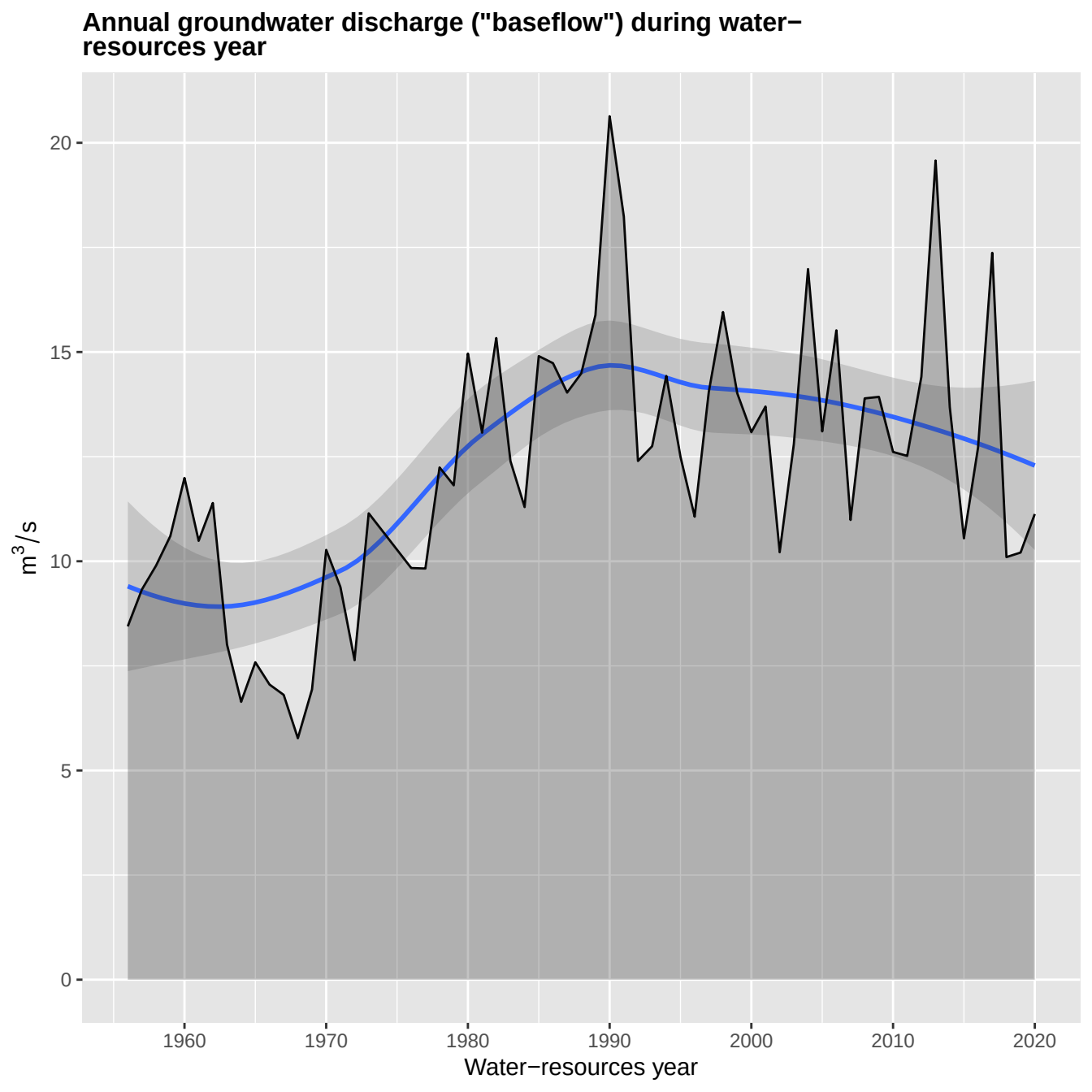
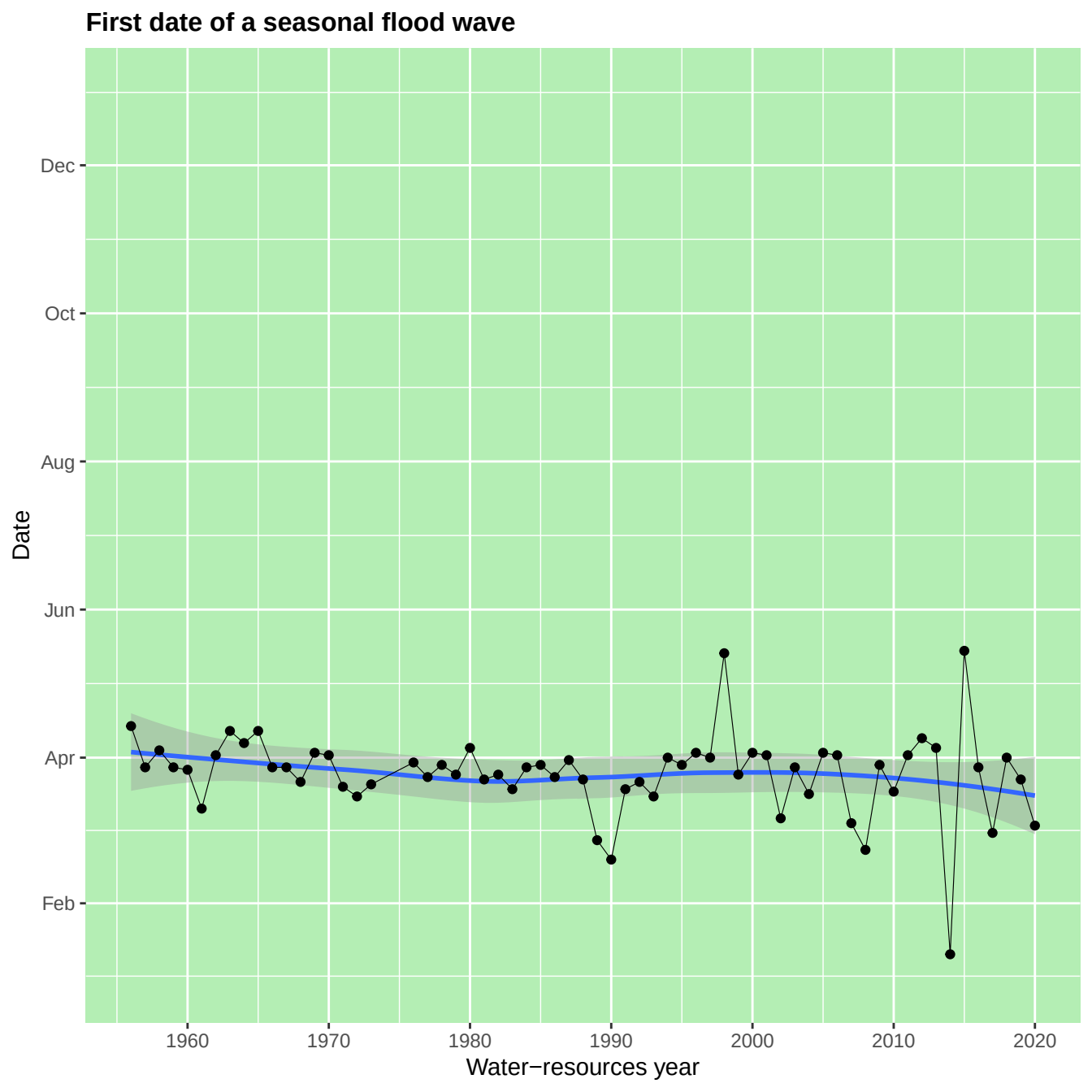
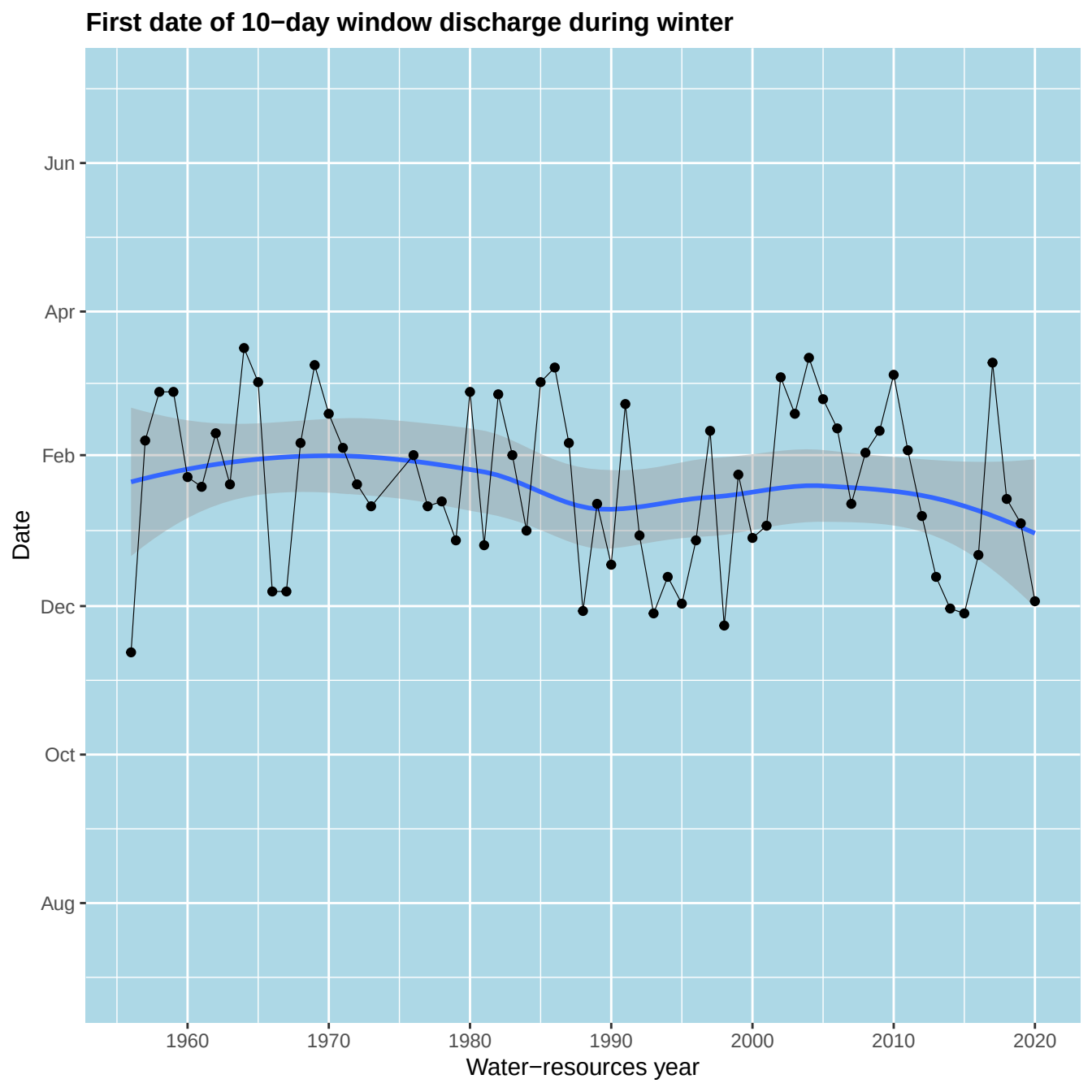
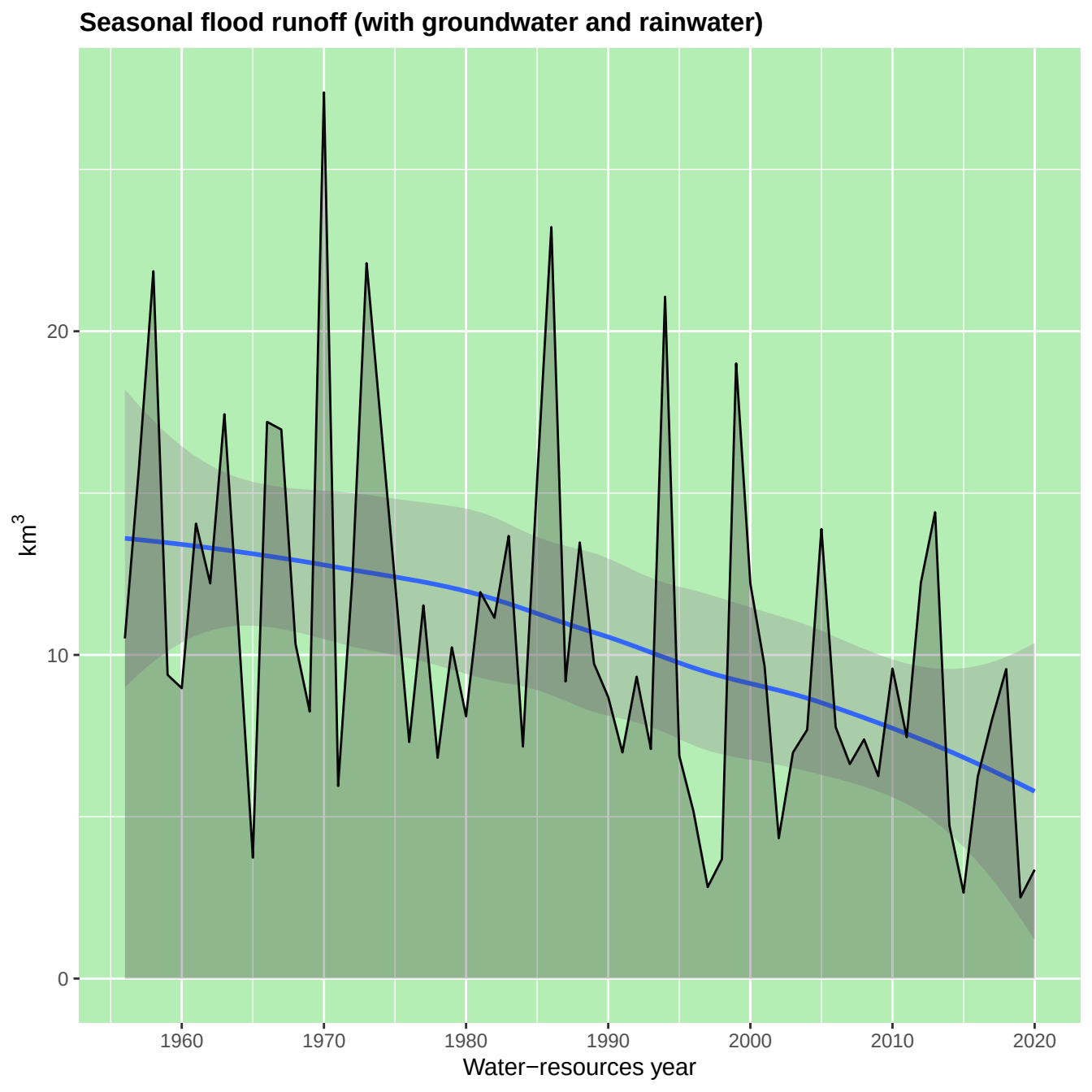
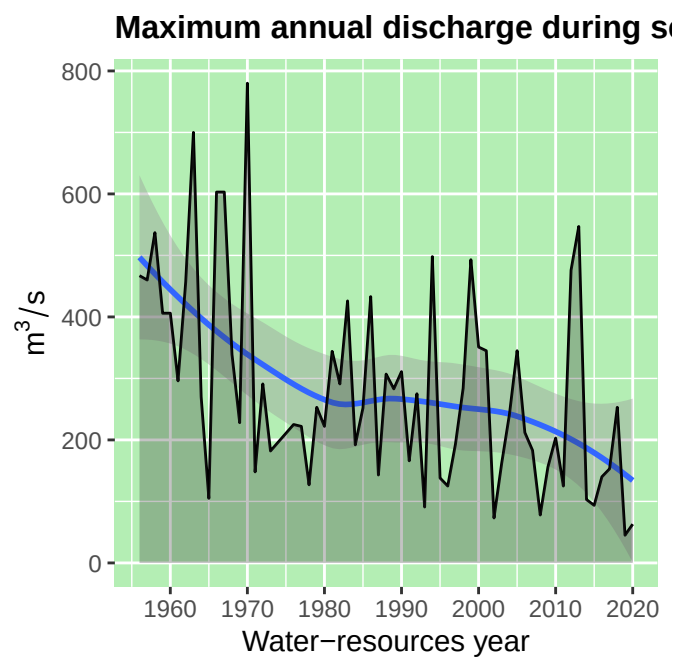
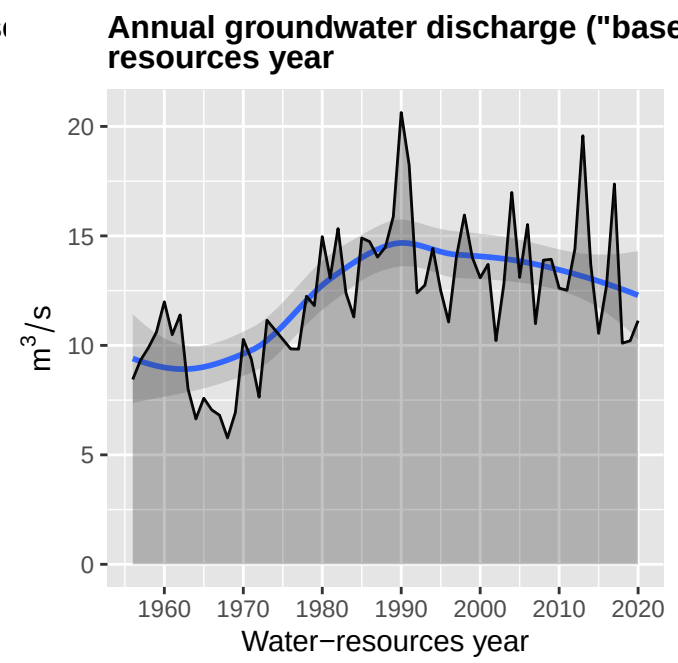

Annual groundwater discharge ("baseflow") during water−resources year
20
15
10
5
0
m3/s
1960
1970
1980
1990
2000
2010
2020
Water−resources year

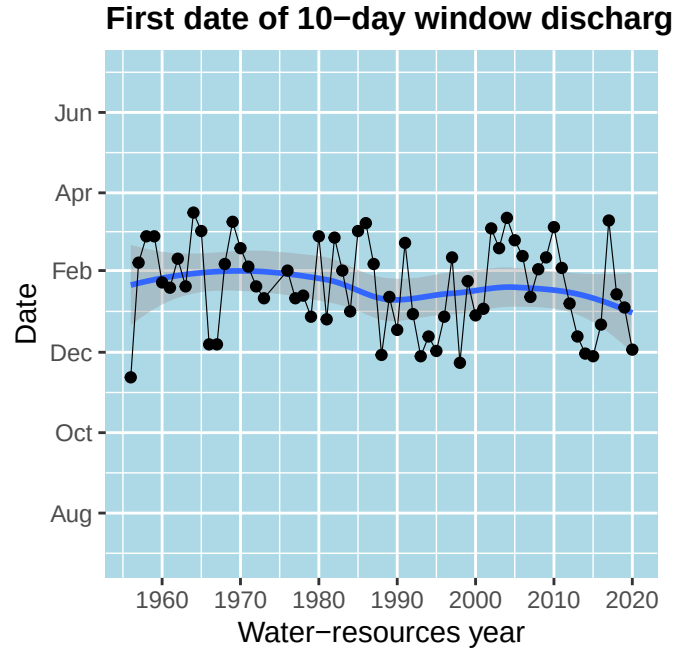

First date of a seasonal flood wave
Dec
Oct
Aug
Jun
Apr
Feb
Date
1960
1970
1980
1990
2000
2010
2020
Water−resources year

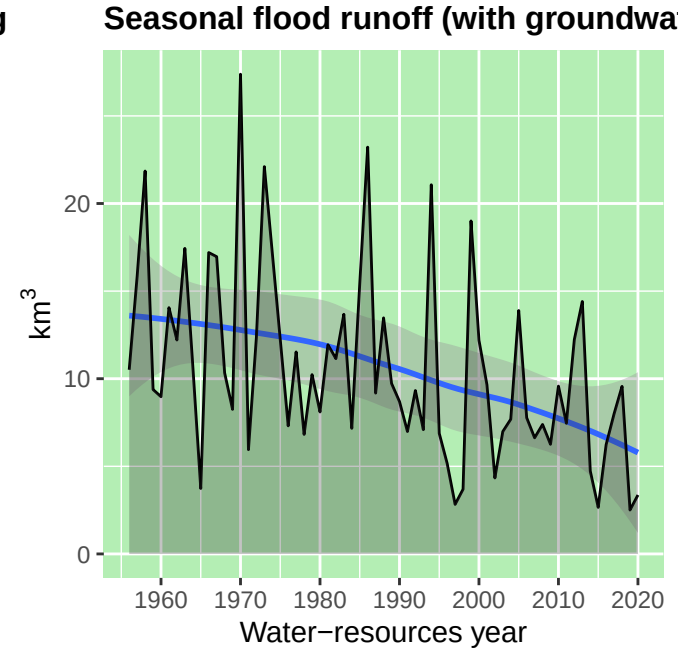

First date of 10−day window discharge during winter
Jun
Apr
Feb
Dec
Oct
Aug
Date
1960
1970
1980
1990
2000
2010
2020
Water−resources year


Seasonal flood runoff (with groundwater and rainwater)
km3
20
10
0
1960
1970
1980
1990
2000
2010
2020
Water−resources year


Maximum annual discharge during s
800
600
400
200
0
m3/s
1960
1970
1980
1990
2000
2010
2020
Water−resources year

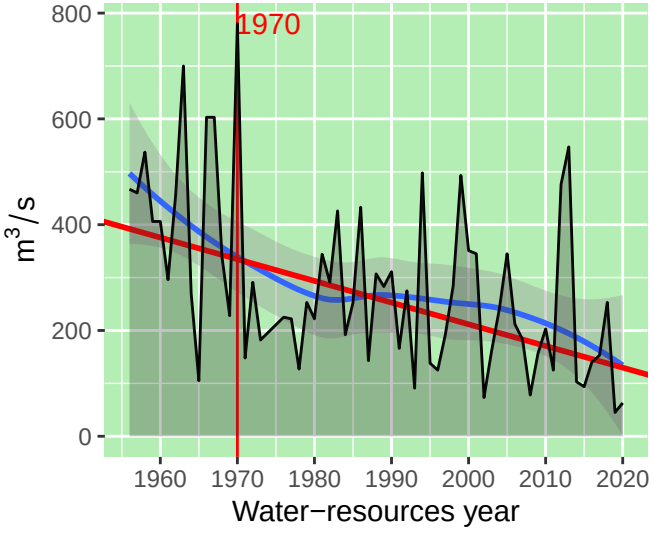

Annual groundwater discharge ("base
resources year
20
15
10
5
0
m3/s
1960
1970
1980
1990
2000
2010
2020
Water−resources year


First date of 10−day window discharg
Jun
Apr
Feb
Dec
Oct
Aug
Date
1960
1970
1980
1990
2000
2010
2020
Water−resources year


Seasonal flood runoff (with groundwa
20
10
0
km3
1960
1970
1980
1990
2000
2010
2020
Water−resources year

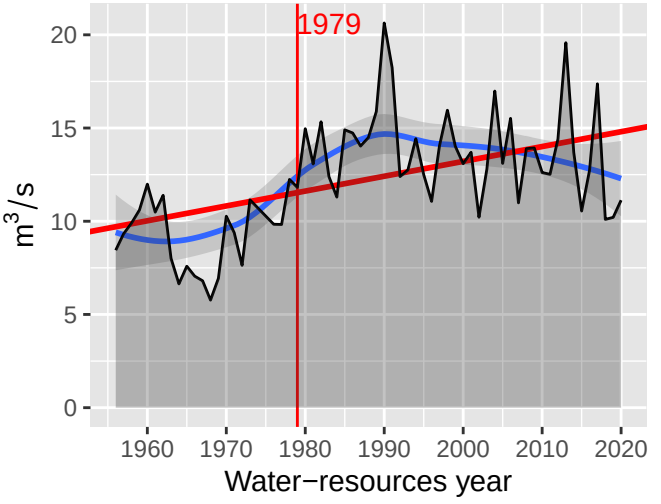
Maximum annual discharge during s

Mann−Kendall: z = −3.98, p = 7e−05
Theil−Sen: i = −4.1, p = 0. Pettitt: U* = 468,



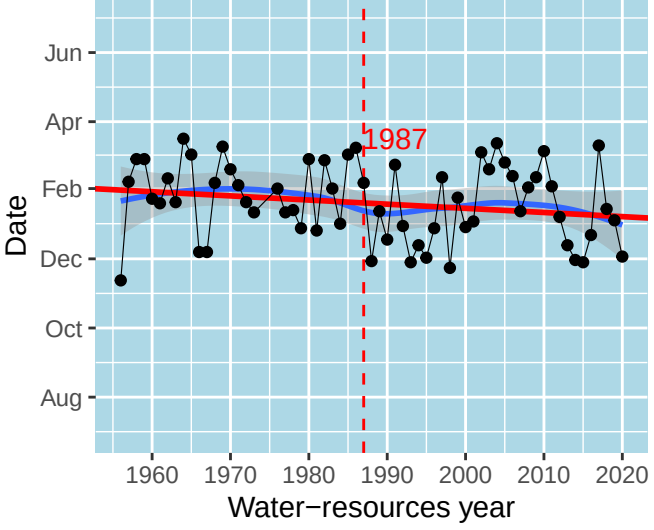
Annual groundwater discharge ("base resources year

Mann−Kendall: z = 3.855, p = 0.00012
Theil−Sen: i = 0.07966, p = 0. Pettitt: U* = 8



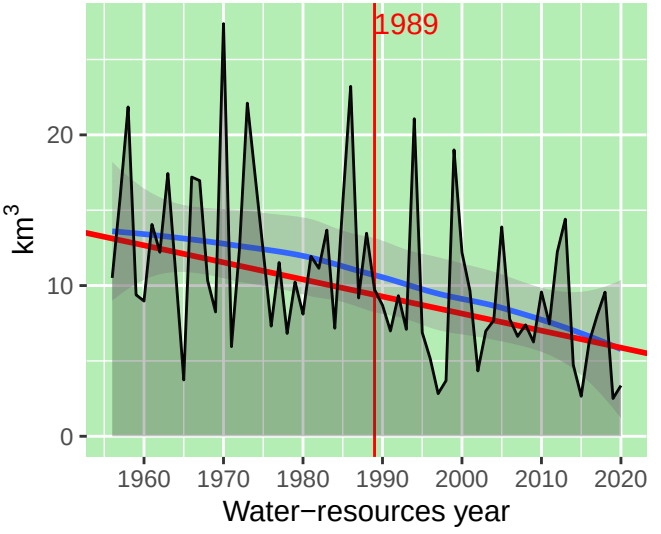
First date of 10−day window discharg

Mann−Kendall: z = −1.43, p = 0.15278
Theil−Sen: i = −0.36585, p = 0. Pettitt: U* =



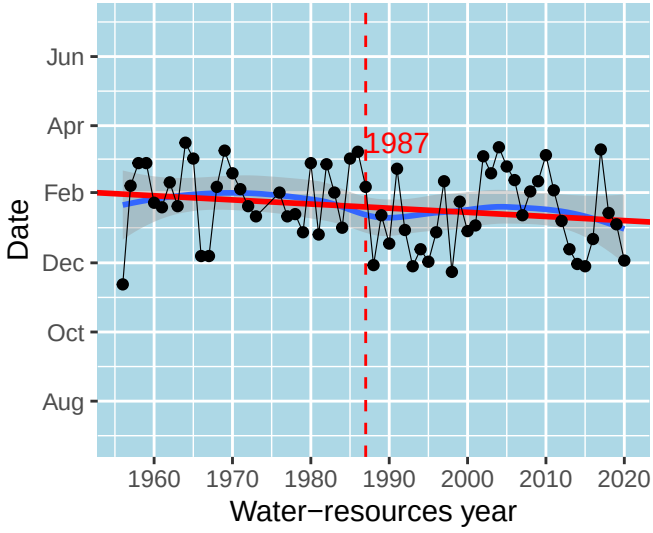
Seasonal flood runoff (with groundwa

Mann−Kendall: z = −3.725, p = 2e−04
Theil−Sen: i = −0.11323, p = 0. Pettitt: U* = 5



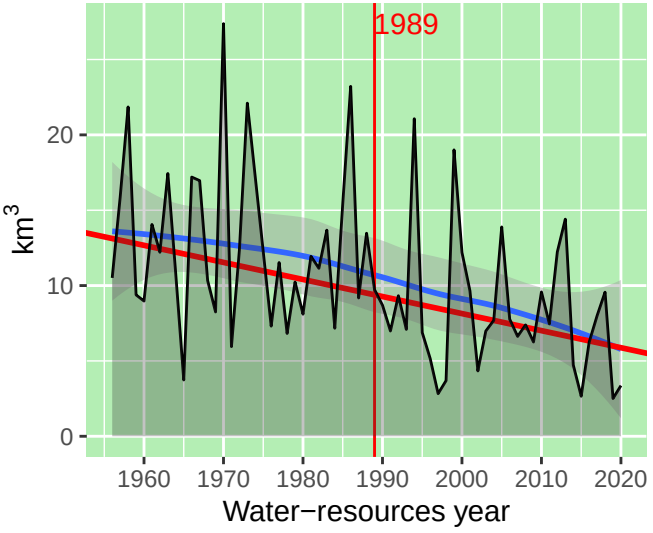
First date of 10−day window discharg

Mann−Kendall: z = −1.43, p = 0.15278
Theil−Sen: i = −0.36585, p = 0. Pettitt: U* =



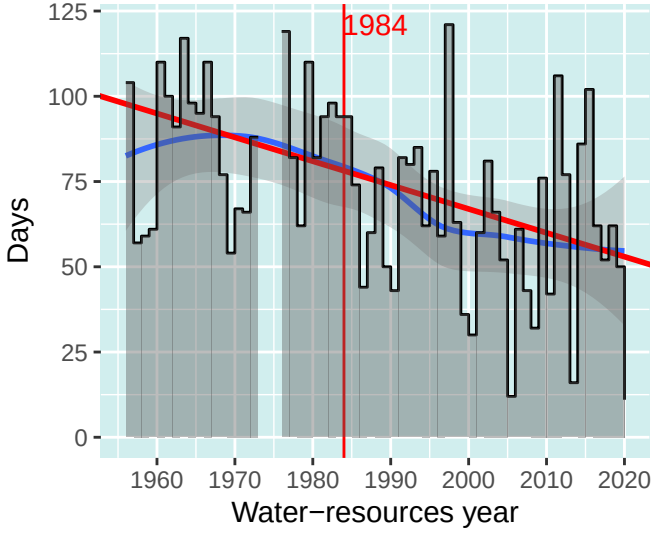
Seasonal flood runoff (with groundwa

Mann−Kendall: z = −3.725, p = 2e−04
Theil−Sen: i = −0.11323, p = 0. Pettitt: U* = 5



Number of days with thaw−flood ever

Mann−Kendall: z = −3.799, p = 0.00015
Theil−Sen: i = −0.7, p = 0. Pettitt: U* = 565,



Maximum rain−flood discharge

Mann−Kendall: z = 0.48, p = 0.63092
Theil−Sen: i = 0.06738, p = 0.24145. Pettitt