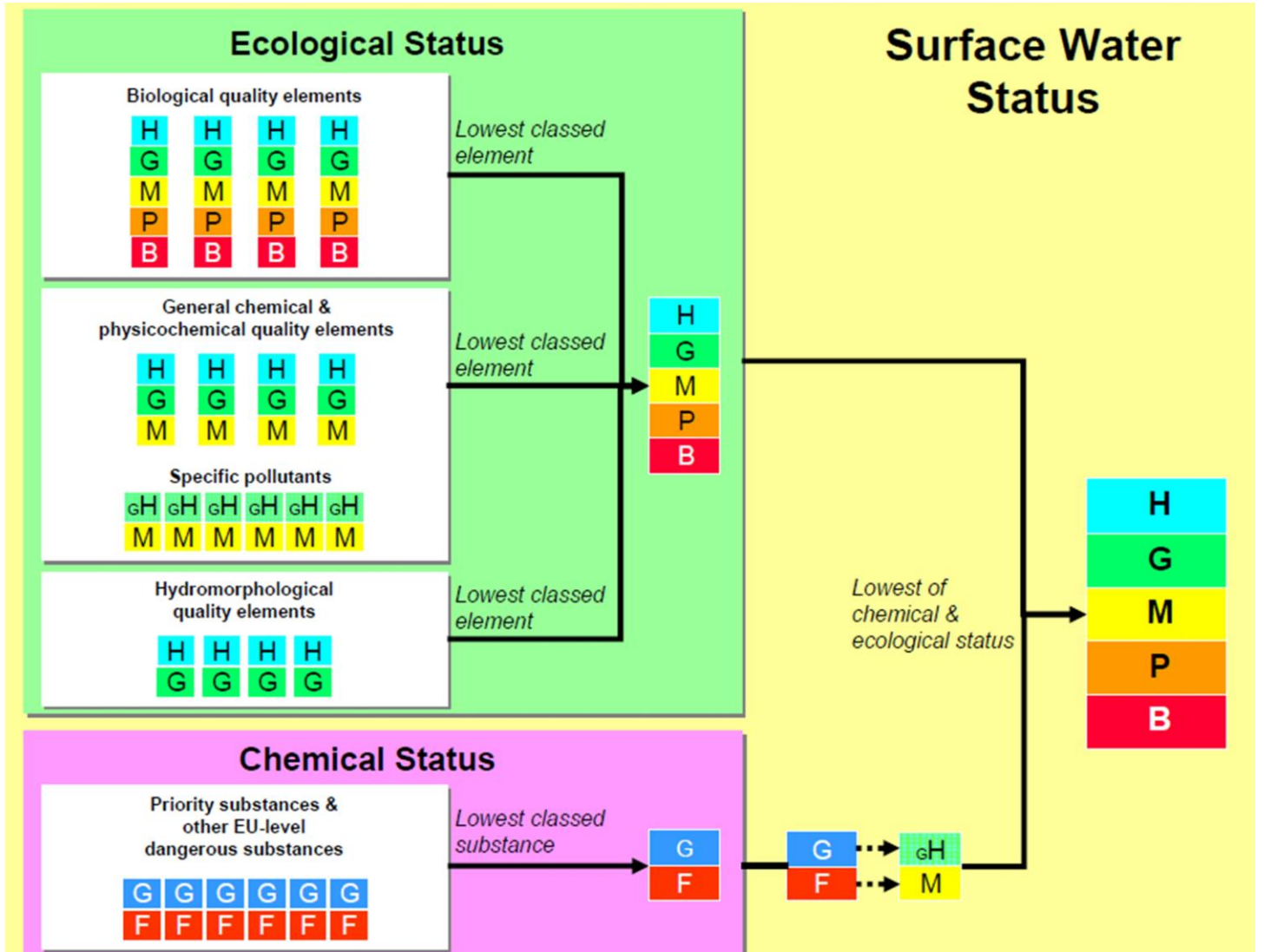**Local Management Areas**

Reasons for status for the water bodies within the Burn Dennet and Foyle LMA

December 2015

Water body name: Burn Dennet River (Dunnamanagh)
Water body identification code: UKGBNI1NW010101045
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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

	2015
Benthic invertebrates	Good
Phytobenthos	High

Physicochemical elements

	2015
Biochemical Oxygen Demand [1]	High
Temperature [1]	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	High

Specific pollutants

	2015
Ammonia	Good/High
Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Iron (dissolved)	Good/High

Hydromorphological elements [1]

	2015
Hydrological regime	High

Priority substances

	2015
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: Altinaghrea Burn
Water body identification code: UKGBNI1NW010101069
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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						
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						
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						

[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:	Burn Dennet River (Ballynamallaght)
Water body identification code:	UKGBNI1NW010101071
River Basin District:	North Western
Local management area:	Burn Dennet and Foyle
2021 Objective:	Good Status
2027 Objective:	Good Status

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

Biological elements

	2015	2016	2017	2018	2019	2020	2021
Benthic invertebrates	High						
Macrophytes	High						
Phytobenthos	High						

Physicochemical elements

	2015	2016	2017	2018	2019	2020	2021
Biochemical Oxygen Demand [1]	High						
Temperature [1]	High						
Dissolved Oxygen	High						
pH	High						
Soluble Reactive Phosphorus	High						

Specific pollutants

	2015	2016	2017	2018	2019	2020	2021
Ammonia	Good/High						
Arsenic (dissolved)	Good/High						
Chromium (dissolved)	Good/High						
Iron (dissolved)	Good/High						

Hydromorphological elements [1]

	2015	2016	2017	2018	2019	2020	2021
Hydrological regime	High						

Priority substances

	2015	2016	2017	2018	2019	2020	2021
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: Glenmornan River
Water body identification code: UKGBNI1NW010101075
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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						
Fish	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						
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						

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: Sandville Burn
Water body identification code: UKGBNI1NW010101076
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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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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: Burn Dennet River (Milltown)
Water body identification code: UKGBNI1NW010101070
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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

	2015
Benthic invertebrates	Good
Macrophytes	Good
Phytobenthos	High
Fish	Moderate

Physicochemical elements

	2015
Biochemical Oxygen Demand [1]	High
Temperature [1]	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	High

Specific pollutants

	2015
Ammonia	Good/High
Arsenic (dissolved)	Good/High
Chromium (dissolved)	Good/High
Cypermethrin [2]	Moderate
2,4-D	Good/High
Diazinon	Moderate
3,4-dichloroaniline	Good/High
2,4-dichlorophenol	Good/High
Glyphosate	Good/High
Iron (dissolved)	Good/High
Linuron	Good/High
Mecoprop	Good/High
Pendimethalin	Good/High
Permethrin	Good/High
Phenol	Good/High
Toluene	Good/High
Triclosan	Good/High

Hydromorphological elements [1]

	2015
Hydrological regime	High
Morphological conditions	Good

Alachlor	Good
Anthracene	Good
Atrazine	Good
Benzene	Good
Benzo-a-pyrene	Good
Brominated diphenylether	Good
Benzo(b)fluoranthene	Fail
Benzo(k)fluoranthene	Fail
Benzo(g,h,i)perylene	Fail
C10 - C13 chloroalkanes	Good
Cadmium (dissolved)	Good
Carbon tetrachloride	Good
Chlorpyriphos	Good
Trichloromethane (chloroform)	Good
Cyclodiene pesticides	Good
p,p'-DDT	Good
DDT (total)	Good
1,2-dichloroethane	Good
Dichloromethane	Good
Diethylhexylphthalate	Good
Diuron	Good
Endosulphan	Good
Fluoranthene	Good
Hexachlorobenzene	Good
Hexachlorobutadiene	Good
Hexachlorocyclohexane (total)	Good
Isoproturon	Good
Lead (dissolved)	Good
Mercury (dissolved)	Good
Naphthalene	Good
Nickel (dissolved)	Good
Nonylphenol	Good
Octylphenol	Good
Pentachlorobenzene	Good
Pentachlorophenol	Good
Simazine	Good
Tetrachloroethylene	Good
Tributyltin	Good
Trichlorobenzenes (total)	Good
Trichloroethylene	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.

[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: Dunnyboe Burn
Water body identification code: UKGBNI1NW010101072
River Basin District: North Western
Local management area: Burn Dennet and Foyle
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

	2015
Benthic invertebrates	High
Macrophytes	High
Phytobenthos	High
Fish	High

Physicochemical elements

	2015
Biochemical Oxygen Demand [1]	High
Temperature [1]	High
Dissolved Oxygen	High
pH	High
Soluble Reactive Phosphorus	High

Specific pollutants

	2015
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]

	2015
Hydrological regime	High
Morphological conditions	Good

Priority substances

	2015
Atrazine	Good
Cadmium (dissolved)	Good
Chlorpyriphos	Good
Diuron	Good

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

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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: Carrigans River
Water body identification code: UKGBNI1NW010103062
River Basin District: North Western
Local management area: Burn Dennet and Foyle
2021 Objective: Good Status
2027 Objective: Good Status

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

Biological elements

Physicochemical elements

Specific pollutants

Hydromorphological elements ¹

Hydrological regime — High

Priority substances

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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: Skeoge River
Water body identification code: UKGBNI1NW393901002
This is a heavily modified water body.

River Basin District: North Western
Local management area: Burn Dennet and Foyle
2021 Objective: Moderate ecological potential
2027 Objective: Good ecological potential

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

Biological elements

Benthic invertebrates	Poor
Macrophytes	Good
Phytobenthos	High
Fish	Poor

Physicochemical elements

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

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)	Good
Naphthalene	Good
Nickel (dissolved)	Good

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[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:	Upper Foyle
Water body identification code:	UKGBNI5NW250030

River Basin District:	North Western
Local management area:	Burn Dennet and Foyle
2021 Objective:	Moderate Status
2027 Objective:	Good Status

	2015	2016	2017	2018	2019	2020	2021
Overall status:	Moderate						
Confidence in overall status:							
Alien Species	Absent						
Benthic Invertebrates	Moderate						
Dissolved inorganic nitrogen	Poor						
Dissolved oxygen	High						
Hydromorphology	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: Foyle Harbour and Faughan

Water body identification code: UKGBNI5NW250040

This is a heavily modified water body.

River Basin District: North Western

Local management area: Burn Dennet and Foyle

2021 Objective: Moderate ecological potential

2027 Objective: Good ecological potential

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

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

Water body name: Lough Foyle
Water body identification code: UKGBNI6NW250

River Basin District: North Western
Local management area: Burn Dennet and Foyle
2021 Objective: Good Status
2027 Objective: Good Status

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

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