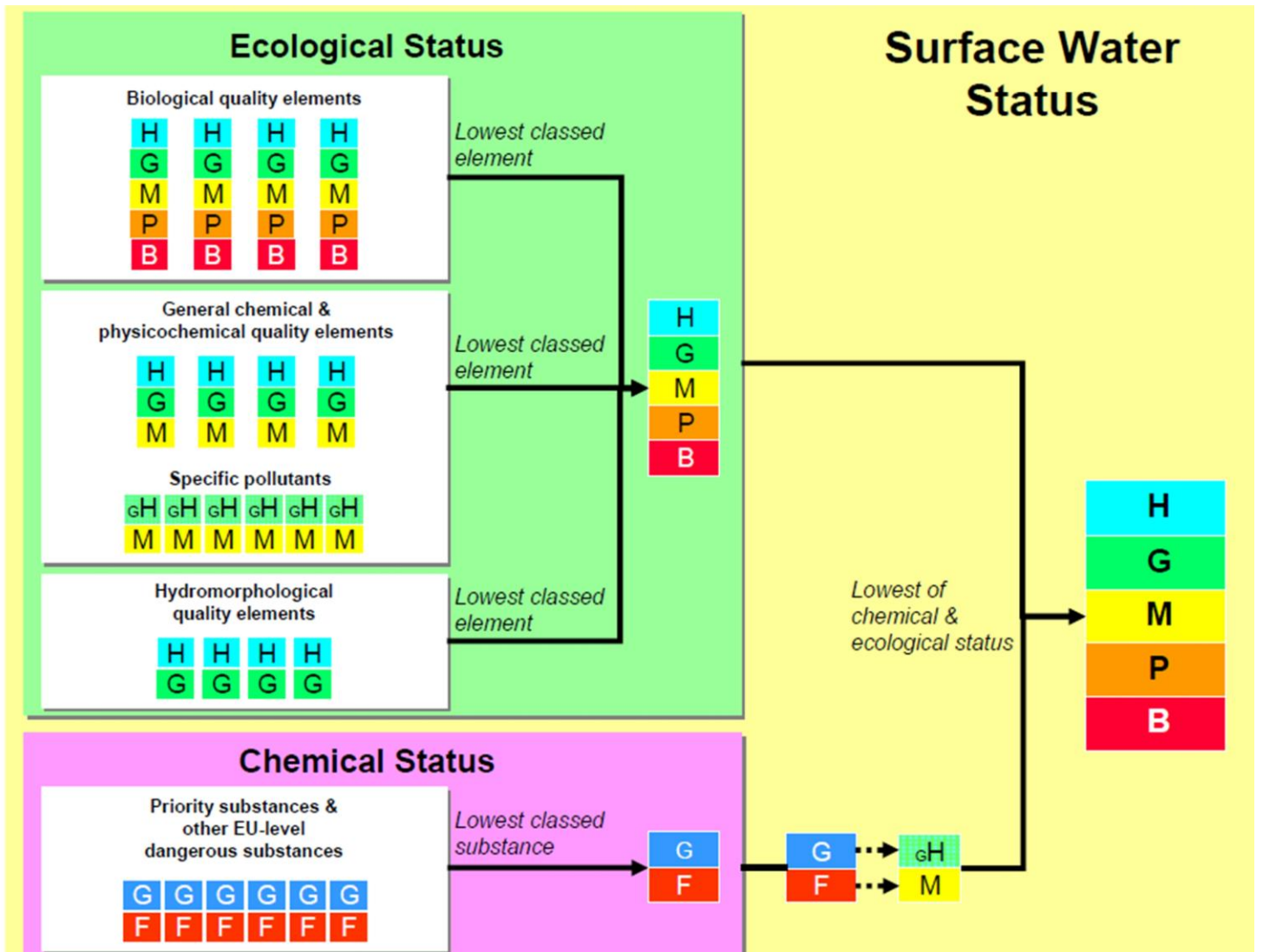


Local Management Areas

Reasons for status for the water bodies within the Larne Lough LMA

December 2015



Water body name: Glynn River
Water body identification code: UKGBNI1NE040405046
River Basin District: North Eastern
Local management area: Larne Lough
2021 Objective: Good Status
2027 Objective: Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Good						
Confidence in overall status:	Medium						

_____ Biological elements _____

Benthic invertebrates	Good
Macrophytes	High
Phytobenthos	Good

_____ Physicochemical elements _____

Biochemical Oxygen Demand ¹	High
Temperature ¹	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	Good

_____ Specific pollutants _____

Ammonia	Good/High
Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Iron (dissolved)	Good/High

_____ Hydromorphological elements ¹ _____

Hydrological regime	Good
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_____ Priority substances _____

Cadmium (dissolved)	Good
Lead (dissolved)	Good
Nickel (dissolved)	Good

¹ BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

The diagram on page 2 indicates how overall classification has been assessed from the individual elements. However, for heavily modified water bodies and artificial water bodies a separate classification has been applied to determine ecological potential taking into account mitigation measures. Further details can be found on our website.

Water body name: Larne (Inver) River
Water body identification code: UKGBNI1NE040405047
River Basin District: North Eastern
Local management area: Larne Lough
2021 Objective: Good Status
2027 Objective: Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Moderate						
Confidence in overall status:	Medium						

Biological elements

Benthic invertebrates	High
Macrophytes	High
Phytobenthos	Good
Fish	Moderate

Physicochemical elements

Biochemical Oxygen Demand ¹	Good
Temperature ¹	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	Good

Specific pollutants

Ammonia	Good/High
Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Iron (dissolved)	Good/High
Toluene	Good/High

Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

Anthracene	Good
Benzene	Good
Benzo-a-pyrene	Good
Brominated diphenylether	Good
Benzo(b)fluoranthene	Good
Benzo(k)fluoranthene	Good
Benzo(g,h,i)perylene	Good
Cadmium (dissolved)	Good
Fluoranthene	Good
Lead (dissolved)	Good

Mercury (dissolved)
Naphthalene
Nickel (dissolved)

Good
Good
Good

¹ BOD and temperature do not contribute to overall classification. Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

The yearly classifications are based on monitoring data up to the end of the previous year where available. Data more than 6 years old is not used for classifications. Elements were not classified in a particular year if they were not monitored during the previous 6 years.

The diagram on page 2 indicates how overall classification has been assessed from the individual elements. However, for heavily modified water bodies and artificial water bodies a separate classification has been applied to determine ecological potential taking into account mitigation measures. Further details can be found on our website.

Water body name: Larne Lough North
Water body identification code: UKGBNI6NE050
This is a heavily modified water body.
River Basin District: North Eastern
Local management area: Larne Lough
2021 Objective: Good ecological potential
2027 Objective: Good ecological potential

	2015	2016	2017	2018	2019	2020	2021
Overall status:	MEP						
Confidence in overall status:							
Alien Species	Present						
Angiosperms	Moderate						
Benthic Invertebrates	Moderate						
Dissolved inorganic nitrogen	High						
Dissolved oxygen	High						
Fish	Moderate						
Priority hazardous substances	Fail						
Specific pollutants	Moderate						

The yearly classifications are based on monitoring data up to the end of the previous year where possible. Data more than 6 years old is not used for classifications.

Water body name:	Larne Lough Mid
Water body identification code:	UKGBNI6NE060
River Basin District:	North Eastern
Local management area:	Larne Lough
2021 Objective:	Good Status
2027 Objective:	Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Moderate						
Confidence in overall status:							
Alien Species	Present						
Angiosperms	Moderate						
Benthic Invertebrates	Moderate						
Dissolved inorganic nitrogen	High						
Dissolved oxygen	High						
Hydromorphology	Moderate						
Priority hazardous substances	Fail						
Specific pollutants	Moderate						

The yearly classifications are based on monitoring data up to the end of the previous year where possible. Data more than 6 years old is not used for classifications.

Water body name:	Larne Lough South
Water body identification code:	UKGBNI6NE070
River Basin District:	North Eastern
Local management area:	Larne Lough
2021 Objective:	Good Status
2027 Objective:	Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Good						
Confidence in overall status:							
Alien Species	Present						
Angiosperms	Good						
Benthic Invertebrates	Good						
Dissolved inorganic nitrogen	High						
Dissolved oxygen	High						
Hydromorphology	Good						
Priority hazardous substances	Good						
Specific pollutants	Good/High						

The yearly classifications are based on monitoring data up to the end of the previous year where possible. Data more than 6 years old is not used for classifications.