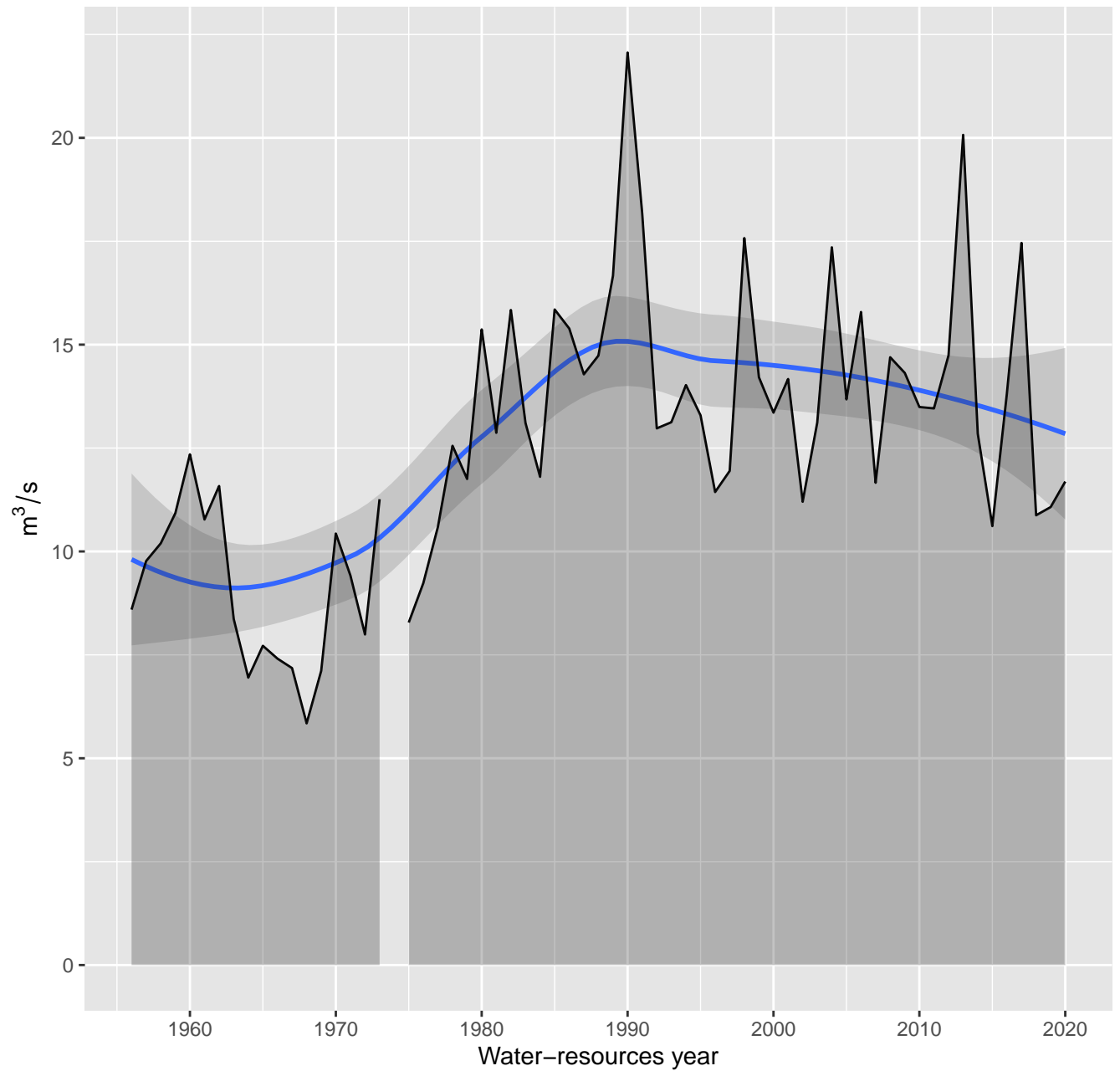
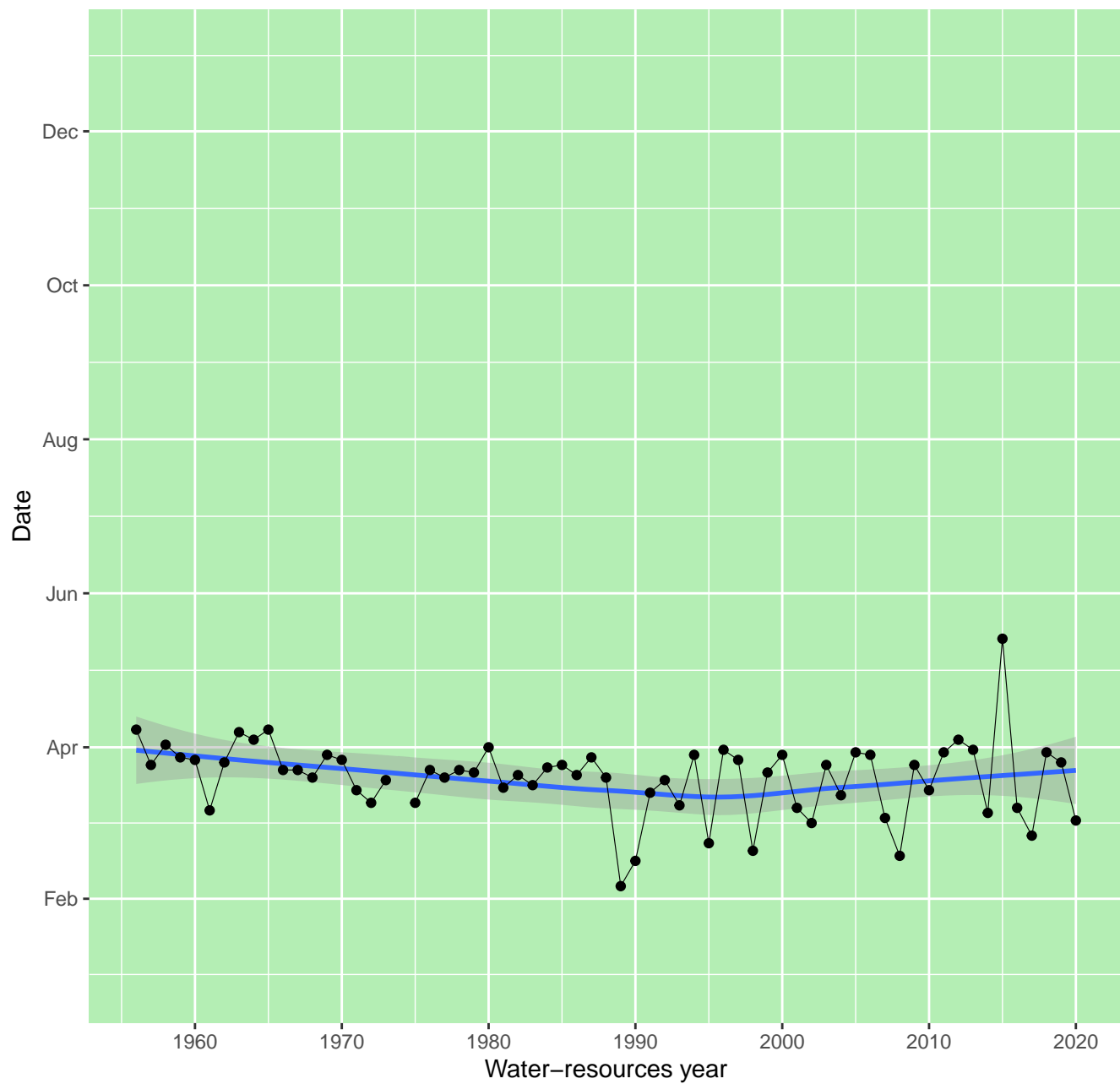


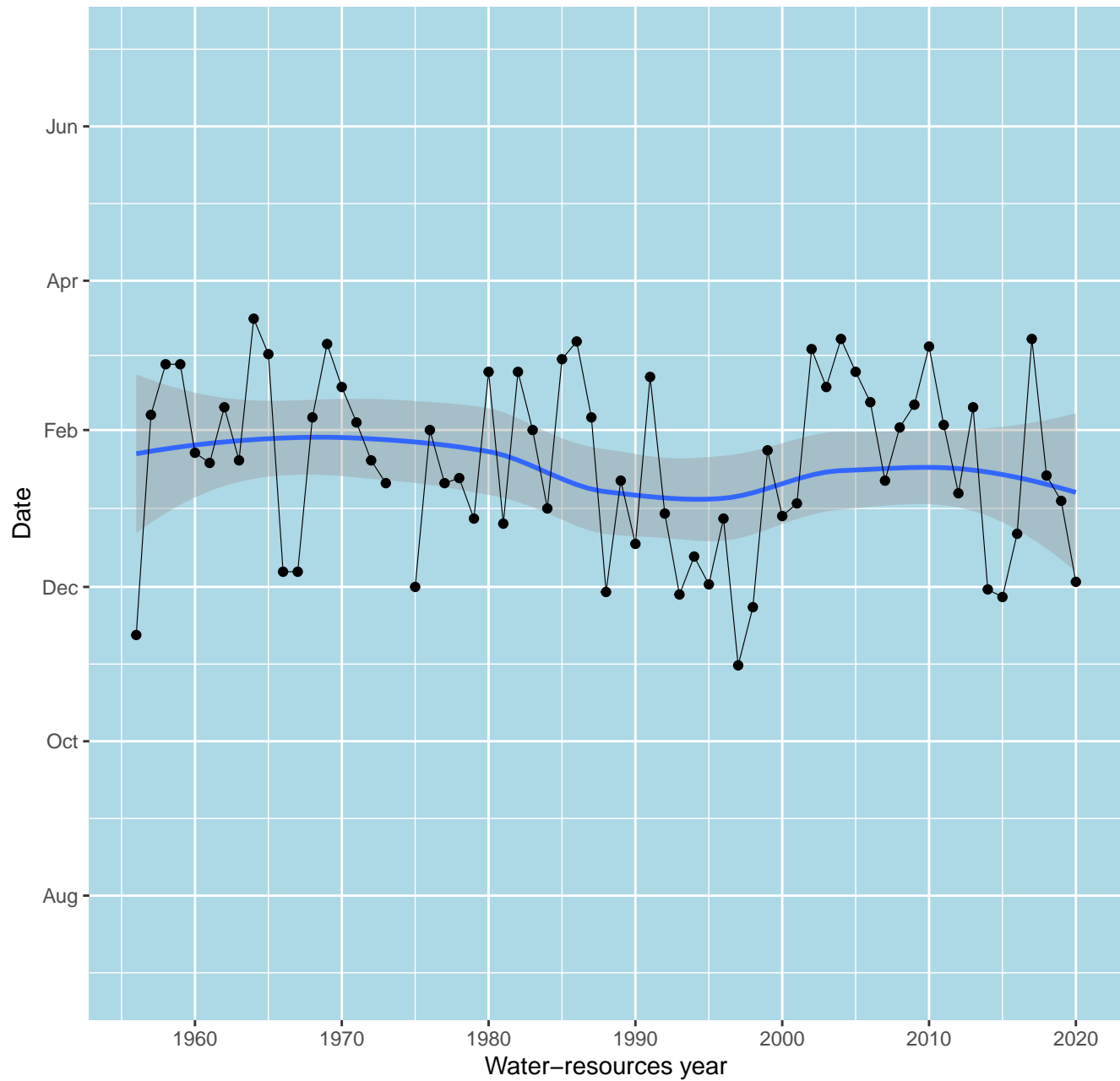
**Mean annual groundwater ("baseflow") runoff**



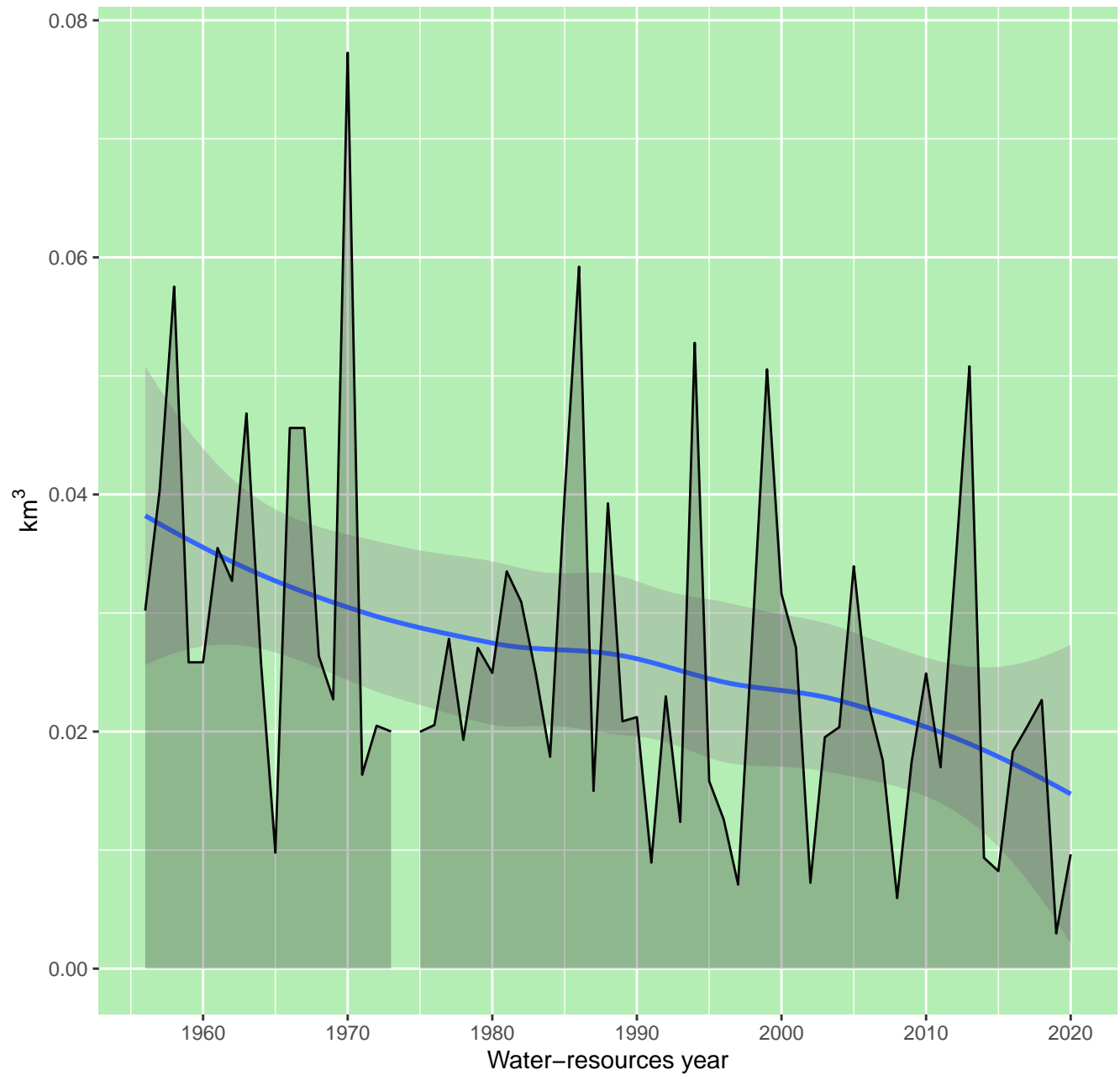
**First date of a spring flood**

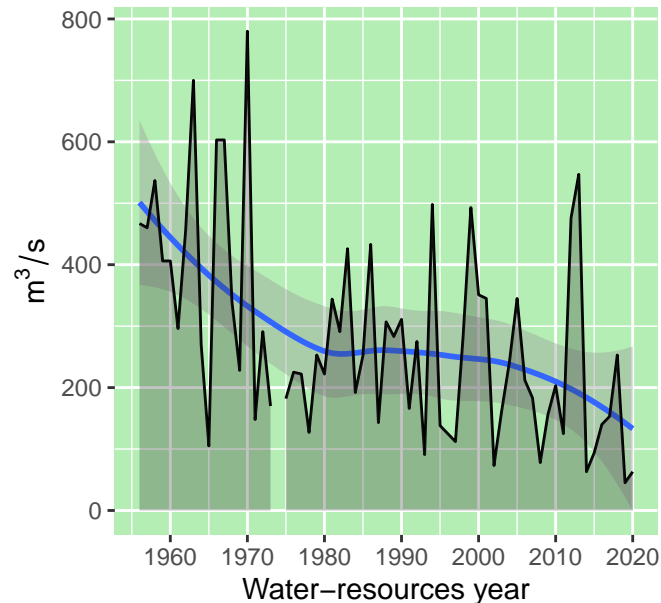
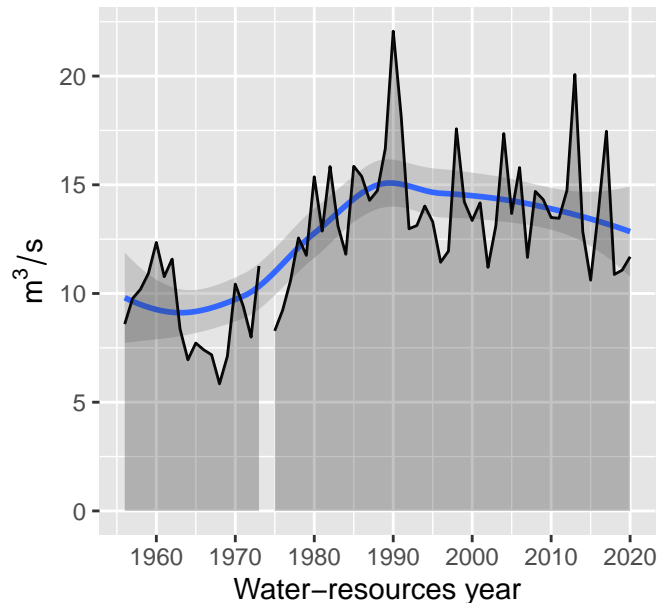
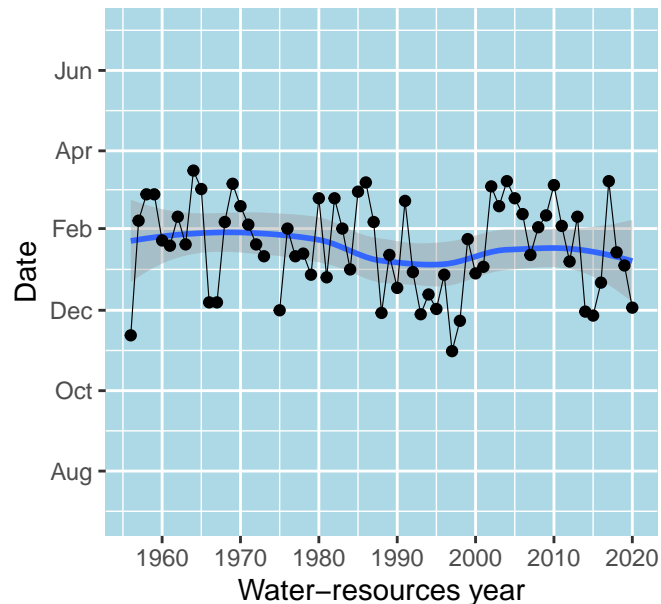
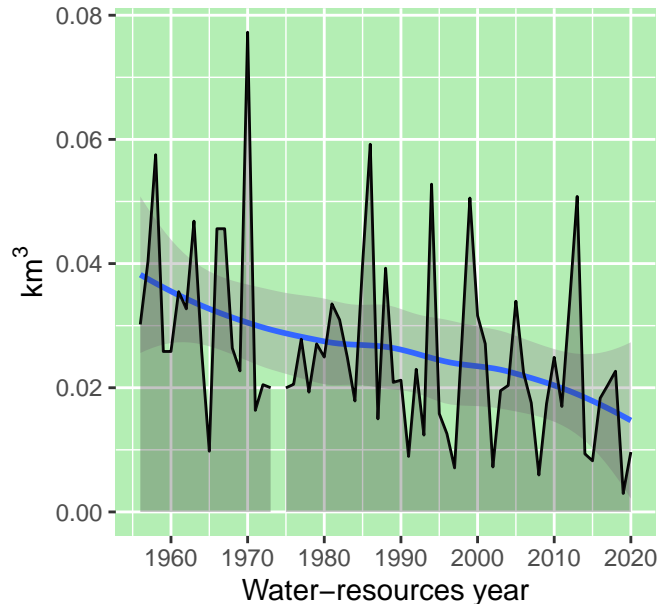


**First date of minimum 10-day averaged winter runoff**



**Spring flood runoff volume (with groundwater and rain)**

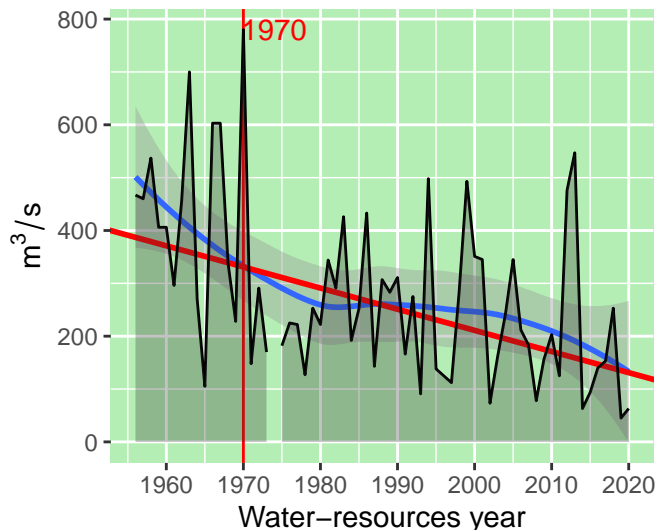


**Maximum spring flood runoff****Mean annual groundwater ("baseflow")****First date of minimum 10-day average****Spring flood runoff volume (with gro**

### Maximum spring flood runoff

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

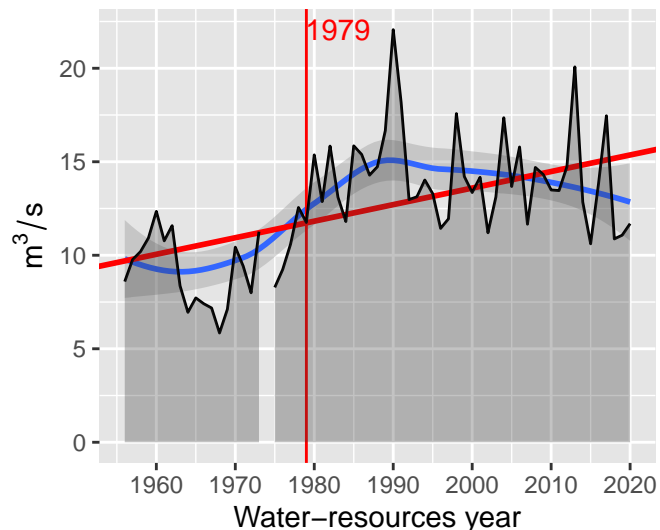
Theil–Sen:  $i = -4$ ,  $p = 0$ . Pettitt:  $U^* = 481$ ,  $p$



### Mean annual groundwater ("baseflow")

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

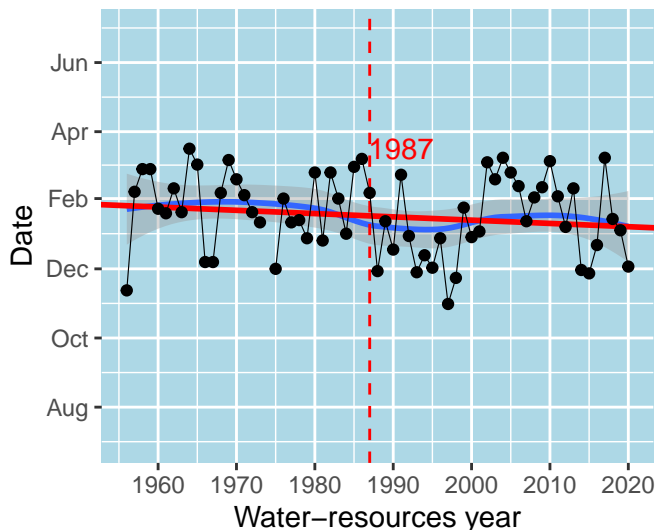
Theil–Sen:  $i = 0.08852$ ,  $p = 0$ . Pettitt:  $U^* = 8$



### First date of minimum 10-day average

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

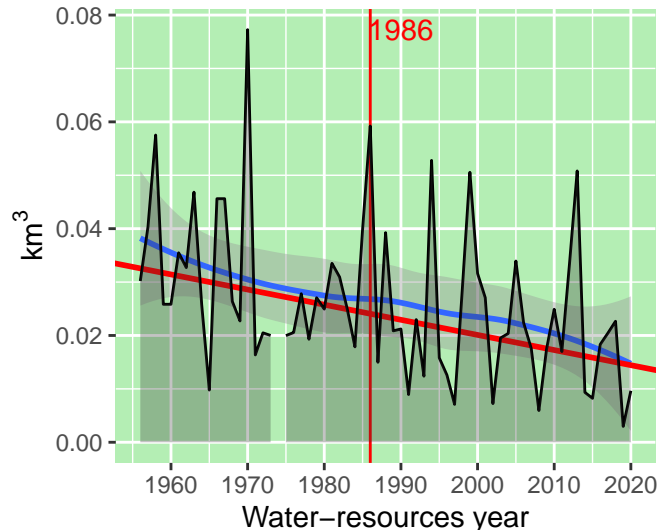
Theil–Sen:  $i = -0.2892$ ,  $p = 4e-05$ . Pettitt:  $U^* = 481$ ,  $p$



### Spring flood runoff volume (with ground)

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

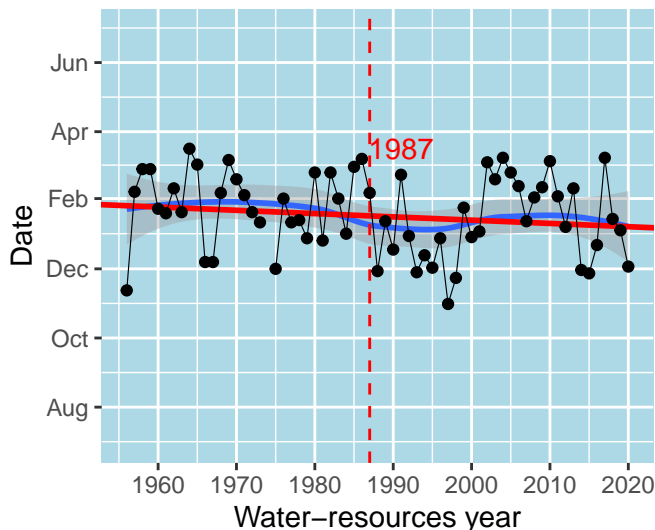
Theil–Sen:  $i = -0.00028$ ,  $p = 0$ . Pettitt:  $U^* = 481$ ,  $p$



### First date of minimum 10-day average

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

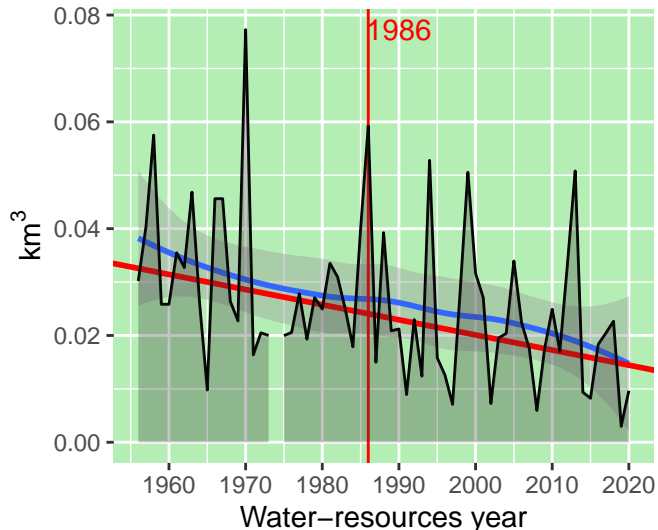
Theil-Sen:  $i = -0.2892$ ,  $p = 4e-05$ . Pettitt: L



### Spring flood runoff volume (with gro

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

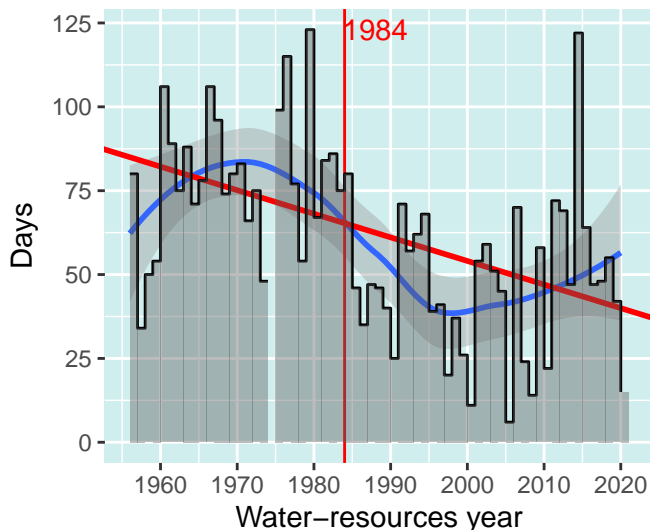
Theil-Sen:  $i = -0.00028$ ,  $p = 0$ . Pettitt:  $U^* =$



### Number of thaw flood days

Mann-Kendall:  $z = -4.086$ ,  $p = 4e-05$

Theil-Sen:  $i = -0.7032$ ,  $p = 0$ . Pettitt:  $U^* = 7$



### Maximum rain flood runoff

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

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

