Local Management Areas

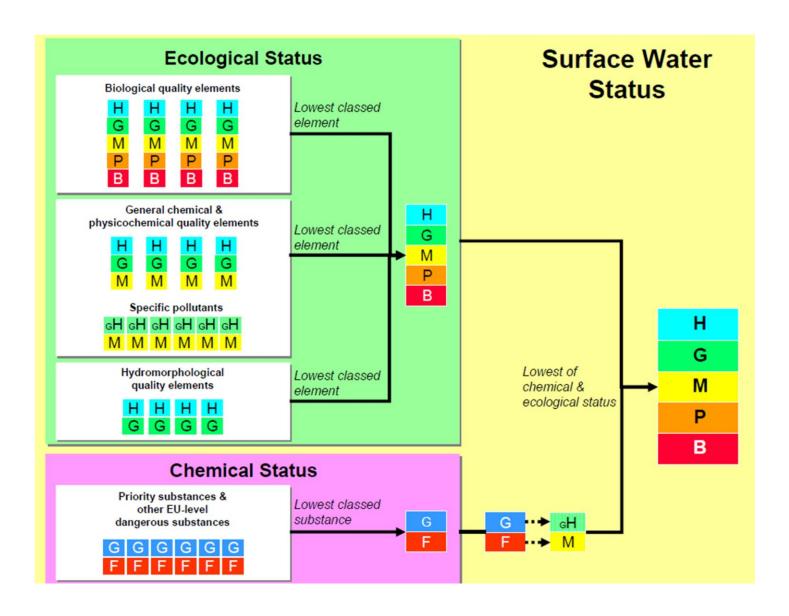
Reasons for status for the water bodies within the Bush LMA

December 2015









2027 Objective:	Good	Status					
Overall status: Confidence in overall status:	2015 Moderate Medium	2016	2017	2018	2019	2020	2021
	Biolog	lical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Moderate High Good						
	Physicoch	nemical	elements	S			_
Biochemical Oxygen Demand ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Good Speci	ific pollu	ants				
		o polici					
Ammonia	Good/High						
	_Hydromorph	nological	element	ts 1			
Hydrological regime	High						
	Priorit	y substa	inces				
¹ BOD and temperature do not consupporting elements and only consumptions.				•	•		nts are

Dunseverick River

North Eastern

Good Status

Bush

UKGBNI1NE040403034

Water body name:

River Basin District:

2021 Objective:

Local management area:

Water body identification code:

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.

2021 Objective: 2027 Objective:		Status					
Overall status: Confidence in overall status:	2015 Moderate Medium	2016	2017	2018	2019	2020	2021
	Biolog	ical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Good <mark>Moderate</mark> High						
	Physicoch	nemical	elements	3			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Moderate High High	fia pallur	tonto				
	·	nc ponu	tants				
Ammonia	Good/High _Hydromorph	ological	element	ts ¹			
Hydrological regime	Good						
	Priorit	y substa	inces				
¹ BOD and temperature do not co	ontribute to ov	/erall cla	assificatio	on. Hydro	omorphic	al eleme	nts are

Bush River (Armoy)

North Eastern

Bush

UKGBNI1NE040404001

Water body name:

River Basin District:

Local management area:

Water body identification code:

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.

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

2021 Objective: 2027 Objective:		Status Status					
Overall status: Confidence in overall status:	2015 <mark>Moderate</mark> Low	2016	2017	2018	2019	2020	2021
	Biolog	jical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Good High Good —Physicoch	nemical (elements				
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	Good High Moderate High Moderate	ionnour v	oiomome				_
	Spec	ific pollu	tants				
Ammonia	Good/High						
	_Hydromorph	nological	element	:s ¹			
Hydrological regime	High						
	Priorit	y substa	inces				
¹ BOD and temperature do not co supporting elements and only cor							nts are

Dervock River (Ballynagor) UKGBNI1NE040404002

North Eastern

Bush

Water body name:

River Basin District:

2021 Objective:

Local management area:

Water body identification code:

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.

2021 Objective: 2027 Objective:		Status Status					
Overall status: Confidence in overall status:	2015 <mark>Moderate</mark> Low	2016	2017	2018	2019	2020	2021
	Biolog	jical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Good High Good						
	Physicoch	nemical	elements	3			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	Good High Moderate High Moderate						
	Spec	ific pollu	tants				
Ammonia	Good/High						
	_Hydromorph	nological	element	:s ¹			
Hydrological regime	High						
	Priorit	y substa	inces				
BOD and temperature do not co supporting elements and only cor							nts are

Dervock River (Dervock)

UKGBNI1NE040404004

North Eastern

Bush

Water body name:

River Basin District:

2021 Objective:

Local management area:

Water body identification code:

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.

Overall status: Confidence in overall status:	2015 Moderate Medium	2016	2017	2018	2019	2020	2021
	Biolog	jical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	Good Moderate Good						
	Physicocl	hemical	elements	5			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Moderate High Good						
	Spec	ific pollu	tants				
Ammonia	Good/High						
	_Hydromorph	nological	elemen	ts ¹			
Hydrological regime	High						
	Priorit	ty substa	inces				

Moss-side Water

North Eastern

Good Status

Good Status

Bush

UKGBNI1NE040404035

Water body name:

2021 Objective:

2027 Objective:

River Basin District:

Local management area:

Water body identification code:

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.

Water body name: Liscolman Feeder Water body identification code: UKGBNI1NE040404036 **River Basin District:** North Eastern Local management area: Bush 2021 Objective: Moderate Status 2027 Objective: **Good Status** 2016 2017 2018 2019 2015 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 Good Temperature 1 High Dissolved Oxygen Good High рΗ Soluble Reactive Phosphorus Moderate _Specific pollutants_____ Good/High Ammonia 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

Good

Nickel (dissolved)

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.

2027 Objective:	Good	Status					
Overall status: Confidence in overall status:	2015 Moderate Medium Biolog	2016 ical elen	2017	2018	2019	2020	2021
Benthic invertebrates Macrophytes Phytobenthos	Good Moderate High Physicoch						_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Good High High						
	Speci	fic pollut	ants				
Ammonia	Good/High						
	_Hydromorph	nological	element	ts ¹			
Hydrological regime	High						
	Priorit	y substa	nces				
1 DOD and to man and the land to		H-II « ! -	:6::			al alams	
¹ BOD and temperature do not co	Ontribute to 0	verali cia	issificatio	on. Hyara	oingronic	aı eleme	nıs are

Well Water

Bush

North Eastern

Good Status

UKGBNI1NE040404038

Water body name:

2021 Objective:

River Basin District:

Local management area:

Water body identification code:

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.

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

2021 Objective:		d Status d Status					
Overall status: Confidence in overall status:	2015 Good High	2016	2017	2018	2019	2020	2021
	Biolog	gical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos	High High Good						
-	Physicoc	chemical	elements	3			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High High Good						
	Spec	cific pollu	tants				
Ammonia	Good/High						
	_Hydromorp	hological	element	ts ¹			
Hydrological regime	Good						
	Priori	ity substa	ances				
¹ BOD and temperature do not co supporting elements and only cor							nts are

Flesk Water

North Eastern

Bush

UKGBNI1NE040404050

Water body name:

River Basin District:

Local management area:

Water body identification code:

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.

Local management area: 2021 Objective: 2027 Objective:		l Status l Status					
Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021
	Biolog	gical eler	nents				
Benthic invertebrates Macrophytes Phytobenthos Fish	High High Good Good —Physicoc	hemical (elements	S			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Good High High						
	Spec	cific pollu	tants				
Ammonia	Good/High						
	_Hydromorp	hological	element	ts ¹			
Hydrological regime Morphological conditions	Good Good						
	Priori	ty substa	inces				
BOD and temperature do not co supporting elements and only cor				-	-		nts are

Bush River (Stranocum)

UKGBNI1NE040404051

North Eastern

Water body name:

River Basin District:

Water body identification code:

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.

Overall status: Confidence in overall status:	2015 Moderate Medium	2016	2017	2018	2019	2020	2021
	Biolog	ical elen	nents				
Benthic invertebrates Macrophytes Phytobenthos	Moderate High Good						
	Physicoch	emical	elements	5			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	Moderate High Good High Good						
	Speci	fic pollu	tants				
Ammonia	Good/High						
	_Hydromorph	ological	element	ts ¹			
Hydrological regime	High						
	Priority	y substa	inces				

Doughery Water

North Eastern

Good Status

Good Status

Bush

UKGBNI1NE040405116

Water body name:

River Basin District:

2021 Objective:

2027 Objective:

Local management area:

Water body identification code:

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.

Water body name: Burn Gushet River
Water body identification code: UKGBNI1NE040405117

This is a heavily modified water body.

River Basin District: North Eastern

Local management area: Bush

2021 Objective:Good ecological potential
Good ecological potential

2016 2017 2018 2019 2020 2015 2021 Overall status: Confidence in overall status: Low Biological elements_____ Benthic invertebrates Poor Macrophytes Good **Phytobenthos** Good Physicochemical elements_____ Biochemical Oxygen Demand ¹ High Temperature 1 High Dissolved Oxygen Moderate Ha High Soluble Reactive Phosphorus **Moderate** Specific pollutants_____ Good/High Ammonia Good/High Arsenic (dissolved) Chromium (dissolved) Good/High Good/High Iron (dissolved) _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.

Local management area: 2021 Objective: 2027 Objective:		d Status d Status					
Overall status: Confidence in overall status:	2015 Good Medium	2016	2017	2018	2019	2020	2021
	Biolog	gical elen	nents				
Benthic invertebrates Macrophytes Phytobenthos	High Good High						
	Physicoc	hemical o	elements	3			_
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Good High High						
	Spec	ific pollu	ants				
Ammonia	Good/High						
	_Hydromorp	hological	element	:S ¹			
Hydrological regime	Good						
	Priori	ty substa	nces				
¹ BOD and temperature do not co	entribute to c	verall cla	ssificatio	on. Hydro	omorphic	al eleme	nts are

Bush River (Ballyhoe)

North Eastern

UKGBNI1NE040405127

Water body name:

River Basin District:

Water body identification code:

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.

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

Local management area: Bush 2021 Objective: **Good Status** 2027 Objective: **Good Status** 2016 2017 2018 2019 2015 2020 2021 **Overall status:** Good Confidence in overall status: Medium Biological elements_____ High Benthic invertebrates Macrophytes Good **Phytobenthos** Good Fish High Physicochemical elements_____ Biochemical Oxygen Demand ¹ Good Temperature 1 High **Dissolved Oxygen** High pН High Soluble Reactive Phosphorus Good Specific pollutants_____ Good/High Ammonia Good/High Arsenic (dissolved) Chromium (dissolved) Good/High Cypermethrin² **Moderate** 2.4-D Good/High Good/High Diazinon 3,4-dichloroaniline Good/High 2,4-dichlorophenol Good/High Good/High Glyphosate Iron (dissolved) Good/High Linuron Good/High Good/High Mecoprop Pendimethalin Good/High Good/High Permethrin Phenol Good/High Good/High Toluene Good/High Triclosan _Hydromorphological elements ¹_____ Hydrological regime Good

Good

Bush River (Bushmills)

North Eastern

UKGBNI1NE040404042

Water body name:

River Basin District:

Morphological conditions

Water body identification code:

Priorit [®]	/ substances	
Priorit	/ substances_	

Alachlor	Good
Anthracene	Good
Atrazine	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
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.

Water body name: Water body identification code: River Basin District: Local management area: 2021 Objective: 2027 Objective:	Bush River (Altnahinch) UKGBNI1NE040405128 This is a heavily modified water body. North Eastern Bush Good ecological potential Good ecological potential								
Overall status: Confidence in overall status:	2015 MEP Medium	2016	2017	2018	2019	2020	2021		
Biological elements									
Benthic invertebrates Macrophytes Phytobenthos	High Good High —Physicoch	nemical e	elements				_		
Biochemical Oxygen Demand ¹ Temperature ¹ Dissolved Oxygen pH Soluble Reactive Phosphorus	High High Good High High	ific pollut	ants						
Ammonia	Good/High								
	Hydromorph	nological	element	s ¹					
Hydrological regime	Good Priorit	y substa	nces						

Fail

Mercury (biota) 3

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.

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.

³ Only pilot monitoring has been undertaken to date and therefore insufficient data is available to include in the assessment of overall status.

Water body name: North Coast
Water body identification code: UKGBNI6NE010

River Basin District: North Eastern

Local management area: Bush

2021 Objective: Good Status **2027 Objective:** Good Status

2015 2016 2017 2018 2019 2020 2021

Overall status: Moderate

Confidence in overall status:

Alien Species

Benthic Invertebrates

Dissolved inorganic nitrogen

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.