

WFD Cycle 2

Catchment Slaney & Wexford Harbour

Subcatchment Derreen_SC_010

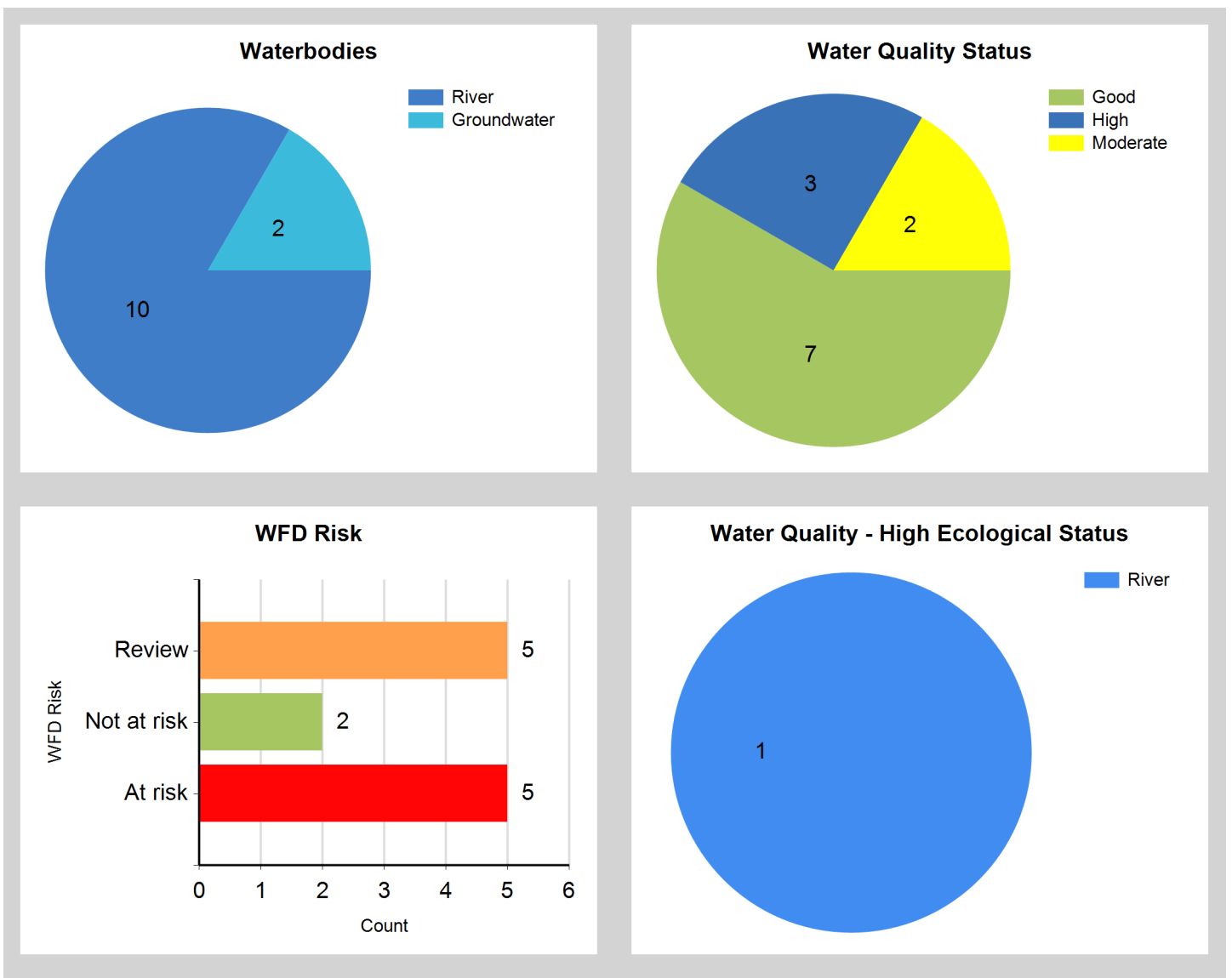
Code 12_9



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

The River Derreen is the main channel in this subcatchment. In the upper reaches of the Derreen, Derreen_010 is At Risk due to nutrients and siltation from agricultural land drainage and forestry. Derreen_010 is a High Ecological Status objective water body. Derreen_020 and Derreen_040 are unassigned and were revised to review due to the presence of potential pressures in the subbasin. In the lower reaches of the Derreen, Derreen_050 and Derreen_060, nutrients are the significant issue resulting in Moderate and ecological status. Agriculture is the significant pressure on both water bodies. Siltation is an additional significant issue on Derreen_060 and a quarry was identified as the significant pressure.

On Douglas (Kilteigan)_010 and Douglas (Kilteigan)_020 nutrients are the significant issue causing Moderate and Poor ecological status, respectively. Point sources of pollution from agriculture, septic tanks and urban wastewater are the significant pressures. NOTE: in 2016 the biological status (invertebrates) in Douglas (Kilteigan)_020 improved to Good.

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_SE_12D010050	DERREEN_010	River	At risk	Yes
IE_SE_12D010300	DERREEN_050	River	At risk	Yes
IE_SE_12D010420	DERREEN_060	River	At risk	Yes
IE_SE_12D040300	DOUGLAS (KILTEGAN)_010	River	At risk	Yes
IE_SE_12D040700	DOUGLAS (KILTEGAN)_020	River	At risk	Yes
IE_SE_12D010100	DERREEN_020	River	Review	No
IE_SE_12D010200	DERREEN_040	River	Review	Yes
IE_SE_12K460150	KNOCKBOY_010	River	Review	Yes
IE_SE_12D010150	DERREEN_030	River	Not at risk	No
IE_SE_12D010500	DERREEN_070	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
DERREEN_010	High	Moderate	Good	High
DERREEN_020	Unassigned	Unassigned	Unassigned	High
DERREEN_030	Moderate	Good	Good	Good
DERREEN_040	Moderate	Unassigned	Unassigned	Good
DERREEN_050	Good	Good	Moderate	Good
DERREEN_060	Moderate	Good	Moderate	Good
DERREEN_070	Unassigned	Moderate	Good	Good
DOUGLAS (KILTEGAN)_010	Moderate	Unassigned	Moderate	Moderate
DOUGLAS (KILTEGAN)_020	Good	Poor	Poor	Moderate
KNOCKBOY_010	Unassigned	Unassigned	Unassigned	High

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_076	Wicklow	Groundwater	Wicklow County Council	Review
IE_SE_G_011	Ballyglass	Groundwater	Wicklow County Council	At risk
IE_SE_G_011	Ballyglass	Groundwater	Wicklow 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
IE0000781	Slaney River Valley SAC	SAC	DERREEN_020	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DERREEN_030	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DERREEN_040	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DERREEN_050	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DERREEN_060	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DERREEN_070	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	DOUGLAS (KILTEGAN)_020	Overlapping / partly within Protected Area
IE0000781	Slaney River Valley SAC	SAC	KNOCKBOY_010	Overlapping / partly within Protected Area
IE0002122	Wicklow Mountains SAC	SAC	DERREEN_010	Overlapping / partly within Protected Area
IE0002122	Wicklow Mountains SAC	SAC	DERREEN_020	Overlapping / partly within Protected Area
IEPA1_SE_12D010 100	DERREEN_020	Drinking Water	DERREEN_020	Within Protected Area
IEPA1_SE_12D010 300	DERREEN_050	Drinking Water	DERREEN_050	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_010	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_020	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_030	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_040	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_050	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_060	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DERREEN_070	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DOUGLAS (KILTEGAN)_010	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	DOUGLAS (KILTEGAN)_020	Within Protected Area
IEPA1_SE_G_011	Ballyglass	Drinking Water	KNOCKBOY_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_SE_12D040700	DOUGLAS (KILTEGAN)_020	At risk	Agriculture	Pasture	WFD Cycle 2
IE_SE_12D040700	DOUGLAS (KILTEGAN)_020	At risk	Agriculture	Farmyards	WFD Cycle 2
IE_SE_12D010420	DERREEN_060	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_SE_12D040300	DOUGLAS (KILTEGAN)_010	At risk	Agriculture	Agriculture	WFD Cycle 2
IE_SE_12K460150	KNOCKBOY_010	Review	Agriculture	Pasture	WFD Cycle 2
IE_SE_G_011	Ballyglass	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_SE_12D010200	DERREEN_040	Review	Agriculture	Pasture	WFD Cycle 2
IE_SE_12D040300	DOUGLAS (KILTEGAN)_010	At risk	Agriculture	Farmyards	WFD Cycle 2
IE_SE_12D010300	DERREEN_050	At risk	Agriculture	Agriculture	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_SE_12D010420	DERREEN_060	IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D010100	DERREEN_020	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D040700	DOUGLAS (KILTEGAN)_020	IA1 Provision of Information	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D040700	DOUGLAS (KILTEGAN)_020	IA7 Multiple Sources in Multiple Areas	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D040300	DOUGLAS (KILTEGAN)_010	IA7 Multiple Sources in Multiple Areas	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D010200	DERREEN_040	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12K460150	KNOCKBOY_010	IA3 Determination of Water Quality (unassigned waterbody)	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D010300	DERREEN_050	IA7 Multiple Sources in Multiple Areas	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_SE_12D010050	DERREEN_010	IA8 High status RWB pressures	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2