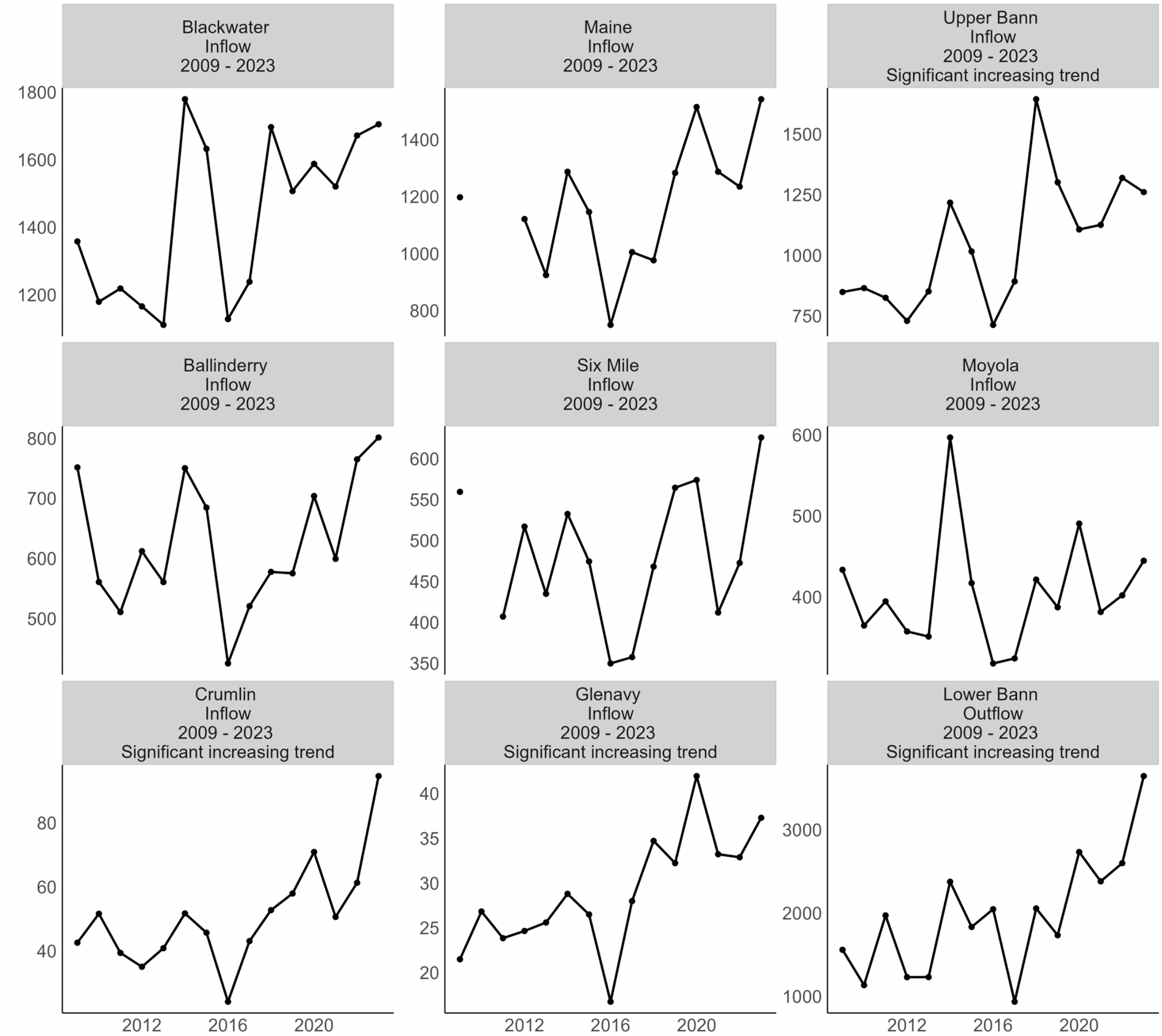
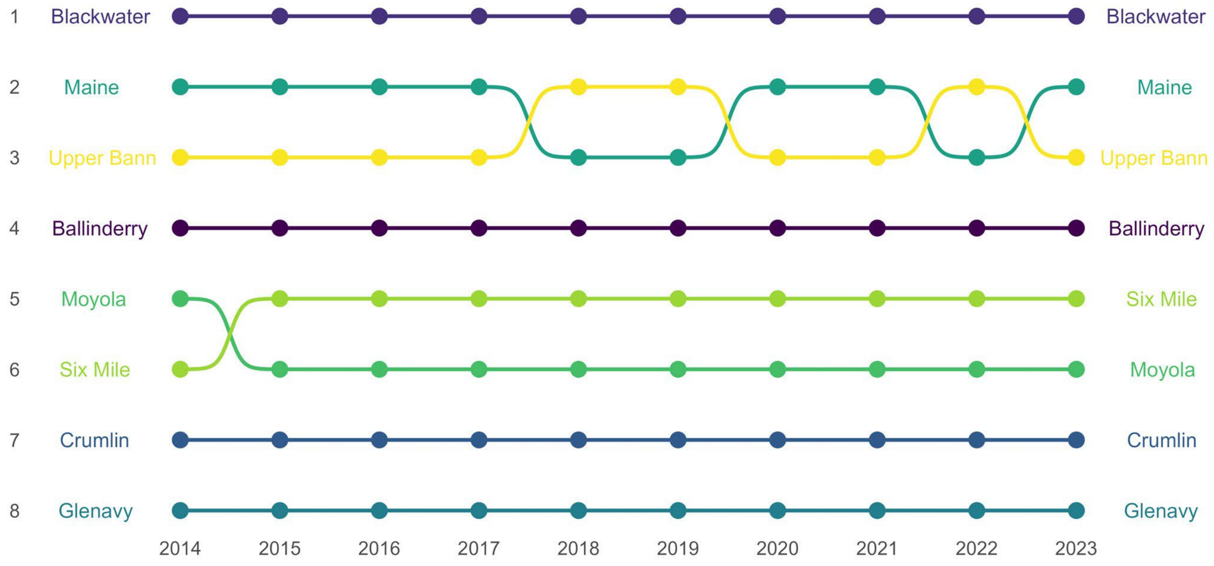
Dissolved Inorganic Nitrogen annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.
The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 1705.4 T, to the river which contributed the least, Glenavy 37.3 T, in 2023.
The Mann-Kendall test detected 4 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Dissolved Inorganic Nitrogen annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.

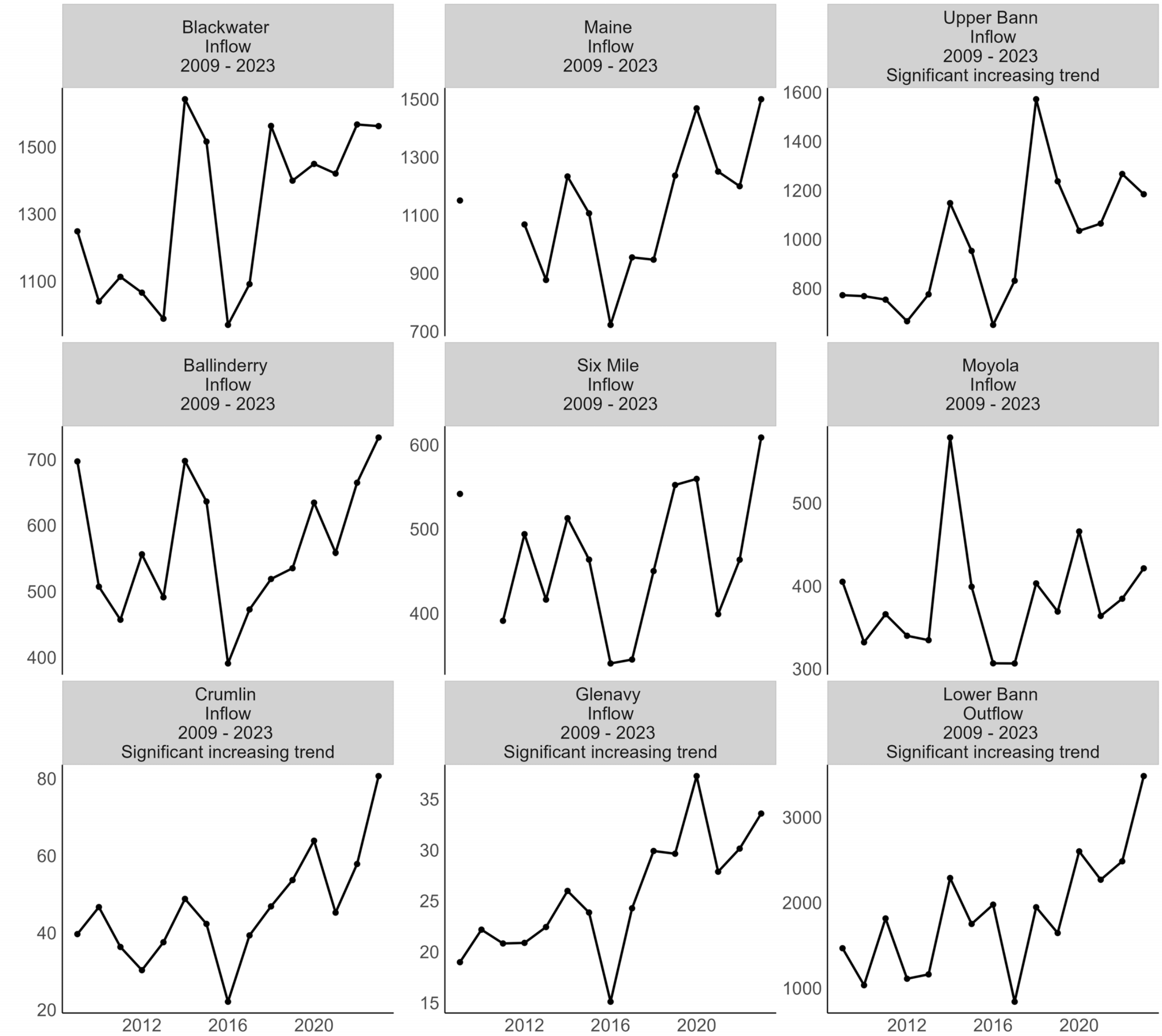


Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

Total Oxidisable Nitrogen annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.

The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 1561.6 T, to the river which contributed the least, Glenavy 33.6 T, in 2023.

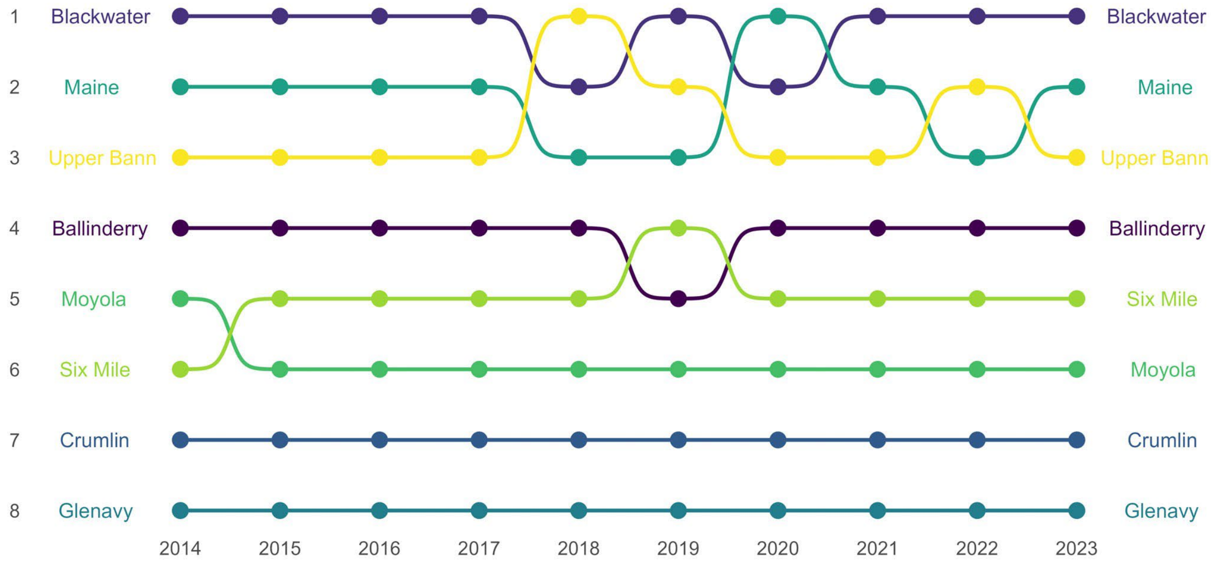
The Mann-Kendall test detected 4 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007). Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

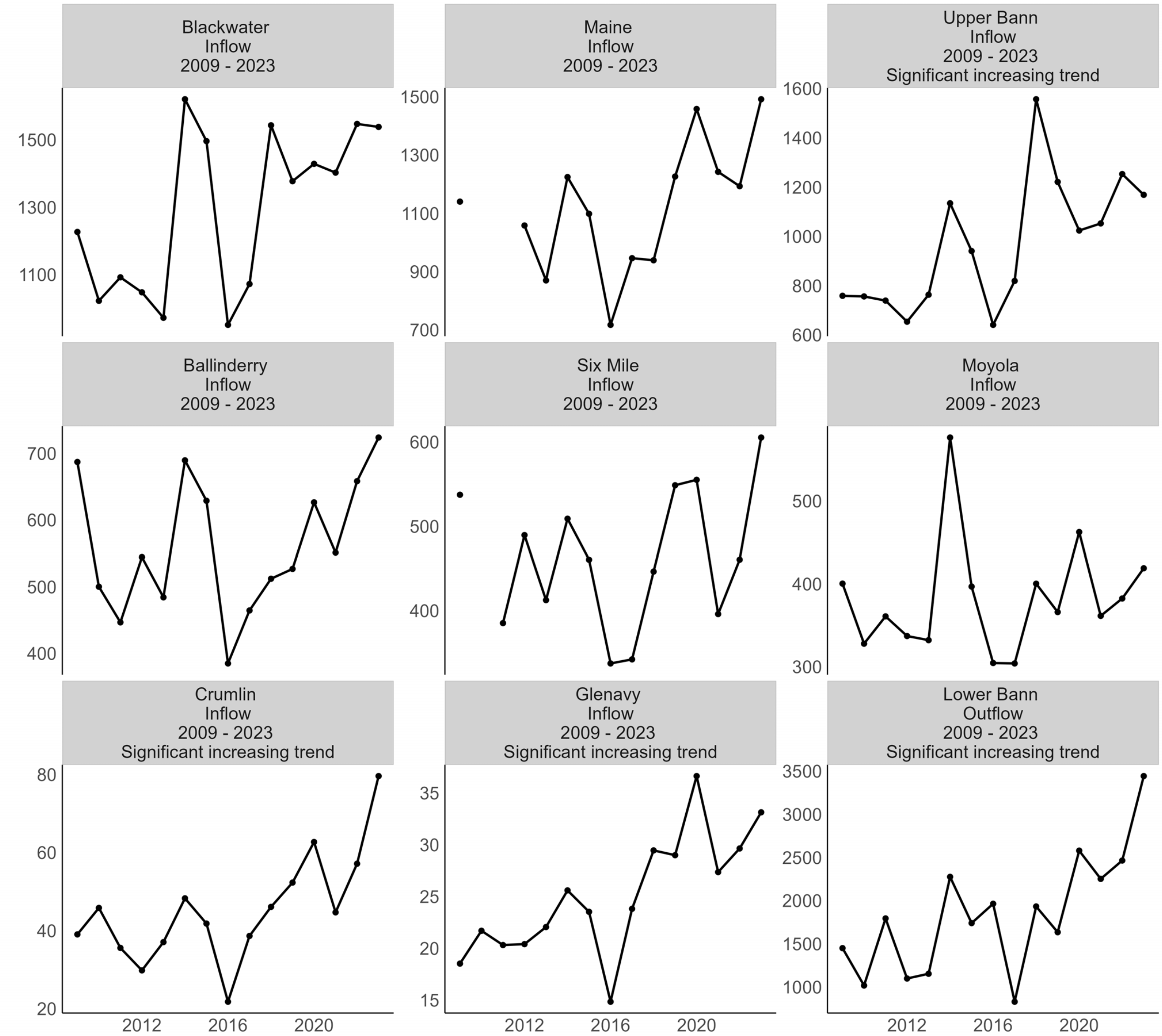
Lough Neagh inflow rivers ranked contribution to Total Oxidisable Nitrogen annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

Nitrate annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.

The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 1538.1 T, to the river which contributed the least, Glenavy 33.1 T, in 2023.
The Mann-Kendall test detected 4 instances of significant monotonic trend.

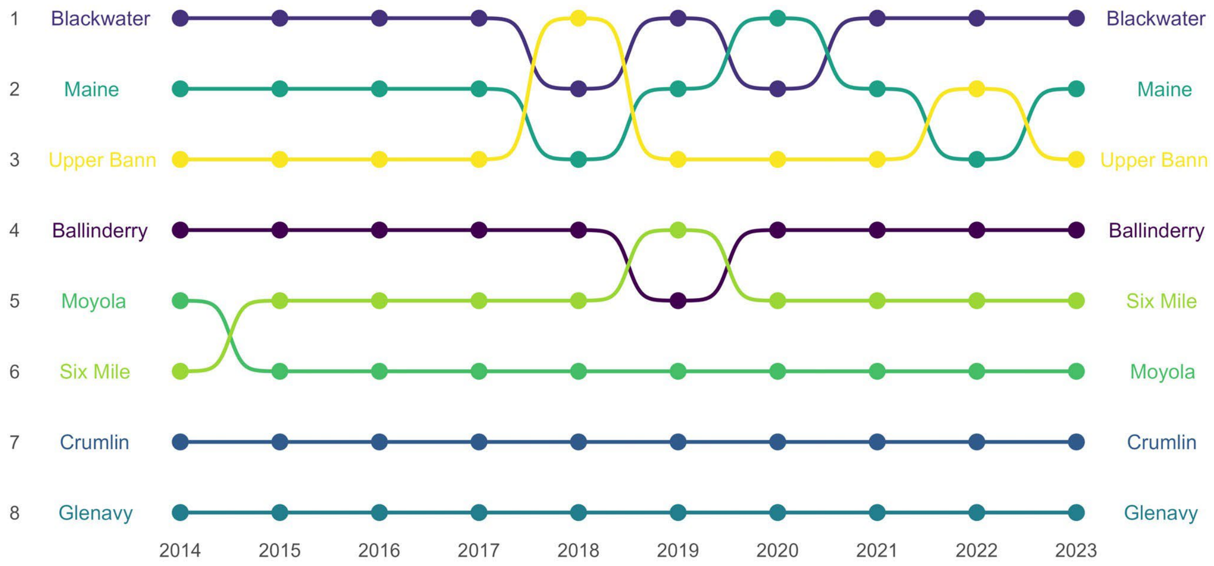


Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

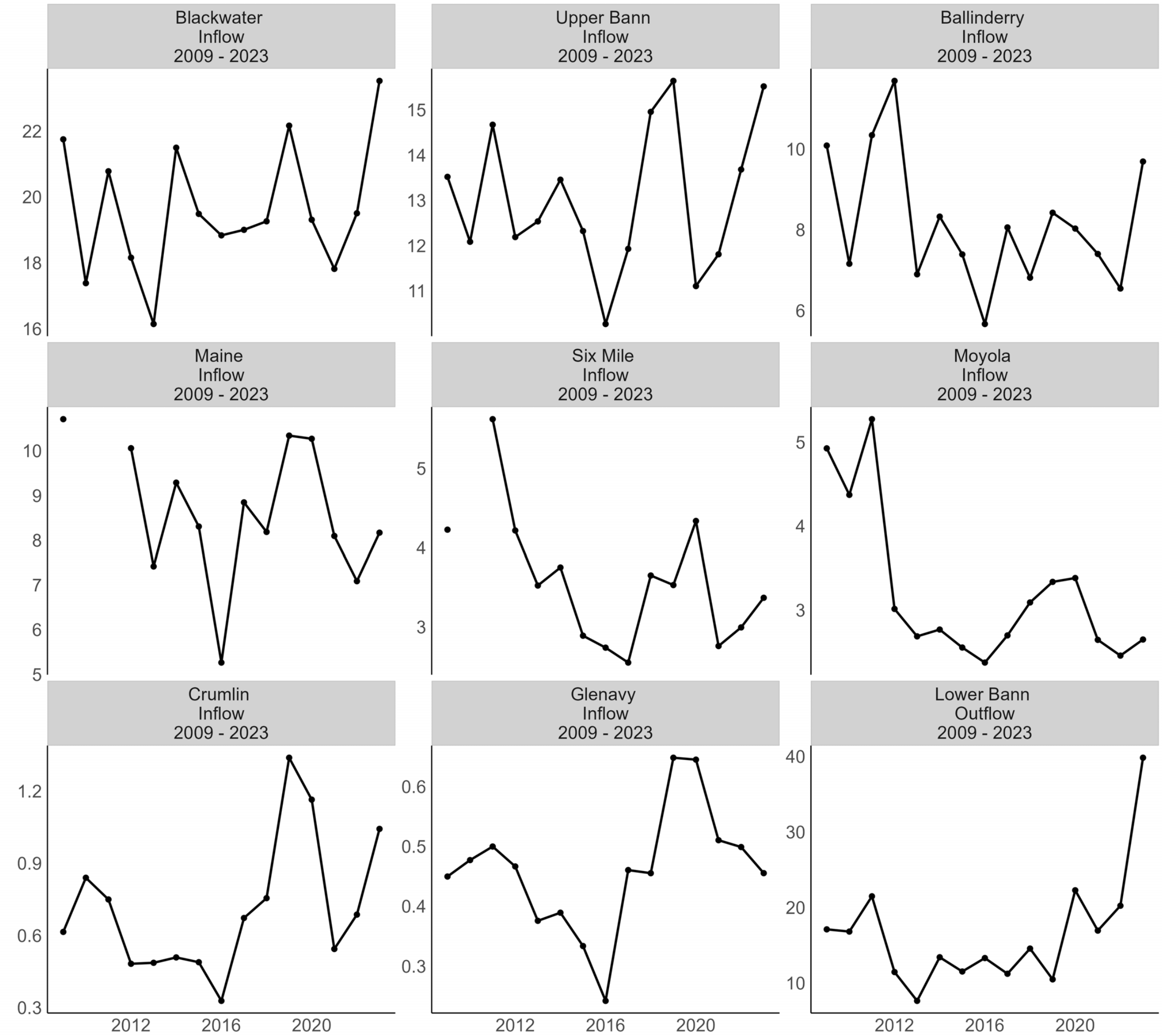
Lough Neagh inflow rivers ranked contribution to Nitrate annual loading.

Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

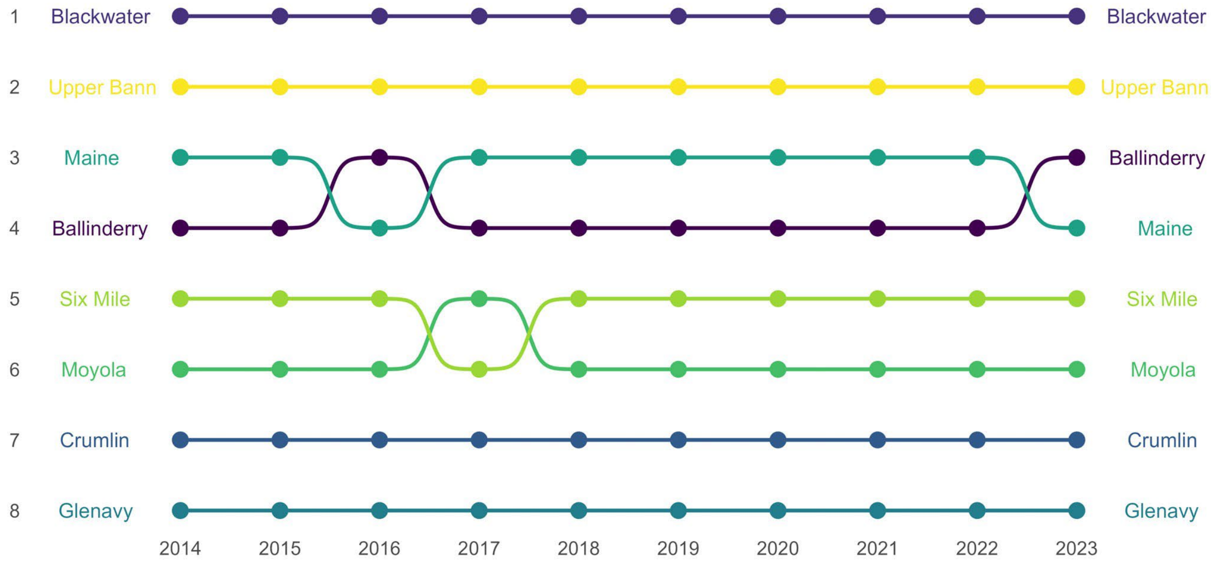
Nitrite annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.
The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 23.5 T, to the river which contributed the least, Glenavy 0.5 T, in 2023.
The Mann-Kendall test detected 0 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

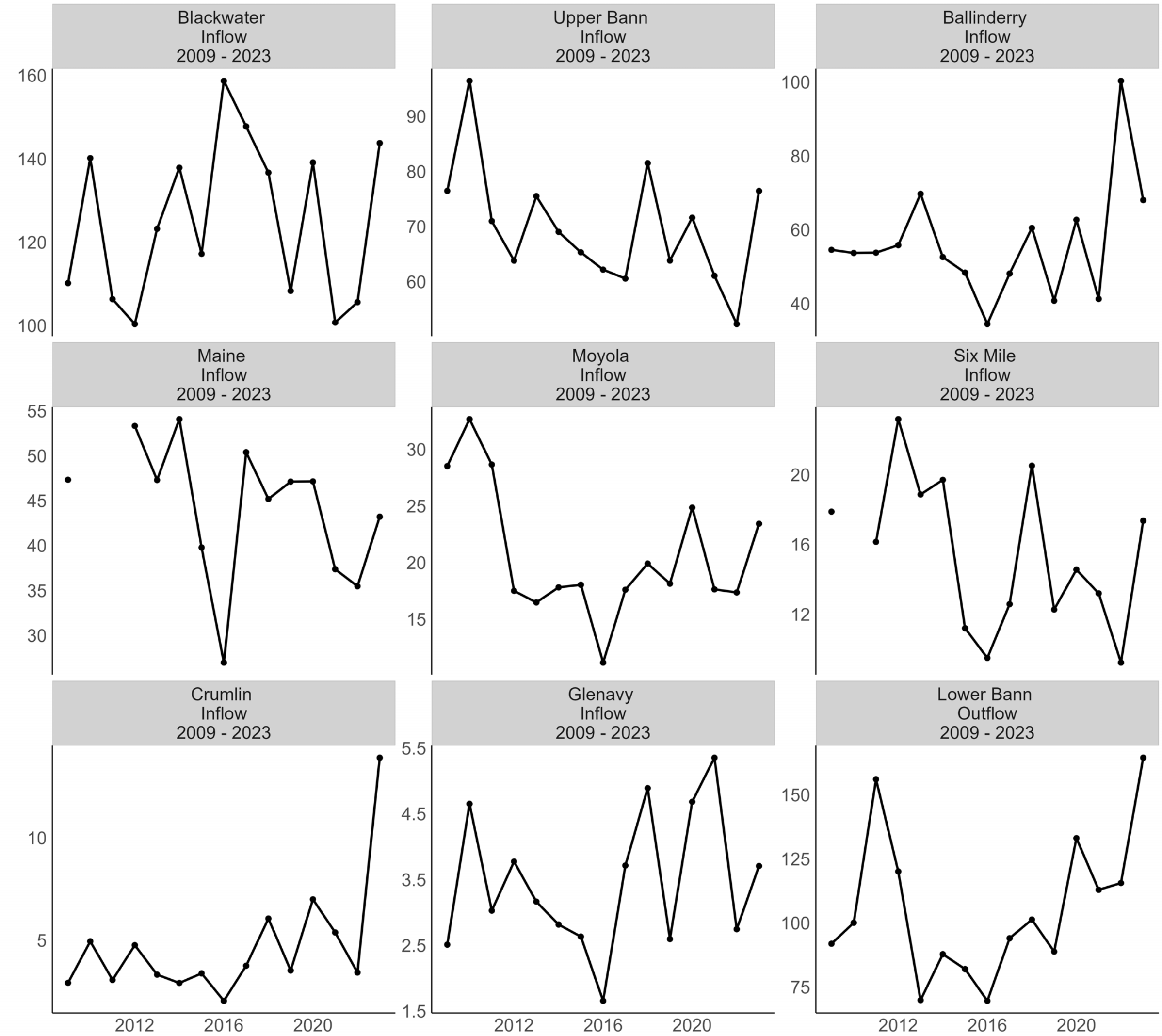
The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007). Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Nitrite annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

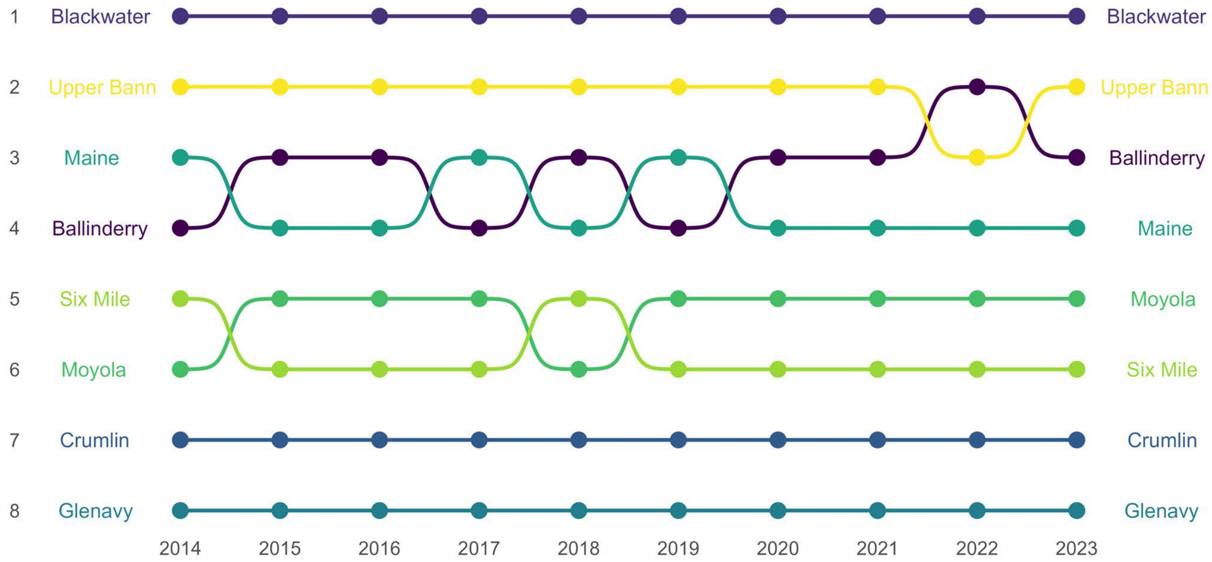
Ammonia annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.
The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 143.8 T, to the river which contributed the least, Glenavy 3.7 T, in 2023.
The Mann-Kendall test detected 0 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Ammonia annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.

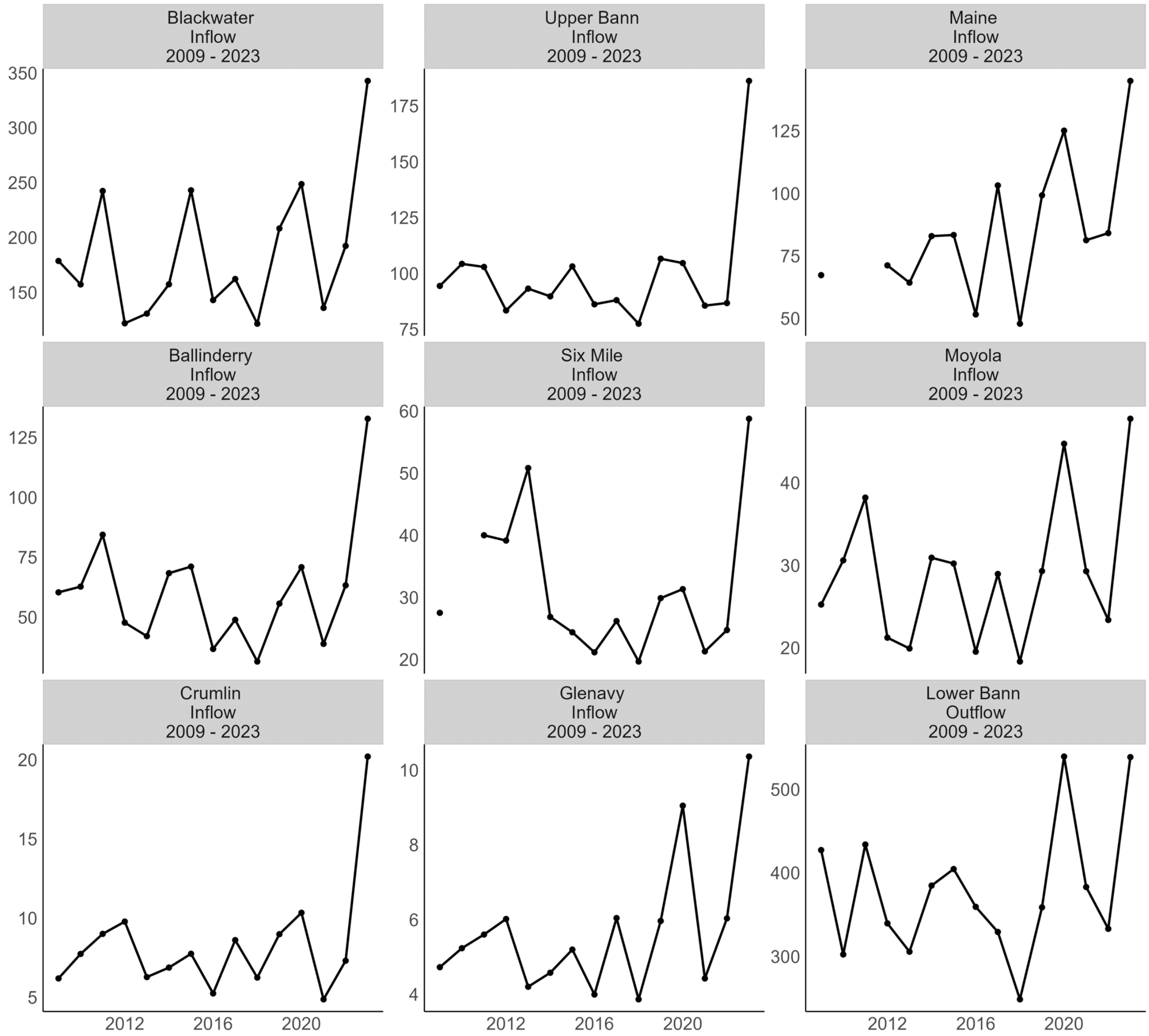


Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

Total Phosphorus annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.

The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 342.7 T, to the river which contributed the least, Glenavy 10.4 T, in 2023.

The Mann-Kendall test detected 0 instances of significant monotonic trend.

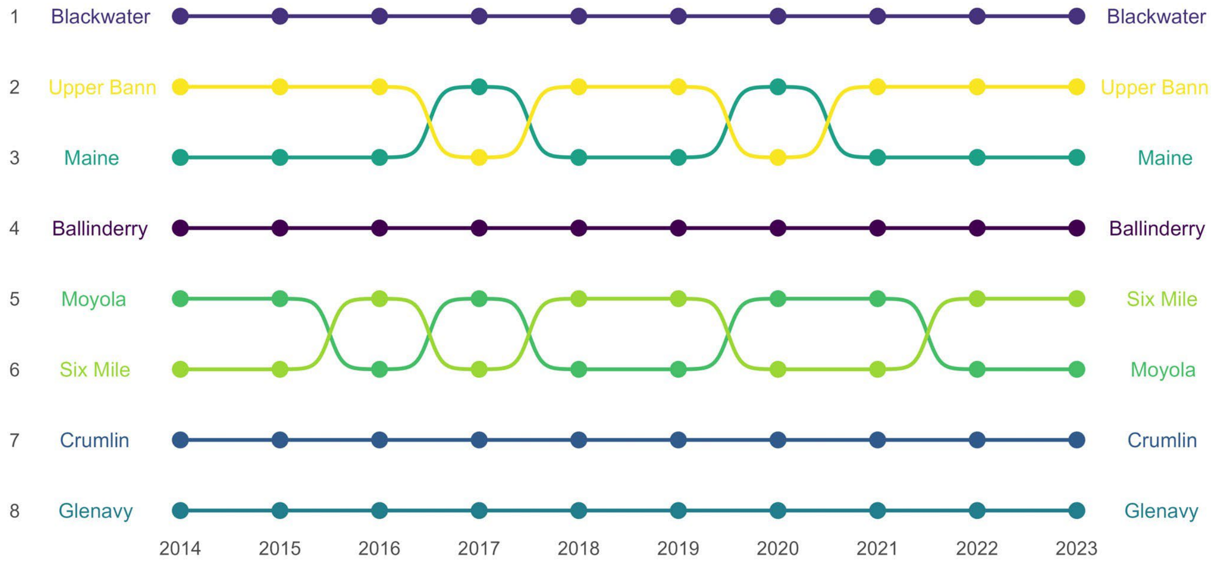


Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).

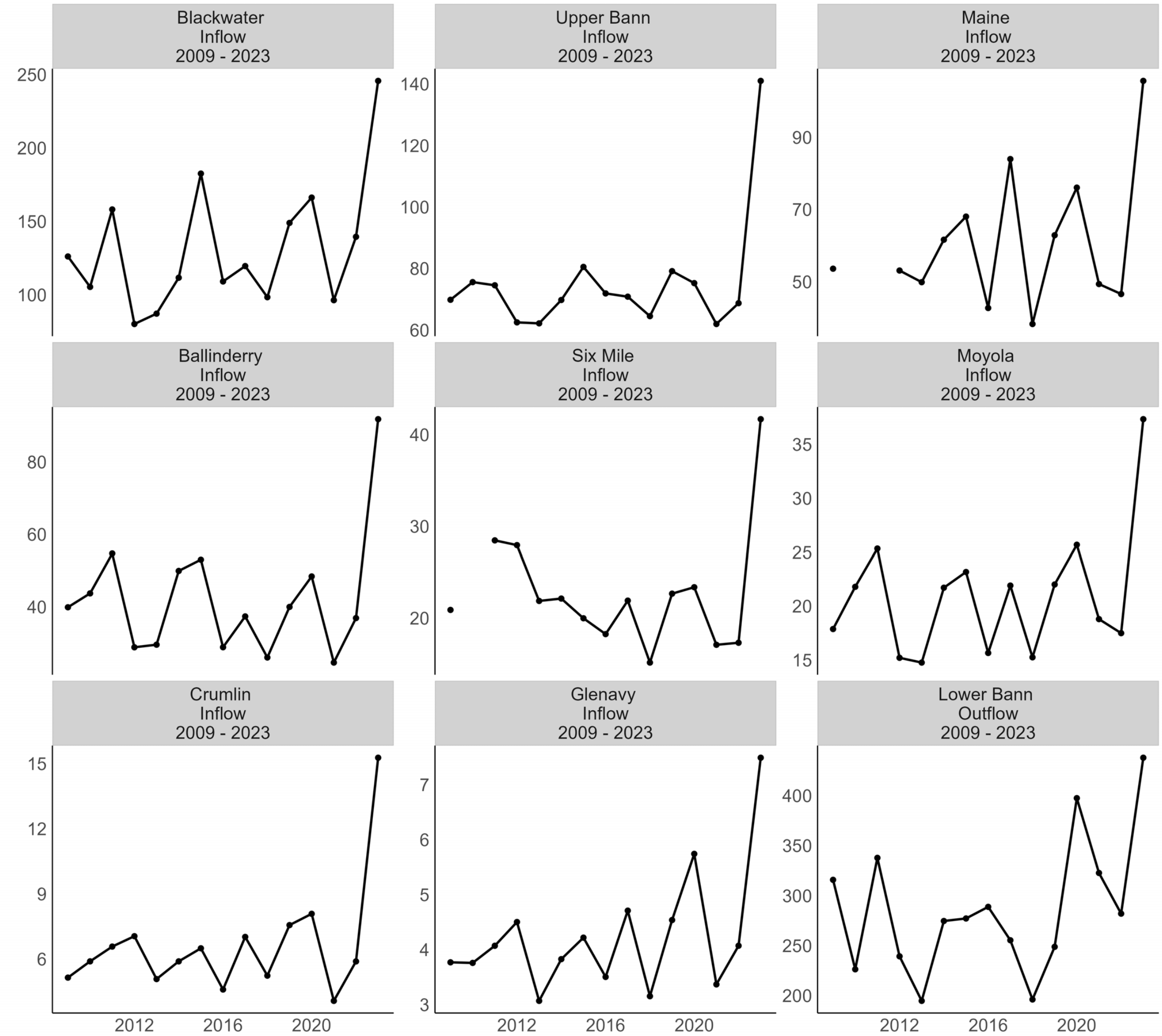
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Total Phosphorus annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

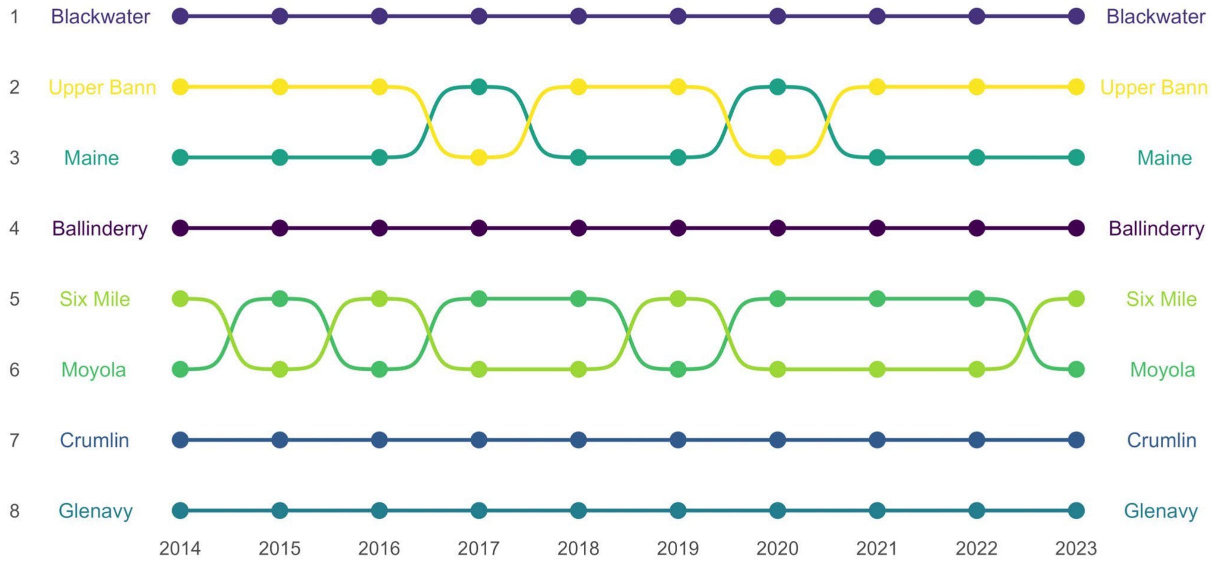
Total Soluble Phosphorus annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.
The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 245.7 T, to the river which contributed the least, Glenavy 7.5 T, in 2023.
The Mann-Kendall test detected 0 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

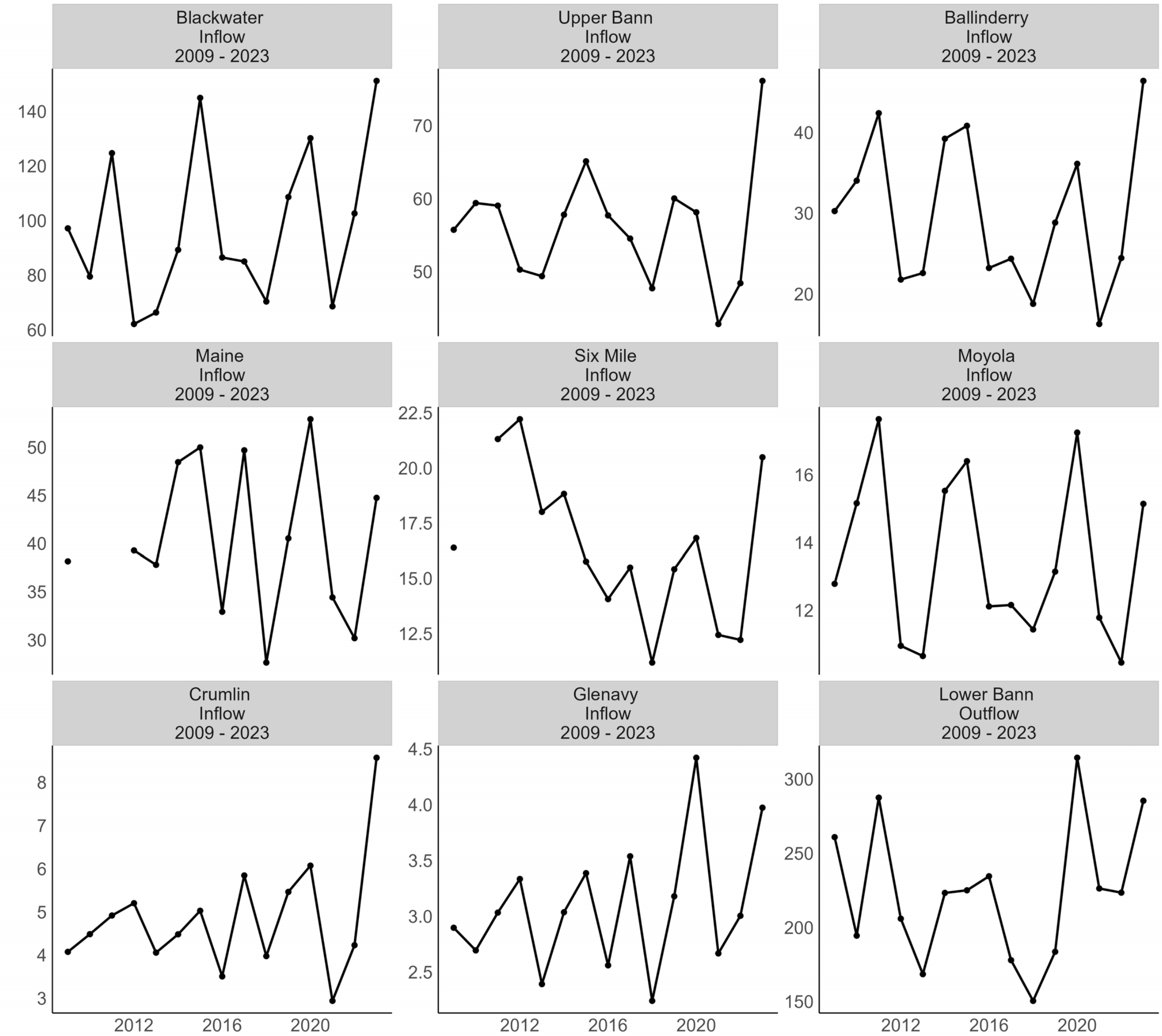
The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Total Soluble Phosphorus annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

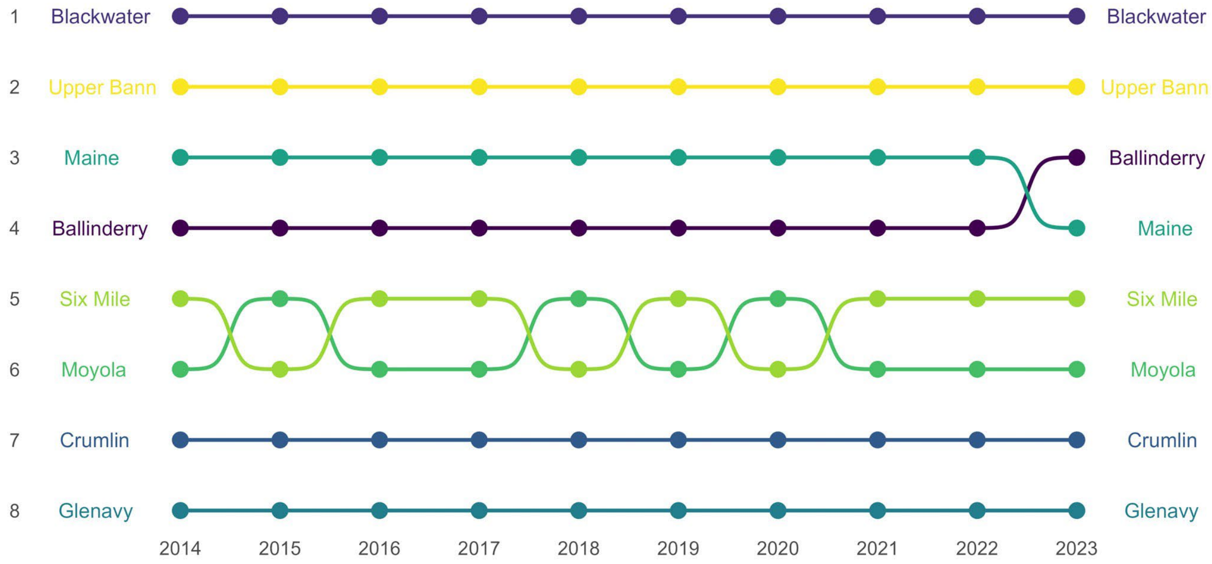
Soluble Reactive Phosphorus annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.
The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 151.1 T, to the river which contributed the least, Glenavy 4 T, in 2023.
The Mann-Kendall test detected 0 instances of significant monotonic trend.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).
Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Soluble Reactive Phosphorus annual loading.
Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.

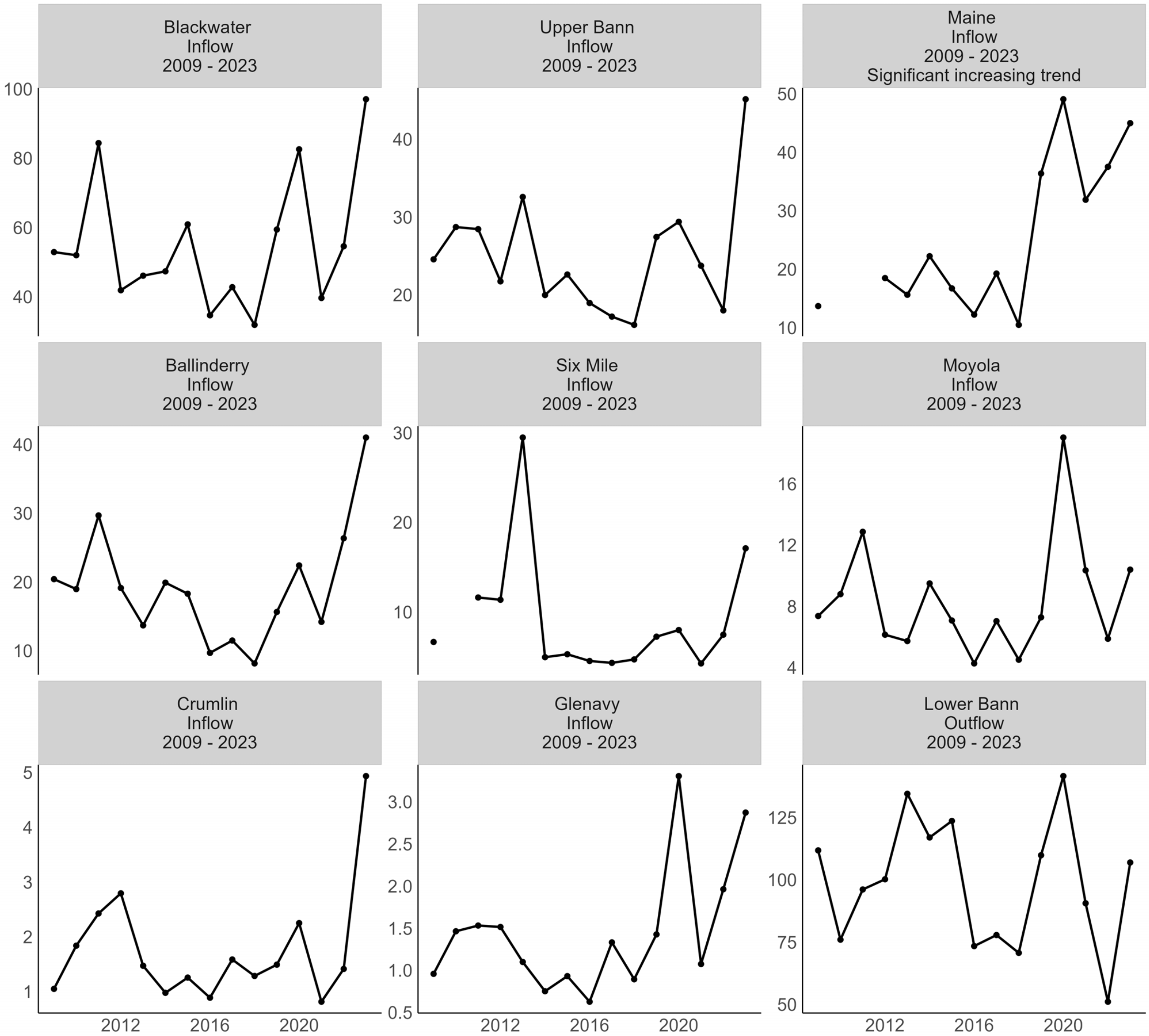


Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

Particulate Phosphorus annual loading (T) of 8 inflow rivers and 1 outflow river of Lough Neagh.

The 8 inflow rivers were ordered by the river which contributed the most, Blackwater 97 T, to the river which contributed the least, Glenavy 2.9 T, in 2023.

The Mann-Kendall test detected 1 instance of significant monotonic trend.



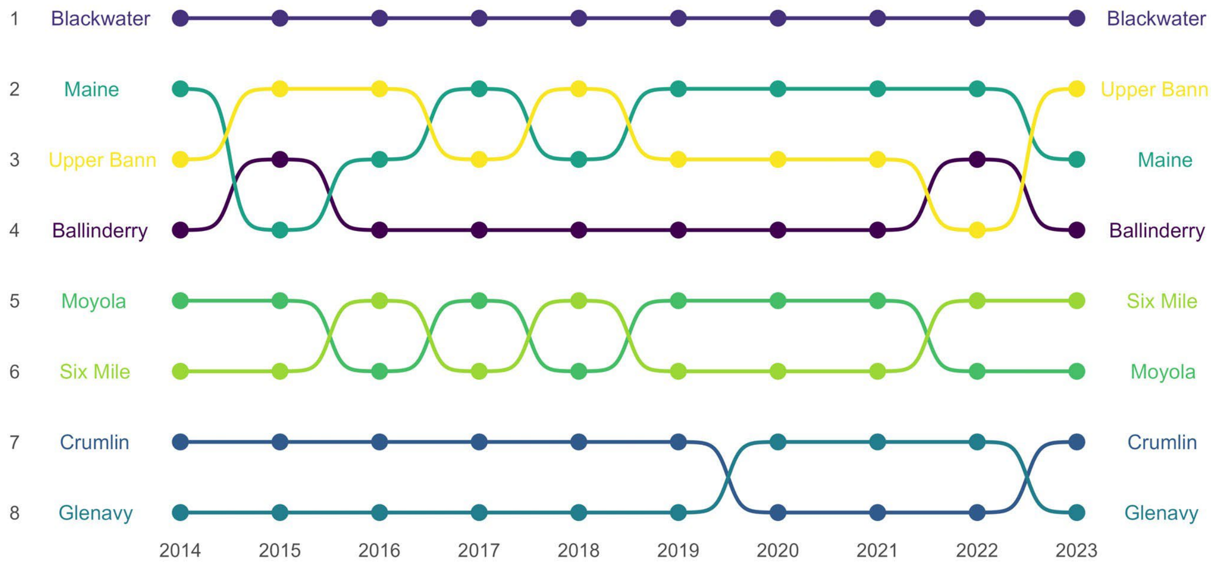
Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.

The annual, i.e. calendar year, loads were estimated using flow weighted mean concentrations (equation 5; Johnes, 2007).

Johnes, P.J. (2007). Uncertainties in annual riverine phosphorus load estimation: Impact of load estimation methodology, sampling frequency, baseflow index and catchment population density. Journal of Hydrology, 332. p241-258.

Lough Neagh inflow rivers ranked contribution to Particulate Phosphorus annual loading.

Position 1 indicates the river which contributed the most and position 8 indicates the river which contributed the least.



Sources: AFBI Freshwater Chemistry and Rivers Agency Mean Daily River Flows.