

# Water Framework Directive Statistics report 2021 webinar

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Integrated Catchment Planning Team  
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*Sustainability at the heart of a living, working, active landscape valued by everyone.*

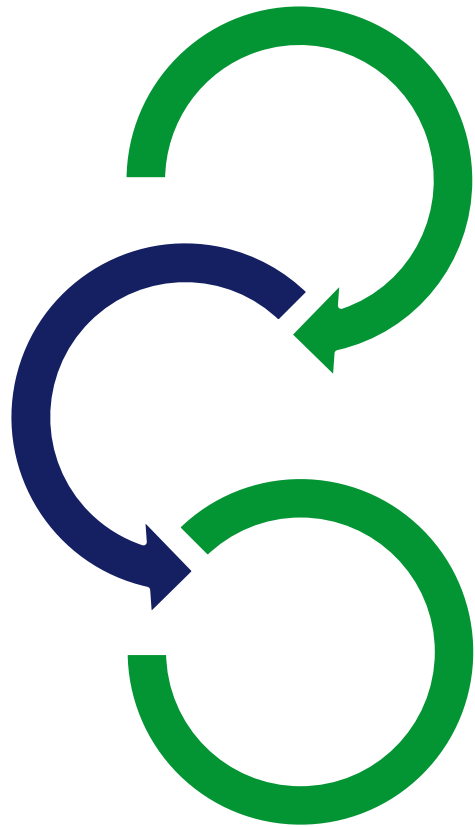
# Outline

- A. Timeline**
- B. Which waterbodies do we classify?**
- C. Changes in monitoring and classification for surface water bodies**
- D. Rivers**
- E. Lakes**
- F. Transitional & coastal water bodies**
- G. Groundwater**

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*Sustainability at the heart of a living, working, active landscape valued by everyone.*

# Timeline



10 October 2021  
Draft plan closed for consultation

9 December 2021  
WFD statistics published

9 April 2022  
Final River Basin Management Plan will be published

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# Classification



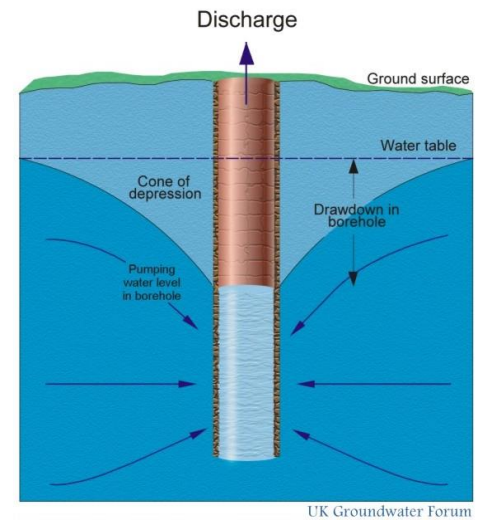
river water bodies



lake water bodies



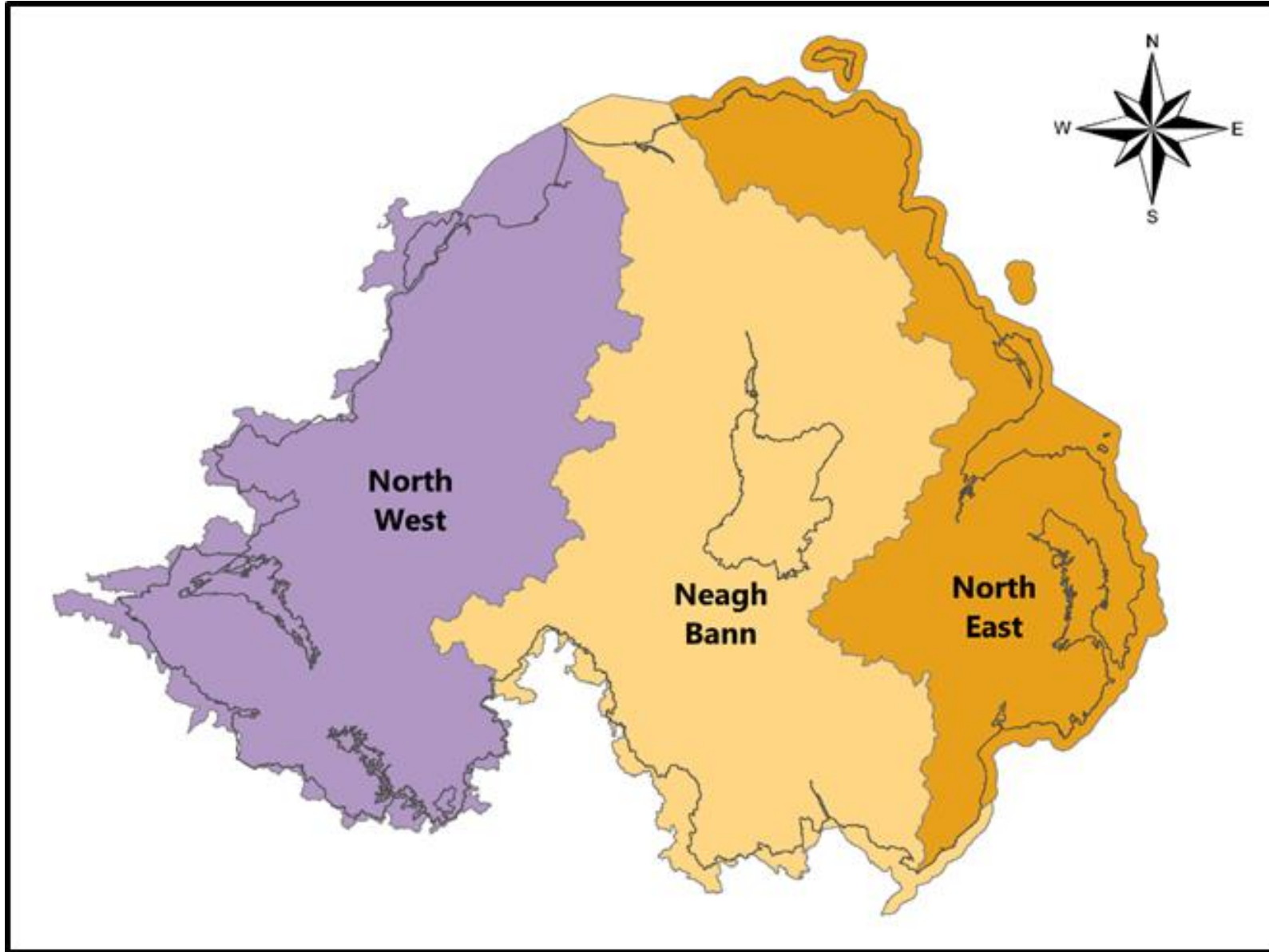
transitional and coastal water bodies



groundwater bodies

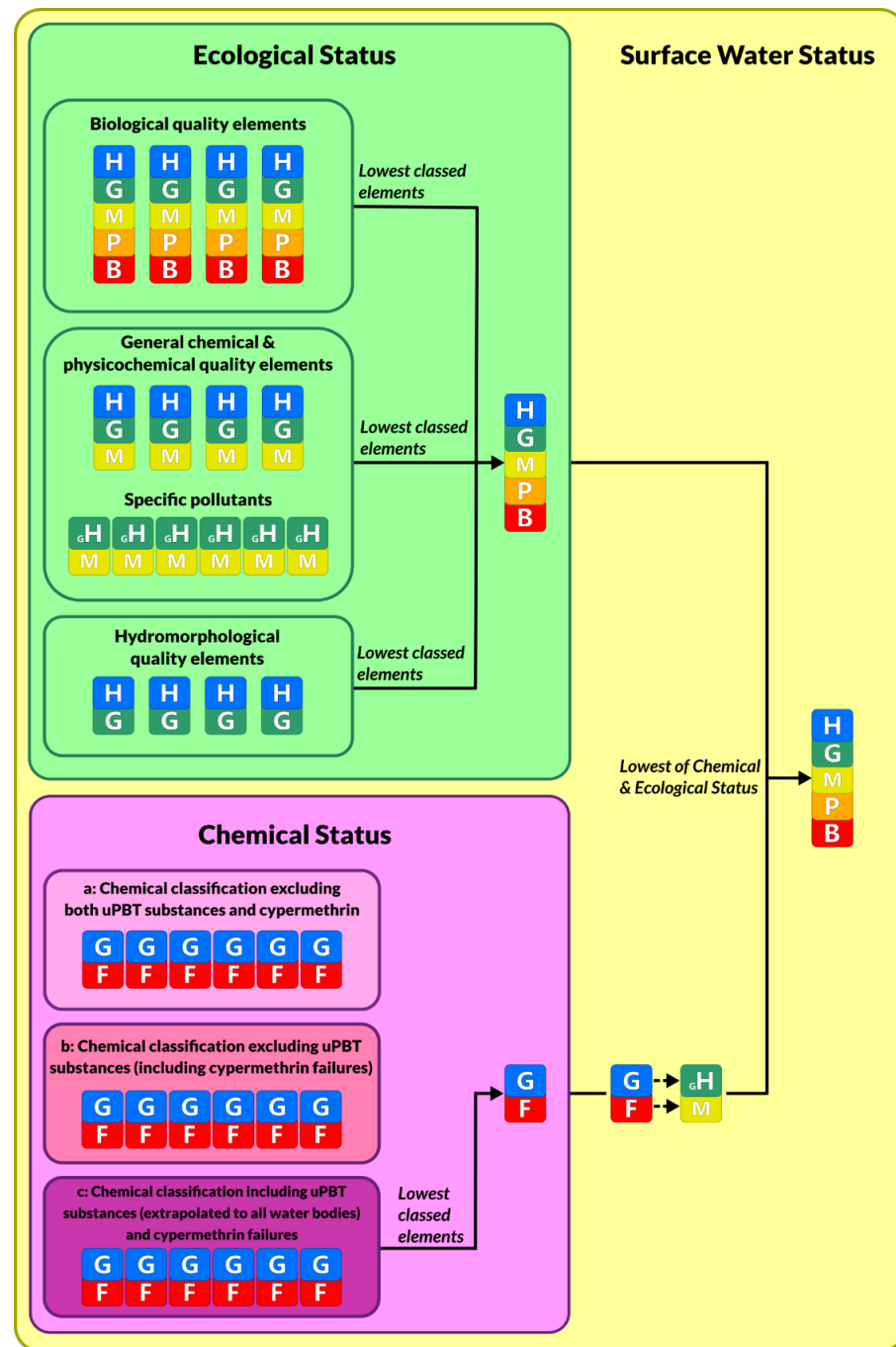
*B. Which waterbodies do we classify?*

# River Basin Districts



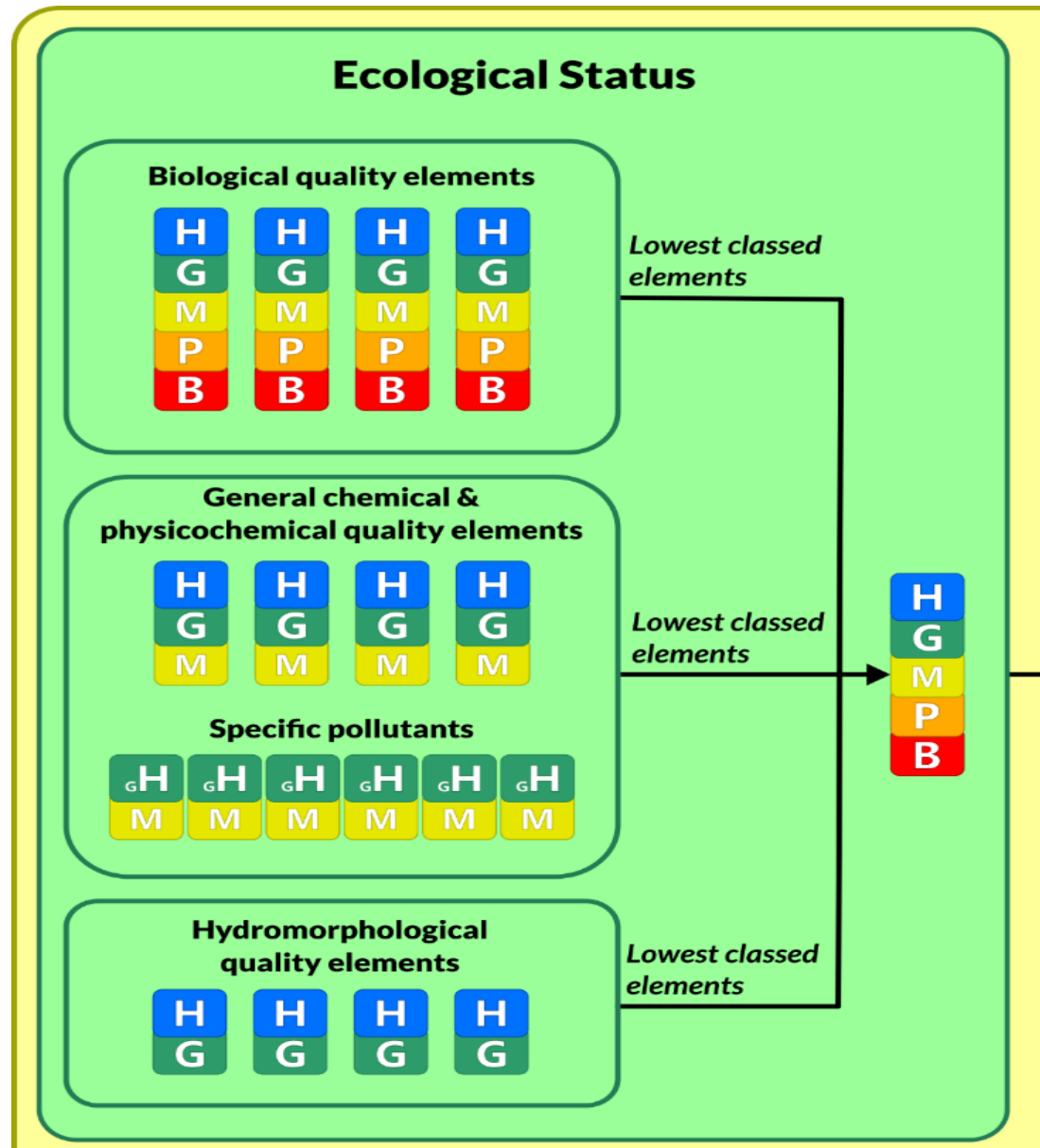
*B. Which waterbodies do we classify?*

# Surface water classification



*C. Changes in monitoring and classification for surface water*

# Surface water classification – ecological status

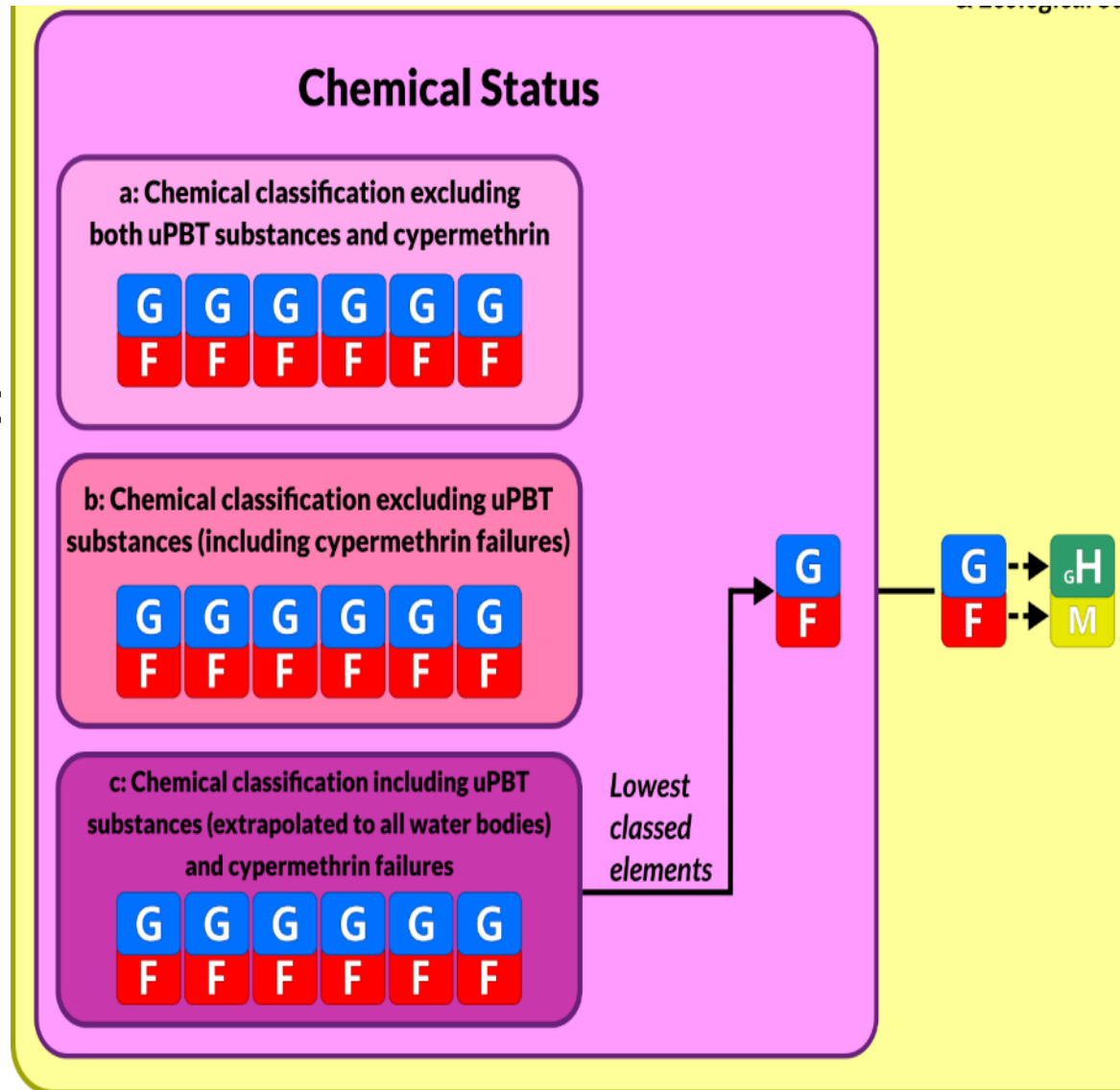


*C. Changes in monitoring and classification for surface water*

# Surface water classification – chemical status

assessment now includes:

- new priority substances (including cypermethrin)
- uPBT substances: ubiquitous, persistent, bioaccumulative, toxic substances - so-called 'forever' chemicals



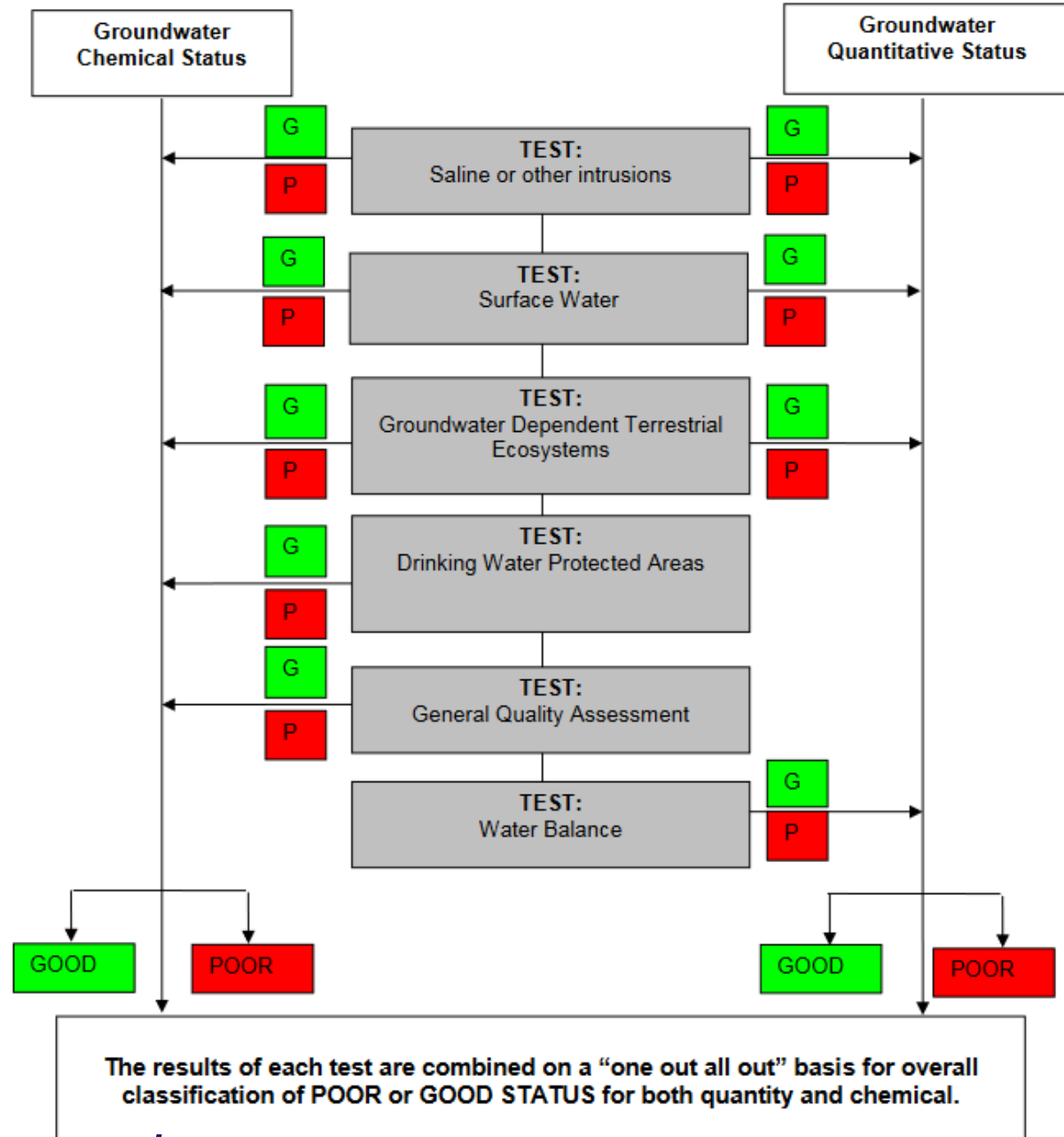
*C. Changes in monitoring and classification for surface water*



# Groundwater classification

for completeness only  
(not a surface water)

- quantitative status
- chemical status
- overall groundwater status



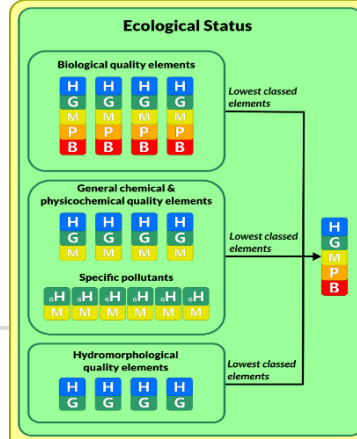
*C. Changes in monitoring and classification for surface water*

# Rivers

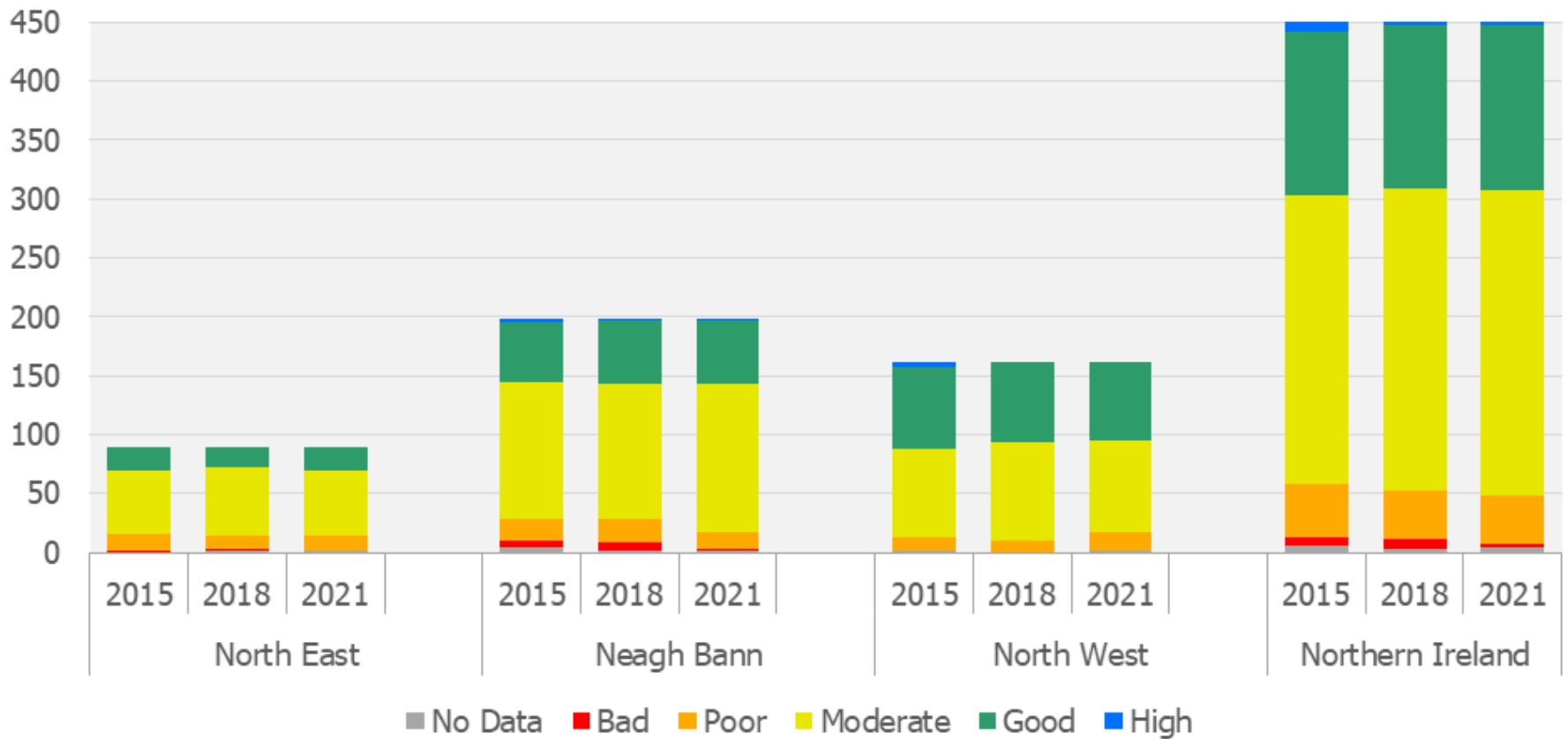


*D. Rivers*

# Ecological status



River ecological status 2015, 2018 & 2021



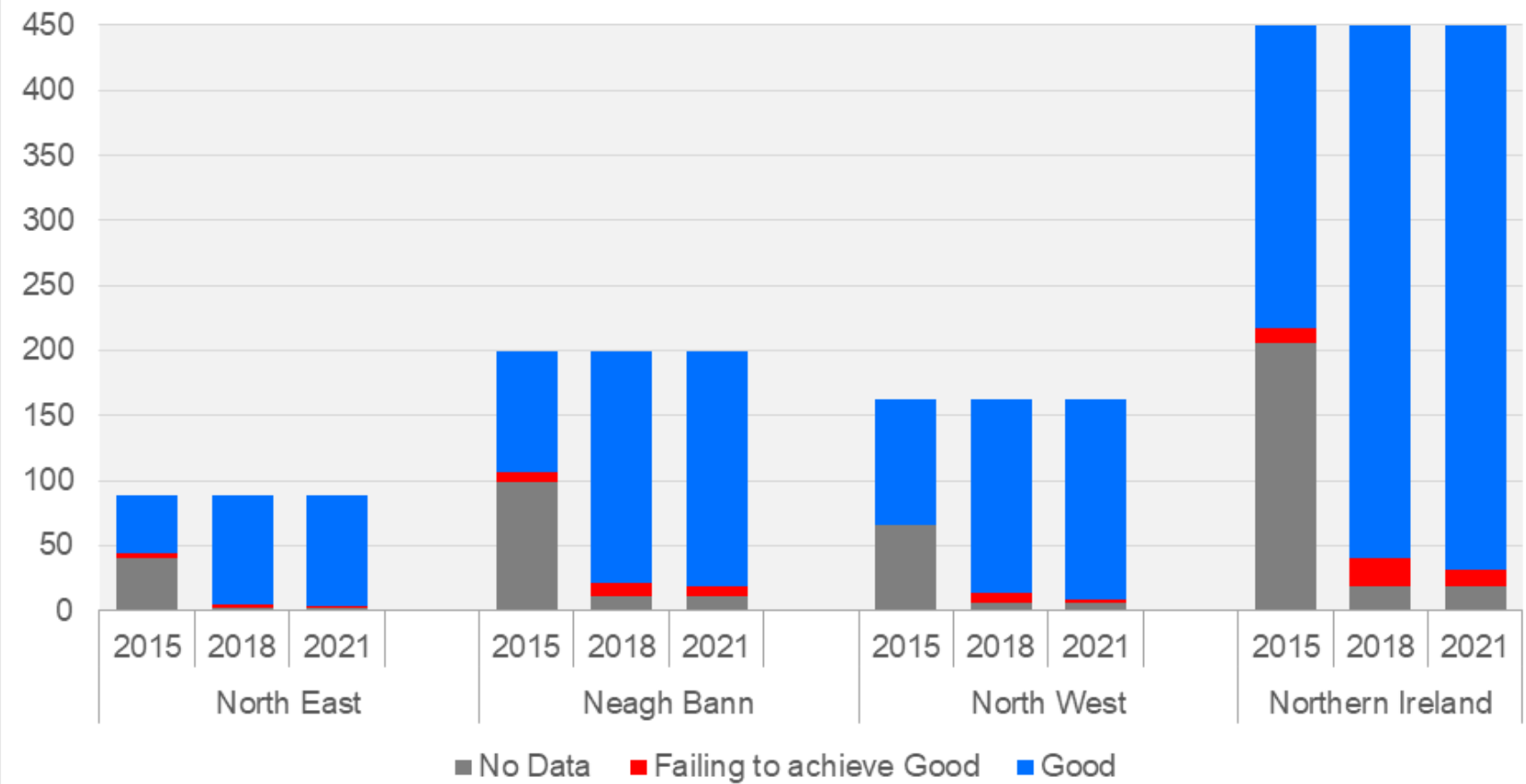
# Chemical status – subgroup a

**Chemical Status**

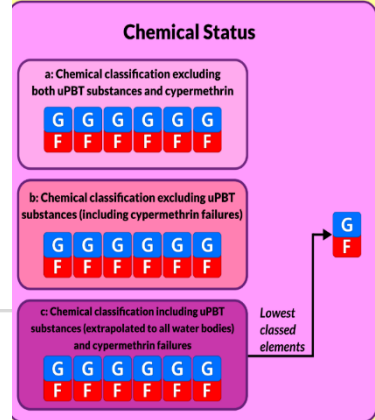
a: Chemical classification excluding both uPBT substances and cypermethrin

G	G	G	G	G	G
F	F	F	F	F	F

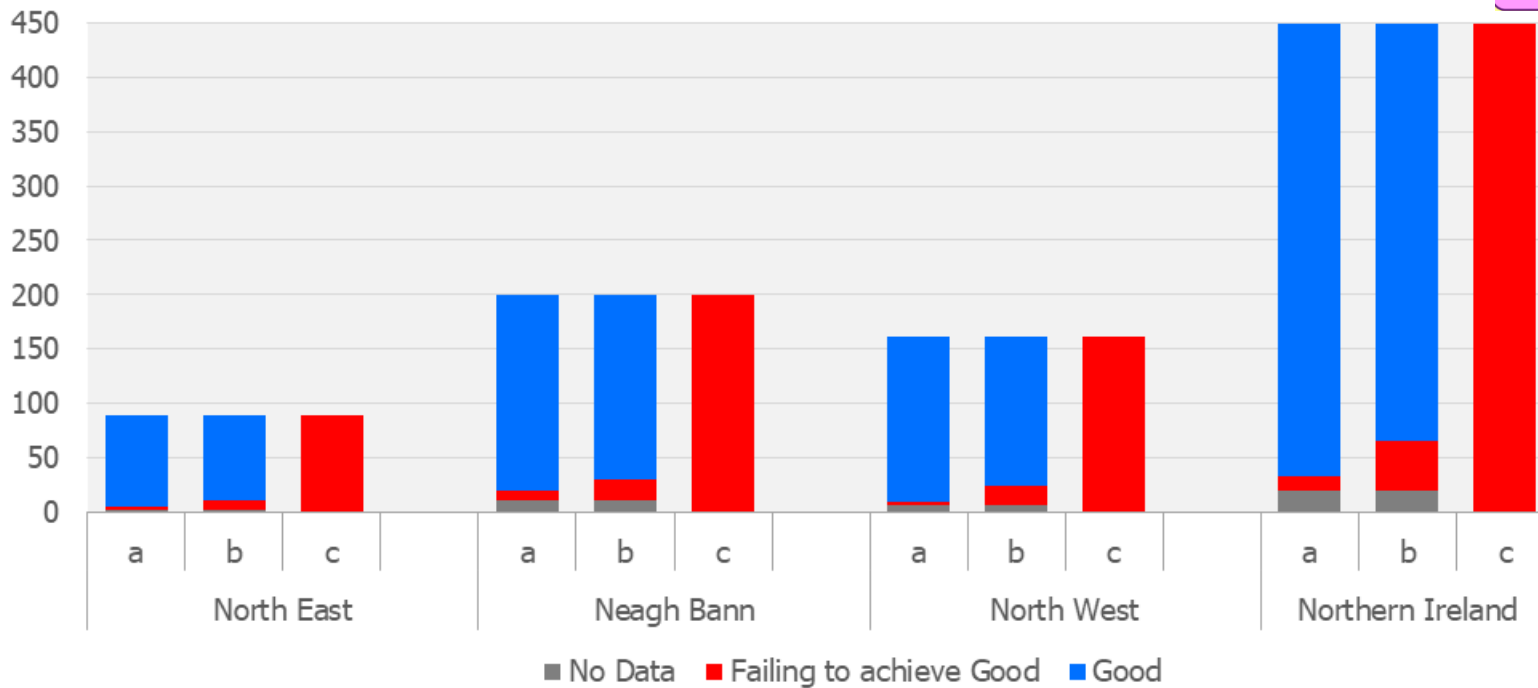
River chemical status subgroup (a) excluding both uPBT substances and cypermethrin 2015, 2018 & 2021



# Chemical status 2021 – all 3 subgroups a, b and c

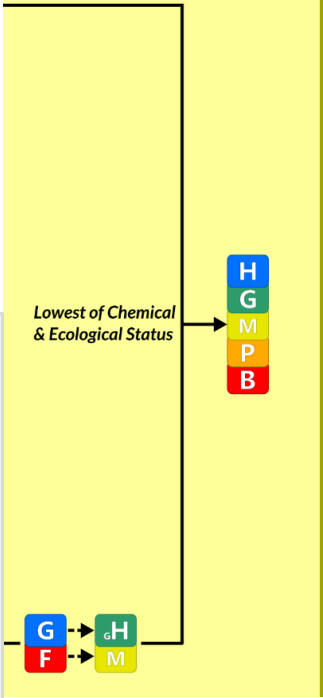
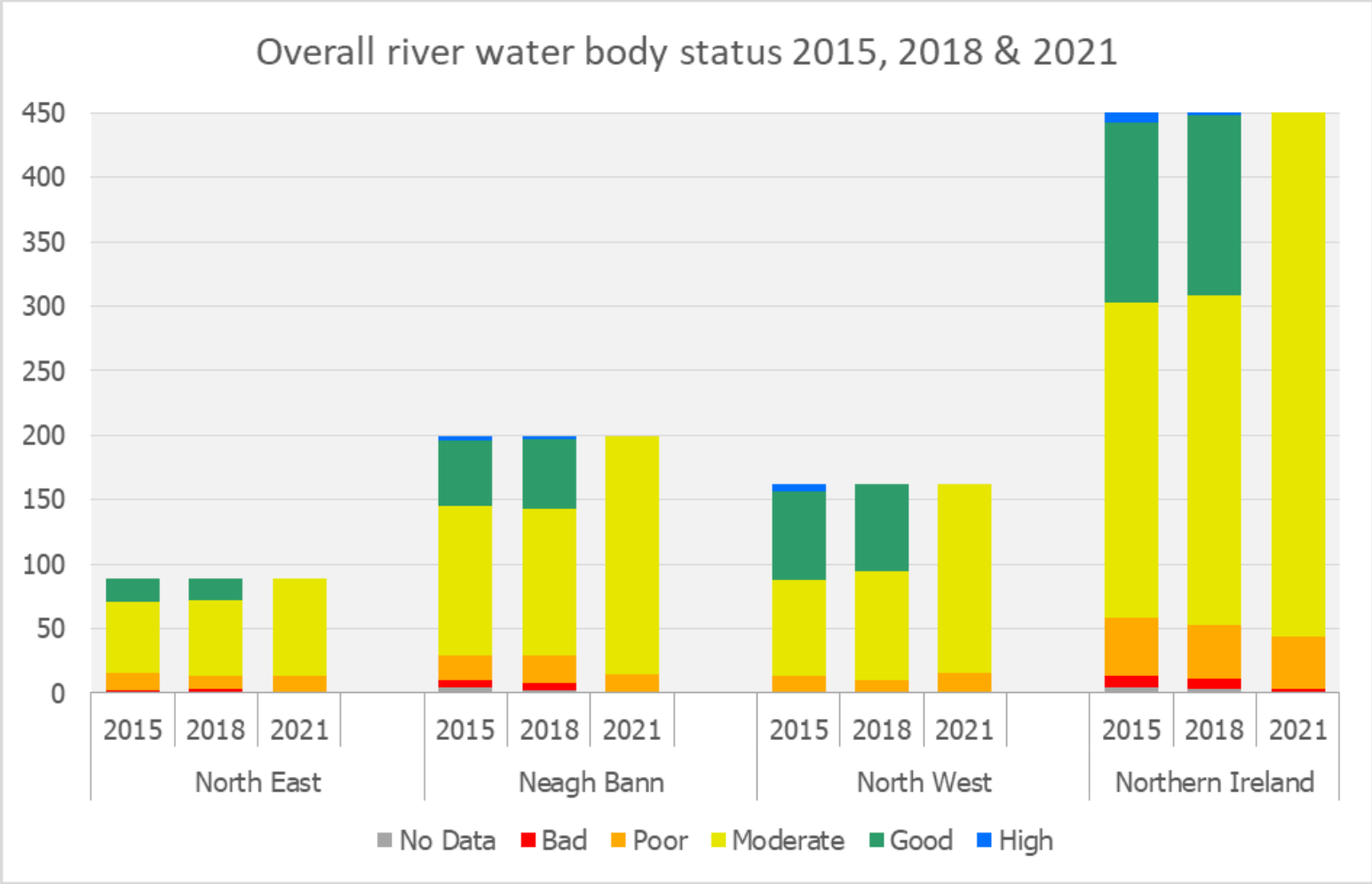


River chemical status 2021 displaying all 3 chemical subgroups



a: Chemical classification excluding both uPBT substances and cypermethrin  
 b: Chemical classification excluding uPBT substances (including cypermethrin failures)  
 c: Chemical classification including uPBT substances (extrapolated to all water bodies) and cypermethrin failures

# Overall surface water status



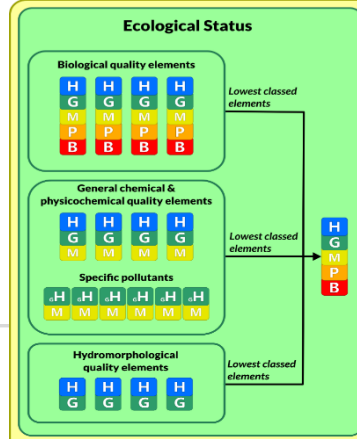
# Lakes



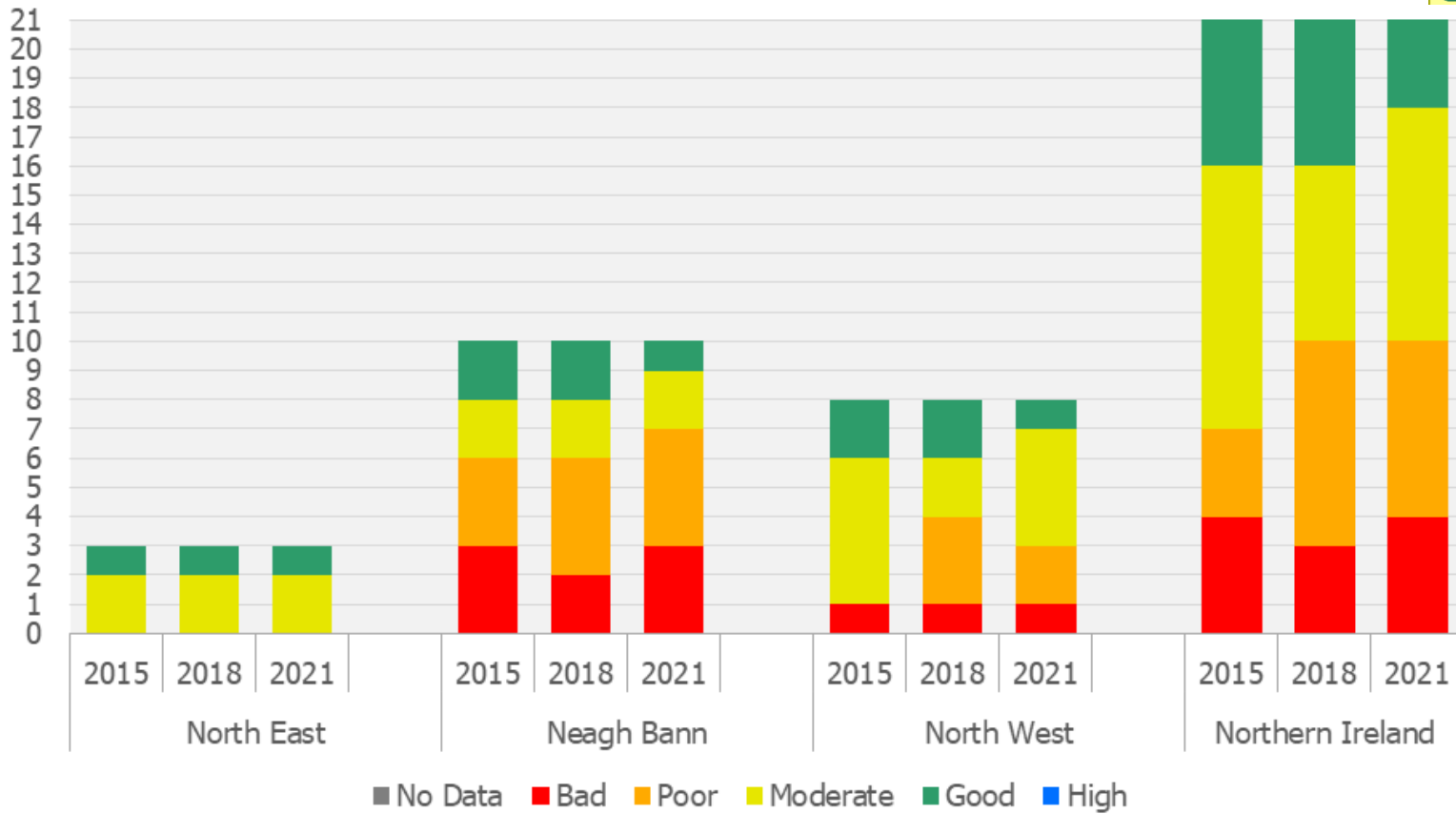
© Tourism Northern Ireland

*E. Lakes*

# Ecological status



Lake ecological status 2015, 2018 & 2021





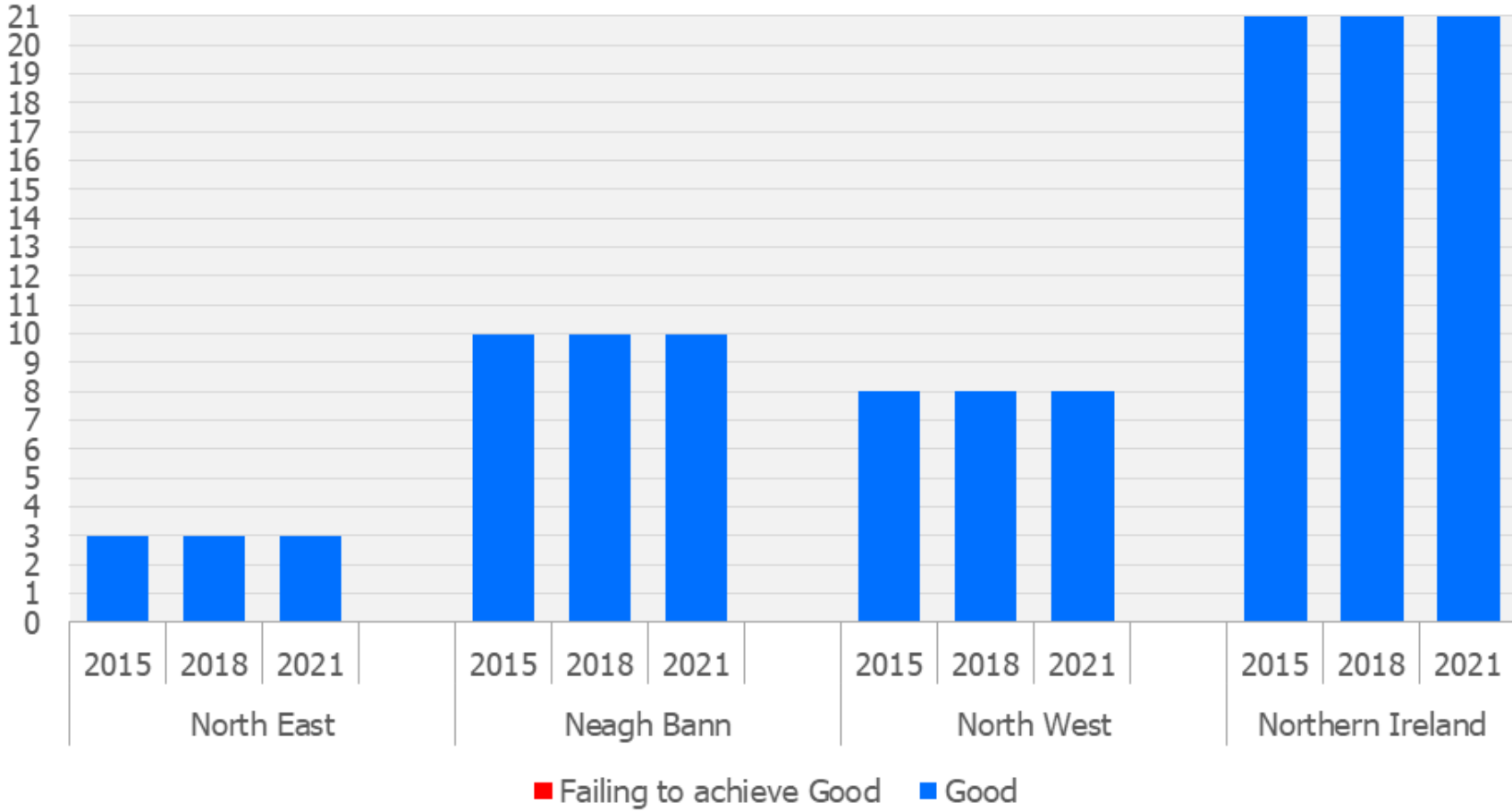
# Chemical status – subgroup a

**Chemical Status**

a: Chemical classification excluding both uPBT substances and cypermethrin

G	G	G	G	G	G
F	F	F	F	F	F

Lake chemical status subgroup (a) excluding both uPBT substances and cypermethrin 2015, 2018 & 2021



# Chemical status 2021– all 3 subgroups a, b and c

**Chemical Status**

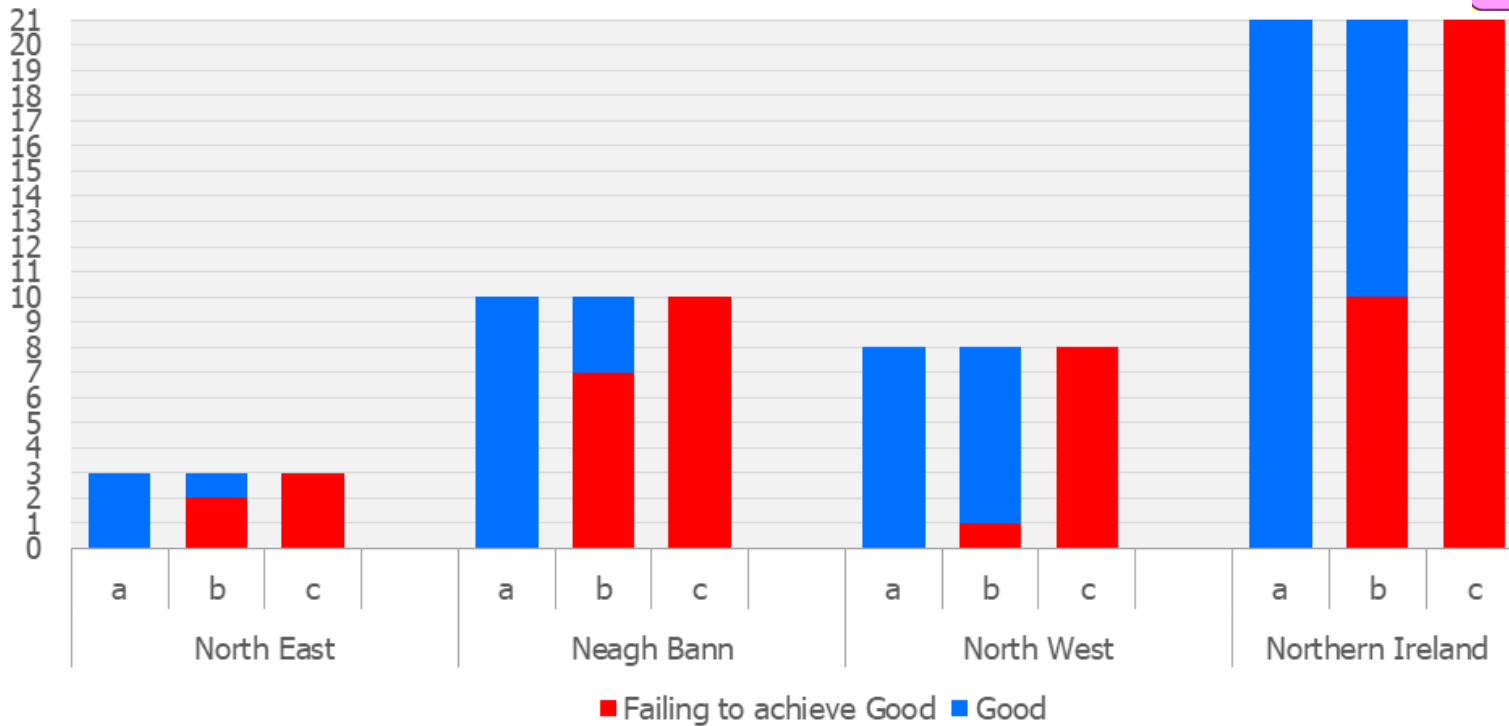
a: Chemical classification excluding both uPBT substances and cypermethrin

b: Chemical classification excluding uPBT substances (including cypermethrin failures)

c: Chemical classification including uPBT substances (extrapolated to all water bodies) and cypermethrin failures

Lowest classed elements

Lake chemical status 2021 displaying all 3 chemical subgroups



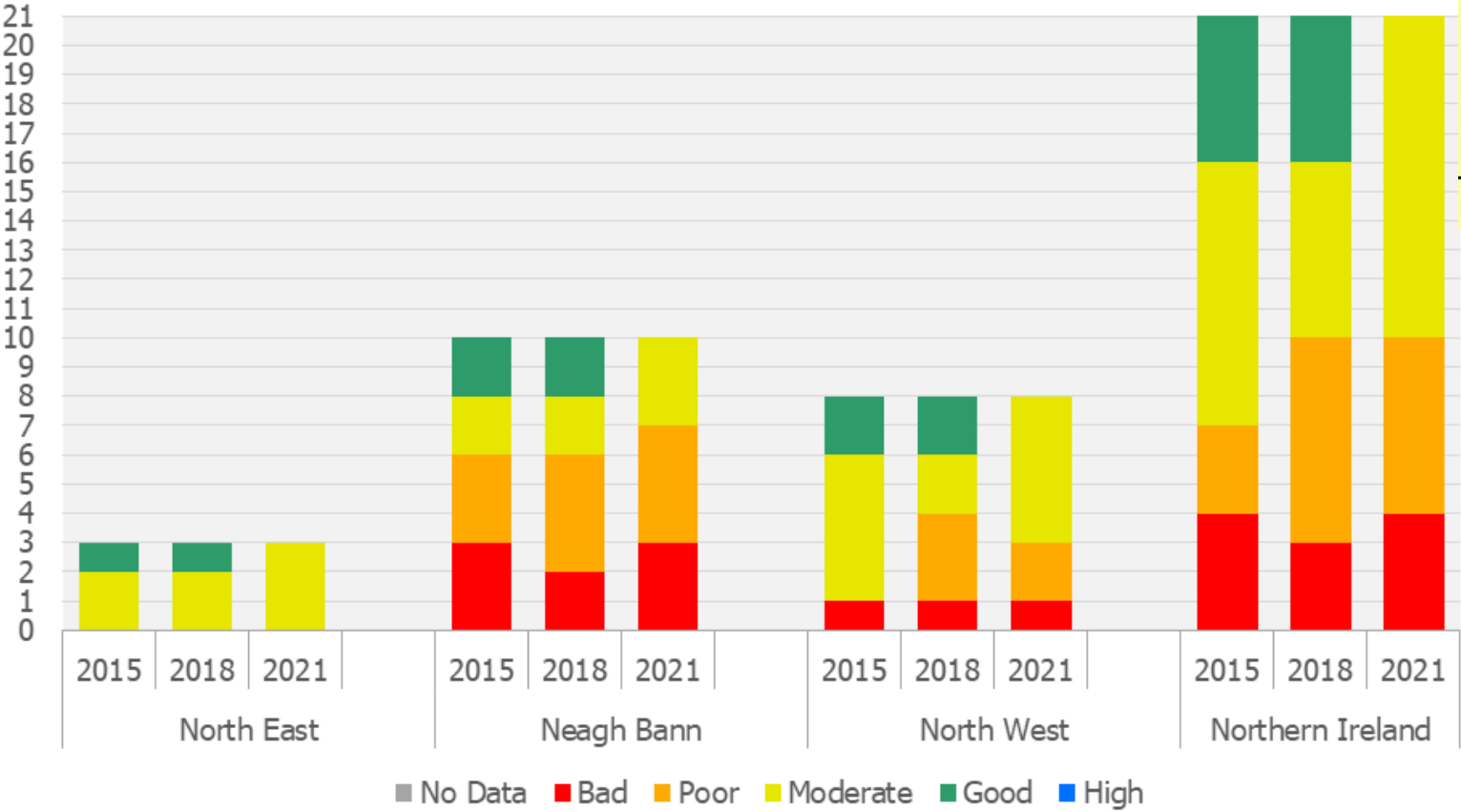
a: Chemical classification excluding both uPBT substances and cypermethrin

b: Chemical classification excluding uPBT substances (including cypermethrin failures)

c: Chemical classification including uPBT substances (extrapolated to all water bodies) and cypermethrin failures

# Overall surface water status

Overall lake status 2015, 2018 & 2021



Lowest of Chemical & Ecological Status

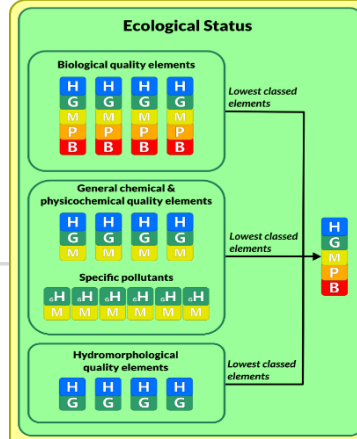


# Transitional & coastal water bodies

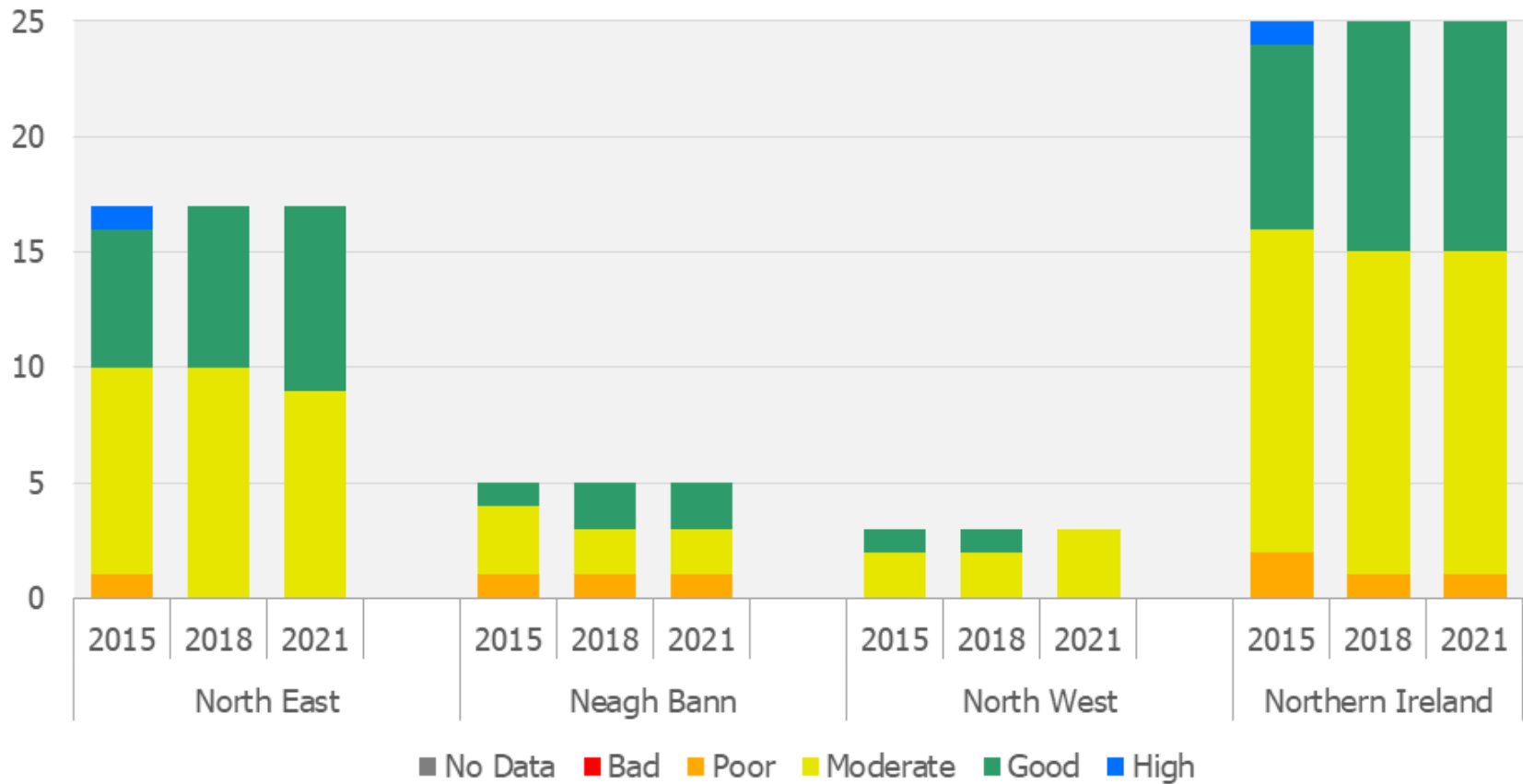


*F. Transitional & coastal water bodies*

# Ecological status



Transitional & coastal water body ecological status 2015, 2018 & 2021



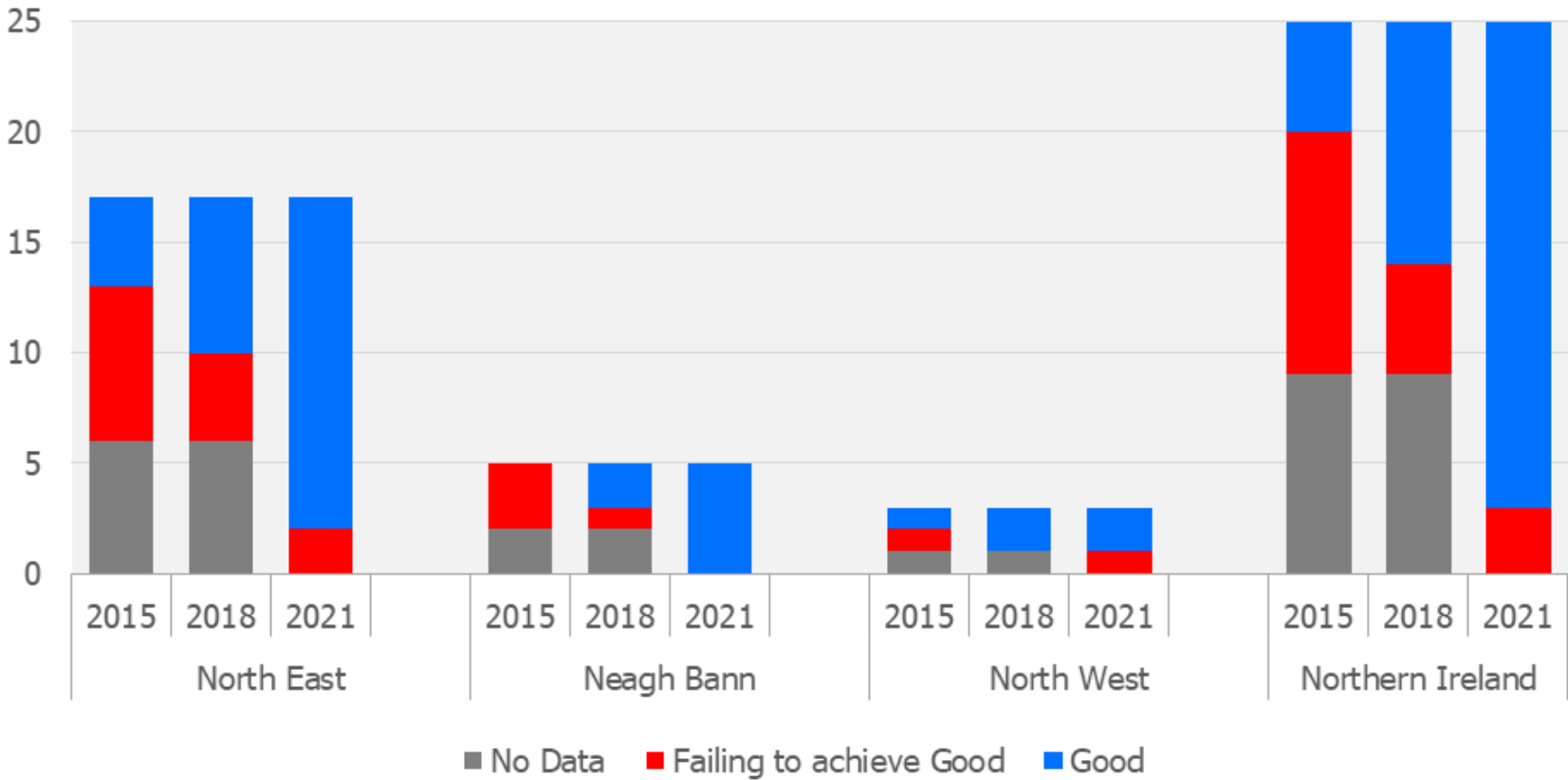
# Chemical status – subgroup a

**Chemical Status**

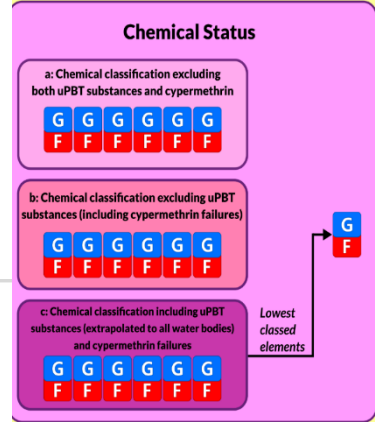
a: Chemical classification excluding both uPBT substances and cypermethrin

G	G	G	G	G	G
F	F	F	F	F	F

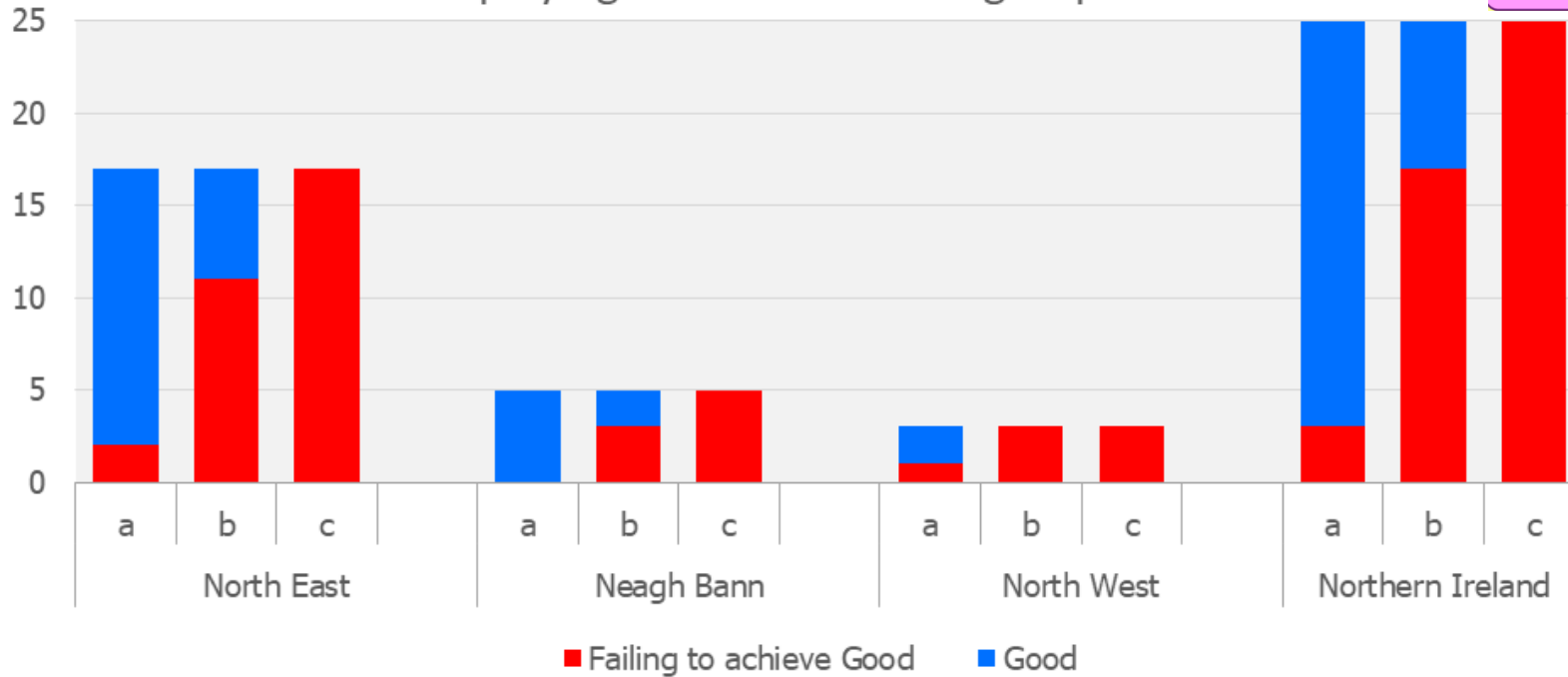
Transitional & coastal water body chemical status subgroup (a) excluding both uPBT substances and cypermethrin 2015, 2018 & 2021



# Chemical status 2021 – all 3 subgroups a, b and c



Transitional & coastal water body chemical status 2021 displaying all 3 chemical subgroups



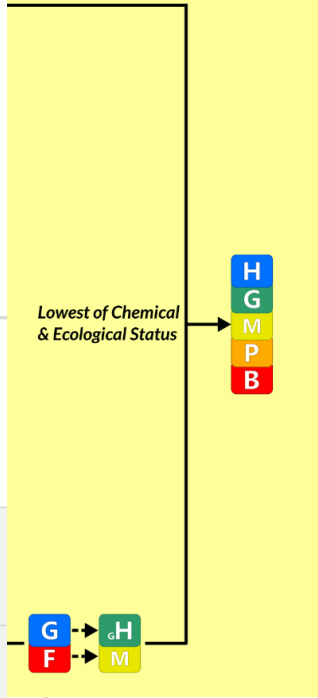
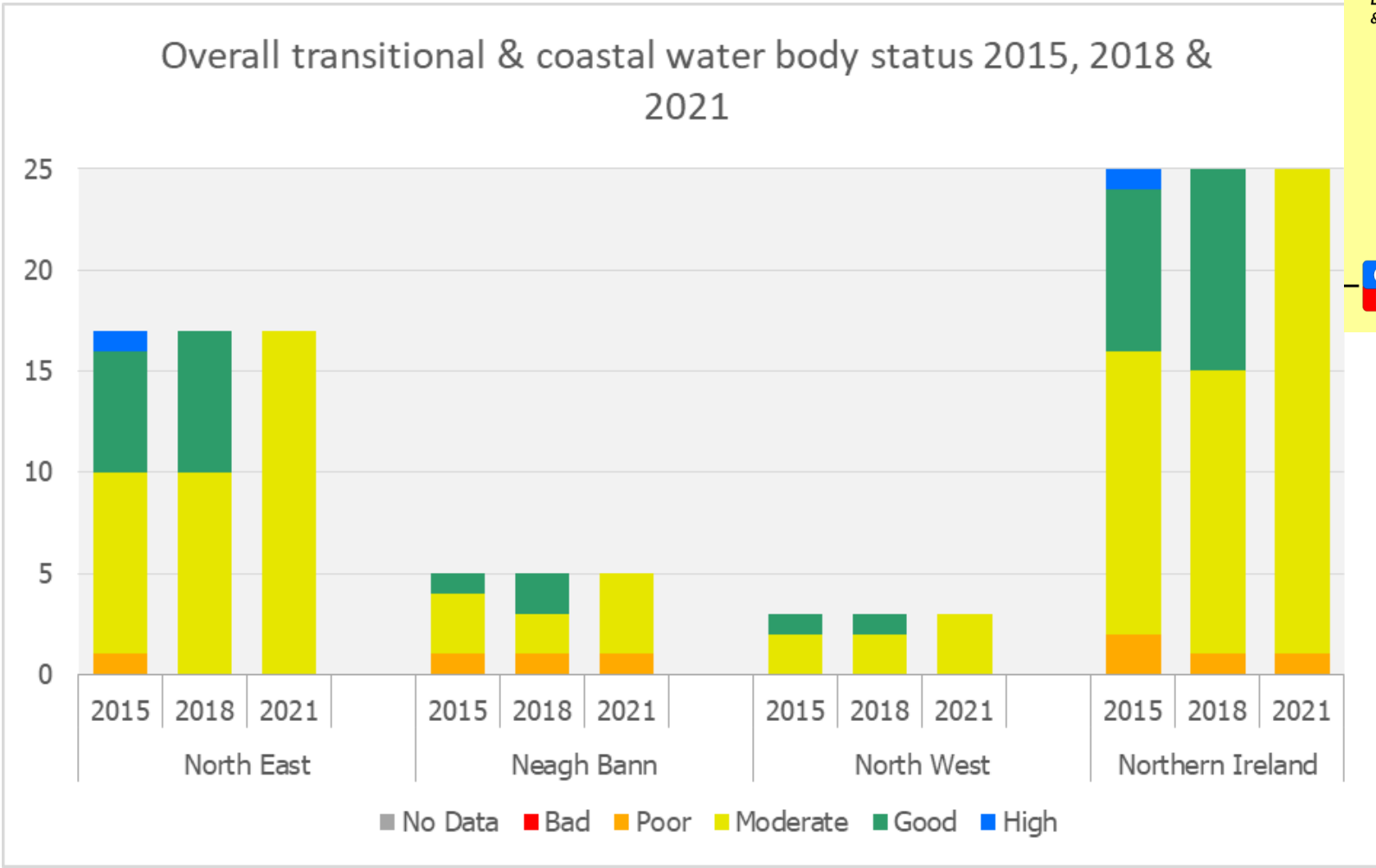
a: Chemical classification excluding both uPBT substances and cypermethrin

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## F. Transitional & coastal water bodies

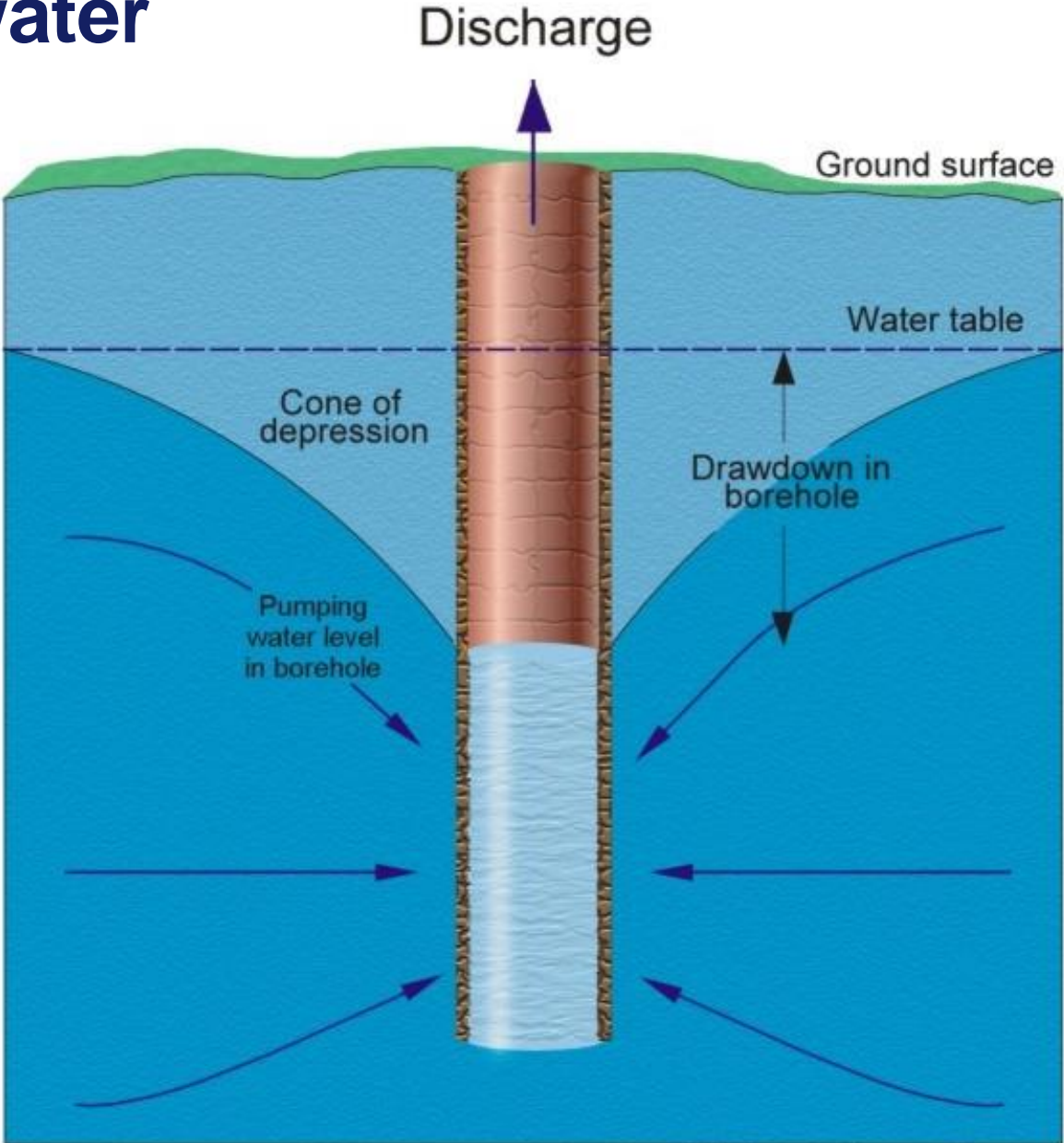
# Overall surface water status



## F. Transitional & coastal water bodies



# Groundwater

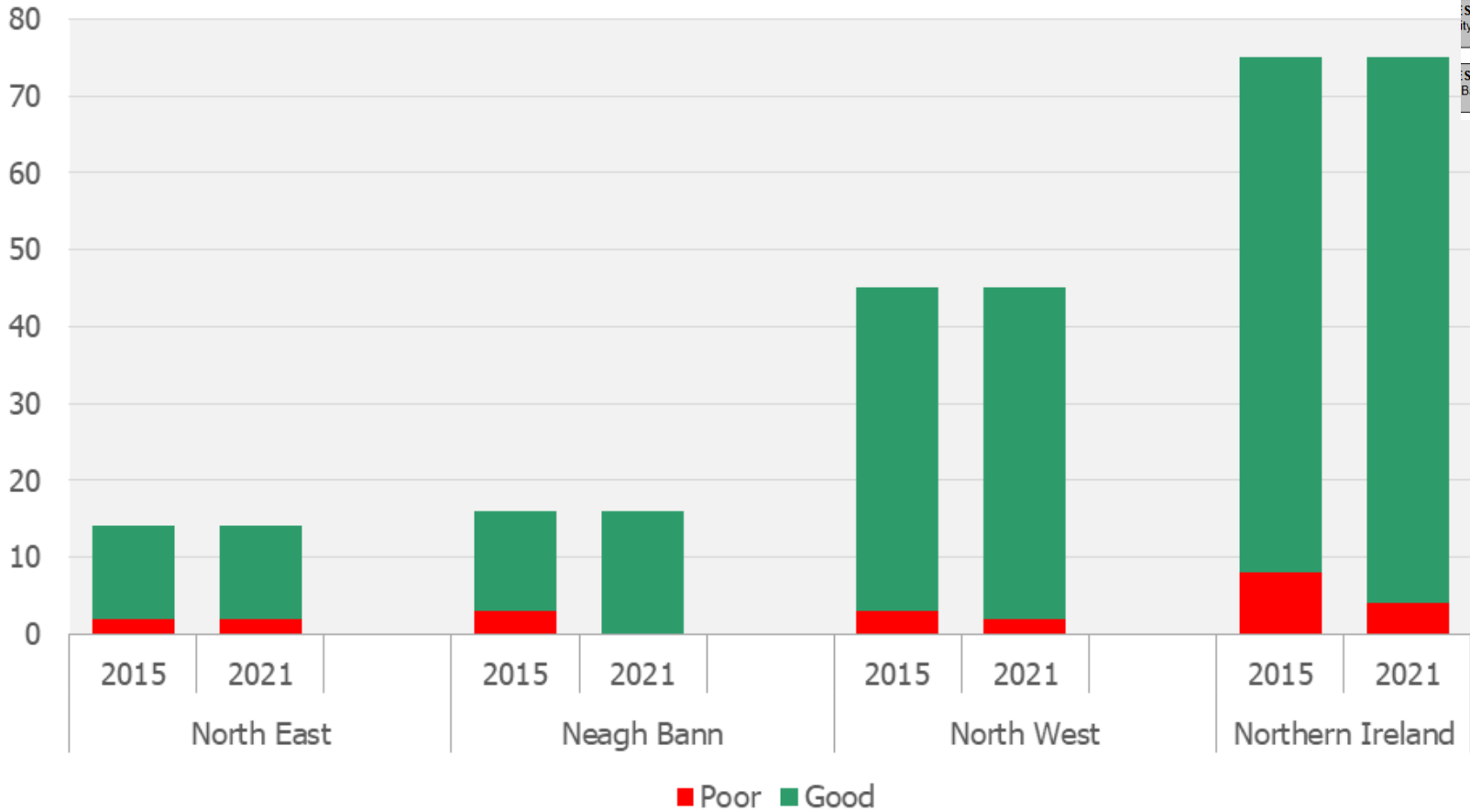


# Quantitative status

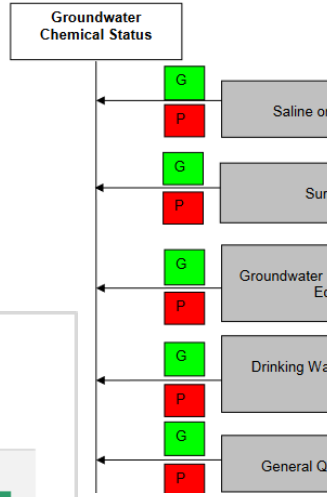
Groundwater Quantitative Status

ST: Other intrusions	G
	P
ST: Surface Water	G
	P
ST: Dependent Terrestrial systems	G
	P
ST: Protected Areas	
ST: Quality Assessment	
ST: Balance	G
	P

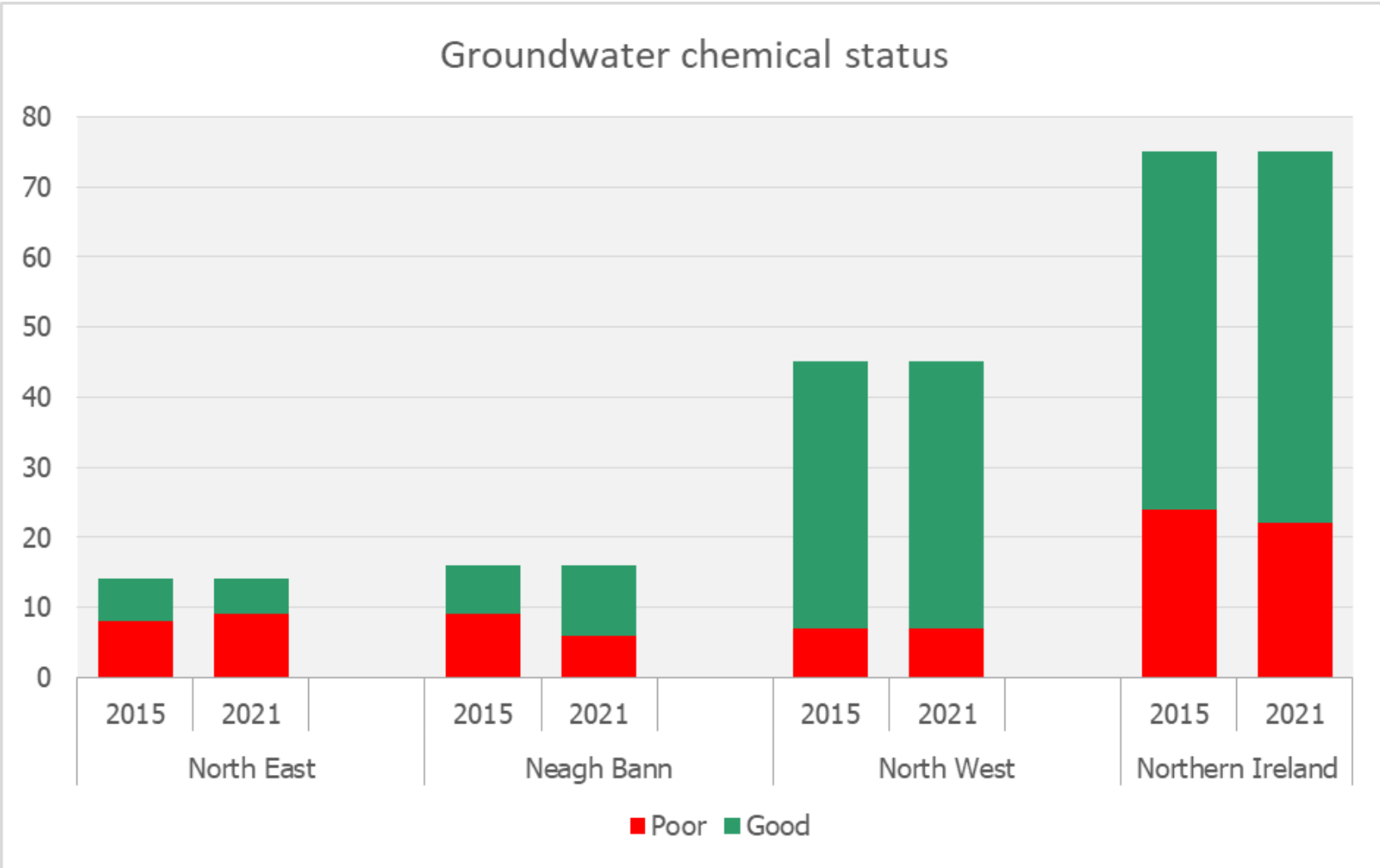
Groundwater quantitative status



# Chemical status

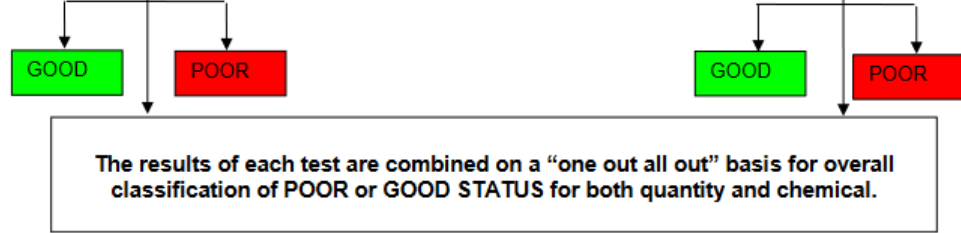


## Groundwater chemical status

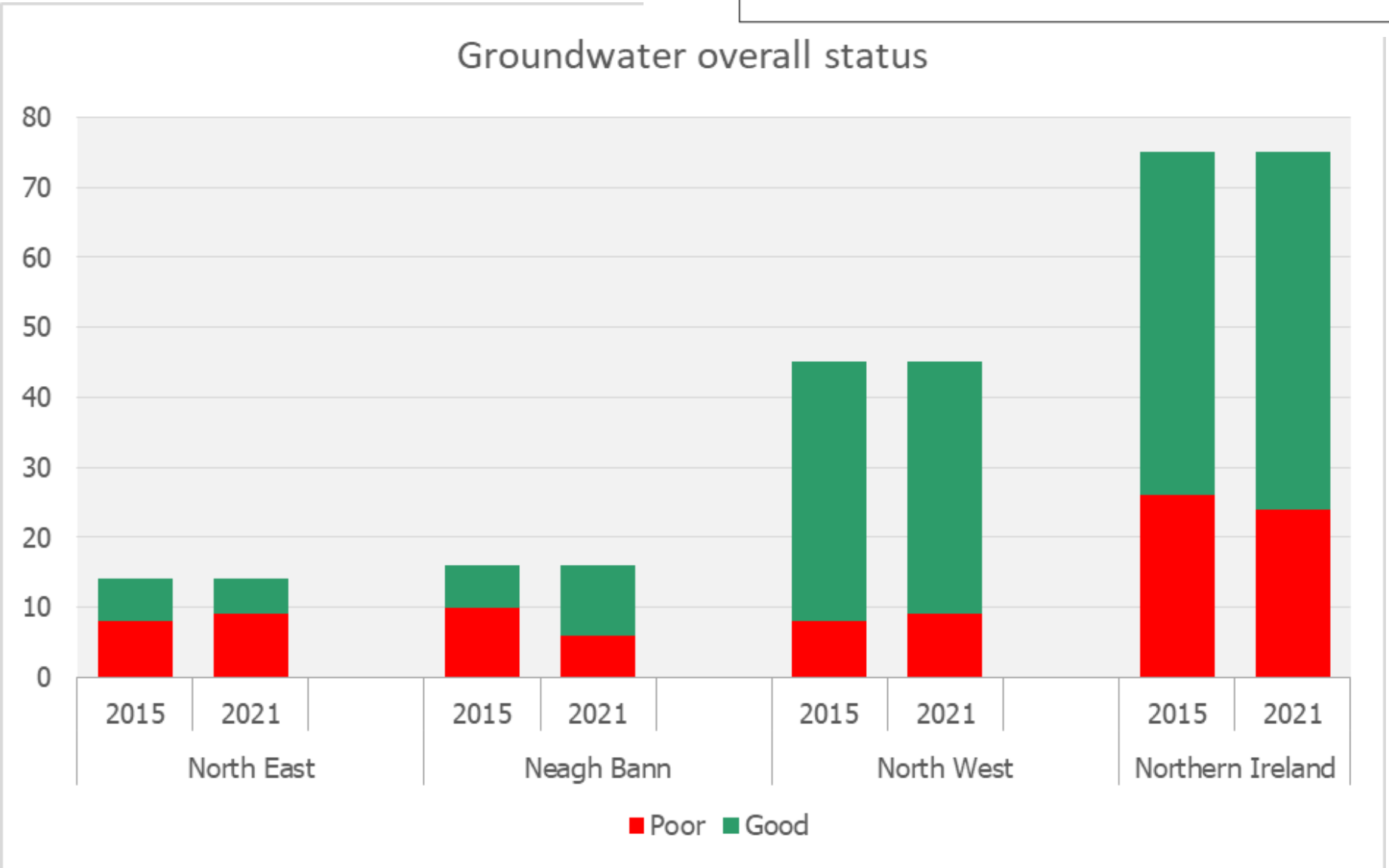


*G. Groundwater*

# Overall status



## Groundwater overall status



# Questions



<https://www.daera-ni.gov.uk/publications/northern-ireland-water-framework-directive-statistics-report-2021>

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