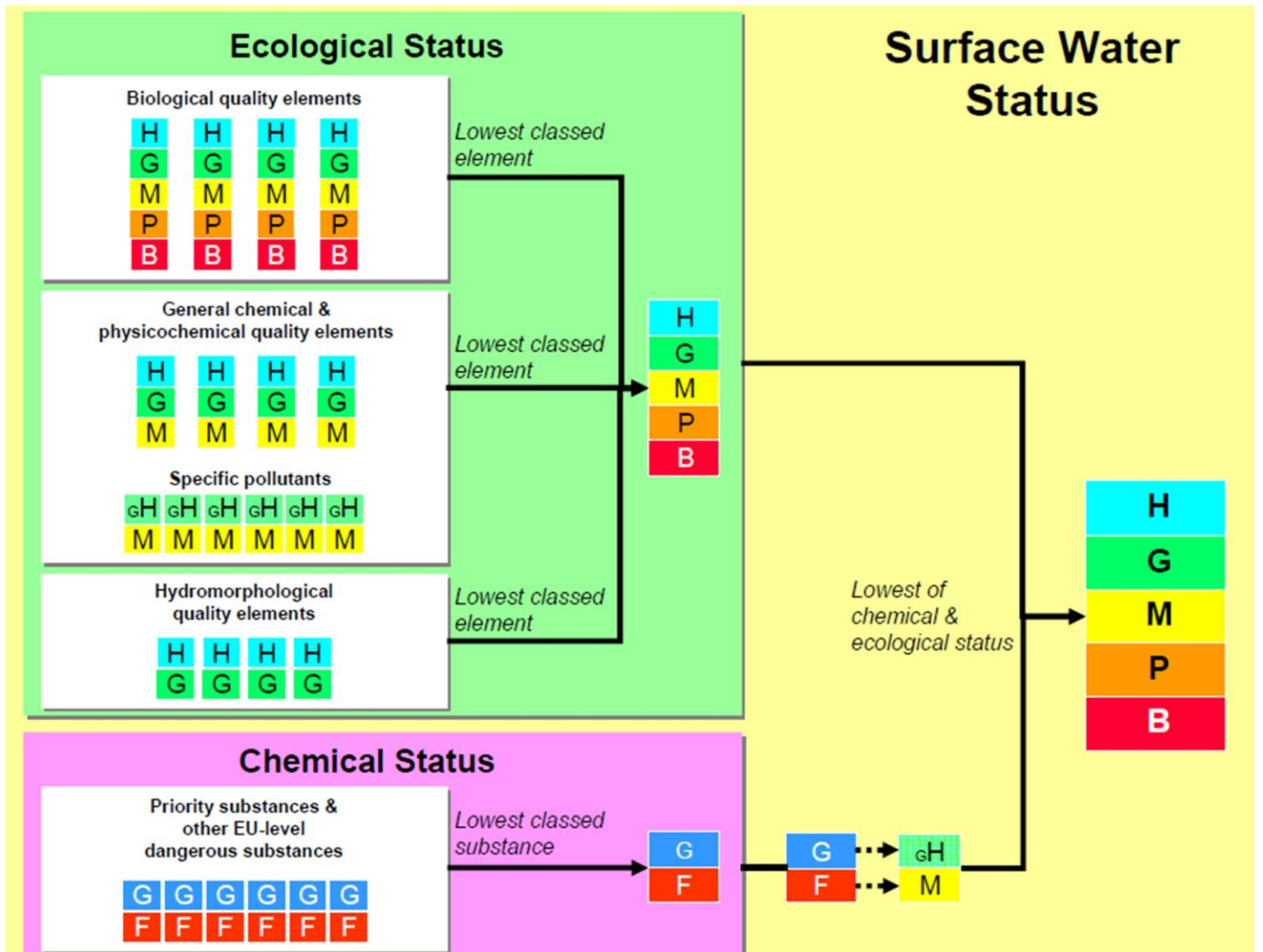


Local Management Areas

Reasons for status for the water bodies within the Moyola LMA

December 2015



Water body name: Altagoan Burn
Water body identification code: UKGBNI1NB030303002
River Basin District: Neagh Bann
Local management area: Moyola
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	Good
Macrophytes	Good
Phytobenthos	Good
Fish	Moderate

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Good/High
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_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

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:	Keenaght Water
Water body identification code:	UKGBNI1NB030303004
River Basin District:	Neagh Bann
Local management area:	Moyola
2021 Objective:	Good Status
2027 Objective:	Good Status

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

_____ Biological elements _____

Benthic invertebrates	High
Macrophytes	Good
Phytobenthos	High

_____ Physicochemical elements _____

_____ Specific pollutants _____

_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

¹ 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: Back Burn
Water body identification code: UKGBNI1NB030303009
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good Status
2027 Objective: Good Status

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

_____ Biological elements _____

Benthic invertebrates	Moderate
Macrophytes	Poor
Phytobenthos	Good

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Good/High
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_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

¹ 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: Grange Water (Longfield)
Water body identification code: UKGBNI1NB030303143
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good Status
2027 Objective: Good Status

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

_____ Biological elements _____

Benthic invertebrates	High
Macrophytes	Good
Phytobenthos	Good

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Good/High
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_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

¹ 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: Magherafelt Burn
Water body identification code: UKGBNI1NB030303144
This is a heavily modified water body.
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good ecological potential
2027 Objective: Good ecological potential

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

Biological elements

Benthic invertebrates	Moderate
Macrophytes	High
Phytobenthos	Good

Physicochemical elements

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

Specific pollutants

Ammonia	Good/High
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Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

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: Moyola River (Castledawson)
Water body identification code: UKGBNI1NB030303154
River Basin District: Neagh Bann
Local management area: Moyola
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	High
Macrophytes	High
Phytobenthos	Good

_____ 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

_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ 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:	Back Burn
Water body identification code:	UKGBNI1NB030303167
River Basin District:	Neagh Bann
Local management area:	Moyola
2021 Objective:	Good Status
2027 Objective:	Good Status

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

Biological elements

Benthic invertebrates	High
Macrophytes	Good
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
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Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

¹ 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:	Glengomna Water
Water body identification code:	UKGBNI1NB030303210
River Basin District:	Neagh Bann
Local management area:	Moyola
2021 Objective:	Good Status
2027 Objective:	Good Status

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

_____ Biological elements _____

Benthic invertebrates	High
Macrophytes	High
Phytobenthos	High

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Good/High
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_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

¹ 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: Milltown Burn
Water body identification code: UKGBNI1NB030303226
River Basin District: Neagh Bann
Local management area: Moyola
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	Good
Macrophytes	Moderate
Phytobenthos	Moderate
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
3,4-dichloroaniline	Good/High
Iron (dissolved)	Good/High
Pendimethalin	Good/High
Toluene	Good/High

Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

Alachlor	Good
Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Cyclodiene pesticides	Good
p,p'-DDT	Good
DDT (total)	Good
Diethylhexylphthalate	Good

Endosulphan	Good
Hexachlorobenzene	Good
Hexachlorocyclohexane (total)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good
Pentachlorobenzene	Good
Trifluralin	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: Douglas River
Water body identification code: UKGBNI1NB030303227
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good Status
2027 Objective: Good Status

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

_____ Biological elements _____

Benthic invertebrates	High
Macrophytes	High
Phytobenthos	High

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Good/High
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_____ Hydromorphological elements ¹ _____

Hydrological regime	High
Morphological conditions	Good

_____ Priority substances _____

¹ 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: Moyola River (Tobermore)
Water body identification code: UKGBNI1NB030303228
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	High
Macrophytes	High
Phytobenthos	Good
Fish	Moderate

Physicochemical elements

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

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	Good
Morphological conditions	Good

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (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: Moyola River (Straw)
Water body identification code: UKGBNI1NB030308205
This is a heavily modified water body.
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good ecological potential
2027 Objective: Good ecological potential

	2015	2016	2017	2018	2019	2020	2021
Overall status:	MEP						
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	High

Specific pollutants

Ammonia	Good/High
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Hydromorphological elements ¹

Hydrological regime	Good
Morphological conditions	Good

Priority substances

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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: Grange Water (Curran)
Water body identification code: UKGBNI1NB030308206
River Basin District: Neagh Bann
Local management area: Moyola
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	Moderate
Macrophytes	Moderate
Phytobenthos	Good

Physicochemical elements

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

Specific pollutants

Ammonia	Good/High
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Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

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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: Moyola River (Six Towns)
Water body identification code: UKGBNI1NB030303241
River Basin District: Neagh Bann
Local management area: Moyola
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	Good
Macrophytes	High
Phytobenthos	Good
Fish	Good

Physicochemical elements

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

Specific pollutants

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

Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

Atrazine	Good
Cadmium (dissolved)	Good
Chlorpyrifos	Good
Diuron	Good

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

² For overall status cypermethrin has been assessed alongside biological elements.

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: Lough Fea
Water body identification code: UKGBNI3NB0027
This is a heavily modified water body.
River Basin District: Neagh Bann
Local management area: Moyola
2021 Objective: Good ecological potential
2027 Objective: Good ecological potential

	2015	2016	2017	2018	2019	2020	2021
Overall status:	GEP						
Confidence in overall status:	High						

Biological elements

Macrophytes	Good
Phytobenthos	High
Phytoplankton	High

Physicochemical elements

Dissolved Oxygen	Good
Salinity	High
Total Phosphorus	High

Specific pollutants

Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Cypermethrin ²	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 ¹

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

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

² For overall status cypermethrin has been assessed alongside biological elements.

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.