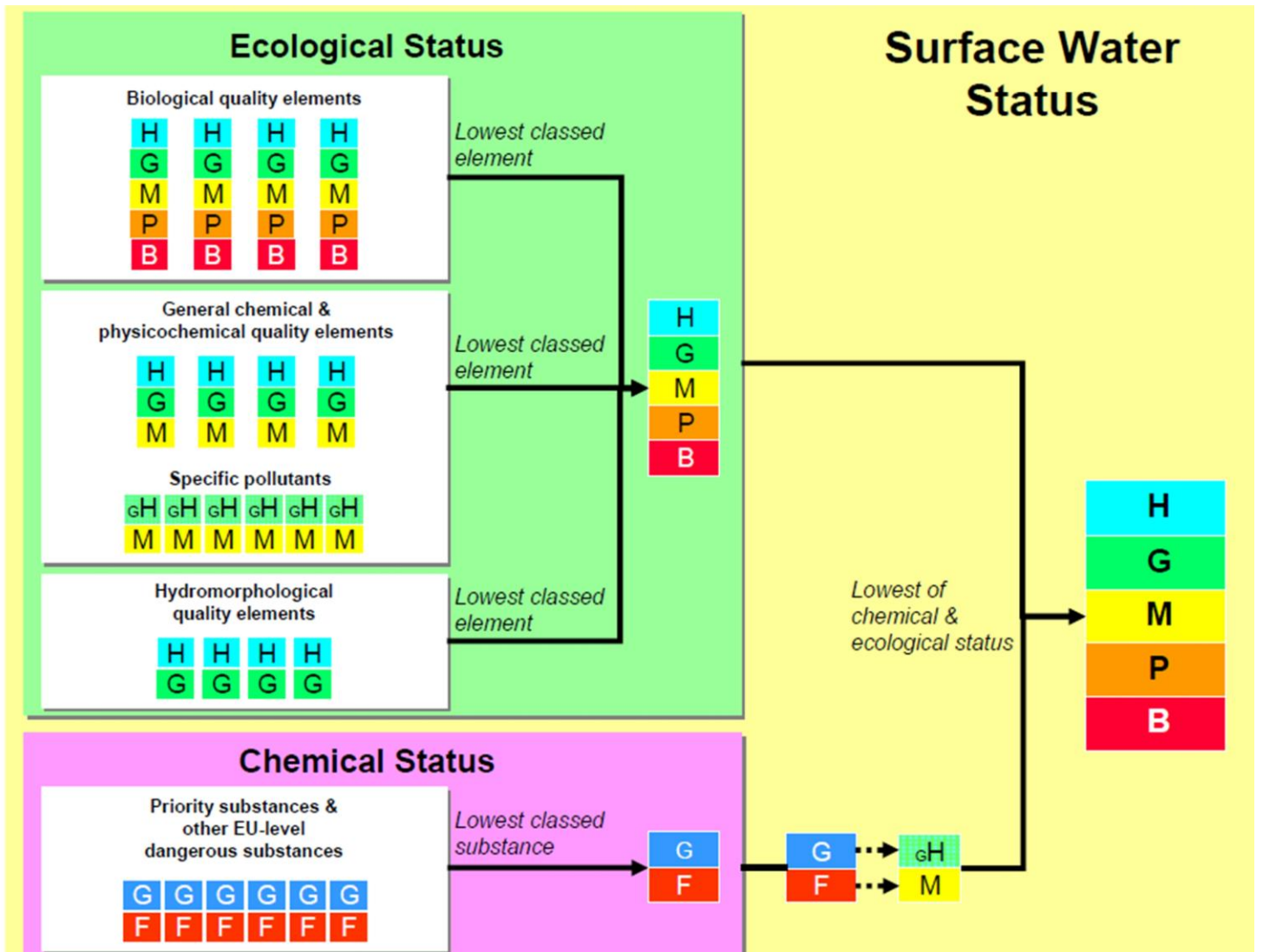


**Local Management Areas**

# Reasons for status for the water bodies within the Belfast Lough LMA

December 2015



**Water body name:** Copeland Water  
**Water body identification code:** UKGBNI1NE050501004  
*This is a heavily modified water body.*  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Moderate ecological potential  
**2027 Objective:** Good ecological potential

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	<b>MEP</b>						
<b>Confidence in overall status:</b>	Unmeasured						

\_\_\_\_\_ Biological elements \_\_\_\_\_

\_\_\_\_\_ Physicochemical elements \_\_\_\_\_

\_\_\_\_\_ Specific pollutants \_\_\_\_\_

\_\_\_\_\_ Hydromorphological elements <sup>1</sup> \_\_\_\_\_

Hydrological regime **Good**  
 Morphological conditions **Good**

\_\_\_\_\_ Priority substances \_\_\_\_\_

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<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphological elements are supporting elements and only contribute to overall classification as either high or good.

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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:** Kilroot River  
**Water body identification code:** UKGBNI1NE050501082  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Good Status  
**2027 Objective:** Good Status

	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	<b>Good</b>						
<b>Confidence in overall status:</b>	High						

Biological elements

Benthic invertebrates	<b>High</b>
Macrophytes	<b>Good</b>
Phytobenthos	<b>Good</b>

Physicochemical elements

Biochemical Oxygen Demand <sup>1</sup>	<b>High</b>
Dissolved Oxygen	<b>High</b>
pH	<b>High</b>
Soluble Reactive Phosphorus	<b>Good</b>

Specific pollutants

Ammonia	<b>Good/High</b>
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Hydromorphological elements <sup>1</sup>

Hydrological regime	<b>High</b>
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Priority substances

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphological 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.

<b>Water body name:</b>	Three Mile Water
<b>Water body identification code:</b>	UKGBNI1NE050501118
<b>River Basin District:</b>	North Eastern
<b>Local management area:</b>	Belfast Lough
<b>2021 Objective:</b>	Moderate Status
<b>2027 Objective:</b>	Good Status

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	<b>Moderate</b>						
<b>Confidence in overall status:</b>	Medium						

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Biological elements

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Benthic invertebrates	<b>Moderate</b>
Macrophytes	<b>High</b>
Phytobenthos	<b>Moderate</b>

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Physicochemical elements

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Biochemical Oxygen Demand <sup>1</sup>	<b>High</b>
Temperature <sup>1</sup>	<b>High</b>
Dissolved Oxygen	<b>High</b>
pH	<b>High</b>
Soluble Reactive Phosphorus	<b>Moderate</b>

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Specific pollutants

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Ammonia	<b>Good/High</b>
Arsenic (dissolved)	<b>Good/High</b>
Chromium (dissolved)	<b>Good/High</b>
Iron (dissolved)	<b>Good/High</b>

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Hydromorphological elements <sup>1</sup>

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Hydrological regime	<b>High</b>
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Priority substances

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Cadmium (dissolved)	<b>Good</b>
Lead (dissolved)	<b>Good</b>
Nickel (dissolved)	<b>Good</b>

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<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphological elements are supporting elements and only contribute to overall classification as either high or good.

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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:** Woodburn River  
**Water body identification code:** UKGBNI1NE050501120  
*This is a heavily modified water body.*  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Moderate ecological potential  
**2027 Objective:** Good ecological potential

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	MEP						
<b>Confidence in overall status:</b>	Low						

Biological elements

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Benthic invertebrates	Good
Macrophytes	Good
Phytobenthos	Good

Physicochemical elements

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Biochemical Oxygen Demand <sup>1</sup>	High
Temperature <sup>1</sup>	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	Moderate

Specific pollutants

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

Hydromorphological elements <sup>1</sup>

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Hydrological regime	Good
Morphological conditions	Good

Priority substances

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

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<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphological elements are supporting elements and only contribute to overall classification as either high or good.

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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:** Crawfordsburn River  
**Water body identification code:** UKGBNI1NE050502083  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Good Status  
**2027 Objective:** Good Status

	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	<b>Moderate</b>						
<b>Confidence in overall status:</b>	Low						

\_\_\_\_\_ Biological elements \_\_\_\_\_

Benthic invertebrates	<b>Moderate</b>
Macrophytes	<b>High</b>
Phytobenthos	<b>Good</b>

\_\_\_\_\_ Physicochemical elements \_\_\_\_\_

Biochemical Oxygen Demand <sup>1</sup>	<b>High</b>
Dissolved Oxygen	<b>High</b>
pH	<b>High</b>
Soluble Reactive Phosphorus	<b>Moderate</b>

\_\_\_\_\_ Specific pollutants \_\_\_\_\_

Ammonia	<b>Good/High</b>
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\_\_\_\_\_ Hydromorphological elements <sup>1</sup> \_\_\_\_\_

Hydrological regime	<b>Good</b>
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\_\_\_\_\_ Priority substances \_\_\_\_\_

<sup>1</sup> BOD and temperature do not contribute to overall classification. Hydromorphological 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:** Ballyholme River  
**Water body identification code:** UKGBNI1NE050502084  
*This is a heavily modified water body.*  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Poor ecological potential  
**2027 Objective:** Good ecological potential

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	<b>BEP</b>						
<b>Confidence in overall status:</b>	Low						

Biological elements

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Benthic invertebrates	Poor
Macrophytes	High
Phytobenthos	Moderate
Fish	Bad

Physicochemical elements

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Biochemical Oxygen Demand <sup>1</sup>	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	Moderate

Specific pollutants

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

Hydromorphological elements <sup>1</sup>

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Hydrological regime	High
Morphological conditions	Good

Priority substances

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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

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<sup>1</sup> 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.

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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:** Belfast Lough Outer  
**Water body identification code:** UKGBNI6NE080  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Good Status  
**2027 Objective:** Good Status

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	Good						
<b>Confidence in overall status:</b>							
Alien Species	Present						
Benthic Invertebrates	Good						
Dissolved inorganic nitrogen	High						
Dissolved oxygen	High						
Hydromorphology	Good						

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.

<b>Water body name:</b>	Belfast Lough Inner
<b>Water body identification code:</b>	UKGBNI6NE090
<b>River Basin District:</b>	North Eastern
<b>Local management area:</b>	Belfast Lough
<b>2021 Objective:</b>	Moderate Status
<b>2027 Objective:</b>	Good Status

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	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	Moderate						
<b>Confidence in overall status:</b>							
Alien Species	Present						
Angiosperms	Moderate						
Benthic Invertebrates	Moderate						
Dissolved inorganic nitrogen	Moderate						
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:** Lough Mourne  
**Water body identification code:** UKGBNI3NE0028  
*This is a heavily modified water body.*  
**River Basin District:** North Eastern  
**Local management area:** Belfast Lough  
**2021 Objective:** Good ecological potential  
**2027 Objective:** Good ecological potential

	2015	2016	2017	2018	2019	2020	2021
<b>Overall status:</b>	MEP						
<b>Confidence in overall status:</b>	High						

Biological elements

Macrophytes	Moderate
Phytobenthos	Good
Phytoplankton	Moderate
Fish	Poor

Physicochemical elements

Dissolved Oxygen	Moderate
Salinity	High
Total Phosphorus	Moderate

Specific pollutants

Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Cypermethrin <sup>2</sup>	Moderate
2,4-D	Good/High
Diazinon	Good/High
Dimethoate	Good/High
Glyphosate	Good/High
Iron (dissolved)	Good/High
Linuron	Good/High
Mecoprop	Good/High
Permethrin	Good/High

Hydromorphological elements <sup>1</sup>

Hydrological regime	Good
Morphological conditions	Good

Priority substances

Atrazine	Good
Cadmium (dissolved)	Good
Chlorpyrifos	Good
Chlorfenvinphos	Good
Diuron	Good

Isoproturon	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good
Simazine	Good

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<sup>1</sup> Hydromorphical elements are supporting elements and only contribute to overall classification as either high or good.

<sup>2</sup> For overall status cypermethrin has been assessed alongside biological elements.

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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.