	0.357
fsp	0.907
gom	0.318
gwm	0.318
hfr	0.308
lhy	0.324
mch	0.317
mci	0.908
mcn	0.306
mir	0.908
mnr	0.908
mtg	0.317
nch	0.317
nci	0.908
nir	0.908
nnr	0.908
ntg	0.317
oac	0.318
ohy	0.324
osp	0.34
pas	0.324
sch	0.318
scl	0.318
sgg	0.318
sho	0.908
som	0.318
soy	0.318
stb	0.908
stf	0.908
swm	0.318
wfp	0.357
wto	0.357

Tab: Mean Flows by Flow Type: LR-Seg cbp6_N51053_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
SURface Outflow	0.00127
InterFloW Outflow	0.000216
Active GroundWater Outflow	0.000703

Tab: Ratio of Zero-Flow Days by Flow Type: LR-Seg cbp6_N51053_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
SURface Outflow	0.673
InterFloW Outflow	0.335
Active GroundWater Outflow	0.423

Tab: IQR for SURface Outflow: LR-Seg cbp6_N51053_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	9.21e-07 [0, 9.21e-07]
1985	8.84e-09 [0, 8.84e-09]
1986	5.37e-07 [0, 5.37e-07]
1987	4.83e-07 [0, 4.83e-07]
1988	7.64e-08 [0, 7.64e-08]
1989	7.63e-06 [0, 7.63e-06]
1990	1.05e-07 [0, 1.05e-07]
1991	1.8e-09 [0, 1.8e-09]
1992	4.18e-07 [0, 4.18e-07]
1993	2.43e-06 [0, 2.43e-06]
1994	1.39e-06 [0, 1.39e-06]
1995	6.9e-08 [0, 6.9e-08]
1996	1.1e-05 [0, 1.1e-05]
1997	8.74e-09 [0, 8.74e-09]
1998	1.46e-07 [0, 1.46e-07]
1999	5.33e-09 [0, 5.33e-09]
2000	1.81e-06 [0, 1.81e-06]

Tab: IQR for InterFloW Outflow: LR-Seg cbp6_N51053_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	3.49e-05 [0, 3.49e-05]
1985	5.76e-05 [0, 5.76e-05]
1986	3.24e-05 [0, 3.24e-05]
1987	0.000117 [0, 0.000117]
1988	2.95e-05 [0, 2.95e-05]
1989	0.000155 [0, 0.000155]
1990	8.12e-05 [0, 8.12e-05]
1991	3.07e-05 [0, 3.07e-05]
1992	3.79e-05 [0, 3.79e-05]
1993	0.000173 [0, 0.000173]
1994	0.000106 [0, 0.000106]
1995	6.43e-05 [0, 6.43e-05]
1996	0.000444 [0, 0.000444]
1997	0.00023 [0, 0.00023]
1998	0.000296 [0, 0.000296]
1999	0.000226 [0, 0.000226]
2000	0.00014 [0, 0.00014]

Tab: IQR for Active GroundWater Outflow: LR-Seg cbp6_N51053_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	0.00133 [0, 0.00133]
1985	0.00122 [0, 0.00122]
1986	0.000877 [0, 0.000877]
1987	0.00146 [0, 0.00146]
1988	0.00092 [0, 0.00092]
1989	0.00131 [0, 0.00131]
1990	0.00115 [0, 0.00115]
1991	0.000838 [0, 0.000838]
1992	0.00113 [0, 0.00113]
1993	0.00168 [0, 0.00168]
1994	0.00119 [0, 0.00119]
1995	0.00111 [0, 0.00111]
1996	0.00175 [0, 0.00175]
1997	0.00103 [0, 0.00103]
1998	0.00106 [0, 0.00106]
1999	0.00115 [0, 0.00115]
2000	0.00107 [0, 0.00107]

Tab: Mean Flows by Land Use: LR-Seg cbp6_N51053_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
aop	0.000458
cch	0.000655
cci	0.00117
ccn	0.000708
cfr	0.000376
cir	0.00117
cmo	0.00042
cnr	0.00117
ctg	0.000655
dbl	0.0005
fnp	0.00117
for	0.000376
fsp	0.00117
gom	0.0005
gwm	0.0005
hfr	0.0005
lhy	0.000458
mch	0.000655
mci	0.00117
mcn	0.000708
mir	0.00117
mnr	0.00117
mtg	0.000655
nch	0.000655
nci	0.00117
nir	0.00117
nnr	0.00117
ntg	0.000655
oac	0.0005
ohy	0.000458
osp	0.00042
pas	0.000458
sch	0.0005
scl	0.0005
sgg	0.0005
sho	0.00117
som	0.0005
soy	0.0005
stb	0.00117
stf	0.00117
swm	0.0005
wfp	0.000376
wto	0.000376

Tab: Ratio of Zero-Flow Days by Land Use: LR-Seg cbp6_N51053_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
aop	0.268
cch	0.267
cci	0.905
ccn	0.228
cfr	0.33
cir	0.905
cmo	0.291
cnr	0.905
ctg	0.267
dbl	0.253
fnp	0.904
for	0.332
fsp	0.904
gom	0.253
gwm	0.253
hfr	0.267
lhy	0.267
mch	0.267
mci	0.905
mcn	0.228
mir	0.905
mnr	0.905
mtg	0.267
nch	0.267
nci	0.905
nir	0.905
nnr	0.905
ntg	0.267
oac	0.253
ohy	0.267
osp	0.294
pas	0.267
sch	0.253
scl	0.253
sgg	0.253
sho	0.905
som	0.253
soy	0.253
stb	0.905
stf	0.905
swm	0.253
wfp	0.332
wto	0.332

Tab: Mean Flows by Flow Type: LR-Seg cbp6_N51135_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
SURface Outflow	0.0015
InterFloW Outflow	0.000247
Active GroundWater Outflow	0.000391

Tab: Ratio of Zero-Flow Days by Flow Type: LR-Seg cbp6_N51135_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
SURface Outflow	0.707
InterFloW Outflow	0.482
Active GroundWater Outflow	0.326

Tab: IQR for SURface Outflow: LR-Seg cbp6_N51135_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	3.99e-06 [0, 3.99e-06]
1985	4.98e-10 [0, 4.98e-10]
1986	2.45e-06 [0, 2.45e-06]
1987	3.37e-06 [0, 3.37e-06]
1988	5.6e-08 [0, 5.6e-08]
1989	2.72e-05 [0, 2.72e-05]
1990	5.06e-07 [0, 5.06e-07]
1991	0 [0, 0]
1992	4.52e-06 [0, 4.52e-06]
1993	8.25e-06 [0, 8.25e-06]
1994	5.91e-06 [0, 5.91e-06]
1995	1.73e-06 [0, 1.73e-06]
1996	5.28e-05 [0, 5.28e-05]
1997	1.12e-07 [0, 1.12e-07]
1998	0 [0, 0]
1999	3.83e-09 [0, 3.83e-09]
2000	4.9e-06 [0, 4.9e-06]

Tab: IQR for InterFloW Outflow: LR-Seg cbp6_N51135_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	2.9e-05 [0, 2.9e-05]
1985	1.99e-05 [0, 1.99e-05]
1986	2.14e-05 [0, 2.14e-05]
1987	6.66e-05 [0, 6.66e-05]
1988	3.93e-05 [0, 3.93e-05]
1989	0.000157 [0, 0.000157]
1990	4.96e-05 [0, 4.96e-05]
1991	2.12e-05 [0, 2.12e-05]
1992	5.09e-05 [0, 5.09e-05]
1993	0.000153 [0, 0.000153]
1994	7.52e-05 [0, 7.52e-05]
1995	7.45e-05 [0, 7.45e-05]
1996	0.000278 [0, 0.000278]
1997	8.52e-05 [0, 8.52e-05]
1998	3.88e-05 [0, 3.88e-05]
1999	7.01e-05 [0, 7.01e-05]
2000	6.49e-05 [0, 6.49e-05]

Tab: IQR for Active GroundWater Outflow: LR-Seg cbp6_N51135_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	0.000554 [0, 0.000554]
1985	0.00062 [0, 0.00062]
1986	0.000487 [0, 0.000487]
1987	0.000765 [0, 0.000765]
1988	0.000517 [0, 0.000517]
1989	0.000727 [0, 0.000727]
1990	0.000606 [0, 0.000606]
1991	0.000463 [0, 0.000463]
1992	0.000594 [0, 0.000594]
1993	0.000892 [0, 0.000892]
1994	0.00064 [0, 0.00064]
1995	0.000611 [0, 0.000611]
1996	0.000872 [0, 0.000872]
1997	0.000498 [0, 0.000498]
1998	0.000432 [0, 0.000432]
1999	0.000481 [0, 0.000481]
2000	0.000569 [0, 0.000569]

Tab: Mean Flows by Land Use: LR-Seg cbp6_N51135_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
aop	0.000423
cch	0.000635
cci	0.00119
ccn	0.000655
cfr	0.000362
cir	0.00119
cmo	0.000376
cnr	0.00119
ctg	0.000635
dbl	0.000456
fnp	0.00119
for	0.000362
fsp	0.00119
gom	0.000456
gwm	0.000456
hfr	0.000487
lhy	0.000423
mch	0.000635
mci	0.00119
mcn	0.000655
mir	0.00119
mnr	0.00119
mtg	0.000635
nch	0.000635
nci	0.00119
nir	0.00119
nnr	0.00119
ntg	0.000635
oac	0.000456
ohy	0.000423
osp	0.000376
pas	0.000423
sch	0.000456
scl	0.000456
sgg	0.000456
sho	0.00119
som	0.000456
soy	0.000456
stb	0.00119
stf	0.00119
swm	0.000456
wfp	0.000362
wto	0.000362

Tab: Ratio of Zero-Flow Days by Land Use: LR-Seg cbp6_N51135_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
aop	0.309
cch	0.31
cci	0.907
ccn	0.302
cfr	0.338
cir	0.907
cmo	0.322
cnr	0.907
ctg	0.31
dbl	0.303
fnp	0.906
for	0.336
fsp	0.906
gom	0.303
gwm	0.303
hfr	0.297
lhy	0.308
mch	0.31
mci	0.907
mcn	0.302
mir	0.907
mnr	0.907
mtg	0.31
nch	0.31
nci	0.907
nir	0.907
nnr	0.907
ntg	0.31
oac	0.303
ohy	0.308
osp	0.321
pas	0.308
sch	0.303
scl	0.303
sgg	0.303
sho	0.907
som	0.303
soy	0.303
stb	0.907
stf	0.907
swm	0.303
wfp	0.336
wto	0.336

Tab: Mean Flows by Flow Type: LR-Seg cbp6_N51041_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
SURface Outflow	0.00135
InterFloW Outflow	0.000288
Active GroundWater Outflow	0.00048

Tab: Ratio of Zero-Flow Days by Flow Type: LR-Seg cbp6_N51041_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
SURface Outflow	0.69
InterFloW Outflow	0.477
Active GroundWater Outflow	0.447

Tab: IQR for SURface Outflow: LR-Seg cbp6_N51041_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	1.87e-06 [0, 1.87e-06]
1985	1.74e-09 [0, 1.74e-09]
1986	1.03e-06 [0, 1.03e-06]
1987	9.02e-07 [0, 9.02e-07]
1988	5.8e-09 [0, 5.8e-09]
1989	1.32e-05 [0, 1.32e-05]
1990	6.24e-09 [0, 6.24e-09]
1991	0 [0, 0]
1992	1.69e-06 [0, 1.69e-06]
1993	5.73e-06 [0, 5.73e-06]
1994	3.16e-06 [0, 3.16e-06]
1995	3.41e-07 [0, 3.41e-07]
1996	1.94e-05 [0, 1.94e-05]
1997	1e-07 [0, 1e-07]
1998	8.87e-09 [0, 8.87e-09]
1999	1.55e-10 [0, 1.55e-10]
2000	2.39e-06 [0, 2.39e-06]

Tab: IQR for InterFloW Outflow: LR-Seg cbp6_N51041_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	3.25e-05 [0, 3.25e-05]
1985	2.01e-05 [0, 2.01e-05]
1986	1.8e-05 [0, 1.8e-05]
1987	4.52e-05 [0, 4.52e-05]
1988	2.72e-05 [0, 2.72e-05]
1989	8.57e-05 [0, 8.57e-05]
1990	3.75e-05 [0, 3.75e-05]
1991	1.43e-05 [0, 1.43e-05]
1992	2.58e-05 [0, 2.58e-05]
1993	0.000141 [0, 0.000141]
1994	7.14e-05 [0, 7.14e-05]
1995	6.37e-05 [0, 6.37e-05]
1996	2e-04 [0, 2e-04]
1997	8.36e-05 [0, 8.36e-05]
1998	4.12e-05 [0, 4.12e-05]
1999	8.1e-05 [0, 8.1e-05]
2000	7.39e-05 [0, 7.39e-05]

Tab: IQR for Active GroundWater Outflow: LR-Seg cbp6_N51041_JA5_7480_0001

	IQR of Unit Flows (cfs/sq. mi) [25th, 75th]
1984	0.00104 [0, 0.00104]
1985	0.000844 [0, 0.000844]
1986	0.000565 [0, 0.000565]
1987	0.00101 [0, 0.00101]
1988	0.000642 [0, 0.000642]
1989	0.000977 [0, 0.000977]
1990	0.000743 [0, 0.000743]
1991	0.000575 [0, 0.000575]
1992	0.000783 [0, 0.000783]
1993	0.00118 [0, 0.00118]
1994	0.000848 [0, 0.000848]
1995	0.000824 [0, 0.000824]
1996	0.00108 [0, 0.00108]
1997	0.000758 [0, 0.000758]
1998	0.000566 [0, 0.000566]
1999	0.00074 [0, 0.00074]
2000	0.000601 [0, 0.000601]

Tab: Mean Flows by Land Use: LR-Seg cbp6_N51041_JA5_7480_0001

	Mean Unit Flow (cfs/sq. mi)
aop	0.000433
cch	0.000629
cci	0.00115
ccn	0.000673
cfr	0.000366
cir	0.00115
cmo	0.000401
cnr	0.00115
ctg	0.000629
dbl	0.000469
fnp	0.00115
for	0.000366
fsp	0.00115
gom	0.000469
gwm	0.000469
hfr	0.000476
lhy	0.000433
mch	0.000629
mci	0.00115
mcn	0.000673
mir	0.00115
mnr	0.00115
mtg	0.000629
nch	0.000629
nci	0.00115
nir	0.00115
nnr	0.00115
ntg	0.000629
oac	0.000469
ohy	0.000433
osp	0.0004
pas	0.000433
sch	0.000469
scl	0.000469
sgg	0.000469
sho	0.00115
som	0.000469
soy	0.000469
stb	0.00115
stf	0.00115
swm	0.000469
wfp	0.000366
wto	0.000366

Tab: Ratio of Zero-Flow Days by Land Use: LR-Seg cbp6_N51041_JA5_7480_0001

	Ratio of Days with Zero Flow to Total Days
aop	0.363
cch	0.349
cci	0.906
ccn	0.305
cfr	0.43
cir	0.906
cmo	0.39
cnr	0.906
ctg	0.349
dbl	0.345
fnp	0.907
for	0.433
fsp	0.907
gom	0.345
gwm	0.345
hfr	0.35
lhy	0.363
mch	0.349
mci	0.906
mcn	0.305
mir	0.906
mnr	0.906
mtg	0.349
nch	0.349
nci	0.906
nir	0.906
nnr	0.906
ntg	0.349
oac	0.345
ohy	0.363
osp	0.39
pas	0.363
sch	0.345
scl	0.345
sgg	0.345
sho	0.906
som	0.345
soy	0.345
stb	0.906
stf	0.906
swm	0.345
wfp	0.433
wto	0.433

Additional Figures: Land-River Segment Flow Boxplots

Fig: Annual SURO Flows for LR-seg cbp6_N51007_JA5_7480_0001

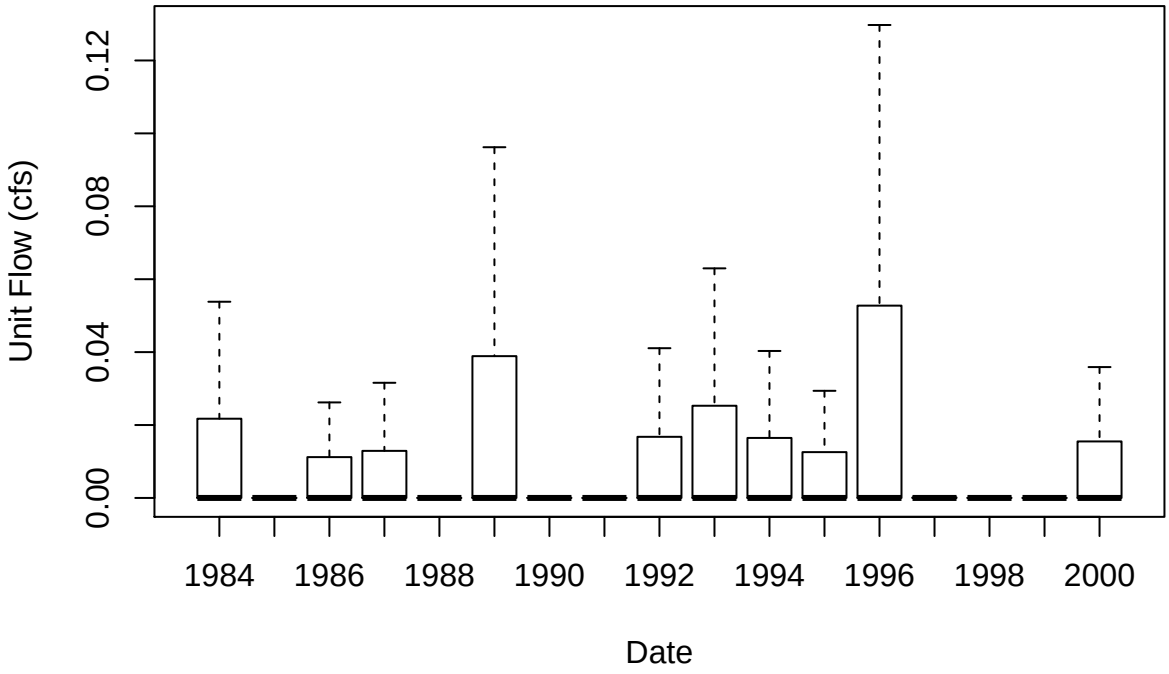


Fig: Annual IFWO Flows for LR-seg cbp6_N51007_JA5_7480_0001

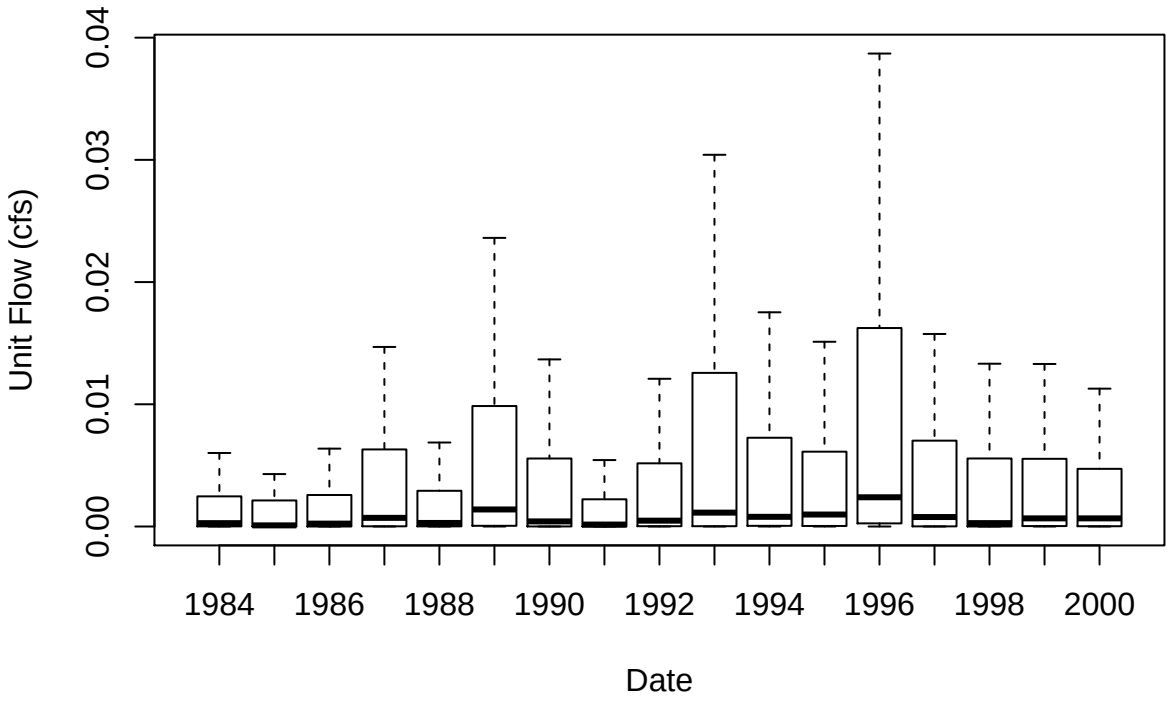


Fig: Annual AGWO Flows for LR-seg cbp6_N51007_JA5_7480_0001

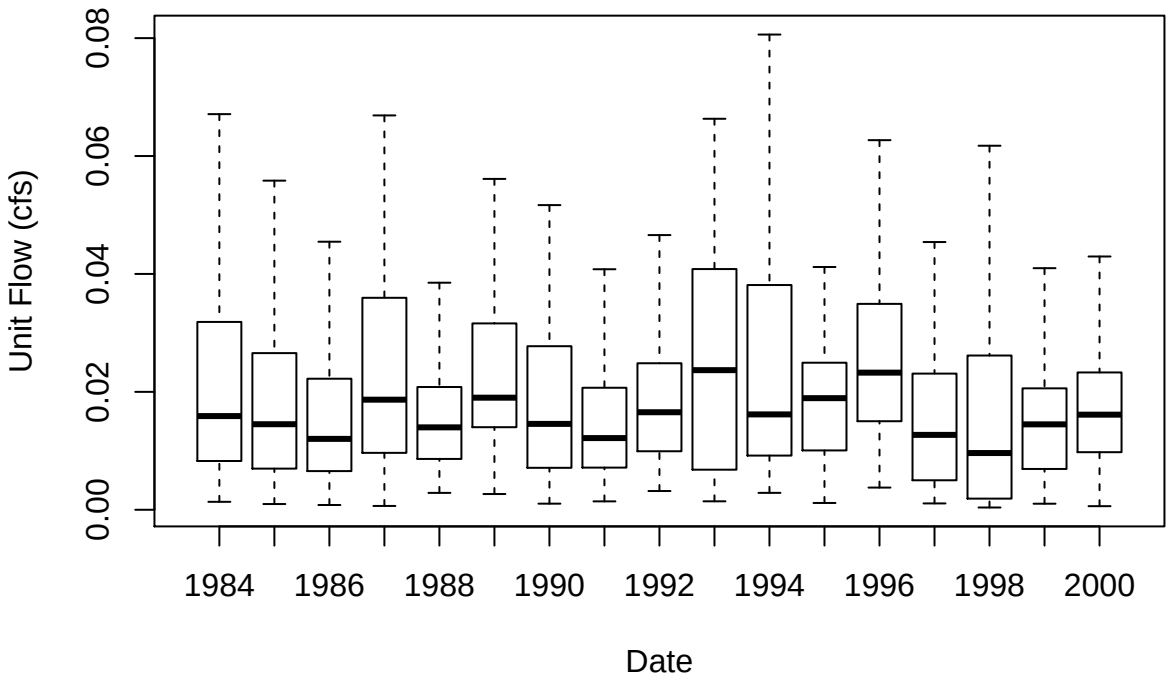


Fig: Annual SURO Flows for LR-seg cbp6_N51053_JA5_7480_0001

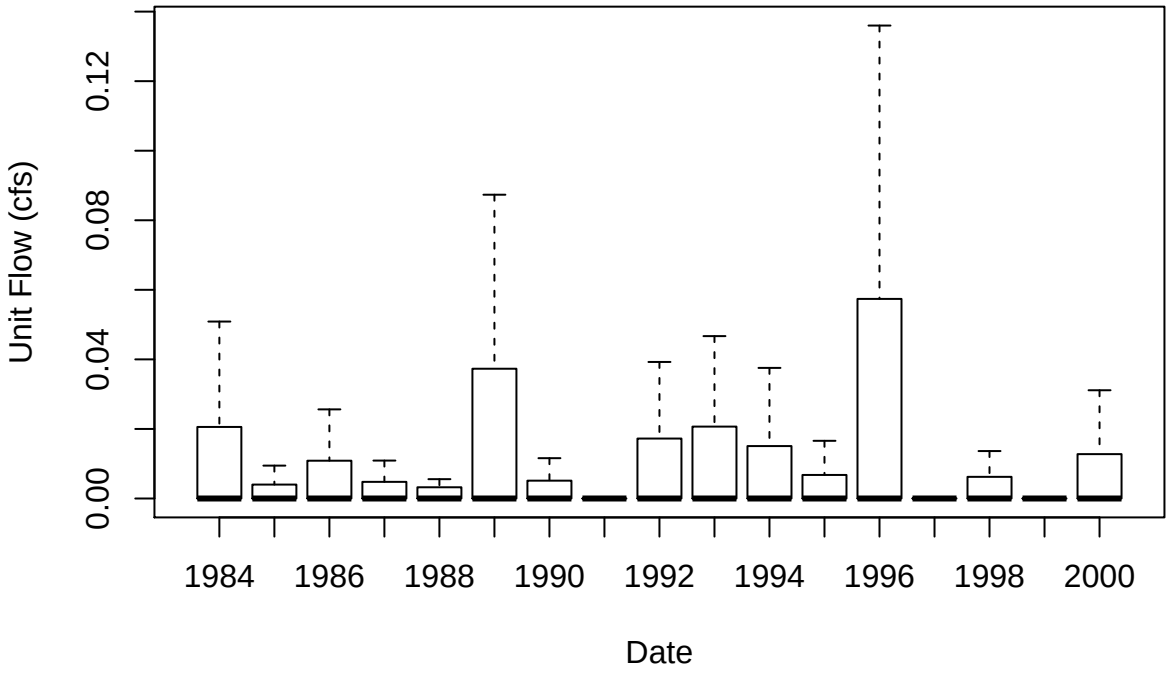


Fig: Annual IFWO Flows for LR-seg cbp6_N51053_JA5_7480_0001

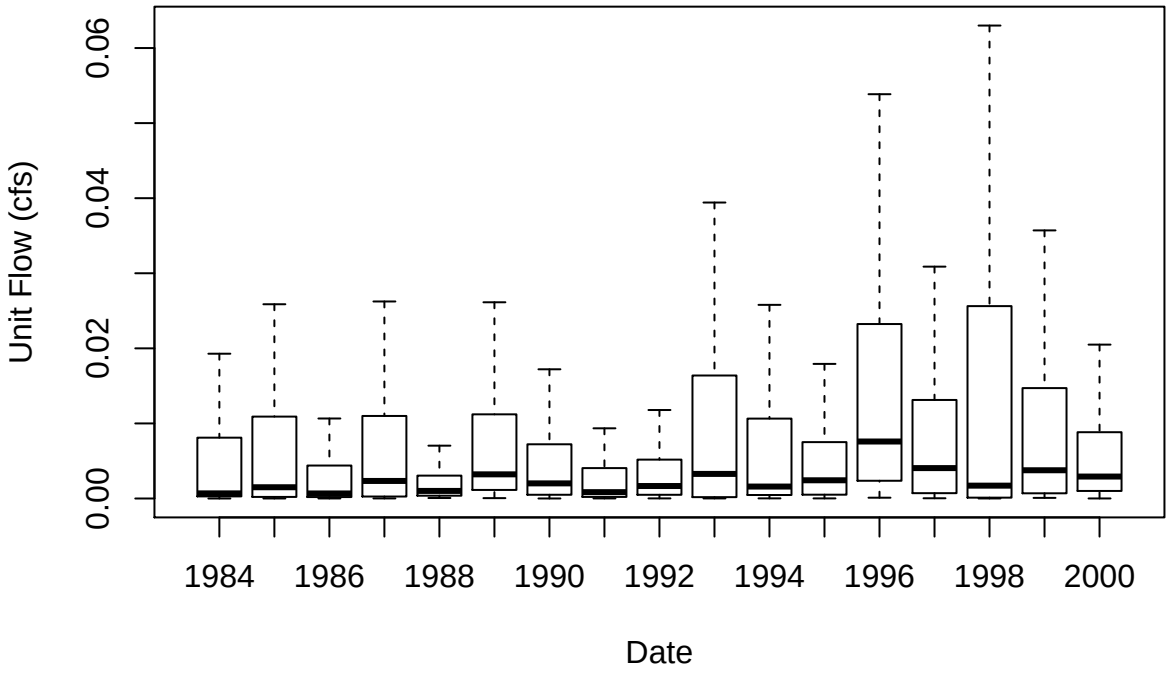


Fig: Annual AGWO Flows for LR-seg cbp6_N51053_JA5_7480_0001

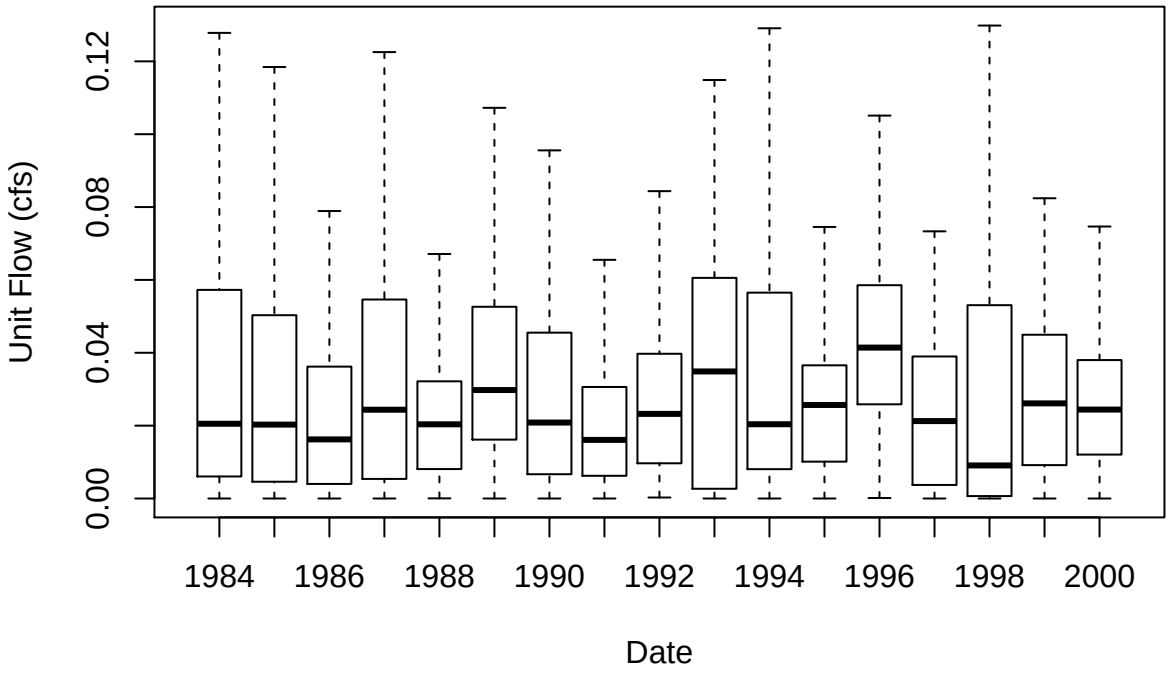
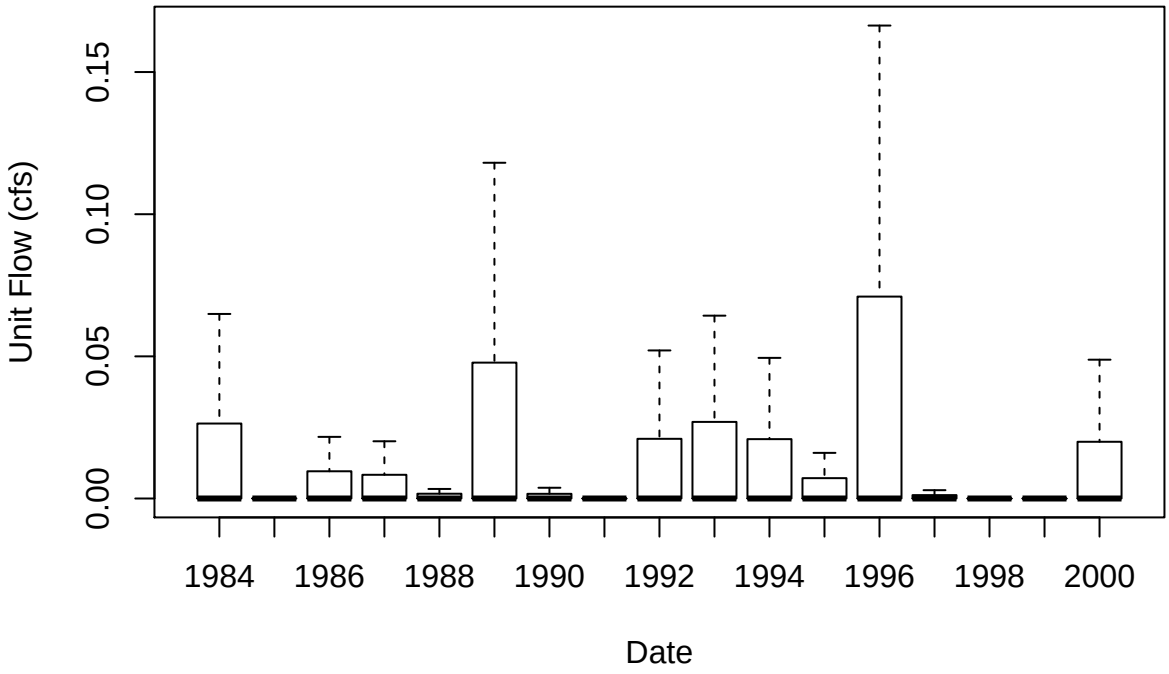


Fig: Annual SURO Flows for LR-seg cbp6_N51135_JA5_7480_0001



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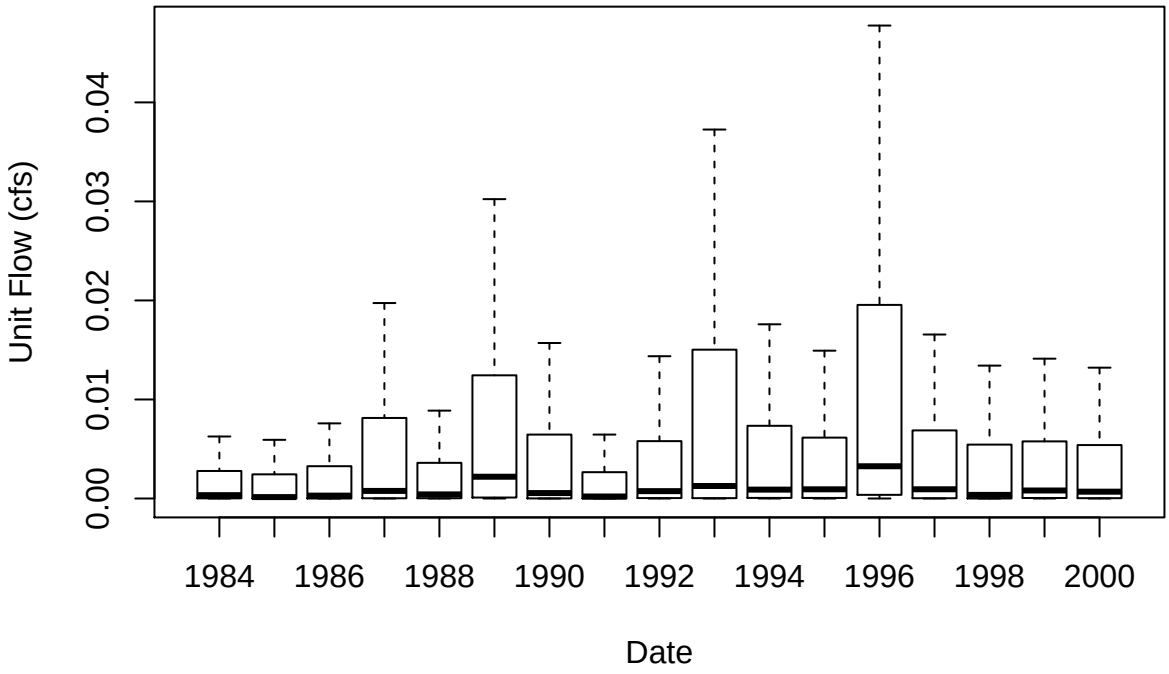

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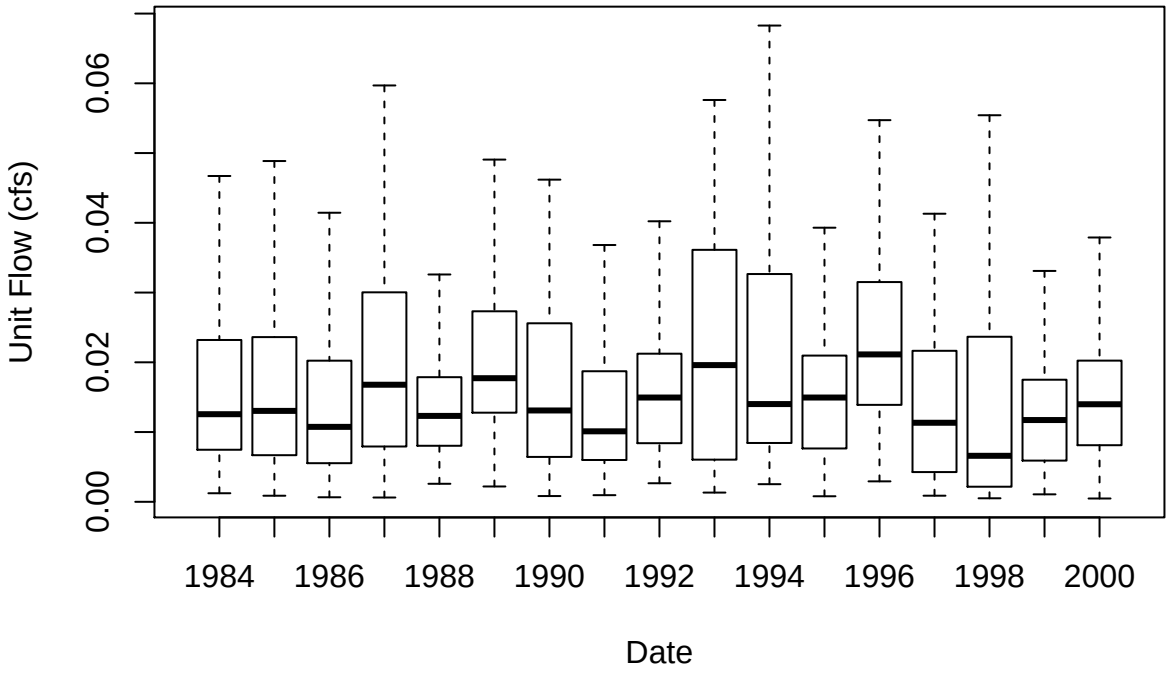

Fig: Annual SURO Flows for LR-seg cbp6_N51041_JA5_7480_0001

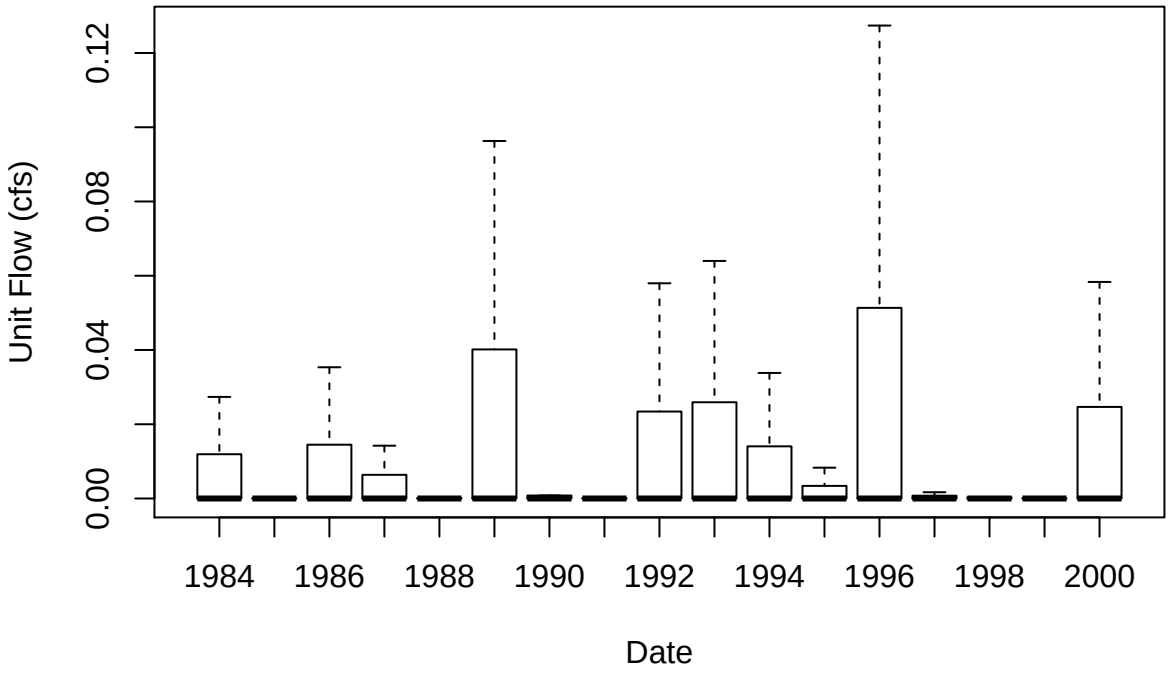

Fig: Annual IFWO Flows for LR-seg cbp6_N51041_JA5_7480_0001

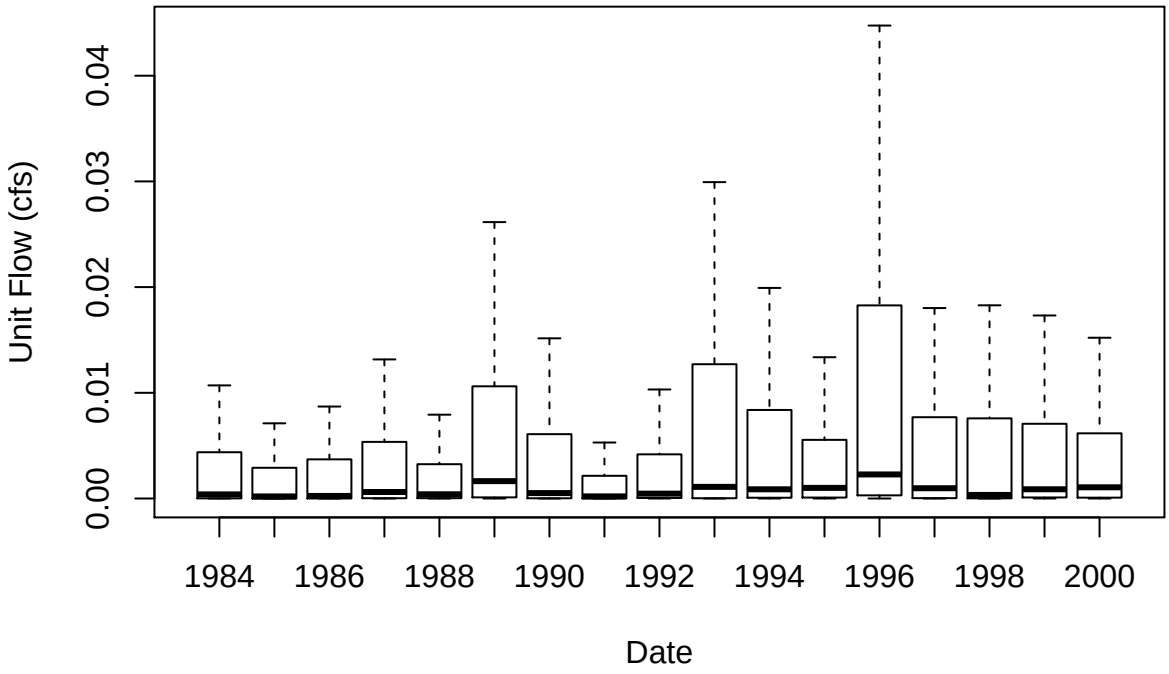

Fig: Annual AGWO Flows for LR-seg cbp6_N51041_JA5_7480_0001