

# WFD Cycle 2

Catchment Liffey and Dublin Bay

Subcatchment Mayne\_SC\_010

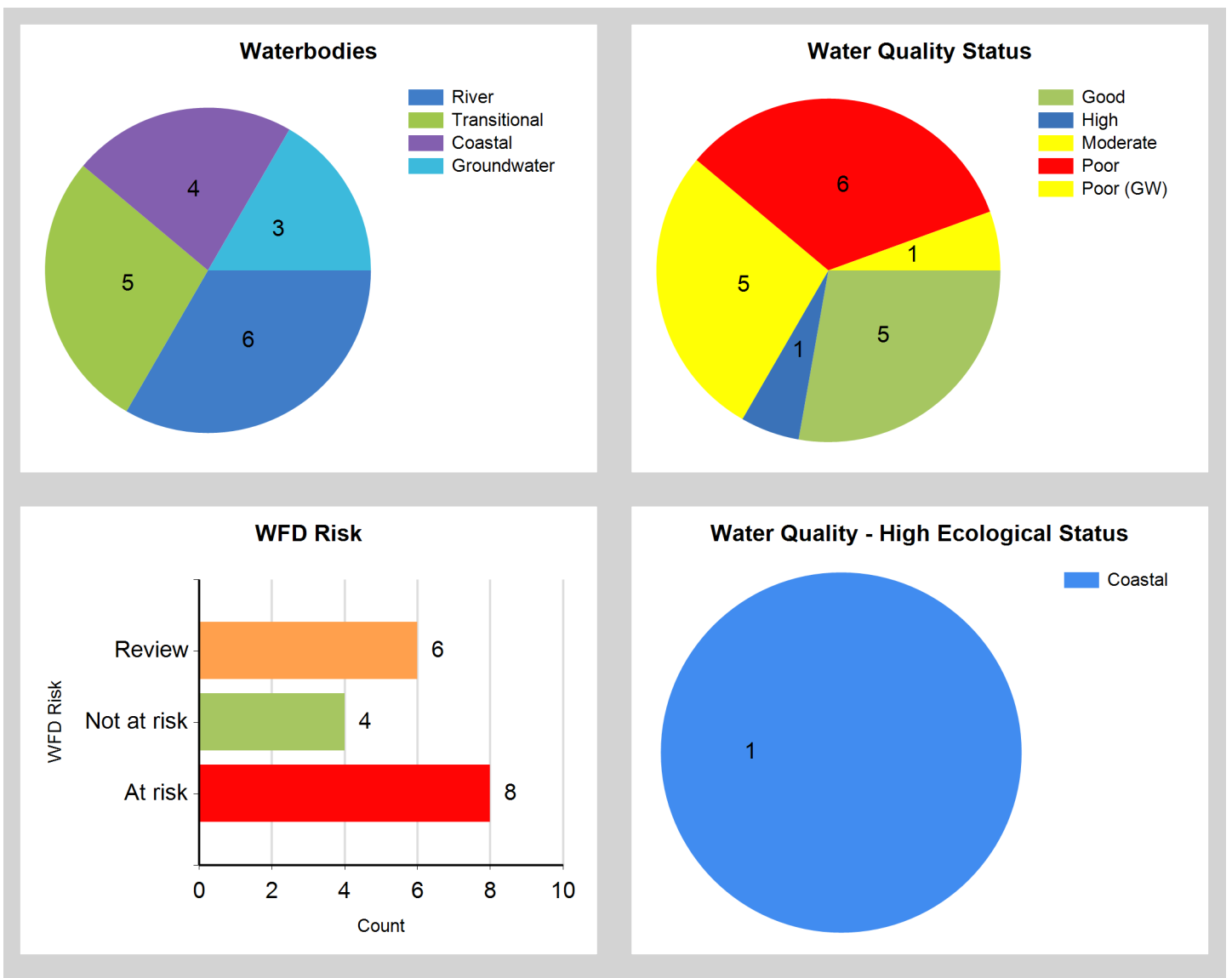
Code 09\_17



## 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 six river water bodies within this subcatchment are At Risk.

Mayne\_010 is At Risk due to Poor ecological status. Nutrients are the significant issue and diffuse urban sources of pollution are the significant pressures. Santry\_010 is At Risk due to Poor ecological status, and diffuse urban sources of pollution and combined sewer overflows are the significant pressures. Santy\_020 is At Risk due to elevated phosphate and ammonia; diffuse urban sources of pollution are also the significant pressures.

The current water quality is unknown on Gaybrook\_010, Howth 09\_010 and Sluice\_010. All three water bodies are in Review.

## 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_09M030500	MAYNE_010	River	At risk	Yes
IE_EA_09S010300	SANTRY_010	River	At risk	Yes
IE_EA_09S011100	SANTRY_020	River	At risk	Yes
IE_EA_08G080700	GAYBROOK_010	River	Review	Yes
IE_EA_09H230880	HOWTH_010	River	Review	Yes
IE_EA_09S071100	SLUICE_010	River	Review	Yes

## 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
GAYBROOK_010	Unassigned	Unassigned	Unassigned	Poor
HOWTH_010	Unassigned	Unassigned	Unassigned	Poor
MAYNE_010	Poor	Poor	Poor	Poor
SANTRY_010	Poor	Poor	Poor	Poor
SANTRY_020	Unassigned	Unassigned	Unassigned	Moderate
SLUICE_010	Unassigned	Unassigned	Unassigned	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
IE_EA_020_0000	Northwestern Irish Sea (HA 08)	Coastal	Fingal County Council	Review
IE_EA_060_0000	Malahide Bay	Coastal	Fingal County Council	At risk
IE_EA_070_0000	Irish Sea Dublin (HA 09)	Coastal	Fingal County Council	Not at risk
IE_EA_090_0000	Dublin Bay	Coastal	Dublin City Council	Not at risk
IE_EA_060_0100	Broadmeadow Water	Transitional	Fingal County Council	At risk
IE_EA_080_0100	Mayne Estuary	Transitional	Fingal County Council	Review
IE_EA_090_0100	North Bull Island	Transitional	Dublin City Council	Review
IE_EA_090_0200	Tolka Estuary	Transitional	Dublin City Council	At risk
IE_EA_090_0300	Liffey Estuary Lower	Transitional	Dublin City 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_008	Dublin	Groundwater	South Dublin County Council	Not at risk
IE_EA_G_008	Dublin	Groundwater	South Dublin County Council	Review
IE_EA_G_011	Swords	Groundwater	Fingal County Council	Not at risk
IE_EA_G_086	Industrial Facility (P0480-02)	Groundwater	Fingal County Council	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
IEPA1_EA_G_008	Dublin	Drinking Water	GAYBROOK_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	HOWTH_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	MAYNE_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	SANTRY_010	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	SANTRY_020	Within Protected Area
IEPA1_EA_G_008	Dublin	Drinking Water	SLUICE_010	Within Protected Area
IEPA1_EA_G_011	Swords	Drinking Water	SLUICE_010	Within Protected Area
IEPA1_EA_G_086	Industrial Facility (P0480-02)	Drinking Water	SLUICE_010	Within Protected Area
IETW_EA_2001_00 26	Broadmeadow Estuary (Inner)	Nutrient Sensitive Area	GAYBROOK_010	Overlapping / partly within Protected Area
IETW_EA_2001_00 27b	Tolka Estuary	Nutrient Sensitive Area	SANTRY_020	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	Created In
IE_EA_060_0100	Broadmeadow Water	At risk	Domestic Waste Water	Single House Discharges	WFD Cycle 2
IE_EA_090_0200	Tolka Estuary	At risk	Urban Waste Water	Combined Sewer Overflows	WFD Cycle 2
IE_EA_G_086	Industrial Facility (P0480-02)	At risk	Industry	IPC	WFD Cycle 2
IE_EA_080_0100	Mayne Estuary	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_09S010300	SANTRY_010	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_EA_08G080700	GAYBROOK_010	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_090_0300	Liffey Estuary Lower	At risk	Urban Waste Water	Agglomeration PE > 10,000	WFD Cycle 2
IE_EA_060_0000	Malahide Bay	At risk	Urban Waste Water	Agglomeration PE > 10,000	WFD Cycle 2
IE_EA_09S011100	SANTRY_020	At risk	Urban Waste Water	Combined Sewer Overflows	WFD Cycle 2
IE_EA_090_0100	North Bull Island	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_09S011100	SANTRY_020	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_EA_09S071100	SLUICE_010	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_060_0100	Broadmeadow Water	At risk	Urban Waste Water	Agglomeration PE > 10,000	WFD Cycle 2
IE_EA_090_0300	Liffey Estuary Lower	At risk	Urban Waste Water	Combined Sewer Overflows	WFD Cycle 2
IE_EA_020_0000	Northwestern Irish Sea (HA 08)	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_09M030500	MAYNE_010	At risk	Urban Run-off	Diffuse Sources Run-Off	WFD Cycle 2
IE_EA_09H230880	HOWTH_010	Review	Anthropogenic Pressures	Unknown	WFD Cycle 2
IE_EA_09S010300	SANTRY_010	At risk	Urban Waste Water	Combined Sewer Overflows	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_08G080700	GAYBROOK_010	IA3 Determination of Water Quality (unassigned waterbody)	Fingal County Council	WFD Cycle 2
IE_EA_09S010300	SANTRY_010	IA6 Multiple Sources in Large Urban Area	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09H230880	HOWTH_010	IA1 Provision of Information	Environmental Protection Agency	WFD Cycle 2
IE_EA_09S011100	SANTRY_020	IA2 Point Source Desk Based Assessment	Local Authority Waters Programme (LAWPRO)	WFD Cycle 2
IE_EA_09S071100	SLUICE_010	IA3 Determination of Water Quality (unassigned waterbody)	Fingal County Council	WFD Cycle 2
IE_EA_09M030500	MAYNE_010	IA6 Multiple Sources in Large Urban Area	Fingal County Council	WFD Cycle 2