

# WFD Cycle 2

Catchment Ovoca-Vartry

Subcatchment Vartry\_SC\_010

Code 10\_4



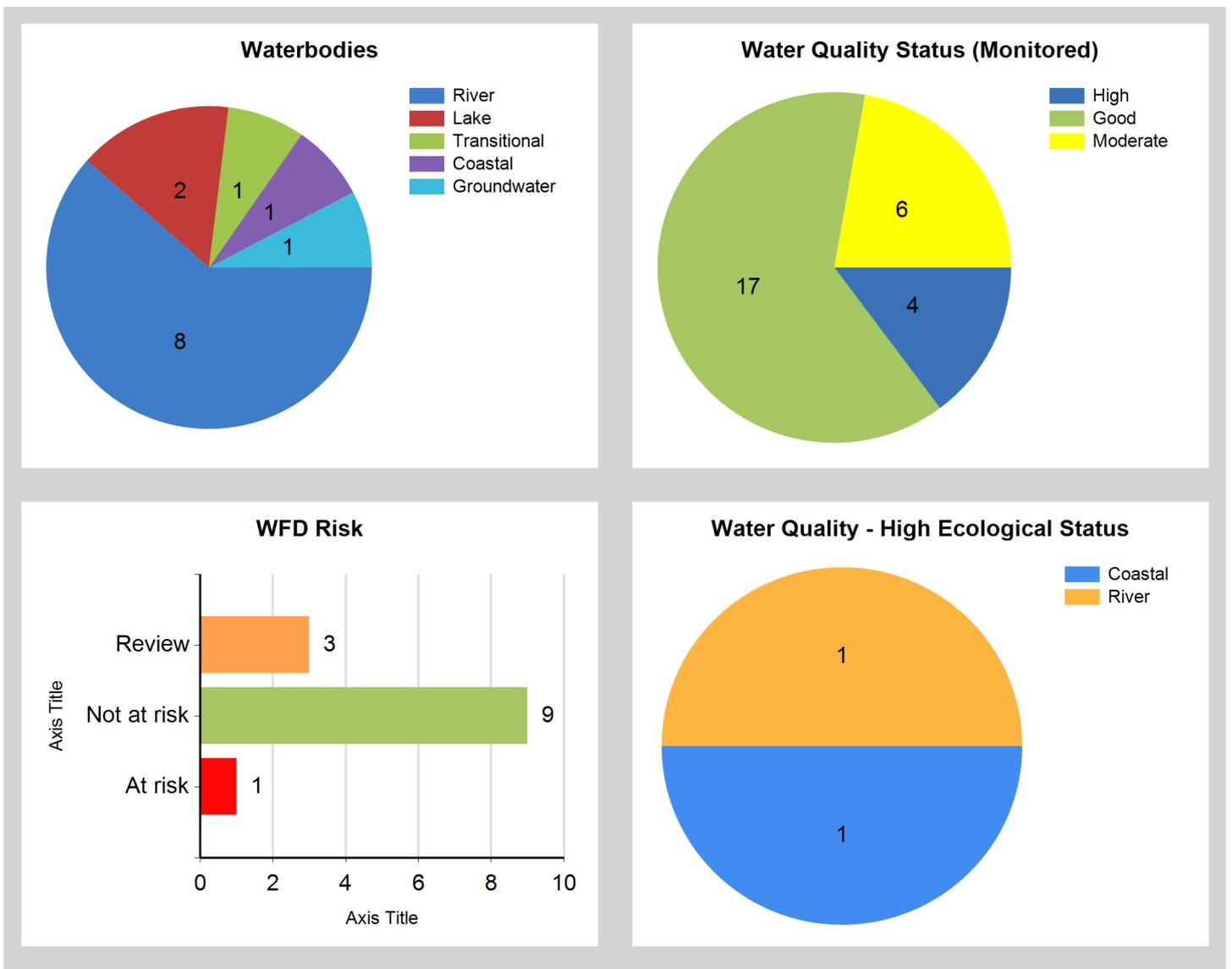
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## Assessment Purpose

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

The characterisation assessments are automatically generated from the information stored in the WFD Application. They are based on information available to the end of 2015 but may be subject to change until the final 2018-21 river basin management plan is published. 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 eight river water bodies within this subcatchment are under REVIEW: Inchanappa\_010 and Wicklow\_010 due to their unassigned status and; Vartny\_020 as more information is required as the degradation of ecological status related to siltation may occur in the future as a result of the impacted hydrological regime of Vartny Reservoir.

Note that Vartny\_020, Vartny Upper and Vartny Lower were designated as heavily modified water bodies (due to drinking water supply) in the first cycle of the WFD. Vartny\_010 is meeting its High Ecological Status objective.

## Map Subcatchment Risk Map



## 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_10I020430	Inchanappa_010	River	Review	Yes
IE_EA_10W080880	Wicklow_010	River	Review	Yes
IE_EA_10V010100	VARTRY_020	River	Not at risk	No

## Map Subcatchment Water Quality Status Map



## River And Lake Waterbodies: Water Quality Status

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

Code	Name	Type	2007-09	2010-12	2010-15
IE_EA_10B980500	BALLYMACAHARA_010	River	Unassigned	Good	Good
IE_EA_10I020430	Inchanappa_010	River	Unassigned	Unassigned	Unassigned
IE_EA_10R020600	RATHNEW STREAM_010	River	Moderate	Moderate	Good
IE_EA_10_11	Vartry Upper	Lake	Unassigned	Unassigned	Unassigned
IE_EA_10V010050	VARTRY_010	River	Good	High	High
IE_EA_10V010100	VARTRY_020	River	Good	Good	Good
IE_EA_10V010150	VARTRY_030	River	Unassigned	Good	Good
IE_EA_10V010300	VARTRY_040	River	Moderate	Good	Good
IE_EA_10_10	Varty Lower	Lake	Good	Good	Good
IE_EA_10W080880	Wicklow_010	River	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
IE_EA_100_0000	Southwestern Irish Sea - Killiney Bay (HA10)	Coastal	Wicklow County Council	Not at risk
IE_EA_130_0100	Broad Lough	Transitional	Wicklow County Council	At risk

## 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

## 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_10V010 100	VARTRY_020	Drinking Water	VARTRY_020	Within Protected Area
IEPA1_EA_10V010 150	VARTRY_030	Drinking Water	VARTRY_030	Within Protected Area
IEPA5D0033	River Vartry	Salmonid	VARTRY_030	Overlapping / partly within Protected Area
IEPA5D0033	River Vartry	Salmonid	VARTRY_040	Overlapping / partly within Protected Area
IEPA5D0033	River Vartry	Salmonid	VARTRY_020	Overlapping / partly within Protected Area
IEPA5D0033	River Vartry	Salmonid	VARTRY_010	Overlapping / partly 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
IE_EA_130_0100	Broad Lough	At risk	Urban Waste Water	Combined Sewer Overflows
IE_EA_130_0100	Broad Lough	At risk	Agriculture	Agriculture
IE_EA_10I020430	Inchanappa_010	Review	Anthropogenic Pressures	Unknown
IE_EA_10W080880	Wicklow_010	Review	Urban Waste Water	Combined Sewer Overflows
IE_EA_G_076	Wicklow	Review	Anthropogenic Pressures	Unknown

## 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
IE_EA_10W080880	Wicklow_010	IA3 Determination of Water Quality (unassigned waterbody)	Wicklow County Council
IE_EA_10I020430	Inchanappa_010	IA3 Determination of Water Quality (unassigned waterbody)	Wicklow County Council
IE_EA_10V010100	VARTRY_020	IA1 Provision of Information	Wicklow County Council