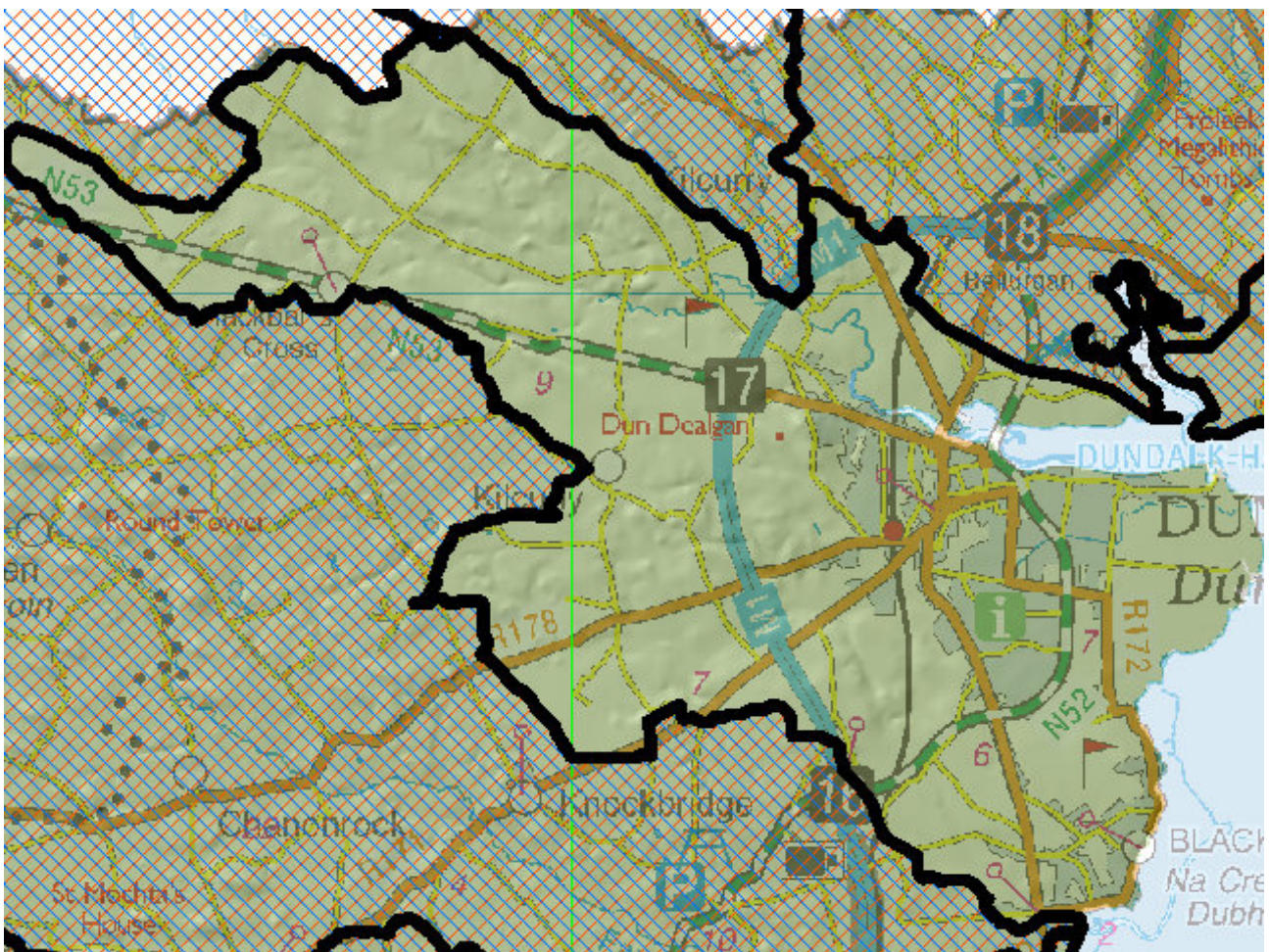


WFD Cycle 2

Catchment Newry, Fane, Glyde and Dee

Subcatchment Castletown_SC_020

Code 06_12



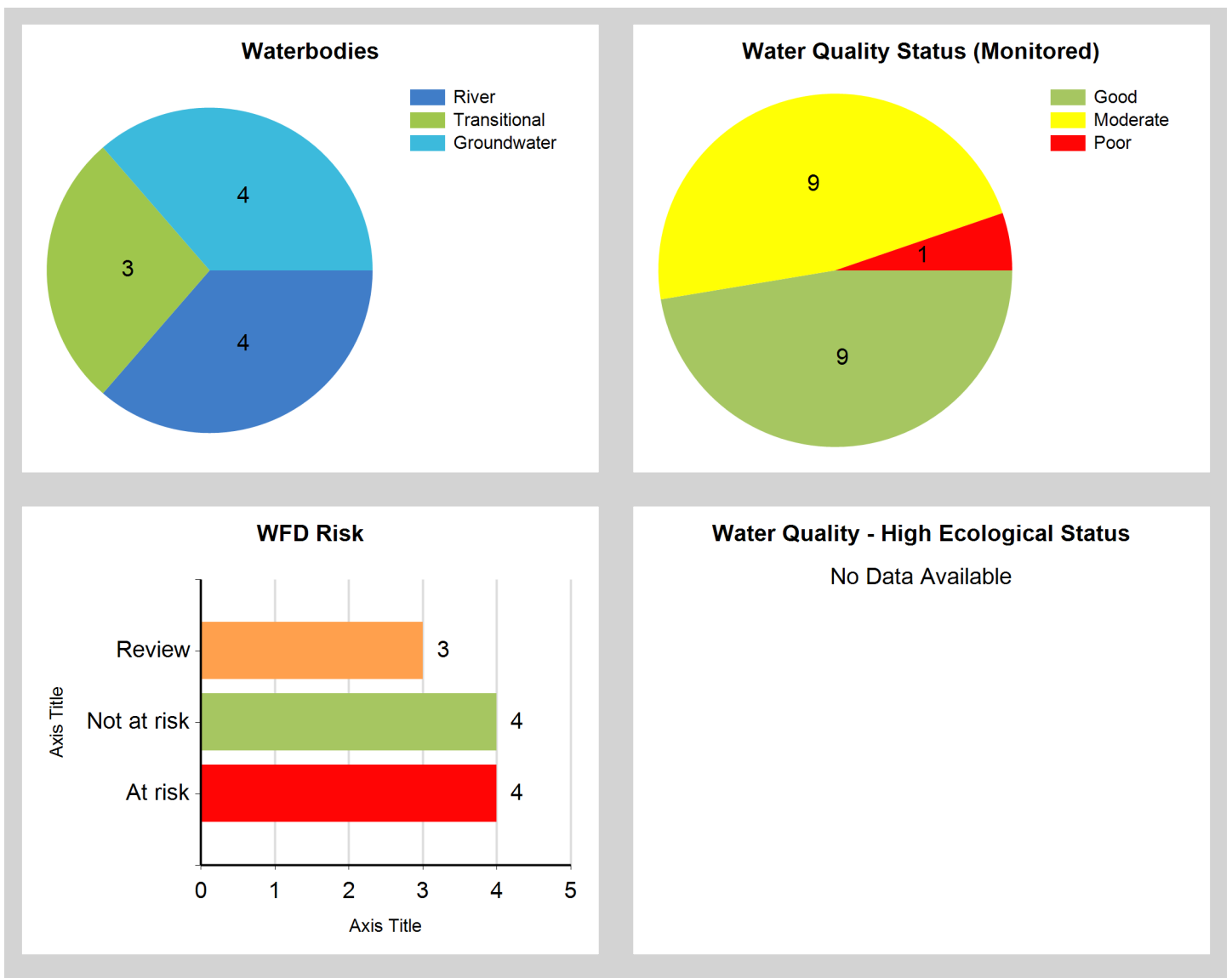
© Ordnance Survey Ireland. All rights reserved. Licence Number EN 0059208

Generated on: 07 Nov 2018

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

Two out of four river water bodies within the subcatchment are At Risk: Castletown_020 and Castletown_030. Ramparts_010 is under Review as it is unassigned but there are potential pressures in the subbasin. Haggardstown_010 is unassigned but considered to be Not at Risk as there are no known issues within the water body subbasin.

The Castletown water bodies show impacted ecological status, likely attributable to a combination of elevated phosphate from agricultural sources (pastures and livestock access), as well as diffuse urban sources. Urban wastewater treatment and hydromorphology issues may be impacting Ramparts_010.

Map Subcatchment Risk Map

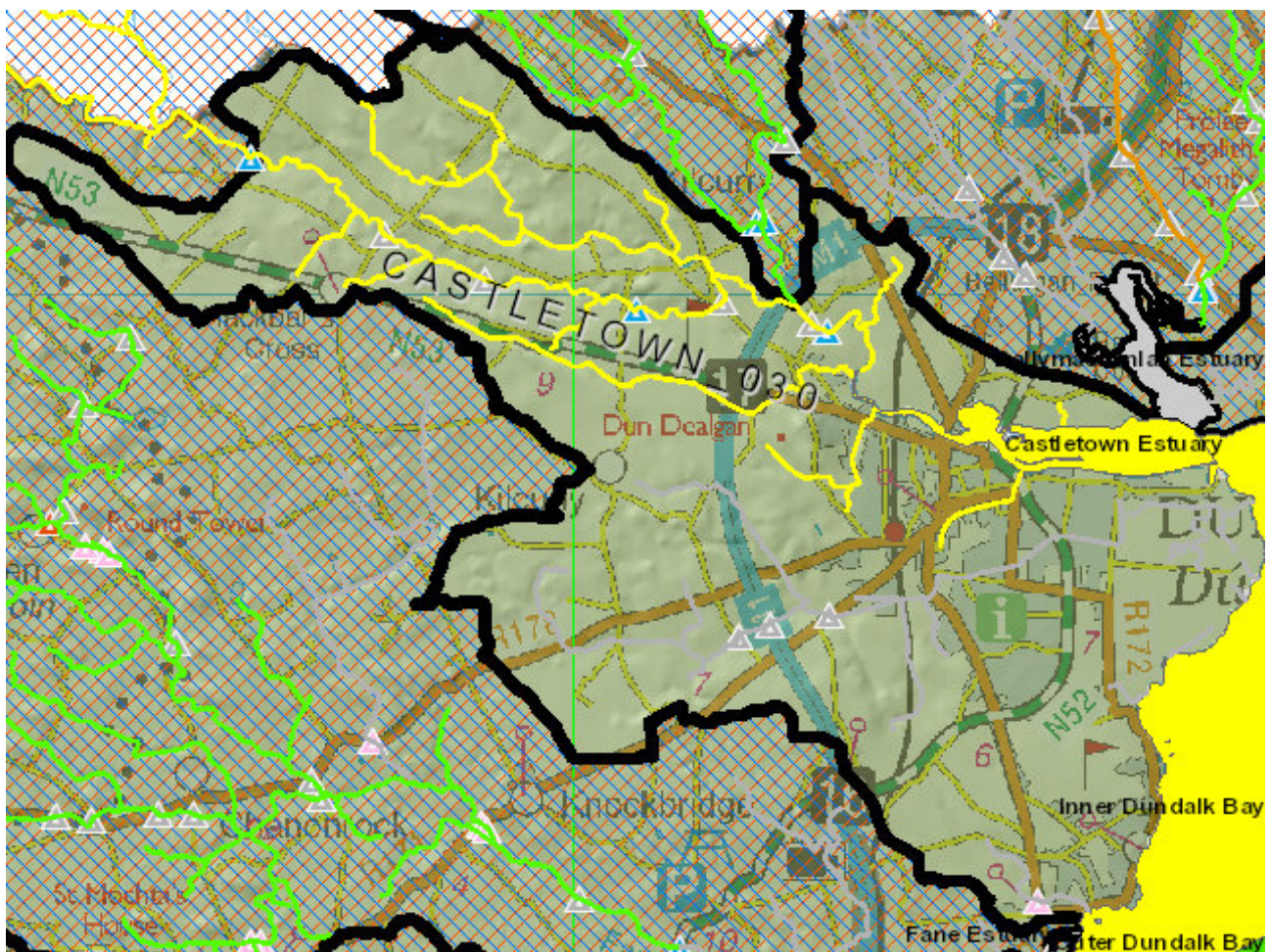


River And Lake Waterbodies: WFD Risk

The following river and lake waterbodies are in the subcatchment.

| Code | Name | Type | WFD Risk | Significant Pressure |
|-----------------|------------------|-------|-------------|----------------------|
| IE_NB_06C010200 | CASTLETOWN_020 | River | At risk | Yes |
| IE_NB_06C010310 | CASTLETOWN_030 | River | At risk | Yes |
| IE_NB_06R010300 | RAMPARTS_010 | River | Review | No |
| IE_NB_06H080570 | HAGGARDSTOWN_010 | 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_NB_06C010200 | CASTLETOWN_020 | River | Unassigned | Poor | Moderate |
| IE_NB_06C010310 | CASTLETOWN_030 | River | Good | Moderate | Moderate |
| IE_NB_06H080570 | HAGGARDSTOWN_010 | River | Unassigned | Unassigned | Unassigned |
| IE_NB_06R010300 | RAMPARTS_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_NB_040_0100 | Inner Dundalk Bay | Transitional | Louth County Council | At risk |
| IE_NB_040_0200 | Castletown Estuary | Transitional | Louth County Council | At risk |
| IE_NB_040_0300 | Ballymascanlan Estuary | Transitional | Louth County Council | Review |

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_NB_G_015 | Dundalk | Groundwater | Louth County Council | Not at risk |
| IE_NB_G_031 | Dundalk Gravels | Groundwater | Louth County Council | Not at risk |
| IE_NB_G_044 | Waste Facility (W0034-03) | Groundwater | Louth County Council | Not at risk |
| IEGBNI_NB_G_019 | Louth | Groundwater | Louth 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 |
|------------------------|--------------------|-------------------------|------------------|--|
| IE0000455 | Dundalk Bay SAC | SAC | HAGGARDSTOWN_010 | Overlapping / partly within Protected Area |
| IE0000455 | Dundalk Bay SAC | SAC | RAMPARTS_010 | Overlapping / partly within Protected Area |
| IE0004026 | Dundalk Bay SPA | SPA | RAMPARTS_010 | Overlapping / partly within Protected Area |
| IE0004026 | Dundalk Bay SPA | SPA | HAGGARDSTOWN_010 | Overlapping / partly within Protected Area |
| IE0004026 | Dundalk Bay SPA | SPA | CASTLETOWN_030 | Overlapping / partly within Protected Area |
| IEGBNIRI_NB_2001_0038 | Castletown (River) | Nutrient Sensitive Area | CASTLETOWN_030 | Overlapping / partly within Protected Area |
| IEGBNITW_NB_2001_0038a | Castletown Estuary | Nutrient Sensitive Area | CASTLETOWN_030 | Overlapping / partly within Protected Area |
| IEGBNITW_NB_2001_0038b | Inner Dundalk Bay | Nutrient Sensitive Area | HAGGARDSTOWN_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_NB_040_0100 | Inner Dundalk Bay | At risk | Urban Waste Water | Agglomeration PE of 2,001 to 10,000 |
| IE_NB_040_0100 | Inner Dundalk Bay | At risk | Urban Waste Water | Agglomeration PE > 10,000 |
| IE_NB_040_0200 | Castletown Estuary | At risk | Urban Waste Water | Agglomeration PE > 10,000 |
| IE_NB_06C010200 | CASTLETOWN_020 | At risk | Agriculture | Agriculture |
| IE_NB_06C010200 | CASTLETOWN_020 | At risk | Agriculture | Pasture |
| IE_NB_06C010310 | CASTLETOWN_030 | At risk | Urban Run-off | Diffuse Sources Run-Off |
| IE_NB_06C010310 | CASTLETOWN_030 | At risk | Agriculture | Pasture |
| IE_NB_040_0300 | Ballymascanlan Estuary | Review | Anthropogenic Pressures | Unknown |
| IEGBNI_NB_G_019 | Louth | 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_NB_06C010200 | CASTLETOWN_020 | IA5 Multiple Sources in defined rural area (1km) or waterbody or rural town | Louth County Council |
| IE_NB_06R010300 | RAMPARTS_010 | IA3 Determination of Water Quality (unassigned waterbody) | Louth County Council |
| IE_NB_06C010310 | CASTLETOWN_030 | IA6 Multiple Sources in Large Urban Area | Louth County Council |
| IE_NB_06C010310 | CASTLETOWN_030 | IA3 Determination of Water Quality (unassigned waterbody) | Louth County Council |