

# WFD Cycle 2

Catchment Corrib

Subcatchment  
BallycuirkeLoughStream\_SC\_010

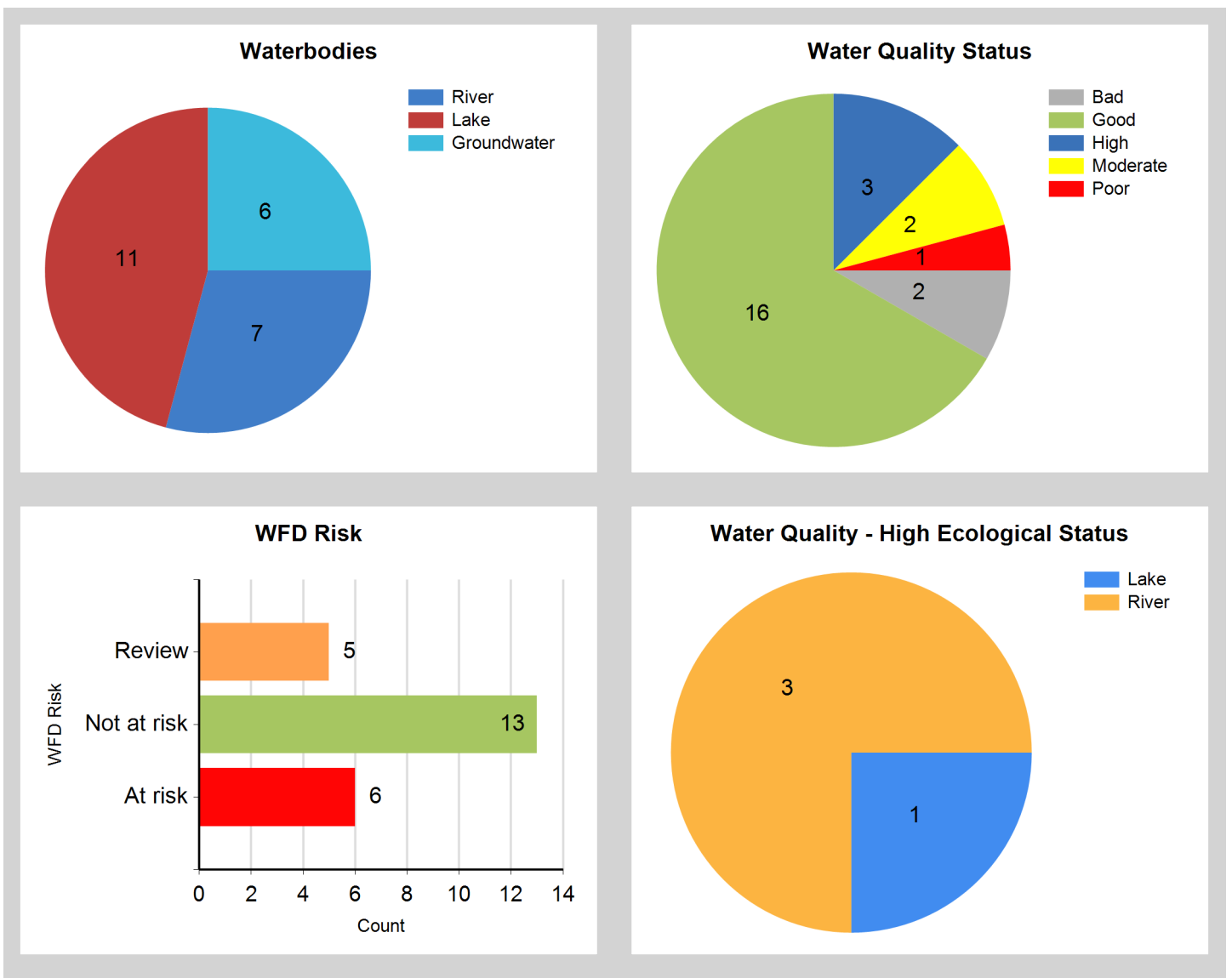
Code 30\_14



## Assessment Purpose

This assessment has been produced as part of the national characterisation programme undertaken for the Water Framework Directive river basin management planning. It has been led by the EPA, with input from Local Authorities and other public bodies.

The characterisation assessments are automatically generated from the information stored in the WFD Application. The assessments may change as information is updated in the WFD application. Users should ensure that they have the most up to date information by downloading the latest assessment before use.



## Evaluation of Priority Subcatchment Issues

Three out of seven river water bodies within the subcatchment are AT RISK: Ballycurke\_010 due to less than Good biological status; Owenriff (Corrib)\_010 and Owenriff (Corrib)\_020 due to failing to meet their High Ecological Status objectives. Hydromorphological status (Good) downgraded the overall ecological status of Owenriff (Corrib)\_010 to Good, while invertebrate status (Good) drove the overall ecological status of Owenriff (Corrib)\_020. Both are within one of the eight Freshwater Pearl Mussel catchments of high priority (including NOT AT RISK water body Glengawbeg\_010). One river water body, Drimneen\_010, is under REVIEW due to its unassigned status.

Three out of eleven lake water bodies within the subcatchment are AT RISK due to less than Good biological status: Ballycurke driven by macrophytes; Lettercraffroe driven by phytobenthos (within Glengawbeg\_010 sub-basin, a high priority Freshwater Pearl Mussel catchment) and; Ross GY driven by fish. Three lake water bodies are under REVIEW due to their unassigned status, Buffy, Acogga and Parkyflaherty.

There are a combination of significant pressures that may be impacting Ballycurke\_010 including urban waste water treatment, septic tanks and channelisation. Channelisation may also be impacting status within the Owenriff river (Owenriff (Corrib)\_010 and Owenriff (Corrib)\_020). Urban waste water treatment may also be impacting Ballycurke, while the decline in biological status within Lettercraffroe may be attributed to widespread forestry felling as part of a windfarm development. Zebra mussels are present within Ballycurke and Ross GY and may mask nutrient issues.

## Map Subcatchment Risk



## River And Lake Waterbodies: WFD Risk

The following river and lake waterbodies are in the subcatchment.

Code	Name	Type	WFD Risk	Significant Pressure
IE_WE_30_340	Ballyquirke	Lake	At risk	Yes
IE_WE_30_344	Lettercraffroe	Lake	At risk	Yes
IE_WE_30_345	Ross GY	Lake	At risk	Yes
IE_WE_30B140100	BALLYCUIRKE_010	River	At risk	Yes
IE_WE_30O020070	OWENRIFF (CORRIB)_010	River	At risk	Yes
IE_WE_30O020200	OWENRIFF (CORRIB)_020	River	At risk	Yes
IE_WE_30_315	Buffy	Lake	Review	Yes
IE_WE_30_325	Acogga	Lake	Review	Yes
IE_WE_30_336	Parkylaherty	Lake	Review	Yes
IE_WE_30D030600	DRIMNEEN_010	River	Review	No
IE_WE_30_215	Adrehid	Lake	Not at risk	No
IE_WE_30_303	Kip GY	Lake	Not at risk	No
IE_WE_30_334	Agraffard	Lake	Not at risk	No
IE_WE_30_335	Bofin GY	Lake	Not at risk	No
IE_WE_30_346	Loughaphreaghaun	Lake	Not at risk	No
IE_WE_30G060100	GLENGAWBEG_010	River	Not at risk	Yes
IE_WE_30K020200	KNOCKAUNRANNY STREAM_010	River	Not at risk	No
IE_WE_30L010200	LOUGHKIP_010	River	Not at risk	No

## Map Subcatchment Water Quality Status



## River And Lake Waterbodies: Water Quality Status

The water quality status of river and lake waterbodies in the subcatchment is as follows.

Name	2007-09	2010-12	2010-15	2013-18
Acogga	Unassigned	Unassigned	Unassigned	Good
Adrehid	Unassigned	Unassigned	Unassigned	Good
Agraffard	Unassigned	Unassigned	Unassigned	Good
BALLYCUIRKE_010	Poor	Poor	Poor	Moderate
Ballyquirke	Moderate	Poor	Moderate	Bad
Bofin GY	High	High	High	High
Buffy	Unassigned	Unassigned	Unassigned	Moderate
DRIMNEEN_010	Good	Unassigned	Unassigned	Good
GLENGAWBEG_010	Good	Good	High	Good
Kip GY	Unassigned	Unassigned	Unassigned	Good
KNOCKAUNRANNY STREAM_010	Good	Good	Good	Good
Lettercraffroe	Good	Good	Moderate	Good
Loughaphreaghau	Unassigned	Unassigned	Unassigned	High
LOUGHKIP_010	Good	Good	Good	Good
OWENRIFF (CORRIB)_010	High	Good	Good	Good
OWENRIFF (CORRIB)_020	Good	Good	Good	Bad
Parkylaherty	Unassigned	Unassigned	Unassigned	High
Ross GY	Moderate	Poor	Poor	Poor

## Potentially Dependent Transitional and Coastal Waterbodies

The Transitional and Coastal waterbodies listed below intersect spatially with river and lake waterbodies in the subcatchment ...

Code	Name	Type	Local Authority	WFD Risk
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## Potentially Dependent Groundwater Waterbodies

The groundwaters listed below interset spatially with river and lake waterbodies in the subcatchment ...

Code	Name	Type	Local Authority	WFD Risk
IE_WE_G_0004	Spiddal	Groundwater	Galway County Council	Not at risk
IE_WE_G_0004	Spiddal	Groundwater	Galway County Council	Review
IE_WE_G_0006	Maam-Clonbur	Groundwater	Galway County Council	Not at risk
IE_WE_G_0009	Oughterard Marbles	Groundwater	Galway County Council	Not at risk
IE_WE_G_0010	Ross Lake	Groundwater	Galway County Council	Not at risk
IE_WE_G_0012	Recess Marbles	Groundwater	Galway County Council	Not at risk
IE_WE_G_0109	GWDTE-Lough Corrib Fen 2 (SAC000297)	Groundwater	Galway County Council	Not at risk

## Protected Areas intersecting River and Lake Waterbodies

The Protected Areas listed below intersect spatially with river and lake waterbodies in the subcatchment ...

Code	Name	Type	Waterbody Name	Association Type
IE0000297	Lough Corrib SAC	SAC	Agraffard	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	Ballyquirke	Within Protected Area
IE0000297	Lough Corrib SAC	SAC	BALLYCUIRKE_010	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	DRIMNEEN_010	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	GLENGAWBEG_010	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	LOUGHKIP_010	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	OWENRIFF (CORRIB)_010	Overlapping / partly within Protected Area
IE0000297	Lough Corrib SAC	SAC	OWENRIFF (CORRIB)_020	Overlapping / partly within Protected Area
IE0001312	Ross Lake And Woods SAC	SAC	Parkylaherty	Within Protected Area
IE0001312	Ross Lake And Woods SAC	SAC	Ross GY	Overlapping / partly within Protected Area
IE0001312	Ross Lake And Woods SAC	SAC	BALLYCUIRKE_010	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Adrehid	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Kip GY	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Acogga	Within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Agraffard	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Bofin GY	Overlapping / partly within Protected Area

IE0002034	Connemara Bog Complex SAC	SAC	Lettercraffroe	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	Loughaphreaghau	Within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	GLENGAWBEG_010	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	KNOCKAUNRANNY STREAM_010	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	LOUGHKIP_010	Overlapping / partly within Protected Area
IE0002034	Connemara Bog Complex SAC	SAC	OWENRIFF (CORRIB)_010	Overlapping / partly within Protected Area
IEPA1_WE_30_315	Buffy	Drinking Water	Buffy	Within Protected Area
IEPA1_WE_30_315	Buffy	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_30_666a	Corrib Lower	Drinking Water	BALLYCUIRKE_010	Within Protected Area
IEPA1_WE_30_666b	Corrib Upper	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_30D030600	DRIMNEEN_010	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_G_0004	Spiddal	Drinking Water	LOUGHKIP_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Adrehid	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Kip GY	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Buffy	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Acogga	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Bofin GY	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Lettercraffroe	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	Loughaphreaghau	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	BALLYCUIRKE_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	GLENGAWBEG_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	KNOCKAUNRANNY STREAM_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	LOUGHKIP_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	OWENRIFF (CORRIB)_010	Within Protected Area
IEPA1_WE_G_0006	Maam-Clonbur	Drinking Water	OWENRIFF (CORRIB)_020	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	Adrehid	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	Agraffard	Within Protected Area

IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	Bofin GY	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	GLENGAWBEG_010	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	OWENRIFF (CORRIB)_010	Within Protected Area
IEPA1_WE_G_0009	Oughterard Marbles	Drinking Water	OWENRIFF (CORRIB)_020	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	Parkyflaherty	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	Ballyquirke	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	Ross GY	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	BALLYCUIRKE_010	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	DRIMNEEN_010	Within Protected Area
IEPA1_WE_G_0010	Ross Lake	Drinking Water	KNOCKAUNRANNY STREAM_010	Within Protected Area

## Pressures

Below is a list of all significant pressures identified in the subcatchment.

Code	Name	WFD Risk	Pressure Category	Pressure Sub Category	Created In
IE_WE_30O020200	OWENRIFF (CORRIB)_020	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_WE_30_315	Buffy	Review	Abstractions	Water supply	WFD Cycle 2
IE_WE_30B140100	BALLYCUIRKE_010	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_WE_30_325	Acogga	Review	Forestry	Forestry	WFD Cycle 2
IE_WE_30_336	Parkyflaherty	Review	Forestry	Forestry	WFD Cycle 2
IE_WE_30_315	Buffy	Review	Water Treatment	Discharges	WFD Cycle 2
IE_WE_30O020200	OWENRIFF (CORRIB)_020	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_WE_30O020070	OWENRIFF (CORRIB)_010	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_WE_30_345	Ross GY	At risk	Invasive Species	Invasive species	WFD Cycle 2
IE_WE_30_340	Ballyquirke	At risk	Urban Waste Water	Agglomeration PE of 2,001 to 10,000	WFD Cycle 2
IE_WE_30_336	Parkyflaherty	Review	Agriculture	Agriculture	WFD Cycle 2
IE_WE_30_315	Buffy	Review	Forestry	Forestry	WFD Cycle 2
IE_WE_30_340	Ballyquirke	At risk	Invasive Species	Invasive species	WFD Cycle 2

## Further Characterisation Actions

The following further characterisation actions have been identified. These are necessary to help understand more fully issues in the subcatchment and their likely cause.

Code	Name	Action	Responsible Organisation	Created In
IE_WE_30_345	Ross GY	IA1 Provision of Information	Inland Fisheries Ireland	WFD Cycle 2
IE_WE_30_336	Parkyflaherty	IA9 Lake pressures	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_WE_30B140100	BALLYCUIRKE_010	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_WE_30B140100	BALLYCUIRKE_010	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_WE_30_344	Lettercraffroe	IA1 Provision of Information	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_WE_30_340	Ballyquirke	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_WE_30_325	Acogga	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_WE_30_315	Buffy	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_WE_30O020200	OWENRIFF (CORRIB)_020	IA8 High status RWB pressures	Environmental Protection Agency	WFD Cycle 2
IE_WE_30D030600	DRIMNEEN_010	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_WE_30O020070	OWENRIFF (CORRIB)_010	IA8 High status RWB pressures	Environmental Protection Agency	WFD Cycle 2