3rd Cycle Draft Gweebarra-Sheephaven Catchment Report (HA 38)

Catchment Science & Management Unit

Environmental Protection Agency

August 2021

Version no. 1

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Preface

This document provides a summary of the water quality assessment outcomes for the Gweebarra-Sheephaven Catchment, which have been compiled and assessed by the EPA, with the assistance of the Local Authority Waters Programme (LAWPRO), local authorities and RPS consultants to inform the draft 3rd Cycle River Basin Management Plan. The information presented includes status and risk categories of all waterbodies, details on protected areas, significant issues, significant pressures, source load apportionment modelling and load reduction assessments for nutrients where applicable, an overview of the 2nd Cycle Areas for Action and a list of proposed 3rd Cycle Areas for Action. These characterisation assessments are largely based on information available to the end of 2018, including the WFD Status Assessment for 2013-2018. Protected Area assessments are based on water quality information up to 2018 for Natura 2000 and Salmonid Waters; 2019 for Drinking Water; and 2020 for Nutrient Sensitive Areas and Bathing Waters.

The purpose of this draft report is to provide an overview of the situation in the catchment, draw comparison between Cycle 2 and Cycle 3, and help support the draft River Basin Management Plan 2022-2027 consultation process. Once the consultation process is completed the report will be finalised to reflect any changes and comments made as a result of the consultation process.

Water Framework Directive – key dates and terminology	
Cycle 2 – EPA Characterisation and Assessment	Characterisation and assessment to inform the Cycle 2 RBMP was largely based on 2010-2015 WFD monitoring data.
Cycle 2 Catchment Assessments	Catchment Assessments based on the Cycle 2 characterisation and assessment were published in September 2018.
2nd Cycle River Basin Management Plan (RBMP) 2018-2021	This plan was for WFD Cycle 2 which runs from 2016-2021. This RBMP was published late, with this plan covering 2018-2021.
2nd Cycle Areas for Action	These 189 Areas for Action were selected under the RBMP 2018-2021
Cycle 3 -EPA Characterisation and Assessment	Cycle 3 runs from 2022-2027. Assessments to inform the Cycle 3 RBMP is largely based on 2013-2018 WFD monitoring data. This is the latest WFD monitoring assessment period for which all data are available.
Cycle 3 Catchment Assessments	Catchment Assessments based on the Cycle 3 characterisation and assessment were published in August 2021.
3rd Cycle River Basin Management Plan 2022-2027	This draft RBMP is for WFD Cycle 3 which runs from 2022-2027. Public consultation on this plan by the DHLGH and LAWPRO is taking place in late 2021 and early 2022.
3rd Cycle Recommended Areas for Action – Protection/ Restoration/Projects	These recommended Areas for Action have been identified in the draft RBMP 2022-2027 and feedback can be given in the public consultation on this plan. They fall into 3 categories – Areas for Protection, Areas for Restoration and Catchment Projects.

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1 Introduction

This report aims to provide an overview of the water quality status, risk, key issues and significant pressures for all waterbodies in the catchment based on the Characterisation Assessment undertaken for the 3rd Cycle River Basin Management Plan. In addition, a comparative overview of the water quality in the Gweebarra-Sheephaven catchment between Cycle 2 and Cycle 3 characterisation is provided along with a summary of the progress made in the 2nd Cycle Areas for Action. The recommended list for the 3rd Cycle Areas for Action is also provided.

To provide context, the Gweebarra-Sheephaven catchment includes the area drained by all streams entering tidal water in Gweebarra River, Sheephaven Bay and between Rossan Point and Fanad Head, Co. Donegal, draining a total area of 1,450km² (Figure 1). The largest urban centre in the catchment is Falcarragh. The other main urban centres in this catchment are Glenties, Dunglow, Dunfanaghy, Creeslough and Carrowkeel. The total population of the catchment is approximately 28,130 with a population density of 19 people per km².

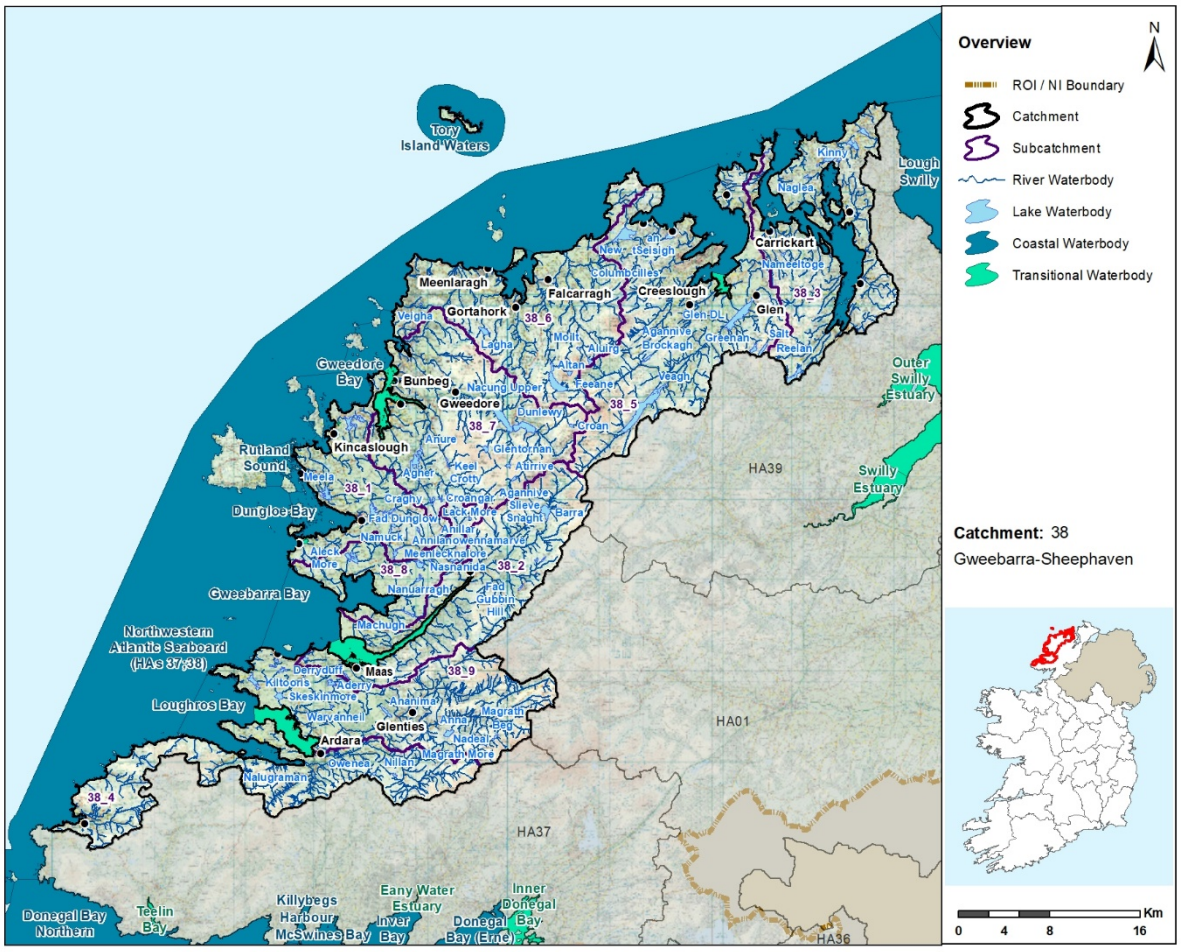


Figure 1: Overview of subcatchments in the Gweebarra-Sheephaven catchment

The Gweebarra-Sheephaven catchment is divided into nine subcatchments (Figure 1) with 88 river waterbodies, 83 lake waterbodies, 10 transitional waterbodies, 14 coastal waterbodies and five groundwater bodies (Figure 2).

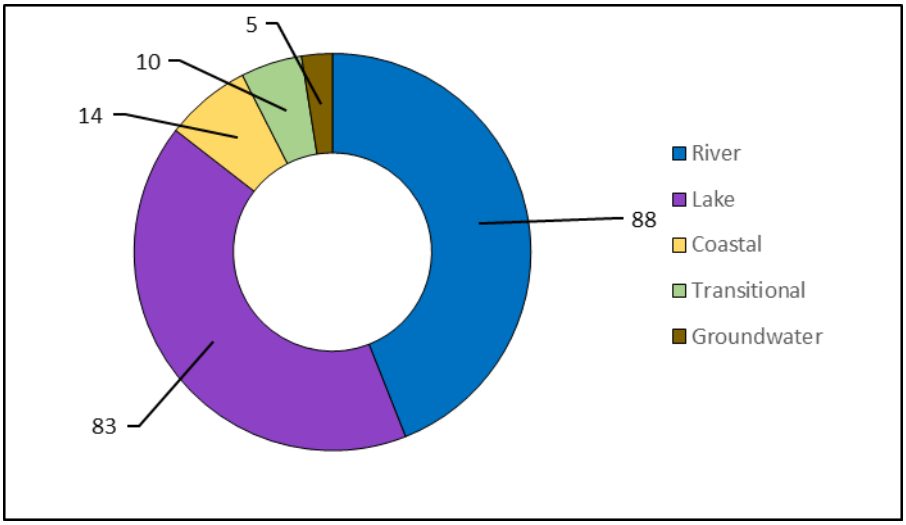


Figure 2: Waterbody types and numbers in the Gweebarra-Sheephaven Catchment.

2 Waterbody Overview

2.1 Waterbody Status

- This assessment to inform the 3rd Cycle RBMP is largely based on WFD monitoring data for the period 2013-2018, which is the latest WFD monitoring assessment period for which all data are available.

- For this assessment to inform Cycle 3, there are 10 waterbodies achieving High Status, 53 achieving Good Status, 10 achieving Moderate Status and six achieving Poor Status. There are 121 waterbodies that do not have status assigned for Cycle 3. All waterbodies must achieve at least Good Ecological status.

- There are six lake waterbodies, 18 river waterbodies, one transitional waterbody and three coastal waterbodies that must achieve High Ecological Status (HES) in this catchment. These waterbodies are listed in Appendix 1. Of the 28 HES Environmental Objective waterbodies, eight are achieving High Status (seven river waterbodies and one coastal waterbody), 18 are at Good Status and two are unassigned.

- There have been reductions of two waterbodies achieving High Status, five waterbodies (three river waterbodies, one lake waterbody and one coastal waterbody) achieving Moderate Status and five waterbodies (all river waterbodies) achieving Poor Status between Cycle 2 and Cycle 3. There have been increases in 12 waterbodies achieving Good Status (Figure 3 & Table 1).

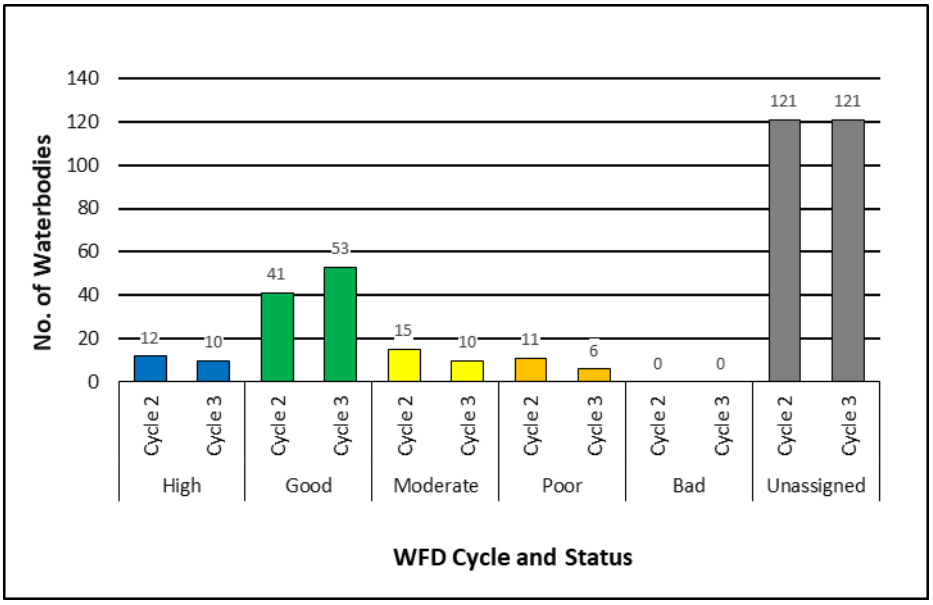


Figure 3: Waterbody Status Breakdown (All waterbodies)

Table 1: Waterbody Status Breakdown Table (All Waterbodies)

2013-2018 Status	River		Lake		Transitional		Coastal		Groundwater		Total	
	Cycle 2	Cycle 3	Cycle 2	Cycle 3	Cycle 2	Cycle 3	Cycle 2	Cycle 3	Cycle 2	Cycle 3	**Cycle 2**	**Cycle 3**
High	8	9	2	0	0	0	2	1	0	0	**12**	**10**
Good	24	31	10	13	1	1	1	3	5	5	**41**	**53**
Moderate	10	7	4	3	0	0	1	0	0	0	**15**	**10**
Poor	11	6	0	0	0	0	0	0	0	0	**11**	**6**
Bad	0	0	0	0	0	0	0	0	0	0	**0**	**0**
Un-assigned	35	35	67	67	9	9	10	10	0	0	**121**	**121**
Total	88	88	83	83	10	10	14	14	5	5	**200**	**200**

- Figure 4 illustrates the change in status between Cycle 2 (assessment based largely on 2010-2015 WFD Monitoring data) and Cycle 3 (assessment largely based on 2013-2018 WFD monitoring data.

- Over this period, 17 (22%) waterbodies have improved in status, 53 (67%) waterbodies have remained unchanged and nine (11%) waterbodies have declined in status.[1]

- There is an improvement in the status of eight waterbodies across the catchment since the Cycle 2 assessment.

[1] Unassigned waterbodies have not been considered in this Status class change assessment and therefore are not represented in Figure 4. Percentage displayed in the Figure 4 are in relation to the total number of waterbodies with status assigned in both cycles, as opposed to total number of all waterbodies.

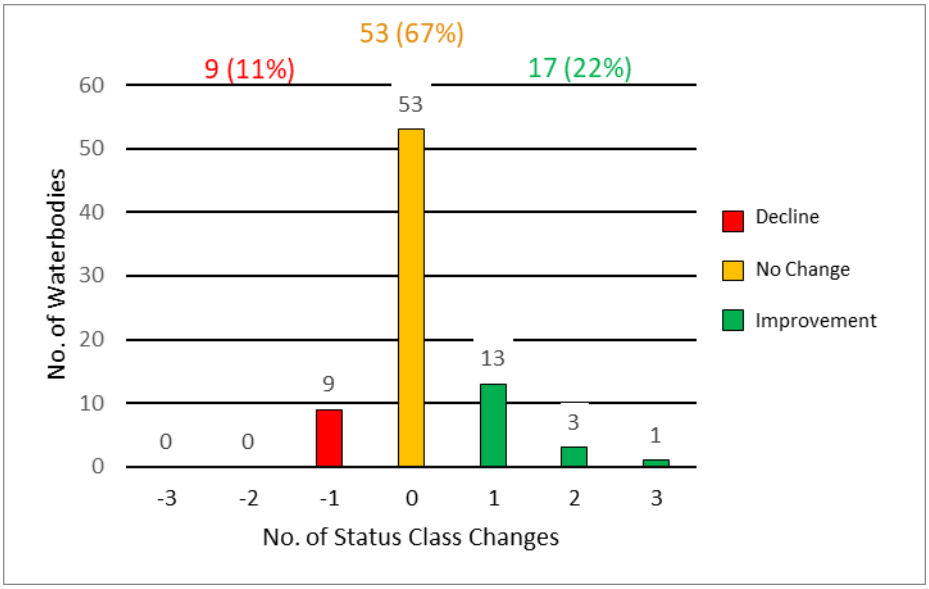


Figure 4: Status Class Changes between Cycle 2 and Cycle 3

2.2 Protected Areas

2.2.1 Drinking Water

- There are 13 surface waterbodies in the catchment identified as Drinking Water Protected Areas (DWPA) based on water abstraction data on the abstraction register and from other sources in 2018. All groundwater bodies nationally are identified as DWPA. DWPA layers can be viewed at https://gis.epa.ie/EPAMaps/Water - see *Protected Areas - Drinking Water*.

- All waterbodies in the catchment met the DWPA objective in 2019.

- For more detailed information please see the EPA reports on drinking water quality in 2019 for Public Supplies[2] and Private Supplies[3].

2.2.2 Bathing Waters

- There are 11 bathing waters in or directly adjacent to the catchment identified under the Bathing Water Regulations 2008.

- Portnarthur (Derrybeg) and Portnablagh both had a Good Classification for 2020, the remaining nine had an Excellent classification.

- For more detailed information please see the EPA report on bathing water quality in 2020[4].

2.2.3 Shellfish Areas

- There are seven designated shellfish areas in the catchment. Sheephaven shellfish area was not surveyed in 2018.

[2] https://www.epa.ie/publications/compliance--enforcement/drinking-water/annual-drinking-water-reports/drinking-water-quality-in-public-supplies-2019.php

[3] https://www.epa.ie/publications/compliance--enforcement/drinking-water/annual-drinking-water-reports/focus-on-private-water-supplies-2019.php

[4] https://www.epa.ie/publications/monitoring--assessment/freshwater--marine/bathing-water-quality-in-ireland-2020-.php

- The Marine Institute assessed the average dissolved concentrations for metals in shellfish waters for the period 2016-2019 and the microbial quality in shellfish flesh for 2018. This assessment was used to determine if the WFD protected area objective for shellfish areas was met.

- Details on the shellfish area and its associated waterbody is summarised in Table 2.

Table 2: Designated shellfish areas in the catchment

Shellfish Area		Water body Intersection		Objective met?	
Name	**Code**	**Name**	**Code**	**Yes**	**No**
Loughras Beg	IEPA2_0036	Loughros Bay	IE_NW_110_0000	✓	
Gweebara Bay	IEPA2_0037	Gweebarra Estuary	IE_NW_120_0100	✓	
Trawenagh Bay	IEPA2_0038	Trawena Bay	IE_NW_130_0000	✓	
		Gweebarra Bay	IE_NW_120_0000		
Dunglow	IEPA2_0039	Dungloe Bay	IE_NW_140_0000	✓	
Gweedore Bay	IEPA2_0040	Gweedore Estuary	IE_NW_160_0200		✓
		Meenaclady	IE_NW_160_0500		
		Gweedore Bay	IE_NW_160_0000		
Sheephaven	IEPA2_0041	Lackagh Estuary	IE_NW_190_0100	N/A	
		Sheephaven Bay	IE_NW_190_0000		
Mulroy Bay	IEPA2_0013	Mulroy Bay Northwater	IE_NW_210_0000	✓	
		Mulroy Bay Broadwater	IE_NW_200_0000		

The locations of Protected Areas associated with Public Health (Drinking Water, Bathing Water and Shellfish Areas, where applicable) are illustrated in Figure 5 below.

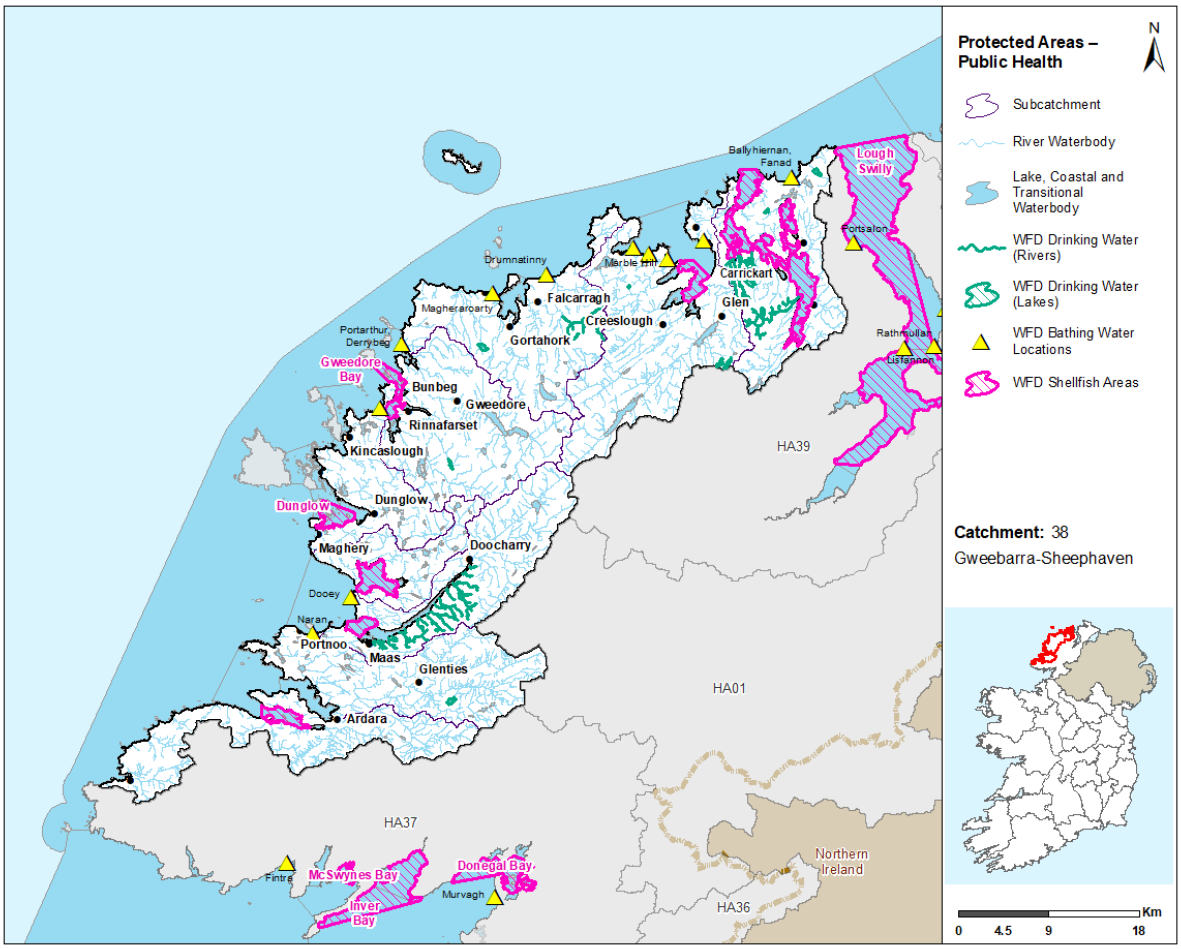


Figure 5: Protected Areas – Public Health

2.2.4 Natura 2000 Sites

- Many of the habitats and species listed for protection in the Birds and Habitats Directives are water dependent. The Special Protection Areas (SPAs) and Special Areas of Conservation (SACs) with water dependent habitats or species in this catchment are presented in Figure 6, along with waterbodies designated as salmonid waters (S.I. No. 293 of 1988) and waterbodies with Fresh Water Pearl Mussel habitat, where identified.

- There are 23 SACs in this catchment, 22 of which have water dependent habitats or species. The waterbodies within these SACs were assessed for associated water dependent habitats and species and if they met the supporting requirements for habitats and species using their 2013-2018 WFD status. For the purposes of the assessment, it was assumed that Good ecological status is adequate to meet the supporting conditions of all habitats and species with the exception of the Freshwater Pearl Mussel, which has additional requirements for supporting conditions set out in the Freshwater Pearl Mussel Regulations (S.I. No 296 of 2009) for macroinvertebrates, filamentous algae, phytobenthos, macrophytes and siltation.

- Specific water supporting conditions have not been identified for the dependent bird species in the SPAs and so waterbodies associated with SPAs are not included in this assessment.

Results of the overall assessment for this catchment are outlined in

Table 3 below, information at a waterbody level can be viewed at Catchments.ie.[5]

Table 3: Natura 2000 Network Assessment Summary

Water Body Type	Total No.	Meeting the Requirements	Did not meet the Requirements	Unknown*
Rivers	68	28	14	26
Lakes	62	52	8	2
Transitional & Coastal	14	9	5	0

**As the waterbody status was unassigned.*

- There are eight river waterbodies with FWPM habitats. Two of which had achieved the required macroinvertebrate standard as set out in the FWPM Regulations, one waterbody was not assessed.
- There are no groundwater bodies delineated and assessed as Groundwater Dependent Terrestrial Ecosystems for this catchment.
- Water dependent SACs/ SPAs (including FWPM SAC sub-catchments) in the catchment are illustrated in Figure 6.

[5] https://www.catchments.ie/download/catchments-assessments-protected-areas-supporting-documents/

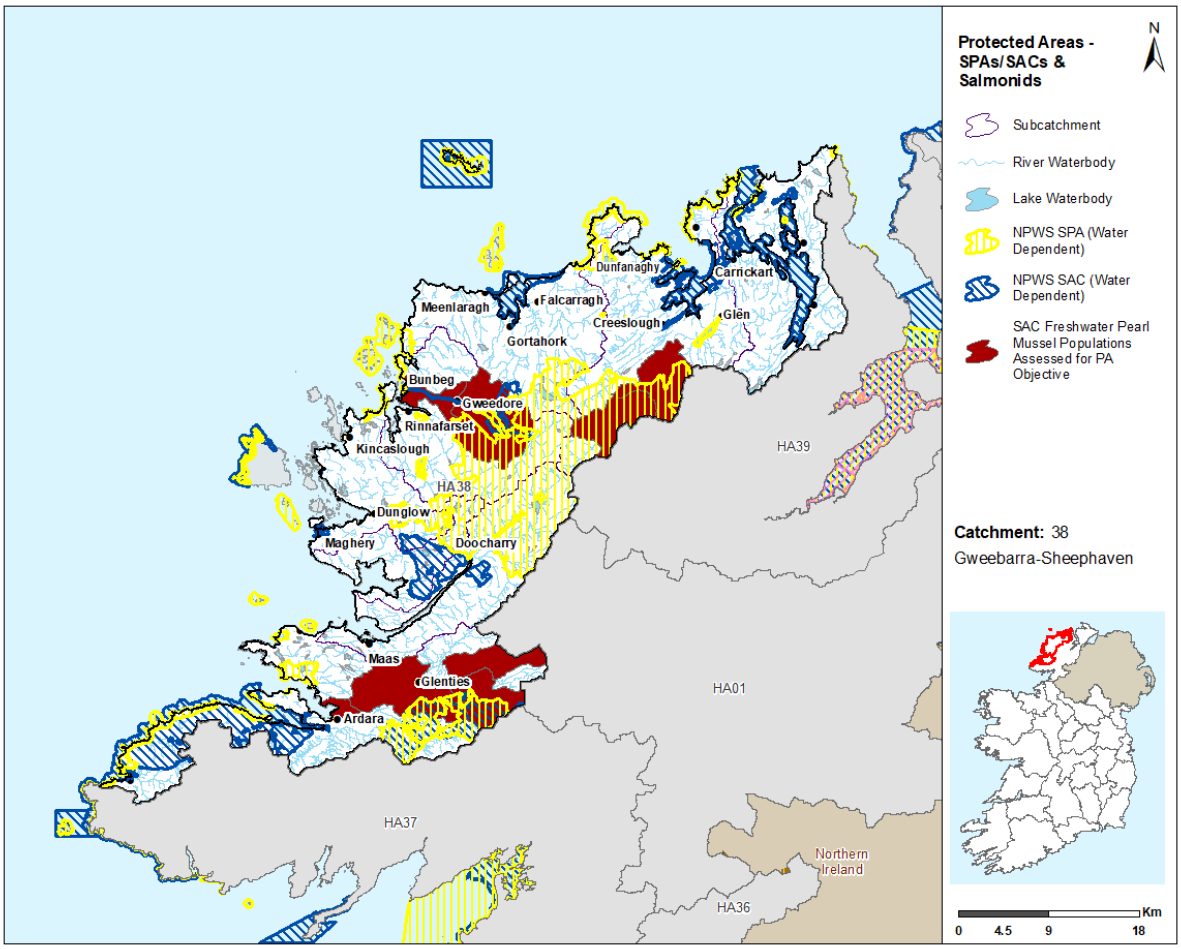


Figure 6: Water Dependent SPAs / SACs

2.2.5 Nutrient Sensitive Areas

- There are no Nutrient Sensitive Areas in the catchment.

2.3 Heavily Modified Waterbodies

- Based on the 1st and 2nd RBMPs there are currently three designated heavily modified water bodies (HMWBs) in the catchment – Nacung (Upper) and Dunlewy lake waterbodies – due to power generation and Salt lake waterbody due to a drinking water abstraction. Nacung (Upper) and Dunlewy were Unassigned while Salt was classified as having Good Ecological Potential in 2010-2015. There has been no change in Status in the 2016-2018 period. There will be a consultation period on HMWBs for the 3rd Cycle RBMP and this will be completed for inclusion in the 3rd Cycle Final RBMP.

2.4 Artificial Waterbodies

- There are no artificial waterbodies in the Gweebarra-Sheephaven Catchment.

3 Waterbody Risk

3.1 Overview of Risk

- A waterbody that is *At Risk* means that either the waterbody is currently not achieving its Water Framework Directive (WFD) environmental objective of Good or High Ecological Status or that there is an upward trend in nutrients or ammonia and if this trend continues the waterbody Status will decline by the end of Cycle 3 and will fail to meet its environmental objective.

- A waterbody can be considered as *Review* for the following three reasons:
    - The waterbody does not have status assigned to it yet, it is referred to as an unassigned waterbody, and therefore there is not enough evidence to determine if it is *At Risk* or *Not At Risk*.
    - The waterbody has shown some slight evidence or improvement, but more evidence is needed before it can be considered as *Not At Risk.*
    - Measures are planned or have already been implemented for the waterbody and no further measures should be applied until there is enough time to assess if these measures are working.

- A waterbody is *Not At Risk* when it is achieving its environmental objective of either High or Good Status and that there is no evidence indicating that there is a trend towards status decline.

- In total, there are 200 waterbodies in the Gweebarra-Sheephaven Catchment and 24 (12%) are currently *At Risk*, 52 (26%) in *Review* and 124 (62%) are *Not At Risk*.

3.2 Surface Waters

- For the 88 rivers waterbodies, 14 (16%) are *At Risk*, 31 (35%) are in *Review* and 43 (49%) are *Not At Risk*.

- For the 83 lake waterbodies, nine (11%) are *At Risk*, eight (10%) are in *Review* and 66 (80%) are *Not At Risk.*

- For the 10 transitional waterbodies, five (50%) are in *Review* and five (50%) are *Not At Risk*.

- For the 14 coastal waterbodies, one (7%) is *At Risk*, eight (57%) are in *Review* and five (36%) are *Not At Risk*. Mulroy Bay Broadwater is the coastal waterbody *At Risk* in the catchment.

- The largest proportion of *At Risk* waterbodies are found in river waterbodies, accounting for 14 (58%) of 24 *At Risk* waterbodies. Figure 7 gives an overview of the breakdown of risk across waterbody types for both Cycle 2 and Cycle 3.

- Overall, there is a reduction of six *At Risk* waterbodies, a reduction of five *Not At Risk* waterbodies and an increase in 12 *Review* waterbodies between Cycle 2 and Cycle 3.

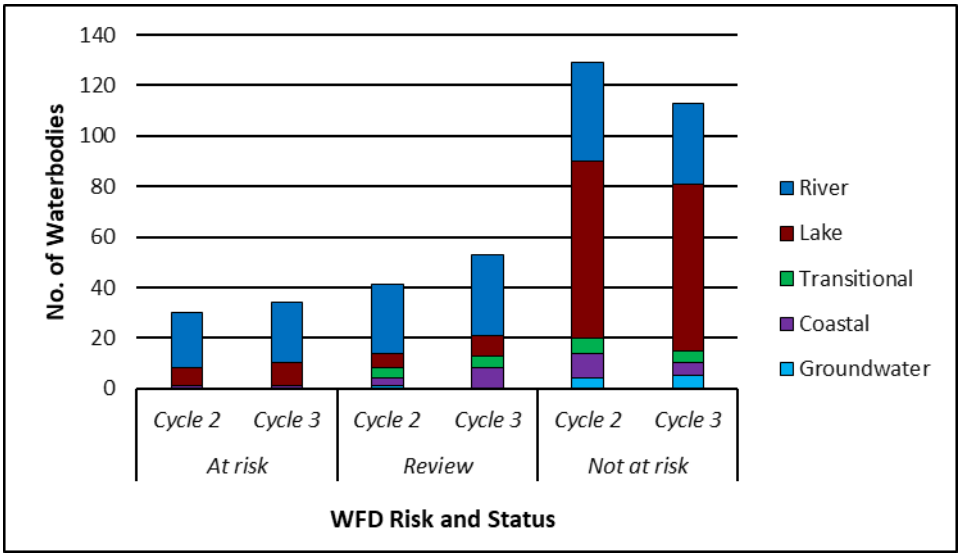


Figure 7: Number of waterbodies in each risk category

- The location of the *At Risk, Review and Not At Risk* surface waterbodies for Cycle 3 are shown in Figure 8 while the surface waterbodies that have experienced a change in risk between Cycle 2 and Cycle 3 are shown in Figure 9.

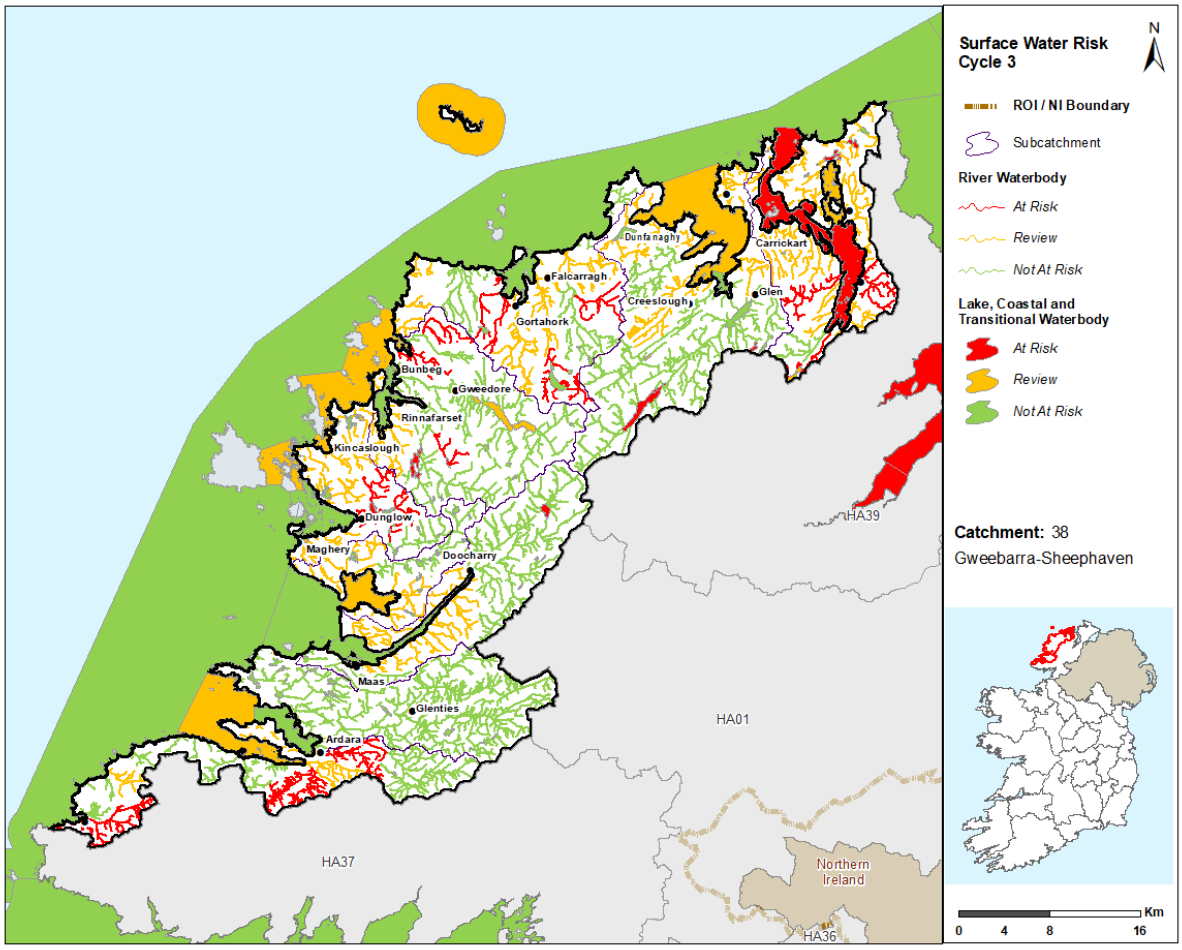


Figure 8: Surface Water Risk Cycle 3

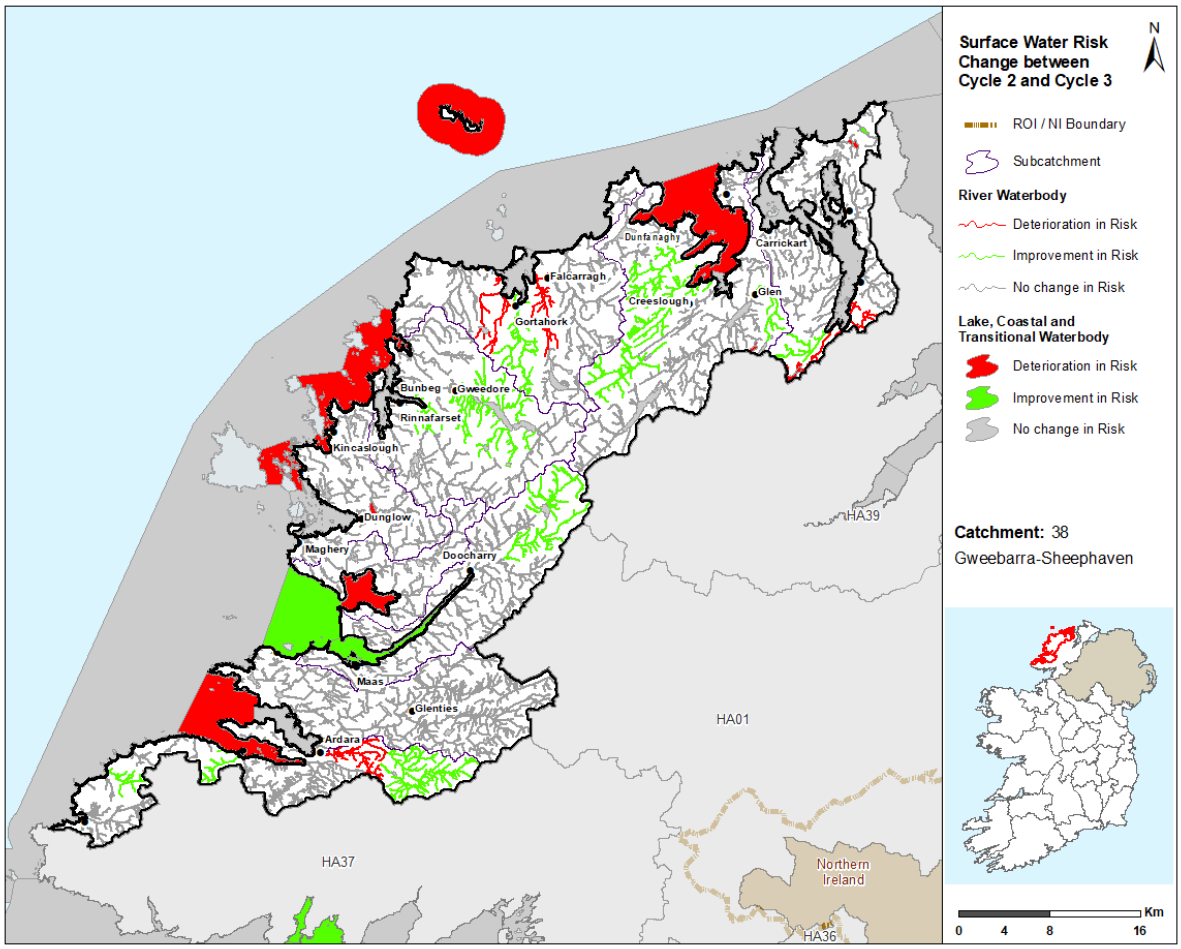


Figure 9: Surface Water Risk Change between Cycle 2 and Cycle 3

3.3 Groundwater

- All five groundwater bodies in the catchment are *Not At Risk*.

- In Cycle 2, there were no *At Risk* groundwater bodies in this catchment, one in *Review* and four *Not At Risk*.

3.4 Heavily Modified Waterbodies

- Neither of the three designated heavily modified water bodies (HMWBs) in the catchment are *At Risk*– Nacung (Upper) and Dunlewy lake waterbodies are in *Review* and Salt lake waterbody is classed as *Not At Risk*. There may be changes to HMWB designation once the Cycle 3 HMWB assessment has been completed and consulted on for the 3rd Cycle Final RBMP.

3.5 Artificial Waterbodies

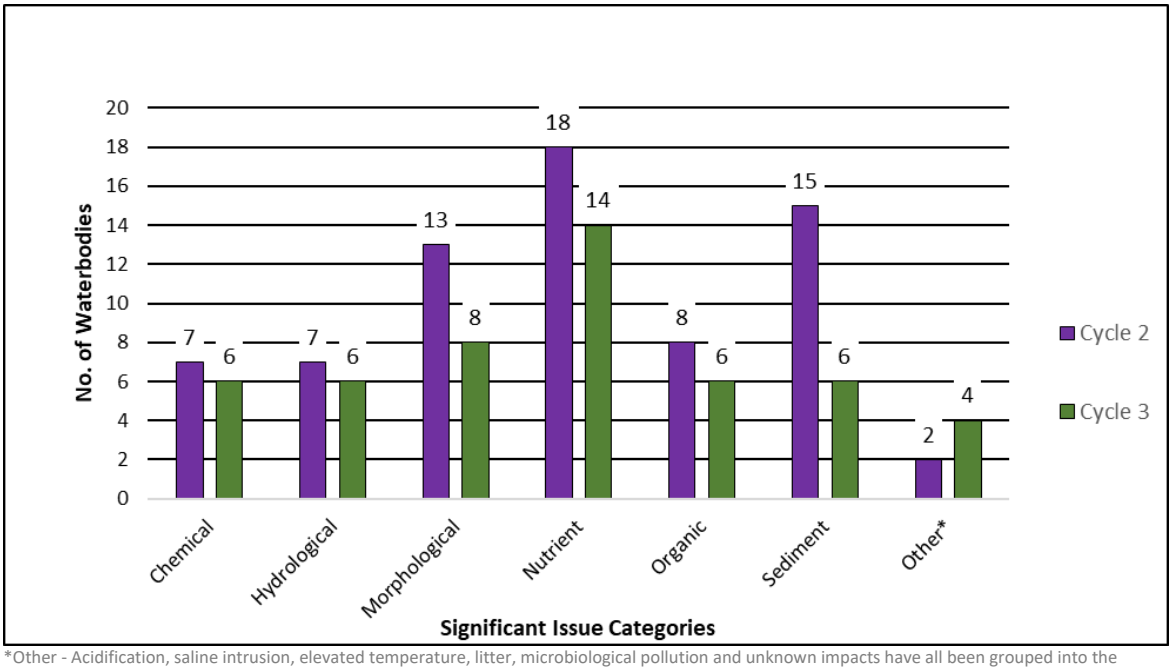
- As stated in Section 2.4, there are no artificial waterbodies in the Gweebarra-Sheephaven Catchment.

4 Significant Issues in *At Risk* Waterbodies

4.1 All Waterbodies

- Despite a significant improvement since Cycle 2 characterisation, excess nutrients remain the most prevalent issue in the Gweebarra-Sheephaven catchment (Figure 10) impacting 14 waterbodies in Cycle 3. Morphological issues are impacting eight waterbodies, while hydrological issues, organic pollution, sediment and chemical pollution are all impacting six waterbodies each.
    - For river waterbodies, the main significant issues are nutrient issues (9), morphological impacts (7), organic pollution (5), sediment (4) and chemical pollution (4).
    - For lake waterbodies, the main significant issues are nutrient pollution (4), hydrological issues (4) and chemical pollution (2).
    - The only *At Risk* coastal waterbody (Mulroy Bay Broadwater) is affected by nutrient and sediment pollution.

- Between Cycle 2 and Cycle 3, the number of waterbodies with issues in each category have decreased. With the exception of the 'other' category which increased from two to four (all of which are unknown impacts).



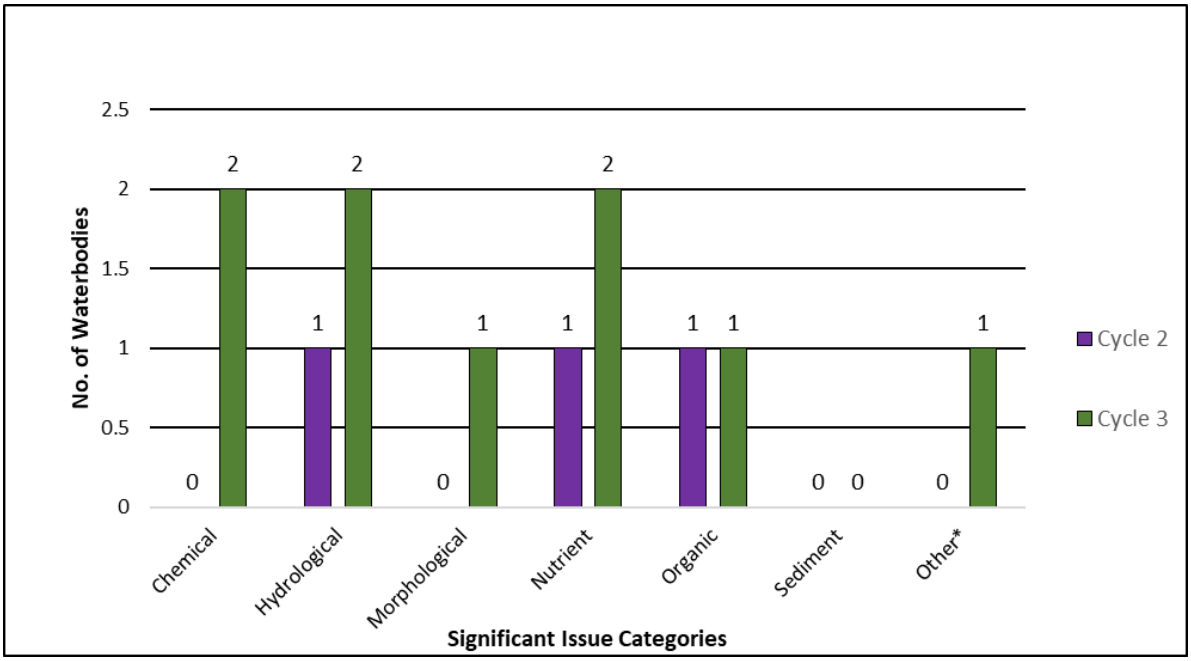
*Other - Acidification, saline intrusion, elevated temperature, litter, microbiological pollution and unknown impacts have all been grouped into the "Other" issues category for the purpose of this report

Figure 10: Significant Issues across all *At Risk* WBs between Cycle 2 and Cycle 3

4.2 High Status Objective Waterbodies

- In Cycle 3 for High Status Objective waterbodies chemical pollution, hydrological issues and nutrient pollution are each impacting two of the six High Status Objective waterbodies currently *At Risk* (Figure 11). Morphological issues, organic pollution and unknown impacts are each affecting one High Status Objective waterbody.
    - The impact type in the *At Risk* High Status Objective river waterbody is unknown the remaining *At Risk* waterbodies are lakes.

- Between Cycle 2 and Cycle 3, the number of waterbodies with hydrological, morphological, nutrient and unknown impacts have each increased by one while the number of waterbodies impacted by chemical issues has increased by two. One High Status Objective waterbody remains impacted by organic pollution.



*Other - Acidification, saline intrusion, elevated temperature, litter, microbiological pollution and unknown impacts have all been grouped into the "Other" issues category for the purpose of this report

Figure 11: Significant Issues in *At Risk* High Status Objective Waterbodies

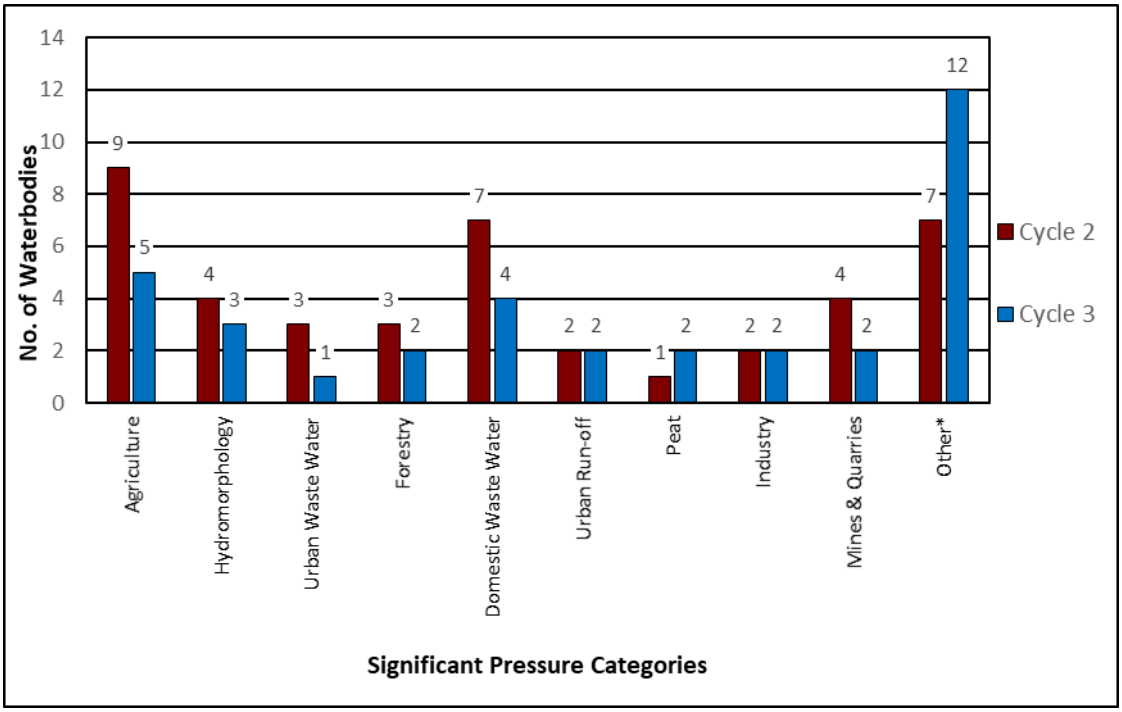
5 Significant pressures in *At Risk* Waterbodies

5.1 All Waterbodies

- Where waterbodies have been classed as *At Risk*, significant pressures have been identified.
- Figure 12 shows a breakdown of the number of *At Risk* waterbodies in each significant pressure category.
- The significant pressure affecting the greatest number of waterbodies is other[6], followed by agriculture, domestic waste water, hydromorphological pressures, forestry, peat, industry, urban run-off, mines & quarries and urban waste water.
- When comparing Cycle 2 and Cycle 3 the biggest change is an increase of five waterbodies where the pressure type falls under the 'other' category. The majority of issues represented by this category are unknown.

[6] Abstractions, aquaculture, atmospheric, anthropogenic pressures, historically polluted sites, waste, water treatment and invasive species have all been grouped into the "Other" pressure category for the purpose of this report

- The number of waterbodies impacted by peat increased by one, urban run-off and industry remained the same and all other pressure categories experienced a decrease in the number of waterbodies impacted.



*Other – abstractions, aquaculture, atmospheric, anthropogenic pressures, historically polluted sites, waste, water treatment and invasive species have all been grouped into the "Other" pressure category for the purpose of this report

Figure 12: Significant Pressure (All *At Risk* Waterbodies)

5.1.1 Pressure Type

5.1.1.1 Other significant pressures

- *Unknown Anthropogenic*
  The significant pressure type in Nasnanida, Kindrum, Dunglow, Barra, Lough Agher Stream_010 & Owentocker_020 are unknown.

- *Aquaculture*
  There is one *At Risk* coastal water body (Mulroy Bay Broadwater) impacted by aquaculture activities.

- *Abstractions*
  Abstractions for public water supply was identified as a pressure in Keel Crotty (Rosses Regional), Kinny lake (Fanad) waterbodies, abstraction for private water supply (Glenveigh) in Veagh lake waterbody, and abstraction for a fish farms were identified as a significant pressure in Tullaghobegly_010 river waterbody and Kindrum lake waterbody.

- *Water Treatment Discharge*
  One *At Risk* river Keel Lough Stream_010, is impacted from discharges from the Rosses Regional water treatment plant.

5.1.1.2 Agriculture

- Agriculture is a significant pressure in three river waterbodies (Big Burn_010, Murlin_010 & Murlin_020) and two lake waterbodies (Kinny & Barra). The issues related to farming in this

catchment are phosphorus loss to surface waters from, for example, direct discharges; or runoff from yards, roadways or other compacted surfaces, or runoff from poorly draining soils. There is also an issue with sheep dip causing reduction in ecological quality.

5.1.1.3 Domestic Waste Water

- Domestic waste water has been identified as a significant pressure in three river water bodies (Dungloe_020, Catheen_010 & Burnside_010) and one lake waterbody (Anure). The significant issues arise from inadequate domestic waste water systems, many of which are sited on areas of high pollution impact potential/poorly draining soils, that result in enrichment and potential for microbial/organic contamination.

5.1.1.4 Hydromorphology

- Hydromorphological pressures are impacting two river waterbodies (Owentocker_020 & Big Burn_010) and one lake waterbody (Greenan). Channelisation and land drainage have been identified as the pressure sub-categories identified in the Big Burn_010 during characterisation. Owentocker_020 is impacted by barriers, with at least one culvert causing a problem for fish passage in the upper part of the catchment. There is a controlled outlet in Greenan lake waterbody which is deemed to be altering habitat through hydrological and morphological changes. Land drainage around the lake is also impacting habitat in the lake.

5.1.1.5 Forestry

- Forestry has been identified as a significant pressure in two river waterbodies (Loughkeel Burn_010 and Big Burn_010). Losses of sediment during clearfelling has been identified as an issue in the Loughkeel Burn_010 river. Potential chemical pollution attributed to forestry activity was identified in Big Burn_010.

5.1.1.6 Peat

- Peat drainage and extraction has been identified as a significant pressure in two river waterbodies (Corveen_010 & Owenawillin_010) in the catchment with peat cutting resulting in elevated sediment and nutrient loads as well hydrological and morphological issues.

5.1.1.7 Industry

- Industrial discharges have been identified as a significant pressure in two river waterbodies. Nutrient and organic impacts are the main issues of concern regarding these point source discharges. These point source discharges, causing nutrient and organic issues, arise from industrial discharges (Table 4).

Table 4: Breakdown of Cycle 3 Industry Significant Pressures in the Gweebarra-Sheephaven Catchment

Waterbody Code	Waterbody Name	Waterbody Type	Emission Type	Name	Impact
IE_NW_38B020100	BRACKY_010	River	Section 4	N/A*	Nutrient & Organic
IE_NW_38T010100	TULLAGHOBEGLY_010	River	Section 4	N/A*	Nutrient & Organic

*Name of facility not provided during characterisation

5.1.1.8 Urban run-off

- Diffuse urban pressures, caused by misconnections, leaking sewers and runoff from paved and unpaved areas, has been identified as the significant pressure in two river water bodies (Dungloe_020 and Catheen_010) with nutrient, organic and chemical impacts from Dunglow and Gweedore/Bunbeg urban areas being the significant issues.

5.1.1.9 Mines & Quarries

- Mines and Quarries have been identified as significant pressures in two river waterbodies (Catheen_010 & Corveen_010) with sediment, morphological, hydrological, acidification and nutrient impacts.

5.1.1.10 Urban Waste Water

- Urban Waste Water Treatment Agglomerations have been identified as a significant pressure in one *At Risk* river waterbody. The Kerrykeel agglomeration, which impacts Burnside_010, is scheduled to be upgraded in 2023.

Table 5: Urban Waste Water Treatment Agglomerations identified as significant pressures in *At Risk* waterbodies in Cycle 3

Facility name	Facility Type	Waterbody	2013-18 Ecological Status	Irish Water's Expected CIP Completion Date[7]
Kerrykeel A0445	Agglomeration PE < 500	BURNSIDE_010	Poor	2023

- Urban waste water significant pressures impacted three waterbodies in Cycle 2. None of which are significant pressures in Cycle 3. Kerrykeel agglomeration is a pressure in Cycle 3 but was not listed in Cycle 2.

Figure 13 – Figure 13Figure 16 illustrates the locations of waterbodies for the four most common pressures in order of prevalence (other, agriculture, domestic waste water and hydromorphology) within the catchment in Cycle 3.

[7] Based on Irish Water's Capital Investment Programme (2020-2024) as of February 2021 and may be subject to change.

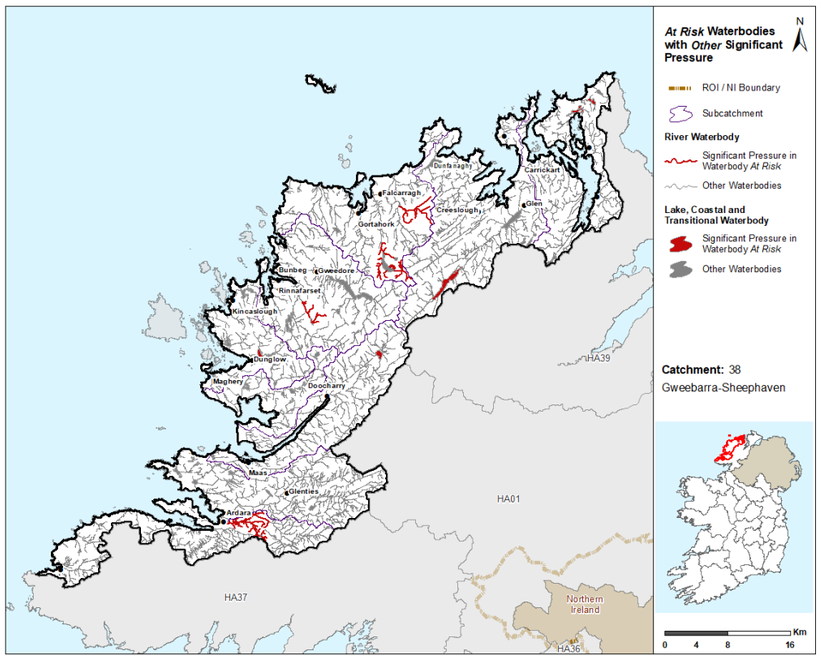


Figure 13: Locations of Waterbodies where Significant Pressures fall under the 'Other' category

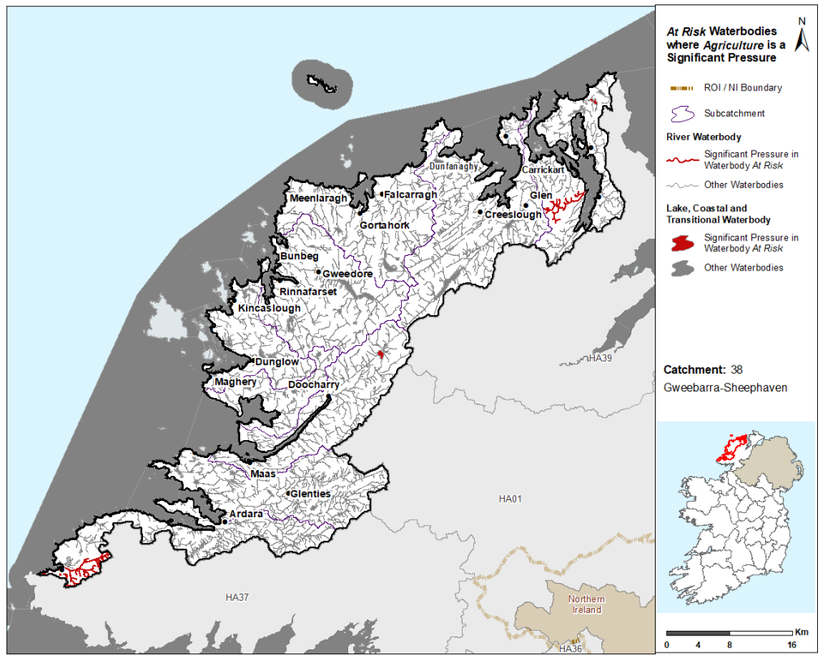


Figure 14: Locations of Waterbodies where Agriculture is a Significant Pressure

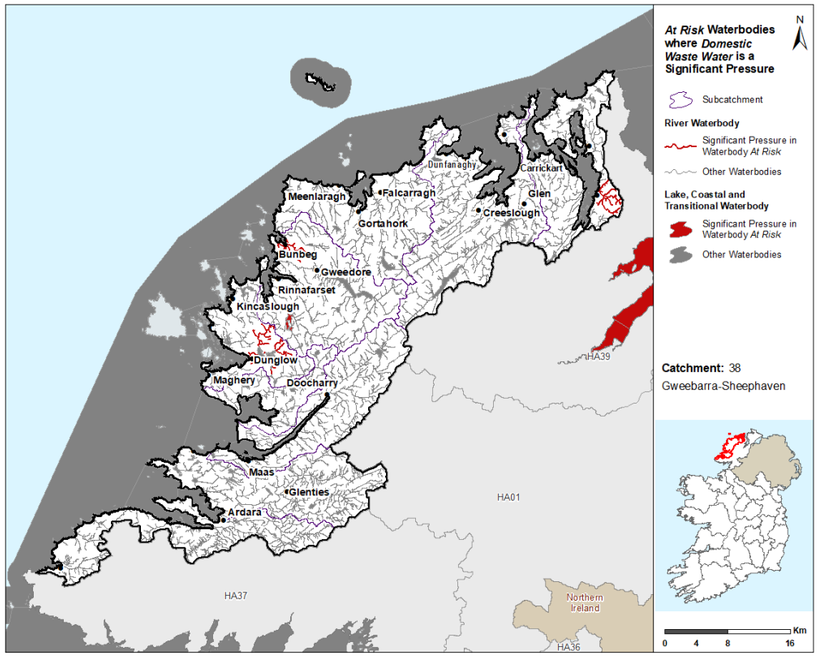


Figure 15: Locations of Waterbodies where Domestic Waste Water is a Significant Pressure

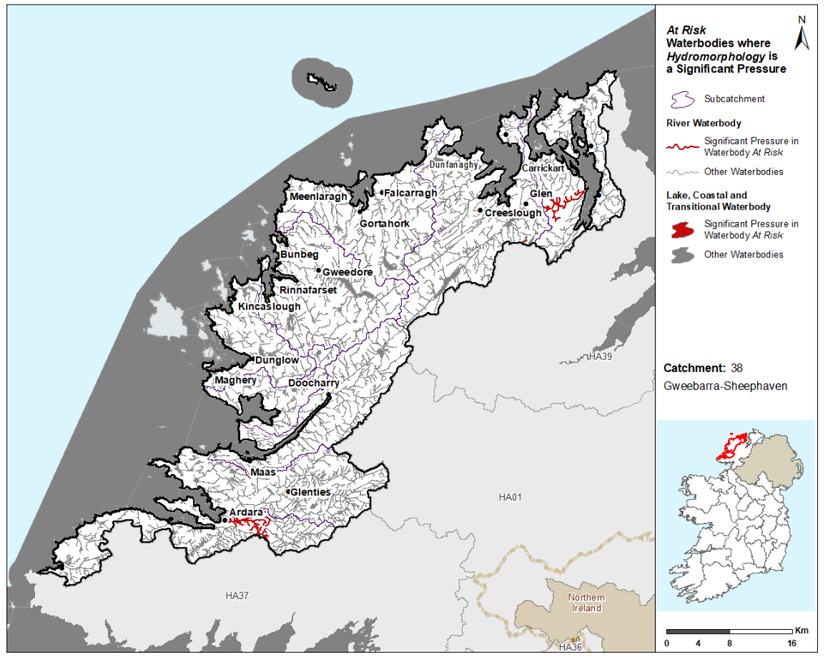
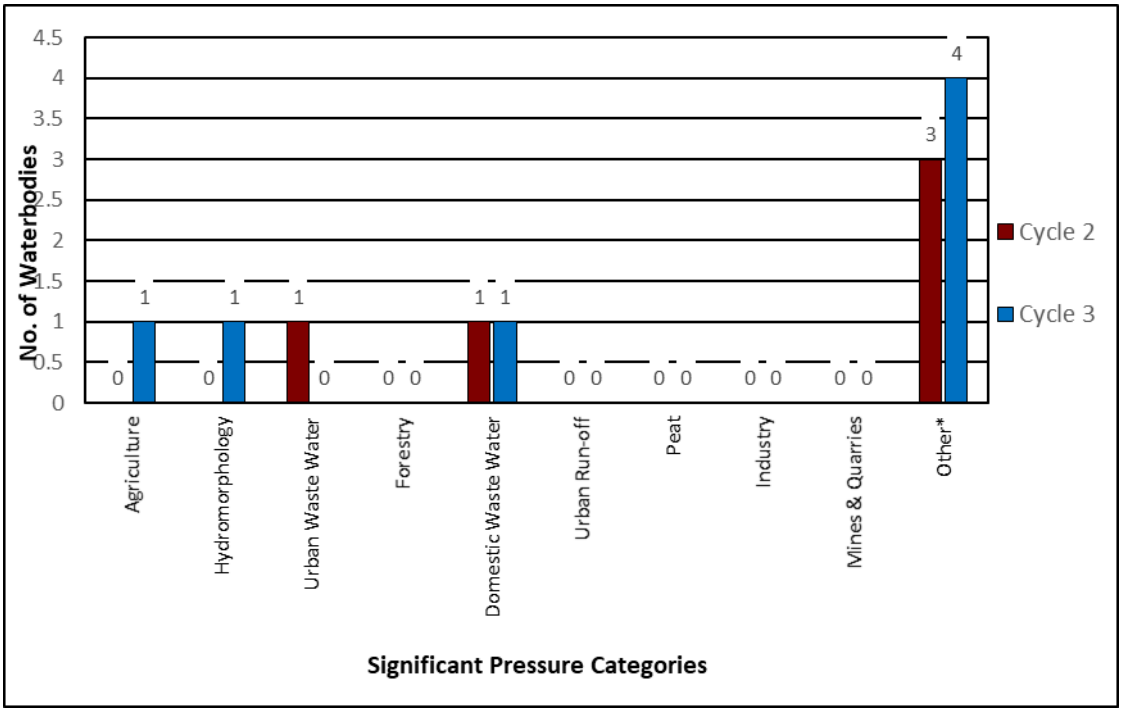


Figure 16: Locations of Waterbodies where Hydromorphology issues are a Significant Pressure

5.2 High Status Objective Waterbodies

- Three of the six *At Risk* High Status Objective have an unknown pressure attributed to them (Lough Agher_010, Dunglow and Barra), Veagh Lake waterbody is affected by an abstraction for water supply. Barra Lake is also impacted by Agricultural activities, Anure lake is impacted by domestic wastewater and Greenan lake is impacted by hydromorphological pressures.



*Other – abstractions, aquaculture, atmospheric, anthropogenic pressures, historically polluted sites, waste, water treatment and invasive species have all been grouped into the "Other" pressure category for the purpose of this report

Figure 17: Significant Pressure in *At Risk* High Status Objective Waterbodies

6 Source Load Apportionment Modelling (SLAM)

- The EPA has developed Source Load Apportionment Models (SLAM) for both P and N which estimate the proportion of the phosphorus and nitrogen inputs, respectively, to waters in each catchment that comes from each sector.

- The main data inputs for the model for agriculture are the 2018 land parcel (LPIS) and animal (AIMs) data from the Department of Agriculture Food and the Marine. The Urban Waste Water (UWW) data comes from Irish Water's discharge monitoring data. The model also calculates the inputs from a range of other sectors, including for example, forestry, septic tanks, peat, urban runoff and atmospheric deposition.

- In the catchment peat, pasture and discharges from septic tanks are responsible for 35%, 25% and 13% of the nitrogen load respectively while peat, pasture and discharges from urban wastewater contribute 38%, 27% and 12% of the phosphorus loadings for the catchment respectively (Figure 17).

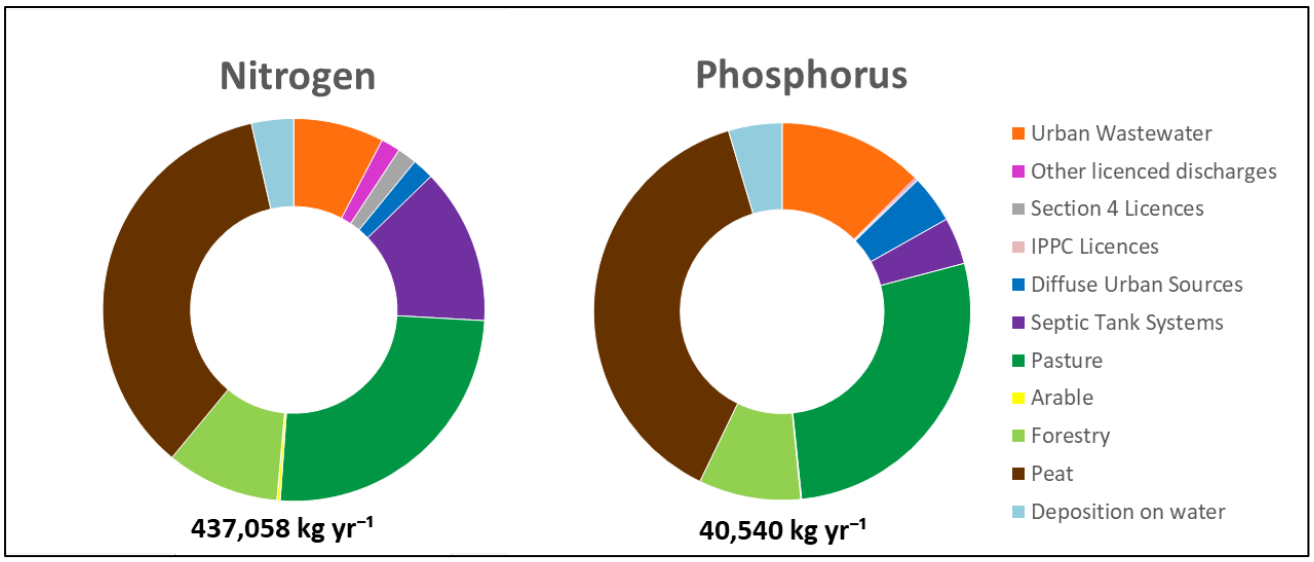


Figure 18: Estimated Proportions of N & P from Each Sector in the Gweebarra-Sheephaven Catchment

7 Load Reduction Assessment

7.1 Nitrogen Load Reduction

- An assessment was undertaken to determine if nitrogen reductions in rivers, streams and lakes are required for Transitional and Coastal (TRACs) waterbodies to achieve their WFD environmental objective. The outcome of the assessment indicated that 10 of the 46 catchments require N reductions in our inland waters to restore some TRAC waterbodies. Nitrogen load reduction to meet TRAC WFD objectives are not required in the Gweebarra Sheephaven Catchment.

7.2 Phosphorous / Sediment Load Reduction

- Further modelling work is required to determine if and what P load reductions are required.

Figure 19 highlights areas where agricultural measures for sediment and phosphorus should be targeted. Waterbodies with blue fill are areas where sediment or phosphorus should be targeted. Pollution Impact Potential mapping for both phosphorus and nitrogen in the catchment are provided in Appendix 2.

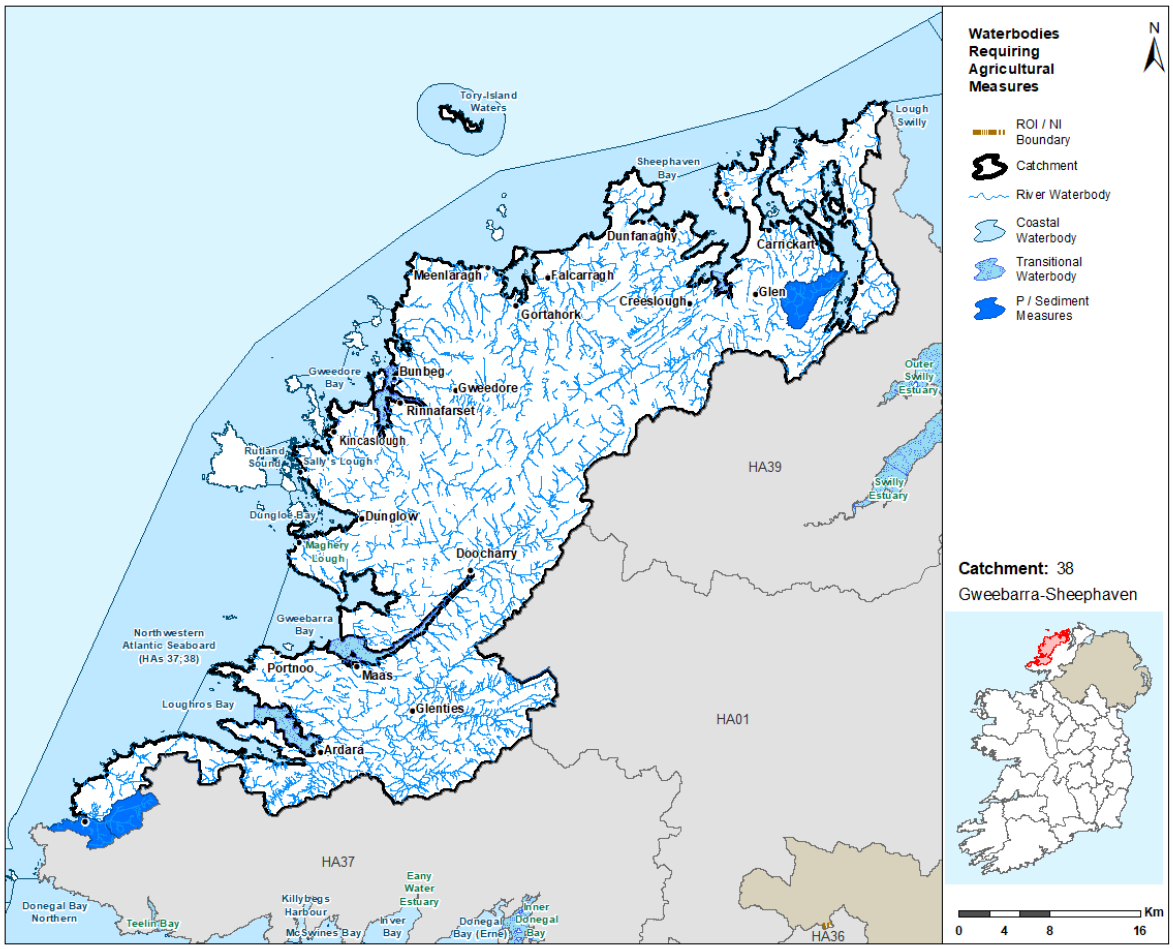


Figure 19: Waterbodies where Agricultural Measures should be Targeted

8 2nd Cycle Areas for Action

8.1 Area for Action Overview

- There were two Areas for Action, comprising of nine waterbodies, selected for further characterisation and action in the catchment for the 2nd Cycle River Basin Management Plan. The Areas for Action in the catchment are listed in Table 6 and shown in Figure 20. LAWPRO, in conjunction with local authorities and stakeholders from the Borders Regional Operational Committee, have been working in these areas since 2018.

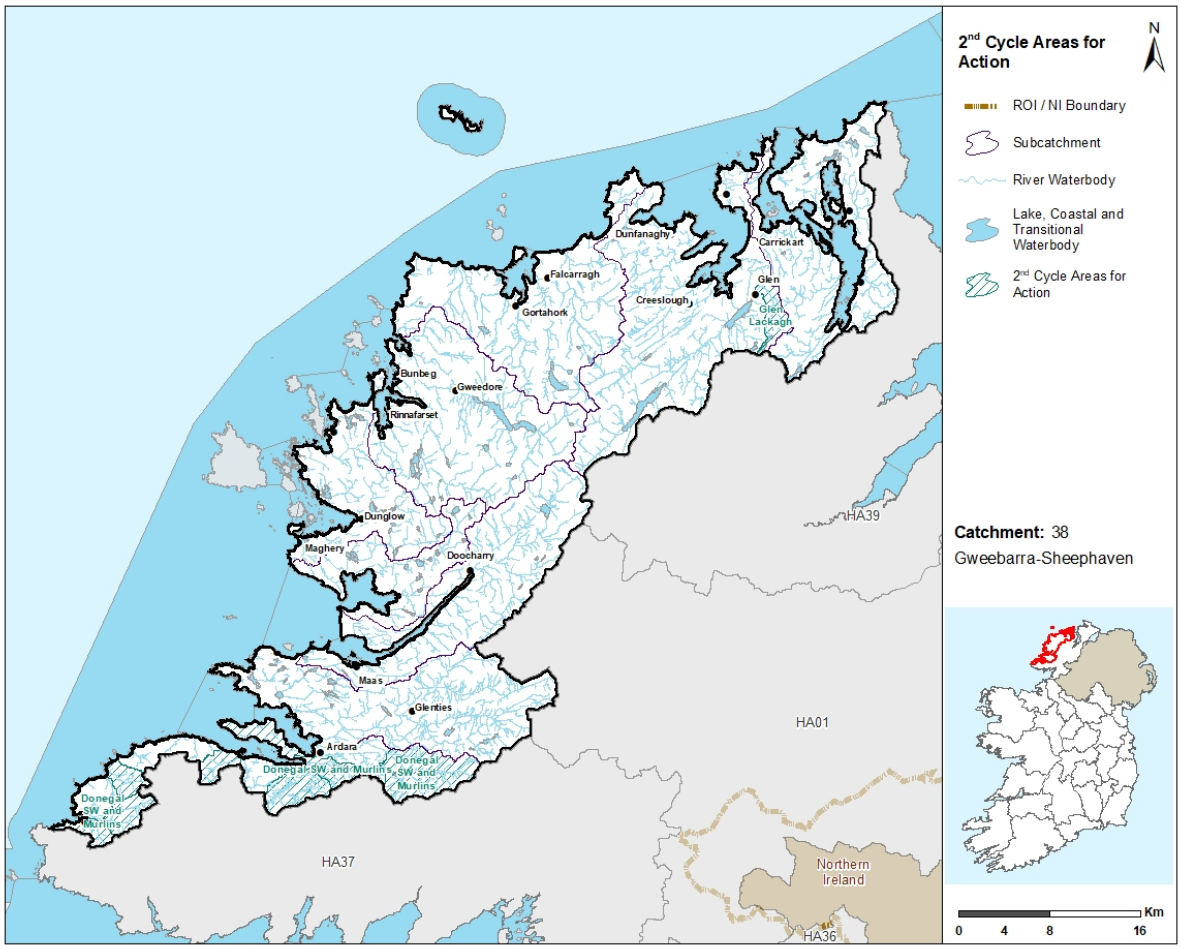


Figure 20: 2nd Cycle Areas for Action Locations

Table 6: 2nd Cycle Areas for Action

2nd Cycle Area for Action	Number of waterbodies	Sub-catchment	Local Authority	Reason for Selection
Glen Lackagh	1	38_5	Donegal	• One deteriorated River Water Body • Single Pressure. • Build on Improvement to Good noted at one of the monitoring locations so only small stretch driving status. • Support FPM (not top 8)
Donegal SW & Murlins	8	38_4	Donegal	• Eight deteriorated Water bodies. • One of the deteriorated water bodies has a High Ecological Status objective that is not being met. • Assess and develop strategies to mitigate toxic impacts that are likely to be from sheep dip • Long term challenge requiring cross agency approach.

8.2 Status Change in 2nd Cycle Areas for Action

- For Cycle 3, of the nine waterbodies in the 2nd Cycle Areas for Action, there is one waterbody at High Status, three waterbodies at Good Status, three waterbodies at Poor Status, and two waterbodies where status has not been assigned.

- There is an overall improvement in the status of four of the 2nd cycle Areas for Action waterbodies across the catchment.[8]

- Of the seven waterbodies within the 2nd Cycle Areas for Action which had status assigned, three experienced no change in status between Cycle 2 and Cycle 3 and four waterbodies experienced an improvement (Figure 21). Of the four waterbody improvements three were across Donegal SW and Murlins Area for Action and one in Glen Lackagh Area for Action.

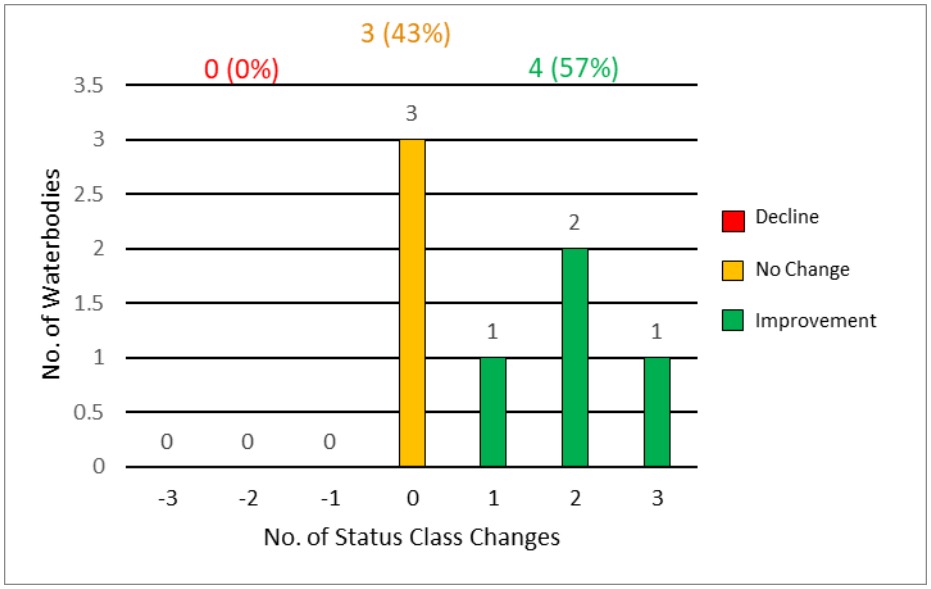


Figure 21: 2nd Cycle Area for Action Waterbody Status Class Changes between Cycle 2 and Cycle 3

8.3 Waterbody Risk in 2nd Cycle Areas for Action

- For the nine waterbodies in the 2nd Cycle Areas for Action, three (33%) of these are currently *At Risk* (Bracky_010, Murlin_010 and Murlin_020), three (33%) in *Review* (Drumagh_010, Newtownburke_010 and Port Stream_010) and three (33%) are *Not At Risk* (Glen (Lackagh)_010, Owentocker_010 and Owenwee (Loughros)_010).

- All three *At Risk* waterbodies are river waterbodies. Figure 22 gives an overview of the breakdown of risk across waterbody types for both Cycle 2 and Cycle 3 in 2nd Cycle Areas for Action.

[8] Status class change cannot be calculated for waterbodies where status has not been assigned in either cycle 2 or 3 and therefore these waterbodies are not represented in Figure 18. Percentage displayed in the chart below are in relation to the total number of waterbodies with status assigned in both cycles, as opposed to total number of all waterbodies.

- Overall, there is a decrease from seven to three *At Risk* waterbodies in 2nd Cycle Areas for Action between Cycle 2 and Cycle 3.

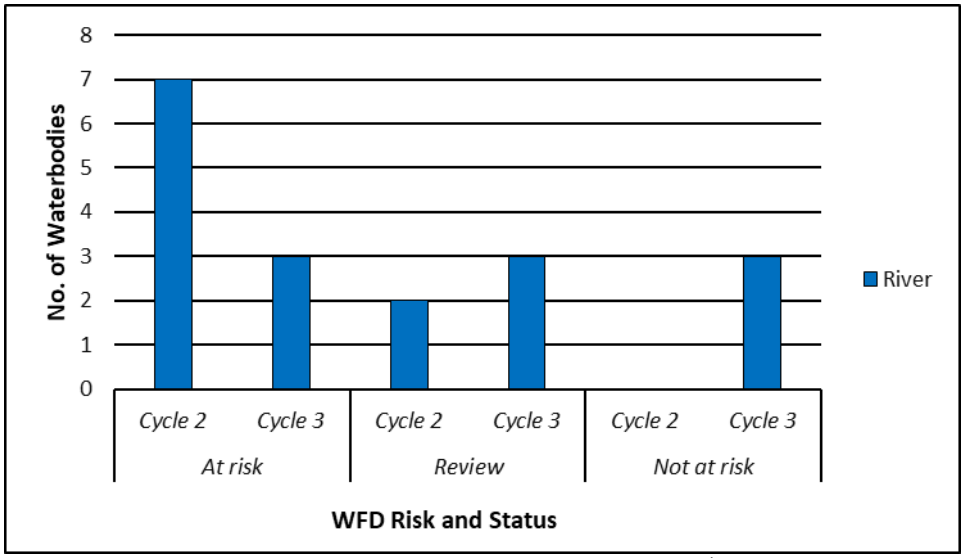
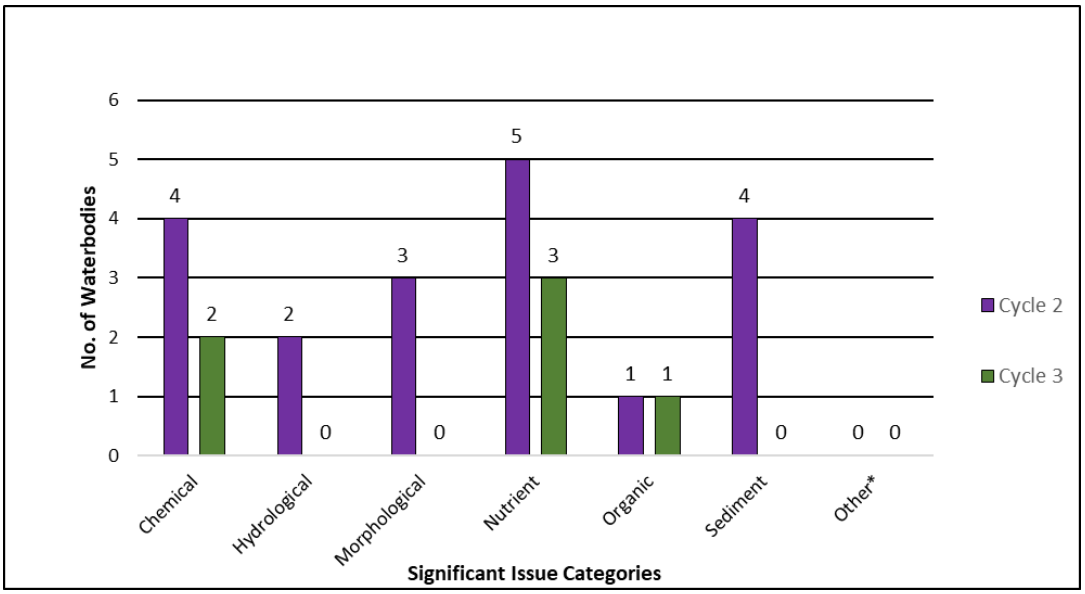


Figure 22: Number of waterbodies in each risk category in 2nd Cycle Areas for Action

8.4 Significant Issues in 2nd Cycle Areas for Action

- Based on the EPA assessment for Cycle 3, the significant issue in the 2nd Cycle Areas for Action is nutrient pollution, impacting three waterbodies (Bracky_010, Murlin_010 & Murlin_020) as shown in Figure 23. This is followed by chemical pollution which is impacting two waterbodies (Murlin_010 & Murlin_020) and organic pollution, impacting one waterbody (Bracky_010).

- The number of 2nd Cycle Areas for Action waterbodies associated with each of the significant issues categories has reduced between Cycle 2 and Cycle 3 except for organic pollution which continues to impact one waterbody.



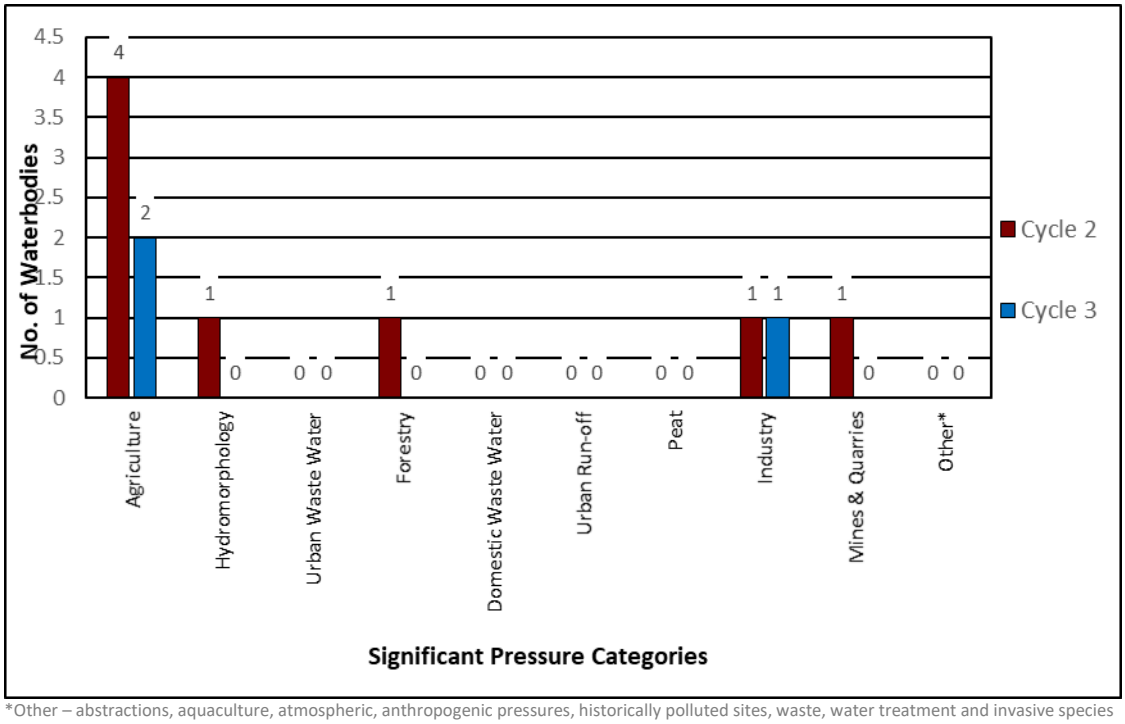
*Other - Acidification, saline intrusion, elevated temperature, litter, microbiological pollution and unknown impacts have all been grouped into the "Other" issues category for the purpose of this report

Figure 23: Significant Issues across all 2nd Cycle Areas for Action Waterbodies

8.5 Significant Pressure in 2nd Cycle Areas for Action

- For Cycle 3, in 2nd Cycle Areas for Action waterbodies in the catchment the dominant significant pressures are:
  - Agriculture – two waterbodies (Murlin_010 & Murlin_020) are impacted in Cycle 3 compared to four impacted in Cycle 2.
  - Industry – one river waterbody (Bracky_010) remains impacted in Cycle 3.

- When comparing the significant pressures in the 2nd Cycle Areas for Action between Cycle 2 and 3 there has been a decrease in all significant pressure categories in the catchment with the exception of industry which continues to impact one waterbody.



*Other – abstractions, aquaculture, atmospheric, anthropogenic pressures, historically polluted sites, waste, water treatment and invasive species have all been grouped into the "Other" pressure category for the purpose of this report

Figure 24: Significant Pressures in 2nd Cycle Area for Action Waterbodies

9 3rd Cycle Recommended Areas for Action

9.1 Recommended Areas for Action Overview

- For the 3rd Cycle Draft River Basin Management Plan Areas for Action have been extended out to not only include Prioritised Areas for Action undertaken by LAWPRO which focussed on restoring waterbodies, but to also include restoration work undertaken by all agencies under Areas for Restoration. In addition, protection work is included under Areas for Protection and research, pilot schemes and community initiatives are included under Catchment Projects. The aim of the 3rd Cycle Plan is to capture all activity that is working to restore, improve and/or protect waterbodies.

- The Recommended 3rd Cycle Areas for Action list will be included in the Draft River Basin Management Plan and will be finalised after the consultation period.

- There are 12 Areas for Action, comprising of 45 waterbodies, recommended for further characterisation and action in the catchment for the 3rd Cycle River Basin Management Plan. 11 of the 45 waterbodies in the 3rd Cycle Recommended Areas for Action are *At Risk*, 11 are in *Review* and 23 are *Not At Risk.* The 12 Recommended Areas for Action consist of five Areas for Protection, three Areas for Restoration and four Catchment Projects. LAWPRO, Donegal County Council and IFI are the proposed lead organisations in four Recommended Areas for Action each. The Recommended Areas for Action in the catchment are listed in Table 7 and shown in Figure 25. The reason for selecting for each waterbody in a Recommended Area for Action is provided in Appendix 2.

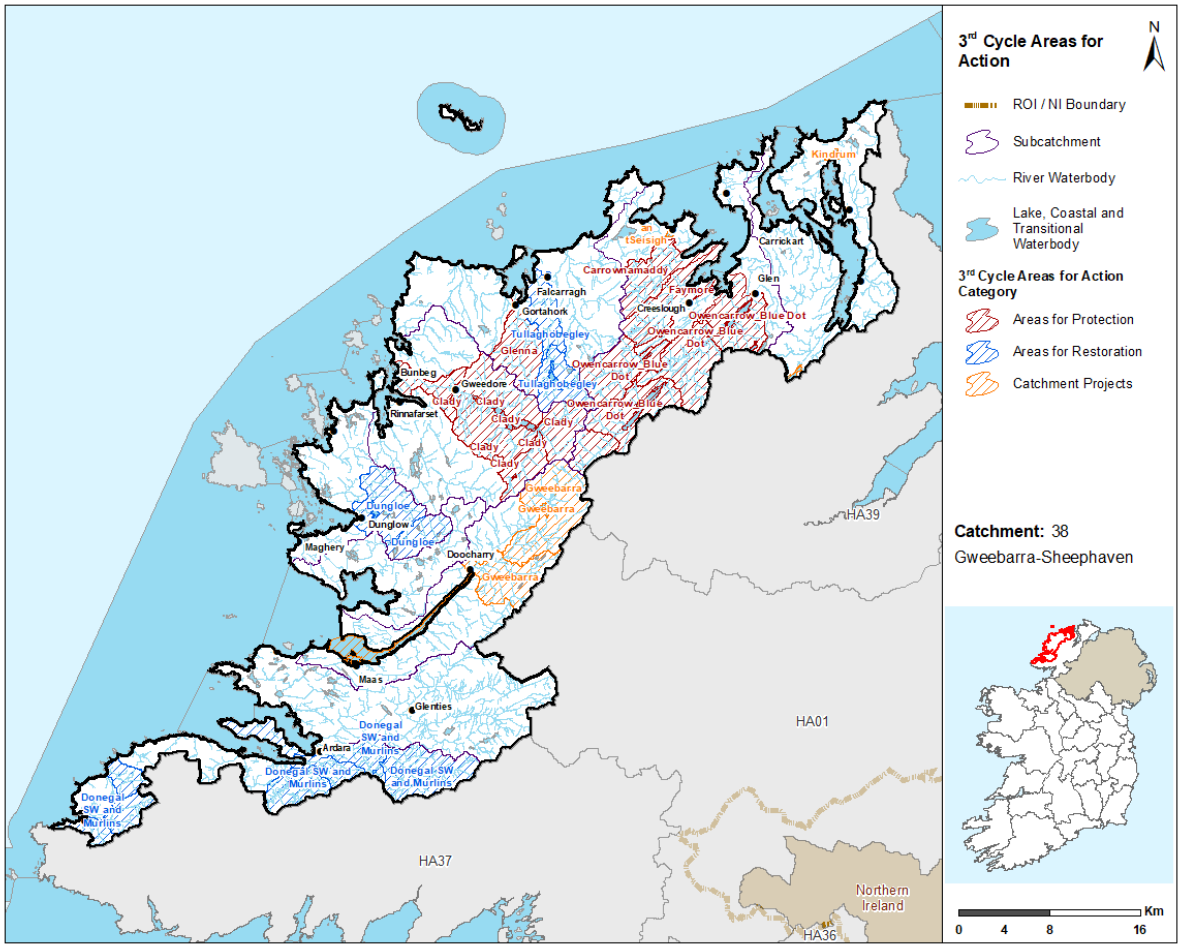


Figure 25: 3rd Cycle Recommended Areas for Action Locations

Table 7: 3rd Cycle Recommended Areas for Action Breakdown

3rd Cycle Recommended Areas for Action	Number of Waterbodies	Recommended Areas for Action Category	Recommended Areas for Action Sub-category	Lead Organisation
Donegal SW and Murlins	10	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Owencarrow_Blue Dot	9	Protection	Blue Dot Areas for Protection LAWPRO and Others	LAWPRO

3rd Cycle Recommended Areas for Action	Number of Waterbodies	Recommended Areas for Action Category	Recommended Areas for Action Sub-category	Lead Organisation
Carrownamaddy	1	Protection	LA Areas for Protection Local Authorities	Donegal County Council
Clady	10	Protection	Blue Dot Areas for Protection LAWPRO and Others	LAWPRO
Dungloe	3	Restoration	LA Areas for Restoration Local Authorities	Donegal County Council
Faymore	1	Protection	LA Areas for Protection Local Authorities	Donegal County Council
Glenna	1	Protection	LA Areas for Protection Local Authorities	Donegal County Council
Gweebarra	4	Catchment Projects	Public Body Research	IFI
Tullaghobegley	3	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
an tSeisigh	1	Catchment Projects	Public Body Research	IFI
Kindrum	1	Catchment Projects	Public Body Research	IFI
Keel (Kilmacrenan)	1	Catchment Projects	Public Body Research	IFI

10 Catchment Summary

- Of the 88 river waterbodies, 24 are *At Risk* of not meeting their WFD objectives.
- Nine out of 83 lake waterbodies are *At Risk* of not meeting their WFD objectives.
- Mulroy Bay Broadwater is the only *At Risk* coastal waterbody. Aquaculture and tourism are the significant pressures.
- There has been an overall deterioration across the catchment with 34 waterbodies *At Risk* in Cycle 3 compared to 30 waterbodies *At Risk* in Cycle 2.
- The main significant issues are from nutrients pollution and sediment impacts, followed by morphological, hydrological impacts, organic pollution, chemical and other issues.
- The main significant pressures are other[9] pressures followed by hydromorphology, forestry, agriculture, domestic waste water, peat, industry, urban waste water, urban run-off and mines and quarries.

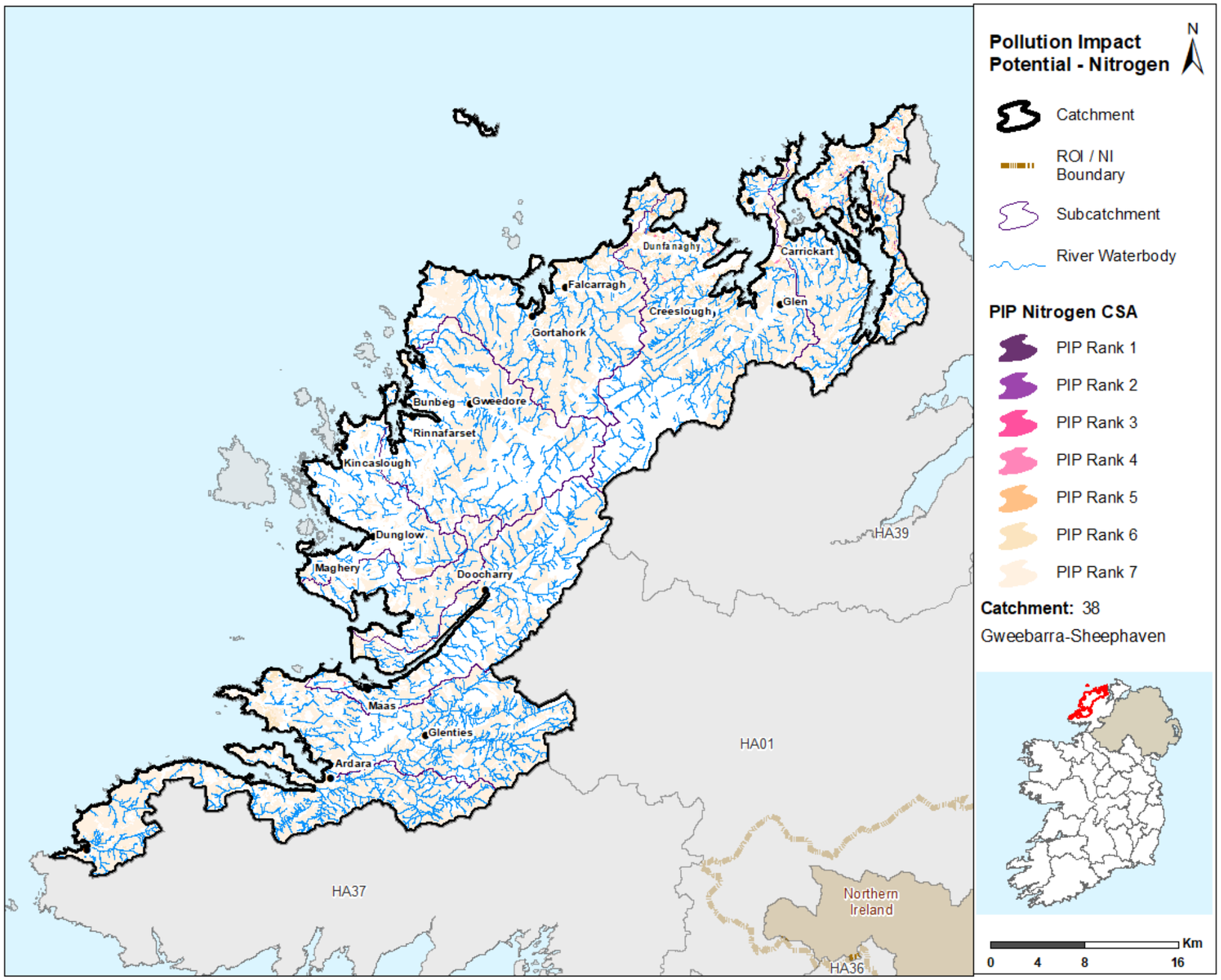
[9] Abstractions, aquaculture, atmospheric, anthropogenic pressures, historically polluted sites, waste, water treatment and invasive species have all been grouped into the "Other" pressure category for the purpose of this report

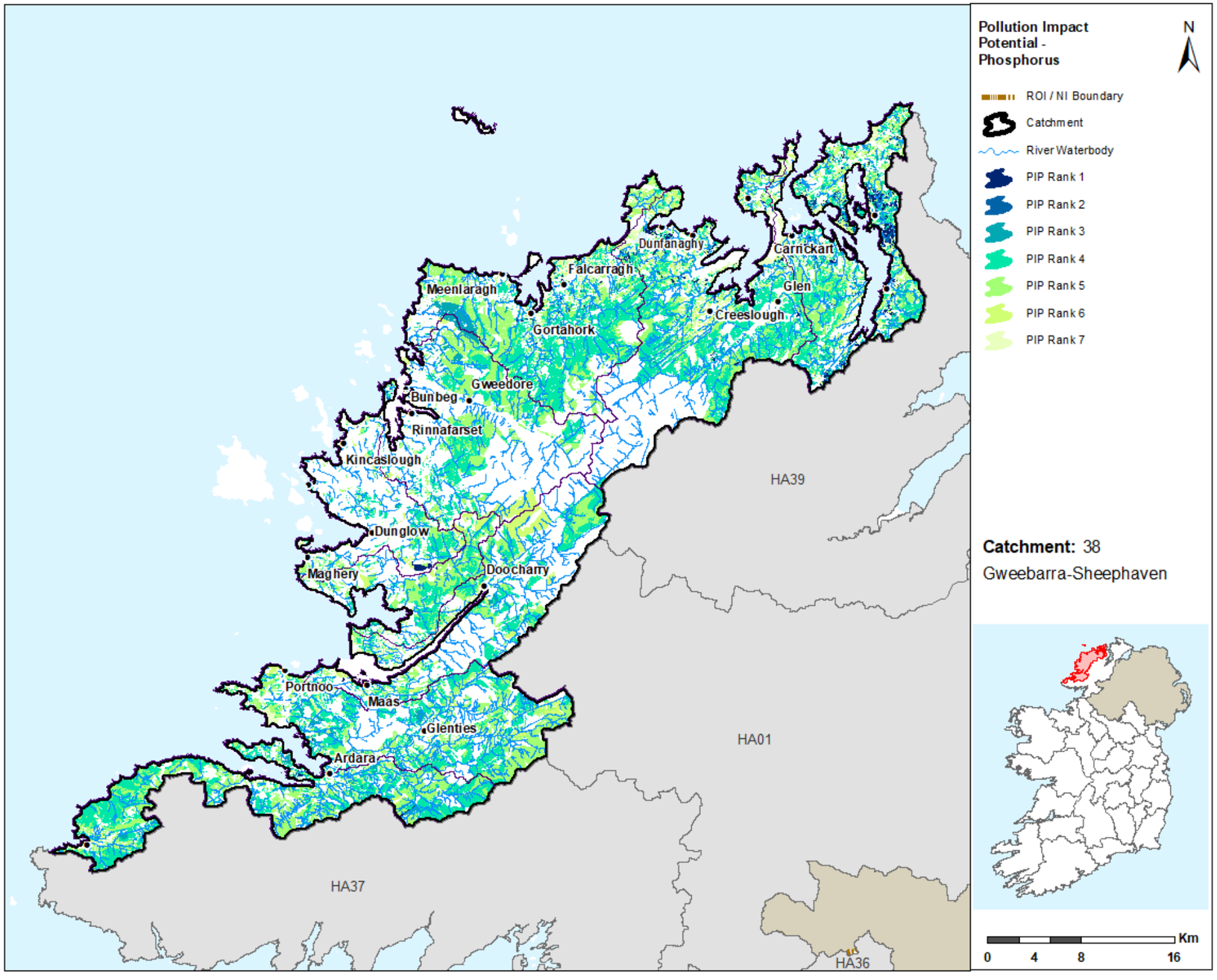
- The main impacts and pressures driving the change between Cycle 2 and Cycle 3 are increases in waterbodies impacted by nutrients, hydromorphological and forestry pressures. The increase in hydromorphological impacts is likely to be associated with a stronger evidence base and increasing awareness of hydromorphology rather than new significant hydromorphology pressures since Cycle 2.
- In the 2nd Cycle Areas for Action seven waterbodies were *At Risk* in Cycle 2 and three waterbodies are *At Risk* in Cycle 3.
- There are 12 3rd Cycle Recommended Areas for Action for Cycle 3. They comprise of 45 waterbodies with 15 waterbodies *At Risk*, 11 in *Review* and 19 *Not At Risk*.

Appendix 1
High ecological status objective waterbodies

Waterbody Name	Waterbody Type	Waterbody Code	Status 2013-2018
Agannive Brockagh	Lake	IE_NW_38_665	Unassigned
Anure	Lake	IE_NW_38_83	Good
Barra	Lake	IE_NW_38_84	Good
CRONANIV BURN_010	River	IE_NW_38C060100	High
DEVLIN (DONEGAL)_010	River	IE_NW_38D010080	High
Dunglow	Lake	IE_NW_38_692	Good
Greenan	Lake	IE_NW_38_635	Good
Gweebarra Bay	Coastal	IE_NW_120_0000	Good
Gweebarra Estuary	Transitional	IE_NW_120_0100	Good
LOUGH AGHER STREAM_010	River	IE_NW_38L020200	Good
Lough Swilly	Coastal	IE_NW_220_0000	Good
Northwestern Atlantic Seaboard (HAs 37;38)	Coastal	IE_NW_100_0000	High
OWENCARROW_020	River	IE_NW_38O030300	High
OWENVEAGH_010	River	IE_NW_38O140080	High
OWENWEE (DOOCHARRY)_010	River	IE_NW_38O070250	High
OWENWEE (GLEN LOUGH)_010	River	IE_NW_38O130100	High

Appendix 2
Pollution Impact Potential Mapping





Pollution Impact Potential - Phosphorus

N

ROI / NI Boundary
Catchment
River Waterbody
PIP Rank 1
PIP Rank 2
PIP Rank 3
PIP Rank 4
PIP Rank 5
PIP Rank 6
PIP Rank 7

Catchment: 38
Gweebarra-Sheephaven

Km
0 4 8 16

Appendix 3
Summary information on all waterbodies in the Gweebarra-Sheephaven Catchment

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_9	IE_NW_38A010200	ABBERACHRIN_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_4	IE_NW_38A190390	Adoochro_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_4	IE_NW_38B020100	BRACKY_010	River	*At Risk*	*At Risk*	Poor	Poor	No	Ind	Donegal SW and Murlins	Within existing PAA
38_3	IE_NW_38B030500	BIG BURN_010	River	*At Risk*	*At Risk*	Moderate	Moderate	No	Ag, For, Hymo		
38_3	IE_NW_38B040100	BUNLIN_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No			
38_3	IE_NW_38B050400	BURNSIDE_010	River	*At Risk*	*At Risk*	Poor	Poor	No	DWW, UWW		
38_9	IE_NW_38B070690	Bellanagoal river_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38B170800	BALLINCRICK and BALLYNABROCKY_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_6	IE_NW_38B280640	BUN NA LEACA_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38B310830	BALLYHOORISKY_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_4	IE_NW_38B330970	BARR_COILLEADH_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38C010300	CALABBER_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No		Owencarrow_Blue Dot	Numerous Blue Dot WBs within recommended PAA
38_5	IE_NW_38C020300	CARROWNAMADDY_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No		Carrownamaddy	LA to increase activity in catchment, S4 compliance - Water quality improved from Poor & Moderate to Good. Also proposed by NPWS
38_7	IE_NW_38C030200	CATHEEN_010	River	*At Risk*	*At Risk*	Poor	Poor	No	DWW, M+Q, UR		
38_7	IE_NW_38C040150	CLADY (DONEGAL)_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No		Clady	Good, *At Risk* - proposed by NPWS. Also proposed by NFGWS - The NFGWS would like to highlight that the Meenabool GWS groundwater Zone of Contribution is situated within the Clady(Donegal)_010 and therefore would like to propose its inclusion for selection as a PAA.
38_7	IE_NW_38C040300	CLADY (DONEGAL)_020	River	*Not At Risk*	*Not At Risk*	Good	Good	No		Clady	Good, *At Risk* - proposed by NPWS. Included under SC approach
38_7	IE_NW_38C050200	CORVEEN_010	River	*At Risk*	*At Risk*	Moderate	Moderate	No	M+Q, Peat		

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_7	IE_NW_38C060100	CRONANIV BURN_010	River	*Not At Risk*	*Not At Risk*	High	High	Yes		Clady	Blue Dot WB meeting HSO - not proposed but should be included for protection under SC approach as it forms headwaters of Clady
38_3	IE_NW_38C130960	CARRICKART_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_6	IE_NW_38C180660	AN_CHEATHRÃš_CHEANAINN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_38C250960	AN_CÃ‰IDEADH_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_6	IE_NW_38C540200	CNOC_FOLA_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_7	IE_NW_38D010080	DEVLIN (DONEGAL)_010	River	*Not At Risk*	*Not At Risk*	High	High	Yes		Clady	Blue Dot WB meeting HSO - not proposed but should be included for protection under SC approach as it forms headwaters of Clady
38_1	IE_NW_38D020020	DUNGLOE_010	River	*Not At Risk*	*Not At Risk*	High	Good	No		Dungloe	Proposed by LA for restoration - Drop from High to Good status - Increasing nutrients, failing chemical - sheep dip & forestry, hydromorphological pressures. Also proposed by NPWS
38_1	IE_NW_38D020250	DUNGLOE_020	River	*At Risk*	*At Risk*	Moderate	Moderate	No	DWW, UR	Dungloe	Include as d/s of Dungloe_010. Also proposed by NPWS
38_5	IE_NW_38D030500	DUNTALLY_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38D050300	DUVOGE_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_5	IE_NW_38D240730	DOIRE_CHASÃ⍰IN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_5	IE_NW_38D500770	DUNFANAGHY_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_4	IE_NW_38D820870	DRUMAGH_010	River	*Review*	*Review*	Unassigned	Unassigned	No		Donegal SW and Murlins	Within existing PAA
38_5	IE_NW_38F010200	FAYMORE_010	River	*At Risk*	*Review*	Poor	Good	No		Faymore	LA to increase activity in catchment, S4 compliance - Water quality improved from Poor & Moderate to Good. Also proposed by NPWS
38_6	IE_NW_38G010200	GLENNA_010	River	*At Risk*	*Review*	Moderate	Good	No		Glenna	Proposed by DL - LA to increase activity in catchment, S4 compliance - Improved but Glenna_10 variable, Suspected sheep dip issue, Peat cutting. Tullaghobegley S4 compliance improved & Cloughaneely Anglers Catchment Mgt Plan. Also proposed by NPWS
38_2	IE_NW_38G020200	GWEEBARRA_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No		Gweebarra	Proposed for Catchment Research Project by IFI - Blue dot site and Blue Dot lake within WB sub-basin. Proposed by NPWS also

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_2	IE_NW_38G020300	GWEEBARRA_020	River	*Not At Risk*	*Not At Risk*	Good	Good	No		Gweebarra	Proposed for Catchment Research Project by IFI - Blue dot site and Blue Dot lake within u/s WB sub-basin. Proposed by NPWS also
38_7	IE_NW_38G030100	GWEEDORE_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_7	IE_NW_38G030300	GWEEDORE_020	River	*Review*	*Not At Risk*	Good	Good	No			
38_5	IE_NW_38G040900	GLEN (LACKAGH)_010	River	*At Risk*	*Not At Risk*	Poor	Good	No			
38_6	IE_NW_38G050200	GLEN (MEENACLADY)_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_2	IE_NW_38G070300	GLENLEHEEN STREAM_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_4	IE_NW_38G150530	GARVEROSS_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38G170990	GARRYMORE (Donegal)_010	River	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_38G180970	GLAIS BHEAGÃ⍰IN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_7	IE_NW_38K010200	KEEL LOUGH STREAM_010	River	*At Risk*	*At Risk*	Poor	Poor	No	Other		
38_9	IE_NW_38K090900	KILTOORIS_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_38L020200	LOUGH AGHER STREAM_010	River	*At Risk*	*At Risk*	Good	Good	Yes	Other		
38_3	IE_NW_38L030400	LOUGHKEEL BURN_010	River	*Not At Risk*	*At Risk*	Good	Moderate	No	For		
38_6	IE_NW_38L130480	LARGATREANY_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38L150630	LOUGHANURE_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38L160510	LADDAN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_4	IE_NW_38M030250	MURLIN_010	River	*At Risk*	*At Risk*	Poor	Poor	No	Ag	Donegal SW and Murlins	Within existing PAA
38_4	IE_NW_38M030400	MURLIN_020	River	*At Risk*	*At Risk*	Poor	Poor	No	Ag	Donegal SW and Murlins	Within existing PAA
38_8	IE_NW_38M100990	MÃ⍰N DOIRE EIDHINN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_8	IE_NW_38M180780	MÃ⍰N AN CHAIRN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_38M190990	MULLAGHDERG_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_2	IE_NW_38M290990	MULNAMIN_BEG_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38M420690	MÃ⍰OBHAIGH_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_2	IE_NW_38M430800	MEENAGOWAN_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_2	IE_NW_38M880970	MAAS_010	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_4	IE_NW_38N040540	NEWTOWNBURKE_010	River	*Review*	*Review*	Unassigned	Unassigned	No		Donegal SW and Murlins	Within existing PAA
38_7	IE_NW_38O010100	OWENATOR_010	River	*Not At Risk*	*Not At Risk*	Good	High	No			

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_5	IE_NW_38O030150	OWENCARROW_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No		Owencarrow_Blue Dot	Numerous Blue Dot WBs within recommended PAA
38_5	IE_NW_38O030300	OWENCARROW_020	River	*Not At Risk*	*Not At Risk*	High	High	Yes		Owencarrow_Blue Dot	Numerous Blue Dot WBs within recommended PAA
38_9	IE_NW_38O040040	OWENEA_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38O040100	OWENEA_020	River	*Not At Risk*	*Not At Risk*	Good	High	No			
38_9	IE_NW_38O040450	OWENEA_030	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38O040500	OWENEA_040	River	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38O050300	OWENNAMARVE_010	River	*Not At Risk*	*Not At Risk*	High	Good	No			
38_4	IE_NW_38O060050	OWENTOCKER_010	River	*At Risk*	*Not At Risk*	Poor	Good	No		Donegal SW and Murlins	Within existing PAA
38_4	IE_NW_38O060300	OWENTOCKER_020	River	*Not At Risk*	*At Risk*	Good	Moderate	No	Hymo, Other	Donegal SW and Murlins	Expansion of existing PAA - *At Risk*, requires further charachterisation
38_2	IE_NW_38O070250	OWENWEE (DOOCHARRY)_010	River	*Not At Risk*	*Not At Risk*	High	High	Yes			
38_4	IE_NW_38O080050	OWENWEE (LOUGHROS)_010	River	*At Risk*	*Not At Risk*	Moderate	Good	No			
38_7	IE_NW_38O090300	OWENCRONAHULLA_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_6	IE_NW_38O100200	OWENAWILLIN_010	River	*Not At Risk*	*At Risk*	Good	Moderate	No	Peat		
38_5	IE_NW_38O130100	OWENWEE (GLEN LOUGH)_010	River	*Not At Risk*	*Not At Risk*	High	High	Yes		Owencarrow_Blue Dot	Numerous Blue Dot WBs within recommended PAA
38_5	IE_NW_38O140080	OWENVEAGH_010	River	*Not At Risk*	*Not At Risk*	High	High	Yes		Owencarrow_Blue Dot	Numerous Blue Dot WBs within recommended PAA
38_4	IE_NW_38P010100	PORT STREAM_010	River	*At Risk*	*Review*	Poor	High	No		Donegal SW and Murlins	Within existing PAA
38_6	IE_NW_38R010200	RAY_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_3	IE_NW_38R020990	RATHGORY_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_5	IE_NW_38R050930	ROCKHILL (Donegal)_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_5	IE_NW_38R090870	ROSEPENNA_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_9	IE_NW_38S010045	STRACASHEL_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38S010200	STRACASHEL_020	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38S030300	SHALLOGAN_010	River	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_1	IE_NW_38S230860	SALTPANS_010	River	*Review*	*Review*	Unassigned	Unassigned	No			

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38_6	IE_NW_38T010100	TULLAGHOBEGLY_010	River	*At Risk*	*At Risk*	Poor	Moderate	No	Ind, Other	Tullaghobegley	*At Risk* WB connected to L Altan. Proposed by NPWS and should be included alongside L Altan
38_6	IE_NW_38T010400	TULLAGHOBEGLY_020	River	*Not At Risk*	*Review*	Good	Good	No		Tullaghobegley	Good, *Review* - proposed by NPWS and should be included with L Altan
38_3	IE_NW_38T050840	TULACH_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38W020970	WOODQUARTER_010	River	*Review*	*Review*	Unassigned	Unassigned	No			
38_8	IE_NW_38_11	Gannevegil	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_18	Atirrive	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Clady	Unassigned, NAR - proposed by NPWS and within Clady PAA sub-basin
38_6	IE_NW_38_19	Altan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Tullaghobegley	Proposed by IFI - Arctic char lake, drawdown of water, water level fluctuations due to smolt unit downstream
38_3	IE_NW_38_194	Fallaneas	Lake	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38_199	Melmore	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38_200	Beg DL	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38_22	Glen DL	Lake	*Not At Risk*	*Not At Risk*	Good	Good	No		Owencarrow_Blue Dot	Proposed by IFI - Important Arctic char lake, important indicator species and for biodiversity. Also proposed by NPWS
38_5	IE_NW_38_232	Columbcilles	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_4	IE_NW_38_24	Nillan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Donegal SW and Murlins	Expansion of existing PAA - Unassigned lake, requires further charachterisation
38_7	IE_NW_38_26	Nacung Upper	Lake	*Review*	*Review*	Unassigned	Unassigned	No		Clady	Unassigned, *Review* - proposed by IFI for Arctic char and within Clady PAA sub-basin
38_6	IE_NW_38_278	Veigha	Lake	*Review*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_38_29	Nameeltoge	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38_31	New	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_38_33	Aluirg	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_43	Nacuskry	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_47	Kiltooris	Lake	*Not At Risk*	*Not At Risk*	Good	Good	No			

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_2	IE_NW_38_474	Fadda DL	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_4	IE_NW_38_476	Owenea	Lake	*Not At Risk*	*Review*	Unassigned	Unassigned	No		Donegal SW and Murlins	Expansion of existing PAA - Unassigned lake, requires further charachterisation
38_7	IE_NW_38_477	Nagilly	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_493	Nanillan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38_498	Melmore Head	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_5	Namurrig	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_50	Ponud	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38_514	Reelan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_515	Nadeal	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_517	Summy	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_52	Anna	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_38_526	Moilt	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_38_530	Feeane	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_539	Warvanneil	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_54	Machugh	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_2	IE_NW_38_542	Clooney	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_543	Fad Dunglow	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_545	Skeskinmore	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_546	Glentornan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Clady	Unassigned, NAR - proposed by NPWS and within Clady PAA sub-basin
38_8	IE_NW_38_55	Aleck More	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_56	Magrath More	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_1	IE_NW_38_561	Anoon	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_2	IE_NW_38_563	Nanuroge	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_565	Agannive Slieve Snaght	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Clady	Unassigned, NAR - proposed by NPWS and within Clady PAA sub-basin
38_6	IE_NW_38_566	Lagha	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_57	Birroge	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_571	Cushkeeragh	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_576	Keel Crotty	Lake	*At Risk*	*At Risk*	Moderate	Moderate	No	Other		
38_3	IE_NW_38_59	Kinny	Lake	*Not At Risk*	*At Risk*	Good	Moderate	No	Ag, Other		
38_8	IE_NW_38_594	Anillar	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_2	IE_NW_38_597	Fad Gubbin Hill	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_60	Aderry	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_603	Nabrackmore	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_2	IE_NW_38_604	Namanlagh	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_606	Namuck	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38_61	an tSeisigh	Lake	*Not At Risk*	*Not At Risk*	Good	Good	No		an tSeisigh	Proposed by IFI as important Arctic char lake, water quality problems. Also proposed by NPWS but not hydrologically connected to other SC WBs within suggested PAA
38_7	IE_NW_38_612	Lack More	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_613	Agher	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_62	Meenlecknalore	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_9	IE_NW_38_621	Fad Portnoo	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_63	Acloghbolie	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_5	IE_NW_38_635	Greenan	Lake	*Not At Risk*	*At Risk*	High	Good	Yes	Hymo	Owencarrow_Blue Dot	Blue Dot lake failing to meet HSO - *At Risk*. Proposed by IFI - Important Arctic char lake, important indicator species and for biodiversity
38_9	IE_NW_38_64	Doon	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_5	IE_NW_38_649	Salt	Lake	*Not At Risk*	*Not At Risk*	Good	Good	No			
38_9	IE_NW_38_651	Magrath Beg	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_652	Adreen	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_66	Croangar	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_661	Croan	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No		Clady	Unassigned, NAR - proposed by NPWS and within Clady PAA sub-basin
38_5	IE_NW_38_665	Agannive Brockagh	Lake	*Review*	*Review*	Unassigned	Unassigned	Yes		Owencarrow_Blue Dot	Unassigned Blue Dot lake, *Review* - proposed by NPWS
38_3	IE_NW_38_668	Naglea	Lake	*At Risk*	*Not At Risk*	Moderate	Good	No			
38_8	IE_NW_38_67	Nasnanida	Lake	*Not At Risk*	*At Risk*	Good	Good	No	Other		
38_3	IE_NW_38_670	Kindrum	Lake	*At Risk*	*At Risk*	Moderate	Moderate	No	Other	Kindrum	Mod status, *At Risk* - proposed by IFI for Arctic char. Also proposed by NPWS
38_9	IE_NW_38_671	Ananima	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38_678	Shannagh	Lake	*At Risk*	*Not At Risk*	Moderate	Good	No			
38_7	IE_NW_38_683	Dunlewy	Lake	*Review*	*Review*	Unassigned	Unassigned	No		Clady	Unassigned, *Review* - proposed by IFI for Arctic char and within Clady PAA sub-basin
38_1	IE_NW_38_69	Meela	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_692	Dunglow	Lake	*Not At Risk*	*At Risk*	High	Good	Yes	Other	Dungloe	*At Risk*, Blue Dot Waterbody - should be included in Dungloe AFA for LA. Also proposed by NPWS
38_5	IE_NW_38_693	Veagh	Lake	*At Risk*	*At Risk*	Good	Good	Yes	Other	Owencarrow_Blue Dot	Blue Dot lake failing to meet HSO - *At Risk*. Proposed by IFI for Arctic char and NPWS also
38_9	IE_NW_38_73	Derryduff	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_38_75	Keel Kilmacrenan	Lake	*Not At Risk*	*Review*	Good	Good	No		Keel (Kilmacrenan)	Mod status, *At Risk* - proposed by IFI for Arctic char

Subcatchment Code	Waterbody Code	Waterbody Name	Waterbody Type	Risk 10-15	Risk 13-18	Status 10-15	Status 13-18	High Ecological Status Objective Waterbody	Significant Pressures	Recommended Areas for Action Name	Recommended Areas for Action (reasons for selection)
38_8	IE_NW_38_77	Annilanowennamarve	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_8	IE_NW_38_8	Nanuarragh	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_38_81	Mullaghderg East	Lake	*Review*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_38_82	Craghy	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_38_83	Anure	Lake	*At Risk*	*At Risk*	Good	Good	Yes	DWW		
38_2	IE_NW_38_84	Barra	Lake	*At Risk*	*At Risk*	Good	Good	Yes	Ag, Other	Gweebarra	Blue Dot lake - could be included with river WBS in IFI catchment research project
38_1	IE_NW_38_85	Mullaghderg West	Lake	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
37_4, 38_1, 38_3, 38_4, 38_5, 38_6, 38_8, 38_9, 39_1, 40_1	IE_NW_100_0000	Northwestern Atlantic Seaboard (HAs 37;38)	Coastal	*Not At Risk*	*Not At Risk*	High	High	Yes			
38_4, 38_9	IE_NW_110_0000	Loughros Bay	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_2, 38_8, 38_9	IE_NW_120_0000	Gweebarra Bay	Coastal	*Review*	*Not At Risk*	Good	Good	Yes			
38_8	IE_NW_130_0000	Trawena Bay	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_140_0000	Dungloe Bay	Coastal	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_1	IE_NW_150_0000	Rutland Sound	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_1	IE_NW_150_0100	Sally's Lough	Coastal	*Review*	*Review*	Unassigned	Unassigned	No			
38_1, 38_6, 38_7	IE_NW_160_0000	Gweedore Bay	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_6	IE_NW_170_0000	Ballyness Bay	Coastal	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_180_0000	Tory Island Waters	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_5	IE_NW_190_0000	Sheephaven Bay	Coastal	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_3	IE_NW_200_0000	Mulroy Bay Broadwater	Coastal	*At Risk*	*At Risk*	Moderate	Good	No	Other		
38_3	IE_NW_210_0000	Mulroy Bay Northwater	Coastal	*Review*	*Review*	Unassigned	Unassigned	No			
38_3, 39_1, 39_2, 39_3	IE_NW_220_0000	Lough Swilly	Coastal	*Not At Risk*	*Not At Risk*	High	Good	Yes			
38_4, 38_9	IE_NW_110_0100	Owenea Estuary	Transitional	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_2	IE_NW_120_0100	Gweebarra Estuary	Transitional	*Review*	*Not At Risk*	Good	Good	Yes		Gweebarra	Proposed by IFI - inflowing RWBs are part of one of IFI's index catchments for climate change and we have long-term monitoring in place there
38_1	IE_NW_140_0100	Maghery Lough	Transitional	*Review*	*Review*	Unassigned	Unassigned	No			

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38_1	IE_NW_160_0100	Loch Chionn Caslach (Kincas Lough)	Transitional	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_1, 38_7	IE_NW_160_0200	Gweedore Estuary	Transitional	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_7	IE_NW_160_0300	Moorlagh	Transitional	*Review*	*Review*	Unassigned	Unassigned	No			
38_7	IE_NW_160_0500	Meenaclady	Transitional	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_6	IE_NW_180_0100	Loch O Dheas, Tory Island	Transitional	*Not At Risk*	*Review*	Unassigned	Unassigned	No			
38_5	IE_NW_190_0100	Lackagh Estuary	Transitional	*Not At Risk*	*Not At Risk*	Unassigned	Unassigned	No			
38_3	IE_NW_200_0200	Carrick Beg Lough (South)	Transitional	*Review*	*Review*	Unassigned	Unassigned	No			
01_1, 01_3, 01_5, 36_25, 36_26, 36_27, 37_1, 37_2, 37_3, 37_4, 37_5, 38_4, 38_9	IE_NW_G_047	Donegal South	Groundwater	*Not At Risk*	*Not At Risk*	Good	Good	No			
01_3, 01_8, 37_3, 37_4, 37_5, 38_1, 38_2, 38_3, 38_4, 38_5, 38_6, 38_7, 38_8, 38_9, 39_3, 39_5, 39_7	IE_NW_G_049	Northwest Donegal	Groundwater	*Review*	*Not At Risk*	Good	Good	No			
38_1	IE_NW_G_099	Arainn Mhor (Donegal)	Groundwater	*Not At Risk*	*Not At Risk*	Good	Good	No			
01_1, 01_2, 01_3, 01_4, 01_6, 01_7, 01_8, 37_2, 37_5, 38_2, 38_9, 39_6, 39_7	IEGBNI_NW_G_048	Ballybofey	Groundwater	*Not At Risk*	*Not At Risk*	Good	Good	No			
01_6, 01_8, 01_9, 38_2, 38_3, 38_5, 39_1, 39_2, 39_3, 39_4, 39_5, 39_6, 39_7, 40_1, 40_2, 40_6	IEGBNI_NW_G_059	Lough Swilly	Groundwater	*Not At Risk*	*Not At Risk*	Good	Good	No			

Ag: Agriculture

DWW: Domestic Waste Water

M+Q: Mines and Quarries

Peat: Peat Drainage and Extraction

For: Forestry

Hymo: Hydromorphology

Ind: Industry

UR: Urban Run-off

UWW: Urban Waste Water

Note: Significant Pressures for *Review* waterbodies have not been included as they will need to be confirmed as part of an Investigative Assessment.