Supplement of Climate elasticity of streamflow revisited – an elasticity index based on long-term hydrometeorological records

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Catchment A1152010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(f) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$

- $\bar{Q}_{LT}$
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400
Catchment A2073010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
Catchment A2122010

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_l$
(c) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_l$
(f) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_l$
(i) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_l$
(l) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment A2332110

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment A2612010

- Co-variations of $Q$ vs $P$
- Co-variations of $Q$ vs $E$
- Co-variations of $Q$ vs $E$ vs $P$

Legend:
- $Q_{20}$ vs $Q_{LT}$
- $Q_{10}$ vs $Q_{LT}$
- $Q_{0}$ vs $Q_{LT}$

Periods:
- 1-year
- 5-year
- 10-year
- 20-year
Catchment A3422010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $Q_{20 yr} - Q_{LT}$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $Q_{10 yr} - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $Q_{10 yr} - Q_{LT}$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $Q_{20 yr} - Q_{LT}$ vs $P$

Catchment A3472010
Catchment A3712010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{20} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{5} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{10} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{20} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$
Catchment A3832010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

Q_{20yr} - Q_{LT}

Q_{10yr} - Q_{LT}

Q_{5yr} - Q_{LT}

Q_{1yr} - Q_{LT}
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E$

(c) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E$

(f) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E$

(i) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E$

(l) Co-variations of $\bar{Q}$ vs $E$ vs $P$
Catchment A5261010

10-year periods

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $\dot{E}$

(c) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $P$


5-year periods

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $\dot{E}$

(f) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $P$


1-year periods

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $\dot{E}$

(i) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $P$


10-year periods

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $\dot{E}$

(l) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $P$
Catchment A6151030

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$
(c) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

10-year periods

(i) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$
Catchment A6571110

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $Q_{20y} - Q_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $Q_{20y} - Q_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $Q_{10y} - Q_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $Q_{20y} - Q_{LT}$ vs $\bar{P}$
Catchment A6731220

10-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}_{20} - \bar{Q}_{LT}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(f) Co-variations of $\bar{Q}_{20} - \bar{Q}_{LT}$

1-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(i) Co-variations of $\bar{Q}_{10} - \bar{Q}_{LT}$

5-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}_{20} - \bar{Q}_{LT}$
Catchment A7821010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment A9942010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment B0220010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$
(i) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment B1092010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_1$

(c) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_1$

(f) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_1$

(i) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_1$

(l) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$
Catchment B2220010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20y}$ vs $\bar{E}_L$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20y}$ vs $\bar{E}_L$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y}$ vs $\bar{E}_L$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y}$ vs $\bar{E}_L$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{10}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

Catchment E1766010

10-year periods

5-year periods

1-year periods

20-year periods
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(c) Co-variations of $Q_{yr} - Q_{LT}$ vs $\tilde{E}0$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(f) Co-variations of $Q_{yr} - Q_{LT}$ vs $\tilde{E}0$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(i) Co-variations of $Q_{yr} - Q_{LT}$ vs $\tilde{E}0$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(l) Co-variations of $Q_{yr} - Q_{LT}$ vs $\tilde{E}0$ vs $P$
Catchment E3346010

(a) Co-variations of \( \bar{Q} \) vs \( P \)

(b) Co-variations of \( \bar{Q} \) vs \( E_1 \)

(c) Co-variations of \( \bar{Q} \) vs \( E_1 \) vs \( P \)

(d) Co-variations of \( \bar{Q} \) vs \( P \)

(e) Co-variations of \( \bar{Q} \) vs \( E_1 \)

(f) Co-variations of \( \bar{Q} \) vs \( E_1 \) vs \( P \)

(g) Co-variations of \( \bar{Q} \) vs \( P \)

(h) Co-variations of \( \bar{Q} \) vs \( E_1 \)

(i) Co-variations of \( \bar{Q} \) vs \( E_1 \) vs \( P \)

(j) Co-variations of \( \bar{Q} \) vs \( P \)

(k) Co-variations of \( \bar{Q} \) vs \( E_1 \)

(l) Co-variations of \( \bar{Q} \) vs \( E_1 \) vs \( P \)

1-year periods

5-year periods

10-year periods

20-year periods
A series of scatter plots showing co-variations of different parameters over various time periods for Catchment E4035710.

- **1-year periods**
  - (a) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
  - (b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

- **5-year periods**
  - (c) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$
  - (d) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
  - (e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

- **10-year periods**
  - (f) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$
  - (g) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
  - (h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

- **20-year periods**
  - (i) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$
  - (j) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
  - (k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

The plots are color-coded to represent different values of $\tilde{Q}$ and $\tilde{E}$.
Catchment E5300210

20-year periods

(a) Co-variations of \( Q \) vs \( P \)

(b) Co-variations of \( Q \) vs \( E_i \)

(c) Co-variations of \( Q \) vs \( E_i \) vs \( P \)

5-year periods

(d) Co-variations of \( Q \) vs \( P \)

(e) Co-variations of \( Q \) vs \( E_i \)

(f) Co-variations of \( Q \) vs \( E_i \) vs \( P \)

1-year periods

(g) Co-variations of \( Q \) vs \( P \)

(h) Co-variations of \( Q \) vs \( E_i \)

(i) Co-variations of \( Q \) vs \( E_i \) vs \( P \)

10-year periods

(j) Co-variations of \( Q \) vs \( P \)

(k) Co-variations of \( Q \) vs \( E_i \)

(l) Co-variations of \( Q \) vs \( E_i \) vs \( P \)
Catchment E6470910

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $\dot{E}$

(c) Co-variations of $\dot{Q}$ vs $\dot{E} | P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $\dot{E}$

(f) Co-variations of $\dot{Q}$ vs $\dot{E} | P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $\dot{E}$

(i) Co-variations of $\dot{Q}$ vs $\dot{E} | P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $\dot{E}$

(l) Co-variations of $\dot{Q}$ vs $\dot{E} | P$
Catchment G1003010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{I}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{I}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{I}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{I}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{52}$ vs $\bar{E}$ vs $\bar{P}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{52}$ vs $\bar{E}$ vs $\bar{P}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{10}$ vs $\bar{E}$ vs $\bar{P}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}$ vs $\bar{P}$

Catchment H0100010
Catchment H0100020

(a) Co-variations of \( Q \) vs \( P \)

(b) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(c) Co-variations of \( Q_{20yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(d) Co-variations of \( Q \) vs \( P \)

(e) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(f) Co-variations of \( Q_{20yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(g) Co-variations of \( Q \) vs \( P \)

(h) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(i) Co-variations of \( Q_{10yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(j) Co-variations of \( Q \) vs \( P \)

(k) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(l) Co-variations of \( Q_{20yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)
Catchment H0400010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}_1$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$
Catchment H0503010

(a) Co-variations of $\overline{Q}$ vs $\overline{P}$
(b) Co-variations of $\overline{Q}$ vs $\overline{E}$
(c) Co-variations of $\overline{Q}_{SP} - \overline{Q}_{LT}$ vs $\overline{E}$
(d) Co-variations of $\overline{Q}$ vs $\overline{P}$
(e) Co-variations of $\overline{Q}$ vs $\overline{E}$
(f) Co-variations of $\overline{Q}_{SP} - \overline{Q}_{LT}$ vs $\overline{P}$
(g) Co-variations of $\overline{Q}$ vs $\overline{P}$
(h) Co-variations of $\overline{Q}$ vs $\overline{E}$
(i) Co-variations of $\overline{Q}_{SP} - \overline{Q}_{LT}$ vs $\overline{P}$
(j) Co-variations of $\overline{Q}$ vs $\overline{P}$
(k) Co-variations of $\overline{Q}$ vs $\overline{E}$
(l) Co-variations of $\overline{Q}_{SP} - \overline{Q}_{LT}$ vs $\overline{P}$
Catchment H1051020

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$
Catchment H1333010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment H1513210

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E$

(c) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E$

(f) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E$

(i) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E$

(l) Co-variations of $\bar{Q}$ vs $E$ vs $P$
Catchment H2073110

1-year periods

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

10-year periods

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

20-year periods

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$
(a) Co-variations of $\dot{Q}$ vs $\dot{P}$
(b) Co-variations of $\dot{Q}$ vs $\dot{E}$
(c) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $\dot{P}$
(d) Co-variations of $\dot{Q}$ vs $\dot{P}$
(e) Co-variations of $\dot{Q}$ vs $\dot{E}$
(f) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $\dot{P}$
(g) Co-variations of $\dot{Q}$ vs $\dot{P}$
(h) Co-variations of $\dot{Q}$ vs $\dot{E}$
(i) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $\dot{P}$
(j) Co-variations of $\dot{Q}$ vs $\dot{P}$
(k) Co-variations of $\dot{Q}$ vs $\dot{E}$
(l) Co-variations of $\dot{Q}$ vs $\dot{E}$ vs $\dot{P}$

Catchment H2322010
Catchment H3102010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_l$

(c) Co-variations of $Q_{SP} - Q_{LT}$ vs $E_l$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_l$

(f) Co-variations of $Q_{SP} - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_l$

(i) Co-variations of $Q_{SP} - Q_{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_l$

(l) Co-variations of $Q_{SP} - Q_{LT}$ vs $P$

Legend:
- $Q_{SP} - Q_{LT}$
- Colors represent different values:
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400

1-year periods

5-year periods

10-year periods

20-year periods
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$ vs $\bar{E} - \bar{E}_{LT}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$ vs $\bar{E} - \bar{E}_{LT}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$ vs $\bar{E} - \bar{E}_{LT}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$ vs $\bar{E} - \bar{E}_{LT}$

Catchment H4022020
Catchment H5062010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment H5172010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_0$

(c) Co-variations of $\bar{Q}_P - Q_{LT}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_0$

(f) Co-variations of $\bar{Q}_P - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_0$

(i) Co-variations of $\bar{Q}_P - Q_{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_0$

(l) Co-variations of $\bar{Q}_P - Q_{LT}$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $P$
Catchment H6122010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$[n]

(c) Co-variations of $Q_{20y} - Q_{LT}$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q_{20y} - Q_{LT}$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q_{10y} - Q_{LT}$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q_{20y} - Q_{LT}$ vs $P$
Catchment H6201010

(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E$
(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$
(e) Co-variations of $Q$ vs $E$
(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$
(h) Co-variations of $Q$ vs $E$
(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$
(k) Co-variations of $Q$ vs $E$
(l) Co-variations of $Q$ vs $E$ vs $P
Catchment H7033010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

20-year periods

20-year periods
(a) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)  
(b) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \)  
(c) Co-variations of \( \bar{Q}_{10p} - \bar{Q}_{LT} \) vs \( \bar{E}_0 \) vs \( \bar{P} \)  

5-year periods:

(d) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)  
(e) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \)  
(f) Co-variations of \( \bar{Q}_{10p} - \bar{Q}_{LT} \) vs \( \bar{E}_0 \) vs \( \bar{P} \)  

10-year periods:

(g) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)  
(h) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \)  
(i) Co-variations of \( \bar{Q}_{10p} - \bar{Q}_{LT} \) vs \( \bar{E}_0 \) vs \( \bar{P} \)  

20-year periods:

(j) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)  
(k) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \)  
(l) Co-variations of \( \bar{Q}_{20p} - \bar{Q}_{LT} \) vs \( \bar{E}_0 \) vs \( \bar{P} \)
(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_i$
(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_i$
(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_i$
(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_i$
(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
Catchment H7742010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment H7742020

(a) Co-variations of \( Q \) vs \( P \)

(b) Co-variations of \( Q \) vs \( E_{\text{h}} \)

(c) Co-variations of \( Q_{\text{yr}} - Q_{\text{LT}} \) vs \( P \)

(d) Co-variations of \( Q \) vs \( P \)

(e) Co-variations of \( Q \) vs \( E_{\text{h}} \)

(f) Co-variations of \( Q_{\text{yr}} - Q_{\text{LT}} \) vs \( P \)

(g) Co-variations of \( Q \) vs \( P \)

(h) Co-variations of \( Q \) vs \( E_{\text{h}} \)

(i) Co-variations of \( Q_{\text{yr}} - Q_{\text{LT}} \) vs \( P \)

(j) Co-variations of \( Q \) vs \( P \)

(k) Co-variations of \( Q \) vs \( E_{\text{h}} \)

(l) Co-variations of \( Q_{\text{yr}} - Q_{\text{LT}} \) vs \( P \)
Catchment H8012010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_{\text{hr}}$

(c) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}}$ vs $E_{\text{hr}}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_{\text{hr}}$

(f) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}}$ vs $E_{\text{hr}}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_{\text{hr}}$

(i) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}}$ vs $E_{\text{hr}}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_{\text{hr}}$

(l) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}}$ vs $E_{\text{hr}}$ vs $P$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment H8043310

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_0$

(c) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $E_0$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_0$

(f) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_0$

(i) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_0$

(l) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $E_0$

- 1-year periods
- 5-year periods
- 10-year periods
- 20-year periods

$Q_{p} - Q_{LT}$

$E_0$

$P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

Catchment H8212010
Catchment H9331010

- Co-variations of $Q$ vs $P$
- Co-variations of $Q$ vs $E$
- Co-variations of $Q$ vs $E$ vs $P$

1-year periods

20-year periods

5-year periods

10-year periods

20-year periods
Catchment H9501010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{5y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{5y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{10y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{20y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)
(b) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \)
(c) Co-variations of \( \bar{Q} \) vs \( \bar{E}_0 \) vs \( \bar{P} \)

10-year periods

1-year periods

5-year periods

10-year periods

20-year periods

Catchment 1203010
Catchment I2001010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

Catchment I2021010

1-year periods

5-year periods

10-year periods

20-year periods
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P
Catchment 17222020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(1) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}_{\text{SP}} - \bar{Q}_{\text{LT}}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}_{\text{SP}} - \bar{Q}_{\text{LT}}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}_{\text{SP}} - \bar{Q}_{\text{LT}}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}_{\text{SP}} - \bar{Q}_{\text{LT}}$
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E_{\text{ff}}$

(c) Co-variations of $Q$ vs $E_{\text{ff}}$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E_{\text{ff}}$

(f) Co-variations of $Q$ vs $E_{\text{ff}}$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_{\text{ff}}$

(i) Co-variations of $Q$ vs $E_{\text{ff}}$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_{\text{ff}}$

(l) Co-variations of $Q$ vs $E_{\text{ff}}$ vs $P$
(a) Co-variations of $\bar{Q} vs \bar{P}$

(b) Co-variations of $\bar{Q} vs \bar{E}$

(c) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}} vs \bar{P}$

(d) Co-variations of $\bar{Q} vs \bar{P}$

(e) Co-variations of $\bar{Q} vs \bar{E}$

(f) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}} vs \bar{P}$

(g) Co-variations of $\bar{Q} vs \bar{P}$

(h) Co-variations of $\bar{Q} vs \bar{E}$

(i) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}} vs \bar{P}$

(j) Co-variations of $\bar{Q} vs \bar{P}$

(k) Co-variations of $\bar{Q} vs \bar{E}$

(l) Co-variations of $\bar{Q}_{\text{yr}} - Q_{\text{LT}} vs \bar{P}$
Catchment J1103010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_j$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_j$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_j$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_j$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_j$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_j$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_j$ vs $\bar{P}$
Catchment J1813010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(c) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(f) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E}_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{E}_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{E}_1$ vs $\bar{P}$
Co-variations of $Q$ vs $P$

(a) 1-year periods

(b) 5-year periods

(c) 10-year periods

(d) 20-year periods


Co-variations of $E$ vs $L$

(d) 1-year periods

(e) 5-year periods

(f) 10-year periods

(g) 20-year periods


Co-variations of $Q$ vs $E$

(h) 1-year periods

(i) 5-year periods

(j) 10-year periods

(k) 20-year periods


Co-variations of $Q$ vs $P$

(l) 1-year periods

(m) 5-year periods

(n) 10-year periods

(o) 20-year periods


Catchment J2233010
1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$
Catchment J3213020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $E_i$ vs $P$
Catchment J3834010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{10y}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{10y}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{20 yr} - Q_{LT}$ vs $\bar{F}0$ vs $\bar{P}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{20 yr} - Q_{LT}$ vs $\bar{E}0$ vs $\bar{P}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{10 yr} - Q_{LT}$ vs $\bar{P}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{20 yr} - Q_{LT}$ vs $\bar{E}0$ vs $\bar{P}$
Catchment J4224010

(a) Co-variations of \( Q \) vs \( P \)

(b) Co-variations of \( Q \) vs \( EI \)

(c) Co-variations of \( Q \) vs \( EI \) vs \( P \)

(d) Co-variations of \( Q \) vs \( P \)

(e) Co-variations of \( Q \) vs \( EI \)

(f) Co-variations of \( Q \) vs \( EI \) vs \( P \)

(g) Co-variations of \( Q \) vs \( P \)

(h) Co-variations of \( Q \) vs \( EI \)

(i) Co-variations of \( Q \) vs \( EI \) vs \( P \)

(j) Co-variations of \( Q \) vs \( P \)

(k) Co-variations of \( Q \) vs \( EI \)

(l) Co-variations of \( Q \) vs \( EI \) vs \( P \)
Catchment J4514010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_h$

(c) Co-variations of $\bar{Q}$ vs $E_h$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_h$

(f) Co-variations of $\bar{Q}$ vs $E_h$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_h$

(i) Co-variations of $\bar{Q}$ vs $E_h$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_h$

(l) Co-variations of $\bar{Q}$ vs $E_h$ vs $P$
Catchment J4614010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\overline{E_l}$

(c) Co-variations of $\bar{Q}$ vs $\overline{E_l}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\overline{E_l}$

(f) Co-variations of $\bar{Q}$ vs $\overline{E_l}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\overline{E_l}$

(i) Co-variations of $\bar{Q}$ vs $\overline{E_l}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\overline{E_l}$

(l) Co-variations of $\bar{Q}$ vs $\overline{E_l}$ vs $P$
Catchment J4742010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

10-year periods

(i) Co-variations of $\bar{Q}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

20-year periods

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
Catchment J4803010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E_l$

(c) Co-variations of $Q_{SP}$ vs $Q_{LT}$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E_l$

(f) Co-variations of $Q_{SP}$ vs $E_l$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_l$

(i) Co-variations of $Q_{LT}$ vs $E_l$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_l$

(l) Co-variations of $Q_{SP}$ vs $E_l$ vs $P$
Catchment J4902010
Catchment J5102210

(a) Co-variations of $\bar{Q} vs \bar{P}$

(b) Co-variations of $\bar{Q} vs \bar{E}_0$

(c) Co-variations of $\bar{Q} vs \bar{E}_0 vs \bar{P}$

(d) Co-variations of $\bar{Q} vs \bar{P}$

(e) Co-variations of $\bar{Q} vs \bar{E}_0$

(f) Co-variations of $\bar{Q} vs \bar{E}_0 vs \bar{P}$

(g) Co-variations of $\bar{Q} vs \bar{P}$

(h) Co-variations of $\bar{Q} vs \bar{E}_0$

(i) Co-variations of $\bar{Q} vs \bar{E}_0 vs \bar{P}$

(j) Co-variations of $\bar{Q} vs \bar{P}$

(k) Co-variations of $\bar{Q} vs \bar{E}_0$

(l) Co-variations of $\bar{Q} vs \bar{E}_0 vs \bar{P}$
Catchment J5613010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(c) Co-variations of $\bar{Q}$ vs $E_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(f) Co-variations of $\bar{Q}$ vs $E_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(i) Co-variations of $\bar{Q}$ vs $E_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(l) Co-variations of $\bar{Q}$ vs $E_1$ vs $\bar{P}$
Catchment J5704810

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
Catchment J6213010

(a) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
(b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$
(c) Co-variations of $\tilde{Q}_{10y}$ vs $\tilde{E}$ vs $\tilde{P}$

(d) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
(e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$
(f) Co-variations of $\tilde{Q}_{10y}$ vs $\tilde{E}$ vs $\tilde{P}$

(g) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
(h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$
(i) Co-variations of $\tilde{Q}_{10y}$ vs $\tilde{E}$ vs $\tilde{P}$

(j) Co-variations of $\tilde{Q}$ vs $\tilde{P}$
(k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$
(l) Co-variations of $\tilde{Q}_{20y}$ vs $\tilde{E}$ vs $\tilde{P}$
(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E_1$
(c) Co-variations of $Q$ vs $E_1$ vs $P$
(d) Co-variations of $Q$ vs $P$
(e) Co-variations of $Q$ vs $E_1$
(f) Co-variations of $Q$ vs $E_1$ vs $P$
(g) Co-variations of $Q$ vs $P$
(h) Co-variations of $Q$ vs $E_1$
(i) Co-variations of $Q$ vs $E_1$ vs $P$
(j) Co-variations of $Q$ vs $P$
(k) Co-variations of $Q$ vs $E_1$
(l) Co-variations of $Q$ vs $E_1$ vs $P

1-year periods

5-year periods

10-year periods

20-year periods
Catchment J7824010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment J8002310

1-year periods

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
Catchment J8632410

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$
Catchment J8813010

1-year periods

(a) Co-variations of $\bar{Q}$ vs \(\bar{P}\)

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{5y}$ vs $\bar{E}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs \(\bar{P}\)

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{5y}$ vs $\bar{E}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs \(\bar{P}\)

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y}$ vs $\bar{E}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs \(\bar{P}\)

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y}$ vs $\bar{E}$
Catchment K0010010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_{T}$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_{T}$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_{T}$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_{T}$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$
Catchment K0403010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$

(c) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{1}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$

(f) Co-variations of $\bar{Q}_{5}$ vs $\bar{E}_{1}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_{1}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_2 \bar{P}$ vs $\bar{E}_L$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_2 \bar{P}$ vs $\bar{E}_L$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_2 \bar{P}$ vs $\bar{E}_L$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_2 \bar{P}$ vs $\bar{E}_L$ vs $\bar{P}$

Catchment K0454010
Catchment K0624510

(a) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(c) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$

(d) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(f) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$

(g) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(i) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$

(j) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(l) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $\tilde{P}$
Catchment K0724510

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $\bar{E}_p$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $\bar{E}_p$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $\bar{E}_p$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_p - Q_{LT}$ vs $\bar{E}_p$ vs $\bar{P}$
Catchment K0733220

- **20-year periods**
  - (a) Co-variations of $Q$ vs $P$ with $P_{20} - P_{20}$ [mm/y]
  - (b) Co-variations of $Q$ vs $E_{10}$ with $E_{10} - E_{10}$ [mm/y]
  - (c) Co-variations of $Q$ vs $E_{10}$ with $P_{20} - P_{20}$ [mm/y]

- **10-year periods**
  - (d) Co-variations of $Q$ vs $P$ with $P_{10} - P_{10}$ [mm/y]
  - (e) Co-variations of $Q$ vs $E_{10}$ with $E_{10} - E_{10}$ [mm/y]
  - (f) Co-variations of $Q$ vs $E_{10}$ with $P_{10} - P_{10}$ [mm/y]

- **5-year periods**
  - (g) Co-variations of $Q$ vs $P$ with $P_{5} - P_{5}$ [mm/y]
  - (h) Co-variations of $Q$ vs $E_{5}$ with $E_{5} - E_{5}$ [mm/y]
  - (i) Co-variations of $Q$ vs $E_{5}$ with $P_{5} - P_{5}$ [mm/y]

- **1-year periods**
  - (j) Co-variations of $Q$ vs $P$ with $P_{1} - P_{1}$ [mm/y]
  - (k) Co-variations of $Q$ vs $E_{1}$ with $E_{1} - E_{1}$ [mm/y]
  - (l) Co-variations of $Q$ vs $E_{1}$ with $P_{1} - P_{1}$ [mm/y]
Catchment K1084010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}_{20\text{yr}} - \bar{Q}_{10\text{yr}}$ vs $\bar{E}_0$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}_{20\text{yr}} - \bar{Q}_{10\text{yr}}$ vs $\bar{E}_0$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}_{20\text{yr}} - \bar{Q}_{10\text{yr}}$ vs $\bar{E}_0$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}_{20\text{yr}} - \bar{Q}_{10\text{yr}}$ vs $\bar{E}_0$
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E_1$

(c) Co-variations of $Q$ vs $E_1$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E_1$

(f) Co-variations of $Q$ vs $E_1$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_1$

(i) Co-variations of $Q$ vs $E_1$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_1$

(l) Co-variations of $Q$ vs $E_1$ vs $P$

20-year periods

10-year periods

5-year periods

1-year periods
Catchment K1321810

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10yr} - Q_{LT}$ vs $\bar{E}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20yr} - Q_{LT}$ vs $\bar{E}$ vs $P$
Catchment K1503010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

- 1-year periods
- 20-year periods
- 5-year periods
- 10-year periods
Catchment K1524010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{10}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E$

(c) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E$

(f) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E$

(i) Co-variations of $\bar{Q}$ vs $E$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E$

(l) Co-variations of $\bar{Q}$ vs $E$ vs $P$

Catchment K1753110
Catchment K1914510

(a) Co-variations of $\dot{Q}$ vs $P$
(b) Co-variations of $\dot{Q}$ vs $E_0$
(c) Co-variations of $\dot{Q}$ vs $E_0$ vs $P$

1-year periods

(d) Co-variations of $\dot{Q}$ vs $P$
(e) Co-variations of $\dot{Q}$ vs $E_0$

Q vs E

5-year periods

(g) Co-variations of $\dot{Q}$ vs $P$
(h) Co-variations of $\dot{Q}$ vs $E_0$

Q vs E

10-year periods

(j) Co-variations of $\dot{Q}$ vs $P$
(k) Co-variations of $\dot{Q}$ vs $E_0$

Q vs E

20-year periods

(l) Co-variations of $\dot{Q}$ vs $P$

Q vs E

P vs E

P vs E

E vs E
Catchment K1954010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $\bar{E}$

(f) Co-variations of $Q$ vs $\bar{E}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $\bar{E}$

(l) Co-variations of $Q$ vs $\bar{E}$ vs $P$

1-year periods

20-year periods

5-year periods

10-year periods

15-year periods

20-year periods
Catchment K2064010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{L}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{L}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{L}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{L}$ vs $\bar{P}$

Legend:
- $\bar{Q}$
- $\bar{P}$
- $\bar{E}$
- $\bar{L}$
- $\bar{O}$
- $\bar{V}$

Periods:
- 1-year periods
- 5-year periods
- 10-year periods
- 20-year periods

Units:
- $\bar{Q}$, $\bar{P}$, $\bar{E}$, $\bar{L}$, $\bar{O}$, $\bar{V}$ in $\text{mm} / \text{y}$
Catchment K2123010

(a) Co-variations of $\bar{Q} vs \bar{P}$
(b) Co-variations of $\bar{Q} vs \bar{Ei}$
(c) Co-variations of $\bar{Q} vs \bar{Ei} vs \bar{P}$

1-year periods

(d) Co-variations of $\bar{Q} vs \bar{P}$
(e) Co-variations of $\bar{Q} vs \bar{Ei}$
(f) Co-variations of $\bar{Q} vs \bar{Ei} vs \bar{P}$

5-year periods

(g) Co-variations of $\bar{Q} vs \bar{P}$
(h) Co-variations of $\bar{Q} vs \bar{Ei}$
(i) Co-variations of $\bar{Q} vs \bar{Ei} vs \bar{P}$

10-year periods

(j) Co-variations of $\bar{Q} vs \bar{P}$
(k) Co-variations of $\bar{Q} vs \bar{Ei}$
(l) Co-variations of $\bar{Q} vs \bar{Ei} vs \bar{P}$

20-year periods
Catchment K2233020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10}$ vs $\bar{E}_{10}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$
Catchment K2834010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{E}$
Catchment K3206010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$
Catchment K3264010
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_1$

(c) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(1-year periods)

(20-year periods)

(5-year periods)

(10-year periods)

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_1$

(i) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_1$

(l) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$
Catchment K4443010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment K5090910

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(f) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(i) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
Catchment K6334010

(a) Co-variations of \( \bar{Q} \) vs \( P \)

(b) Co-variations of \( \bar{Q} \) vs \( E_i \)

(c) Co-variations of \( \bar{Q} \) vs \( E_i \) vs \( P \)

(d) Co-variations of \( \bar{Q} \) vs \( P \)

(e) Co-variations of \( \bar{Q} \) vs \( E_i \)

(f) Co-variations of \( \bar{Q} \) vs \( E_i \) vs \( P \)

(g) Co-variations of \( \bar{Q} \) vs \( P \)

(h) Co-variations of \( \bar{Q} \) vs \( E_i \)

(i) Co-variations of \( \bar{Q} \) vs \( E_i \) vs \( P \)

(j) Co-variations of \( \bar{Q} \) vs \( P \)

(k) Co-variations of \( \bar{Q} \) vs \( E_i \)

(l) Co-variations of \( \bar{Q} \) vs \( E_i \) vs \( P \)
Catchment K7312610

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(f) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(i) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}$ vs $\bar{Ei}$ vs $\bar{P}$
(a) Co-variations of \(Q\) vs \(P\) for 1-year periods

(b) Co-variations of \(Q\) vs \(E_i\) for 1-year periods

(c) Co-variations of \(Q\) vs \(E_i\) vs \(P\) for 1-year periods

(d) Co-variations of \(Q\) vs \(P\) for 5-year periods

(e) Co-variations of \(Q\) vs \(E_i\) for 5-year periods

(f) Co-variations of \(Q\) vs \(E_i\) vs \(P\) for 5-year periods

(g) Co-variations of \(Q\) vs \(P\) for 10-year periods

(h) Co-variations of \(Q\) vs \(E_i\) for 10-year periods

(i) Co-variations of \(Q\) vs \(E_i\) vs \(P\) for 10-year periods

(j) Co-variations of \(Q\) vs \(P\) for 20-year periods

(k) Co-variations of \(Q\) vs \(E_i\) for 20-year periods

(l) Co-variations of \(Q\) vs \(E_i\) vs \(P\) for 20-year periods
Catchment L0314010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
(a) Co-variations of $\bar{Q} \text{ vs } P$

(b) Co-variations of $\bar{Q} \text{ vs } E$

(c) Co-variations of $\bar{Q} \text{ vs } E$ vs $P$

(d) Co-variations of $\bar{Q} \text{ vs } P$

(e) Co-variations of $\bar{Q} \text{ vs } E$

(f) Co-variations of $\bar{Q} \text{ vs } E$ vs $P$

(g) Co-variations of $\bar{Q} \text{ vs } P$

(h) Co-variations of $\bar{Q} \text{ vs } E$

(i) Co-variations of $\bar{Q} \text{ vs } E$ vs $P$

(j) Co-variations of $\bar{Q} \text{ vs } P$

(k) Co-variations of $\bar{Q} \text{ vs } E$

(l) Co-variations of $\bar{Q} \text{ vs } E$ vs $P$
Catchment L4033010

(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E_i$
(c) Co-variations of $Q$ vs $E_i$ vs $P$

1-year periods

(d) Co-variations of $Q$ vs $P$
(e) Co-variations of $Q$ vs $E_i$
(f) Co-variations of $Q$ vs $E_i$ vs $P$

5-year periods

(g) Co-variations of $Q$ vs $P$
(h) Co-variations of $Q$ vs $E_i$
(i) Co-variations of $Q$ vs $E_i$ vs $P$

10-year periods

(j) Co-variations of $Q$ vs $P$
(k) Co-variations of $Q$ vs $E_i$
(l) Co-variations of $Q$ vs $E_i$ vs $P$

20-year periods
Catchment L4220710

(a) Co-variations of $\dot{Q}$ vs $\dot{P}$

(b) Co-variations of $\dot{Q}$ vs $\dot{E}$

(c) Co-variations of $\dot{Q}_{20}$ vs $\dot{E}$ vs $\dot{P}$

(d) Co-variations of $\dot{Q}$ vs $\dot{P}$

(e) Co-variations of $\dot{Q}$ vs $\dot{E}$

(f) Co-variations of $\dot{Q}_{10}$ vs $\dot{E}$ vs $\dot{P}$

(g) Co-variations of $\dot{Q}$ vs $\dot{P}$

(h) Co-variations of $\dot{Q}$ vs $\dot{E}$

(i) Co-variations of $\dot{Q}_{10}$ vs $\dot{E}$ vs $\dot{P}$

(j) Co-variations of $\dot{Q}$ vs $\dot{P}$

(k) Co-variations of $\dot{Q}$ vs $\dot{E}$

(l) Co-variations of $\dot{Q}_{20}$ vs $\dot{E}$ vs $\dot{P}$
Catchment L4321710

- (a) Co-variations of \( Q \) vs \( P \)
- (b) Co-variations of \( Q \) vs \( E_t \)
- (c) Co-variations of \( Q_{SP} - Q_{LT} \)
- (d) Co-variations of \( Q \) vs \( P \)
- (e) Co-variations of \( Q \) vs \( E_t \)
- (f) Co-variations of \( Q_{SP} - Q_{LT} \)
- (g) Co-variations of \( Q \) vs \( P \)
- (h) Co-variations of \( Q \) vs \( E_t \)
- (i) Co-variations of \( Q_{SP} - Q_{LT} \)
- (j) Co-variations of \( Q \) vs \( P \)
- (k) Co-variations of \( Q \) vs \( E_t \)
- (l) Co-variations of \( Q_{SP} - Q_{LT} \)

\begin{align*}
\bar{Q} &\leq Q \leq \bar{P} \\
\bar{Q} &\leq \bar{P} \leq \bar{Q}_{SP} \\
\bar{Q} &\leq \bar{P} \leq \bar{Q}_{LT}
\end{align*}
Catchment L441710

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}_b$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}_b$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}_b$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}_b$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}_b$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}_b$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}_b$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}_b$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment L5034010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

Notes:
- 20-year periods
- 10-year periods
- 1-year periods

[Graphs showing co-variations of $\bar{Q}$ vs $\bar{P}$, $\bar{Q}$ vs $\bar{E}_\text{li}$, and $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$ for different periods (20, 10, 5, 1 years) with dashed lines indicating different values for $\bar{Q}$ and $\bar{E}_\text{li}$]
Catchment L5101810

(a) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(c) Co-variations of $\tilde{Q}$ vs $\tilde{E}_1$ vs $\tilde{P}$

(d) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(f) Co-variations of $\tilde{Q}$ vs $\tilde{E}_1$ vs $\tilde{P}$

(g) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(i) Co-variations of $\tilde{Q}$ vs $\tilde{E}_1$ vs $\tilde{P}$

(j) Co-variations of $\tilde{Q}$ vs $\tilde{P}$

(k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(l) Co-variations of $\tilde{Q}$ vs $\tilde{E}_1$ vs $\tilde{P}$
Catchment L5134010

1-year periods

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E_1$

(c) Co-variations of $Q$ vs $E_1$ vs $P$

5-year periods

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E_1$

(f) Co-variations of $Q$ vs $E_1$ vs $P$

10-year periods

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_1$

(i) Co-variations of $Q$ vs $E_1$ vs $P$

20-year periods

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_1$

(l) Co-variations of $Q$ vs $E_1$ vs $P$
Catchment L5223020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment L6202030

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{yr} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{yr} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{yr} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{yr} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$
Catchment M0050620

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{SP}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

10-year periods

5-year periods

20-year periods

$Q_{10yr} - Q_{LT}$

-400
-200
-60
0
60
200
400

$Q_{20yr} - Q_{LT}$

-400
-200
-60
0
60
200
400
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}_{\text{LT}}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}_{\text{LT}}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}_{\text{LT}}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}_{\text{LT}}$ vs $\bar{E}_0$ vs $\bar{P}$
Catchment M0500610

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$

(c) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$ vs $P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$

(f) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$ vs $P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$

(i) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$ vs $P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$

(l) Co-variations of $\dot{Q}$ vs $E_{\text{a}}$ vs $P$
Catchment M0680610

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $EI$
(c) Co-variations of $\bar{Q}$ vs $EI$ vs $P$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $EI$
(f) Co-variations of $\bar{Q}$ vs $EI$ vs $P$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $EI$
(i) Co-variations of $\bar{Q}$ vs $EI$ vs $P$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $EI$
(l) Co-variations of $\bar{Q}$ vs $EI$ vs $P$

20-year periods
Catchment M1034020

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(m) Co-variations of $\bar{Q}$ vs $\bar{P}$

(n) Co-variations of $\bar{Q}$ vs $\bar{E}$

(o) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_I$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_I$ vs $\bar{P}$

- $Q_{SP} - Q_{LT}$
- $-400$
- $-200$
- $-60$
- $0$
- $60$
- $200$
- $400$

- $Q_{10yr} - Q_{LT}$
- $-400$
- $-200$
- $-60$
- $0$
- $60$
- $200$
- $400$

1-year periods

5-year periods

10-year periods

20-year periods
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$

Catchment M1214010
Catchment M3340910

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$
(c) Co-variations of $\bar{Q}_{5yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$
(f) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$
(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$
(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{E}_0$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

Catchment M3423010
Catchment M3504010

(a) Co-variations of $\Delta Q$ vs $\Delta P$
(b) Co-variations of $\Delta Q$ vs $\Delta E$
(c) Co-variations of $\Delta Q$ vs $\Delta E$ vs $\Delta P$
(d) Co-variations of $\Delta Q$ vs $\Delta P$
(e) Co-variations of $\Delta Q$ vs $\Delta E$
(f) Co-variations of $\Delta Q$ vs $\Delta E$ vs $\Delta P$
(g) Co-variations of $\Delta Q$ vs $\Delta P$
(h) Co-variations of $\Delta Q$ vs $\Delta E$
(i) Co-variations of $\Delta Q$ vs $\Delta E$ vs $\Delta P$
(j) Co-variations of $\Delta Q$ vs $\Delta P$
(k) Co-variations of $\Delta Q$ vs $\Delta E$
(l) Co-variations of $\Delta Q$ vs $\Delta E$ vs $\Delta P$

1-year periods

5-year periods

10-year periods

20-year periods
20-year periods

10-year periods

5-year periods

1-year periods

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E0$

(c) Co-variations of $Q$ vs $E0$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E0$

(f) Co-variations of $Q$ vs $E0$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E0$

(i) Co-variations of $Q$ vs $E0$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E0$

(l) Co-variations of $Q$ vs $E0$ vs $P$

Catchment M5222010
Catchment M6333020

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$
Catchment M7453010

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_l$
(c) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_l$

(f) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_l$

(i) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_l$

(l) Co-variations of $\bar{Q}$ vs $E_l$ vs $P$
Catchment N0113010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

Catchment N3024010
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

Catchment O0015310
Co-variations of $Q$ vs $P$

(a) Co-variations of $Q$ vs $P$

1-year periods

(b) Co-variations of $Q$ vs $E_i$

5-year periods

(c) Co-variations of $Q$ vs $E_i$ vs $P$

10-year periods

(d) Co-variations of $Q$ vs $P$

20-year periods

(e) Co-variations of $Q$ vs $E_i$

(f) Co-variations of $Q$ vs $E_i$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_i$

(i) Co-variations of $Q$ vs $E_i$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_i$

(l) Co-variations of $Q$ vs $E_i$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

Catchment O0126210
Catchment O0384010

(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E$
(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$
(e) Co-variations of $Q$ vs $E$
(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$
(h) Co-variations of $Q$ vs $E$
(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$
(k) Co-variations of $Q$ vs $E$
(l) Co-variations of $Q$ vs $E$ vs $P
Catchment O0502520

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_T$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_T$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_T$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_T$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$

5-year periods

10-year periods

20-year periods
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment O0592510

30-year periods

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $EI$

(c) Co-variations of $Q$ vs $EI$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $EI$

(f) Co-variations of $Q$ vs $EI$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $EI$

(i) Co-variations of $Q$ vs $EI$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $EI$

(l) Co-variations of $Q$ vs $EI$ vs $P$

$Q_{yr} - Q_{LT}$

-400

-200

-60

0

60

200

400
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{5y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{5y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y} - Q_{LT}$ vs $\bar{E}$ vs $\bar{P}$
Catchment O1432930

(a) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(b) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)

(c) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)

(d) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(e) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)

(f) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)

(g) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(h) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)

(i) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)

(j) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(k) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)

(l) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)

\[ Q \] vs \( E \):

- 400
- 200
- 100
- 0
- 60
- 200
- 400

\[ LT \] vs \( Q \):

- 400
- 200
- 100
- 0
- 60
- 200
- 400

\[ P \] vs \( Q \):

- 400
- 200
- 100
- 0
- 60
- 200
- 400
Co-variations of $Q$ vs $P$

1-year periods

- $Q_{1yr} - Q_{LT}$
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400

5-year periods

- $Q_{5yr} - Q_{LT}$
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400

10-year periods

- $Q_{10yr} - Q_{LT}$
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400

20-year periods

- $Q_{20yr} - Q_{LT}$
  - 400
  - 200
  - 60
  - 0
  - 60
  - 200
  - 400

Catchment O1442910
Catchment O1634010

(a) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(b) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(c) Co-variations of $\bar{Q}_{20} \text{ vs } \bar{E}_0 \text{ vs } \bar{P}$

- $\bar{Q}_{20} - \bar{Q}_{LT}:
  - -400
  - -200
  - -60
  - 0
  - 60
  - 200
  - 400

(d) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(e) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(f) Co-variations of $\bar{Q}_{10} \text{ vs } \bar{E}_0 \text{ vs } \bar{P}$

(g) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(h) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(i) Co-variations of $\bar{Q}_{10} \text{ vs } \bar{E}_0 \text{ vs } \bar{P}$

(j) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(k) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(l) Co-variations of $\bar{Q}_{20} \text{ vs } \bar{E}_0 \text{ vs } \bar{P}$

- $\bar{Q}_{20} - \bar{Q}_{LT}:
  - -400
  - -200
  - -60
  - 0
  - 60
  - 200
  - 400

- 5-year periods
- 10-year periods
- 15-year periods
- 20-year periods
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$

20-year periods

10-year periods

5-year periods

1-year periods

Catchment O2725010
Catchment O3011010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$ vs $P$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$ vs $P$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$ vs $P$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$ vs $P$

(l) Co-variations of $Q$ vs $E$ vs $P$
Catchment O3035210

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods

$Q_{yr} - Q_{LT}$
-400 -200 -60 0 60 200 400

$E_{yr} - E_{LT}$
-400 -200 -60 0 60 200 400

$P_{yr} - P_{LT}$
-400 -200 -60 0 60 200 400

$Q_{yr} - Q_{LT}$
-400 -200 -60 0 60 200 400
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

Catchment O3064010
Catchment O3084320

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $E$

(c) Co-variations of $\dot{Q} - Q_{LT}$ vs $E$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $E$

(f) Co-variations of $\dot{Q} - Q_{LT}$ vs $E$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $E$

(i) Co-variations of $\dot{Q} - Q_{LT}$ vs $E$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $E$

(l) Co-variations of $\dot{Q} - Q_{LT}$ vs $E$

"10-year periods"

"5-year periods"

"1-year periods"

"20-year periods"
Catchment O3165010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$

Legend:
-400
-200
-60
0
60
200
400
Catchment O3194010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_L$

(c) Co-variations of $\bar{Q}_S$ vs $\bar{Q}_{LT}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_L$

(f) Co-variations of $\bar{Q}_S$ vs $\bar{Q}_{LT}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_L$

(i) Co-variations of $\bar{Q}_S$ vs $\bar{Q}_{LT}$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_L$

(l) Co-variations of $\bar{Q}_S$ vs $\bar{Q}_{LT}$ vs $\bar{P}$
(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $E\ddot{\theta}$

(c) Co-variations of $Q_{20} - Q_{LT}$ vs $E\ddot{\theta}$ vs $P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $E\ddot{\theta}$

(f) Co-variations of $Q_{20} - Q_{LT}$ vs $E\ddot{\theta}$ vs $P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $E\ddot{\theta}$

(i) Co-variations of $Q_{10} - Q_{LT}$ vs $E\ddot{\theta}$ vs $P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $E\ddot{\theta}$

(l) Co-variations of $Q_{20} - Q_{LT}$ vs $E\ddot{\theta}$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_T$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$

(d) Co-variations of $P$ vs $\bar{Q}$

(e) Co-variations of $E_T$ vs $\bar{Q}$

(f) Co-variations of $E_T$ vs $\bar{P}$

(g) Co-variations of $P$ vs $\bar{Q}$

(h) Co-variations of $E_T$ vs $\bar{Q}$

(i) Co-variations of $E_T$ vs $\bar{P}$

(j) Co-variations of $P$ vs $\bar{Q}$

(k) Co-variations of $E_T$ vs $\bar{Q}$

(l) Co-variations of $E_T$ vs $\bar{P}$

Catchment O4704030

1-year periods

5-year periods

10-year periods

20-year periods
Catchment O5042510

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{li}$ vs $\bar{P}$
(a) Co-variations of $\overline{Q}$ vs $\overline{P}$

(b) Co-variations of $\overline{Q}$ vs $\overline{E_1}$

(c) Co-variations of $\overline{Q}$ vs $\overline{E_1}$ vs $\overline{P}$

(d) Co-variations of $\overline{Q}$ vs $\overline{P}$

(e) Co-variations of $\overline{Q}$ vs $\overline{E_1}$

(f) Co-variations of $\overline{Q}$ vs $\overline{E_1}$ vs $\overline{P}$

(g) Co-variations of $\overline{Q}$ vs $\overline{P}$

(h) Co-variations of $\overline{Q}$ vs $\overline{E_1}$

(i) Co-variations of $\overline{Q}$ vs $\overline{E_1}$ vs $\overline{P}$

(j) Co-variations of $\overline{Q}$ vs $\overline{P}$

(k) Co-variations of $\overline{Q}$ vs $\overline{E_1}$

(l) Co-variations of $\overline{Q}$ vs $\overline{E_1}$ vs $\overline{P}$
Catchment O5284310

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$
Catchment O5424010

(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E$
(c) Co-variations of $Q$ vs $E$ vs $P$
(d) Co-variations of $Q$ vs $P$
(e) Co-variations of $Q$ vs $E$
(f) Co-variations of $Q$ vs $E$ vs $P$
(g) Co-variations of $Q$ vs $P$
(h) Co-variations of $Q$ vs $E$
(i) Co-variations of $Q$ vs $E$ vs $P$
(j) Co-variations of $Q$ vs $P$
(k) Co-variations of $Q$ vs $E$
(l) Co-variations of $Q$ vs $E$ vs $P
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

Catchment O5464310
(a) Co-variations of $\bar{Q} vs \bar{P}$

(b) Co-variations of $\bar{Q} vs \bar{E}$

(c) Co-variations of $\bar{Q} vs \bar{E} \bar{P}$

(d) Co-variations of $\bar{Q} vs \bar{P}$

(e) Co-variations of $\bar{Q} vs \bar{E}$

(f) Co-variations of $\bar{Q} vs \bar{E} \bar{P}$

(g) Co-variations of $\bar{Q} vs \bar{P}$

(h) Co-variations of $\bar{Q} vs \bar{E}$

(i) Co-variations of $\bar{Q} vs \bar{E} \bar{P}$

(j) Co-variations of $\bar{Q} vs \bar{P}$

(k) Co-variations of $\bar{Q} vs \bar{E}$

(l) Co-variations of $\bar{Q} vs \bar{E} \bar{P}$
Co-variations of $Q$ vs $P$

Co-variations of $Q$ vs $E$

Co-variations of $Q$ vs $F$

Co-variations of $Q$ vs $E$

Co-variations of $Q$ vs $P$

Co-variations of $Q$ vs $F$

Co-variations of $Q$ vs $P$

Co-variations of $Q$ vs $F$

Co-variations of $Q$ vs $P$

Co-variations of $Q$ vs $F$
Catchment O7015810

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment O7085010

(a) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(b) Co-variations of $\bar{Q} \text{ vs } \bar{E}$

(c) Co-variations of $\bar{Q} \text{ vs } \bar{E} \text{ vs } \bar{P}$

(d) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(e) Co-variations of $\bar{Q} \text{ vs } \bar{E}$

(f) Co-variations of $\bar{Q} \text{ vs } \bar{E} \text{ vs } \bar{P}$

(g) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(h) Co-variations of $\bar{Q} \text{ vs } \bar{E}$

(i) Co-variations of $\bar{Q} \text{ vs } \bar{E} \text{ vs } \bar{P}$

(j) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(k) Co-variations of $\bar{Q} \text{ vs } \bar{E}$

(l) Co-variations of $\bar{Q} \text{ vs } \bar{E} \text{ vs } \bar{P}$

(20-year periods)

(10-year periods)

(5-year periods)

(1-year periods)
Catchment O7101510

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_{10}$

(c) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_{10}$

(f) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_{10}$

(i) Co-variations of $\bar{Q}_{10}$ vs $\bar{E}_{10}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_{10}$

(l) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$

20-year periods

(m) Co-variations of $\bar{Q}$ vs $\bar{P}$

(n) Co-variations of $\bar{Q}$ vs $\bar{E}_{10}$

(o) Co-variations of $\bar{Q}_{20}$ vs $\bar{E}_{10}$ vs $\bar{P}$
Catchment O7265010

- (a) Co-variations of $\bar{Q}$ vs $\bar{P}$
- (b) Co-variations of $\bar{Q}$ vs $\bar{E}_T$
- (c) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$
- (d) Co-variations of $\bar{Q}$ vs $\bar{P}$
- (e) Co-variations of $\bar{Q}$ vs $\bar{E}_T$
- (f) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$
- (g) Co-variations of $\bar{Q}$ vs $\bar{P}$
- (h) Co-variations of $\bar{Q}$ vs $\bar{E}_T$
- (i) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$
- (j) Co-variations of $\bar{Q}$ vs $\bar{P}$
- (k) Co-variations of $\bar{Q}$ vs $\bar{E}_T$
- (l) Co-variations of $\bar{Q}$ vs $\bar{E}_T$ vs $\bar{P}$
Catchment O7874010

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_i$
(c) Co-variations of $\bar{Q}$ vs $E_{i}$ vs $P$
(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_i$
(f) Co-variations of $\bar{Q}$ vs $E_{i}$ vs $P$
(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_i$
(i) Co-variations of $\bar{Q}$ vs $E_{i}$ vs $P$
(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_i$
(l) Co-variations of $\bar{Q}$ vs $E_{i}$ vs $P$
Catchment O8255010

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_{\lambda}$
(c) Co-variations of $\bar{Q}$ vs $E_{\lambda}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_{\lambda}$
(f) Co-variations of $\bar{Q}$ vs $E_{\lambda}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_{\lambda}$
(i) Co-variations of $\bar{Q}$ vs $E_{\lambda}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_{\lambda}$
(l) Co-variations of $\bar{Q}$ vs $E_{\lambda}$ vs $P$

1-year periods
5-year periods
10-year periods
20-year periods
Catchment P0010010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{LT}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_\text{LT}$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

Catchment P0115010
Catchment P0115020

(a) Co-variations of \( \bar{Q} \) vs \( P \)

(b) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(c) Co-variations of \( \bar{Q} \) vs \( E_0 \) vs \( P \)

(d) Co-variations of \( \bar{Q} \) vs \( P \)

(e) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(f) Co-variations of \( \bar{Q} \) vs \( E_0 \) vs \( P \)

(g) Co-variations of \( \bar{Q} \) vs \( P \)

(h) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(i) Co-variations of \( \bar{Q} \) vs \( E_0 \) vs \( P \)

(j) Co-variations of \( \bar{Q} \) vs \( P \)

(k) Co-variations of \( \bar{Q} \) vs \( E_0 \)

(l) Co-variations of \( \bar{Q} \) vs \( E_0 \) vs \( P \)
Catchment P0212510

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y} - \bar{Q}_{LT}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$
Catchment P0924010

(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

1-year periods

20-year periods

5-year periods

10-year periods

(i) Co-variations of $Q$ vs $P$

(j) Co-variations of $Q$ vs $E$

(k) Co-variations of $Q$ vs $E$ vs $P$

(l) Co-variations of $Q$ vs $E$ vs $P$
Catchment P1154010

(a) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(b) Co-variations of \( \bar{Q} \) vs \( \bar{E}_t \)

(c) Co-variations of \( \bar{Q}_{10} \) vs \( \bar{E}_t \) vs \( \bar{P} \)

(d) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(e) Co-variations of \( \bar{Q} \) vs \( \bar{E}_t \)

(f) Co-variations of \( \bar{Q}_{10} \) vs \( \bar{E}_t \) vs \( \bar{P} \)

(g) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(h) Co-variations of \( \bar{Q} \) vs \( \bar{E}_t \)

(i) Co-variations of \( \bar{Q}_{10} \) vs \( \bar{E}_t \) vs \( \bar{P} \)

(j) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)

(k) Co-variations of \( \bar{Q} \) vs \( \bar{E}_t \)

(l) Co-variations of \( \bar{Q}_{20} \) vs \( \bar{E}_t \) vs \( \bar{P} \)
Catchment P1772910

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$
Catchment P2484010

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $E$

(c) Co-variations of $\dot{Q}$ vs $E_1$ vs $P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $E$

(f) Co-variations of $\dot{Q}$ vs $E_1$ vs $P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $E$

(i) Co-variations of $\dot{Q}$ vs $E_1$ vs $P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $E$

(l) Co-variations of $\dot{Q}$ vs $E_1$ vs $P$
Catchment P3021010

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $E_{lf}$

(c) Co-variations of $\dot{Q}_{sp}$ vs $E_{lf}$ vs $P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $E_{lf}$

(f) Co-variations of $\dot{Q}_{sp}$ vs $E_{lf}$ vs $P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $E_{lf}$

(i) Co-variations of $\dot{Q}_{sp}$ vs $E_{lf}$ vs $P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $E_{lf}$

(l) Co-variations of $\dot{Q}_{sp}$ vs $E_{lf}$ vs $P$
Catchment P3234010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} - \bar{P}$
Catchment P3245010

(a) Co-variations of \(Q\) vs \(P\)

(b) Co-variations of \(Q\) vs \(Ei\)

(c) Co-variations of \(Q_{20yr} - Q_{LT}\) vs \(Ei\) vs \(P\)

(d) Co-variations of \(Q\) vs \(P\)

(e) Co-variations of \(Q\) vs \(Ei\)

(f) Co-variations of \(Q_{10yr} - Q_{LT}\) vs \(Ei\) vs \(P\)

(g) Co-variations of \(Q\) vs \(P\)

(h) Co-variations of \(Q\) vs \(Ei\)

(i) Co-variations of \(Q_{5yr} - Q_{LT}\) vs \(Ei\) vs \(P\)

(j) Co-variations of \(Q\) vs \(P\)

(k) Co-variations of \(Q\) vs \(Ei\)

(l) Co-variations of \(Q_{1yr} - Q_{LT}\) vs \(Ei\) vs \(P\)
Catchment P3352510

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$  
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$  
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$  
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$  
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$  
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$  
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$  
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$  
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\overline{P}$

(b) Co-variations of $\bar{Q}$ vs $\overline{E_0}$

(c) Co-variations of $\bar{Q}$ vs $\overline{E_0}$ vs $\overline{P}$

(d) Co-variations of $\bar{Q}$ vs $\overline{P}$

(e) Co-variations of $\bar{Q}$ vs $\overline{E_0}$

(f) Co-variations of $\bar{Q}$ vs $\overline{E_0}$ vs $\overline{P}$

(g) Co-variations of $\bar{Q}$ vs $\overline{P}$

(h) Co-variations of $\bar{Q}$ vs $\overline{E_0}$

(i) Co-variations of $\bar{Q}$ vs $\overline{E_0}$ vs $\overline{P}$

(j) Co-variations of $\bar{Q}$ vs $\overline{P}$

(k) Co-variations of $\bar{Q}$ vs $\overline{E_0}$

(l) Co-variations of $\bar{Q}$ vs $\overline{E_0}$ vs $\overline{P}$
Catchment P4015010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

10-year periods

5-year periods

1-year periods
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_{10}$

(c) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_{10}$

(f) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_{10}$

(i) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_{10}$

(l) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

Catchment P4271010
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$:

(c) Co-variations of $Q$ vs $E$ vs $P$:

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$:

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$:

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P$:
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment P6134010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_l$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_l$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_l$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_l$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $\bar{P}$
(a) Co-variations of $\dot{Q}$ vs $P$
(b) Co-variations of $\dot{Q}$ vs $E_l$
(c) Co-variations of $\dot{Q}$ vs $E_l$ vs $P$
(d) Co-variations of $\dot{Q}$ vs $P$
(e) Co-variations of $\dot{Q}$ vs $E_l$
(f) Co-variations of $\dot{Q}$ vs $E_l$ vs $P$
(g) Co-variations of $\dot{Q}$ vs $P$
(h) Co-variations of $\dot{Q}$ vs $E_l$
(i) Co-variations of $\dot{Q}$ vs $E_l$ vs $P$
(j) Co-variations of $\dot{Q}$ vs $P$
(k) Co-variations of $\dot{Q}$ vs $E_l$
(l) Co-variations of $\dot{Q}$ vs $E_l$ vs $P$
Catchment P8215010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(c) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{Ei} - \bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(f) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{Ei} - \bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(i) Co-variations of $\bar{Q}_{10P} - \bar{Q}_{LT}$ vs $\bar{Ei} - \bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{Ei}$

(l) Co-variations of $\bar{Q}_{20P} - \bar{Q}_{LT}$ vs $\bar{Ei} - \bar{P}$
Catchment P8312520

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_P - \bar{Q}_{LT}$
Catchment Q1094010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment Q1100010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment Q2593310

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_0$
(c) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_0$
(f) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_0$
(i) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_0$
(l) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$
Catchment Q3120010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment Q3464010

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<th>Co-variations of $Q$ vs $E$</th>
<th>Co-variations of $Q$ vs $E$ vs $P$</th>
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<tr>
<td>1-year</td>
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Catchment Q7322510

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E_0}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
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(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E_0}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$
Catchment Q8345910

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{P}$
Catchment Q9164610

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_i$ vs $\bar{P}$
Catchment S2224610

(a) Co-variations of $\tilde{Q}$ vs $P$

(b) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(c) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $P$

(d) Co-variations of $\tilde{Q}$ vs $P$

(e) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(f) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $P$

(g) Co-variations of $\tilde{Q}$ vs $P$

(h) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(i) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $P$

(j) Co-variations of $\tilde{Q}$ vs $P$

(k) Co-variations of $\tilde{Q}$ vs $\tilde{E}$

(l) Co-variations of $\tilde{Q}$ vs $\tilde{E}$ vs $P$
Catchment S2235610

(a) Co-variations of $\bar{Q}$ vs $P$
(b) Co-variations of $\bar{Q}$ vs $E_t$
(c) Co-variations of $\bar{Q}$ vs $E_t$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$
(e) Co-variations of $\bar{Q}$ vs $E_t$
(f) Co-variations of $\bar{Q}$ vs $E_t$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$
(h) Co-variations of $\bar{Q}$ vs $E_t$
(i) Co-variations of $\bar{Q}$ vs $E_t$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$
(k) Co-variations of $\bar{Q}$ vs $E_t$
(l) Co-variations of $\bar{Q}$ vs $E_t$ vs $P$
20-year periods

10-year periods

5-year periods

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
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(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

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**Catchment U0474010**
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{10y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{10y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

Catchment U0924010
Catchment U0924020

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_1$

(c) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_1$

(f) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_1$

(i) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_1$

(l) Co-variations of $\bar{Q}$ vs $E_1$ vs $P$
Catchment U1054010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $Q$ vs $E$
(h) Co-variations of $Q$ vs $E$
(i) Co-variations of $Q$ vs $E$

(j) Co-variations of $Q$ vs $E$
(k) Co-variations of $Q$ vs $E$
(l) Co-variations of $Q$ vs $E$
Catchment U1074010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

20-year periods

5-year periods

10-year periods

20-year periods
Catchment U1084010

10-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment U1224020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

Catchment U1235020
Catchment U1420010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{B}_0$
(c) Co-variations of $\bar{Q}_{20}$ vs $\bar{B}_0$ vs $\bar{P}$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{B}_0$

10-year periods

(f) Co-variations of $\bar{Q}$ vs $\bar{B}_0$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{B}_0$

10-year periods

(i) Co-variations of $\bar{Q}$ vs $\bar{B}_0$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{B}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{B}_0$ vs $\bar{P}$
Catchment U2022010

- (a) Co-variations of $Q$ vs $P$
- (b) Co-variations of $Q$ vs $E$
- (c) Co-variations of $Q$ vs $E$ vs $P$
- (d) Co-variations of $Q$ vs $P$
- (e) Co-variations of $Q$ vs $E$
- (f) Co-variations of $Q$ vs $E$ vs $P$
- (g) Co-variations of $Q$ vs $P$
- (h) Co-variations of $Q$ vs $E$
- (i) Co-variations of $Q$ vs $E$ vs $P$
- (j) Co-variations of $Q$ vs $P$
- (k) Co-variations of $Q$ vs $E$
- (l) Co-variations of $Q$ vs $E$ vs $P
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

Catchment U2122010
Catchment U2142010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment U2222010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E$

(c) Co-variations of $\bar{Q}$ vs $E$ vs $P$

Q_{SP} - Q_{LT}:
- -400
- -200
- -60
- 0
- 60
- 200
- 400

200 yr LT

Q_{SP} - Q_{LT}:
- -400
- -200
- -60
- 0
- 60
- 200
- 400

5-year periods

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E$

(f) Co-variations of $\bar{Q}$ vs $E$ vs $P$

300 yr LT

Q_{SP} - Q_{LT}:
- -400
- -200
- -60
- 0
- 60
- 200
- 400

10-year periods

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E$

(i) Co-variations of $\bar{Q}$ vs $E$ vs $P$

200 yr LT

Q_{SP} - Q_{LT}:
- -400
- -200
- -60
- 0
- 60
- 200
- 400

20-year periods

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E$

(l) Co-variations of $\bar{Q}$ vs $E$ vs $P$
Catchment U2305210

- (a) Co-variations of $Q$ vs $P$
- (b) Co-variations of $Q$ vs $E_0$
- (c) Co-variations of $Q$ vs $E_0$ vs $P$

- (d) Co-variations of $Q$ vs $P$
- (e) Co-variations of $Q$ vs $E_0$
- (f) Co-variations of $Q$ vs $E_0$ vs $P$

- (g) Co-variations of $Q$ vs $P$
- (h) Co-variations of $Q$ vs $E_0$
- (i) Co-variations of $Q$ vs $E_0$ vs $P$

- (j) Co-variations of $Q$ vs $P$
- (k) Co-variations of $Q$ vs $E_0$
- (l) Co-variations of $Q$ vs $E_0$ vs $P$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment U2345020

1-year periods

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

Symbols:

- $\bar{Q}$: Mean flow rate
- $P$: Precipitation
- $E_i$: Evapotranspiration

Legend:

- $Q_{20y} - Q_{LT}$
  - -400
  - -200
  - -60
  - 0
  - 60
  - 200
  - 400

Note: The graphs illustrate the co-variations of flow rate $\bar{Q}$ with precipitation $P$ and evapotranspiration $E_i$ for different time periods (1, 5, 10, and 20 years) and their interactions with $P$. The data are represented using various symbols and colors to indicate different time lags and values.
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$
Catchment U2542010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{LT}$ vs $\bar{P}$
Catchment U2615820

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

Co-variations of $\bar{Q}$ vs $\bar{P}$ vs $\bar{E}$ for different time periods: 1-year, 5-year, 10-year, and 20-year periods.
20-year periods

Q vs P

5-year periods

Q vs E

10-year periods

Q vs P

20-year periods

Q vs E

Catchment U2615830

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $P$
Catchment U2616410

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20\text{yr}} - Q_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{5\text{yr}} - Q_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10\text{yr}} - Q_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20\text{yr}} - Q_{LT}$ vs $\bar{P}$
Catchment U3225010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment U3424010

(a) Co-variations of $\dot{Q}$ vs $P$

(b) Co-variations of $\dot{Q}$ vs $\dot{E}_0$

(c) Co-variations of $Q_{\text{SP}} - Q_{\text{LT}}$ vs $P$

(d) Co-variations of $\dot{Q}$ vs $P$

(e) Co-variations of $\dot{Q}$ vs $\dot{E}_0$

(f) Co-variations of $Q_{\text{SP}} - Q_{\text{LT}}$ vs $P$

(g) Co-variations of $\dot{Q}$ vs $P$

(h) Co-variations of $\dot{Q}$ vs $\dot{E}_0$

(i) Co-variations of $Q_{\text{SP}} - Q_{\text{LT}}$ vs $P$

(j) Co-variations of $\dot{Q}$ vs $P$

(k) Co-variations of $\dot{Q}$ vs $\dot{E}_0$

(l) Co-variations of $Q_{\text{SP}} - Q_{\text{LT}}$ vs $P$

1-year periods

5-year periods

10-year periods

20-year periods
Catchment U4505010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_1$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_1$ vs $\bar{P}$
Catchment U4624010

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(c) Co-variations of $\bar{Q}_{5y} - \bar{Q}_{LT}$ vs $\bar{E}_i$ vs $\bar{P}$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(f) Co-variations of $\bar{Q}_{5y} - \bar{Q}_{LT}$ vs $\bar{E}_i$ vs $\bar{P}$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(i) Co-variations of $\bar{Q}_{10y} - \bar{Q}_{LT}$ vs $\bar{E}_i$ vs $\bar{P}$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_i$

(l) Co-variations of $\bar{Q}_{20y} - \bar{Q}_{LT}$ vs $\bar{E}_i$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(c) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E_0} - \bar{E_1}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(f) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E_0} - \bar{E_1}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(i) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E_0} - \bar{E_1}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(l) Co-variations of $\bar{Q}_{SP} - \bar{Q}_{LT}$ vs $\bar{E_0} - \bar{E_1}$ vs $\bar{P}$

Catchment V0205010
Catchment V0245610

(a) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(b) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(c) Co-variations of $\bar{Q}_\text{20y} - \bar{Q}_{LT}$

(d) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(e) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(f) Co-variations of $\bar{Q}_\text{10y} - \bar{Q}_{LT}$

(g) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(h) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(i) Co-variations of $\bar{Q}_\text{5y} - \bar{Q}_{LT}$

(j) Co-variations of $\bar{Q} \text{ vs } \bar{P}$

(k) Co-variations of $\bar{Q} \text{ vs } \bar{E}_0$

(l) Co-variations of $\bar{Q}_\text{1y} - \bar{Q}_{LT}$

Notes:
- $\bar{Q}$: Standardized discharge
- $\bar{P}$: Standardized precipitation
- $\bar{E}_0$: Standardized evaporation
- $\bar{Q}_\text{LT}$: Long-term average discharge
- $\bar{Q}_\text{20y}$: 20-year average discharge
- $\bar{Q}_\text{10y}$: 10-year average discharge
- $\bar{Q}_\text{5y}$: 5-year average discharge
- $\bar{Q}_\text{1y}$: 1-year average discharge

Legend:
- Red: $\bar{Q}_\text{20y} - \bar{Q}_{LT}$
- Blue: $\bar{Q}_\text{10y} - \bar{Q}_{LT}$
- Orange: $\bar{Q}_\text{5y} - \bar{Q}_{LT}$
- Green: $\bar{Q}_\text{1y} - \bar{Q}_{LT}$

Graphs show the relationship between standardized discharge ($\bar{Q}$) and standardized precipitation ($\bar{P}$), standardized evaporation ($\bar{E}_0$), and standardized long-term average discharge ($\bar{Q}_{LT}$) for different time periods (1-year, 5-year, 10-year, 20-year) using different color codes for each period.
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E_i$

(c) Co-variations of $Q$ vs $E_i$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E_i$

(f) Co-variations of $Q$ vs $E_i$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E_i$

(i) Co-variations of $Q$ vs $E_i$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E_i$

(l) Co-variations of $Q$ vs $E_i$ vs $P$
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}_{SP}$ vs $\bar{E}_{LT}$
(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}_{SP}$ vs $\bar{E}_{LT}$
(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}_{SP}$ vs $\bar{E}_{LT}$
(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}_{SP}$ vs $\bar{E}_{LT}$

20-year periods
10-year periods
5-year periods
1-year periods

Catchment V1214010
20-year periods

10-year periods

5-year periods

1-year periods

(\text{a}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{P}

(\text{b}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i}

(\text{c}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i} \text{ vs } \bar{P}

(\text{d}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{P}

(\text{e}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i}

(\text{f}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i} \text{ vs } \bar{P}

(\text{g}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{P}

(\text{h}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i}

(\text{i}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i} \text{ vs } \bar{P}

(\text{j}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{P}

(\text{k}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i}

(\text{l}) \text{ Co-variations of } \bar{Q} \text{ vs } \bar{E_i} \text{ vs } \bar{P}
Catchment V1414010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$
Catchment V1425010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{v}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{v}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{v}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{v}$ vs $\bar{P}$
1-year periods

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_0$

(c) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

5-year periods

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_0$

(f) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

10-year periods

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_0$

(i) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$

20-year periods

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_0$

(l) Co-variations of $\bar{Q}$ vs $E_{10}$ vs $P$
(a) Co-variations of $Q$ vs $P$

(b) Co-variations of $Q$ vs $E$

(c) Co-variations of $Q$ vs $E$ vs $P$

(d) Co-variations of $Q$ vs $P$

(e) Co-variations of $Q$ vs $E$

(f) Co-variations of $Q$ vs $E$ vs $P$

(g) Co-variations of $Q$ vs $P$

(h) Co-variations of $Q$ vs $E$

(i) Co-variations of $Q$ vs $E$ vs $P$

(j) Co-variations of $Q$ vs $P$

(k) Co-variations of $Q$ vs $E$

(l) Co-variations of $Q$ vs $E$ vs $P
(a) Co-variations of $Q$ vs $P$
(b) Co-variations of $Q$ vs $E$
(c) Co-variations of $Q$ vs $E$ vs $P$

1-year periods

20-year periods

10-year periods

5-year periods

(h) Co-variations of $Q$ vs $P$
(i) Co-variations of $Q$ vs $E$
(j) Co-variations of $Q$ vs $E$ vs $P$

(k) Co-variations of $Q$ vs $E$
(l) Co-variations of $Q$ vs $E$ vs $P$

(m) Co-variations of $Q$ vs $E$
(n) Co-variations of $Q$ vs $E$ vs $P$

Catchment V2024010
20-year periods

10-year periods

5-year periods

1-year periods

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20} - \bar{Q}_{LT}$ vs $\bar{E0}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20} - \bar{Q}_{LT}$ vs $\bar{E0}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10} - \bar{Q}_{LT}$ vs $\bar{E0}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20/5} - \bar{Q}_{LT}$ vs $\bar{E0}$ vs $\bar{P}$

Catchment V2202010
Catchment V4214010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment V4414010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E$

(c) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E$

(f) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E$

(i) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E$

(l) Co-variations of $\bar{Q}_{SP} - Q_{LT}$ vs $P$
Catchment V6052010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

1-year periods

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

5-year periods

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

10-year periods

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}_0$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}_0$ vs $\bar{P}$

20-year periods

- $Q_{\bar{x}P} - Q_{\bar{LT}}$
- $-400$
- $-200$
- $-60$
- $0$
- $60$
- $200$
- $400$
(a) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)
(b) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)
(c) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)
(d) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)
(e) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)
(f) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)
(g) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)
(h) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)
(i) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)
(j) Co-variations of \( \bar{Q} \) vs \( \bar{P} \)
(k) Co-variations of \( \bar{Q} \) vs \( \bar{E} \)
(l) Co-variations of \( \bar{Q} \) vs \( \bar{E} \) vs \( \bar{P} \)
Catchment W2222010

(a) Co-variations of \( \dot{Q} \) vs \( P \)

(b) Co-variations of \( \dot{Q} \) vs \( E_i \)

(c) Co-variations of \( \dot{Q} \) vs \( E_i \) vs \( P \)

(d) Co-variations of \( \dot{Q} \) vs \( P \)

(e) Co-variations of \( \dot{Q} \) vs \( E_i \)

(f) Co-variations of \( \dot{Q} \) vs \( E_i \) vs \( P \)

(g) Co-variations of \( \dot{Q} \) vs \( P \)

(h) Co-variations of \( \dot{Q} \) vs \( E_i \)

(i) Co-variations of \( \dot{Q} \) vs \( E_i \) vs \( P \)

(j) Co-variations of \( \dot{Q} \) vs \( P \)

(k) Co-variations of \( \dot{Q} \) vs \( E_i \)

(l) Co-variations of \( \dot{Q} \) vs \( E_i \) vs \( P \)
Catchment W2335210

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

20-year periods

10-year periods

5-year periods

1-year periods
Catchment W2405010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{P}$

(c) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{E}$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{E}$

(f) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{E}$

(i) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{E}$

(l) Co-variations of $Q_{5y} - Q_{LT}$ vs $\bar{P}$
Catchment X1034020

- **(a) Co-variations of $\bar{Q}$ vs $\bar{P}$**
- **(b) Co-variations of $\bar{Q}$ vs $\bar{E}$**
- **(c) Co-variations of $\bar{Q}_5$ vs $\bar{E}_5$ vs $\bar{P}$**
- **(d) Co-variations of $\bar{Q}$ vs $\bar{P}$**
- **(e) Co-variations of $\bar{Q}$ vs $\bar{E}$**
- **(f) Co-variations of $\bar{Q}_5$ vs $\bar{E}_5$ vs $\bar{P}$**
- **(g) Co-variations of $\bar{Q}$ vs $\bar{P}$**
- **(h) Co-variations of $\bar{Q}$ vs $\bar{E}$**
- **(i) Co-variations of $\bar{Q}_5$ vs $\bar{E}_5$ vs $\bar{P}$**
- **(j) Co-variations of $\bar{Q}$ vs $\bar{P}$**
- **(k) Co-variations of $\bar{Q}$ vs $\bar{E}$**
- **(l) Co-variations of $\bar{Q}_5$ vs $\bar{E}_5$ vs $\bar{P}$**

- **1-year periods**
- **5-year periods**
- **10-year periods**
- **20-year periods**

Q vs P vs E plots for different periods.
Catchment X1225010

1-year periods

(a) Co-variations of \( Q \) vs \( P \)

(b) Co-variations of \( Q \) vs \( E_l \)

(c) Co-variations of \( Q \) vs \( E_l \) vs \( P \)

10-year periods

(d) Co-variations of \( Q \) vs \( P \)

(e) Co-variations of \( Q \) vs \( E_l \)

(f) Co-variations of \( Q \) vs \( E_l \) vs \( P \)

5-year periods

(g) Co-variations of \( Q \) vs \( P \)

(h) Co-variations of \( Q \) vs \( E_l \)

(i) Co-variations of \( Q \) vs \( E_l \) vs \( P \)

10-year periods

(j) Co-variations of \( Q \) vs \( P \)

(k) Co-variations of \( Q \) vs \( E_l \)

(l) Co-variations of \( Q \) vs \( E_l \) vs \( P \)
Catchment Y0325010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{L}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{L}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{L}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q}$ vs $\bar{E} \bar{L}$ vs $\bar{P}$
Catchment Y1225010

(a) Co-variations of \( Q \) vs \( P \)  
(b) Co-variations of \( \bar{Q} \) vs \( E_0 \)  
(c) Co-variations of \( Q_{20yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(d) Co-variations of \( Q \) vs \( P \)  
(e) Co-variations of \( \bar{Q} \) vs \( E_0 \)  
(f) Co-variations of \( Q_{20yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(g) Co-variations of \( Q \) vs \( P \)  
(h) Co-variations of \( \bar{Q} \) vs \( E_0 \)  
(i) Co-variations of \( Q_{10yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

(j) Co-variations of \( Q \) vs \( P \)  
(k) Co-variations of \( \bar{Q} \) vs \( E_0 \)  
(l) Co-variations of \( Q_{5yr} - Q_{LT} \) vs \( E_0 \) vs \( P \)

Catchment Y1225010

1-year periods

5-year periods

10-year periods

20-year periods
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(1-year periods)

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(5-year periods)

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(10-year periods)

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(20-year periods)
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $E_i$

(c) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $E_i$

(f) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $E_i$

(i) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $E_i$

(l) Co-variations of $\bar{Q}$ vs $E_i$ vs $P$

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**Catchment Y4214010**

- **1-year periods**
- **5-year periods**
- **10-year periods**
- **20-year periods**

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**Graphs**

- $Q_{20yr} - Q_{LT}$
- $-400$
- $-200$
- $-60$
- $0$
- $60$
- $200$
- $400$

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**Equations**

$Q_{20yr} - Q_{LT}$

$-400$

$-200$

$-60$

$0$

$60$

$200$

$400$
(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $P$
Catchment Y4624010
(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{5yr}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{5yr}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10yr}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20yr}$ vs $\bar{E}$ vs $\bar{P}$

Catchment Y5032010
Catchment Y5105010

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E_0}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E_0}$ vs $\bar{P}$
Catchment Y5215020

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}$ vs $\bar{E}$ vs $\bar{P}$
Catchment Y5505410

(a) Co-variations of $\bar{Q}$ vs $\bar{P}$
(b) Co-variations of $\bar{Q}$ vs $\bar{E}$
(c) Co-variations of $\bar{Q} - Q_{LT}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $\bar{P}$
(e) Co-variations of $\bar{Q}$ vs $\bar{E}$
(f) Co-variations of $\bar{Q} - Q_{LT}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $\bar{P}$
(h) Co-variations of $\bar{Q}$ vs $\bar{E}$
(i) Co-variations of $\bar{Q} - Q_{LT}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $\bar{P}$
(k) Co-variations of $\bar{Q}$ vs $\bar{E}$
(l) Co-variations of $\bar{Q} - Q_{LT}$ vs $\bar{P}$
Catchment Y6432010

(a) Co-variations of $\bar{Q}$ vs $P$

(b) Co-variations of $\bar{Q}$ vs $\bar{E}$

(c) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{1yr}$ vs $\bar{E}$ vs $\bar{P}$

(d) Co-variations of $\bar{Q}$ vs $P$

(e) Co-variations of $\bar{Q}$ vs $\bar{E}$

(f) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{1yr}$ vs $\bar{E}$ vs $\bar{P}$

(g) Co-variations of $\bar{Q}$ vs $P$

(h) Co-variations of $\bar{Q}$ vs $\bar{E}$

(i) Co-variations of $\bar{Q}_{10yr} - \bar{Q}_{1yr}$ vs $\bar{E}$ vs $\bar{P}$

(j) Co-variations of $\bar{Q}$ vs $P$

(k) Co-variations of $\bar{Q}$ vs $\bar{E}$

(l) Co-variations of $\bar{Q}_{20yr} - \bar{Q}_{1yr}$ vs $\bar{E}$ vs $\bar{P}$