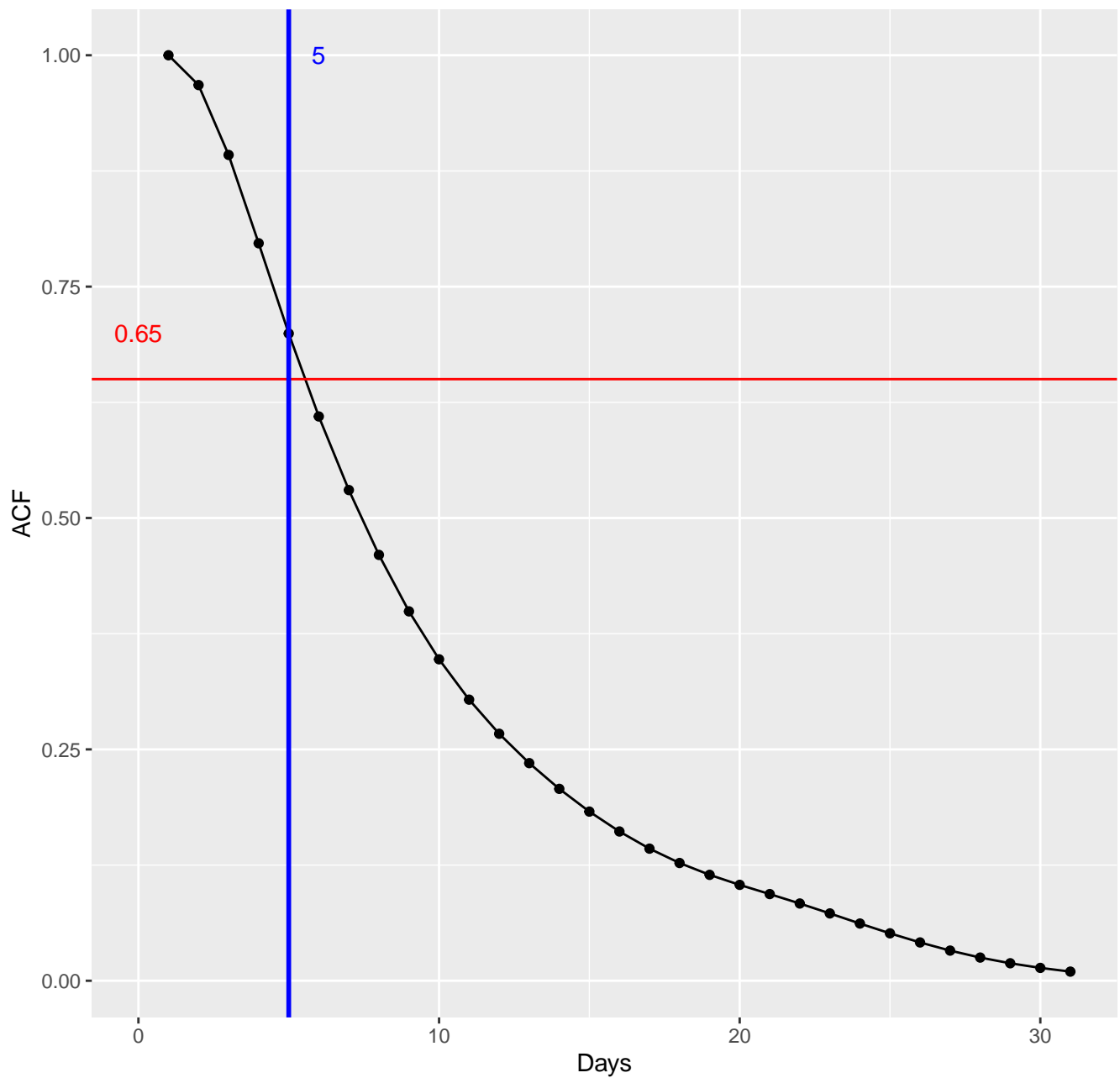
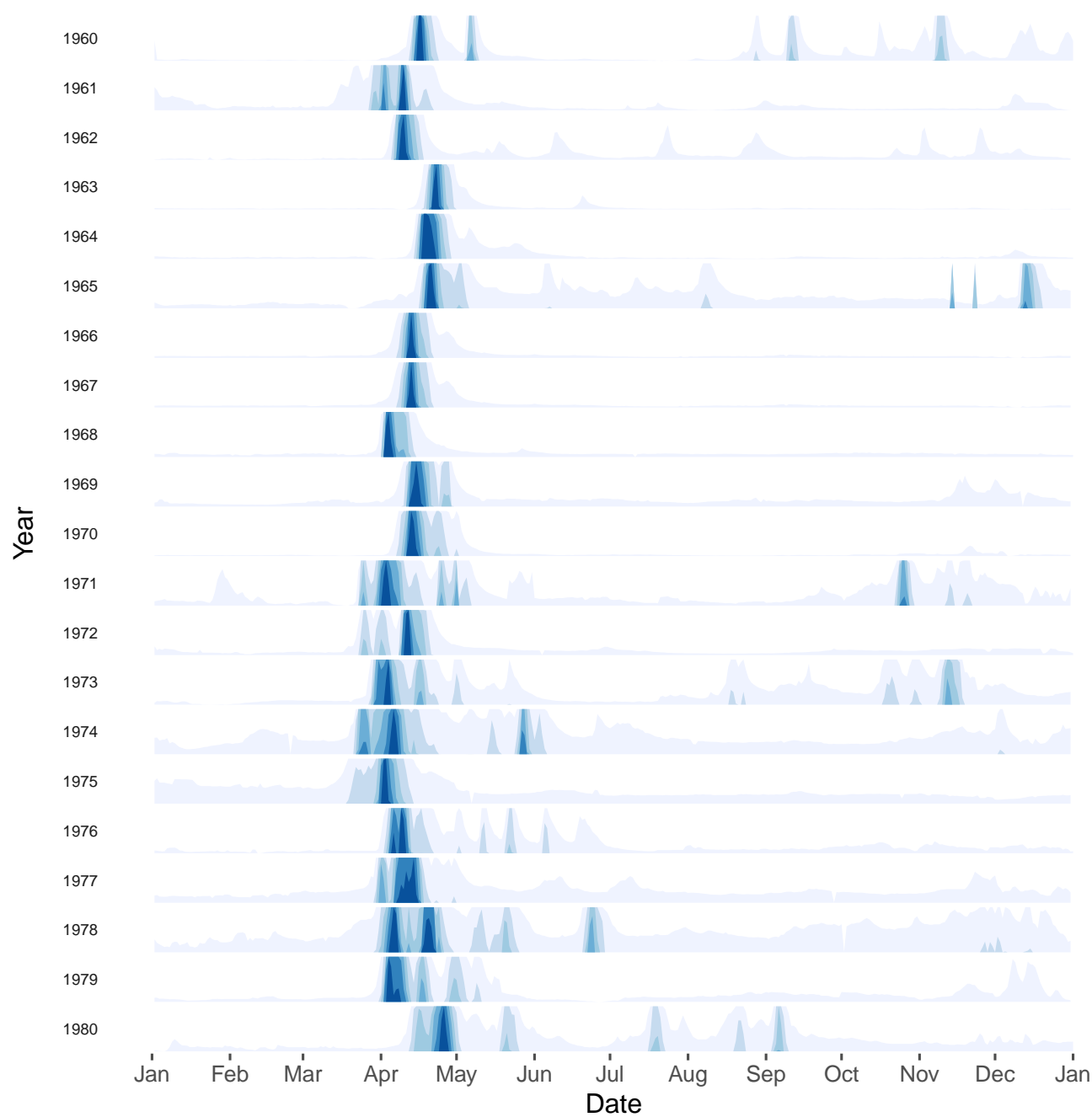
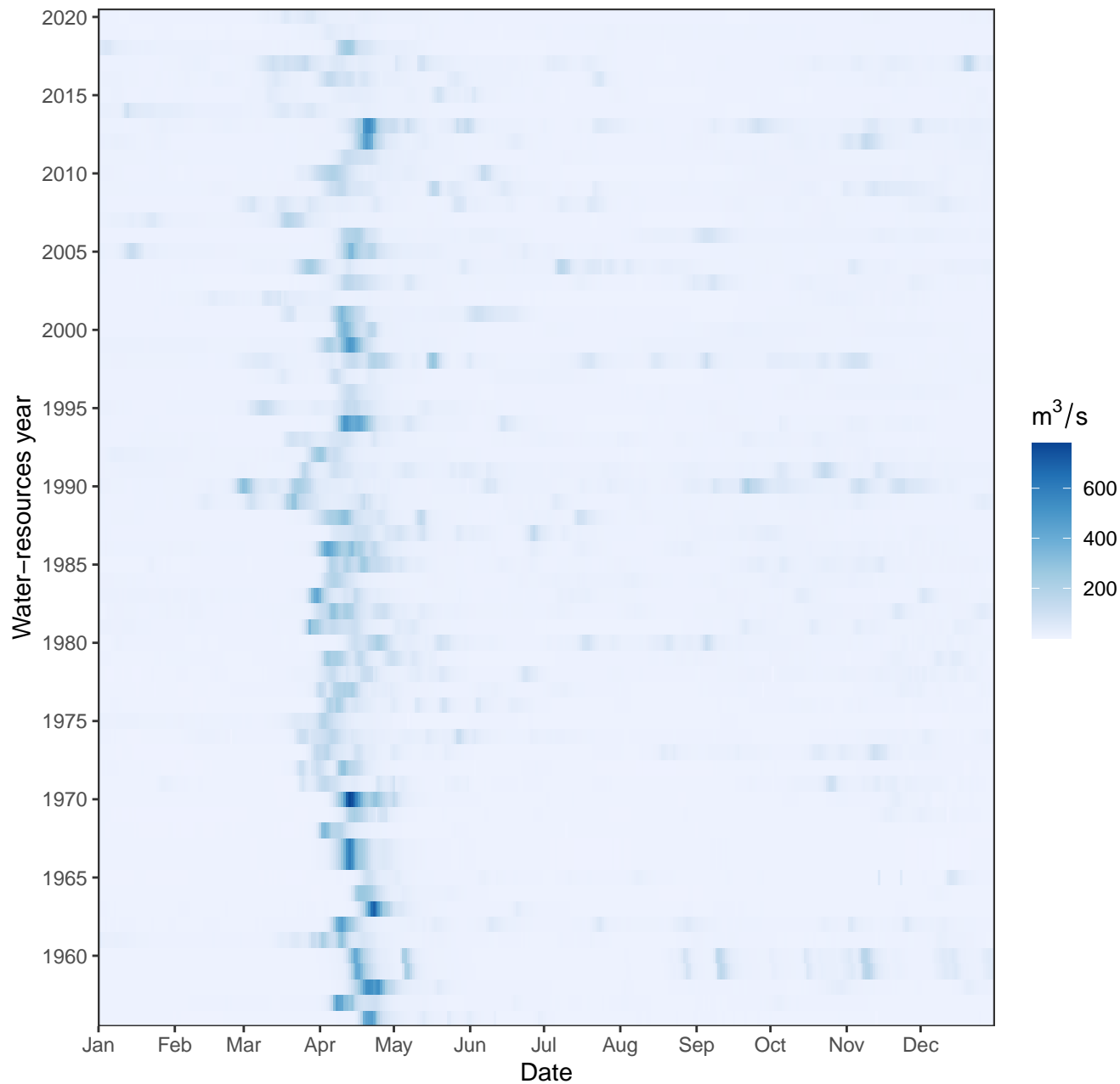


Autocorrelation function (ACF)

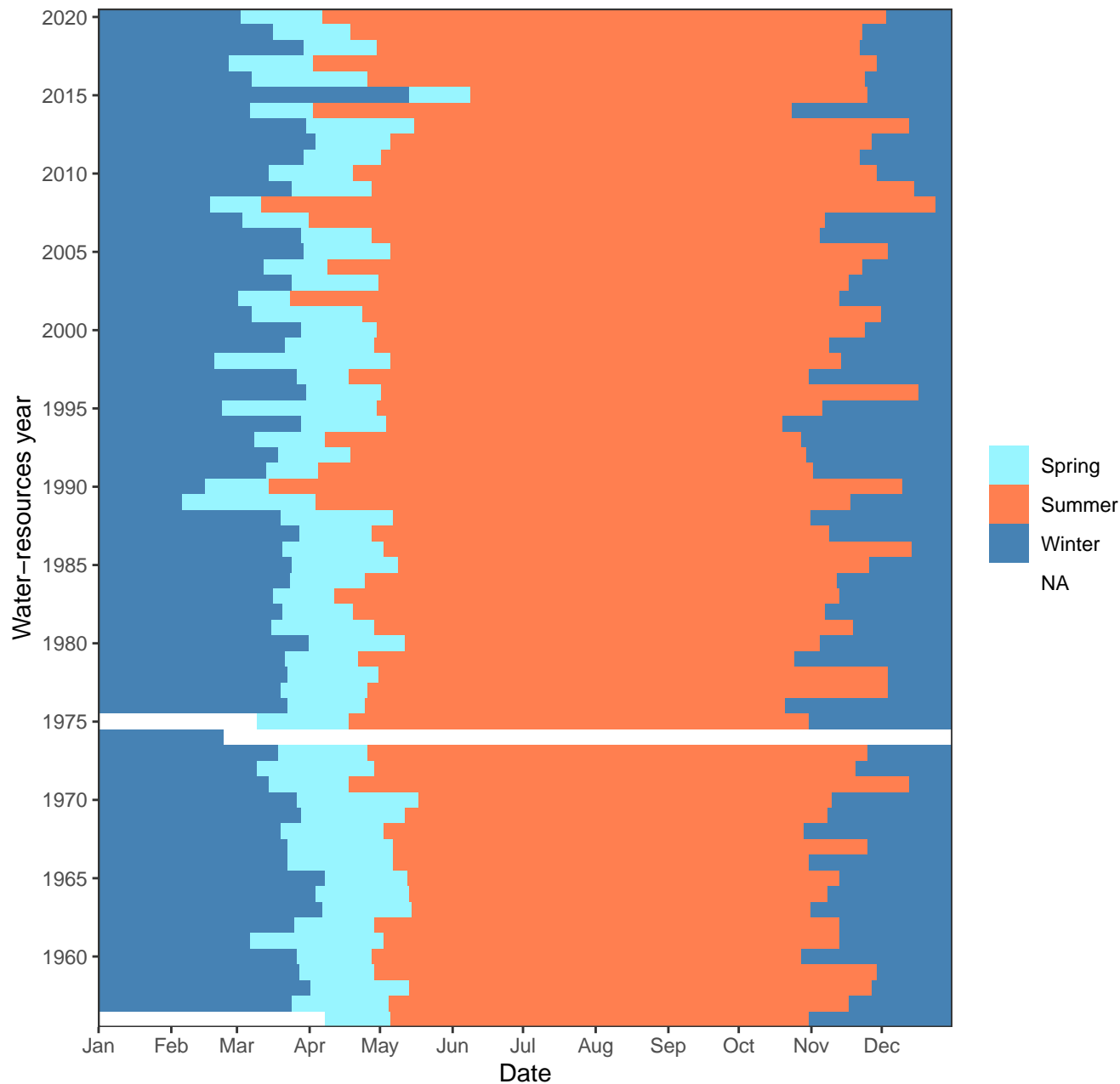




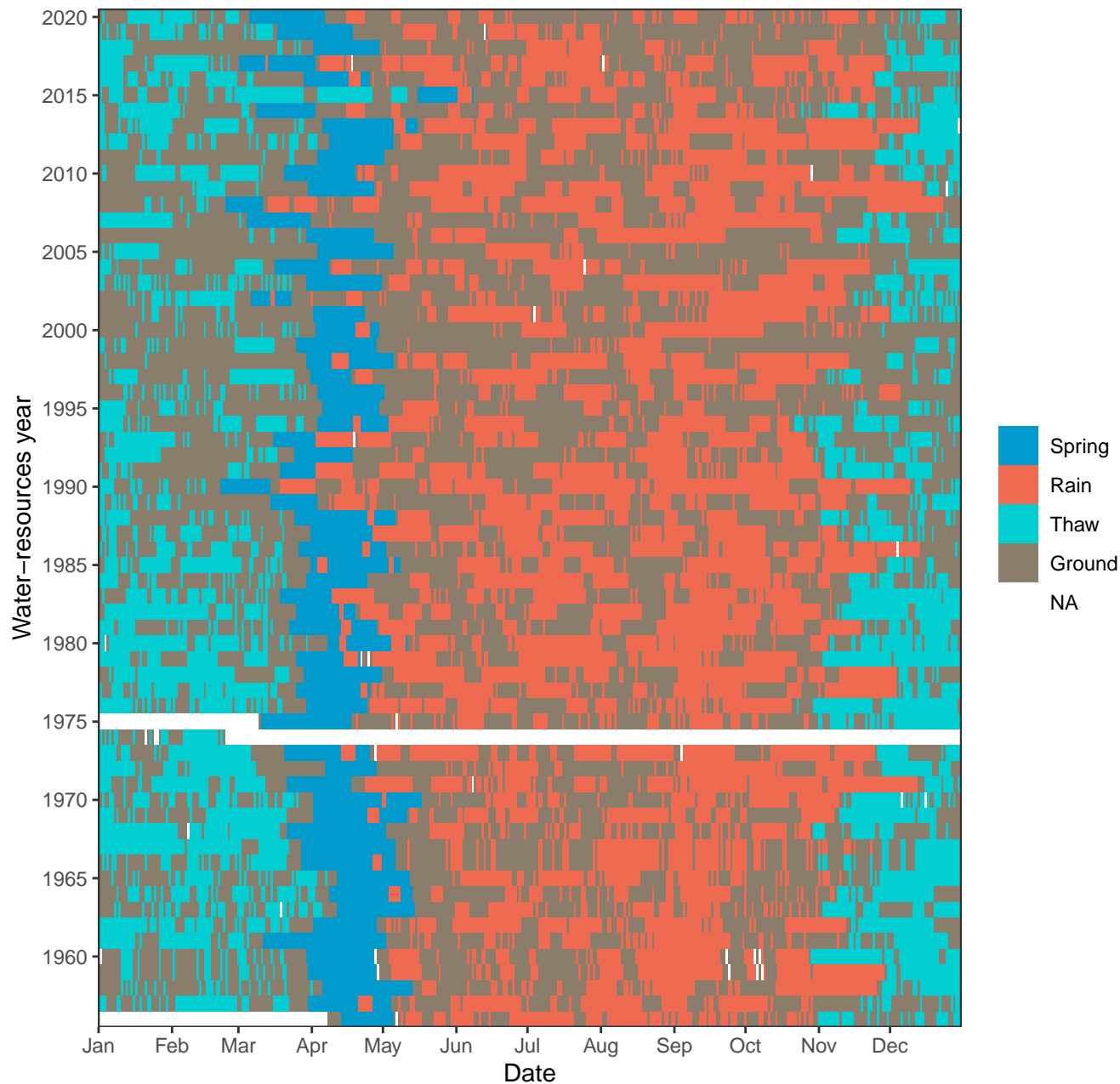
Runoff



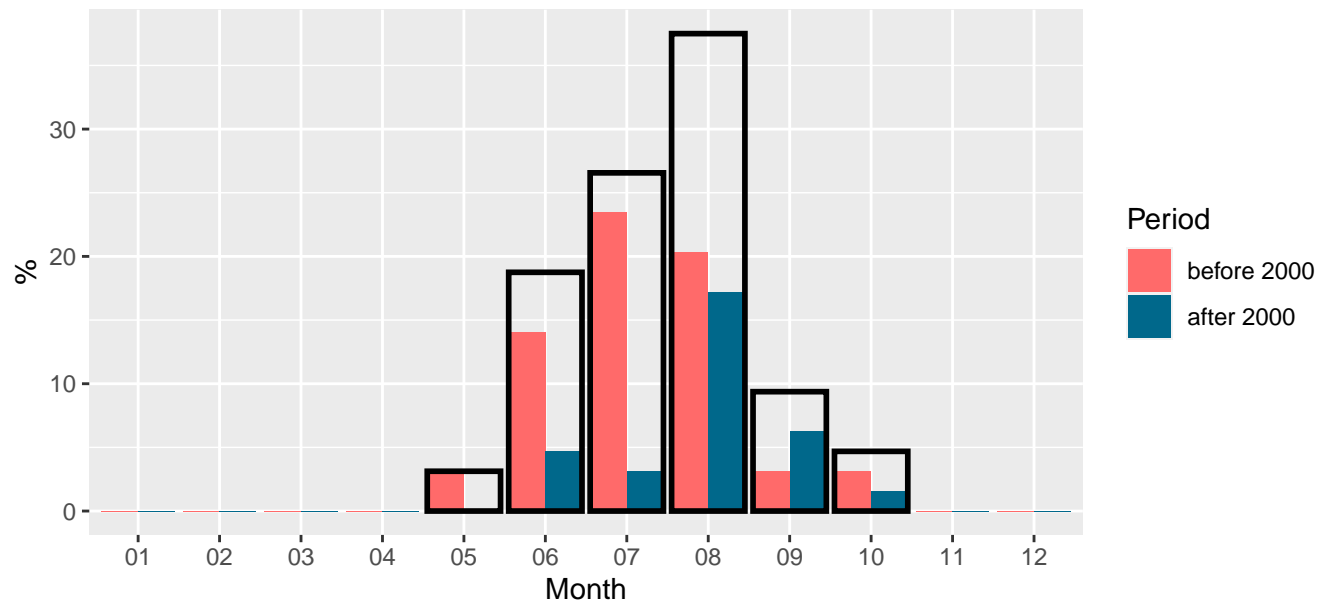
Season of runoff



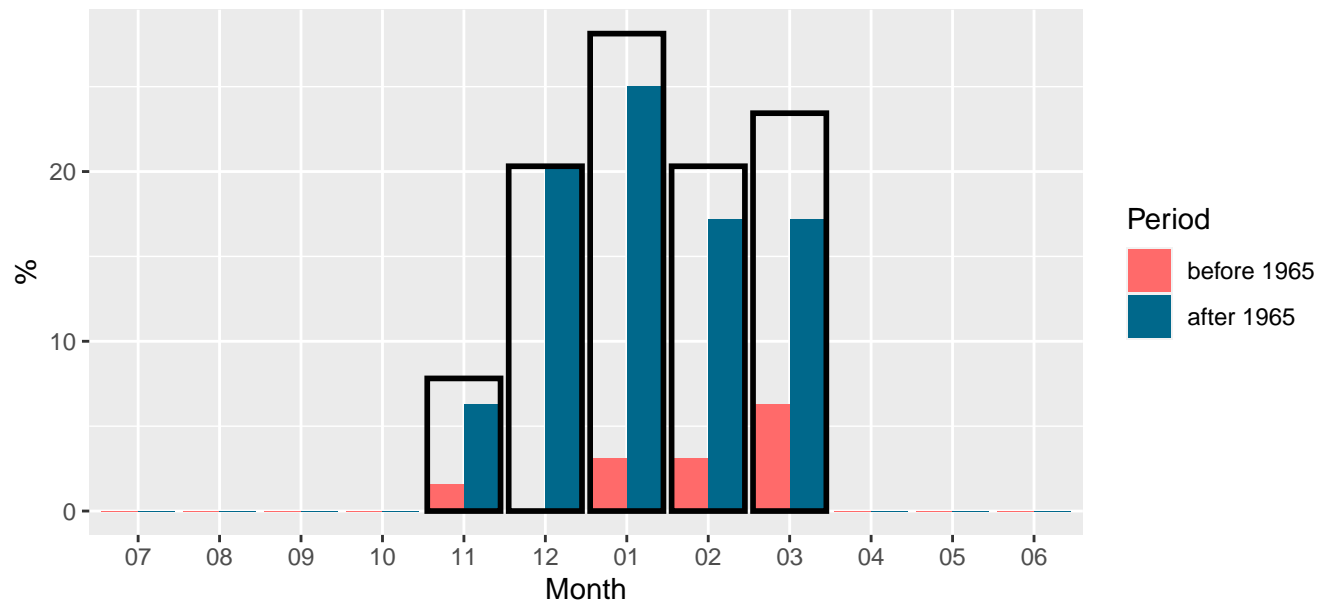
Component of runoff



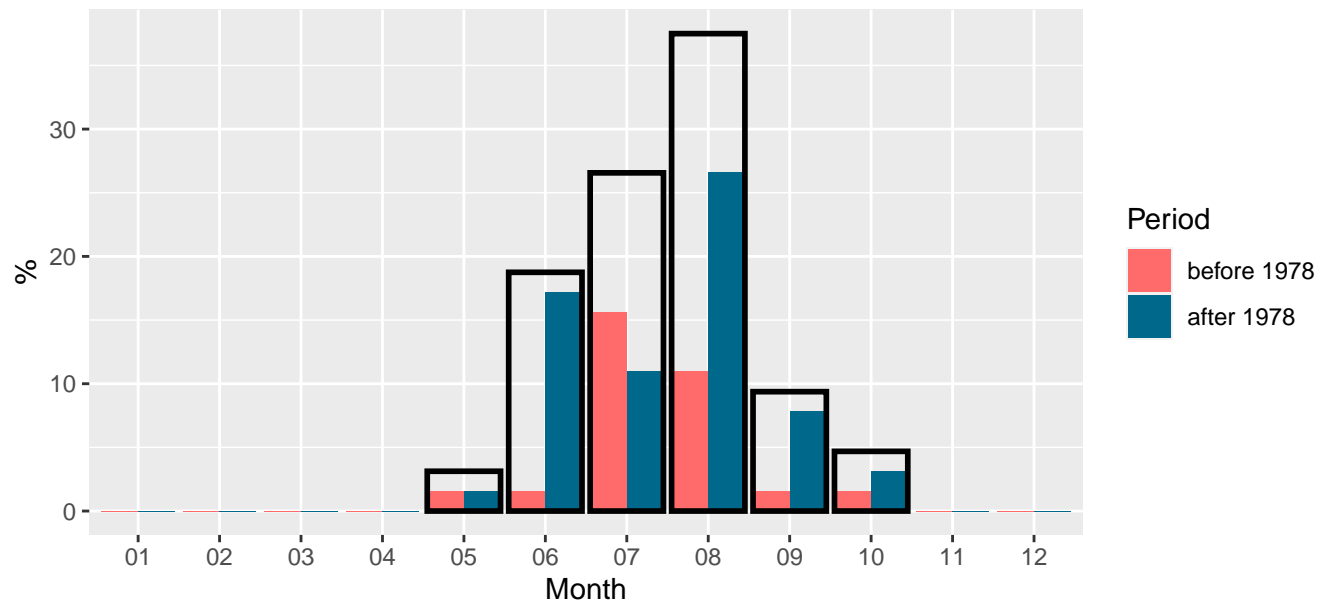
Month of a minimum monthly runoff during summer



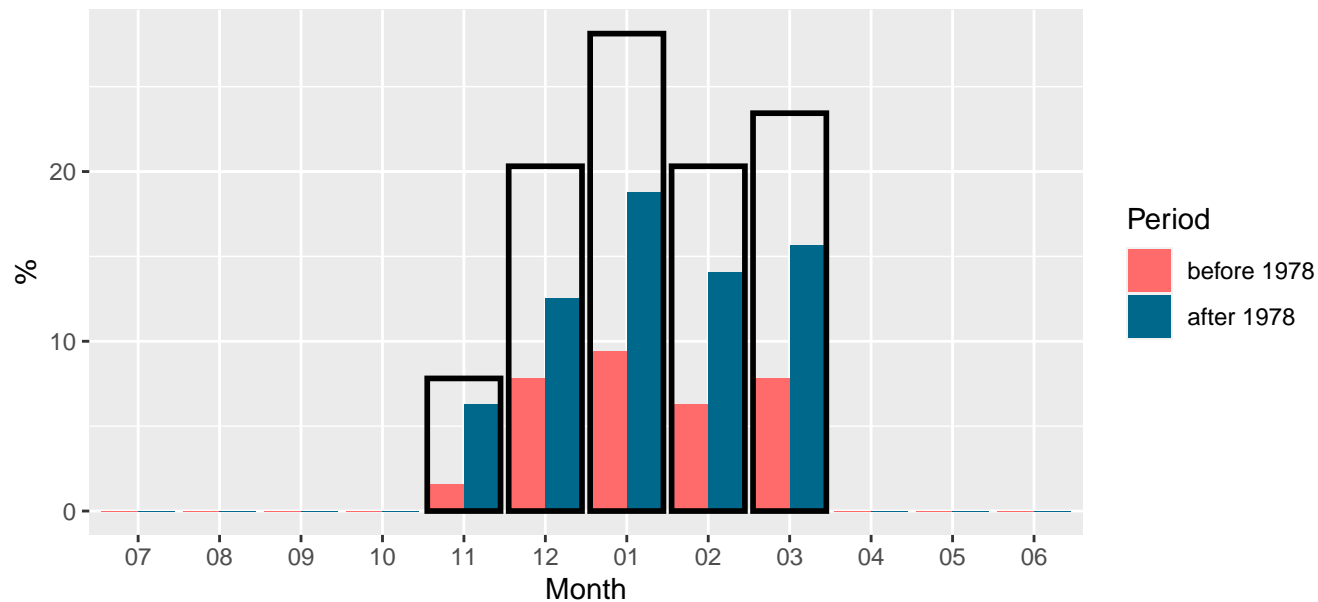
Month of a minimum monthly runoff during winter



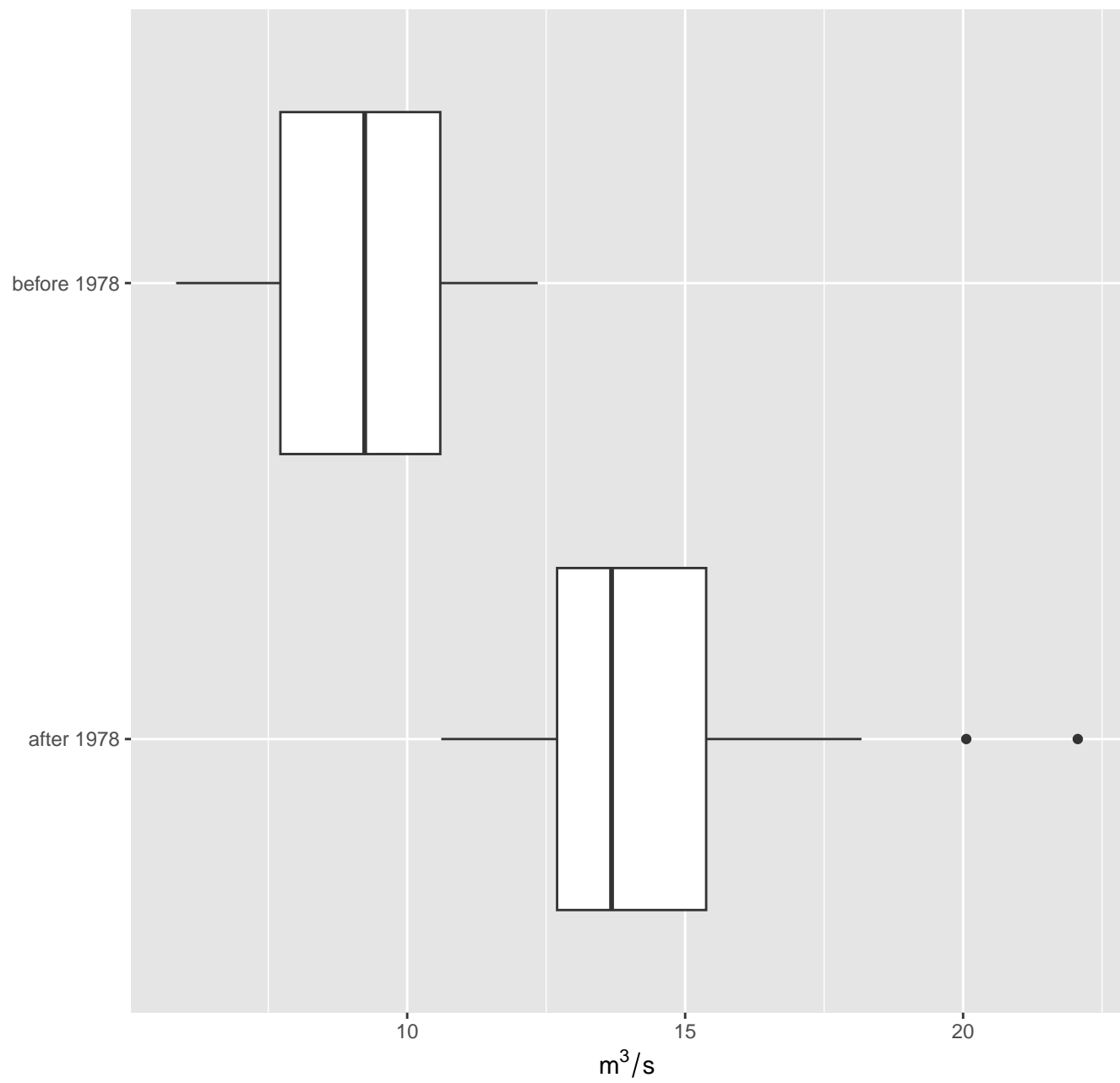
Month of a minimum monthly runoff during summer



Month of a minimum monthly runoff during winter



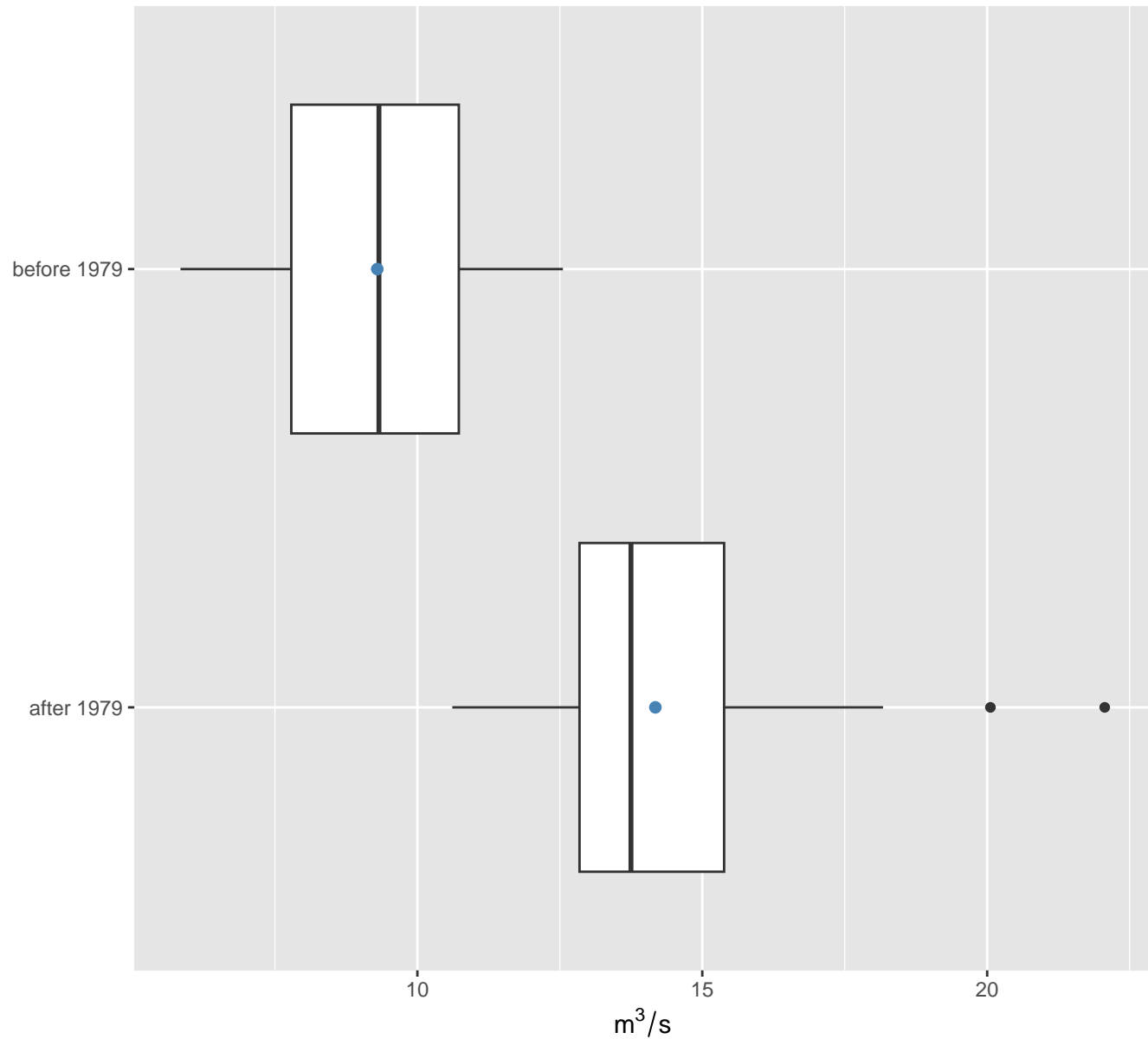
Mean annual groundwater ("baseflow") runoff



Mean annual groundwater ("baseflow") runoff

Student: $t = -8.759$, $p = 0$, $m1 = 9.297$, $m2 = 14.177$

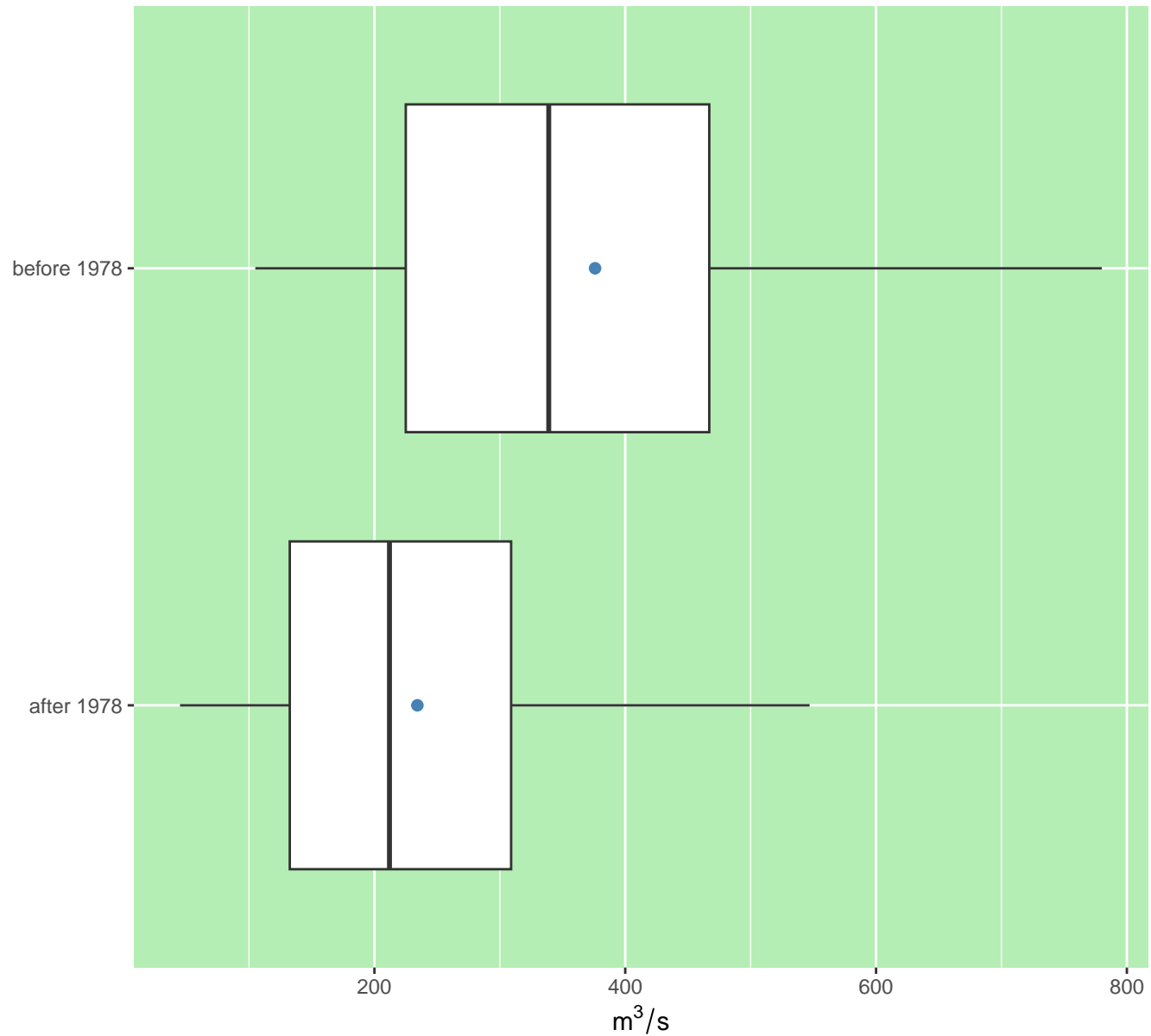
Fisher: $F = 0.569$, $p = 0.16752$, $cv1 = 0.203$, $cv2 = 0.176$



Maximum spring flood runoff

Student: $t = -1.915$, $p = 0.06127$, $m1 = 375.952$, $m2 = 234.267$

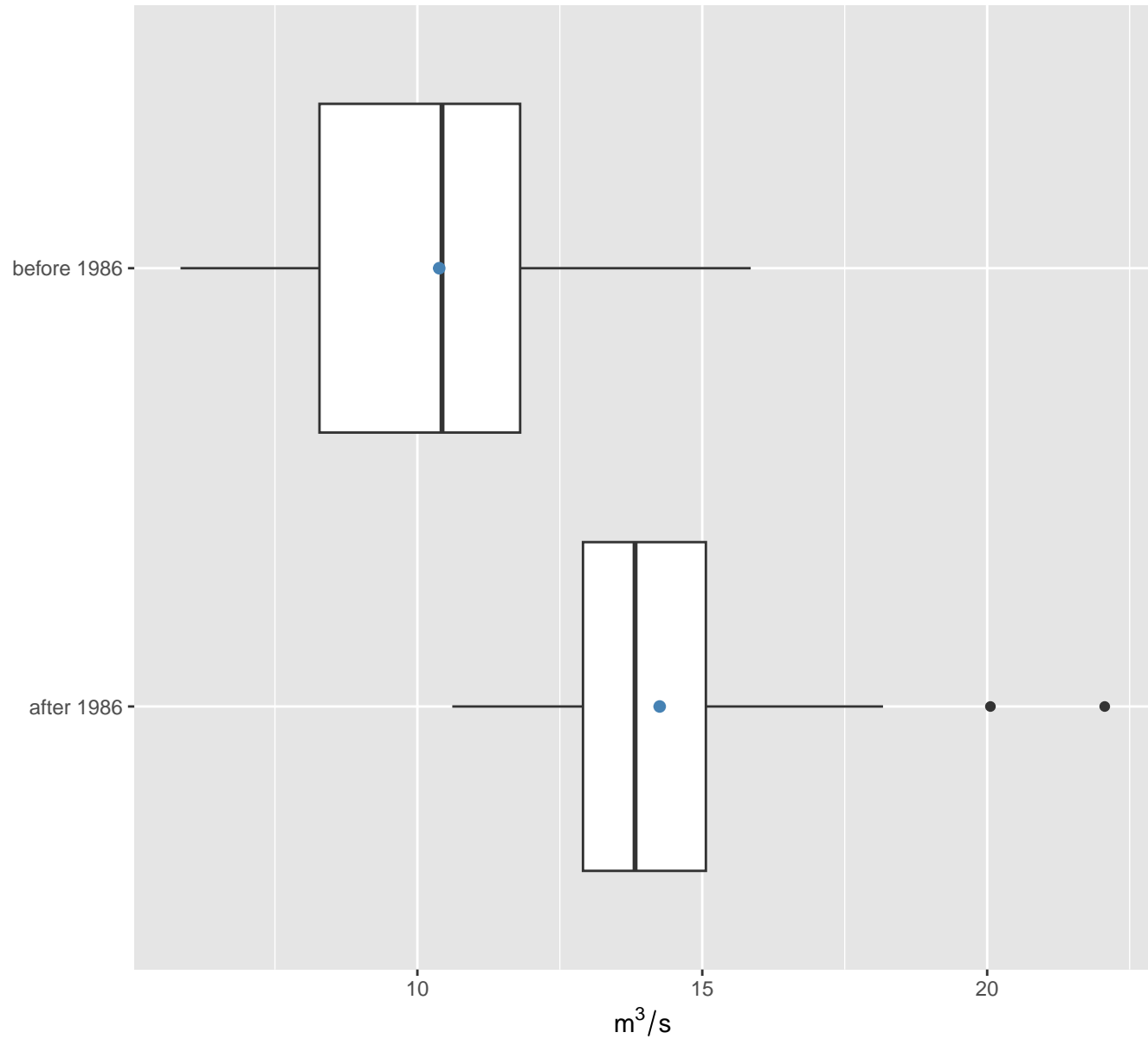
Fisher: $F = 0.615$, $p = 0.24164$, $cv1 = 0.505$, $cv2 = 0.563$



Mean annual groundwater ("baseflow") runoff

Student: $t = 2.686$, $p = 0.00945$, $m1 = 10.383$, $m2 = 14.253$

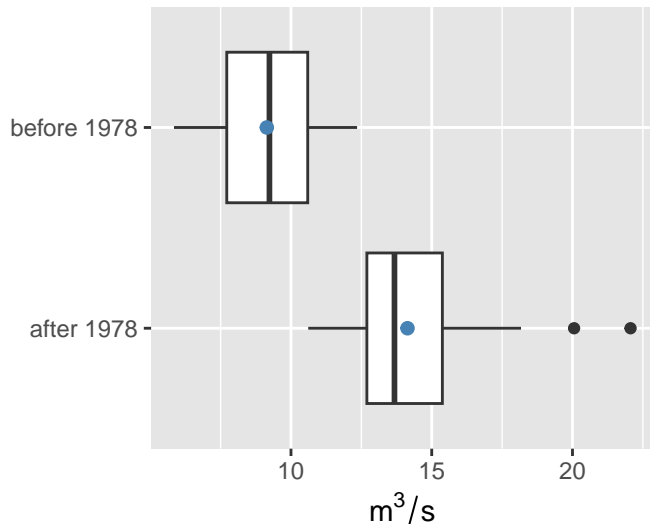
Fisher: $F = 1.247$, $p = 0.53551$, $cv1 = 0.259$, $cv2 = 0.184$



Mean annual groundwater ("baseflow")

Student: $t = -1.915$, $p = 0.06127$, $m1 = 9.5$

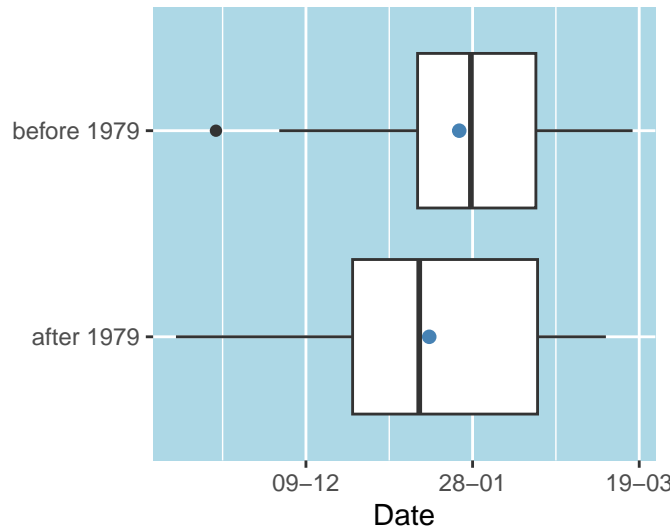
Fisher: $F = 0.615$, $p = 0.24164$, $cv1 = 0$



First date of minimum 10-day average

Student: $t = -8.191$, $p = 0$, $m1 = 24\text{-Jan}$

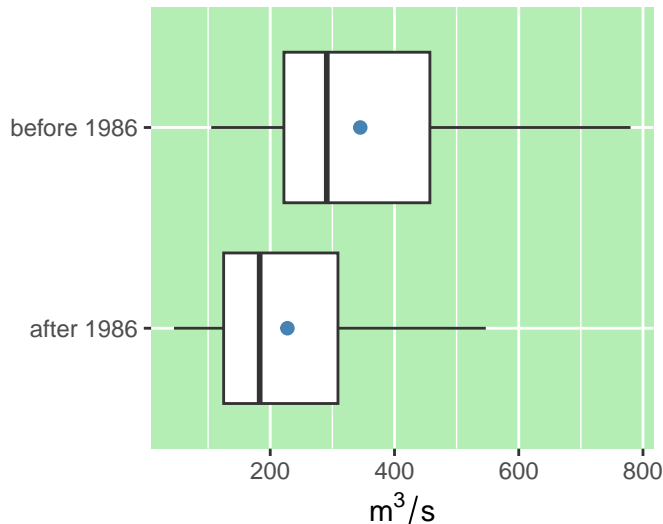
Fisher: $F = 0.401$, $p = 0.02757$, $cv1 = 0$



Maximum spring flood runoff

Student: $t = 2.686$, $p = 0.00945$, $m1 = 300$

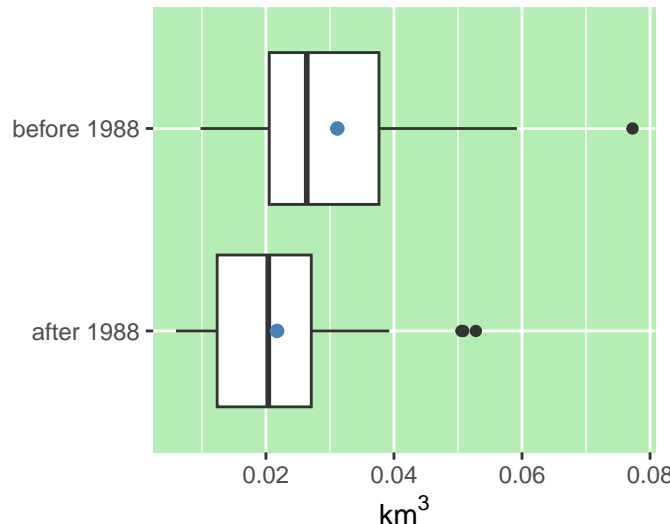
Fisher: $F = 1.247$, $p = 0.53551$, $cv1 = 0$

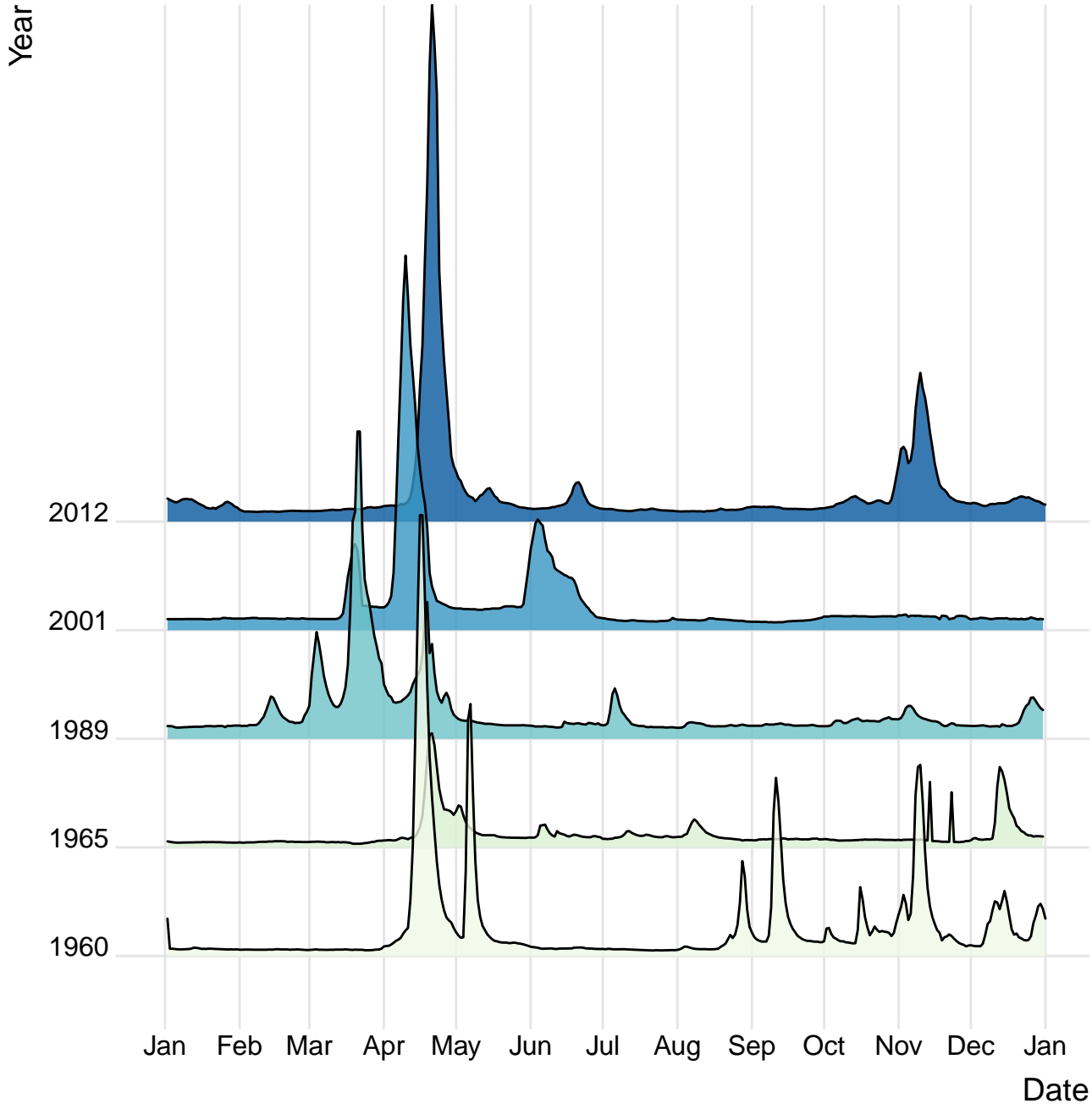


Spring flood runoff volume (with groundwater)

Student: $t = 2.753$, $p = 0.00784$, $m1 = 0.025$

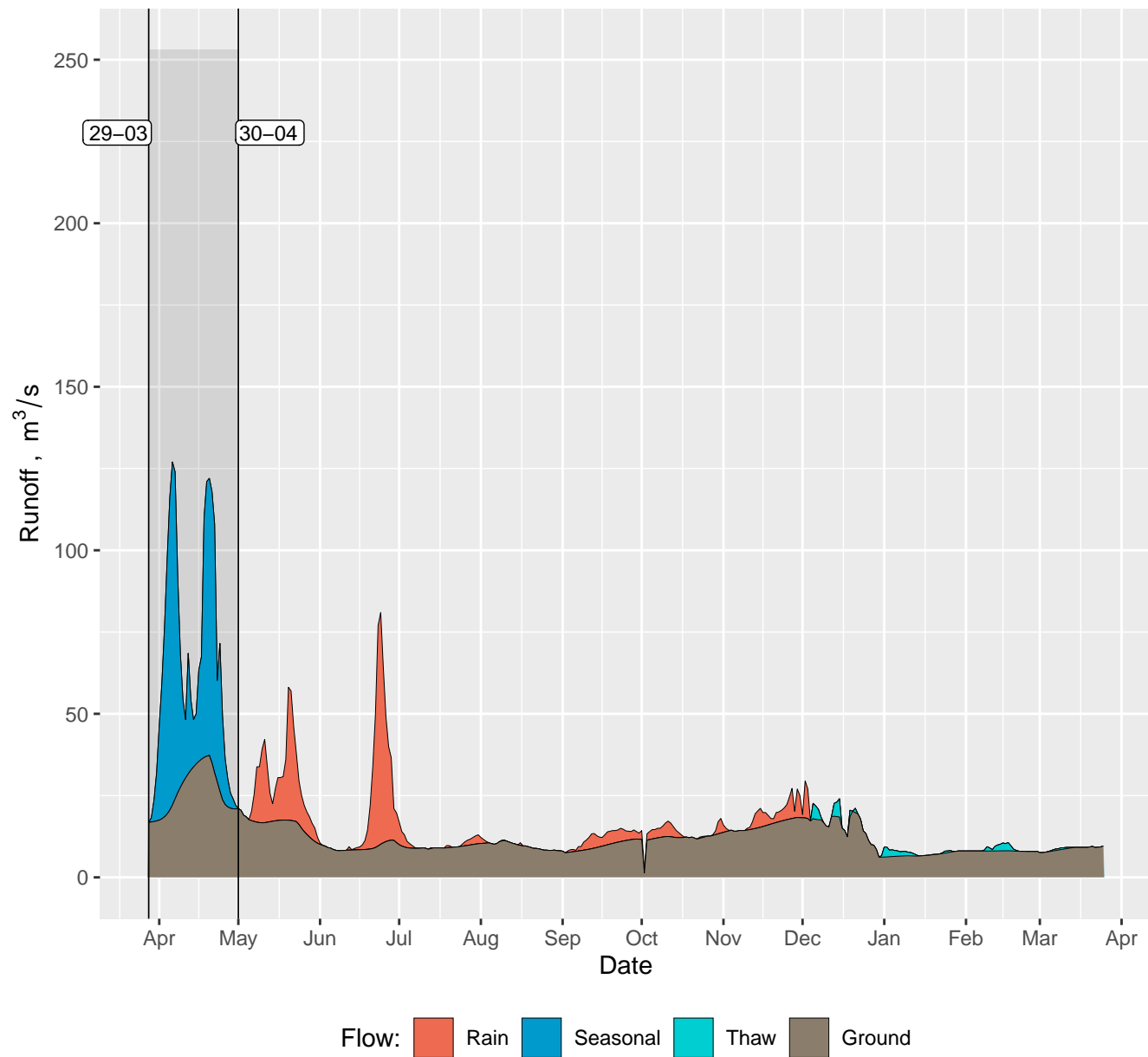
Fisher: $F = 1.418$, $p = 0.33334$, $cv1 = 0$





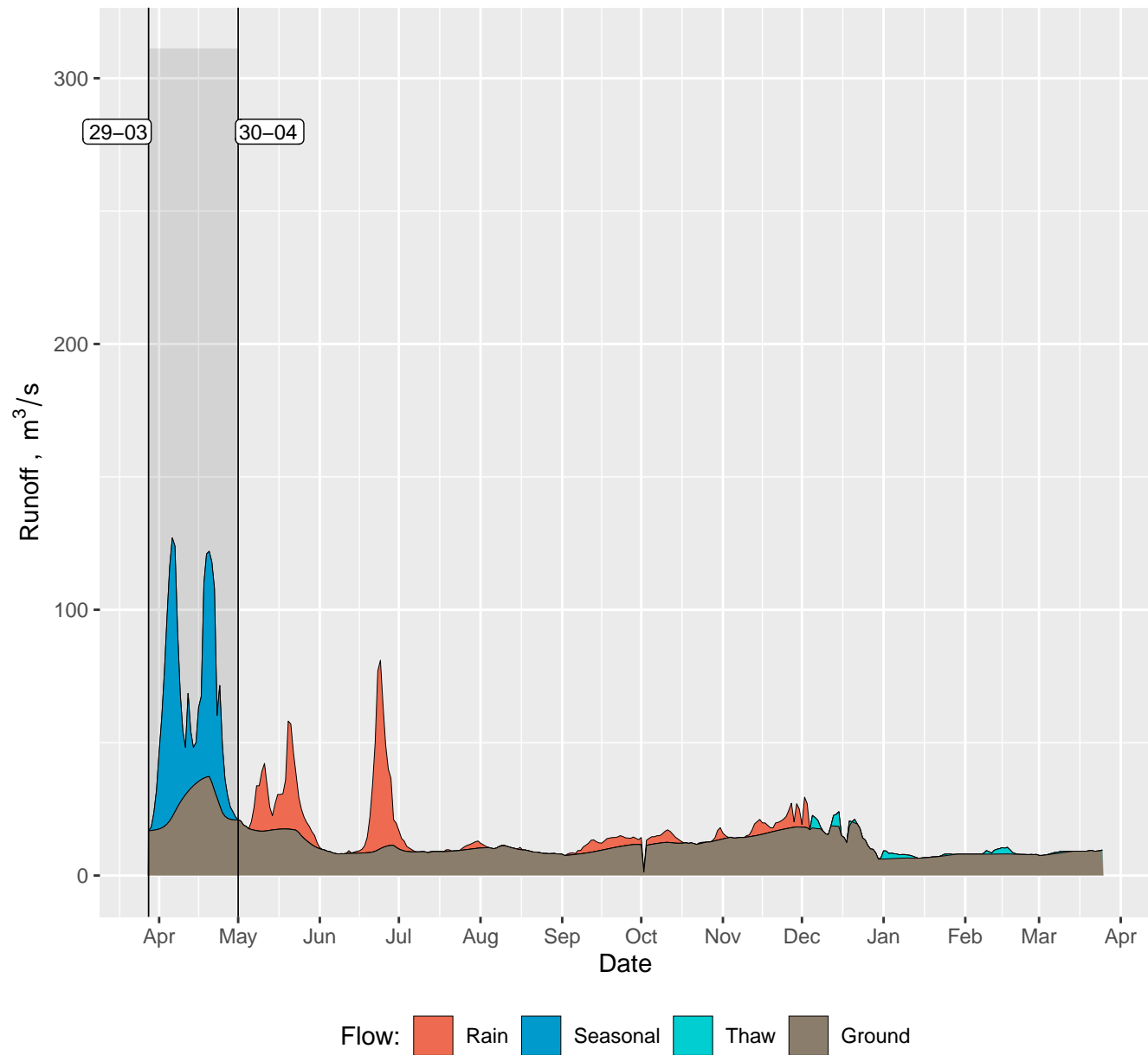
1978

1978-03-29 – 1979-03-25



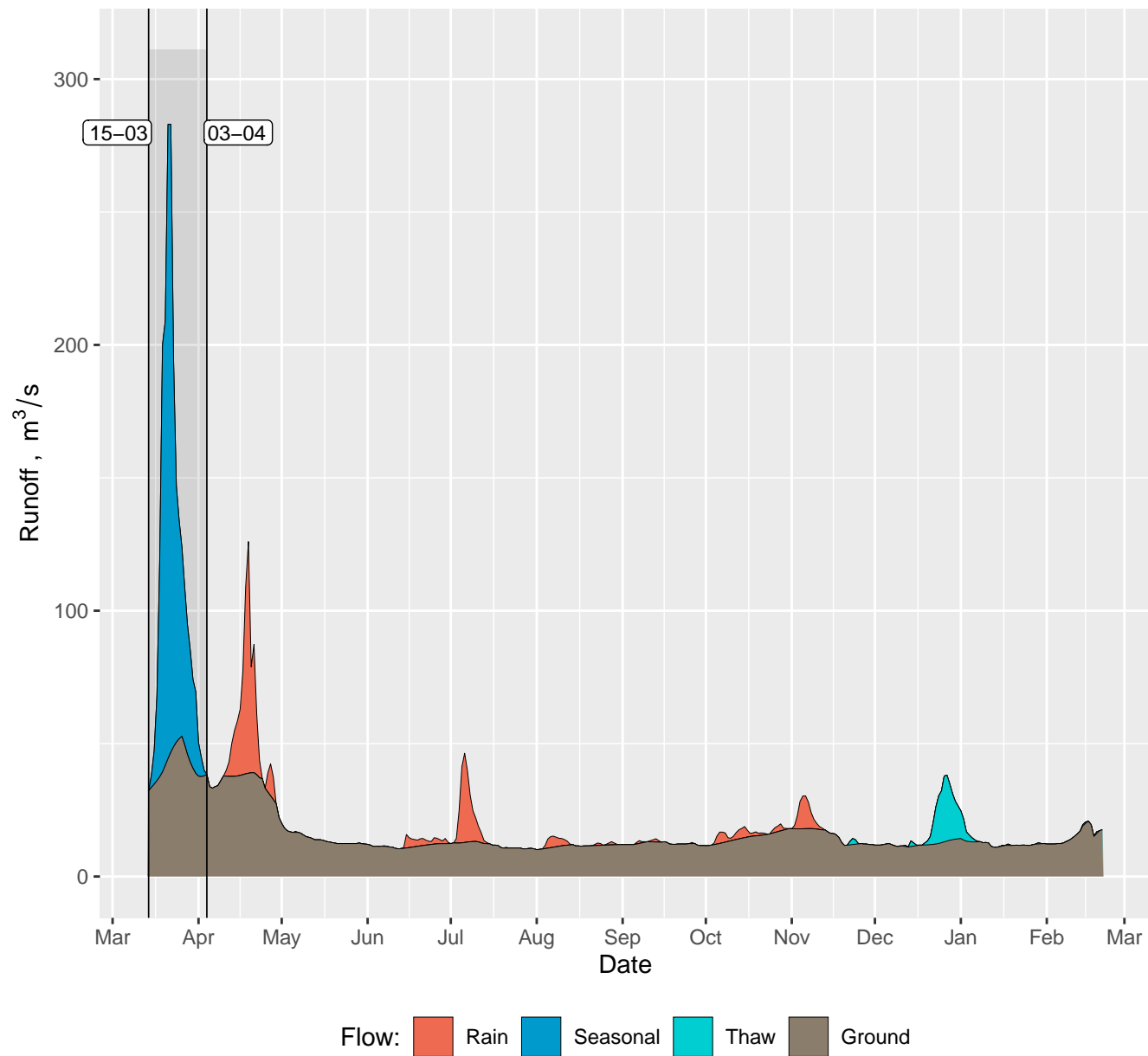
1978

1978-03-29 – 1979-03-25



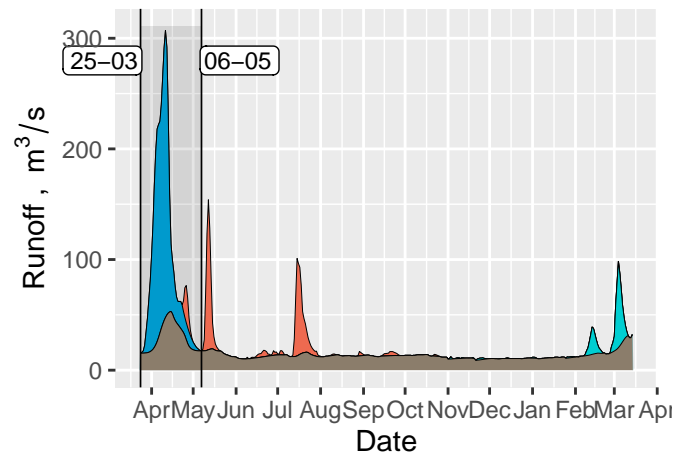
1989

1989-03-15 – 1990-02-21

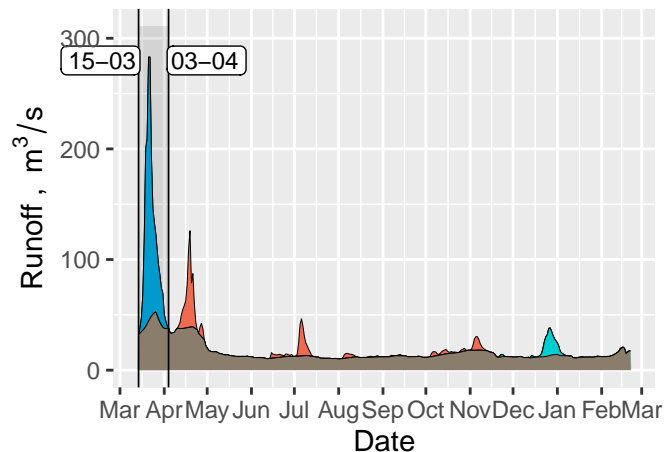


1988

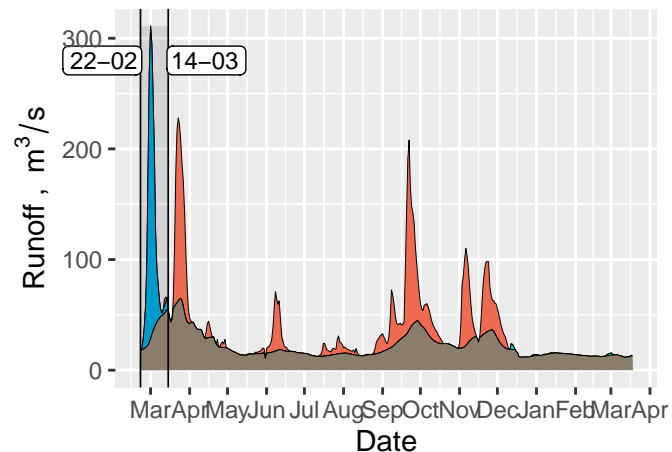
1988-03-25 – 1989-03-14

**1989**

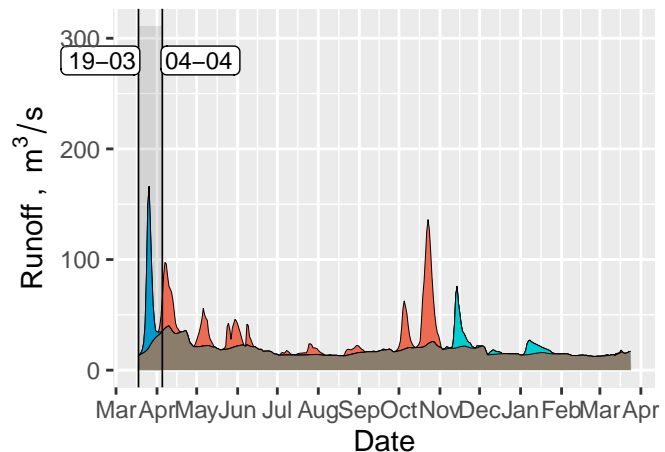
1989-03-15 – 1990-02-21

**1990**

1990-02-22 – 1991-03-18

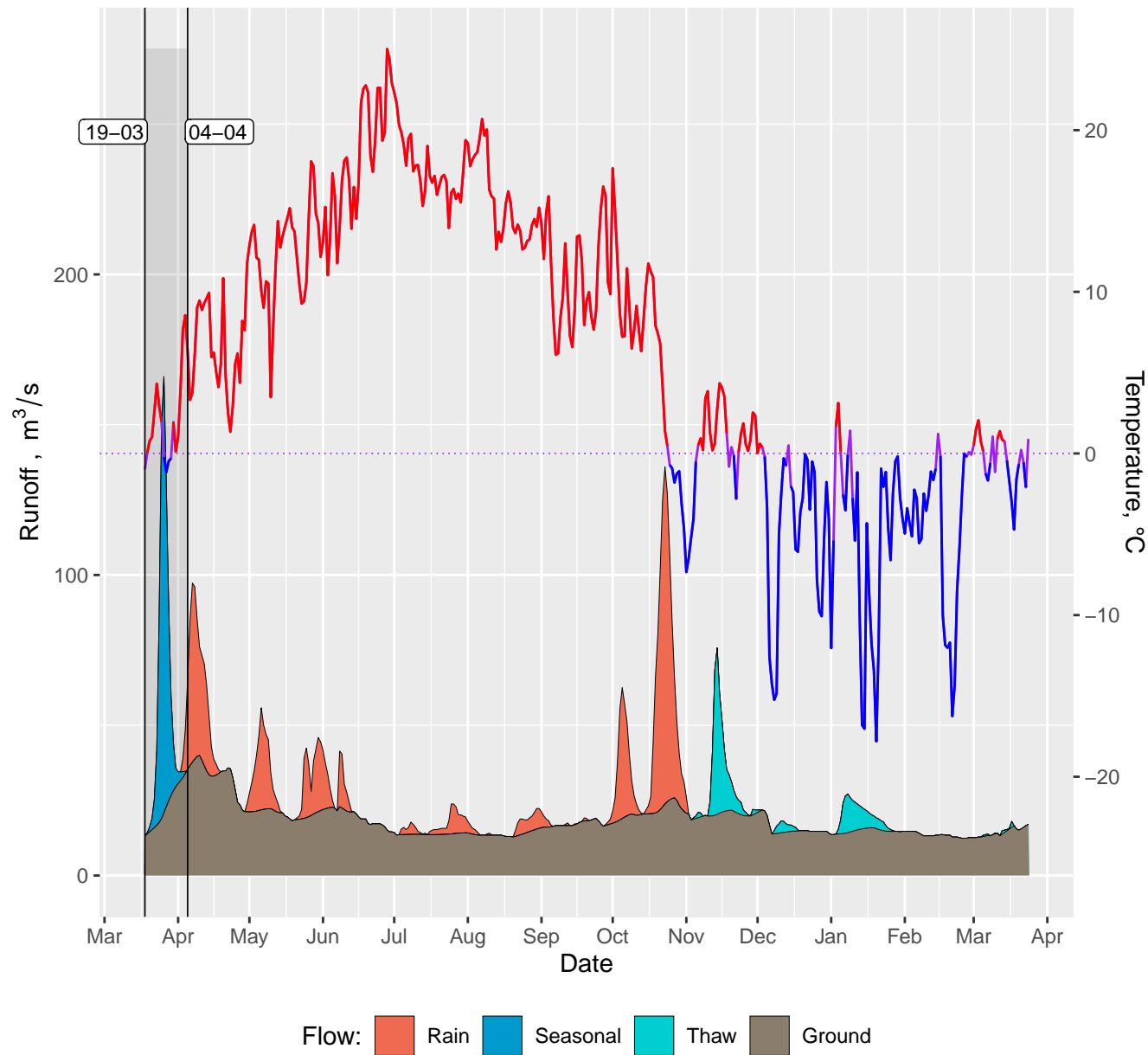
**1991**

1991-03-19 – 1992-03-24



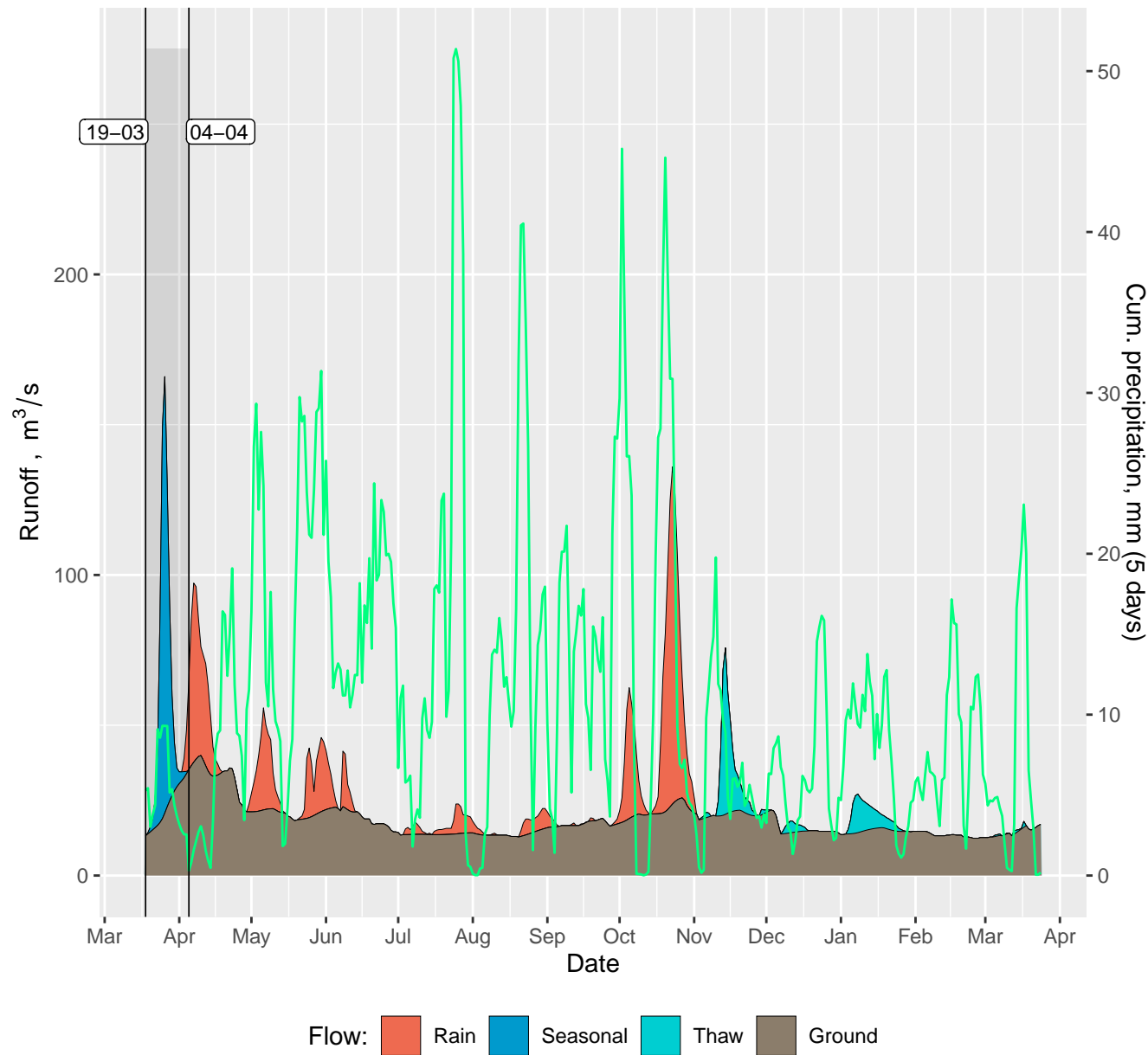
1991

1991-03-19 – 1992-03-24



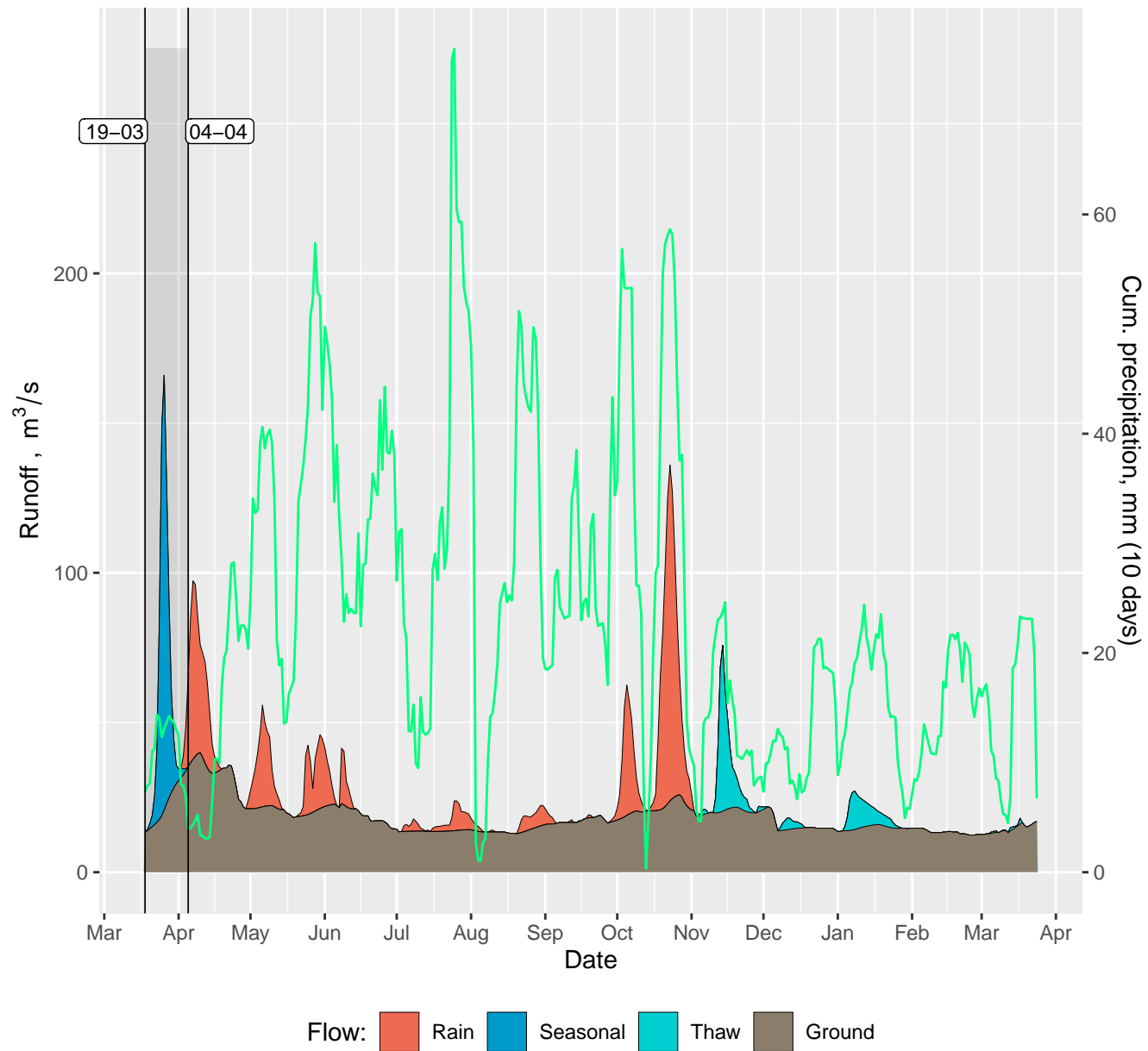
1991

1991-03-19 – 1992-03-24



1991

1991-03-19 – 1992-03-24

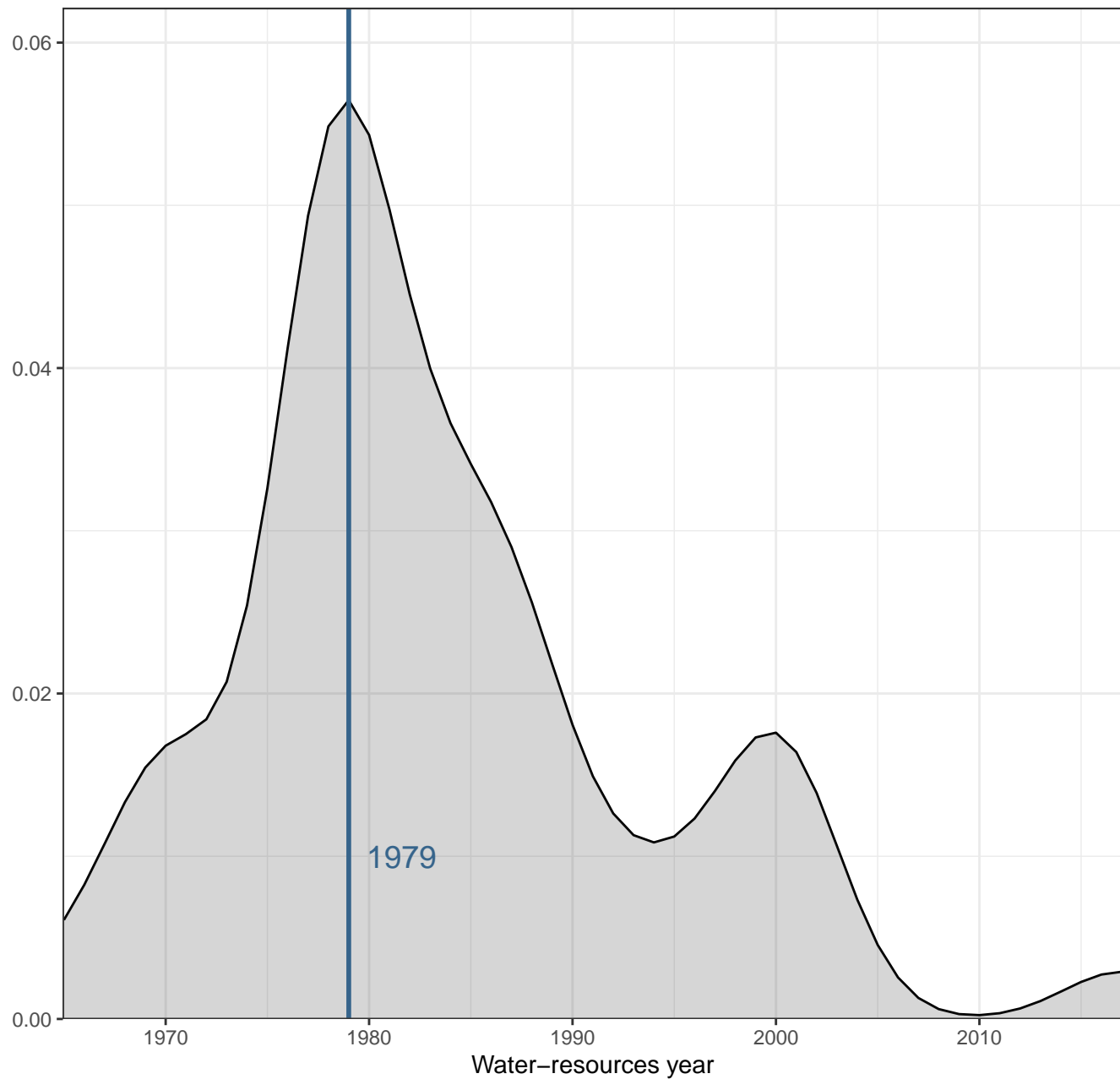


1991

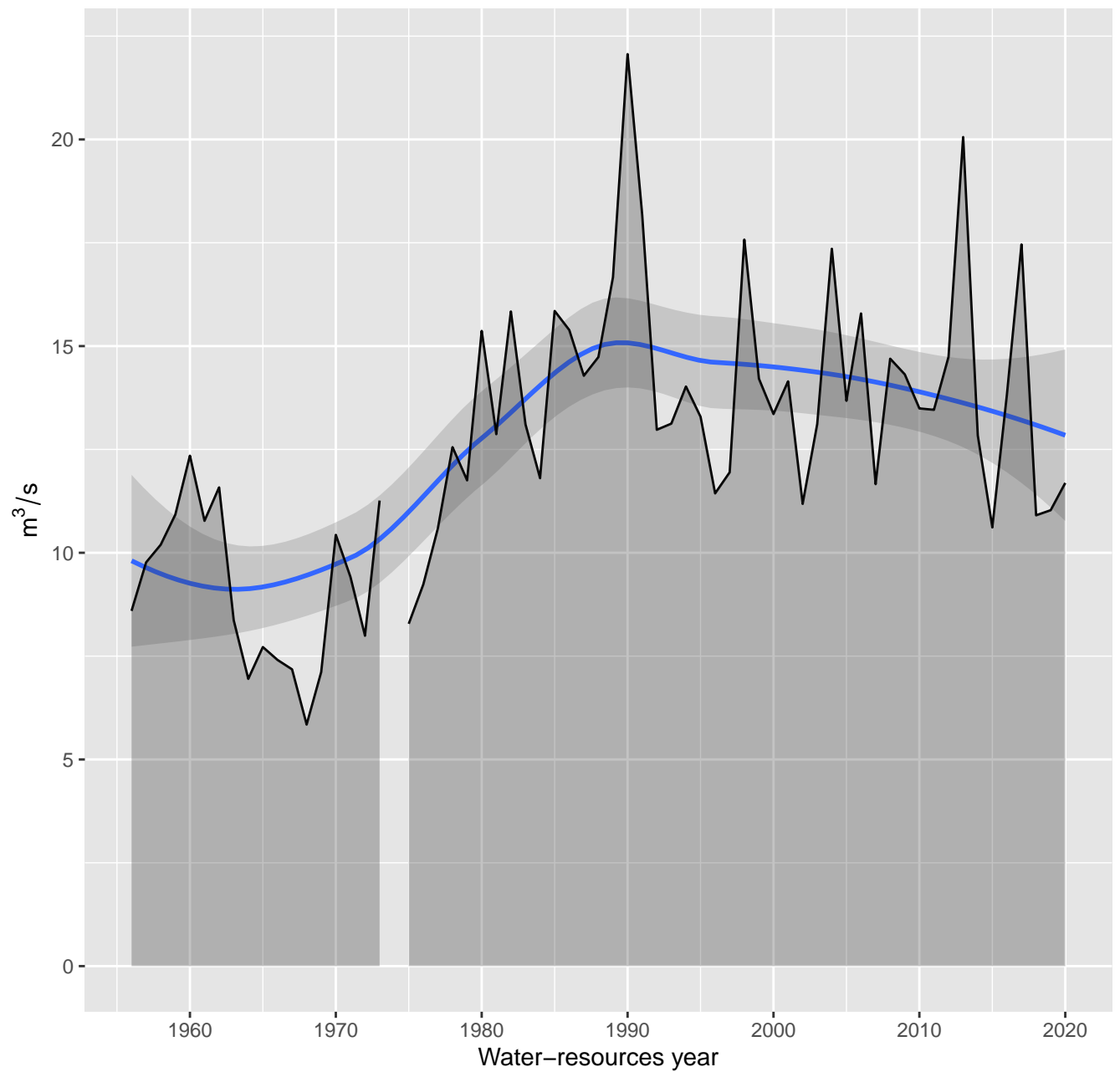
1991-03-19 – 1992-03-24



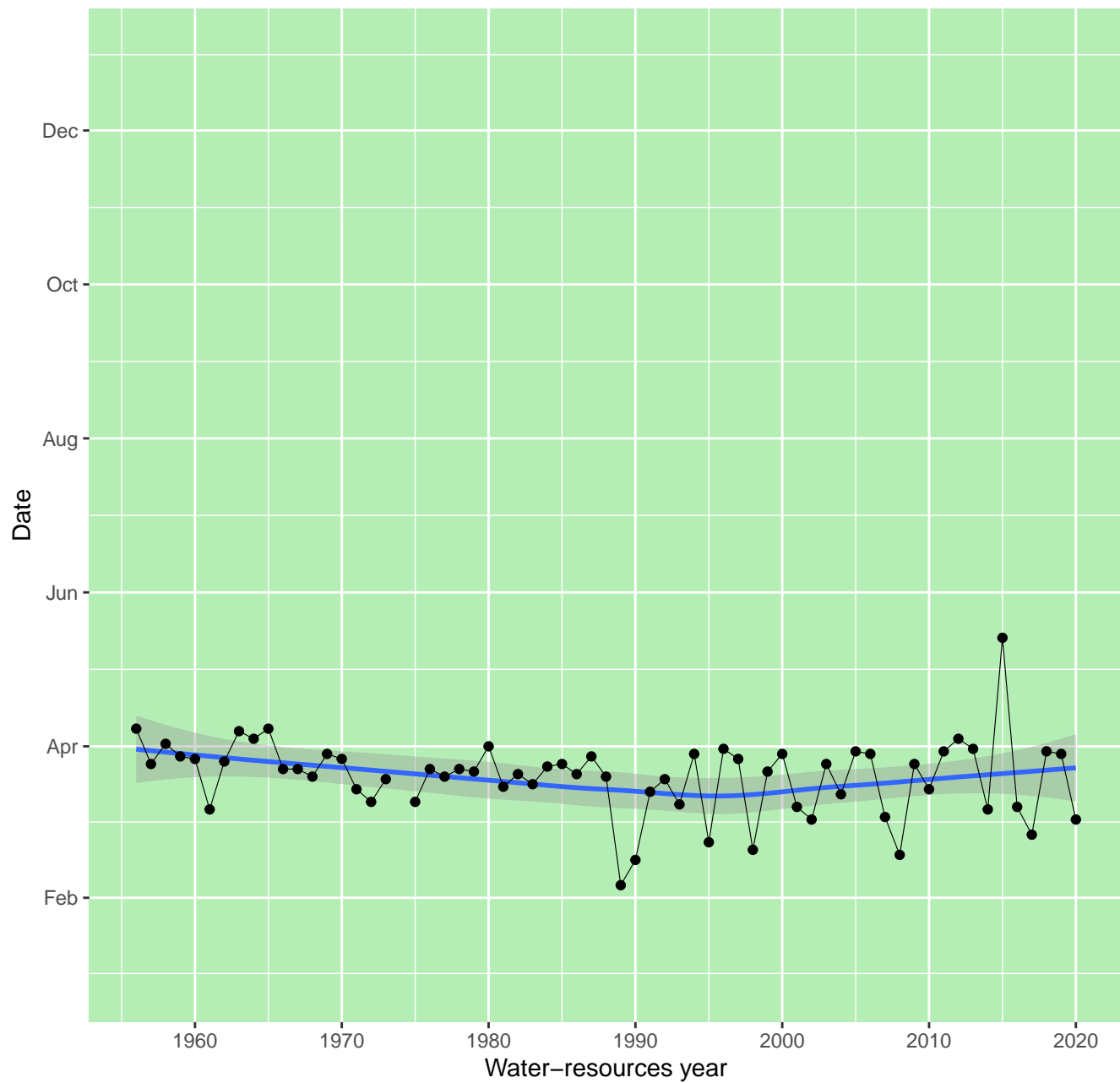
Change year distribution density



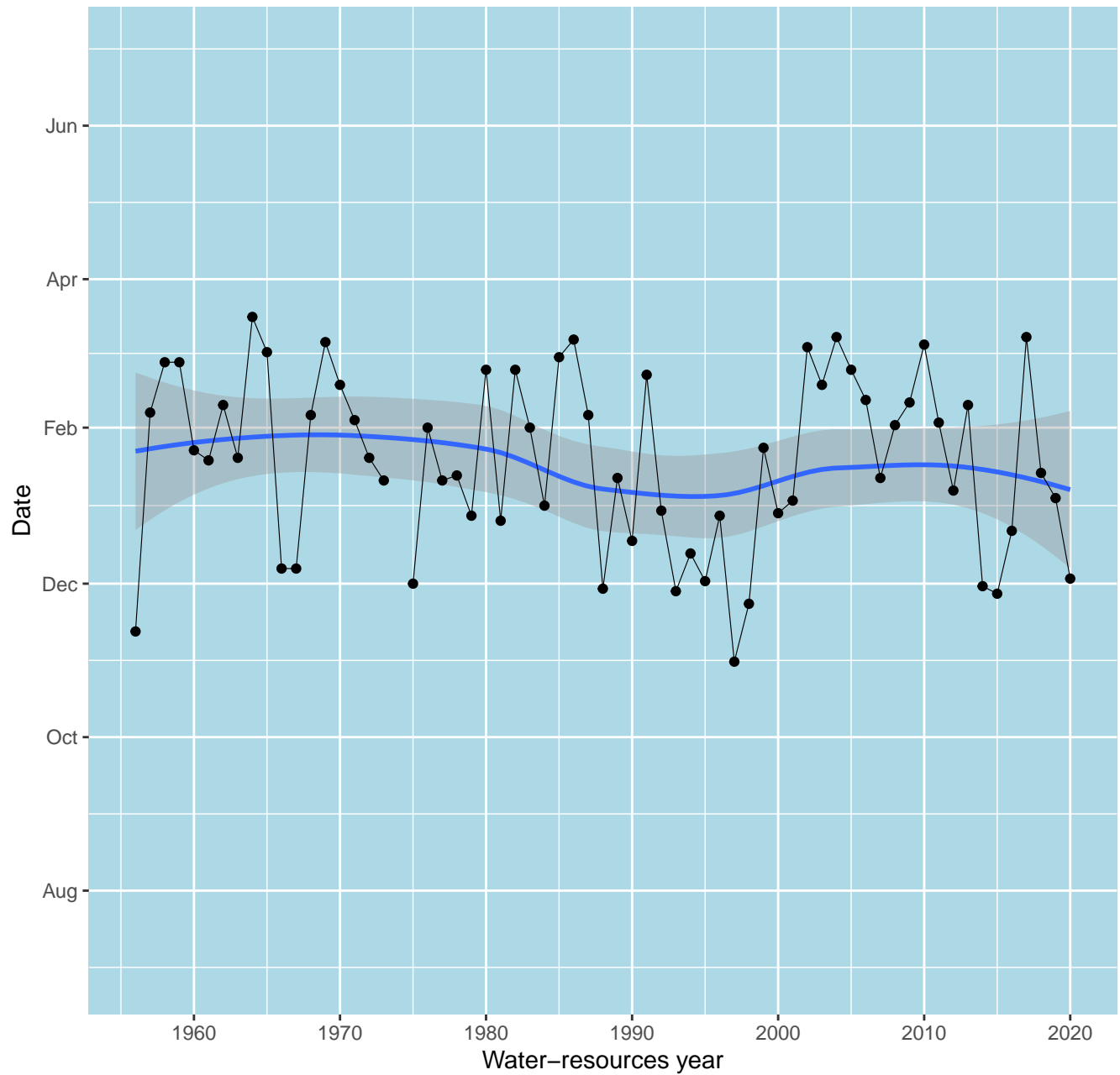
Mean annual groundwater ("baseflow") runoff



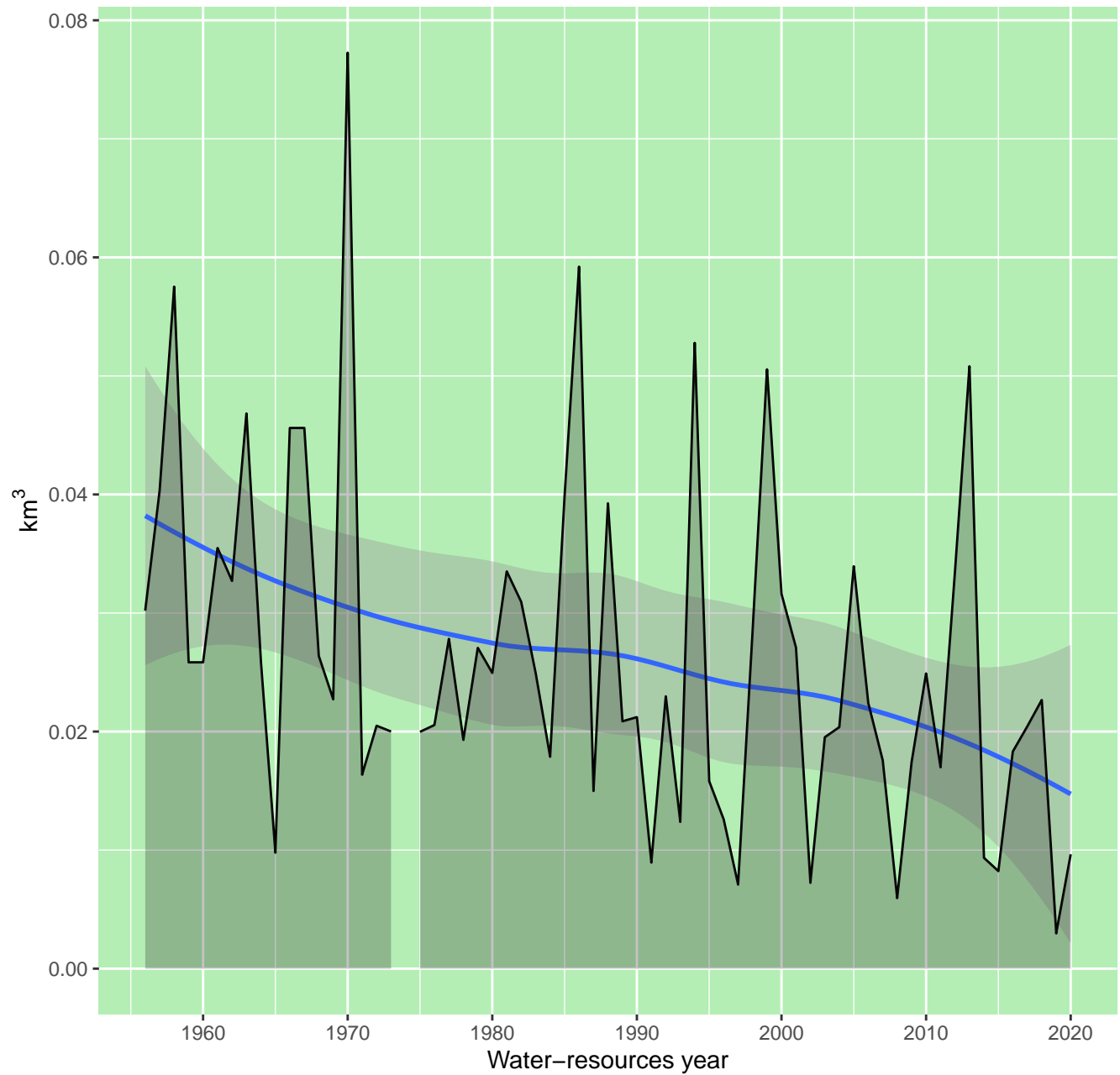
First date of a spring flood

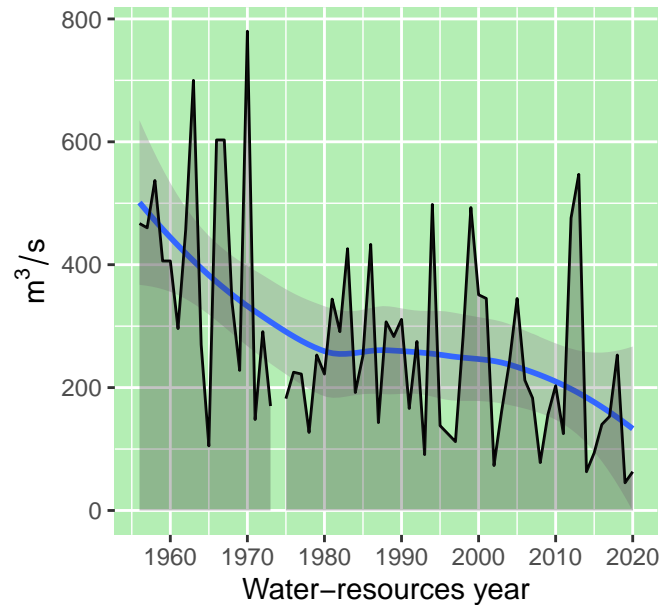
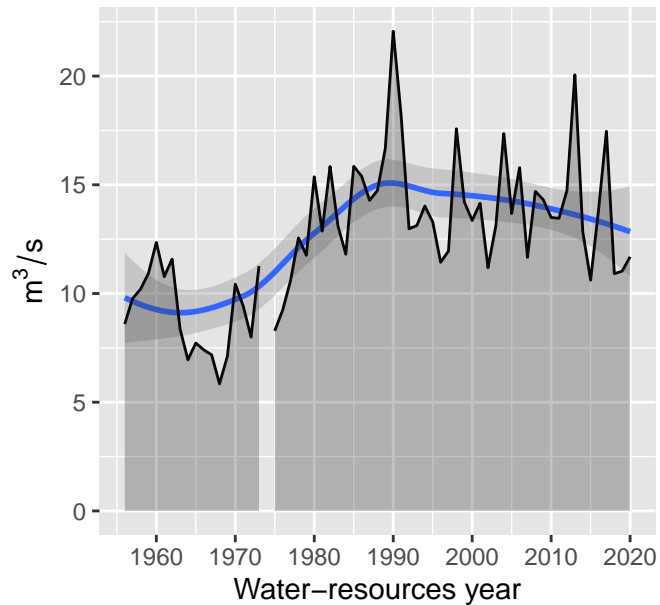
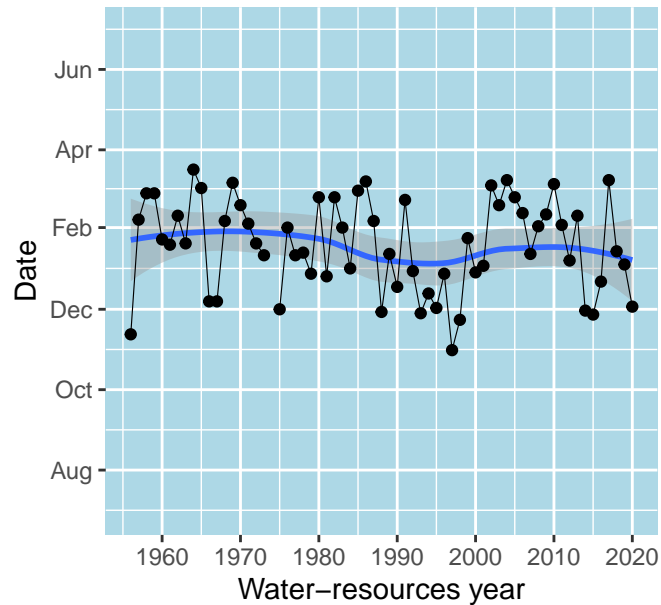
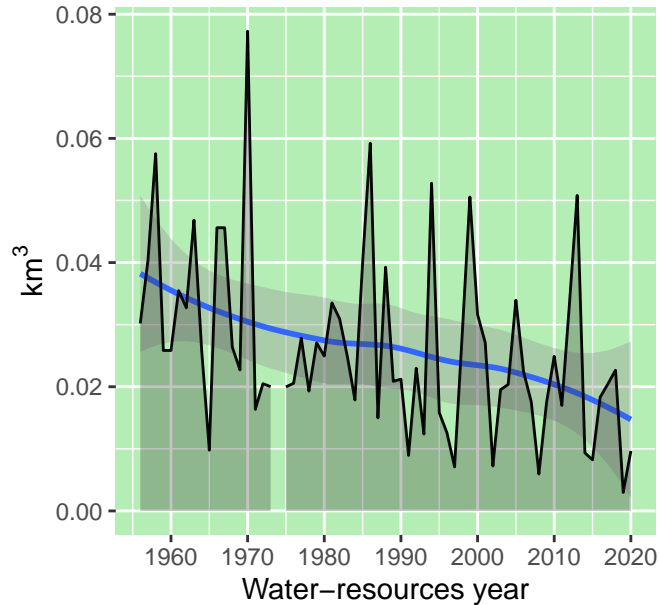


First date of minimum 10-day averaged winter runoff



Spring flood runoff volume (with groundwater and rain)

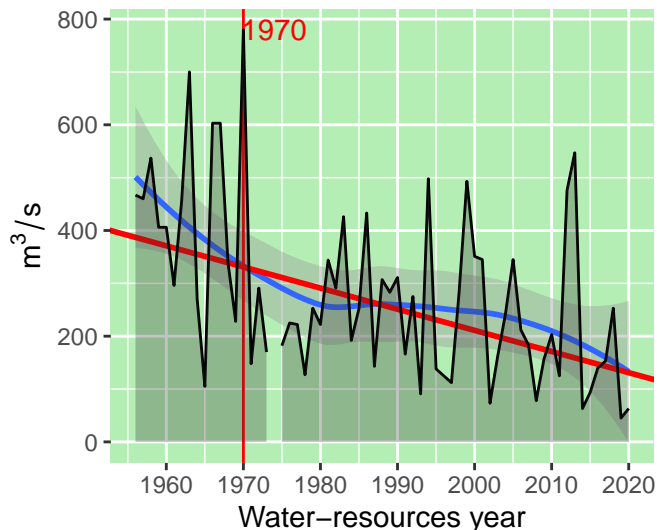


Maximum spring flood runoff**Mean annual groundwater ("baseflow")****First date of minimum 10-day average****Spring flood runoff volume (with gro**

Maximum spring flood runoff

Mann–Kendall: $z = -3.946$, $p = 8e-05$

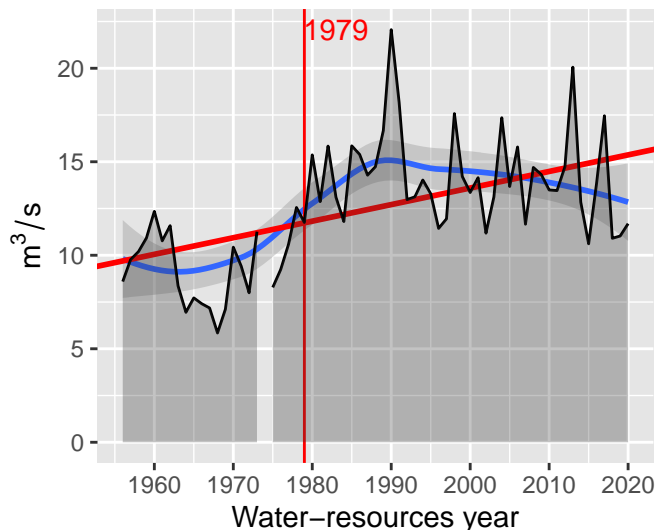
Theil–Sen: $i = -4$, $p = 0$. Pettitt: $U^* = 481$, p



Mean annual groundwater ("baseflow")

Mann–Kendall: $z = 4.374$, $p = 1e-05$

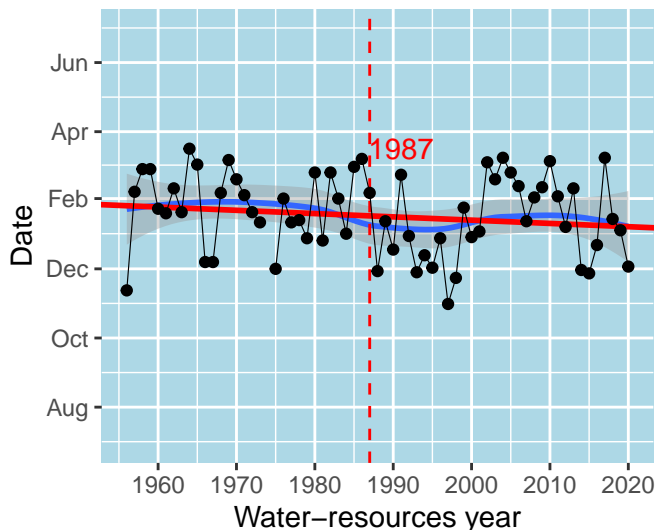
Theil–Sen: $i = 0.08862$, $p = 0$. Pettitt: $U^* = 8$



First date of minimum 10-day average

Mann–Kendall: $z = -1.142$, $p = 0.25361$

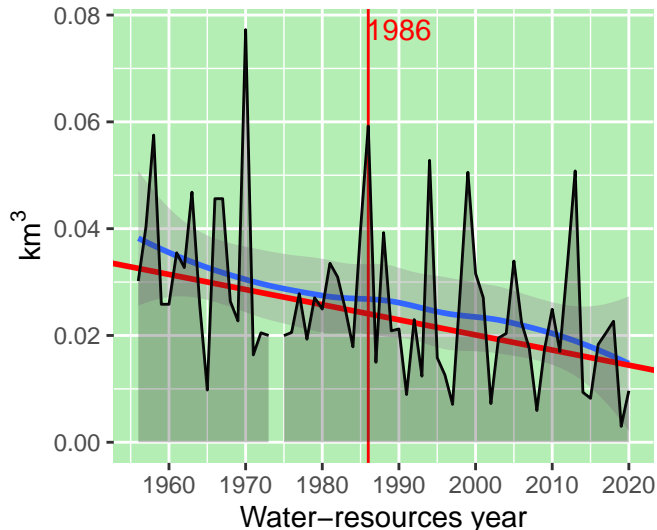
Theil–Sen: $i = -0.2892$, $p = 4e-05$. Pettitt: $U^* = 481$, p



Spring flood runoff volume (with gro

Mann–Kendall: $z = -3.372$, $p = 0.00075$

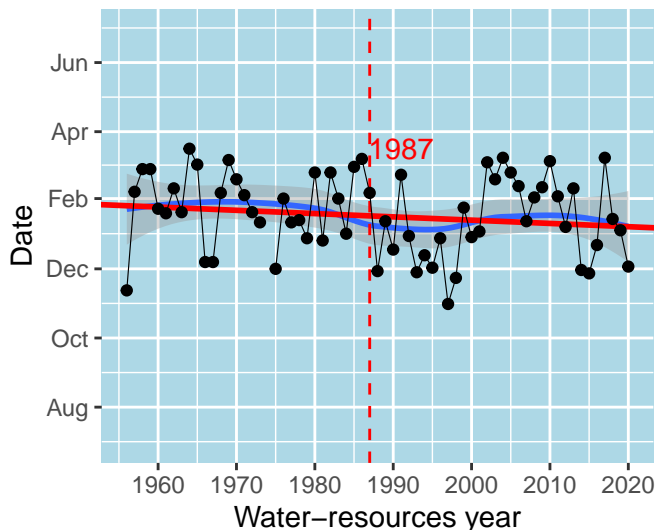
Theil–Sen: $i = -0.00028$, $p = 0$. Pettitt: $U^* = 481$, p



First date of minimum 10-day average

Mann-Kendall: $z = -1.142$, $p = 0.25361$

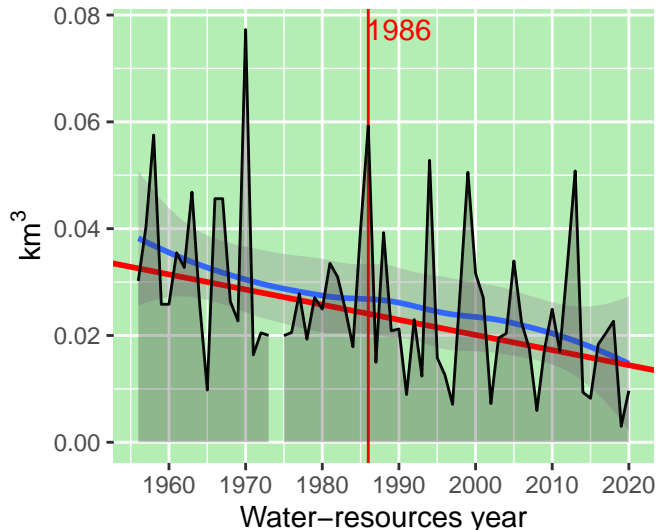
Theil-Sen: $i = -0.2892$, $p = 4e-05$. Pettitt: U



Spring flood runoff volume (with gro

Mann-Kendall: $z = -3.372$, $p = 0.00075$

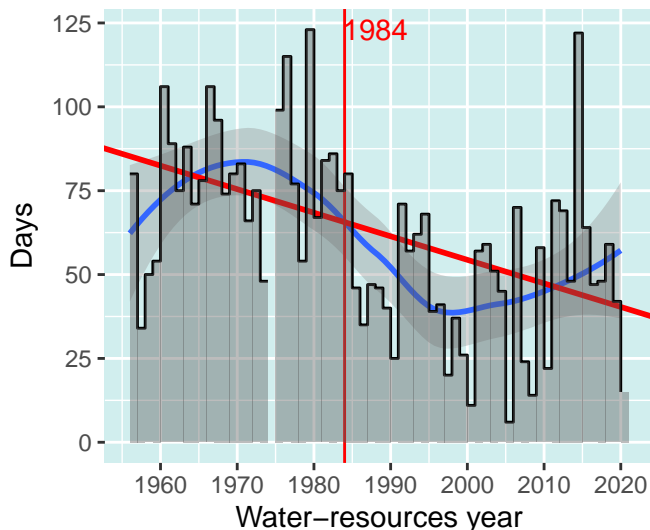
Theil-Sen: $i = -0.00028$, $p = 0$. Pettitt: U*



Number of thaw flood days

Mann-Kendall: $z = -4.039$, $p = 5e-05$

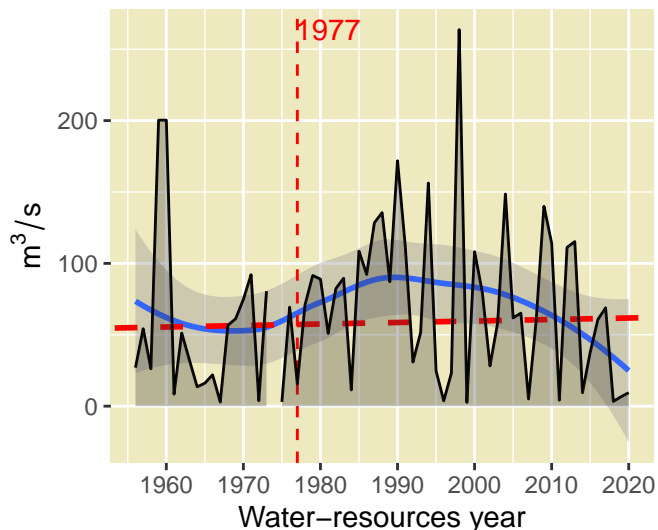
Theil-Sen: $i = -0.70213$, $p = 0$. Pettitt: U*



Maximum rain flood runoff

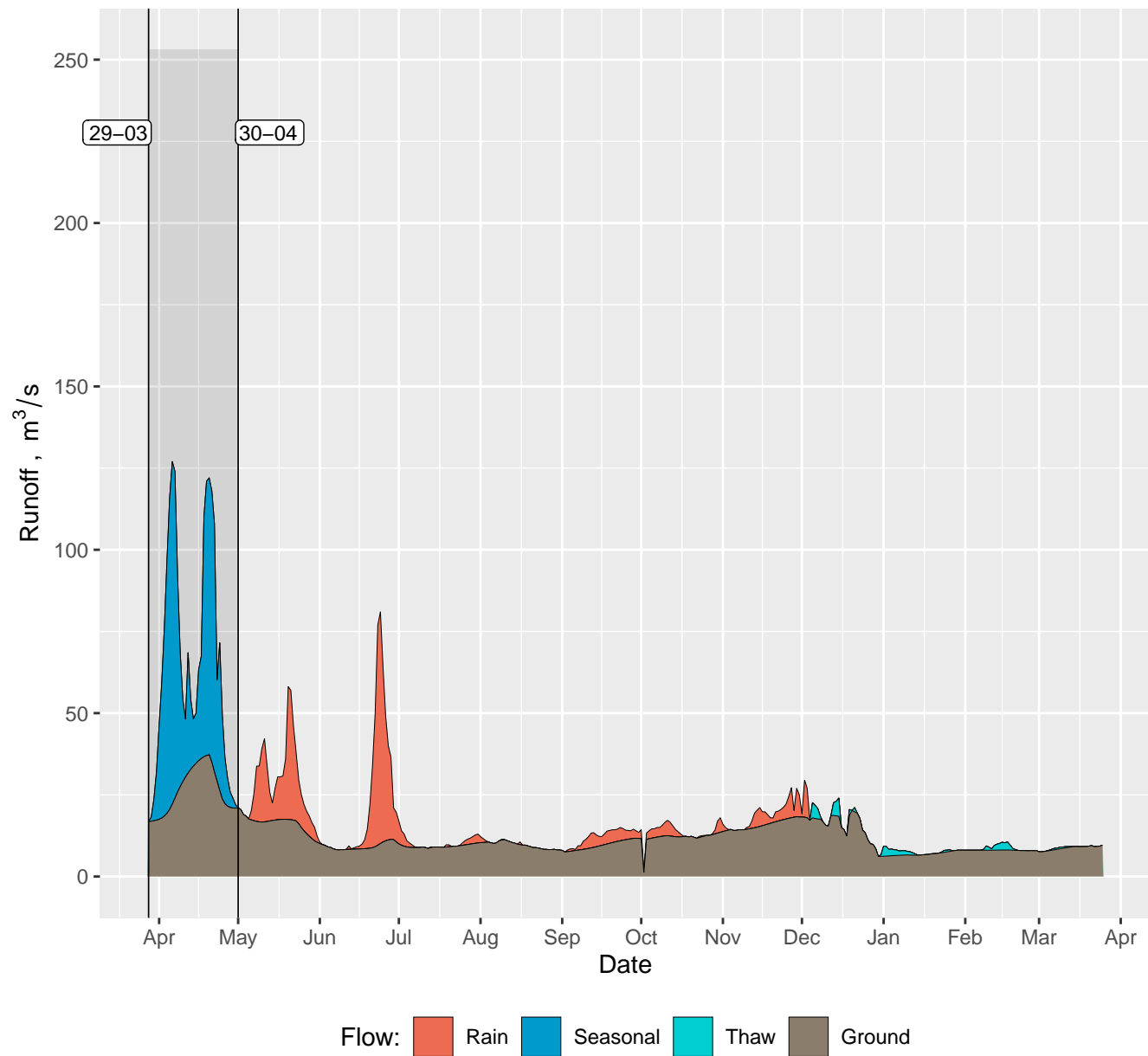
Mann-Kendall: $z = 0.411$, $p = 0.68081$

Theil-Sen: $i = 0.10523$, $p = 0.17458$. Pettitt:



1978

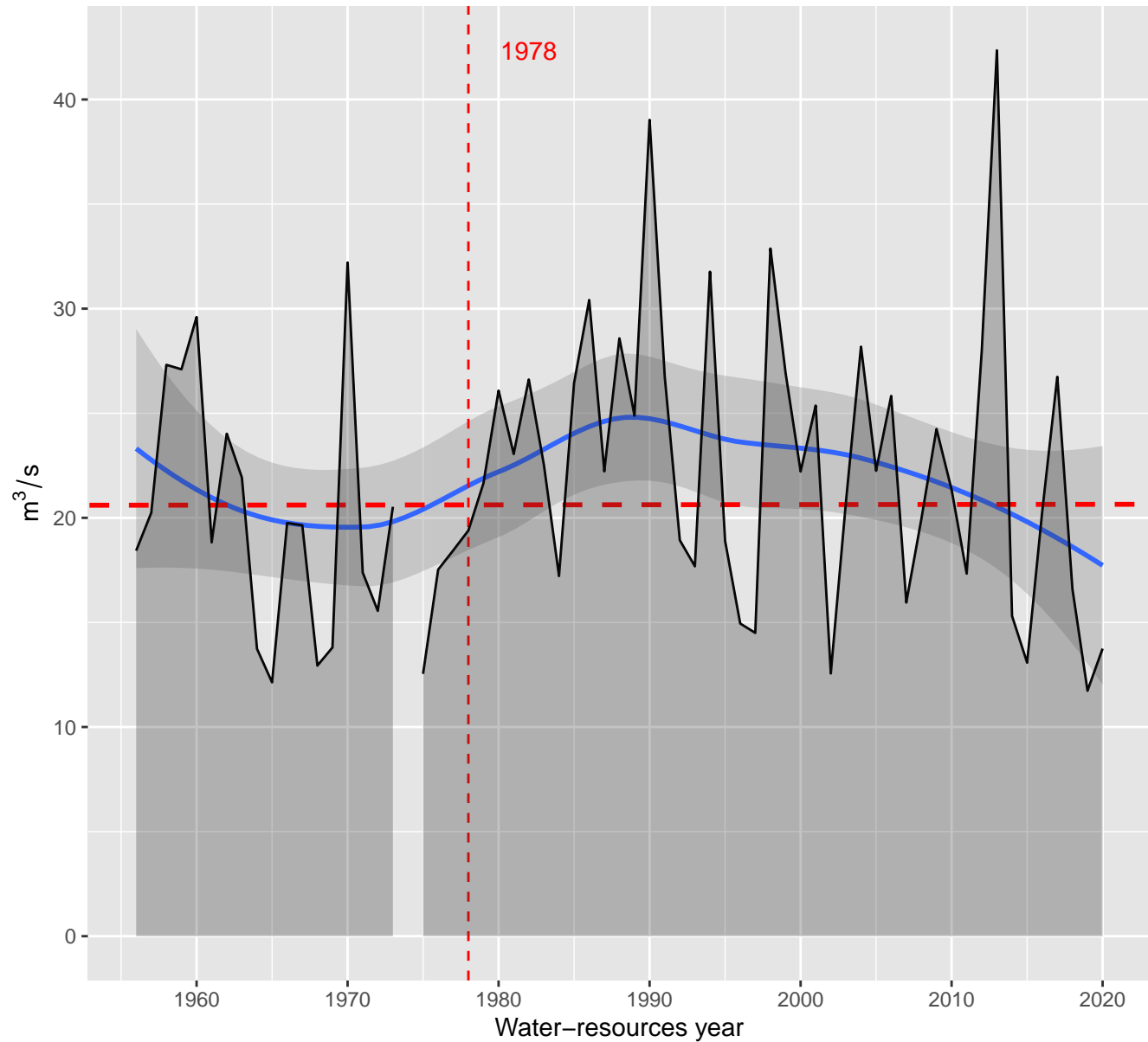
1978-03-29 – 1979-03-25



Mean annual runoff

Mann–Kendall: $z = 0.017$, $p = 0.98613$

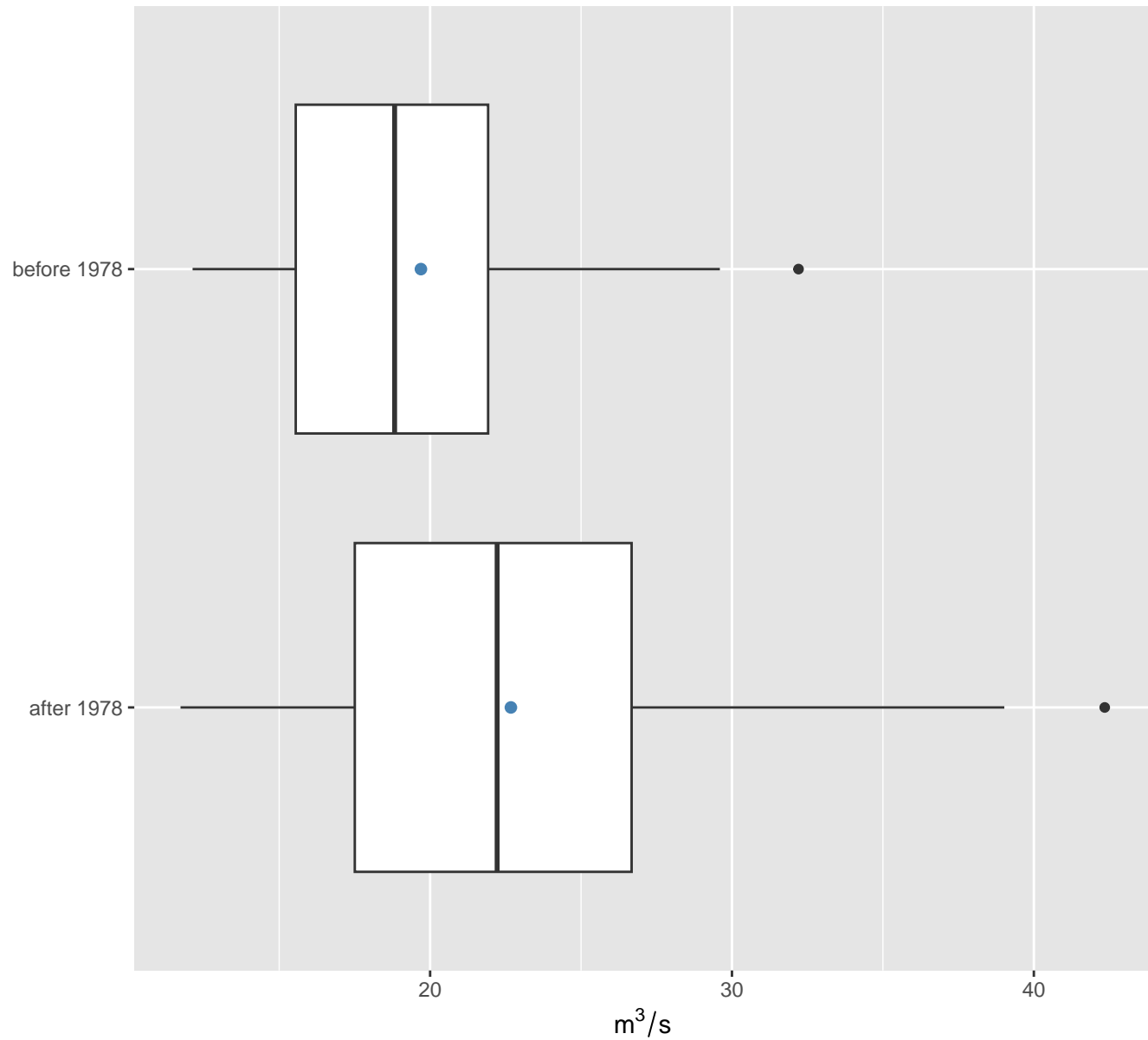
Theil–Sen: $i = 0.00065$, $p = 0.71659$. Pettitt: $U^* = 252$, $p = 0.47808$



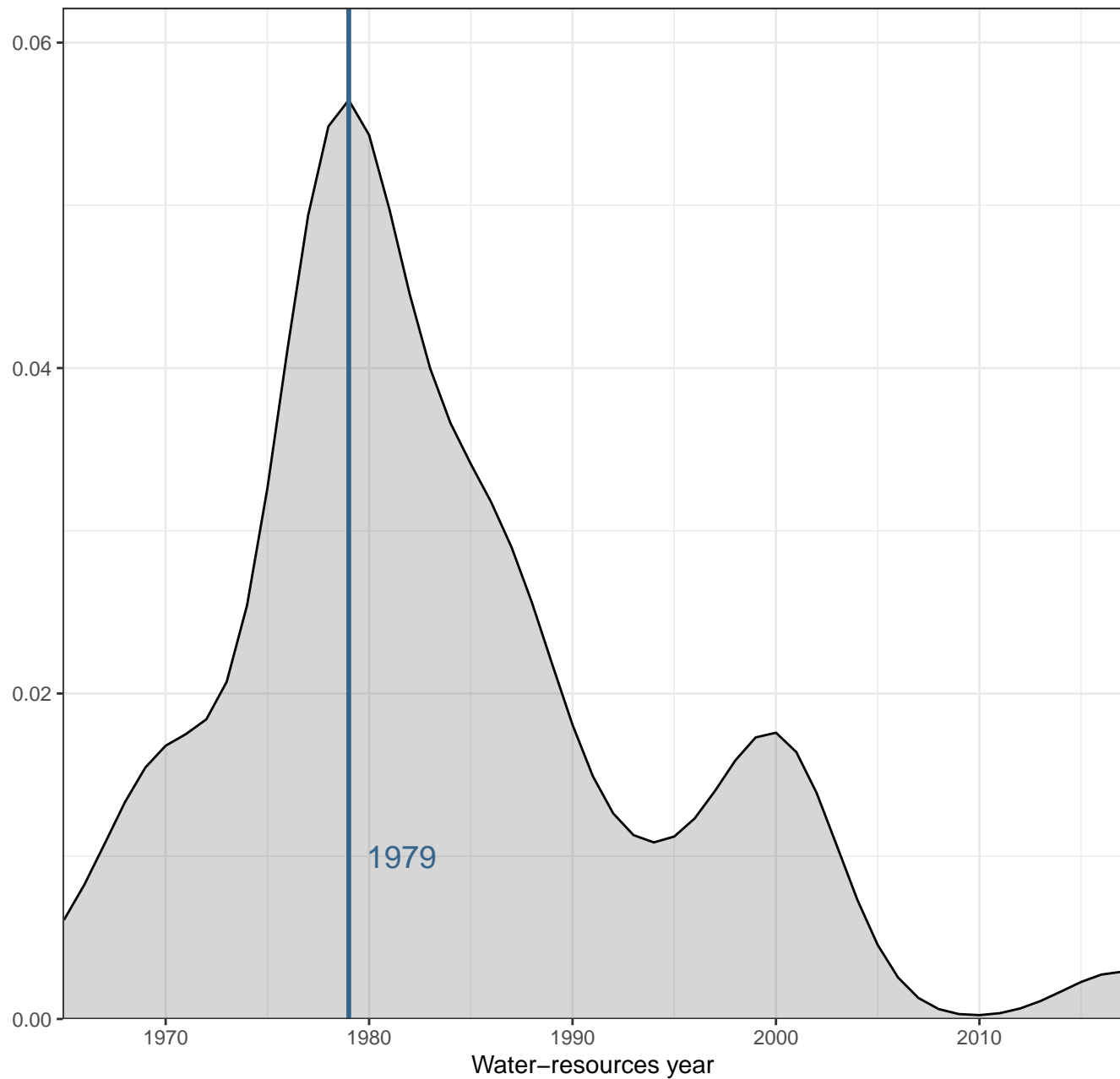
Mean annual runoff

Student: $t = -1.914$, $p = 0.06136$, $m1 = 19.696$, $m2 = 22.676$

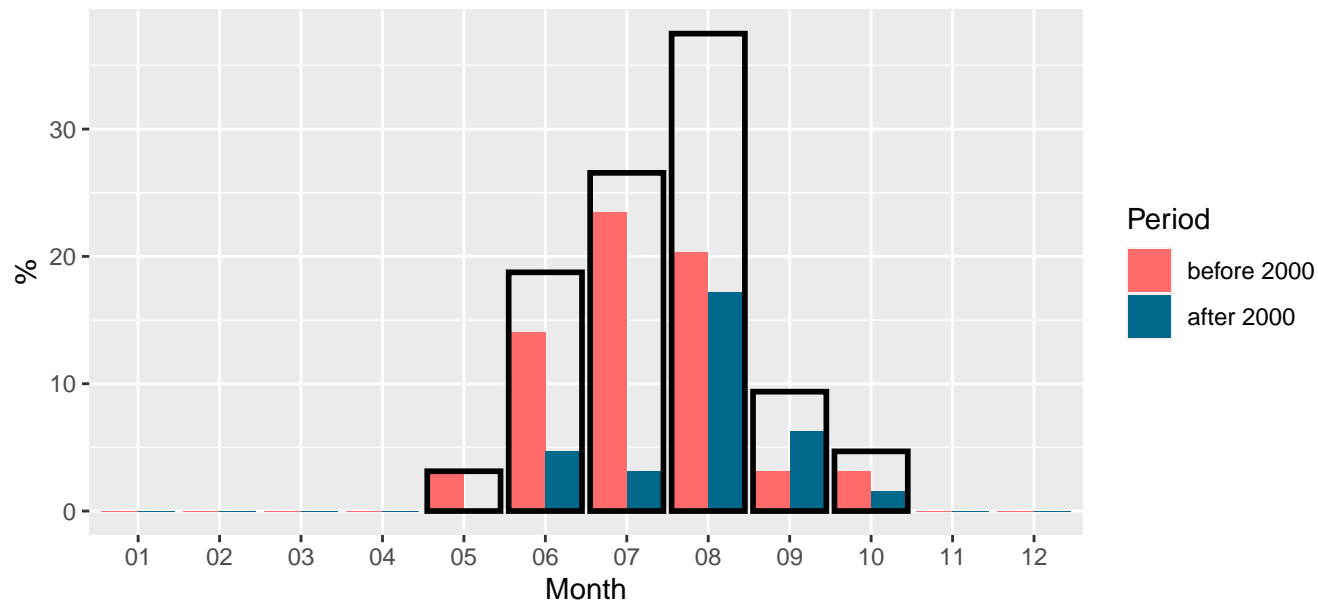
Fisher: $F = 0.614$, $p = 0.23999$, $cv1 = 0.289$, $cv2 = 0.297$



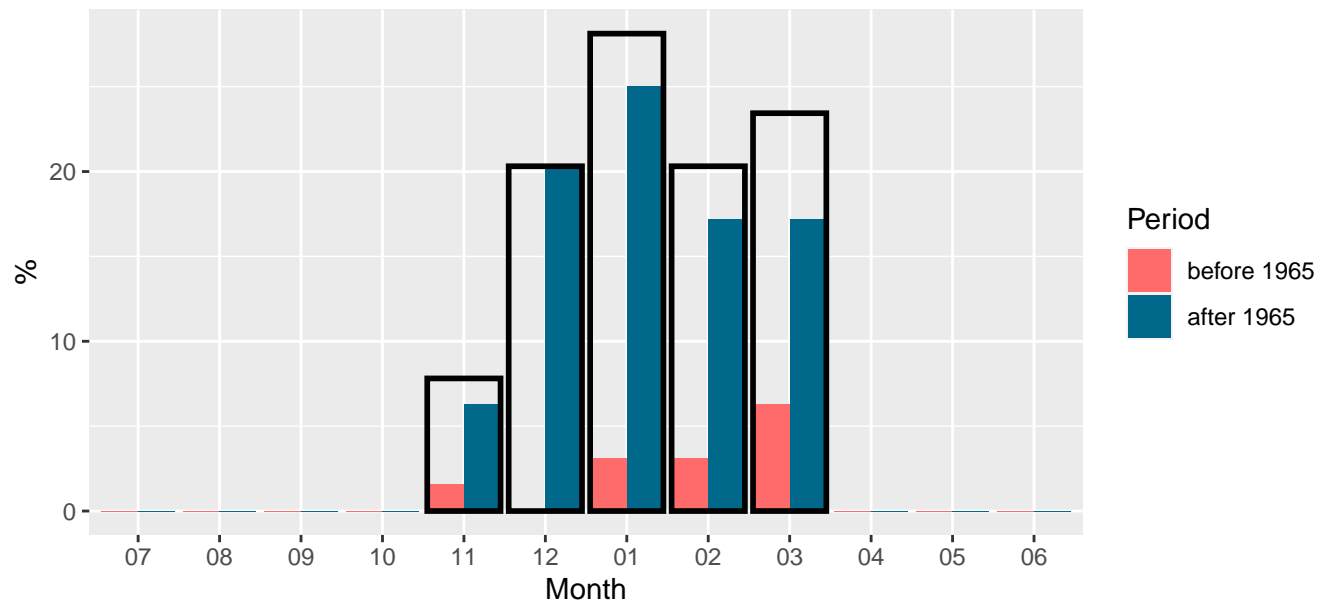
Change year distribution density

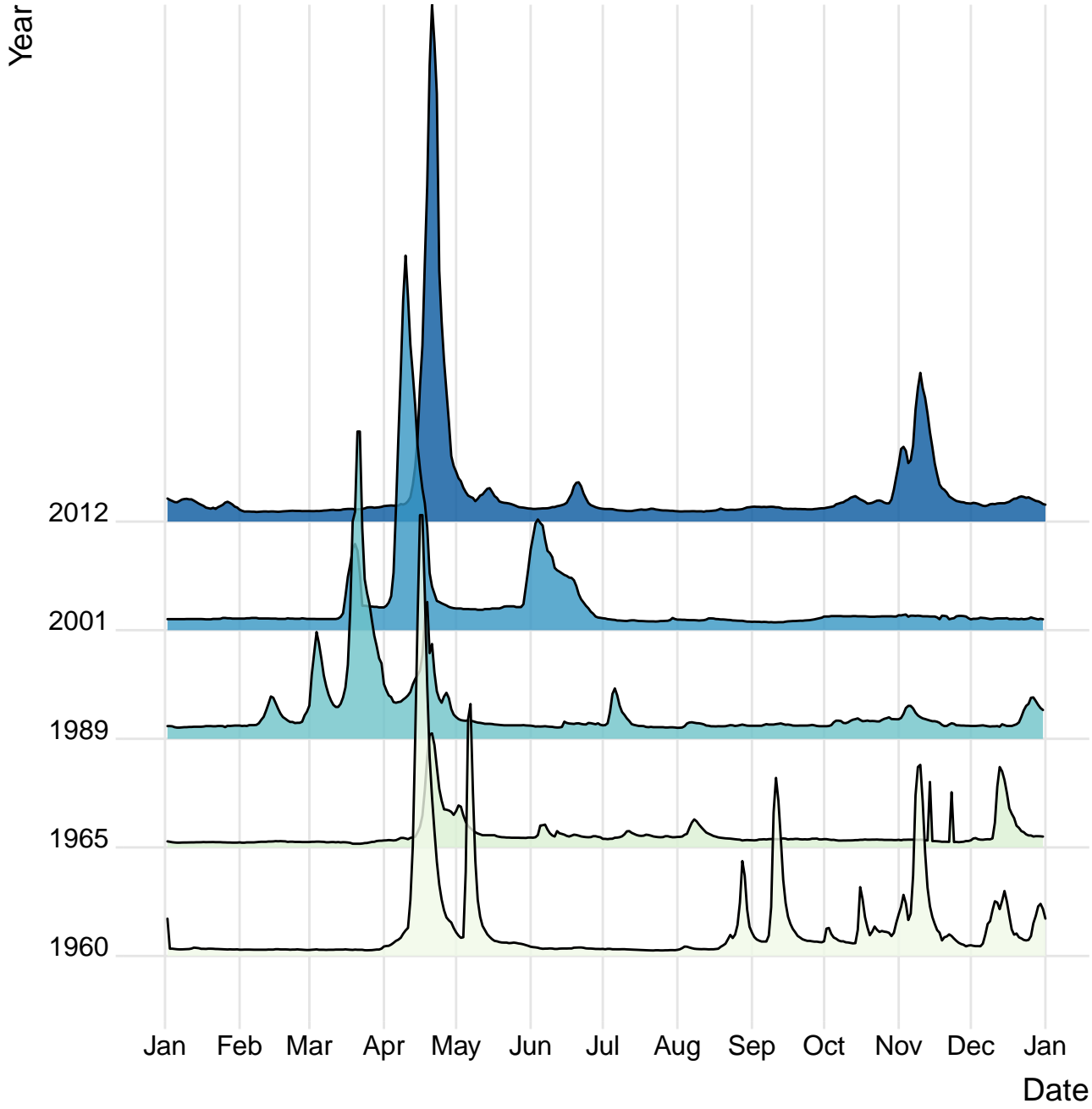


Month of a minimum monthly runoff during summer



Month of a minimum monthly runoff during winter





Runoff

