

σ

boughton

jakeman

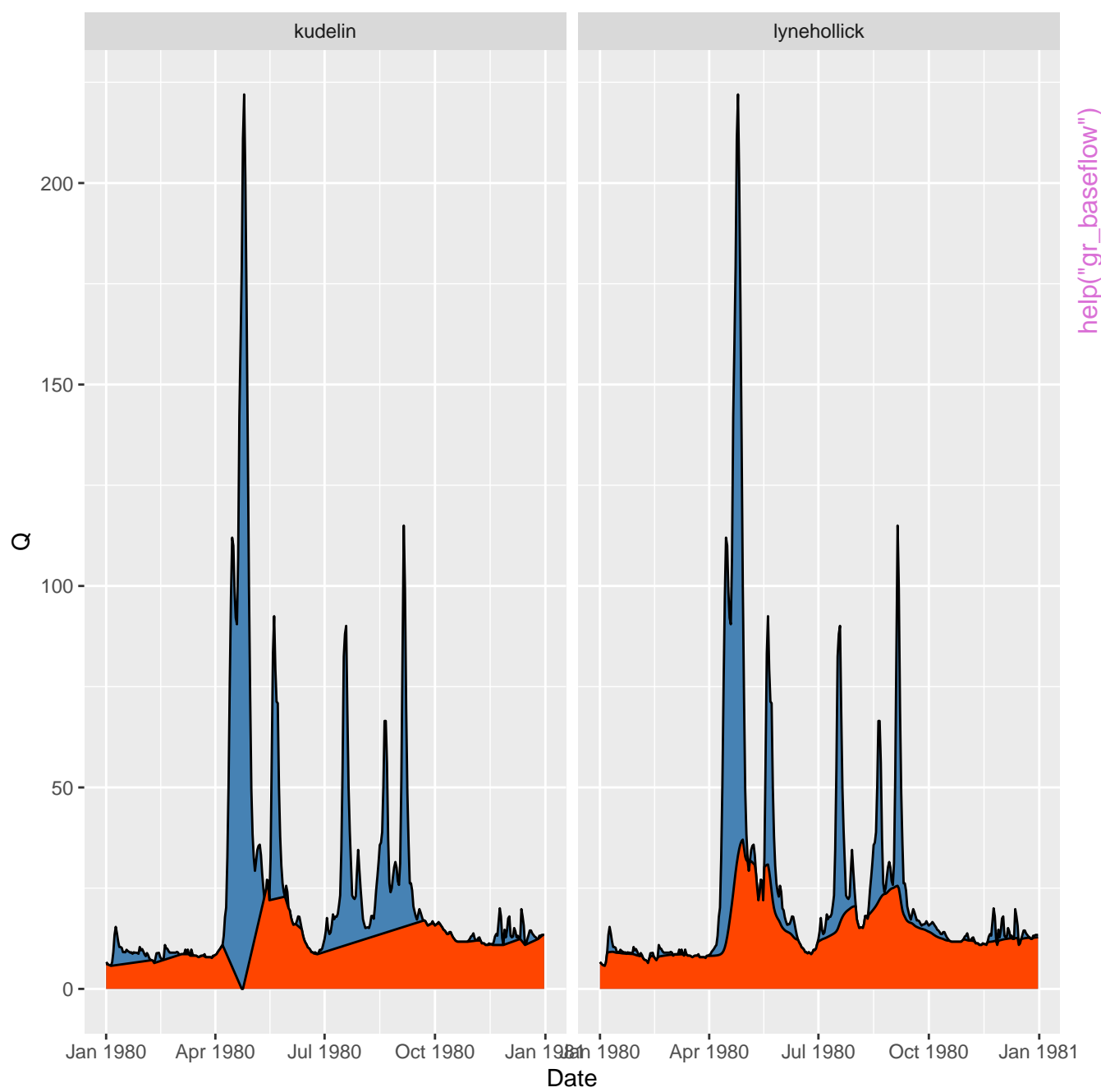
help("gr_baseflow")

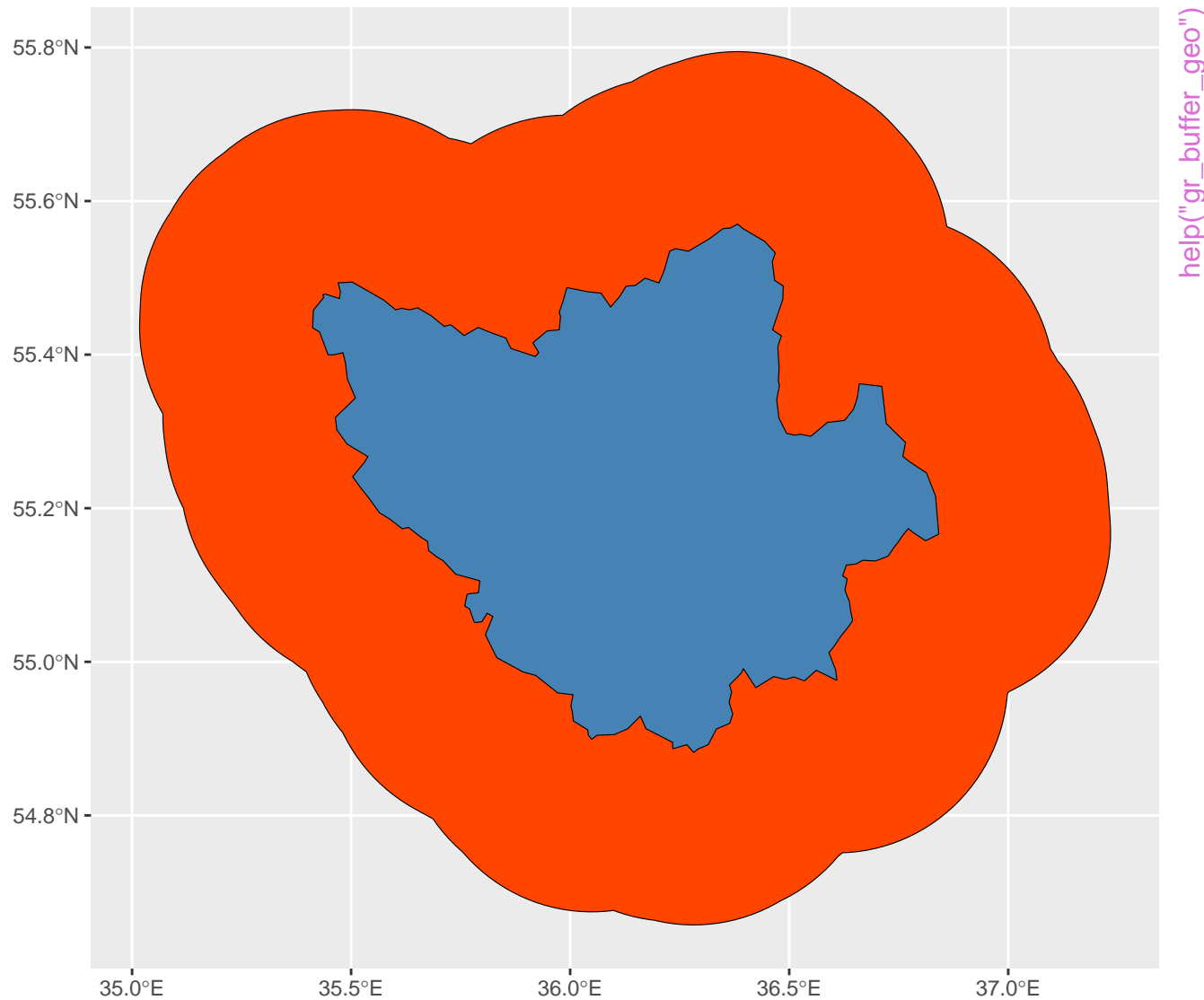
lynehollick

maxwell

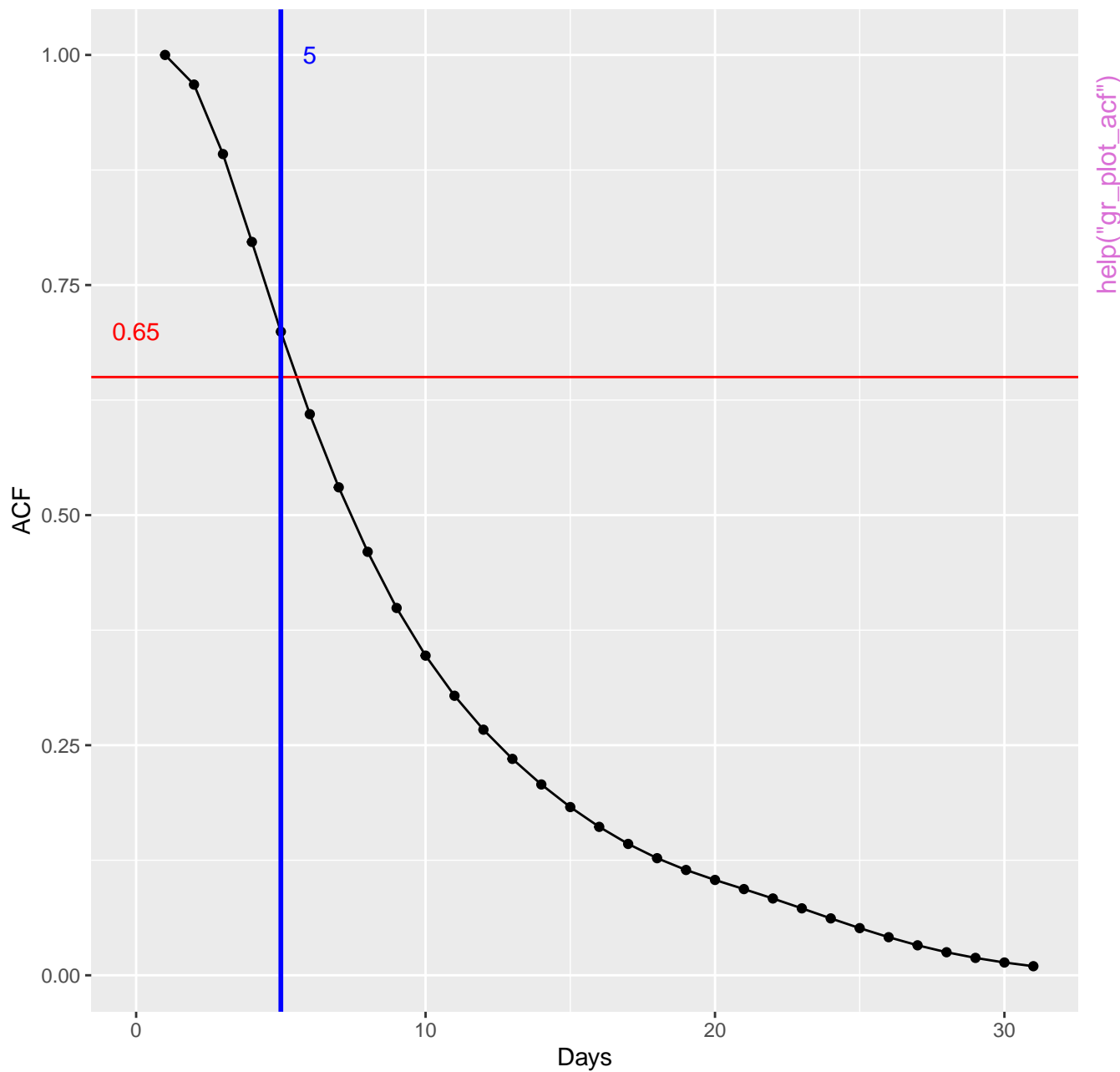
Jan 1981 Apr 1981 Jul 1981 Oct 1981 Jan 1982

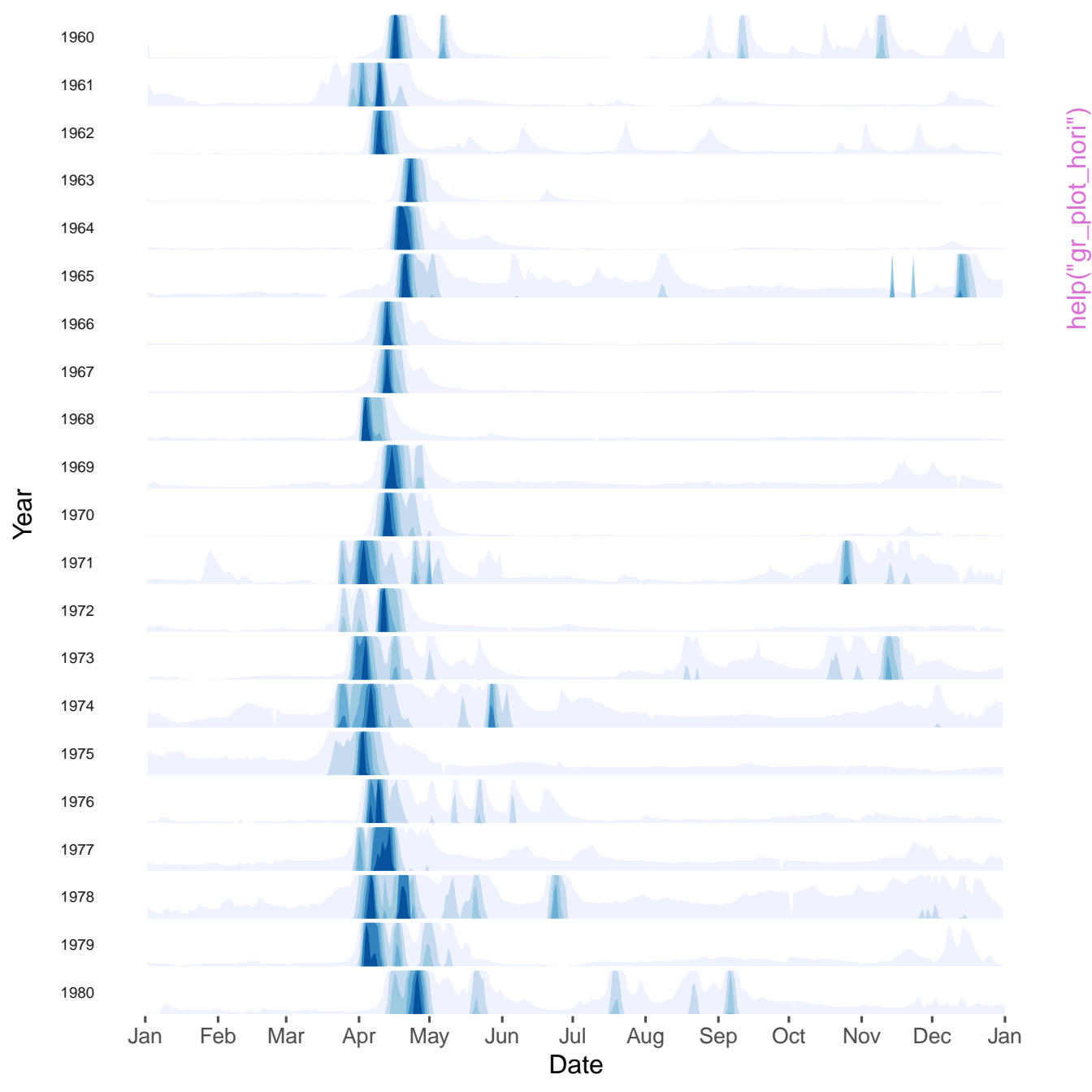
Date



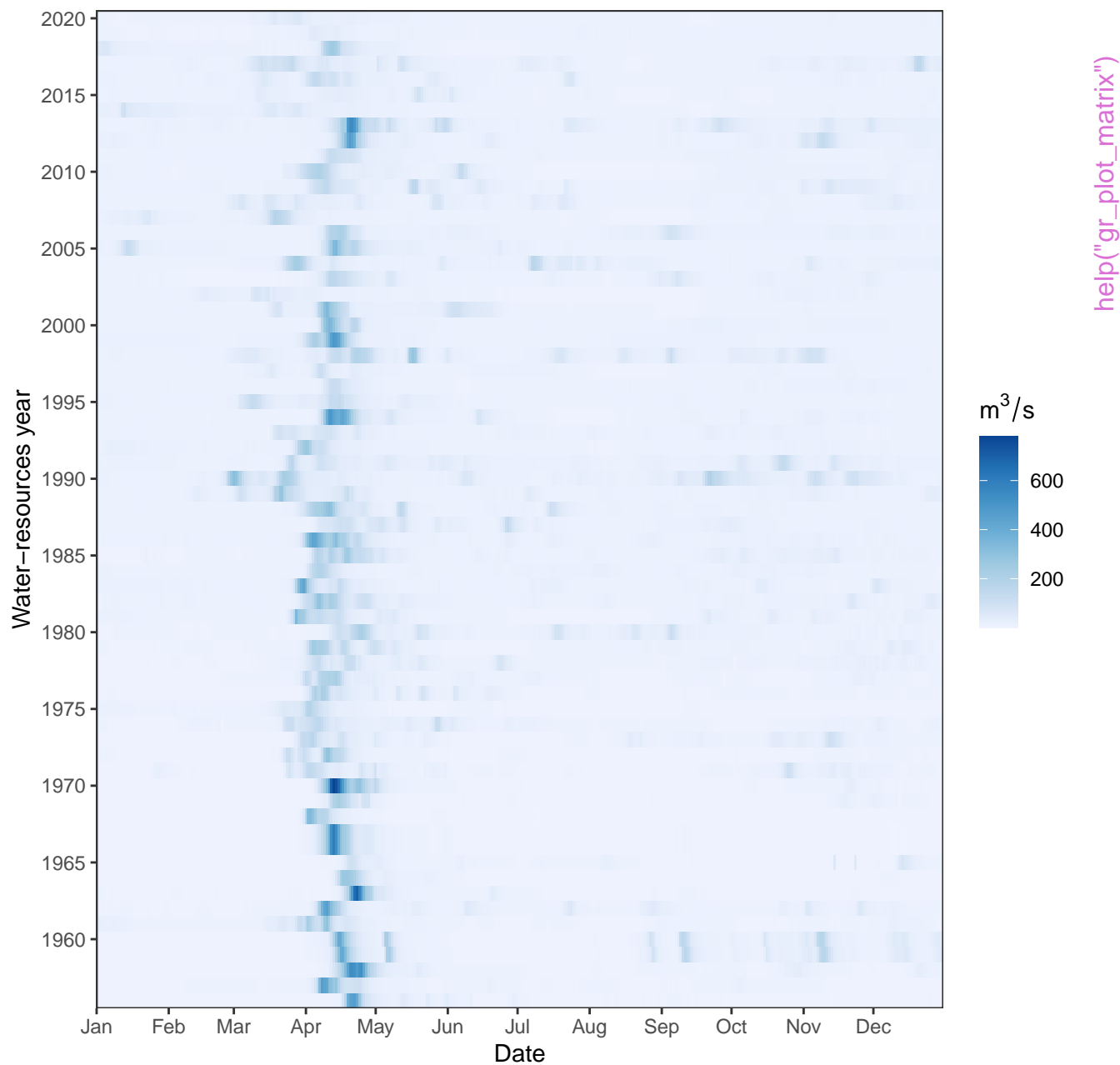


Autocorrelation function (ACF)

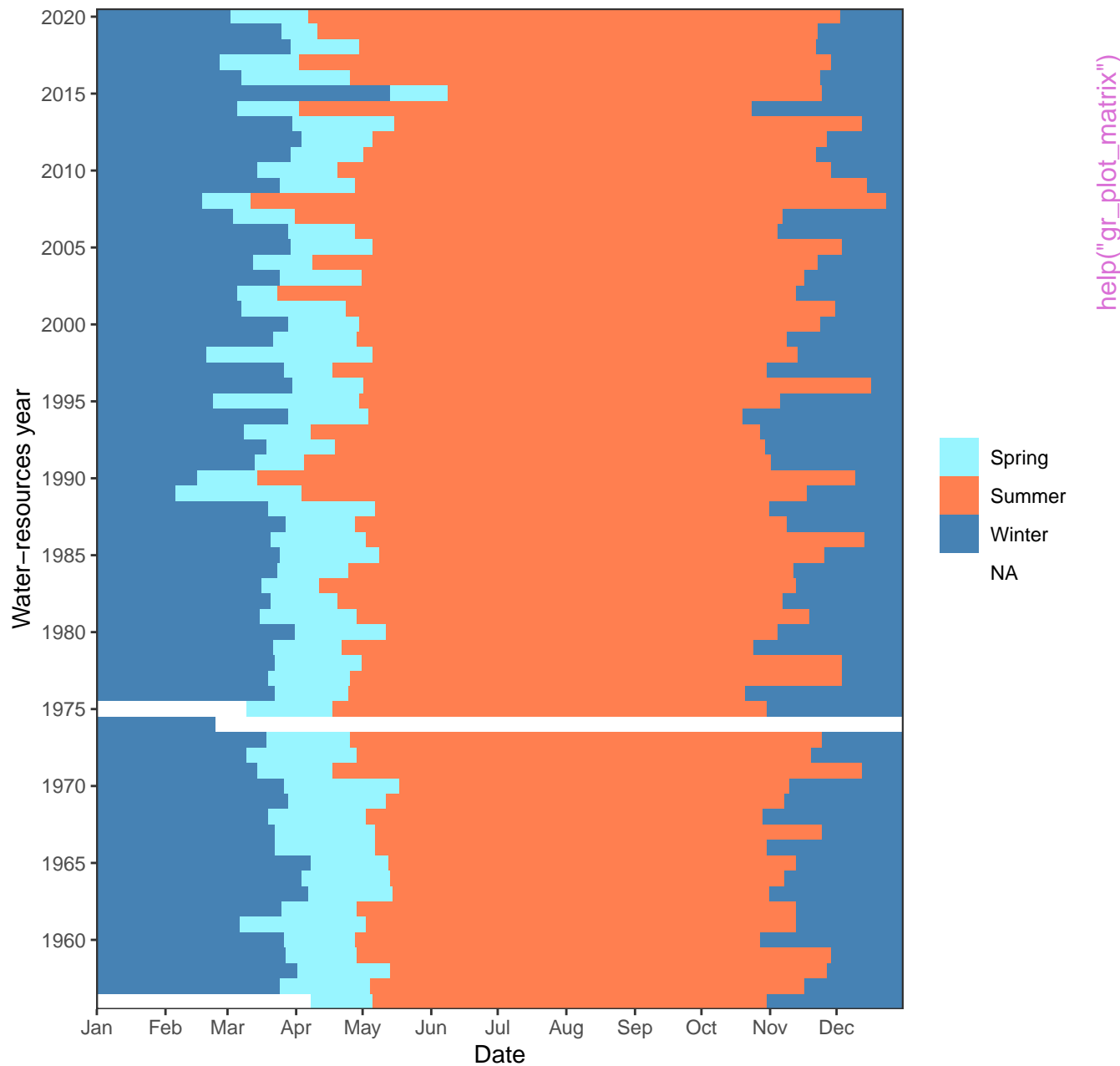




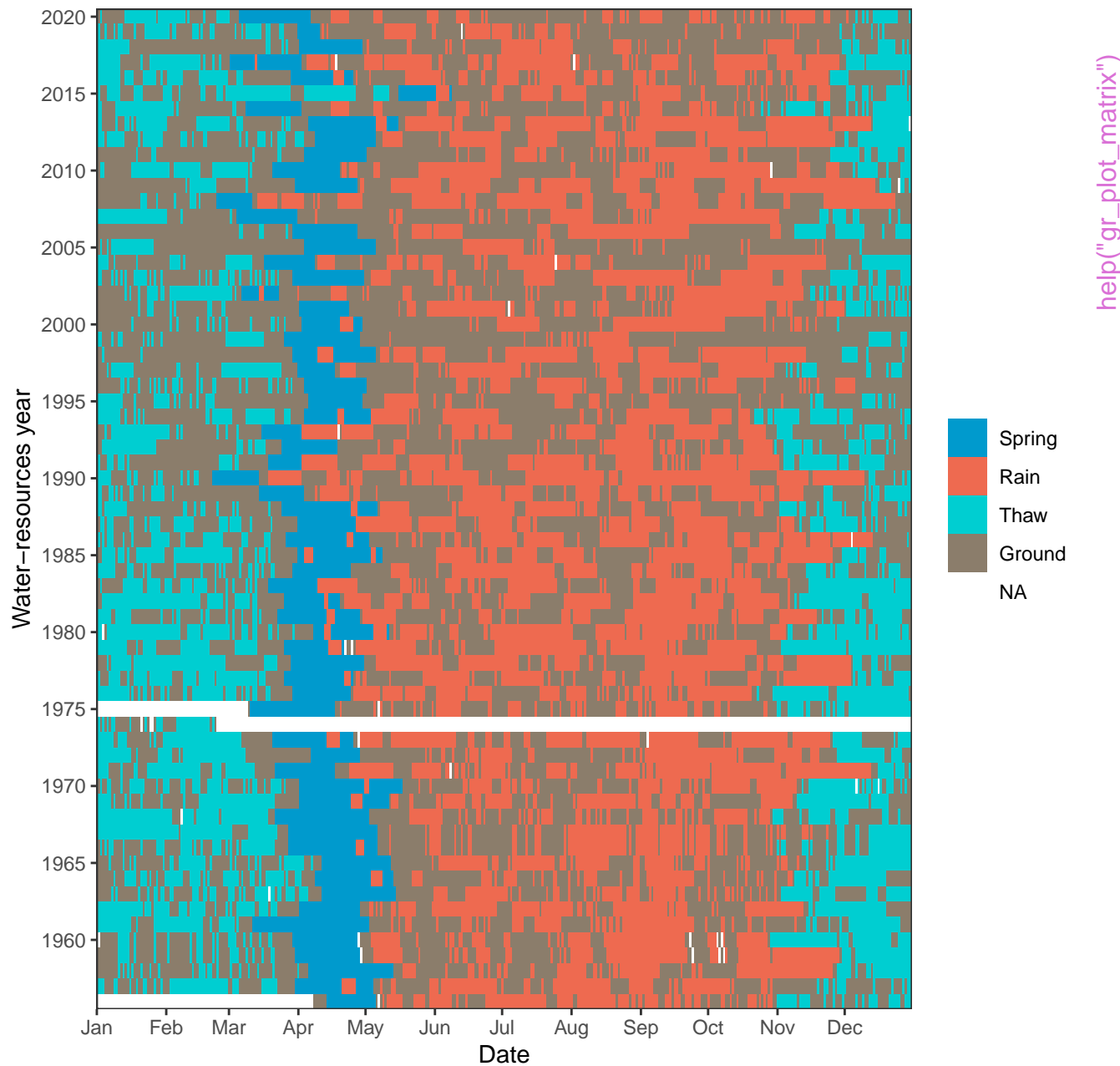
Runoff



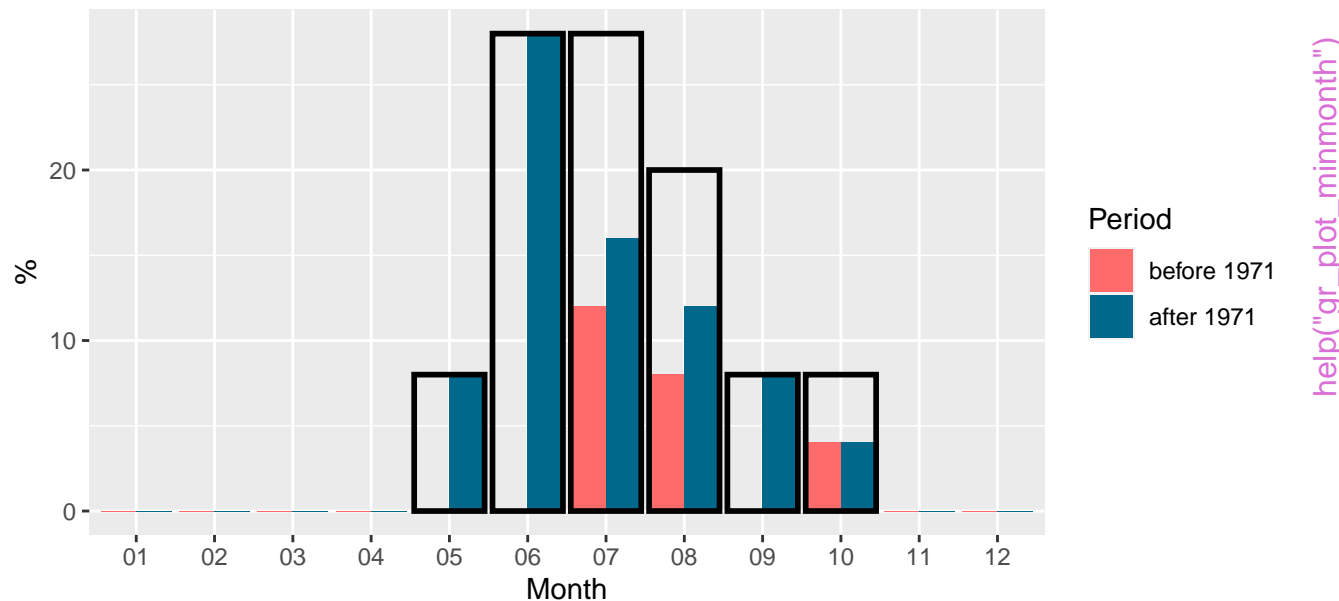
Season of runoff



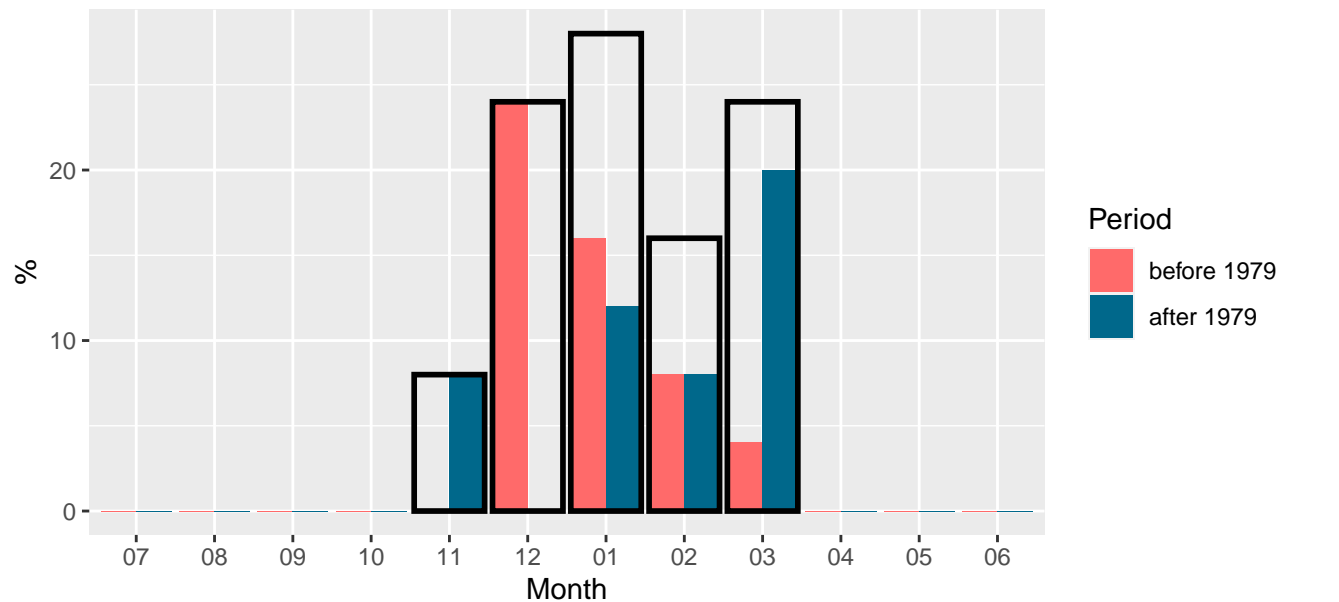
Component of runoff



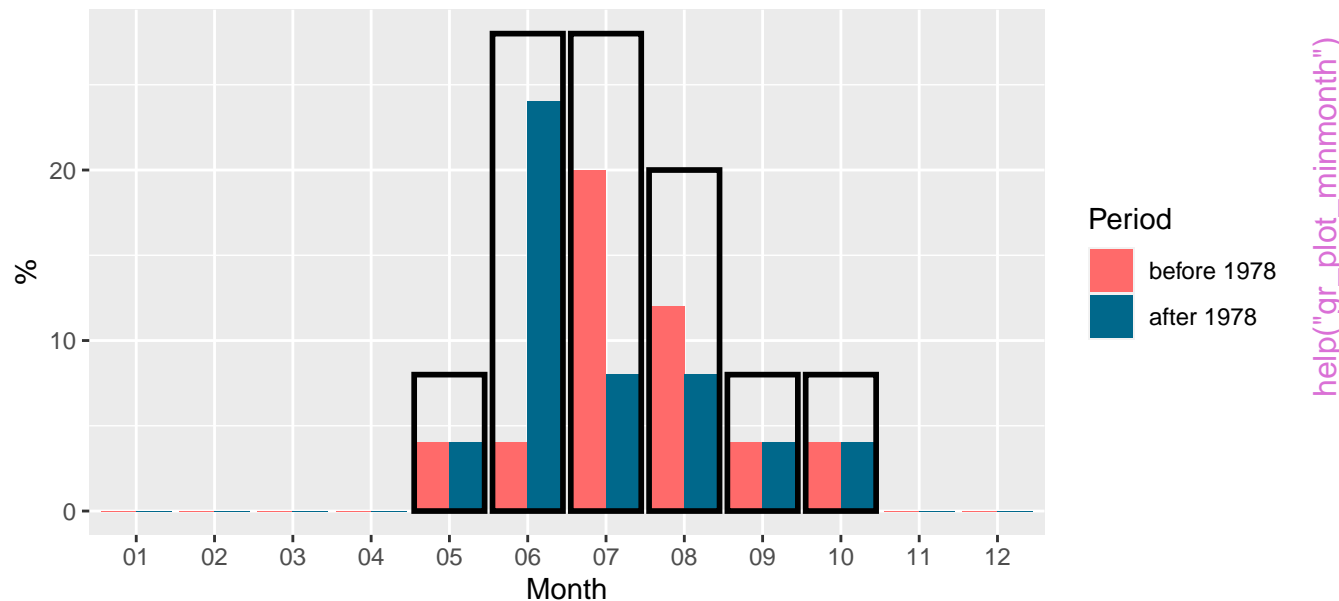
Month of a minimum monthly runoff during summer



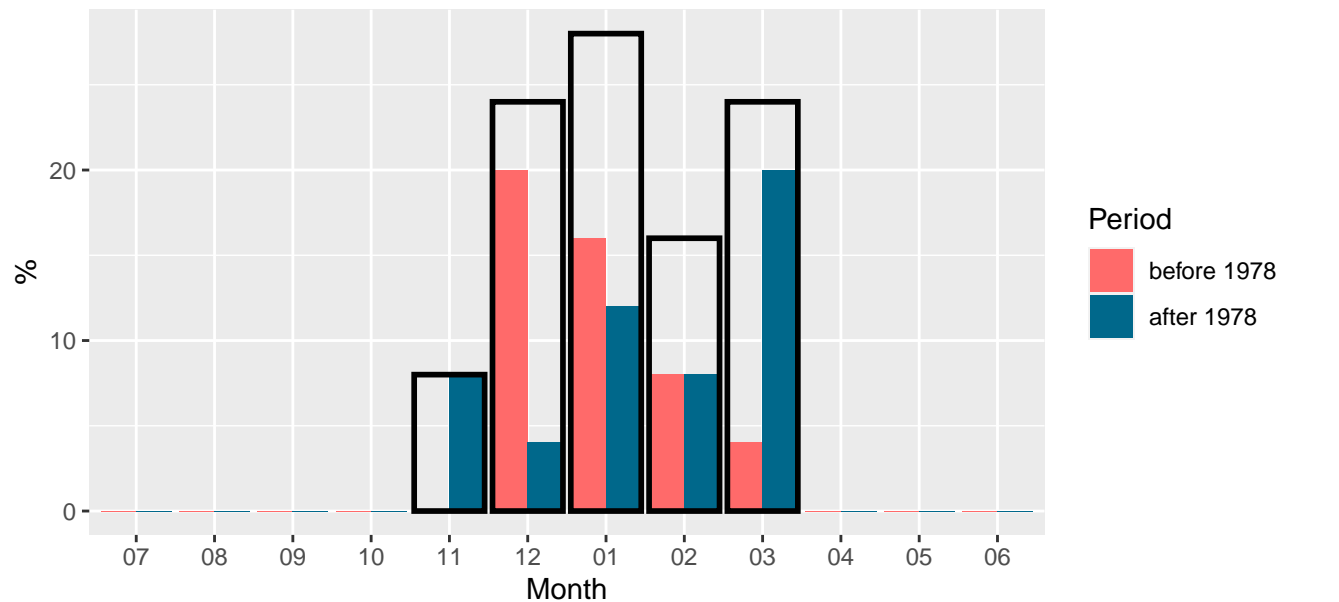
Month of a minimum monthly runoff during winter



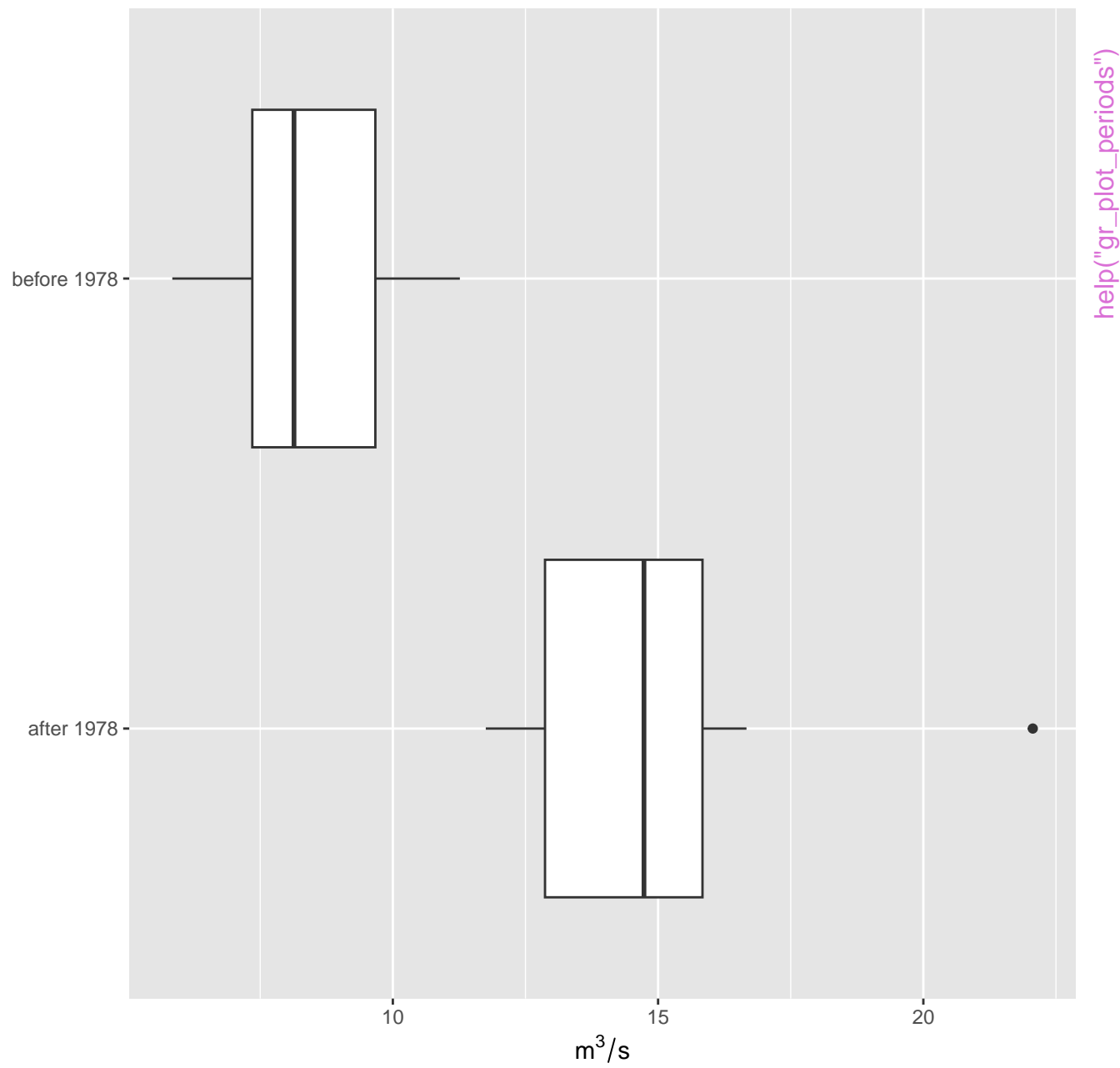
Month of a minimum monthly runoff during summer



Month of a minimum monthly runoff during winter



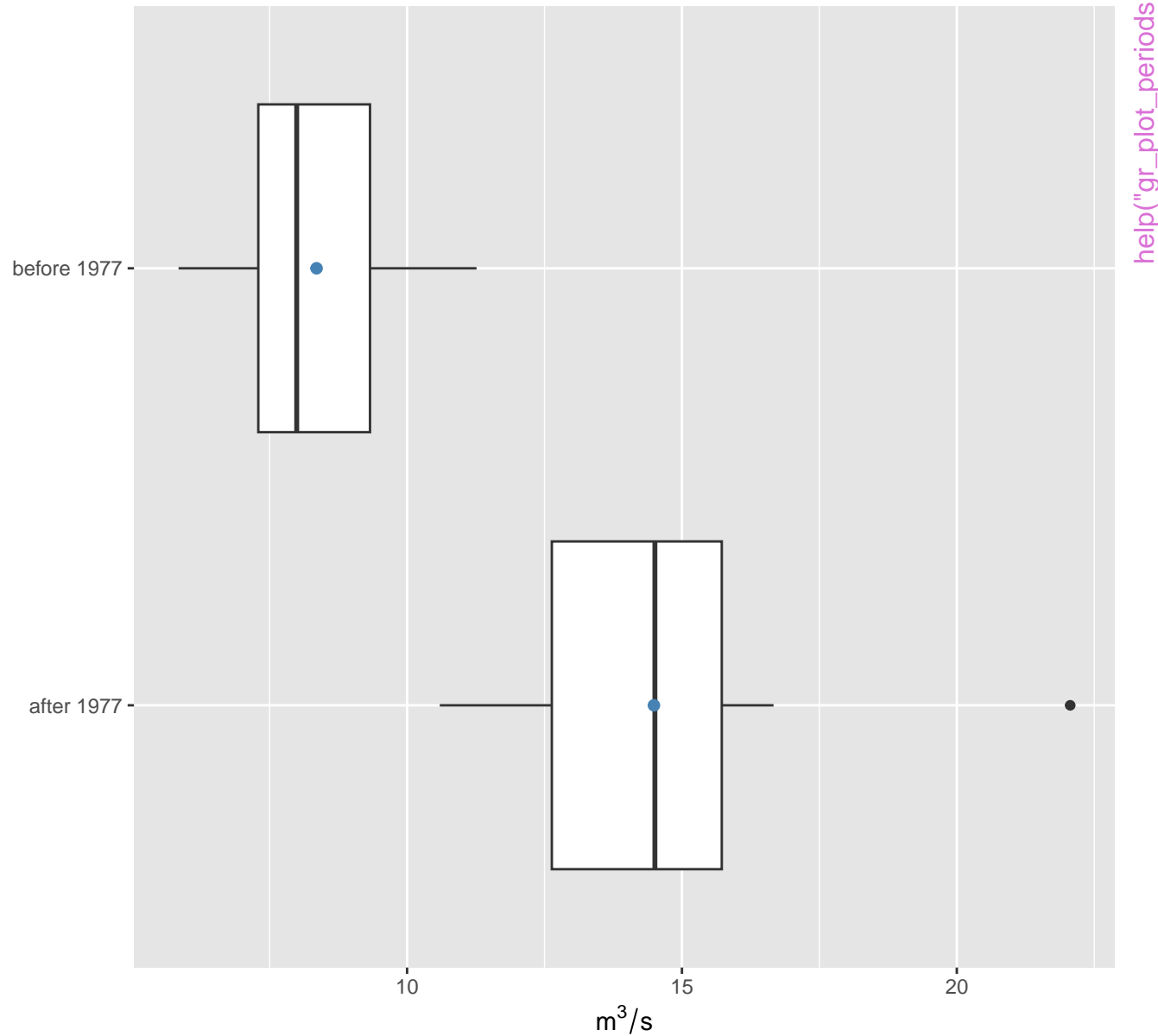
Mean annual groundwater ("baseflow") runoff



Mean annual groundwater ("baseflow") runoff

Student: $t = -6.816$, $p = 0$, $m1 = 8.353$, $m2 = 14.49$

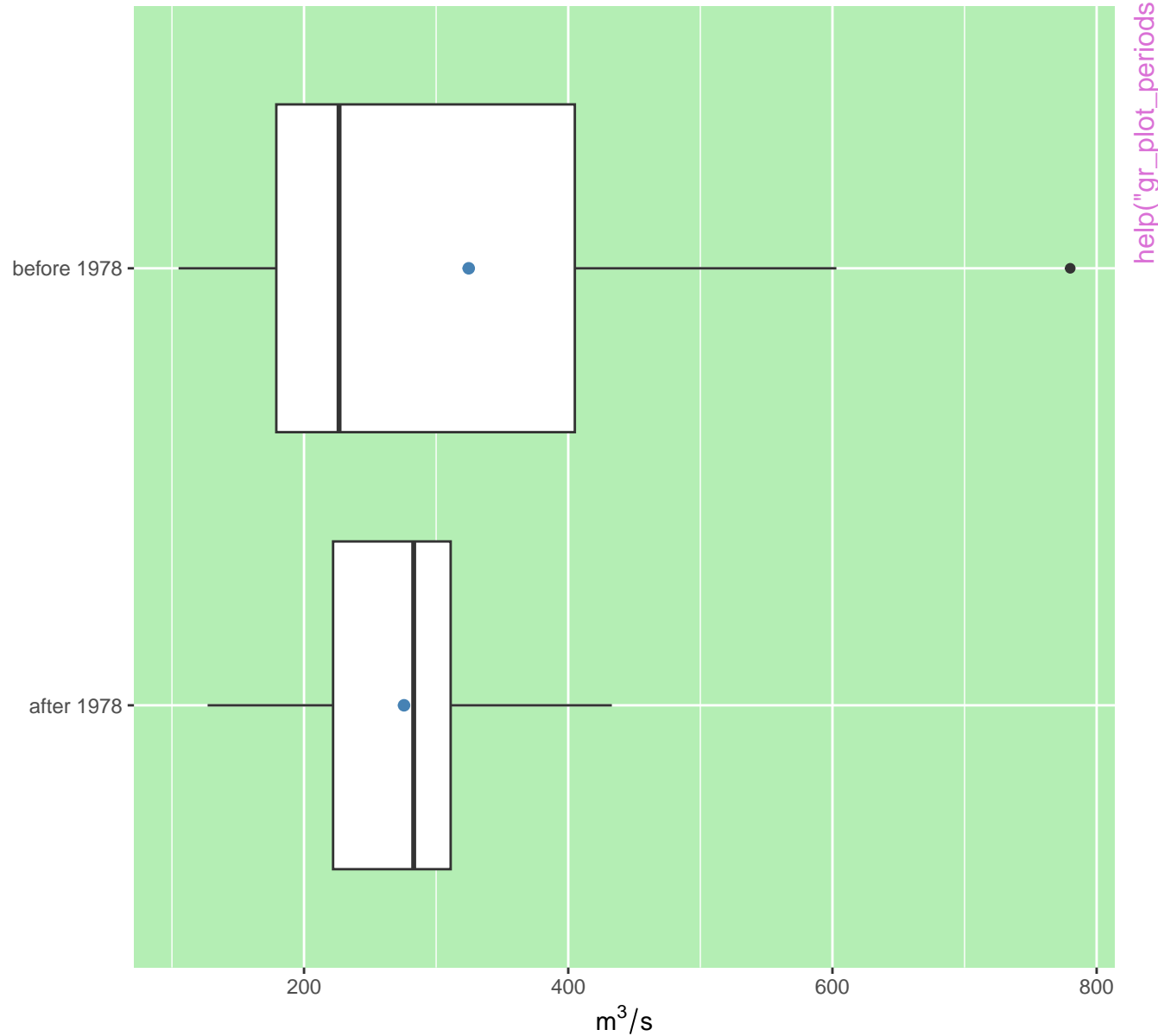
Fisher: $F = 0.312$, $p = 0.07206$, $cv1 = 0.191$, $cv2 = 0.197$



Maximum spring flood runoff

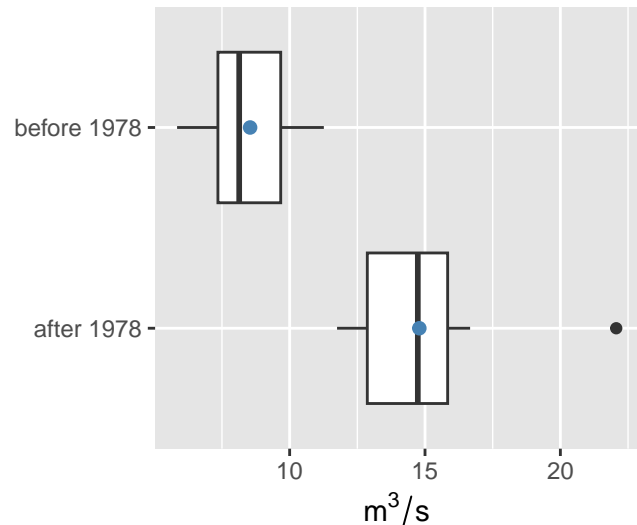
Student: $t = -3.451$, $p = 0.00219$, $m1 = 324.667$, $m2 = 275.692$

Fisher: $F = 0.722$, $p = 0.59732$, $cv1 = 0.668$, $cv2 = 0.34$



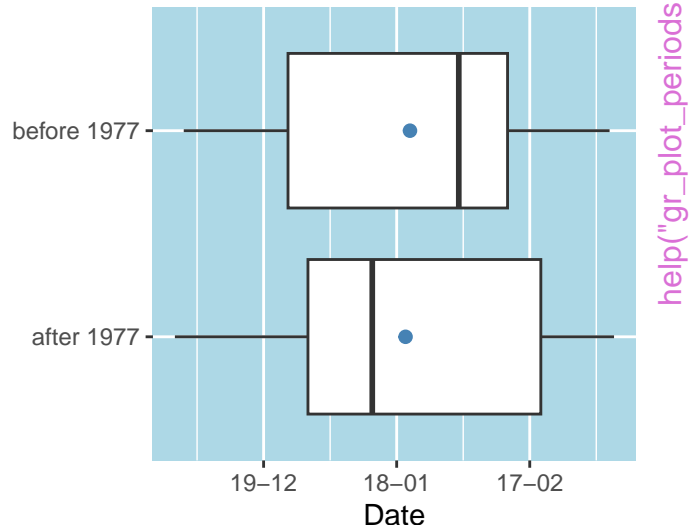
Mean annual groundwater ("base

Student: $t = -3.451$, $p = 0.00219$, $m1 =$
Fisher: $F = 0.722$, $p = 0.59732$, $cv1 = ($



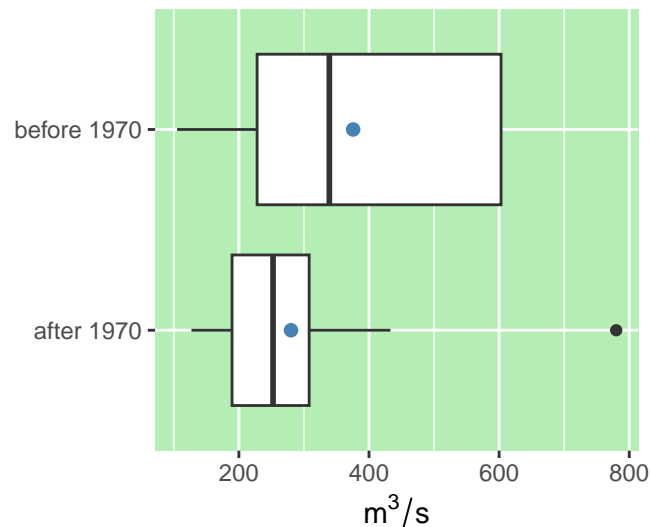
First date of minimum 10-day average

Student: $t = -6.566$, $p = 0$, $m1 = 21\text{-Jan}$,
Fisher: $F = 0.197$, $p = 0.01452$, $cv1 = 0.0$



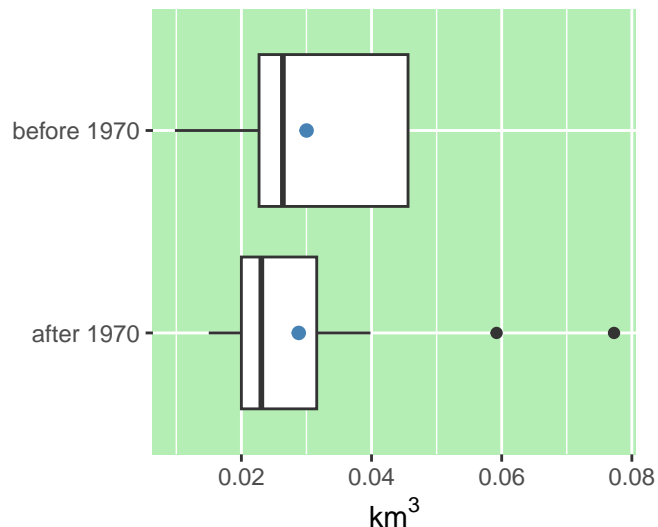
Maximum spring flood runoff

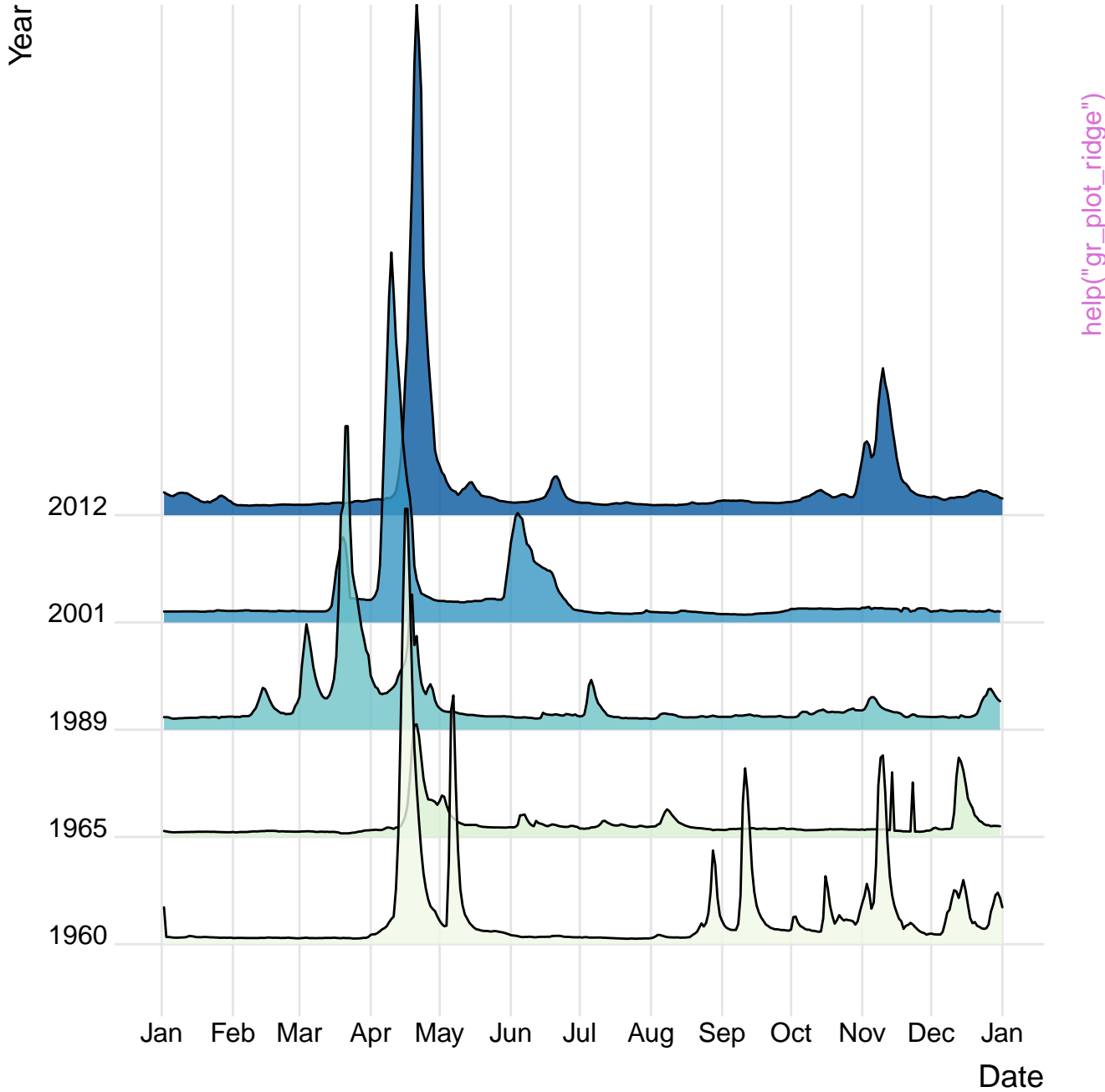
Student: $t = 0.567$, $p = 0.59219$, $m1 =$
Fisher: $F = 1.265$, $p = 0.63668$, $cv1 = ($



Spring flood runoff volume (with gr

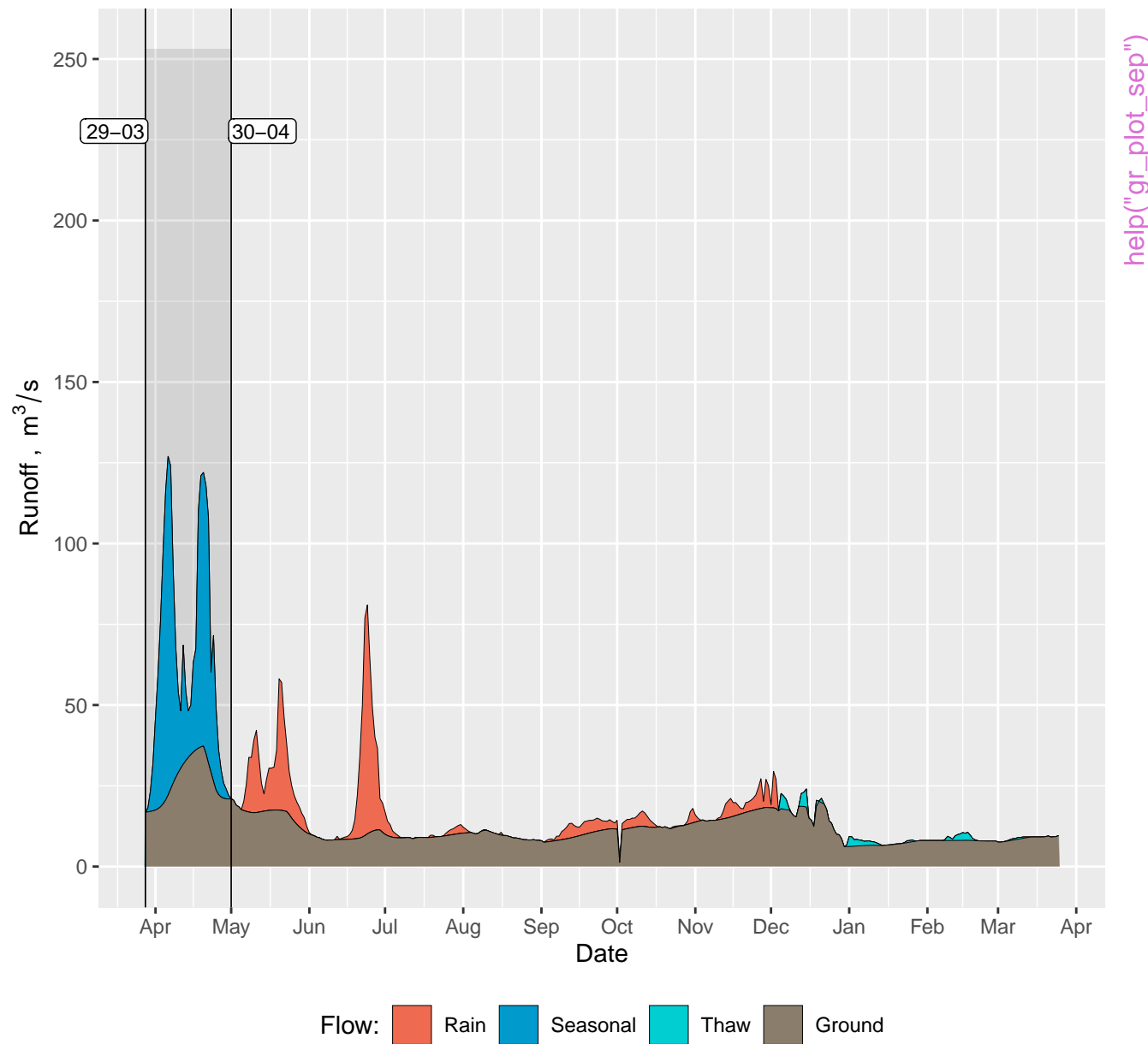
Student: $t = 0.209$, $p = 0.84155$, $m1 = 0.0$
Fisher: $F = 1.124$, $p = 0.74904$, $cv1 = 0.5$





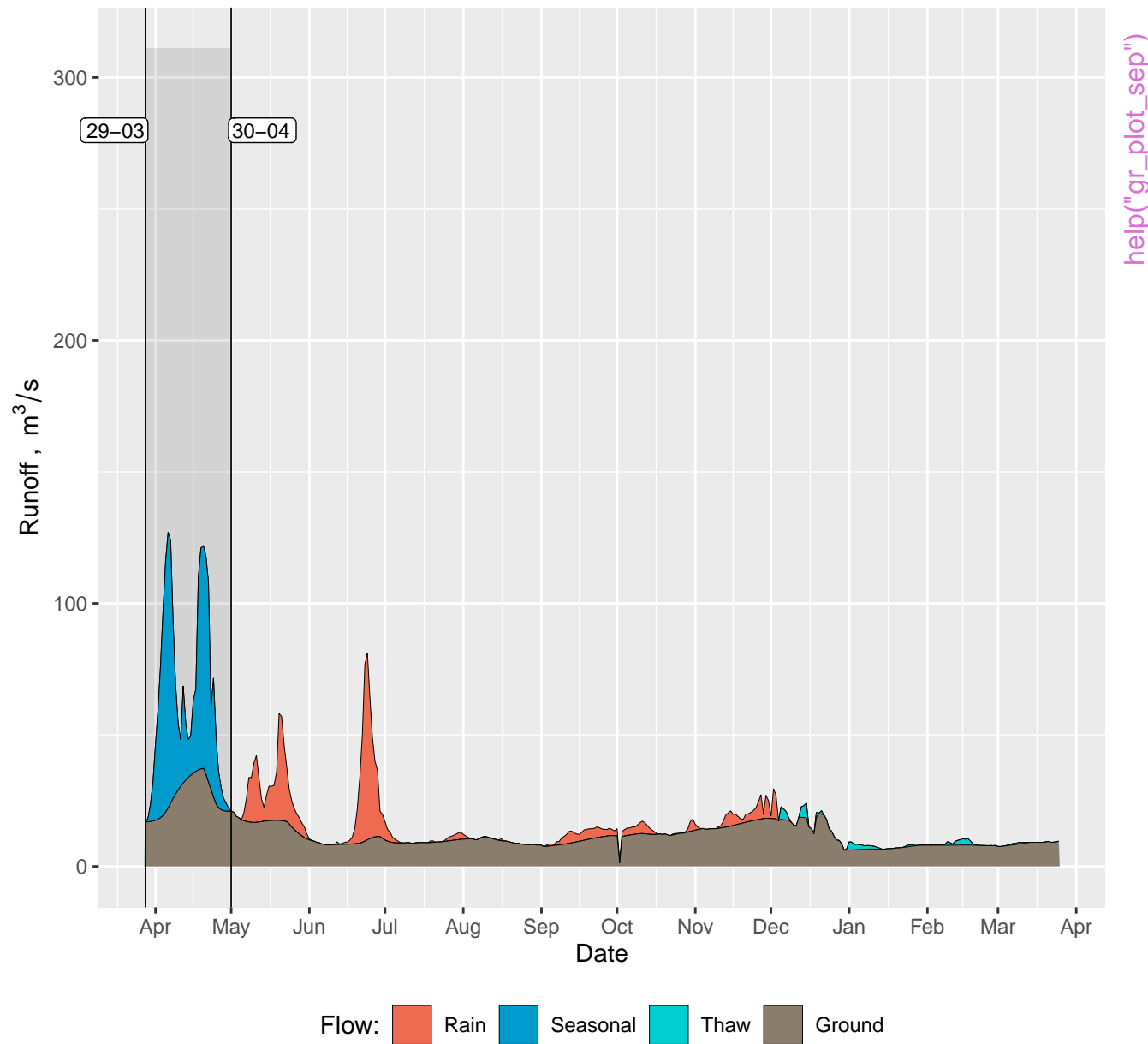
1978

1978-03-29 - 1979-03-25



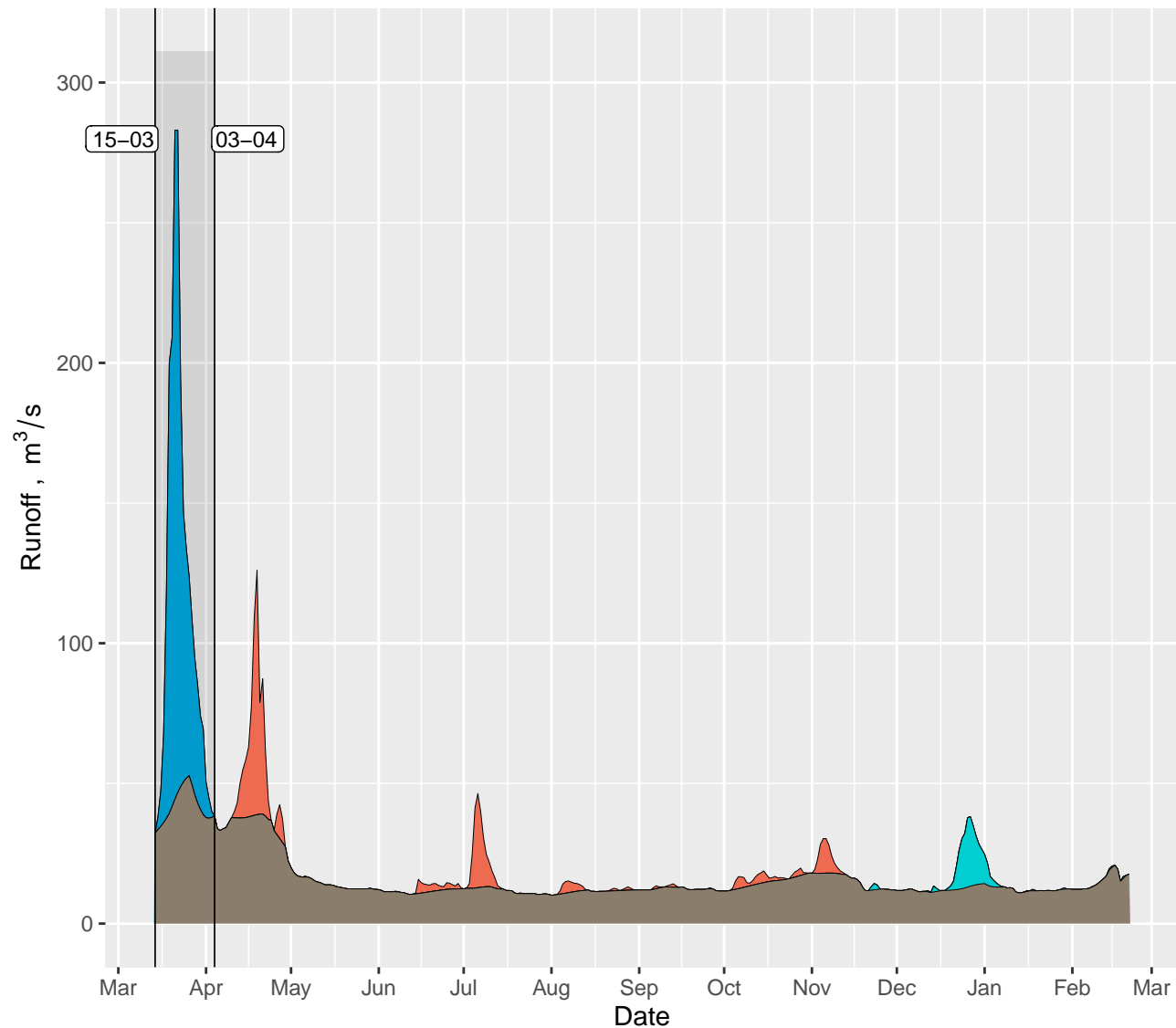
1978

1978-03-29 - 1979-03-25



1989

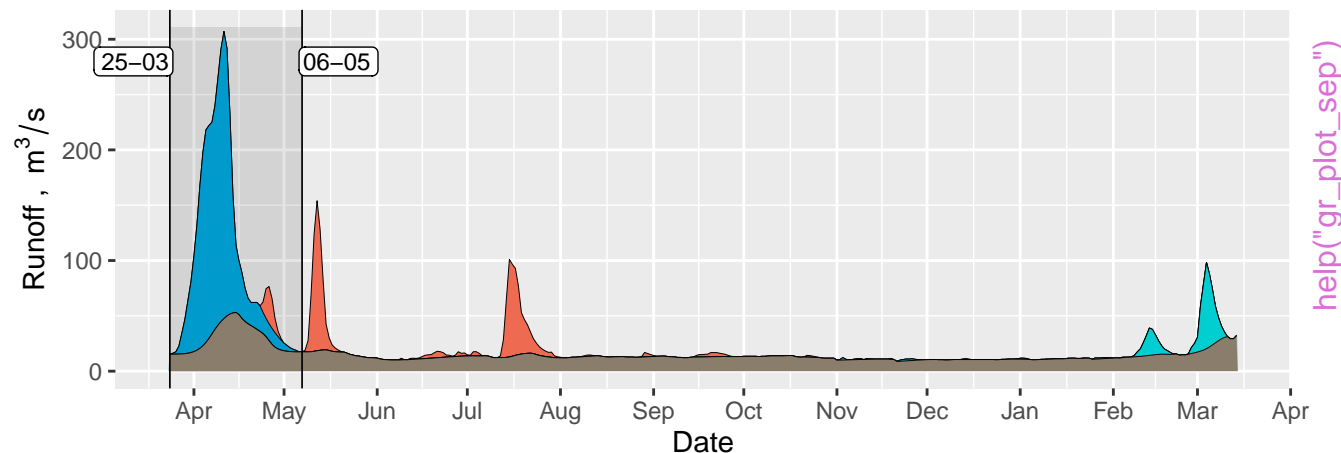
1989-03-15 – 1990-02-21



help("gr_plot_sep")

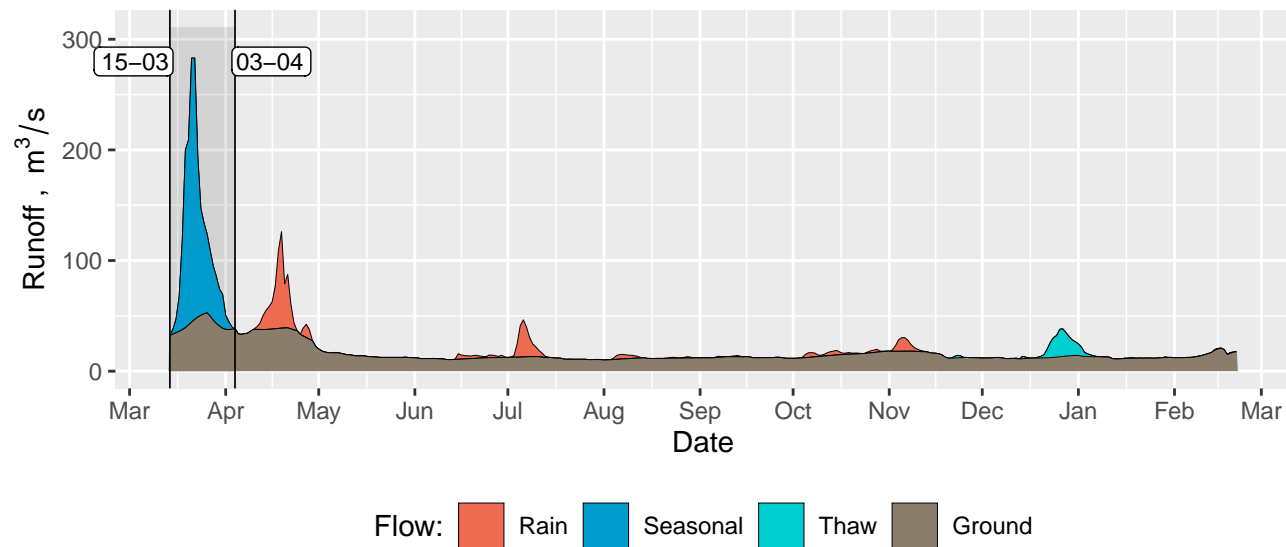
1988

1988-03-25 – 1989-03-14



1989

1989-03-15 – 1990-02-21

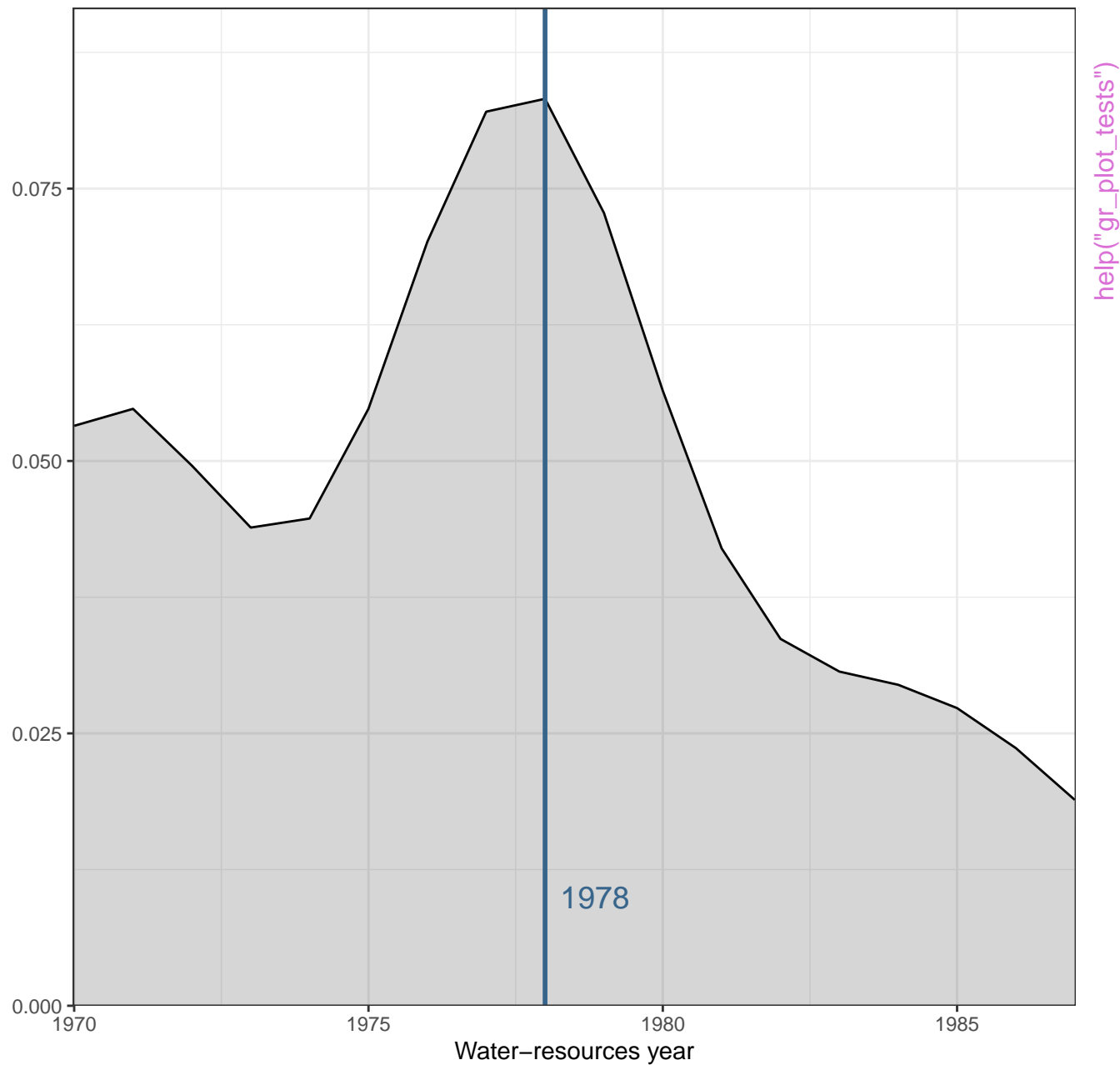


1991

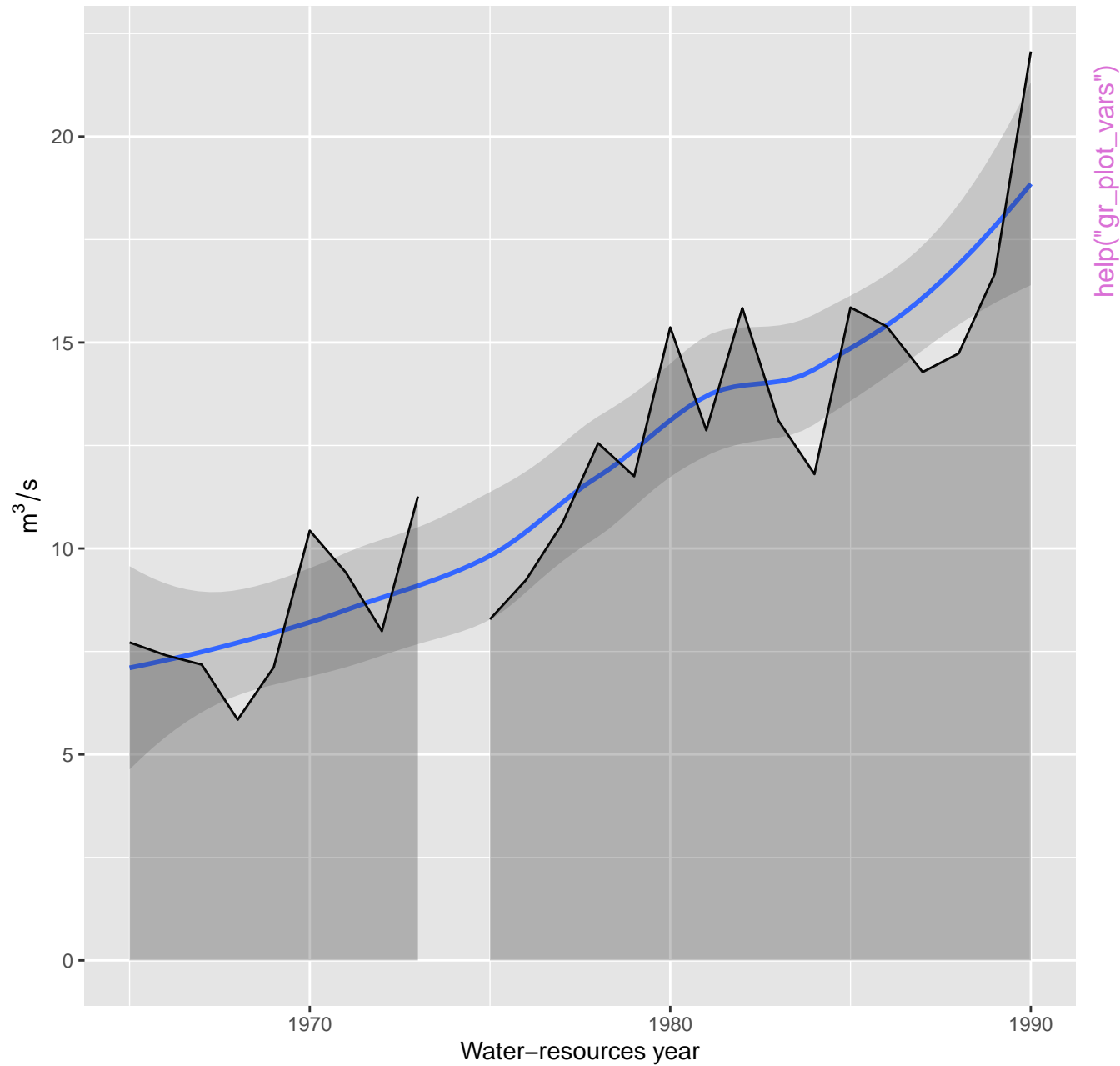
1991-03-19 - 1992-03-24



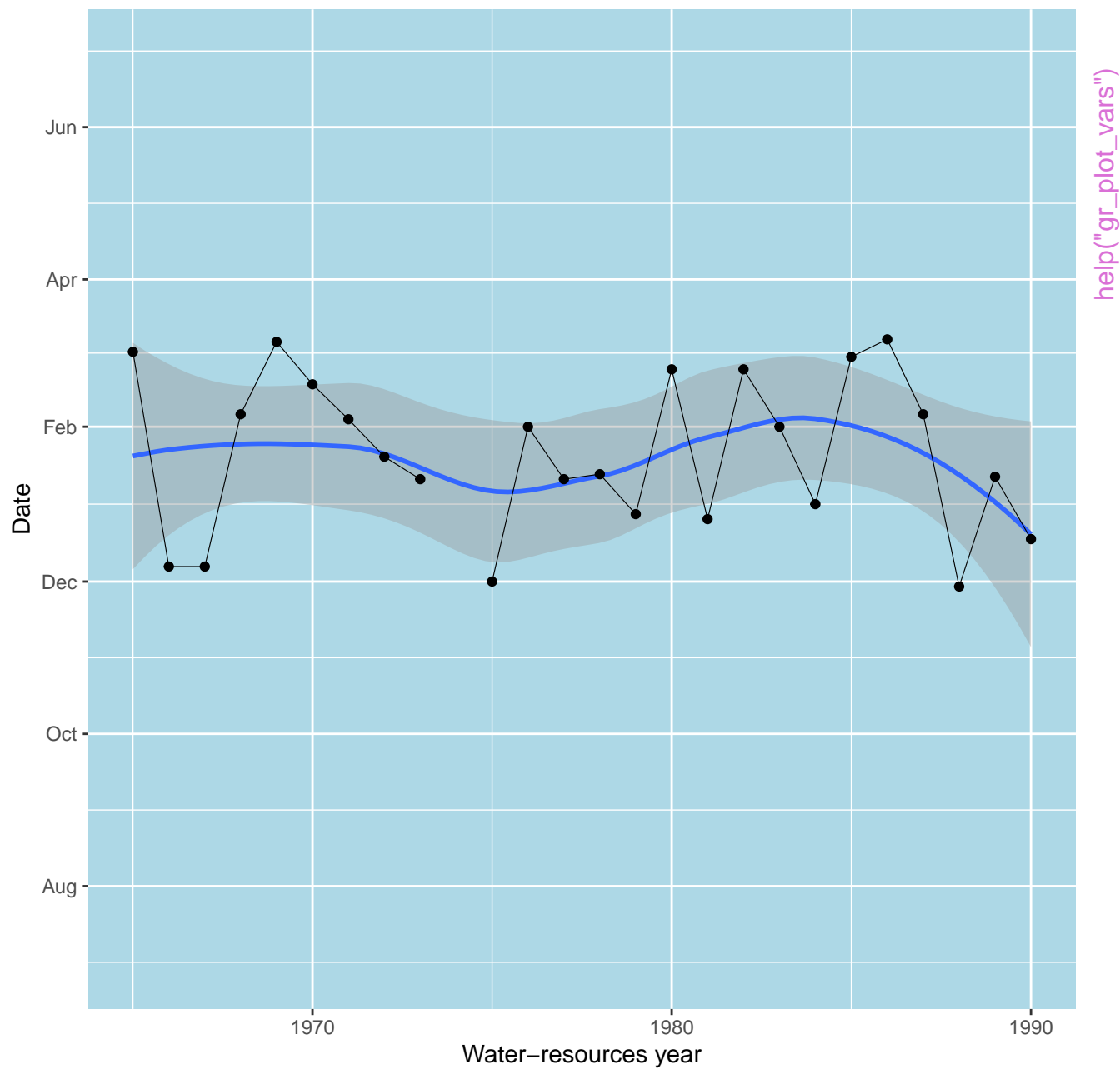
Change year distribution density



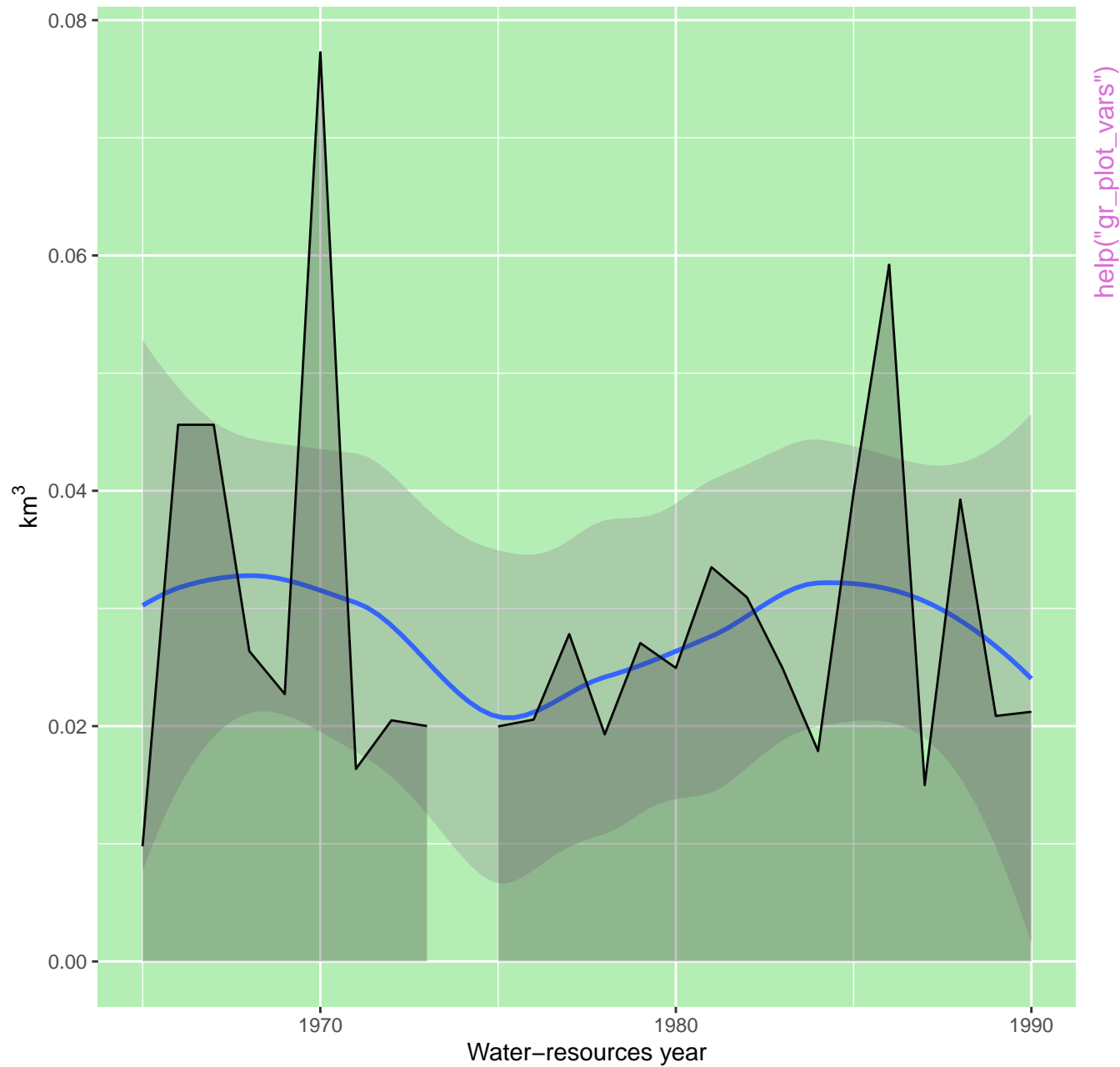
Mean annual groundwater ("baseflow") runoff



First date of minimum 10-day averaged winter runoff



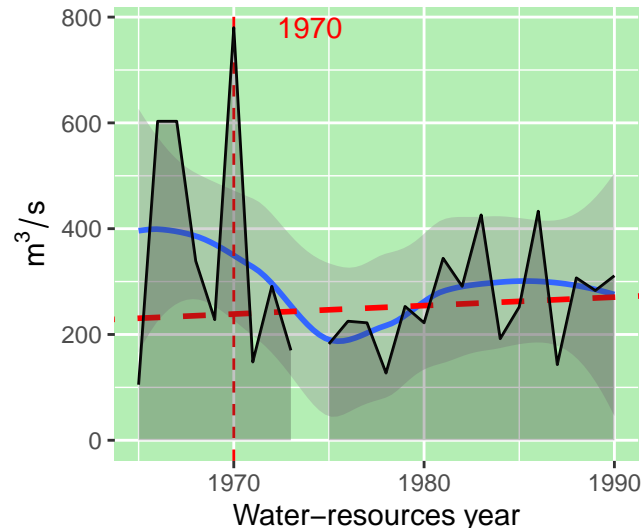
Spring flood runoff volume (with groundwater and rain)



Maximum spring flood runoff

Mann–Kendall: $z = 0.28$, $p = 0.7791$

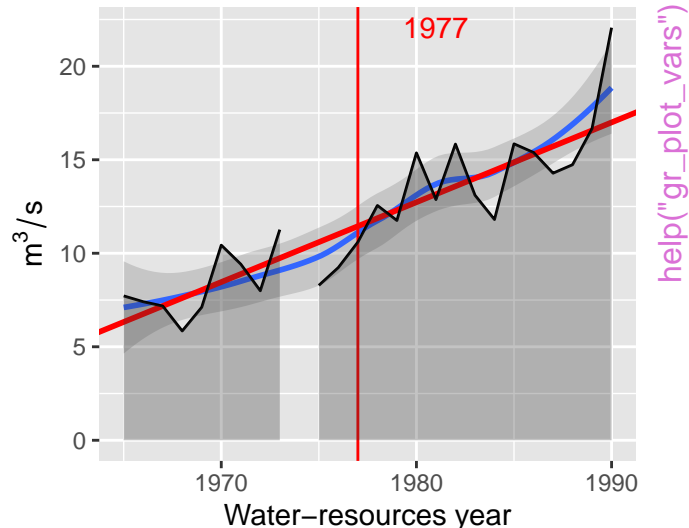
Theil–Sen: $i = 1.59615$, $p = 0.41131$. Pettitt: $U^* = 156$



Mean annual groundwater ("baseflow")

Mann–Kendall: $z = 5.208$, $p = 0$

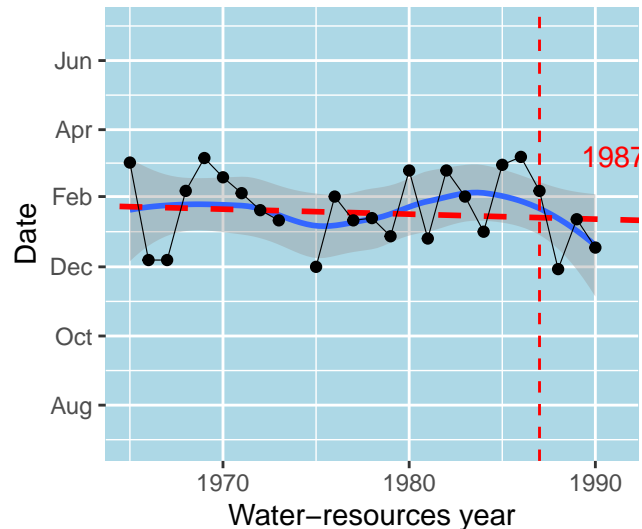
Theil–Sen: $i = 0.42685$, $p = 0$. Pettitt: $U^* = 156$



First date of minimum 10-day average

Mann–Kendall: $z = -0.515$, $p = 0.60689$

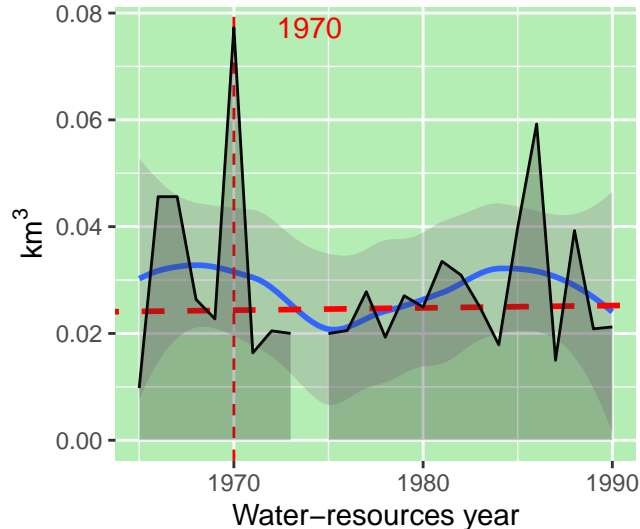
Theil–Sen: $i = -0.43922$, $p = 0.23257$. Pettitt: $U^* = 156$



Spring flood runoff volume (with groundwater)

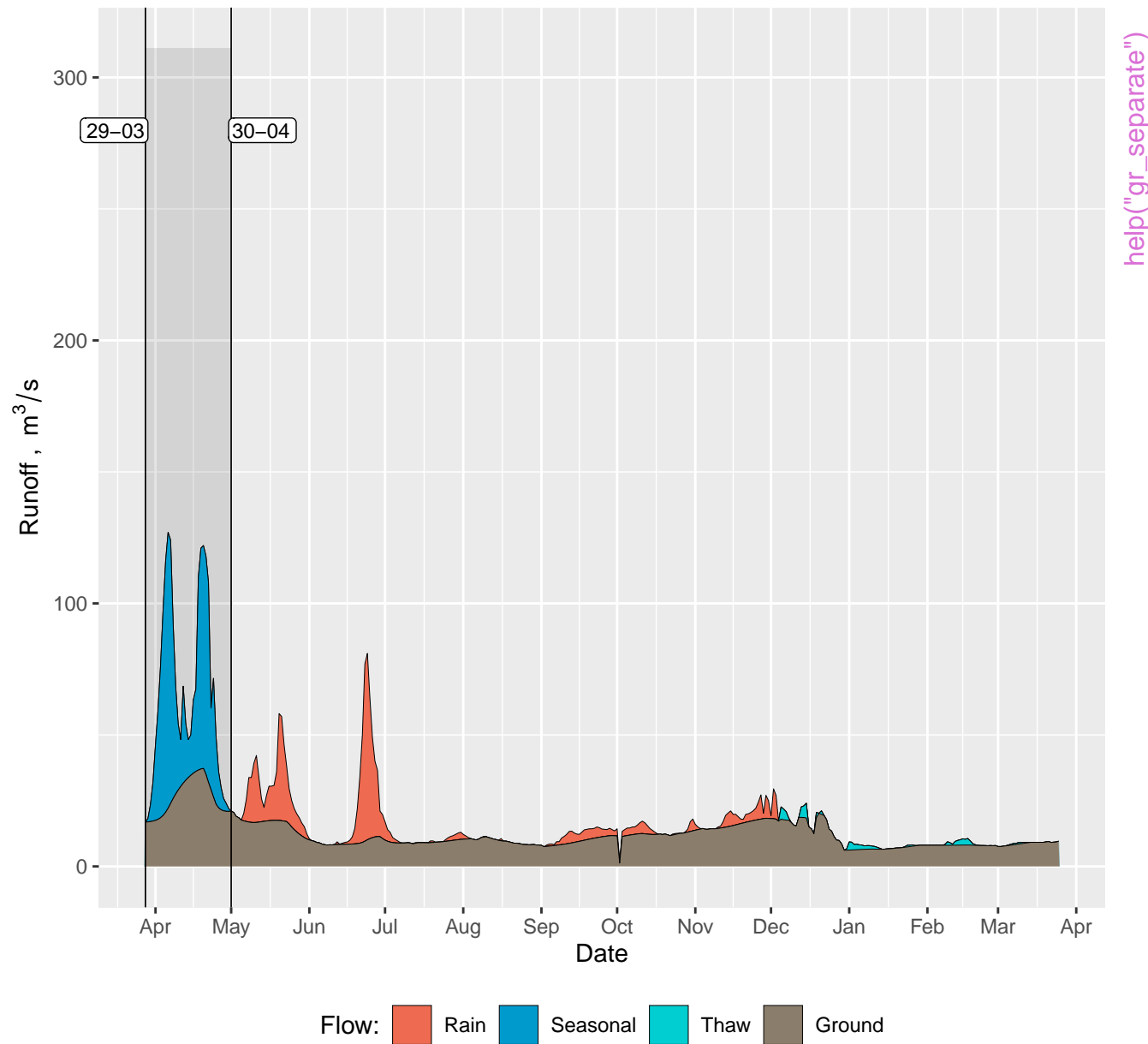
Mann–Kendall: $z = 0.21$, $p = 0.83347$

Theil–Sen: $i = 4e-05$, $p = 0.72475$. Pettitt: $U^* = 156$



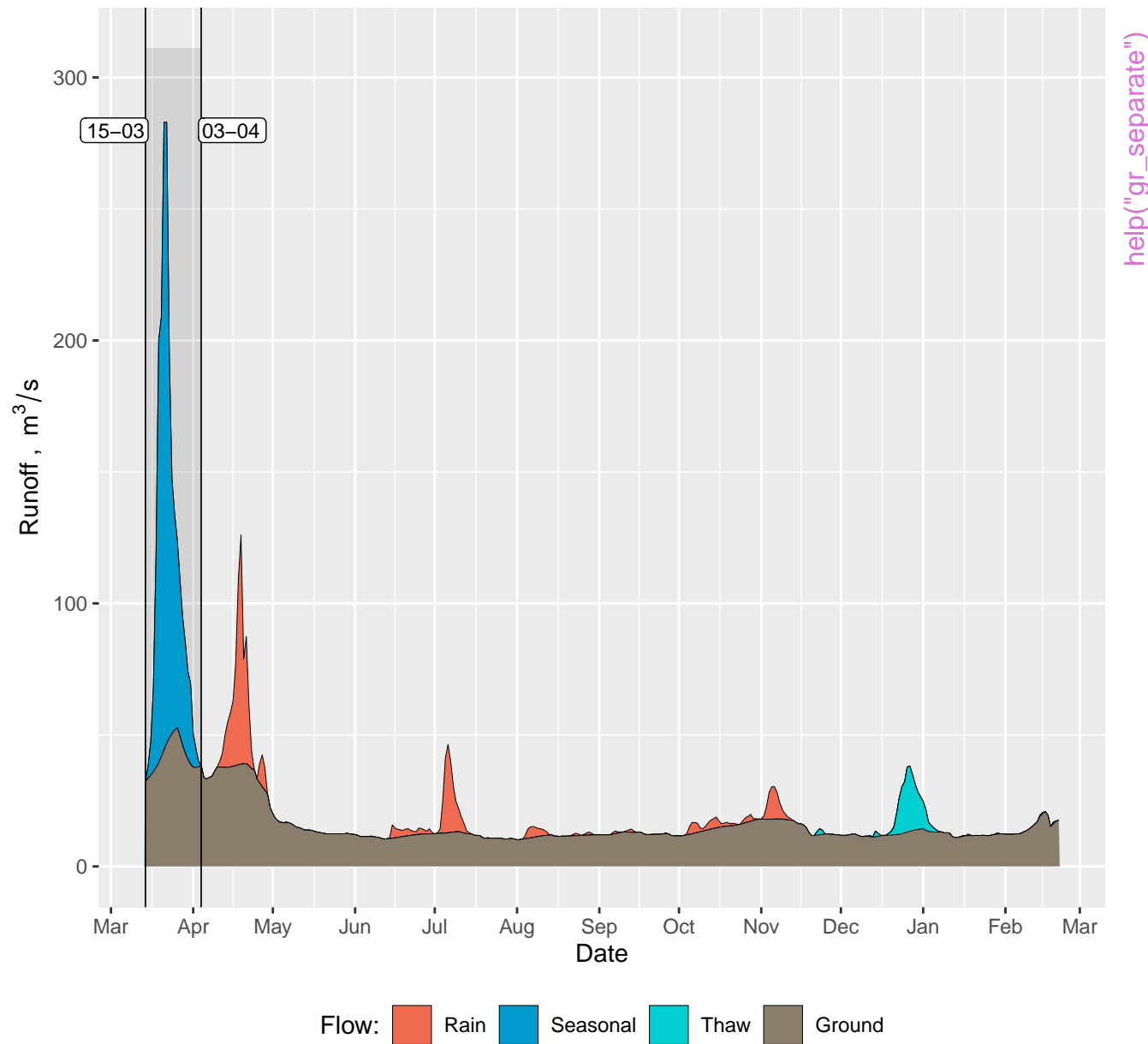
1978

1978-03-29 - 1979-03-25



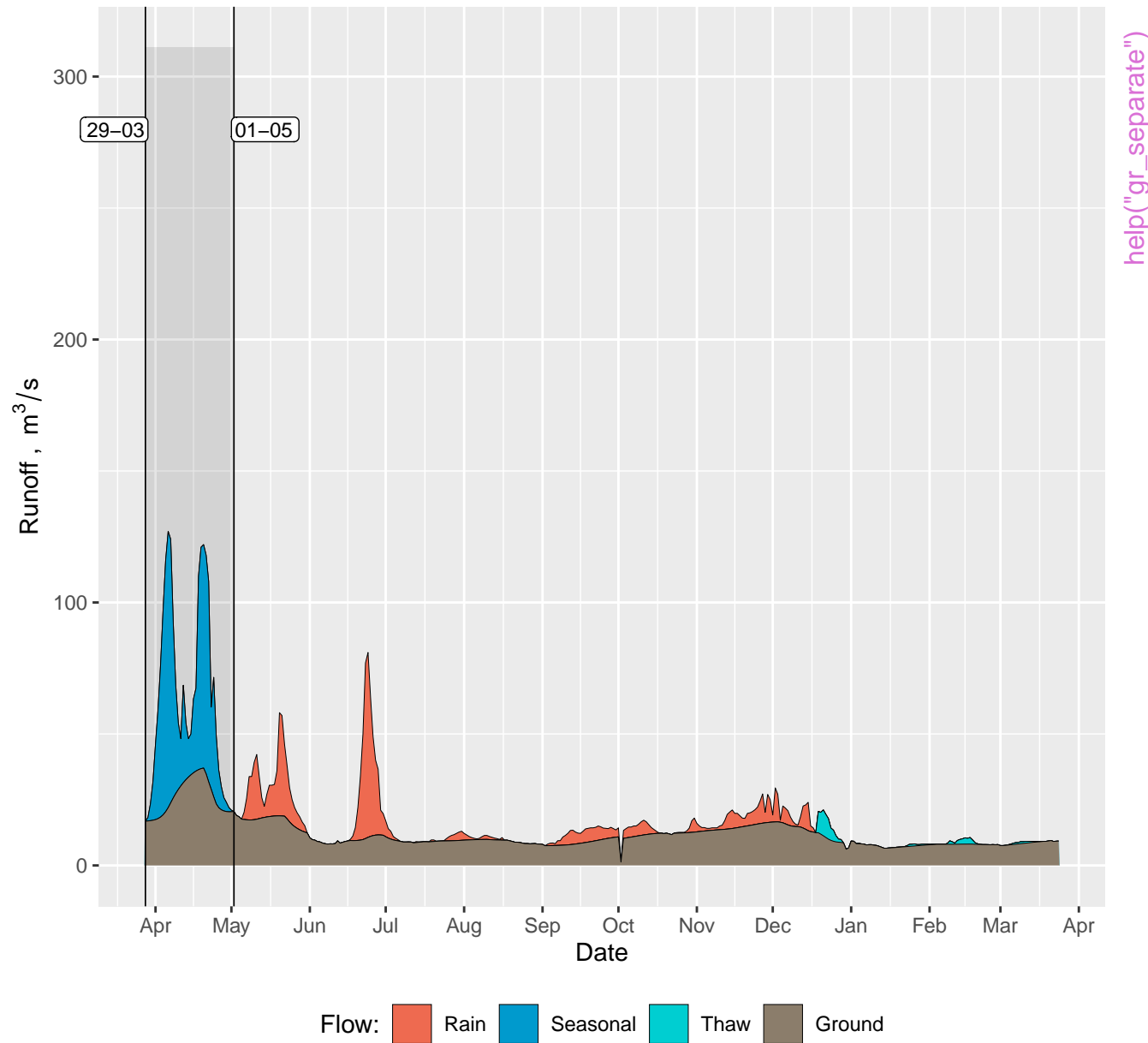
1989

1989-03-15 – 1990-02-21



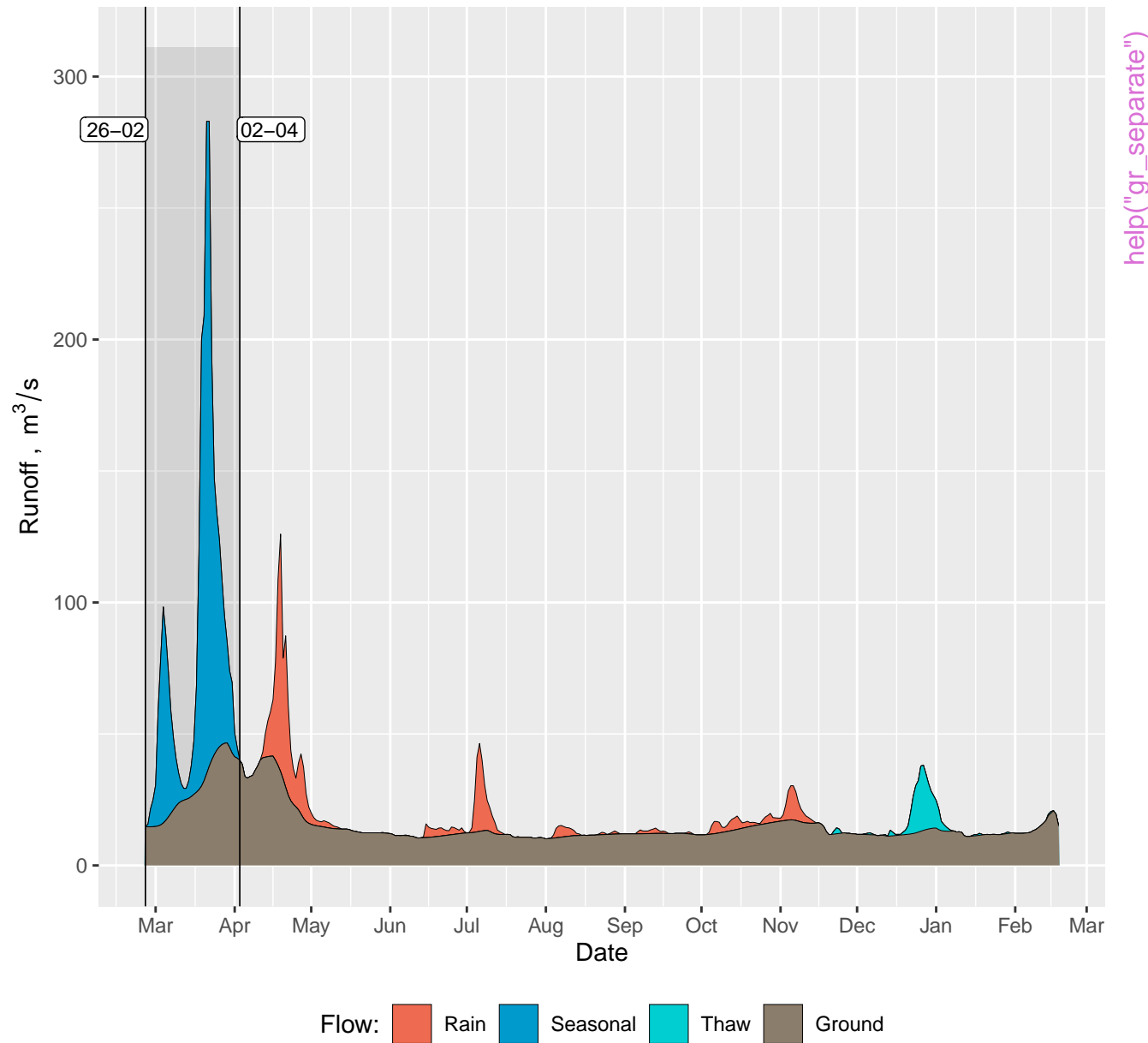
1978

1978-03-29 - 1979-03-24



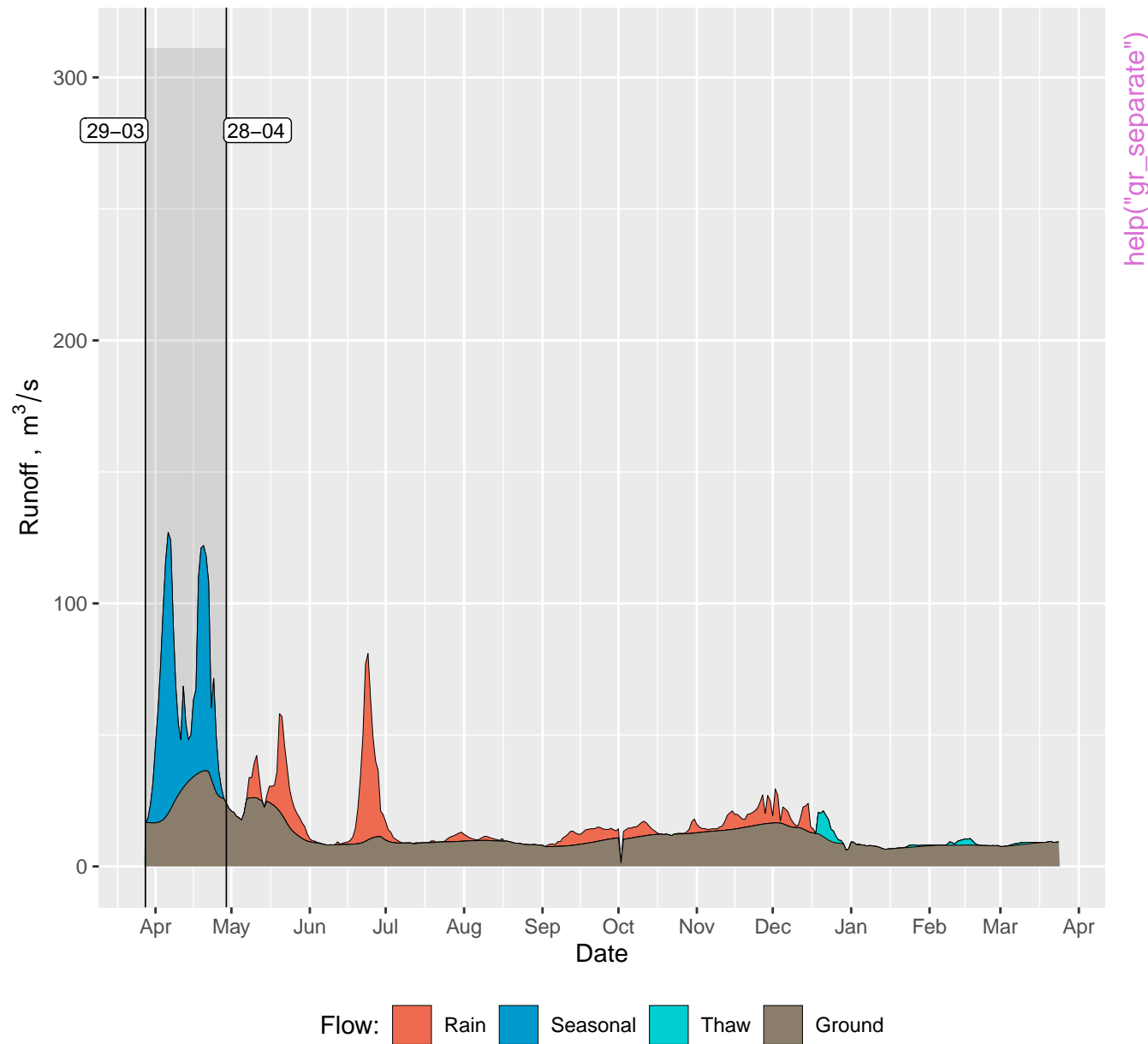
1989

1989-02-26 – 1990-02-18



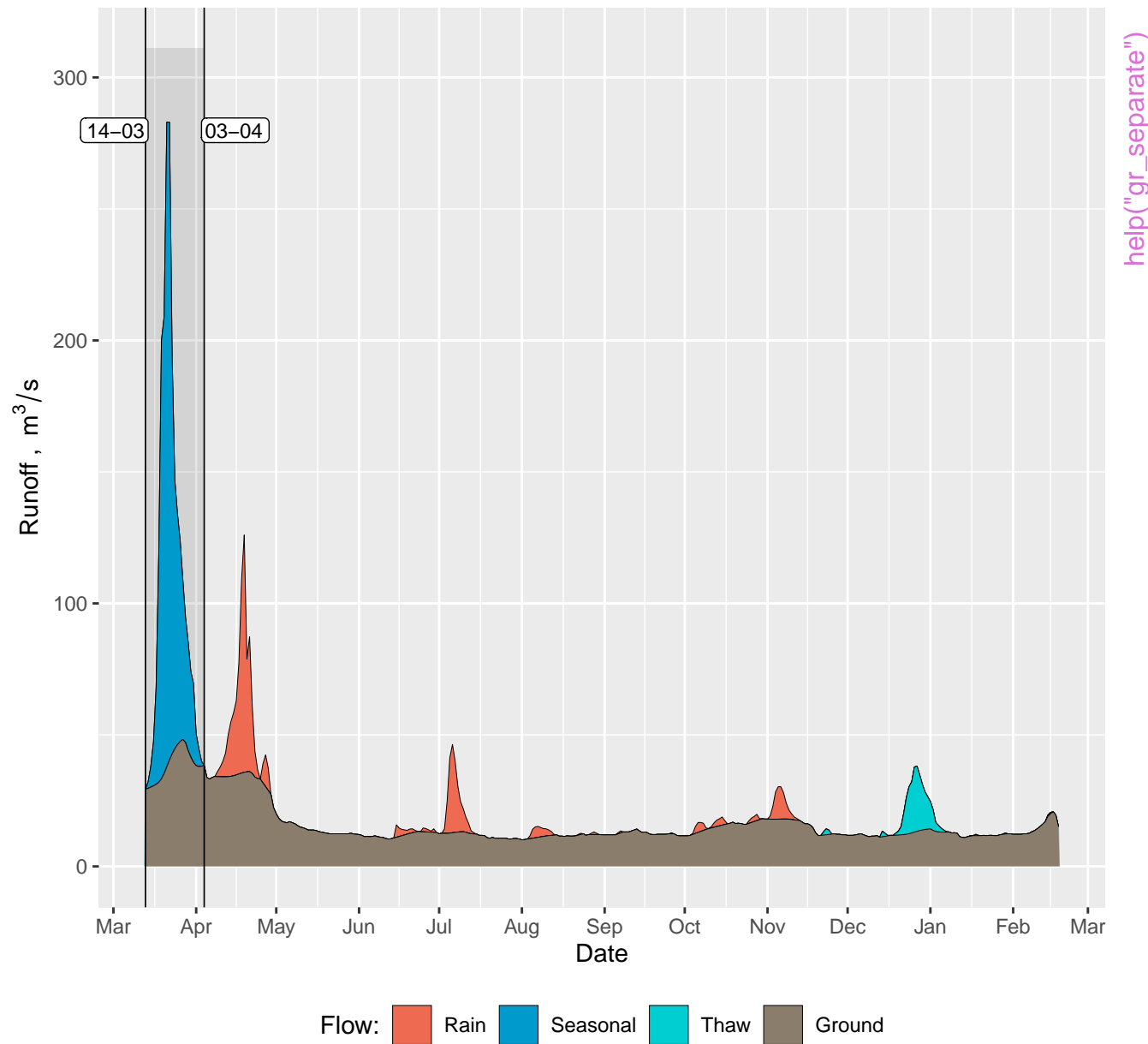
1978

1978-03-29 - 1979-03-24



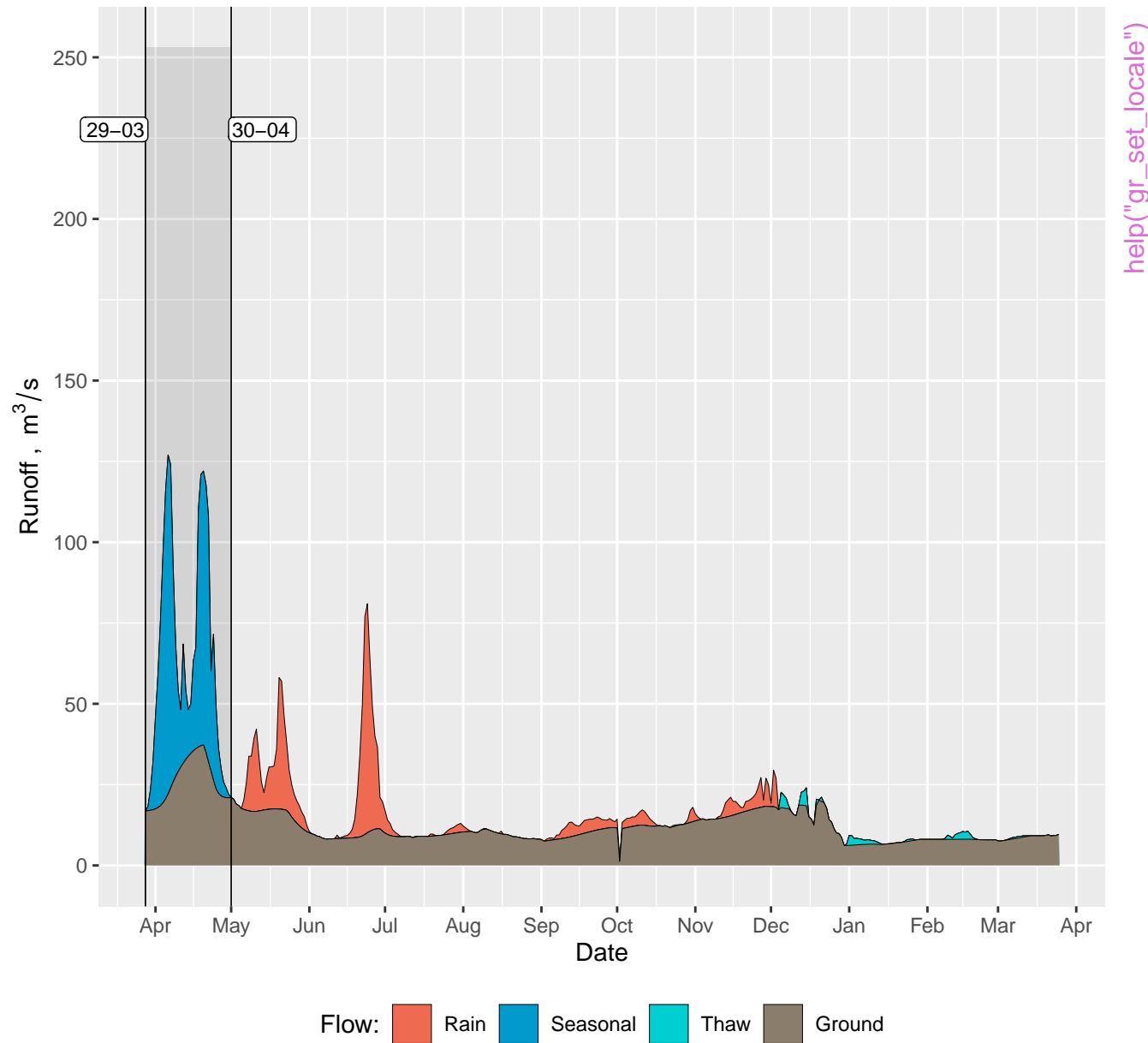
1989

1989-03-14 – 1990-02-18



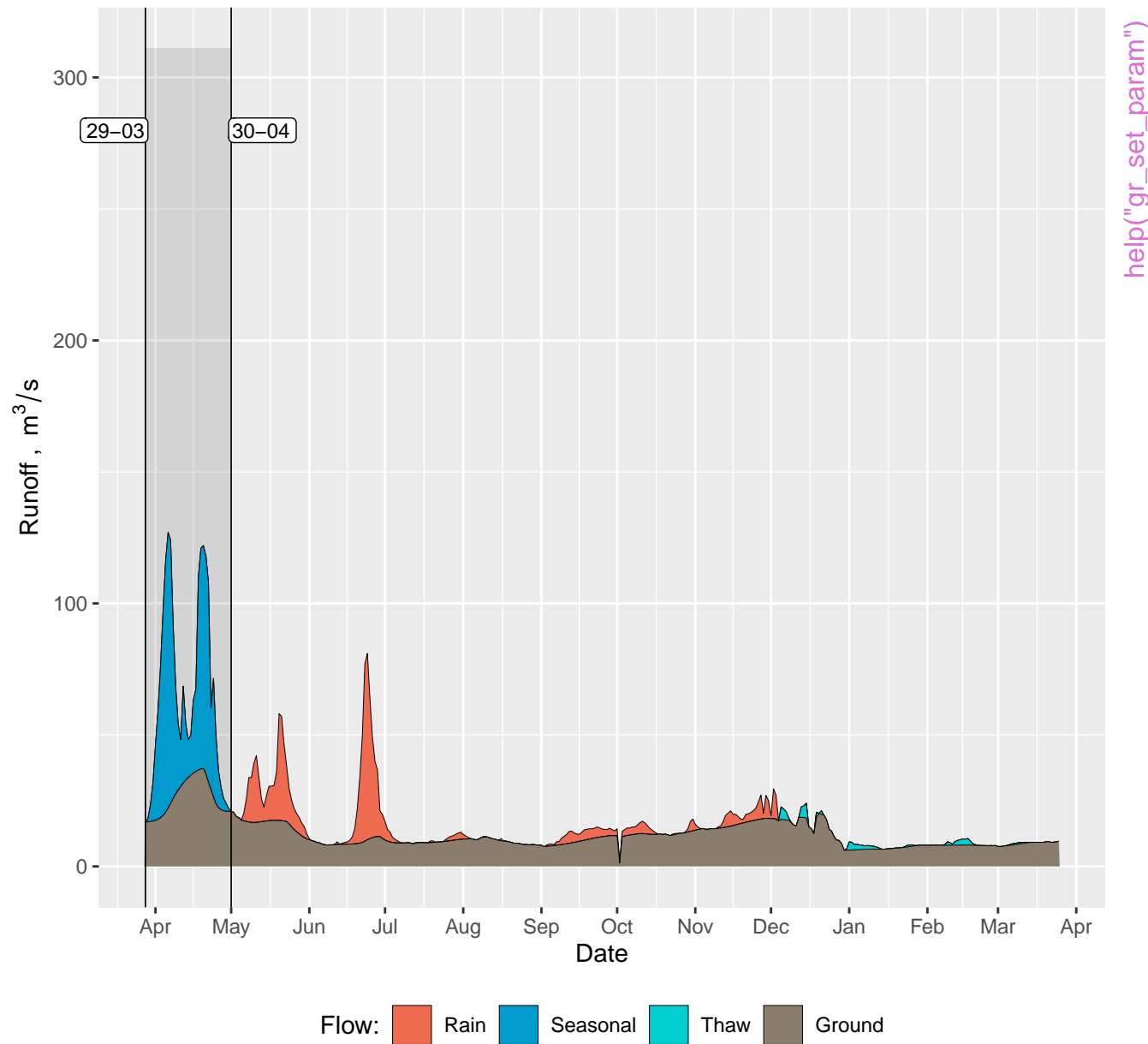
1978

1978-03-29 - 1979-03-25



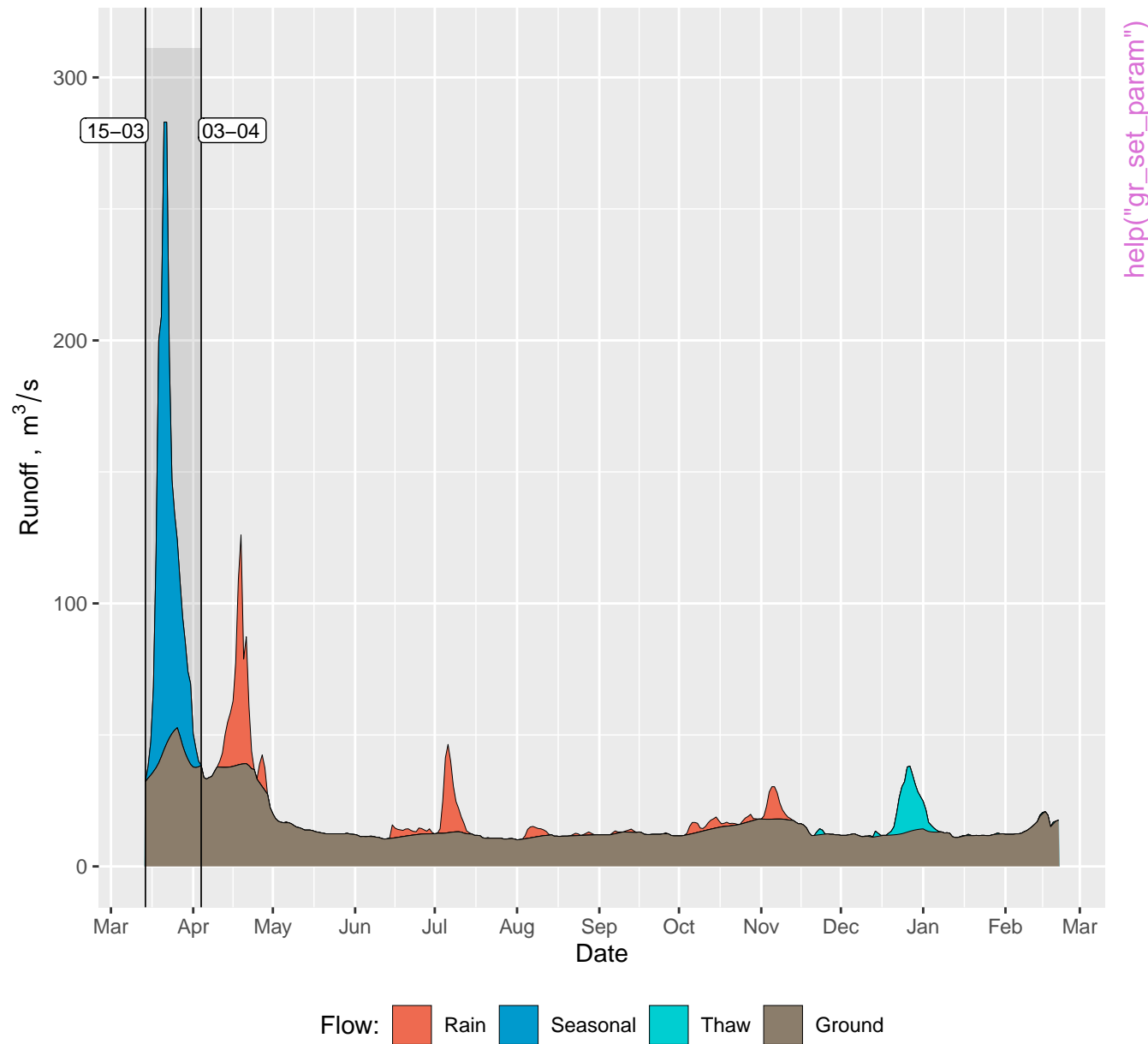
1978

1978-03-29 - 1979-03-25



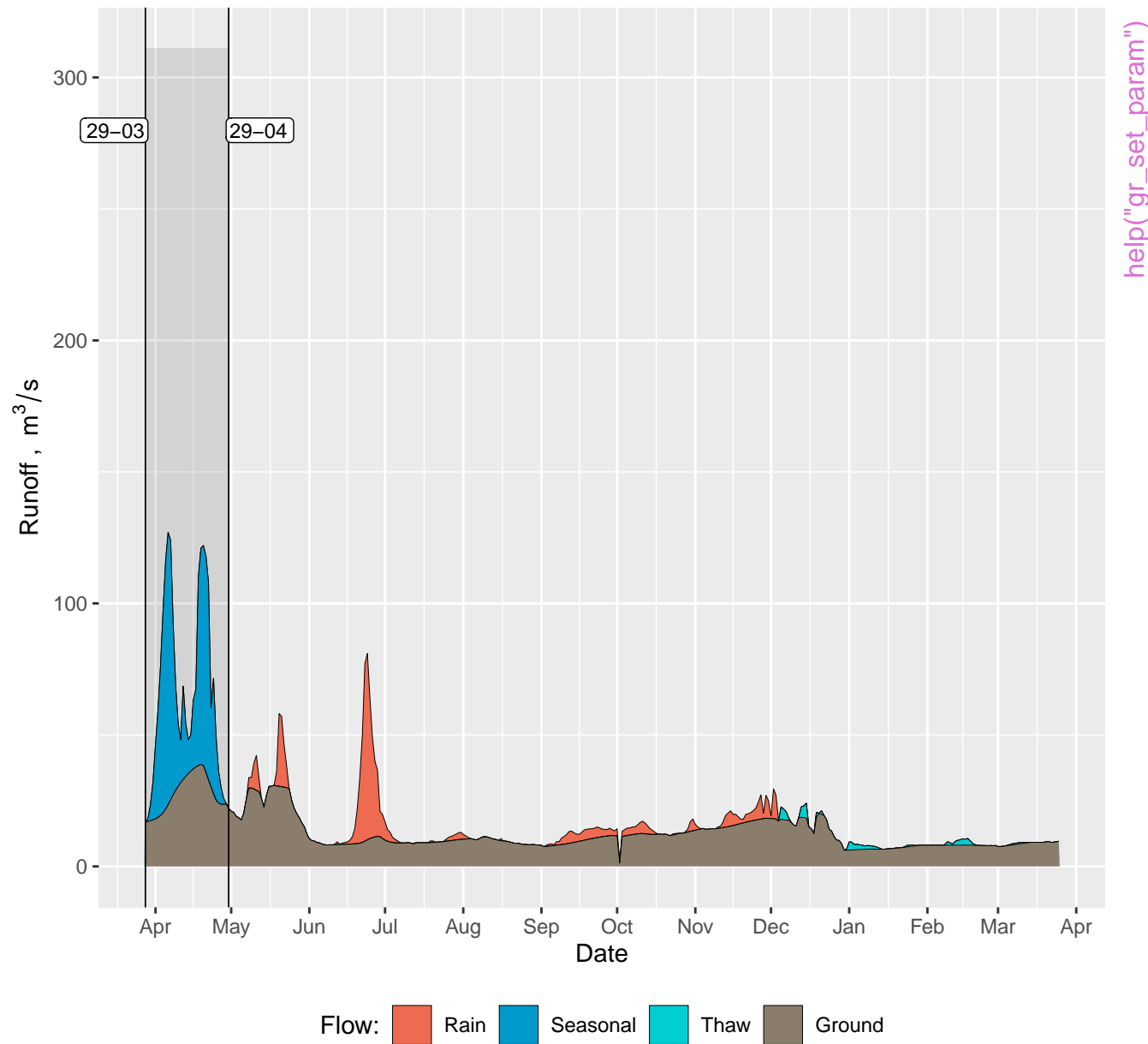
1989

1989-03-15 – 1990-02-21



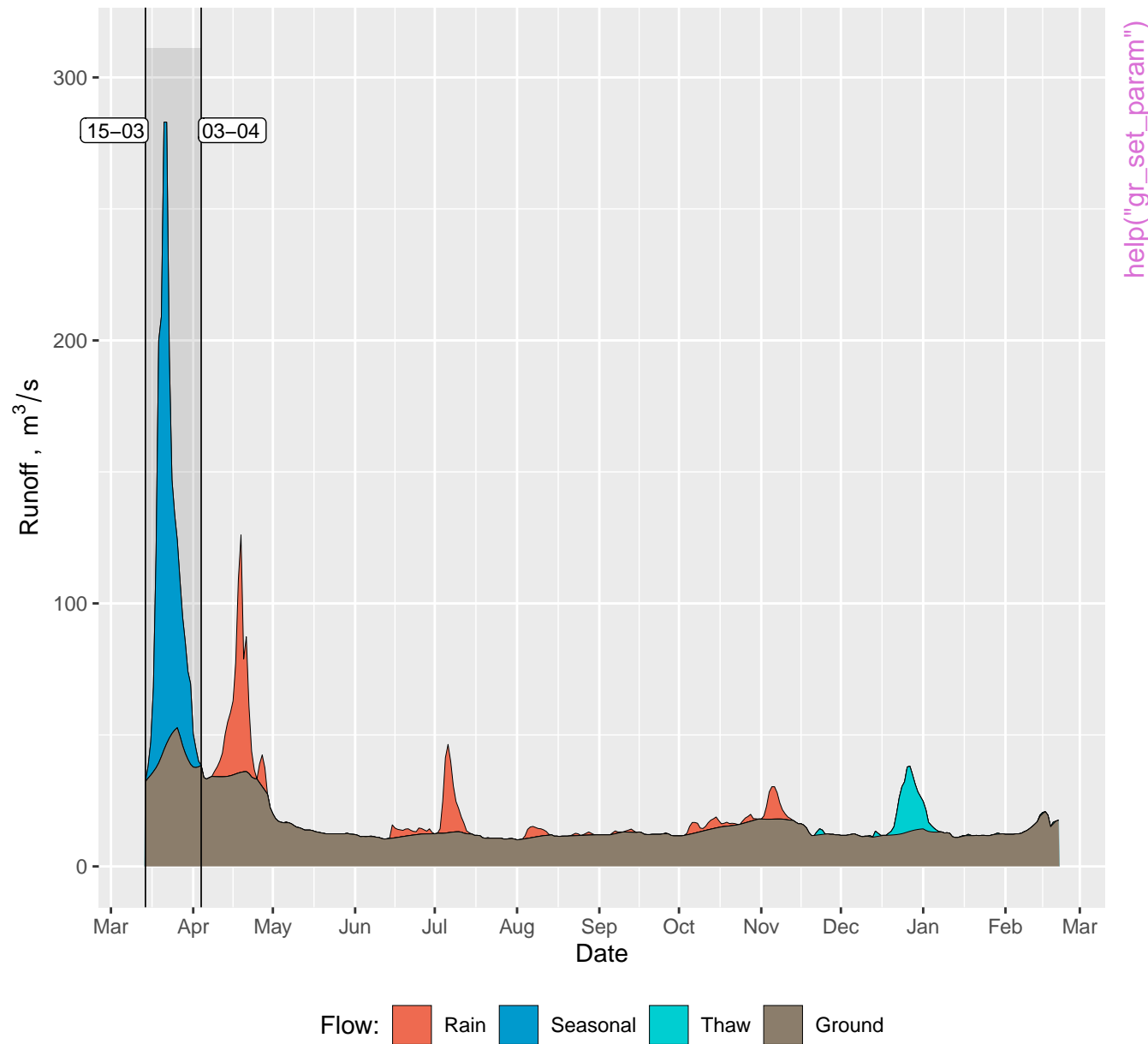
1978

1978-03-29 - 1979-03-25



1989

1989-03-15 – 1990-02-21



Mean annual groundwater ("baseflow") runoff

Mann–Kendall: $z = 4.339$, $p = 1e-05$

Theil–Sen: $i = 0.0883$, $p = 0$. Pettitt: $U^* = 865$, $p = 0$

