3rd Cycle Draft Suir Catchment Report (HA 16)

Catchment Science & Management Unit

Environmental Protection Agency

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Preface

This document provides a summary of the water quality assessment outcomes for the Suir 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 Suir 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 Suir catchment includes the area drained by the River Suir and all streams entering tidal water between Drumdowney and Cheekpoint, Co. Waterford, draining a total area of 3,542km² (Figure 1). The largest urban centre in the catchment is Waterford City. The other main urban centres in this catchment are Carrick-on-Suir, Clonmel, Caher, Thurles, Tipperary, Fethard and Templemore. The total population of the catchment is approximately 184,860 with a population density of 52 people per km².

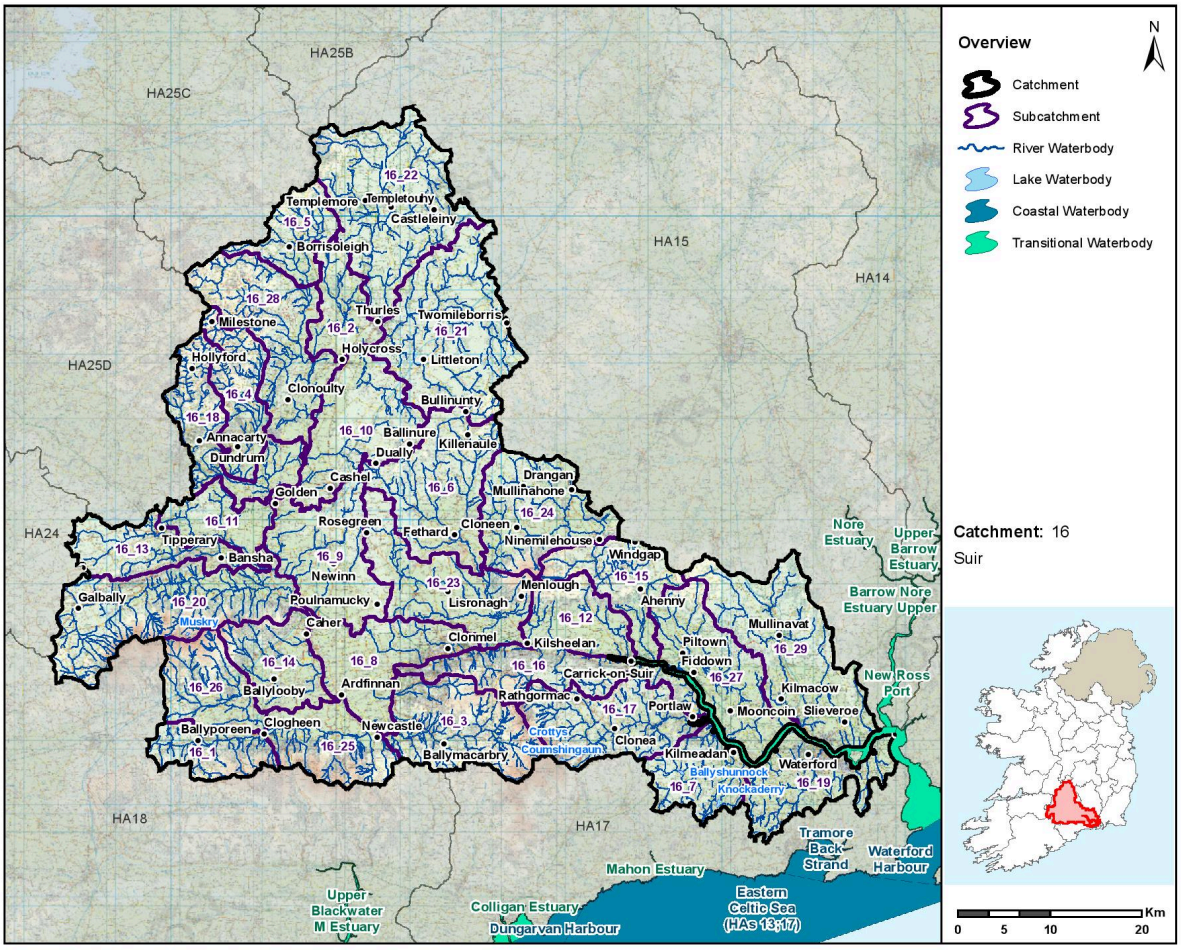


Figure 1: Overview of subcatchments in the Suir catchment

The Suir catchment is divided into 29 subcatchments (Figure 1) with 168 river waterbodies, seven lakes, four transitional and 43 groundwater bodies. There are no coastal waterbodies in the catchment (Figure 2).

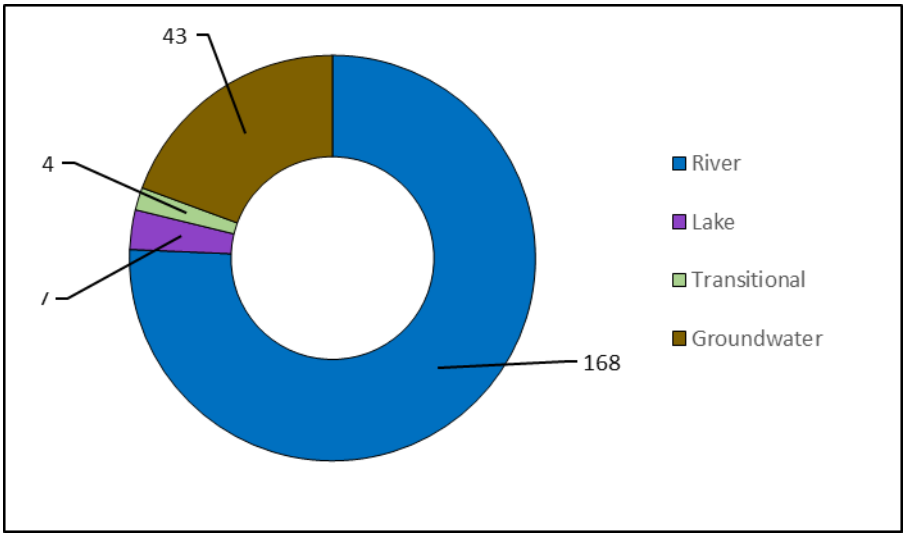


Figure 2: Waterbody types and numbers in the Suir Catchment.

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 five waterbodies achieving High Status, 83 achieving Good Status, 55 achieving Moderate Status and 35 achieving Poor Status. There are 44 waterbodies that do not have status assigned for Cycle 3. All waterbodies must achieve at least Good Ecological status.

- In addition, there are nine river waterbodies that must achieve High Ecological Status (HES) in this catchment. These waterbodies are listed in Appendix 1. Of the nine HES Environmental Objective waterbodies, two waterbodies (Glasha (Waterford)_010 & Tar_010) are achieving High Status while two waterbodies are at Good Status and five waterbodies are at Moderate Status.

- The overall number of waterbodies achieving High Status has remained at five between Cycle 2 and Cycle 3 (Figure 3 & Table 1). However, one river waterbody (Burncourt_020) declined from High Status to Good Status and two river waterbodies (Lingaun_010 & Aughnaglanny_010) declined from High Status to Moderate Status. This was offset by an improvement from Moderate Status to High Status in two river waterbodies (Aherlow_040 & Clodiagh (Portlaw)_010) and an improvement from Good Status to High Status in the Aherlow_070.

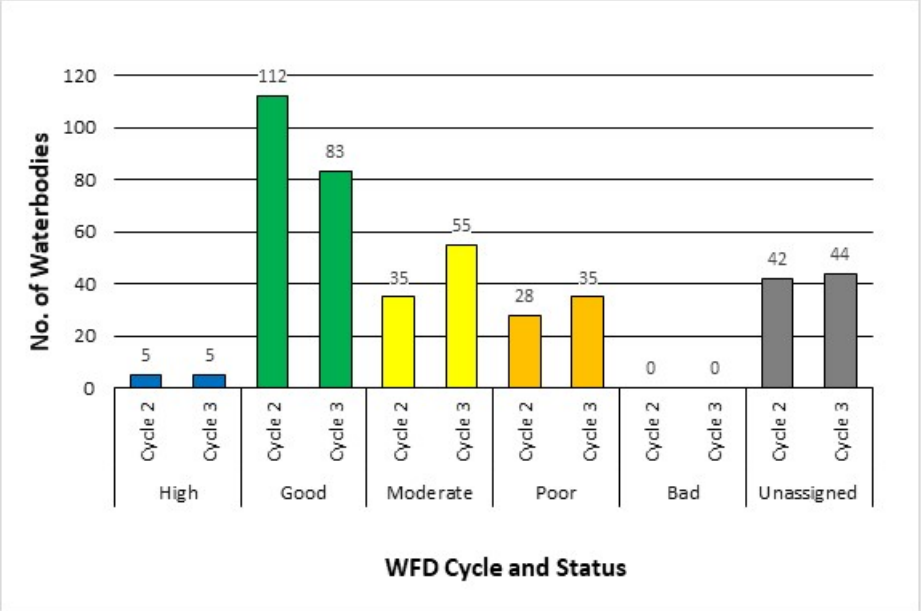


Figure 3: Waterbody Status Breakdown (All waterbodies)

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	5	5	0	0	0	0	0	0	0	0	**5**	**5**
Good	71	43	0	1	1	1	0	0	40	38	**112**	**83**
Moderate	31	52	2	2	2	1	0	0	0	0	**35**	**55**
Poor	22	28	2	0	1	2	0	0	3	5	**28**	**35**
Bad	0	0	0	0	0	0	0	0	0	0	**0**	**0**
Un-assigned	39	40	3	4	0	0	0	0	0	0	**42**	**44**
Total	168	168	7	7	4	4	0	0	43	43	**222**	**222**

- 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 11 (6%) waterbodies have improved in status, 124 (70%) waterbodies have remained unchanged and 43 (24%) waterbodies have declined in status.[1]

- There is an overall decline in the status of 32 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 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.

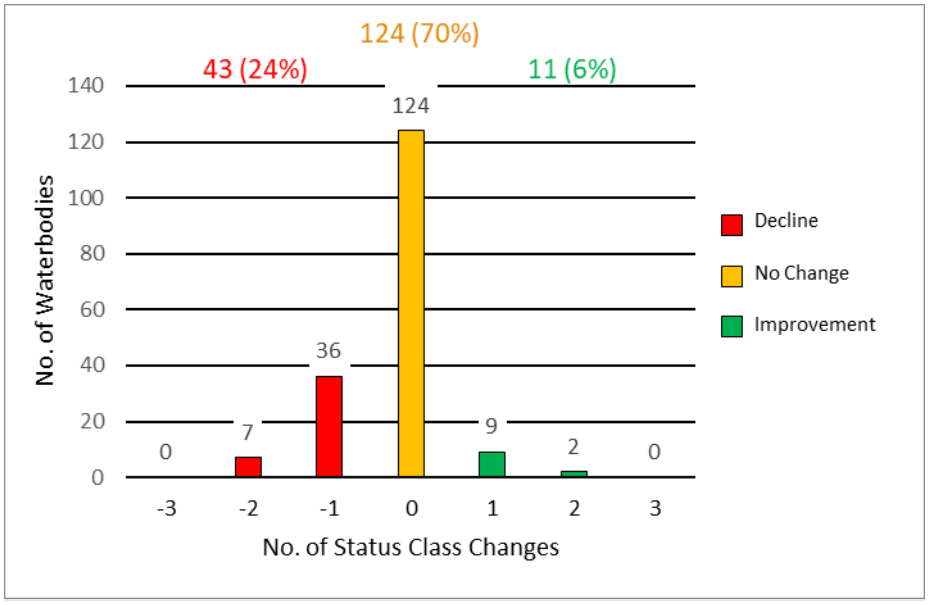


Figure 4: Status Class Changes between Cycle 2 and Cycle 3

2.2 Protected Areas

2.2.1 Drinking Water

- There are 21 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*.

- One river waterbody and three groundwater bodies in the catchment did not meet the DWPA objective in 2019:
    - Multeen (EAST)_010 (IE_SE_16M080100) river waterbody is the source for the Dundrum Regional (2900PUB0113) public supply which had MCPA and 2,4-D pesticide exceedances.
    - Ballingarry (IE_SE_G_009) groundwater body is the source for Dunmore GWS 1500PRI3049 group water scheme which had nitrate exceedance;
    - Templemore (IE_SE_G_131) groundwater body is the source for Templetuohy public supply (2800PUB1013) which had nitrate exceedence;
    - Durrow (IE_SE_G_156) groundwater body is the source for Cullahill Group Water Scheme (1600PRI3001) which had nitrate exceedence.

- 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 no bathing waters in or directly adjacent to the catchment identified under the Bathing Water Regulations 2008.

[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

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

2.2.3 Shellfish Areas

- There is one designated shellfish area in the catchment.

- 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		Waterbody intersection		Objective met?	
Name	Code	Name	Code	Yes	No
Waterford Harbour (Cheekpoint/Arthurstown/Creadan)	IEPA2_0056	Lower Suir Estuary (Little Island - Cheekpoint)	IE_SE_100_0500	✓	
		Barrow Suir Nore Estuary	IE_SE_100_0100		
		Waterford Harbour	IE_SE_100_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.

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

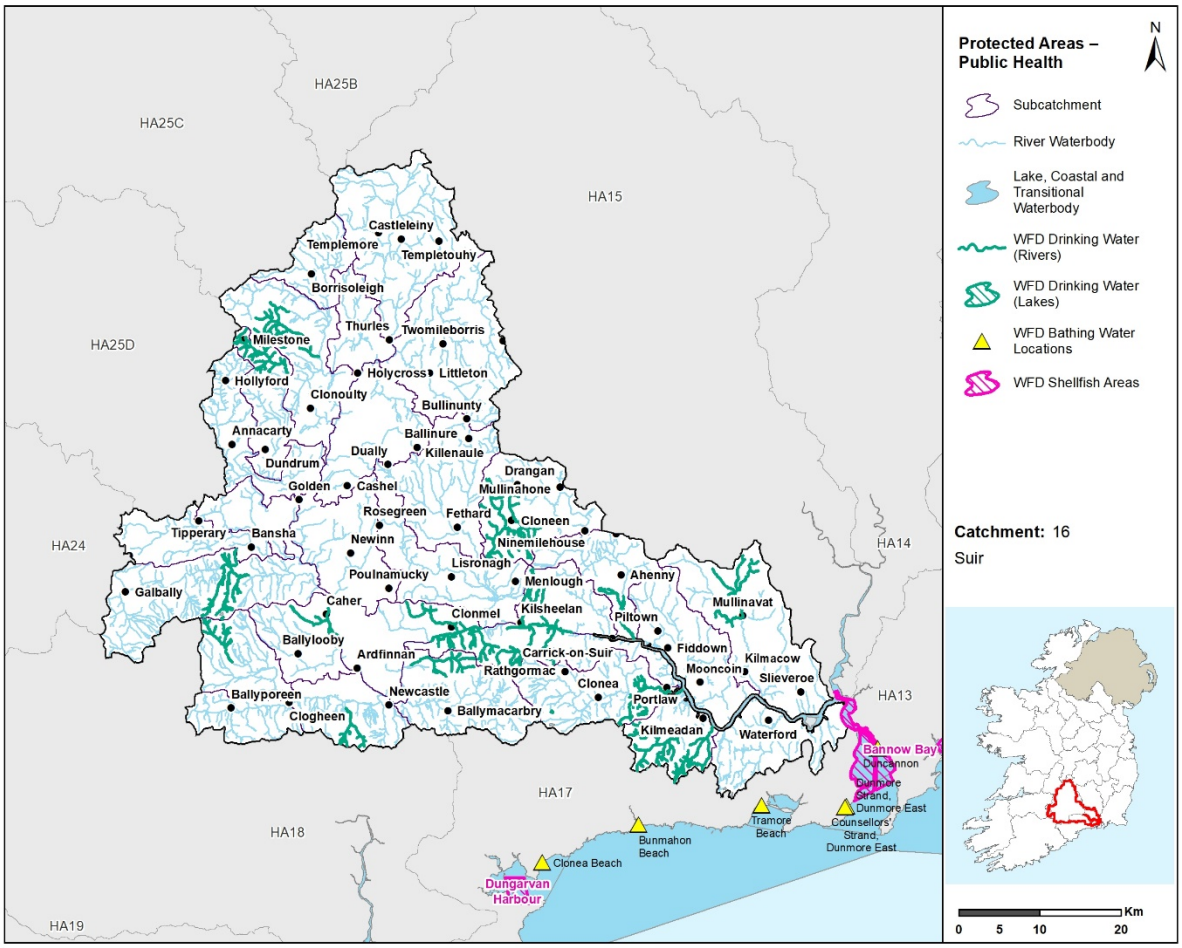


Figure 5: Protected Areas – Public Health

2.2.4 Natura 2000 Sites and Salmonid Waters

- 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 nine SACs in this catchment, six 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	80	26	34	20
Transitional & Coastal	4	1	3	0

**As the waterbody status was unassigned.*

- There are two river waterbodies with FWPM habitats, none of which had achieved the required macroinvertebrate standard as set out in the FWPM Regulations.

- 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) and salmonid waters in the catchment are illustrated in Figure 6.

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

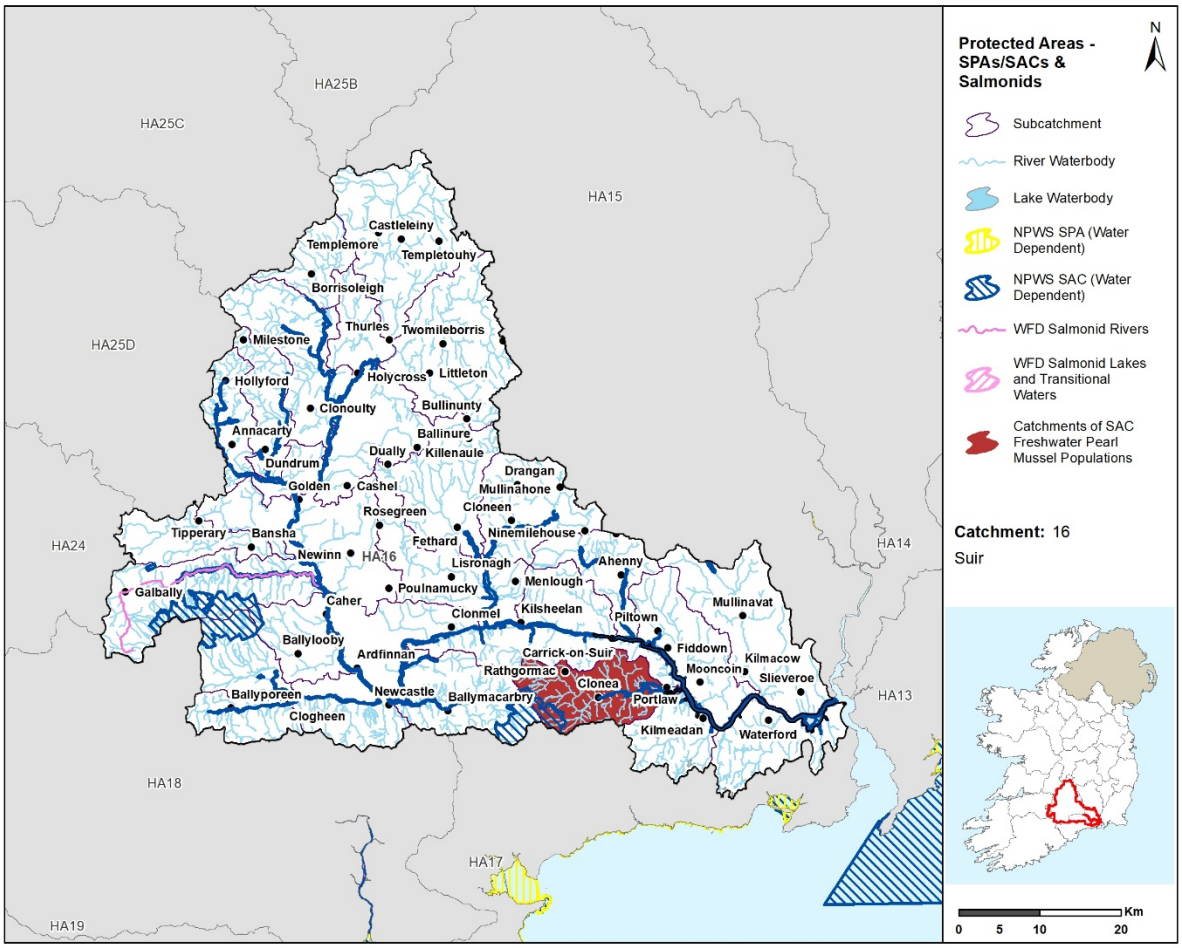


Figure 6: Water Dependent SPAs / SACs and Salmonid Waters

2.2.5 Nutrient Sensitive Areas

- The EPA carried out a review of Nutrient Sensitive Areas (NSAs) downstream of large urban waste water discharges in 2020. Once the regulations are in place, and nutrient sensitive areas have been identified, additional nutrient removal must be applied (if not already applied) to waste water treatment plants discharging to the sensitive area. If this treatment was in place the objective was deemed to have been met.

- There are five NSAs in the catchment and these are downstream of four urban wastewater agglomerations. The list of NSAs, associated agglomerations and intersecting water bodies are provided in Table 4.

- NSA objectives are being met in three of the four NSAs in the catchment.

Table 4: Nutrient sensitive areas in the catchment

Nutrient Sensitive Area	Agglomeration		Water body		Objective met?		Comment
	Name	Code	Name	Code	Yes	No	
Suir River (080 & 090)	Thurles	D0026	Suir_080	IE_SE_16S021100	✓		Tertiary Treatment is in place
			Suir_090	IE_SE_16S021300			
Ara River (030)	Tipperary Town	D0146	Ara_030	IE_SE_16A030440	✓		Tertiary Treatment is in place
Suir (River)	Clonmel	D0035	Suir_190	IE_SE_16S022600	✓		Tertiary Treatment is in place
			Suir_200	IE_SE_16S022700			
			Suir_210	IE_SE_16S022750			
			Suir_220	IE_SE_16S022850			
Suir Estuary (Upper)			Upper Suir Estuary	IE_SE_100_0600			
Middle Suir Estuary	Waterford	D0022	Middle Suir Estuary	IE_SE_100_0550		✓	Secondary Treatment is in place

2.3 Heavily Modified Waterbodies

- Based on the 1st and 2nd RBMPs there is currently one designated heavily modified water body (HMWB) in the Suir catchment (Lower Suir Estuary (Little Island Cheekpoint)) due to port facilities. It is classified as having Good Ecological Potential in 2013-2018 (Cycle 3). 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 (AWBS) present in the Suir 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 222 waterbodies in the Suir Catchment and 111 (50%) of these are currently *At Risk*, 50 (23%) in *Review* and 61 (26%) are *Not At Risk*.

3.2 Surface Waters

- For the 168 river waterbodies, 89 (53%) are *At Risk*, 34 (20%) are in *Review* and 45 (27%) are *Not At Risk.*

- For the seven lake waterbodies, three (43%) are *At Risk* and four (57%) are *Not At Risk* (Knockaderry, Ballyscanlan & Ballyshunnock).

- All four (100%) transitional waterbodies (Barrow Suir Nore Estuary, Lower Suir Estuary, Middle Suir Estuary and Upper Suir Estuary) are *At Risk.*

- The largest proportion of *At Risk* waterbodies are found in rivers, accounting for 89 (80%) of 111 *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 an increase in *29 At Risk* waterbodies reflected by a decrease of 29 *Not At Risk* waterbodies between Cycle 2 and Cycle 3.

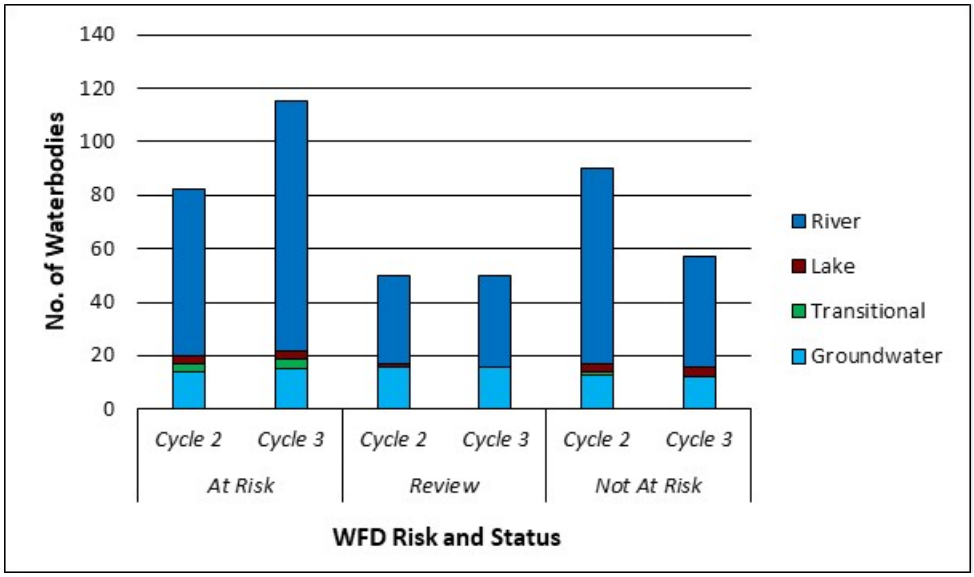


Figure 7: Number of waterbodies in each risk category

- 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.

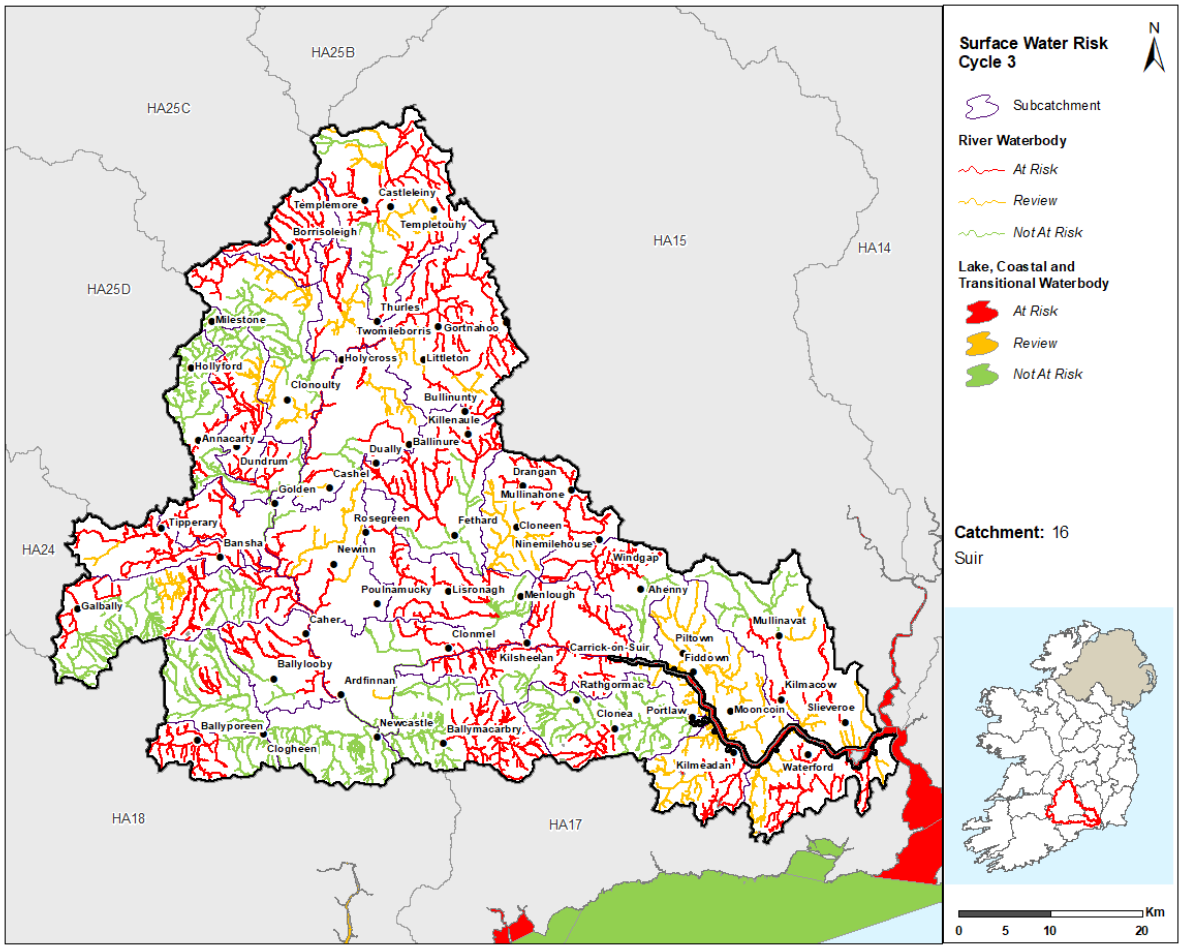


Figure 8: Surface Water Risk Cycle 3

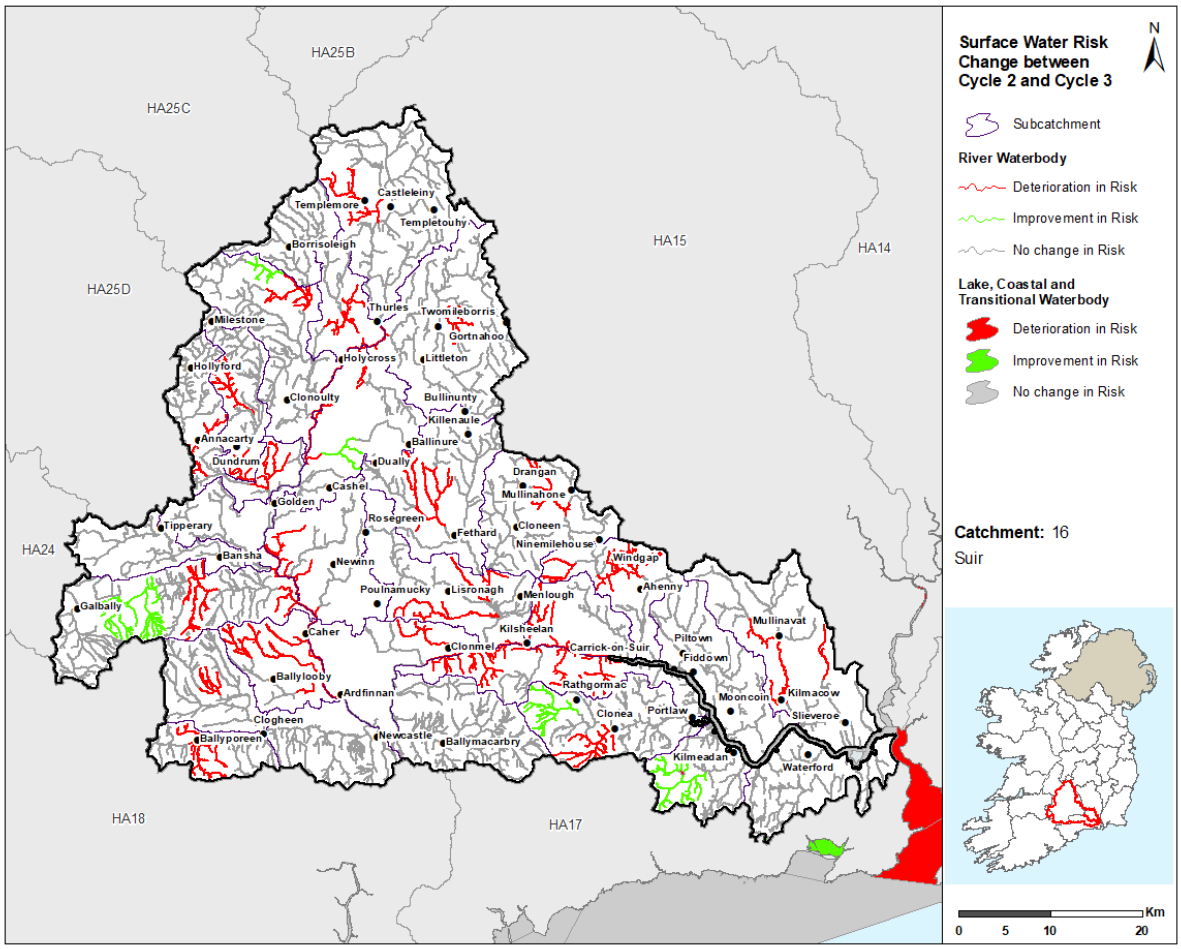


Figure 9: Surface Water Risk Change between Cycle 2 and Cycle 3

3.3 Groundwater

- For the 43 groundwater bodies, 15 (35%) are *At Risk*, 16 (37%) are in *Review* and 12 (28%) are *Not At Risk.*

- In Cycle 2 there were 14 groundwater bodies *At Risk* in this catchment, 16 in *Review* and 13 *Not At Risk*.

- The location of the *At Risk, Review and Not At Risk* groundwater bodies for Cycle 3 are shown in Figure 10 while the groundwater bodies that have experienced a change in risk between Cycle 2 and 3 are shown in Figure 11.

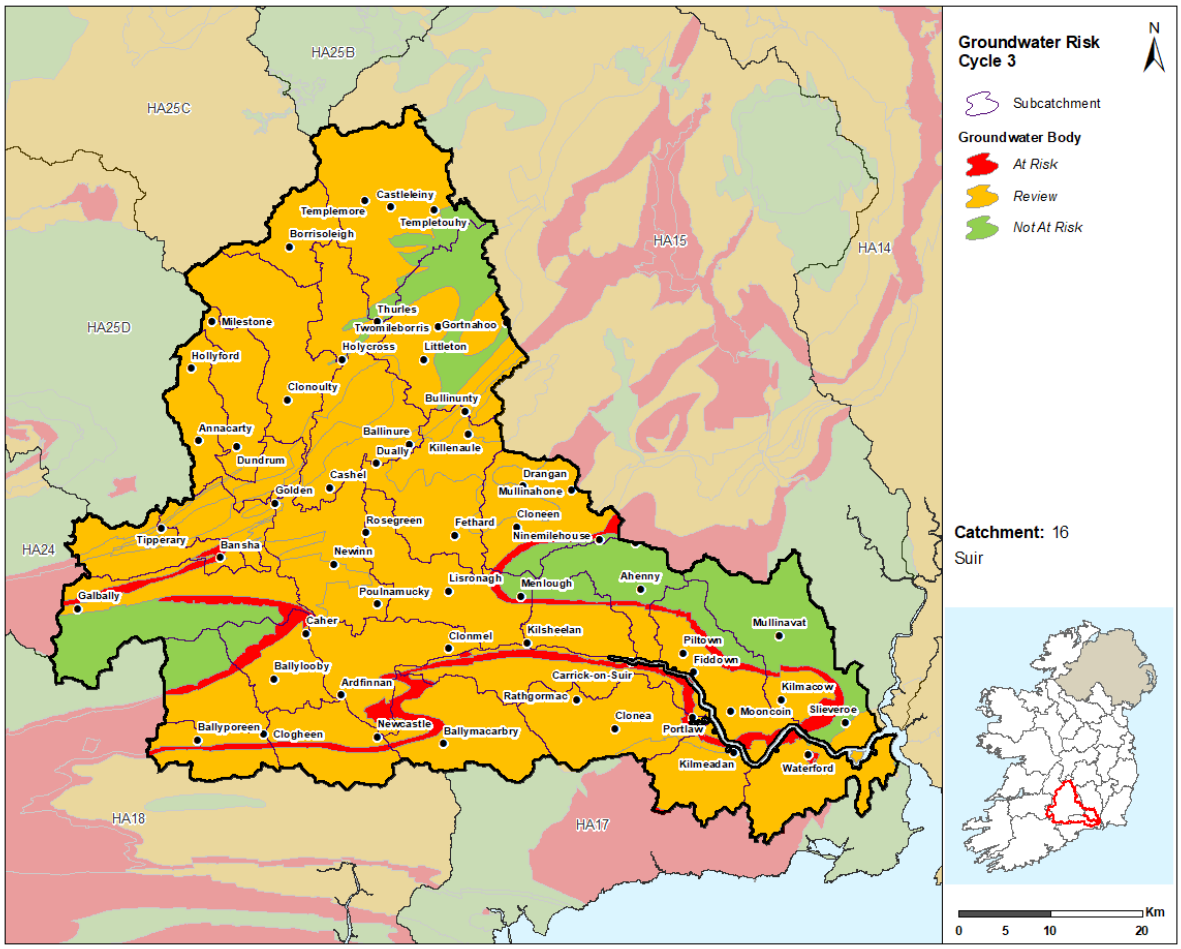


Figure 10: Cycle 3 Groundwater Body Risk

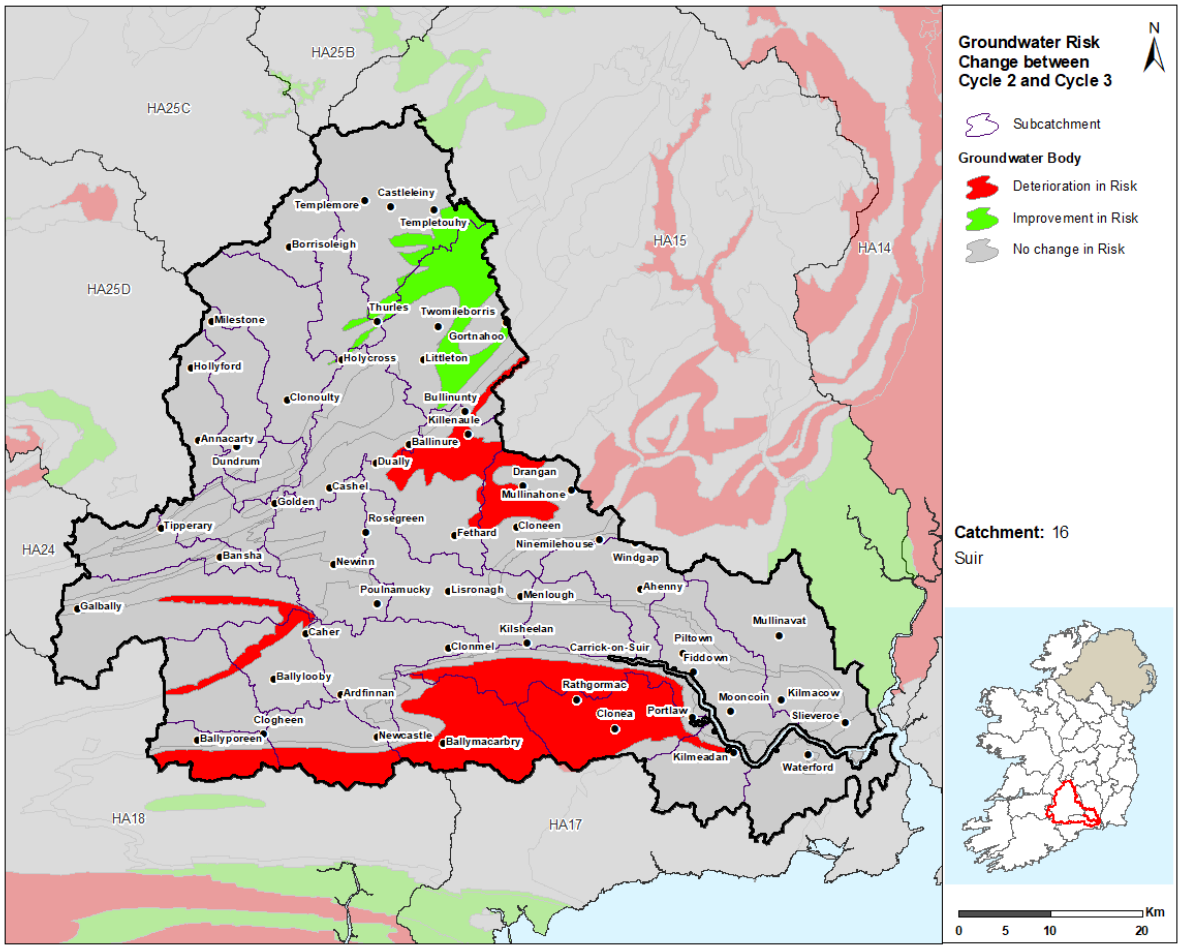


Figure 11: Groundwater Body Risk Change between Cycle 2 & Cycle 3

3.4 Heavily Modified Waterbodies

- The heavily modified water body (HMWB) in the Suir catchment (the Lower Suir Estuary (Little Island Cheekpoint)) is currently *At Risk* of not meeting its environmental objective in Cycle 3 due to dissolved Inorganic Nitrogen (as N) conditions. 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

- There are currently no Artificial Waterbodies (AWBS) present in the Suir Catchment.

4 Significant Issues in *At Risk* Waterbodies

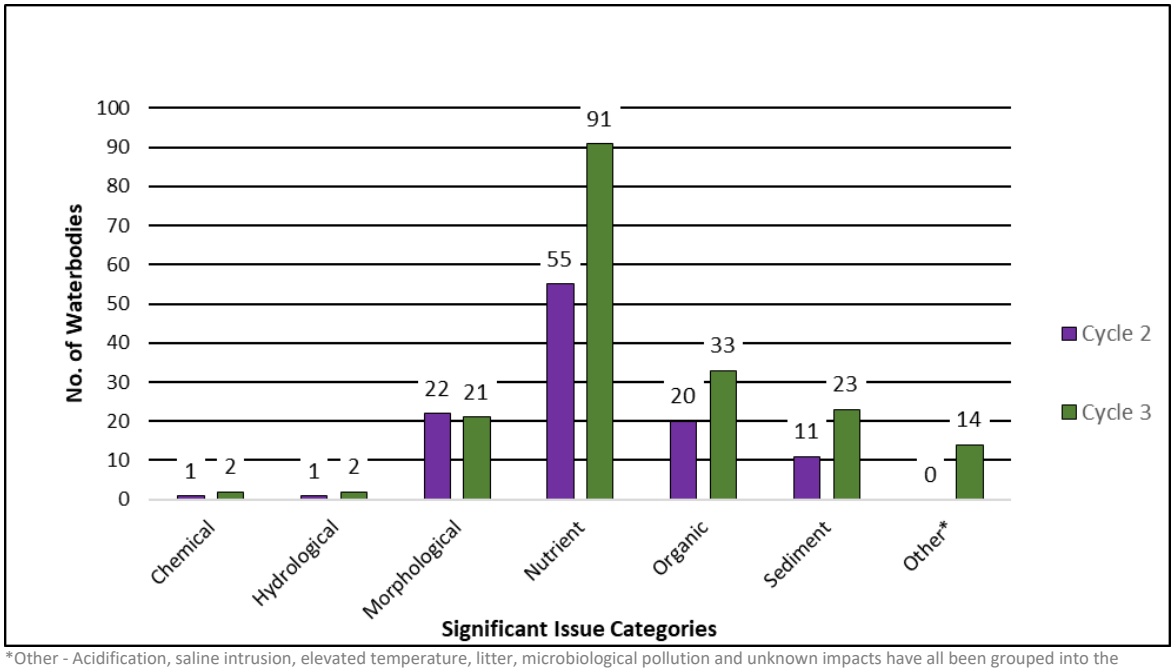
4.1 All Waterbodies

- Excess nutrients remain the most prevalent issue in the Suir Catchment (Figure 12) impacting 91 waterbodies in Cycle 3. Organic pollution is impacting 33 waterbodies and sediment and morphological impacts are affecting 23 and 21 waterbodies, respectively.

- For rivers, the main significant issues are nutrient pollution (70), organic pollution (30), sediment (23) and morphological impacts (21).
- For lakes, the main significant issues are nutrient pollution (3) and hydrological impacts (1).
- For transitional waterbodies the significant issues are nutrient (4) and organic (3) pollution.
- Nutrient pollution is the issue impacting 14 of the 15 *At Risk* groundwater bodies. Chemical pollution is impacting one groundwater body. 14 of the groundwater bodies have issues that fall into the other category, mainly unknown issues.
- Nutrient and organic pollution from agricultural sources have been identified as issues in the Heavily Modified Waterbody (Lower Suir Estuary (Little Island Cheekpoint)).

♦ Between Cycle 2 and Cycle 3 the number of waterbodies with nutrients issues have increased by 36 from 55 to 91. The number of waterbodies impacted by organic pollution has increased by 13 from 20 to 33. The number of waterbodies impacted by sediment has increased by 12 from 11 to 23.

♦ The numbers of waterbodies with morphological issues have decreased from 22 to 21 between Cycle 2 and Cycle 3.



*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

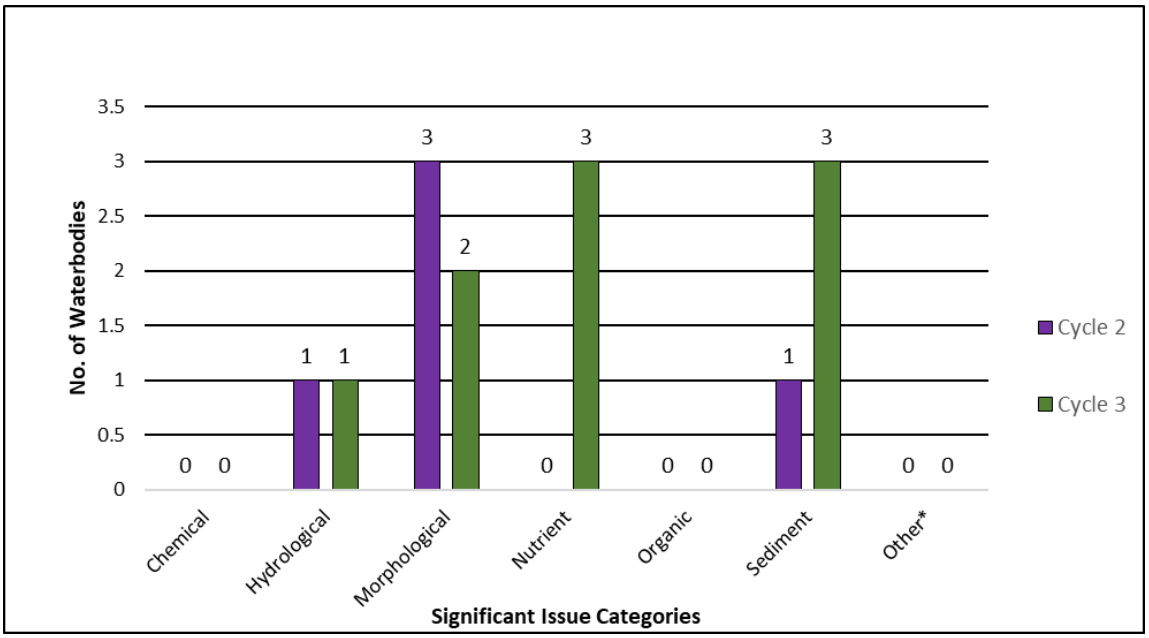
Figure 12: Significant Issues across all *At Risk* WBs between Cycle 2 and Cycle 3

4.2 High Status Objective Waterbodies

♦ In Cycle 3 for High Status Objective waterbodies nutrient issues are impacting three of the nine High Status Objective waterbodies (all rivers) currently *At Risk* (Figure 13). Sediment is impacting three waterbodies, while morphological and hydrological issues are impacting two & one waterbodies respectively.

♦ Between Cycle 2 and Cycle 3 the number of waterbodies with nutrients issues have increased by three from zero to three. The number of waterbodies impacted by sediment issues have

increased from one to three. Morphological issues have decreased from three to two waterbodies and hydrological issues continue to impact just 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

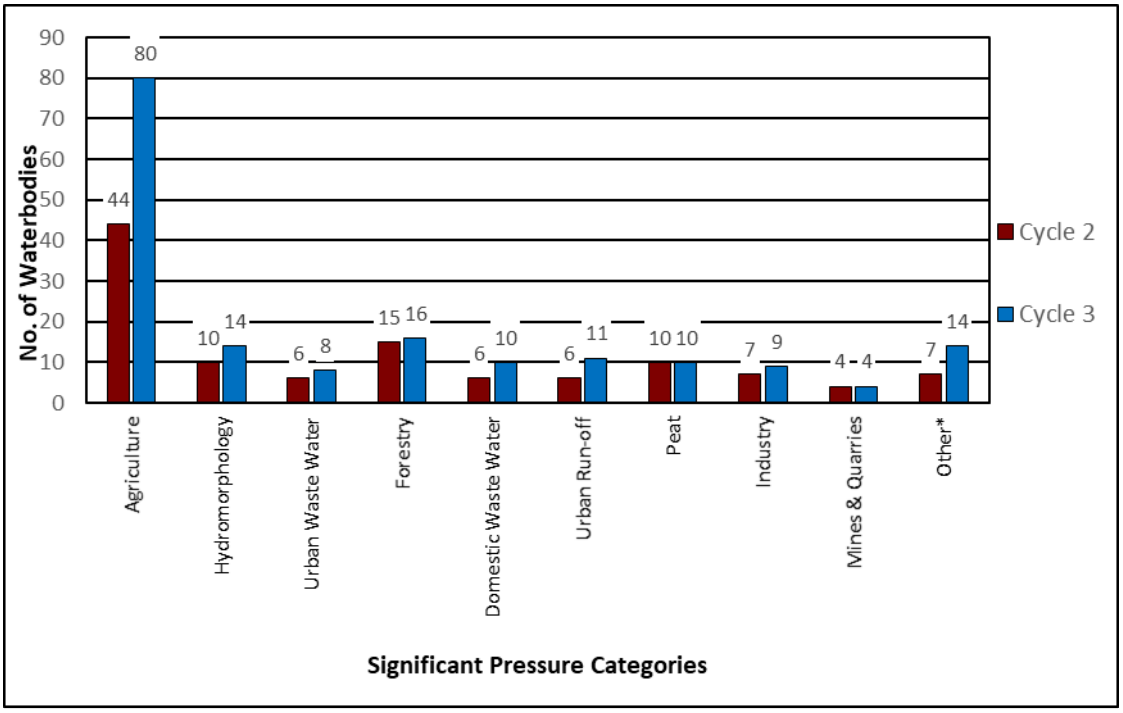
Figure 13: Significant Issues in *At Risk* High Status Objective Waterbodies

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 14 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 agriculture, followed by forestry, hydromorphology, other[6], urban run-off, domestic waste water, peat, industry, urban waste water and mines & quarries.
- When comparing Cycle 2 and Cycle 3, the biggest change is an increase of 36 waterbodies where agriculture is a significant pressure, from 44 waterbodies in Cycle 2 to 80 waterbodies in Cycle 3. This suggests that agricultural pressures are the primary reason for the overall decline in status of 43 waterbodies since Cycle 2.

[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



*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 14: Significant Pressure (All *At Risk* Waterbodies)

5.1.1 Pressure Type

5.1.1.1 Agriculture

- Agriculture is a significant pressure in 61 river waterbodies, three lake waterbodies (Knockaderry, Ballyscanlan & Ballyshunnock), all four transitional waterbodies and 12 groundwater bodies in Cycle 3. 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 remains an issue since Cycle 2. High nitrates concentrations have been identified in many waterbodies across the catchment in Cycle 3, which has contributed to an increase in the number of waterbodies impacted by nutrient pollution from agricultural sources. Sediment is also a problem from land drainage works, bank erosion from animal access or stream crossings.

5.1.1.2 Forestry

- Forestry is a significant pressure in 14 river waterbodies and two groundwater bodies (Mitchelstown & Ballyhoura Kiltorcan) in Cycle 3. The issues are a range of forestry activities taking place that include clearfelling and drainage, which have resulted in heavy siltation and excess nutrients in surface water bodies.

5.1.1.3 Hydromorphology

- Hydromorphology is a significant pressure in 14 river waterbodies. Channelisation is the dominant hydromorphology subcategory in the catchment with 10 river waterbodies within the catchment subject to extensive modification mainly due to drainage schemes. Land drainage was identified as an impact on three river waterbodies (Fishmoyne_010, Fishmoyne_020 & Suir_090). Dams, barriers, lock and weirs were identified as the pressure subcategory in one river waterbody (Clodiagh (Tipperary)_010). Fishmoyne_030 is still impacted by an embankment scheme.

5.1.1.4 Urban run-off

- Diffuse urban pressures, caused by misconnections, leaking sewers and runoff from paved and unpaved areas, have been identified as a significant pressure in 11 river waterbodies impacted by

Tipperary, Borrisoleigh, Ballyclerihan, Waterford City, Mullinahone, Thurles, Ardfinnan, and Clonmel urban areas. Nutrient and organic pollution are the significant issues.

5.1.1.5 Domestic waste water

- Domestic waste water has been identified as a significant pressure in nine river waterbodies. This is due to a concentration of domestic waste water treatment systems in close proximity to the water bodies. The significant issue is excess nutrients entering surface waters. Furthermore, some of these locations are located on areas of high susceptibility to phosphate transport via near surface pathways. Domestic waste water has also been identified as a significant pressure in one groundwater body (Tramore) where groundwater contribution of phosphate to surface waters was identified as a pressure.

5.1.1.6 Extractive industry

- *Peat*
  Peat drainage and extraction remains a significant pressure in 10 river water bodies. Elevated ammonia concentrations, increased sedimentation and morphological impacts are the significant issues.

5.1.1.7 Other significant pressures

- *Invasive species*
  Invasive plant species have been identified as a significant pressure in the Borrisoleigh Stream_010 river waterbody by altering habitat due to morphological changes.

- *Abstraction*
  Abstraction for East Waterford public water supply was identified as a significant pressure in Ballyshunnock lake with altered habitat due to hydrological changes identified as the issue.

- *Unknown anthropogenic*
  The significant pressures impacting six river waterbodies and five groundwater body are unknown.

5.1.1.8 Industry

- Industry has been identified as a significant pressure in seven river water bodies and two groundwater bodies (Industrial Facility (P0225-01) & Industrial Facility (P0157-02)). These point source discharges, causing nutrient and organic issues, arise from industrial discharges (Table 5).

Table 5: Breakdown of Cycle 3 Industry Significant Pressures in the Suir Catchment

Waterbody Code	Waterbody Name	Waterbody Type	Emission Type	Name	Impact
IE_SE_16A030300	ARA_020	River	IE	Tipperary Co-operative Creamery Limited	Nutrient & Organic
IE_SE_16A030440	ARA_030	River	IE	Tipperary Co-operative Creamery Limited	Nutrient & Organic
IE_SE_16C040100	CLOVER_010	River	Section 4	N/A*	Nutrient & Organic
IE_SE_16D040500	DAWN_020	River	Section 4	N/A*	Nutrient
IE_SE_16M021100	MULTEEN_050	River	Section 4	N/A*	Nutrient
IE_SE_16M080500	MULTEEN (EAST)_040	River	Section 4	N/A*	Nutrient
IE_SE_16S021930	SUIR_140	River	Section 4	N/A*	Nutrient

IE_SE_G_043	Industrial Facility (P0225-01)	Groundwater	IPC	John Ronan & Sons	Nutrient & Damage to groundwater-dependent terrestrial ecosystems for chemical reasons
IE_SE_G_176	Industrial Facility (P0157-02)	Groundwater	IPC	Ibrook Limited	Chemical & Damage to groundwater-dependent terrestrial ecosystems for chemical reasons

*Name of facility not provided during characterisation

5.1.1.9 Urban waste water

- Urban waste water agglomerations have been identified as a significant pressure in eight *At Risk* river waterbodies (Table 6). One of these *At Risk* waterbodies is impacted by Mullinahone Agglomeration that was upgraded in 2019 according to Irish Water's Capital Investment Programme (CIP) data as of August 2020. Time is needed to see if there is an improvement in water quality as a result of the upgrade.
- There are no plans on the current Irish Water CIP for the remaining six agglomerations that are each impacting one waterbody.

Table 6: 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]**
Galbally A0208	Agglomeration PE < 500	AHERLOW_020	Moderate	N/A
Drangan A0412	Agglomeration PE < 500	ANNER_010	Poor	N/A
Borrisoleigh D0323	Agglomeration PE of 1,001 to 2,000	BORRISOLEIGH STREAM_010	Poor	N/A
Clonea Power A0377	Agglomeration PE < 500	CLODIAGH (PORTLAW)_030	Moderate	N/A
Grangemockler A0416	Agglomeration PE < 500	LINGAUN_020	Moderate	N/A
Mullinahone D0456	Agglomeration PE of 500 to 1,000	MULLINAHONE STREAM_010	Poor	2019
Templemore D0190	Agglomeration PE of 2,001 to 10,000	SUIR_030	Moderate	N/A
Thurles D0026	Combined Sewer Overflows	SUIR_070	Moderate	2024

- Urban waste water significant pressures impacted two more waterbodies than in Cycle 2 (an increase from six to eight waterbodies impacted). The following Agglomerations are listed as pressures in Cycle 3 but were not on the list of significant pressures in Cycle 2.
    - Borrisoleigh (D0323)
    - Clonea Power (A0377)
    - Templemore (D0190)
    - Thurles (D0026)

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

Waterford City (D0022) agglomeration was previously identified as a significant pressure on the St John's_020 river waterbody due combined sewer overflows, but upon further investigation, there doesn't appear to be any licensed UWW discharges into this waterbody. Therefore, this agglomeration is no longer considered to be a pressure. Following upgrades, Twomileborris agglomeration is no longer deemed to be impacting Drish_050 river waterbody, as identified in Cycle 2.

5.1.1.10 Mines & Quarries

- Lisheen mine has been identified as a significant pressure impacting four river waterbodies (Drish_040, Rossestown_010, Rossestown_020 and Rossestown_030) causing elevated ammonia, increased sedimentation and morphological impacts in the river channels.

Figure 15 – Figure 17 illustrates the locations of waterbodies for the three most common pressures in order of prevalence (agriculture, forestry and hydromorphology) within the catchment in Cycle 3.

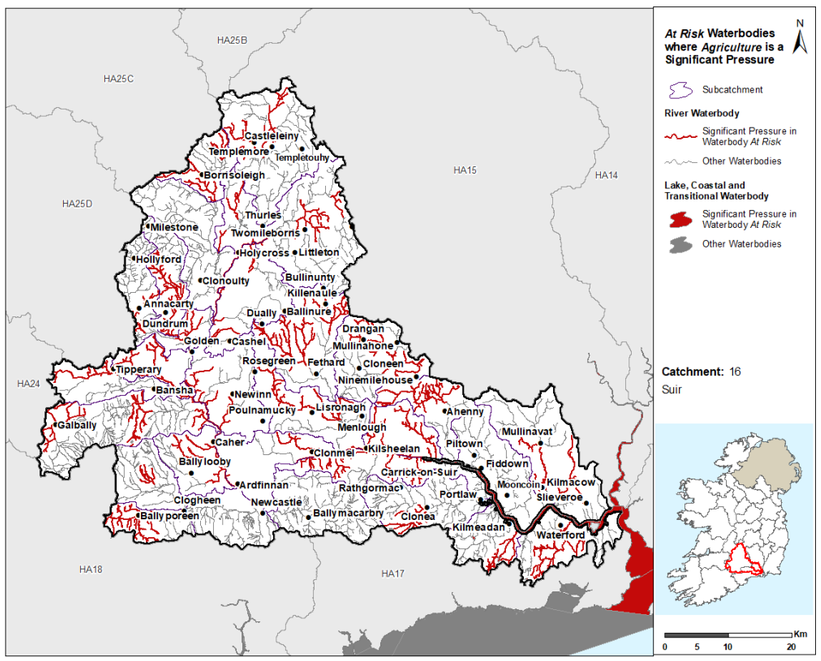


Figure 15: Locations of Waterbodies where Agriculture is a Significant Pressure

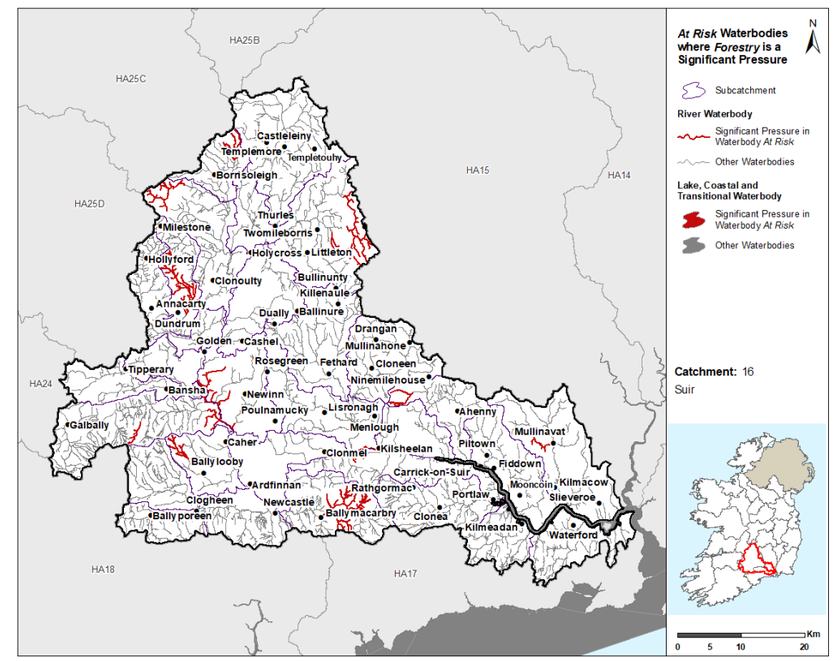


Figure 16: Locations of Waterbodies where Forestry is a Significant Pressure

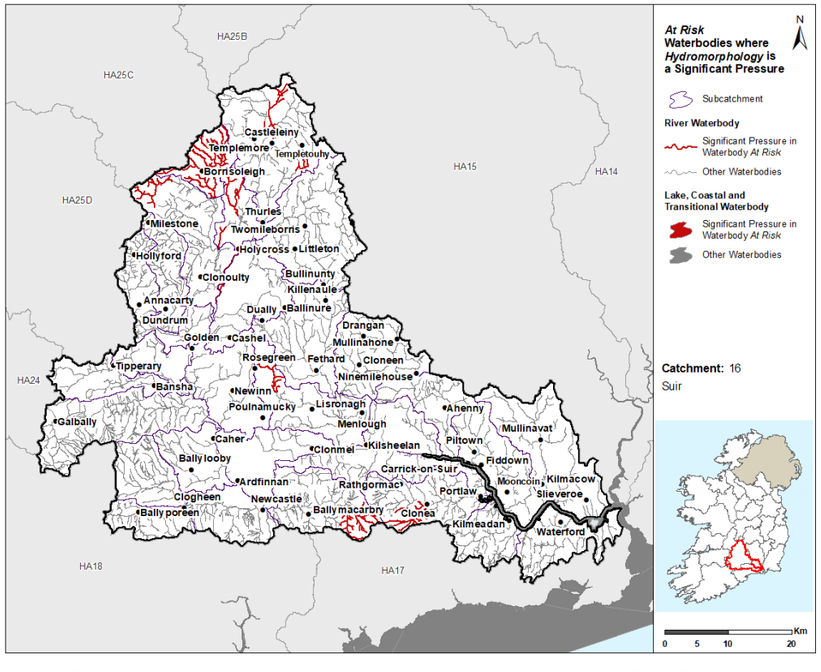
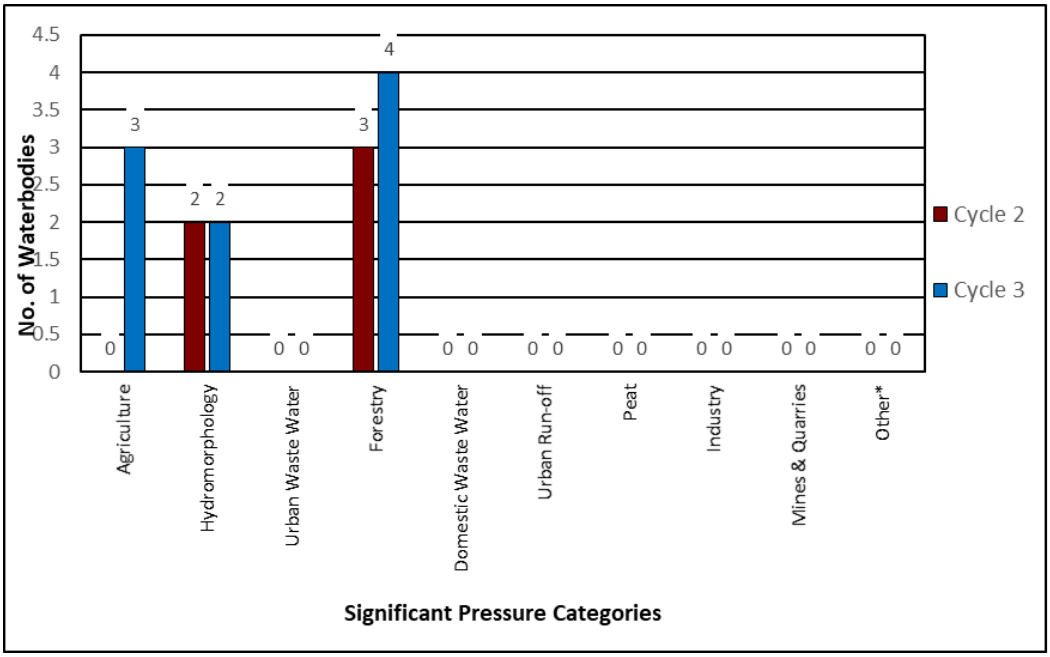


Figure 17: Locations of Waterbodies where Hydromorphology is a Significant Pressure

5.2 High Status Objective Waterbodies

- Forestry is the dominant issues impacting the *At Risk* High Status Objective waterbodies in the catchment with four (Nier_020, Lingaun_010, Clodiagh (Tipperary)_010 & Aughnaglanny_010) of the six *At Risk* waterbodies affected by forestry activities. Agriculture is impacting three (Lingaun_010, Burncourt_020 & Aughnaglanny_010) and hydromorphological issues are impacting two *At Risk,* High Status Objective waterbodies (Nier_010 & Clodiagh (Tipperary)_010.



*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 18: Significant Pressures 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 pasture and arable land is responsible for 84% and 9% of the nitrogen load respectively while land in pasture, discharges from urban waste water and forestry contribute 33%, 32% and 14% of the phosphorus loadings for the catchment respectively (Figure 17).

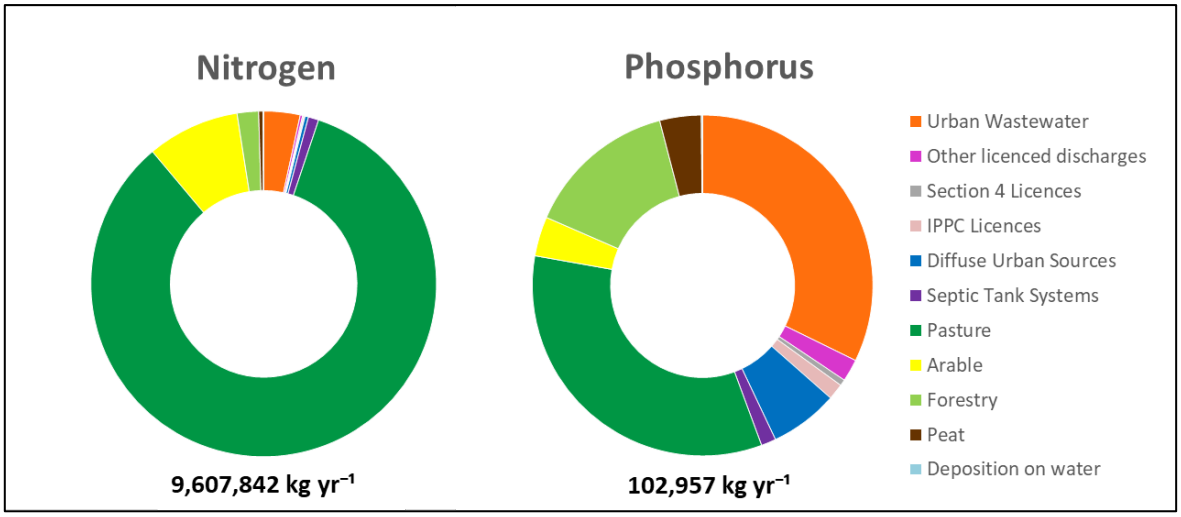


Figure 19: Estimated Proportions of N & P from Each Sector in the Suir Catchment

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. The assessment report can be found at https://www.catchments.ie/assessment-of-the-catchments-that-need-reductions-in-nitrogen-concentrations-to-achieve-water-quality-objectives.

- The N reduction required in the Suir Catchment is considered to be high and ranges from 500-2000 t N/yr.

- Source load apportionment modelling indicates that the main sources of N in the catchment are 84% pasture, 9% arable, 3% Urban waste water and 4% from miscellaneous sources.

7.2 Phosphorus / Sediment Load Reduction

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

Figure 20 highlights areas where agricultural measures for nitrogen, sediment and phosphorus should be targeted. Waterbodies with orange fill are areas where nitrogen measures should be targeted, waterbodies with blue fill are areas where sediment or phosphorus should be targeted and waterbodies with orange and blue hatching highlight areas where multiple measures (phosphorus /sediment and nitrogen) are required. Pollution Impact Potential mapping for both phosphorus and nitrogen in the catchment are provided in Appendix 2.

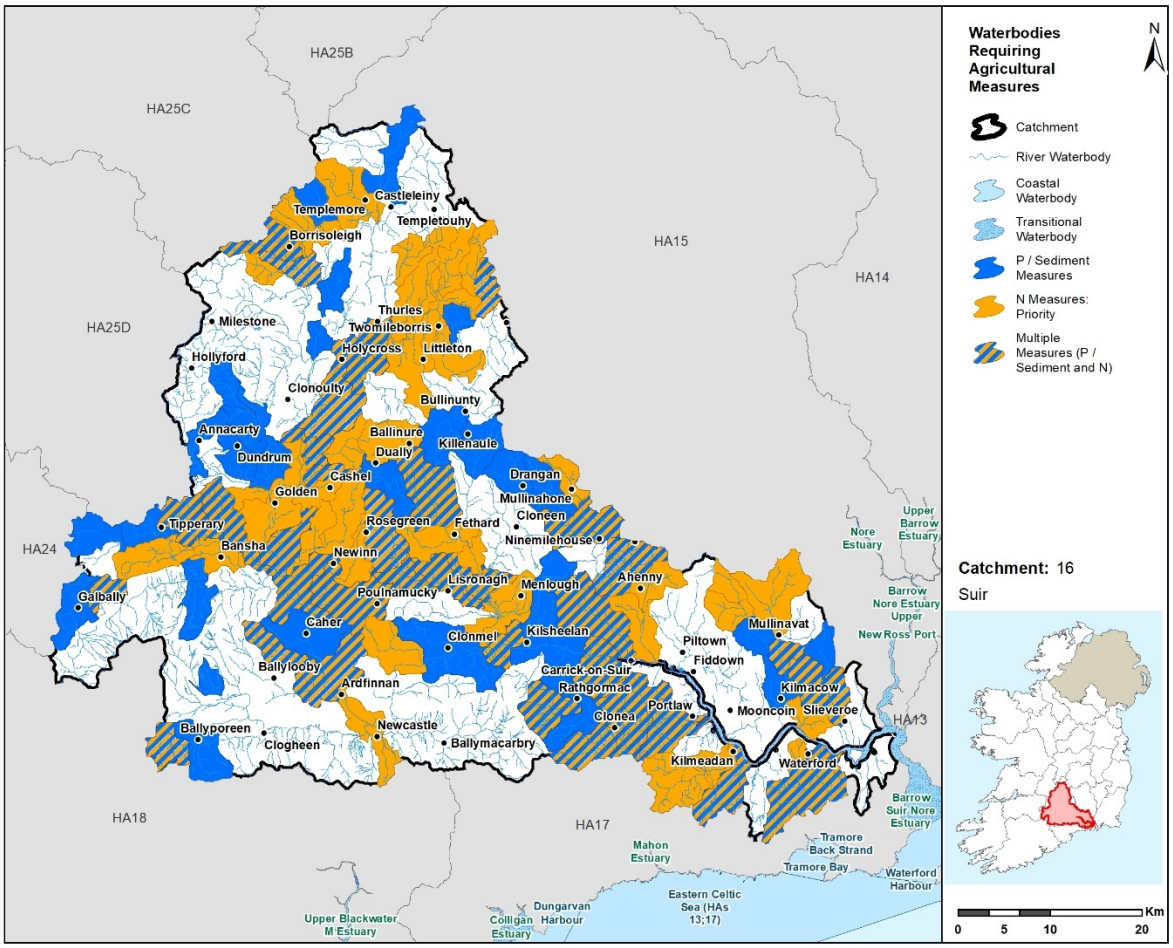


Figure 20: Waterbodies where Agricultural Measures should be Targeted

8 2nd Cycle Areas for Action

8.1 Area for Action Overview

- There were seven Areas for Action, comprising of 26 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 7 and shown in Figure 21. LAWPRO, in conjunction with local authorities and stakeholders from the South-eastern Regional Operational Committee, have been working in these areas since 2018.

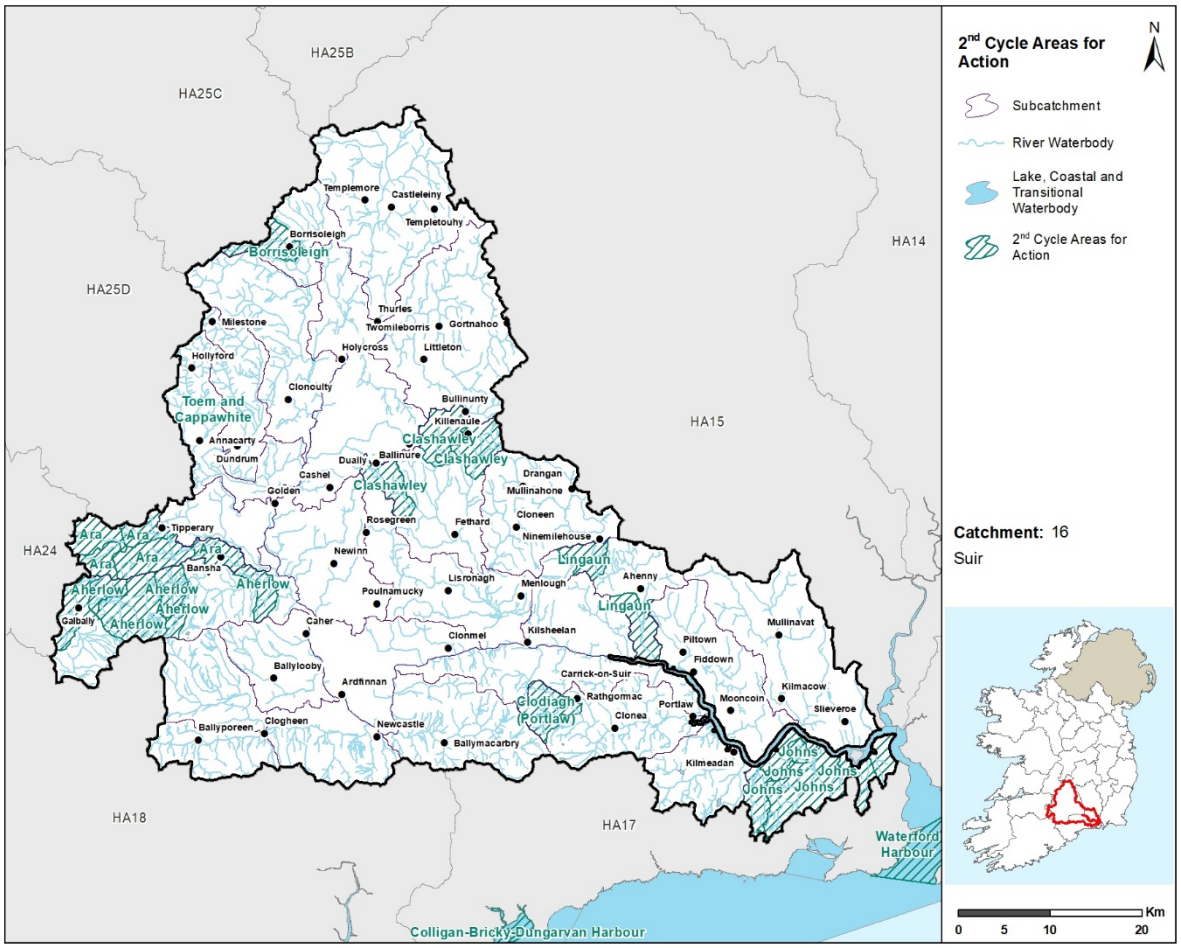


Figure 21: 2nd Cycle Areas for Action Locations

Table 7: 2nd Cycle Areas for Action

2nd Cycle Area for Action	Number of Waterbodies	Sub-catchment	Local Authority	Reason for Selection
Ara	5	16_13	Tipperary	• County town (Tipperary), with multiple pressures. Long term challenge - four waterbodies with consistently Poor or Moderate status. • CFRAM identified this river as potential for Natural Water Retention Measures (NWRM). • Headwater of the river Ara. • Local community group. Application for leader funding to transfer management of the river to the school/local community. • Potential to work with local co-operative.
Borrisoleigh	1	16_5	Tipperary	• Multiple pressures on stream that flows through Borrisoleigh town. Headwaters to the river Fishmoyne. • Strong local development association.
Clashawley	3	16_6	Tipperary	• Building on work completed by Tipperary County Council. • Potential to work with community group. • Large water abstraction. • Potential to work IFI project.

2nd Cycle Area for Action	Number of Waterbodies	Sub-catchment	Local Authority	Reason for Selection
				• Two deteriorated waterbodies. • Three potential 'quick wins'.
Lingaun	2	16_15	Tipperary	• Would bring all waterbodies in the subcatchment to Good status. • One deteriorated waterbody. • One waterbody that failed to meet protected area objective for drinking water (MCPA failure).
Aherlow	6	16_20	Tipperary Limerick	• Building on ongoing work by Inland Fisheries Ireland regarding a riparian management scheme. • Strong community groups. • Entire subcatchment project. • Headwaters of the river Aherlow. • Three waterbodies are failing to meet protected area objectives for Salmonids. • Five deteriorated waterbodies.
Clodiagh (Portlaw)	1	16_17	Waterford	• Headwaters of the Clodiagh (Portlaw). • The only waterbody in the subcatchment that is less than Good status. • Not meeting protected area objective for Freshwater Pearl Mussel habitat (19 of 27 catchments of S.I. 296 2009). • Potential pilot project in an area with a high number of derogation farms.
Johns	8	16_19	Waterford	• Longer term challenge. • Discharges into the Middle Suir Estuary which is a Nutrient Sensitive Area that is not meeting its protected area objective. • Upstream of estuary where locals have reported mussel die off. • Building on planned Drainage Area Plan for Waterford city. • Building on upcoming biodiversity audit that Waterford County Council are funding. • Active community group with an interest in invasive species.

8.2 Status Change in 2nd Cycle Areas for Action

- For Cycle 3, of the 26 waterbodies in the 2nd Cycle Areas for Action, there are two waterbodies at High Status (Aherlow_040 & Clodiagh (Portlaw)_010, two waterbodies at Good Status (Carrigavantry Lake & Lingaun_050), 10 waterbodies at Moderate Status, five waterbodies at Poor Status, and seven waterbodies where status has not been assigned.

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

[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

- Of the 19 waterbodies within the 2nd Cycle Areas for Action which had status assigned, 14 experienced no change in status between Cycle 2 and Cycle 3, four waterbodies (Aherlow_040, Clodiagh (Portlaw)_010 & Killenaule Stream_010 river waterbodies and Carrigavantry lake waterbody) experienced an improvement and one river waterbody (Borrisoleigh Stream_010) was subject to deterioration in status (Figure 22). The four waterbody improvements were across Aherlow, Clodiagh (Portlaw), Clashawley and Johns Areas for Action. The waterbody which experienced decline was in Borrisoleigh Area for Action.

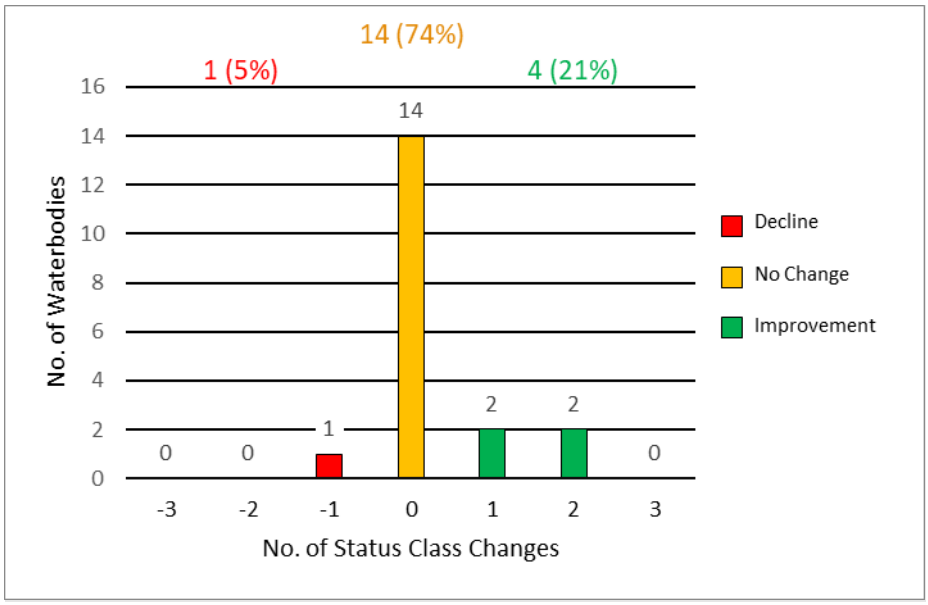


Figure 22: 2nd Cycle Area for Action Waterbody Status Class Changes between Cycle 2 and Cycle 3

8.3 Waterbody Risk in 2nd Cycle Areas for Action

- For the 26 waterbodies in the 2nd Cycle Areas for Action, 17 (65%) of these are currently *At Risk,* five (19%) are in *Review* and four (15%) are *Not At Risk*.

- For the 24 river waterbodies, 16 (67%) are *At Risk,* five (21%) are in *Review* and three (13%) are *Not At Risk.*

- There are two lake waterbodies in 2nd Cycle Areas for Action, Ballyscanlan is currently *At Risk* and Carrigavantry is *Not At Risk* in Cycle 3.

- 16 of the 17 *At Risk* waterbodies are river waterbodies. Figure 23 gives an overview of the breakdown of risk across waterbody types for both Cycle 2 and Cycle 3 in 2nd Cycle Areas for Action.

- Overall there is a decrease from 20 to 17 *At Risk* waterbodies in 2nd Cycle Areas for Action between Cycle 2 and Cycle 3. Aherlow_040, Clodiagh (Portlaw)_010 river waterbodies and Carrigavantry lake waterbody improved to *Not At Risk*.

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are in relation to the total number of waterbodies with status assigned in both cycles, as opposed to total number of all waterbodies.

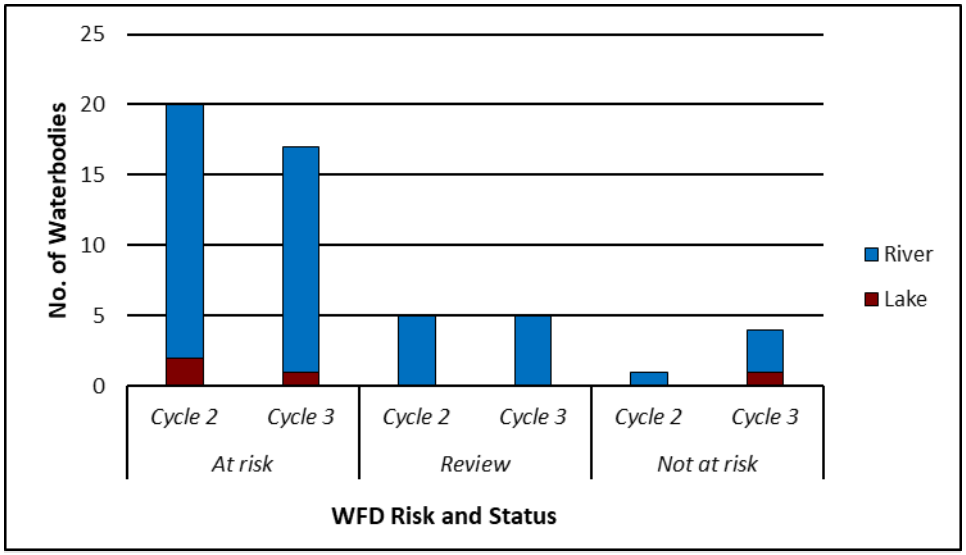
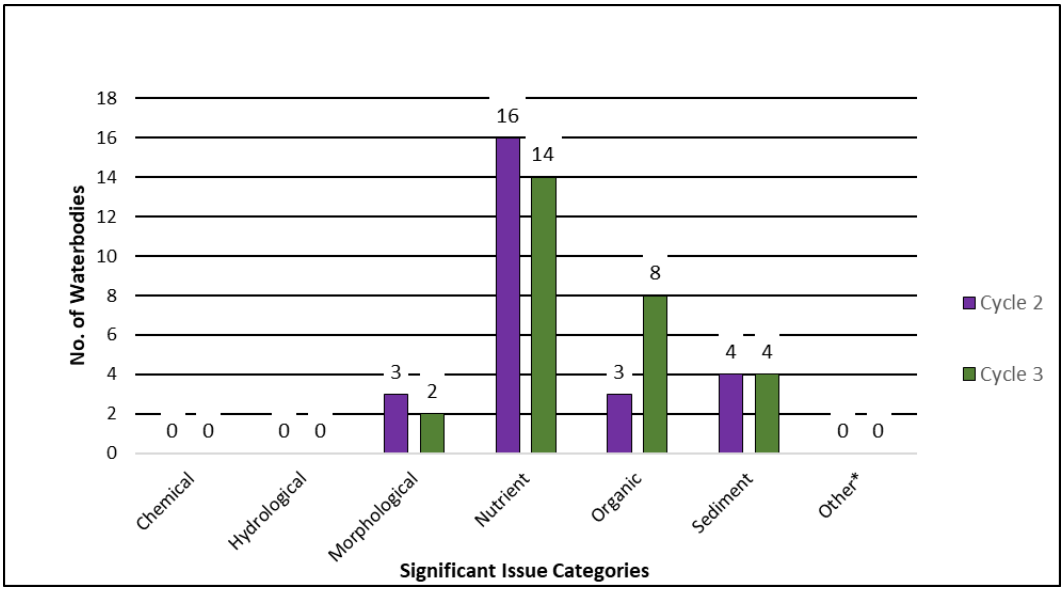


Figure 23: Number of waterbodies in each risk category in 2nd Cycle Areas for Action

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 14 waterbodies (Figure 24). This is followed by organic pollution which is impacting eight waterbodies, sediment impacting four waterbodies and morphological impacts, impacting two waterbodies.

- The number of 2nd Cycle Areas for Action waterbodies associated with nutrient and morphological significant issues have reduced from 16 to 14 and from three to two respectively, between Cycle 2 and Cycle 3. Sediment is still impacting four waterbodies and organic pollution is now impacting eight waterbodies, compared to three in Cycle 2.



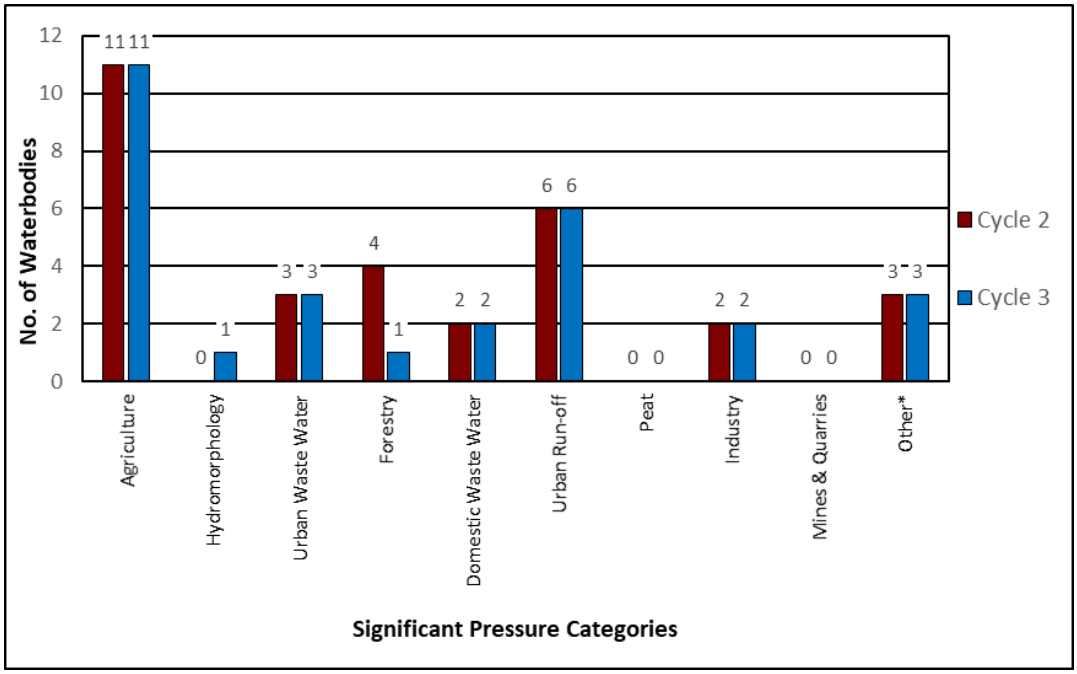
*Other - Acidification, saline intrusion, elevated temperature, litter, microbiological pollution and unknown impacts have all been grouped into the "Other" issues category for the purpose of this report

Figure 24: 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 - 11 waterbodies remain impacted in Cycle 3.
  - Urban Run-off – six waterbodies remain impacted in Cycle 3.
  - Urban Waste Water – three waterbodies (Lingaun_020, Borrisoleigh Stream_010 & Aherlow_020) remain impacted in Cycle 3.
  - Domestic Waste Water - two waterbodies (Ballintemple Stream_010 & Lingaun_020) remain impacted in Cycle 3.
  - Industry - two waterbodies (Ara_020 & Ara_030) remain impacted in Cycle 3.
  - Forestry – one waterbody (Rossadrehid Stream_010) impacted in Cycle 3, compared to four in Cycle 2.
  - Hydromorphology – one waterbody (Borrisoleigh Stream_010) now deemed to be impacted in cycle 3.
  - Other – In two waterbodies (Ara_010 & Ara_040) the significant pressure type is unknown. In addition, the Borrisoleigh Stream_010 is also impacted by Invasive species (plants).

- When comparing the significant pressures in the 2nd Cycle Areas for Action between Cycle 2 and Cycle 3 there has been no change in the number of waterbodies affected by each significant pressure category in the catchment with the exception of hydromorphological pressures (increased by one waterbody) and forestry pressures which decreased by three waterbodies.



*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 25: 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 27 Areas for Action, comprising of 120 waterbodies, recommended for further characterisation and action in the catchment for the 3rd Cycle River Basin Management Plan. 71 of the 120 waterbodies in the 3rd Cycle Recommended Areas for Action are *At Risk*, 17 are in *Review* and 32 are *Not At Risk*. The 26 Recommended Areas for Action consist of four Areas for Protection, 22 Areas for Restoration and one Catchment Project. LAWPRO are the proposed lead organisation in 19 Recommended Areas for Action and NFGWS are the proposed lead in five Recommended Areas for Action. Waterford County Council are the proposed lead for Glasha (Waterford) Recommended Area for Action and Tipperary County Council are the proposed lead for Suir - Multeen Area for Action. GSI, NFGWS and TCD are the proposed joint leads on the Durrow groundwater Recommended Area for Action. The Recommended Areas for Action in the catchment are listed in Table 8 and shown in Figure 26. The reason for selecting each waterbody in a Recommended Area for Action is provided in Appendix 3.

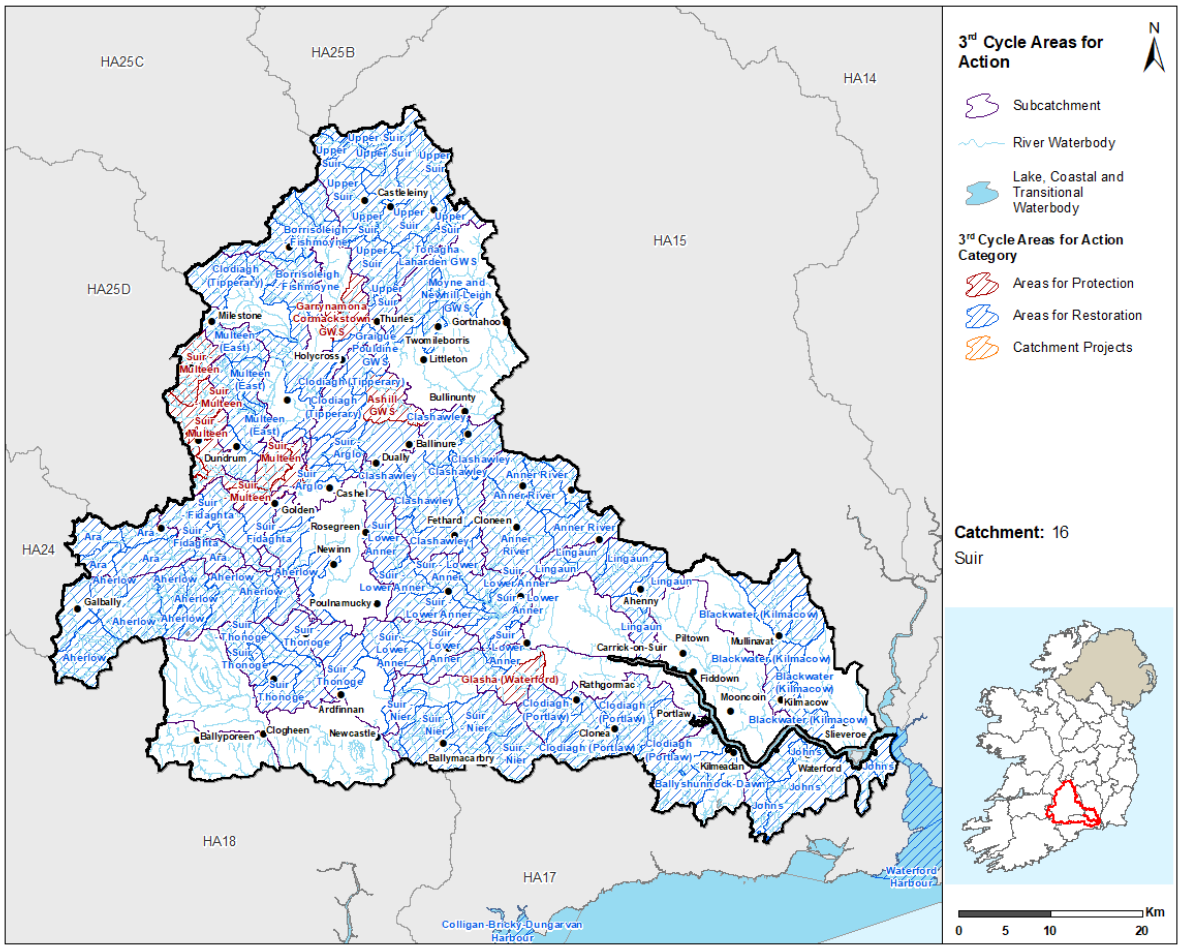


Figure 26: 3rd Cycle Recommended Areas for Action Locations

Table 8: 3rd Cycle Recommended Areas for Action Breakdown

3rd Cycle Recommended Area for Action	Number of Waterbodies	Recommended Area for Action Category	Recommended Area for Action Sub-category	Lead Organisation
Aherlow	10	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Anner River	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Suir - Lower Anner	9	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Ara	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Suir - Arglo	4	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Multeen (East)	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Upper Suir	13	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Blackwater (Kilmacow)	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Borrisoleigh - Fishmoyne	4	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Clashawley	7	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO

3rd Cycle Recommended Area for Action	Number of Waterbodies	Recommended Area for Action Category	Recommended Area for Action Sub-category	Lead Organisation
Johns	8	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Clodiagh (Tipperary)	6	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Clodiagh (Portlaw)	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Moyne & Newhill-Leigh GWS	1	Restoration	Public Health Areas for Restoration NFGWS, IW, HSE, LAs, SFPA	NFGWS
Tonagha Laharden GWS	1	Restoration	Public Health Areas for Restoration NFGWS, IW, HSE, LAs, SFPA	NFGWS
Ballyshunnock-Dawn	3	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Suir - Fidaghta	3	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Garrynamona Cormackstown GWS	1	Protection	Public Health Areas for Protection NFGWS, IW, HSE, LAs, SFPA	NFGWS
Glasha (Waterford)	1	Protection	Blue Dot Areas for Protection LAWPRO and Others	Waterford County Council
Lingaun	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Ashill GWS	1	Protection	Public Health Areas for Protection NFGWS, IW, HSE, LAs, SFPA	NFGWS
Suir - Multeen	6	Protection	LA Areas for Protection Local Authorities	Tipperary County Council
Suir - Nier	4	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Graigue Pouldine GWS	1	Restoration	Public Health Areas for Restoration NFGWS, IW, HSE, LAs, SFPA	NFGWS
Suir - Thonoge	5	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Waterford Harbour	1	Restoration	Prioritised Areas for Action LAWPRO	LAWPRO
Durrow Groundwater	1	Catchment Projects	Public Body Research	GSI and NFGWS and TCD

10 Catchment Summary

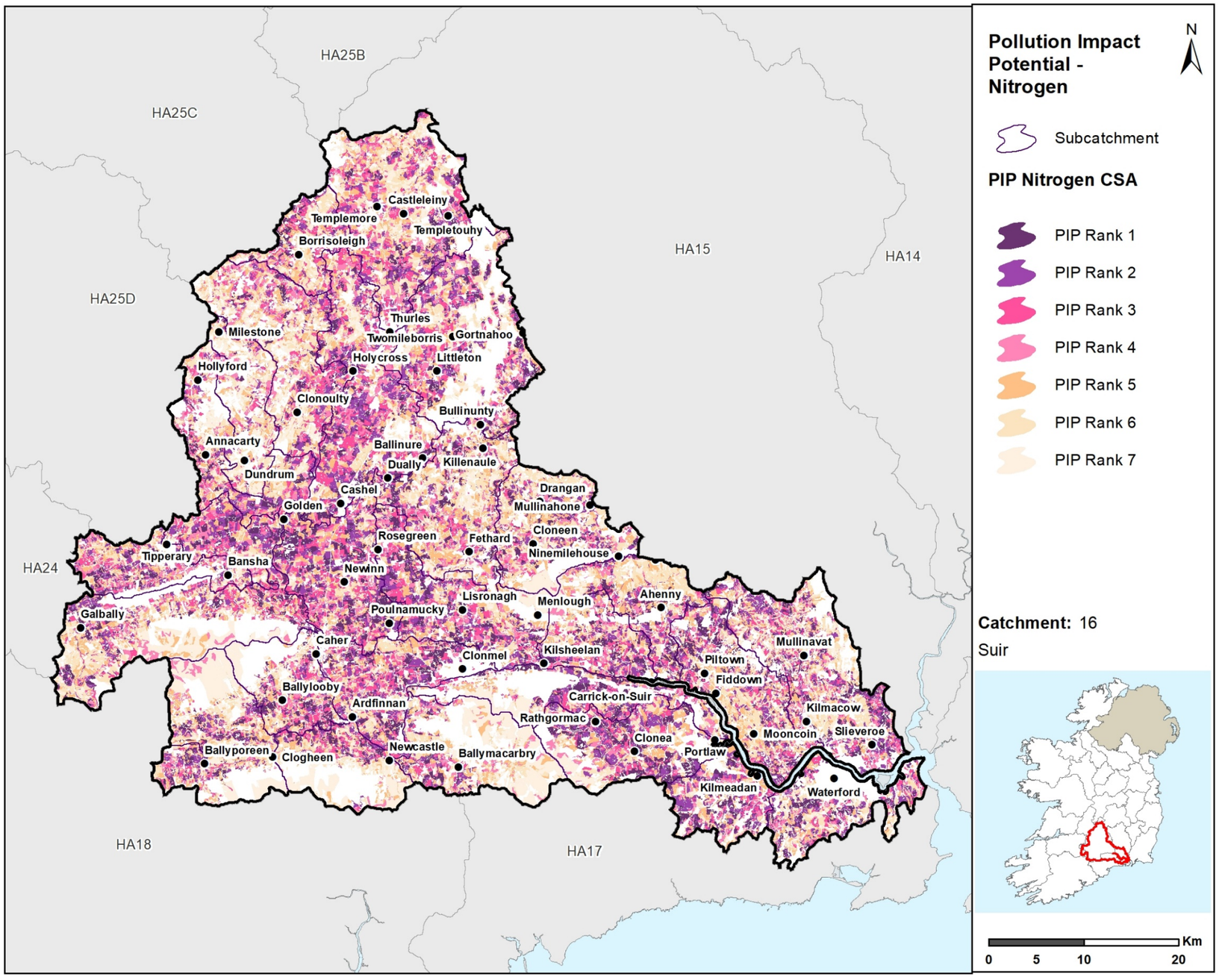
- Of the 168 river waterbodies, 89 are *At Risk* of not meeting their WFD objectives.
- Three out of seven lake waterbodies are *At Risk* of not meeting their WFD objectives.
- All four transitional waterbodies in the catchment are *At Risk* and are impacted by eutrophication. Agriculture is the significant pressure.
- There are 15 *At Risk* groundwater bodies out of 43 groundwater bodies.
- There has been an overall deterioration across the catchment with 111 waterbodies *At Risk* in Cycle 3 compared to 82 waterbodies *At Risk* in Cycle 2.
- The main significant issues are impacts from nutrient pollution, followed by organic pollution, sediment and morphological impacts.

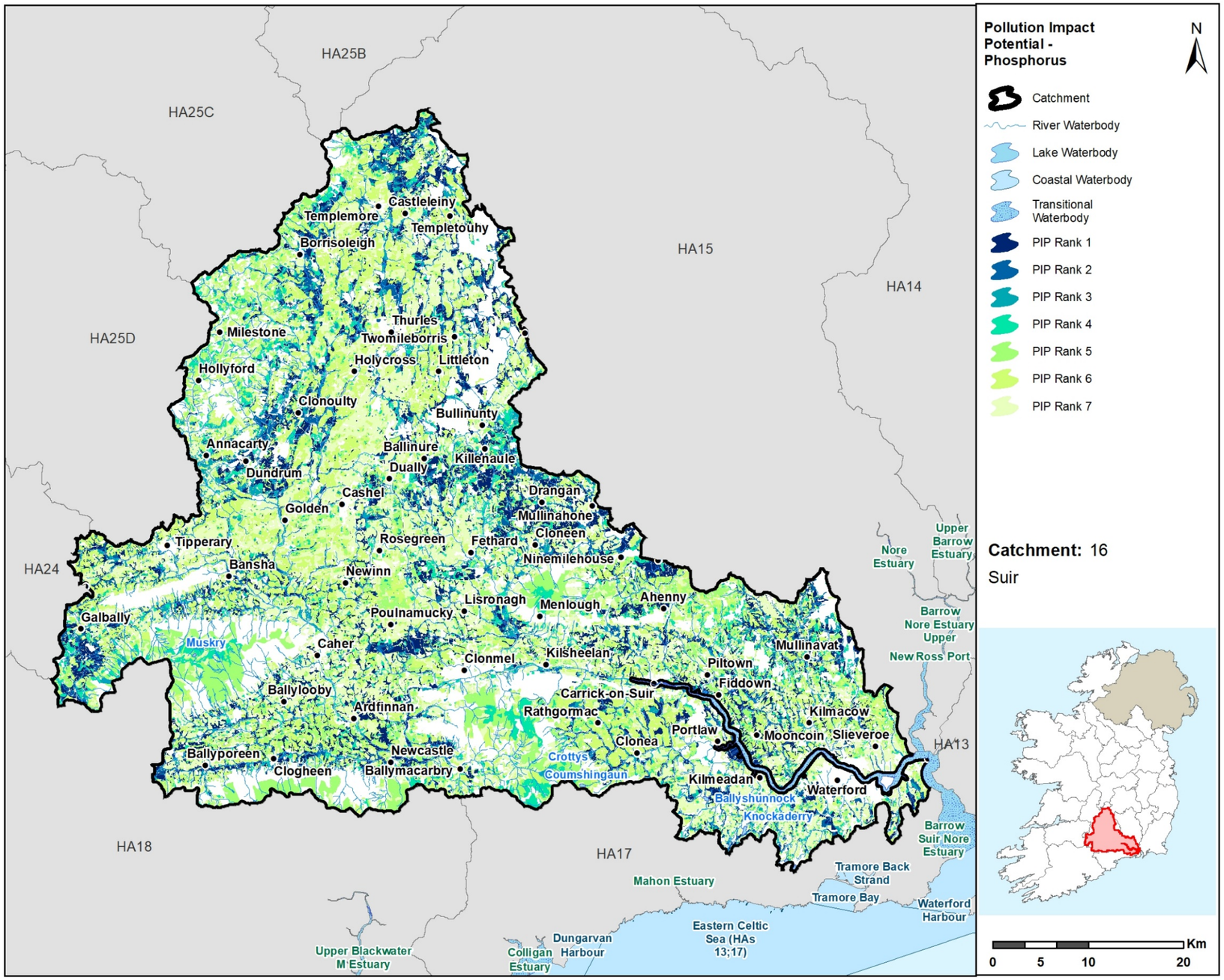
- The main significant pressures are agricultural pressures followed by forestry and hydromorphological pressures.
- The main impacts and pressures driving the change between Cycle 2 and Cycle 3 are increases in waterbodies impacted by nutrient pollution particularly from agricultural sources. There has also been a notable increase in organic and sediment issues. Between Cycle 2 and Cycle 3 there was an increase in the number of waterbodies in all significant pressure categories with the exception of peat and mines & quarries which remain the same.
- There was an overall improvement in the 2nd Cycle Areas for Action since Cycle 2. 20 waterbodies were *At Risk* in Cycle 2 and 17 waterbodies are *At Risk* in Cycle 3. These improvements have occurred in waterbodies where forestry was a significant pressure in Cycle 2 but are no longer a significant pressure in Cycle 3.
- There are 27 3rd Cycle Recommended Areas for Action for Cycle 3. They comprise of 120 waterbodies with 71 waterbodies *At Risk*, 17 in *Review* and 32 *Not At Risk*.

Appendix 1
High ecological status objective waterbodies

Waterbody Name	Waterbody Type	Waterbody Code	Status 2013-2018
AUGHNAGLANNY_010	**River**	IE_SE_16A050100	Moderate
BURNCOURT_020	**River**	IE_SE_16B040310	Good
CLODIAGH (TIPPERARY)_010	**River**	IE_SE_16C020040	Good
CLODIAGH (TIPPERARY)_020	**River**	IE_SE_16C020080	Moderate
GLASHA (WATERFORD)_010	**River**	IE_SE_16G010400	High
LINGAUN_010	**River**	IE_SE_16L010050	Moderate
NIER_010	**River**	IE_SE_16N010010	Moderate
NIER_020	**River**	IE_SE_16N010100	Moderate
TAR_010	**River**	IE_SE_16T010030	High

Appendix 2
Pollution Impact Potential Mapping




Pollution Impact Potential - Phosphorus
N
Catchment
River Waterbody
Lake Waterbody
Coastal Waterbody
Transitional Waterbody
PIP Rank 1
PIP Rank 2
PIP Rank 3
PIP Rank 4
PIP Rank 5
PIP Rank 6
PIP Rank 7
Catchment: 16
Suir
Km
0 5 10 20
HA25B
HA25C
HA25D
HA15
HA14
HA24
HA18
HA17
HA13
Castleleiny
Templemore
Templetouhy
Borrisoleigh
Thurles
Milestone
Twomileborris
Holycross
Littleton
Hollyford
Clonoulty
Bullinunty
Annacarty
Ballinure
Killenaule
Dually
Dundrum
Cashel
Drangan
Golden
Mullinahone
Cloneen
Tipperary
Rosegreen
Fethard
Ninemilehouse
Bansha
Newinn
Lisronagh
Menlough
Ahenny
Galbally
Poulnamucky
Muskry
Caher
Clonmel
Kilsheelan
Mullinavat
Piltown
Fiddown
Ballylooby
Carrick-on-Suir
Ardfinnan
Rathgormac
Kilmacow
Portlaw
Mooncoin
Slieveroe
Clonea
Ballyporeen
Newcastle
Clogheen
Ballymacarbry
Crottys
Coumshingaun
Kilmeadan
Waterford
Ballyshunnock
Knockaderry
Upper Barrow Estuary
Nore Estuary
Barrow Nore Estuary Upper
New Ross Port
Barrow Suir Nore Estuary
Tramore Back Strand
Mahon Estuary
Tramore Bay
Waterford Harbour
Eastern Celtic Sea (HAs 13;17)
Dungarvan Harbour
Colligan Estuary
Upper Blackwater M Estuary

Appendix 3
Summary information on all waterbodies in the Suir 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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_20	IE_SE_16A010080	AHERLOW_010	River	Not at risk	Not at risk	Good	Good	No		Aherlow	LAWPRO: Subcatchment of Existing PAA NFGWS: Proposed for protection of GW source
16_20	IE_SE_16A010200	AHERLOW_020	River	At risk	At risk	Moderate	Moderate	No	Ag, UWW	Aherlow	LAWPRO: Existing PAA
16_20	IE_SE_16A010300	AHERLOW_030	River	At risk	At risk	Moderate	Moderate	No	Ag	Aherlow	LAWPRO: Existing PAA
16_20	IE_SE_16A010500	AHERLOW_040	River	At risk	Not at risk	Moderate	High	No		Aherlow	LAWPRO: Existing PAA NPWS: SAC, White clawed crayfish
16_20	IE_SE_16A010600	AHERLOW_050	River	Review	Review	Unassigned	Unassigned	No		Aherlow	LAWPRO: Existing PAA NPWS: SAC, White clayed crayfish
16_20	IE_SE_16A010700	AHERLOW_060	River	Not at risk	At risk	Good	Moderate	No	Ag	Aherlow	LAWPRO: Subcatchment of Existing PAA NPWS: SAC, White clawed crayfish
16_20	IE_SE_16A010800	AHERLOW_070	River	Not at risk	Not at risk	Good	High	No		Aherlow	LAWPRO: Subcatchment of LAWPRO: Existing PAA NPWS: SAC, White clayed crayfish
16_20	IE_SE_16A010900	AHERLOW_080	River	At risk	At risk	Moderate	Moderate	No	Other	Aherlow	LAWPRO: Existing PAA NPWS: SAC, White clayed crayfish
16_24	IE_SE_16A020200	ANNER_010	River	At risk	At risk	Poor	Poor	No	Ag, UWW	Anner River	Tipperary CC: Proposed for LAWPRO
16_24	IE_SE_16A020340	ANNER_020	River	Review	At risk	Moderate	Poor	No	Ag	Anner River	Tipperary CC: Proposed for LAWPRO
16_24	IE_SE_16A020600	ANNER_030	River	At risk	At risk	Moderate	Moderate	No	Ag	Anner River	Tipperary CC: Proposed for LAWPRO NPWS: Lwr R Suir SAC White clawed crayfish
16_24	IE_SE_16A020800	ANNER_040	River	Review	Review	Good	Good	No		Anner River	Tipperary CC: Proposed for LAWPRO NPWS: Lwr R Suir SAC White clawed crayfish
16_23	IE_SE_16A020900	ANNER_050	River	Not at risk	At risk	Good	Moderate	No	Ag	Suir - Lower Anner	Tipperary CC: Proposed for LAWPRO NPWS: Lwr R Suir SAC White clawed crayfish LAWPRO: NFRM potential
16_23	IE_SE_16A021100	ANNER_060	River	Not at risk	Not at risk	Good	Good	No		Suir - Lower Anner	Tipperary CC: Proposed for LAWPRO NPWS: Lwr R Suir SAC White clawed crayfish
16_13	IE_SE_16A030100	ARA_010	River	At risk	At risk	Poor	Poor	No	Ag	Ara	LAWPRO: Existing PAA Tipp CC: Community project
16_13	IE_SE_16A030300	ARA_020	River	At risk	At risk	Poor	Poor	No	Ag, Ind, UR	Ara	LAWPRO: Existing PAA Tipp CC: Community project
16_13	IE_SE_16A030440	ARA_030	River	At risk	At risk	Moderate	Moderate	No	Ind, UR	Ara	LAWPRO: Existing PAA Tipp CC: Community project
16_13	IE_SE_16A030600	ARA_040	River	At risk	At risk	Moderate	Moderate	No	Other	Ara	LAWPRO: Existing PAA Tipp CC: Community project
16_10	IE_SE_16A040100	ARGLO_010	River	At risk	At risk	Moderate	Moderate	No	Other	Suir - Arglo	Extend Suir_080 subcatchment to include Arglo & Black stream
16_10	IE_SE_16A040200	ARGLO_020	River	At risk	Not at risk	Moderate	Good	No		Suir - Arglo	Extend Suir_080 subcatchment to include Arglo & Black stream
16_4	IE_SE_16A050100	AUGHNAGLANNY_010	River	Not at risk	At risk	High	Moderate	Yes	Ag, For	Multeen (East)	High status wb, At Risk, Not proposed EPA Headwaters

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_22	IE_SE_16A280760	AUGHALL_BEG_010	River	Review	Review	Unassigned	Unassigned	No		Upper Suir	In subcatchment with At Risk waterbodies NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton (3rd Cycle)
16_21	IE_SE_16B010100	BLACK (TWOMILEBORRIS)_010	River	At risk	At risk	Moderate	Moderate	No	Peat		
16_29	IE_SE_16B020080	BLACKWATER (KILMACOW)_010	River	Not at risk	Not at risk	Good	Good	No		Blackwater (Kilmacow)	IFI: Trib of Suir with excellent salmon habitat. Issues with weirs & abstractions
16_29	IE_SE_16B020091	BLACKWATER (KILMACOW)_020	River	Review	Review	Unassigned	Unassigned	No		Blackwater (Kilmacow)	IFI: Trib of Suir with excellent salmon habitat. Issues with weirs & abstractions
16_29	IE_SE_16B020300	BLACKWATER (KILMACOW)_030	River	Not at risk	At risk	Good	Moderate	No	Ag	Blackwater (Kilmacow)	IFI: Trib of Suir with excellent salmon habitat. Issues with weirs & abstractions
16_29	IE_SE_16B020450	BLACKWATER (KILMACOW)_040	River	Not at risk	At risk	Good	Moderate	No	Ag, DWW	Blackwater (Kilmacow)	IFI: Trib of Suir with excellent salmon habitat. Issues with weirs & abstractions
16_29	IE_SE_16B020500	BLACKWATER (KILMACOW)_050	River	Review	Review	Unassigned	Unassigned	No		Blackwater (Kilmacow)	IFI: Trib of Suir with excellent salmon habitat. Issues with weirs & abstractions
16_21	IE_SE_16B030200	BREAGAGH (TIPPERARY)_010	River	At risk	At risk	Unassigned	Unassigned	No	Peat		
16_21	IE_SE_16B030400	BREAGAGH (TIPPERARY)_020	River	Review	Review	Unassigned	Unassigned	No			
16_26	IE_SE_16B040100	BURNCOURT_010	River	Not at risk	Not at risk	Good	Good	No			
16_26	IE_SE_16B040310	BURNCOURT_020	River	Not at risk	At risk	High	Good	Yes	Ag		
16_10	IE_SE_16B050100	BLACK STREAM (CASHEL)_010	River	At risk	At risk	Poor	Poor	No	Ag	Suir - Arglo	Extend Suir_080 subcatchment to include Arglo & Black stream
16_5	IE_SE_16B060600	BORRISOLEIGH STREAM_010	River	At risk	At risk	Moderate	Poor	No	Ag, Hymo, Other, UR, UWW	Borrisoleigh - Fishmoyne	LAWPRO: Existing PAA
16_6	IE_SE_16B070800	BALLINTEMPLE STREAM_010	River	At risk	At risk	Moderate	Moderate	No	Ag, DWW	Clashawley	LAWPRO: Existing PAA EPA: Headwater
16_19	IE_SE_16B080100	Ballymoat (Stream)_010	River	Review	Review	Unassigned	Unassigned	No		Johns	LAWPRO: Existing PAA
16_23	IE_SE_16B090860	BALLYCLERIHAN STREAM_010	River	Review	At risk	Unassigned	Unassigned	No	UR	Suir - Lower Anner	Extend Lower Anner subcatchment to include Ballyclerihan stream & Moyle NPWS: Lower River Suir SAC Austropotamobius pallipes(White Claw Crayfish)
16_27	IE_SE_16B850830	BALLYTARSNEY_010	River	Review	Review	Unassigned	Unassigned	No			
16_6	IE_SE_16C010050	CLASHAWLEY_010	River	At risk	At risk	Moderate	Moderate	No	Ag	Clashawley	LAWPRO: Existing PAA EPA: Headwater
16_6	IE_SE_16C010400	CLASHAWLEY_020	River	Not at risk	At risk	Good	Moderate	No	Ag	Clashawley	LAWPRO: Subcatchment of Existing PAA LAWPRO: Potential for NFRM, local group active
16_6	IE_SE_16C010500	CLASHAWLEY_030	River	Not at risk	Not at risk	Good	Good	No		Clashawley	LAWPRO: Subcatchment of Existing PAA NPWS: SAC, White clayed crayfish

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_6	IE_SE_16C010600	CLASHAWLEY_040	River	Not at risk	Not at risk	Good	Good	No		Clashawley	LAWPRO: Subcatchment of Existing PAA NPWS: SAC, White clayed crayfish
16_28	IE_SE_16C020040	CLODIAGH (TIPPERARY)_010	River	At risk	At risk	Good	Good	Yes	For, Hymo	Clodiagh (Tipperary)	At Risk HSO WB - Not Proposed
16_28	IE_SE_16C020080	CLODIAGH (TIPPERARY)_020	River	At risk	Review	Good	Moderate	Yes		Clodiagh (Tipperary)	NPWS: Lwr R Suir SAC white clawed crayfish HSO WB At Risk
16_28	IE_SE_16C020200	CLODIAGH (TIPPERARY)_030	River	Not at risk	Review	Good	Good	No		Clodiagh (Tipperary)	NPWS: Lwr R Suir SAC white clawed crayfish
16_28	IE_SE_16C020600	CLODIAGH (TIPPERARY)_040	River	Not at risk	Not at risk	Good	Good	No		Clodiagh (Tipperary)	NPWS: Lwr R Suir SAC white clawed crayfish
16_17	IE_SE_16C030100	CLODIAGH (PORTLAW)_010	River	At risk	Not at risk	Moderate	High	No		Clodiagh (Portlaw)	LAWPRO: Existing PAA NPWS: SAC Pollution impacts & FPM
16_17	IE_SE_16C030200	CLODIAGH (PORTLAW)_020	River	Not at risk	Not at risk	Good	Good	No		Clodiagh (Portlaw)	Subcatchment of LAWPRO: Existing PAA NPWS: SAC White-Clawed Crayfish, Freshwater pearl mussel, Salmon. Point source pressures in Clonea
16_17	IE_SE_16C030300	CLODIAGH (PORTLAW)_030	River	Not at risk	At risk	Good	Moderate	No	Ag, Hymo, UWW	Clodiagh (Portlaw)	Subcatchment of LAWPRO: Existing PAA NPWS: SAC White-Clawed Crayfish, Freshwater pearl mussel, Salmon. Point source pressures in Clonea NFGWS: GW abstraction
16_17	IE_SE_16C030400	CLODIAGH (PORTLAW)_040	River	Not at risk	Not at risk	Good	Good	No		Clodiagh (Portlaw)	Subcatchment of LAWPRO: Existing PAA NPWS: SAC White-Clawed Crayfish, Freshwater pearl mussel, Salmon. Point source pressures in Clonea NFGWS: GW abstraction
16_17	IE_SE_16C030750	CLODIAGH (PORTLAW)_050	River	Not at risk	Not at risk	Good	Good	No		Clodiagh (Portlaw)	Subcatchment of LAWPRO: Existing PAA NPWS: SAC White-Clawed Crayfish, Freshwater pearl mussel, Salmon. Point source pressures in Clonea
16_21	IE_SE_16C040100	CLOVER_010	River	At risk	At risk	Poor	Poor	No	For, Ind		
16_21	IE_SE_16C040300	CLOVER_020	River	Not at risk	At risk	Good	Moderate	No	Ag		
16_22	IE_SE_16C111000	CLONMORE STREAM (SUIR)_010	River	At risk	At risk	Moderate	Moderate	No	Peat	Upper Suir	At Risk WB - Not Proposed
16_21	IE_SE_16D020040	DRISH_010	River	At risk	At risk	Poor	Poor	No	For		
16_21	IE_SE_16D020068	DRISH_020	River	At risk	At risk	Unassigned	Unassigned	No	Ag, For, Peat		
16_21	IE_SE_16D020070	DRISH_030	River	At risk	At risk	Poor	Poor	No	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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_21	IE_SE_16D020100	DRISH_040	River	At risk	At risk	Poor	Poor	No	M+Q, Peat		
16_21	IE_SE_16D020200	DRISH_050	River	At risk	At risk	Moderate	Poor	No	Ag, Peat	Moyne and Newhill-Leigh GWS	IFI: The Drish is a large tributary of the Suir, much of which is low-lying and with sections subject to deepening/widening and realignment. Large areas of Bord na Mona peatlands are located within this catchment also. We ask that the potential for habitat restoration might be looked at within this catchment. NFGWS: Group water scheme - groundwater source
16_21	IE_SE_16D020400	DRISH_060	River	At risk	At risk	Moderate	Moderate	No	Other	Tonagha Laharden GWS	IFI: The Drish is a large tributary of the Suir, much of which is low-lying and with sections subject to deepening/widening and realignment. Large areas of Bord na Mona peatlands are located within this catchment also. We ask that the potential for habitat restoration might be looked at within this catchment. NFGWS: Group water scheme - Ground water source
16_1	IE_SE_16D030100	DUAG_010	River	At risk	At risk	Moderate	Moderate	No	Ag		
16_1	IE_SE_16D030400	DUAG_020	River	Not at risk	At risk	Good	Moderate	No	Ag		
16_1	IE_SE_16D031100	DUAG_030	River	Not at risk	Not at risk	Good	Good	No			
16_7	IE_SE_16D040300	DAWN_010	River	At risk	Review	Unassigned	Unassigned	No		Ballyshunnock-Dawn	Waterford CC: Ballyshunnock in Dawn_010 proposed for LAWPRO
16_7	IE_SE_16D040500	DAWN_020	River	At risk	At risk	Unassigned	Unassigned	No	Ind	Ballyshunnock-Dawn	Waterford CC: Part of Dawn system EPA: Connects At Risk wb
16_7	IE_SE_16D290570	DARRIGAL_010	River	Review	Review	Unassigned	Unassigned	No			
16_22	IE_SE_16E170590	Eastwood_010	River	Review	Review	Unassigned	Unassigned	No		Upper Suir	In subcatchment with At Risk waterbodies EPA: headwaters
16_11	IE_SE_16F010100	FIDAGHTA_010	River	At risk	At risk	Poor	Poor	No	Ag, DWW	Suir - Fidaghta	Tipperary CC: Proposed for LAWPRO, Increased ag activity
16_11	IE_SE_16F010300	FIDAGHTA_020	River	At risk	At risk	Moderate	Poor	No	Ag, DWW	Suir - Fidaghta	Tipperary CC: Proposed for LAWPRO, Increased ag activity
16_2	IE_SE_16F020200	FARNEYBRIDGE_010	River	At risk	At risk	Poor	Poor	No	Hymo		
16_2	IE_SE_16F020500	FARNEYBRIDGE_020	River	At risk	At risk	Moderate	Poor	No	Ag, Hymo		
16_2	IE_SE_16F020600	FARNEYBRIDGE_030	River	Not at risk	Review	Good	Good	No		Garrynamona Cormackstown GWS	NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton (3rd Cycle) Garrynamona / Cormackstown GWS
16_2	IE_SE_16F020700	FARNEYBRIDGE_040	River	At risk	At risk	Poor	Moderate	No	Ag, Hymo		
16_5	IE_SE_16F030040	FISHMOYNE_010	River	At risk	At risk	Poor	Poor	No	Ag, For, Hymo	Borrisoleigh - Fishmoyne	LAWPRO: Subcatchment of Existing PAA, Expand PAA to include all wb at risk NFGWS: GW abstraction

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_5	IE_SE_16F030200	FISHMOYNE_020	River	At risk	At risk	Moderate	Moderate	No	Hymo	Borrisoleigh - Fishmoyne	LAWPRO: Subcatchment of Existing PAA, Expand PAA to include all wb at risk
16_5	IE_SE_16F030300	FISHMOYNE_030	River	At risk	At risk	Poor	Poor	No	Ag, Hymo	Borrisoleigh - Fishmoyne	LAWPRO: Subcatchment of Existing PAA, Expand PAA to include all wb at risk
16_19	IE_SE_16F150440	FAITHLEGG_010	River	Review	Review	Unassigned	Unassigned	No		Johns	LAWPRO: Existing PAA NPWS: Lwr R Suir SAC White clayed crayfish
16_27	IE_SE_16F170700	FLEMINGSTOWN (Kilkenny)_010	River	Review	Review	Unassigned	Unassigned	No			
16_28	IE_SE_16F200470	FANA_010	River	Review	Review	Unassigned	Unassigned	No			
16_16	IE_SE_16G010400	GLASHA (WATERFORD)_010	River	Not at risk	Not at risk	High	High	Yes		Glasha (Waterford)	LAWPRO proposed for HSO Protect NPWS: SAC
16_3	IE_SE_16G020200	GLENARY_010	River	Not at risk	Not at risk	Unassigned	Unassigned	No			
16_25	IE_SE_16G030200	GLENBOY_010	River	Not at risk	Not at risk	Good	Good	No			
16_12	IE_SE_16G040200	GLENBROOK_010	River	At risk	At risk	Unassigned	Unassigned	No	Ag, DWW		
16_25	IE_SE_16G050100	GLENGALLA_010	River	Not at risk	Not at risk	Good	Good	No			
16_19	IE_SE_16G770380	GLENGRANT_010	River	Review	Review	Unassigned	Unassigned	No		Johns	LAWPRO: Existing PAA NPWS: Lwr R Suir SAC White clayed crayfish
16_19	IE_SE_16H020300	HALFWAY HOUSE STREAM_010	River	At risk	At risk	Moderate	Moderate	No	UR	Johns	LAWPRO: Existing PAA NPWS: Lwr R Suir SAC White clayed crayfish
16_6	IE_SE_16K050200	KILLENAULE STREAM_010	River	At risk	At risk	Poor	Moderate	No	Ag	Clashawley	LAWPRO: Existing PAA
16_6	IE_SE_16K050300	KILLENAULE STREAM_020	River	Not at risk	Not at risk	Good	Good	No		Clashawley	LAWPRO: Subcatchment of Existing PAA
16_8	IE_SE_16K520950	KNOCKNAGREE_010	River	Review	Review	Unassigned	Unassigned	No			
16_15	IE_SE_16L010050	LINGAUN_010	River	Not at risk	At risk	High	Moderate	Yes	Ag, For	Lingaun	LAWPRO: Subcatchment of existing PAA, HSO WB At Risk
16_15	IE_SE_16L010200	LINGAUN_020	River	At risk	At risk	Moderate	Moderate	No	Ag, DWW, UWW	Lingaun	LAWPRO: Existing PAA NPWS: Lwr R Suir SAC white clawed crayfish
16_15	IE_SE_16L010300	LINGAUN_030	River	Not at risk	At risk	Good	Moderate	No	Ag, DWW	Lingaun	LAWPRO: Subcatchment of existing PAA NFGWS: GW abstraction source NPWS: Lwr R Suir SAC white clawed crayfish
16_15	IE_SE_16L010400	LINGAUN_040	River	Not at risk	Not at risk	Good	Good	No		Lingaun	LAWPRO: Subcatchment of existing PAA NPWS: Lwr R Suir SAC white clawed crayfish
16_15	IE_SE_16L010600	LINGAUN_050	River	Not at risk	Not at risk	Good	Good	No		Lingaun	LAWPRO: Existing PAA NPWS: Lwr R Suir SAC white clawed crayfish
16_10	IE_SE_16L230480	LISNAGONOGE_010	River	Review	Review	Unassigned	Unassigned	No		Ashill GWS	NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton (3rd Cycle)
16_29	IE_SE_16L680750	Luffany_010	River	Review	Review	Unassigned	Unassigned	No			
16_23	IE_SE_16M010050	MOYLE_010	River	At risk	At risk	Moderate	Poor	No	Ag, Hymo	Suir - Lower Anner	Extend Lower Anner subcatchment to include Ballyclerihan stream & Moyle
16_23	IE_SE_16M010200	MOYLE_020	River	At risk	At risk	Unassigned	Unassigned	No	Ag	Suir - Lower Anner	Extend Lower Anner subcatchment to include Ballyclerihan stream & Moyle

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_23	IE_SE_16M010400	MOYLE_030	River	At risk	At risk	Moderate	Poor	No	Ag	Suir - Lower Anner	Extend Lower Anner subcatchment to include Ballyclerihan stream & Moyle NPWS: Lower River Suir SAC Austropotamobius pallipes(White Claw Crayfish)
16_18	IE_SE_16M020600	MULTEEN_010	River	Not at risk	Not at risk	Good	Good	No		Suir - Multeen	Tipperary CC: Proposed for Protection NPWS: Lwr R Suir SAC White clawed crayfish
16_18	IE_SE_16M020780	MULTEEN_020	River	Not at risk	Not at risk	Good	Good	No		Suir - Multeen	Tipperary CC: Proposed for Protection NPWS: Lwr R Suir SAC White clawed crayfish
16_18	IE_SE_16M020900	MULTEEN_030	River	Not at risk	At risk	Good	Moderate	No	Ag	Suir - Multeen	Tipperary CC: Proposed for Protection
16_18	IE_SE_16M021000	MULTEEN_040	River	Not at risk	Not at risk	Good	Good	No		Suir - Multeen	Tipperary CC: Proposed for Protection NPWS: Lwr R Suir SAC White clawed crayfish
16_18	IE_SE_16M021100	MULTEEN_050	River	Not at risk	At risk	Good	Poor	No	Ag, Ind	Suir - Multeen	Tipperary CC: Proposed for Protection
16_4	IE_SE_16M080100	MULTEEN (EAST)_010	River	Not at risk	Not at risk	Good	Good	No		Multeen (East)	IW: EPA Pesticide Act and Watch List - Watch NPWS: Lower River Suir SAC white clawed crayfish Tipperary CC: Scope for a FPM rehabilitation project
16_4	IE_SE_16M080300	MULTEEN (EAST)_020	River	Review	Review	Good	Good	No		Multeen (East)	NPWS: Lower River Suir SAC white clawed crayfish Tipperary CC: Scope for a FPM rehabilitation project
16_4	IE_SE_16M080400	MULTEEN (EAST)_030	River	At risk	At risk	Moderate	Moderate	No	Ag, For	Multeen (East)	NPWS: Lower River Suir SAC white clawed crayfish Tipperary CC: Scope for a FPM rehabilitation project
16_4	IE_SE_16M080500	MULTEEN (EAST)_040	River	Not at risk	At risk	Good	Poor	No	Ag, Ind, Other	Multeen (East)	NPWS: Lower River Suir SAC white clawed crayfish Tipperary CC: Scope for a FPM rehabilitation project
16_24	IE_SE_16M090500	MULLINAHONE STREAM_010	River	At risk	At risk	Poor	Poor	No	UR, UWW	Anner River	EPA: Headwater
16_3	IE_SE_16N010010	NIER_010	River	At risk	At risk	Good	Moderate	Yes	Hymo	Suir - Nier	EPA: Headwaters HSO WB At Risk Include with Suir_170 subcatchment
16_3	IE_SE_16N010100	NIER_020	River	At risk	At risk	Good	Moderate	Yes	For	Suir - Nier	LAWPRO: Nire supplies ~30% of all brown trout to R Suir fishery, HSO WB At Risk NPWS: SAC River Suir Include with Suir_170 subcatchment
16_3	IE_SE_16N010400	NIER_030	River	Not at risk	Not at risk	Good	Good	No		Suir - Nier	NPWS: SAC River Suir Include with Suir_170 subcatchment
16_21	IE_SE_16N280780	North Glengoole_010	River	Review	Review	Unassigned	Unassigned	No			
16_9	IE_SE_16O010100	OUTERAGH STREAM_010	River	Review	Review	Unassigned	Unassigned	No			
16_9	IE_SE_16O010200	OUTERAGH STREAM_020	River	At risk	At risk	Moderate	Moderate	No	Ag		

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_28	IE_SE_16O020700	OWENBEG (TIPPERARY)_010	River	Not at risk	Not at risk	Good	Good	No			
16_27	IE_SE_16P010910	Pil_010	River	Review	Review	Unassigned	Unassigned	No			
16_29	IE_SE_16P020040	POLLANASSA_010	River	Not at risk	Not at risk	Good	Good	No			
16_29	IE_SE_16P020100	POLLANASSA_020	River	Not at risk	Not at risk	Good	Good	No			
16_29	IE_SE_16P020200	POLLANASSA_030	River	Not at risk	Not at risk	Unassigned	Unassigned	No			
16_29	IE_SE_16P020500	POLLANASSA_040	River	Not at risk	At risk	Good	Moderate	No	Ag, For		
16_28	IE_SE_16P260500	PIERCETOWN_010	River	Review	Review	Unassigned	Unassigned	No			
16_22	IE_SE_16R010040	ROSSESTOWN_010	River	At risk	At risk	Poor	Poor	No	M+Q, Peat	Upper Suir	EPA: Headwater
16_22	IE_SE_16R010150	ROSSESTOWN_020	River	At risk	At risk	Poor	Poor	No	Hymo, M+Q, Peat	Upper Suir	EPA: Connects waterbodies identified for restoration/ protection
16_22	IE_SE_16R010300	ROSSESTOWN_030	River	At risk	At risk	Poor	Poor	No	M+Q, Peat	Upper Suir	NFGWS: Group water scheme, groundwater source
16_9	IE_SE_16R020200	ROCKWELL STREAM_010	River	Review	Review	Unassigned	Unassigned	No			
16_9	IE_SE_16R020300	ROCKWELL STREAM_020	River	Review	Review	Unassigned	Unassigned	No			
16_20	IE_SE_16R060100	ROSSADREHID STREAM_010	River	At risk	At risk	Poor	Poor	No	For	Aherlow	LAWPRO: Existing PAA IW: Suspected Forestry impacts impacting on raw water, Regional drinking water supply
16_22	IE_SE_16R070860	ROSSNAMANNIFF LOWER 010	River	Review	Review	Unassigned	Unassigned	No		Upper Suir	In subcatchment with At Risk waterbodies
16_26	IE_SE_16S010400	SHANBALLY_010	River	Not at risk	Not at risk	Good	Good	No			
16_22	IE_SE_16S020100	SUIR_010	River	Not at risk	Not at risk	Good	Good	No		Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb
16_22	IE_SE_16S020200	SUIR_020	River	At risk	At risk	Poor	Moderate	No	Ag, Hymo	Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb
16_22	IE_SE_16S020300	SUIR_030	River	Review	At risk	Moderate	Moderate	No	Ag, UWW	Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb
16_22	IE_SE_16S020400	SUIR_040	River	Not at risk	Not at risk	Unassigned	Unassigned	No		Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb
16_22	IE_SE_16S020500	SUIR_050	River	Not at risk	Not at risk	Good	Good	No		Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton
16_22	IE_SE_16S020600	SUIR_060	River	At risk	At risk	Moderate	Moderate	No	Other	Upper Suir	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb
16_2, 16_21	IE_SE_16S020900	SUIR_070	River	Not at risk	At risk	Good	Moderate	No	Ag, UR, UWW	Graigue Pouldine GWS	Tipperary CC: Proposed for LAWPRO, All River Suir wb

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 Area for Action Name	Recommended Area for Action (reasons for selection)
											IFI: Proposed for restoration all R Suir wb NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton Graigue / Pouldine GWS
16_10, 16_2	IE_SE_16S021100	SUIR_080	River	Not at risk	At risk	Good	Moderate	No	Ag, DWW	Clodiagh (Tipperary)	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_10, 16_28	IE_SE_16S021300	SUIR_090	River	Not at risk	At risk	Good	Moderate	No	Ag, Hymo	Clodiagh (Tipperary)	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_10, 16_28	IE_SE_16S021400	SUIR_100	River	Not at risk	At risk	Good	Moderate	No	Ag	Suir - Arglo	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_10, 16_18	IE_SE_16S021500	SUIR_110	River	Not at risk	Not at risk	Good	Good	No		Suir - Multeen	Tipperary CC: Proposed for Protection, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_11, 16_9	IE_SE_16S021600	SUIR_120	River	Not at risk	Not at risk	Good	Good	No		Suir - Fidaghta	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_20, 16_9	IE_SE_16S021700	SUIR_130	River	Not at risk	At risk	Good	Moderate	No	Ag, For	Aherlow	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_14, 16_8	IE_SE_16S021930	SUIR_140	River	Not at risk	At risk	Good	Moderate	No	Ag, Ind	Suir - Thonoge	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_14, 16_8	IE_SE_16S022000	SUIR_150	River	Not at risk	At risk	Good	Moderate	No	Ag, UR	Suir - Thonoge	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_25, 16_8	IE_SE_16S022200	SUIR_160	River	Not at risk	Not at risk	Good	Good	No			
16_3, 16_8	IE_SE_16S022300	SUIR_170	River	Not at risk	Not at risk	Good	Good	No		Suir - Nier	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_16, 16_8	IE_SE_16S022400	SUIR_180	River	Not at risk	Not at risk	Good	Good	No		Suir - Lower Anner	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_16, 16_8	IE_SE_16S022600	SUIR_190	River	Not at risk	At risk	Good	Moderate	No	Ag, UR	Suir - Lower Anner	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_16, 16_23	IE_SE_16S022700	SUIR_200	River	Not at risk	At risk	Good	Moderate	No	Ag, For	Suir - Lower Anner	Tipperary CC: Proposed for LAWPRO, All River Suir wb IFI: Proposed for restoration all R Suir wb NPWS: Lwr R Suir SAC white clawed crayfish
16_12, 16_16	IE_SE_16S022750	SUIR_210	River	Not at risk	At risk	Good	Moderate	No	Ag		
16_12, 16_16	IE_SE_16S022850	SUIR_220	River	Not at risk	At risk	Good	Poor	No	Ag		
16_19	IE_SE_16S030400	ST JOHN'S_010	River	At risk	At risk	Poor	Unassigned	No	UR	Johns	Existing PAA
16_19	IE_SE_16S030600	ST JOHN'S_020	River	At risk	At risk	Poor	Poor	No	Ag, UR	Johns	Existing PAA
16_27	IE_SE_16S040450	SKELPSTOWN_010	River	Review	Review	Unassigned	Unassigned	No			
16_29	IE_SE_16S070500	SMARTSCASTLE STREAM_010	River	Not at risk	At risk	Good	Moderate	No	Ag		
16_29	IE_SE_16S070800	SMARTSCASTLE STREAM_020	River	At risk	At risk	Moderate	Moderate	No	Ag		
16_13	IE_SE_16S090570	Shroughnagowneen_010	River	Review	Review	Unassigned	Unassigned	No		Ara	LAWPRO: Existing PAA Tipp CC: Community project
16_10	IE_SE_16S410470	ST_PATRICKSROCK_010	River	Review	Review	Unassigned	Unassigned	No			
16_26	IE_SE_16T010030	TAR_010	River	Not at risk	Not at risk	High	High	Yes			
16_26	IE_SE_16T010300	TAR_020	River	Not at risk	Not at risk	Good	Good	No			
16_25	IE_SE_16T010600	TAR_030	River	Not at risk	Not at risk	Good	Good	No			
16_14	IE_SE_16T020010	THONOGE_010	River	Not at risk	At risk	Good	Moderate	No	DWW, For	Suir - Thonoge	EPA: Headwaters
16_14	IE_SE_16T020080	THONOGE_020	River	Not at risk	Not at risk	Good	Good	No		Suir - Thonoge	NFGWS: Group Water Scheme groundwater abstraction sources proposed for inclusion as an Area for Acton (3rd Cycle)
16_14	IE_SE_16T020200	THONOGE_030	River	Not at risk	Not at risk	Good	Good	No		Suir - Thonoge	EPA: Connects waterbodies identified for restoration/ protection
16_16	IE_SE_16T310740	TINHALLA_010	River	Review	Review	Unassigned	Unassigned	No			
16_27	IE_SE_16U010850	ULLID_010	River	Review	Review	Unassigned	Unassigned	No			
16_7	IE_SE_16W010400	WHELAN'S BRIDGE STREAM_010	River	At risk	At risk	Unassigned	Unassigned	No	Ag		
16_7	IE_SE_16_294	Knockaderry	Lake	At risk	At risk	Poor	Moderate	No	Ag		
16_17	IE_SE_16_314	Crottys	Lake	Not at risk	Not at risk	Unassigned	Unassigned	No			
16_19	IE_SE_16_460	Ballyscanlan	Lake	At risk	At risk	Moderate	Unassigned	No	Ag	Johns	LAWPRO: Existing PAA
16_7	IE_SE_16_463	Ballyshunnock	Lake	Review	At risk	Poor	Moderate	No	Ag, Other	Ballyshunnock-Dawn	Waterford CC: Water supply, impoundment LAWPRO: Fishery, active group managing fishery Lake wb in the middle of Dawn_010
16_20	IE_SE_16_465	Muskry	Lake	Not at risk	Not at risk	Unassigned	Unassigned	No			
16_17	IE_SE_16_466	Coumshingaun	Lake	Not at risk	Not at risk	Unassigned	Unassigned	No			
16_19	IE_SE_17_8	Carrigavantry	Lake	At risk	Not at risk	Moderate	Good	No		Johns	LAWPRO: Existing PAA
13_3, 14_19, 16_19, 17_2	IE_SE_100_0100	Barrow Suir Nore Estuary	Transitional	Not at risk	At risk	Good	Moderate	No	Ag	Waterford Harbour	Waterford CC: Multiple pressures, Major high profile local interest and complaints of mass die

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 Area for Action Name	Recommended Area for Action (reasons for selection)
											off of mussels, Backing of EPA licensing section Wexford CC proposed for prioritisation IFI: Research IFI Index catchment BIM: Shellfish PA, Norovirus impacts, concern re sodium hypochlorite use (point source), important inshore fisheries
14_19, 15_18, 16_19, 16_29	IE_SE_100_0500	Lower Suir Estuary (Little Island - Cheekpoint)	Transitional	At risk	At risk	Moderate	Good	No	Ag		
16_16, 16_17, 16_19, 16_27, 16_29, 16_7	IE_SE_100_0550	Middle Suir Estuary	Transitional	At risk	At risk	Poor	Poor	No	Ag		
16_12, 16_15, 16_16, 16_27	IE_SE_100_0600	Upper Suir Estuary	Transitional	At risk	At risk	Moderate	Poor	No	Ag		
14_11, 14_12, 14_17, 14_8, 15_10, 15_11, 15_12, 15_15, 15_19, 15_21, 15_3, 15_4, 15_5, 15_6, 15_7, 15_8, 16_21, 16_24, 16_6	IE_SE_G_009	Ballingarry	Groundwater	Review	Review	Good	Good	No			
16_11, 16_13, 16_20, 24_3	IE_SE_G_016	Bansha	Groundwater	At risk	At risk	Good	Good	No	Ag, Other		
14_7, 14_8, 15_11, 15_17, 15_19, 15_2, 15_20, 15_4, 16_24	IE_SE_G_021	Bennettsbridge	Groundwater	Review	Review	Good	Good	No			
16_14, 16_20, 16_26, 16_9	IE_SE_G_024	Cahir	Groundwater	Review	At risk	Good	Good	No	Ag, DWW, Other		
15_11, 15_2, 16_1, 16_12, 16_15, 16_16, 16_17, 16_19, 16_23, 16_24, 16_25, 16_27, 16_29, 16_3, 16_7, 16_8, 18_17	IE_SE_G_030	Carrick-on-Suir	Groundwater	At risk	At risk	Good	Good	No	Ag		

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 Area for Action Name	Recommended Area for Action (reasons for selection)
15_11, 15_15, 16_1, 16_10, 16_11, 16_12, 16_14, 16_15, 16_16, 16_17, 16_18, 16_20, 16_21, 16_23, 16_24, 16_25, 16_26, 16_27, 16_29, 16_3, 16_6, 16_7, 16_8, 16_9, 18_17	IE_SE_G_040	Clonmel	Groundwater	Review	Review	Good	Good	No			
16_16, 16_8	IE_SE_G_043	Industrial Facility (P0225-01)	Groundwater	At risk	At risk	Poor	Poor	No	Ind		
15_13, 15_14, 16_22	IE_SE_G_051	Donaghmore	Groundwater	Review	Not at risk	Good	Good	No			
16_19, 17_2	IE_SE_G_057	Dunmore East	Groundwater	Not at risk	Not at risk	Good	Good	No			
14_7, 15_17, 15_18, 15_20, 16_29	IE_SE_G_076	Inistioge	Groundwater	Review	Not at risk	Good	Good	No			
14_8, 15_11, 15_19, 15_4, 15_5, 15_6, 16_24	IE_SE_G_078	Kilkenny	Groundwater	At risk	At risk	Good	Good	No	Ag, Other		
15_11, 15_15, 16_10, 16_21, 16_24, 16_6	IE_SE_G_081	Killenaule	Groundwater	Not at risk	Review	Good	Good	No			
16_17, 16_3, 17_3, 17_4, 17_6, 18_15	IE_SE_G_085	Kilrion	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_14, 16_20, 16_26, 18_17, 18_22, 24_3	IE_SE_G_087	Knockaskallen	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_11, 16_13, 16_14, 16_20, 16_8, 16_9, 24_3	IE_SE_G_091	Lisvarrinane	Groundwater	Review	Review	Good	Good	No			
14_11, 14_15, 15_1, 15_10, 15_13, 15_14, 15_15, 15_16, 15_9, 16_21, 16_22, 25B_6	IE_SE_G_114	Rathdowney	Groundwater	Review	Review	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 Area for Action Name	Recommended Area for Action (reasons for selection)
15_10, 15_14, 15_15, 15_16, 16_21	IE_SE_G_119	Shanahoe	Groundwater	Review	Review	Good	Good	No			
15_11, 15_15, 15_5, 16_21, 16_6	IE_SE_G_126	Slieveardagh Hills	Groundwater	Review	Review	Good	Good	No			
15_13, 15_14, 15_15, 16_10, 16_11, 16_13, 16_18, 16_2, 16_20, 16_21, 16_22, 16_28, 16_4, 16_5, 16_6, 16_9, 24_12, 24_2, 24_3, 25B_6, 25C_4, 25C_5, 25D_2, 25D_5, 25D_7	IE_SE_G_131	Templemore	Groundwater	Review	Review	Good	Good	No			
14_7, 15_11, 15_17, 15_19, 15_2, 15_20, 16_15, 16_24, 16_29	IE_SE_G_135	Thomastown	Groundwater	At risk	At risk	Good	Good	No	Ag		
16_10, 16_11, 16_13, 16_18, 16_21, 16_28, 16_4, 24_2	IE_SE_G_145	Tipperary	Groundwater	Review	Review	Good	Good	No			
16_17, 16_19, 16_7, 17_1, 17_2, 17_3, 17_4	IE_SE_G_146	Tramore	Groundwater	At risk	At risk	Good	Good	No	Ag		
15_18, 16_17, 16_19, 16_27, 16_29, 16_7, 17_1, 17_2, 17_3	IE_SE_G_149	Waterford	Groundwater	Review	Review	Good	Good	No			
16_1, 16_16, 16_17, 16_25, 16_3, 16_7, 17_3, 17_4, 17_6, 18_15, 18_16, 18_17, 18_24	IE_SE_G_154	Comeragh	Groundwater	Not at risk	Review	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 Area for Action Name	Recommended Area for Action (reasons for selection)
15_18, 15_2, 15_20, 16_12, 16_15, 16_23, 16_24, 16_27, 16_29	IE_SE_G_155	Mullinavat	Groundwater	Not at risk	Not at risk	Good	Good	No			
14_11, 15_10, 15_15, 15_16, 15_21, 15_6, 15_7, 15_8, 16_21	IE_SE_G_156	Durrow	Groundwater	At risk	At risk	Good	Poor	No	Ag	Durrow Groundwater	GSI: The GWB has deteriorated in status due to the increasing groundwater nitrate concentrations exceeding the drinking water standard. Groundwater nitrate concentrations are increasing in the SE. So this type of deterioration may be observed in the furture. Deteriorated waterbody; drinking water impacts; GWB has deteriorated in status due to qualitative pressures. Build on existing programmes and community group initiatives. GSI are involved in research (together with NFGWS and TCD) into the pressures in GWS in this GWB A PAA status would allow this already existing work to be highlighted via the WFD process.
15_14, 15_15, 16_10, 16_2, 16_21, 16_22, 16_28	IE_SE_G_158	Thurles	Groundwater	Review	Not at risk	Good	Good	No			
14_7, 15_11, 15_17, 15_19, 15_2, 15_20, 16_24	IE_SE_G_159	Clifden South	Groundwater	Not at risk	Review	Good	Good	No			
15_11, 15_19, 15_2, 15_5, 15_6, 16_24	IE_SE_G_161	Clifden Northwest	Groundwater	Not at risk	Review	Good	Good	No			
16_19	IE_SE_G_175	Waste Facility (W0018-01)	Groundwater	At risk	At risk	Poor	Poor	No	Other		
16_19	IE_SE_G_176	Industrial Facility (P0157-02)	Groundwater	At risk	At risk	Poor	Poor	No	Ind		
16_19	IE_SE_G_179	Industrial Facility (P0385-01)	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_13, 16_20, 18_10, 18_13, 18_22, 24_11, 24_15, 24_2, 24_3, 24_6	IE_SH_G_055	Charleville	Groundwater	At risk	At risk	Good	Good	No	Ag		

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 Area for Action Name	Recommended Area for Action (reasons for selection)
16_13, 24_11, 24_12, 24_13, 24_15, 24_16, 24_17, 24_2, 24_3, 24_6, 24_8, 25D_2, 25D_7	IE_SH_G_107	Hospital	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_22, 16_28, 16_5, 25B_5, 25B_6, 25B_7, 25C_1, 25C_10, 25C_11, 25C_2, 25C_4, 25C_5, 25C_9, 25D_1, 25D_4, 25D_5, 25D_6	IE_SH_G_178	Nenagh	Groundwater	Review	Review	Good	Good	No			
16_13, 24_11, 24_15, 24_17, 24_2, 24_3, 24_6	IE_SH_G_193	North Kilmallock	Groundwater	At risk	At risk	Good	Good	No	Ag		
15_13, 16_22, 25A_11, 25A_12, 25B_1, 25B_3, 25B_6, 25B_7, 25C_2, 25C_4, 25C_9	IE_SH_G_205	Shinrone	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_11, 16_13, 16_18, 16_28, 16_4, 24_12, 25C_5, 25D_1, 25D_2, 25D_4, 25D_5, 25D_6, 25D_7, 25D_8, 25D_9	IE_SH_G_213	Slieve Phelim	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_20, 16_26, 18_10, 18_13, 18_17, 18_20, 18_22, 24_11, 24_3	IE_SW_G_010	Ballyhoura	Groundwater	Not at risk	Not at risk	Good	Good	No			
16_26, 18_10, 18_13, 18_17,	IE_SW_G_011	Ballyhoura Kiltorcan	Groundwater	At risk	At risk	Good	Good	No	Ag, For		

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 Area for Action Name	Recommended Area for Action (reasons for selection)
18_20, 18_22, 24_11											
16_1, 17_6, 18_15, 18_16, 18_17, 18_22, 18_24, 18_28, 18_5	IE_SW_G_025	Cappoquin Kiltorcan	Groundwater	At risk	At risk	Good	Good	No	Ag, Other		
16_1, 16_25, 16_3, 17_6, 18_15, 18_16, 18_17, 18_24, 18_28	IE_SW_G_047	Knockmealdown	Groundwater	Review	Review	Good	Good	No			
16_1, 16_26, 18_10, 18_13, 18_14, 18_16, 18_17, 18_2, 18_20, 18_21, 18_22, 18_23, 18_26, 18_28, 18_5, 24_15	IE_SW_G_082	Mitchelstown	Groundwater	At risk	At risk	Good	Poor	No	Ag, For, Other		

Ag: Agriculture

DWW: Domestic Waste Water

For: Forestry

Hymo: Hydromorphology

Ind: Industry

M+Q: Mines and Quarries

Peat: Peat Drainage and Extraction

UR: Urban Run-off

UWW: Urban Waste Water

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