

WFD Cycle 2

Catchment Upper Shannon

Subcatchment Breedoge_SC_010

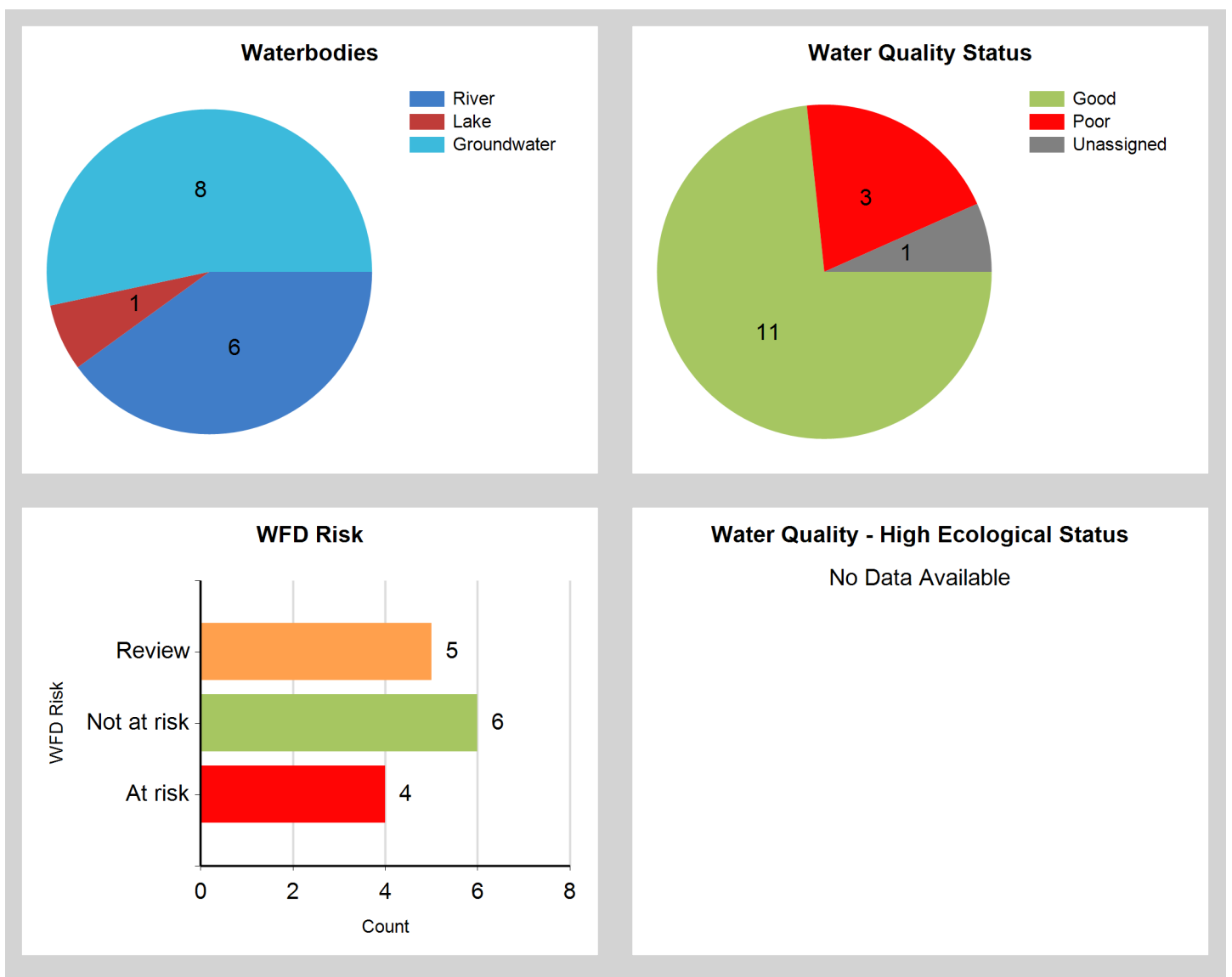
Code 26B_1



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

Unassigned water bodies, Granny 26_010, Mantua_010 and Treanamarly lake have been changed to Review, pending the outcome of local catchment assessments to determine the risk.

Elevated ammonia was noted in Carricknabraher_020, however a wastewater treatment works, previously a suspected cause of pollution, was upgraded in 2015. Upstream and downstream monitoring of the WWTP is necessary to confirm that the WWTP is no longer a priority issue. If this is the case, it is likely that peat is the significant issue here.

Limited chemistry data is available for Owennaforeesha_010, however, agriculture would appear to be of significance here as the average Phosphate concentration in 2014 was 0.060 mg/l in an area of high Pollution Impact Potential (Rank 2-3). This was confirmed by Roscommon County Council, and there is at least one farm in the area which may be impacting water quality. Wet soils further compound the problem. Urban pressures are also significant for Owennaforeesha_010 and Breedoge_010 as approximately half of the village is not connected to the wastewater treatment works, which results in discharges to surface water drains. Sediment impacts from peat and forestry will also be assessed in Breedoge_010.

Hydromorphology may also be a significant issue across the subcatchment, as drainage channels were noted in all of the At Risk water bodies. The EPA Hydromorphologist will assess the impacts of these pressures.

Roscommon County Council flagged MCPA as a priority subcatchment issue and have issued notices to 600 farmers, advising them on the use of pesticides.

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_SH_26B090300	BREEDOGE_010	River	At risk	Yes
IE_SH_26C020200	CARRICKNABRAHER_020	River	At risk	Yes
IE_SH_26O040100	OWENNAFOREESHA_010	River	At risk	Yes
IE_SH_26_584	Treanamarly	Lake	Review	No
IE_SH_26G780950	GRANNY_010	River	Review	Yes
IE_SH_26M010200	MANTUA_010	River	Review	Yes
IE_SH_26C020100	CARRICKNABRAHER_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
BREEDOGE_010	Good	Poor	Poor	Poor
CARRICKNABRAHER_010	Good	Good	Good	Good
CARRICKNABRAHER_020	Moderate	Poor	Poor	Poor
GRANNY_010	Unassigned	Unassigned	Unassigned	Good
MANTUA_010	Unassigned	Unassigned	Unassigned	Poor
OWENNAFOREESHA_010	Moderate	Good	Moderate	Good
Treanamarly	Unassigned	Unassigned	Unassigned	Unassigned

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 intersect spatially with river and lake waterbodies in the subcatchment ...

Code	Name	Type	Local Authority	WFD Risk
IE_SH_G_048	Carrick on Shannon	Groundwater	Roscommon County Council	At risk
IE_SH_G_048	Carrick on Shannon	Groundwater	Roscommon County Council	Review
IE_SH_G_049	Waste Facility (W0059-02)	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_053	Castlerea	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_054	Castlerea Bellanagare	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_067	GWDTE-Cloonshanville Bog (SAC000614)	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_224	Suck North	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_225	Suck South	Groundwater	Galway County Council	Review
IE_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Groundwater	Roscommon County Council	Not at risk
IE_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Groundwater	Roscommon County Council	Review

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
IEPA1_SH_26G780 950	GRANNY_010	Drinking Water	GRANNY_010	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	Treanamarly	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	BREEDOGE_010	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	CARRICKNABRAHER_0 10	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	CARRICKNABRAHER_0 20	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	GRANNY_010	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	MANTUA_010	Within Protected Area
IEPA1_SH_G_048	Carrick on Shannon	Drinking Water	OWENNAFOREESHA_0 10	Within Protected Area
IEPA1_SH_G_054	Castlerea Bellanagare	Drinking Water	BREEDOGE_010	Within Protected Area
IEPA1_SH_G_054	Castlerea Bellanagare	Drinking Water	OWENNAFOREESHA_0 10	Within Protected Area
IEPA1_SH_G_067	GWDTE-Cloonshanville Bog (SAC000614)	Drinking Water	BREEDOGE_010	Within Protected Area
IEPA1_SH_G_067	GWDTE-Cloonshanville Bog (SAC000614)	Drinking Water	CARRICKNABRAHER_0 10	Within Protected Area
IEPA1_SH_G_067	GWDTE-Cloonshanville Bog (SAC000614)	Drinking Water	CARRICKNABRAHER_0 20	Within Protected Area
IEPA1_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Drinking Water	BREEDOGE_010	Within Protected Area
IEPA1_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Drinking Water	CARRICKNABRAHER_0 10	Within Protected Area
IEPA1_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Drinking Water	CARRICKNABRAHER_0 20	Within Protected Area
IEPA1_SH_G_241	GWDTE-Bellanagare Bog (SAC000592)	Drinking Water	OWENNAFOREESHA_0 10	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_SH_G_048	Carrick on Shannon	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREESHA_010	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_SH_26C020200	CARRICKNABRAHER_020	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_SH_26M010200	MANTUA_010	Review	Agriculture	Pasture	WFD Cycle 2
IE_SH_26C020200	CARRICKNABRAHER_020	At risk	Extractive Industry	Peat	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREESHA_010	At risk	Agriculture	Farmyards	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	At risk	Extractive Industry	Peat - Harvesting	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREESHA_010	At risk	Hydromorphology	Land Drainage	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	At risk	Forestry	Clearfelling	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	At risk	Hydromorphology	Land Drainage	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_SH_26B090300	BREEDOGE_010	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_SH_26_584	Treanamarly	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREES HA_010	IA7 Multiple Sources in Multiple Areas	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26C020200	CARRICKNABRAH ER_020	IA1 Provision of Information	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26C020200	CARRICKNABRAH ER_020	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREES HA_010	IA6 Multiple Sources in Large Urban Area	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	IA7 Multiple Sources in Multiple Areas	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26B090300	BREEDOGE_010	IA6 Multiple Sources in Large Urban Area	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26O040100	OWENNAFOREES HA_010	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_SH_26G780950	GRANNY_010	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SH_26M010200	MANTUA_010	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2