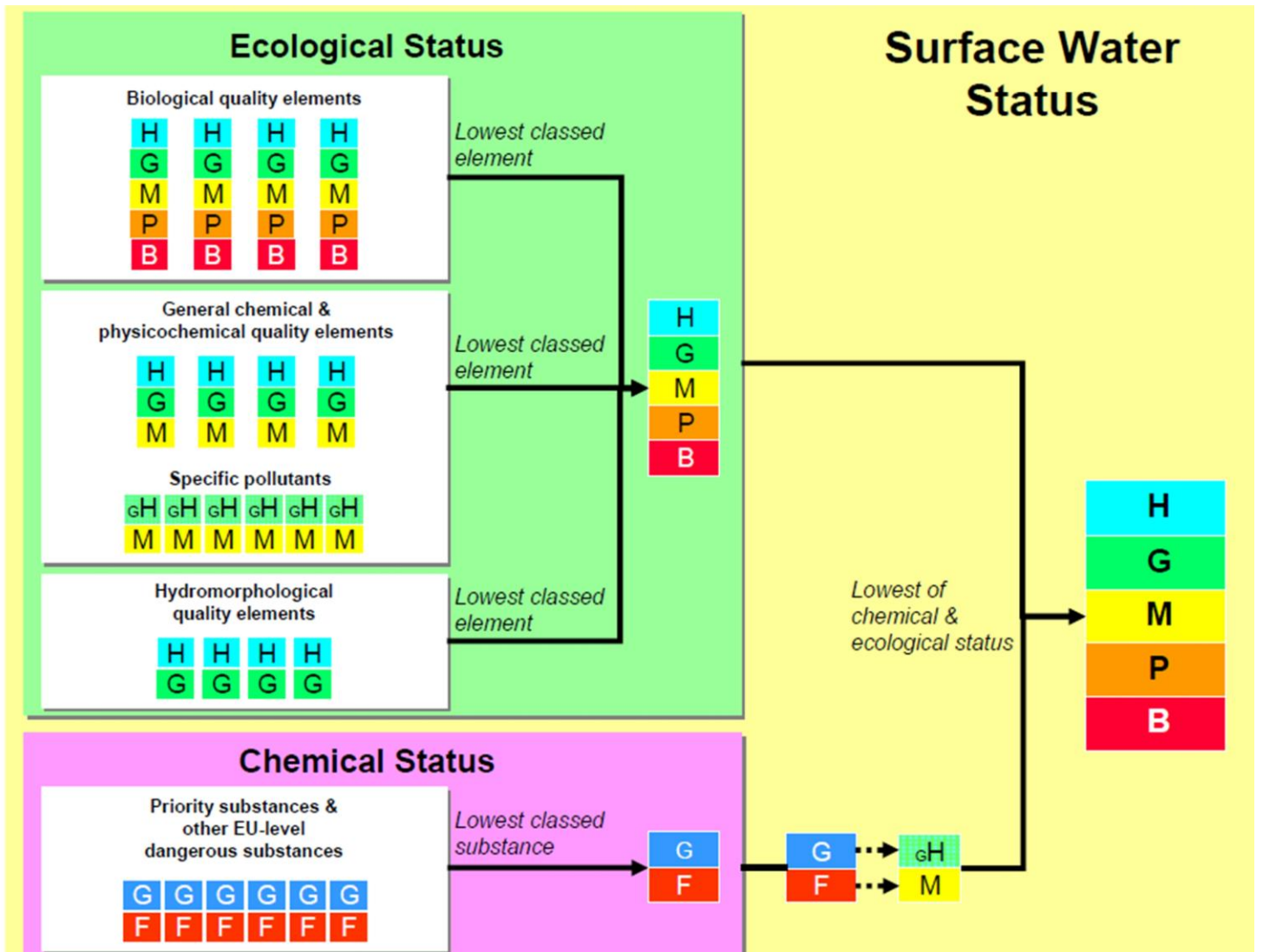


Local Management Areas

Reasons for status for the water bodies within the Ballinderry LMA

December 2015



Water body name: Kildress Stream
Water body identification code: UKGBNI1NB030304054
River Basin District: Neagh Bann
Local management area: Ballinderry
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	Moderate

_____ Physicochemical elements _____

Biochemical Oxygen Demand ¹	Good
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

_____ 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: Drummard Stream
Water body identification code: UKGBNI1NB030304056
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	Moderate
Macrophytes	High
Phytobenthos	Good

Physicochemical elements

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

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: Ballymully River Tributary (Feenan More)
Water body identification code: UKGBNI1NB030304057
River Basin District: Neagh Bann
Local management area: Ballinderry
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	Good
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: Killymoon River
Water body identification code: UKGBNI1NB030304061
River Basin District: Neagh Bann
Local management area: Ballinderry
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	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:	Gortin Water
Water body identification code:	UKGBNI1NB030304062
River Basin District:	Neagh Bann
Local management area:	Ballinderry
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	Moderate

Physicochemical elements

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

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: Ballinderry River (Derrygonnigan)
Water body identification code: UKGBNI1NB030304063
River Basin District: Neagh Bann
Local management area: Ballinderry
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	Moderate
Temperature ¹	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	Moderate

Specific pollutants

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

Hydromorphological elements ¹

Hydrological regime	Good
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: Claggan River
Water body identification code: UKGBNI1NB030304097
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	Moderate
Macrophytes	Good
Phytobenthos	High

Physicochemical elements

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

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: Ballymully River (Ratheane)
Water body identification code: UKGBNI1NB030304133
River Basin District: Neagh Bann
Local management area: Ballinderry
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	High

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: Ballymully River (Ballygonny)
Water body identification code: UKGBNI1NB030304134
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Moderate 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	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:	Ballinderry River (Coagh)
Water body identification code:	UKGBNI1NB030304136
River Basin District:	Neagh Bann
Local management area:	Ballinderry
2021 Objective:	Good Status
2027 Objective:	Good Status

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

Biological elements

Benthic invertebrates	Good
Macrophytes	Good
Phytobenthos	Good
Fish	Good

Physicochemical elements

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

Specific pollutants

Ammonia	Good/High
Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
3,4-dichloroaniline	Good/High
2,4-dichlorophenol	Good/High
Iron (dissolved)	Good/High
Pendimethalin	Good/High
Phenol	Good/High
Toluene	Good/High

Hydromorphological elements ¹

Hydrological regime	High
Morphological conditions	Good

Priority substances

Alachlor	Good
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
C10 - C13 chloroalkanes	Good
Cadmium (dissolved)	Good
Cyclodiene pesticides	Good
p,p'-DDT	Good
DDT (total)	Good
Diethylhexylphthalate	Good
Endosulphan	Good
Fluoranthene	Good
Hexachlorobenzene	Good
Hexachlorocyclohexane (total)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Naphthalene	Good
Nickel (dissolved)	Good
Nonylphenol	Good
Octylphenol	Good
Pentachlorobenzene	Good
Pentachlorophenol	Good
Trifluralin	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: Ballynargan Stream
Water body identification code: UKGBNI1NB030304137
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Moderate Status
2027 Objective: Good Status

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

_____ Biological elements _____

Benthic invertebrates	Poor
Macrophytes	Good
Phytobenthos	High

_____ Physicochemical elements _____

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

_____ Specific pollutants _____

Ammonia	Moderate
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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: Kingsmill River
Water body identification code: UKGBNI1NB030304138
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Moderate 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	Good
Phytobenthos	High

Physicochemical elements

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

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: Tulnacross River
Water body identification code: UKGBNI1NB030304176
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	High
Macrophytes	Good
Phytobenthos	Good

Physicochemical elements

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

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. 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: Rock River
Water body identification code: UKGBNI1NB030304177
River Basin District: Neagh Bann
Local management area: Ballinderry
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	Good
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: Tullyaran Tributary
Water body identification code: UKGBNI1NB030304181
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Moderate Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	Moderate
Macrophytes	Good
Phytobenthos	High

Physicochemical elements

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

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. 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:	Ballinderry River (Dunamore)
Water body identification code:	UKGBNI1NB030304240
River Basin District:	Neagh Bann
Local management area:	Ballinderry
2021 Objective:	Moderate Status
2027 Objective:	Moderate Status

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

Biological elements

Benthic invertebrates	Good
Macrophytes	Good
Phytobenthos	High

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: Ballinderry River (Cookstown)
Water body identification code: UKGBNI1NB030308230
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Moderate Status
2027 Objective: Moderate Status

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

Biological elements

Benthic invertebrates	Good
Macrophytes	High
Phytobenthos	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

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: Lissan Water
Water body identification code: UKGBNI1NB030308231
River Basin District: Neagh Bann
Local management area: Ballinderry
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Benthic invertebrates	Good
Macrophytes	High
Phytobenthos	Good

Physicochemical elements

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

Specific pollutants

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

Hydromorphological elements ¹

Hydrological regime	Good
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: Coolmaghery Tributary
Water body identification code: UKGBNI1NB030308232
River Basin District: Neagh Bann
Local management area: Ballinderry
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	Good
Temperature ¹	High
Dissolved Oxygen	Good
pH	High
Soluble Reactive Phosphorus	Moderate

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.