Local Management Areas

Reasons for status for the water bodies within the Lough Melvin and Arney LMA

December 2015

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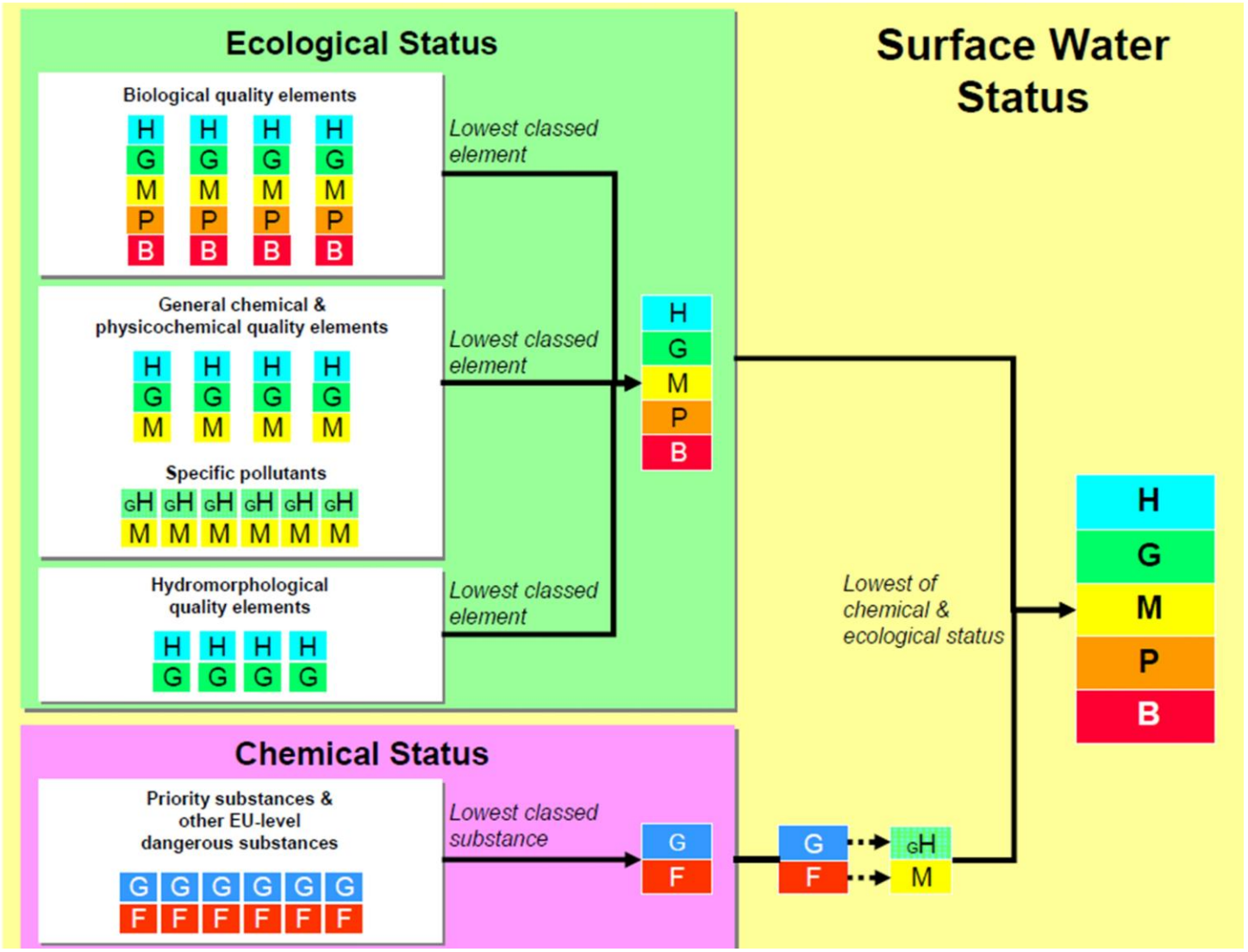
Ecological Status
Biological quality elements
H G M P B
H G M P B
H G M P B
H G M P B
Lowest classed element
General chemical & physicochemical quality elements
H G M
H G M
H G M
H G M
Specific pollutants
GH GH GH GH GH GH
M M M M M M
Lowest classed element
Hydromorphological quality elements
H G
H G
H G
H G
Lowest classed element
H G M P B
Surface Water Status
Lowest of chemical & ecological status
H G M P B
Chemical Status
Priority substances & other EU-level dangerous substances
G G G G G G
F F F F F F
Lowest classed substance
G F
G F
GH M

Water body name:	Roogagh River
Water body identification code:	UKGBNI1NW353504065
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	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
Iron (dissolved)	Good/High
Toluene	Good/High

Hydromorphological elements [1]

Hydrological regime	High
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.

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Water body name:	Lurgan River
Water body identification code:	UKGBNI1NW363601007
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	High
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	High
Morphological conditions	Good

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	Boho Tributary
Water body identification code:	UKGBNI1NW363601010
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	High Status
2027 Objective:	High Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	High						
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						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Sillees River (Drumkeen)
Water body identification code:	UKGBNI1NW363601044
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Good
Macrophytes	Good
Phytobenthos	Good
Fish	Poor

Physicochemical elements

Biochemical Oxygen Demand [1]	High
Temperature [1]	High
Dissolved Oxygen	Good
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

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	Florencecourt River
Water body identification code:	UKGBNI1NW363601049
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	HighStatus
2027 Objective:	High Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	High						
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						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Screenagh River
Water body identification code:	UKGBNI1NW363601055
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Good						
Phytobenthos	High						
Physicochemical elements							
Biochemical Oxygen Demand [1]	High						
Temperature [1]	High						
Dissolved Oxygen	Good						
pH	High						
Soluble Reactive Phosphorus	High						
Specific pollutants							
Ammonia	Good/High						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Sillees River (Derrygonnelly)
Water body identification code:	UKGBNI1NW363601056
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Moderate						
Phytobenthos	Moderate						
Physicochemical elements							
Biochemical Oxygen Demand [1]	High						
Temperature [1]	Good						
Dissolved Oxygen	Moderate						
pH	High						
Soluble Reactive Phosphorus	High						
Specific pollutants							
Ammonia	Good/High						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Sillees River (Lough Navar Forest)
Water body identification code:	UKGBNI1NW363601073
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Moderate						
Phytobenthos	Moderate						
Physicochemical elements							
Biochemical Oxygen Demand [1]	High						
Temperature [1]	Good						
Dissolved Oxygen	Moderate						
pH	High						
Soluble Reactive Phosphorus	High						
Specific pollutants							
Ammonia	Good/High						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Carrick Lough Feeder
Water body identification code:	UKGBNI1NW363601074
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Moderate						
Phytobenthos	Moderate						
Physicochemical elements							
Biochemical Oxygen Demand [1]	High						
Temperature [1]	Good						
Dissolved Oxygen	Moderate						
pH	High						
Soluble Reactive Phosphorus	High						
Specific pollutants							
Ammonia	Good/High						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	Sillees River (Carr)
Water body identification code:	UKGBNI1NW363604058
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	High
Macrophytes	Moderate
Phytobenthos	Good
Fish	Poor

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	High
Morphological conditions	Good

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	Arney River
Water body identification code:	UKGBNI1NW363604059
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	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	High

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	Shannon River
Water body identification code:	UKGBNI1NW262601001
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	Good Status
2027 Objective:	Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:							
Confidence in overall status:	Unmeasured						
Biological elements							
Physicochemical elements							
Specific pollutants							
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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Water body name:	County River (Carran West)
Water body identification code:	UKGBNI1NW353504075
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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
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
Iron (dissolved)	Good/High
Toluene	Good/High

Hydromorphological elements [1]

Hydrological regime	High
Morphological conditions	Good

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	County River (Lattone)
Water body identification code:	UKGBNI1NW353504076
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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						
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						
Iron (dissolved)	Good/High						
Toluene	Good/High						
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							
Benzene	Good						
Brominated diphenylether	Good						
Cadmium (dissolved)	Good						
Lead (dissolved)	Good						
Mercury (dissolved)	Good						
Nickel (dissolved)	Good						

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Water body name:	Bradoge River
Water body identification code:	UKGBNI1NW353504077
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	Good Status
2027 Objective:	Good Status

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

Biological elements

Physicochemical elements

Specific pollutants

Hydromorphological elements [1]

Hydrological regime High

Priority substances

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Water body name:	Drowes River
Water body identification code:	UKGBNI1NW353504082
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	Good Status
2027 Objective:	Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Good						
Confidence in overall status:	Unmeasured						
Biological elements							
Physicochemical elements							
Specific pollutants							
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Black River
Water body identification code:	UKGBNI1NW363601036
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	High
Morphological conditions	Good

Priority substances

Benzene	Good
Brominated diphenylether	Good
Cadmium (dissolved)	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Nickel (dissolved)	Good

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Water body name:	Cladagh River
Water body identification code:	UKGBNI1NW363601084
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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
Fish	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
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

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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Belcoo River
Water body identification code:	UKGBNI1NW363602092
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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	Good						
Phytobenthos	Good						
Physicochemical elements							
Biochemical Oxygen Demand [1]	High						
Temperature [1]	Good						
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						
Priority substances							
Cadmium (dissolved)	Good						
Lead (dissolved)	Good						
Nickel (dissolved)	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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Drumharriff Burn
Water body identification code:	UKGBNI1NW363602093
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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							
Specific pollutants							
Hydromorphological elements [1]							
Hydrological regime	High						
Priority substances							

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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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Upper Lough Macnean
Water body identification code:	UKGBNI3NW0011
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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							
Macrophytes	Moderate						
Phytobenthos	Good						
Phytoplankton	Good						
Fish	Good						
Physicochemical elements							
Dissolved Oxygen	Moderate						
Salinity	High						
Total Phosphorus	Good						
Specific pollutants							
Hydromorphological elements [1]							
Hydrological regime	Good						
Morphological conditions	Good						
Priority substances							

[1] 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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Lough Melvin
Water body identification code:	UKGBNI3NW0033
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
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

Macrophytes	Moderate
Phytobenthos	High
Phytoplankton	Good
Fish	Good

Physicochemical elements

Dissolved Oxygen	Good
Salinity	High
Total Phosphorus	Good

Specific pollutants

Hydromorphological elements [1]

Hydrological regime	High
Morphological conditions	High

Priority substances

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[1] 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.

This water body is shared with the Republic of Ireland. Whilst individual results shown above relate to monitoring carried out within Northern Ireland, the overall status assessment has been jointly agreed by the two jurisdictions.

Water body name:	Lower Lough Macnean
Water body identification code:	UKGBNI3NW0014
River Basin District:	North Western
Local management area:	Lough Melvin and Arney
2021 Objective:	Poor Status
2027 Objective:	Moderate Status

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

Biological elements

Macrophytes	Bad
Phytobenthos	Good
Phytoplankton	High
Fish	Poor

Physicochemical elements

Dissolved Oxygen	High
Salinity	High
Total Phosphorus	Good

Specific pollutants

Hydromorphological elements [1]

Hydrological regime	High
Morphological conditions	Good

Priority substances

[1] 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.