

WFD Cycle 2

Catchment Liffey and Dublin Bay

Subcatchment Lyreen_SC_010

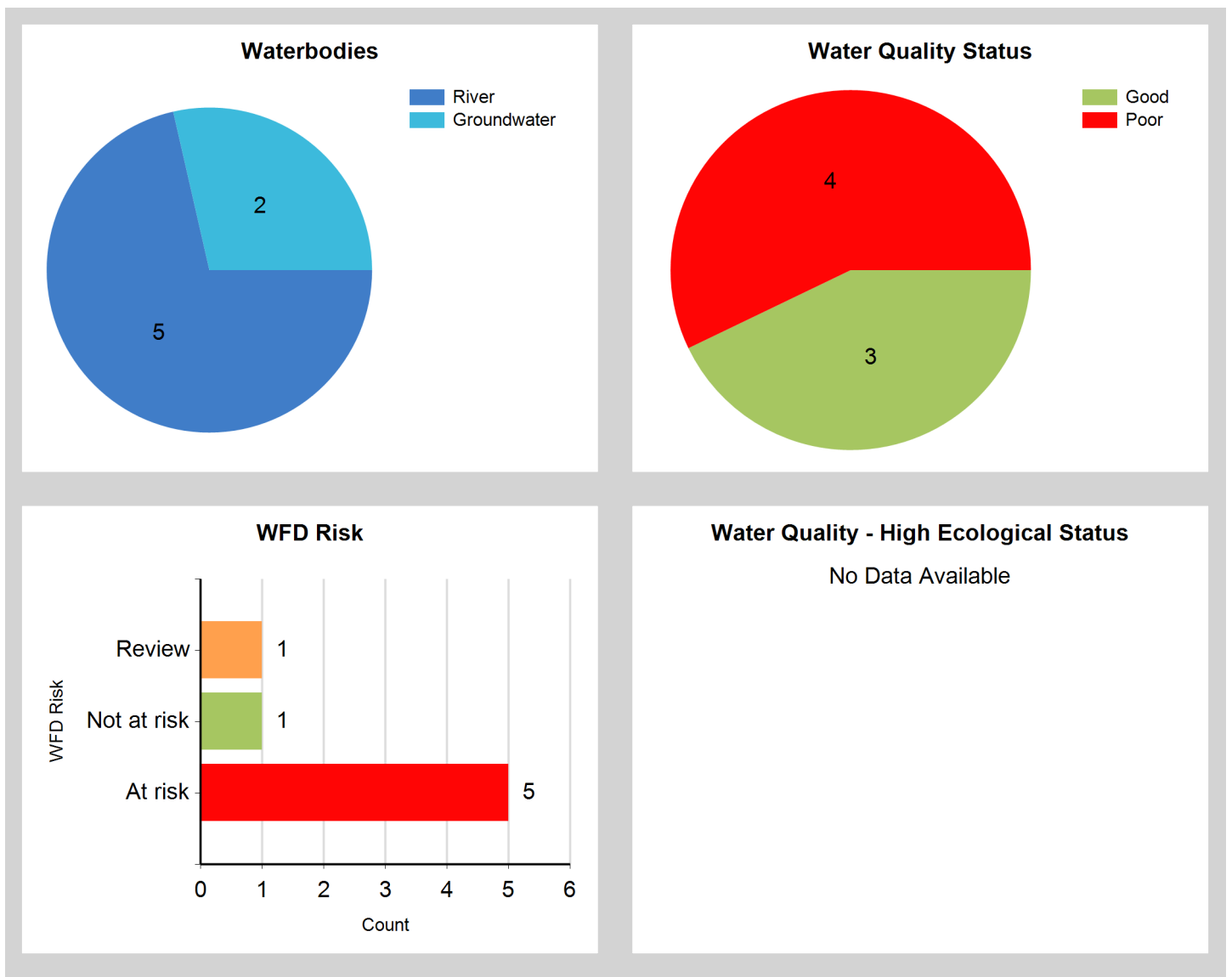
Code 09_9



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

All four river water bodies within the subcatchment (Clonshanbo_010, Clonshanbo_020, Lyreen_010 and Lyreen_020) are AT RISK due to Poor ecological status; in all four water bodies ecological status is driven by invertebrates and elevated nutrients are the significant issues. Agriculture and septic tanks on poorly draining soil are the significant pressures in a Clonshanbo_010, Clonshanbo_020 and Lyreen_010. A Section 4 licence is an additional pressure on Lyreen_010. Agriculture and diffuse urban sources of pollution are the significant pressures on Lyreen_020.

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_EA_09C030300	CLONSHANBO_010	River	At risk	Yes
IE_EA_09C030600	CLONSHANBO_020	River	At risk	Yes
IE_EA_09L020035	LYREEN_010	River	At risk	Yes
IE_EA_09L020100	LYREEN_020	River	At risk	Yes
IE_09_AWB_RCMLE	Royal Canal Main Line (Liffey and Dublin Bay)	River	Review	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
CLONSHANBO_010	Poor	Poor	Poor	Poor
CLONSHANBO_020	Unassigned	Poor	Poor	Poor
LYREEN_010	Moderate	Poor	Poor	Poor
LYREEN_020	Poor	Poor	Poor	Poor
Royal Canal Main Line (Liffey and Dublin Bay)	Good	Good	Good	Good

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_EA_G_002	Trim	Groundwater	Meath County Council	At risk
IE_EA_G_008	Dublin	Groundwater	South Dublin County Council	Not at risk
IE_EA_G_008	Dublin	Groundwater	South Dublin 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_EA_G_008	Dublin	Drinking Water	CLONSHANBO_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	CLONSHANBO_020	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	LYREEN_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	LYREEN_020	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_EA_09L020035	LYREEN_010	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_EA_09C030300	CLONSHANBO_010	At risk	Domestic Waste Water	Single House Discharges	WFD Cycle 2
IE_EA_G_002	Trim	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_EA_09C030600	CLONSHANBO_020	At risk	Hydromorphology	Channelisation	WFD Cycle 2
IE_EA_09L020035	LYREEN_010	At risk	Agriculture	Pasture	WFD Cycle 2
IE_EA_09L020100	LYREEN_020	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_EA_09C030600	CLONSHANBO_020	At risk	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_09L020100	LYREEN_020	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_EA_09L020035	LYREEN_010	At risk	Industry	Section 4	WFD Cycle 2
IE_EA_09L020035	LYREEN_010	At risk	Domestic Waste Water	Single House Discharges	WFD Cycle 2
IE_EA_09C030600	CLONSHANBO_020	At risk	Domestic Waste Water	Single House Discharges	WFD Cycle 2
IE_EA_09C030300	CLONSHANBO_010	At risk	Agriculture	Pasture	WFD Cycle 2
IE_EA_09C030600	CLONSHANBO_020	At risk	Agriculture	Pasture	WFD Cycle 2
IE_EA_G_002	Trim	At risk	Domestic Waste Water	Waste Water discharge	WFD Cycle 2
IE_EA_09C030300	CLONSHANBO_010	At risk	Hydromorphology	Channelisation	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_EA_09L020100	LYREEN_020	IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09L020035	LYREEN_010	IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09C030600	CLONSHANBO_020	IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09L020100	LYREEN_020	IA6 Multiple Sources in Large Urban Area	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09C030300	CLONSHANBO_010	IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2