

Interim Report on the Biological Survey of River Quality

Results of the 2012 Investigations



ENVIRONMENTAL PROTECTION AGENCY

The Environmental Protection Agency (EPA) is responsible for protecting and improving the environment as a valuable asset for the people of Ireland. We are committed to protecting people and the environment from the harmful effects of radiation and pollution.

The work of the EPA can be divided into three main areas:

Regulation: *We implement effective regulation and environmental compliance systems to deliver good environmental outcomes and target those who don't comply.*

Knowledge: *We provide high quality, targeted and timely environmental data, information and assessment to inform decision making at all levels.*

Advocacy: *We work with others to advocate for a clean, productive and well protected environment and for sustainable environmental behaviour.*

Our Responsibilities

Licensing

We regulate the following activities so that they do not endanger human health or harm the environment:

- waste facilities (*e.g. landfills, incinerators, waste transfer stations*);
- large scale industrial activities (*e.g. pharmaceutical, cement manufacturing, power plants*);
- intensive agriculture (*e.g. pigs, poultry*);
- the contained use and controlled release of Genetically Modified Organisms (*GMOs*);
- sources of ionising radiation (*e.g. x-ray and radiotherapy equipment, industrial sources*);
- large petrol storage facilities;
- waste water discharges;
- dumping at sea activities.

National Environmental Enforcement

- Conducting an annual programme of audits and inspections of EPA licensed facilities.
- Overseeing local authorities' environmental protection responsibilities.
- Supervising the supply of drinking water by public water suppliers.
- Working with local authorities and other agencies to tackle environmental crime by co-ordinating a national enforcement network, targeting offenders and overseeing remediation.
- Enforcing Regulations such as Waste Electrical and Electronic Equipment (WEEE), Restriction of Hazardous Substances (RoHS) and substances that deplete the ozone layer.
- Prosecuting those who flout environmental law and damage the environment.

Water Management

- Monitoring and reporting on the quality of rivers, lakes, transitional and coastal waters of Ireland and groundwaters; measuring water levels and river flows.
- National coordination and oversight of the Water Framework Directive.
- Monitoring and reporting on Bathing Water Quality.

Monitoring, Analysing and Reporting on the Environment

- Monitoring air quality and implementing the EU Clean Air for Europe (CAFÉ) Directive.
- Independent reporting to inform decision making by national and local government (*e.g. periodic reporting on the State of Ireland's Environment and Indicator Reports*).

Regulating Ireland's Greenhouse Gas Emissions

- Preparing Ireland's greenhouse gas inventories and projections.
- Implementing the Emissions Trading Directive, for over 100 of the largest producers of carbon dioxide in Ireland.

Environmental Research and Development

- Funding environmental research to identify pressures, inform policy and provide solutions in the areas of climate, water and sustainability.

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- Assessing the impact of proposed plans and programmes on the Irish environment (*e.g. major development plans*).

Radiological Protection

- Monitoring radiation levels, assessing exposure of people in Ireland to ionising radiation.
- Assisting in developing national plans for emergencies arising from nuclear accidents.
- Monitoring developments abroad relating to nuclear installations and radiological safety.
- Providing, or overseeing the provision of, specialist radiation protection services.

Guidance, Accessible Information and Education

- Providing advice and guidance to industry and the public on environmental and radiological protection topics.
- Providing timely and easily accessible environmental information to encourage public participation in environmental decision-making (*e.g. My Local Environment, Radon Maps*).
- Advising Government on matters relating to radiological safety and emergency response.
- Developing a National Hazardous Waste Management Plan to prevent and manage hazardous waste.

Awareness Raising and Behavioural Change

- Generating greater environmental awareness and influencing positive behavioural change by supporting businesses, communities and householders to become more resource efficient.
- Promoting radon testing in homes and workplaces and encouraging remediation where necessary.

Management and structure of the EPA

The EPA is managed by a full time Board, consisting of a Director General and five Directors. The work is carried out across five Offices:

- Office of Environmental Sustainability
- Office of Environmental Enforcement
- Office of Evidence and Assessment
- Office of Radiological Protection
- Office of Communications and Corporate Services

The EPA is assisted by an Advisory Committee of twelve members who meet regularly to discuss issues of concern and provide advice to the Board.



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Results of the 2012 Macroinvertebrate Investigations

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Cover photo courtesy of Martin McGarrigle: Port Stream, Bridge South of Port, Co. Donegal

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Published by the Environmental Protection Agency, Ireland
2013

ISBN: 978-1-84095-501-9

01/13/Web

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INTRODUCTION

The various uses of rivers inevitably involve conflicting interests and often such uses disrupt river ecology. The fact that several of the more important beneficial uses of rivers (e.g. abstraction, amenity, waste disposal) are dependent on biological processes is rarely appreciated: if the self-purification process, for example, is disrupted (e.g. by pollution, drainage or over-abstraction) some or all beneficial uses may be impaired or lost. It is important, therefore, to keep ecological disruption to a minimum and to maintain the aquatic ecosystem in a healthy, functional condition. Progress towards this goal can be monitored by chemical or biological means or, preferably, by a combination of both. In general it could be said that whilst physico-chemical analysis may measure the *causes* of pollution (i.e. the pollutants) biological analysis is the only means whereby the ecological *effects* of pollution can be measured.

The most commonly encountered forms of pollution in this country are eutrophication and organic pollution; less frequently encountered are non-organic types such as toxic pollution (e.g. by sheep dip or industrial chemicals), siltation (e.g. arising from over-grazing, drainage, quarrying or stone-cutting operations) and, in recent years, acidification in sensitive afforested areas. The term eutrophication is used to describe the abnormal production of plants of all kinds (micro- and macroscopic) in surface waters affected by excessive inputs of the plant nutrients nitrogen and phosphorus. Such inputs arise a) by the leaching or overland runoff from agricultural lands of inorganic nitrogen and phosphorus and b) by the breakdown of organic matter such as sewage, food-processing or other industrial wastes or land-spread of animal manure slurries. Eutrophication of surface waters may be also encountered in areas where land is

disturbed for peat harvesting or forestry purposes. Organic pollution is a term used to describe the oxygen depleting effects caused by the breakdown of organic wastes (e.g. sewage) in receiving waters. This biodegradation or self-purification process, as it is called, is dependent, initially at least, on aerobic micro-organisms which reduce the organic material to its constituent elements and in the process consume oxygen. In the presence of organic matter, therefore, ambient dissolved oxygen (DO) levels fall whilst the biochemical oxygen demand (BOD) - a measurement of the rate of oxygen usage by aerobic micro-organisms - rises; this process also leads to eutrophication due to the release of compounds of nitrogen and phosphorus.

The measurement of the ambient concentrations of such parameters, therefore, gives a good indication of the condition of the water as regards contamination by organic waste. Traditionally, this type of waste has mostly originated at 'point-source' discharges (sewage, industrial wastes), but in recent years an ever increasing proportion arises from 'diffuse' agricultural sources, i.e., runoff from land of wastes from intensive animal-rearing operations, the development of which in the past 30 years has been accompanied by a very marked increase in the extent of eutrophication.

All types of pollution cause physico-chemical and biological changes in receiving waters and so the assessment of water quality/pollution may be approached from the chemical or the biological aspect. In practice, a combination of both approaches is preferable to either on its own.

National surveys of Irish rivers have been carried out on a continuous basis since 1971 when 2,900 km of river channel was first surveyed. The surveys presently combine general chemical and biological

assessments with some 13,200 km of river channel surveyed over each three year cycle (Clabby *et al.*, 2008, Toner *et al.*, 2005).

The Water Framework Directive (WFD), establishing a framework for European Union (EU) community action in the field of water policy, was adopted by the EU in October 2000 (2000/60/EC). The directive provides a new approach for the protection and improvement of water resources and aquatic ecosystems and aims to protect and enhance all waters (ground-waters, surface waters, transitional and coastal waters, water dependent ecosystems and wetlands). It aims to achieve these objectives through a process of river basin management planning supported by status assessments derived from these new monitoring programmes.

As part of the WFD implementation process, the Environmental Protection Agency (EPA) was required to develop new monitoring programmes for surface (rivers and lakes), ground-waters, estuarine and coastal waters. The monitoring programmes became operational in December 2006 (EPA, 2006) and in 2007 the new Water Framework Directive Rivers Monitoring Programme replaced the national river monitoring programme.

The EPA is responsible for carrying out the WFD monitoring of the biological elements (including the surveying and assessment of aquatic macroinvertebrates and aquatic plants and algae) in order to establish ecological status. The EPA is also responsible where appropriate for the hydromorphological assessment of the rivers network. The Local Authorities are responsible for the physico-chemical and chemical monitoring with several of the EPA Regional Laboratories also undertaking monitoring functions.

The EPA Quality Rating System (Q-Value) has been employed to determine the quality status of the macroinvertebrate communities at river sites across the country since the 1970s. This system was tested and intercalibrated at European level (2008/915/EC) and was adopted as the official macroinvertebrate classification system for assessing rivers in the Republic of Ireland (Statutory Instrument No. 272 of 2009). The River Hydromorphological Assessment Technique (RHAT) is applied to assess hydromorphology and to differentiate between high and good ecological status sites.

The Q-Value System is based on the well-established sensitivities, abundance and diversity of macroinvertebrates and their relation to water quality. The system is effectively a proprietary expert system.

The EPA recommends employing a risk score approach using the Small Streams Risk Score (SSRS) for investigative monitoring. This is a rapid biological method that reliably assesses sites that are at risk of failing to meet good status based on the macroinvertebrate community. The SSRS was developed by the Western River Basin District in conjunction with the EPA and has proved useful in undertaking further characterisation of risk for the WFD Article 5 Characterisation Report. The method produces a continuous score and threshold values are used to decide on the degree of risk at a site. It is possible to compare 'before' and 'after' scores, which may be useful in assessing the potential impact of a development. The SSRS system has a recognised training course and operators must pass a quality assurance check by submitting samples for quality control purposes.

Biological Assessment

In the presence of pollution, characteristic and well-documented changes are induced in the flora and fauna of rivers and

streams. Particularly well-documented are the changes brought about by organic pollution in the macroinvertebrate community, i.e., the immature aquatic stages of aerial insects (mayflies, stoneflies etc.) together with Crustacea (e.g. shrimps), Mollusca (e.g. snails and bivalves), Oligochaeta (worms) and Hirudinea (leeches). The changes that occur are due to the varying sensitivities of the different components of the community to the stresses caused by pollution. It is known that similar organisms inhabit similar habitats and that the most sensitive species inhabit the riffle areas. It is also well known that community diversity declines in the presence of pollution and that sensitive species are progressively replaced by more tolerant forms as pollution increases. Ideally, all the components of the aquatic biota (the micro- and macro-fauna and flora) should be utilised. Under the WFD monitoring programme aquatic flora including macrophytes, macroalgae and benthic algae (phytobenthos) (surveillance sites only) are surveyed. For the purposes of this report, only the macroinvertebrate Q value results are presented however the river assessments may mention the condition of the flora.

In contrast to physico-chemical surveys which extend throughout the year, biological macroinvertebrate surveys are usually undertaken in the summer-autumn period (June-September) when flows are likely to be relatively low. Surveys during this period are likely therefore, to coincide with the worst conditions to be expected in those reaches affected by waste inputs.

Biological material for examination is obtained by kick-sampling with a standard pond net in the shallower, faster-flowing areas (riffles) and the assessment of water quality is made on site. The relative proportion of the various macroinvertebrate organisms in the sample

is determined. Water quality is inferred by a comparison of this data with that which might be expected from unpolluted habitats of the type under investigation.

Relationships between water quality and macroinvertebrate community structure are usually described by means of a numerical scale of values. Such a compression of biological information inevitably results in a loss of meaningful information but some such procedure is essential if this information is to be meaningful to non-biologists. The EPA scheme of Biotic Indices or Quality (Q) Value (Toner *et al.*, 2005) and its relationship to water quality is set out in Table 1.

The intermediate values (Q1-2, 2-3, 3-4 etc.) denote transitional conditions. The scheme mainly reflects the effects of organic pollution (i.e. deoxygenation and eutrophication) but where a toxic effect is apparent or suspected the suffix '0' is added to the biotic index (e.g. Q1/0, 2/0 or 3/0). An asterisk after the Q value (e.g. Q3*) indicates something worthy of special attention, typically heavy siltation of the substratum.

Class A waters are those in which problems relating to existing or potential beneficial uses are unlikely to arise and are, therefore, regarded as being in a 'satisfactory' condition. These waters are classified as high or good under the Water Framework Directive status classification (Table 1).

Classes B, C and D reflect increasing levels of pollution and ecological impairment, and are consequently regarded as 'unsatisfactory' to a lesser or greater degree and would therefore fail under the WFD classification.

Class B (slightly polluted) waters are mainly characterised by eutrophication and frequently also by some deposition of silt

on the substratum; eutrophication is the artificial over-enrichment of waters by phosphorus and/or nitrogen which in rivers may cause excessive growths of rooted plants and filamentous algae. The respiration of these plants may be sufficient to deplete dissolved oxygen (DO) to such a degree that game fish, especially the young stages, may be killed in extreme circumstances. DO levels can drop significantly at night when photosynthetic activity has ceased.

Class C (moderately polluted) waters are typically extremely eutrophic and frequently impacted by other influences such as organic pollution (for example in recovery zones below sewage discharges). They may be subject to other influences such as siltation (due to drainage activities), the toxic effects of mining or forestry-induced acidification in sensitive upland areas.

Class D (seriously polluted) waters are typically characterised by very high concentrations of biodegradable organic waste causing deoxygenation and the growth of unsightly bacterial and fungal slimes ('sewage fungus' or 'bacterial tufts'). In extreme cases the substratum may be blanketed with deposits of malodorous anaerobic sludge. Only the most tolerant invertebrates (e.g. sludge worms) are to be found in such conditions, and virtually all beneficial uses are lost. Where serious toxicity occurs (e.g. due to mining or other sources of toxic spillages or discharges) virtually all aquatic life may be extinguished.

From 2007 onwards a five-class quality system will replace the current four-class system. The new class was created by dividing the existing Class A (unpolluted) category into two new classes – High Status and Good Status waters – in compliance with the WFD classification requirements. These have already been

intercalibrated at European level for a range of biological quality elements to ensure comparability between Irish river status assessments and those of other countries.

Other relevant factors such as the intensity of algal and/or weed development, presence of slime growths, water turbidity, siltation, degree of shading, conductivity, dissolved oxygen and water temperature, are also recorded in the assessment procedure.

The EPA National Biological Rivers programme is part of the WFD monitoring programme and is carried out over a three year cycle. A total of 1026 survey visits were carried out on 501 rivers and streams in 2012. A total of 12 hydrometric areas were surveyed in full while six hydrometric areas were partially surveyed.

The 2012 Interim Biological (aquatic macroinvertebrate) results are presented in Hydrometric Order. The Summary statistics are shown at the end of each Hydrometric Area for the 2010 – 2012 survey period. If a site exhibited serious pollution and improved during the three year cycle period the summary statistics only show the final status. Details of the estimated channel length (km) within each quality class for each river surveyed are presented in tabular form. Trend data detailing the percentage of channel length within each of the four original quality classes (Classes A - D) for past and current cycles are shown. A chart is also presented for the current (2010 – 2012) and previous survey cycle detailing the percentage of channel length for each Hydrometric Area currently classified under the five WFD quality status classes.

Additional information detailing the upstream catchment characteristics including the Corine land use information

are also presented for each station where available. The additional survey results for 2012 are also presented, including Investigative surveys, Exchange of Information surveys and Seriously Polluted site surveys. The Enforcement of Seriously Polluted River Stations Programme commenced in 2007. Any site deemed to be seriously polluted (i.e. Q2-Q1) upon survey, will warrant annual biological surveys and further investigation by the EPA Office of Environmental Enforcement until such time when the condition improves. Once the station improves surveys return to the normal three year survey cycle at the site.

The River Interim Biological Results are also illustrated on the EPA ENVISION maps (www.epa.ie) and the individual River Reports are available at www.epa.ie/QValue/webusers/.

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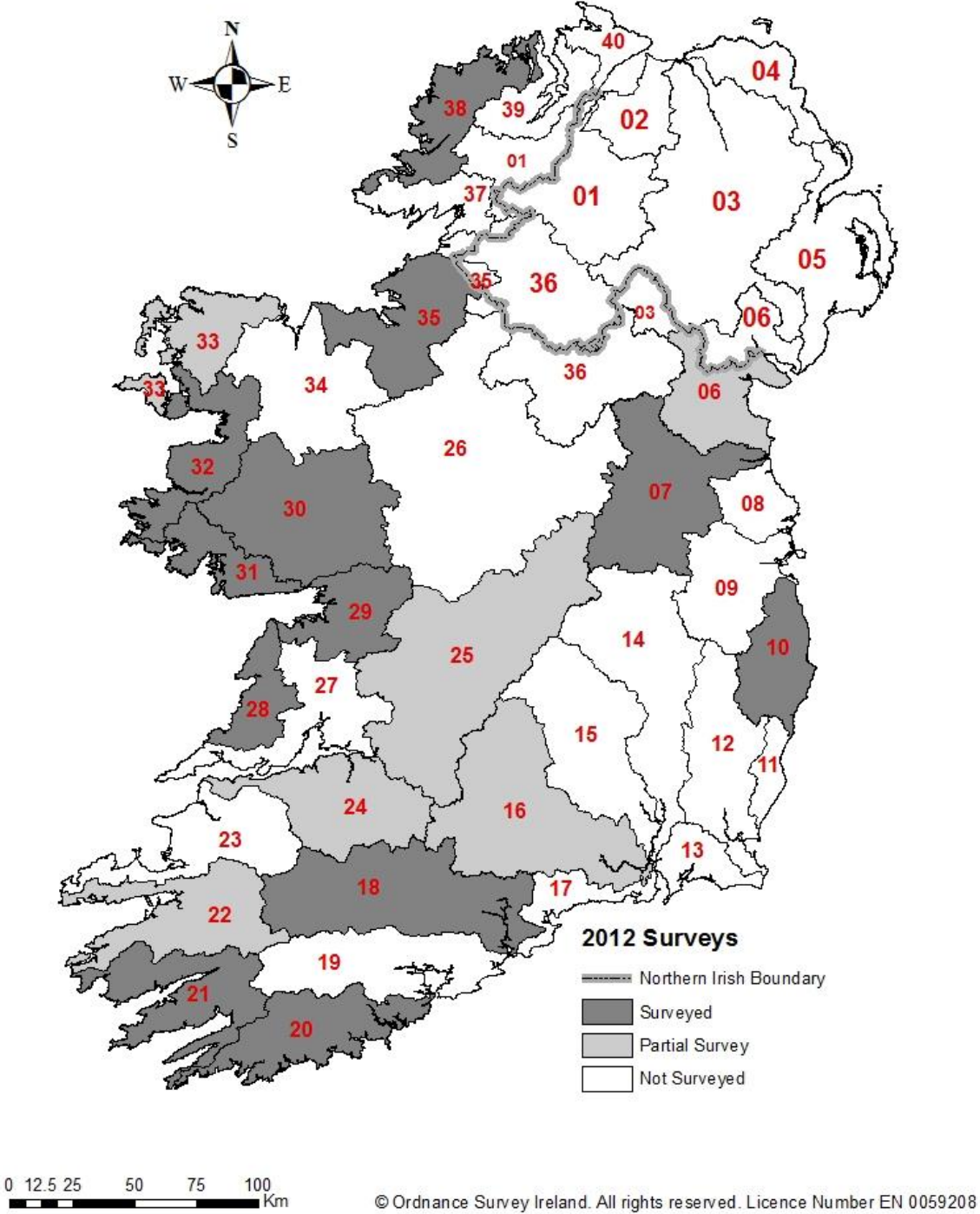
Table 1: The EPA Q-value classification system and its relationship to water quality

Q Value	WFD Status	Pollution Status	Condition*	EPA Quality Class
Q5, Q4-5	High	Unpolluted	Satisfactory	Class A
Q4	Good	Unpolluted	Satisfactory	Class A
Q3-4	Moderate	Slightly polluted	Unsatisfactory	Class B
Q3, Q2-3	Poor	Moderately polluted	Unsatisfactory	Class C
Q2, Q1-2, Q1	Bad	Seriously polluted	Unsatisfactory	Class D

*'Condition' refers to the likelihood of interference with beneficial or potential beneficial use.

2012 INTERIM BIOLOGICAL (MACROINVERTEBRATE) REPORTS

Principal Hydrometric Areas Surveyed



HYDROMETRIC AREA 06 (Newry, Fane, Glyde & Dee: Balance of Survey)

Partial survey in 2011, Balance of Survey in 2012

BALLYMASCANLAN	06B02
CARRICKASLANE LOUGH STREAM *	06C04
CASTLETOWN	06C01
COUNTY WATER	06C03
CULLY WATER	06C02
DEE	06D01
DRUMSALLAGH STREAM *	06D07
FANE	06F01
GENTLE OWEN'S LAKE STREAM *	06G04
GLYDE	06G02
KILCURRY	06K02
KILLARY WATER	06K01
KILMAINHAM *	06K04
MAGHERACLOONE STREAM *	06M01
PROULES	06P01
WHITE (LOUTH)	06W01

* CARRICKASLANE LOUGH STREAM Formerly Carrickaslane Lough Branch of Fane River

* DRUMSALLAGH STREAM Formerly: 06G02 Glyde Drumsallagh Branch

* GENTLE OWEN'S LAKE STREAM Formerly: 06F01 Fane East Branch

* KILMAINHAM Formerly 06D01:Dee Kilmainham Wood Branch

* MAGHERACLOONE STREAM Formerly Magheracloone Branch of the Glyde River 06G02

River and Code : **BALLYMASCANLAN**

06/B/02

Tributary of : 06F02 FLURRY

OS Catchment No: 91

OS Grid Ref of Confluence: J 081 100

Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1990	1991	1994	1997	2000	2003	2006	2007	2008	2009	2010	2012
0100	2-3	-	3/0	4	3/0	2/0	2/0	2/0	2-3/0	3-4	3-4	3-4
0200	-	-	-	-	-	-	-	-	3	-	-	-
0300	4-5	-	-	-	3	-	-	-	-	-	-	-
0500	1-2	1	3	4	3	-	-	-	-	-	-	-

Assessment: The improvement to moderate ecological condition recorded at Jonesborough Bridge in 2009 and 2010 was maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Jonesborough Br	306465	314446	36	LH
0200	Br nr Carrickaneena House	306700	313600	36	
0300	New Br	307128	311816	29	LH
0500	Ballymascanlan Br	308085	310187	29	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	58	0	100	0	40	0	0	60	0	0	0
0300	30	2	85	15	91	5	0	4	0	0	0
0500	6	4	54	46	87	3	0	8	2	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARRICKASLANE LOUGH STREAM** **06/C/04**
 Tributary of : 06F01 FANE OS Catchment No: 94
 OS Grid Ref of Confluence: H 815 214
 Date(s) Surveyed: 4/9/2012

Formerly Carrickaslane Lough Branch of Fane River

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0115	4	4	3-4	4	3	3	3	3

Assessment: Just upstream of Carrickaslane Lough the stream continues to be of unsatisfactory ecological condition, with no change of status in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0115	Br u/s Carrickaslane L	280540	324500	28	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0115	N/A	5	100	0	82	0	8	0	11	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CASTLETOWN**

06/C/01

Tributary of :

OS Catchment No: 92

OS Grid Ref of Confluence: T 047 083

Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1974	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	-	4	4	4-5	3	3	3	3
0100	-	5	5	5	4-5	-	-	-	-	-	-	-
0200	5	5	4-5	4-5	4-5	4	4	4	4	3-4	-	3
0300	4	4-5	3-4	4	3-4	-	-	-	-	-	-	-
0310	-	-	-	-	-	3-4	4	4-5	4	3-4	4	3-4

Assessment: Continuing unsatisfactory conditions were observed at Ballybinaby Bridge. At Ford's Bridge, which was last assessed in 2006, a slight decline from moderate to poor ecological condition was recorded. At the Weir downstream of John's Bridge, a slight decline from good to moderate ecological condition was recorded, reversing the improvement recorded at this site between 2006 and 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Ballybinaby Br	295791	311768	28	LH
0100	Br N of Hackballscross	297561	310761	28	LH
0200	Ford's Bridge	300729	309852	36	LH
0300	St John's Br	303001	309682	36	LH
0310	Weir d/s John's Br	303197	309544	36	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	54	1	100	0	94	0	0	6	0	0	0
0100	41	9	100	0	92	0	0	6	2	0	0
0200	19	12	96	4	88	0	0	5	7	0	0
0300	5	33	73	27	75	0	0	3	22	0	0
0310	4	33	73	27	75	0	0	3	22	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COUNTY WATER**

06/C/03

Tributary of :

OS Catchment No: 94

OS Grid Ref of Confluence: H 847 202

Date(s) Surveyed: 4/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1984	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	-	3*	3	4	4	4
0080	-	-	-	-	-	3-4*	3	3	-	-
0100	4-5	3	4-5	3	3	-	-	-	-	-
0170	-	-	-	-	-	3-4	3*	3-4	3-4	3-4
0200	4	3	4	3-4	3	-	-	-	-	-

Assessment: Good ecological condition was again recorded at County Bridge (0050). At the Bridge upstream of Wallace's Bridge (0170) the moderate ecological condition recorded in 2009 was maintained in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	County Br	289250	324600	28	MN
0080	Br u/s Tullycollive Br	288450	320950	28	MN
0100	Tullycollive Br	287115	320900	28	MN
0170	Br u/s Wallace's Br	285596	321605	28	MN
0200	Wallace's Br	284958	320419	28	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	105	1	100	0	100	0	0	0	0	0	0
0170	98	8	100	0	96	0	0	0	4	0	0
0200	90	9	100	0	94	0	0	0	6	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CULLY WATER**

06/C/02

Tributary of : 06K02 KILCURRY

OS Catchment No: 92

OS Grid Ref of Confluence: J 025 109

Date(s) Surveyed: 6/9/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	5	4-5	4-5	4-5	4-5	4-5	4	4	-	-
0200	4-5	4-5	4-5	4-5	3-4	4-5	4-5	4-5	4	4	4

Assessment: The macroinvertebrate fauna indicated continuing good ecological conditions on the Cully Water just upstream of the Kilcurry River confluence in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dungooly Br	300322	314006	36	LH
0200	Br u/s Kilcurry R confl	302435	310849	36	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	30	0	100	0	100	0	0	0	0	0	0
0200	10	6	66	34	47	0	0	0	53	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEE**
 Tributary of : 06G02 GLYDE
 OS Grid Ref of Confluence: O 086 935
 Date(s) Surveyed: 8/9/2012, 31/8/2012

06/D/01
 OS Catchment No: 96

Station Nos.	Biological Quality Ratings (Q Values)														
	1974	1977	1978	1980	1983	1986	1990	1994	1997	2000	2003	2006	2009	2011	2012
0016	-	-	-	-	-	-	4-5	4	4	3-4	4	3-4	3-4	-	3-4
0025	-	-	-	-	-	-	5	4	4	4	4	4	-	-	-
0030	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-
0035	-	-	-	-	-	-	4-5	3	3	3-4	3	3	3-4	-	3
0150	-	-	-	3-4	4	-	-	-	-	-	-	-	-	-	3
0200	3-4	-	2-3	3-4	4	4	4	3	3	3-4	3-4	3-4	3	-	3-4
0300	4	-	3	4	4	3-4	4-5	-	-	-	-	-	-	-	-
0360	-	-	-	-	-	-	4	3-4	3-4	4	4	4	4	-	4
0400	-	-	-	4	4	3-4	4-5	-	-	-	-	-	-	-	-
0450	-	-	-	-	-	-	-	3-4	3-4	3-4	3-4	4	-	-	-
0500	4-5	-	3	4	4	3-4	4-5	-	-	-	-	-	-	-	-
0600	4	3-4	4	4	4-5	3-4	4-5	3-4	3	4	4	4	4	4	-
0670	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
0680	-	-	-	-	4	4	4	3-4	3-4	4	3-4	-	-	-	3
0700	2	3-4	3-4	3	3-4	3	4	-	-	-	-	-	-	-	-
0710	-	-	-	-	-	-	4	3-4	3-4	3-4	3	3	3	3	-
0790	-	-	-	-	-	-	-	-	-	-	-	3-4	-	-	-
0800	4	3-4	3-4	4	4	3-4	4-5	3	3	3-4	3	-	-	-	-
0900	-	-	-	-	-	3-4	-	-	-	-	-	-	-	-	-
0910	-	-	-	4	4	3-4	4	-	-	-	-	-	-	-	-
1000	4	3-4	3	3-4	3-4	3-4	3-4	3	3	3-4	3	3-4	3-4	3	-
1100	-	-	-	4	4	4	3-4	-	-	-	-	-	-	-	3

Assessment: The macroinvertebrate fauna indicated unsatisfactory conditions at all sites assessed on the River Dee in September 2012, with the exception of Rockfield Bridge (0360) where satisfactory ecological condition was recorded.

Hydrometric Area (06)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0016	Br u/s Ervy Lough	276240	294830	35	CN
0025	Br to N. of Ervy X-Rds	277250	292710	35	MH
0030	Br u/s Newcastle L	278698	291501	35	MH
0035	Tom's Br	279580	289130	35	MH
0150	Wooden Br W of Nobber Br	281907	286754	35	MH
0200	Deegvee Br	283040	285760	35	MH
0300	Ballanagirrisk Br	284466	284456	35	MH
0360	Rockfield Br	287143	285571	35	MH
0400	Yellow Ford Br	288539	286830	35	MH
0450	Hem Br	289630	288065	35	MH
0500	Bogie Br	291066	289447	35	MH
0600	Burley Br	292551	289685	36	MH
0670	1km u/s Ardee Br	295281	290330	36	MH
0680	Dawson's Br	296593	290520	36	LH
0700	1.5 km d/s Ardee	0	0	0	
0710	150 m d/s Old Rly Br (LHS)	297279	291051	36	LH
0790	New Br u/s Drumgoolestown Br. (d/s)	302862	291051	36	LH
0800	Drumgoolestown Br	303066	290878	36	LH
0900	Charleville Weir	0	0	0	
0910	Cappoge Br	305064	290619	36	LH
1000	Br at Drumcar	306596	291170	36	LH
1100	At Williamstown House	307391	292195	36	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0016	129	10	100	0	98	0	0	0	0	0	2
0025	N/A	14	100	0	99	0	0	0	0	0	1
0030	60	19	100	0	99	0	0	0	0	0	1
0035	51	31	67	33	98	0	0	0	1	0	1
0150	48	70	70	30	97	0	0	0	2	1	0
0200	47	6	0	100	77	0	0	2	21	0	0
0300	43	95	52	48	95	0	0	1	4	0	0
0360	39	110	50	50	92	0	0	0	6	0	0
0400	35	157	64	36	89	0	0	0	10	0	0
0450	31	170	60	40	89	0	0	0	10	0	0
0500	28	173	59	41	89	0	0	0	10	0	0
0600	26	176	58	42	89	0	0	0	10	0	0
0670	23	277	53	46	81	0	0	0	17	0	1
0680	23	286	54	46	79	0	0	1	18	0	1
0710	22	287	54	46	79	0	0	1	19	0	1
0800	13	305	56	44	76	0	0	1	22	0	1
0910	10	317	58	42	75	0	0	1	22	0	1
1000	10	376	65	35	72	1	0	1	25	0	1
1100	8	386	66	34	71	1	0	2	26	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMSALLAGH STREAM**

06/D/07

Tributary of : 06G02 GLYDE

OS Catchment No: 95

OS Grid Ref of Confluence: N 803 981

Date(s) Surveyed: 2/9/2012, 31/8/2012

Formerly: 06G02 Glyde Drumsallagh Branch

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0056	5	3	4-5	4-5	4-5	4	4	4
0066	4-5	4-5	4-5	4	4	-	-	-
0070	4-5	4-5	4-5	4-5	4-5	4	4-5	3-4

Assessment: The macroinvertebrate fauna indicated continuing good ecological condition at the upper site west of Drumsallagh (0056). However there has been a very disappointing deterioration in ecological status at County Bridge (0070) from high in 2009 to moderate in September 2012. Cattle access is an issue at this location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0056	Br W of Drumsallagh	276200	297520	35	CN
0066	Murphy's Br	278130	297220	35	CN
0070	County Br (u/s Magheracloone Branch)	280160	298260	35	MN

River and Code : **FANE**
 Tributary of : DUNDALK BAY
 OS Grid Ref of Confluence: J 064 018
 Date(s) Surveyed: 4/9/2012, 6/9/2012, 8/9/2012

06/F/01
 OS Catchment No: 94

Station Nos.	Biological Quality Ratings (Q Values)													
	1974	1976	1980	1982	1986	1990	1994	1997	2000	2003	2006	2007	2009	2012
0080	-	-	-	-	-	4	-	-	-	-	-	-	-	-
0155	-	-	-	-	-	-	2-3	2-3	2-3	2-3	2/0	3	3	3
0180	-	-	-	-	-	-	3	3	3	3	3	-	-	-
0200	-	3-4	4	3-4	3-4	3-4	3	3-4	3	3	3-4	-	3-4	3
0300	-	3-4	3-4	3-4	3-4	3-4	3	3	3	3	3	-	-	-
0400	-	-	3	3	3	3-4	3	3	3-4	3	3	-	3	3
0500	-	5	5	4-5	4	4-5	4	4	4	4	3-4	-	-	-
0600	-	-	5	4-5	4-5	-	-	-	-	-	-	-	-	-
0650	-	-	-	-	-	5	3-4	4	4	3-4	3-4	-	4	4
0700	5	5	5	4	4	5	4	4-5	4-5	4	3-4	-	-	-
0800	-	-	4	4	4	4	-	-	-	-	-	-	-	-
0900	5	5	4	4-5	-	4	3-4	4-5	4-5	4	4	-	4	4
1000	-	-	4-5	4-5	-	-	-	-	-	-	-	-	-	-

Assessment: The Fane River continued to be in generally unsatisfactory ecological condition in its upper section in September 2012, with poor ecological condition recorded at South Bridge at Dunfelimy (0155), Derrycreevy Bridge (0200) and Ballynacarry Bridge (0400). The lower section of the river retained its good ecological condition at Inniskeen Bridge (0650) and at Stephenstown Bridge (0900).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br u/s Muckno Mill Lough	284723	322660	0	
0155	South Br Dunfelimy	276630	324080	28	MN
0180	2nd Br u/s Laragh L (Main Rd)	279200	322360	28	MN
0200	Derrycreevy Br	282770	320680	28	MN
0300	Clarebane Br	287357	316783	28	MN
0400	Ballynacarry Br	287460	314120	28	MN
0500	Magoney Br	290853	309669	35	MN
0600	Br at Moyle's Mill	291871	307634	35	MN
0650	Innishkeen Br	293175	307040	36	MN
0700	Castlering Br	296636	303711	36	LH
0800	Knock Br	298812	303159	36	LH
0900	Stephenstown Br	301390	301567	36	LH
1000	Lurgangreen Br	306120	301425	36	LH

Hydrometric Area (06)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0155	112	6	100	0	82	0	5	0	13	0	0
0180	92	11	100	0	80	0	3	0	17	0	0
0200	90	43	100	0	87	0	3	1	8	1	0
0300	90	112	100	0	85	0	2	2	6	4	1
0500	65	5	100	0	77	0	0	0	23	0	0
0600	54	21	95	5	76	0	0	0	24	0	0
0650	47	24	95	5	76	0	0	1	22	0	0
0700	23	43	97	3	82	0	0	1	16	0	1
0800	10	92	99	1	76	0	0	1	20	0	2
0900	6	102	99	1	73	0	0	1	24	0	2
1000	0	129	99	1	67	0	0	1	30	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GENTLE OWEN'S LAKE STREAM**

06/G/04

Tributary of : 06F01 FANE

OS Catchment No: 94

OS Grid Ref of Confluence: H 829 206

Date(s) Surveyed: 4/9/2012

Formerly: 06F01 Fane East Branch

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1976	1980	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0040	-	-	-	-	-	-	3-4	4-5	4	3-4*	4	4	4
0080	-	-	-	-	-	4	-	-	-	-	-	-	-
0100	4	3	4	4-5	3-4	3	3-4	3	3	4	3	3-4	3-4

Assessment: Ecological condition of Gentle Owen's Lake Stream remains good at the bridge in Creaghanroe (0040) in 2012, while moderate conditions prevail at the bridge downstream of Muckno Mill Lough (0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br in Creaghanroe	283280	325060	28	MN
0080	Br u/s Muckno Mill Lough	284723	322660	28	MN
0100	Br 1.5km d/s Muckno Mill L	283430	321440	28	MN

River and Code : **GLYDE**
 Tributary of :
 OS Grid Ref of Confluence: O 090 940
 Date(s) Surveyed: 2/9/2012, 6/9/2012, 8/9/2012

06/G/02
 OS Catchment No: 95

Station Nos.	Biological Quality Ratings (Q Values)													
	1977	1978	1979	1981	1983	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	3	-	4-5	4	5	4-5	4-5	4-5	4-5	4	4	4	3-4
0200	-	4-5	-	4	4-5	4-5	4-5	-	-	-	-	-	-	-
0300	-	4	-	-	-	-	-	-	-	-	-	-	-	-
0400	-	4	-	4	4	3-4	4	4	3	4	4	4-5	4-5	4
0500	4	-	3-4	4	3-4	3-4	3	3	-	4	4	-	4	4
0600	4-5	-	4	4	5	4-5	4-5	4	3-4	4	4	3-4	4	4
0700	4	-	-	-	4	4	4	3-4	3-4	3-4	3-4	-	-	3-4
0800	-	-	-	4	4	3-4	-	-	-	-	-	-	-	-
0900	-	-	4	4	4-5	4-5	5	3-4	3	4	4-5	4	4	4
1001	4-5	-	4	4	4	3-4	4	-	-	-	-	-	-	-
1002	-	-	-	1	1	2-3	4	3	4	4	4-5	4	-	-
1100	-	-	-	-	-	3	-	-	-	-	-	-	-	-
1200	3-4	-	3-4	3-4	4	3	3-4	3-4	3-4	3-4	3-4	3-4	4	3-4
1230	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4
1240	-	-	-	-	-	-	3	-	-	-	-	-	-	-

Assessment: Macroinvertebrate fauna indicated a general overall deterioration in the condition of the Glyde since 2009. Despite satisfactory ecological conditions recorded at all sites assessed in 2009, currently only the middle reaches of the river (0400, 0500, 0600) merited good ecological condition in 2012. Disappointingly, the other five sites were downgraded to moderate ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cormey Br	280537	297971	35	MN
0200	Tobermannan Br	282535	296614	35	LH
0300	Ballyhoe Br	285716	295404	35	LH
0400	Lagan Br	287438	296456	35	LH
0500	Aclint Br	289375	298093	35	LH
0600	Br W of Mullacrew	294294	299538	36	LH
0700	Tallanstown Br	295497	297731	36	LH
0800	0.5km d/s Tallanstown Br	295824	297384	36	LH
0900	Mapastown Br	298637	295436	36	LH
1001	Mansfieldstown Br (LHS)	302337	295243	36	LH
1002	Mansfieldstown Br (RHS)	302322	295237	36	LH
1100	200m u/s Castlebellingham Br	305772	294961	36	LH
1200	Castlebellingham Br	305976	295149	36	LH
1230	200 m d/s Castlebellingham Br	306076	295303	36	LH
1240	1.5km d/s Castlebellingham Br	306868	294568	36	LH

Hydrometric Area (06)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	34	63	73	27	86	3	0	4	6	0	2
0200	30	75	61	39	85	4	0	3	6	0	1
0300	28	119	50	50	85	3	0	2	8	0	1
0400	26	134	49	51	84	3	0	2	9	0	2
0500	24	149	47	53	84	3	0	2	10	0	1
0600	21	268	54	46	83	2	0	2	12	0	1
0700	18	276	55	45	81	2	0	2	14	0	1
0800	17	276	55	45	81	2	0	2	14	0	1
0900	7	318	61	39	73	2	0	2	22	0	1
1001	5	346	64	36	69	2	0	2	26	0	1
1002	5	346	64	36	69	2	0	2	26	0	1
1100	2	357	65	35	68	2	0	2	28	0	1
1200	2	357	65	35	68	2	0	2	28	0	1
1230	3	357	65	35	68	2	0	2	28	0	1
1240	2	358	65	35	68	2	0	2	28	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILCURRY**
 Tributary of : 06C01 CASTLETOWN
 OS Grid Ref of Confluence: J 028 098
 Date(s) Surveyed: 6/9/2012

06/K/02
 OS Catchment No: 92

Station Nos.	Biological Quality Ratings (Q Values)										
	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4-5	4-5	4	3-4	-	-	-	-	-	-
0200	4	4-5	4-5	4-5	3	4-5	4	4	4	4	4

Assessment: Macroinvertebrate fauna indicated continuing good ecological conditions in the Kilcurry River in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Lurgankeel	302729	311975	29	LH
0200	Br at Mill nr Falmore Hall	302451	310875	29	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	24	1	92	8	46	0	0	0	54	0	0
0200	10	2	80	20	45	0	0	0	55	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILLARY WATER**

06/K/01

Tributary of : 06D01 DEE

OS Catchment No: 96

OS Grid Ref of Confluence: N 884 760

Date(s) Surveyed: 31/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	3	3	3-4	3-4	3-4	3-4	-	-
0300	3-4	-	-	-	-	-	-	-
0400	3-4	-	-	-	-	-	-	-
0500	3-4	3-4	3-4	3-4	4	3-4	3	3

Assessment: Ecological condition remains poor and unchanged upstream of the Dee river confluence (0500) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Killary Br Upper	287865	281331	35	MH
0300	Killary Br Lower	287963	282920	35	MH
0400	Mitchelstown Br	287761	284351	35	MH
0500	SW Br u/s Dee R confl	288601	285461	35	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	62	25	100	0	75	0	0	0	25	0	0
0300	52	28	100	0	74	0	0	0	26	0	0
0400	43	34	100	0	76	0	0	0	24	0	0
0500	38	36	100	0	77	0	0	0	23	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILMAINHAM**
 Tributary of : 06D01 DEE
 OS Grid Ref of Confluence: N 792 885
 Date(s) Surveyed: 31/8/2012

06/K/04
 OS Catchment No: 96

Formerly 06D01:Dee Kilmainham Wood Branch

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1978	1980	1983	1986	1990	1994	1997	2000	2003	2006	2009	2012
0055	-	-	-	-	-	-	-	4	3-4	4	4	4	4	3-4
0075	-	-	-	-	-	-	-	3	4	4	4	-	-	-
0100	4-5	5	4-5	4	4-5	4-5	4-5	4-5	4	4	4	4	4	3-4

Assessment: A disappointing decline in ecological condition from good to moderate was recorded at both sites assessed on the Kilmainham in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0055	Breaky Br	274500	291870	35	MH
0075	Br N of Kilflannan (at T junction)	275880	290540	35	MH
0100	Br u/s Whitewood L	278950	289180	35	MH

River and Code : **MAGHERACLOONE STREAM** **06/M/01**
 Tributary of : 06G02 GLYDE OS Catchment No: 95
 OS Grid Ref of Confluence: N 803 981
 Date(s) Surveyed: 2/9/2012

Formerly Magheracloone Branch of the Glyde River 06G02

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0082	5	3-4	4-5	-	-	-	-	-
0096	4-5	4-5	4-5	4-5	4	4	4	4

Assessment: Macroinvertebrate fauna indicate continuing good ecological condition in the Magheracloone Stream in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0082	Br E of Bench Mark 484'	277450	300010	35	MN
0096	Br N of Lisnakeeny	279550	299580	35	MN

River and Code : **PROULES**
 Tributary of : 06G02 GLYDE
 OS Grid Ref of Confluence: N 912 993
 Date(s) Surveyed: 2/9/2012

06/P/01
 OS Catchment No: 95

Biological Quality Ratings (Q Values)

Station Nos.	1974	1976	1978	1980	1982	1984	1990	1991	1994	1997	2000	2003	2006	2009	2012
0100	-	5	5	5	4	4-5	5	-	4	4-5	-	-	-	-	4
0110	-	-	-	-	-	-	3	-	-	-	4-5	4-5	4	4	4
0200	1	1-2	2-3	3	4	4	4	-	-	-	-	-	-	-	-
0300	1	1	3	1	3	3-4	1-2	1-2	2-3	2	2-3	2-3	2-3	n/s	2-3
0400	2	2-3	2-3	2	3-4	3	2	2	2	2	2-3	3	-	-	-
0500	3	3	4	4	4	4-5	3-4	-	-	-	-	-	-	-	3-4
0600	-	4	3-4	4	4	4	3-4	-	3	3	3-4	3	3-4	3-4	3-4

Assessment: The Proules River had good ecological status at both sites assessed upstream of Carrickmacross in 2012. Downstream of Carrickmacross (0300) the macroinvertebrate fauna indicated poor ecological status, unchanged since last assessed in 2006. In the lower section of the river, moderate ecological status was recorded at Ballymackey Bridge (0500) and at the bridge near Killanny (0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dry Br	283385	304013	35	MN
0110	500m d/s Dry Br (d/s St 0100)	283385	304013	35	MN
0200	Ardee Rd Br Carrickmacross	284120	303395	35	MN
0300	Just u/s Lough Naglack	284961	302669	35	MN
0400	Broken Br	285669	302902	35	MN
0500	Ballymackney Br	287803	301952	35	MN
0600	Br at Killanny	289348	301043	35	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	44	8	52	48	85	0	0	0	15	0	0
0110	44	8	52	48	85	0	0	0	15	0	0
0200	34	10	43	57	77	0	0	8	15	0	0
0300	26	17	25	75	75	7	0	9	9	0	0
0400	30	18	24	76	75	7	0	9	9	0	0
0500	29	87	49	51	87	1	0	3	8	0	0
0600	28	91	52	48	87	1	0	3	8	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **WHITE (LOUTH)**

06/W/01

Tributary of : 06D01 DEE

OS Catchment No: 96

OS Grid Ref of Confluence: O 062 908

Date(s) Surveyed: 8/9/2012

Station Nos.	Biological Quality Ratings (Q Values)															
	1974	1976	1978	1980	1982	1986	1990	1991	1994	1997	2000	2003	2006	2009	2011	2012
0040	-	-	-	-	-	-	4	-	4-5	4-5	3-4	4	4	4	4	-
0080	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
0100	-	-	3-4	4-5	3-4	4-5	4-5	-	4	4	3-4	3-4	-	-	-	4
0200	3	3	3-4	4	4-5	4-5	4	-	-	-	-	-	3-4	4	3	-
0290	-	-	-	-	-	-	3-4	-	3	3	3-4	3-4	-	-	-	-
0300	-	-	2/0	3	4-5	4-5	2-3	-	-	-	-	-	-	-	-	-
0400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
0500	2-3/0	1/0	3/0	3	3/0	1/0	2	2	2-3	2-3	3-4	3-4	3-4	3-4	3	-

Assessment: Satisfactory ecological conditions were maintained in the upper reaches of the White River (0100) in 2012. However, the lower reaches remain unsatisfactory, downstream of Dunleer Railway Bridge (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s White River Br	300889	284557	36	LH
0080	Gibbers Bridge	303172	284927	36	LH
0100	New Br	304628	285661	36	LH
0200	Athclare Br	305896	286586	36	LH
0290	Grangebellew Rd Br Dunleer	305873	287870	36	LH
0300	Main Rd Br Dunleer	305753	288205	36	LH
0400	500m d/s Dunleer Ry Br	305723	289025	36	LH
0500	Coneyburrow Br	305719	289280	36	LH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	98	7	100	0	67	8	0	0	26	0	0
0080	68	10	100	0	58	6	0	0	36	0	0
0100	53	30	100	0	66	4	0	1	29	0	0
0290	28	45	100	0	59	3	0	2	37	0	0
0300	24	45	100	0	59	3	0	2	37	0	0
0400	20	47	100	0	58	3	0	3	36	0	0
0500	17	55	100	0	58	2	0	3	37	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

NBIRBD: HYDROMETRIC AREA NO. 06

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Ballymascanlan	2012	06B02	0.0	0.0	5.0	0.0	0.0	5.0	
Big (Louth)	2011	06B01	10.0	0.0	0.0	0.0	0.0	10.0	
Carrickaslane L. Stream	2012	06C04	0.0	0.0	0.0	1.0	0.0	1.0	
Castletown	2012	06C01	0.0	0.0	4.3	8.3	0.0	12.5	
County Water	2012	06C03	0.0	5.3	4.8	2.4	0.0	12.5	
Cully Water	2012	06C02	0.0	6.5	0.0	0.0	0.0	6.5	
Dee	2011/12	06D01	0.0	23.1	5.2	21.2	0.0	49.5	
Drumsallagh Stream	2012	06D07	0.0	6.8	0.2	0.0	0.0	7.0	
Fane	2012	06F01	0.0	17.5	5.5	16.6	0.0	39.5	
Flurry	2011	06F02	0.0	4.3	6.3	0.0	0.0	10.5	
Gentle Owen's lake Stream	2012	06G04	0.0	6.5	1.0	0.0	0.0	7.5	
Glyde	2012	06G02	0.0	30.3	9.8	0.0	0.0	40.0	
Kilcurry	2012	06K02	0.0	6.5	0.0	0.0	0.0	6.5	
Killary Water	2012	06K01	0.0	0.0	5.5	1.0	0.0	6.5	
Kilmainham	2012	06K04	0.0	0.0	8.0	0.0	0.0	8.0	
Magheracloone Stream	2012	06M01	0.0	5.0	0.0	0.0	0.0	5.0	
Proules	2012	06P01	0.0	3.3	5.7	1.0	0.0	10.0	
Termonfeckin	2011	06T01	0.0	0.0	0.0	5.0	0.0	5.0	
White (Louth)	2011/12	06W01	0.0	7.4	0.0	7.6	0.0	15.0	
Total Length (km) surveyed this cycle			10.0	122.4	61.1	64.1	0.0	257.5	
Adjustments (See below)*			0.0	0.0	0.0	0.0	0.0	0.0	
Current Length (km) Adjusted			10.0	122.4	61.1	64.1	0.0	257.5	
Percentages			3.9	47.5	23.7	24.9	0.0	100.0	
Channel Length (km) in Class				A	B	C	D	Total	
Baseline: Current adjusted Status (km)			2010-'12	132.4	61.1	64.1	0.0	257.5	
<i>Percentages</i>				51.4	23.7	24.9	0.0	100.0	
Baseline: Previous unadjusted Status (km)			2007-'09	11.1	143.2	62.9	40.3	0.0	257.5
<i>Percentages</i>				4.3	55.6	24.4	15.6	0.0	100.0
Changes since Previous Survey (km)				-1.1	-20.9	-1.8	23.8	0.0	0.0

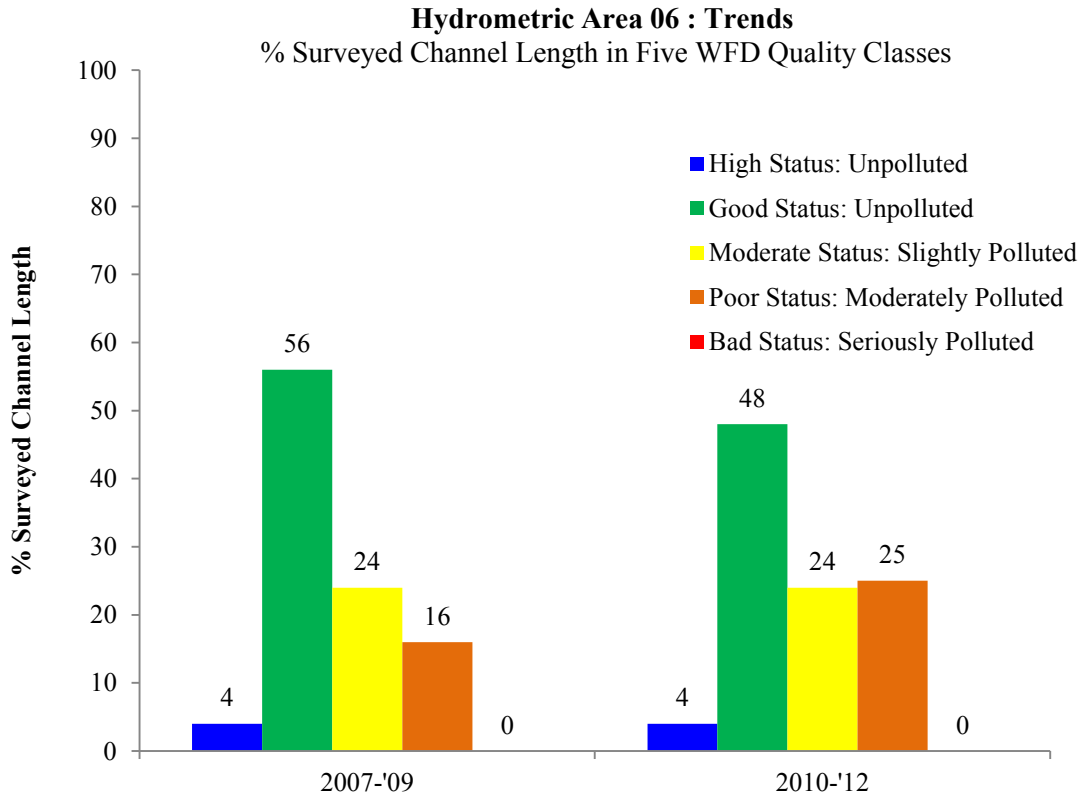
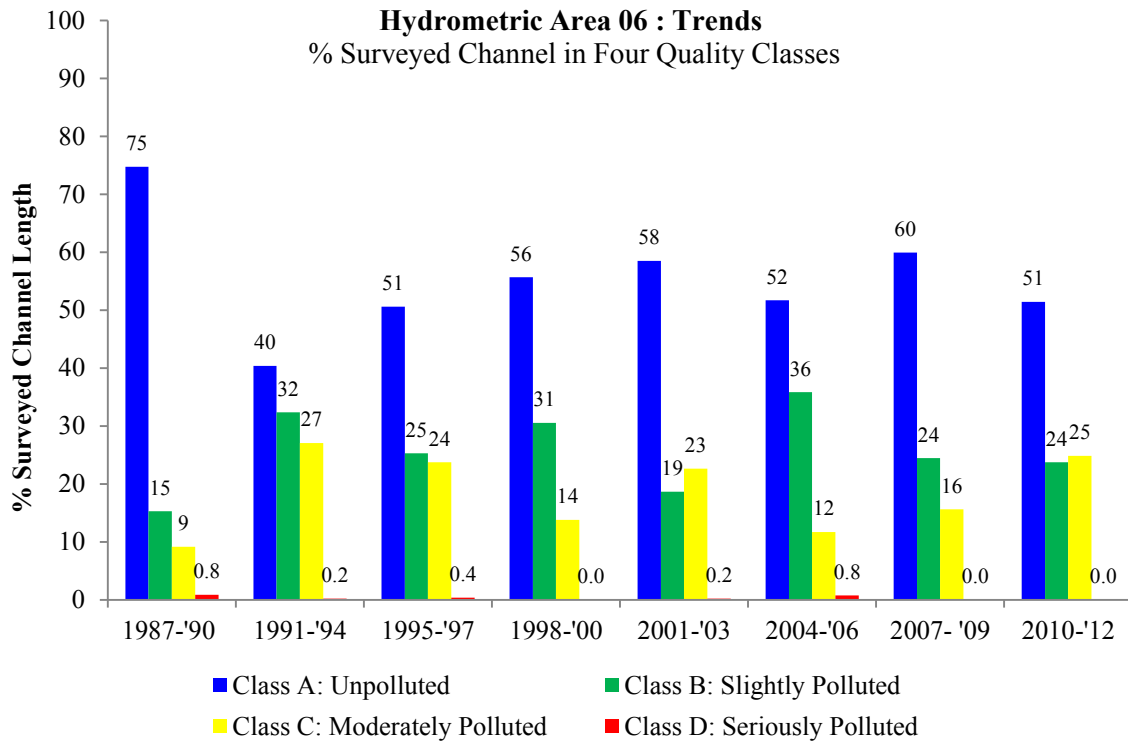
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	2	2
Good	22	19
Moderate	10	18
Poor	11	20
Bad	0	0
Total number of sites surveyed	45	59
Total number of sites at unsatisfactory status	21	38



HYDROMETRIC AREA 07 (Boyne)	
ATHBOY	07A01
BLACKWATER (KELLS)	07B01
BLACKWATER (LONGWOOD)	07B02
BOYCETOWN	07B03
BOYNE	07B04
CASTLEJORDAN	07C04
CHAPEL LAKE STREAM	07C05
CLADY (MEATH)	07C01
CROSS WATER	07C02
CROSSKEYS STREAM *	07C07
D'ARCY'S CROSSROADS STREAM *	07D06
DEEL (RAHARNEY)	07D01
DEVLIN'S	07D02
GLASH	07G02
KINNEGAD	07K01
KNIGHTSBROOK	07K02
LISLEA	07L01
MATTOCK	07M01
MILLTOWNPASS	07M04
MOYNALTY	07M03
MULLAGH LOUGH STREAM *	07M06
NADREEGEEL LOUGH STREAM	07N01
RIVERSTOWN	07R01
ROCHFORTBRIDGE STREAM	07R04
SKANE	07S01
STONYFORD	07S02
YELLOW (BLACKWATER)	07Y01
YELLOW (CASTLEJORDAN)	07Y02

* CROSSKEYS STREAM Formerly Stonyford 07S02 West Branch

* D'ARCY'S CROSSROADS STREAM Formerly Stonyford 07S02 East Branch

* MULLAGH LOUGH STREAM Formerly Mullagh Branch of Moynalty 07M03

River and Code : **ATHBOY**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 774 566
 Date(s) Surveyed: 19/9/2012, 20/9/2012, 29/8/2012

07/A/01
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1975	1979	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	-	-	4	4	3-4	4	3	4	4*
0040	-	-	-	-	-	-	4	-	-	-	-	-	-	-
0050	-	-	-	-	-	-	3-4	3-4	3-4	3	3-4	4	3-4	3-4
0070	-	-	-	-	-	-	4	4	4	3	4	4	-	3-4
0100	-	-	-	-	4	3-4	3-4	3-4	4	4	3-4	4	4	4
0200	4	4-5	4	3-4	4	3	3-4	3	3	3-4	3	4	-	-
0300	3-4	3-4	2-3	2-3	3-4	4	3-4	3-4	3-4	3-4	3	3	3-4	3-4
0400	3-4	3	3	3-4	4	4	3-4	3-4	3-4	-	-	-	-	3-4
0500	-	3-4	4	3-4	4	3	3-4	3	3	3-4	3-4	4	3-4	3-4

Assessment: The macroinvertebrate fauna indicated that only two (0020, 0100) of the seven stations surveyed on the Athboy River were in a satisfactory good ecological condition in 2012. Enriched conditions were however evident at these two stations with enhanced algal and/or plant growth, excessive siltation, calcification and compaction of the river bed substratum observed. The paucity of sensitive macroinvertebrate taxa and dominance of pollution tolerant taxa indicated moderate ecological conditions near Kilskeer (0050), Johnsbrook (0070), downstream of Athboy (0300), at Tremblestown (0400) and at Kilnagross Brdge (0500) just upstream of its confluence with the Boyne River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br NW of Dogstown	262637	275950	42	MH
0040	Martinstown Br	263751	273559	42	MH
0050	Br W of Kilskeer	264793	271654	42	MH
0070	Br W of Johnsbrook Ho	267591	269148	42	MH
0100	Br nr Clonleasan Ho	269518	268149	42	MH
0200	Just u/s Athboy Br	271686	264261	42	MH
0300	Br 2km SE of Athboy	272823	262772	42	MH
0400	Tremblestown Br	275605	257665	42	MH
0500	Kilnagross Br	277055	256686	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	114	10	40	60	97	0	0	0	3	0	0
0040	99	24	33	67	86	0	0	0	14	0	0
0050	93	34	27	73	86	0	0	0	14	0	0
0070	80	51	19	81	87	0	0	0	13	0	0
0100	72	78	21	79	84	2	1	0	13	0	0
0200	67	111	15	85	83	2	0	0	15	0	0
0300	65	116	14	86	82	1	0	1	16	0	0
0400	61	164	10	90	76	2	0	0	21	0	0
0500	54	167	10	90	75	2	0	0	22	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (KELLS)**

07/B/01

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 872 680

Date(s) Surveyed: 10/10/2012, 20/9/2012, 21/9/2012, 26/6/2012,
27/6/2012, 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)																			
	1971	1973	1974	1975	1977	1978	1980	1982	1984	1987	1988	1989	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	-	3-4	-	-	4-5	4	4-5	4-5	-	-	-	-	4	4	4-5	4-5	4	4	4*
0170	-	-	-	-	1	-	1	1	1	1	2	1	1	2	2-3	2	2-3	2-3	3	3-4
0200	1	-	1-2	-	-	1	1	1	1/0	1	1	1	1	2	-	-	-	-	-	2-3
0280	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3*	3	-	3
0300	4	-	4	-	4	-	4	3-4	3-4	-	-	-	-	-	-	-	-	-	-	-
0400	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0420	-	-	-	-	-	-	-	-	3-4	-	-	-	3-4	3-4	3-4	4	3-4	3-4	3-4	3-4
0450	-	-	-	-	-	-	4	4	4	-	-	-	3-4	-	-	-	-	-	-	-
0500	5	-	4-5	-	5	4-5	3-4	3-4	3-4	-	5	-	4	3-4	3-4	3-4	4	4	4	4
0600	-	-	-	-	-	4	4	3-4	3-4	-	-	-	3-4	3-4	3-4	3-4	3-4	4	4	4
0700	5	-	5	-	-	4	4-5	3-4	3-4	-	-	-	3-4	-	-	-	-	-	-	-
0800	5	-	5	-	-	4	4	4	4	-	-	-	4	3-4	4	4	4	4	4	4
0810	-	-	-	-	-	-	-	-	1	-	-	-	3-4	-	-	-	-	-	-	-
0900	3-4	-	3-4	-	-	2-3	3	-	3	-	-	-	3	3	3	3	3	3	-	-
1000	4	-	4	-	-	3-4	-	3-4	4	-	-	-	3-4	3	3	3-4	3	3	3	3
1100	5	-	4-5	-	-	4	4	-	4	-	-	-	4	4	4	4	3-4	3-4	3-4	3-4
1200	5	-	5	-	-	4-5	4	-	4-5	-	-	-	4	3-4	4	3-4	3-4	3-4	3-4	3-4
1300	5	-	4-5	-	-	4	3-4	-	3-4	-	-	-	4	3-4	3-4	3-4	3-4	3-4	n/s	-
1400	5	4	-	4	5	-	4	-	4	-	-	-	4	4	4	4	4	4	-	-
1500	5	5	-	5	5	-	4	-	4	-	-	-	4	3-4	4	3-4	4	4	4	3-4
1790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	-	3-4	3-4
1800	4-5	4-5	-	4	4-5	-	4	-	3-4	-	-	-	4	3-4	3	-	-	-	-	-

Assessment: The Blackwater (Kells) River was in a generally unsatisfactory ecological condition at nine of the thirteen stations surveyed in 2012. A slight improvement to moderate ecological condition was noted at station 0170 (Lear Br) downstream of Baileboro. The macroinvertebrate fauna indicated an unwelcome decline from good to moderate ecological conditions at Donaghpatrick Bridge (1500) downstream of Kells & the Moynalty River confluence. The dominance of pollution tolerant macroinvertebrate taxa continues to indicate unsatisfactory ecological conditions in the Baileboro area (0170) and downstream (0200, 0280, 0420), downstream of Lough Ramor (1000, 1100, 1200) and downstream of Kells (1500) and at Navan (1790).

Hydrometric Area 07 (2012)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 2km NE of Bailieborough	269725	298169	35	CN
0170	just d/s Lear Br Drumbannon	267540	298104	35	CN
0200	Footbridge u/s Castle L	267057	298780	35	CN
0280	3rd Br d/s Castle L	265973	298103	35	CN
0300	Br at XRds SW (u/s) Castle L	265386	297966	35	CN
0400	Parker's Br	264676	297251	35	CN
0420	Br d/s Parker's Br	263602	296696	35	CN
0450	Br at Carricknaveagh	262394	293935	35	CN
0500	Br in Killinkere	261085	293566	35	CN
0600	Stramaquerty Br (nr Drumagolan)	259535	292018	35	CN
0700	Murmod Br (2km u/s Virginia)	0	0	35	CN
0800	Just u/s L Ramor (RHS)	260413	287071	35	CN
0810	Just u/s L Ramor (LHS)	260411	287059	35	CN
0900	Nine Eyes Bridge	263056	283388	35	CN
1000	Daly's Br	265306	280332	35	MH
1100	Br nr Carnaross	268635	277954	42	MH
1200	Mabe's Br	273697	277272	42	MH
1300	Sedenrath Br (Headford Br)	276335	275822	42	MH
1400	Bloomsberry Br (250m u/s)	279186	274042	42	MH
1500	Donaghpatrick Br	281941	272314	42	MH
1790	100m d/s New Bypass Br	286845	268194	42	MH
1800	Pollboy Br (Slane Rd) Navan	287182	268027	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	150	13	100	0	62	0	3	2	33	0	0
0170	136	25	100	0	74	0	2	3	21	0	0
0200	133	26	100	0	75	1	1	3	20	0	0
0280	131	40	100	0	74	3	1	2	14	3	2
0300	128	43	100	0	75	3	1	2	14	3	2
0400	121	47	100	0	76	3	1	2	14	3	3
0420	119	49	100	0	76	3	1	2	14	3	3
0450	111	57	100	0	78	2	1	2	12	2	3
0500	105	83	100	0	69	2	0	1	24	2	2
0600	101	110	100	0	75	1	0	1	18	1	3
0800	87	125	100	0	77	1	0	1	16	1	3
0810	84	125	100	0	77	1	0	1	16	1	3
0900	85	246	100	0	79	2	1	1	11	4	3
1000	80	282	97	3	81	2	0	1	10	3	2
1100	73	312	97	3	82	2	1	1	9	3	3
1200	57	335	96	4	82	2	1	1	10	3	2
1300	48	347	95	5	81	2	1	1	10	3	2
1400	45	547	82	18	81	1	1	1	12	2	2
1500	41	620	74	26	81	1	1	1	13	2	2
1790	31	712	72	28	77	1	1	1	16	2	2
1800	30	713	72	28	77	1	1	1	16	2	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (LONGWOOD)**

07/B/02

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 712 503

Date(s) Surveyed: 4/9/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0030	-	-	-	2-3	-	-	-	-	-	-	-
0050	-	-	-	2	3	-	-	-	-	-	-
0060	-	-	-	-	-	4	4	3	4	4	3
0070	-	-	-	3	4	-	-	-	-	-	-
0100	4	3-4	3-4	3-4	4	4	4	4	4	3-4	3-4
0200	-	4	3-4	3-4	3-4	3-4	3	3	4	3	n/s
0300	-	4	3-4	4	-	-	-	-	-	-	3-4
0400	4-5	4	3-4	3-4	3-4	3-4	3-4	3-4	-	-	-
0500	-	4-5	4	4	-	-	-	-	-	-	-
0600	4	5	4	4-5	4	3-4	3-4	3-4	3-4	4	3-4

Assessment: The dominance of pollution tolerant and paucity of pollution sensitive macroinvertebrate taxa indicated unsatisfactory ecological conditions at all sites surveyed on the Blackwater (Longwood) River in September 2012. Enriched conditions were evident with enhanced macrophyte growth noted downstream of Johnstown at Longwood (0300) and in the lower reaches (0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br nr Gilltown	0	0	49	KE
0050	Br nr Derrycrib	281660	234270	49	KE
0060	Br S of Hortland	281194	236178	49	KE
0070	Br N of Hortland	0	0	49	
0100	Br at Johnstown	276636	239935	49	MH
0200	Blackwater Br	273771	242304	49	MH
0300	Br ESE of Longwood	272158	245226	49	MH
0400	Br NE of Longwood	272132	246468	49	MH
0500	Castlerickard Br	0	0	49	
0600	Br u/s Boyne R confl	271288	250088	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	72	51	0	100	43	4	33	0	11	0	9
0100	68	125	0	100	65	4	15	1	11	0	4
0200	66	142	0	100	67	3	13	1	12	0	4
0400	63	184	0	100	69	2	11	1	14	0	3
0600	61	197	0	100	70	2	10	1	14	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BOYCETOWN**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 833 564
 Date(s) Surveyed: 6/6/2012

07/B/03
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	-	-	-	-	-	-	-	-	-	3
0200	-	3	3	3-4	3-4	3	3	3*	3-4	3-4*	3
0300	4	3-4	4	4	3-4	3	3	3*	4	3-4	3-4

Assessment: The Boycetown River was in an unsatisfactory ecological condition when surveyed in 2012. The complete lack of sensitive macroinvertebrate fauna indicated unsatisfactory poor ecological conditions at Derrypatrick Bridge (0100) and at Boycetown Bridge (0200). Excessive siltation was noted at both stations. Enriched conditions were also evident at Scurlockstown (0300), where the macroinvertebrate fauna indicated unsatisfactory moderate ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Derrypatrick Br	288702	251397	42	MH
0200	Boycetown Br. (Br. N Martinstown)	287220	253489	42	MH
0300	Scurlockstown Br	283237	256131	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	71	21	0	100	71	0	0	0	29	0	0
0300	51	34	0	100	74	0	0	0	26	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BOYNE**

07/B/04

Tributary of :

OS Catchment No: 159

OS Grid Ref of Confluence: O 091 751

Date(s) Surveyed: 10/10/2012, 14/8/2012, 22/8/2012, 23/8/2012

Station Nos.	Biological Quality Ratings (Q Values)																			
	1971	1973	1974	1975	1977	1979	1981	1986	1990	1994	1997	2000	2003	2004	2005	2006	2007	2008	2009	2012
0100	4-5	-	-	-	-	-	3-4	4	4	-	3	3-4	3	-	-	-	-	-	-	-
0160	-	4-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0200	2-3	3-4	-	3-4	3	4	4	4	3	4	2-3	3-4	3	-	-	4	-	-	4	3-4
0300	2-3	2-3	-	2	1-2	2-3	4	4	-	3	2	1-2	3	-	-	3-4	-	-	3-4*	3-4
0400	4-5	3	-	-	4-5	4	4	4	4	4	3	3	4	-	-	4	-	-	4	4
0500	-	-	-	-	4-5	-	4	-	4	-	-	-	-	-	-	-	-	-	-	-
0600	4-5	-	4	-	4	4	4	4-5	4	4	3-4	3	3	-	-	3-4	-	-	3-4	3-4
0700	-	-	-	-	-	-	3-4	4	3-4	-	-	-	-	-	-	-	-	-	-	-
0800	4-5	-	3	-	-	4	4-5	4-5	4	4	3-4	3-4	4	-	-	4	-	-	4-5	4
0900	5	-	3-4	-	-	4-5	5	5	4	4	4	4	3-4	-	-	4	-	-	-	3-4
1000	5	-	4	-	-	4	5	5	3-4	3-4	4	3-4	4	-	-	4	-	-	4	4
1100	5	-	-	-	-	3-4	4	4	3-4	-	-	-	-	-	-	-	-	-	-	-
1200	-	-	4-5	-	-	-	4	4-5	3-4	3-4	4	3-4	3-4	-	-	4	-	-	3-4	3-4
1300	4-5	-	-	-	-	3-4	4	4	3-4	-	-	-	-	-	-	-	-	-	-	-
1400	-	-	4	-	-	3-4	3-4	4	3-4	3-4	3	3	3-4	-	-	4	-	-	3-4	3-4
1500	5	-	4-5	-	-	4-5	5	4	3-4	3-4	3-4	3-4	3-4	-	-	3-4	-	-	3-4*	3-4
1600	-	-	-	-	-	-	4	4-5	3-4	3-4	3-4	3-4	3-4	-	-	-	-	-	-	-
1700	5	-	4	-	-	3-4	4	4-5	3-4	-	-	-	-	-	-	3-4	-	-	3-4	3-4
1800	-	-	-	-	-	4	4-5	4-5	3-4	3-4	3-4	3-4	3-4	-	-	-	-	-	-	-
1900	4	4	-	4	3-4	3	3-4	4	2-3	3	2-3	3-4	3-4	-	-	-	-	-	-	-
2000	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	4	3-4	3-4	3	3-4	3-4	-	-	3-4	-	-	3-4	4
2100	4-5	4-5	-	4	4	4	4-5	4	4	3-4	3	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4	4
2150	-	-	-	-	-	-	-	-	4-5	3-4	3-4	4	3-4	-	-	3-4	-	-	4	4
2200	5	4-5	-	3-4	4	4	4	4	-	-	3-4	3-4	3-4	-	-	3-4	-	-	3-4	3-4

Assessment: The majority of the fifteen stations surveyed on the Boyne River remain in an unsatisfactory ecological condition in 2012. The macroinvertebrate fauna indicated satisfactory ecological conditions at six of the stations examined. An unwelcome decline in ecological condition was noted at three stations. The macroinvertebrate fauna indicated a decline from good to moderate ecological conditions in the upper reaches at Boyne Bridge (0200) and at Scarriff Bridge (0900) and a decline from high to good ecological conditions at Inchamore Bridge (0800). A welcome improvement from moderate to good ecological conditions was noted downstream of Broadboyne Bridge (2010). Unsatisfactory ecological conditions continue downstream of Edenderry (0300), at Ashfield Bridge downstream of the Glash River confluence (0600), downstream of the Blackwater (Longwood) confluence (0900), at Trim and downstream (1200, 1400), at Bective Bridge downstream of the Knightsbrook and Boycetown confluences (1500), Kilcarn Old Bridge, downstream of the Clady and Skane river confluences (1700) and at Obelisk Bridge, upstream of Drogheda (2200).

Hydrometric Area 07 (2012)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	River Br	266855	232768	49	KE
0160	Kishawanny Br	264567	233456	49	OF
0200	Boyne Br	263605	234529	49	OF
0300	Kinnafad Br	261428	235002	49	OF
0400	Ballyboggan Br	263807	240222	49	MH
0500	Leinster Br	266554	243756	49	MH
0600	Ashfield Br	268374	244832	49	MH
0700	Stonyford Br	268939	247361	49	MH
0800	Inchamore Br	271089	250000	42	MH
0900	Scarriff Br	273445	252734	42	MH
1000	Derrinydaly Br	276708	253872	42	MH
1100	D/s Athboy R confl	0	0	42	MH
1200	West Br Trim	279790	257004	42	MH
1300	Newtown Trim Br	281648	256859	42	MH
1400	u/s Knightsbrook R confl (RHS)	282514	256693	42	MH
1500	Bective Br	286038	259705	42	MH
1600	Ballinter Br	289519	262675	42	MH
1700	Kilcarn Old Bridge	288535	265524	42	MH
1800	Railway Br Navan	287430	267428	42	MH
1900	2km d/s Navan (LHS)	288493	269122	42	MH
2000	Broadboyne Br	291863	271315	42	MH
2010	d/s Broadboyne Br (RHS)	292440	271435	43	MH
2100	Slane Br	296414	273631	43	MH
2150	Ford S of Broc Ho	300003	271834	43	MH
2200	Obelisk Br	304510	276200	43	MH

Hydrometric Area 07 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	71	21	0	100	70	1	8	3	18	0	0
0160	67	46	0	100	59	2	15	3	17	0	3
0200	66	60	0	100	63	2	12	4	16	0	3
0300	66	78	0	100	66	2	10	5	15	0	2
0400	65	304	0	100	62	3	18	2	10	0	5
0500	65	327	0	100	64	3	17	2	10	0	5
0600	64	436	0	100	67	2	15	2	11	0	4
0700	63	446	0	100	67	2	14	2	10	0	4
0800	61	737	1	99	72	2	11	1	9	1	5
0900	59	965	1	99	72	2	10	1	10	1	4
1000	56	1162	0	100	72	2	10	1	10	1	4
1200	50	1362	2	98	72	2	9	1	12	0	4
1300	49	1371	2	98	72	2	9	1	12	0	4
1400	48	1372	2	98	72	2	9	1	12	0	4
1500	43	1491	1	99	72	2	8	1	13	0	3
1600	37	1576	1	99	72	2	8	1	14	0	3
1700	33	1675	1	99	71	2	7	1	15	0	3
1800	31	1685	1	99	71	2	7	1	15	0	3
1900	27	2415	22	78	73	2	5	2	15	1	3
2000	23	2428	22	78	73	2	5	2	16	1	3
2010	21	2430	22	78	73	2	5	2	16	1	3
2100	13	2486	23	77	73	2	5	2	16	1	3
2150	8	2495	23	77	73	2	5	2	16	1	3
2200	2	2619	25	75	73	2	5	1	16	1	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CASTLEJORDAN**
 Tributary of : 07Y02 YELLOW (CASTLEJORDAN)
 OS Grid Ref of Confluence: N 592 378
 Date(s) Surveyed: 13/9/2012, 14/9/2012

07/C/04
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	3	-	-	-	-	-	-	-
0040	-	-	-	-	-	-	-	-	-	-	3
0050	-	-	-	-	-	-	-	-	2-3	3	n/s
0060	-	-	-	3-4	2-3	2-3	3	-	-	-	-
0100	-	4-5	3-4	4	3-4	3-4	4	3	3-4	3-4	3-4
0190	-	-	-	4	3-4	3-4	4	3	4	4	4
0200	4-5	4	3-4	-	-	-	-	-	-	-	-

Assessment: The complete lack of sensitive macroinvertebrate fauna, dominance of pollution tolerant species, abundant instream macrophyte growth and excessive siltation indicated unsatisfactory poor ecological conditions in the upper reaches (0040) of the Castlejordan river in September 2012. The dominance of pollution tolerant macroinvertebrate species and abundant macrophyte growth continues to indicate moderate ecological conditions at Baltinoran Bridge (0100). Good ecological conditions persist in the lower reaches (0190) however calcification and compaction of the substratum was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Mongagh Br	0	0	48	WH
0040	Br SE of Rochfortbridge	246931	240271	49	WH
0050	Br to SW of Rahinine	247273	240476	48	WH
0060	SE of Rahinine	247546	240452	48	MH
0100	Baltinoran Br	255347	240809	49	OF
0190	Castlejordan Br	259054	238765	49	MH
0200	0.5km d/s Castlejordan Br	0	0	49	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	81	25	0	100	82	0	5	2	8	0	4
0100	73	91	0	100	56	2	27	0	6	0	7
0190	69	106	0	100	59	2	24	1	7	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CHAPEL LAKE STREAM**

07/C/05

Tributary of : 07B01 BLACKWATER (KELLS)

OS Catchment No: 159

OS Grid Ref of Confluence: N 614 945

Date(s) Surveyed: 27/6/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2012
0400	-	-	4	4	-	-	-
0700	3	4	4	4	4-5	4	4-5

Assessment: The macroinvertebrate fauna indicated high ecological conditions in the lower reaches (0700) of the Chapel lake stream in June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br E of Drumanespick	262734	298537	35	CN
0700	Br u/s Blackwater R confl	261581	295009	35	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	145	3	100	0	43	0	0	0	57	0	0
0700	108	24	100	0	43	0	0	0	56	1	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLADY (MEATH)**

07/C/01

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 858 609

Date(s) Surveyed: 12/6/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1983	1985	1987	1988	1989	1990	2009	2012
0100	-	2	2	2	2	2-3	2	2-3	-
0200	3	2	2-3	3	3	-	2-3	3	3
0300	3-4	3-4	3	-	-	-	3	-	-

Assessment: The dominance of pollution tolerant macroinvertebrate taxa and complete lack of pollution sensitive taxa indicated poor ecological conditions on the Clady (Meath) River in June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dunderry Br	281225	262610	42	MH
0200	Br nr Ballybrigh Ho	284033	260265	42	MH
0300	Br u/s Boyne R confl	285600	260800	42	MH

River and Code : **CROSS WATER**

07/C/02

Tributary of : 07B01 BLACKWATER (KELLS)

OS Catchment No: 159

OS Grid Ref of Confluence: N 617 665

Date(s) Surveyed: 29/8/2012

Biological Quality Ratings (Q Values)

Station Nos.

2012

0930

3-4*

Assessment: The dominance of pollution tolerant macroinvertebrate fauna, excessive instream siltation and enhanced algal growth indicated unsatisfactory moderate ecological conditions on the lower reaches of the Cross Water River in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0930	Br u/s Blackwater (Kells) rv conflu	263644	281007	35	MH

River and Code : **CROSSKEYS STREAM**

07/C/07

Tributary of : 07S02 STONYFORD

OS Catchment No: 159

OS Grid Ref of Confluence:

Date(s) Surveyed: 6/9/2012

Formerly Stonyford 07S02 West Branch

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0045	-	4-5	3-4	3-4	-	-	-	-
0055	4	4-5	3-4	3-4	3-4	4	3-4	3-4

Assessment: The paucity of pollution sensitive macroinvertebrate taxa indicated unsatisfactory moderate ecological conditions at Graelty's Bridge (0055) on the Crosskeys Stream in September 2012. Enriched conditions were observed with abundant macrophyte and algal growth and excessive siltation of the instream substratum noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0045	Br NW of Geehanstown	258780	269580	42	MH
0055	Curlingford (or Graelty's) Br	261278	267078	42	MH

River and Code : **D'ARCY'S CROSSROADS STREAM** **07/D/06**
 Tributary of : 07S02 STONYFORD OS Catchment No: 159
 OS Grid Ref of Confluence: N 617 665
 Date(s) Surveyed: 6/9/2012

Formerly Stonyford 07S02 East Branch

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0015	-	4-5	3	3	-	-	-	-
0030	4	3-4	3	3-4	3-4	3	3-4	3

Assessment: The complete lack of pollution sensitive macroinvertebrate species, abundant instream macrophyte growth and excessive instream siltation indicated poor ecological conditions at Snipe Bridge (0030) in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br N of Boherard	262030	270330	42	MH
0030	Snipe's Br	262370	267300	42	MH

River and Code : **DEEL (RAHARNEY)**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 695 496
 Date(s) Surveyed: 4/9/2012, 5/9/2012, 6/9/2012

07/D/01
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1976	1978	1982	1985	1990	1994	1997	2000	2003	2006	2009	2012
0040	-	-	-	-	-	4-5	4	3-4	4	3-4	3-4	3-4	3-4
0060	-	-	-	-	-	4-5	-	-	-	-	-	-	-
0070	-	-	-	-	-	4	4	4-5	4	3-4	3-4	4	4*
0090	-	-	-	-	-	3	3-4	4	3-4	3-4	-	-	-
0100	-	-	-	3-4	3-4	4-5	-	-	-	-	-	-	-
0200	5	4-5	4-5	4	4-5	4-5	3-4	3-4	3-4	3-4	3-4	3-4	3-4
0300	-	5	4-5	4-5	4-5	4	3-4	3-4	3-4	3	3-4	3-4	3-4
0400	5	4	4-5	4-5	5	3-4	3-4	3-4	3-4	3-4	4	3-4	3-4
0500	-	-	-	4-5	4-5	4	-	-	-	-	-	-	-
0600	5	4	4	4-5	4-5	4-5	4	3-4	4	3-4	4	3-4	3-4

Assessment: The Deel (Raharney) River was in an unsatisfactory ecological condition at five of the six stations surveyed in 2012. The macroinvertebrate fauna indicated satisfactory ecological conditions near Mabestown (0070) and just upstream of the Boyne River confluence (0600) however signs of enrichment were evident with abundant algal & plant growth. The lack of sensitive macroinvertebrate fauna and dominance of pollution tolerant taxa, abundant plant and or algal growth coupled with compaction and calcification of the substratum and excessive siltation indicated moderate ecological conditions at the remaining five stations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s Lough Adeel	254280	268320	42	MH
0060	Br W of Slievedoo	0	0	42	WH
0070	Br W of Mabestown	255836	265448	42	MH
0090	E Br u/s Lough Analla	256442	262515	42	MH
0100	Ballynacor Br (u/s Cummer Br)	0	0	42	WH
0200	Cummer Br	258463	257653	42	MH
0300	Raharney Br	260104	252985	42	MH
0400	Inan Br	263385	250390	42	MH
0500	Clondalee Br	0	0	49	MH
0600	Br u/s Boyne R confl	269102	249317	49	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	92	34	0	100	67	0	0	1	8	18	6
0070	83	49	0	100	76	0	0	1	6	13	4
0090	79	70	0	100	77	2	2	0	6	9	4
0200	76	96	0	100	80	1	2	1	6	6	4
0300	71	141	4	96	84	1	2	0	5	4	3
0400	67	250	2	98	80	2	4	1	6	2	5
0600	64	285	2	98	79	2	5	1	6	2	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEVLIN'S**
 Tributary of : 07M01 MATTOCK
 OS Grid Ref of Confluence: O 001 763
 Date(s) Surveyed: 13/6/2012

07/D/02
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4	3/0	-	-	-	-	-	-	-	-
0120	-	-	-	4	-	-	-	-	-	-	-
0140	-	-	-	-	3-4	2/0	3	3-4*	4	3	3-4*
0200	4-5	4-5	3/0	4	-	-	-	-	-	-	-
0300	-	4	4	-	3-4	3	3-4	3-4	3-4	n/s	4

Assessment: The macroinvertebrate fauna indicated a slight improvement in the upper reaches (0140) of the Devlins River in June 2012 however unsatisfactory moderate ecological conditions persist. The macroinvertebrate fauna indicated good ecological conditions in the lower reaches however signs of some enrichment were still evident with excessive siltation and the presence of algae noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Creewood	0	0	43	MH
0120	White Island Br (at Crossane)	0	0	43	MH
0140	Br S of Grange X-Rds	295524	278502	43	MH
0200	Devlin's Br	0	0	43	MH
0300	Ford u/s Mattock R confl	300127	276333	43	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0140	76	11	97	3	83	0	0	0	17	0	0
0300	37	22	98	2	87	0	0	0	13	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASH**

07/G/02

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 667 423

Date(s) Surveyed: 4/9/2012, 14/8/2012, 15/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	-	-	-	-	-	-	-	3*
0300	-	-	-	-	-	-	-	3
0400	-	3	3	3-4	3*	3	-	3
0500	3-4	-	-	-	-	-	-	-
0600	4	3-4	3	3-4	3	3	3	3

Assessment: The dominance of pollution tolerant macroinvertebrate taxa, complete lack of pollution sensitive taxa and excessive instream siltation continues to indicate unsatisfactory poor ecological conditions at all stations surveyed on the Glash River in 2012. Excessive peat siltation of the instream substratum was noted in particular near Calfstown (0200) and at Clonuff Bridge (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NW of Calfstown	269283	238275	49	KE
0300	Br at Tanderagee crossroads	269578	239296	49	KE
0400	Clonuff Br	269059	240886	49	KE
0500	Br nr Broadford	0	0	49	KE
0600	Br u/s Boyne R confl	266961	243485	49	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	75	15	0	100	60	0	19	2	18	0	0
0600	66	31	0	100	65	1	14	1	19	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KINNEGAD**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 678 446
 Date(s) Surveyed: 13/9/2012, 14/9/2012

07/K/01
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)												
	1976	1978	1981	1983	1985	1990	1994	1997	2000	2003	2006	2009	2012
0040	-	-	-	-	-	4	-	-	-	-	-	-	-
0060	-	-	-	-	-	3-4	2-3	3	3-4	3-4*	3-4	4*	3-4
0100	1-2	1	3	3	3	1	3-4	3-4	3	3*	3-4	-	3-4
0200	-	-	3	3-4	3	3	-	-	-	-	-	3-4	3-4
0300	2	1	4-5	3-4	3	3-4	3-4	3	3	3-4	4	-	4

Assessment: The dominance of pollution tolerant macroinvertebrate fauna and paucity of sensitive species indicated moderate ecological conditions at three of the four stations surveyed on the Kinnegad River in 2012. Enriched conditions were evident with luxuriant instream plant growth observed. The macroinvertebrate fauna indicated good ecological conditions at Clonard Bridge (0300) although abundant plant growth was also noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br NE of Eskertown	0	0	49	WH
0060	Br SE of Cloonfad Ho	255729	244371	49	MH
0100	Ballivor Rd Br Kinnegad	260303	245270	49	MH
0200	Kilwarden Br	262260	246075	49	MH
0300	Clonard Br	265731	244909	49	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	76	25	0	100	73	4	3	0	20	0	0
0100	70	43	0	100	75	2	7	2	12	0	1
0300	67	70	0	100	78	2	6	2	10	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNIGHTSBROOK**

07/K/02

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 829 564

Date(s) Surveyed: 12/6/2012, 20/9/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	3-4	3	-	3	-	-	-	-	-	-
0200	-	4	3	-	-	-	-	-	-	-	-
0300	-	3-4	3	3	3	3	2-3	2-3	2-3	2-3	3
0360	-	-	-	-	3-4	3-4	3	4	-	-	-
0400	4	3-4	3-4	3-4	-	-	-	-	4	3-4	4
0500	4	4	4	3-4	4	4	3	3-4	3-4	-	3

Assessment: The dominance of pollution tolerant macroinvertebrate fauna indicated poor ecological conditions at Dangan Bridge (0300) and upstream of the Boyne River confluence (0500), excessive siltation and abundant algal growth was also observed. The macroinvertebrate fauna indicated good ecological conditions near Laracor (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Moynalvy Br	0	0	49	MH
0200	Clonmeath Br	0	0	49	MH
0300	Dangan Br	283265	250874	42	MH
0360	Br nr Summerstown Ho	280346	252154	42	MH
0400	Br nr Laracor	280686	253826	42	MH
0500	Br u/s Boyne R confl	282990	256345	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	72	42	0	100	86	3	0	1	7	0	2
0360	64	54	0	100	81	2	0	1	13	0	2
0500	48	71	0	100	79	2	0	1	17	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LISLEA**
 Tributary of :
 OS Grid Ref of Confluence: N 622 862
 Date(s) Surveyed: 29/8/2012

07/L/01
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1988	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory in 2012, although some signs of enrichment were evident with enhanced macroalgal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Lough Ramor	262295	286204	35	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	89	29	100	0	85	4	1	0	4	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MATTOCK**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: O 037 757
 Date(s) Surveyed: 13/6/2012

07/M/01
 OS Catchment No: 159

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	-	-	-	-	-	5
0050	-	-	-	4	4	3-4	3-4	3-4*	3-4	-	3-4
0100	-	4-5	4	3	3-4	3	3-4	3-4*	3-4	4	4*
0200	5	4-5	4-5	4-5	3-4	3-4	4	4	3-4	3-4	3-4
0220	-	-	-	-	-	-	-	-	-	3-4	4
0250	-	4	4	3	-	-	-	-	-	-	-
0300	-	5	4-5	-	3-4	4	3	-	4	-	-

Assessment: Satisfactory ecological conditions were noted at three of the five sites surveyed on the Mattock River in June 2012. The high diversity of pollution sensitive macroinvertebrate taxa indicated high ecological conditions in the upper reaches at Phoenixtown Bridge (0020) while good ecological conditions persist at Boyd's Bridge (0100) however excessive siltation was evident. Unsatisfactory moderate ecological conditions were noted at Collon (0050) and at Woodmill Bridge (0200). Good ecological conditions were noted in the lower reaches just downstream of the Devlin's river confluence (0220) however signs of enrichment were evident with excessive siltation and algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Phoenixtown Br	296037	280727	36	MH
0050	Slane Rd Br Collon	299751	281708	36	LH
0100	Boyd's Br	301855	280761	36	MH
0200	Wood Mill Br (u/s Devlins R Confl)	300458	276919	43	MH
0220	Ford at Devlins rv conflu	300138	276301	43	MH
0250	Mattock Br	0	0	43	MH
0300	New Br u/s Boyne R confl	303686	275639	43	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	N/A	0	0	0	0	0	0	0	0	0	0
0050	105	11	98	2	85	1	0	1	13	0	0
0100	85	17	99	1	87	1	0	2	11	0	0
0200	44	41	100	0	82	0	0	2	16	0	0
0300	5	81	88	12	82	1	0	1	16	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MILLTOWNPASS**
 Tributary of : 07C04 CASTLEJORDAN
 OS Grid Ref of Confluence: N 530 420
 Date(s) Surveyed: 13/9/2012

07/M/04
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2012
0400	3-4	3-4	3	3	3	3-4	3

Assessment: The complete lack of pollution sensitive macroinvertebrate taxa and dominance of pollution tolerant taxa indicated poor ecological conditions in Milltownpass (0400) in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br in Milltownpass	250184	243724	48	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	84	13	0	100	93	1	2	0	2	0	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MOYNALTY**

07/M/03

Tributary of : 07B01 BLACKWATER (KELLS)

OS Catchment No: 159

OS Grid Ref of Confluence: N 787 742

Date(s) Surveyed: 11/10/2012, 21/9/2012, 27/6/2012, 27/9/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1978	1980	1984	1986	1990	1994	1997	2000	2003	2006	2009	2012
0015	-	-	-	-	-	3-4	-	-	-	-	-	-	-
0020	-	-	-	-	-	1	2-3	-	-	-	-	-	-
0050	-	-	-	-	-	4	4	3	3-4	3-4	-	-	-
0060	-	-	-	-	-	3	-	-	-	-	-	-	-
0070	-	-	-	-	-	3	3	3-4	3	4	3-4	3-4*	4
0085	-	-	-	-	-	4-5	-	-	-	-	-	-	-
0090	-	-	-	-	-	-	3	4	3-4	4	-	-	-
0100	-	5	3-4	4	3-4	3	-	-	-	-	3-4	-	3-4
0200	-	-	3-4	3-4	3	3-4	-	-	-	-	3-4	-	3-4
0300	-	4	3-4	3-4	3-4	3-4	3-4	3	3	3-4	3-4	3-4	3
0500	-	4-5	3-4	3-4	4	3-4	-	-	-	-	-	-	-
0600	-	4-5	3-4	-	3-4	3-4	4	3-4	3-4	3-4	3-4	3-4	3
0700	-	-	-	4	3-4	3-4	-	-	-	-	-	-	-
0800	-	-	4	-	4	4	4	3-4	3	3-4	4	4	3
0900	5	3-4	4	-	4	-	4	4	3	3-4	4	4	3

Assessment: The Moynalty River was in an unsatisfactory ecological condition when surveyed in 2012. Good ecological conditions persist in the upper reaches (0070) however some signs of enrichment were evident with enhanced macrophyte and algal growth. The paucity of sensitive macroinvertebrate fauna continues to indicate moderate ecological conditions at Rathbourne's Br. (also known as Annesbrooke Bridge) (0100) and Rosehill Bridge (0200). The complete lack of pollution sensitive macroinvertebrate fauna indicated an unwelcome decline from moderate to poor ecological conditions at Mullagh Bridge (0300). The complete lack of any sensitive macroinvertebrate species coupled with dominance of pollution tolerant leeches and worms indicated a significant decline to poor ecological conditions at Moynalty Bridge (0600), Carlanstown Bridge (0800) and at Fryanstown Bridge (0900).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	100 m d/s 3rd Br d/s Chapel L	0	0	35	CN
0020	Br N of Greaghamale	0	0	35	CN
0050	Br nr Lurganbane	269219	295381	35	CN
0060	Br E of Wilton Ho	0	0	35	CN
0070	Cloggagh Br	267572	291639	35	MH
0085	Br u/s Skearke Br	0	0	35	MH
0090	Skearke Br	269016	287986	35	MH
0100	Rathbourne's Br	270228	287014	35	MH
0200	Rosehill Br	271636	285052	35	MH
0300	Mullagh Br	271112	284107	35	MH
0500	Br nr Shancarnan Ho	0	0	35	MH
0600	Moynalty Br	273499	282537	35	MH
0700	Br nr Mahonstown	0	0	35	MH
0800	Carlanstown Br	276484	279242	42	MH
0900	Fryanstown Br	279048	275738	42	MH

Hydrometric Area 07 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	140	8	100	0	80	0	4	0	3	0	13
0070	121	26	100	0	89	0	1	0	4	0	5
0090	100	35	100	0	91	0	1	0	3	0	5
0100	96	50	100	0	92	0	1	0	3	0	4
0300	88	72	100	0	94	0	0	0	2	0	3
0600	73	83	98	2	93	0	0	1	3	0	2
0800	57	121	85	15	90	0	0	1	7	0	2
0900	49	188	61	39	83	0	0	0	14	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MULLAGH LOUGH STREAM** **07/M/06**
 Tributary of : 07M03 MOYNALTY OS Catchment No: 159
 OS Grid Ref of Confluence: N 710 840
 Date(s) Surveyed: 30/8/2012

Formerly Mullagh Branch of Moynalty 07M03

Station Nos.	Biological Quality Ratings (Q Values)											
	1978	1980	1984	1986	1990	1994	1997	2000	2003	2006	2009	2012
0400	3	3-4	3-4	3	3	3	3	3	3	3	3-4	3-4*

Assessment: The lack of sensitive macroinvertebrate taxa indicated continuing unsatisfactory moderate ecological conditions on the lower reaches of Mullagh Lough Stream in August 2012. Excessive siltation of the instream river bed was also noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Just u/s Moynalty R confl	270948	284142	35	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	87	78	100	0	93	0	0	1	3	1	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NADREEGEL LOUGH STREAM**

07/N/01

Tributary of :

OS Catchment No: 159

OS Grid Ref of Confluence: N 594 870

Date(s) Surveyed: 26/6/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1978	1980	1982	1984	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4-5	4-5	3-4	3-4	3-4	4-5	3-4	3-4	4	3-4*	4*
0200	4	4	4-5	4	3	3	3	4	3-4	4	-	-
0300	3-4	3-4	3	3-4	-	-	-	-	-	-	-	-
0400	3-4	4	3-4	4	3	-	-	-	-	-	-	-
0500	4	4	3-4	4	3-4	3-4	3-4	3-4	3-4	3-4	4	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions at the two stations surveyed on the Nadreegeel Lough Stream in June 2012 however some signs of enrichment were evident with excessive siltation noted at both stations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Assan Br	255351	296117	35	CN
0200	Billis Br	256152	293392	35	CN
0300	Footbridge d/s Billis Br	0	0	35	CN
0400	Br SW of Lisgrey X-Rds	0	0	35	CN
0500	Drumacory Br	259039	288042	35	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	110	15	100	0	76	0	4	0	20	0	0
0200	100	23	100	0	84	0	3	0	13	0	0
0500	91	46	100	0	87	0	1	0	9	1	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RIVERSTOWN**

07/R/01

Tributary of : 07D01 DEEL (RAHARNEY)

OS Catchment No: 159

OS Grid Ref of Confluence: N 607 515

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0060	-	-	-	-	3	-	-	-	-	-	-
0090	-	-	-	-	4	4	4	3	3-4	3-4	3-4*
0100	-	3	4-5	3	3-4	3-4	3	3	-	-	-
0200	4-5	4	4-5	3-4	3-4	3	3	3	3-4	3-4	3-4*

Assessment: The dominance of pollution tolerant macroinvertebrate taxa continues to indicate unsatisfactory ecological conditions at the two stations surveyed on the Riverstown stream in September 2012. Signs of enrichment were evident with enhanced instream plant growth and excessive siltation observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br S of Derreenavagh	0	0	48	WH
0090	Br nr Knockmant	252845	250360	42	MH
0100	Riverstown Br	256526	250823	42	MH
0200	Br u/s Deel R confl	259120	250609	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	81	67	0	100	71	5	6	1	5	0	13
0200	72	76	0	100	71	5	5	1	7	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ROCHFORTBRIDGE STREAM** **07/R/04**
 Tributary of : 07C04 CASTLEJORDAN OS Catchment No: 159
 OS Grid Ref of Confluence: N 470 404
 Date(s) Surveyed: 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2012
0300	3	4	3-4	3	3	3	3-4

Assessment: The paucity of pollution sensitive macroinvertebrate taxa indicated moderate ecological conditions on the Rochfortbridge Stream in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br SE of Derry	246414	241558	48	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	81	15	0	100	80	0	8	0	10	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SKANE**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 871 613
 Date(s) Surveyed: 12/6/2012

07/S/01
 OS Catchment No: 159

Biological Quality Ratings (Q Values)

Station Nos.	1979	1981	1983	1985	1987	1988	1989	1990	1991	1994	1997	2000	2003	2006	2009	2012
0100	3-4	3-4	2-3	2-3	3	-	-	2-3	-	-	-	-	-	-	-	-
0150	-	-	-	-	-	-	-	3-4	-	3	2-3	2-3	2-3	3	-	-
0200	1	3	3	2	2	2	2	2	2	-	-	-	-	-	-	-
0300	-	-	3	2-3	2	-	2	2	2	2-3	2-3	3	2-3	3	3	3
0400	-	-	4	2-3	-	-	-	2-3	-	-	-	-	-	-	-	-
0500	-	-	4	3	-	-	-	-	-	-	-	-	-	-	-	-
0510	-	-	-	-	-	-	-	3	-	3	3	3	3-4	3-4	3*	3-4*
0600	3-4	3-4	3-4	3	-	-	-	3-4	-	3	3	3	3-4*	3-4	3	3-4

Assessment: The macroinvertebrate communities at all three stations surveyed on the River Skane indicated continuing unsatisfactory ecological conditions in June 2012. Poor ecological conditions persist in the upper reaches at Athronan Bridge (0300) while a slight improvement to moderate ecological conditions was noted downstream of Kilmessan (0510) and at Dowdstown Bridge (0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Drumree Br	2944910	251800	43	MH
0150	2 km d/s Drumree Br	293338	253207	43	MH
0200	Dunsany Br	290700	254653	42	MH
0300	Athronan Br	290252	255398	42	MH
0400	E Br Kilmessan	288703	257299	42	MH
0500	2.5 km d/s Kilmessan	0	0	42	MH
0510	Br NE of Balgeeth	289128	260094	42	MH
0600	Dowdstown Br	290379	262357	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	77	16	0	100	83	0	0	4	12	0	0
0300	67	38	0	100	64	2	0	2	32	0	0
0510	54	63	0	100	66	1	0	1	32	0	0
0600	43	87	0	100	64	1	0	2	34	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **STONYFORD**

07/S/02

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 737 531

Date(s) Surveyed: 6/9/2012, 7/9/2012, 30/8/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0065	-	-	-	-	-	-	3-4	3-4	4	-	4
0070	-	-	-	3-4	3-4	3-4	-	-	-	-	-
0075	-	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4
0080	-	-	-	3-4	4	3-4	-	-	-	-	-
0090	-	-	-	3-4	4	4	4	4	-	-	-
0100	-	4	4	-	-	-	-	-	-	3-4	3-4
0200	4-5	4	4	4	-	-	-	-	-	-	-
0300	-	4	4	4	4	4	4	4	-	-	-
0400	4-5	4	4	3-4	4	4	4	4	4	3-4	3-4

Assessment: The Stonyford River was in an unsatisfactory ecological condition at three of the four stations surveyed in 2012. Good ecological conditions persist in the upper reaches (0065) however signs of enrichment were evident with enhanced algal growth noted. The paucity of pollution sensitive macroinvertebrate fauna indicated moderate ecological conditions in the lower reaches (0075, 0100, 0400). Enriched conditions were evident at all stations with excessive siltation and enhanced macrophyte and or algal growth observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0065	Br SW of Ballinlough	262021	264277	42	MH
0070	Br SW of Clonmaskill	262106	262651	42	MH
0075	Stonestown Br	263808	261683	42	MH
0080	Lisclogher Br	265560	261141	42	MH
0090	Br u/s Rathkenna Br	267670	258150	42	MH
0100	Rathkenna Br	268299	257179	42	MH
0200	Earl's Br	0	0	42	MH
0300	Shanco Br	270865	254492	42	MH
0400	Stonyford Br	273137	253326	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0065	82	48	0	100	95	1	1	0	1	0	3
0070	79	57	0	100	94	0	1	1	2	0	2
0075	76	67	0	100	93	0	1	1	3	0	2
0080	72	88	0	100	90	0	1	1	4	0	3
0090	69	99	0	100	88	0	1	1	6	0	3
0100	68	103	0	100	87	0	1	1	8	0	3
0300	63	149	0	100	72	1	13	1	9	0	5
0400	61	152	0	100	72	1	13	1	9	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **YELLOW (BLACKWATER)**

07/Y/01

Tributary of : 07B01 BLACKWATER (KELLS)

OS Catchment No: 159

OS Grid Ref of Confluence: N 834 710

Date(s) Surveyed: 27/9/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1971	1990	1994	1997	2000	2003	2006	2009	2012
0900	-	4	-	-	-	-	-	-	-
1100	4-5	4	3-4	3	3	3	3	3	3

Assessment: The absence of pollution sensitive macroinvertebrate taxa indicated continuing unsatisfactory ecological conditions on the lower reaches (1100) of the Yellow (Blackwater) River in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0900	Moortown Br	284400	274600	42	MH
1100	Br u/s Blackwater R confl	283561	271093	42	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1100	41	51	93	7	47	1	0	1	49	1	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **YELLOW (CASTLEJORDAN)**

07/Y/02

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 612 372

Date(s) Surveyed: 12/9/2012, 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0060	-	-	-	-	4	4	4	3	-	-	-
0070	-	-	-	-	-	-	-	3	4	4	4
0100	-	3-4	4	3-4	4	3-4	3	3-4	3-4	3-4	3-4
0200	4-5	4-5	4	3-4	-	-	-	-	-	-	-
0300	4-5	4-5	4	4	4	4	4	4	4	4	4

Assessment: The Yellow (Castlejordan) River was in a satisfactory ecological condition in the upper (0070) and lower reaches (0300) in September 2012, however the dominance of pollution tolerant macroinvertebrate species indicated continuing unsatisfactory ecological conditions at Garr Bridge (0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Nr Derryarkin	247910	236210	48	OF
0070	Br d/s Big R confl	249710	236492	48	OF
0100	Garr Br	253177	236902	49	OF
0200	Sheep Br	0	0	49	OF
0300	Clongall Br	259439	237542	49	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	73	49	0	100	45	6	36	2	5	0	6
0300	68	179	0	100	59	3	24	1	7	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

ERBD: HYDROMETRIC AREA NO. 07

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Athboy	2012	07A01	0.0	15.1	14.9	0.0	0.0	30.0
Blackwater (Kells)	2012	07B01	0.0	18.4	35.1	10.6	0.0	64.0
Blackwater (Longwood)	2012	07B02	0.0	0.0	18.0	5.1	0.0	23.0
Boycetown	2012	07B03	0.0	0.0	3.3	5.8	0.0	9.0
Boyne	2012	07B04	0.0	52.5	41.5	0.0	0.0	94.0
Castlejordan	2012	07C04	0.0	3.5	7.4	6.2	0.0	17.0
Chapel Lake Stream	2012	07C05	6.0	0.0	0.0	0.0	0.0	6.0
Clady (Meath)	2012	07C01	0.0	0.0	0.0	13.0	0.0	13.0
Crosskeys Stream	2012	07C07	0.0	0.0	6.0	0.0	0.0	6.0
Cross Water	2012	07C02	0.0	0.0	6.5	0.0	0.0	6.5
D'Arcy's Crossroads Stream	2012	07D06	0.0	0.0	0.0	7.0	0.0	7.0
Deel (Raharney)	2012	07D01	0.0	13.5	20.5	0.0	0.0	34.0
Devlins	2012	07D02	0.0	3.0	4.6	0.0	0.0	7.5
Drumkeery Lough Stream	N/S	07D03	0.0	0.0	0.0	0.0	0.0	0.0
Glash	2012	07G02	0.0	0.0	0.0	5.0	0.0	5.0
Kinnegad	2012	07K01	0.0	4.1	12.9	0.0	0.0	17.0
Knightsbrook	2012	07K02	0.0	1.6	3.3	7.1	0.0	12.0
Lislea	2012	07L01	0.0	1.0	0.0	0.0	0.0	1.0
Mattock	2012	07M01	0.5	13.9	1.7	0.0	0.0	16.0
Milltownpass	2012	07M04	0.0	0.0	0.0	4.0	0.0	4.0
Moynalty	2012	07M03	0.0	12.8	4.0	17.7	0.0	34.5
Mullagh Lough Stream	2012	07M06	0.0	0.0	1.0	0.0	0.0	1.0
Nadreegeel Lough Stream	2012	07N01	0.0	11.5	0.0	0.0	0.0	11.5
Riverstown	2012	07R01	0.0	0.0	15.0	0.0	0.0	15.0
Rochfortbridge Stream	2012	07R04	0.0	0.0	2.0	0.0	0.0	2.0
Skane	2012	07S01	0.0	0.0	7.3	9.2	0.0	16.5
Stonyford	2012	07S02	0.0	6.5	15.0	0.0	0.0	21.5
Yellow (Blackwater)	2012	07Y01	0.0	0.0	0.0	2.5	0.0	2.5
Yellow (Castlejordan)	2012	07Y02	0.0	15.0	3.5	0.0	0.0	18.5
Total Length (km) surveyed this cycle			6.5	172.3	223.2	93.1	0.0	495.0
Adjustments (See below)*			6.0	0.0	8.5	4.0	0.0	18.5
Current Length (km) Adjusted	2012		0.5	172.3	214.7	89.1	0.0	476.5
Percentages			0.1	36.2	45.0	18.7	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline: Current Adjusted Status (km)	2012			172.8	214.7	89.1	0.0	476.5
Percentages				36.3	45.0	18.7	0.0	100.0
Baseline : Previous Unadjusted Status (km)**	2007-'09		15.8	188.5	207.0	65.3	0.0	476.5
Percentages			3.3	39.5	43.4	13.7	0.0	100.0
Changes since Previous Survey (km)			-15.3	-16.2	7.7	23.8	0.0	0.0

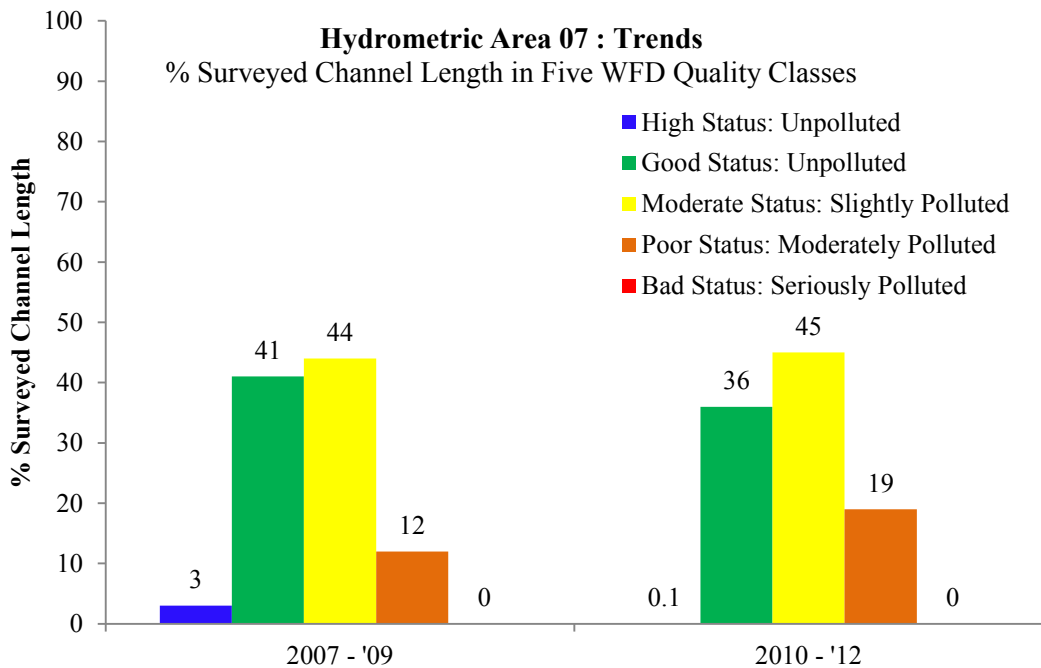
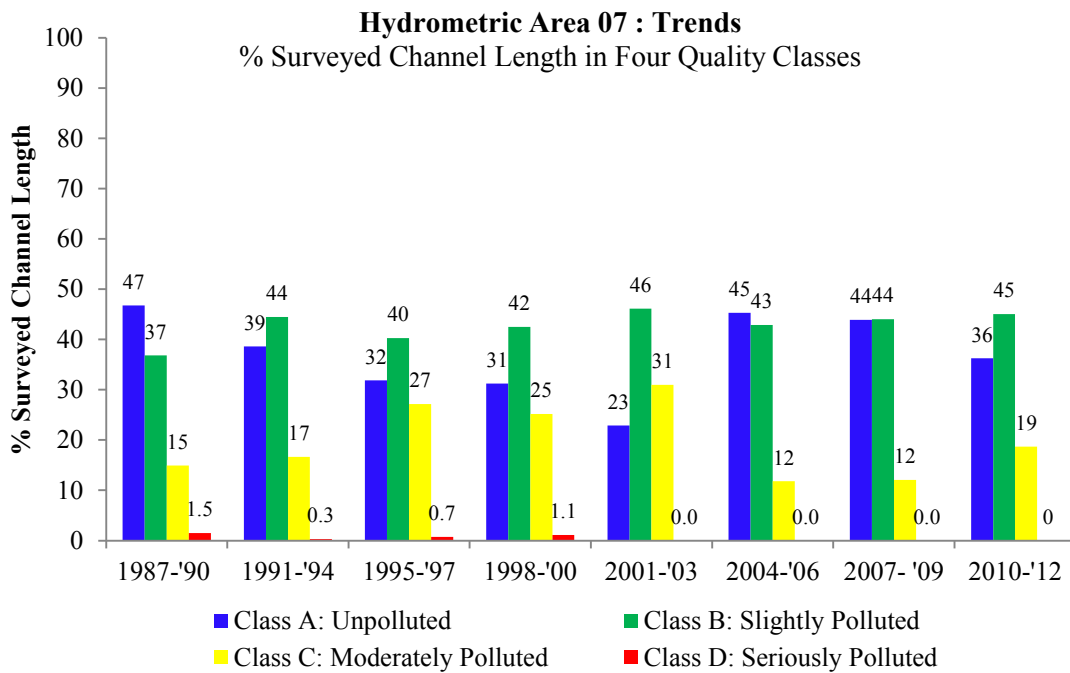
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Chapel Lake Stream (07C05), Cross Water (07C02), Milltownpass Stream (07M04) and Rochfortbridge Stream (07R04) added into the programme in 2012.

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	1	2
Good	24	26
Moderate	42	50
Poor	13	22
Bad	0	0
<hr/>		
Total number of sites surveyed	80	100
Total number of sites at unsatisfactory status	55	72



HYDROMETRIC AREA 10 (Avoca - Vartry)	
ASKANAGAP STREAM	10A06
AUGHRIM (WICKLOW)	10A02
AVOCA	10A03
AVONBEG	10A04
AVONMORE	10A05
BALLYCREEN BROOK	10B02
BALLYDUFF STREAM (WICKLOW)	10B01
BALLYMACAHARA	10B98
CARRICKMINES STREAM *	10C04
CLOGHOGE BROOK	10C01
COOLALUG STREAM	10C02
DARGLE	10D01
DERRY WATER	10D02
GLENCREE	10G01
GLENCULLEN	10G02
GLENDASAN	10G06
GLENEALO	10G05
GLENMACNASS	10G03
GOLD MINE	10G04
KILL OF THE GRANGE STREAM	10K02
KILMACANOGE	10K03
NEWCASTLE (WICKLOW)	10N01
NEWTOWNMOUNTKENNEDY	10N02
OW	10O01
POTTER'S	10P01
RATHNEW STREAM	10R02
REDCROSS	10R01
SHANGANAGH	10S01
TEMPLERAINY STREAM	10T04
THREE MILE WATER	10T01
VARTRY	10V01

* CARRICKMINES STREAM Previously reported as Shanganagh, Carrickmines Branch

River and Code : **ASKANAGAP STREAM**

10/A/06

Tributary of : 10D02 DERRY WATER

OS Catchment No: 171

OS Grid Ref of Confluence: T 057 766

Date(s) Surveyed: 5/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	-	-	-	-	-	-	-
0400	4	5	4-5	4-5	4-5	5	4-5	4-5

Assessment: Continuing high ecological conditions upstream of the Derry River confluence (0400) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br d/s Askanagap Br	306171	179734	62	WW
0400	Br u/s Derry R confl	305728	176712	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	166	5	100	0	41	7	41	0	0	0	11
0400	102	12	100	0	52	7	26	0	0	0	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AUGHRIM (WICKLOW)**

10/A/02

Tributary of : 10A03 AVOCA

OS Catchment No: 171

OS Grid Ref of Confluence: T 196 768

Date(s) Surveyed: 9/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2003	2006	2009	2012
0100	4	-	-	-	-	-	-	-
0200	4	5	4-5	4-5	3	4	4	4
0400	5	4-5	4-5	4	4	4	4	3-4

Assessment: The macroinvertebrate fauna indicated good ecological conditions at Coat's Bridge (0200) in October 2012 although some filamentous algal growth and siltation was noted. The paucity of sensitive macroinvertebrate species and enhanced algal growth indicated unsatisfactory moderate ecological conditions at Woodenbridge (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br in Aughrim	0	0	62	WW
0200	Coat's Br	314795	178944	62	WW
0400	Wooden Br	318993	177029	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	44	188	100	0	37	18	20	1	8	0	16
0400	11	224	100	0	40	17	17	0	11	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AVOCA**

10/A/03

Tributary of :

OS Catchment No: 171

OS Grid Ref of Confluence: T 256 729

Date(s) Surveyed: 9/10/2012

Station Nos.	Biological Quality Ratings (Q Values)																
	1971	1974	1977	1981	1986	1990	1994	1997	2000	2003	2006	2007	2008	2009	2010	2011	2012
0650	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
0680	-	-	-	-	-	4-5	5	4	4	3-4	-	-	-	-	-	-	-
0700	1/0	1/0	1/0	1/0	1/0	1/0	1/0	-	1/0	-	4	1/0	2/0	2/0	4	3/0	3/0
0800	1/0	1/0	1/0	-	1/0	1/0	-	-	-	-	-	-	-	-	-	-	-
0900	-	-	-	-	2/0	2/0	1/0	-	-	-	-	-	-	-	-	-	-
1000	1/0	1/0	1/0	-	2/0	-	-	-	-	-	-	-	-	-	-	-	-
1200	-	-	-	-	1/0	1/0	-	-	-	-	-	-	-	-	-	-	-

Assessment: The paucity of macroinvertebrate fauna continues to indicate poor ecological conditions with continuing toxic affects due to acid mine drainage effluent at Avoca Bridge in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0650	0.1km d/s Avonbeg R confl	0	0	62	WW
0680	1km d/s Avonbeg R confl	319661	182146	62	WW
0700	Avoca Br	320337	179825	62	WW
0800	At Woodenbridge Golf Club	319290	177220	62	WW
0900	Footbr 0.5km d/s Aughrim R	320245	176469	62	WW
1000	At Shelton Abbey (u/s I.F.I.)	321810	175230	62	WW
1200	Arklow Br	324720	173530	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0680	29	362	100	0	17	18	40	0	12	1	13
0700	22	378	100	0	19	17	38	1	12	1	12
0900	2	615	100	0	27	17	30	1	12	0	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AVONBEG**
 Tributary of : 10A03 AVOCA
 OS Grid Ref of Confluence: T 190 832
 Date(s) Surveyed: 9/10/2012, 24/10/2012

10/A/04
 OS Catchment No: 171

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	3-4*	4	3-4	3-4	4-5	4-5	4
0400	5	4	4	4	3	4	4	4-5
0600	4	4	4	3-4*	3-4*	3-4	3-4	3-4
0700	5	-	-	-	-	-	-	-
0800	4-5	4	4-5	4	3	4-5	3-4	4

Assessment: Satisfactory ecological conditions were evident at three of the four stations surveyed in October 2012. The macroinvertebrate fauna and enhanced algal growth indicated an unwelcome decline from high to good ecological condition in the upper reaches at Barravore (0100) while the macroinvertebrate fauna indicated high ecological conditions at Drumgoff Bridge (0400). The paucity of pollution sensitive macroinvertebrate fauna continues to indicate unsatisfactory moderate ecological conditions at Greenane Bridge (0600). A welcome improvement to good ecological condition was noted in the lower reaches at the Meetings Bridge (0800).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford nr Barravore	306591	194165	56	WW
0400	Drumgoff Br	310549	190670	56	WW
0600	Greenan Br	314516	187510	62	WW
0700	Ballinaclash Br	0	0	62	WW
0800	Meetings Br	319040	182999	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	159	14	100	0	0	26	65	0	0	0	9
0400	121	48	100	0	3	26	48	0	1	0	23
0600	90	69	100	0	7	26	45	0	4	0	18
0800	31	359	100	0	17	18	40	0	12	1	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AVONMORE**

10/A/05

Tributary of : 10A03 AVOCA

OS Catchment No: 171

OS Grid Ref of Confluence: T 190 832

Date(s) Surveyed: 9/10/2012, 12/10/2012, 23/10/2012, 24/10/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1974	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	5	-	4-5	5	4-5	4-5	4-5	4-5
0020	-	-	-	-	5	-	-	-	-	-	4-5	4-5
0040	-	-	-	-	-	-	-	4	-	-	-	-
0050	-	-	-	-	4	4	4	4	4	4	4	4-5
0100	-	-	5	4-5	4-5	4	4	4	4-5	5	4	4-5
0200	-	4-5	5	4-5	4-5	4-5	4-5	4	4	5	4-5	4-5
0300	5	3-4	5	4-5	4	4-5	4-5	4	4	4-5	-	4-5
0310	-	-	-	-	-	-	-	-	-	4	4	-
0400	-	-	5	5	-	-	-	-	-	-	-	-
0500	5	5	5	5	5	4	4	4-5	4	4-5	4	4

Assessment: The Avonmore River was in a highly satisfactory ecological condition in October 2012. The dominance and diversity of sensitive macroinvertebrate fauna indicated high ecological conditions at six of the seven stations surveyed. Good ecological conditions continue in the lower reaches at Lion's Bridge (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br d/s L. Tay	316092	206179	56	WW
0020	Old Br	316041	201833	56	WW
0040	0.8 km u/s Annamoe Br	317375	199889	56	WW
0050	Br in Annamoe	317278	199225	56	WW
0100	Ballard Br	314404	195635	56	WW
0200	Clara Br	316871	192098	56	WW
0300	Rathdrum Br	319259	188727	62	WW
0310	Rathdrum Br (RHS) .	319197	188752	62	WW
0400	Avondale 3km d/s Rathdrum	319845	186371	62	WW
0500	Lion's Br	319206	183295	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	217	22	100	0	0	7	83	0	0	2	8
0020	202	67	100	0	2	13	75	0	1	2	6
0040	171	74	100	0	7	13	68	0	1	2	9
0050	166	80	100	0	7	12	65	0	3	2	11
0100	119	141	100	0	13	13	56	0	7	1	10
0200	96	201	100	0	11	15	55	0	6	1	11
0300	77	230	100	0	14	16	49	0	8	1	12
0400	62	236	100	0	15	16	47	0	9	1	11
0500	40	251	100	0	17	16	44	0	10	1	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYCREEN BROOK** **10/B/02**
 Tributary of : 10A02 AUGHRIM (WICKLOW) OS Catchment No: 171
 OS Grid Ref of Confluence: T 130 796
 Date(s) Surveyed: 4/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	5	4-5	4	4-5	4-5	5	4	4
0700	5	4-5	4	4-5	4-5	3-4	3-4	4-5

Assessment: The Ballycreen Brook was in a satisfactory ecological condition when surveyed in early July 2012. The macroinvertebrate fauna indicated a welcome improvement to high ecological conditions at Tinnakilly Bridge (0700) however excessive siltation and compaction of the river bed was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br W of Macreddin	312082	182555	62	WW
0700	Tinnakilly Br	313312	179756	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	133	10	100	0	3	5	52	0	39	0	1
0700	71	20	100	0	23	7	29	0	24	0	17

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYDUFF STREAM (WICKLOW)** 10/B/01
 Tributary of : 10A03 AVOCA OS Catchment No: 171
 OS Grid Ref of Confluence: T 224 748
 Date(s) Surveyed: 24/5/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	3-4	3-4	3	3/0	3-4*	3-4	3-4*	3

Assessment: The complete lack of sensitive macroinvertebrate fauna and dominance of pollution tolerant species indicated an unsatisfactory decline to poor ecological conditions at Ballyduff Bridge (0200) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballyduff Br	322229	173138	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	19	14	100	0	75	1	0	4	19	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYMACAHARA**

10/B/98

Tributary of : 10V01 VARTRY

OS Catchment No: 170

OS Grid Ref of Confluence: O271 971

Date(s) Surveyed: 30/5/2012

Biological Quality Ratings (Q Values)

Station Nos. **2012**
0500 4

Assessment: The macroinvertebrate fauna indicated good ecological conditions on the Ballymacahara Stream in May 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br at national School in Ashford village	327163	197722	56	WW

River and Code : **CARRICKMINES STREAM**

10/C/04

Tributary of : 10S01 SHANGANAGH

OS Catchment No:

OS Grid Ref of Confluence: O 245 230

Date(s) Surveyed: 11/6/2012

Previously reported as Shanganagh, Carrickmines Branch

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1984	1990	1994	1997	2000	2003	2006	2009	2012
0200	3-4	3	3	3	3	3	3	-	-	-
0300	4	4	3-4	-	-	-	-	-	-	-
0350	-	-	-	-	-	-	-	3-4	3-4	3-4
0400	3-4	4	2-3	3	3	3	3	-	-	-

Assessment: Unsatisfactory moderate ecological conditions continue on the Carrickmines Stream in June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Glenamuck Rd Br (Friarsland/Priorsland)	321900	224100	50	DN
0300	Br nr Glendruoid Ho	0	0	50	DN
0350	u/s Overpass .	324312	223471	50	DN
0400	Br at Loughlinstown	324614	223251	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	16	32	100	0	30	7	1	32	22	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOGHOGE BROOK** **10/C/01**
 Tributary of : 10A05 AVONMORE OS Catchment No: 171
 OS Grid Ref of Confluence: O 161 059
 Date(s) Surveyed: 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	5	4-5	4-5	5	4-5	4-5

Assessment: Continuing high ecological conditions on the Cloghoge Brook (0100) in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Annamoe R confl	315895	206011	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	220	11	100	0	0	0	96	0	0	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOLALUG STREAM**

10/C/02

Tributary of : 10D02 DERRY WATER

OS Catchment No: 171

OS Grid Ref of Confluence: T 070 747

Date(s) Surveyed: 5/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0280	-	-	-	-	-	-	-	4-5
0300	4	4	4-5	3/0	4	-	-	-
0500	3-4	3-4	4-5	3*	4	3-4	4*	4*

Assessment: The Coolalug Stream was in a satisfactory ecological condition at the two stations surveyed in July 2012. The macroinvertebrate fauna indicated high ecological conditions in the upper reaches at Toberpatrick Bridge (0280) although some signs of enrichment were evident with algal growth and excessive siltation noted. Excessive siltation of the riverbed substratum was more pronounced at the downstream station (0500) and dissolved oxygen (119% saturation) was elevated.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0280	Toberpatrick Br	308074	172505	62	WW
0300	Coolalug Br	307571	172974	62	WW
0500	Br d/s Killaveny Br	307456	174944	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0280	N/A	0	0	0	0	0	0	0	0	0	0
0300	101	12	100	0	46	19	1	0	4	0	30
0500	82	20	100	0	49	11	1	0	10	0	28

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DARGLE**
 Tributary of :
 OS Grid Ref of Confluence: O 268 193
 Date(s) Surveyed: 14/6/2012, 19/6/2012

10/D/01
 OS Catchment No: 169

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1974	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	5	5	5	5	4-5	4-5	5	5	4-5	4*
0050	-	-	-	4-5	5	5	-	-	-	-	-	-	-
0100	-	-	-	5	4-5	4-5	4-5	4	3	4	4	4	4
0200	5	5	5	5	5	-	-	-	-	-	-	-	-
0250	-	-	-	-	-	4-5	4	3-4	3	3-4	4	3-4	4
0300	3-4	4	5	4	5	-	-	-	-	-	-	-	-

Assessment: The Dargle River was in a satisfactory ecological condition at all three stations surveyed in June 2012. The macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions at Ballinagee Bridge (0010) where excessive siltation of the river bed was noted. Good ecological conditions persist at Dargle Bridge (0100). Major flood relief works had commenced at Rivervale therefore the biological sampling station was moved downstream to the upstream end of the People’s Park in 2012. The dominance of pollution sensitive macroinvertebrate fauna indicated good ecological conditions at this location in mid June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br u/s Tinnehinch Br	320394	214724	56	WW
0050	Tinnehinch Br	322127	216187	56	WW
0100	Br u/s Glencullen R	324343	217074	56	WW
0200	D/s Glencullen R confl	324518	217311	56	WW
0250	1km u/s Bray Br (just u/s peoples park)	325179	218256	56	WW
0300	Just d/s Bray Br	326385	218881	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	89	15	100	0	9	28	59	0	0	0	5
0050	73	58	100	0	12	22	45	3	8	0	10
0100	21	68	100	0	15	19	42	4	11	0	9
0200	16	105	100	0	19	15	37	5	13	0	12
0250	6	113	100	0	21	14	34	5	14	0	11
0300	2	128	100	0	21	14	31	8	15	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERRY WATER**

10/D/02

Tributary of : 10A02 AUGHRIM (WICKLOW)

OS Catchment No: 171

OS Grid Ref of Confluence: T 118 788

Date(s) Surveyed: 4/7/2012, 5/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	-	4-5	4	4	4-5	4-5	4-5	4
0400	5	3-4	-	-	-	-	-	-
0600	5	5	4-5	4-5	5	4-5	5	4-5
0800	4	4	4-5	3-4	4	4	3-4	4

Assessment: The Derry water was in a satisfactory ecological condition in July 2012. The macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions near Moyne (0300) while high ecological conditions persist downstream at Ballinglen Bridge (0600). The macroinvertebrate fauna indicated a satisfactory improvement to good ecological conditions at Annacurragh Bridge (0800) however signs of enrichment were still evident with luxuriant instream plant growth.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br NW of Moyne	303136	180247	62	WW
0400	Sandy Ford	0	0	62	WW
0600	Ballinglen Br	306598	175861	62	WW
0800	Annacurragh Br	310876	177853	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	157	12	100	0	39	23	35	0	0	0	3
0600	88	38	100	0	48	13	27	0	0	0	12
0800	73	94	100	0	53	9	17	0	7	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENCREE**
 Tributary of : 10D01 DARGLE
 OS Grid Ref of Confluence: O 204 148
 Date(s) Surveyed: 19/6/2012

10/G/01
 OS Catchment No: 169

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	5	-	-	-	-	-	-	-
0100	-	5	5	5	-	4	-	-	-	-
0200	5	5	5	5	5	5	5	4-5	3-4	4

Assessment: The macroinvertebrate fauna indicated a welcome improvement from moderate to good ecological conditions on the Glencree River at Onagh Bridge (0200) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br nr Stone Cross	314300	218600	56	WW
0100	Wooden Br SE of Ballycoyle	316795	215697	56	WW
0200	Onagh Br (u/s Dargle R confl)	320256	214888	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	137	21	100	0	5	14	65	0	6	1	9
0200	89	34	100	0	7	20	50	0	9	1	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENCULLEN**
 Tributary of : 10D01 DARGLE
 OS Grid Ref of Confluence: O 246 174
 Date(s) Surveyed: 14/6/2012, 19/6/2012

10/G/02
 OS Catchment No: 169

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1974	1978	1985	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	5	-	-	-	4-5	5	4	4-5
0100	5	5	5	5	5	5	5	5	-	-	-	-
0300	4-5	5	5	5	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5
0400	5	4-5	4	4-5	-	-	-	-	-	-	-	-
0500	-	-	-	-	4-5	4-5	3-4	4	4	4	4	4

Assessment: The Glencullen River was in a satisfactory ecological condition at all four stations surveyed in June 2012. The dominance of pollution sensitive macroinvertebrate species indicated a welcome return to high ecological conditions at Boranaraltry Bridge (0050) however signs of some enrichment were still evident with continuing filamentous algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Boranaraltry Bridge	316866	220605	50	DN
0100	Glencullen Br	319222	219343	56	WW
0300	2km u/s Knocksink Br (Nat. Env. Centre)	321877	217913	56	WW
0400	1.5km d/s Enniskerry Br	0	0	56	WW
0500	Just u/s Dargle R confl	324264	217183	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	189	15	100	0	4	10	47	0	7	0	32
0300	92	21	100	0	17	11	33	2	11	0	27
0500	19	26	100	0	22	11	27	7	13	0	22

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENDASAN**
 Tributary of : 10G05 GLENEALO
 OS Grid Ref of Confluence: T 124 963
 Date(s) Surveyed: 11/10/2012, 23/10/2012

10/G/06
 OS Catchment No: 171

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	3	4-5	5	5	-	-	4-5	4-5
0150	4-5	-	-	-	-	-	-	-
0200	5	4	5	4	4	4	4	4

Assessment: The Glendasan River was in a satisfactory ecological condition in October 2012. Although there was a low diversity of macroinvertebrate species, the dominance of pollution sensitive species indicated highly satisfactory ecological conditions in the upper reaches (0100). Good ecological conditions persist in the lower reaches (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Old Lead Works	309896	198218	56	WW
0150	2km u/s Glenealo R confl	0	0	56	WW
0200	Br u/s Glenealo R confl	312332	196920	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	280	10	100	0	0	0	94	0	0	0	6
0200	130	15	100	0	0	8	85	0	1	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENEALO** **10/G/05**
 Tributary of : 10A05 AVONMORE OS Catchment No: 171
 OS Grid Ref of Confluence: T 142 957
 Date(s) Surveyed: 11/10/2012, 12/10/2012, 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4	5	5	-	5	4-5	4-5
0200	3	3/0	3/0	3/0	3/0	3/0	3-4	3-4
0400	4	3-4	4	4	4-5	5	5	4

Assessment: The upper reaches of the Glenealo River (0100) continues to indicate high ecological conditions in October 2012. The paucity of pollution sensitive macroinvertebrate fauna continues to indicate unsatisfactory ecological conditions downstream of the upper lake (0200) in Glendalough. The macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions in the lower reaches (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford u/s Upper Lake	309042	196177	56	WW
0200	Br d/s Upper Lake	310987	196386	56	WW
0400	Just u/s Avonmore R	314368	195611	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	139	10	100	0	0	0	81	0	0	0	19
0200	131	19	100	0	0	22	58	0	0	3	17
0400	118	39	100	0	0	20	64	0	3	1	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENMACNASS**
 Tributary of : 10A05 AVONMORE
 OS Grid Ref of Confluence: T 144 964
 Date(s) Surveyed: 12/10/2012, 23/10/2012

10/G/03
 OS Catchment No: 171

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0190	-	-	-	-	-	5	4	3-4
0200	4-5	4	5	4	4	-	-	-
0500	4-5	4	4-5	4-5	4	-	-	-
0600	-	-	-	-	-	5	4-5	4

Assessment: The paucity of pollution sensitive macroinvertebrate fauna indicated an unwelcome decline from good to moderate ecological conditions at the upper station (0190) and from high to good ecological conditions in the lower reaches (0600) of the Glenmacnass River in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0190	0.5 km d/s MallBrook (at gate).	312233	200647	56	WW
0200	(Ford) Br SE of Mall Hill	312372	200062	56	WW
0500	Laragh Br	314352	196633	56	WW
0600	Just u/s Avonmore R confl	314512	196445	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	221	19	100	0	0	8	82	0	3	0	7
0500	136	30	100	0	2	14	73	0	4	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GOLD MINE** **10/G/04**
 Tributary of : 10A02 AUGHRIM (WICKLOW) OS Catchment No: 171
 OS Grid Ref of Confluence: T 190 770
 Date(s) Surveyed: 5/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	3	-	-	-	-
0290	-	-	-	4-5	-	-	-	-
0500	5	4-5	4-5	3	3-4	5	4	4

Assessment: Good ecological conditions persist on the Goldmine River in July 2012. Excessive siltation of the river bed was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Agric Br u/s confl with Main Chan	318119	176145	62	WW
0290	u/s Clonwilliam Branch	318178	176145	62	WW
0500	Br u/s Aughrim R confl	318944	176840	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	45	8	100	0	54	19	7	0	8	0	12
0290	43	8	100	0	54	19	7	0	8	0	11
0500	15	17	100	0	52	16	5	0	21	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILL OF THE GRANGE STREAM**

10/K/02

Tributary of :

OS Catchment No: x1

OS Grid Ref of Confluence: O 237 260

Date(s) Surveyed: 11/6/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1990	1991	1994	1997	2000	2003	2006	2009	2012
0100	2	1	1-2	1-2	2-3	-	-	-	-
0200	-	-	-	-	-	2-3	2-3	2-3	3
0280	2	1	2-3	3	3	-	-	-	-
0500	2	2	2-3	3	3	2-3	3/0	3	3

Assessment: Poor ecological conditions persist at the two stations (0200, 0500) surveyed on the Kill of the Grange Stream in 2012. Sewage discharges are the suspected source of pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Nr Kill Lane National Sch	322677	226782	50	DN
0200	Footbridge Meadowvale	323150	226070	50	DN
0280	Br on Johnstown Rd	323602	225497	50	DN
0500	Killiney Hill Rd Br	325548	223298	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	37	0	100	0	0	0	0	100	0	0	0
0280	30	2	100	0	0	0	0	100	0	0	0
0500	3	7	100	0	0	0	0	100	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILMACANOGE**
 Tributary of : 10D01 DARGLE
 OS Grid Ref of Confluence: O 248 174
 Date(s) Surveyed: 14/6/2012

10/K/03
 OS Catchment No: 169

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2006	2009	2012
0090	-	-	-	-	-	-	3-4
0300	3	3	3/0	3	3-4	3-4	3-4
0600	3	3	3	3	-	-	-

Assessment: The paucity of pollution sensitive macroinvertebrate species and continued dominance of pollution tolerant macroinvertebrates continues to indicate unsatisfactory moderate ecological conditions at the two stations surveyed on the Kilmacanoge Stream in June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	New Culvert Br at Kilmurry	325485	212929	56	WW
0300	Br in Kilmacanoge	324759	214716	56	WW
0600	Br nr Kilbride Church	324476	216982	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	76	8	100	0	44	1	42	3	10	0	0
0600	27	11	100	0	36	2	33	3	20	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NEWCASTLE (WICKLOW)**

10/N/01

Tributary of :

OS Catchment No: y1

OS Grid Ref of Confluence: O 317 032

Date(s) Surveyed: 30/5/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4	3-4	1/0	4	3	-	-	-
0600	3	3	3	3-4	3	3-4	3-4	4

Assessment: The increased diversity of macroinvertebrate fauna indicated a satisfactory improvement to good ecological conditions on the Newcastle stream (0600) although luxuriant algal growth continues to indicate some enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br S of Bloomfield	329088	204028	56	WW
0600	0.5km d/s Newcastle Br	330370	204111	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	25	13	100	0	60	4	2	0	21	0	13
0600	9	15	100	0	60	4	2	0	21	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NEWTOWNMOUNTKENNEDY**

10/N/02

Tributary of :

OS Catchment No: y1

OS Grid Ref of Confluence: O 315 064

Date(s) Surveyed: 29/5/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4-5	4-5	4-5	5	4-5	4	4-5
0150	-	-	-	-	-	-	-	4
0400	4	-	-	-	-	-	-	4
0500	2-3	2-3	3	3	3*	-	-	3-4
0600	4	3	3-4	3	3	3-4	3*	3-4

Assessment: The Newtownmountkennedy Stream remains in a satisfactory ecological condition in the upper reaches (0100, 0150, 0400) in 2012. The dominance of pollution sensitive macroinvertebrate fauna indicated high ecological conditions near Hermitage (0100) while good ecological conditions were evident at Cooladoyle (0150) and in Newtownmountkennedy (0400). Some signs of enrichment were evident with excessive siltation and some algal growth noted at both stations. Although macroinvertebrate diversity has improved in the lower reaches, the continued dominance of pollution tolerant macroinvertebrate species indicates unsatisfactory moderate ecological conditions downstream of Newtownmountkennedy village (0500, 0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Hermitage	324883	207790	56	WW
0150	Woods at Cooladoyle	325549	207203	56	WW
0400	Br in Newtown	326742	205994	56	WW
0500	Br nr Kilmullin	328432	206389	56	WW
0600	Br S of Ballyphilip	329594	206255	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	107	6	100	0	60	0	10	0	8	0	21
0150	N/A	0	0	0	0	0	0	0	0	0	0
0500	35	15	100	0	56	5	4	3	15	0	17
0600	16	16	100	0	53	4	4	4	18	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OW** **10/O/01**
 Tributary of : 10A02 AUGHRIM (WICKLOW) OS Catchment No: 171
 OS Grid Ref of Confluence: T 118 788
 Date(s) Surveyed: 4/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4	4	4	4	3-4	3-4	3-4
0300	5	4-5	5	4	4	3-4	3-4	4
0400	5	5	5	4	4	4	-	4

Assessment: The lack of sensitive macroinvertebrate species and abundant filamentous algal growth continues to indicate unsatisfactory moderate ecological conditions at Aghavannagh Bridge (0100) on the River Ow in July 2012. The macroinvertebrate fauna indicated good ecological conditions at Ballymanus Bridge (0300) and Roddenagh Bridge (0400) although enhanced algal growth was noted at Ballymanus Bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Aghavannagh Br	305566	186103	62	WW
0300	Ballymanus Br	309307	181515	62	WW
0400	Roddenagh Br	311673	179166	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	201	13	100	0	0	27	68	0	0	0	5
0300	108	49	100	0	6	41	31	0	1	0	21
0400	75	60	100	0	16	36	27	0	1	0	21

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **POTTER'S**
 Tributary of :
 OS Grid Ref of Confluence: T 319 847
 Date(s) Surveyed: 3/7/2012

10/P/01
 OS Catchment No: 173

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	-	4	4	4	3-4*	4	3*	3-4*
0400	4	-	-	-	-	-	-	-
0500	4	3	4	4	4	4	3-4*	4

Assessment: A welcome improvement was noted at both stations on the Potter's River in July 2012. The macroinvertebrate fauna indicated unsatisfactory moderate ecological conditions in the upper reaches at Kilboy Bridge (0300) while good ecological conditions were evident at Castletimon Bridge (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Kilboy Br	326892	187590	62	WW
0400	Kilbride Br	0	0	62	WW
0500	Castletimon Br	329700	185202	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	29	25	100	0	60	15	0	0	17	0	8
0500	14	39	100	0	61	10	0	0	22	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RATHNEW STREAM** **10/R/02**
 Tributary of : OS Catchment No:
 OS Grid Ref of Confluence: T306 964
 Date(s) Surveyed: 30/5/2012

Station Nos.	2009	Biological Quality Ratings (Q Values)
0600	3-4	2012 3-4*

Assessment: The dominance of pollution tolerant macroinvertebrate species indicated unsatisfactory moderate ecological conditions on the lower reaches (0600) of the Rathnew Stream in May 2012. Enriched conditions were evident with excessive siltation of the river bed substrata and abundant algal growth noted. Significant amount of household rubbish dumped instream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Br in Rathnew Village	328793	195549	56	WW

River and Code : **REDCROSS**
 Tributary of :
 OS Grid Ref of Confluence: T 279 785
 Date(s) Surveyed: 3/7/2012, 24/5/2012

10/R/01
 OS Catchment No: 174

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	1	3	3	4	4	4	4*	4*
0200	4	-	-	-	-	-	-	-
0300	4-5	4	4	4	4	4-5	4*	4
0400	4	-	-	-	-	-	-	-

Assessment: The Redcross River was in a good ecological condition at the two stations surveyed in 2012. Excessive siltation of the riverbed substrata was noted at both Redcross Bridge (0100) and at Kilpatrick Bridge (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br in Redcross	325175	183881	62	WW
0200	Br NW of Ballynamona Ho	0	0	62	WW
0300	Kilpatrick Br	326516	181008	62	WW
0400	Scratenagh Br	327800	180300	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	41	12	100	0	60	0	0	0	28	0	12
0300	18	22	100	0	57	1	0	0	34	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHANGANAGH**

10/S/01

Tributary of :

OS Catchment No: x1

OS Grid Ref of Confluence: O 261 236

Date(s) Surveyed: 11/6/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1984	1990	1994	1997	2000	2003	2006	2009	2012
0100	3	3	3	-	-	-	-	-	-	-
0440	-	-	-	-	-	3-4	-	-	-	-
0450	-	-	3	4	-	-	-	-	-	-
0460	-	-	-	-	4	3	4	4	4	4
0500	4	4	3-4	-	-	-	-	-	-	-
0600	4	4	3	3	4	3-4	3-4	3-4	3-4	4
0700	3	3	-	-	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated good ecological conditions at the two stations examined on the Shanganagh river in June 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Middle Br Cabinteely Pk	0	0	50	DN
0440	Enniskerry Rd Br	320788	221814	50	DN
0450	Br N of Ballycorus Lead Wks	0	0	50	DN
0460	Br SSW of Carns (Heron Ford Lane)	323152	222333	50	DN
0500	Br E of Glebe Ho	0	0	50	DN
0600	At Commons Road	325296	222967	50	DN
0700	u/s Rly Br Shanganagh	0	0	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0440	138	5	100	0	31	33	7	0	26	0	3
0460	73	10	100	0	39	18	3	3	22	0	14
0600	6	33	100	0	30	7	1	33	22	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TEMPLERAINY STREAM**

10/T/04

Tributary of :

OS Catchment No: c2

OS Grid Ref of Confluence: T 261 748

Date(s) Surveyed: 24/5/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4	3	3	3*	3	-	-	-
0500	3-4	3	3-4	3-4*	3	4	4	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions at Porter's Bridge on the Templerainy Stream in May 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Templerainy Br	324849	176603	62	WW
0500	Porter's Br	325702	174770	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	43	8	100	0	63	1	0	0	23	0	13
0500	7	14	100	0	63	1	0	1	28	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **THREE MILE WATER**

10/T/01

Tributary of :

OS Catchment No: 172

OS Grid Ref of Confluence: T 325 874

Date(s) Surveyed: 3/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	3-4	3-4	3	3*	-	-	-	-
0300	-	-	-	4	4	4	4	4*
0400	3	-	-	-	-	-	-	-
0500	3	3	4	3-4	4	4	-	4*

Assessment: Good ecological conditions continue on the Three Mile Water in July 2012 although excessive siltation of the riverbed was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW of The Beehive	327704	190276	56	WW
0300	Br S of Ballinteskinn X rds	329353	189832	62	WW
0400	Br SE of Ballinteskinn X-Rds	0	0	62	WW
0500	Br nr Magherabeg	331789	188038	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	45	4	100	0	72	11	0	0	17	0	0
0300	34	14	100	0	69	6	0	0	26	0	0
0500	13	27	100	0	56	4	0	0	38	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **VARTRY**
 Tributary of :
 OS Grid Ref of Confluence: T 321 942
 Date(s) Surveyed: 19/6/2012, 30/5/2012

10/V/01
 OS Catchment No: 170

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1974	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	4	-	-	-	-	-	-	-
0050	-	-	-	-	5	5	4-5	5	4-5	4	4-5	4*	4-5
0100	-	-	5	4-5	5	4-5	4	4	4-5	4	4-5	4	4*
0150	-	-	-	-	-	-	5	5	4-5	-	-	-	4
0200	4	-	5	4-5	5	4	-	-	-	-	-	-	-
0250	-	-	-	-	-	-	-	-	-	-	-	3-4	-
0300	5	4	5	4-5	5	4	4-5	4	3-4	3-4	3-4	3-4	4

Assessment: The Vartry River was in a satisfactory ecological condition at all stations surveyed in late May - mid June 2012. The diversity of pollution sensitive macroinvertebrate species indicated a welcome return to high ecological conditions in the upper reaches (0050) although the enhanced plant and algal growth indicated some enrichment. Good ecological conditions were evident at Annagolan Bridge (0100) however the abundant plant and algal growth and excessive siltation indicated enriched conditions downstream of Vartry Reservoir. The macroinvertebrate fauna indicated good ecological conditions at Nun's Cross Bridge (0150). A welcome improvement was noted downstream of Ashford at Newrath Bridge (0300) however signs of enrichment were still evident with luxuriant plant and algal growth and excessive siltation observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br NW of Ballinastoe Br	0	0	56	WW
0050	Ballinastoe Br	321899	207607	56	WW
0100	Annagolan Br	322155	199221	56	WW
0150	Nun's Cross Br (~200m u/s)	325753	197804	56	WW
0200	Ashford Br	327046	197398	56	WW
0250	Rossana House (300m d/s STP outfall)	327736	196705	56	WW
0300	Newrath Br	328602	196685	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	230	17	100	0	56	1	29	0	2	0	12
0100	165	64	100	0	56	9	9	1	10	5	11
0150	35	77	100	0	52	12	8	0	12	4	11
0200	19	90	100	0	50	15	6	1	14	3	10
0300	7	103	100	0	51	14	7	1	15	3	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

ERBD: HYDROMETRIC AREA NO. 10

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Askanagap Stream	2012	10A06	4.0	0.0	0.0	0.0	0.0	4.0	
Aughrim	2012	10A02	0.0	8.5	1.0	0.0	0.0	9.5	
Avoca	2012	10A03	0.0	0.0	0.0	11.5	0.0	11.5	
Avonbeg	2012	10A04	9.4	7.9	3.8	0.0	0.0	21.0	
Avonmore	2012	10A05	33.0	0.5	0.0	0.0	0.0	33.5	
Ballycreen Brook	2012	10B02	2.3	2.8	0.0	0.0	0.0	5.0	
Ballyduff Stream	2012	10B01	0.0	0.0	0.0	2.0	0.0	2.0	
Ballymacahara	2012	10B98	0.0	5.5	0.0	0.0	0.0	5.5	
Cloghoge Brook	2012	10C01	4.0	0.0	0.0	0.0	0.0	4.0	
Coolalug Stream	2012	10C02	3.7	1.3	0.0	0.0	0.0	5.0	
Dargle	2012	10D01	0.0	14.0	0.0	0.0	0.0	14.0	
Derry Water	2012	10D02	9.3	5.7	0.0	0.0	0.0	15.0	
Glencree	2012	10G01	0.0	9.0	0.0	0.0	0.0	9.0	
Glencullen	2012	10G02	8.8	0.2	0.0	0.0	0.0	9.0	
Glendasan	2012	10G06	4.8	0.2	0.0	0.0	0.0	5.0	
Glenealo	2012	10G05	2.5	3.0	0.5	0.0	0.0	6.0	
Glenmacnass	2012	10G03	0.0	3.1	8.9	0.0	0.0	12.0	
Goldmine	2012	10G04	0.0	3.0	0.0	0.0	0.0	3.0	
Kill O' the Grange Stream	2012	10K02	0.0	0.0	0.0	5.0	0.0	5.0	
Kilmacanoge	2012	10K03	0.0	0.0	3.0	0.0	0.0	3.0	
Newcastle	2012	10N01	0.0	4.0	0.0	0.0	0.0	4.0	
Newtownmountkennedy	2012	10N02	2.0	4.0	3.0	0.0	0.0	9.0	
Ow	2012	10O01	0.0	7.5	8.1	0.0	0.0	15.5	
Potters	2012	10P01	0.0	6.1	8.0	0.0	0.0	14.0	
Redcross	2012	10R01	0.0	9.0	0.0	0.0	0.0	9.0	
Shanganagh	2012	10S01	0.0	7.0	6.0	0.0	0.0	13.0	
Templerrainy Stream	2012	10T04	0.0	4.0	0.0	0.0	0.0	4.0	
Three Mile Water	2012	10T01	0.0	6.5	0.0	0.0	0.0	6.5	
Vartry	2012	10V01	6.0	11.0	0.0	0.0	0.0	17.0	
Total Length (km) surveyed this cycle			89.8	123.6	42.2	18.5	0.0	274.0	
Adjustments (See below)*			0.0	5.5	0.0	0.0	0.0	5.5	
Current Length (km) Adjusted			2012	89.8	118.1	42.2	18.5	0.0	268.5
Percentages			33.4	44.0	15.7	6.9	0.0	100.0	
Channel Length (km) in Class				A	B	C	D	Total	
Baseline: Current Adjusted Status (km)			2010-'12	207.9	42.2	18.5	0.0	268.5	
<i>Percentages</i>				77.4	15.7	6.9	0.0	100.0	
Baseline : Previous Unadjusted Status (km)**			2007 - '09	75.9	103.1	60.6	29.0	0.0	268.5
<i>Percentages</i>				28.3	38.4	22.6	10.8	0.0	100.0
Changes since Previous Survey (km)				13.9	15.0	-18.4	-10.5	0.0	0.0

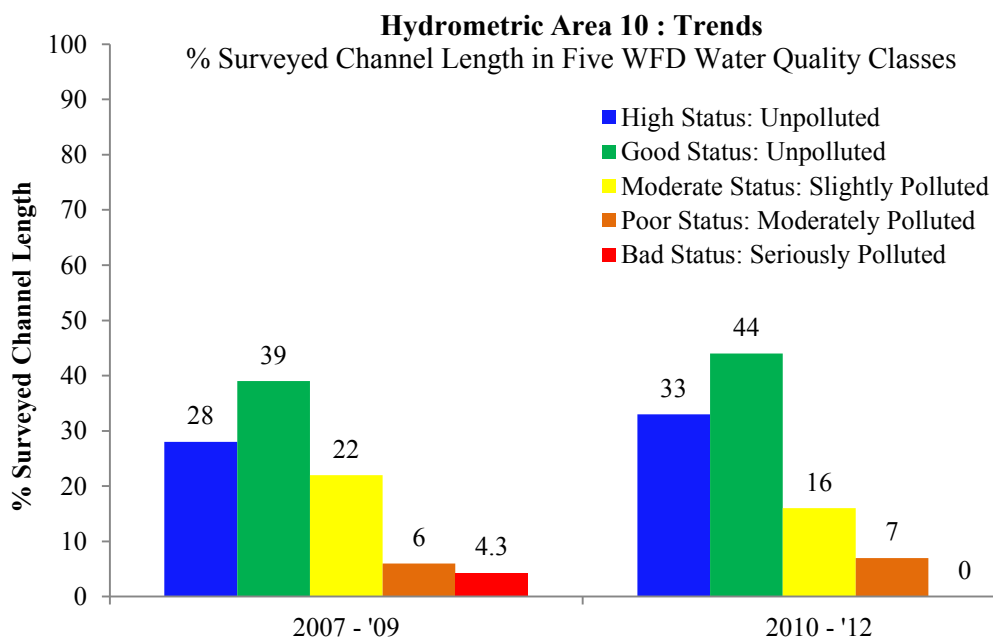
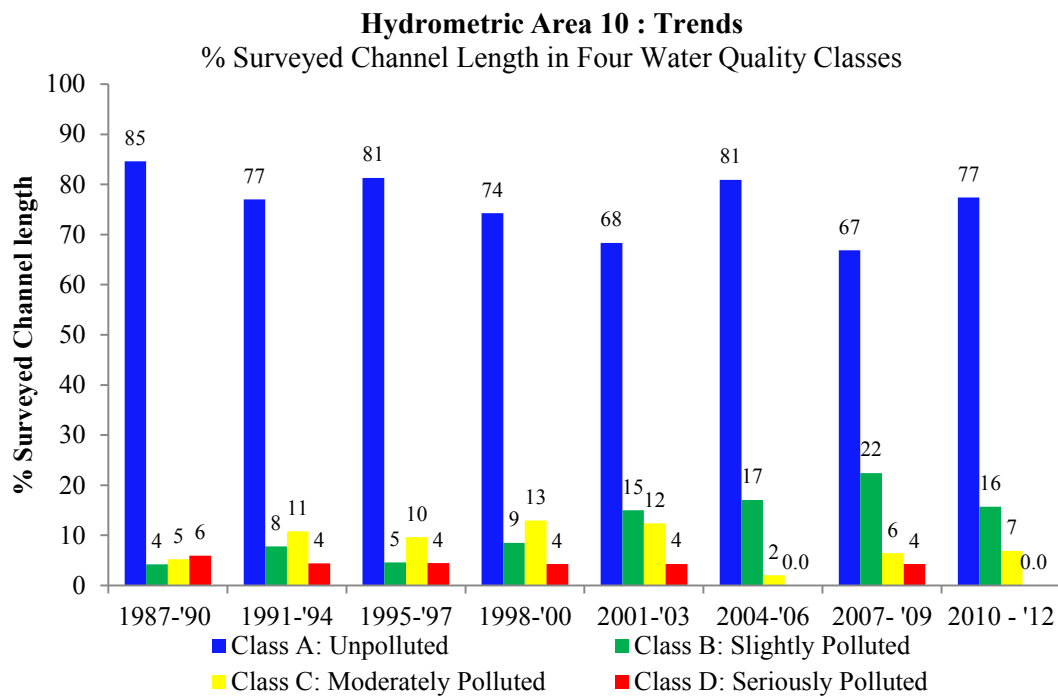
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Ballymacahara (10B98) added into the programme in 2012.

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	14	18
Good	23	35
Moderate	18	10
Poor	4	4
bad	1	0
<hr/>		
Total number of sites surveyed	60	67
Total number of sites at unsatisfactory status	23	14



HYDROMETRIC AREA 16 (Suir: Balance of Survey)

Partial Survey in 2011, Balance of Survey in 2012

BLACKWATER (KILMACOW)	16B02
GLASHA (WATERFORD)	16G01
GLENBOY	16G03
GLENGALLA	16G05
OUTERAGH STREAM	16O01
POLLANASSA	16P02
SMARTSCASTLE STREAM	16S07
# ST JOHN'S	16S03

indicates rivers having seriously polluted stretches at time of this survey.

River and Code : **BLACKWATER (KILMACOW)**

16/B/02

Tributary of : 16S02 SUIR

OS Catchment No: 182

OS Grid Ref of Confluence: S 586 141

Date(s) Surveyed: 1/10/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1985	1988	1992	1996	1999	2002	2005	2008	2012
0060	-	-	-	4	4	4	4	3	4	-	-
0080	-	-	-	4	4	4	4	4	3-4	4	4
0100	-	5	3-4	4	4	-	-	-	-	-	-
0200	-	4	4	4	4-5	4-5	4	4	4	-	-
0300	4	5	3-4	3	3-4	4	4	4	4	4	4
0400	-	5	4-5	4	4	-	-	-	-	-	-
0450	-	-	-	4	4	4	3-4	4	3-4	3-4	3-4

Assessment: Satisfactory except for downstream of Kilmacow (0450) where again only moderate ecological quality was recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Lukeswell Br	255356	127445	76	KK
0080	Br to W of Mullinavat	256266	124240	76	KK
0100	Br S of Mullinavat (on Trib)	0	0	0	TY
0200	W of Scart	256296	122517	76	KK
0300	Dangan Br	256994	120101	76	KK
0400	Foot-bridge at Kilmacow	0	0	0	TY
0450	Br SE of Kilmacow	256983	117148	76	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	79	20	100	0	57	31	1	0	2	0	10
0080	57	37	100	0	70	17	0	0	5	0	8
0200	45	106	100	0	72	12	4	0	5	0	7
0300	31	110	99	1	72	12	4	0	6	0	6
0450	8	123	90	10	74	11	3	0	6	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASHA (WATERFORD)**

16/G/01

Tributary of : 16S02 SUIR

OS Catchment No: 182

OS Grid Ref of Confluence: S 298 232

Date(s) Surveyed: 5/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1992	1996	1999	2003	2006	2008	2012
0200	-	-	4-5	4-5	4-5	4-5	-	-
0300	4-5	4-5	-	-	-	-	-	-
0400	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Boola Br	227654	119980	75	WD
0300	Glenpatrick Br	0	0	0	WD
0400	Glen Br	230312	122670	75	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	204	5	100	0	2	13	49	0	0	0	35
0400	25	17	100	0	19	39	25	0	2	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENBOY**
 Tributary of : 16T01 TAR
 OS Grid Ref of Confluence: S 113 139
 Date(s) Surveyed: 2/10/2012

16/G/03
 OS Catchment No: 182

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1992	1996	1999	2002	2006	2008	2012
0200	4-5	4-5	4-5	4-5	4	4-5	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Glenboy Br	211635	113607	74	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	35	9	89	11	16	8	27	0	17	0	31

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENGALLA**
 Tributary of : 16T01 TAR
 OS Grid Ref of Confluence: S 071 138
 Date(s) Surveyed: 2/10/2012

16/G/05
 OS Catchment No: 182

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1992	1996	1999	2002	2006	2008	2012
0100	5	5	4-5	5	4-5	4-5	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glengalla Br	207215	112962	74	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	49	13	100	0	1	36	53	0	0	0	11

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OUTERAGH STREAM**

16/O/01

Tributary of : 16S02 SUIR

OS Catchment No: 182

OS Grid Ref of Confluence: S 054 267

Date(s) Surveyed: 5/10/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1993	1996	1999	2002	2006	2008	2012
0150	3	3-4	3	3	3	-	-
0200	3-4	3-4	3-4	3	3	3-4	3-4

Assessment: Continuing only moderate ecological quality in this spring-influenced stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Br W of Outeragh	207004	129597	74	TY
0200	Br u/s Suir R confl	206169	127522	74	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	52	20	0	100	74	0	0	5	22	0	0
0200	45	53	0	100	64	0	0	2	35	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **POLLANASSA**

16/P/02

Tributary of : 16B02 BLACKWATER (KILMACOW)

OS Catchment No: 182

OS Grid Ref of Confluence: S 562 235

Date(s) Surveyed: 1/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1993	1996	1999	2002	2005	2008	2012
0040	4	4	4	4	4	4	4	4
0060	3-4	2-3	-	-	-	-	-	-
0100	3-4	3-4	4	4	4	4	4	4
0300	4	4	3-4	3	3-4	3-4	-	-
0500	4	4-5	4	4	4	3	3-4*	4

Assessment: Satisfactory, with good ecological quality, following an improvement at the final location (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Mabbotstown Br	249111	131237	67	KK
0060	Ford u/s Lismateige Br	0	0	0	KK
0100	Br SE of Harristown	251822	128009	75	KK
0300	Br SW of Ballynacooly	253434	124687	76	KK
0500	Walsh's Br	255922	124121	76	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	191	8	99	1	86	3	0	0	0	0	11
0100	110	17	99	1	87	4	0	0	3	0	6
0300	92	38	100	0	78	11	0	0	5	0	6
0500	59	45	100	0	77	10	3	0	4	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SMARTSCASTLE STREAM** 16/S/07
 Tributary of : 16B02 BLACKWATER (KILMACOW) OS Catchment No: 182
 OS Grid Ref of Confluence: S 586 146
 Date(s) Surveyed: 2/10/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1993	1996	1999	2002	2005	2008	2012
0200	4	3-4	4	4	4	-	-
0500	4	4	4	3-4	4	4	4
0800	4-5	4	4	4	4	4	3-4

Assessment: Continuing satisfactory at upper location but deterioration, to moderate ecological quality, at the bridge South West of Smartscastle.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW of Knockbrack Gorse	261136	123664	76	KK
0500	Br d/s Catsrock Br	261048	119630	76	KK
0800	Br SW of Smartscastle (Main flow)	259406	116096	76	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	132	2	100	0	25	15	0	0	19	0	41
0500	20	11	99	1	51	10	0	0	23	0	16
0800	6	43	65	35	74	4	0	0	16	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ST JOHN'S** **16/S/03**
 Tributary of : 16S02 SUIR OS Catchment No: 182
 OS Grid Ref of Confluence: S 614 121
 Date(s) Surveyed: 2/10/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1980	1984	1988	1992	2009	2011	2012
0300	1/0	1/0	1/0	1-2	2	2	2
0500	1	1/0	1-2/0	2	2-3	-	-

Assessment: Continuing unsatisfactory with bad ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bleach Bridge	0	0	0	WD
0500	Wyse's Bridge (Bath Street)	0	0	0	WD

SERBD: HYDROMETRIC AREA NO. 16

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aherlow	2011	16A01	16.4	26.6	0.0	0.0	0.0	43.0
Anner	2011	16A02	0.0	19.3	10.1	4.7	0.0	34.0
Ara	2011	16A03	0.0	8.0	5.0	11.0	0.0	24.0
Arglo	2011	16A04	0.0	12.0	0.0	0.0	0.0	12.0
Aughnaglanny	2011	16A05	7.0	0.0	0.0	0.0	0.0	7.0
Ballintemple Stream	2011	16B07	0.0	3.0	0.0	0.0	0.0	3.0
Black (Twomileborris)	2011	16B01	0.0	10.0	0.0	0.0	0.0	10.0
Black Stream (Cashel)	2011	16B05	0.0	0.0	0.0	1.0	0.0	1.0
Blackwater (Kilmacow)	2012	16B02	0.0	16.5	3.5	0.0	0.0	20.0
Borrisoleigh Stream	2011	16B06	0.0	6.0	0.0	3.0	0.0	9.0
Burncourt	2011	16B04	6.0	3.0	0.0	0.0	0.0	9.0
Clashawley	2011	16C01	0.0	21.0	0.0	0.0	0.0	21.0
Clodiagh (Portlaw)	2011	16C03	0.0	25.0	0.0	0.0	0.0	25.0
Clodiagh (Tipperary)	2011	16C02	18.2	13.3	0.0	0.0	0.0	31.5
Clonmore Stream	2011	16C11	0.0	1.0	0.0	0.0	0.0	1.0
Clover	2011	16C04	0.0	0.5	2.0	1.0	0.0	3.5
Drish	2011	16D02	0.0	3.4	16.0	6.7	0.0	26.0
Duag	2011	16D03	0.0	12.0	0.0	0.0	0.0	12.0
Farneybridge	2011	16F02	0.0	6.2	4.5	2.4	0.0	13.0
Fidaghta	2011	16F01	0.0	0.0	4.2	3.8	0.0	8.0
Fishmoynes	2011	16F03	0.0	9.4	0.0	3.1	0.0	12.5
Glasha (Waterford)	2012	16G01	7.5	0.0	0.0	0.0	0.0	7.5
Glenboy	2012	16G03	0.0	5.5	0.0	0.0	0.0	5.5
Glengala	2012	16G05	0.0	5.0	0.0	0.0	0.0	5.0
Half-Way House Stream	2011	16H02	0.0	0.0	2.0	0.0	0.0	2.0
Killenaule Stream	2011	16K05	0.0	8.2	1.9	0.9	0.0	11.0
Lingaun	2011	16L01	13.0	8.5	1.6	0.0	0.0	23.0
Moyle	2011	16M01	0.0	0.0	0.0	18.0	0.0	18.0
Mullinahone Stream	2011	16M09	0.0	0.0	0.0	7.5	0.0	7.5
Multeen East	2011	16M08	8.9	14.8	1.8	0.0	0.0	25.5
Multeen	2011	16M02	23.1	2.5	0.0	0.0	0.0	25.5
Nier	2011	16N01	18.5	0.5	0.0	0.0	0.0	19.0
Outeragh Stream	2012	16O01	0.0	0.0	4.0	0.0	0.0	4.0
Owenbeg (Tipperary)	2011	16O02	0.0	9.0	0.0	0.0	0.0	9.0
Pollanassa	2012	16P02	0.0	14.0	0.0	0.0	0.0	14.0
Rossadrehid Stream	2011	16R06	0.0	0.0	3.0	0.0	0.0	3.0
Rossetown	2011	16R01	0.0	0.0	5.0	8.0	0.0	13.0
Shanbally	2011	16S01	8.5	0.0	0.0	0.0	0.0	8.5
Smartscastle Stream	2012	16S07	0.0	7.8	2.2	0.0	0.0	10.0
Suir	2011	16S02	0.0	106.5	25.1	2.5	0.0	134.0
Tar	2011	16T01	24.0	3.0	0.0	0.0	0.0	27.0
Thonoge	2011	16T02	0.0	15.0	0.0	0.0	0.0	15.0

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Total Length (km) surveyed this cycle			151.0	396.4	91.7	73.5	0.0	712.5	
Adjustments (km) (See below)*			0.0	0.0	0.0	7.5	0.0	7.5	
Current Length (km) Adjusted	2011/12		151.0	396.4	91.7	66.0	0.0	705.0	
<i>Percentages</i>			21.4	56.2	13.0	9.4	0.0	100.0	
Channel Length (km) in Class			A	B	C	D	Total		
Baseline : Current Adjusted Status (km)			2010-'12	547.4	91.7	66.0	0.0	705.0	
<i>Percentages</i>				77.6	13.0	9.4	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	100.5	391.5	94.5	118.5	0.0	705.0
<i>Percentages</i>				14.5	56.6	13.7	15.2	0.0	100.0
Changes since Previous Survey (km)				50.5	4.8	-2.8	-52.5	0.0	0.0

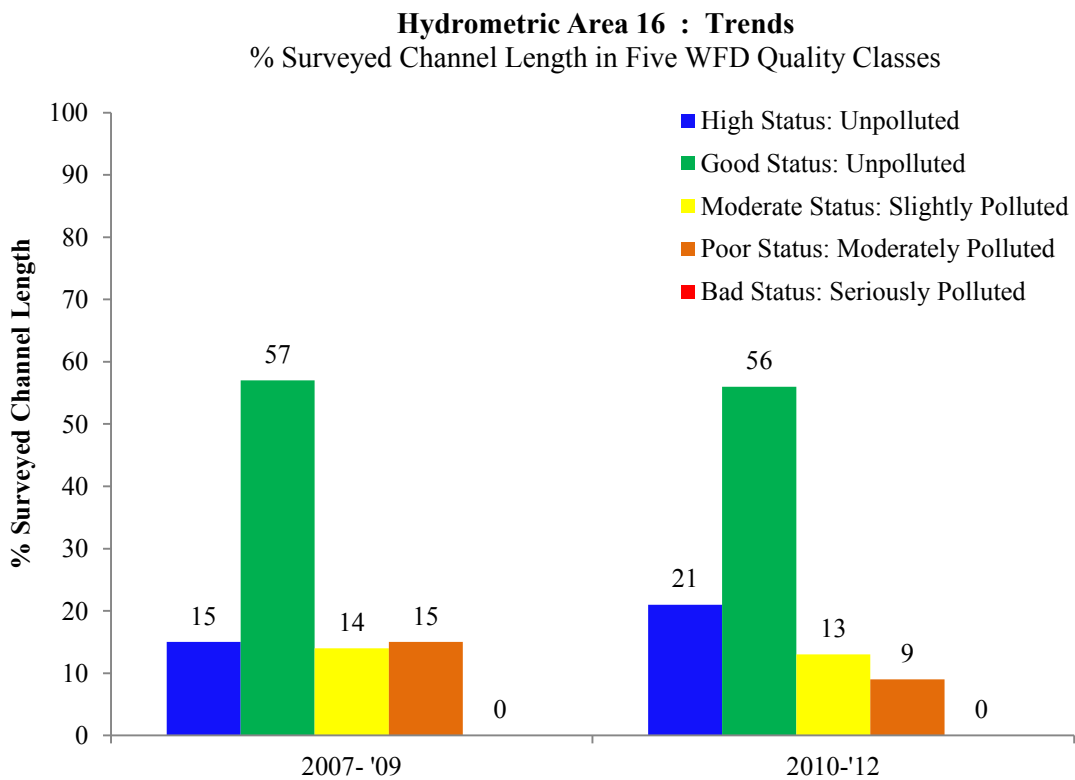
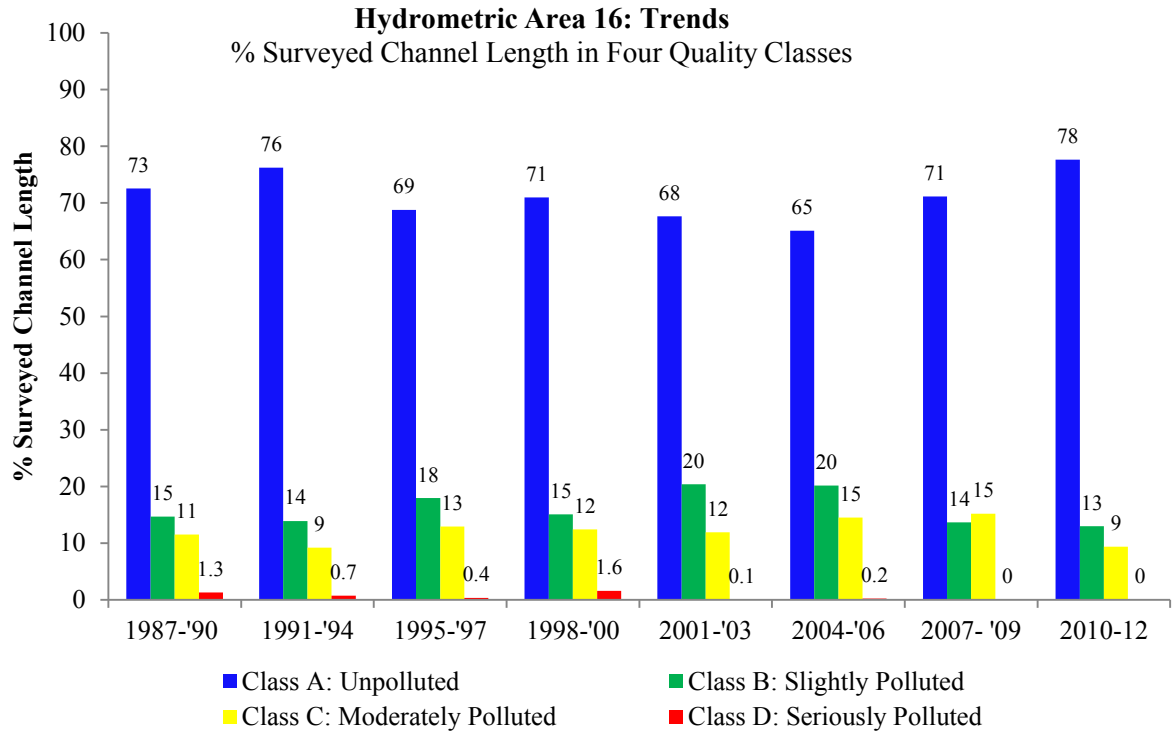
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Mullinahone Stream (16M09) previously not added into the statistics.

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	10	21
Good	67	76
Moderate	20	22
Poor	30	19
Bad	2	1
Total number of sites surveyed	129	139
Total number of sites at unsatisfactory status	52	42



HYDROMETRIC AREA 18 (Blackwater (Munster))	
ALLOW	18A02
ARAGLIN (BLACKWATER)	18A03
AWBEG (BUTTEVANT)	18A05
AWBEG (BUTTEVANT) (EAST) *	18A08
AWBEG (BUTTEVANT) (WEST) *	18A09
AWNASKIRTAUN	18A07
BALLARD STREAM	18B10
BALLYCLOGH STREAM	18B08
BEHANAGH	18B01
BLACKWATER (MUNSTER)	18B02
BREGOGE	18B04
BRIDE (WATERFORD)	18B05
BROGEEN	18B06
CLYDA	18C02
COOM	18C03
CRINNAGHTANE	18C07
CULLAVAW STREAM	18C04
CURRAHEEN (CORK)	18C06
DALUA	18D01
DOUGLAS (ARAGLIN)	18D03
DOUGLAS (BRIDE)	18D02
FARAHY	18F01
FARNANE	18F06
FINISK	18F02
FINNOW (BLACKWATER)	18F03
FLESK (BRIDE)	18F04
FUNSHION	18F05
GLASHANABRACK	18G02
GLASHAWEE (ALLOW)	18G03
GLEN (BANTEER)	18G04
GLENABOY	18G05
GLENAKEEFE	18G06
GLENCORRA STREAM	18G15
GLENDINE (BLACKWATER)	18G07
GLENLARA	18G08
GLENNAFALLIA	18G10
GLENSHELANE	18G11
GOISH	18G12
GRADOGE	18G13
KNOPPOGE	18K02
LICKY	18L01
LYRE	18L02
MONAVUGGA	18M01
NAD	18N01
OGEEN	18O01
OWBEG (WATERFORD)	18O02
OWENAGEERAGH	18O03

HYDROMETRIC AREA 18 (Blackwater (Munster))	
OWENANARE	18O04
OWENBAUN (RATHCOOL)	18O05
OWENKEAL	18O06
OWENNAGLOO	18O07
OWENNASHAD	18O08
OWENTARAGLIN	18O09
RATHCOOL	18R01
ROSS (KILLAVULLEN)	18R02
SHEEP	18S03
TOURIG	18T03
WATERGRASSHILL STREAM *	18W01

* AWBEG (BUTTEVANT) (EAST) Formerly reported as the East Branch of the Awbeg (Buttevant)

* AWBEG (BUTTEVANT) (WEST) Formerly reported as the West Branch of the Awbeg (Buttevant)

* WATERGRASSHILL STREAM Formerly reported as the South Branch of the Flesk (Bride) 18F04

River and Code : **ALLOW**

18/A/02

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 385 988

Date(s) Surveyed: 14/8/2012

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1975	1978	1980	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5	4-5	4	4	4
0100	5	-	5	5	5	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0200	3-4	3-4	4	3	4	-	4	3	4	4	4	4	-	-	-
0300	4-5	3	4	3-4	4	4	4	4	4	4-5	4-5	4-5	4-5	4-5	4-5
0400	-	-	-	-	3-4	3-4	3-4	5	4-5	4-5	4-5	4	-	-	-
0490	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4	4
0600	2	3	2-3	3-4	3-4	3-4	3-4	3-4	4-5	4	4	4	4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br nr Rowls Aldworth	131300	116419	72	CK
0100	Raheen Br	136531	115606	72	CK
0200	Allow Br, Freemount	139292	113807	72	CK
0300	John's Br	139481	109832	72	CK
0400	0.5km u/s Kanturk Br	138173	103724	72	CK
0490	1.3km d/s Kanturk Br	138385	101989	72	CK
0600	Leader's Br	138494	98912	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	193	14	0	100	54	29	10	0	0	0	7
0100	154	47	0	100	57	22	7	0	5	0	9
0200	137	60	0	100	63	17	6	0	5	0	9
0300	113	82	0	100	66	14	4	0	8	0	8
0400	84	123	0	100	69	9	3	0	13	0	6
0490	79	266	0	100	72	8	3	1	10	0	7
0600	69	311	0	100	73	7	3	1	10	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ARAGLIN (BLACKWATER)**

18/A/03

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: R 845 006

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1983	1990	1994	1997	2000	2003	2006	2009	2012
0080	-	-	-	-	4-5	5	4-5	4-5	4-5	4	4	4
0100	-	-	5	5	4-5	-	-	-	-	-	-	-
0200	-	-	5	5	4-5	5	4-5	4-5	4	4	4-5	4
0250	-	-	-	-	4-5	-	-	-	-	-	-	-
0300	-	-	5	5	4	-	-	-	-	-	-	-
0350	-	-	-	-	-	4-5	4-5	4	4-5	4	-	-
0400	5	5	5	5	-	-	-	-	-	-	-	-
0500	-	-	-	-	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Kingston Br	194609	105971	74	WD
0100	Br in Araglin	192795	106012	74	WD
0200	Elizabeth's Br	190184	105216	74	CK
0250	Br SSW of Billeragh	0	0	74	CK
0300	WSW of Knockatrasnane	0	0	74	CK
0350	Glenfinnish Br is on trib	187237	101833	74	CK
0400	Araglin Br	0	0	74	CK
0500	Coolalisheen Br	184988	100586	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	107	31	96	4	22	18	41	0	11	0	8
0100	91	42	92	8	34	14	32	0	11	0	9
0200	71	65	90	10	44	13	23	0	7	0	12
0350	39	98	93	7	52	17	15	0	5	0	11
0500	23	127	91	9	49	17	15	0	6	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AWBEG (BUTTEVANT)**
 Tributary of : 18B02 BLACKWATER (MUNSTER)
 OS Grid Ref of Confluence: R 693 001
 Date(s) Surveyed: 11/7/2012, 27/6/2012

18/A/05

OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0550	4-5	-	-	-	-	4	3	3-4	3-4	4	4	4	4
0600	4-5	4	2-3	3-4	3	3-4	-	-	-	-	-	-	-
0700	-	-	-	-	-	3	3	3	3	3	3	3-4	3
0800	4	4	3-4	3-4	4	3-4	-	-	-	-	-	-	-
0900	4-5	5	4	4	3-4	4	3-4	3-4	3-4	3-4	n/s	4	3-4
0950	-	-	-	-	-	4	-	-	-	-	-	-	-
1000	-	-	4	4	3-4	4	3	3	3	3	2-3	n/s	-
1100	4-5	4	4	3-4	4	4	4	4	4	4	-	4	4
1200	-	-	4	4	4	4	4	4	4	4-5	-	n/s	-
1250	-	-	-	-	-	4	-	-	-	-	-	-	-
1300	4-5	4-5	4	4	4	4	4	4	4	4	3-4	4	4-5

Assessment: Satisfactory, with good and high ecological quality, apart from at Buttevant and Cahermee where respectively poor and moderate. No crayfish were recorded in the 2009 survey but this protected species was found at four of the five locations sampled in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0550	Br d/s Scart Br	152819	114337	73	CK
0600	Br N of Buttevant	0	0	0	CK
0700	Buttevant Old Br	154413	109316	73	CK
0800	1.8km d/s Buttevant Br	0	0	0	CK
0900	Cahermee Br	156713	108220	73	CK
0950	Old Court u/s Doneraile	0	0	0	CK
1000	Br in Doneraile	160317	107512	73	CK
1100	Ballynamona Br	165638	107560	73	CK
1200	Ballywalter Br	167825	105614	73	CK
1250	Castletownroche Br	0	0	73	CK
1300	Kilcummer Br	169093	100477	73	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0550	86	119	21	79	77	8	2	0	11	0	1
0700	80	173	18	82	74	6	2	0	17	0	1
0900	72	189	17	83	72	6	1	1	19	0	1
1000	65	256	21	79	61	9	1	1	23	0	5
1100	54	316	23	77	56	13	2	1	23	0	6
1200	47	335	22	78	55	12	2	1	25	0	6
1300	32	350	21	79	54	11	1	1	27	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AWBEG (BUTTEVANT) (EAST)**

18/A/08

Tributary of : 18A05 AWBEG (BUTTEVANT)

OS Catchment No: 190

OS Grid Ref of Confluence: R 522 150

Date(s) Surveyed: 26/6/2012

Formerly reported as the East Branch of the Awbeg (Buttevant)

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0120	-	-	4	3	3-4	3-4	4	3-4	4	4
0160	-	-	3-4	3-4	4	3-4	4	4	-	-
0200	3-4	4	4	-	-	-	-	-	-	-
0250	-	-	4	3	3-4	3-4	4	4	4	4
0280	-	-	4	-	-	-	-	-	-	-

Assessment: Maintaining Good ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0120	Br S of Ballincarroona	159346	121122	73	LK
0160	Br NW of Pruntus	155224	119941	73	CK
0200	Farran Br	154359	118487	73	CK
0250	Longford Br	153388	116722	73	CK
0280	Br u/s confl with E Branch	0	0	0	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0120	116	13	67	33	56	23	19	0	3	0	0
0160	103	0	0	100	100	0	0	0	0	0	0
0200	98	38	46	54	70	20	7	0	2	0	0
0250	93	48	50	50	71	19	6	1	2	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AWBEG (BUTTEVANT) (WEST)**

18/A/09

Tributary of : 18A05 AWBEG (BUTTEVANT)

OS Catchment No: 190

OS Grid Ref of Confluence: R 522 150

Date(s) Surveyed: 26/6/2012

Formerly reported as the West Branch of the Awbeg (Buttevant)

Station Nos.							Biological Quality Ratings (Q Values)				
	1979	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0300	3	3-4	3	3-4	3-4	3	4	3	3	4	4
0400	3	3-4	3	3	3	3	3-4	4	-	3-4	3
0500	3	3-4	3-4	3-4	-	-	-	-	-	-	-

Assessment: Good and poor ecological quality representing deterioration at Annagh Bridge (0400) since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br E of Sunfort	145974	113680	73	CK
0400	Annagh Br	149806	115577	73	CK
0500	Scart Bridge	0	0	0	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	101	14	0	100	82	0	0	0	17	0	1
0400	89	36	0	100	77	0	0	0	22	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AWNASKIRTAUN**

18/A/07

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 188 929

Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	5	4-5	4-5	4-5	4-5	4	4
0300	4	4-5	4	4	4	4	-	-

Assessment: Again good ecological quality where formerly high.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Hollymount Br	117019	91112	79	CK
0300	Inchibeg Br	118696	92450	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	150	14	64	36	15	6	75	0	4	0	0
0300	124	20	46	54	30	4	62	0	3	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLARD STREAM** **18/B/10**
 Tributary of : 18A03 ARAGLIN (BLACKWATER) OS Catchment No: 190
 OS Grid Ref of Confluence: R 887 048
 Date(s) Surveyed: 2/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	3-4	-	-	-	-	-	-	-
0300	4	-	-	-	-	-	-	-
0400	-	4	4	4	3-4	4	4	3-4*

Assessment: Deterioration to moderate ecological quality, since previous survey, with some siltation effects.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s E Branch confl	0	0	0	CK
0300	Br u/s W Branch confl	0	0	0	CK
0400	Coolmoohan Br	188630	104709	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	61	14	95	5	65	19	0	0	0	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYCLOGH STREAM**

18/B/08

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 508 980

Date(s) Surveyed: 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0050	3	-	-	-	-	-	-	-
0100	3	3	3	3	3	3	3	3
0300	3	-	-	-	-	-	-	-
0400	3	-	-	-	-	-	-	-
0500	3	3	3	3	3-4	3-4	3-4	3-4

Assessment: No change with poor and moderate ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NNW of Mountnorth	150407	102629	73	CK
0100	East Br, Ballyclogh	149487	101999	73	CK
0300	Br at Rathnee Ho gates	0	0	0	CK
0400	Br W of Gortnagross	0	0	0	CK
0500	Br u/s Blackwater R confl	150744	98109	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	79	16	2	98	55	0	0	0	45	0	0
0100	72	22	5	95	56	0	0	0	43	0	0
0500	51	33	3	97	57	1	0	0	42	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BEHANAGH**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: R 856 158
 Date(s) Surveyed: 9/7/2012

18/B/01
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	5	5	4-5	5	5	5	5
0500	5	5	5	4	4	4	-	-

Assessment: Continuing satisfactory with high ecological quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br NW of Carrigeen	186529	119186	74	LK
0500	Mill Bridge	185896	116142	74	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	217	9	100	0	10	1	44	0	0	0	45
0500	106	13	93	7	36	3	30	0	0	0	31

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (MUNSTER)**

18/B/02

Tributary of :

OS Catchment No: 190

OS Grid Ref of Confluence: X 098 997

Date(s) Surveyed: 10/9/2012, 11/9/2012, 12/9/2012, 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)																			
	1971	1974	1975	1978	1979	1980	1982	1984	1986	1990	1994	1997	2000	2003	2005	2006	2007	2008	2009	2012
0050	5	-	5	-	-	-	-	-	-	4	4	4-5	4	3-4	-	3-4	-	-	4	4
0060	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	4	-	-	-	-
0075	-	-	4-5	-	-	-	-	-	-	4	4	4	4	3-4	-	3-4	-	-	4	4
0100	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	-	-	-	-	-
0200	5	-	5	5	-	5	-	-	4	4	4	4	4-5	4	-	4	-	-	4-5	4-5
0300	4-5	4-5	4	4-5	-	4-5	4-5	4-5	4-5	4	-	-	-	-	-	-	-	-	-	-
0400	3-4	3	1	3	-	4	3-4	2-3	3	3	4	3-4	4	3-4	-	3-4	-	-	4	4
0500	-	3-4	3-4	2-3	-	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-
0600	4-5	4-5	4	4	-	4	-	4	4	4	4	4-5	4-5	4-5	-	4-5	-	-	4	4-5
0700	5	-	4-5	-	4	4	-	-	4	4	-	-	-	-	-	-	-	-	-	-
0750	-	-	-	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5	-	4-5	-	-	4-5	4-5
0800	5	-	5	-	5	4	-	-	4	4	4	4	4-5	4	-	-	-	-	-	-
0810	-	-	5	-	5	4	-	-	2-3	4	4	4	4-5	4	-	-	-	-	-	-
0900	-	-	-	-	4-5	4	-	-	4	4-5	5	4-5	4-5	4	-	4-5	-	-	4-5	4-5
1000	5	-	5	-	5	5	-	-	4-5	4-5	4-5	4-5	4-5	4-5	-	4-5	-	-	4-5	4-5
1100	-	-	-	-	5	5	-	-	4-5	4	5	4-5	4	4-5	-	4-5	-	-	-	-
1200	5	-	5	-	4-5	5	-	-	4-5	4-5	4-5	4-5	4	4	-	4-5	-	-	4-5	4-5
1300	5	-	5	-	4-5	5	-	-	3-4	4	5	4-5	4	4	-	4	-	-	-	-
1400	5	5	5	4-5	-	5	4-5	4-5	4	4	4	4	4	4	-	4	-	-	4-5	4-5
1450	-	-	-	-	-	-	4	-	-	4	-	-	-	-	-	-	-	-	-	-
1460	-	-	-	-	-	3-4	3	-	3-4	3-4	-	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	-	-	4	3	3-4	3	4	3-4	3-4	3-4	-	3-4	-	-	3-4	4
1510	-	3	4	3-4	-	3-4	3	3	3-4	3	4	3-4	3-4	3-4	-	3-4	-	-	3-4	4
1700	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-
1800	3	3	2-3	3	-	3	3	3	3	3	4-5	3-4	3-4	4	-	4	-	-	4	4
1900	4	3	3-4	3-4	-	3	3-4	3	3	3-4	4	3-4	3-4	4	3-4	4	3-4	4	4-5	4
2000	4	-	4	-	-	4	4	-	3-4	3-4	4-5	3-4	4	4	-	4	-	-	4	4
2100	4	-	4	-	-	4	3-4	-	3-4	4	-	-	-	-	-	-	-	-	-	-
2200	-	-	-	-	-	-	-	-	-	-	4	3	3	2	-	3	-	-	3	4
2210	-	-	-	-	-	-	-	-	-	-	4	3-4	3-4	4	-	4	-	-	4	4
2300	4	-	4	-	-	-	3-4	-	-	-	-	-	-	-	-	-	-	-	-	-
2400	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-
2450	-	-	5	-	-	4	4	-	4	-	4-5	4	3-4	4	-	3-4	-	-	4	4
2500	5	-	5	-	-	3-4	4	-	4	4	4	3-4	4	4	-	4	-	-	4	4
2600	-	-	-	-	-	4	-	-	4	3-4	4	4	4	4	-	4	-	-	4	4
2700	5	-	5	-	-	3-4	4	-	3-4	3-4	4	4	4	4	-	4	-	-	4	4

Assessment: Satisfactory throughout, with high and good ecological quality, following improvement at Mallow and Fermoy. With the recent colonisation by crayfish, the Blackwater is now home to the two protected aquatic invertebrates - the other being the pearl mussel.

Hydrometric Area 18 (2012)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Doctor's Hill Br	114486	106717	72	CK
0060	Kingwilliamstown Br	115164	103781	72	CK
0075	Newquarter Br	115294	100829	72	KY
0100	Lisheen Br	115976	97496	79	KY
0200	Nohaval Br	117274	94272	79	KY
0300	Duncannon Br	118006	93143	79	KY
0400	U/s Awnaskirtaun R confl	118644	93139	79	CK
0500	D/s Awnaskirtaun R confl	0	0	0	CK
0600	Shamrock Br	122125	93563	79	CK
0700	Charles' Br	124818	94397	79	CK
0750	Ford SW of Dromsicane	126834	92720	79	CK
0800	Keale Br (RHS)	129518	93541	79	CK
0810	Keale Br (LHS)	129518	93541	79	CK
0900	Colthurst Br	132816	95469	79	CK
1000	Ballymaquirk Br	138152	98787	79	CK
1100	1.5km d/s Ballymaquirk Br	139545	99251	79	CK
1200	Roskeen Br	144272	98875	80	CK
1300	Lombardstown Br	146412	96954	80	CK
1400	Longfield's Br	151654	97625	80	CK
1450	2km u/s Rly Br Mallow (LHS)	0	0	0	CK
1460	2km u/s Rly Br Mallow (RHS)	0	0	0	CK
1500	Rly Br, Mallow (LHS)	155040	97910	80	CK
1510	Rly Br, Mallow (RHS)	155040	97910	80	CK
1700	1.5km d/s Mallow Br	157538	98144	80	CK
1800	Ne of Ballymagooly	159473	99156	80	CK
1900	Killavullen Br	164841	99774	80	CK
2000	Ballyhooly Br	172905	98743	80	CK
2100	Cregg Castle	177904	98435	80	CK
2200	Br in Fermoy (LHS)	181219	98556	81	CK
2210	Fermoy Br (RHS)	181227	98557	81	CK
2300	2km d/s Fermoy Br	182523	99572	81	CK
2400	Careysville	185560	99575	81	CK
2450	W of Kilmurry South	187495	99578	81	CK
2500	Ballyduff Br	196540	99120	81	WD
2600	Lismore Br	204832	98762	81	WD
2700	2km d/s Lismore Br	206647	98827	81	WD

Hydrometric Area 18 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	227	10	0	100	6	50	12	0	6	0	27
0060	191	18	0	100	24	31	15	0	5	0	25
0075	167	39	0	100	38	20	21	0	10	0	12
0100	144	62	0	100	48	14	21	0	7	0	10
0200	127	89	0	100	55	10	16	0	8	0	11
0300	123	117	0	100	56	8	17	1	8	0	10
0400	120	118	0	100	57	8	17	1	8	0	10
0600	108	235	5	95	63	6	18	0	6	0	7
0700	101	249	6	94	63	6	18	0	6	0	7
0750	96	253	6	94	64	5	18	0	6	0	7
0800	89	322	18	82	65	5	16	1	6	0	8
0810	89	322	18	82	65	5	16	1	6	0	8
0900	82	348	18	82	66	5	15	1	7	0	7
1000	69	477	29	71	66	5	12	1	9	0	8
1100	66	867	25	75	66	7	9	1	10	0	7
1200	59	951	23	77	66	7	8	1	12	0	7
1300	55	980	25	75	66	7	8	0	12	0	7
1400	48	1044	25	75	65	7	8	0	14	0	6
1500	46	1178	32	68	65	7	7	1	15	0	6
1510	46	1176	32	68	65	7	7	1	15	0	6
1700	44	1209	31	69	65	6	6	1	15	0	6
1800	42	1223	32	68	65	6	6	1	15	0	6
1900	36	1257	32	68	64	6	6	1	16	0	6
2000	27	1697	30	70	61	8	5	1	19	0	6
2100	23	1738	31	69	61	8	5	1	19	0	6
2200	21	1750	32	68	61	8	5	1	19	0	6
2210	21	1750	32	68	61	8	5	1	19	0	6
2300	20	1755	32	68	61	8	5	1	19	0	6
2400	19	2283	39	61	62	8	6	1	17	0	6
2450	19	2288	39	61	62	8	5	1	17	0	6
2500	10	2334	40	60	62	8	5	1	17	0	6
2600	3	2382	40	60	62	8	5	1	17	0	6
2700	2	2437	42	58	61	8	6	1	17	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BREGOGE** **18/B/04**
 Tributary of : 18A05 AWBEG (BUTTEVANT) OS Catchment No: 190
 OS Grid Ref of Confluence: R 595 079
 Date(s) Surveyed: 27/6/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	5	4-5	4	4	4	4	4
0400	4	3	3	4	3	4	-	-

Assessment: Continuing satisfactory, with good ecological quality, at the only sampling location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Streamhill Br	160268	111642	73	CK
0400	Oldcourt Br	159705	108187	73	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	95	7	87	13	4	51	9	0	7	0	30
0400	70	38	53	47	23	32	2	0	18	0	25

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BRIDE (WATERFORD)**

18/B/05

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 088 912

Date(s) Surveyed: 9/8/2012, 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1983	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	-	4-5	4	4-5	4	4	4	4	4
0100	-	-	5	5	5	4-5	-	-	-	-	-	-	-
0120	-	-	-	-	-	-	4-5	4	4	4	-	-	-
0200	-	-	5	5	5	4-5	-	-	-	-	-	-	-
0220	-	-	-	-	-	-	4-5	4	4	3-4	4	4	-
0300	5	4-5	5	4-5	4-5	4	4	4	4	4	4	4	4
0500	-	-	4-5	4	4-5	4	4	4	3-4	3-4	3-4	4	4
0600	5	4-5	4-5	3-4	4	4	4	4	4	4	4	4	4
0800	4	4	4	3-4	4	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bride Br	168405	90161	80	CK
0100	Bride Br (Old)	171427	89505	80	CK
0120	Keam Br	171920	88752	80	CK
0200	Corbally Br	174400	88800	80	CK
0220	SE of Shanbally	176159	89174	80	CK
0300	Rathcormack Br	180898	90669	81	CK
0500	Foot Bridge N of Ballynella	187881	92029	81	CK
0600	Conna Br	192494	93432	81	CK
0800	Tallowbridge	199869	94335	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	137	17	100	0	44	21	0	0	10	0	25
0100	101	49	100	0	44	25	0	0	8	0	22
0120	90	76	100	0	53	19	0	0	12	0	15
0220	66	90	98	2	56	17	0	0	12	0	14
0300	43	118	92	8	57	14	1	0	15	0	14
0500	27	227	86	14	63	9	0	0	19	0	9
0600	20	293	85	15	63	8	0	0	22	0	7
0800	3	370	84	16	63	8	0	0	23	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BROGEEN**
 Tributary of : 18A02 ALLOW
 OS Grid Ref of Confluence: R 385 018
 Date(s) Surveyed: 13/8/2012

18/B/06
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)									
	1990	1994	1997	2000	2003	2006	2009	2011	2012	
0100	3	3	4	3	2	4	2	4	4	
0200	3-4	3-4	3-4	3-4	4	-	-	-	-	
0300	3-4	3-4	3-4	4	3	4	4	-	4	
0600	3-4	4	4	4	4	-	-	-	-	
0800	4	4	4	4	4	4	4	-	4	

Assessment: Good ecological quality throughout.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Islandav	125361	102072	72	CK
0200	Brogeen Br	128741	102764	72	CK
0300	Br NW of Derrygalun	132721	102407	72	CK
0600	Br nr millview Cross	136070	102325	72	CK
0800	Br u/s Allow R confl	138346	101842	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	167	7	0	100	83	0	15	0	2	0	0
0200	132	17	0	100	80	1	7	1	10	0	0
0300	109	24	0	100	85	1	5	1	7	0	0
0600	88	35	0	100	85	1	4	1	9	0	0
0800	79	38	0	100	84	1	3	1	11	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLYDA**

18/C/02

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 533 977

Date(s) Surveyed: 12/7/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	4	4	4	4	4-5	-	-
0060	-	-	4-5	-	-	-	-	-	-	-
0070	-	-	-	3-4	4	4	4-5	4-5	4-5	4-5
0080	-	-	4	-	-	-	-	-	-	-
0090	-	-	-	4-5	4	3-4	4	4	4-5	4-5
0100	4-5	4-5	-	-	-	-	-	-	-	-
0110	-	-	5	-	-	-	-	-	-	-
0190	-	-	5	-	-	-	-	-	-	-
0200	4-5	4-5	-	4-5	4-5	3-4	-	-	-	-
0300	4	4	3	4	3-4	3-4	4	4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br u/s Ahadallane Br	151116	86874	80	CK
0060	Ahadallane Br	0	0	0	CK
0070	Athnalacka Br	153498	88800	80	CK
0080	50m d/s Millford Br	0	0	0	CK
0090	Athnaleenta Br	155583	90492	80	CK
0100	Jordan's Br	0	0	0	CK
0110	Br 0.2km d/s Jordan's Br	0	0	0	CK
0190	0.3km u/s Clyda Br (Upr)	0	0	0	CK
0200	Clyda Br (Upper)	154285	95906	80	CK
0300	Clyda Br (Lower)	153962	97505	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	177	7	100	0	84	15	0	0	0	0	1
0070	145	24	100	0	77	11	0	0	7	0	6
0090	111	33	100	0	70	10	0	0	13	0	8
0200	58	109	100	0	69	5	0	0	18	0	8
0300	48	112	99	1	68	5	0	0	19	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOM** **18/C/03**
 Tributary of : 18B05 BRIDE (WATERFORD) OS Catchment No: 190
 OS Grid Ref of Confluence: W 684 901
 Date(s) Surveyed: 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	-	-
0300	4	-	-	-	-	-	-	-
0400	4	4	3-4	3-4	4	4	4	3-4

Assessment: Deterioration, from good to moderate ecological quality, since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Toor R confl	165433	88818	80	CK
0300	Br u/s Coom Br	0	0	0	CK
0400	Coom Br	168280	89839	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	200	4	100	0	0	43	0	0	8	0	49
0400	141	15	100	0	35	28	0	0	13	0	24

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CRINNAGHTANE** **18/C/07**
 Tributary of : 18A03 ARAGLIN (BLACKWATER) OS Catchment No: 190
 OS Grid Ref of Confluence: R 905 055
 Date(s) Surveyed: 2/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4	4	4-5	4	4	3	4	4

Assessment: Satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br at Araglin R confl	190697	105461	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	76	12	84	16	66	15	0	0	0	0	19

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CULLAVAW STREAM** **18/C/04**
 Tributary of : 18B02 BLACKWATER (MUNSTER) OS Catchment No: 190
 OS Grid Ref of Confluence: W 176 935
 Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	3-4	3-4	3-4	4	3-4	4	3-4	3-4
0200	4	-	-	-	-	-	-	-
0300	4	4	4	4	3-4	4	-	-

Assessment: Moderate ecological quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cullavaw Br (Upper)	113963	92142	79	KY
0200	Cullavaw Br(Lower)	0	0	0	CK
0300	Just u/s Blackwater R confl	117443	93501	79	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	148	7	4	96	33	0	52	0	6	0	9
0300	125	116	0	100	56	8	17	1	8	0	10

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CURRAHEEN (CORK)** **18/C/06**
 Tributary of : 18B05 BRIDE (WATERFORD) OS Catchment No: 190
 OS Grid Ref of Confluence: W 948 940
 Date(s) Surveyed: 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality, at the only location sampled on this river which is also known as Shanakill.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br u/s Bride R confl	194800	93682	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	7	16	99	1	62	13	0	0	18	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DALUA**

18/D/01

Tributary of : 18A02 ALLOW

OS Catchment No: 190

OS Grid Ref of Confluence: R 382 032

Date(s) Surveyed: 13/8/2012, 14/8/2012, 20/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	4	4-5	4	4	3-4	3-4	4	4
0070	-	-	4	4-5	4	4	3-4	-	-	-
0100	5	5	4-5	4	3-4	4	4	-	-	-
0190	-	-	3/0	-	-	-	-	-	-	-
0200	4	4	3	4	3	3	3	3-4	4	4
0210	-	-	-	3	3	3	3	3-4	-	-
0300	5	5	4-5	4-5	4-5	4	4	4	4-5	4-5
0400	5	5	4-5	-	-	-	-	-	-	-
0500	5	5	5	4	4-5	3-4	4	4	4	4
0600	5	4	4-5	4-5	4-5	3	3-4	-	-	-

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NE of Meengorman	128710	111961	72	CK
0070	Br at knockduff Lower	129089	110653	72	CK
0100	Aldworth Br	130403	107778	72	CK
0190	Anne's Br	131015	106672	72	CK
0200	0.3km d/s Anne's Br	131015	106672	72	CK
0210	0.3km d/s Anne's Br (LHS)	131015	106672	72	CK
0300	Foot-bridge SW of Liscongill	132477	104581	72	CK
0400	Allen's Br	134032	104426	72	CK
0500	Just d/s Owenare R confl	136564	104458	72	CK
0600	Foot-bridge in Kanturk	137903	103294	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	183	12	0	100	56	15	4	0	8	0	18
0070	170	0	0	100	69	9	2	0	5	0	0
0100	142	28	0	100	74	7	2	0	8	0	10
0190	130	55	0	100	69	9	8	0	5	0	10
0200	130	55	0	100	69	9	8	0	5	0	10
0210	130	55	0	100	69	9	8	0	5	0	10
0300	113	87	0	100	69	10	6	0	5	0	10
0400	104	88	0	100	69	10	6	0	5	0	9
0500	90	134	0	100	75	7	4	1	5	0	7
0600	84	140	0	100	75	7	4	1	6	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOUGLAS (ARAGLIN)**
 Tributary of : 18A03 ARAGLIN (BLACKWATER)
 OS Grid Ref of Confluence: R 849 018
 Date(s) Surveyed: 2/8/2012

18/D/03

OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	-	5	-	-	-	-	-	-
0400	4-5	-	4-5	4-5	4-5	4-5	4-5	4-5
0500	4	4	4	3	3-4	3-4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ford d/s West Branch confl	0	0	0	CK
0400	Glansheskin Br	183972	103411	74	CK
0500	Douglas Br	184743	102135	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	51	17	100	0	18	27	24	0	0	0	31
0500	31	21	92	8	28	23	19	0	4	0	26

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOUGLAS (BRIDE)**
 Tributary of : 18B05 BRIDE (WATERFORD)
 OS Grid Ref of Confluence: W 883 917
 Date(s) Surveyed: 18/7/2012

18/D/02
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	-	-	-	-	-	-	-
0300	4-5	3-4	3-4	3	3	3-4	n/s	-
0400	4	-	-	-	-	-	-	-
0500	3-4	4	4	4	4	-	-	-
0800	4	3-4	3-4	4	4	4	3-4	4

Assessment: Improved with good ecological quality upstream of confluence with River Bride.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballinscurloge Br	0	0	0	CK
0300	Togher Br	192791	89535	81	CK
0400	Br N of Ballinlegane	0	0	0	CK
0500	Athnafola Br	190941	90908	81	CK
0800	Br u/s Bride R confl	188362	91661	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	67	12	100	0	64	3	0	0	33	0	1
0500	46	28	100	0	56	4	0	0	38	0	2
0800	28	43	100	0	58	5	0	0	35	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FARAHY**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: R 720 084
 Date(s) Surveyed: 10/7/2012

18/F/01
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	-	3-4	3-4*	4	4	3-4	4	4
0300	4	4-5	4	4-5	4	4	4-5	4
0400	4	-	-	-	-	-	-	-
0500	4	4	4	3	4-5	3-4	4	3-4
0700	4	-	-	-	-	-	-	-

Assessment: Satisfactory, with good ecological quality, apart from final location where there was a reversion to unsatisfactory conditions with only moderate quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br nr Ballyguyroe North	167210	113125	73	CK
0300	Ballyguyroe Br	167694	111560	73	CK
0400	Br in Farahy	0	0	0	CK
0500	1st Br d/s Farahy	169808	109913	73	CK
0700	Br u/s Funshion R confl	0	0	0	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	121	5	100	0	4	59	6	0	19	0	12
0300	88	8	79	21	13	50	4	0	24	0	8
0500	70	17	55	45	27	34	2	0	31	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FARNANE** **18/F/06**
 Tributary of : 18F02 FINISK OS Catchment No: 190
 OS Grid Ref of Confluence: S 170 013
 Date(s) Surveyed: 7/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4-5	4-5	4-5	4	4-5	4-5	4	4

Assessment: Satisfactory again with good ecological quality where previously high.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	D/s Derry Br Millstreet	217265	101185	82	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	49	12	0	100	56	15	4	0	8	0	18

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FINISK**

18/F/02

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 107 968

Date(s) Surveyed: 7/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0080	4-5	-	-	-	-	-	-	-
0090	4	4	4	4	4	4	4	4
0100	3-4	-	-	-	-	-	-	-
0190	4	4-5	4-5	4	4-5	4	-	-
0250	4	-	-	-	-	-	-	-
0300	4	4	4-5	4	4	4	4	4
0350	4	4-5	4-5	4	4	4	-	-
0500	4	4	4-5	4-5	4	4	4	4-5

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br N of Broe Mountain	0	0	0	WD
0090	Priestown Br	217409	107161	74	WD
0100	Ballinamult Br	218128	106742	74	WD
0190	Millinacoorka Br	218682	103948	82	WD
0250	Br in Millstreet	0	0	0	WD
0300	Modelligo Br	217572	99267	82	WD
0350	Finisk Br	216233	96622	82	WD
0500	Kilmolash Br	213027	94870	82	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	117	16	100	0	75	4	21	0	0	0	0
0100	102	17	100	0	76	3	20	0	0	0	0
0190	74	32	100	0	77	4	11	1	6	0	2
0300	37	66	100	0	78	6	7	0	5	0	4
0350	18	75	99	1	78	7	6	0	5	0	3
0500	8	99	87	13	77	8	5	0	7	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FINNOW (BLACKWATER)**

18/F/03

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 284 925

Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0030	-	-	-	-	4	-	-	-	-	-	-	-
0060	-	-	-	-	4	5	5	4-5	4-5	4-5	4	4
0100	-	-	5	4-5	4-5	-	-	-	-	-	-	-
0200	-	-	5	4-5	4-5	4-5	5	4	4-5	4	-	-
0300	-	-	5	4-5	4	-	-	-	-	-	-	-
0400	4-5	5	5	4-5	4	4	4	4	3	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	3rd Br u/s Kilmeeedy Br	0	0	0	CK
0060	Kilmeeedy Br	126763	87673	79	CK
0100	Dromascoolane Br	0	0	0	CK
0200	Inchileigh Br	126490	90342	79	CK
0300	Finnow Br	0	0	0	CK
0400	Wallis's Br	128384	92532	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	140	17	100	0	51	4	25	0	2	0	17
0200	109	27	100	0	63	3	16	3	1	0	14
0400	91	318	18	82	65	5	16	1	5	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FLESK (BRIDE)**

18/F/04

Tributary of : 18B05 BRIDE (WATERFORD)

OS Catchment No: 190

OS Grid Ref of Confluence: W 824 912

Date(s) Surveyed: 19/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	2-3	3-4	3-4	3-4	3	4	4	4
0500	3	4	4	4	3-4	4	-	-
0700	4	4	4	4	4	4	4	4
0800	3-4	-	-	-	-	-	-	-
1000	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br S of Coosane	175746	87330	80	CK
0500	Ballinaltig Br	177572	87502	80	CK
0700	Ballyglissane Br	180383	89277	81	CK
0800	Ward's Br	0	0	0	CK
1000	Br u/s Bride R confl	181897	90607	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	102	9	100	0	75	7	0	0	8	0	10
0500	87	16	100	0	75	4	0	0	16	0	5
0700	58	25	100	0	71	4	0	0	21	0	3
1000	42	53	100	0	71	3	0	0	21	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FUNSHION**

18/F/05

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 837 002

Date(s) Surveyed: 9/7/2012, 10/7/2012, 11/7/2012

Station Nos.	Biological Quality Ratings (Q Values)																
	1971	1974	1975	1978	1979	1980	1982	1985	1986	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
0030	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	5
0040	-	-	-	-	-	-	-	-	-	4-5	-	-	-	-	-	-	-
0060	-	-	-	-	-	-	-	-	-	4	3	4	-	-	-	-	-
0070	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
0100	5	5	5	5	-	4	5	4-5	4-5	4-5	4-5	4-5	4	4-5	4	4-5	4
0150	-	-	-	-	-	-	-	-	-	4-5	-	-	-	-	-	-	-
0200	1	1	1-2	3	-	3	3	2-3	3	3	3	2-3	3	3	3-4	4	4
0300	1-2	1-2	2	3	-	3	-	2-3	2-3	3-4	3	3-4	3-4	3-4	3-4	4	4
0310	-	-	-	-	-	-	-	-	-	2-3	-	3-4	3-4	3-4	3-4	4	-
0400	2-3	3	2-3	4	-	3	-	3	-	3-4	3	4	3-4	4	4	-	-
0500	4	4	4-5	4	-	4	-	3-4	-	4	3-4	4	4	4	3-4	4-5	4-5
0510	-	-	-	-	-	-	-	-	-	-	-	3	3	3-4	3-4	4-5	-
0600	-	-	-	-	4-5	-	-	4	-	4	-	-	-	-	-	-	-
0700	4-5	-	4-5	-	4	-	-	4	-	4	3-4	4	4	4	4	4-5	4-5
0760	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
0780	-	-	-	-	-	-	-	-	-	-	3-4	-	-	-	-	-	-
0800	-	-	-	-	3-4	-	4	4	-	4	4	4	4	4	-	4	4
0820	-	-	-	-	-	-	-	-	-	4-5	-	-	-	-	-	-	-
0900	5	-	5	-	4	-	4	4	-	4-5	4	4-5	4	4	4-5	4-5	4
1000	-	-	-	-	4-5	-	4	4	-	4	4-5	4	4	4	4	4-5	4-5
1100	4-5	-	4	-	4-5	-	-	4	-	4	4	4	4	4	-	4	4

Assessment: Satisfactory throughout with high and good ecological quality.

Hydrometric Area 18 (2012)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br nr Galty Castle	0	0	0	LK
0030	Brackbaun Br	188956	116822	74	LK
0040	Ahnaseed Br	0	0	0	LK
0060	Kilbeheny Br	185977	115732	74	CK
0070	1.1km d/s Kilbeheny Br	0	0	0	CK
0100	Ballyaghaderg Br	180857	114836	74	CK
0150	0.6km d/s St 0100	0	0	0	CK
0200	0.5km d/s Gradoge R confl	179379	113488	73	CK
0300	Killee Br (LHS)	177951	112601	73	CK
0310	Killee Br (RHS)	177951	112601	73	CK
0400	Marshalstown Br	174948	111772	73	CK
0500	Glenavuddig Br (LHS)	172317	110808	73	CK
0510	Glenavuddig Br (RHS)	172317	110808	73	CK
0600	Ford u/s Farahy R	0	0	0	CK
0700	Bealalaboga Br	173765	106836	73	CK
0760	Ford at Curraghoo More	0	0	0	CK
0780	Ford W of Dunmahon	0	0	0	CK
0800	Glanworth Br	175889	103956	73	CK
0820	1.6km d/s St 0800	0	0	0	CK
0900	Ballynahow Br	179256	102997	73	CK
1000	Downing Br	182314	101833	74	CK
1100	Ballyfean Br	183463	100603	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	117	16	98	2	5	20	42	0	6	0	26
0060	101	36	58	42	51	13	19	0	4	0	14
0100	80	82	69	31	58	8	18	0	2	0	14
0200	72	123	63	37	66	6	13	2	2	0	12
0300	68	133	60	40	68	5	12	2	2	0	11
0310	68	133	60	40	68	5	12	2	2	0	11
0400	62	145	56	44	70	5	11	2	2	0	10
0500	55	249	67	33	71	6	8	1	6	0	8
0510	55	249	67	33	71	6	8	1	6	0	8
0700	46	286	62	38	68	7	7	1	10	0	7
0800	33	339	57	43	69	6	6	1	12	0	6
0900	27	362	55	45	70	6	6	1	13	0	6
1000	24	379	55	45	70	5	5	1	13	0	6
1100	21	381	54	46	70	5	5	1	13	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASHANABRACK** **18/G/02**
 Tributary of : 18B05 BRIDE (WATERFORD) OS Catchment No: 190
 OS Grid Ref of Confluence: W 720 887
 Date(s) Surveyed: 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	-	-	-	-	-	-
0300	3-4	-	-	-	-	-	-	-
0400	4	4	4-5	4	4-5	4	4	4
0500	3-4	-	-	-	-	-	-	-

Assessment: Continuing satisfactory, with good ecological quality, despite recent bank and instream clearance.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ford d/s Glashanabrack Br	0	0	0	CK
0300	Graigue Br	0	0	0	CK
0400	Trout Rock Br	171812	87664	80	CK
0500	Just u/s Bride R confl	0	0	0	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	105	19	100	0	80	9	0	0	9	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASHAWEE (ALLOW)**

18/G/03

Tributary of : 18A02 ALLOW

OS Catchment No: 190

OS Grid Ref of Confluence: R 322 165

Date(s) Surveyed: 14/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	-	4	4	3-4	4	-	-	-
0300	4-5	-	-	-	-	-	-	-
0500	4	3	3-4	3-4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality, at the only location assessed which is upstream of Allow River confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Glashawee Br	130319	118913	72	CK
0300	Glashawee Br	131106	118096	72	CK
0500	Br u/s Allow R confl	132190	116771	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	234	8	0	100	3	58	23	0	0	0	16
0300	212	11	0	100	13	52	18	0	0	0	17
0500	188	13	0	100	25	44	15	0	0	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLEN (BANTEER)**

18/G/04

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 392 985

Date(s) Surveyed: 1/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0400	5	-	-	-	-	-	-	-
0600	5	4-5	4-5	4	4-5	4-5	4-5	4-5
0800	5	-	-	-	-	-	-	-
0900	-	4-5	4-5	4-5	4-5	4-5	-	-
1000	5	-	-	-	-	-	-	-
1100	4-5	5	4-5	4	4-5	4-5	5	4-5

Assessment: Continuing satisfactory with high ecological quality recorded at all locations surveyed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glencam Br	142197	87895	80	CK
0400	Grenville Br	0	0	0	CK
0600	Lacka Br	142567	92177	80	CK
0800	0.3km d/s Br at Glen Cottage	0	0	0	CK
0900	Ford S of Coolroe Beg	140341	94419	80	CK
1000	Father Murphy's Br	139150	95851	79	CK
1100	Banteer Br	139451	98205	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	259	4	100	0	12	22	55	0	0	0	11
0600	160	48	100	0	23	34	22	0	7	0	13
0900	109	59	100	0	30	30	18	0	9	0	14
1000	90	71	100	0	38	27	15	0	9	0	12
1100	70	75	100	0	39	26	14	0	10	0	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENABOY**
 Tributary of : 18B05 BRIDE (WATERFORD)
 OS Grid Ref of Confluence: W 995 943
 Date(s) Surveyed: 17/7/2012

18/G/05
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	4	4	4
0300	4	-	-	-	-	-	-	-
0400	3	4	-	-	-	-	-	-
0600	4	4	4	3-4	3-4	3-4	3-4	3-4

Assessment: No change with good and moderate ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballyclough Br	198572	89703	81	WD
0300	Br N of Glenaboy	0	0	0	WD
0400	South Br Tallow	0	0	0	WD
0600	Br u/s Bride R confl	199588	94095	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	86	9	100	0	65	16	0	0	7	0	12
0600	5	18	97	3	74	10	0	1	9	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENAKEEFE**
 Tributary of : 18O08 OWENNASHAD
 OS Grid Ref of Confluence: S 050 017
 Date(s) Surveyed: 8/8/2012

18/G/06
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	5	4-5	4-5	5	4-5	-	-
0300	4-5	-	-	-	-	-	-	-
0400	4-5	5	4-5	4-5	5	5	5	5

Assessment: Continuing satisfactory with high ecological quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glenakeefe Br	206204	105719	74	WD
0300	Br NW of Monalaur	206504	103134	74	WD
0400	Br u/s Owennashad R confl	205194	101657	74	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	222	3	100	0	0	0	100	0	0	0	0
0300	134	11	100	0	20	0	68	0	7	0	6
0400	72	14	100	0	30	4	50	0	9	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENCORRA STREAM**

18/G/15

Tributary of : 18F05 FUNSHION

OS Catchment No: 190

OS Grid Ref of Confluence: R 812 030

Date(s) Surveyed: 11/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	3-4	4	4	3-4	4

Assessment: Improved to good ecological quality. This site which is immediately upstream of a wooded 'Area of Ecological Constraint' had been in 2009 affected by work to facilitate supports for motorway bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Glencorra Br	181405	103115	74	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	37	6	95	5	81	0	3	0	0	0	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENDINE (BLACKWATER)**

18/G/07

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 077 824

Date(s) Surveyed: 17/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	-	-	-	-	-	-	-
0290	4-5	4-5	4	4	3-4	4	4	4
0300	4-5	-	-	-	-	-	-	-
0400	4	-	-	-	-	-	-	-

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SSW of Brown's X-Rds	205234	85666	81	WD
0290	Glendine Ch, E of Ballycondon	206385	83465	81	WD
0300	0.1km d/s St 0290	207055	82758	81	WD
0400	Glendine Br	207178	82641	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	119	5	100	0	39	34	0	0	5	0	22
0290	50	16	100	0	34	22	4	0	29	0	11
0300	23	17	100	0	35	22	4	0	29	0	10
0400	15	17	100	0	35	22	4	0	29	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENLARA**
 Tributary of : 18D01 DALUA
 OS Grid Ref of Confluence: R 308 073
 Date(s) Surveyed: 20/8/2012, 21/8/2012

18/G/08
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4	-	-	-	-	-	-	-
0360	-	3-4	4	3-4	3-4	3-4	3-4	3-4
0400	4-5	4	4	4	4	-	-	-
0500	4-5	5	3	3-4	4	4	4	4

Assessment: No change - continuing with moderate and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br W of Commons South	0	0	0	CK
0360	Br S of Inchantotane	125464	109253	72	CK
0400	Ballyduane Br	127790	107260	72	CK
0500	Ford N of Curraduff	129903	107470	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0360	216	5	0	100	35	22	18	0	0	0	25
0400	166	21	0	100	54	14	18	0	2	0	12
0500	146	25	0	100	61	12	15	0	2	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENNAFALLIA**
 Tributary of : 18B02 BLACKWATER (MUNSTER)
 OS Grid Ref of Confluence: X 097 992
 Date(s) Surveyed: 8/8/2012

18/G/10

OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	2000	2003	2006	2009	2012
0040	-	4-5	5	4-5	4-5	4-5	4-5	4-5	4-5
0050	-	4-5	-	-	-	-	-	-	-
0060	-	4	5	5	4-5	4-5	4-5	-	-
0100	4	4	-	-	-	-	-	-	-
0200	4	4	3-4	4	3-4	4	3-4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br NW of Crow Hill	210881	105078	74	WD
0050	Br u/s Monavugga R confl	0	0	0	WD
0060	LyreBr, 1.5km d/s Monavugga R conf	210857	101124	74	WD
0100	Beallicky Br	0	0	0	WD
0200	Little Br (Cappoquin)	210336	99160	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	168	8	100	0	8	18	41	0	17	0	16
0060	57	24	100	0	34	12	22	0	13	0	19
0200	5	43	97	3	36	21	17	0	10	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENSHELANE**
 Tributary of : 18G10 GLENNAFALLIA
 OS Grid Ref of Confluence: S 115 009
 Date(s) Surveyed: 8/8/2012

18/G/11
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4-5	-	-	-	-	-	-
0300	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Satisfactory with high ecological quality again recorded at the only location sampled.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Knocknasculloge	0	0	0	WD
0300	Just u/s Glennafallia R confl	211604	100900	74	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	45	38	100	0	34	21	19	0	8	0	18

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GOISH** **18/G/12**
 Tributary of : 18B02 BLACKWATER (MUNSTER) OS Catchment No: 190
 OS Grid Ref of Confluence: X 096 920
 Date(s) Surveyed: 16/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	4	4	4	4	3-4	3-4	4
0100	4	-	-	-	-	-	-	-
0200	4	4	4	4	3-4	-	-	-
0300	4	4	4	3-4	4	4	4	4

Assessment: Satisfactory, with good ecological quality, following improvement at the upper location since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Broken Br	215187	89274	82	WD
0100	Goish Br	0	0	0	WD
0200	Coolroe Br	212119	90300	82	WD
0300	Br 2km NW of AGLISH	210470	91409	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	82	7	100	0	33	47	0	0	0	0	21
0200	19	22	100	0	54	23	0	0	5	0	18
0300	5	24	94	6	55	21	0	0	7	0	18

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GRADOGE**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: R 797 137
 Date(s) Surveyed: 9/7/2012

18/G/13
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)																	
	1971	1974	1975	1978	1980	1982	1985	1986	1988	1989	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	4	3-4	-	-	-	-	3	-	-	-	-	-	-	-
0100	-	-	-	-	4	3-4	3	3	-	-	3	-	-	-	-	-	-	-
0200	1	1	1	1	2	1	1	1	2	2-3	2-3	2-3	2-3	3	3-4	3-4	3-4	3-4

Assessment: Slightly polluted since 2003 where seriously and moderately polluted previously. Not shown on OS Catchment Map (Not a baseline river).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Ballynamona Br	182457	111779	74	CK
0100	Br 1km E of Mitchelstown	182424	112936	74	CK
0200	Just u/s Funshion R confl	179869	113521	73	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	92	10	85	15	84	0	6	0	4	0	6
0100	86	27	68	32	79	2	4	0	3	0	13
0200	76	34	52	48	79	1	3	5	2	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNOPPOGE**
 Tributary of : 18O03 OWENAGEERAGH
 OS Grid Ref of Confluence: W 826 892
 Date(s) Surveyed: 18/7/2012

18/K/02

OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	-	3-4	4	3-4	3-4	4	-	-
0500	4	4	4-5	4	4	4	4	4

Assessment: Satisfactory with good ecological quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Ballinwillin Br	182048	87666	81	CK
0500	Br S of Bluebell Br	182631	89133	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	86	7	100	0	73	0	0	0	26	0	1
0500	59	12	100	0	73	0	0	0	24	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LICKY**

18/L/01

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 103 844

Date(s) Surveyed: 17/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0050	4-5	4	3-4	3-4	3-4	3-4	-	-
0100	4-5	-	-	-	-	-	4	4
0120	-	4	4	3-4	4	-	-	-
0150	4-5	4-5	4-5	4	4-5	4	-	-
0200	4	4	4	3-4	4	4	4	4

Assessment: Satisfactory with good ecological quality again recorded at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SE of Pulla	223464	87456	82	WD
0100	Br NE of Glenlicky	220309	85542	0	WD
0120	Br WNW of Kiely's X-Rds	219805	84655	82	WD
0150	Grallagh Br	216726	83850	82	WD
0200	Licky Br	213140	82795	82	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	141	4	100	0	29	56	0	0	0	0	15
0120	106	25	100	0	44	23	0	0	0	0	33
0150	58	34	100	0	42	23	0	0	3	0	32
0200	10	43	99	1	45	21	0	0	8	0	26

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LYRE**
 Tributary of : 18C02 CLYDA
 OS Grid Ref of Confluence: W 558 934
 Date(s) Surveyed: 12/7/2012

18/L/02
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4-5	4	4	4	4	4-5	4	4
0900	4-5	4	4	3-4	4	4-5	-	-
1100	5	4-5	4	4	4	4-5	3	4

Assessment: With reversion to good ecological quality at Atkinson's Bridge since previous survey, both locations were satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Ballysimon	149221	92402	80	CK
0900	Lyre Br	152524	92695	80	CK
1100	Atkinson's Br	155553	93087	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	169	5	100	0	45	28	0	0	11	0	16
0900	128	11	100	0	58	13	0	0	21	0	8
1100	80	24	99	1	63	6	0	0	26	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MONAVUGGA**
 Tributary of : 18G10 GLENNAFALLIA
 OS Grid Ref of Confluence: S 104 022
 Date(s) Surveyed: 8/8/2012

18/M/01
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4	4	4	4-5	3-4	4	4-5

Assessment: Satisfactory with improvement to high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Glennafallia R confl	210066	102275	74	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	103	10	100	0	44	4	15	0	11	0	26

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NAD** **18/N/01**
 Tributary of : 18G04 GLEN (BANTEER) OS Catchment No: 190
 OS Grid Ref of Confluence: W 437 913
 Date(s) Surveyed: 1/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4-5	4-5	4-5	4-5	4-5	-	-
0400	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Nadbeg Br	141262	89855	80	CK
0400	Nad Br	142686	91273	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	200	2	100	0	3	27	39	0	28	0	3
0400	169	16	100	0	16	35	20	0	9	0	21

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OGEEN** **18/O/01**
 Tributary of : 18A05 AWBEG (BUTTEVANT) OS Catchment No: 190
 OS Grid Ref of Confluence: W 635 074
 Date(s) Surveyed: 27/6/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4	4	4	4-5	4-5	4-5
0300	4-5	-	-	-	-	-	-	-
0400	4-5	4-5	4	3	4	4	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality recorded at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballintlea Br	165136	112981	73	CK
0300	Carker Br	162909	108771	73	CK
0400	Labbavacun Br	162602	108149	73	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	114	13	100	0	8	54	11	0	0	0	28
0300	68	35	55	45	24	43	4	0	12	0	17
0400	64	38	51	49	26	40	4	0	15	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWBEG (WATERFORD)**

18/O/02

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 090 952

Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	3-4	3	-	-	-	-	-
0200	4	-	-	-	-	-	-	-
0400	-	4	3-4	3-4	3	3	3	4
0500	3	-	-	-	-	-	-	-
0800	3-4	4	3-4	3-4	4	3-4	4	4

Assessment: Good ecological quality following improvement at upstream location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W of Toortane Ho	202013	96804	81	WD
0200	Br SE of Toortane Ho	0	0	0	WD
0400	Br u/s Owbeg Br	204573	96250	81	WD
0500	Owbeg Bridge	0	0	0	WD
0800	S Br u/s Killahaly Br	207511	96016	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	32	6	57	43	55	4	0	0	41	0	0
0400	18	13	55	45	58	5	0	0	37	0	0
0800	7	23	44	56	55	8	0	1	33	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENAGEERAGH**

18/O/03

Tributary of : 18F04 FLESK (BRIDE)

OS Catchment No: 190

OS Grid Ref of Confluence: W 818 897

Date(s) Surveyed: 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4	4-5	4	4	4	-	-
0300	3-4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Killawillin	184422	89494	81	CK
0300	Bluebell Br	182666	89194	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	76	9	100	0	68	5	0	0	14	0	13
0300	59	23	100	0	72	2	0	0	19	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENANARE**
 Tributary of : 18D01 DALUA
 OS Grid Ref of Confluence: R 366 045
 Date(s) Surveyed: 14/8/2012, 20/8/2012

18/O/04
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4	4	4	4	4	4
0300	5	4-5	4	4	4	-	-	-
0400	5	-	-	-	-	-	-	-
0600	4-5	4	4	4	4	4	4-5	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Barleyhill Br	133278	110758	72	CK
0300	Priory Br	134606	108490	72	CK
0400	Br d/s Priory Br	135221	106540	72	CK
0600	Just u/s Dalua R confl	135221	106540	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	163	13	0	100	84	2	0	0	4	0	11
0300	133	22	0	100	84	4	0	0	4	0	8
0400	110	26	0	100	85	4	0	0	4	0	6
0600	90	29	0	100	86	4	0	0	5	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENBAUN (RATHCOOL)**

18/O/05

Tributary of : 18R01 RATHCOOL

OS Catchment No: 190

OS Grid Ref of Confluence: W 336 937

Date(s) Surveyed: 1/8/2012, 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	4	4	4
0400	3-4	-	-	-	-	-	-	-
0500	3	4-5	4	4	3-4	4	4	4-5
0600	4	-	-	-	-	-	-	-
0700	4-5	5	4-5	4	4-5	4-5	-	-
0800	3	-	-	-	-	-	-	-
0900	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Br NE of Knocknakilla	130515	87079	79	CK
0400	Owenbaun Br	0	0	0	CK
0500	0.5km d/s Owenbaun Br	130739	88449	79	CK
0600	Br NE of Garraneduff	0	0	0	CK
0700	Clashatrake Br	131459	91630	79	CK
0800	Lyon's Br	0	0	0	CK
0900	Bride's Br	133484	93229	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	194	8	100	0	36	22	8	0	0	0	34
0500	179	14	100	0	42	18	14	0	2	0	24
0700	130	22	100	0	56	12	9	0	7	0	16
0900	102	26	100	0	62	10	8	0	6	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENKEAL**
 Tributary of : 18D01 DALUA
 OS Grid Ref of Confluence: R 307 050
 Date(s) Surveyed: 21/8/2012

18/O/06
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4-5	-	-	-	-	-	-	-
0500	4	4-5	4	4	4	4	4	4
0600	4-5	4-5	4-5	4-5	4-5	4	4	4

Assessment: Continuing satisfactory with good ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br u/s Br W of Blueford	124450	106580	72	CK
0500	Clashykinleen Br	124450	106580	72	CK
0600	Long Br	129833	104856	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	191	9	0	100	45	27	9	0	11	0	9
0500	191	9	0	100	45	27	9	0	11	0	9
0600	128	25	0	100	68	12	5	0	7	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNAGLOO**

18/O/07

Tributary of : 18F03 FINNOW (BLACKWATER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 263 918

Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4-5	4	4	4	4-5	4	4
0500	2-3	4-5	4	4	4	4-5	-	-
0600	4	-	-	-	-	-	-	-
0700	4	4-5	4	4	4	4-5	4	4-5

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ahaphooca Br	122203	89308	79	CK
0500	Ferm Br	122933	90847	79	CK
0600	E of Tober	0	0	0	CK
0700	Br u/s Finnow R confl	124737	91480	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	168	4	98	2	47	0	31	0	0	0	22
0500	131	9	68	32	64	0	16	0	3	0	16
0700	108	11	59	41	69	0	14	0	3	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNASHAD**

18/O/08

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 048 989

Date(s) Surveyed: 8/8/2012, 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	4-5	-	-	-	-	-	-	-
0060	-	-	5	5	4-5	4-5	4-5	4-5	4-5
0100	5	-	-	-	-	-	-	-	-
0140	-	4-5	5	4-5	4-5	5	5	4-5	4-5
0200	5	4-5	4	4	3-4	4	4	4	4-5

Assessment: Satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	SW of Castle Dodard	0	0	0	WD
0060	Footbridge nr Moneygorm Br	204662	104198	74	WD
0100	Br at Carrignagower	204652	102481	74	WD
0140	Drumber Br	204680	101653	74	WD
0200	Br u/s Blackwater R confl	204817	98938	81	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	120	18	100	0	12	17	61	0	0	0	10
0100	95	24	100	0	21	17	53	0	0	0	8
0140	58	45	100	0	27	11	47	0	6	0	9
0200	7	53	100	0	32	12	41	0	7	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENTARAGLIN**

18/O/09

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 223 935

Date(s) Surveyed: 30/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4	3-4	4	4	3-4	4	4	3-4
0600	4	3-4	4	4	4	-	-	-
0800	4	-	-	-	-	-	-	-
0900	4	3-4	4	4	4	4	4	4
1000	4	4-5	4-5	4	4	-	-	-
1100	4	4	4	4	4	4-5	4-5	4-5
1200	4-5	4-5	4-5	4-5	4-5	4	4-5	-

Assessment: Mostly satisfactory, with high and good ecological quality, but deterioration, to moderate quality, at uppermost location which is downstream of a farm and forestry.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br d/s Garrison Br	119141	107135	72	CK
0600	Br W of Rascalstreet	119668	105575	72	CK
0800	Br WNW of Kishkeam	0	0	0	CK
0900	Br SW of Dromskarragh More	121937	101179	72	CK
1000	Doon Br	122677	99285	79	CK
1100	Cullen Br	123363	95978	79	CK
1200	Br u/s Blackwater R confl	122167	93694	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	205	12	0	100	55	19	9	0	6	0	11
0600	192	19	0	100	63	13	6	0	4	0	14
0900	153	45	0	100	79	8	6	0	2	0	6
1000	141	53	0	100	82	7	5	0	2	0	5
1100	118	67	0	100	82	5	5	0	4	0	4
1200	109	81	0	100	82	4	5	0	5	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RATHCOOL** **18/R/01**
 Tributary of : 18B02 BLACKWATER (MUNSTER) OS Catchment No: 190
 OS Grid Ref of Confluence: W 329 955
 Date(s) Surveyed: 1/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4	4	4	4	4	4
0300	4-5	-	-	-	-	-	-	-
0400	-	5	4-5	4-5	4	4-5	-	-
0600	4	-	-	-	-	-	-	-
0700	4	4-5	4-5	4-5	4-5	4	4	4-5

Assessment: Satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Finnanfield Br	133294	89608	79	CK
0300	Br d/s Carrigduff R confl	0	0	0	CK
0400	Br nr Killeen	135056	91341	79	CK
0600	Carragraigue Br	0	0	0	CK
0700	Rathcool Br	133463	93988	79	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	183	6	100	0	51	6	25	0	12	0	7
0400	134	23	100	0	52	10	18	0	9	0	10
0700	94	60	100	0	61	9	10	0	9	0	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ROSS (KILLAVULLEN)**

18/R/02

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: W 655 993

Date(s) Surveyed: 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	5	4-5	4-5	4	4	-	-
0300	4	-	-	-	-	-	-	-
0400	4	-	-	-	-	-	-	-
0500	4	5	3-4	3	4	3-4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NE of Toormore	163218	96022	80	CK
0300	Br u/s Killavullen Br	0	0	0	CK
0400	Killavullen Br	0	0	0	CK
0500	0.3km u/s Blackwater R confl	165163	99632	80	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	147	14	100	0	53	21	3	0	5	0	18
0500	37	21	97	3	44	34	2	0	6	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHEEP**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: W 737 116
 Date(s) Surveyed: 10/7/2012

18/S/03
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0150	4	-	-	-	-	-	-	-
0200	3	4	4	4	4	4	4	4
0300	4	-	-	-	-	-	-	-
0400	4	4	4	4	4	4	4-5	4
0600	4	4	4	4	4	4	4-5	4

Assessment: Continuing satisfactory with good ecological quality again recorded at the three locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Br d/s Ballintober Br	0	0	0	LK
0200	Annaglug Br	174491	120039	73	LK
0300	Ahaphuca Br	0	0	0	CK
0400	Kilclooney Br	173856	115337	73	CK
0600	O'Brien's Br	173809	111789	73	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	123	19	100	0	81	8	0	0	8	0	3
0400	77	72	100	0	76	9	3	0	6	0	6
0600	59	85	94	6	77	8	3	0	7	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TOURIG**

18/T/03

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 093 804

Date(s) Surveyed: 17/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4	-	-	-	-	-
0300	4-5	4	4	4	4	4	4	4*
0400	4-5	-	-	-	-	-	-	-
0500	4-5	4-5	4	4	4	-	-	-
0700	4	4-5	4	4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality at both locations but with some localized siltation due to a cattle watering area at the upper sample site.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SE of Ballycolman	201388	83511	81	CK
0300	Br N of Meenoughter	201388	83511	81	CK
0400	Br at Inch	201562	81478	81	CK
0500	Br nr Youghalpark	203894	79923	81	CK
0700	Br SW of Tourig Hall	206436	80222	81	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	77	17	100	0	61	22	1	0	11	0	5
0300	77	17	100	0	61	22	1	0	11	0	5
0400	46	22	100	0	59	22	1	0	14	0	4
0500	20	31	99	1	57	16	1	0	23	0	3
0700	7	41	93	7	58	13	1	0	27	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **WATERGRASSHILL STREAM** **18/W/01**
 Tributary of : 18F04 FLESK (BRIDE) OS Catchment No: 190
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 19/7/2012

Formerly reported as the South Branch of the Flesk (Bride) 18F04

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
1200	3	3	3	3	n/a	3	3

Assessment: Continuing unsatisfactory with poor ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1200	Condonstown Br	177186	85682	80	CK

SWRBD: HYDROMETRIC AREA NO. 18

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Allow	2012	18A02	24.3	9.8	0.0	0.0	0.0	34.0
Araglin (Blackwater)	2012	18A03	5.6	16.4	0.0	0.0	0.0	22.0
Awbeg (Buttevant) East	2012	18A08	0.0	13.0	0.0	0.0	0.0	13.0
Awbeg (Buttevant) West	2012	18A09	0.0	8.3	0.0	3.2	0.0	11.5
Awbeg (Buttevant) Main Channel	2012	18A05	6.3	16.1	9.4	5.8	0.0	37.5
Awnaskirtaun	2012	18A07	0.0	7.0	0.0	0.0	0.0	7.0
Ballard Stream	2012	18B10	0.0	0.0	1.0	0.0	0.0	1.0
Ballyclogh Stream	2012	18B08	0.0	0.0	2.5	3.5	0.0	6.0
Behanagh	2012	18B01	5.0	0.5	0.0	0.0	0.0	5.5
Blackwater (Munster)	2012	18B02	56.8	84.3	0.0	0.0	0.0	141.0
Bregoge	2012	18B04	0.0	8.0	0.0	0.0	0.0	8.0
Bride (Blackwater)	2012	18B05	0.0	55.0	0.0	0.0	0.0	55.0
Brogeen	2012	18B06	0.0	16.0	0.0	0.0	0.0	16.0
Clyda	2012	18C02	21.5	1.0	0.0	0.0	0.0	22.5
Coom	2012	18C03	0.0	0.0	4.0	0.0	0.0	4.0
Crinnaghtane	2012	18C07	0.0	1.0	0.0	0.0	0.0	1.0
Cullavaw Stream	2012	18C04	0.0	0.1	4.4	0.0	0.0	4.5
Curraheen (Cork)	2012	18C06	0.0	4.0	0.0	0.0	0.0	4.0
Dalua	2012	18D01	8.5	14.5	0.0	0.0	0.0	23.0
Douglas (Araglin)	2012	18D03	5.0	0.5	0.0	0.0	0.0	5.5
Douglas (Bride)	2012	18D02	0.0	7.1	3.9	0.0	0.0	11.0
Farahy	2012	18F01	0.0	7.0	3.0	0.0	0.0	10.0
Farnane	2012	18F06	0.0	3.0	0.0	0.0	0.0	3.0
Finisk	2012	18F02	10.0	16.0	0.0	0.0	0.0	26.0
Finnow (Blackwater)	2012	18F03	0.0	12.0	0.0	0.0	0.0	12.0
Flesk (Bride)	2012	18F04	0.0	10.0	0.0	0.0	0.0	10.0
Funshion	2012	18F05	38.0	15.1	0.0	0.0	0.0	53.0
Glashanabrack	2012	18G02	0.0	2.0	0.0	0.0	0.0	2.0
Glashawee (Allow)	2012	18G03	0.0	5.0	0.0	0.0	0.0	5.0
Glen (Banteer)	2012	18G04	17.0	0.0	0.0	0.0	0.0	17.0
Glenaboy	2012	18G05	0.0	7.0	0.5	0.0	0.0	7.5
Glenakeefe	2012	18G06	5.5	0.0	0.0	0.0	0.0	5.5
Glencorra Stream	2012	18G15	0.0	1.5	0.0	0.0	0.0	1.5
Glendine (Blackwater)	2012	18G07	0.0	4.5	0.0	0.0	0.0	4.5
Glenlara	2012	18G08	0.0	6.5	2.5	0.0	0.0	9.0
Glennafallia	2012	18G10	8.5	0.5	0.0	0.0	0.0	9.0
Glenshelane	2012	16G11	5.0	0.0	0.0	0.0	0.0	5.0
Goish	2012	18G12	0.0	12.0	0.0	0.0	0.0	12.0
Gradoge	2012	18G13	0.0	0.0	9.5	0.0	0.0	9.5
Knoppoge	2012	18K02	0.0	4.0	0.0	0.0	0.0	4.0
Licky	2012	18L01	0.0	13.1	2.0	0.0	0.0	15.0
Lyre	2012	18L02	0.0	9.0	0.0	0.0	0.0	9.0
Monavugga	2012	18M01	3.0	0.0	0.0	0.0	0.0	3.0
Nad	2012	18N01	6.0	0.0	0.0	0.0	0.0	6.0
Ogeen	2012	18O01	11.0	0.0	0.0	0.0	0.0	11.0
Owbeg (Waterford)	2012	18O02	0.0	8.0	0.0	0.0	0.0	8.0

Hydrometric Area 18 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Owenageeragh	2012	18O03	0.0	4.0	0.0	0.0	0.0	4.0	
Owenanare	2012	18O04	0.0	10.0	0.0	0.0	0.0	10.0	
Owenbaun (Rathcool)	2012	18O05	8.5	1.5	0.0	0.0	0.0	10.0	
Owenkeale	2012	18O06	0.0	12.0	0.0	0.0	0.0	12.0	
Owennagloo	2012	18O07	4.3	2.7	0.0	0.0	0.0	7.0	
Owennashad	2012	18O08	11.0	0.0	0.0	0.0	0.0	11.0	
Owentaraglin	2012	18O09	13.4	12.0	5.7	0.0	0.0	31.0	
Rathcool	2012	18R01	6.5	5.5	0.0	0.0	0.0	12.0	
Ross (Killavullen)	2012	18R02	0.0	6.0	0.0	0.0	0.0	6.0	
Sheep	2012	18S03	0.0	12.0	0.0	0.0	0.0	12.0	
Tourig	2012	18T03	0.0	10.0	0.0	0.0	0.0	10.0	
Watergrasshill	2012	18W01	0.0	0.0	0.0	1.5	0.0	1.5	
Total Length (km) surveyed this cycle			280.5	474.2	48.4	14.0	0.0	817.0	
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0	
Current Length (km) Adjusted			280.5	474.2	48.4	14.0	0.0	817.0	
Percentages			34.3	58.0	5.9	1.7	0.0	100.0	
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2010-'12	754.7	48.4	14.0	0.0	817.0	
<i>Percentages</i>				92.4	5.9	1.7	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-09	280.0	465.4	53.6	16.5	1.5	817.0
<i>Percentages</i>				34.3	57.0	6.6	2.0	0.2	100.0
Changes since Previous Survey (km)				0.5	8.8	-5.2	-2.6	-1.5	0.0

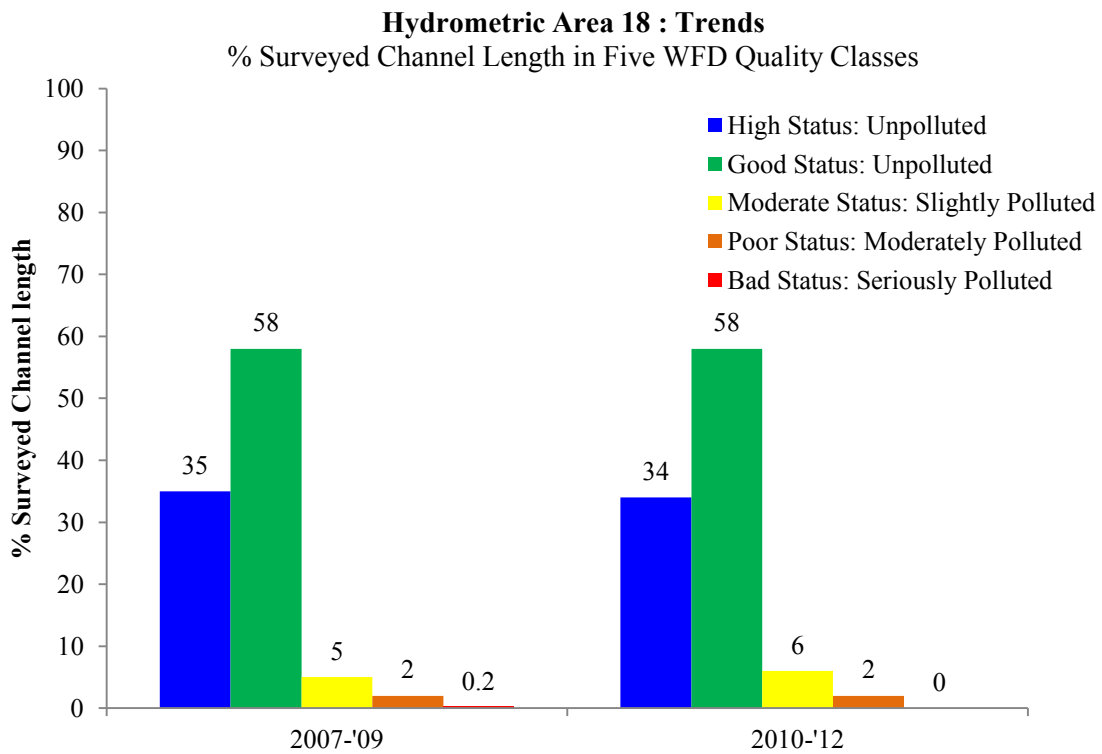
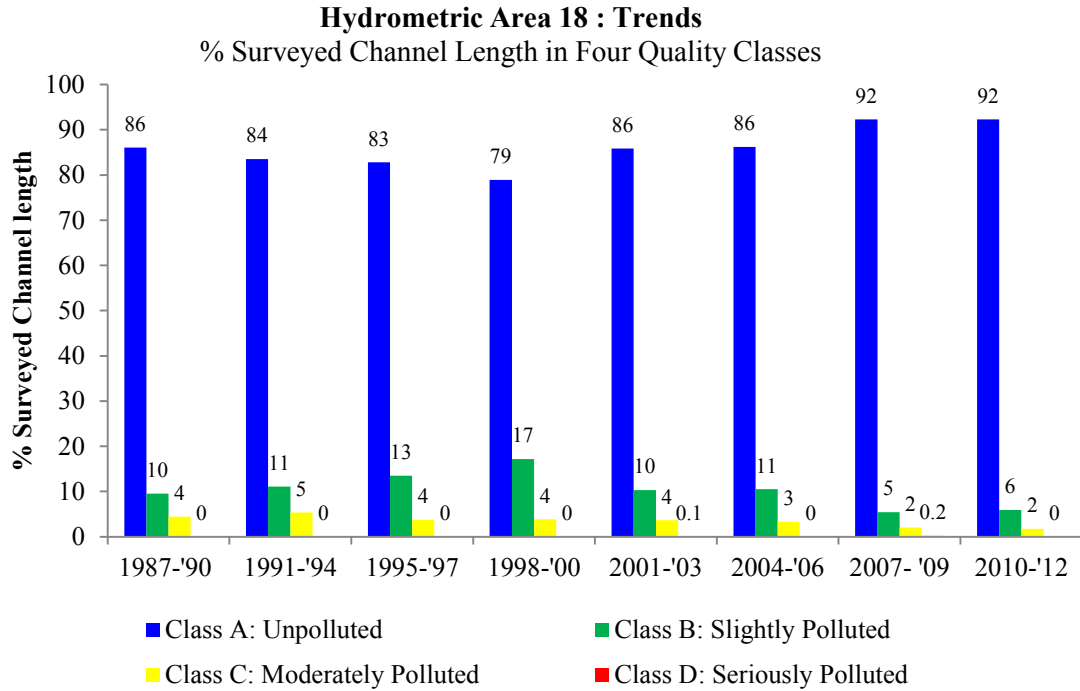
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	41	39
Good	87	89
Moderate	12	10
Poor	5	4
Bad	1	0
Total number of sites surveyed	146	142
Total number of sites at unsatisfactory status	18	14



HYDROMETRIC AREA 20 (Bandon – Ilen)	
ARGIDEEN	20A02
BALLINSPIGGLE	20B09
BALLYMAHANE	20B01
BANDON	20B02
BAWNAKNOCKANE	20B03
BEALANASCARTANE	20B08
BLACKWATER (BANDON)	20B04
BRINNY	20B07
BURRANE	20B10
CAHA	20C01
CARHOO	20C06
CASHEL (CORK)	20C02
CLODAGH	20C03
CLONAKILTY STREAM	20C05
CULLENAGH LAKE STREAM	20C04
DIRTY	20D01
GLASHAGLORAGH (CORK)	20G02
ILEN	20I01
KILBRITTAIN	20K01
LEAMAWADDRA	20L01
LEAP STREAM	20L04
MINANE	20M01
OWENKEAGH	20O01
OWENNASHINGAUN	20O02
OWNAHINCHY	20O03
RATHRUANE	20R01
ROURY	20R02
SAIVNOSE	20S01
SALL	20S02
STICK	20S03
TINNEEL STREAM	20T02

River and Code : **ARGIDEEN**
 Tributary of : Sea - at Courtmacsherry
 OS Grid Ref of Confluence: W 473 437
 Date(s) Surveyed: 25/9/2012, 26/9/2012

20/A/02
 OS Catchment No: 232

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1976	1981	1985	1989	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	4	-	-	-	-	-	-	-
0015	-	-	-	-	4	-	-	-	-	-	-	-
0030	-	-	-	-	4	3-4	4	4-5	4-5	4	4	4
0040	-	-	-	-	3-4	-	-	-	-	-	-	-
0050	-	-	-	-	4	4	4	4	4	4	-	-
0060	-	-	-	-	4	4	4-5	3-4	4	4	4	4
0070	-	-	-	-	4	-	-	-	-	-	-	-
0100	5	5	5	4	3-4	4	4	3-4	4	4	4*	4
0150	-	-	-	-	3-4	-	-	-	-	-	-	-
0200	5	5	5	3-4	4	4	4	4	4	3-4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Second Br u/s Old Flax Mill	0	0	0	CK
0015	First Br u/s Old Flax Mill	0	0	0	CK
0030	Br u/s Glashagloragh R confl	128862	44332	89	CK
0040	Br d/s Glashagloragh River	0	0	0	CK
0050	Gearagh Br	132316	45572	89	CK
0060	Ballaghcummer Br	136233	45411	89	CK
0070	Ford NW of Shannonvale	139099	44246	89	CK
0100	Lisselane Br	140467	44445	89	CK
0150	Ford near Castleview Mills	142438	44570	89	CK
0200	Kilmaloda Br	145181	45571	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	76	10	100	0	74	3	2	0	12	0	9
0050	52	28	100	0	74	4	2	0	13	0	7
0060	38	64	100	0	69	2	1	0	25	0	4
0070	29	75	100	0	68	2	1	0	27	0	3
0100	25	79	100	0	67	1	1	0	27	0	3
0150	19	82	100	0	67	2	1	0	28	0	3
0200	7	90	100	0	67	2	1	0	27	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINSPITTLE**

20/B/09

Tributary of : Sea - Kinsale Harbour

OS Catchment No: w2

OS Grid Ref of Confluence: W 568 510

Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	4	3-4	4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality, despite some enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br in Ballinspittle	158719	46103	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	15	13	100	0	64	0	0	3	34	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYMAHANE**

20/B/01

Tributary of : 20S02 SALL

OS Catchment No: 229

OS Grid Ref of Confluence: W 493 586

Date(s) Surveyed: 25/7/2012, 26/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	4	-	-
0500	4	-	-	-	-	-	-	-
0700	-	4	4-5	4-5	4	4	4-5	4-5
0800	4	-	-	-	-	-	-	-
1000	4	4	4-5	4	4	4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NNW of Tullyglass	141394	58077	86	CK
0500	Roughgrove Br	144002	57313	86	CK
0700	Alcock's Br	145182	57347	86	CK
0800	Ballygarvey Br	146320	57740	86	CK
1000	Ballymahane Br	149040	58753	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	105	4	100	0	77	0	0	0	23	0	0
0500	69	10	100	0	68	0	0	0	32	0	0
0700	53	14	100	0	67	0	0	0	33	0	0
0800	44	17	100	0	68	0	0	0	32	0	0
1000	27	21	100	0	73	0	0	0	27	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BANDON**
 Tributary of : Sea - Kinsale Harbour
 OS Grid Ref of Confluence: W 653 474
 Date(s) Surveyed: 24/7/2012, 25/7/2012

20/B/02

OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1976	1978	1982	1986	1989	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	-	4-5	4-5	4	4-5	4-5	4-5	-	-
0100	5	4-5	4-5	4-5	4	3-4	-	-	-	-	-	-	-
0150	-	-	-	-	4-5	4	4	4	4	4	4	4	4
0200	-	-	4-5	4-5	4-5	4	-	-	-	-	-	-	-
0300	5	4-5	4-5	4	4	4	4	4	3-4	3-4	4	3-4	3-4
0400	5	4-5	4	4	4	3-4	4	3-4	3-4	3-4	4	4	4
0500	5	4-5	4	3-4	3-4	3-4	-	-	-	-	-	-	-
0550	-	-	-	-	-	4	4-5	4	3-4	4	3-4	3-4	3-4
0600	5	5	5	3-4	3-4	4	4-5	4	4	4	-	3-4	3-4
0700	5	4-5	4	3-4	4	3-4	4-5	4	4	4	4	4	4
0780	-	-	-	-	-	3-4	-	-	-	-	-	-	-
0800	5	3	2-3	3	4	3	3-4	3	3	3	4	4	4
0850	-	-	-	-	-	3-4	-	-	-	-	-	-	-
0900	5	4-5	4	4	4	3-4	4	4	4	4	4	4	4

Assessment: Mostly satisfactory, with good ecological quality, but only moderate downstream of Dunmanway and Ballineen (at Enniskean) with improvement since previous survey below Enniskean.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Keenrath Br	118687	56660	85	CK
0100	Br u/s Ardcahan Br	0	0	0	CK
0150	Ardcahan Br	124259	55684	86	CK
0200	Br near River View	0	0	0	CK
0300	Bealboy Br	125690	51288	89	CK
0400	Manch Br	129274	52082	86	CK
0500	Ballineen Br	0	0	0	CK
0550	Enniskean Br	135743	54019	86	CK
0600	Murragh Br	138063	54062	86	CK
0700	Baxter's Br	144140	54621	86	CK
0780	Bandon Br	0	0	0	CK
0800	1.5km d/s Bandon Br	150489	55904	87	CK
0850	French's Wood	0	0	0	CK
0900	Inishannon Br	154155	57051	87	CK

Hydrometric Area 20 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	91	17	100	0	22	25	46	0	0	0	7
0150	74	97	100	0	39	15	27	0	3	0	16
0300	51	158	100	0	49	11	21	1	6	0	12
0400	44	202	100	0	55	10	17	0	9	0	10
0550	32	283	100	0	61	8	12	0	11	0	8
0600	29	338	100	0	65	7	10	0	12	0	7
0700	21	371	100	0	65	6	9	0	13	0	6
0800	10	416	100	0	65	6	8	1	14	0	6
0900	5	514	100	0	66	5	7	1	16	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BAWNAKNOCKANE** **20/B/03**
 Tributary of : Sea - Roaring Water Bay OS Catchment No: 236
 OS Grid Ref of Confluence: V 989 358
 Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	-	-	-	-	-	-	-
0200	3	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Coosane	0	0	88	CK
0200	Ford N of Coolcaha	98606	37606	88	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	19	10	100	0	56	17	27	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BEALANASCARTANE**

20/B/08

Tributary of : 20B02 BANDON

OS Catchment No: 229

OS Grid Ref of Confluence: W 267 517

Date(s) Surveyed: 24/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	3	4	3-4	4	3-4	4	4
0300	4	4	4	4	4	4	-	-
0500	4	-	-	-	-	-	-	-
0700	4	4	3-4	3-4	4	4	4	4
0800	2/0	4	4	4	4	3	4	3-4

Assessment: Mostly satisfactory, with good ecological quality, but deterioration since previous survey to moderate quality at West Bridge upstream of Bandon River confluence (0800).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Curraghlicky Br	122357	46732	89	CK
0300	Br SE of Drinagh East	125336	47568	89	CK
0500	Bealanascartane Br	0	0	0	CK
0700	(E) Br u/s Bandon R confl	126687	51379	89	CK
0800	(W) Br u/s Bandon R confl	126683	51409	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	99	5	100	0	73	9	7	0	11	0	0
0300	89	11	100	0	76	6	3	0	12	3	0
0700	53	24	100	0	81	4	2	0	12	1	0
0800	52	24	100	0	81	4	2	0	12	1	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (BANDON)**

20/B/04

Tributary of : 20B02 BANDON

OS Catchment No: 229

OS Grid Ref of Confluence: W 319 535

Date(s) Surveyed: 24/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0050	4	-	-	-	-	-	-	-
0100	3-4	-	-	-	-	-	-	-
0300	4	4	4	4	4-5	4-5	4	4
0600	4	4-5	4	3-4	3-4	3-4	-	-
0800	4	4-5	4-5	4-5	4-5	4-5	4-5	4

Assessment: Good ecological quality at both locations which represents loss in high quality at the lowermost location where a tributary stream was seriously polluted in July 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br N of Lisheenleigh	0	0	0	CK
0100	Br ENE of Lisheenleigh	0	0	0	CK
0300	Geara Br	129268	59187	86	CK
0600	Br NW of Teenah	129118	56374	86	CK
0800	Blackwater Br	131203	53534	86	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	103	20	100	0	74	11	0	0	6	0	9
0600	64	31	100	0	74	8	0	0	12	0	6
0800	41	53	100	0	77	5	0	0	15	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BRINNY**
 Tributary of : 20B02 BANDON
 OS Grid Ref of Confluence: W 532 573
 Date(s) Surveyed: 26/7/2012

20/B/07
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)											
	1976	1978	1982	1986	1989	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	4	-	-	-	-	-	-	-
0030	-	-	-	-	4	4	4	4	4	4	4	4-5
0070	-	-	-	-	4-5	4	3-4	4	3-4	4	4	4
0090	-	-	-	-	4	-	-	-	-	-	-	-
0100	-	5	5	4-5	4-5	4-5	4	4	4-5	4-5	4-5	4-5
0200	4-5	4	4	4	4-5	4-5	4-5	4	4	-	-	-

Assessment: Continuing satisfactory with good and high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br N of Templemartin	0	0	0	CK
0030	Br S of Aghnamorroge Cross Roads	148919	64266	87	CK
0070	Tuough Br	151380	62171	87	CK
0090	Br nr Ballinacurra Ho	0	0	0	CK
0100	Brinny Br	151672	59131	87	CK
0200	Downdaniel Br	153129	57380	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	108	6	100	0	74	0	0	0	17	0	9
0070	55	23	100	0	73	2	0	0	22	0	4
0100	17	81	99	1	71	2	0	0	25	0	2
0200	7	89	98	2	70	2	0	0	26	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BURRANE** **20/B/10**
 Tributary of : Argideen Estuary OS Catchment No: 232
 OS Grid Ref of Confluence: W 473 455
 Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	-	-	-	-	-	-	-
0200	3	3	3-4	3-4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br near Kilshinihan	0	0	0	CK
0200	Burrane Br	146980	46186	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	23	4	100	0	69	7	0	0	23	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAHA**
 Tributary of : 20B02 BANDON
 OS Grid Ref of Confluence: W 241 558
 Date(s) Surveyed: 23/7/2012

20/C/01
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	-	4-5	4-5	4-5	4	4-5	4	4-5
0400	4	4	4-5	4	4	4	-	-
0500	4	-	-	-	-	-	-	-
0700	4	4-5	4	4	4	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Coolcaum	118397	61836	85	CK
0400	Poulnaberry Br	121926	59246	85	CK
0500	Br SW of Aultaghreagh	0	0	0	CK
0700	Caha Br	124342	56018	86	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	162	5	100	0	1	24	75	0	0	0	0
0400	104	15	100	0	39	14	35	0	3	0	9
0700	76	39	100	0	45	15	14	0	3	0	23

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARHOO** **20/C/06**
 Tributary of : Sea - Clonakilty Bay OS Catchment No: x2
 OS Grid Ref of Confluence: W 377 397
 Date(s) Surveyed: 25/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0300	4	4	4	4	4	4	4	4

Assessment: Satisfactory, with good ecological quality, despite physical modifications.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br SE of Carhoo	137048	39547	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	6	4	100	0	70	0	0	0	30	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CASHEL (CORK)**

20/C/02

Tributary of : 20R02 ROURY

OS Catchment No: 234

OS Grid Ref of Confluence: W 242 386

Date(s) Surveyed: 25/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0400	4	-	-	-	-	-	-	-
0600	3	3-4	3-4	4	4	4	-	-
0800	4	4-5	4	4	4-5	4	4	4
0810	2	3	4	4	4-5	-	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Fourth Br d/s Reanascreena	0	0	0	CK
0600	Br NE of Cashel	126397	40176	89	CK
0800	Connonagh Br (RHS)	124373	38696	89	CK
0810	Connonagh Br (LHS)	124373	38696	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	119	4	100	0	69	0	0	0	21	0	10
0800	39	7	100	0	76	3	0	0	16	0	5
0810	39	7	100	0	76	3	0	0	16	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLODAGH**
 Tributary of : 20I01 ILEN
 OS Grid Ref of Confluence: W 126 473
 Date(s) Surveyed: 19/9/2012

20/C/03
 OS Catchment No: 233

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0300	-	4-5	4-5	4-5	4-5	4-5	-	-
0400	4-5	4-5	4	4-5	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Pookeen Br	114437	49868	89	CK
0400	Ahanafunshion Br	112835	47357	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	152	4	100	0	33	7	44	0	16	0	0
0400	80	10	100	0	51	6	21	0	21	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLONAKILTY STREAM**

20/C/05

Tributary of : Sea - Clonakilty Bay

OS Catchment No: x2

OS Grid Ref of Confluence: W 387 413

Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	n/s	-	-
0300	3-4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality, despite some enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br ESE of Garralacka	135645	41136	89	CK
0300	Br in Clonakilty	137697	41310	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	23	4	100	0	70	0	0	0	30	0	0
0300	8	17	100	0	63	0	0	1	37	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CULLENAGH LAKE STREAM** **20/C/04**
 Tributary of : 20B02 BANDON OS Catchment No: 229
 OS Grid Ref of Confluence: W 168 558
 Date(s) Surveyed: 23/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4-5	4	4	4

Assessment: Continuing satisfactory with good ecological quality but with some slight siltation.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Farnanes Br	116621	55137	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	114	7	100	0	31	12	50	0	1	0	5

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DIRTY**
 Tributary of : 20B02 BANDON
 OS Grid Ref of Confluence: W 240 523
 Date(s) Surveyed: 24/7/2012

20/D/01
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)										
	1978	1982	1985	1989	1994	1997	2000	2003	2006	2009	2012
0005	-	-	-	4	4	4	4	4	4	-	-
0010	-	-	-	3-4	-	-	-	-	-	-	-
0050	-	3-4	3-4	3	4	4	4	3-4*	4	4	3-4
0100	3-4	3-4	3-4	3-4	4	4	3-4	4	4	-	-

Assessment: Unsatisfactory following slight deterioration to moderate ecological quality since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0005	Sillahertane Br	117892	51163	89	CK
0010	Br N of Milane Ho	0	0	0	CK
0050	Br NW of Tonafora	121880	52220	85	CK
0100	Br u/s Bandon R confl	123542	52544	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0005	110	2	100	0	37	23	32	0	8	0	0
0050	61	16	100	0	64	8	14	0	10	0	4
0100	57	26	100	0	61	9	15	1	8	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASHAGLORAGH (CORK)**

20/G/02

Tributary of : 20A02 ARGIDEEN

OS Catchment No: 232

OS Grid Ref of Confluence: W 293 443

Date(s) Surveyed: 25/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	3	-	-	-	-	-	-	-
0200	3-4	3	3-4	3-4	4	4	-	-
0400	4-5	3-4	4	4	4	4	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Kippagh Br	0	0	0	CK
0200	Kippagh Br	125816	45072	89	CK
0400	Inchinattin Br	129127	44758	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	139	4	100	0	64	16	11	0	0	0	9
0400	77	9	100	0	68	10	5	0	6	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **I LEN**
 Tributary of : Sea - Baltimore Bay
 OS Grid Ref of Confluence: W 073 315
 Date(s) Surveyed: 19/9/2012, 20/9/2012

20/I/01

OS Catchment No: 233

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1976	1981	1985	1989	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	4-5	4-5	4-5	4	4-5	-	-
0060	-	-	-	-	4-5	-	-	-	-	-	-	-
0100	5	5	5	4-5	5	5	4-5	4-5	4	4-5	4-5	4
0140	-	-	-	-	4-5	-	-	-	-	-	-	-
0160	-	-	-	-	-	4-5	4-5	4-5	4	4	4	4-5
0200	5	5	5	4-5	4	-	-	-	-	-	-	-
0240	-	-	-	-	4	3-4	4	4	4-5	-	-	-
0300	5	4-5	4-5	4	3-4	3-4	4	4	4	4	4	4-5

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Castledonovan Br	111395	49341	89	CK
0060	Just u/s Clodagh R confl	0	0	0	CK
0100	Moyny Br	111517	46628	89	CK
0140	Ilen Br	0	0	0	CK
0160	Br NW of Bishops Village	110509	42956	89	CK
0200	Br near Madore	0	0	0	CK
0240	Just u/s Saivnose R confl	112031	40123	89	CK
0300	Ballyhilty Br	111765	36352	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	133	8	100	0	16	2	59	0	24	0	0
0100	67	29	100	0	43	3	32	0	21	0	0
0160	22	103	100	0	63	4	18	0	12	0	3
0240	11	139	100	0	65	5	17	0	10	0	3
0300	5	224	100	0	67	4	12	0	12	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILBRITTAIN**
 Tributary of : Sea - Courtmacsherry
 OS Grid Ref of Confluence: W 532 468
 Date(s) Surveyed: 26/9/2012

20/K/01
 OS Catchment No: w2

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	-	4	4	4	4	4-5	-	-
0300	4	4	4	3-4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Maulmane Br	150412	48890	87	CK
0300	Kilbriittain Br	152496	46951	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	41	11	100	0	77	2	0	0	20	0	0
0300	12	18	100	0	72	4	0	0	24	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LEAMAWADDRA**

20/L/01

Tributary of : Sea - Roaring Water Bay

OS Catchment No: 235

OS Grid Ref of Confluence: W 019 342

Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4-5	4-5	4-5	4-5	-	-
0400	4	4	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW of Derreenard	101990	37974	88	CK
0400	Crooked Br	102293	34843	88	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	43	11	100	0	50	3	41	0	0	0	6
0400	12	19	100	0	52	2	36	0	6	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LEAP STREAM**

20/L/04

Tributary of : Glandore Harbour

OS Catchment No: y2

OS Grid Ref of Confluence: W 207 368

Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	80m u/s Leap Br	120711	37092	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	15	5	100	0	80	0	0	0	20	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MINANE**
 Tributary of : Sea - Ringabella Bay
 OS Grid Ref of Confluence: W 760 569
 Date(s) Surveyed: 27/9/2012

20/M/01
 OS Catchment No: u2

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	3-4	3-4	3-4	3-4	4	4	3	4
0200	3-4	3-4	3	3	3	3	-	-

Assessment: Improved with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Ballyfeard	172036	55664	87	CK
0200	Minane Br	174340	56680	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	7	8	100	0	44	0	0	0	56	0	0
0200	4	28	100	0	47	4	0	0	49	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENKEAGH**
 Tributary of : 20A02 ARGIDEEN
 OS Grid Ref of Confluence: W 452 457
 Date(s) Surveyed: 26/9/2012

20/O/01
 OS Catchment No: 232

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	3-4	3-4	3-4	3-4	4	3-4	4	4
0400	3	-	-	-	-	-	-	-
0500	4	-	-	-	-	-	-	-
0600	4	4	3-4	3-4	4	4	4	4

Assessment: Good ecological quality again at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ford nr Tullig	140134	47970	89	CK
0400	Ballinascarty Br	0	0	0	CK
0500	Br u/s Skeaf Br	0	0	0	CK
0600	Skeaf Br	144073	46851	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	45	11	100	0	80	0	0	0	20	0	0
0600	21	39	100	0	70	5	0	0	25	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNASHINGAUN**

20/O/02

Tributary of : 20I01 ILEN

OS Catchment No: 233

OS Grid Ref of Confluence: W 095 445

Date(s) Surveyed: 20/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0400	4-5	4	4-5	4-5	4	4-5	-	-
0500	4-5	-	-	-	-	-	-	-
0700	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Trawlebane Br	104989	48101	85	CK
0400	Dromore Br	106164	45624	88	CK
0500	Br nr Dromore Cottage	0	0	0	CK
0700	Inchingerig Br	109028	45278	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	119	7	100	0	34	16	45	0	0	0	5
0400	49	24	100	0	53	10	27	0	3	0	6
0700	37	36	100	0	61	7	22	0	4	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWNAHINCHY**

20/O/03

Tributary of : Sea - Roscarbery Bay

OS Catchment No: x2

OS Grid Ref of Confluence: W 307 353

Date(s) Surveyed: 25/9/2012

Station Nos.	1989	1994	1997	2000	2003	Biological Quality Ratings (Q Values)			
						2006	2007	2009	2012
0080	-	4	3-4	4	4	4	-	4	4
0100	4	-	-	-	-	-	-	-	-
0200	1	3-4	3	4	4	4	-	-	-
0400	3-4	4	4	4	4	2	3-4	4	4

Assessment: Good ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br S of Bealad	131684	42450	89	CK
0100	Ballynavar Br	0	0	0	CK
0200	Kilruane Br	132692	38569	89	CK
0400	Br u/s Ownahinchy Br	130863	36552	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	80	2	100	0	49	0	0	0	51	0	0
0200	43	13	100	0	70	0	0	0	30	0	0
0400	11	17	100	0	73	0	0	0	27	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RATHRUANE**

20/R/01

Tributary of : 20B03 BAWNAKNOCKANE

OS Catchment No: 236

OS Grid Ref of Confluence: V 989 358

Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	3	3-4	3-4	4	4	-	-
0400	4	4	4	4	4	4-5	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SE of Raheenroe	94908	36536	88	CK
0400	Coolagh Br	98128	35855	88	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	68	2	100	0	70	3	26	0	0	0	0
0400	18	12	100	0	56	1	33	0	8	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ROURY**
 Tributary of : Sea - Mill Cove
 OS Grid Ref of Confluence: W 267 348
 Date(s) Surveyed: 24/9/2012, 25/9/2012

20/R/02
 OS Catchment No: 234

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	4	4
0400	4	4	4	4	4	-	-	-
0700	4	-	-	-	-	-	-	-
0800	4	4-5	4	4	4-5	4-5	4	4
0900	3-4	-	-	-	-	-	-	-
1000	3-4	4	4	4	4	3-4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Corran Br	121676	40257	89	CK
0400	Third Br d/s Corran Lake	123063	39858	89	CK
0700	Br S of Glenville	0	0	0	CK
0800	Inchnanoon Br	124966	37841	89	CK
0900	Roury Br	0	0	0	CK
1000	Ballyvireen Br	126420	35390	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	66	7	100	0	77	3	15	0	5	0	0
0400	62	15	100	0	79	3	9	0	9	0	0
0800	29	27	100	0	80	5	5	0	9	0	1
1000	6	35	100	0	79	4	4	0	11	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SAIVNOSE**
 Tributary of : 20I01 ILEN
 OS Grid Ref of Confluence: W 121 400
 Date(s) Surveyed: 24/9/2012

20/S/01
 OS Catchment No: 233

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	-	4-5	4	4	4	4	4	4
0300	4	-	-	-	-	-	-	-
0400	4	4	4	4	4	4	4	4
0600	3-4	4	-	-	-	-	-	-
0900	4	4-5	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Coomatallin Br	121556	44375	89	CK
0300	Reavouler Br	0	0	0	CK
0400	Carrigbaun Br	117103	42577	89	CK
0600	Br SE of Bredagh Cross Rds	0	0	0	CK
0900	Derreeny Br	112389	39919	89	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	100	7	100	0	61	5	20	0	0	0	14
0400	65	27	100	0	71	5	8	0	9	0	7
0900	13	44	100	0	78	4	5	0	6	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SALL**
 Tributary of : 20B07 BRINNY
 OS Grid Ref of Confluence: W 513 519
 Date(s) Surveyed: 25/7/2012

20/S/02
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	-	3	4	3-4	4	4	4	4
0400	4	-	-	-	-	-	-	-
0500	-	4	4-5	4	4	4	4	4
0600	4	-	-	-	-	-	-	-
0700	3-4	4	4	3-4	4	-	-	-

Assessment: Continuing satisfactory with good ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	First Br d/s Tanyard Br	144852	60430	86	CK
0400	Br near Shanacloyne	0	0	0	CK
0500	Scarthamuck Br	147464	59584	86	CK
0600	Br u/s Ballymahane R confl	0	0	0	CK
0700	0.8km u/s Brinny R confl	151047	59199	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	98	6	100	0	75	0	0	0	13	0	12
0500	48	17	100	0	78	7	0	0	11	0	4
0700	19	51	100	0	72	3	0	0	24	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **STICK**
 Tributary of : Sea - Oyster Haven
 OS Grid Ref of Confluence: W 687 493
 Date(s) Surveyed: 27/9/2012

20/S/03
 OS Catchment No: 231

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0240	-	4	3-4	4	4-5	4	4	4
0300	3	3	3	3	3-4	4	-	-
0500	3-4	-	-	-	-	-	-	-
0600	4	4	4	4	4	-	-	-
0800	3-4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory, with good ecological quality, despite some siltation and enrichment respectively in the Ballymartle Branch and main channel.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0240	Br u/s confl with Main Channel	165681	57024	87	CK
0300	Coolkirky Br	166101	59432	87	CK
0500	Br u/s Ballymartle Branch	0	0	0	CK
0600	Br d/s Ballymartle Branch	165771	56446	87	CK
0800	Aghafantaun Br	166345	54243	87	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0240	26	14	70	30	59	1	0	0	38	0	3
0300	42	9	51	49	61	1	0	0	33	0	5
0600	22	26	73	27	63	2	0	0	32	0	2
0800	8	38	82	18	56	4	0	0	39	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TINNEEL STREAM**

20/T/02

Tributary of : Sea at Roscarbery Bay

OS Catchment No: x2

OS Grid Ref of Confluence: W 289 370

Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0050	-	3	3	4	4	3-4	3-4
0100	4	-	-	-	-	-	-

Assessment: Continuing unsatisfactory with only moderate ecological quality - siltation and enrichment noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SE of Cahermore	128548	38517	89	CK
0100	Br nr Milfield Ho	0	0	0	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	26	2	100	0	85	0	0	0	15	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SWRBD: HYDROMETRIC AREA NO. 20

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Argideen	2012	20A02	0.0	23.0	0.0	0.0	0.0	23.0
Ballinspittle	2012	20B09	0.0	4.0	0.0	0.0	0.0	4.0
Ballymahane	2012	20B01	6.5	2.5	0.0	0.0	0.0	9.0
Bandon	2012	20B02	0.0	48.0	9.1	0.0	0.0	57.0
Bawnaknockane	2012	20B03	0.0	6.0	0.0	0.0	0.0	6.0
Bealanascartane	2012	20B08	0.0	7.0	1.0	0.0	0.0	8.0
Blackwater (Bandon)	2012	20B04	0.0	9.7	2.3	0.0	0.0	12.0
Brinny	2012	20B07	10.3	1.8	0.0	0.0	0.0	12.0
Burrane	2012	20B10	0.0	2.0	0.0	0.0	0.0	2.0
Caha	2012	20C01	10.5	3.1	0.0	0.0	0.0	13.5
Carhoo	2012	20C06	0.0	1.5	0.0	0.0	0.0	1.5
Cashel (Cork)	2012	20C02	0.0	3.0	0.0	0.0	0.0	3.0
Clodagh	2012	20C03	0.0	5.5	0.0	0.0	0.0	5.5
Clonakilty Stream	2012	20C05	0.0	3.5	0.0	0.0	0.0	3.5
Cullenagh lake Stream	2012	20C04	0.0	1.0	0.0	0.0	0.0	1.0
Dirty	2012	20D01	0.0	6.6	0.9	0.0	0.0	7.5
Glashagloragh	2012	20G02	2.8	2.3	0.0	0.0	0.0	5.0
Ilen	2012	20I01	21.7	2.8	0.0	0.0	0.0	24.5
Kilbrittain	2012	20K01	3.0	1.0	0.0	0.0	0.0	4.0
Leamawaddra	2012	20L01	8.0	0.0	0.0	0.0	0.0	8.0
Leap Stream	2012	20L04	0.0	3.0	0.0	0.0	0.0	3.0
Minane	2012	20M01	0.0	5.0	0.0	0.0	0.0	5.0
Owenkeagh	2012	20O01	0.0	7.0	0.0	0.0	0.0	7.0
Owennashingaun	2012	20O02	13.5	0.0	0.0	0.0	0.0	13.5
Ownahinchy	2012	20O03	0.0	7.5	0.0	0.0	0.0	7.5
Rathruane	2012	20R01	0.0	6.0	0.0	0.0	0.0	6.0
Roury	2012	20R02	0.0	8.0	0.0	0.0	0.0	8.0
Saivnose	2012	20S01	0.0	13.5	0.0	0.0	0.0	13.5
Sall	2012	20S02	0.0	8.0	0.0	0.0	0.0	8.0
Stick	2012	20S03	0.0	10.5	0.0	0.0	0.0	10.5
Tinneel Stream	2012	20T02	0.0	0.0	2.0	0.0	0.0	2.0
Total Length (km) surveyed this cycle			76.2	202.6	15.3	0.0	0.0	294.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Current Length (km) Adjusted			76.2	202.6	15.3	0.0	0.0	294.0
Percentages			25.9	68.9	5.2	0.0	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline: Current Adjusted Status (km)			2010-'12	278.8	15.3	0.0	0.0	294.0
<i>Percentages</i>				94.8	5.2	0.0	0.0	100.0
Baseline: Previous Unadjusted Status (km)**			2007-'09	56.3	220.6	12.2	5.0	294.0
<i>Percentages</i>				19.1	75.0	4.1	1.7	100.0
Changes since Previous Survey (km)				19.9	-18.0	3.1	-5.0	0.0

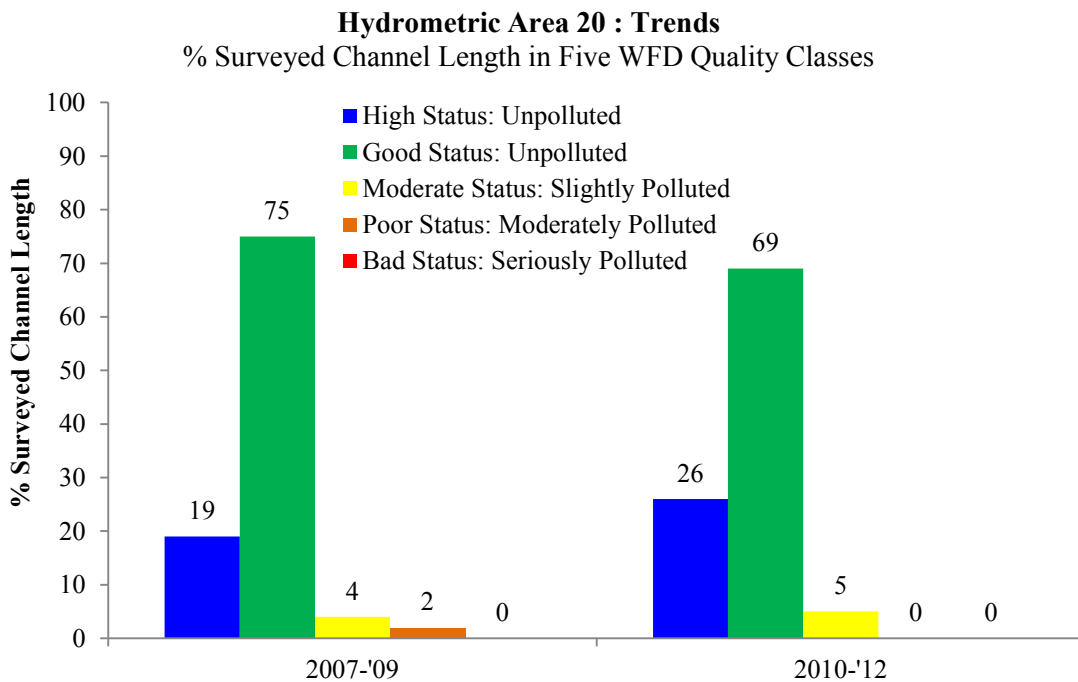
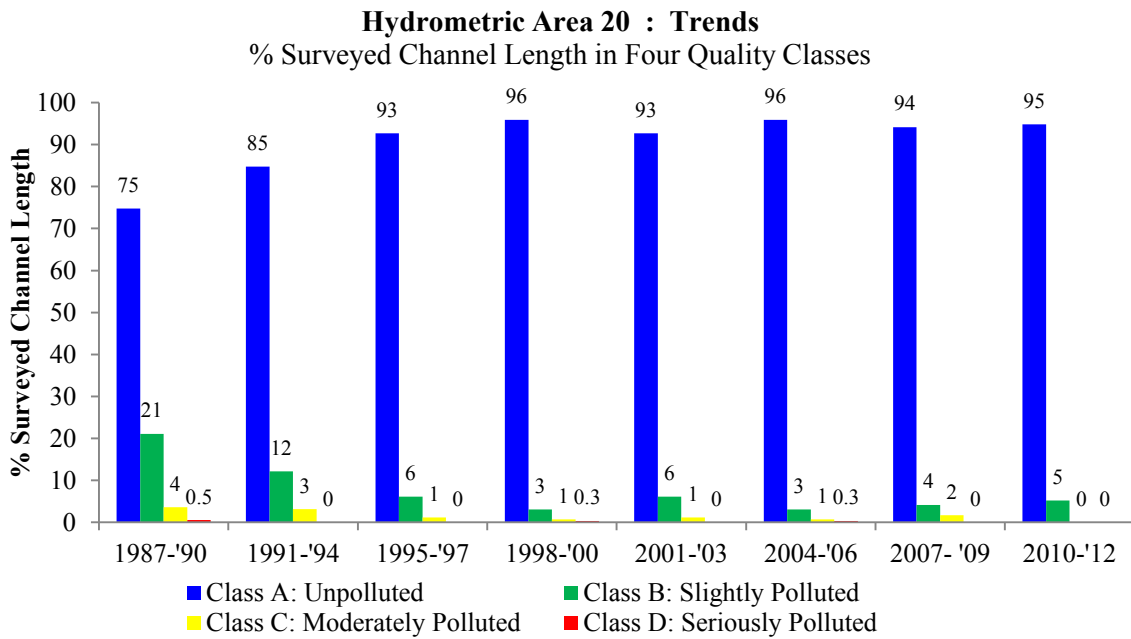
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	9	11
Good	46	43
Moderate	4	6
Poor	1	0
bad	0	0
<hr/>		
Total number of sites surveyed	60	60
Total number of sites at unsatisfactory status	5	6



HYDROMETRIC AREA 21 (Dunmanus – Bantry – Kenmare)	
ADRIGOLE	21A01
ARDSHEELHANE	21A02
BLACKWATER (KERRY)	21B03
CLEADY	21C02
CLOGHANE	21C08
CLOONEE (KERRY)	21C06
COOMEELAN STREAM	21C14
COOMHOLA	21C03
CROANSHAGH	21C05
CUMMERAGH	21C04
DERREENDARRAGH	21D03
DRIMMINBOY	21D01
DRUMOGHTY	21D04
EMLAGHMORE	21E01
FINNIHY	21F01
FOUR MILE WATER	21F02
GLAN STREAM	21G13
GLENGARRIFF	21G03
INNY (KERRY)	21I01
ISKNAGAHINY LOUGH STREAM	21I03
KEALDUFF	21K01
KEALINCHA	21K02
LOUGH FADDA STREAM	21L03
MAGANNAGAN STREAM	21M02
MEALAGH	21M01
OWBEG (ROUGHTY)	21O02
OWENBEG (OWVANE)	21O03
OWENSHAGH	21O08
OWNAGAPPUL	21O09
OWNGAR (CORK)	21O04
OWREAGH	21O05
OWROE	21O06
OWVANE (CORK)	21O07
ROUGHTY	21R01
SHEEN	21S01
SLAHENY	21S02
SNEEM	21S03
TAHILLA	21T01
TRAFRASK STREAM	21T03

River and Code : **ADRIGOLE** 21/A/01
 Tributary of : Sea - Adrigole Harbour OS Catchment No: 224
 OS Grid Ref of Confluence: V 807 502
 Date(s) Surveyed: 19/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Adrigole Br	81180	50719	84	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	8	28	100	0	7	0	88	0	4	1	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ARDSHEELHANE**

21/A/02

Tributary of : 21S03 SNEEM

OS Catchment No: 214

OS Grid Ref of Confluence: V 688 673

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	5	4-5	4-5	4-5	4-5	-	-
0200	4-5	4-5	4-5	4-5	3-4	4	4-5	4-5

Assessment: High ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Coomyanna Br	71724	72982	78	KY
0200	Just u/s Sneem R confl	69026	67588	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	97	6	100	0	0	0	68	0	5	0	28
0200	8	27	100	0	6	4	59	0	11	0	20

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (KERRY)**

21/B/03

Tributary of : Kenmare River

OS Catchment No: 215

OS Grid Ref of Confluence: V 797 684

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4-5	5	5	5	-	-
0200	4-5	4-5	4-5	4-5	5	4-5	5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Gearha Br	78267	72126	78	KY
0200	1.5 km u/s Blackwater Bridge	79380	69461	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	35	48	100	0	2	6	59	0	12	1	21
0200	21	85	100	0	7	8	60	0	10	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLEADY** **21/C/02**
 Tributary of : 21R01 ROUGHTY OS Catchment No: 217
 OS Grid Ref of Confluence: V 942 719
 Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1997	2000	2003	2006	2009	2012
0300	4	4	4	4	4	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Cleady Br	94319	72220	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	10	16	96	4	28	8	35	0	0	0	29

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOGHANE** **21/C/08**
 Tributary of : Sea-at Allihies (W of Bear Is) OS Catchment No: g3
 OS Grid Ref of Confluence: V 584 407
 Date(s) Surveyed: 19/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0300	4	4	4-5	4	4	4-5	4

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Knockroe Br	60150	41259	84	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	28	6	100	0	12	4	60	0	20	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONEE (KERRY)**

21/C/06

Tributary of : Sea - Kenmare River

OS Catchment No: 220

OS Grid Ref of Confluence: V 775 628

Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4-5	4	4-5	4	4	4	4
0200	-	3-4	3-4	4	3-4	3-4	-	-
0400	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4

Assessment: Continuing satisfactory at the uppermost location (upstream of Inchiquin Lough). The lowermost location again exhibited lake effects, i.e. suppressed but enriched type faunal response.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Just u/s Lough Inchiquin	84488	62541	85	KY
0200	Just d/s Lough Inchiquin	83521	63706	84	KY
0400	Casha Br	79278	63502	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	40	0	100	0	0	1	93	0	5	0	0
0200	39	1	100	0	0	0	97	0	0	0	2
0400	28	0	100	0	41	0	31	0	28	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOMEELAN STREAM**

21/C/14

Tributary of : 21S01 SHEEN

OS Catchment No: 218

OS Grid Ref of Confluence: V 950 644

Date(s) Surveyed: 7/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Sheen R confl	95777	63913	85	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	80	25	100	0	10	0	83	0	0	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOMHOLA**
 Tributary of : Sea - Bantry Bay
 OS Grid Ref of Confluence: V 998 545
 Date(s) Surveyed: 27/8/2012

21/C/03
 OS Catchment No: 225

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1993	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0300	4-5	4-5	-	-	-	-	-	-
0500	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Satisfactory with consistent high ecological conditions recorded since surveys began on the river in 1990.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br nr Knockanecosduff	103911	60037	85	CK
0300	Br NE of Coorloun	0	0	0	CK
0500	Coomhola Br	99448	55526	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	55	27	100	0	13	5	80	0	2	0	0
0500	10	64	100	0	19	3	76	0	1	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CROANSHAGH**

21/C/05

Tributary of : Sea - Kilmackilloge Harbour

OS Catchment No: 222

OS Grid Ref of Confluence: V 770 572

Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4-5	4-5	4-5	4-5	4	4-5
0180	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glanmore Br	77343	53628	84	KY
0180	0.6 km u/s Croanshagh Br	77028	56798	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	8	18	100	0	0	0	72	0	6	0	23
0180	2	38	100	0	4	2	65	0	7	2	21

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CUMMERAGH**
 Tributary of : Sea - Ballinskelligs Bay
 OS Grid Ref of Confluence: V 500 650
 Date(s) Surveyed: 4/9/2012

21/C/04
 OS Catchment No: 213

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4	4	4	4	-	-
0400	4	3-4	4	4	4	4	4	4
0600	4-5	4-5	4	4	4-5	4-5	4-5	4-5

Assessment: Satisfactory with good and high ecological quality. The upper site had some enrichment due to lake effects.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Just d/s Derriana Lough	59939	72696	83	KY
0400	Fords d/s Cumberagh Br	58008	71420	83	KY
0600	Dromkeare Br	54537	68551	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	117	16	100	0	4	0	66	0	5	15	10
0400	79	20	100	0	7	3	65	0	4	12	8
0600	10	48	100	0	12	1	62	0	2	10	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERREENDARRAGH**
 Tributary of : 21B03 BLACKWATER (KERRY)
 OS Grid Ref of Confluence: V 791 714
 Date(s) Surveyed: 5/9/2012

21/D/03

OS Catchment No: 215

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br near Derreendarragh	79543	72590	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	45	23	100	0	9	13	62	0	8	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRIMMINBOY** **21/D/01**
 Tributary of : 21C05 CROANSHAGH OS Catchment No: 222
 OS Grid Ref of Confluence: V 767 562
 Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4	4	3-4	4	4

Assessment: Satisfactory with good ecological quality and naturally poor faunal response.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Shroneberrane	75477	55306	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	6	6	100	0	0	0	58	0	0	0	42

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMOGHTY**
 Tributary of : Sea - Kenmare River
 OS Grid Ref of Confluence: V 875 680
 Date(s) Surveyed: 17/9/2012

21/D/04
 OS Catchment No: j3

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0400	4	4	4	4-5	4	4-5	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Dawros Br	87776	67666	85	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	2	17	100	0	9	4	54	0	19	0	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **EMLAGHMORE**
 Tributary of : Sea - Ballinskelligs Bay
 OS Grid Ref of Confluence: V 453 682
 Date(s) Surveyed: 4/9/2012

21/E/01
 OS Catchment No: O3

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0400	4	3	3	3-4	4	4	3-4

Assessment: Only moderate ecological quality with enriched conditions. Farm waste was also reaching the river, from right-hand side, immediately upstream of the bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Emlaghmore Br	44588	68776	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	7	18	100	0	39	0	47	0	2	0	11

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FINNIHY**
 Tributary of : Sea - Kenmare River
 OS Grid Ref of Confluence: V 903 707
 Date(s) Surveyed: 5/9/2012, 6/9/2012

21/F/01

OS Catchment No: 216

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	4	4	4	4
0300	4	4	4	4	4	4	-	-	-
0500	4-5	4	4	4	4	3-4	4	4	4
0510	4-5	3	3-4	3-4	3-4	3-4	3-4	4	4

Assessment: Satisfactory with good ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Gerah Br	87772	74120	78	KY
0300	Sahaleen Br	90013	73375	78	KY
0500	Kenmare: Finnihy Br (RHS)	90885	71012	78	KY
0510	Kenmare: Finnihy Br (LHS)	90885	71012	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	75	13	100	0	4	0	56	0	9	0	30
0300	53	22	100	0	3	0	59	0	16	0	22
0500	5	31	94	6	14	0	48	1	20	0	17
0510	5	31	94	6	14	0	48	1	20	0	17

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FOUR MILE WATER**

21/F/02

Tributary of : Sea - Dunmanus Bay

OS Catchment No: 237

OS Grid Ref of Confluence: V 944 419

Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	-	4	4-5	4	4	4	4	4
0210	-	3	3-4	4	4	3	4	-
0300	4-5	-	-	-	-	-	-	-
0500	4	4-5	4-5	4-5	4-5	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Footbridge u/s Letterlicky Br (RHS)	100868	44314	88	CK
0210	Footbridge u/s Letterlicky Br (LHS)	100868	44314	88	CK
0300	Letterlicky Br	0	0	0	CK
0500	Br u/s Durrus	94790	42265	88	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	69	8	100	0	69	5	26	0	0	0	0
0210	69	8	100	0	69	5	26	0	0	0	0
0500	8	27	100	0	66	7	24	0	0	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLAN STREAM**

21/G/13

Tributary of : Dunmanus Harbour

OS Catchment No: b3

OS Grid Ref of Confluence: V 855 336

Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0400	4	4	3-4	3-4	4	4	3-4

Assessment: Deterioration to moderate ecological quality in this once pearl mussel stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br SE of Knockeens	86572	33553	88	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	14	18	100	0	43	2	39	0	8	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENGARRIFF**
 Tributary of : Sea - Glengarriff Harbour
 OS Grid Ref of Confluence: V 932 561
 Date(s) Surveyed: 28/8/2012

21/G/03
 OS Catchment No: 219

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	5	5	5	5	5	-	-
0300	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W of Skehil	89720	58306	85	CK
0300	Foot-bridge NW of Glengarriff	91750	56879	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	27	12	100	0	13	2	71	0	7	0	7
0300	5	9	100	0	6	16	67	0	8	1	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **INNY (KERRY)**
 Tributary of : Sea - Ballinskelligs Bay
 OS Grid Ref of Confluence: V 496 692
 Date(s) Surveyed: 3/9/2012, 4/9/2012

21/I/01
 OS Catchment No: 212

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4	4	4	4	4	4	4	4
0400	4	4	4	4	4	4	-	-
0500	4	4	3-4	3-4	4	4	4	4
0900	4	4	4	3-4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality at all locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballynakilly Br	61578	77159	83	KY
0400	Killeenagh Br	57893	74578	83	KY
0500	Foildrenagh Br	55719	72847	83	KY
0900	2km u/s Inny Br	51818	70317	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	64	30	100	0	5	20	60	0	4	0	12
0400	28	80	100	0	6	17	51	0	7	0	19
0500	18	89	100	0	7	16	52	0	8	0	17
0900	4	113	100	0	11	14	51	0	9	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ISKNAGAHINY LOUGH STREAM** **21/I/03**
 Tributary of : Lough Currane OS Catchment No: 213
 OS Grid Ref of Confluence: V 564 655
 Date(s) Surveyed: 4/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4	4	4-5	4-5	4-5

Assessment: Satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW of Caunteens	59762	65805	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	32	9	100	0	0	13	32	0	0	0	55

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KEALDUFF** **21/K/01**
 Tributary of : 21B03 BLACKWATER (KERRY) OS Catchment No: 215
 OS Grid Ref of Confluence: V 772 728
 Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4-5	4-5	4	4	4	4-5

Assessment: Return to high ecological quality but with slight enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Gearha	77412	73502	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	57	23	100	0	4	5	56	0	9	1	25

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KEALINCHA**
 Tributary of : Sea - Coulagh Bay
 OS Grid Ref of Confluence: V 637 502
 Date(s) Surveyed: 19/9/2012

21/K/02
 OS Catchment No: 223

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4	4-5	4-5	4-5	-	-	-
0200	4-5	-	-	-	-	-	-	-
0300	3-4	4	4	4	4-5	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW of Kilmackowen	67605	50105	84	CK
0200	Kealincha Br	0	0	0	CK
0300	Drehidawillaun Br	64782	49721	84	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	71	7	100	0	17	0	48	0	0	0	35
0300	23	17	100	0	21	0	39	0	17	0	24

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGH FADDA STREAM**

21/L/03

Tributary of : 21O09 OWNAGAPPUL

OS Catchment No: h3

OS Grid Ref of Confluence: V 684 555

Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br d/s Lough Fadda	67693	54934	84	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	23	2	100	0	0	0	55	0	0	0	45

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MAGANNAGAN STREAM**

21/M/02

Tributary of : Sea - Glengarriff Harbour

OS Catchment No: f3

OS Grid Ref of Confluence: V 923 545

Date(s) Surveyed: 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Mangannagan Br	92344	54766	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	3	8	100	0	3	0	62	0	0	0	34

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MEALAGH**
 Tributary of : Sea - Bantry Bay
 OS Grid Ref of Confluence: W 005 501
 Date(s) Surveyed: 28/8/2012, 29/8/2012

21/M/01
 OS Catchment No: 227

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4-5	4-5	4-5	4-5	4-5
0200	5	5	5	5	4-5	5	4-5	4-5
0300	5	5	4-5	4-5	4-5	-	-	-
0400	3-4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with high and good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Mealagh Br	111820	53322	85	CK
0200	Br SE of Ards More	106464	52915	85	CK
0300	Br nr Inchiclogh	102733	51248	85	CK
0400	Dunnamark Br	100575	49990	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	158	6	100	0	5	27	65	0	0	0	3
0200	84	24	100	0	36	9	52	0	0	0	3
0300	35	45	100	0	45	6	38	0	9	0	2
0400	9	56	100	0	50	5	36	0	7	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWBEG (ROUGHY)**

21/O/02

Tributary of : 21R01 ROUGHY

OS Catchment No: 217

OS Grid Ref of Confluence: V 986 729

Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	-	-
0500	4-5	4-5	4-5	4	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Mangerton Br	99495	76153	78	KY
0500	Ardtully Br	98731	73326	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	102	15	100	0	9	3	29	0	0	0	59
0500	19	39	99	1	14	6	44	0	5	0	31

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENBEG (OWVANE)**

21/O/03

Tributary of : 21O07 OWVANE (CORK)

OS Catchment No: 226

OS Grid Ref of Confluence: W 032 556

Date(s) Surveyed: 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4-5	4-5	4-5	4-5
0400	4	4	4	4	4	-	-	-

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br E of Maugha	107136	60147	85	CK
0400	Br u/s Owvane R confl	104409	56761	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	132	11	100	0	11	12	64	0	13	0	0
0400	19	17	100	0	27	10	48	0	9	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENSHAGH** **21/O/08**
 Tributary of : Sea - Kilmackilloge Harbour OS Catchment No: 221
 OS Grid Ref of Confluence: V 774 584
 Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4-5	4	4	4	4	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Lauragh Br	77844	58522	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	12	31	100	0	9	1	78	0	3	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWNAGAPPUL**
 Tributary of : Sea - Ardgroom Harbour
 OS Grid Ref of Confluence: V 689 557
 Date(s) Surveyed: 18/9/2012

21/O/09

OS Catchment No: h3

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4-5	4	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Slieve Br	69006	55038	84	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	17	11	100	0	1	0	75	0	0	6	18

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWNGAR (CORK)**
 Tributary of : 21O07 OWVANE (CORK)
 OS Grid Ref of Confluence: W 063 571
 Date(s) Surveyed: 28/8/2012

21/O/04
 OS Catchment No: 226

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4-5	4-5	-	-	-
0400	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	SW of Ballynamought	109355	57321	85	CK
0400	Cahermoanteen Br	106465	56629	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	105	11	100	0	32	12	57	0	0	0	0
0400	54	19	100	0	39	12	49	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWREAGH**
 Tributary of : Sea - Sneem Estuary
 OS Grid Ref of Confluence: V 686 663
 Date(s) Surveyed: 4/9/2012

21/O/05
 OS Catchment No: 214

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4	5	4-5	4	4	-	-
0300	4	4-5	4-5	4-5	4	4-5	4-5	4-5

Assessment: Satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Coomnahorna	64852	66134	84	KY
0300	Br W of Sneem	68024	66707	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	63	7	100	0	7	12	69	0	0	0	11
0300	11	17	100	0	3	14	65	0	10	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWROE**
 Tributary of : 21I01 INNY (KERRY)
 OS Grid Ref of Confluence: V 612 770
 Date(s) Surveyed: 3/9/2012

21/O/06
 OS Catchment No: 212

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4-5	4-5	4	4	-	-
0200	4	4	4	4	4	4	4	3-4

Assessment: Only moderate ecological quality with signs of enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Toorsadeen Br	61670	79257	83	KY
0200	Owroe Br	61157	77482	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	99	8	100	0	0	4	45	0	4	0	48
0200	74	20	100	0	0	3	49	0	8	0	41

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWVANE (CORK)**

21/O/07

Tributary of : Sea - Bantry Bay

OS Catchment No: 226

OS Grid Ref of Confluence: W 006 533

Date(s) Surveyed: 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1997	2000	2003	2006	2009	2012
0200	5	4	4-5	4-5	4-5	4-5	4-5	4-5
0300	4-5	4	4-5	4-5	4	4	-	-
0400	4-5	4-5	4-5	4-5	4	4	4	4-5
0410	4-5	4-5	4-5	3	4	4	4	-

Assessment: Satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Cappabo Br	108845	59017	85	CK
0300	Carriganass Br	104832	56567	85	CK
0400	Lisheen Br (LHS)	102397	54522	85	CK
0410	Lisheen Br (RHS)	102379	54484	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	67	18	100	0	39	2	58	0	0	0	1
0300	21	44	100	0	47	7	46	0	0	0	0
0400	11	72	100	0	49	6	41	0	2	0	2
0410	11	72	100	0	49	6	41	0	2	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ROUGHTY**
 Tributary of : Sea - Kenmare Bay
 OS Grid Ref of Confluence: V 910 700
 Date(s) Surveyed: 6/9/2012

21/R/01
 OS Catchment No: 217

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1993	1997	2000	2003	2006	2009	2012
0020	-	-	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5
0060	-	-	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5
0070	-	-	3	4	4-5	4-5	4-5	4-5	4-5	-
0100	5	4-5	4-5	4-5	4-5	4-5	5	-	-	-
0200	5	4-5	4-5	-	-	-	-	-	-	-
0250	-	-	4	4	4	4	4	4	4-5	4-5
0300	5	5	4-5	-	-	-	-	-	-	-
0350	-	-	4	4	4	4	4	-	-	-

Assessment: Continuing satisfactory with high ecological quality at the three locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br NE of Knockanruddig	108779	70951	79	KY
0060	Inchee Br (RHS)	107735	73939	79	KY
0070	Inchee Br (LHS)	107735	73939	79	KY
0100	Morley's Br	104756	75262	79	KY
0200	Br u/s Slaheny R confl	0	0	0	KY
0250	Ford d/s Slaheny R confl	99832	72862	78	KY
0300	Br near Ardtully Ho	0	0	78	KY
0350	Ford NW of Kilgortaree	95928	72217	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	222	14	100	0	2	0	92	0	0	0	6
0060	159	35	100	0	5	6	81	0	0	0	8
0070	159	35	100	0	5	6	81	0	0	0	8
0100	74	51	100	0	5	12	76	0	0	0	8
0250	16	120	99	1	9	7	67	0	6	0	11
0350	4	178	98	2	13	8	58	0	5	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHEEN**
 Tributary of : Kenmare River
 OS Grid Ref of Confluence: V 924 702
 Date(s) Surveyed: 6/9/2012, 7/9/2012

21/S/01
 OS Catchment No: 218

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1994	1997	2000	2003	2006	2009	2012
0100	4	4-5	4-5	4-5	5	4-5	4-5	4-5
0200	4	-	-	-	-	-	-	-
0400	4	4-5	4-5	4-5	4-5	-	-	-
0600	4-5	4-5	4	4	4-5	4	4-5	4-5
0700	-	4	4	4	4	-	-	-
0800	4	-	-	-	-	-	-	-

Assessment: Satisfactory with high ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Releagh Br	92320	62907	85	KY
0200	Bunane Br	0	0	0	KY
0400	Ford d/s Dromagorteen Br	94934	65576	85	KY
0600	Br nr Dromanassig Waterfall	95233	67977	85	KY
0700	1.1km u/s Sheen Br	92964	70081	78	KY
0800	Sheen Br	0	0	0	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	90	17	100	0	8	11	67	0	4	0	10
0400	49	58	100	0	13	3	73	0	5	0	6
0600	39	78	100	0	15	2	73	0	4	0	5
0700	8	93	100	0	17	2	69	0	5	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SLAHENY**
 Tributary of : 21R01 ROUGHTY
 OS Grid Ref of Confluence: W 004 730
 Date(s) Surveyed: 6/9/2012

21/S/02
 OS Catchment No: 217

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1994	1997	2000	2003	2006	2009	2012
0300	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0500	4-5	4	4-5	4	4-5	4	-	-

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ford NE of Shandrum	101923	69685	85	KY
0500	Coolyard Br	100426	72709	79	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	72	30	100	0	7	3	61	0	0	0	29
0500	21	48	100	0	10	2	64	0	5	0	19

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SNEEM**
 Tributary of : Kenmare River
 OS Grid Ref of Confluence: V 690 667
 Date(s) Surveyed: 4/9/2012, 5/9/2012

21/S/03
 OS Catchment No: 214

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0400	4	4	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological conditions at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br E of Dromtine Lough	67057	69862	84	KY
0400	Br u/s Ardsheelhane R confl	68914	67532	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	59	11	100	0	0	3	91	0	1	0	5
0400	8	31	100	0	1	10	81	0	6	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TAHILLA** **21/T/01**
 Tributary of : Sea - Coongar Harbour OS Catchment No: 13
 OS Grid Ref of Confluence: V 743 655
 Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	3	4	4-5	4-5	4

Assessment: Satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Tahilla Br	74433	65811	84	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	6	17	100	0	20	0	52	0	6	0	22

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TRAFRASK STREAM** **21/T/03**
 Tributary of : Sea - East of Adrigole Harbour OS Catchment No: f3
 OS Grid Ref of Confluence: V 848 494
 Date(s) Surveyed: 19/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0300	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory with high ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Trafrask Br	85145	49578	85	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	8	17	100	0	22	0	46	0	16	0	16

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SWRBD: HYDROMETRIC AREA NO. 21

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Adrigole	2012	21A01	6.5	0.0	0.0	0.0	0.0	6.5
Ardsheelhane	2012	21A02	8.5	0.0	0.0	0.0	0.0	8.5
Blackwater (Kerry)	2012	21B03	13.0	0.0	0.0	0.0	0.0	13.0
Cleady	2012	21C02	6.5	0.0	0.0	0.0	0.0	6.5
Cloghane (Allihies)	2012	21C08	0.0	4.0	0.0	0.0	0.0	4.0
Cloonee (Kerry)	2012	21C06	0.0	3.0	5.0	0.0	0.0	8.0
Coomeelan Stream	2012	21C14	6.0	0.0	0.0	0.0	0.0	6.0
Coomhola	2012	21C03	15.0	0.0	0.0	0.0	0.0	15.0
Croanshagh	2012	21C05	8.4	0.6	0.0	0.0	0.0	9.0
Cummeragh	2012	21C04	4.0	7.0	0.0	0.0	0.0	11.0
Derreendaragh	2012	21D03	7.0	0.0	0.0	0.0	0.0	7.0
Drimminboy	2012	21D01	0.0	3.5	0.0	0.0	0.0	3.5
Drumoghty	2012	21D04	0.0	3.0	0.0	0.0	0.0	3.0
Emlaghmore	2012	21E01	0.0	0.0	4.5	0.0	0.0	4.5
Finnihy	2012	21F01	0.0	10.5	0.0	0.0	0.0	10.5
Four Mile Water	2012	21F02	0.0	10.5	0.0	0.0	0.0	10.5
Glan Stream	2012	21G13	0.0	0.0	6.0	0.0	0.0	6.0
Glengarriff	2012	21G03	8.5	0.0	0.0	0.0	0.0	8.5
Inny (Kerry)	2012	21I01	0.0	24.0	0.0	0.0	0.0	24.0
Isknagahiny L. Str	2012	21I03	4.0	0.0	0.0	0.0	0.0	4.0
Kealduff	2012	21K01	6.0	0.0	0.0	0.0	0.0	6.0
Kealincha	2012	21K02	0.0	7.0	0.0	0.0	0.0	7.0
Lough Fadda Stream	2012	21L03	0.0	2.0	0.0	0.0	0.0	2.0
Magannagan Stream	2012	21M02	5.0	0.0	0.0	0.0	0.0	5.0
Mealagh	2012	21M01	16.8	0.2	0.0	0.0	0.0	17.0
Owbeg (Roughty)	2012	21O02	9.0	0.0	0.0	0.0	0.0	9.0
Owenbeg (Owvane)	2012	21O03	9.0	0.0	0.0	0.0	0.0	9.0
Owengar (Cork)	2012	21O04	7.0	0.0	0.0	0.0	0.0	7.0
Owenshagh	2012	21O08	2.0	0.0	0.0	0.0	0.0	2.0
Owagappul	2012	21O09	3.5	0.0	0.0	0.0	0.0	3.5
Owreagh	2012	21O05	3.0	4.0	0.0	0.0	0.0	7.0
Owroe	2012	21O06	0.0	4.5	0.5	0.0	0.0	5.0
Owvane (Cork)	2012	21O07	17.0	0.0	0.0	0.0	0.0	17.0
Roughty	2012	21R01	27.0	0.0	0.0	0.0	0.0	27.0
Sheen	2012	21S01	20.0	0.0	0.0	0.0	0.0	20.0
Slaheny	2012	21S02	11.5	0.5	0.0	0.0	0.0	12.0
Sneem	2012	21S03	9.0	0.0	0.0	0.0	0.0	9.0
Tahilla	2012	21T01	0.0	1.5	0.0	0.0	0.0	1.5
Trafrask Stream	2012	21T03	3.0	0.0	0.0	0.0	0.0	3.0

Hydrometric Area 21 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Total Length (km) surveyed this cycle			236.2	85.8	16.0	0.0	0.0	338.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Current Length (km) Adjusted	2012		236.2	85.8	16.0	0.0	0.0	338.0
<i>Percentages</i>			69.9	25.4	4.7	0.0	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2010-'12		322.0	16.0	0.0	0.0	0.0	338.0
<i>Percentages</i>			95.3	4.7	0.0	0.0	0.0	100.0
Baseline: Previous Unadjusted Status (km)**	2007-'09		223.5	109.5	5.0	0.0	0.0	338.0
<i>Percentages</i>			66.1	32.4	1.5	0.0	0.0	100.0
Changes since Previous Survey (km)			12.7	-23.7	11.0	0.0	0.0	0.0

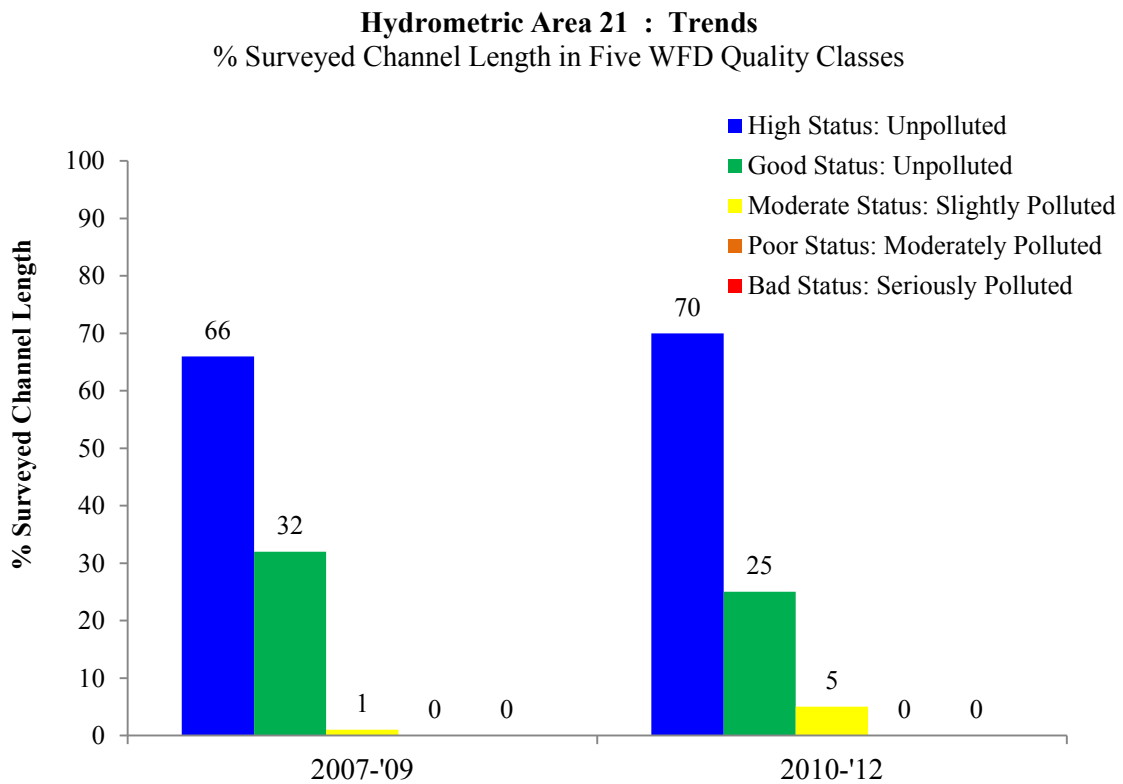
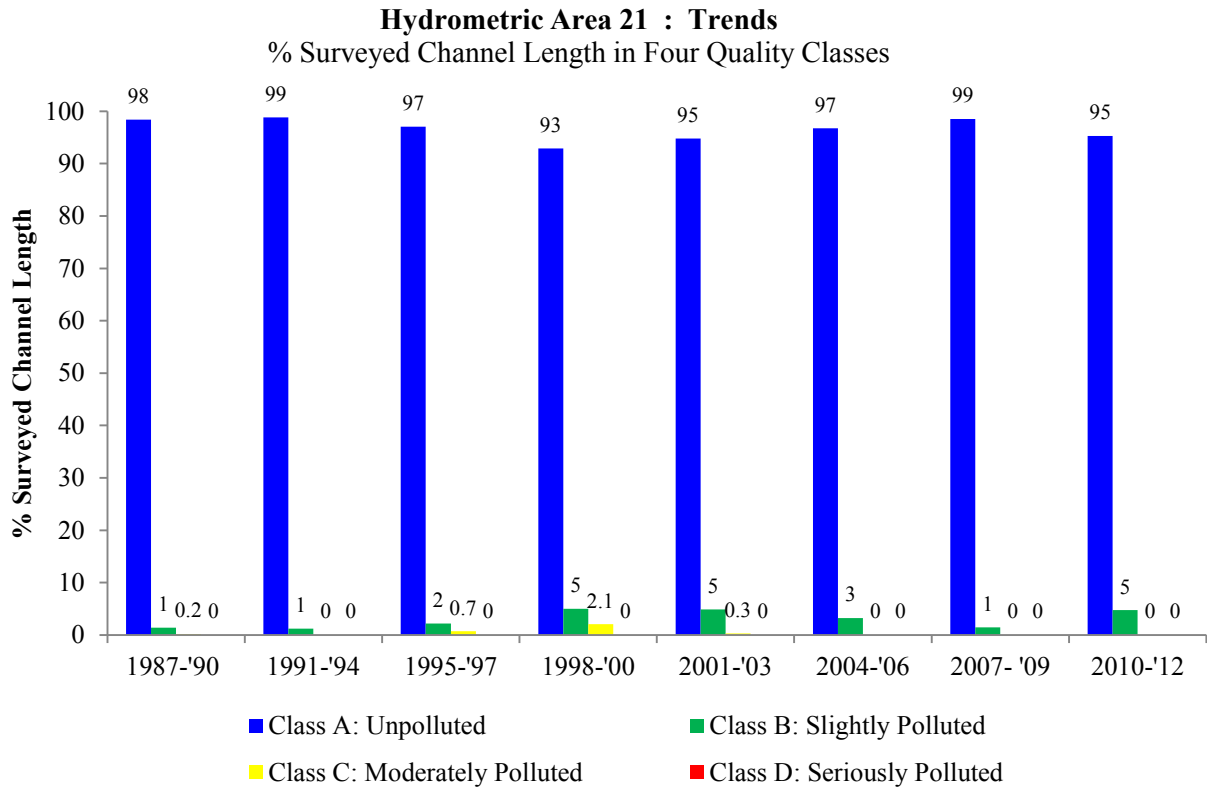
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2009	2012
High	34	33
Good	23	18
Moderate	1	4
Poor	0	0
Bad	0	0
Total number of sites surveyed	58	55
Total number of sites at unsatisfactory status	1	4



HYDROMETRIC AREA 22 (Laune – Maine – Dingle Bay: Balance of Survey)

Partial Survey in 2010 & 2011, Balance of Survey in 2012

BEHY (KERRY)	22B02
CAHERLEHILLAN STREAM *	22C20
CARHAN	22C03
COOMAGLASLAW LOUGH STREAM *	22C19
COOMNACRONIA LOUGH STREAM *	22C18
DEENAGH	22D01
DERREEN (KERRY)	22D02
EMLAGH	22E01
FERTA	22F01
GEARHAMEEN	22G03
GROIN	22G08
OWENALONDRIG	22O01
OWENASCAUL	22O02
OWENREAGH	22O03
TEEROMOYLE STREAM *	22T04

* CAHERLEHILLAN STREAM Formerly North Branch of Ferta River 22F01

* COOMAGLASLAW LOUGH STREAM Formerly Coomaglaslaw Branch of Behy (Kerry)
22B02

* COOMNACRONIA LOUGH STREAM Formerly Coomnacronia Lake Branch of Behy (Kerry)
22B02

* TEEROMOYLE STREAM Formerly South Branch of Ferta River 22F01

River and Code : **BEHY (KERRY)**

22/B/02

Tributary of : Sea - Dingle Bay

OS Catchment No: 209

OS Grid Ref of Confluence: V 657 920

Date(s) Surveyed: 21/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0800	4	4	-	4	4	4-5	4	4
1000	4-5	4-5	4	4-5	4-5	4-5	4-5	4
1200	4-5	-	-	-	-	-	-	-
1300	4-5	4-5	4-5	4-5	4-5	4-5	4	4

Assessment: While the good ecological conditions recorded in the Behy at stations 0800 and 1300 in 2007 have been maintained, there has been a decline from high to good quality at Station 1000.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0800	Second Br d/s Coomasaharn L	63965	85693	83	KY
1000	Ballynakilly Br	64433	87860	83	KY
1200	1.2km d/s Glanbehy Br	0	0	0	KY
1300	Behy Br	66485	90857	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	125	12	100	0	4	0	46	0	0	7	43
1000	56	34	100	0	5	0	57	0	11	5	22
1300	11	45	100	0	16	1	53	0	11	4	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAHERLEHILLAN STREAM** **22/C/20**
 Tributary of : 22F01 FERTA OS Catchment No: 210
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2012

Formerly North Branch of Ferta River 22F01

Station Nos.	Biological Quality Ratings (Q Values)					
	1990	1994	1996	1998	2007	2012
0100	5	4-5	4-5	4-5	4-5	4-5

Assessment: High ecological quality is maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br WSW of Coulagh	57037	83300	83	KY

River and Code : **CARHAN**
 Tributary of : Valentia River
 OS Grid Ref of Confluence: V 484 798
 Date(s) Surveyed: 22/8/2012

22/C/03
 OS Catchment No: 211

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0090	-	-	4	-	-	-	-	-
0100	-	-	-	3-4	3-4	3-4	-	-
0200	4	4	4	4	3-4	4	3-4	4
0300	4	-	-	-	-	-	-	-

Assessment: There has been a slight improvement in the Carhan, from moderate ecological quality in 2007, to good quality in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Br u/s Br N of Canburrin	50563	76617	83	KY
0100	Br N of Canburrin	51037	77143	83	KY
0200	Foot-bridge E of Inchimacteige	51260	79050	83	KY
0300	Br WSW of Carhan Ho	0	0	0	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	70	2	100	0	2	56	39	0	0	0	3
0100	59	4	100	0	5	43	50	0	0	0	2
0200	25	15	100	0	10	11	77	0	0	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOMAGLASLAW LOUGH STREAM** **22/C/19**
 Tributary of : 22B02 BEHY (KERRY) OS Catchment No: 209
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2012

Formerly Coomaglaslaw Branch of Behy (Kerry) 22B02

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0400	4	4-5	4	4-5	4-5	4-5	4-5	4

Assessment: There has been a slight decline in ecological quality, from high in 2007 to good in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	First Br d/s Coomaglaslaw L	62455	86766	83	KY

River and Code : **COOMNACRONIA LOUGH STREAM** 22/C/18
 Tributary of : 22B02 BEHY (KERRY) OS Catchment No: 209
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2012

Formerly Coomnacronia Lake Branch of Behy (Kerry) 22B02

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0300	4-5	4-5	4	4	4-5	4-5	4-5	4

Assessment: Continuing satisfactory but with change to good quality where previously high.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br W of Ballynakilly Br	64299	87740	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	60	14	100	0	4	0	50	0	2	6	38

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEENAGH**
 Tributary of : Lough Leane
 OS Grid Ref of Confluence: V 945 902
 Date(s) Surveyed: 21/8/2012

22/D/01
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1976	1981	1986	1990	1994	1996	1998	2001	2004	2007	2011	2012
0045	-	-	-	-	3-4	3-4	3	3	3	3	3-4	3	-
0100	5	4-5	4-5	4	4-5	4	4-5	4	4	4	4	-	4
0200	5	5	5	4	4-5	4	4	4	4	4	4	-	4-5
0300	4	4-5	5	4	4-5	-	-	-	-	-	-	-	-
0500	-	-	-	-	4-5	-	-	-	-	-	-	-	-
0600	-	-	-	-	-	4-5	4	4	-	-	-	-	-

Assessment: The upper Deenagh (0045) was polluted in 2011 with faunal response indicating poor ecological quality - the two lower survey sites (0100, 0200) were sampled in 2012 and were at good and high quality respectively.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0045	Br NE of Tulloram	102097	94592	79	KY
0100	Br near Woodpark	98935	93508	78	KY
0200	Deenagh Br	95996	91957	78	KY
0300	King's Br	0	0	0	KY
0500	Second Br d/s King's Br	0	0	0	KY
0600	Br just u/s L Leane	95306	90261	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0045	149	5	0	100	86	0	14	0	0	0	0
0100	93	22	0	100	75	0	20	0	5	0	0
0200	37	29	0	100	76	2	15	0	5	0	1
0600	24	31	0	100	74	3	14	1	5	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERREEN (KERRY)**

22/D/02

Tributary of : Sea at Portmagee

OS Catchment No: O3

OS Grid Ref of Confluence: V 451 742

Date(s) Surveyed: 22/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1996	1998	2001	2004	2007	2012
0100	4	4	4	4	4	4	4

Assessment: Good ecological quality maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dereen Br	46623	72388	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	11	13	100	0	42	0	35	0	0	0	23

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **EMLAGH**
 Tributary of : Sea - Castlemaine Harbour
 OS Grid Ref of Confluence: Q 660 006
 Date(s) Surveyed: 23/8/2012

22/E/01

OS Catchment No: t3

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2002	2004	2007	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	-	4-5
0400	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5

Assessment: The ecological status of the Emlagh has improved to high quality at both stations assessed in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br W of Emlagh	64845	103310	71	KY
0400	Br at Inch	65606	101289	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	75	18	100	0	25	8	52	0	4	0	11
0400	8	22	100	0	25	6	53	0	3	0	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FERTA**
 Tributary of : Valentia River
 OS Grid Ref of Confluence: V 500 801
 Date(s) Surveyed: 22/8/2012

22/F/01
 OS Catchment No: 210

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0700	4	4-5	4	4	4	4	-	-
0900	4	-	-	-	-	-	-	-
1000	3	3-4	3-4	3-4	3	3	3-4	3-4

Assessment: The Ferta is still in unsatisfactory condition, with moderate ecological quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Br ENE of Derreenmoria	54882	82239	83	KY
0900	Foilmore Br	52145	82358	0	KY
1000	Deelis Br	50814	81601	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	40	20	100	0	14	2	31	0	1	0	52
1000	2	53	100	0	25	1	45	0	5	0	24

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GEARHAMEEN**
 Tributary of : 22O03 OWENREAGH
 OS Grid Ref of Confluence: V 877 819
 Date(s) Surveyed: 10/11/2012, 21/8/2012

22/G/03
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0100	-	5	4	4-5	4-5	4-5	4-5	4-5
0200	4	-	-	-	-	-	-	-
0300	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: High ecological quality was maintained at both stations assessed on the Gearhameen in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Cockow	82407	80967	78	KY
0200	Br W of Ahanillaun	0	0	0	KY
0300	Br u/s Owenreagh R confl	87501	82162	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	65	13	100	0	0	0	79	0	5	0	15
0300	29	31	100	0	2	3	77	0	3	1	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GROIN** **22/G/08**
 Tributary of : Castlemaine Harbour OS Catchment No: 198
 OS Grid Ref of Confluence: Q 794 023
 Date(s) Surveyed: 23/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2002	2004	2007	2012
0300	4-5	4	4-5	4	4-5	4	4-5	4

Assessment: Continuing satisfactory but with slight deterioration from high ecological quality in 2007 to good in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br E of White Gate Crossroads	78907	103917	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	12	4	100	0	5	0	94	0	0	0	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENALONDRIG**

22/O/01

Tributary of : Sea - Dingle Bay

OS Catchment No: 202

OS Grid Ref of Confluence: Q 490 004

Date(s) Surveyed: 23/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2002	2004	2007	2012
0200	4	4	4	4	4	4	-	-
0300	4-5	-	-	-	-	-	-	-
0500	4	4	3-4	4	3	2	4	4

Assessment: Good ecological quality maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Fairy Glen	53742	102058	70	KY
0300	Br in Lispole	0	0	0	KY
0500	Br in Foheraghmore	50820	100429	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	81	7	100	0	17	0	53	0	0	0	30
0500	17	18	100	0	44	0	32	0	0	0	24

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENASCAUL**

22/O/02

Tributary of : Sea - Dingle Bay

OS Catchment No: 200

OS Grid Ref of Confluence: Q 596 003

Date(s) Surveyed: 23/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2002	2004	2007	2012
0050	3	-	-	-	-	-	-	-
0100	3	-	-	-	-	-	-	-
0300	4	-	-	-	-	-	-	-
0400	4-5	-	-	-	-	-	-	-
0800	4	4	4-5	4-5	4	4	-	-
0900	4	-	-	-	-	-	-	-
1000	-	4-5	4-5	4-5	4	4-5	3-4	4-5

Assessment: The Owenascaul has improved significantly, from moderate ecological quality in 2007 to high in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NW of Annagap	0	0	0	KY
0100	Bridge (Ford) W. of Annagap	0	0	0	KY
0300	East Br S.W. of Hermitage	0	0	0	KY
0400	Bridge N. of Annascaul	0	0	0	KY
0800	Br 1.6km u/s Anascaul	59393	103268	70	KY
0900	Br in Anascaul	0	0	0	KY
1000	Br 1.3km d/s Anascaul	59346	101025	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	56	12	100	0	7	0	62	0	0	3	28
1000	9	39	100	0	40	0	33	1	4	1	21

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENREAGH**
 Tributary of : Upper Lake Killarney
 OS Grid Ref of Confluence: V 892 819
 Date(s) Surveyed: 21/8/2012

22/O/03
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)								
	1990	1994	1996	1998	2001	2004	2007	2010	2012
0100	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	4-5
0200	4-5	4-5	4-5	4-5	4-5	4-5	-	-	4-5
0400	5	5	5	5	5	5	5	5	-

Assessment: High ecological quality has been maintained at the two locations sampled in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Graignagreana	84009	78588	78	KY
0200	Just u/s trib from Looscaunagh Lough	87629	79496	78	KY
0400	Br u/s Upper Lake	88404	82103	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	120	9	100	0	0	0	61	0	9	0	30
0200	91	22	100	0	0	1	65	0	7	0	27
0400	20	62	100	0	1	5	69	0	4	1	20

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TEEROMOYLE STREAM** **22/T/04**
 Tributary of : 22F01 FERTA OS Catchment No: 210
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2012

Formerly South Branch of Ferta River 22F01

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1996	1998	2001	2004	2007	2012
0500	4	4-5	4	4-5	4-5	4-5	4-5	4-5

Assessment: High ecological quality is maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Toon Br	56181	82222	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	66	10	100	0	10	3	43	0	0	0	44

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SWRBD: HYDROMETRIC AREA NO. 22

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Beheenagh	2010	22B01	0.0	8.5	0.0	0.0	0.0	8.5
Behy (Kerry)	2012	22B02	0.0	7.5	0.0	0.0	0.0	7.5
Brown Flesk	2011	22B03	27.1	6.0	0.0	0.0	0.0	33.0
Caherlehillan Stream	2012	22C20	2.5	0.0	0.0	0.0	0.0	2.5
Caragh	2011	22C02	5.0	10.5	3.0	0.0	0.0	18.5
Carhan	2012	22C03	0.0	4.9	2.7	0.0	0.0	7.5
Coomaglaslaw L. Stream	2012	22C19	0.0	1.0	0.0	0.0	0.0	1.0
Coomnacarrig	2011	22C06	0.0	4.5	0.0	0.0	0.0	4.5
Coomnacronia L. Stream	2012	22C18	0.0	3.0	0.0	0.0	0.0	3.0
Cottoner's (Laune)	2010	22C05	7.8	5.5	0.2	0.0	0.0	13.5
Crinnagh	2011	22C07	7.0	0.0	0.0	0.0	0.0	7.0
Croaghane	2010	22C09	0.0	3.0	0.0	0.0	0.0	3.0
Deenagh	2011/12	22D01	5.3	3.5	2.5	1.8	0.0	13.0
Derreen (Kerry)	2012	22D02	0.0	4.0	0.0	0.0	0.0	4.0
Dogue	2011	22D03	0.0	5.0	0.0	0.0	0.0	5.0
Emlagh	2012	22E01	8.0	0.0	0.0	0.0	0.0	8.0
Fahaduff	2010	22F09	0.0	5.0	0.0	0.0	0.0	5.0
Ferta	2012	22F01	0.0	6.5	0.5	0.0	0.0	7.0
Finglas (Laune)	2010/11	22F03	0.0	7.0	0.0	0.0	0.0	7.0
Finow	2010	22F04	6.5	0.0	0.5	0.0	0.0	7.0
Flesk (Kerry)	2010	22F02	34.3	10.8	0.0	0.0	0.0	45.0
Gaddagh	2010	22G01	8.0	3.5	0.5	0.0	0.0	12.0
Gearhameen	2012	22G03	9.0	0.0	0.0	0.0	0.0	9.0
Glantane	2011	22G07	5.5	0.0	0.0	0.0	0.0	5.5
Groin	2012	22G08	0.0	4.5	0.0	0.0	0.0	4.5
Gweestin	2011	22G06	16.2	2.9	0.0	1.0	0.0	20.0
Laune	2010	22L01	3.8	12.2	0.0	0.0	0.0	16.0
Little Maine	2011	22L02	5.7	2.3	0.0	0.0	0.0	8.0
Loe	2010	22L03	5.5	0.0	0.0	0.0	0.0	5.5
Loo	2010/11	22L04	0.0	6.0	0.0	0.0	0.0	6.0
Maine	2011	22M01	0.0	19.0	0.0	0.0	0.0	19.0
Meelagh	2011	22M02	0.0	6.5	0.0	0.0	0.0	6.5
Milltown (Kerry)	2011	22M03	0.0	1.0	0.0	4.5	0.0	5.5
Owenalondrig	2012	22O01	0.0	7.0	0.0	0.0	0.0	7.0
Owenascaul	2012	22O02	2.1	5.0	0.0	0.0	0.0	7.0
Owenreagh	2010/12	22O03	13.5	0.0	0.0	0.0	0.0	13.5
Owenroe (Caragh)	2011	22O04	0.0	5.0	0.0	0.0	0.0	5.0
Owgarriff (Finow)	2011	22O06	3.0	0.0	0.0	0.0	0.0	3.0
Owneykeagh	2010	22O05	4.0	4.5	0.0	0.0	0.0	8.5
Quagmire	2010	22Q01	0.0	13.0	0.0	0.0	0.0	13.0
Shanowen (Maine)	2010	22S01	0.0	5.0	0.0	1.0	0.0	6.0
Teermyole Stream	2012	22T04	3.0	0.0	0.0	0.0	0.0	3.0

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Total Length (km) surveyed this cycle			182.6	193.3	9.9	8.3	0.0	394.0	
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0	
Current adjusted Length (km)			182.6	193.3	9.9	8.3	0.0	394.0	
<i>Percentages</i>			46.3	49.1	2.5	2.1	0.0	100.0	
Channel Length (km) in Class			A	B	C	D	Total		
Baseline : Current Adjusted Status (km)			2010-'12	375.9	9.9	8.3	0.0	394.0	
<i>Percentages</i>				95.4	2.5	2.1	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	144.0	213.0	32.5	4.5	0.0	394.0
<i>Percentages</i>				36.6	54.1	8.3	1.14	0	100
Changes since Previous Survey (km)				38.6	-19.7	-22.7	3.8	0.0	0.0

* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

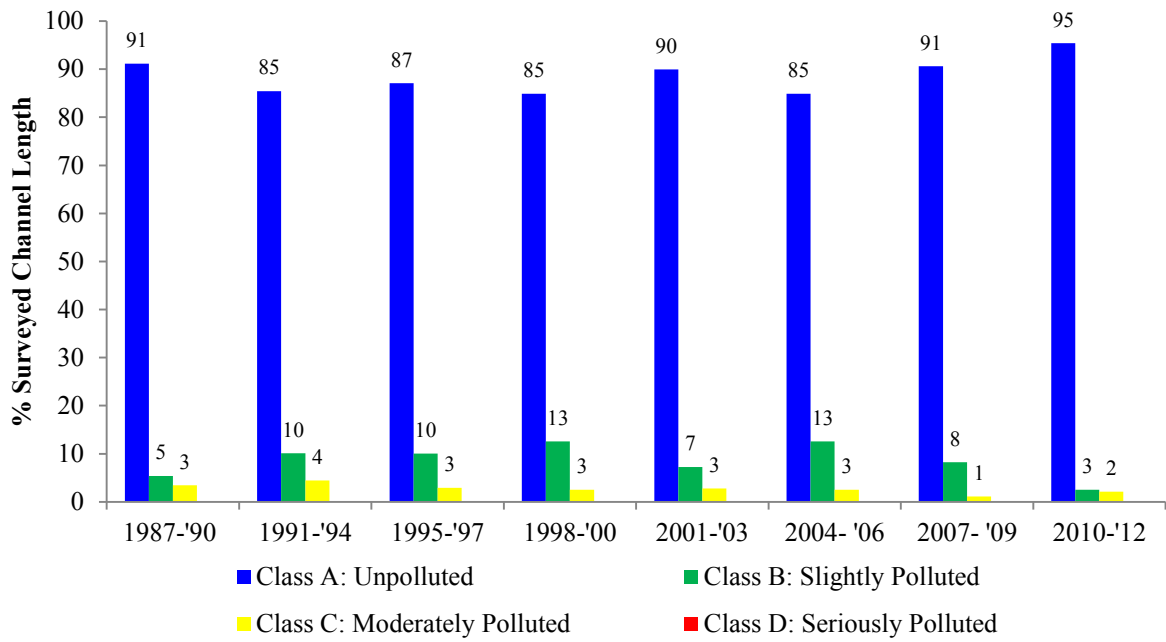
**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

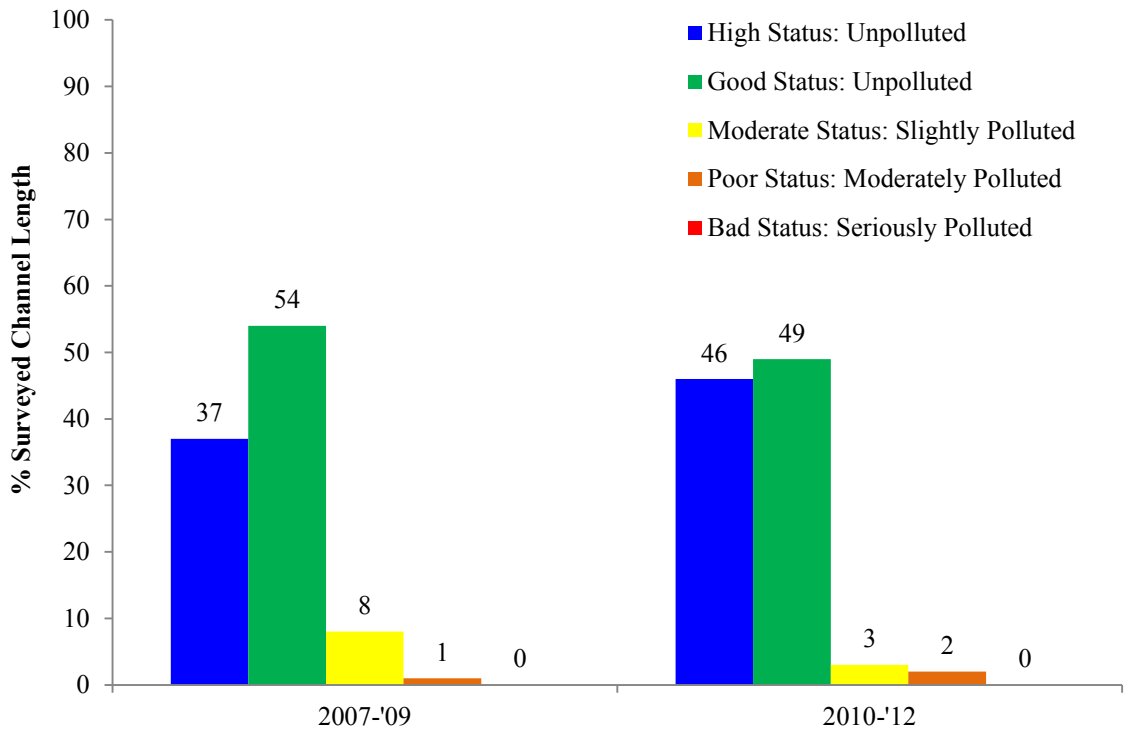
The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-12
High	24	33
Good	39	38
Moderate	10	5
Poor	3	6
Bad	0	0
Total number of sites surveyed	76	82
Total number of sites at unsatisfactory status	13	11

Hydrometric Area 22 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 22 : Trends
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 24 (Shannon Estuary South: Balance of Survey)

Partial Survey in 2011, Balance of Survey 2012

CAMOGHE	24C01
CLONSHIRE	24C03
FLEMINGSTOWN STREAM	24F03
GREANAGH	24G05
LOOBAGH	24L01
MAHORE	24M04
MORNINGSTAR	24M02

River and Code : **CAMOGE**
 Tributary of : 24M01 MAIGUE
 OS Grid Ref of Confluence: R 522 394
 Date(s) Surveyed: 3/10/2012

24/C/01
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)										
	1976	1981	1984	1988	1993	1996	1999	2003	2006	2008	2012
0100	-	3	3-4	3-4	3-4	3-4	4	3-4	3-4	-	-
0200	-	3-4	3-4	3-4	3-4	4	4	3-4	3-4	3-4	3-4
0250	-	3-4	3-4	3-4	4	3-4	4	3-4	-	-	-
0300	-	3-4	3-4	3-4	3-4	-	-	-	-	-	-
0400	-	4	3-4	3-4	3-4	3-4	3-4	3-4	4	4	3-4
0500	-	3-4	3-4	3-4	4	3-4	3-4	3-4	-	-	-
0600	4-5	4	4	4	3-4	3-4	3-4	3-4	4	4	4

Assessment: Mostly eutrophic (moderate ecological quality) with only the final location in satisfactory condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cloghansoun Br	167600	141268	65	LK
0200	Longford Br	164528	143496	65	LK
0250	Nr Ballycullane	160346	142417	65	LK
0300	Cloghnamanagh Br	158844	141500	0	LK
0400	Gray's Br	157970	140345	65	LK
0500	Monaster Br	154902	140887	65	LK
0600	Cloghanduff Br	152484	139518	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	73	158	8	92	98	0	0	1	1	0	1
0200	70	202	6	94	97	0	0	1	2	0	0
0250	57	236	5	95	96	0	0	1	3	0	0
0400	49	244	5	95	96	0	0	1	3	0	0
0500	33	261	5	95	96	0	0	1	3	0	0
0600	24	265	5	95	96	0	0	1	3	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLONSHIRE**
 Tributary of : 24G05 GREANAGH
 OS Grid Ref of Confluence: R 440 454
 Date(s) Surveyed: 3/10/2012

24/C/03
 OS Catchment No: 155

Station Nos.	1988	1989	1993	1996	1999	Biological Quality Ratings (Q Values)			
						2002	2006	2008	2012
0200	4	-	3	-	-	-	-	-	-
0300	3-4	-	3	3	3	3	3	3	n/a
0600	3	-	3-4	3-4	3	3	-	-	-
0700	3	3	3	3	3	3	3	3	3
0710	1	3	3	3	3	3	3	-	3
0900	3-4	-	3-4	3	3	3	3-4	3	3

Assessment: Continuing unsatisfactory with poor ecological quality at the three locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br in Ballingarry	0	0	0	LK
0300	Br N of Ballingarry	141901	137567	65	LK
0600	Milltown Br	142179	141759	65	LK
0700	Drehidnaman Br (LHS)	142341	143934	65	LK
0710	Drehidnaman Br (RHS)	142341	143934	65	LK
0900	Tuogh Br	143201	146278	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	52	7	72	22	76	0	0	5	19	0	0
0600	25	26	28	68	80	0	2	1	17	0	0
0700	20	51	15	83	82	0	1	2	15	0	0
0710	20	51	15	83	82	0	1	2	15	0	0
0900	8	73	10	88	82	1	1	1	13	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FLEMINGSTOWN STREAM**

24/F/03

Tributary of : 24L01 LOOBAGH

OS Catchment No: 155

OS Grid Ref of Confluence: R 638 263

Date(s) Surveyed: 21/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1996	1999	2002	2006	2008	2012
0500	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Gotoon Br	164363	124660	73	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	109	15	55	45	88	10	2	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GREANAGH**
 Tributary of : 24M01 MAIGUE
 OS Grid Ref of Confluence: R 463 477
 Date(s) Surveyed: 3/10/2012

24/G/05
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1993	1996	1999	2002	2006	2008	2012
0300	3-4	-	-	-	-	-	-	-
0500	3-4	-	-	-	-	-	-	-
0600	3-4	3-4	3	3	3	3-4	3	3

Assessment: Continuing unsatisfactory, with poor ecological quality, at this site which is subject to tidal push-back.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br SW of Finniterstown	0	0	0	LK
0500	Br WSW of Cummeen	0	0	0	LK
0600	Coolagh Br	144338	146349	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	7	84	9	90	81	2	1	1	14	0	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOOBAGH**
 Tributary of : 24M01 MAIGUE
 OS Grid Ref of Confluence: R 545 278
 Date(s) Surveyed: 21/8/2012

24/L/01
 OS Catchment No: 155

Biological Quality Ratings (Q Values)

Station Nos.	1971	1976	1978	1980	1982	1986	1988	1994	1996	1999	2002	2006	2008	2012
0200	-	-	4	4	-	4	4	4	4	4	4	4	4	4
0300	5	4-5	3-4	4	4	4	4	4-5	4-5	4	4	4	-	-
0400	4	4-5	3-4	3-4	3-4	3-4	3-4	3	2-3	3	2	3-4	3-4	3
0500	4-5	4-5	3-4	3-4	3-4	3-4	3-4	4	3	3-4	3	4	-	-
0510	4-5	4-5	3-4	3-4	3-4	3-4	3-4	3	3	3-4	3	4	-	-
0600	4-5	4	3-4	3-4	3-4	3-4	4	4	3-4	4	4	4	4	4

Assessment: Satisfactory, with good ecological quality, apart from Kilmallock where quality was poor.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballinanima Br	166554	124729	73	LK
0300	Riversfield Br	163147	126465	73	LK
0400	North Br, d/s Kilmallock	160670	128462	73	LK
0500	Br N of Kilbreedy (LHS)	157718	127816	73	LK
0510	Br N of Kilbreedy (RHS)	157718	127816	73	LK
0600	Garroose Br	155054	127455	73	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	112	16	88	12	62	25	0	2	0	0	11
0300	93	66	51	49	85	11	1	1	0	0	3
0400	80	81	42	58	86	9	1	1	1	0	2
0500	67	97	35	65	88	8	0	1	0	0	2
0510	67	97	35	65	88	8	0	1	0	0	2
0600	58	129	26	74	91	6	0	1	1	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MAHORE**
 Tributary of : 24C01 CAMOGE
 OS Grid Ref of Confluence: R 688 385
 Date(s) Surveyed: 4/10/2012

24/M/04
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1993	1996	1999	2003	2006	2008	2012
0300	3	3	-	-	-	-	-	-
0500	3-4	3	3	3	3-4	3-4	3-4	3
0700	3-4	3	3	3	3	-	-	-
0800	3-4	3	-	-	-	-	-	-
0900	3-4	3-4	3	3-4	3-4	3-4	3-4	3

Assessment: Deterioration to poor ecological quality at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Rodus Br	0	0	0	TY
0500	Ballynaveen Br	172861	135204	65	TY
0700	Hospital Br	170604	136254	65	LK
0800	Ford d/s Hospital Br	0	0	0	LK
0900	O'Carroll's Br	168953	137988	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	91	34	21	79	100	0	0	0	0	0	0
0700	85	41	17	83	100	0	0	0	0	0	0
0900	78	44	16	84	99	0	0	0	1	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MORNINGSTAR**
 Tributary of : 24M01 MAIGUE
 OS Grid Ref of Confluence: R 538 334
 Date(s) Surveyed: 22/8/2012

24/M/02
 OS Catchment No: 155

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1981	1986	1988	1993	1996	1999	2002	2006	2008	2012
0050	-	-	-	3-4	4	4	-	-	-	-	-
0100	-	4-5	3-4	3-4	-	-	-	-	-	-	-
0200	-	4	3-4	3-4	4	4	4	4	4	4	4
0250	-	-	-	3-4	-	-	-	-	-	-	-
0300	-	4	3	3-4	3-4	3	3-4	4	4	4	4
0350	-	3-4	3	3	3-4	-	-	-	-	-	-
0400	-	4	3	3-4	3-4	3-4	3-4	3-4	4	4	4
0500	-	4	4	3-4	3-4	4	4	3-4	4	4	4
0550	-	-	-	3-4	-	-	-	-	-	-	-
0600	-	4	3-4	3-4	4	4	4	3-4	4	3-4	4
0630	-	-	-	3-4	-	-	-	-	-	-	-
0650	-	-	-	-	-	3-4	4	3-4	-	-	-
0700	4	3-4	4	3-4	3-4	-	-	-	-	-	-
0800	-	3-4	4	3-4	3-4	4	3-4	3-4	4	4	4

Assessment: Satisfactory, with good ecological quality throughout, following improvement downstream of Bruff since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NE of Ballyfroota	0	0	0	LK
0100	Br SE of Pinker's Cross	0	0	0	LK
0200	Aughavoona Br	174282	128150	73	LK
0250	Br u/s Ballynahinch Br	0	0	0	LK
0300	Ballinahinch Br	170152	128666	73	LK
0350	Elton Br	0	0	0	LK
0400	Gormanstown Br	166505	132400	65	LK
0500	Ballyvolane Br	165219	135320	65	LK
0550	Nr Vicarage, u/s Bruff	0	0	0	LK
0600	Br 1.5 km d/s Bruff	161494	136657	65	LK
0630	Br d/s Camas Br	0	0	0	LK
0650	SW of Carrigeen	159083	136451	65	LK
0700	Athlacca Br	0	0	0	LK
0800	Br 2 km d/s Athlacca	154361	133544	65	LK

Hydrometric Area 24 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	118	24	86	14	85	4	0	1	8	0	2
0300	108	40	64	36	88	4	2	1	5	0	1
0400	86	62	44	56	87	3	1	0	8	0	1
0500	73	73	37	63	89	2	1	0	7	0	1
0600	57	99	28	72	90	2	1	1	6	0	1
0650	50	117	25	75	92	1	1	1	5	0	1
0800	40	135	22	78	93	1	1	1	4	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SHIRBD: HYDROMETRIC AREA NO. 24

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Ahacronane	2011	24A01	0.0	0.0	0.0	8.5	0.0	8.5	
Ahavarraga Stream	2011	24A02	0.0	0.5	0.0	4.0	1.0	5.5	
Arra	2011	24A04	0.0	4.5	0.0	1.5	0.0	6.0	
Ballylongford	2011	24B03	0.0	6.5	2.0	0.0	0.0	8.5	
Barnakyle	2011	24B05	0.0	0.0	0.0	14.0	0.0	14.0	
Broadford Stream	2011	24B07	0.0	4.5	0.0	0.0	0.0	4.5	
Bunoke	2011	24B06	0.0	0.0	7.5	5.6	0.0	13.0	
Camoge	2012	23C01	0.0	5.1	22.9	0.0	0.0	28.0	
Charleville Stream	2011	24C02	0.0	0.0	0.0	6.0	0.0	6.0	
Clonshire	2012	24C03	0.0	0.0	0.0	13.0	0.0	13.0	
Cloonlahard Stream	2011	24C06	0.0	6.5	0.0	0.0	0.0	6.5	
Deel (Newcastlewest)	2011	2D02	0.0	34.8	14.3	2.5	0.0	51.5	
Dooncaha Stream	2011	24D07	0.0	0.0	0.0	5.5	0.0	5.5	
Flemingstown Stream	2012	24F03	0.0	6.5	0.0	0.0	0.0	6.5	
Glencorbry	2011	24G03	0.0	4.5	0.0	0.0	0.0	4.5	
Greanagh	2012	24G05	0.0	0.0	0.0	4.0	0.0	4.0	
Lismakeery Stream	2011	24L03	0.0	0.0	0.0	7.0	0.0	7.0	
Loobagh	2012	24L01	0.0	17.0	2.0	1.0	0.0	20.0	
Mahore	2012	24M04	0.0	0.0	0.0	12.0	0.0	12.0	
Maigue	2011	24M01	0.0	16.2	13.9	5.5	0.0	35.5	
Morningstar	2012	24M02	0.0	33.0	0.0	0.0	0.0	33.0	
Owvane (Limerick)	2011	24O02	3.4	9.6	0.0	0.0	0.0	13.0	
Shanagolden Stream	2011	24S02	0.0	6.5	0.0	0.0	0.0	6.5	
Tarbert Stream	2011	24T01	0.0	1.5	0.0	0.0	0.0	1.5	
Total Length (km) surveyed this cycle			3.4	157.2	62.5	90.0	1.0	314.0	
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0	
Current Length (km) Adjusted			2011/12	3.4	157.2	62.5	90.0	1.0	314.0
Percentages				1.1	50.1	19.9	28.7	0.3	100.0
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2011/12	160.6	62.5	90.0	1.0	314.0	
Percentages				51.1	19.9	28.7	0.3	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	0.0	154.0	75.5	83.5	1.0	314.0
Percentages				0.0	49.0	24.0	26.6	0.3	100.0
Changes since Previous Survey (km)				3.4	3.2	-13.1	6.5	0.0	0.0

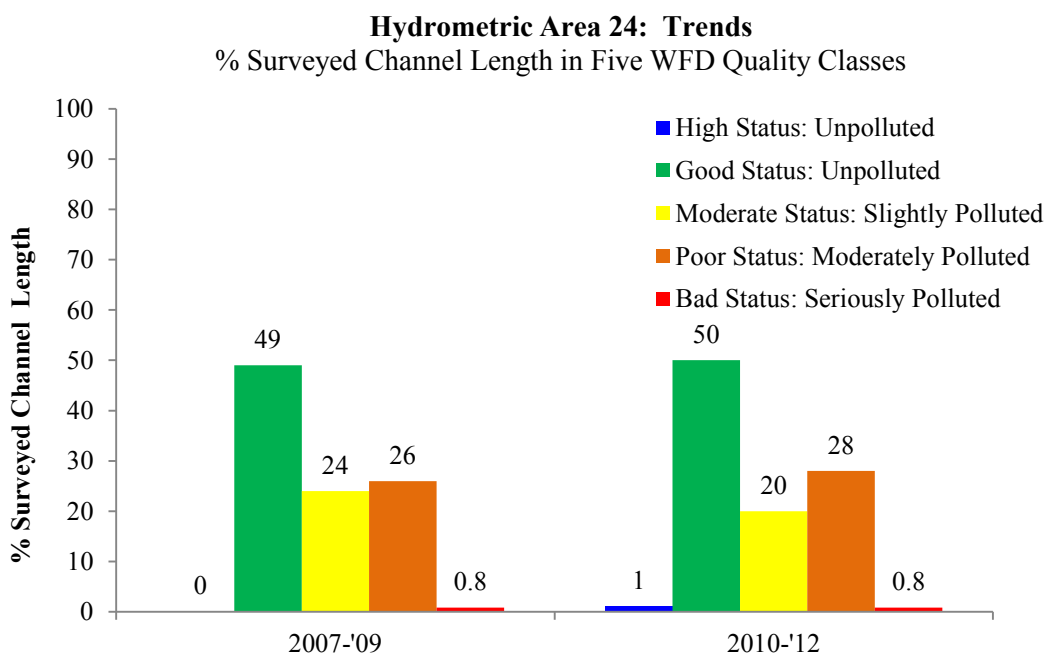
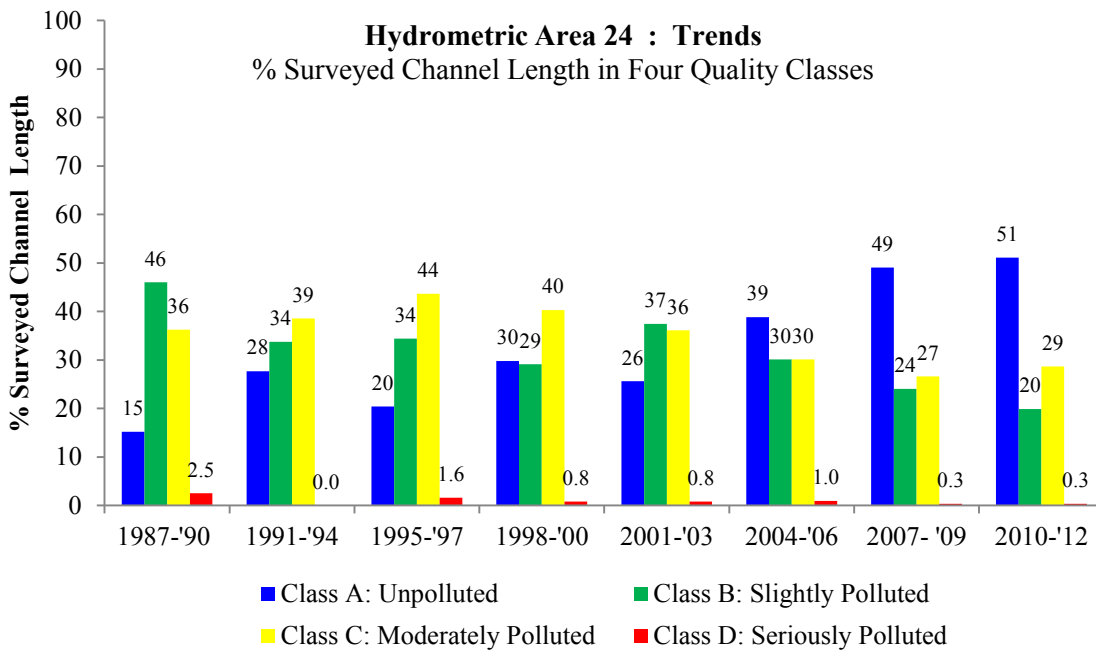
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'08	2010-'12
High	0	1
Good	29	33
Moderate	13	10
Poor	20	22
Bad	1	1
<hr/>		
Total number of sites surveyed	63	67
Total number of sites at unsatisfactory status	34	33



HYDROMETRIC AREA 25 (Shannon Lower: Balance of Survey)

Partial Survey in 2011, Balance of Survey 2012

ANNAGH (TIPPERARY)	25A02
ARDCLOONY	25A03
ARDGREGANE STREAM	25A04
AYLE	25A07
BALLINLOUGH STREAM	25B15
BALLINTOTTY	25B01
BALLYQUIVEEN STREAM	25B30
BARNACULLIA STREAM	25B14
BILBOA	25B03
BLACKWATER (CLARE)	25B06
BLEACH	25B07
BOW	25B10
CAHERNAHALLIA	25C01
CAPPAGH (GALWAY)	25C03
CAPPAWHITE STREAM	25C10
CAUTEEN	25C04
CLOGHAUN	25C07
COOS	25C08
CORRA	25C09
DEAD	25D01
DERRAINY	25D10
DOLLA	25D08
DOON STREAM	25D03
DOONANE	25D04
DRUMANDOORA	25D06
DRUMKEARY STREAM	25D11
DUNIRY	25D07
EYRECOURT STREAM	25E01
GLASHACLOONARAVEELA	25G02
GLENOMRA WOOD STREAM	25G12
GORTNAGERAGH	25G03
GORTNAGOWNA	25G13
GRANEY (SHANNON)	25G04
GROODY	25G05
INCH (BILBOA) *	25I01
KILCROW	25K01
KILLEENGARRIFF	25K02
KILMASTULLA	25K04
LISDUFF (KILCROW)	25L06
LISDUFF STREAM (SHANNON)	25L07
MOUNTRICE	25M03
MULKEAR (LIMERICK)	25M04
NENAGH	25N01
NEWPORT (TIPPERARY)	25N02
NEWTOWN	25N03
OLLATRIM	25O01

HYDROMETRIC AREA 25 (Shannon Lower: Balance of Survey)

Partial Survey in 2011, Balance of Survey 2012

SCARRIFF STREAM	25S08
SHANNON (Lower)	25S01
SILVERMINES VILLAGE STREAM *	25S10
SMALL (TIPPERARY)	25S05
TOEM STREAM	25T05
WOODFORD (GALWAY)	25W01
YELLOW (KILMASTULLA)	25Y01
YOUGHAL (TIPPERARY)	25Y02

* INCH (BILBOA) Formerly Inch Branch of Bilboa River 25B03

* SILVERMINES VILLAGE STREAM Kilmastulla 0040 to 0100 incl.

River and Code : **ANNAGH (TIPPERARY)**

25/A/02

Tributary of : 25K02 KILLEENGARRIFF

OS Catchment No: 155

OS Grid Ref of Confluence: R 685 578

Date(s) Surveyed: 1/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1983	1987	1993	1996	1999	2002	2005	2008	2012
0040	-	-	-	5	5	4-5	4-5	4	4	4
0050	-	-	5	-	-	-	-	-	-	-
0100	5	5	5	4-5	4-5	4-5	4-5	4-5	4	4
0160	-	-	5	-	-	-	-	-	-	-
0200	5	5	5	5	4-5	4-5	4	4-5	4-5	4
0250	-	-	5	-	-	-	-	-	-	-
0300	5	5	5	5	4-5	4-5	4	4-5	4	4-5
0400	-	-	5	-	-	-	-	-	-	-
0500	-	-	-	4	4	4-5	4-5	-	-	-

Assessment: The Annagh (Tipperary) River remains in a satisfactory ecological condition when surveyed in August 2012. The macroinvertebrate fauna indicated good ecological conditions in the upper reaches (0040, 0100). A decline in the pollution sensitive macroinvertebrate faunal diversity indicated a decline from high to good ecological conditions at Charlotte's Bridge (0200) while an increase in the diversity of pollution sensitive species indicated an increase to high ecological conditions downstream at Ahacrossan Bridge (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s Inchinmathea Br	184941	162359	59	TY
0050	Inchinmathea Br	0	0	59	TY
0100	Tooreenbrien Br	181438	160210	59	TY
0160	Ford NW of Vauchluce Cott	0	0	65	LK
0200	Charlotte's Br	175109	159182	65	LK
0250	Clare Br	0	0	65	LK
0300	Ahacrossaun Br	171824	159275	65	LK
0400	Ford d/s Ahacrossaun Br	0	0	65	LK
0500	100m u/s Annagh Br	168447	158106	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	244	4	100	0	8	23	24	0	0	0	46
0100	179	22	100	0	39	19	21	0	0	0	22
0200	135	52	100	0	32	23	19	0	1	0	25
0300	37	65	100	0	41	19	15	0	1	0	23
0500	29	128	79	21	48	10	14	0	6	0	22

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ARDCLOONY**
 Tributary of : Parteen Reservoir
 OS Grid Ref of Confluence: R 674 674
 Date(s) Surveyed: 30/8/2012

25/A/03
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1984	1988	1994	1996	1999	2002	2005	2009	2012
0100	-	5	-	5	5	5	5	5	5
0200	5	5	4-5	-	-	-	-	-	-

Assessment: The Ardclony is still at the highest biological water quality rating of the Q-value scale and as such deserves special protection.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballycorney Br	166965	170671	58	CE
0200	Ardclony Br	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	71	11	100	0	41	12	26	0	12	0	9

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ARDGREGANE STREAM**

25/A/04

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: R 826 794

Date(s) Surveyed: 17/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0100	-	-	3	3-4	3*	3-4	-	3-4
0200	3	3	-	-	-	-	-	-
0400	3	3	3-4	4	3-4*	3-4	3-4	3-4*

Assessment: The paucity of sensitive macroinvertebrate fauna continues to indicate unsatisfactory ecological conditions at the two stations surveyed on the Ardgregane Stream in July 2012. Enriched conditions were evident with luxuriant instream plant and algal growth and excessive siltation noted in the lower reaches (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Grallagh	183334	178316	59	TY
0200	Hogan's Pass Br	182900	180400	59	TY
0400	Crannagh Br W of Ardgregane	181180	181404	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	46	11	26	74	90	0	0	0	4	0	6
0400	33	25	33	67	83	0	0	1	13	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AYLE**
 Tributary of : 25C07 CLOGHAUN
 OS Grid Ref of Confluence: R 543 827
 Date(s) Surveyed: 30/8/2012

25/A/07
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1993	1996	1999	2003	2006	2009	2012
0300	5	5	4-5	5	-	-	-	-
0400	5	5	4-5	4-5	4-5	4	4-5	4-5

Assessment: High ecological conditions have been maintained in the Ayle in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ayle Br	153893	184793	58	CE
0400	Br u/s Cloghaun R confl	154346	183526	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	56	8	98	2	61	5	16	0	16	0	2
0400	45	1	0	100	76	0	24	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINLOUGH STREAM**

25/B/15

Tributary of : 25C03 CAPPAGH (GALWAY)

OS Catchment No: 155

OS Grid Ref of Confluence: M 775 051

Date(s) Surveyed: 5/10/2012, 6/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1993	1996	1999	2003	2009	2012
0050	-	5	4-5	4-5	4	4-5	4-5	4-5
0100	-	4	4	-	-	-	-	-
0200	-	-	-	4-5	4	-	-	-
0300	-	5	-	-	-	4-5	4-5	4-5
0400	-	-	4-5	-	-	-	-	-
0500	4	4-5	4	3	4-5	4-5	4-5	4-5

Assessment: High ecological conditions continue at the three stations assessed on the Ballinlough Stream in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br S Acres	167848	202290	52	GY
0100	First Br d/s Ballin Lough	168879	202651	0	GY
0200	Br E of Silverstream House	171875	202970	52	GY
0300	Br at Ballygowan	173200	204075	0	
0400	Br N of Brookville	0	0	0	
0500	Bridge u/s Cappagh River	176786	205015	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	119	4	72	28	30	8	43	0	0	0	18
0200	81	12	52	48	47	6	22	0	5	0	20
0500	36	27	42	58	60	7	11	0	6	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINTOTTY**
 Tributary of : 25O01 OLLATRIM
 OS Grid Ref of Confluence: R 895 790
 Date(s) Surveyed: 10/7/2012

25/B/01
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1984	1986	1987	1988	1993	2002	2005	2008	2012
0040	-	-	-	-	-	4	-	-	-	-
0100	3-4	-	4	4	-	3	3	3-4	3-4	4
0110	-	1	3-4	2	3	-	-	-	-	-
0200	3-4	3	3	3	-	-	-	-	-	-
0240	-	-	-	-	-	3	3-4	3-4	-	4*
0300	3-4	3	4-5	3-4	-	3	3-4	3-4	3-4	4

Assessment: The macroinvertebrate community indicated a welcome improvement to satisfactory good ecological conditions at all three stations examined in July 2012. Such conditions have not been observed at the majority of these sites for over twenty five years however excessive algal growth and excessive siltation continues to indicate some nutrient enrichment particularly in the upper reaches (0100, 0240) which will need addressing in order to maintain this improvement.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br NW of Moanmore	0	0	59	
0100	Phillabeen Br	197074	177638	59	TY
0110	Br 0.1km d/s Phillabeen Br	0	0	59	
0200	Br NE of Coolderry	0	0	59	TY
0240	Br SE of Norwood	192720	177850	59	
0300	Consedine Br (u/s Ollatrim R Confl)	189463	179072	59	TY

River and Code : **BALLYQUIVEEN STREAM**

25/B/30

Tributary of : 25N01 NENAGH

OS Catchment No: 155

OS Grid Ref of Confluence: R 915 740

Date(s) Surveyed: 11/7/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1993	1996	1999	2002	2005	2008	2012
0300	3-4	3-4	3-4	4	4	4	4

Assessment: The macroinvertebrate fauna indicated satisfactory good ecological conditions in July 2012 however some signs of enrichment were evident with excessive siltation and luxuriant plant and algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Nenagh R confl	191082	173522	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	81	6	89	11	84	11	5	0	0	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BARNACULLIA STREAM** 25/B/14
 Tributary of : 25L06 LISDUFF (KILCROW) OS Catchment No: 155
 OS Grid Ref of Confluence: M 766 138
 Date(s) Surveyed: 1/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1982	1983	1984	1986	1987	1988	1993	1996	2003	2009	2012
0100	1/0	1/0	2/0	3/0	2/0	2-3/0	3/0	3/0	2/0	3/0	3-4/0

Assessment: At Station 0100, while mayfly and stonefly nymphs are plentiful, overall diversity is low and mollusca and crustaceans are absent. Evidence of toxicity still remains at this Barnacullia Stream site adjacent to the old Tynagh mine tailing, indicated by poor faunal density and diversity in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge at Barnacullia	175178	213471	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	56	2	16	84	57	0	0	43	1	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BILBOA**

25/B/03

Tributary of : 25D01 DEAD

OS Catchment No: 155

OS Grid Ref of Confluence: R 763 478

Date(s) Surveyed: 7/8/2012, 8/8/2012, 10/8/2012, 12/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1979	1983	1987	1989	1993	1996	1999	2002	2005	2008	2012
0004	-	-	-	4	3-4	4	3	-	-	-	-
0008	-	-	-	4	4	3-4	4	4	-	-	-
0010	-	-	4	-	3-4	3-4	3-4	3-4	4	4-5*	4*
0020	-	-	4-5	-	3-4	-	-	-	-	-	-
0050	-	-	-	-	4-5	4-5	-	-	-	-	-
0080	-	-	5	-	5	4-5	5	4-5	4-5	4-5	4-5
0100	5	5	5	-	-	-	-	-	-	-	-
0200	5	5	5	-	-	-	-	-	-	-	-
0300	5	5	5	-	5	4	4-5	3-4	4	4	4
0400	5	5	5	-	-	-	-	-	-	-	-
0500	-	-	5	-	4-5	4	-	3-4*	3-4	3-4	4

Assessment: The Bilboa River was in a satisfactory ecological condition in 2012. The macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions at Kilcommon (0010). Signs of enrichment were evident with enhanced instream plant and algal growth and excessive siltation of the substratum observed. The increased diversity of sensitive macroinvertebrate species indicated a welcome improvement from moderate to good ecological conditions in the lower reaches (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0004	Br SE of Loughbrack	191700	158600	66	TY
0008	Br u/s Main R confl	188856	158561	66	TY
0010	Br in Kilcommon	190189	160111	59	TY
0020	Anglesey Br	0	0	66	TY
0050	SE of Cappaharoe	185166	157513	66	LK
0080	Bilboa Br u/s Blackboy Br	181596	151911	66	LK
0100	Blackboy Br	0	0	65	LK
0200	Doon Rd Br Cappamore	0	0	65	LK
0300	Br 1.5 km d/s Cappamore	177975	150508	65	LK
0400	New Br u/s Dead R	0	0	65	LK
0500	Br at Pullagh u/s Dead R	177388	147978	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0008	189	24	100	0	66	6	16	0	2	0	11
0010	200	6	100	0	74	6	14	0	4	0	2
0050	155	49	100	0	45	7	14	0	19	0	15
0080	79	85	100	0	42	9	11	0	25	0	13
0300	52	120	95	5	48	8	10	0	23	0	11
0500	45	122	93	7	49	8	10	0	22	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACKWATER (CLARE)**

25/B/06

Tributary of : 25S01 SHANNON (Lower)

OS Catchment No: 155

OS Grid Ref of Confluence: R 609 587

Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1984	1986	1988	1994	1996	1999	2002	2006	2009	2012
0030	-	-	5	5	-	4-5	3-4*	4	-	-
0060	-	-	-	-	4	-	-	-	-	-
0080	-	-	5	-	-	-	-	-	-	-
0100	-	4	-	-	-	-	-	-	-	-
0120	-	-	4-5	5	4	4	4-5	4-5	4-5	4-5
0180	-	-	3	3-4	4-5	4	-	-	-	-
0250	4	4	-	4-5	4-5	4-5	4	4	4-5	4
0300	-	3	4	-	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated continuing high ecological conditions in the upper reaches (0120) while a decline to good ecological conditions was noted at the lower station (0250) in late August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br SE of Cappanagh	156366	165519	58	CE
0060	1st Br u/s Trough Br	157721	165416	58	CE
0080	Trough Br	0	0	0	CE
0100	Killaly's Br	0	0	0	CE
0120	Br d/s Killaly's Br	159307	165480	58	CE
0180	Br nr Blackwater Mills	159421	162466	58	CE
0250	Br SW of Mt St Catherine	161199	161530	58	CE
0300	Gilloge Bridge	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	72	8	100	0	45	6	1	2	19	0	27
0060	49	20	100	0	53	4	7	1	14	0	22
0120	40	36	100	0	57	3	11	0	8	0	21
0180	25	53	97	3	64	5	11	0	6	0	14
0250	16	59	90	10	65	5	10	1	6	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLEACH**
 Tributary of : Lough Graney
 OS Grid Ref of Confluence: R 556 949
 Date(s) Surveyed: 31/8/2012

25/B/07
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1989	1993	1996	1999	2003	2006	2009	2012
0100	-	5	-	4-5	4-5	4-5	-	-	4
0190	-	-	-	-	-	-	4-5	4-5	4-5
0200	5	5	5	4-5	4-5	4-5	-	-	4-5

Assessment: The macroinvertebrate fauna indicated a decline from high to good ecological conditions in the upper reaches (0100) since last surveyed in 2003. The dominance of pollution sensitive macroinvertebrate species indicated high ecological conditions in the lower reaches (0190, 0200) in late August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Corlea Br	160125	196179	52	CE
0190	Br u/s Bleach Br	157330	195920	52	CE
0200	Bleach Br	157008	195709	52	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	93	46	100	0	2	32	23	0	0	2	40
0200	54	61	98	2	5	33	26	0	0	2	34

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BOW**
 Tributary of : Lough Derg
 OS Grid Ref of Confluence: R 678 847
 Date(s) Surveyed: 30/8/2012

25/B/10
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)										
	1975	1980	1984	1988	1993	1996	1999	2002	2006	2009	2012
0100	-	5	5	5	5	5	5	4-5	-	4	4-5
0200	5	5	4-5	5	5	3-4	4-5	4-5	4-5	5	4-5

Assessment: While high ecological conditions were recorded at both stations assessed on the Bow River in 2012, the slight improvement in Q-value at Station 0100 is balanced by a slight drop in Q-value at Station 0200, where the highest water quality was recorded in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bow River Br	166576	187099	58	CE
0200	Cloontymweenagh Br	167422	185157	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	66	10	100	0	40	0	38	0	6	0	15
0200	34	12	86	14	48	0	33	0	6	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAHERNAHALLIA**

25/C/01

Tributary of : 25D01 DEAD

OS Catchment No: 155

OS Grid Ref of Confluence: R 814 468

Date(s) Surveyed: 8/8/2012, 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1983	1987	1993	1996	1999	2002	2005	2008	2012
0010	-	-	4	3-4	4	3-4	-	-	-	-
0025	-	4	5	-	-	-	3-4	4-5	4	4
0060	-	4-5	5	4	5	4-5	-	-	-	-
0100	4	4	4-5	3-4	4	4	4	4	3-4*	4

Assessment: The macroinvertebrate fauna continues to indicate good ecological conditions at Glengar Bridge however abundant instream macrophyte growth indicates some enrichment. The macroinvertebrate fauna indicated a welcome improvement to good ecological conditions in the lower reaches (0100) when surveyed in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br N of Foildarg	188115	152363	66	TY
0025	Glengar Br WNW of Leugh	186706	151047	0	TY
0060	Cahernahallia Br	185297	149158	66	LK
0100	Br u/s Dead R confl	182788	148245	66	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	174	7	100	0	41	25	10	0	4	0	19
0060	98	15	100	0	46	19	6	0	16	0	14
0100	59	22	79	20	63	13	4	0	11	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAPPAGH (GALWAY)**

25/C/03

Tributary of : 25K01 KILCROW

OS Catchment No: 155

OS Grid Ref of Confluence: M 795 042

Date(s) Surveyed: 5/10/2012

Station Nos.	1975	1979	1983	1987	1993	1996	Biological Quality Ratings (Q Values)				
							1999	2003	2006	2009	2012
0070	-	-	-	-	-	-	4-5	-	-	-	-
0100	-	-	-	4-5	4	3-4	3-4	3-4	4	4-5	4
0200	4	4	4	3-4	4	3	4	4	4	-	-
0300	-	-	4	4	4	4	4-5	-	-	-	-
0400	-	-	4	4	4	-	-	4-5	3-4	3-4	4
0500	4-5	5	4	4	4	4	4	-	-	-	-

Assessment: The macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions in the upper reaches (0100) of the Cappagh (Galway) River while a satisfactory improvement from moderate to good ecological conditions was noted downstream at Cappagh Bridge (0400) in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	Br u/s Metal Br	167644	211189	52	GY
0100	Metal Bridge	168182	211277	52	GY
0200	Bridge W. of Duniry Village	172362	209351	53	GY
0300	1.5 km N.E. of Abbey	175240	207147	53	GY
0400	Cappagh Bridge	177220	205615	0	GY
0500	Cloonmoylan Bridge	178780	204688	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	55	13	70	30	28	32	6	0	0	0	34
0100	50	13	67	33	30	30	6	0	0	0	33
0200	41	62	23	77	76	8	1	1	6	0	8
0300	36	127	32	68	64	12	9	1	5	0	9
0500	32	165	32	68	65	11	9	0	5	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAPPAWHITE STREAM**

25/C/10

Tributary of : 25D01 DEAD

OS Catchment No: 155

OS Grid Ref of Confluence: R 841 456

Date(s) Surveyed: 8/8/2012, 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1979	1981	1983	1985	1987	1993	1996	1999	2002	2005	2008	2012
0200	3-4	3-4	3	3	3	3	3	3	3	3	3	3-4
0300	-	-	-	-	3	3	3	3	3*	4	-	4

Assessment: The macroinvertebrate fauna indicated a slight improvement to moderate ecological conditions at Gortandrum Bridge (0200) however continuing enrichment was noted with abundant algal growth and excessive siltation observed. Good ecological conditions were noted downstream at Ayle Bridge (0300) however some enrichment was evident with siltation and algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Gortandrum Br	188000	146202	66	TY
0300	Ayle Br NE of Clonbrick	185692	144734	66	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	91	6	100	0	71	6	0	3	19	0	0
0300	65	16	81	19	85	4	0	2	9	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAUTEEN**
 Tributary of : 25D01 DEAD
 OS Grid Ref of Confluence: R 840 457
 Date(s) Surveyed: 9/8/2012

25/C/04
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0200	3	3	3	3	3-4	-	-	-
0300	-	-	-	3	-	-	-	-
0400	-	-	-	2	-	-	-	-
0500	3	3	3	3	3-4	3-4	3-4	3-4

Assessment: The paucity of sensitive macroinvertebrate fauna continues to indicate unsatisfactory moderate ecological conditions at Cauteen Bridge (0500) when surveyed in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Gortnacoolagh Br	189532	144124	66	TY
0300	Gortnacoolagh Br	189105	144430	66	TY
0400	1st Br u/s Cauteen Br	188600	144304	66	TY
0500	Cauteen Br (d/s side)	187606	143591	66	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	83	18	44	56	100	0	0	0	0	0	0
0300	82	19	46	54	100	0	0	0	0	0	0
0400	80	19	47	53	100	0	0	0	0	0	0
0500	74	21	47	53	100	0	0	0	0	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOGHAUN**
 Tributary of : 25G04 GRANNEY (SHANNON)
 OS Grid Ref of Confluence: R 602 844
 Date(s) Surveyed: 30/8/2012

25/C/07

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1986	1987	1989	1993	1996	1999	2003	2006	2009	2012
0100	-	-	5	-	-	-	-	-	-	-
0200	-	-	5	4	4-5	4-5	4-5	4	4	4-5
0300	-	-	-	4	-	-	-	-	-	-
0400	-	-	4-5	-	4-5	4	4	4	4	4-5
0500	-	-	4	-	3-4	3-4	3-4	-	-	-
0600	4	4-5	5	4-5	3-4	4	3-4	3-4	4	4

Assessment: Over the past decade, there has been a general improvement in the biological water quality of the Cloghaun, with the upper two stations exhibiting high ecological conditions and the lowermost station at good ecological quality in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Glendree	0	0	0	CE
0200	Br N of Gortacummer	152101	183895	58	CE
0300	Garrauncam Br	0	0	0	CE
0400	Annaghneal Br	155747	182673	58	CE
0500	Cloghaun Br	157574	182766	58	CE
0600	Core Br	159779	184402	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	47	10	86	14	51	20	13	0	0	0	16
0400	39	33	55	44	65	8	11	0	10	1	5
0500	40	1	0	100	70	0	19	0	11	0	0
0600	39	28	51	49	75	1	10	1	13	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOS**
 Tributary of : Lough Derg
 OS Grid Ref of Confluence: R 763 946
 Date(s) Surveyed: 1/9/2012, 31/8/2012

25/C/08
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)												
	1975	1979	1984	1987	1988	1989	1993	1996	1999	2003	2006	2009	2012
0010	-	-	-	-	-	-	-	5	4-5	4	4	4	4
0020	-	-	-	-	-	-	4-5	-	-	-	-	-	-
0040	-	-	-	-	-	5	-	-	-	-	-	-	-
0081	-	-	-	-	-	-	4-5	-	-	-	-	-	-
0100	5	5	4-5	4	-	-	4	-	-	-	-	-	-
0180	-	-	-	4	-	-	4-5	3	-	-	-	-	-
0200	3-4	5	4	1	2	3	2-3	-	1	3	4	4	4

Assessment: Good ecological conditions maintained at both stations assessed in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br N of Boleynabrone	170700	194698	52	GY
0020	Ford NE of Boleynabrone	0	0	0	GY
0040	Ford WNW of Tooreeny	0	0	0	GY
0081	Tributary from Lower Village	0	0	0	GY
0100	Br u/s L Derg	0	0	0	GY
0180	Br N of Tooreeny	174793	193936	53	GY
0200	Tooreeny Br	175169	193760	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	147	8	100	0	0	12	59	0	0	0	29
0180	41	15	100	0	11	7	67	0	0	0	15
0200	36	15	100	0	12	6	67	0	0	0	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CORRA** **25/C/09**
 Tributary of : 25G04 GRANNEY (SHANNON) OS Catchment No: 155
 OS Grid Ref of Confluence: R 594 888
 Date(s) Surveyed: 31/8/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1989	1993	1996	1999	2003	2006	2009	2012
0100	-	5	-	5	5	4-5	-	-	3
0400	5	5	5	5	5	5	4-5	4-5	4-5

Assessment: The macroinvertebrate fauna indicated a significant decline in ecological conditions at Station 0100 since it was last assessed in 2003. The drop here from high in 2003 to the current moderate ecological conditions is seen with a complete absence of pollution sensitive invertebrates and dominance of pollution tolerant species. Recent clear-felling noted in the catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Corrakyle	161499	191278	52	CE
0400	Gortaderry Br	159503	189303	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	145	11	100	0	8	34	37	0	0	0	21
0400	49	19	100	0	33	23	33	0	0	0	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEAD**

25/D/01

Tributary of : 25M04 MULKEAR (LIMERICK)

OS Catchment No: 155

OS Grid Ref of Confluence: R 763 478

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1979	1981	1985	1987	1993	1996	1999	2002	2005	2008	2012
0100	3-4	4	3-4	3	3	3	3	3-4*	3	3-4	3-4
0150	-	-	3-4	3-4	-	-	-	-	-	-	-
0200	4-5	4-5	4	4	3-4	3	3	3-4*	3-4	3-4	3-4
0300	-	4-5	4	4-5	-	-	-	-	-	-	-

Assessment: The paucity of sensitive macroinvertebrate species, enhanced plant and algal growth, excessive siltation and calcification of the substrate indicate significantly enriched conditions at both locations surveyed in August 2012. Unsatisfactory ecological conditions overall persist.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Pope's Br	185579	143753	66	TY
0150	Longford Br	0	0	66	LK
0200	Derraun Br	182500	146327	66	LK
0300	0.2km d/s Br S of Pullagh u/s Bilboa R confl	0	0	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	64	59	51	49	95	0	0	5	0	0	0
0200	50	108	47	53	91	1	0	3	4	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERRAINY**
 Tributary of : Lough Alewnaghta
 OS Grid Ref of Confluence: R 755 911
 Date(s) Surveyed: 1/9/2012

25/D/10

OS Catchment No: 155

Station Nos.							Biological Quality Ratings (Q Values)				
	1982	1984	1987	1988	1993	1996	1999	2002	2006	2009	2012
0100	-	5	-	5	4	-	-	-	-	-	-
0200	4-5	3-4	5	-	5	4	4	4-5	4-5	4-5	3-4*

Assessment: The low diversity and abundance of macroinvertebrate species indicated an unwelcome decline from high to moderate ecological conditions on the Derrainy in September 2012. The interstitial spaces between stones were heavily filled with fine peaty silt at the station assessed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Derroran Br	171448	190356	52	CE
0200	Br at Derrainy	174987	191548	53	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	107	6	100	0	4	20	49	0	0	0	27
0200	36	15	99	1	3	28	22	0	19	0	28

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOLLA**
 Tributary of : 25N01 NENAGH
 OS Grid Ref of Confluence: R 882 742
 Date(s) Surveyed: 11/7/2012

25/D/08
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0300	4	5	-	-	-	-	-	-
0400	4-5	4-5	4	4	4	4	4	4-5

Assessment: Continuing satisfactory in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br at Dolla	0	0	59	TY
0400	Br u/s Nenagh R confl	187894	173610	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	67	23	90	10	77	6	5	0	8	0	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOON STREAM**

25/D/03

Tributary of : 25D01 DEAD

OS Catchment No: 155

OS Grid Ref of Confluence:

Date(s) Surveyed: 9/8/2012

Station Nos.

2008

Biological Quality Ratings (Q Values)

2012

0600

3-4*

3-4*

Assessment: The paucity of pollution sensitive macroinvertebrate species indicated unsatisfactory ecological conditions on the Doon stream in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Br at Gortavalla (SW of Doon)	181443	148937	66	LK

River and Code : **DOONANE** **25/D/04**
 Tributary of : 25N02 NEWPORT (TIPPERARY) OS Catchment No: 155
 OS Grid Ref of Confluence: R 778 651
 Date(s) Surveyed: 1/8/2012, 2/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0010	-	-	-	4-5	4-5	4-5	-	4-5
0100	5	-	-	-	-	-	-	-
0200	5	5	5	4-5	4-5	5	4-5	4-5

Assessment: The diversity of pollution sensitive macroinvertebrate fauna indicated high ecological conditions at the two stations surveyed on the Doonane River in August 2012. Some signs of enrichment were evident with enhanced algal growth noted at both stations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Ford ENE of Toor	181233	164407	59	TY
0100	Br W of Toorataggart	179821	164680	59	TY
0200	Br u/s Newport R confl	177802	165126	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	207	4	100	0	0	29	11	0	8	0	52
0100	166	12	100	0	0	14	19	0	22	0	46
0200	129	15	100	0	0	13	20	0	22	0	44

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMANDOORA**

25/D/06

Tributary of : Lough Graney

OS Catchment No: 155

OS Grid Ref of Confluence: R 551 951

Date(s) Surveyed: 31/8/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1989	1994	1996	1999	2003	2006	2009	2012
0200	-	5	5	4	4-5	4-5	-	-	5
0500	-	-	-	-	4-5	4	4-5	4-5	4
0600	4	4	4-5	4	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated continuing high ecological conditions in the upper reaches (0200) however a decline from high to good ecological conditions was indicated at the lower station (0500) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br N of Drumandoora West	150711	194288	52	CE
0500	2nd Br u/s Lough Graney	153711	195643	52	CE
0600	Br u/s L Graney	153681	195648	52	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	92	5	100	0	32	8	47	0	0	0	13
0500	49	16	100	0	37	8	19	0	0	0	36
0600	49	16	100	0	37	8	19	0	0	0	36

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMKEARY STREAM**

25/D/11

Tributary of : 25D07 DUNIRY

OS Catchment No: 155

OS Grid Ref of Confluence: M 698 088

Date(s) Surveyed: 5/10/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1989	1993	1996	1999	2003	2006	2009	2012
0300	-	4	4-5	4-5	4-5	4	4	4	4-5
0350	5	-	5	-	4-5	4-5	4	4-5	4-5
0500	-	-	-	4-5	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated high ecological conditions at both sites assessed on the Drumkeary Stream in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge N.W. of Drumkeary	167822	206490	52	GY
0350	Second Br u/s Duniry River	169636	207376	52	GY
0500	Just u/s Duniry R confl.	169616	208641	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	81	10	83	17	8	16	56	0	3	0	17
0350	59	18	60	40	28	14	42	0	2	0	14
0500	52	16	95	5	3	51	13	0	7	0	25

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUNIRY**

25/D/07

Tributary of : 25C03 CAPPAGH (GALWAY)

OS Catchment No: 155

OS Grid Ref of Confluence: M 723 090

Date(s) Surveyed: 5/10/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1989	1993	1996	1999	2003	2006	2009	2012
0100	5	5	4-5	5	4-5	4-5	4	4	4
0200	-	5	4-5	5	4-5	4-5	4-5	-	4-5
0300	5	-	-	-	-	-	-	-	-
0400	5	5	5	5	5	5	4-5	4-5	4-5

Assessment: The good ecological conditions at Station 0100 and the high ecological conditions at Stations 0200 and 0400, recorded in the Duniry in 2009 have been maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cullenagh Bridge	164876	207685	52	GY
0200	Bridge u/s Ballinasack Br	169103	208710	52	GY
0300	Ballinasack Bridge	0	0	0	
0400	Just u/s Cappagh River confl	172204	208956	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	153	8	100	0	0	41	22	0	10	0	27
0200	56	16	95	5	3	51	13	0	7	0	25
0400	40	102	40	60	56	15	11	0	5	0	12

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **EYRECOURT STREAM**

25/E/01

Tributary of : 25S01 SHANNON (Lower)

OS Catchment No: 155

OS Grid Ref of Confluence: M 957 152

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1980	1983	1986	1988	1993	1996	1999	2003	2006	2009	2012
0050	-	3-4	3-4	3-4	4	-	4	3	-	-	-
0100	3	3	3	2-3	3	2	2-3	2-3	2-3	3	2-3
0200	-	-	3	3	3	-	3	3	n/s	3	2-3
0300	-	-	3	3	3	-	-	-	-	-	-

Assessment: The complete lack of sensitive macroinvertebrate species and dominance of pollution tolerant species continues to indicate poor ecological conditions at the two stations surveyed on the Eyrecourt Stream in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge W.S.W. of Eyrecourt	190557	216424	53	GY
0100	Bridge N.N.E. of Fearmore	193323	215927	53	GY
0200	Br at Kilhonerush	195174	215015	53	GY
0300	Br u/s Shannon River confl	195165	215010	0	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	56	5	0	100	89	0	4	0	4	0	2
0100	41	14	0	100	89	0	1	2	6	0	1
0200	36	17	0	100	88	0	1	2	8	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLASHACLOONARAVEELA**

25/G/02

Tributary of : 25B03 BILBOA

OS Catchment No: 155

OS Grid Ref of Confluence: R 795 519

Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0100	-	5	5	5	4-5	-	-	4-5
0500	5	5	4	4-5	4-5	4-5	4	4*

Assessment: The macroinvertebrate fauna indicated high ecological conditions in the upper reaches (0100) of the Glashacloonaraveela River in August 2012. The macroinvertebrate fauna indicated continuing good ecological conditions at Glasha Bridge (0500) although enhanced macroalgal growth and excessive siltation of the substratum was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Crehaun	182196	155473	66	LK
0500	Glasha Br u/s Bilboa R confl	180075	153503	66	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	177	2	100	0	12	17	25	0	22	0	25
0500	84	14	100	0	40	14	7	0	26	0	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENOMRA WOOD STREAM** **25/G/12**
 Tributary of : 25B06 BLACKWATER (CLARE) OS Catchment No: 155
 OS Grid Ref of Confluence: R 598 646
 Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1994	1996	1999	2002	2009	2012
0100	4	4-5	4-5	4-5	4	4	4

Assessment: Good ecological conditions maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Blackwater R confl	160032	165862	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	44	11	100	0	68	13	20	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GORTNAGERAGH**

25/G/03

Tributary of : 25B03 BILBOA

OS Catchment No: 155

OS Grid Ref of Confluence: R 826 526

Date(s) Surveyed: 7/8/2012, 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0200	-	4	4-5	4-5	4-5	4-5	4	4
0300	5	5	4-5	4-5	4-5	4	4	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions on the Gortnageragh River in 2012 although excessive siltation was noted at both locations examined.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW of Foilycleary	187105	154882	66	TY
0300	Br u/s Bilboa R confl	182653	152685	66	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	209	6	100	0	24	20	10	0	0	0	46
0300	97	16	100	0	35	23	6	0	16	0	20

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GORTNAGOWNA**

25/G/13

Tributary of : 25N01 NENAGH

OS Catchment No: 155

OS Grid Ref of Confluence: S 957 690

Date(s) Surveyed: 11/7/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1993	1996	1999	2002	2005	2008	2012
0300	4-5	-	-	-	-	-	-
0400	-	4	4-5	4-5	4-5	4	4-5
0500	4-5	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated high ecological conditions on the Gortnagowna stream in July 2012 although some signs of enrichment were apparent with increased siltation and the occurrence of instream algae noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Tooreagh Br	0	0	59	TY
0400	Br u/s Cloghinch Old Br	195269	168417	59	TY
0500	Cloghinch Old Br	0	0	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	132	8	100	0	86	6	3	0	0	0	5

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GRANEY (SHANNON)**
 Tributary of : Lough Derg
 OS Grid Ref of Confluence: R 658 837
 Date(s) Surveyed: 7/9/2012, 30/8/2012, 31/8/2012

25/G/04
 OS Catchment No: 155

Biological Quality Ratings (Q Values)

Station Nos.	1971	1975	1979	1981	1984	1986	1987	1993	1994	1996	1999	2003	2006	2009	2012
0010	-	-	-	-	4	-	4-5	5	-	5	5	4-5	4-5	-	4-5
0025	-	-	-	-	4-5	-	5	5	-	5	5	5	4-5	5	5
0100	-	-	4	-	4	-	4	4	-	3	4	4-5	4	4-5	4
0150	-	-	-	-	4-5	-	4	-	-	-	-	-	-	-	-
0200	5	5	4	-	5	-	5	-	5	4	4	5	4-5	4-5	4-5
0300	5	5	4	5	4	4-5	4	-	-	4	-	3*	3-4	-	3-4
0350	-	-	-	-	-	3	3	-	3	-	-	-	-	-	-
0400	-	-	-	-	-	-	-	-	-	3	3	2	3	3-4	3

Assessment: While the high ecological conditions of the uppermost two stations (0010, 0025) and Station 0200 have been maintained, there has been an unwelcome decline from high to good ecological conditions at Station 0100 in 2012. The lowermost two stations remain in an unsatisfactory condition, with moderate ecological conditions noted at station 0300 and poor ecological conditions noted at station 0400 downstream of Scarriff town.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br d/s Lough Ea	152204	189165	58	CE
0025	Caher Br	155396	190000	52	CE
0100	Aughaderreen Br	158150	189587	58	CE
0150	New Br	160630	188406	58	CE
0200	Cooleen Br	160294	186009	58	CE
0300	1 km u/s Scarriff Br	163300	184296	58	CE
0350	Scarriff Br	164235	184262	58	CE
0400	400 m d/s Scarriff Br	164559	183801	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	185	3	100	0	3	35	44	0	0	0	19
0025	58	12	100	0	30	22	26	0	6	0	15
0100	46	131	99	1	29	21	20	0	2	4	25
0150	41	160	99	1	30	20	21	0	2	3	24
0200	39	171	99	1	33	19	19	0	2	3	24
0300	35	229	87	13	42	14	17	0	5	2	19
0350	33	238	86	14	43	14	17	0	5	2	19
0400	32	239	86	14	43	14	17	0	5	2	19

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GROODY**
 Tributary of : 25S01 SHANNON (Lower)
 OS Grid Ref of Confluence: R 604 577
 Date(s) Surveyed: 10/8/2012

25/G/05

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1983	1985	1987	1993	1996	1999	2002	2006	2008	2012
0100	4	4	4	4	3-4	3	3	3-4	3	3-4	-	-	-
0150	-	-	-	-	3-4	3	3	3	3	3	-	3	4
0200	4	4	4	4	3	3-4	3	3	3	3*	3-4	3-4	4
0300	4	4	4	4	-	3-4	3	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated a welcome improvement at Killonan Bridge (0150) from poor to good ecological conditions in August 2012 although some signs of enrichment were still evident. The macroinvertebrate fauna indicated an improvement also downstream at Ballysimon (0200) however the abundant instream algal growth and calcification and compaction of the river bed substrata indicated continuing enriched conditions on the Groody River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 2km N of Caherconlish	167746	151663	65	LK
0150	Killonan Br	163587	154302	65	LK
0200	Br in Ballysimon	161539	155168	65	LK
0300	Groody Br	160593	157094	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	33	7	0	100	95	0	0	4	0	0	0
0150	22	43	0	100	97	0	0	1	1	0	0
0200	10	48	0	100	97	0	0	2	1	0	0
0300	6	51	0	100	94	0	0	5	1	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **INCH (BILBOA)**
 Tributary of : 25B03 BILBOA
 OS Grid Ref of Confluence: R 886 584
 Date(s) Surveyed: 7/8/2012

25/I/01
 OS Catchment No: 155b

Formerly Inch Branch of Bilboa River 25B03

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1996	1999	2002	2005	2008	2012
0004	4	3-4	4	3	3-4*	3-4	-	3-4
0008	4	4	3-4	4	4	4-5	4	4

Assessment: The paucity of sensitive macroinvertebrate species and excessively abundant instream macrophyte growth continues to indicate unsatisfactory moderate ecological conditions in the upper reaches (0004) of the Inch (Bilboa) River. Good ecological conditions continue on the lower reaches (0008) when surveyed in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0004	Br SE of Loughbrack	191700	158600	66	TY
0008	Br u/s Bilboa R. Confl.	188906	158312	66	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0008	189	24	100	0	66	6	16	0	2	0	11

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILCROW**

25/K/01

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: M 801 031

Date(s) Surveyed: 1/9/2012, 6/10/2012, 7/9/2012

Biological Quality Ratings (Q Values)

Station Nos.	1975	1979	1980	1983	1986	1988	1989	1993	1996	1999	2003	2006	2009	2012
0005	-	-	-	-	-	-	3-4	-	-	-	-	-	-	-
0009	-	-	-	-	-	-	3-4	4	2-3	4	2-3	-	-	-
0020	-	-	-	-	-	4	-	-	4	4	4	4	4	3-4
0040	-	-	-	-	-	4	-	-	-	-	-	-	-	-
0060	-	-	-	-	-	-	-	4	-	-	-	3	-	3-4
0100	-	-	4	4	3-4	4	-	3	3	3	3-4	4	-	3-4
0200	2	4	4	3-4	4	4	-	4	3	4	-	-	-	-
0300	-	-	3	3	3	4	-	4	3	3-4	3-4	3	4	3-4
0350	-	-	3-4	3	3-4	-	-	-	-	-	-	-	-	-
0360	-	-	-	-	3-4	4	-	3-4	2-3	4	4	3-4	4	3-4
0400	-	-	3-4	3-4	3-4	3-4	-	4	-	3-4	3	3	-	-
0500	4	4	4	4	4	4	-	3	2-3	3	-	-	3-4	3-4
0600	-	-	4	4-5	4	4	-	3-4	3	4	3-4	3	-	-
0700	4	4	4	4-5	4	4	-	3	3-4	4	4	3-4	4	4

Assessment: There was an overall general decline noted in the Kilcrow River in 2012 where six of the seven stations surveyed indicated unsatisfactory moderate ecological conditions. The paucity of sensitive macroinvertebrate species and dominance of pollution tolerant species indicated an unwelcome decline at Killoran Bridge (0020), Ahanageleery Bridge (0100), downstream of Killimor at Hearnbrook Bridge (0300) and downstream of the Lisduff (Kilcrow) river confluence at West Bridge (0360). Good ecological conditions continue in the lower reaches at Ballyshrule Bridge (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0005	3rd Br u/s Main Channel	0	0	0	GY
0009	Br u/s Main Channel (at 209' mark)	180627	218695	53	GY
0020	Killoran Br	176312	221925	47	GY
0040	Bridge S.E. of Cloonlahan	0	0	0	GY
0060	1st Br u/s Ahanageleery Br	181906	217860	0	GY
0100	Ahanageleery Bridge	180635	217254	53	GY
0200	Oxgrove Bridge	180049	214999	53	GY
0300	Hearnbrook Bridge	179740	213025	53	GY
0350	East Br 2 km d/s Samp St 0300	180000	211900	0	GY
0360	West Br 2 km d/s Samp St 0300	179720	211753	53	GY
0400	Killeen Bridge	179768	211016	53	GY
0500	Moat Bridge	180011	210096	53	GY
0600	Newbridge	179395	207298	53	GY
0700	Ballyshrule Bridge	179792	205702	53	GY

Hydrometric Area 25 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0009	62	1	0	100	100	0	0	0	0	0	0
0020	80	11	0	100	91	0	0	0	6	0	3
0100	57	74	0	100	88	0	2	0	3	0	7
0200	53	97	0	100	84	0	3	0	5	0	7
0300	50	124	0	100	82	0	4	1	7	0	6
0360	43	173	1	99	84	0	3	1	7	0	4
0400	40	177	1	99	84	0	3	1	7	0	4
0500	39	184	1	99	84	0	3	1	7	0	4
0600	35	206	1	99	85	0	3	1	7	0	4
0700	33	210	1	99	85	0	3	1	7	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILLEENGARRIFF** **25/K/02**
 Tributary of : 25M04 MULKEAR (LIMERICK) OS Catchment No: 155
 OS Grid Ref of Confluence: R 678 539
 Date(s) Surveyed: 2/8/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1983	1987	1993	1996	1999	2002	2005	2008	2012
0100	5	5	5	5	5	-	-	-	-	-	-	-
0150	-	-	-	-	5	4-5	4-5	4-5	4	4-5	4	4
0200	5	5	5	4	4-5	-	-	-	-	-	-	-

Assessment: Good ecological conditions continue on the Killeengarriff River (0150) in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Annagh Br	168361	157819	65	LK
0150	Br d/s Annagh Br	168218	156324	65	LK
0200	Barrington's Br	167903	154889	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	29	200	84	16	47	13	14	0	4	0	22
0150	27	217	81	19	51	12	13	0	4	0	20
0200	25	220	79	21	52	12	12	0	4	0	20

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILMASTULLA**
 Tributary of : 25S01 SHANNON (Lower)
 OS Grid Ref of Confluence: R 697 697
 Date(s) Surveyed: 18/7/2012, 30/7/2012

25/K/04
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1976	1978	1981	1983	1985	1987	1993	1996	1999	2002	2005	2008	2012
0120	-	-	-	-	-	-	-	-	-	3	3-4	3-4	3-4	3-4	3-4
0150	-	-	-	-	-	-	-	4-5	3-4	-	-	-	-	-	-
0300	-	3	2/0	1/0	3/0	3	-	3	-	-	-	3	-	-	-
0700	-	2	1/0	1/0	2/0	3	-	3-4	-	-	-	-	-	-	-
0800	-	2	2-3	1/0	3/0	3-4	3/0	3-4	3/0	3/0	3*	3	3-4	3-4	3-4
0900	3-4	3-4	3/0	3/0	3/0	3-4	4	4	3/0	3-4	-	-	-	-	-
0910	-	-	-	-	-	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4
0950	-	-	-	-	3/0	3-4	4	4-5	-	-	-	-	-	-	-
1000	5	4-5	4	3-4	4	4	4-5	4-5	3/0	3-4	4	3-4	4	3-4	4

Assessment: The paucity of sensitive macroinvertebrate fauna and dominance of pollution tolerant macroinvertebrate species coupled with enhanced instream plant and algal growth indicated continuing unsatisfactory moderate ecological conditions at Carrow's Bridge (0120), Crana Bridge (0800) and near Cappadine (0910) on the Kilmastulla River in July 2012. A welcome improvement in the diversity of pollution sensitive macroinvertebrate species indicated a return to good ecological conditions in the lower reaches at Cool Bridge (1000) although compaction and siltation of the river bed was pronounced.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0120	Carrow Br (W of Srah Cottage)	182800	173394	59	TY
0150	Erinagh Br (W of Gortnacleha)	0	0	59	TY
0300	U/s Yellow R confl	0	0	59	TY
0700	D/s Yellow R confl	0	0	59	TY
0800	Cranna Br (SW of Cranna Ho)	178515	171886	59	TY
0900	Br NE of Cappadine	175408	170983	59	TY
0910	Br W of Cappadine	174587	170622	59	TY
0950	Br u/s Kilmastulla Br	0	0	59	TY
1000	Cool Br	170947	169506	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0120	60	18	32	68	70	4	4	2	4	0	16
0800	44	58	44	56	71	2	8	4	7	0	7
0900	38	70	46	54	76	2	7	4	6	0	6
0910	36	72	47	53	76	2	7	3	6	0	6
1000	38	70	45	55	76	2	7	4	6	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LISDUFF (KILCROW)**

25/L/06

Tributary of : 25K01 KILCROW

OS Catchment No: 155

OS Grid Ref of Confluence: M 793 124

Date(s) Surveyed: 1/9/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1980	1983	1984	1987	1993	1996	1999	2003	2006	2009	2012
0060	-	-	-	3	-	2-3	3-4	-	-	-	-
0100	-	-	-	3	3-4	3	-	4	3-4	3-4	3-4
0200	-	3-4	4	4	3	-	4	3	-	-	-
0300	3	3-4/0	3	3/0	3	-	-	-	-	-	-
0400	-	4-5	3	3/0	3	3	4	3	3/0	3-4	3-4
0500	-	3-4	3	3/0	-	-	-	-	-	-	-

Assessment: The Lisduff (Kilcrow) River drains the region of the old Tynagh Mines and toxic effects have been noted in past surveys. The macroinvertebrate fauna continues to indicate unsatisfactory moderate ecological conditions in 2012. Signs of enrichment were evident with abundant instream filamentous algal growth noted in the lower station (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br S.W. of Carrowshanbally	171265	216054	52	GY
0100	Castletown Bridge	173995	215375	53	GY
0200	Bridge at Coolagh	175744	214522	53	GY
0300	Bridge at Old Corn Mill	0	0	0	GY
0400	300 m d/s Samp Station 0300	177365	213133	53	GY
0500	Just u/s Kilcrow River confl	0	0	0	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	67	9	3	97	96	0	0	0	1	0	3
0100	53	31	1	99	95	0	0	0	4	0	1
0200	53	31	1	99	95	0	0	0	4	0	1
0400	48	42	3	97	92	0	0	3	5	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LISDUFF STREAM (SHANNON)**

25/L/07

Tributary of : 25M06 MILL STREAM (TYNAGH)

OS Catchment No: 155

OS Grid Ref of Confluence: M 773 136

Date(s) Surveyed: 1/9/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1982	1983	1984	1986	1987	1988	1993	1996	2003	2006	2009	2012
0050	-	-	-	3	2/0	1/0	3/0	3/0	3/0	n/s	-	3/0
0100	1/0	-	1-2	1-2	2-3/0	2-3	-	-	-	-	-	-
0200	1/0	1/0	3/0	3	2-3/0	-	2-3	2	2-3	-	3-4	3

Assessment: The Lisduff Stream has been historically impacted by the Tynagh Mines lake outflow (the lake covers what was an open cast section of the mine), which contains relatively high heavy metal concentrations. The paucity of macroinvertebrate fauna and low dissolved oxygen (48% saturation) indicated continuing poor ecological conditions in the upper station again in 2012. The paucity of sensitive macroinvertebrate species indicated an unwelcome decline from moderate to poor ecological conditions at the lower station (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	1.5 km S.W. Lisduff House	175531	212700	53	GY
0100	Bridge at Lisduff House	0	0	0	GY
0200	Just u/s Mill Stream confl	177094	213405	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	63	1	63	37	66	0	0	34	0	0	0
0200	50	1	44	56	71	0	0	29	0	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MOUNTRICE** **25/M/03**
 Tributary of : 25B06 BLACKWATER (CLARE) OS Catchment No: 155
 OS Grid Ref of Confluence: R 585 654
 Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1994	1996	1999	2002	2006	2009	2012
0300	4-5	5	4-5	4-5	4-5	3-4	4-5	4-5

Assessment: High ecological conditions maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Blackwater R confl	158200	166128	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	52	8	100	0	38	4	29	0	0	0	28

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MULKEAR (LIMERICK)**

25/M/04

Tributary of : 25S01 SHANNON (Lower)

OS Catchment No: 155

OS Grid Ref of Confluence: R 632 587

Date(s) Surveyed: 11/9/2012, 12/9/2012

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1975	1979	1983	1986	1987	1993	1996	1999	2002	2006	2008	2009	2012
0100	5	5	5	4	4-5	5	4	4	4	4	4-5	-	-	n/s
0200	-	-	4-5	4	4-5	4-5	3-4*	3-4	3	4	4-5	-	4	4
0300	-	5	-	-	-	4-5	3	-	-	-	-	-	-	-
0400	-	-	5	5	-	5	-	4	4	4	4	-	4-5	4
0500	5	5	4-5	5	-	5	4	3-4	4	4-5	-	-	-	-
0590	-	-	-	-	-	5	4	3-4	4	4	4-5	4	-	4-5
0600	5	5	4-5	4-5	-	4-5	-	-	-	-	-	-	-	-

Assessment: The Mulkear (Limerick) River was in a satisfactory ecological condition at the three stations surveyed in September 2012. Good ecological conditions continue at Brittas Bridge (0200) while the macroinvertebrate fauna indicated a decline from high to good ecological conditions downstream near Boher (0400). The diversity of pollution sensitive macroinvertebrate species indicated an increase from good to high ecological conditions at Annacotty Bridge (0590).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dromkeen Br	174031	148040	65	LK
0200	Brittas Br	172240	150805	65	LK
0300	Br nr Abingdon Ho	171538	153428	65	LK
0400	2km d/s St 0300 (N of Boher at bend in road)	169578	153093	65	LK
0500	Ford d/s Killeengarriff R	165236	155535	65	LK
0590	Annacotty Br d/s weir	164262	157694	65	LK
0600	1km d/s Annacotty Br (LHS)	163845	158250	65	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	43	333	56	44	74	4	4	1	11	0	5
0200	41	378	53	47	74	5	4	1	10	0	5
0300	37	394	53	47	75	5	4	1	10	0	5
0400	30	405	52	48	76	5	4	1	10	0	5
0500	18	635	61	39	68	7	7	1	8	0	10
0590	12	641	61	39	68	7	7	1	7	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NENAGH**

25/N/01

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: R 816 864

Date(s) Surveyed: 10/7/2012, 11/7/2012, 17/7/2012, 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1978	1981	1984	1986	1987	1993	1996	1999	2002	2005	2008	2012
0050	-	-	-	-	-	-	4-5	4	4-5	3-4	4-5	4-5	-	4-5
0100	-	-	5	5	5	-	4-5	5	4-5	4-5	4	4-5	4	4
0200	-	-	5	5	4-5	-	4-5	5	4-5	4-5	4	4	4	4-5
0300	-	-	4	5	5	-	5	4-5	4	4-5	4-5	4	4	4-5
0400	-	-	-	5	4-5	5	4	-	4	4-5	4	3-4	-	-
0500	5	5	4-5	5	4	4-5	5	4-5	4	4-5	4	3-4	3-4	4
0700	-	-	3-4	3-4	3-4	4	4-5	3-4	3-4	3-4	3-4	3-4	3-4	3-4
0800	-	-	4	4	4	-	3-4	3	3-4	3-4	3-4	3-4	3-4	3-4

Assessment: Of the seven stations surveyed in July 2012, five were in a satisfactory ecological condition. The macroinvertebrate fauna indicated high ecological conditions in the upper reaches near Ballyhane Cross (0050), Lacken bridge (0200) and at Ballysoilshaun Bridge (0300). Good ecological conditions were again noted at Cloghinch (0100). The macroinvertebrate fauna indicated a welcome improvement at Tyone Bridge (0500) from moderate to good ecological conditions. However unsatisfactory moderate ecological conditions continue in the lower reaches downstream of Nenagh town (0700, 0800).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NE of Ballyhane Cross	194017	168812	59	TY
0100	Cloghinch Br	196159	169391	59	TY
0200	Lacken Br	196000	173007	59	TY
0300	Ballysoilshaun Br	191603	173944	59	TY
0500	Tyone Br.	187572	177917	59	TY
0700	Br d/s Nenagh Br	186054	182277	59	TY
0800	Annaghbeg Br	183100	184890	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc	Ag.	Water	Other
0050	142	15	100	0	39	25	19	0	2	0	0	15
0100	119	31	100	0	64	14	11	0	2	0	0	9
0200	87	57	100	0	73	10	6	1	3	0	0	8
0300	74	79	93	7	75	7	5	1	7	0	0	6
0500	55	133	76	24	77	6	4	1	8	0	0	4
0700	44	293	57	43	75	4	2	2	13	0	0	3
0800	34	315	53	47	75	4	2	2	14	0	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NEWPORT (TIPPERARY)**

25/N/02

Tributary of : 25K02 KILLEENGARRIFF

OS Catchment No: 155

OS Grid Ref of Confluence: R 685 578

Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1981	1984	1987	1993	1996	1999	2002	2005	2008	2012
0060	-	-	-	-	-	5	5	5	5	4-5	4-5	4-5	4-5
0080	-	-	-	-	-	5	5	5	5	4-5	-	-	4-5
0100	-	-	5	5	5	5	5	3-4	4-5	4-5	4-5	4	4-5
0200	5	5	5	5	5	5	5	3	3-4	3-4*	4	4	4-5
0330	-	-	-	-	-	-	5	4	4-5	4	4-5	4	4-5

Assessment: The Newport (Tipperary) River was in a highly satisfactory ecological condition when surveyed in late July/early August 2012. Such conditions have not been evident in nearly twenty years. The abundance and diversity of sensitive macroinvertebrate species indicated high ecological conditions at all five stations surveyed although increased siltation and or compaction of the river bed substrata was noted in the upper reaches near Coolrantha (0080), upstream of the Doonane River confluence (0100), at Rockvale (0200) and downstream of Newport (0330).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br nr Glanculloo Old School	183723	168340	59	TY
0080	Br N of Coolruntha	180619	168674	59	TY
0100	Ford u/s Doonane R confl	177521	166812	59	TY
0200	Rockvale Br nr Mackney	173878	163344	59	TY
0330	Br S of Shower	170251	161848	58	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	195	24	100	0	15	25	24	0	8	0	28
0080	163	31	100	0	17	25	24	0	6	0	27
0100	128	45	100	0	27	23	20	0	4	0	25
0200	80	69	100	0	28	19	19	0	9	0	26
0330	36	95	99	1	36	14	14	0	8	0	27

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NEWTOWN**
 Tributary of : Lough Derg
 OS Grid Ref of Confluence: R 802 826
 Date(s) Surveyed: 17/7/2012

25/N/03
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1987	1993	1996	1999	2002	2005	2008	2012
0100	5	5	5	4-5	4-5	4-5	4-5	-	4
0200	5	5	5	3-4	4-5	4	4	4	4

Assessment: Good ecological conditions were noted at the two stations surveyed on the Newtown River in July 2012 however a decline from high ecological conditions was noted at Carrigmadden Bridge (0100) when compared to the previous survey in 2005. Some signs of nutrient enrichment were evident with enhanced plant and algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Carrigmadden Br	179801	178001	59	TY
0200	Newtown Br	180441	180696	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	109	13	100	0	48	9	2	0	22	0	19
0200	48	17	100	0	57	7	2	0	19	0	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OLLATRIM**
 Tributary of : 25N01 NENAGH
 OS Grid Ref of Confluence: R 873 804
 Date(s) Surveyed: 9/7/2012, 10/7/2012

25/O/01
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1984	1987	1993	1996	1999	2002	2005	2008	2012
0040	-	-	3-4	3-4	3	3	3*	3	3-4*	3-4
0080	-	-	4-5	3-4	3-4	3-4	3-4	3-4	-	3-4*
0100	5	4	4	4	-	-	-	-	-	-
0150	-	-	4-5	-	4	4	4	4	4-5	4-5
0200	5	3-4	3-4	4	-	-	-	-	-	-
0250	-	-	-	-	4	4	4	4	4	4-5
0300	4	3-4	4	4-5	-	-	-	-	-	-
0400	4	4	4	3-4	3-4	3-4	3-4	3-4	3-4	4
0450	-	-	4	-	-	-	-	-	-	-
0500	5	3-4	4	-	-	-	-	-	-	-
0600	-	-	4-5	3-4	3-4	3-4	3-4	3-4	3-4	3-4

Assessment: Of the six stations surveyed on the Ollatrim River in July 2012, three were in a satisfactory ecological condition while the other three stations were deemed unsatisfactory (0040, 0080, 0600). The macroinvertebrate fauna indicated moderate ecological conditions in the upper reaches near Ballybeg and Aghnameadle. Excessive siltation and abundant macrophyte or algal growth indicated enriched conditions. The dominance of sensitive macroinvertebrate fauna indicated high ecological conditions at station 0150 and downstream at station 0250. The macroinvertebrate fauna indicated a welcome improvement from moderate to good ecological conditions at Rathurles bridge (0400) however excessive siltation and some algal growth continues to indicate some enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br SE of Ballybeg	202307	176088	59	TY
0080	Aghnameadle Br	201694	177499	59	OF
0100	Ollatrim Br	200100	179500	0	TY
0150	Br d/s Ollatrim Br	198774	180921	59	TY
0200	Br SW of Millgrove Ho	0	0	0	TY
0250	Br nr Riverlawn House	194173	181903	59	TY
0300	Ford at Castle Willington	0	0	0	TY
0400	Rathurles Br	190617	179783	59	TY
0450	Br SW of Islandbaun Ho	0	0	0	TY
0500	Gourdeen Br	0	0	0	TY
0600	Br u/s Nenagh R confl	187633	180217	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	145	18	100	0	80	7	0	0	2	0	11
0080	133	35	100	0	75	12	1	0	2	0	11
0150	104	52	95	5	78	8	1	1	6	0	7
0250	84	68	82	18	77	6	2	0	9	0	5
0400	68	81	69	31	75	5	1	0	13	0	5
0600	49	120	56	44	74	3	1	1	17	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SCARRIFF STREAM** **25/S/08**
 Tributary of : 25G04 GRANEY (SHANNON) OS Catchment No: 155
 OS Grid Ref of Confluence: R 641 844
 Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1996	1999	2003	2005	2009	2012
0400	4	3-4	4	3	3	3-4	3-4

Assessment: The Scarriff Stream remains in an unsatisfactory moderate ecological condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	West Br Scarriff	164100	184608	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	36	8	59	41	66	0	2	2	1	0	31

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHANNON (Lower)**

25/S/01

Tributary of : Sea Shannon Estuary

OS Catchment No: 155

OS Grid Ref of Confluence: R 580 600

Date(s) Surveyed: 2/8/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1972	1984	1987	1990	1993	1996	1999	2002	2008	2011	2012
2060	-	-	-	-	-	-	-	-	3-4	4	-
2500	4-5	4	4	4	3-4	3-4	3-4	4	3-4	-	3-4
2600	-	4	4	4	3-4	3-4	3-4	3-4	-	-	-

Assessment: The macroinvertebrate fauna indicated good ecological conditions at Incherky Quay (2060) in August 2011 while the dominance of pollution tolerant macroinvertebrate species and excessive instream plant and filamentous algal growth indicated unsatisfactory ecological conditions at Castleconnell (2500) in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
2060	Incherky Quay (RHS)	195210	214290	53	OF
2500	Castleconnell: World's End	165836	163576	58	LK
2600	Athlunkard Br (d/s LHS)	158805	159031	65	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
2060	N/A	0	0	0	0	0	0	0	0	0	0
2500	22	4119	25	75	63	4	10	1	10	4	7
2600	1	4933	30	70	64	5	9	2	10	3	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SILVERMINES VILLAGE STREAM** 25/S/10
 Tributary of : 25K04 KILMASTULLA OS Catchment No: 155
 OS Grid Ref of Confluence: R 807 717
 Date(s) Surveyed: 16/7/2012

Kilmastulla 0040 to 0100 incl.

Station Nos.	Biological Quality Ratings (Q Values)											
	1974	1976	1978	1983	1985	1987	1993	1999	2002	2005	2008	2012
0050	-	-	-	-	-	-	-	4	4	4-5	-	4-5
0100	4	4	3-4	3-4	3-4	4	4	-	3	3	3-4	3-4

Assessment: The macroinvertebrate fauna indicated high ecological conditions at Silvermines Bridge (0050) in July 2012 however the paucity of sensitive macroinvertebrate fauna indicated unsatisfactory moderate ecological conditions downstream of Silvermines village at Kilmore Bridge (0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Silvermines Br	184254	171486	59	TY
0100	Kilmore Br	183983	172469	0	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	101	2	85	15	22	0	22	11	0	0	45

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SMALL (TIPPERARY)**
 Tributary of : 25N02 NEWPORT (TIPPERARY)
 OS Grid Ref of Confluence: R 726 623
 Date(s) Surveyed: 1/8/2012

25/S/05

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1983	1987	1993	1996	1999	2002	2005	2008	2012
0100	5	5	5	-	-	-	-	-	-	-
0200	5	5	5	4	4-5	4-5	3-4*	4-5	4	4

Assessment: Continuing satisfactory in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 1.9km u/s Newport	174289	162494	59	TY
0200	Br u/s Newport R confl	174195	162594	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	91	8	100	0	14	5	6	0	0	0	75
0200	88	9	100	0	16	5	6	0	0	0	73

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TOEM STREAM**

25/T/05

Tributary of : 25D01 DEAD

OS Catchment No: 155

OS Grid Ref of Confluence: R 840 455

Date(s) Surveyed: 8/8/2012, 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1993	1996	1999	2002	2005	2008	2012
0300	4	3-4	4	4	4	4	-	4*
0600	4-5	4	4	4	4	4	4*	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions at the two stations surveyed in August 2012 although the impacts of excessive instream siltation were evident in the upper reaches (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	South Br at Toem	186718	147503	66	TY
0600	Br u/s Dead R confl	184133	145644	66	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	93	3	100	0	41	4	3	0	51	0	0
0600	56	104	49	51	92	1	0	4	4	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **WOODFORD (GALWAY)**

25/W/01

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: R 786 968

Date(s) Surveyed: 1/9/2012, 31/8/2012

Station Nos.							Biological Quality Ratings (Q Values)				
	1975	1979	1984	1987	1993	1996	1999	2003	2006	2009	2012
0040	-	-	-	-	-	-	3*	4	4	3-4	3*
0050	-	-	4	4-5	4	5	-	-	-	-	-
0060	-	-	-	-	4	-	3-4*	-	-	-	-
0100	-	5	4-5	4	4	-	-	-	-	-	-
0200	-	5	4	4-5	4	3-4	4	4	4	4	3-4
0300	4-5	5	4-5	5	4-5	3-4	4	4-5	4-5	4-5	4

Assessment: The macroinvertebrate fauna indicated a general decline in ecological conditions at all three stations surveyed in 2012. The paucity of macroinvertebrate fauna and complete lack of any pollution sensitive species indicated poor ecological conditions in the upper reaches (0040). Heavy instream siltation was also noted. The macroinvertebrate fauna indicated an unwelcome decline from good to unsatisfactory moderate ecological conditions at Bolag Bridge and an unwelcome decline from high to good ecological conditions at Rossmore Bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br NW of Featherstone Lodg	168964	199154	52	GY
0050	Br N of Featherstone Lodge	169302	199263	52	GY
0060	Br N of Lough Alee	170669	199974	52	GY
0100	Woodford Br	0	0	0	GY
0200	Bolag Br	174192	199691	53	GY
0300	Rossmore Br	177206	198435	53	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	129	9	100	0	0	47	16	0	0	0	37
0050	125	9	100	0	0	48	15	0	0	0	36
0060	102	15	100	0	0	52	20	0	1	0	28
0200	49	31	100	0	8	32	23	1	9	0	27
0300	35	48	82	18	15	24	19	1	14	0	28

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **YELLOW (KILMASTULLA)**

25/Y/01

Tributary of : 25K04 KILMASTULLA

OS Catchment No: 155

OS Grid Ref of Confluence: R 800 200

Date(s) Surveyed: 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1974	1976	1978	1981	1983	1985	1987	2002	2005	2008	2012
0200	3/0	2/0	1/0	1/0	3	3-4	3/0	3/0	4-5	-	4
0300	1/0	1/0	1/0	1/0	3	3/0	3/0	3/0	4	3-4	3-4

Assessment: The Yellow (Kilmastulla) Stream was in a satisfactory ecological condition upstream of the Garryard Stream confluence (0200). The relative scarcity of macroinvertebrate fauna and paucity of pollution sensitive species indicated moderate ecological conditions downstream of the Garryard stream confluence (0300). Lead and zinc levels are known to be high at this location. Note: Station 0200 is reported by Kilkenny Regional laboratory as Kilmastulla Station 0500, Station 0300 (above) as Kilmastulla 0600 and the Garryard Stream (qv) is reported as Kilmastulla Station 0400.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	u/s Yellow Br & u/s Garryard Stream	180727	171781	59	TY
0300	d/s Yellow Br & d/s Garryard Stream	180680	171815	0	TY

River and Code : **YOUGHAL (TIPPERARY)**

25/Y/02

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: R 798 827

Date(s) Surveyed: 17/7/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1985	1987	1993	1996	1999	2002	2005	2008	2012
0050	-	4-5	3	4	3	3-4	3-4*	3-4	-	3-4
0100	-	5	4-5	-	-	-	-	-	-	-
0200	5	5	5	4	4	4-5	4-5	4	4	4-5

Assessment: The complete lack of pollution sensitive macroinvertebrate species, abundant instream algal growth and excessive siltation of the river bed substratum continues to indicate unsatisfactory moderate ecological conditions in the upper reaches of the Youghal River (0050) in August 2012. The increased diversity and abundance of pollution sensitive macroinvertebrate species indicated high ecological conditions at Youghal (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br N of Curragh	176193	180089	59	TY
0100	Ballycarridoge Br	0	0	59	TY
0200	Br at Youghal	179077	182068	59	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	111	7	100	0	59	13	15	6	1	0	5
0200	45	15	99	1	75	6	6	3	7	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SHIRBD: HYDROMETRIC AREA NO. 25

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Annagh (Tipp)	2012	25A02	7.3	19.3	0.0	0.0	0.0	26.5
Ardcloony	2012	25A03	6.0	0.0	0.0	0.0	0.0	6.0
Ardcrony Stream	2011	25A06	0.0	5.0	0.0	0.0	0.0	5.0
Ardgregane Stream	2012	25A04	0.0	0.0	7.0	0.0	0.0	7.0
Ayle	2012	25A07	5.5	0.0	0.0	0.0	0.0	5.5
Ballinlough Stream	2012	25B15	12.5	0.0	0.0	0.0	0.0	12.5
Ballintotty	2012	25B01	0.0	11.0	0.0	0.0	0.0	11.0
Ballyfinboy	2011	25B02	0.0	10.0	17.1	0.0	0.0	27.0
Ballynacarrig	2011	25B18	0.0	0.0	6.0	0.0	0.0	6.0
Ballynagrenia Stream	2011	25B16	0.0	2.6	2.4	1.5	0.0	6.5
Ballyquiveen Stream	2012	25B30	0.0	2.0	0.0	0.0	0.0	2.0
Bilboa	2012	25B03	14.7	14.8	0.0	0.0	0.0	29.5
Barnacullia Stream	2012	25B14	0.0	0.0	4.0	0.0	0.0	4.0
Black (Ballyboy)	2011	25B04	0.0	3.0	0.0	0.0	0.0	3.0
Blackwater (Clare)	2012	25B06	8.4	6.1	0.0	0.0	0.0	14.5
Blackwater (Shannonbridge)	2011	25B27	0.0	11.5	0.0	0.0	0.0	11.5
Bleach	2012	26B07	4.4	4.2	0.0	0.0	0.0	8.5
Boora	2011	25B08	0.0	2.5	4.0	0.0	0.0	6.5
Bow	2012	25B10	7.0	0.0	0.0	0.0	0.0	7.0
Breaghmore	2011	25B12	15.3	3.8	0.0	0.0	0.0	19.0
Brosna	2011	25B09	0.0	46.9	14.4	15.7	0.0	77.0
Bunow	2011	25B25	0.0	12.0	0.0	0.0	0.0	12.0
Cahernahallia	2012	25C01	0.0	12.5	0.0	0.0	0.0	12.5
Camcor	2011	25C02	7.5	14.5	0.0	0.0	0.0	22.0
County (Laois-Offaly)	2011	25C21	3.0	0.0	0.0	0.0	0.0	3.0
Cappagh (Galway)	2012	25C03	0.0	19.0	0.0	0.0	0.0	19.0
Cappawhite Stream	2012	25C10	0.0	3.4	1.6	0.0	0.0	5.0
Carrigahorrig Stream	2011	25C16	0.0	0.0	9.0	0.0	0.0	9.0
Cauteen	2012	25C04	0.0	0.0	6.0	0.0	0.0	6.0
Clareen Stream	2011	25C13	0.0	1.0	5.0	0.0	0.0	6.0
Clodiagh (Tullamore)	2011	25C06	11.8	24.2	0.0	0.0	0.0	36.0
Cloghaun	2012	25C07	12.5	0.5	0.0	0.0	0.0	13.0
Coos	2012	25C08	0.0	7.5	0.0	0.0	0.0	7.5
Corra	2012	25C09	1.6	1.0	1.3	4.2	0.0	8.0
Dead	2012	25D01	0.0	0.0	13.0	0.0	0.0	13.0
Derrainy	2012	25D10	0.0	0.0	5.0	0.0	0.0	5.0
Dolla	2012	25D08	7.0	0.0	0.0	0.0	0.0	7.0
Doon Stream	2012	25D03	0.0	0.0	3.5	0.0	0.0	3.5
Doonane	2012	25D04	6.5	0.0	0.0	0.0	0.0	6.5
Drumandoora	2012	25D06	4.3	2.7	0.0	0.0	0.0	7.0
Drumkeary Stream	2012	25D11	7.0	0.0	0.0	0.0	0.0	7.0
Duniry	2012	25D07	5.8	4.3	0.0	0.0	0.0	10.0
Durrow Abbey Stream	2011	25D12	0.0	0.0	3.5	0.0	0.0	3.5
Dysart stream (L.Ennell)	2011	25D05	0.0	9.0	0.5	0.0	0.0	9.5
Eyrecourt Stream	2012	25E01	0.0	0.0	0.0	4.0	0.0	4.0
Gageborough	2011	25G01	0.0	3.9	14.2	0.0	0.0	18.0

Hydrometric Area 25 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Glashacloonaraveela	2012	25G02	3.5	2.0	0.0	0.0	0.0	5.5
Glenfelly Stream	2011	25G21	0.0	7.0	0.0	0.0	0.0	7.0
Glenomra Wood Stream	2012	25G12	0.0	5.0	0.0	0.0	0.0	5.0
Golden Grove Stream	2011	25G06	0.0	0.0	4.0	0.0	0.0	4.0
Gorragh	2011	25G09	5.0	0.5	0.0	0.0	0.0	5.5
Gortnageragh	2012	25G03	0.0	6.0	0.0	0.0	0.0	6.0
Gortnagowna	2012	25G13	3.0	0.0	0.0	0.0	0.0	3.0
Graney (Shannon)	2012	25G04	17.1	3.2	1.4	2.8	0.0	24.5
Groody	2012	25G05	0.0	6.5	0.0	0.0	0.0	6.5
Inch (Bilboa)	2012	25I01	0.0	2.3	2.3	0.0	0.0	4.5
Keeloge Stream	2011	25K14	0.0	8.0	6.0	0.0	0.0	14.0
Kilcomin Stream	2011	25K15	0.0	0.0	9.0	4.0	0.0	13.0
Kilcrow	2012	25K01	0.0	6.0	28.0	0.0	0.0	34.0
Kilfadda Castle Stream	2011	25K07	0.0	0.0	3.0	0.0	0.0	3.0
Killeengarriff	2012	25K02	0.0	4.5	0.0	0.0	0.0	4.5
Kilmastulla	2012	25K04	0.0	7.1	13.5	0.0	0.0	20.5
Lisduff (Kilcrow)	2012	25L06	0.0	0.0	10.0	0.0	0.0	10.0
Lisduff (Shannon)	2012	25L07	0.0	0.0	0.0	1.8	0.0	1.8
Little (Cloghan)	2011	25L01	0.0	5.0	0.0	0.0	0.0	5.0
Little Brosna	2011	25L02	0.0	35.5	5.5	0.0	0.0	41.0
Lorrha Stream	2011	25L05	0.0	3.2	2.8	0.0	0.0	6.0
Moate Stream	2011	25M05	0.0	0.0	9.0	0.0	0.0	9.0
Monaghanstown	2011	25M01	0.0	0.0	7.0	0.0	0.0	7.0
Mountrice	2012	25M03	4.5	0.0	0.0	0.0	0.0	4.5
Mulkear (Limerick)	2012	25M04	6.3	15.3	0.0	0.0	0.0	21.5
Nenagh	2012	25N01	26.1	7.9	8.0	0.0	0.0	42.0
Newport (Tipperary)	2012	25N02	32.0	0.0	0.0	0.0	0.0	32.0
Newtown	2012	25N03	0.0	8.0	0.0	0.0	0.0	8.0
Ollatrim	2012	25O01	12.6	6.0	7.4	0.0	0.0	26.0
Pallas	2011	25P01	0.0	7.0	0.0	0.0	0.0	7.0
Pollagh Stream (Brosna)	2011	25P05	0.0	4.0	0.0	0.0	0.0	4.0
Rapemills	2011	25R01	0.0	1.0	0.0	0.0	0.0	1.0
Rock (Birr)	2011	25R02	0.0	8.0	0.0	0.0	0.0	8.0
Scarriff Stream	2012	25S08	0.0	0.0	3.0	0.0	0.0	3.0
Shinrone Stream	2011	25S11	0.0	0.0	0.0	1.0	0.0	1.0
Shannon (Lower)	2011	25S01	0.0	34.7	26.3	0.0	0.0	61.0
Silver (Kilcormac)	2011	25S02	11.8	19.6	0.7	0.0	0.0	32.0
Silver (Tullamore)	2011	25S03	0.0	16.0	1.0	0.0	0.0	17.0
Silvermines Village Stream	2012	25S10	1.0	0.0	1.5	0.0	0.0	2.5
Small (Tipperary)	2012	25S05	0.0	5.0	0.0	0.0	0.0	5.0
Syonan Castle Stream	2011	25S04	0.0	0.0	7.0	0.0	0.0	7.0
Toem Stream	2012	25T05	0.0	6.0	0.0	0.0	0.0	6.0
Tullamore	2011	25T03	0.0	0.0	13.0	6.0	0.0	19.0
Woodford (Galway)	2012	25W01	0.0	4.8	5.3	3.4	0.0	13.5
Yellow (Kilmastulla)	2012	25Y01	0.0	0.2	0.8	0.0	0.0	1.0
Youghal (Tipperary)	2012	25Y02	3.0	1.5	1.5	0.0	0.0	6.0

Hydrometric Area 25 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Total Length (km) surveyed this cycle			273.7	504.5	294.2	44.4	0.0	1116.8	
Adjustments (km) (See below)*			3.0	11.0	3.5	1.8	0.0	19.3	
Current Length (km) Adjusted	2011/12		270.7	493.5	290.7	42.6	0.0	1097.5	
<i>Percentages</i>			24.7	45.0	26.5	3.9	0.0	100.0	
Channel Length (km) in Class			A	B	C	D	Total		
Baseline : Current Adjusted Status (km)			2010-'12	764.2	290.7	42.6	0.0	1097.5	
<i>Percentages</i>				69.6	26.5	3.9	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	222.1	368.9	434.0	70.0	2.5	1097.5
<i>Percentages</i>				20.2	33.6	39.5	6.4	0.2	100.0
Changes since Previous Survey (km)				48.6	124.6	-143.3	-27.4	-2.5	0.0

* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Black (Ballyboy) 25B04, County (25C21), Durrow Abbey Stream (25D12), Lisduff (Shannon) (25L07) and Rock (Birr) (25R02) were added into the survey in 2011-2012.

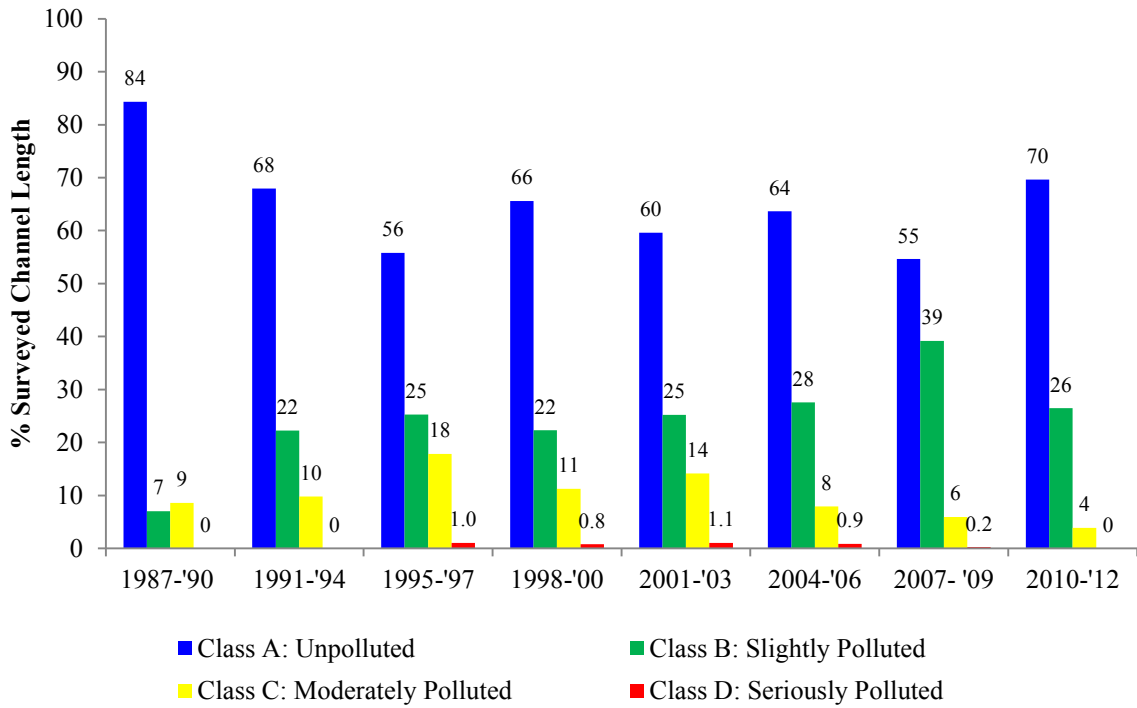
**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

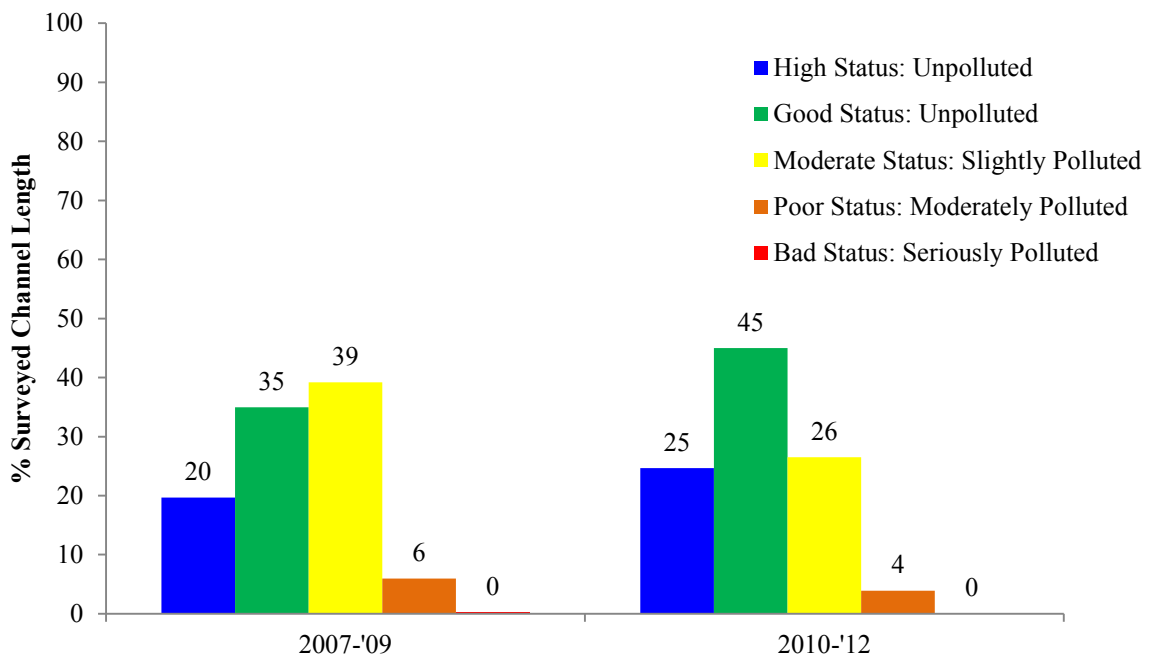
The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	31	52
Good	60	101
Moderate	80	70
Poor	19	16
Bad	1	0
Total number of sites surveyed	191	239
Total number of sites at unsatisfactory status	100	86

Hydrometric Area 25 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 25 : Trends
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 28 (Mal Bay)	
AILLE (CLARE)	28A01
ANNAGEERAGH	28A02
ANNAGH (CLARE)	28A03
AUGHAGLANNA	28A06
AUGHAVEEMA	28A04
BALLINPHONTA	28B03
BALLYMACRAVAN	28B02
CAHER (CLARE)	28C01
CASTLEPARK STREAM *	28C09
CLOONEENAGH STREAM *	28C08
COOLEEN	28C05
CREEGH	28C02
DEALAGH	28D01
DOONBEG	28D02
FREAGH	28F01
GLENDINE (CLARE)	28G02
INAGH (ENNISTYMON)	28I01
KILDEEMA	28K01
KILMIHIL STREAM	28K02
SRUHAUNAKIT STREAM *	28S04

- * CASTLEPARK STREAM Previously reported as part of the Creegh 28C02
- * CLOONEENAGH STREAM Previously reported as part of the Creegh 28C02
- * SRUHAUNAKIT STREAM Previously reported as part of the Annageeragh 28A02

River and Code : **AILLE (CLARE)**
 Tributary of : 28A02 ANNAGEERAGH
 OS Grid Ref of Confluence: R 065 964
 Date(s) Surveyed: 4/9/2012

28/A/01
 OS Catchment No: 148

Station Nos.							Biological Quality Ratings (Q Values)				
	1980	1984	1986	1988	1991	1997	2000	2003	2006	2009	2012
0100	-	-	-	4	5	5	4	4-5	4	-	-
0190	-	-	-	3	3-4	-	-	-	-	-	-
0200	3-4	2	3	3	2-3	2-3	2-3	4	4	4	4
0300	3-4	3	3-4	3	3-4	-	2-3	4	4	3-4	3
0400	4	3-4	4	4	4	3-4	3	3-4	4	3-4	4

Assessment: The upper site surveyed (0200 Spectacle Bridge) remained at good ecological condition but a drop in quality was noted downstream of the Lisdoonvarna wastewater treatment plant (0300) in comparison with 2009. A slight improvement was noted, however, in Doolin (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballyteigue Br	115189	198079	51	CE
0190	U/s Spectacle Bridge	0	0	0	CE
0200	Spectacle Bridge	112249	197834	51	CE
0300	Drehidnalacken Bridge	111036	197120	51	CE
0400	Bridge in Roadford	107993	197284	51	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	234	0	0	100	0	28	66	0	0	0	6
0200	74	36	0	100	39	8	7	1	7	0	38
0300	64	39	0	100	39	8	8	1	6	0	37
0400	22	53	0	100	45	6	7	1	10	0	32

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ANNAGEERAGH**
 Tributary of : 28A02 ANNAGEERAGH
 OS Grid Ref of Confluence: R 005 710
 Date(s) Surveyed: 11/12/2012

28/A/02
 OS Catchment No: 152

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1983	1988	1991	1997	2000	2003	2006	2009	2012
0010	-	-	-	4-5	3-4	3-4	4	3-4	3-4	3-4
0050	-	-	4-5	4	4	3-4	3	4	-	-
0100	5	5	5	4-5	-	-	-	-	4-5	4
0200	5	5	5	4-5	4-5	4-5	4	4	-	-
0300	4	4	4-5	4-5	-	-	-	3-4	4	4
0400	-	-	4	4-5	4	4	4	-	-	-

Assessment: The upper Annageeragh site (0010) which is upstream of Doo Lough is impacted, apparently by forestry, and it still lacks certain acid-sensitive mayflies. Downstream of Doo Lough and downstream of the Water Treatment Plant, the first station monitored (0100) showed a decline in quality from Q4-5 to Q4 compared with September 2009 when it was last surveyed biologically. Musty organic mats were noted. Salmonids were noted at this point possibly spawning. No change in quality was noted at Annageeragh Bridge (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br u/s Doo Lough	114679	171884	57	CE
0050	Bridge u/s Moyglass Bridge	109577	172657	57	CE
0100	Moyglass Bridge	108007	172392	57	CE
0200	Knocknahila Bridge	105697	171148	57	CE
0300	Annageeragh Br	103135	170908	57	CE
0400	Lissyneillan Bridge	102705	171042	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	103	5	0	100	4	19	13	0	0	0	63
0050	65	28	0	100	23	6	18	0	7	6	40
0100	54	33	0	100	27	5	16	0	12	5	35
0200	40	45	0	100	29	5	18	0	10	4	34
0300	14	52	0	100	34	4	15	0	14	3	30
0400	9	60	0	100	38	5	14	0	14	3	27

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ANNAGH (CLARE)**

28/A/03

Tributary of :

OS Catchment No: 150

OS Grid Ref of Confluence: R 036 773

Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0200	4	4	4	4-5	4	3	3/0	3/0
0400	4	4-5	4	4	4	4	-	-
0700	4-5	4-5	-	-	-	-	-	-
0800	5	5	-	-	-	-	-	-
0900	4-5	4-5	4-5	4	4	4	4	4

Assessment: A continuing problem was noted in the upper Annagh (0200) with toxicity effects being a possibility. The upper catchment is afforested. The lower site surveyed (0900) was in satisfactory condition in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Drehidenagh	111298	176005	57	CE
0400	Aghy Br	107529	175232	57	CE
0700	Carrowduff Bridge	0	0	0	CE
0800	Stackpoole's Bridge	0	0	0	CE
0900	Bealaclogga Br	103725	177123	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	119	4	0	100	15	15	37	0	0	0	33
0400	59	13	0	100	48	4	26	0	8	0	14
0900	3	45	0	100	52	1	14	0	24	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AUGHAGLANNA**

28/A/06

Tributary of : 28I01 INAGH (ENNISTYMON)

OS Catchment No: 149

OS Grid Ref of Confluence: R 218 775

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	3	-	-
0500	4-5	4	-	-	-	-	-	-
0700	4-5	4	5	4	4-5	4-5	4-5	4-5

Assessment: No change noted in comparison with 2009. Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge N.W. of Reanaglisha	118908	174801	57	CE
0500	Aughaglanna Bridge	0	0	0	CE
0700	Bridge u/s Inagh river confl	121286	177346	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	117	4	0	100	24	26	9	0	13	0	28
0700	59	11	0	100	31	13	7	0	28	0	21

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AUGHAVEEMA**

28/A/04

Tributary of :

OS Catchment No: 151

OS Grid Ref of Confluence: Q 998 724

Date(s) Surveyed: 11/12/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0300	4	4-5	4	4	4	4	-	-
0500	3	3-4	-	-	-	-	-	-
0600	4	3	4	3	3-4	3-4	4	4

Assessment: The improvement in quality noted in the Aughaveema River at Station 0600 in 2009 was maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Drehidnacarriga	105257	173195	57	CE
0500	Kilmurry Bridge	0	0	0	CE
0600	Ballynabean Bridge	101359	173612	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	41	7	0	100	67	0	3	0	30	0	0
0600	12	14	0	100	73	0	2	0	25	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINPHONTA**

28/B/03

Tributary of :

OS Catchment No: g4

OS Grid Ref of Confluence: R 037 397

Date(s) Surveyed: 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0300	4	3	4	4	4	4	-	-
0500	4-5	3-4	3-4	4	4	3-4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge S.W. of Ballinphonta	105904	180269	57	CE
0500	Cleedagh Bridge	103865	179758	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	47	7	0	100	47	0	4	0	37	0	13
0500	7	12	0	100	62	0	2	0	28	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYMACRAVAN**
 Tributary of : 28I01 INAGH (ENNISTYMON)
 OS Grid Ref of Confluence: R 123 887
 Date(s) Surveyed: 5/9/2012

28/B/02

OS Catchment No: 149

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0100	3-4	3-4	3-4	-	-	-	-	3-4
0110	-	3-4	-	-	-	-	-	-
0300	-	-	4	-	-	-	-	-
0400	-	3	-	4	3/0	4	4	4
0500	4	-	-	-	-	-	-	-
0600	4-5	2-3	-	-	-	-	-	-

Assessment: The upper Ballymacravan was flowing when surveyed in September 2012. Frequently this river runs dry due in part at least to the abstraction of water from Lickeen Lough which is its source. Quality was slightly impaired at this location (0100) while the lower section (downstream of the water works) maintained the improvement noted in 2006.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br just d/s Lickeen Lough	116279	190900	51	CE
0110	d/s Fish farm d/s Lickeen Lough	116005	190965	0	CE
0300	Ballymacravan Br	113919	190260	51	CE
0400	Calluragh Br	113636	189929	57	CE
0500	Bridge d/s Calluragh Bridge	113605	189790	0	CE
0600	Knockbrock Bridge	112823	189200	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	70	9	0	100	36	0	11	0	17	10	26
0300	54	13	0	100	47	0	11	0	15	7	21
0400	43	14	0	100	48	0	11	0	14	6	20
0600	21	15	0	100	50	0	12	0	15	6	18

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAHER (CLARE)**

28/C/01

Tributary of :

OS Catchment No: 147

OS Grid Ref of Confluence: M 137 083

Date(s) Surveyed: 4/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0100	5	5	-	-	-	-	-	4-5
0200	5	5	5	5	4-5	4-5	4-5	4-5
0300	5	5	-	-	-	-	-	-

Assessment: This is a high status river of particular importance and scientific interest located in the Burren area. Water quality remained very good but the algal communities which were fairly abundant give an indication of the nutrient pressure on the system in this karst area. Surface-groundwater flows of water allow easy transport of nutrients from sources such as septic tanks or agricultural application of animal slurries or fertiliser.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S Formoyle East	117331	206789	51	CE
0200	Carha Br	116316	208235	51	CE
0300	Fanore Br	114453	208917	51	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	118	11	0	100	10	3	7	0	0	0	79
0200	92	15	0	100	12	2	5	0	2	0	78
0300	21	19	0	100	11	2	4	0	2	0	81

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CASTLEPARK STREAM**

28/C/09

Tributary of : 28C02 CREEGH

OS Catchment No: 153

OS Grid Ref of Confluence: R 091 667

Date(s) Surveyed: 11/12/2012

Previously reported as part of the Creegh 28C02

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0400	4	4-5	4-5	4-5	4	4-5	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br NW Castlepark	109732	167376	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	63	9	0	100	27	3	32	0	8	0	29

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONEENAGH STREAM** **28/C/08**
 Tributary of : 28C02 CREEGH OS Catchment No: 153
 OS Grid Ref of Confluence: R 048 668
 Date(s) Surveyed: 10/12/2012

Previously reported as part of the Creegh 28C02

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	2000	2003	2006	2009	2012
1100	4	4	4-5	4-5	4-5	4-5	4

Assessment: A disappointing very definite drop in quality was noted in the Clooneenagh Stream when sampled late in 2012. Investigation of the cause of this decline is required.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1100	Creegh North Br	105305	167360	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1100	39	6	0	100	47	13	13	0	0	0	27

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **COOLEEN**
 Tributary of :
 OS Grid Ref of Confluence: R 129 924
 Date(s) Surveyed: 5/9/2012

28/C/05
 OS Catchment No: 149

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0300	4-5	5	-	3-4	4-5	n/s	-	-
0400	-	-	4	-	-	-	-	-
0500	4	4	-	4	4	4	4*	4

Assessment: Satisfactory conditions continued in the Cooleen.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Tooreen Br	113028	194556	51	CE
0400	Cooleen Br	113038	193323	51	CE
0500	400 m u/s Carrowkeel River	112779	192671	51	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	61	9	0	100	31	3	25	1	1	0	38
0400	29	13	0	100	37	4	24	1	2	0	31
0500	23	14	0	100	41	4	23	1	2	0	29

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CREEGH**

28/C/02

Tributary of :

OS Catchment No: 153

OS Grid Ref of Confluence: Q 984 672

Date(s) Surveyed: 10/12/2012, 14/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1985	1988	1991	1997	2000	2003	2006	2009	2012
0100	-	4	4	3-4	4	4	4	4	4	4
0200	4-5	4	-	-	-	-	-	-	-	-
1300	-	-	3	4-5	4	4	4	-	-	-
1400	-	-	4	4	4	4	3-4	4	4	4
1600	-	-	4-5	4	-	-	-	-	-	-
1700	-	-	4-5	4	4	4	4	4	4	4

Assessment: All sites surveyed on the Creegh were satisfactory in 2012 - no change in comparison with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Sorrel Island Bridge (South)	116741	167614	57	CE
0200	Bridge E. of Greystone	114972	165912	57	CE
1300	Br S Clooneenagh Cross Roads	107192	166800	57	CE
1400	Creegh Br	103383	166892	57	CE
1600	Coomacreehaun Br	100260	166050	0	CE
1700	Mountrivers Br	99110	166021	63	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	113	13	0	100	4	25	21	0	1	2	47
0200	72	20	0	100	12	20	23	0	5	1	39
1300	34	54	0	100	33	8	22	0	13	0	24
1400	22	71	0	100	43	7	18	0	10	0	22
1700	4	83	0	100	47	6	16	0	11	0	20

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEALAGH**
 Tributary of :
 OS Grid Ref of Confluence: R 092 895
 Date(s) Surveyed: 5/9/2012

28/D/01
 OS Catchment No: 149

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1986	1988	1991	1997	2000	2003	2006	2009	2012
0040	-	-	3-4	4	4	3	4	4	4	3
0100	5	4	3-4	4-5	-	-	-	-	-	-
0200	4	4-5	4	4-5	4	4	3-4	4	-	n/s
0300	5	4-5	4	4-5	-	-	-	-	-	-
0350	-	-	-	-	4	3-4	4	4	4	4
0400	5	4	4	4-5	-	-	-	-	-	-

Assessment: A significant drop in quality was noted at the upper Dealagh site (0040). The lower survey site (0350) showed no change on the previous recent surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Ballygoonaun Bridge	117053	195707	51	CE
0100	Bridge S.W. of Lisdoony	115600	194800	0	CE
0200	Bridge near Smithstown House	114790	194135	51	CE
0300	Carrowduff Bridge	112800	192200	0	CE
0350	Aughvackeen Br	112033	191942	51	CE
0400	Derry Bridge	111300	191200	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	97	3	0	100	38	37	24	0	0	0	0
0200	47	7	0	100	39	24	12	0	0	0	24
0350	14	47	0	100	55	6	13	0	6	0	20

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOONBEG**
 Tributary of :
 OS Grid Ref of Confluence: Q 966 660
 Date(s) Surveyed: 14/9/2012

28/D/02
 OS Catchment No: 154

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1985	1988	1991	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	-	3-4	-	-	-	-	-	-
0200	-	-	4-5	4	-	-	-	-	-	-	-	-
0300	-	-	-	-	4	4	4	4	4	n/s	-	-
0330	-	-	-	-	3-4	5	-	-	-	-	4	4
0400	-	-	4-5	3-4	4	4-5	-	4-5	4	4-5	-	-
0500	-	-	-	-	4	4	4	-	-	-	4	4
0550	-	-	-	-	-	-	-	4	4	-	-	-
0600	5	5	4-5	3-4	3-4	4	-	-	-	-	-	-
0650	-	-	-	-	4	4	4	4	4	4	4	4
0700	4	4-5	4-5	3-4	4	4	-	-	-	-	-	-
0725	-	-	-	-	4	4	4	4-5	4-5	-	4	4
0750	-	-	-	-	4	-	-	-	-	-	-	-
0770	-	-	-	-	-	-	4	4-5	3-4	4	4	4
0890	-	-	-	-	3-4	3	-	-	-	-	-	-

Assessment: The Doonbeg was in good condition over its length in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br u/s Main Channel	0	0	0	CE
0200	Bridge E. of Greygrove	114988	165882	0	CE
0300	Ballydunneen Bridge	115282	162952	57	CE
0330	Bridge d/s Ballydunneen Br	115543	164729	0	CE
0400	Goulbourne Bridge	111966	161962	57	CE
0500	Derrycrossaun Bridge	109079	161695	57	CE
0550	Br u/s Clooncullin Br	107984	160779	57	CE
0600	Clooncullin Bridge	106255	161755	57	CE
0650	Bridge in Cooraclare	103997	162057	57	CE
0700	Bridge at Aughagarna	102101	162114	57	CE
0725	Bridge N.E. of Lochnavar Ho	99724	163033	63	CE
0750	Bridge near Mountrivers	0	0	0	CE
0770	Br 1km d/s Br nr Mountrivers	97834	164371	63	CE
0890	100 m u/s Bridge in Doonbeg	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	52	18	0	100	38	1	31	0	6	0	24
0400	40	30	0	100	40	1	29	0	9	1	20
0500	29	32	0	100	41	1	27	0	12	1	18
0550	26	35	0	100	39	1	26	0	15	1	18
0600	20	47	0	100	45	1	23	1	16	1	14
0650	15	70	0	100	56	1	16	1	14	0	12
0700	11	75	0	100	56	0	15	2	15	0	11
0725	5	90	0	100	58	0	14	1	14	0	12
0770	2	103	0	100	54	0	20	1	13	0	11

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FREAGH**
 Tributary of :
 OS Grid Ref of Confluence: R 035 814
 Date(s) Surveyed: 6/9/2012

28/F/01
 OS Catchment No: g4

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2012
0200	3	3	4	3	-	-	-
0300	3	3	-	-	3	3	3

Assessment: No improvement noted in this small coastal stream in comparison with previous surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	2nd Br u/s Castlebar Br	105026	181918	57	CE
0300	Castle Bridge	103440	181465	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	25	2	0	100	66	0	0	0	34	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENDINE (CLARE)**

28/G/02

Tributary of : 28A03 ANNAGH (CLARE)

OS Catchment No: 150

OS Grid Ref of Confluence: R 047 371

Date(s) Surveyed: 11/12/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1988	1991	1997	2000	2003	2006	2009	2012
0040	-	-	4	4	-	-	-	-	-	-
0080	-	-	4	4	3	4	4	4	-	-
0100	5	5	4-5	4-5	-	-	-	-	-	-
0200	5	5	4-5	4-5	4	5	4-5	4	4	4
0300	-	-	4-5	-	-	-	-	-	-	-

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s confl with S. Branch	0	0	0	CE
0080	Second Bridge u/s Honan's Br	108976	178790	57	CE
0100	Honan's Bridge	116272	190788	0	CE
0200	Knockloskeraun Bridge	105187	177404	57	CE
0300	Bridge u/s Annagh River	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	79	5	0	100	44	0	24	0	28	0	3
0200	25	12	0	100	59	0	12	0	28	0	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **INAGH (ENNISTYMON)**

28/I/01

Tributary of :

OS Catchment No: 149

OS Grid Ref of Confluence: R 085 888

Date(s) Surveyed: 5/9/2012, 6/9/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1985	1988	1991	1997	2000	2003	2006	2009	2012
0100	-	-	5	5	4-5	4-5	5	4-5	4	4	4	4
0150	-	-	-	-	-	4-5	-	-	-	-	-	-
0200	-	5	5	5	4-5	4	4	4	4	4-5	4	4
0210	-	-	-	-	-	-	-	-	-	-	4	4
0250	-	-	-	-	3-4	4	-	-	-	-	-	-
0300	5	4-5	4-5	4-5	4	4	4	4	4	4-5	-	4
0400	5	4-5	4-5	4-5	4-5	4-5	-	-	-	-	-	-
0450	-	-	-	-	-	-	4	3	4	4	4	4
0510	3-4	1-2	-	-	3	3	-	-	-	-	-	-
0520	-	-	-	-	3-4	-	-	-	-	-	-	-

Assessment: All stations surveyed in September 2012 were in good ecological condition - no significant change compared with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Friars Bridge	120228	177939	57	CE
0150	Br d/s Aughaglanna confl	0	0	0	CE
0200	Bridge at Inagh	120854	181269	57	CE
0210	Weir 0.8km d/s Inagh Br	120450	181773	0	CE
0250	Renalicka Bridge	0	0	0	CE
0300	Moananagh Bridge	117037	184914	57	CE
0400	At Old Mill- u/s Ennistymon	113196	188194	57	CE
0450	0.2 km u/s Ennistymon Br	113070	188313	57	CE
0510	D/s Ennistymon Falls (RHS)	0	0	0	CE
0520	D/s Ennistymon Falls (LHS)	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	68	21	0	100	10	23	32	0	13	0	22
0200	46	65	0	100	36	11	13	0	21	0	18
0300	30	141	0	100	31	7	18	0	25	1	18
0400	20	169	0	100	37	6	16	0	24	0	17
0450	14	170	0	100	37	6	16	0	24	0	17

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILDEEMA**
 Tributary of : 28A03 ANNAGH (CLARE)
 OS Grid Ref of Confluence: R 050 762
 Date(s) Surveyed: 11/12/2012

28/K/01

OS Catchment No: 150

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1997	2000	2003	2006	2009	2012
0500	4-5	4-5	4	4	4	3-4	-	-
0600	5	5	-	-	-	-	-	-
0800	4-5	4-5	4	4	4-5	4	4	4

Assessment: Satisfactory up stream of the confluence with the Annagh River (qv).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Doonsallagh Bridge	109363	176752	57	CE
0600	Bridge d/s Doonsallagh Br	0	0	0	CE
0800	Bridge u/s Annagh River	105048	176101	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	89	6	0	100	15	0	20	0	38	0	26
0800	25	14	0	100	40	0	10	0	35	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILMIHIL STREAM** **28/K/02**
 Tributary of : 28D02 DOONBEG OS Catchment No: 154
 OS Grid Ref of Confluence: R 061 621
 Date(s) Surveyed: 14/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1980	1982	1985	1988	1991	2007	2012
0200	4	3-4	4	3	4	2-3	2-3

Assessment: Poor conditions downstream of Kilmihil village. This small stream is impacted by the wastewater treatment plant.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Second Br u/s Doonbeg River	110035	162510	57	CE

River and Code : **SRUHAUNAKIT STREAM** **28/S/04**
 Tributary of : 28A02 ANNAGEERAGH OS Catchment No: 152
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 11/12/2012

Previously reported as part of the Annageeragh 28A02

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	2000	2003	2009	2012
0500	5	-	3	-	-	-
0600	5	4	-	4	4	4

Assessment: No change observed compared with the previous two surveys - good condition maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Sruhaunakit Bridge	109735	173240	57	CE
0600	Br d/s Sruhaunakit Br	109360	172865	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	67	3	0	100	41	0	18	0	41	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

SHIRBD: HYDROMETRIC AREA NO. 28

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aille (Clare)	2012	28A01	0.0	8.2	1.9	1.0	0.0	11.0
Annageeragh	2012	28A02	0.0	13.1	2.5	0.0	0.0	15.5
Annagh (Clare)	2012	28A03	0.0	7.1	2.5	1.4	0.0	11.0
Aughaglanna	2012	28A06	1.6	1.3	1.7	0.9	0.0	5.5
Aughaveema	2012	28A04	0.0	11.0	0.0	0.0	0.0	11.0
Ballinphonta	2012	28B03	0.0	4.0	0.0	0.0	0.0	4.0
Ballymacravan	2012	28B02	0.0	2.9	2.2	0.0	0.0	5.0
Caher (Clare)	2012	28C01	4.5	0.0	0.0	0.0	0.0	4.5
Castlepark Stream	2012	28C09	0.0	3.0	0.0	0.0	0.0	3.0
Cloonenagh Stream	2012	28C08	0.0	3.0	0.0	0.0	0.0	3.0
Cooleen	2012	28C05	0.0	4.0	0.0	0.0	0.0	4.0
Creegh	2012	28C02	0.0	14.0	0.0	0.0	0.0	14.0
Dealagh	2012	28D01	0.0	8.1	1.6	1.3	0.0	11.0
Doonbeg	2012	28D02	0.0	35.0	0.0	0.0	0.0	35.0
Freagh 3km	2012	28F01	0.0	0.0	0.0	3.0	0.0	3.0
Glendine (Clare)	2012	28G02	0.0	5.5	0.0	0.0	0.0	5.5
Inagh (Ennistymon)	2012	28I01	0.0	24.0	0.0	0.0	0.0	24.0
Kildeema	2012	28K01	0.0	5.0	2.5	0.0	0.0	7.5
Kilmihil Stream	2012	28K02	0.0	0.0	0.0	8.5	0.0	8.5
Sruhaunakit Stream	2012	28S04	0.0	1.0	0.0	0.0	0.0	1.0
Total Length (km) surveyed this cycle			6.1	150.1	14.8	16.0	0.0	187.0
Adjustments (km) (See below)*			0.0	0.0	0.0	3.0	0.0	3.0
Current Length (km) Adjusted			6.1	150.1	14.8	13.0	0.0	184.0
Percentages			3.3	81.6	8.0	7.1	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Adjusted Status (km)			2010-'12	156.2	14.8	13.0	0.0	184.0
Percentages				84.9	8.0	7.1	0.0	100.0
Baseline: Previous Unadjusted Status (km)**			2007-'09	14.8	144.1	14.3	10.8	184.0
Percentages				8.0	78.3	7.8	5.9	100.0
Changes since Previous Survey (km)				-8.7	6.0	0.4	2.3	0.0

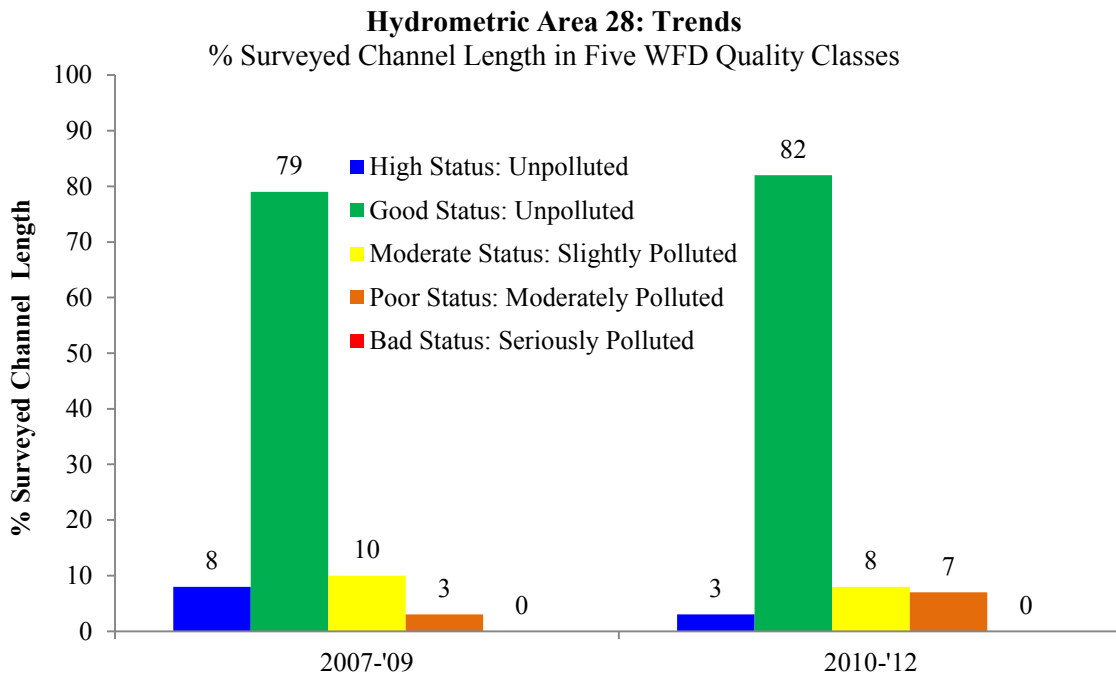
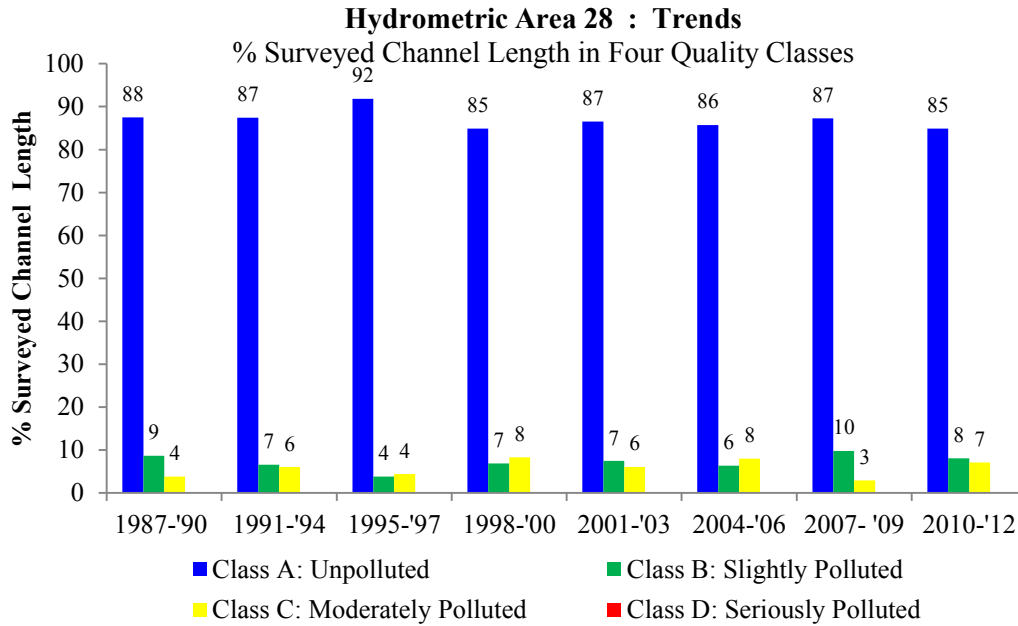
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Freagh (28F01) was added into the survey in 2011-2012.

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	4	3
Good	25	28
Moderate	4	2
Poor	2	5
Bad	0	0
Total number of sites surveyed	35	38
Total number of sites at unsatisfactory status	6	7



HYDROMETRIC AREA 29 (Galway Bay South East)	
BALLYMABILLA	29B03
BEAGH	29B02
BOLEYNEENDORRISH	29B04
CANNAHOWNA	29C01
CARRA STREAM	29C03
CLARINBRIDGE	29C02
KILCOLGAN	29K01
KNOCKNAREBANA	29K04
LECARROW STREAM *	29L01
OWENDALULLEEGH	29O01
RAFORD	29R01
TOBERDONEY	29T01

* LECARROW STREAM Previously reported as part of the Carra (29C03)

River and Code : **BALLYMABILLA**

29/B/03

Tributary of : 29R01 RAFORD

OS Catchment No: 145

OS Grid Ref of Confluence: M 649 274

Date(s) Surveyed: 21/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0200	4	-	-	4	4	-	-	-
0300	2-3	3	4	3-4	3-4	4	4	4

Assessment: Good ecological condition again recorded in this Raford River (qv) tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br WNW Treanbaun	168261	226212	46	GY
0300	Bellafa Bridge	165867	226922	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	90	10	0	100	56	0	15	0	7	0	22
0300	75	16	0	100	55	0	9	0	15	0	21

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BEAGH** **29/B/02**
 Tributary of : Goes underground - Cannahowna OS Catchment No: 146
 OS Grid Ref of Confluence: M 455 001
 Date(s) Surveyed: 20/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4	4	4	4	4-5	4

Assessment: A slight drop in quality was noted in the Beagh River compared with 2009. Good ecological condition was recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	S Cloghnakeava	146728	200612	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	37	129	78	22	18	23	29	0	7	3	21

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BOLEYNEENDORRISH**

29/B/04

Tributary of : (Goes underground)

OS Catchment No: 146

OS Grid Ref of Confluence: M 479 047

Date(s) Surveyed: 20/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	5	-	5	4-5	5	5	-	5
0200	5	5	-	-	-	-	-	-
0300	-	-	5	5	5	4-5	-	5
0400	5	4-5	-	4-5	4-5	-	-	-
0500	4-5	-	-	-	-	-	-	-
0600	3	4	-	-	-	-	-	-
0800	5	4	4	4	4-5	4-5	4	4

Assessment: Very good ecological conditions were noted in the upper Boleyneeddorrish River in 2012. The lower site retained its good ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW Knockapollboy	155541	206823	52	GY
0200	Bridge N. of Hollymount	152615	206010	52	GY
0300	Kenny's Br	151415	205622	52	GY
0400	Br NE Islandmore	149675	205655	52	GY
0500	Bridge N. of Cloon Bridge	148180	204710	52	GY
0600	Cloon Bridge (on tributary)	147995	204410	52	GY
0800	Ford N. of Streamstown	148173	206044	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	129	21	98	2	0	54	32	0	0	0	14
0300	49	33	95	5	6	44	33	0	0	0	17
0400	35	48	80	20	24	35	27	0	0	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CANNAHOWNA**

29/C/01

Tributary of : (Goes underground)

OS Catchment No: 146

OS Grid Ref of Confluence: M 452 018

Date(s) Surveyed: 21/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1989	1994	1997	2000	2003	2006	2009	2012
0100	5	4	4	4	-	4	4	4	4	-
0200	3-4	4	3	3-4	4-5	4	4	3	4	4

Assessment: The Cannahowna is sampled downstream of Gort just before it goes underground. Good ecological conditions were maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge in Gort	145255	201943	52	GY
0200	At Ballynamanlan (footbridge)	145690	203775	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	22	135	75	25	20	22	28	0	7	3	20
0200	12	0	0	100	100	0	0	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARRA STREAM**

29/C/03

Tributary of : 29T01 TOBERDONEY

OS Catchment No: 145

OS Grid Ref of Confluence: M 553 214

Date(s) Surveyed: 2/10/2012, 21/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0900	-	-	3-4	3	3	3	3-4	3-4
1000	3-4	4	-	3	3-4	-	3-4	4
1400	-	-	-	-	4	4	-	-
1500	4	-	-	-	-	-	-	-
1700	4	4	-	4	4	-	4	4
2000	4-5	3-4	-	4	4	4	4	4

Assessment: The upper station (0900) remained at moderate condition for macroinvertebrates but an improvement was noted at Carra Bridge. The lower section at Dunsandle and Ballynahivnia was satisfactory in 2012 with no change compared with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0900	Br at Nogginstown	170392	222014	46	GY
1000	Carra Bridge	166152	223188	46	GY
1400	Turoe Br	162704	222329	46	GY
1500	Tonnawansa Bridge	161385	221770	46	GY
1700	Br ESE Dunsandle	158590	221376	46	GY
2000	Br at Ballynahivnia	155512	221132	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0900	92	6	0	100	73	3	0	0	10	0	14
1000	81	15	0	100	75	1	5	0	9	0	10
1700	45	67	0	100	78	2	2	0	8	0	10
2000	33	70	0	100	77	2	2	0	7	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLARINBRIDGE**
 Tributary of : Sea - Galway Bay
 OS Grid Ref of Confluence: M 413 200
 Date(s) Surveyed: 13/9/2012

29/C/02
 OS Catchment No: 144

Station Nos.	Biological Quality Ratings (Q Values)												
	1980	1982	1984	1986	1989	1994	1997	2000	2003	2006	2008	2009	2012
0030	-	-	-	-	3-4	-	4-5	-	-	-	-	-	-
0035	-	-	-	-	-	4	-	-	-	-	-	-	-
0040	-	-	-	-	3	4	4	4	4	4	-	4	4
0050	4	4-5	4	4-5	4	-	4	3	4	-	-	-	-
0200	4	4-5	4	4	4	-	-	-	-	-	-	-	-
0300	2	2	1-2	2-3	3-4	4	2-3	2-3	2-3	2	2	2	2-3
0400	3	-	-	3	3-4	-	3	3	3	3	-	3	3
0450	3	-	-	3	-	-	4	4	3	-	-	-	-
0500	3	3	2	3-4	3	2-3	3	3	3	3	-	3B	-

Assessment: The section upstream of Athenry was in satisfactory condition in September 2012 showing no change on 2009. A definite improvement was noted downstream of Athenry near Mulpit (0300) with the condition improving from bad to poor ecological condition (based on combined quality elements). Moderate ecological conditions were noted at Whistle Bridge (0400) which was similar to the 2009 results. Overall a welcome improvement due to the ongoing programmes of measures at the Athenry wastewater treatment plant. Further improvement is required, however, to achieve the objectives for the Clarinbridge River under the Water Framework Directive.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br at Lisdorán	156625	205637	46	GY
0035	Downstream Br S of Cloonkeen	0	0	0	GY
0040	Bridge N. of Ballyboggan	154969	230288	46	GY
0050	Bridge 1.6 km u/s Athenry	151294	229122	46	GY
0200	Athenry: South Bridge	150211	227295	46	GY
0300	Br N Mulpit	148794	226293	46	GY
0400	Whistle Bridge	146986	223067	46	GY
0450	Toberbracken Br	143934	222090	46	GY
0500	Clarin Bridge	141213	220027	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	65	9	0	100	63	0	18	0	0	0	19
0040	60	13	0	100	56	0	20	0	0	0	24
0050	40	34	0	100	67	0	20	0	0	0	12
0200	27	39	0	100	65	0	19	3	0	0	13
0300	20	48	0	100	69	0	15	3	2	0	11
0400	12	88	0	100	72	2	9	2	6	0	10
0450	10	110	0	100	71	1	7	2	10	0	9
0500	1	115	0	100	71	2	7	1	11	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILCOLGAN**
 Tributary of : Sea - Dunbulvaun Bay
 OS Grid Ref of Confluence: M 417 184
 Date(s) Surveyed: 2/10/2012

29/K/01
 OS Catchment No: 145

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1977	1980	1983	1986	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	-	-	3-4	3-4	3-4	3	-	-	3	-	-	-	-
0200	4	4	3	3	3	3	4	4	2	2-3	3	4	3-4	3
0280	-	-	-	-	-	-	-	3-4	-	-	-	-	-	-
0300	4-5	-	-	4	4	4	4	-	3-4	4	4	-	4	4
0400	4-5	5	4	4	4	4	4	4	3	4	4	4	4	4
0500	-	-	-	4	-	-	3-4	4	3-4	3-4	-	3	-	-
0600	-	-	-	4	-	-	-	3-4	3	3-4	3-4	3-4	3-4	-

Assessment: A further decline was noted at the upper site (0200) on the Kilcolgan or Dunkellin River. The mid section remained in good ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	White Mill N. of Loughrea*	162190	217900	52	GY
0200	Killilan Bridge	157984	219743	52	GY
0280	Br just u/s Toberdoney at Caherkin	153850	220611	46	GY
0300	Bridge at Strongfort Lodge	152589	220060	46	GY
0400	Old Road Bridge Craughwell	151051	220017	52	GY
0500	Dunkellin Bridge	145425	218405	52	GY
0600	Kilcolgan Bridge	144213	218418	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	75	17	0	100	65	0	0	13	4	18	0
0200	49	29	0	100	71	0	0	10	8	11	0
0300	23	148	0	100	76	1	2	2	9	2	8
0400	19	271	0	100	71	2	5	1	7	1	13
0500	12	332	0	100	72	2	4	1	9	1	12
0600	10	336	0	100	72	2	4	1	9	1	12

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNOCKNAREBANA** 29/K/04
 Tributary of : 29O01 OWENDALULLEEGH OS Catchment No: 146
 OS Grid Ref of Confluence: R 556 990
 Date(s) Surveyed: 7/9/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4-5	4	4-5	4-5	4-5

Assessment: No change with a high quality response noted in this Owendalulleegh (qv) tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W of Tooravoola	155313	201183	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	143	5	100	0	0	57	36	0	4	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LECARROW STREAM**

29/L/01

Tributary of : 29C03 CARRA STREAM

OS Catchment No: 145

OS Grid Ref of Confluence: R 625 217

Date(s) Surveyed: 21/9/2012

Previously reported as part of the Carra (29C03)

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	-	3-4	3	-	4	-	-	-
0500	3-4	-	-	-	-	-	-	-
0600	4-5	4	-	4	4	3-4	4	4

Assessment: No change in this tributary of the Carra Stream - good ecological condition maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br at Lisduff	164634	220261	46	GY
0500	Bridge N. of Kincullia	164285	220420	46	GY
0600	Br at Bullaun	163039	221393	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	67	28	0	100	81	3	0	0	9	0	7
0600	62	34	0	100	77	3	0	0	11	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENDALULLEEGH**

29/O/01

Tributary of : Lough Cutra

OS Catchment No: 146

OS Grid Ref of Confluence: R 478 976

Date(s) Surveyed: 7/9/2012, 21/9/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1989	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4-5	-	-	-	-	-	-	-
0200	-	4-5	-	-	-	-	-	-	-
0400	-	3-4	-	-	-	-	-	-	-
0500	5	-	4-5	4-5	4-5	2*	4-5	4-5	4-5
0600	5	-	-	-	-	-	-	-	-
0700	-	-	4-5	4-5	5	3-4*	4-5	-	4-5
0800	5	-	-	-	5	4*	n/s	5	4-5
0900	-	4-5	4-5	4-5	5	4	5	4-5	4-5
1000	-	5	4-5	4-5	4-5	4	4	4-5	4-5

Assessment: The Owendalulleegh was in a highly satisfactory condition over its surveyed length in 2013. It is a tributary of Lough Cutra and was impacted by the Derrybrien landslide in 2003. The recovery has been maintained although a slight drop in quality was noted at Station 0800. In overall terms this is one of the best quality mid-sized rivers in the region. The catchment is heavily afforested and care will be needed in harvesting and replanting of trees in order to protect the river's ecology.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E.S.E. of Knocknamona	0	0	0	GY
0200	Br S.S.E. of Knockmoyle West	0	0	0	GY
0400	Bridge N. of Derreenamucka	0	0	0	GY
0500	Ford at Tooraglassa	160197	201219	52	GY
0600	Ford S. of Knock	0	0	0	GY
0700	Ford at Inchamore	156156	199607	52	GY
0800	Br 750m N of Scalp	154668	198941	52	GY
0900	Ford at Derreen	151724	198386	52	GY
1000	Br SE Killafeen	148354	197128	52	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	102	39	86	14	6	35	40	0	0	0	19
0700	73	57	88	12	11	30	44	0	0	0	15
0800	62	69	89	11	9	31	42	0	0	0	17
0900	49	80	88	12	9	30	41	0	2	0	19
1000	36	90	89	11	10	28	39	0	3	0	20

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RAFORD**
 Tributary of : 29K01 KILCOLGAN
 OS Grid Ref of Confluence: M 522 200
 Date(s) Surveyed: 1/10/2012

29/R/01
 OS Catchment No: 145

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	4	4	4	4
0150	3-4	3-4	4-5	3-4	4	4	4	-	-	-
0200	4-5	4	3-4	3-4	4	3-4	3-4	3-4	4	3-4
0300	3-4	4	4	4	-	-	-	-	-	-
0400	4	4	3-4	4	3-4	3-4	4	4	-	-
0500	-	4	4	-	-	-	-	-	4*	4*

Assessment: While the upper site (0100) retained its satisfactory condition the middle Rafor Bridge (0200) reverted to unsatisfactory quality (Q3-4). The lower site is subject to regular summer drying out due to the karst nature of the catchment geology - water was flowing again when sampled in early October 2012 albeit with a more limited macroinvertebrate fauna due to its temporary nature.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Beech Hill Bridge	164839	229078	46	GY
0150	Br at Island, NW Bellafa	164759	227032	46	GY
0200	Raford Bridge	160833	226097	46	GY
0300	Bridge E. of Kiltullagh	157926	225019	46	GY
0400	Rattys Bridge	154734	223261	46	GY
0500	Bridge u/s Kilcolgan River	152207	220346	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	74	28	0	100	53	9	10	0	1	0	26
0150	63	66	0	100	57	4	11	1	4	0	22
0200	46	76	0	100	59	4	11	1	4	0	21
0300	36	83	0	100	60	4	10	1	4	0	21
0400	28	113	0	100	64	3	9	1	4	0	20
0500	21	122	0	100	66	3	8	1	4	0	18

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TOBERDONEY**
 Tributary of : 29K01 KILCOLGAN
 OS Grid Ref of Confluence: M 553 215
 Date(s) Surveyed: 1/10/2012

29/T/01
 OS Catchment No: 145

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0300	4	3	-	3	3	3-4	3	4
0500	4	-	4-5	4-5	4	-	-	-
0700	-	-	3	-	4	4	4	4

Assessment: Satisfactory at both sites surveyed. A significant improvement in quality was noted at the upper site at Ballykeeran Bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballykeeran Bridge	160956	223244	46	GY
0500	Bridge W. of Dunsandle	156044	221566	46	GY
0700	Just u/s Kilcolgan R confl	153776	220692	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	49	14	0	100	80	0	8	0	0	0	12
0500	32	22	0	100	76	4	5	0	5	0	10
0700	27	98	0	100	78	2	3	0	7	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

WRBD: HYDROMETRIC AREA NO. 29

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballymabilla	2012	29B03	0.0	6.5	0.0	0.0	0.0	6.5
Beagh	2012	29B02	0.0	3.5	0.0	0.0	0.0	3.5
Boleyneendorish	2012	29B04	16.5	1.0	0.0	0.0	0.0	17.5
Cannahowna	2012	29C01	0.0	4.0	0.0	0.0	0.0	4.0
Carra Stream	2012	29C03	0.0	15.4	3.6	0.0	0.0	19.0
Clarinbridge	2012	29C02	0.0	13.7	0.0	12.3	0.0	26.0
Kilcolgan	2012	29K01	0.0	8.4	6.6	6.6	0.0	21.5
Knocknarebana	2012	29K04	3.5	0.0	0.0	0.0	0.0	3.5
Lecarrow Stream	2012	29L01	0.0	4.0	0.0	0.0	0.0	4.0
Owendalulleagh	2012	29O01	22.5	0.0	0.0	0.0	0.0	22.5
Raford	2012	29R01	0.0	28.4	6.6	0.0	0.0	35.0
Toberdoney	2012	29T01	0.0	12.0	0.0	0.0	0.0	12.0
Total Length (km) surveyed this cycle			42.5	96.9	16.8	18.9	0.0	175.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Current Length (km) Adjusted			42.5	96.9	16.8	18.9	0.0	175.0
Percentages			24.3	55.3	9.6	10.8	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2010-'12		139.4	16.8	18.9	0.0	175.0	
<i>Percentages</i>			79.6	9.6	10.8	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2007-'09		46.0	86.8	23.9	16.9	1.5	175.0
<i>Percentages</i>			26.3	49.6	13.6	9.7	0.9	100.0
Changes since Previous Survey (km)			-3.5	10.1	-7.1	2.0	-1.5	0.0

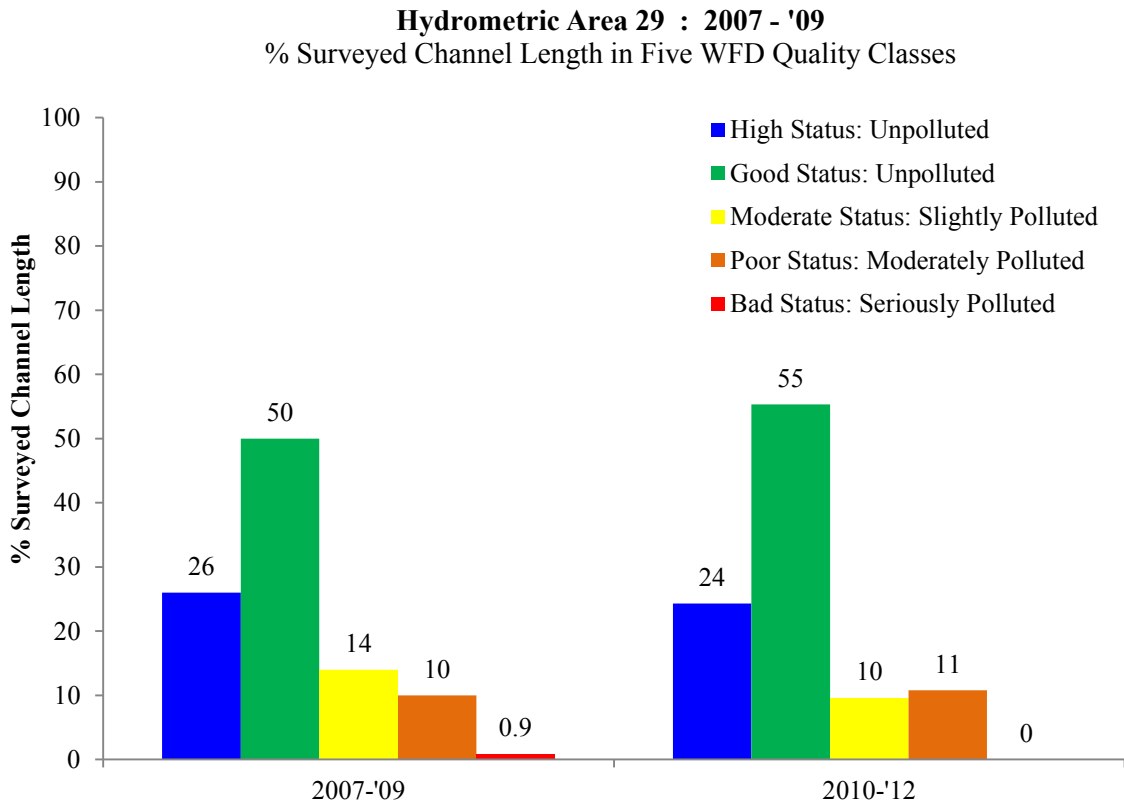
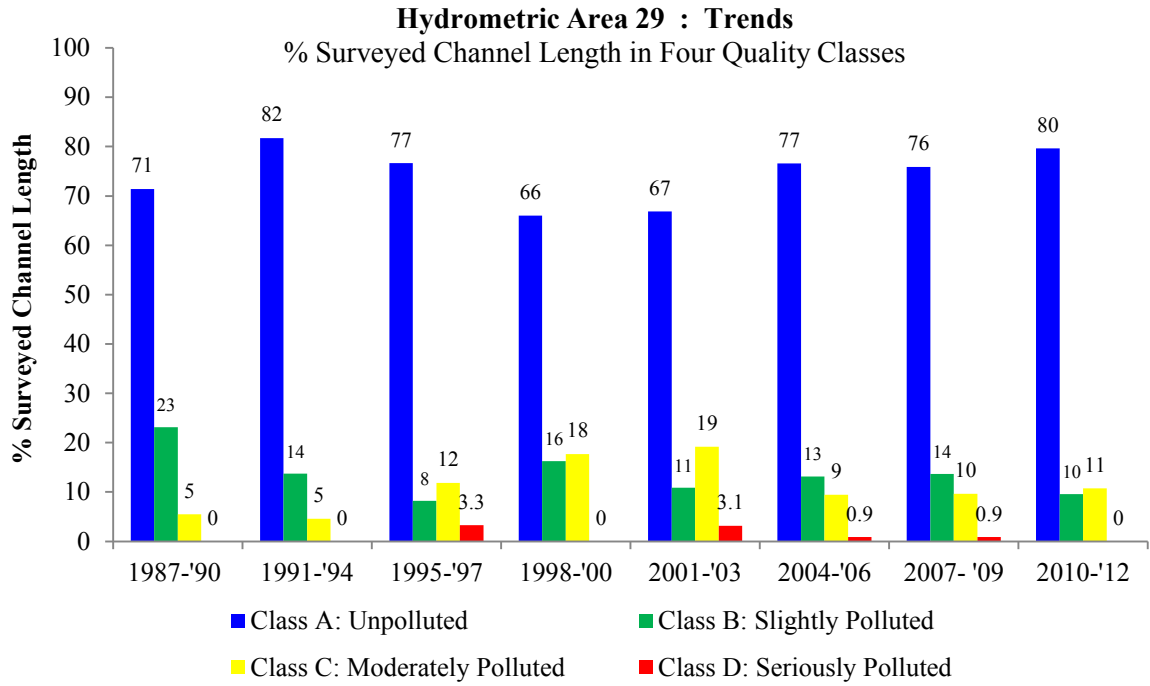
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	6	8
Good	14	15
Moderate	4	2
Poor	3	3
Bad	1	0
Total number of sites surveyed	28	28
Total number of sites at unsatisfactory status	8	5



HYDROMETRIC AREA 30 (Corrib)	
ABBERT	30A01
AGHINISH *	30A03
AILLE (MAYO)	30A02
BALLINDINE	30B03
BALLYCUIRKE	30B14
BEALANABRACK	30B01
BLACK (SHRULE)	30B02
BUNOWEN (OUGHTERARD)	30B08
CAMMANAGH	30C04
CLARE (GALWAY)	30C01
CLAUREEN (MAYO)	30C12
CLOONDAVER STREAM (NORTH)	30C09
CLOONFAD	30C11
CONG CANAL	30C06
DALGAN	30D01
DOOGHTA	30D02
FAILMORE	30F01
FINNY	30F03
FOOEY	30F02
GLENGAWBEG	30G06
GLENNAMUCKA STREAM *	30G04
GLENSAUL	30G01
GORTGARROW STREAM *	30G05
GRANGE (GALWAY)	30G02
JOYCE'S	30J01
KNOCKAUNRANNY STREAM	30K02
LEVALLY STREAM *	30L07
LOUGH NACORRALEA STREAM	30L03
LOUGHKIP	30L01
NANNY (TUAM)	30N01
OWENBRIN	30O01
OWENWEE (CORRIB)	30O03
ROBE	30R01
SCARDAUN	30S04
SINKING	30S01
SRAH STREAM	30S02
SRAHNALONG	30S03
TERRYLAND	30T01
TULLAGHAUN	30T03
YELLOW (SINKING) *	30Y01

* AGHINISH .

* GLENNAMUCKA STREAM Previously reported as part of the Abbert 30A01

* GORTGARROW STREAM Previously reported as part of the Sinking 30S01

* LEVALLY STREAM Previously reported as part of the Grange (GY) 30G02

* YELLOW (SINKING) Previously reported as part of the Sinking 30S01

River and Code : **ABBERT**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 415 483
 Date(s) Surveyed: 2/8/2012, 3/8/2012

30/A/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1977	1981	1985	1987	1989	1994	1997	2000	2003	2006	2009	2012
0028	-	-	-	-	-	-	-	4	3-4	-	-	4	4
0070	-	-	-	-	-	-	4	4	3-4	4	4	-	-
0100	-	-	4-5	5	4	4	4	4	4	3-4	4	4	4
0200	-	-	3-4	4	3-4	4	4	4	4	3-4	3-4	-	-
0300	-	4-5	4	4	4	4	4	3-4	3	3	3-4	3-4	3-4
0400	-	-	4-5	4	4	4	4	4	4	4	4	-	4
0500	4-5	4-5	5	3-4	4	4	4	4	3	3-4	3-4	3-4	4

Assessment: Good ecological condition was recorded at all but one of the five sites surveyed on the Abbert in 2012. Moderate conditions continued at Station 0300.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0028	400m u/s Br at Sheeaun	160620	233183	46	GY
0070	Licklea Br	155736	233602	46	GY
0100	Killaclougher Bridge	155928	237967	46	GY
0200	Abbert Bridge	155685	242729	46	GY
0300	Bridge u/s Abbey Bridge	151688	243646	46	GY
0400	Pallas Bridge	147219	242306	46	GY
0500	Bridge at Bullaun	143625	240783	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0028	78	10	0	100	46	3	42	0	2	0	7
0070	61	30	0	100	52	3	31	0	3	0	12
0100	55	52	0	100	55	3	27	0	3	0	12
0200	48	100	0	100	57	3	23	0	8	0	9
0300	39	165	0	100	63	2	17	0	12	0	6
0400	32	190	0	100	64	2	17	0	12	0	6
0500	28	212	0	100	65	2	15	0	13	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AGHINISH**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: M 155 672
 Date(s) Surveyed: 6/12/2012

30/A/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1994	1996	2000	2003	2006	2009	2012
0100	4	4-5	4	4-5	4	4	4	4	4

Assessment: Continuing good ecological quality in this Lough Carra outflow connecting to Lough Mask.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Keel Bridge	116236	268054	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	15	109	0	100	45	3	9	0	21	15	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AILLE (MAYO)**

30/A/02

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref of Confluence: M 136 727

Date(s) Surveyed: 7/12/2012, 21/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1984	1989	1993	1996	2000	2003	2006	2009	2012
0010	3-4	4-5	4-5	3	4-5	3-4	3-4	3-4	3-4	3-4
0050	5	4-5	5	4	4	4-5	4	4	-	-
0060	-	-	-	4	4	4-5	-	-	-	-
0100	4	4-5	4-5	4-5	-	-	-	4-5	-	4-5
0110	-	-	-	-	4-5	5	4-5	-	4-5	-
0200	-	5	4-5	4-5	-	-	-	-	-	-
0250	-	-	5	4-5	4	4-5	4	4-5	4-5	-
0300	4	4	4-5	4-5	-	-	-	-	4	-
0400	-	4	-	-	4	4	3-4	4	4	4

Assessment: The upper Aille (0010) at Croaghribeg was again at moderate condition. A big improvement in quality was noted at 0100 South of Killawallaun. Flooding prevented the rest of the river being surveyed in 2012 with the exception of the lowermost site (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br NE Croaghribeg	103865	272113	38	MO
0050	Arderry Br	105615	275984	38	MO
0060	Near Mill u/s Aille Caves	106772	280477	31	MO
0100	Bridge S. of Killawallaun	111287	280373	31	MO
0110	Bridge NW of Claireen	112255	280068	31	MO
0200	Bridge W. of Cartronbower	0	0	0	MO
0250	Bridge u/s Cloon Lough	114284	276081	38	MO
0300	Bridge d/s Cloon Lough	114390	273586	38	MO
0400	Bridge u/s Lough Mask	113494	272577	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	97	8	100	0	1	0	89	0	10	0	0
0050	61	27	88	12	2	3	80	0	12	0	3
0060	60	34	86	14	1	2	77	0	17	0	3
0100	25	73	55	45	1	3	60	0	26	0	10
0110	22	79	52	48	1	3	60	0	27	1	9
0250	18	124	33	67	8	2	52	0	31	0	6
0300	20	129	32	68	8	2	52	0	31	1	6
0400	20	145	34	66	8	2	54	0	30	1	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINDINE**
 Tributary of : 30R01 ROBE
 OS Grid Ref of Confluence: M 349 709
 Date(s) Surveyed: 7/12/2012, 17/9/2012

30/B/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1986	1989	1994	1996	2000	2003	2006	2009	2012
0100	-	3-4	3	3	1-2	2-3	3/0	3	2-3	3
0200	3	3-4	2-3	2-3	2-3	3-4	2-3	3-4	3-4	3

Assessment: Poor ecological conditions were again recorded at both the upper site in Ballindine (0100) and the lower site downstream of Ballindine wastewater treatment plant.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballindine Bridge	136558	269227	39	MO
0200	Bridge u/s Robe River confl	134907	270841	39	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	52	4	0	100	24	11	17	0	48	0	0
0200	47	9	0	100	37	10	9	0	45	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYCUIRKE**
 Tributary of : Lough Corrib
 OS Grid Ref of Confluence: M 241 332
 Date(s) Surveyed: 29/8/2012

30/B/14
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1997	2000	2003	2006	2009	2012
0100	3-4	3-4	3	3	3	3	3	3

Assessment: The outflow from Ballycuiрке was again at poor quality apparently due to the eutrophic condition of the lake. Investigative monitoring to assess the source of the problem is ongoing.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Railway Br d/s Ballycuiрке Lough	123190	232555	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	N/A	0	0	100	66	0	34	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BEALANABRACK**

30/B/01

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: L 975 522

Date(s) Surveyed: 4/10/2012, 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1985	1989	1994	1996	2000	2003	2006	2009	2012
0050	-	-	-	-	-	-	4	-	4	4
0100	5	5	5	4-5	4-5	4-5	3	4	-	-
0200	5	-	5	4	4-5	4-5	4	4	4	4

Assessment: Both sites surveyed were in good ecological condition with no major change since 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Footbridge N Knockaunbaun	90248	255014	38	GY
0100	Bridge u/s Joyce's River	92031	254742	38	GY
0200	Maam Bridge	96497	252808	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	29	0	0	0	0	0	0	0	0	0	0
0100	18	21	76	24	0	2	8	0	0	0	90
0200	7	55	87	13	0	3	30	0	16	0	52

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BLACK (SHRULE)**

30/B/02

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 198 578

Date(s) Surveyed: 6/12/2012, 19/9/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1977	1980	1984	1989	1994	1997	2000	2003	2006	2009	2012
0100	-	3-4	3-4	3-4	3-4	4	3-4	4	4	4	4
0200	4-5	4-5	4	4-5	4-5	4-5	4	4-5	4	4-5	4
0300	4-5	4-5	3	3-4	3-4	4	4	3-4	4	4	3-4
0600	-	-	4	4	4	-	4	4	4	4	4

Assessment: The Black River is in satisfactory condition generally, apart from significant signs of eutrophication in the middle reaches at Station 0300 (Moyne Bridge).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge at Kilshanvy	131862	257689	38	GY
0200	Bridge in Shrule	128031	252598	38	MO
0300	Moyne Br	125579	249084	45	MO
0600	First Bridge u/s L Corrib	120586	247820	45	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	30	3	0	100	92	0	0	0	8	0	0
0200	22	173	0	100	54	1	16	0	25	0	4
0300	16	186	0	100	53	1	15	0	27	0	3
0600	7	202	0	100	54	1	14	0	28	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNOWEN (OUGHTERARD)**

30/B/08

Tributary of : Lough Ateeaun

OS Catchment No: 143

OS Grid Ref of Confluence: M 090 414

Date(s) Surveyed: 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4	3-4	4	4	4	4

Assessment: The Bunowen was in satisfactory condition when surveyed in September 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glengowla Bridge	108353	242380	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	38	5	85	15	6	5	81	0	0	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CAMMANAGH**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: L 996 568
 Date(s) Surveyed: 5/10/2012

30/C/04
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1994	1996	2000	2003	2006	2009	2012
0100	5	5	4-5	5	4	4-5	4-5	4-5	4-5

Assessment: A high Q-Value was recorded again in the Cammanagh. Some dislodging of bank reinforcements was noted at the sampling site.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Lough Mask	97834	256851	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	28	8	100	0	0	0	42	0	14	0	43

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLARE (GALWAY)**

30/C/01

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 303 314

Date(s) Surveyed: 10/8/2012, 13/9/2012

Station Nos.	Biological Quality Ratings (Q Values)																								
	1971	1973	1975	1977	1978	1979	1980	1982	1985	1989	1992	1993	1994	1996	1997	1998	1999	2000	2002	2003	2005	2006	2008	2009	2012
0100	4-5	4	-	4	-	-	4	-	3-4	4	-	3	-	3-4	-	-	-	3-4	-	4	-	3-4	-	3-4	3-4
0300	-	-	-	-	-	-	5	-	4	4	-	3-4	-	3	-	-	-	4	-	4	-	4	-	-	-
0500	-	5	4	4	4	-	4-5	-	4	4	-	4	-	3	-	-	-	4	-	4	-	4	-	4	4
0650	3	3	3-4	4	-	4	3-4	3	3	2-3	-	3	-	3	-	-	-	4	-	3-4	-	4	-	3-4	4
0700	3-4	3	3-4	4	-	4	4	4	3	3-4	-	3	-	3	-	-	-	3-4	-	4-5	-	4	-	3-4	4
0800	4	4	4	4	-	4	4	3-4	4	3-4	3-4	3	3-4	4	4	4	3-4	3	3-4	3-4	3-4	3	3-4	3-4	3-4
0900	-	-	-	-	-	-	4	3-4	3-4	3-4	-	3-4	-	3-4	-	-	-	4	-	4	-	4	-	-	-
1000	-	-	-	-	-	-	-	-	-	4	-	4	-	3	-	-	-	4	-	3-4	-	3-4	-	4	4
1100	-	-	-	-	-	-	4	-	3-4	4	-	3-4	-	3-4	-	-	-	3	-	4	-	4	-	4	3-4
1200	4	-	-	5	-	-	-	-	3-4	4	-	3	-	3	-	-	-	3-4	-	3-4	-	4	-	-	-
1300	-	-	-	-	-	-	4	-	4	4	-	4	-	4	-	-	-	4	-	4	-	4-5	-	4-5	-

Assessment: The upper Clare from upstream of Milltown (0100) to Tuam (0500) was unchanged compared with the 2009 survey. An improvement was noted in the reaches downstream of Tuam (0650 and 0700) with good ecological conditions restored. Conditions at Corofin were unchanged, however, and some investigative monitoring has been undertaken in an attempt to determine the cause of pollution in this reach. A deterioration was noted at Cregmore (1100) in comparison with the 2009 survey. Due to flood conditions it was not possible to complete the survey downstream of Claregalway in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 1.5 km u/s Milltown	141291	263709	39	GY
0300	Fartamore Bridge	139437	258772	39	GY
0500	Ballygaddy Bridge	142020	253774	39	GY
0650	0.1 km d/s Weir Bridge	141593	252819	39	GY
0700	Cloonmore Br	140827	249846	46	GY
0800	Corrofin Bridge	142705	243204	46	GY
0900	Dalys Br	141533	240374	46	GY
1000	Lackagh Br	141843	236407	46	GY
1100	Cregmore Bridge	141011	232809	46	GY
1200	Claregalway Bridge	137185	233239	46	GY
1300	Curraghmore Bridge	132111	232828	46	GY

Hydrometric Area 30 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	42	335	0	100	58	1	21	1	14	0	5
0300	37	424	0	100	60	1	19	0	15	0	4
0500	31	453	0	100	61	1	18	1	15	0	4
0650	29	496	0	100	61	1	18	1	15	0	3
0700	27	514	0	100	61	1	18	1	15	0	3
0800	24	683	0	100	61	1	19	1	14	0	3
0900	22	909	0	100	62	1	18	1	14	0	4
1000	20	931	0	100	62	1	17	1	14	0	4
1100	10	976	0	100	63	1	17	1	15	0	4
1200	8	1056	0	100	65	1	15	1	15	0	3
1300	6	1075	0	100	65	1	15	1	15	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLAUREEN (MAYO)**

30/C/12

Tributary of : 30A02 AILLE (MAYO)

OS Catchment No: 143

OS Grid Ref of Confluence: M 134 794

Date(s) Surveyed: 20/8/2012, 21/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1996	2000	2003	2006	2009	2012
0400	3	3-4	2-3	3	3	3	3	3
0700	4-5	4	4	4	4	3	4	3-4

Assessment: Moderate ecological condition was seen again at the upper station (0400) of the Claureen in Ballyheane village. A drop in quality was noted at the lower site (0700) surveyed in 2012 vis à vis 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge in Ballyhean	113427	283326	31	MO
0700	Claureen Bridge	113202	280262	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	27	26	0	100	21	0	29	0	49	0	2
0700	22	37	1	99	20	1	31	0	46	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONDAVER STREAM (NORTH)** **30/C/09**
 Tributary of : Lough Carra OS Catchment No: 143
 OS Grid Ref of Confluence: M 200 727
 Date(s) Surveyed: 7/12/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1993	1996	2000	2003	2006	2009	2012
0100	3-4	3-4	4	3	3-4	3-4	3	3-4	3-4
0200	4-5	4	4-5	3-4	4	3	-	-	3-4

Assessment: In 2012 the Cloondaver North Stream at Mullingar Bridge exhibited unsatisfactory ecological conditions once again. This is an important tributary of Lough Carra.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Mullingar Bridge	122372	273337	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	30	12	0	100	60	0	8	0	32	0	0
0200	20	0	0	100	40	0	10	0	42	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONFAD**
 Tributary of : 30D01 DALGAN
 OS Grid Ref of Confluence: M 477 721
 Date(s) Surveyed: 16/7/2012

30/C/11
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1996	2000	2003	2006	2009	2012
0110	4	4	4	4	4	3-4	-	-
0300	2-3	3-4	3	3	3-4	3-4	3-4	3-4

Assessment: The Cloonfad was unsatisfactory in terms of ecological condition where surveyed in 2012 with significant evidence of siltation and a lack of sensitive taxa.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0110	Bridge E. of Cloonfad	151737	271155	39	RN
0300	Blackford Bridge	149226	271082	39	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0110	68	20	0	100	61	6	6	0	24	0	3
0300	59	29	0	100	44	6	18	0	27	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CONG CANAL**
 Tributary of : Lough Corrib
 OS Grid Ref of Confluence: M 149 545
 Date(s) Surveyed: 6/12/2012

30/C/06
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)				
	1997	2000	2003	2009	2012
0250	4-5	4-5	4-5	4	4

Assessment: The Cong Canal continued to be in satisfactory condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Br at old Church in Cong	114616	255091	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0250	10	891	29	71	29	3	26	1	22	12	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DALGAN**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 432 638
 Date(s) Surveyed: 17/7/2012

30/D/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)															
	1979	1981	1983	1985	1987	1988	1989	1990	1991	1994	1996	2000	2003	2006	2009	2012
0100	4-5	4	4	4	4	4	4	-	-	4	3-4	4	4	3-4	4	4
0200	1	1	1	1-2	1	1-2	1-2	1/0	1	1-2	1-2	2-3	3	2-3	2-3	3
0300	4	3	3	-	2	2-3	3	-	-	3	2-3	3	3-4	3-4	3	3-4
0400	4	4	3-4	3	2-3	3	3-4	-	-	3	3	3	4	3-4	4	3-4
0500	4	4	3-4	3	3	3-4	3	-	-	3-4	3-4	4	4	3-4	3-4	3-4
0600	4	4	3-4	3-4	3	3-4	4	-	-	3-4	3-4	3	3-4	4	4	4

Assessment: On balance the Dalgan River exhibited an improvement in quality in 2012 compared to the 2009 survey. Stations 0200 and 0300 downstream of Ballyhaunis (where there are a number of point source discharges) improved, although they still have not yet achieved good ecological conditions. A slight decline in quality was, however, noted at station 0400 and quality remained unchanged at the last two sites surveyed (0500, 0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballyhaunis Bridge	149654	279461	39	MO
0200	2 km S.W. of Ballyhaunis	148752	278064	39	MO
0300	Cottage Bridge	148048	274909	39	MO
0400	Culnacleda Bridge	147536	271685	39	MO
0500	Doonmacreena Bridge	143090	267519	39	MO
0600	Dalgin Bridge	143086	264301	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	75	21	0	100	66	0	26	1	2	0	5
0200	72	25	0	100	68	0	22	4	3	0	4
0300	59	42	0	100	70	0	19	2	5	0	3
0400	57	102	0	100	61	2	15	1	14	0	7
0500	53	146	0	100	56	2	19	1	17	0	6
0600	48	168	0	100	56	2	19	1	18	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOOGHTA**
 Tributary of : Lough Corrib
 OS Grid Ref of Confluence: M 057 520
 Date(s) Surveyed: 5/10/2012

30/D/02
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	-	-	-	-	-	4
0100	5	4-5	5	4-5	4-5	4-5	4-5	4-5	3-4
0200	5	5	4	4	4-5	4-5	4-5	-	-

Assessment: A serious decline in quality was noted in the Dooghta Station (0100), dropping from high to moderate ecological condition compared with 2009 with the loss of some key sensitive species. A new site was examined upstream (0050) which was of better quality than Station 0100 albeit with signs of impact also. The source of the problem wasn't immediately obvious but extensive drainage, ploughing and reseeded at the top of the catchment was noted as a potential source although not located between the two sites examined. Slurry spreading and wash off in the wet summer of 2012 in the intervening area may be another suspected cause. Further investigative monitoring is needed

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br S Crumlin East	100058	253720	47	
0100	Ford to W. of Dooghta	101405	253056	38	GY
0200	Bridge u/s Lough Corrib	103977	252588	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	19	12	100	0	0	0	68	0	32	0	0
0200	9	24	100	0	0	0	57	0	39	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FAILMORE** **30/F/01**
 Tributary of : 30B01 BEALANABRACK OS Catchment No: 143
 OS Grid Ref of Confluence: L 974 522
 Date(s) Surveyed: 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1985	1989	1994	1996	2000	2003	2006	2009	2012
0100	5	5	5	5	5	4-5	4-5	4-5	4-5	4

Assessment: A significant decline in status was noted in 2012 compared with all previous surveys. Oil was noted on the water surface and the macroinvertebrate community had declined in quality with large numbers of the snail *Lymnaea*. Significant quantities of filamentous algae were also noted as an indication of disturbed ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Teernakill Bridge	96247	252111	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	7	26	77	23	1	0	85	0	5	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FINNY**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: M 018 582
 Date(s) Surveyed: 5/10/2012

30/F/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1993	1996	2000	2003	2006	2009	2012
0100	5	5	4	4-5	4-5	4-5	4	4-5	4-5

Assessment: Continuing high quality observed in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	S.W. of Finny	101024	258646	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	19	39	94	6	1	0	58	0	5	7	28

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FOOEY** **30/F/02**
 Tributary of : Lough Nafooeey OS Catchment No: 143
 OS Grid Ref of Confluence: L 953 596
 Date(s) Surveyed: 30/7/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1994	1996	2000	2003	2006	2009	2012
0100	5	5	4	5	4-5	3-4	4	4	4

Assessment: Satisfactory ecological conditions were maintained in this Lough Nafooeey tributary in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Lough Nafooeey	94714	260050	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	22	10	100	0	0	0	25	0	0	0	75

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENGAWBEG** **30/G/06**
 Tributary of : 30O02 OWENRIFF (CORRIB) OS Catchment No:
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)		
	2006	2009	2012
0100	4	4*	4

Assessment: The macroinvertebrates in this important Owenriff River (qv) tributary were satisfactory with a slight improvement compared with 2009. Condition is lower than it should be, however, in this energetic river with significant algal growth still observed. Forestry impacts in this acid area are noticeable.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s L. Agraffard	106773	241601	45	GY

River and Code : **GLENNAMUCKA STREAM** **30/G/04**
 Tributary of : 30A01 ABBERT OS Catchment No: 143
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 2/8/2012

Previously reported as part of the Abbert 30A01

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2009	2012
0015	4	4	3-4	3	4	3-4	3-4

Assessment: Diffuse eutrophication impacts were again noted in this upper Abbert River (qv) tributary in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br at Ballyglass	160526	234877	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0015	76	8	0	100	44	4	22	0	8	0	21

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENSAUL**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: M 106 678
 Date(s) Surveyed: 21/8/2012

30/G/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)					
	1996	2000	2003	2006	2009	2012
0010	3-4	3-4	4	4	4	4
0250	-	-	4	4-5	4-5	4-5

Assessment: No change in comparison with 2009 - satisfactory conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	S of Garaanagerra (roadside)	105317	265869	38	MO
0250	0.25 km d/s Br in Tourmakeady	109936	267975	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	101	5	91	9	0	0	67	0	33	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GORTGARROW STREAM**

30/G/05

Tributary of : 30S01 SINKING

OS Catchment No: 143

OS Grid Ref of Confluence:

Date(s) Surveyed: 16/7/2012

Previously reported as part of the Sinking 30S01

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1996	2000	2003	2006	2009	2012
0010	-	3-4	2-3	2-3	3	3	-	-
0025	3-4	3-4	3	4	3-4	4	3-4	3

Assessment: A further deterioration in quality as indicated by the macroinvertebrates was noted in the Gortgarrow in the upper stretches of the Sinking River (qv) system.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br at Gortgarrow*	157514	259081	39	GY
0025	Bridge W. of Parkbaun	158766	260999	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	74	5	0	100	90	1	9	0	0	0	0
0025	67	31	0	100	74	0	15	1	3	3	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GRANGE (GALWAY)**

30/G/02

Tributary of : 30C01 CLARE (GALWAY)

OS Catchment No: 143

OS Grid Ref of Confluence: M 430 450

Date(s) Surveyed: 2/8/2012, 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1989	1994	1997	2000	2003	2006	2009	2012
0120	-	-	4	4	4	3	4	4	4	4
0200	3	4	4	3-4	4	4	3	3-4	3-4	4
0300	5	4	4	3-4	3	4	3-4	4	-	4
0400	4	4-5	4-5	3-4	3	3-4	3-4	3-4	3-4	4
0500	4	4	4	3	3-4	4	4	4	4	4
0700	-	-	-	-	-	-	4	3-4	3	4

Assessment: An improvement was noted at a number of stations on the Grange River and it is now satisfactory over its length. This is very welcome particularly at the lowermost site (0700) upstream of its confluence with the Clare River (qv). The river had been targeted for investigative monitoring by Galway County Council and the EPA under WFD programmes of measures with a view to improving its overall status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0120	Cloonkeen Bridge	159204	251985	39	GY
0200	Bridge near Cloondahamper	155263	251505	39	GY
0300	Ford N.N.W. of Cornacartan	150944	251664	39	GY
0400	Grange Bridge	147920	249890	46	GY
0500	Cahergal Bridge	147702	247620	46	GY
0700	Mahanagh Bridge (lower)	144075	246125	46	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0120	70	4	0	100	22	17	37	0	18	0	7
0200	62	23	0	100	47	3	39	0	5	2	4
0300	52	74	0	100	58	2	29	0	3	1	8
0400	41	93	0	100	60	2	27	0	4	0	7
0500	28	105	0	100	61	1	25	0	7	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **JOYCE'S** **30/J/01**
 Tributary of : 30B01 BEALANABRACK OS Catchment No: 143
 OS Grid Ref of Confluence: L 930 548
 Date(s) Surveyed: 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1985	1989	1994	1996	2000	2003	2006	2009	2012
0100	5	5	5	4	-	4	4	3	4	4
0200	-	-	5	4	4	4	4	3	-	-

Assessment: Ecological quality was maintained in the Joyce's River in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford W.N.W. of Griggins	91573	257044	37	GY
0200	Br u/s Bealanabrack River	93093	254846	38	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	18	12	100	0	0	2	30	0	31	0	38
0200	10	21	100	0	0	5	33	0	27	0	35

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNOCKAUNRANNY STREAM** **30/K/02**
 Tributary of : Ross Lake OS Catchment No: 143
 OS Grid Ref of Confluence: M 197 357
 Date(s) Surveyed: 29/8/2012

Station Nos.	Biological Quality Ratings (Q Values)				
	2000	2003	2006	2009	2012
0200	4-5	4-5	4	4	4

Assessment: Ecological conditions remained satisfactory in this Ross Lake tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Ross Lake (side road)	119208	235788	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	10	11	96	4	13	0	68	0	8	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LEVALLY STREAM** **30/L/07**
 Tributary of : 30G02 GRANGE (GALWAY) OS Catchment No: 143
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 31/7/2012

Previously reported as part of the Grange (GY) 30G02

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1989	1994	1997	2000	2003	2006	2009	2012
0100	4	4	3	4	4	3-4	4	4	4	3-4

Assessment: A drop to moderate ecological condition for macroinvertebrates was noted in late July 2012 in this Grange (qv) tributary. Diffuse agricultural pollution is suspected as the main cause.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge near Levally	154636	252462	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	61	40	0	100	66	1	18	0	2	0	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGH NACORRALEA STREAM** **30/L/03**
 Tributary of : 30A02 AILLE (MAYO) OS Catchment No: 143
 OS Grid Ref of Confluence: M 139 737
 Date(s) Surveyed: 21/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1996	2000	2003	2006	2009	2012
0400	4	4	4-5	3-4	4-5	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge E. of Cloonee	113055	274654	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	25	13	62	38	7	0	67	0	19	4	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGHKIP**
 Tributary of : Ballycurke Lough
 OS Grid Ref of Confluence: M 241 333
 Date(s) Surveyed: 29/8/2012

30/L/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1993	1997	2000	2003	2006	2009	2012
0100	-	4	4	4	4	4-5	4	-	-
0200	4-5	5	4	4-5	4-5	4-5	4	4	4

Assessment: The Loughkip is an important tributary of Ballycurke Lake and it continues to be in satisfactory condition as indicated by the macroinvertebrate community.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Laughil Bridge	118675	229834	45	GY
0200	Bridge u/s Ballycurke Lough	122211	231218	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	72	11	100	0	5	3	71	0	7	0	14
0200	18	28	100	0	12	1	73	0	6	0	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NANNY (TUAM)**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 418 529
 Date(s) Surveyed: 3/8/2012, 10/8/2012

30/N/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)																
	1971	1973	1975	1979	1981	1983	1987	1989	1990	1991	1994	1997	2000	2003	2006	2009	2012
0100	-	-	-	-	5	5	4	3	-	-	4	-	4-5	4	4-5	-	4
0300	2	1-2	1	1	1	1	1	1	1	1	2-3	4	4	4	3-4	3	4

Assessment: Satisfactory. An improvement was noted upstream of the Nanny's confluence with the main River Clare compared with the 2009 survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW Loughpark	145518	252926	39	GY
0300	u/s Weir Bridge	141798	252990	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	44	27	0	100	73	0	15	3	7	0	2
0300	30	37	0	100	72	0	12	8	7	0	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENBRIN**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: M 058 626
 Date(s) Surveyed: 30/7/2012

30/O/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1993	1996	2000	2003	2006	2009	2012
0050	-	5*	3*	3-4	4	3-4	3-4	3-4	4
0200	5	4*	3*	3	3	3	3-4	4	4

Assessment: A welcome return to good ecological conditions after an extended period during which one or both stations regularly surveyed were impacted. Sheep overgrazing and forestry activities had been blamed for the problems in the past. It is to be hoped that good catchment management practices will continue in this important trout-producing tributary of Lough Mask. The Owenbrin produces a relatively large proportion of the brown trout that are caught in Lough Mask and it is thus a critical catchment for the lake as a whole.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br WNW Barnahowna	102974	264278	38	MO
0200	Bridge u/s Lough Mask	105561	262758	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	71	18	100	0	7	7	77	0	2	2	5
0200	20	26	100	0	7	5	70	0	11	1	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (CORRIB)** **30/O/03**
 Tributary of : Lough Corrib OS Catchment No: 143
 OS Grid Ref of Confluence: M 014 484
 Date(s) Surveyed: 11/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2009	2012
0180	4	4	3	4	4-5	4	4	4

Assessment: Continuing satisfactory conditions in this Lough Corrib tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0180	200 m d/s Tawnaghbeg Lough	101408	246968	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0180	19	9	81	19	0	12	58	0	4	3	23

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ROBE**

30/R/01

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref of Confluence: M 153 658

Date(s) Surveyed: 3/9/2012, 10/9/2012, 17/9/2012

Station Nos.	Biological Quality Ratings (Q Values)															
	1971	1977	1980	1982	1985	1987	1989	1994	1996	1997	2000	2001	2003	2006	2009	2012
0015	-	-	-	-	-	-	-	4-5	4	-	3	-	4	4	-	4
0030	-	-	-	-	-	-	3	3-4	-	4	3-4	-	4	3-4	3-4	3-4*
0110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4
0120	-	-	-	-	-	-	3-4	3-4	-	4	4	3-4	4	4	-	-
0200	4-5	4-5	4	3	4	4	3-4	3-4	-	3	3-4	-	4	4-5	4	4
0310	-	-	-	-	-	-	-	3	-	3	3-4	-	3-4	-	3	3-4
0400	5	5	4	4	3-4	3-4	4	3	-	3-4	3	3-4	3	4	3-4	3-4
0510	-	-	-	-	-	-	-	4	-	4	3	-	4	4	-	-
0600	4-5	4	4	4	4	4	4-5	3	-	4	3	-	3-4	4	4	4
0950	-	-	-	-	-	-	-	-	-	4	3	-	4	4	4	4

Assessment: Diffuse agricultural pollution (especially in the upper reaches) is the main suspected cause of pollution in the Robe. At Station 0030 Kilnock Bridge serious mechanical damage to the river banks was observed - severe clearance and bank scraping with consequential siltation and turbidity. This aggressive approach to bank clearance and dredging has been observed in the past too and greater care is needed in this area if the river is to achieve good ecological condition. The Hollybrook, Hollymount stretch is also less than good quality. Here the combination of wastewater discharges and diffuse agricultural losses is suspected. The lower reaches upstream and downstream of Ballinrobe remain satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br S of Cloonbullan	143566	276981	39	MO
0030	Kilnock Bridge	141001	273651	39	MO
0110	Br on N17 near Castlemagarret	135780	271580	0	MO
0120	Christina's Br	134435	270995	0	MO
0200	Bridge in Crossboyne	133871	271034	39	MO
0310	Hollybrook Br	128280	272033	38	MO
0400	Hollymount Bridge	125839	268640	38	MO
0510	Robeen Bridge	123326	268656	38	MO
0600	Akit Bridge	119464	264943	38	MO
0950	North of Curragh	116794	264817	38	MO

Hydrometric Area 30 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0015	71	9	0	100	29	0	4	0	40	3	24
0030	57	47	0	100	46	1	24	0	22	1	6
0200	44	128	0	100	47	3	15	2	25	0	7
0310	35	174	0	100	46	3	15	2	26	1	8
0400	32	193	0	100	46	2	16	2	25	1	7
0510	30	243	0	100	50	2	14	1	26	1	6
0600	24	265	0	100	51	2	13	1	27	1	5
0950	20	300	0	100	54	2	12	2	25	1	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SCARDAUN**
 Tributary of : 30R01 ROBE
 OS Grid Ref of Confluence: M 322 704
 Date(s) Surveyed: 7/12/2012

30/S/04
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1996	2000	2003	2006	2009	2012
0100	2-3	3	2-3	4	4	4	4	4
0500	-	3	3	3	-	3	-	-

Assessment: The Scardaun was satisfactory at Station 0100. It was not possible to sample the lower site due to flooding.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge at Scardaun	133371	267972	39	MO
0500	Just u/s Robe River confluence	132097	270185	39	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	47	6	0	100	47	5	18	0	30	0	0
0500	40	13	0	100	42	2	20	0	35	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SINKING** 30/S/01
 Tributary of : 30C01 CLARE (GALWAY) OS Catchment No: 143
 OS Grid Ref of Confluence: M 432 638
 Date(s) Surveyed: 16/7/2012, 31/7/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1979	1984	1989	1994	1996	2000	2003	2006	2009	2012
0080	-	-	-	-	-	-	3-4	3	4	-	3-4	-	-
0100	-	-	4-5	4-5	4	4	-	-	-	3-4	-	4	4
0200	-	-	-	-	4	4	-	-	-	-	-	-	-
0300	4	5	4	4	4	3-4	3-4	-	3	3-4	2-3	3	3
0320	-	-	-	-	-	-	4	-	3	4	4	-	-
0400	-	-	-	-	-	4	4	-	3	-	3-4	3-4	3

Assessment: The upper Sinking River maintained good ecological condition in July 2012. The lower reaches were unsatisfactory from downstream of Dunmore to Cloonagh Bridge upstream of the confluence with the Dalgan (qv) to form the Clare (qv). A new DBO wastewater treatment plant with phosphorus removal has been in operation in Dunmore since 2009 and appears to be operating to its licence conditions. The cause of the problem in the river downstream of Dunmore requires investigative monitoring to pinpoint the precise cause of the problem.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br SSW of Ballinlass	153497	262008	39	GY
0100	Br 3 km u/s Dunmore Bridge	152528	262094	39	GY
0200	Dunmore Bridge	150920	263507	39	GY
0300	Br at Dunmore Castle	150201	263985	39	GY
0320	Ballymoney Br	148329	263237	39	GY
0400	Cloonagh Br	144296	263500	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	57	84	0	100	58	0	29	0	9	1	2
0100	56	86	0	100	58	0	30	0	9	1	2
0200	52	108	0	100	59	0	28	0	8	1	3
0300	50	132	0	100	61	0	24	0	8	1	6
0320	49	143	0	100	60	1	24	0	9	1	6
0400	45	155	0	100	60	0	23	0	10	1	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SRAH STREAM**

30/S/02

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref of Confluence: M 123 718

Date(s) Surveyed: 7/12/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1985	1986	1988	1989	1993	1996	2000	2003	2009	2012
0400	5	4/0	4	5	3	4-5	4-5	4-5	4	3-4*

Assessment: A deterioration was noted in this Lough Mask tributary. Notably absent were some of the common stoneflies which would be expected particularly in early December - unusual sand deposits indicated potential erosion issues in the upper catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br u/s Lough Mask	111845	272439	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	21	14	87	13	33	0	62	0	5	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SRAHNALONG**

30/S/03

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref of Confluence: M 019 613

Date(s) Surveyed: 30/7/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1989	1993	1996	2000	2003	2006	2009	2012
0100	5	5	4	5	4	4	4	4	4

Assessment: Satisfactory ecological conditions were noted in the Srahnalong.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Lough Mask	100885	261418	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	33	9	99	1	0	0	97	0	3	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TERRYLAND**
 Tributary of : Corrib (Distributary)
 OS Grid Ref of Confluence: M 295 265
 Date(s) Surveyed: 29/8/2012

30/T/01
 OS Catchment No: 143

Station Nos.							Biological Quality Ratings (Q Values)				
	1980	1982	1984	1989	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	3-4	3	3	-	-	-	-
0400	1/0	3/0	3	3/0	2-3	2-3	-	-	-	-	-
0500	-	-	-	-	-	-	2-3	2-3	2-3	2-3	2-3

Assessment: No change in comparison with recent surveys - poor ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge on Galway-Headford Rd	130203	226315	45	GY
0400	400 m d/s Terryland Bridge	130882	226820	45	GY
0500	Br d/s Terryland Br on ring road	131333	227263	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	7	6	0	100	43	0	0	38	0	0	19
0400	7	5	0	100	48	0	0	30	0	0	22
0500	8	5	0	100	50	0	0	25	0	0	25

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TULLAGHAUN**

30/T/03

Tributary of : 30D01 DALGAN

OS Catchment No: 143

OS Grid Ref of Confluence: M 484 738

Date(s) Surveyed: 16/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1996	2000	2003	2006	2009	2012
0300	4	4	4	4	4	4	4	4

Assessment: Satisfactory ecological conditions recorded in July 2012 in this Dalgan River (qv) tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge u/s Dalgan River	148698	274092	39	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	60	16	0	100	67	0	6	0	1	0	27

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **YELLOW (SINKING)** **30/Y/01**
 Tributary of : 30S01 SINKING OS Catchment No: 143
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 16/7/2012

Previously reported as part of the Sinking 30S01

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1996	2000	2003	2006	2009	2012
0045	3-4	4	3-4*	4	3	4	-	-
0055	3-4	3-4	4	4	4	4	4	4

Assessment: This tributary of the Sinking River (qv) maintained its satisfactory ecological condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0045	Bridge S. of Cloonkeen	159443	265257	39	GY
0055	Woodfield Br	157151	263736	39	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0045	81	20	0	100	23	0	56	0	20	0	0
0055	68	33	0	100	45	0	40	0	14	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

WRBD: HYDROMETRIC AREA NO. 30

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Abbert	2012	30A01	0.0	27.6	7.5	0.0	0.0	35.0
Aghinish	2012	30A03	0.0	1.5	0.0	0.0	0.0	1.5
Aille (Mayo)	2012	30A02	17.2	9.3	5.0	0.0	0.0	31.5
Ballindine	2012	30B03	0.0	0.0	0.0	4.0	0.0	4.0
Bealanabrack	2012	30B01	0.0	17.0	0.0	0.0	0.0	17.0
Black (Shrule)	2012	30B02	0.0	17.5	3.5	0.0	0.0	21.0
Bunowen (Oughterard)	2012	30B08	0.0	2.0	0.0	0.0	0.0	2.0
Cammanagh	2012	30C04	4.0	0.0	0.0	0.0	0.0	4.0
Clare (Galway)	2012	30C01	5.5	36.5	17.1	0.0	0.0	59.0
Claureen (Mayo)	2012	30C12	0.0	0.0	2.7	5.8	0.0	8.5
Cloondaver Stream North	2012	30C09	0.0	0.0	6.0	0.0	0.0	6.0
Cloonfad	2012	30C11	0.0	0.0	7.0	0.0	0.0	7.0
Cong Canal	2012	30C06	0.0	1.0	0.0	0.0	0.0	1.0
Dalgan	2012	30D01	0.0	5.5	16.2	2.3	0.0	24.0
Dooghta	2012	30D02	3.6	5.6	0.9	0.0	0.0	10.0
Failmore	2012	30F01	0.0	9.0	0.0	0.0	0.0	9.0
Finny	2012	30F03	3.5	0.0	0.0	0.0	0.0	3.5
Fooley	2012	30F02	0.0	4.0	0.0	0.0	0.0	4.0
Glennamucka Stream	2012	30G04	0.0	0.0	3.0	0.0	0.0	3.0
Glensaul	2012	30G01	3.6	5.4	0.0	0.0	0.0	9.0
Gortgarrow Stream	2012	30G05	0.0	0.0	0.0	6.0	0.0	6.0
Grange (Galway)	2012	30G02	0.0	26.0	0.0	0.0	0.0	26.0
Joyces	2012	30J01	0.0	6.0	0.0	0.0	0.0	6.0
Knockaunranny Stream	2012	30K02	0.0	3.0	0.0	0.0	0.0	3.0
Levally Stream	2012	30L07	0.0	0.0	4.0	0.0	0.0	4.0
Loughkip	2012	30L01	0.0	6.5	0.0	0.0	0.0	6.5
Lough Nacorralea Stream	2012	30L03	0.0	4.0	0.0	0.0	0.0	4.0
Nanny (Tuam)	2012	30N01	0.0	8.5	0.0	0.0	0.0	8.5
Owenbrin	2012	30O01	0.0	9.0	0.0	0.0	0.0	9.0
Owenwee (Corrib)	2012	30O03	0.0	6.0	0.0	0.0	0.0	6.0
Robe	2012	30R01	0.0	43.0	13.5	0.0	0.0	56.5
Scardaun	2012	30S04	0.0	2.5	0.0	1.0	0.0	3.5
Sinking	2012	30S01	0.0	4.8	4.8	9.0	0.0	18.5
Srahnalong	2012	30S03	0.0	4.5	0.0	0.0	0.0	4.5
Srah Stream	2012	30S02	0.0	0.0	1.5	0.0	0.0	1.5
Terryland	2012	30T01	0.0	0.0	0.0	2.5	0.0	2.5
Tullaghaun	2012	30T03	0.0	6.0	0.0	0.0	0.0	6.0
Yellow (Sinking)	2012	30Y01	0.0	9.0	0.0	0.0	0.0	9.0

Hydrometric Area 30 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Total Length (km) surveyed this cycle			37.4	280.5	92.5	30.6	0.0	441.0
Adjustments (km) (See below)*			-7.0	-17.5	-11.0	0.0	0.0	-35.5
Current Length (km) Adjusted			44.4	298.0	103.5	30.6	0.0	476.5
<i>Percentages</i>			9.3	62.5	21.7	6.4	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2010-'12	342.4	103.5	30.6	0.0	476.5
<i>Percentages</i>				71.9	21.7	6.4	0.0	100.0
Baseline: Previous Unadjusted Status (km)**			2007-'09	81.8	257.6	114.3	22.8	476.5
<i>Percentages</i>				17.2	54.1	24.0	4.8	100.0
Changes since Previous Survey (km)				-37.4	40.4	-10.8	7.8	0.0

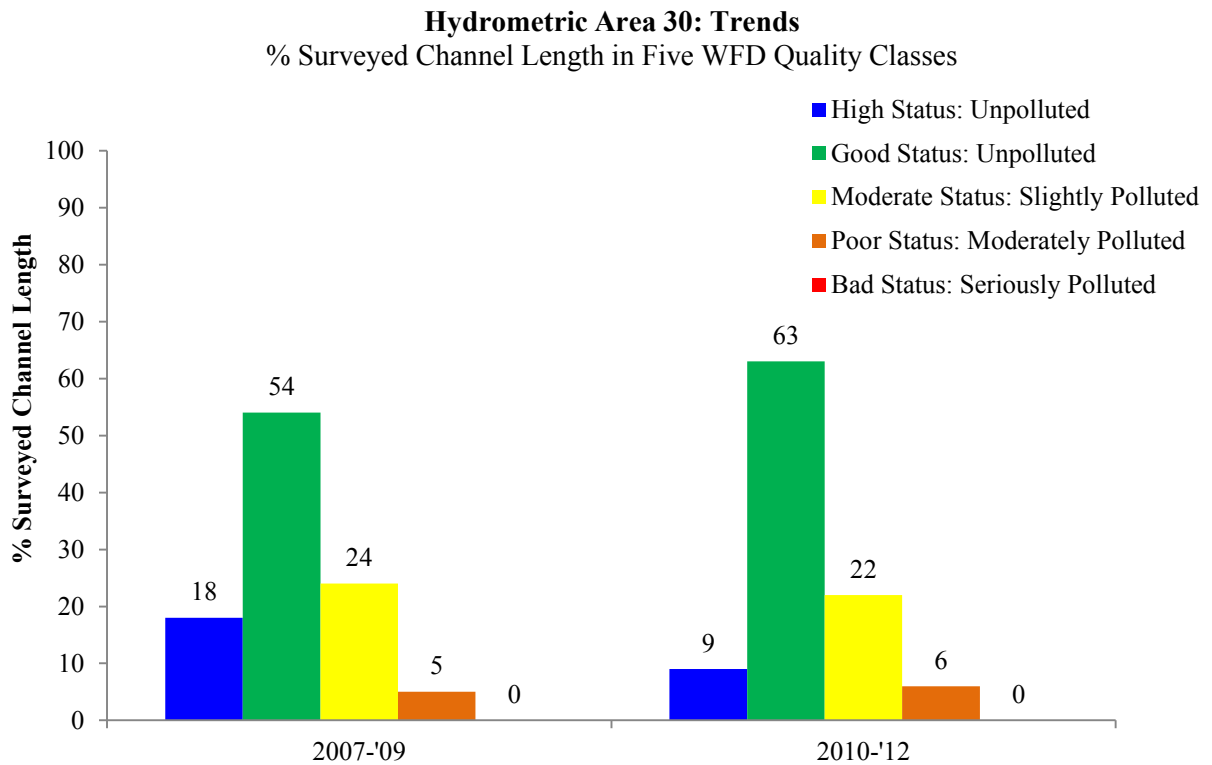
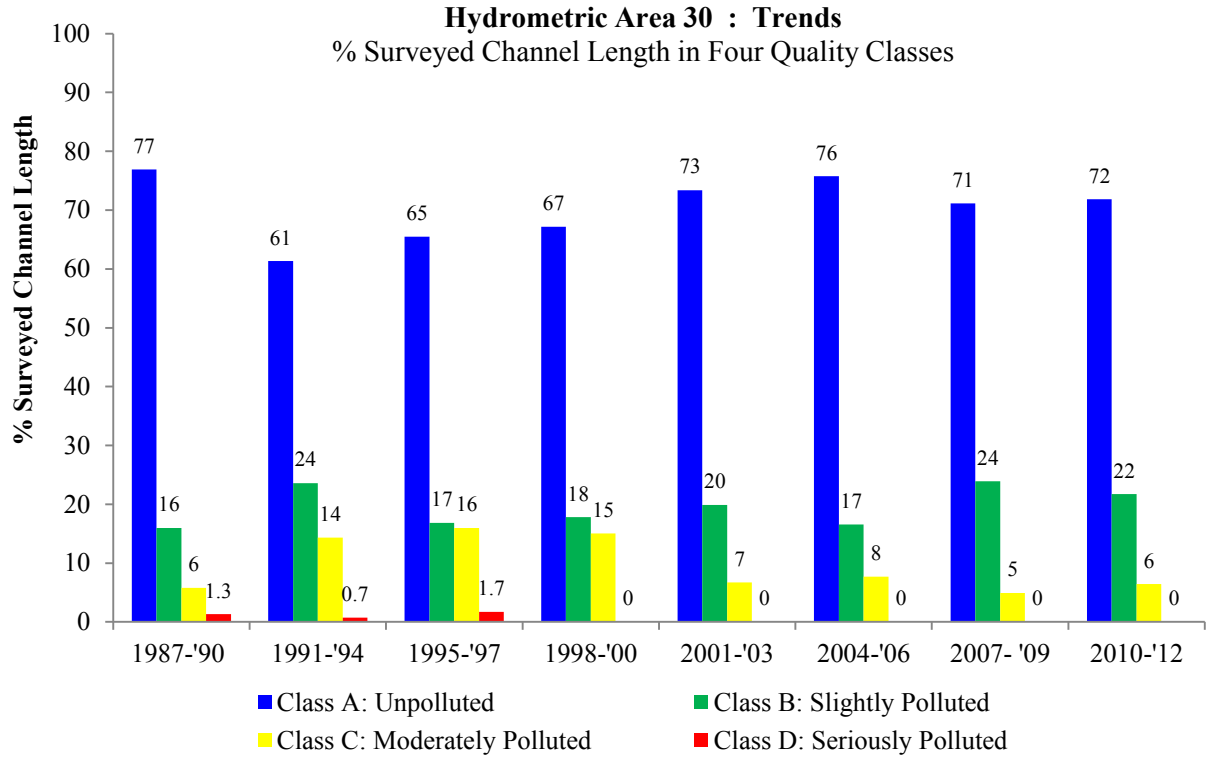
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Corrib (30C02), Cregg (30C03), Drimneen (30D03), Headford Stream (30H01) & Owenriff (Corrib) 30O03) were not surveyed in the 2010-2012 period.

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	11	4
Good	46	49
Moderate	20	30
Poor	10	9
Bad	0	0
<hr/>		
Total number of sites surveyed	87	92
Total number of sites at unsatisfactory status	30	39



HYDROMETRIC AREA 31 (Galway Bay North)	
CASHLA	31C01
CRUMLIN (GALWAY BAY)	31C02
GLENCOAGHAN	31G01
GOWLABEG	31G03
INVERMORE	31I01
KNOCK (FURBO)	31K01
KNOCKADOAGH	31K02
LOUGH NABROCKY STREAM *	31N01
LOUGHINCH	31L01
OWENBOLISKA	31O01
OWENGOWLA	31O02
OWENRIFF (SOUTH GALWAY)	31O04
OWENTOOEY	31O03
POLLEEN	31P01
RECESS	31R01
SCREEB	31S01
TOOREENACOONA	31T01

* LOUGH NABROCKY STREAM Previously reported as part of the Owengowla 31O02

River and Code : **CASHLA**
 Tributary of : Sea - Cashla Bay
 OS Grid Ref of Confluence: L 973 264
 Date(s) Surveyed: 23/10/2012

31/C/01
 OS Catchment No: 138

Station Nos.	Biological Quality Ratings (Q Values)									
	1986	1990	1994	1997	1999	2003	2006	2009	2012	
0100	4-5	4	4	4-5	4-5	4-5	4-5	4-5	4-5	

Assessment: No change - highly satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cashla Bridge	97806	226404	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	3	73	100	0	1	4	81	0	0	7	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CRUMLIN (GALWAY BAY)**

31/C/02

Tributary of : Sea - Galway Bay

OS Catchment No: 139

OS Grid Ref of Confluence: M 038 214

Date(s) Surveyed: 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2002	2006	2009	2012
0100	4	4	3-4	4	4	4	4	4	4

Assessment: Continuing satisfactory ecological conditions in this acidic Connemara river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dr Chromghlinne	103914	222241	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	25	24	100	0	0	0	89	0	0	9	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENCOAGHAN**

31/G/01

Tributary of : Ballynahinch Lough

OS Catchment No: 136

OS Grid Ref of Confluence: L 798 474

Date(s) Surveyed: 4/10/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1997	1999	2003	2006	2009	2012
0100	4-5	4-5	4	3-4	3-4	4	4

Assessment: This Ballynahinch Lough tributary maintained its satisfactory condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Derrynavglan	80151	248606	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	22	11	98	2	0	0	67	0	6	0	27

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GOWLABEG**
 Tributary of : Sea - Bertraghboy Bay
 OS Grid Ref of Confluence: L 817 392
 Date(s) Surveyed: 10/10/2012

31/G/03
 OS Catchment No: 137

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2003	2006	2009	2012
0100	4-5	4	4-5	4-5	4	4-5	4	4	4-5

Assessment: An improvement in ecological conditions was noted in October 2012 compared with October 2009 in the Gowlabeg.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S.W. of Gowla	81584	239089	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	3	9	100	0	0	0	86	0	0	0	14

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **INVERMORE**
 Tributary of : Sea - Kilkieran Bay
 OS Grid Ref of Confluence: L 899 391
 Date(s) Surveyed: 12/10/2012

31/I/01
 OS Catchment No: r4

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	1999	2003	2006	2009	2012
0080	-	4	4	4	-	-	3-4
0500	3-4	3-4	4	3-4	4	4	3-4

Assessment: A drop in Q-Value to less than satisfactory condition was noted in October 2012. The upstream site close to the forestry plantations had a thick coating of algae on the substratum and lacked some of the expected sensitive mayfly species.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	0.4 km d/s Lough Bunnahask	89990	240943	44	GY
0500	Br d/s Invermore Lough	89891	238982	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	18	11	100	0	0	26	63	0	0	10	1
0500	0	37	100	0	0	32	58	0	2	7	22

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNOCK (FURBO)**

31/K/01

Tributary of : Sea - Galway Bay

OS Catchment No: 142

OS Grid Ref of Confluence: M 184 228

Date(s) Surveyed: 5/12/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2002	2006	2009	2012
0100	-	4	3-4	3-4	4	3-4	4	-	-
0200	5	4	4	4-5	4-5	4	4-5	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Knockadrohid Bridge	115876	226684	45	GY
0200	Br at Doire Uachtair	118658	224016	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	88	6	100	0	3	10	72	0	0	5	9
0200	24	16	100	0	10	4	64	0	3	2	18

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KNOCKADOAGH**

31/K/02

Tributary of : Glenicmurran Lough

OS Catchment No: 138

OS Grid Ref of Confluence: M 005 301

Date(s) Surveyed: 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2003	2006	2009	2012
0100	4	4	4	4	4-5	4-5	4	4

Assessment: No change - satisfactory conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge N. of Knockadoagh	101058	229747	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	30	10	100	0	3	0	93	0	0	5	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGH NABROCKY STREAM** **31/N/01**
 Tributary of : 31O02 OWENGOWLA OS Catchment No: 137
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 12/10/2012

Previously reported as part of the Owengowla 31O02

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2003	2009	2012
0100	4*	4	4	4	4	4-5	4-5

Assessment: No change in this acid Connemara stream, a tributary of the Owengowla.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Loughanillaun S.	85658	240125	0	GY

River and Code : **LOUGHINCH**
 Tributary of : 31K01 KNOCK (FURBO)
 OS Grid Ref of Confluence: M 186 232
 Date(s) Surveyed: 5/12/2012

31/L/01
 OS Catchment No: 142

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0020	-	-	-	3	3-4	3-4	-	-
0100	4	4	4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br d/s Lough Inch	121344	224582	45	GY
0100	Second Br u/s Knock River	118928	224017	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	54	0	100	0	0	0	81	0	19	0	0
0100	24	7	100	0	5	0	82	0	13	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENBOLISKA**

31/O/01

Tributary of : Sea - Galway Bay

OS Catchment No: 141

OS Grid Ref of Confluence: M 127 223

Date(s) Surveyed: 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2003	2006	2009	2012
0100	4	4	3-4	4	4	-	4	-	-
0200	4	4	4	4	4-5	4-5	4	4-5	4-5

Assessment: Satisfactory ecological conditions were maintained in October 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	U/s Lough Boliska	112147	228726	45	GY
0200	Bridge in Spiddal	112742	222517	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	59	74	100	0	0	35	44	0	1	2	18
0200	9	90	100	0	1	29	49	0	4	3	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENGOWLA**
 Tributary of : Sea - Bertraghboy Bay
 OS Grid Ref of Confluence: L 811 395
 Date(s) Surveyed: 10/10/2012

31/O/02
 OS Catchment No: 137

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2003	2006	2009	2012
0300	4-5	4	4	4	4	4-5	4-5	4-5	4-5

Assessment: The Owengowla retained its highly satisfactory condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bunnahown Bridge	81826	239769	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	5	34	100	0	0	0	96	0	1	2	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENRIFF (SOUTH GALWAY)**

31/O/04

Tributary of : Sea - Galway Bay

OS Catchment No: 140

OS Grid Ref of Confluence: M 089 221

Date(s) Surveyed: 23/10/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2002	2006	2009	2012
0100	-	4	4	4	4	3-4	-	-	-
0200	-	4	-	-	-	-	-	-	-
0300	4	3	4	4	4-5	4	4	4	3-4/0

Assessment: A localised oil leak at Station 0300 is impacting the ecological condition of the river at this point.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 2.3 km d/s Loughaunnagun	108645	225318	45	GY
0200	Bridge N.W. of Caher	0	0	0	GY
0300	Br SE Knock South	108974	222678	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	61	12	100	0	0	13	67	0	0	3	17
0300	15	17	100	0	6	9	70	0	0	3	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENTOOEY**
 Tributary of : 31R01 RECESS
 OS Grid Ref of Confluence: L 870 472
 Date(s) Surveyed: 4/10/2012

31/O/03
 OS Catchment No: 136

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2003	2006	2009	2012
0100	4-5	4-5	4	4	4	4-5	4-5	3-4	4

Assessment: An improvement was noted in comparison with 2009 in the Owentooey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Tullywee Bridge	87223	247478	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	29	21	88	12	0	3	88	0	3	1	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **POLLEEN**
 Tributary of : Sea - Galway Bay
 OS Grid Ref of Confluence: M 096 220
 Date(s) Surveyed: 23/10/2012

31/P/01
 OS Catchment No: o4

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0100	4	4	4	3-4	3-4	4	4	3-4

Assessment: Unsatisfactory. This stream is marred by unsightly rubbish dumping and also lacked some of the key pollution-sensitive invertebrates expected in a fast-flowing Connemara stream such as the Polleen.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S Kilroe East	109723	222118	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	1	5	100	0	10	0	76	0	0	14	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RECESS**
 Tributary of : Sea - Bertraghboy Bay
 OS Grid Ref of Confluence: L 757 446
 Date(s) Surveyed: 4/10/2012, 10/10/2012

31/R/01
 OS Catchment No: 136

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2003	2006	2009	2012
0100	4-5	5	4	4-5	4	4	4-5	4-5	4-5
0200	4-5	4	4	4-5	-	4	4	-	-
0300	4	4	-	4-5	4	4	-	-	-
0400	-	4	4	4	-	4	-	4	4
0700	-	4	5	4	4-5	4-5	4-5	5	5

Assessment: The Recess maintained its long-term good and high ecological condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bunsconnive Bridge	93634	246316	45	GY
0200	Cloonloppeen Bridge	90343	246100	44	GY
0300	D/s Owentooey River confl	85925	247120	44	GY
0400	Weir Bridge	83359	247725	44	GY
0700	Cloonbeg Bridge	75897	246571	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	48	2	100	0	0	7	93	0	0	0	0
0200	45	15	81	19	0	3	80	0	6	9	2
0300	22	45	82	18	0	8	77	0	5	4	6
0400	19	52	82	18	0	7	75	0	7	5	6
0700	7	157	79	21	0	9	64	0	5	6	15

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SCREEB**
 Tributary of : Sea - Camus Bay
 OS Grid Ref of Confluence: L 951 383
 Date(s) Surveyed: 12/10/2012

31/S/01
 OS Catchment No: r4

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2003	2006	2009	2012
0100	-	4-5	4-5	4-5	4-5	-	-	-
0200	4-5	4-5	4	4	-	-	-	-
0400	4	-	-	-	-	-	-	-
0570	4	3-4	3-4	3-4	3-4	3-4	3-4	4

Assessment: An improvement in quality was noted in the Screeb in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Old Railway Br u/s L. Shindilla	94626	246000	45	GY
0200	Bridge u/s Lough Nahasleam	97459	244283	45	GY
0400	Bridge d/s Loughaunfree	0	0	0	GY
0570	U/s Lough Ahalia North	97356	240320	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	41	4	97	3	0	7	93	0	0	0	0
0200	40	21	61	39	0	8	77	0	0	8	8
0570	2	41	79	21	0	8	76	0	0	7	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TOOREENACOONA**

31/T/01

Tributary of : Lough Inagh

OS Catchment No: 136

OS Grid Ref of Confluence: L 825 545

Date(s) Surveyed: 4/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2003	2006	2009	2012
0200	4-5	4-5	5	4-5	4	4-5	4	4

Assessment: Satisfactory - no change compared with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge u/s Lough Inagh	82446	255514	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	22	14	56	44	0	16	74	0	0	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

WRBD: HYDROMETRIC AREA NO. 31

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Cashla	2012	31C01	4.0	0.0	0.0	0.0	0.0	4.0	
Crumlin (Galway Bay)	2012	31C02	0.0	4.0	0.0	0.0	0.0	4.0	
Glencoaghan	2012	31G01	0.0	5.5	0.0	0.0	0.0	5.5	
Gowlabeg	2012	31G03	3.5	0.0	0.0	0.0	0.0	3.5	
Invermore	2012	31I01	0.0	0.0	2.0	0.0	0.0	2.0	
Knock (Furbo)	2012	31K01	0.0	7.0	0.0	0.0	0.0	7.0	
Knockadoagh	2012	31K02	0.0	3.0	0.0	0.0	0.0	3.0	
Lough Nabrocky Stream	2012	31N01	2.0	0.0	0.0	0.0	0.0	2.0	
Owenboliska	2012	31O01	2.3	4.8	0.0	0.0	0.0	7.0	
Owengowla	2012	31O02	4.0	0.0	0.0	0.0	0.0	4.0	
Owenriff (South Galway)	2012	31O04	0.0	0.0	5.0	0.0	0.0	5.0	
Owentooley	2012	31O03	0.0	5.0	0.0	0.0	0.0	5.0	
Polleen	2012	31P01	0.0	0.0	3.0	0.0	0.0	3.0	
Recess	2012	31R01	6.6	9.0	0.0	0.0	0.0	15.5	
Screeb	2012	31S01	0.0	9.0	0.0	0.0	0.0	9.0	
Tooreenacoona	2012	31T01	0.0	7.0	0.0	0.0	0.0	7.0	
Total Length (km) surveyed this cycle			22.3	54.2	10.0	0.0	0.0	86.5	
Adjustments (km) (See below)*			0.0	-2.1	-2.5	0.0	0.0	-4.5	
Current Length (km) Adjusted			2012	22.3	56.3	12.5	0.0	0.0	91.0
Percentages				24.5	61.8	13.7	0.0	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2010-'12	78.6	12.5	0.0	0.0	91.0	
Percentages				86.3	13.7	0.0	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	18.8	63.3	9.0	0.0	0.0	91.0
Percentages				20.7	69.5	9.8	0.0	0.0	100.0
Changes since Previous Survey (km)				3.5	-7.0	3.5	0.0	0.0	0.0

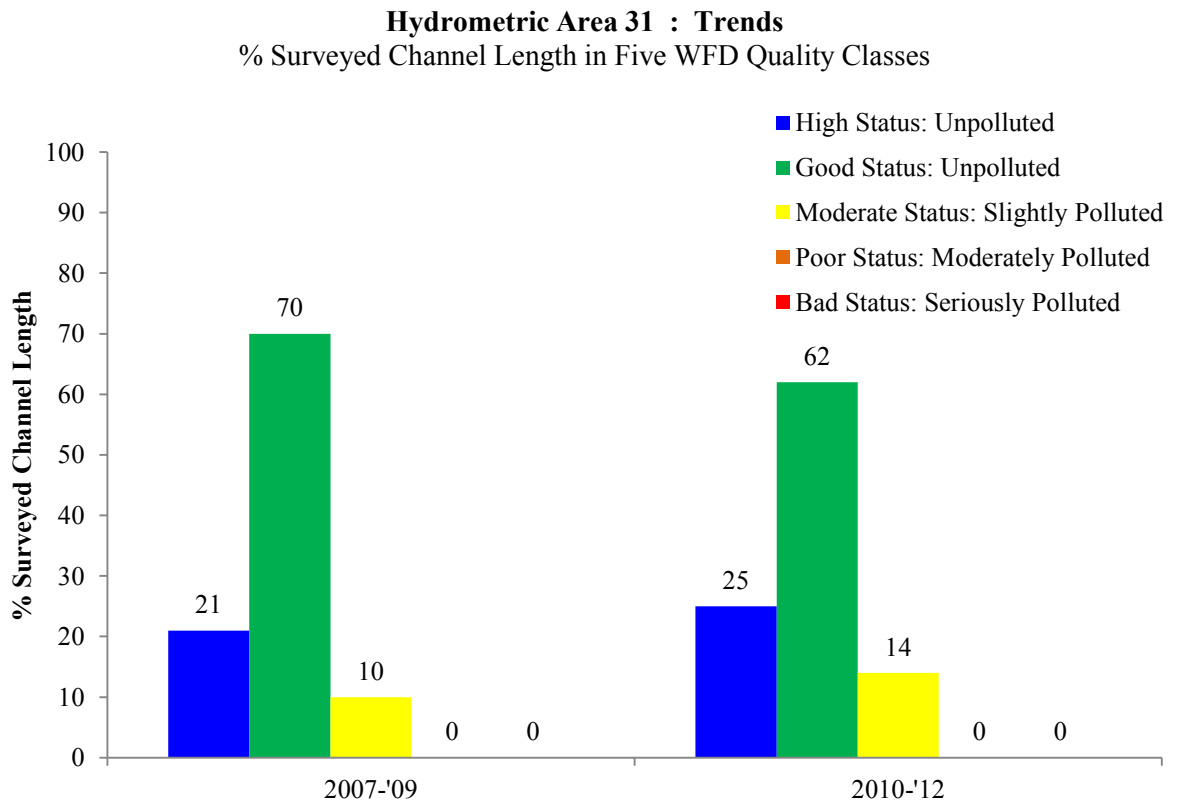
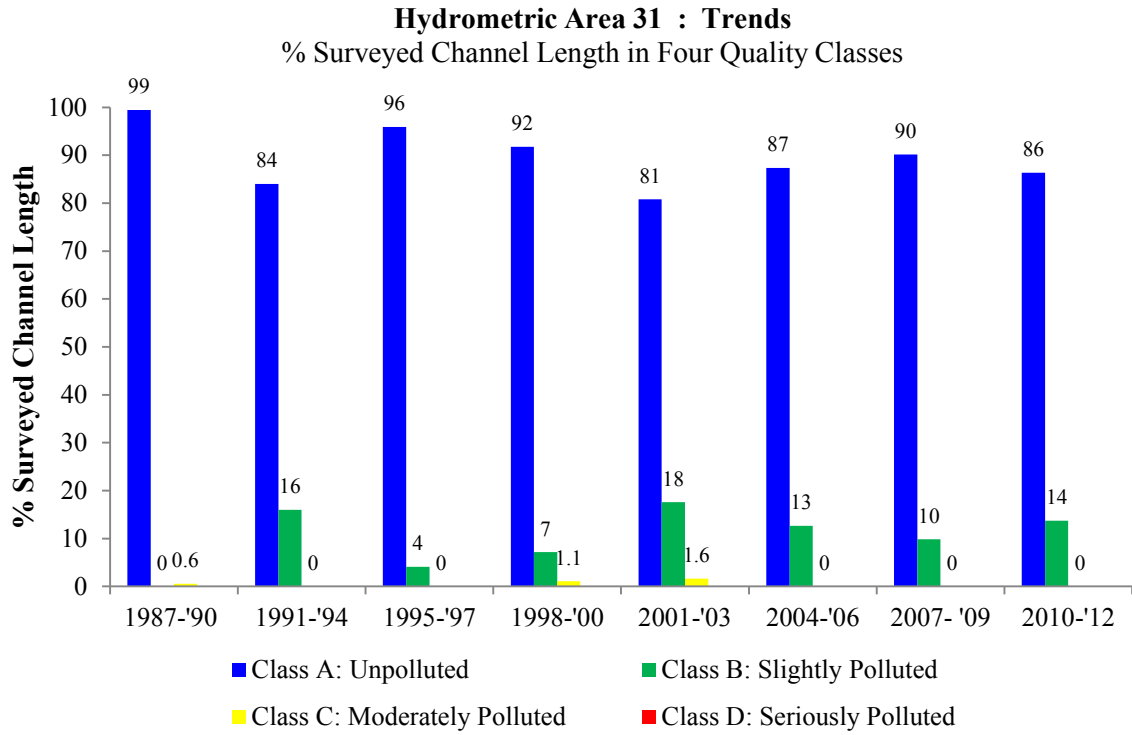
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Loughinch (31L01) was not surveyed in 2010-2012 period.

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12		
High	6	7		
Good	11	9		
Moderate	2	4		
Poor	0	0		
Bad	0	0		
Total number of sites surveyed			19	20
Total number of sites at unsatisfactory status			2	4



HYDROMETRIC AREA 32 (Errif – Clew Bay)	
ALTACONEY	32A02
BALLINABOY	32B07
BUNDORRAGHA	32B01
BUNNAHOWNA	32B02
BUNOWEN (LOUISBURGH)	32B03
CARROWBEG (WESTPORT)	32C05
CARROWNISKY	32C01
CROSS (MAYO)	32C02
CRUMPAUN	32C03
CULFIN	32C04
DAWROS	32D01
DERRYCRAFF	32D02
DERRYEHORRAUN	32D04
ERRIFF	32E01
GLAISHWY	32G12
GLENDAVOCK	32G01
GLENISLAND	32G07
GLENLAUR	32G02
GLENNAMONG	32G03
GLENUMMERA *	32G05
GOULAUN	32G06
MOYOUR	32M01
NEWPORT (MAYO)	32N01
OWENDUFF (ERRIFF)	32O08
OWENGARVE (MAYO)	32O02
OWENGLIN	32O03
OWENNABROCKAGH	32O04
OWENNADORNAUN	32O07
OWENWEE (MAYO)	32O06
SKERDAGH	32S01
SRAHMORE	32S02
STREAMSTOWN (CLIFDEN)	32S04
TRAHEEN	32T01

* GLENUMMERA Previously reported as part of the Bundorragha (32B01)

River and Code : **ALTACONEY**
 Tributary of : 32S02 SRAHMORE
 OS Grid Ref of Confluence: F 967 043
 Date(s) Surveyed: 11/7/2012

32/A/02
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2005	2009	2012
0300	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Continuing high ecological condition was observed in July 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	1.5 km d/s Goulaun River	96892	306150	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	46	23	94	6	0	25	60	0	1	2	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLINABOY**
 Tributary of : Sea: Ardbear Bay
 OS Grid Ref of Confluence: L 660 480
 Date(s) Surveyed: 9/10/2012

32/B/07
 OS Catchment No: t4

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	1999	2002	2006	2009	2012
0100	3	3	3	2-3	2-3	2-3	2-3
0300	4	3-4	4	4	4	3	3-4

Assessment: The Bellanaboy River continued to be impacted in 2012 by discharges from the fish farm located in Lough Beaghcauneen.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br. d/s L. Beaghcauneen	68093	247523	44	GY
0300	Br WSW of L. Nagilky	66764	247768	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	16	22	99	1	0	0	69	0	0	31	0
0300	12	24	99	1	0	0	71	0	1	29	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNDORRAGHA**

32/B/01

Tributary of : Sea - Killary Harbour

OS Catchment No: 130

OS Grid Ref of Confluence: L 842 632

Date(s) Surveyed: 20/7/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2006	2009	2012
0200	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: This important Killary Harbour tributary was satisfactory when surveyed in July 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge E. of Bundorragha	84182	263413	37	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	3	48	100	0	0	3	55	0	0	4	39

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNNAHOWNA**

32/B/02

Tributary of : Sea - Clew Bay

OS Catchment No: i5

OS Grid Ref of Confluence: L 855 962

Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2009	2012
0100	5	4-5	4-5	4-5	3-4	4	4	3-4

Assessment: A drop in quality was recorded in the Bunnahowna compared with 2005 and 2009. The river had surprisingly abundant algal growths and lacked the expected pollution-sensitive mayflies and stoneflies.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bunnahowna Bridge	85656	296511	30	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	23	9	66	34	0	0	100	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNOWEN (LOUISBURGH)**

32/B/03

Tributary of : Sea - Clew Bay

OS Catchment No: 127

OS Grid Ref of Confluence: L 803 818

Date(s) Surveyed: 22/8/2012, 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2006	2009	2012
0050	-	-	-	-	-	-	5	5	5	4-5
0100	5	5	5	5	5	5	4-5	4-5	4-5	4-5
0150	4-5	4-5	4	4	4	4	4	3	3-4	3-4

Assessment: The upper sites on the Bunowen (0050, 0100) retained their high status in 2012. Signs of eutrophication were again noted in the lower section upstream of Louisburgh (0150). Investigative monitoring in the catchment is required to pinpoint the source of the problem.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br N laghta Eighter	85176	275060	0	MO
0100	Tully Bridge	81965	277956	37	MO
0150	Bridge in Louisburgh	80678	280689	30	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	21	33	100	0	0	11	82	0	6	0	2
0150	5	70	100	0	8	6	68	0	13	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARROWBEG (WESTPORT)**

32/C/05

Tributary of : Sea - Westport Bay

OS Catchment No: 125

OS Grid Ref of Confluence: L 982 846

Date(s) Surveyed: 22/8/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1980	1986	1988	1990	1991	1994	1997	1999	2002	2003	2006	2009	2012
0050	4	5	-	5	5	4-5	4-5	4	4	4-5	4-5	4-5	4-5
0100	4	4	-	4-5	-	4-5	4	4	-	4	4	-	-
0200	-	4	4	3	-	-	-	-	-	-	-	-	-
0300	-	-	-	3	-	3	3	2-3	-	3-4	3	3-4	2-3

Assessment: The upper Carrowbeg (0050) maintained its high status in 2012. A significant decline in quality was noted, however, in the lower reaches downstream of Westport Town (0300) in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Cloghan Bridge	101084	279825	38	MO
0100	Cooloughra Bridge	102283	282745	31	MO
0200	Westport Bridge	99815	284473	31	MO
0300	2nd Br u/s Lake Westport Ho	99338	284501	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	30	15	86	14	0	0	49	0	27	0	24
0100	24	36	50	50	4	1	30	0	33	1	31
0300	8	43	53	47	3	2	25	3	40	1	26

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARROWNISKY**

32/C/01

Tributary of : Sea - S of Clew Bay

OS Catchment No: 128

OS Grid Ref of Confluence: L 745 765

Date(s) Surveyed: 22/8/2012, 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2006	2009	2012
0020	-	-	5	5	5	4-5	4-5	4-5	4-5	4-5
0100	4-5	5	5	4	4-5	4-5	3-4	4	-	-
0250	-	-	-	-	-	-	3-4	4	3-4	4

Assessment: High quality was observed in the upper reaches (0020) and an improvement was noted to good condition in the lower section (0250).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Glenkeen Bridge	81858	272370	37	MO
0100	Br at Srahwee	80051	274109	37	MO
0250	Ford 1.7 km u/s Roonagh Lough	76060	277405	0	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	63	6	100	0	0	0	90	0	3	0	6
0100	48	21	100	0	0	2	87	0	9	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CROSS (MAYO)** **32/C/02**
 Tributary of : 32D02 DERRYCRAFF OS Catchment No: 131
 OS Grid Ref of Confluence: L 992 723
 Date(s) Surveyed: 19/7/2012

Station Nos.	Biological Quality Ratings (Q Values)					
	1990	1994	2002	2006	2009	2012
0100	5	4	4	4	4	4

Assessment: The Cross is a large tributary of the Derrycraff and Erriff system - it was in a satisfactory condition in July 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Derrinkee Bridge	100530	272273	0	MO

River and Code : **CRUMPAUN**
 Tributary of : Beltra Lough
 OS Grid Ref of Confluence: M 082 998
 Date(s) Surveyed: 10/7/2012

32/C/03
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2005	2009	2012
0050	4	4	4-5	3-4	4-5	4	4	4-5	-	4
0150	5	5	5	4	4-5	4	4	4-5	4-5	4

Assessment: Satisfactory at both sites surveyed in 2012 although a drop in quality was noted at both in comparison with 2005 and 2009 results.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge at Bogadoon	106742	306774	23	MO
0150	N. of Lough Beltra	109004	301432	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	45	12	92	8	0	13	50	0	26	0	11
0150	30	58	70	30	0	12	62	0	16	0	10

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CULFIN**
 Tributary of : Sea - near Killary Harbour
 OS Grid Ref of Confluence: L 747 636
 Date(s) Surveyed: 30/8/2012

32/C/04

OS Catchment No: 132

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2006	2009	2012
0020	-	-	5	4-5	4	4	4	-	4	4
0040	-	-	4	4	4	4	4	4	4	3-4
0200	5	5	4	4	4	4-5	4-5	4	4	4

Assessment: The Culfin drains Lough Fee and Lough Muck. The condition of the middle section between these two lakes dropped in 2012. A fish farm close to the outflow of Lough Fee may be responsible in part at least for this decline in quality. Investigative monitoring is required.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Owenduff Bridge	81021	259611	37	GY
0040	Between L Fee and L Muck	77868	262129	37	GY
0200	Br NW of Townacarra	75045	263473	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	52	6	100	0	0	18	55	0	0	0	27
0040	47	16	100	0	0	7	65	0	0	11	17
0200	2	21	100	0	1	5	69	0	0	9	16

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DAWROS**
 Tributary of : Sea - Ballynakill Harbour
 OS Grid Ref of Confluence: L 701 598
 Date(s) Surveyed: 9/10/2012, 30/8/2012

32/D/01
 OS Catchment No: 133

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2006	2009	2012
0020	-	-	5	4-5	5	4-5	4-5	3	3-4	4
0060	-	-	-	-	-	-	4	-	-	-
0080	-	-	-	-	-	-	4-5	-	-	-
0100	5	5	5	4-5	3-4	4-5	5	-	4-5	4-5
0200	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5*	4-5

Assessment: An improvement was noted in the upper Dawros above Kylemore Lough. High ecological condition was recorded in the two lower sites downstream of the lakes and the Kylemore Abbey centre.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Ford u/s Kylemore Lough	80028	257445	37	GY
0060	Br d/s Pollacappul Lough	74684	258285	0	GY
0080	D/s L. Maladrolaun	74134	258600	0	GY
0100	Tullywee Bridge	72917	258490	37	GY
0200	Dawros Bridge	70180	259745	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	39	9	68	32	0	10	54	0	0	0	37
0100	20	40	72	28	0	10	68	0	2	4	17
0200	4	53	76	24	0	7	72	0	3	3	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERRYCRAFF**
 Tributary of : 32E01 ERRIFF
 OS Grid Ref of Confluence: L 976 707
 Date(s) Surveyed: 19/7/2012

32/D/02
 OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	1999	2002	2006	2009	2012
0100	-	5	5	4	4-5	4	4	4	-	4
0150	4-5	5	-	4	4	4	3-4	3-4	4	4

Assessment: Both sites were satisfactory - good ecological condition - on this Erriff River (qv) tributary. Extensive quarries have been a pressure in this catchment in the past.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW Tullywee L.	101522	273525	38	MO
0150	Br u/s Erriff R confluence	97850	270547	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	47	9	63	37	4	8	86	0	2	0	1
0150	34	48	86	14	1	6	78	0	8	1	5

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DERRYEHORRAUN**

32/D/04

Tributary of : Sea - Ardbear Bay

OS Catchment No: t4

OS Grid Ref of Confluence: L 659 490

Date(s) Surveyed: 9/10/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0200	4-5	4	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: The Derryehorraun continued to be in satisfactory condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Just u/s Salt Lough	67132	249373	44	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	12	12	54	46	0	3	76	0	16	5	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ERRIFF**
 Tributary of : Sea - Killary Harbour
 OS Grid Ref of Confluence: L 894 643
 Date(s) Surveyed: 9/10/2012, 19/7/2012

32/E/01

OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2006	2009	2012
0030	-	-	5	4-5	4-5	4-5	4-5	4	4	4-5
0100	5	5	5	4	4-5	4-5	4-5	4	4	4
0200	5	5	5	4-5	4-5	4-5	4-5	4-5	4	4
0300	5	5	5	4-5	4	4	4	4	4	4

Assessment: The Erriff showed an improvement at the upper site (0030) but little other changes compared with the 2009 survey. While ecological condition is generally good overall it is not as high as it has been in the past (e.g. up to 2002). There are significant forestry issues in the catchment (nutrient losses from clear-felling of plantations on peat soils such as upstream of Tawnyard Lough), and overgrazing pressure is still an issue in the lower reaches.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	The Wooden Br (W of Cregganmore)	91536	274307	37	MO
0100	Srahlea Bridge	97646	271169	38	MO
0200	Erriff Bridge	96087	268311	38	MO
0300	Aasleagh Bridge	89485	264549	37	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	78	15	100	0	2	4	67	0	0	2	24
0100	36	56	100	0	1	2	74	0	14	1	9
0200	29	116	94	6	1	5	76	0	11	1	7
0300	8	166	95	5	1	6	75	0	9	1	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLAISHWY**
 Tributary of : Lough Beltra
 OS Grid Ref of Confluence: M 050 960
 Date(s) Surveyed: 10/7/2012

32/G/12
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)									
	2000	2001	2002	2003	2004	2005	2006	2007	2009	2012
0050	-	-	-	-	3	-	-	-	-	-
0100	3	3	3-4	3-4	4	3-4	3	4	4	3-4

Assessment: A disappointing decline in quality was noted in 2012. The macroinvertebrate community had deteriorated apparently in response to an extensive siltation event - red-brown iron rich silt coated the river bed. Forestry operations are the main suspected cause.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	1km u/s Glaishtwy Br	104924	295050	31	MO
0100	Glaishtwy Bridge	105015	296043	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	31	5	83	17	0	11	41	0	0	0	49

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENDAVOCK**

32/G/01

Tributary of : Tawnyard Lough

OS Catchment No: 131

OS Grid Ref of Confluence: L 908 674

Date(s) Surveyed: 20/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0090	-	-	-	-	-	-	-	4
0100	5	3-4	4	4	4	4	4	3-4

Assessment: A decline in quality was noted at Station 0100 in comparison with 2009. The site had extensive filamentous algal cover which was regarded as a departure from reference conditions for this type of upland river. Extensive recent clear-felling may be in part responsible. A new investigative site upstream of the forestry impact was added (0090). Previously the catchment upstream of Station 0090 had also been noted for extensive sheep overgrazing impacts. While in good ecological condition it had a low number of species. The Glendavock feeds into Tawnyard Lough and the Errif River (qv). Investigative monitoring of the algal communities will be undertaken.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	1.4km u/s Tawnyard Lough	89618	267311	37	MO
0100	0.85 km u/s Tawnyard Lough	90038	267626	37	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	68	7	100	0	0	12	33	0	0	0	54

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENISLAND**
 Tributary of : Beltra Lough
 OS Grid Ref of Confluence: M 072 972
 Date(s) Surveyed: 10/7/2012

32/G/07
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2009	2012
0300	5	4	4-5	4-5	4-5	4	4-5	4-5

Assessment: Continuing highly satisfactory in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge u/s Lough Beltra	107304	296716	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	20	14	100	0	0	31	47	0	15	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENLAUR**
 Tributary of : 32E01 ERRIFF
 OS Grid Ref of Confluence: L 948 713
 Date(s) Surveyed: 20/7/2012

32/G/02
 OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0200	5	4-5	5	4-5	4-5	4-5	4-5	4-5

Assessment: The Glenlaur maintained its long term high ecological quality in 2012. This is a consistently high quality river - a tributary of the Erriff (qv) - and requires special protection and attention in order to maintain this high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	400 m d/s Sheefry Bridge	92072	269298	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	90	6	100	0	0	0	94	0	3	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENNAMONG**
 Tributary of : Lough Feeagh
 OS Grid Ref of Confluence: F 957 018
 Date(s) Surveyed: 11/7/2012

32/G/03
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2009	2012
0100	4-5	3-4	4	3-4	4	4	4	3-4

Assessment: The Glennamong, a tributary of L. Feeagh, showed a decline in condition in 2012 compared with the two previous assessments in 2009 and 2005. This is disappointing as the acidification impacts from the forestry plantations in the catchment appeared to have ameliorated. None of the classic sensitive taxa were found in 2012 although it still retained a significant number of the stonefly *Leuctra*. The upstream catchment has been the subject of a research project aimed at reducing the amount of silt and nutrients coming from clear-felling operations for forestry plantations on deep peat.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Lough Feeagh	94735	302444	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	24	14	100	0	0	32	63	0	0	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENUMMERA** **32/G/05**
 Tributary of : 32B01 BUNDORRAGHA OS Catchment No: 130
 OS Grid Ref of Confluence: L 845 650
 Date(s) Surveyed: 20/7/2012

Previously reported as part of the Bundorragha (32B01)

Station Nos.	Biological Quality Ratings (Q Values)			
	2002	2006	2009	2012
0010	5	5	5	4-5
0070	4-5	4-5	4-5	4-5

Assessment: High ecological condition was observed at both Glenummera sites surveyed in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	N of Glendavock (w of 88m bmark)	88486	268260	0	
0070	1km u/s Doo Lough	85340	267585	0	

River and Code : **GOULAUN**
 Tributary of : 32S02 SRAHMORE
 OS Grid Ref of Confluence: F 967 070
 Date(s) Surveyed: 11/7/2012

32/G/06
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2005	2009	2012
0090	-	-	-	-	-	-	-	3	-	-
0100	5	4-5	5	4	4	4	3/0	3-4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Second Br d/s Bunaveela Lough	98590	307978	23	MO
0100	1.4 km d/s Bunaveela Lough	98226	307834	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	96	8	94	6	0	5	70	0	4	6	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MOYOUR**
 Tributary of : Sea - Clew Bay
 OS Grid Ref of Confluence: L 943 876
 Date(s) Surveyed: 9/8/2012

32/M/01
 OS Catchment No: 124

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0100	4	3*	3	3	3-4	3	4	4
0400	3-4	4	3	3	4	3	-	-
0700	4	4-5	4	4	4	3-4	4	4

Assessment: Satisfactory conditions were maintained at both sites surveyed on the Moyour in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SW of Slinaun	102985	288802	31	MO
0400	Br S of Lugnafahy	101317	288984	31	MO
0700	Moyour Bridge	96641	287896	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	21	4	36	64	4	0	40	0	42	0	14
0400	16	30	35	65	9	0	7	1	46	2	36
0700	5	43	25	75	12	0	5	0	36	2	44

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **NEWPORT (MAYO)**

32/N/01

Tributary of : Sea - Newport Bay

OS Catchment No: 108

OS Grid Ref of Confluence: L 977 941

Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2005	2009	2012
0020	-	-	-	-	-	-	-	-	4	4
0050	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	4-5
0190	4-5	5	4-5	4-5	4-5	4-5	4-5	4	4B	4-5

Assessment: The upper site on the Newport is lake-influenced - phytoplankton in the outflowing water results in filter feeding communities at such sites. The river is of high quality in the mid to lower reaches (0050 and 0190). No signs of brackish influence were noticed on this sampling occasion at the lower site which is just upstream of Newport Town.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br 1.25km d/s Lough Beltra	104300	297305	31	MO
0050	4.5 km u/s Br in Newport	101220	295342	31	MO
0190	400 m u/s Newport Bridge	98815	293847	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	11	141	63	37	0	12	55	0	17	3	13
0190	2	147	61	39	0	11	55	0	17	3	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENDUFF (ERRIFF)** **32/O/08**
 Tributary of : 32E01 ERRIFF OS Catchment No: 131
 OS Grid Ref of Confluence: L 951 678
 Date(s) Surveyed: 19/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0100	4-5	4	4	4	4-5	4-5	4	4

Assessment: This outflow from Tawnyard Lough maintained its good ecological condition in 2012 with perhaps a slight improvement on 2009. The Glendavock (qv) river tributary of Tawnyard Lough shows signs of eutrophication due to nutrients released clear-felling in the upper catchment and thus, an assessment of the lake and catchment as a whole is warranted to ensure that this important Erriff River (qv) tributary retains or improves its status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge d/s Tawnyard Lough	92782	267499	38	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	65	12	100	0	0	15	35	0	6	6	38

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENGARVE (MAYO)**

32/O/02

Tributary of : Sea - Clew Bay

OS Catchment No: i5

OS Grid Ref of Confluence: L 882 961

Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1990	1994	1997	1999	2002	2005	2006	2009	2012
0100	5	4-5	3	4	4	3-4	3-4	3	3-4	3
0200	4-5	4-5	4	4	3-4	4	3-4	4	3-4	3

Assessment: Poor ecological condition was again recorded at both sites on the Owengarve. A worrying drop in the number of macroinvertebrate taxa was also noted. The catchment pressures are primarily forestry and sheep grazing. The upper site is particularly silted. The drop in the number of species (down from 16 in 2009 to 11 taxa in 2012), while not as drastic as seen in some Donegal rivers of similar type, may indicate an additional pressure of pour-on sheep dips such as cypermethrin which is particularly toxic to aquatic organisms.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NNE Carheenbrack Lough	91166	297901	30	MO
0200	Rosgalliv Br.	88653	296317	30	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	48	12	90	10	0	16	73	0	0	0	10
0200	7	29	67	32	0	7	82	0	2	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENGLIN**
 Tributary of : Sea - Clifden Bay
 OS Grid Ref of Confluence: L 658 506
 Date(s) Surveyed: 9/10/2012, 30/8/2012

32/O/03
 OS Catchment No: 135

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	1999	2002	2006	2009	2012
0100	-	5	5	4	4	4-5	4-5	4	4
0300	4	4	5	4	4	4	4	4	4

Assessment: The upper site on the Owenglin (0100) has substantial growths of filamentous algae suggesting a significant nutrient input to this upland stretch. The catchment is heavily forested in the upper reaches. Satisfactory conditions were noted at both sites including 0300 in Clifden town.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	N. of Barnanoraun	74401	251236	37	GY
0300	Br at S.E. end of Clifden	66057	250392	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	92	15	91	9	0	6	72	0	0	0	22
0300	10	37	91	9	0	6	71	2	6	1	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNABROCKAGH**

32/O/04

Tributary of : Sea - Newport Bay

OS Catchment No: 109

OS Grid Ref of Confluence: L 973 901

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0250	-	4	-	4	4-5	4	4	4-5
0380	-	4-5	4	4	4-5	4	-	-
0500	4-5	4	4	4	4	4	4	4-5

Assessment: Continuing high quality at both sites surveyed in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Br NE Derrintloura	106081	291958	31	MO
0380	Brockagh Bridge	101565	290723	31	MO
0500	Knocknaboley Bridge	98061	289842	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0250	58	8	100	0	0	5	51	0	31	0	12
0380	20	17	80	20	3	6	43	0	20	0	28
0500	2	20	69	31	6	5	37	0	19	0	32

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNADORNAUN** **32/O/07**
 Tributary of : Sea - South of Clew Bay OS Catchment No: 129
 OS Grid Ref of Confluence: L 740 713
 Date(s) Surveyed: 28/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0100	4	4	4	3-4	4	3	3-4	4

Assessment: A distinct improvement was noted in August 2012 compared with the previous two surveys. The Owennadornaun is a Clew Bay tributary draining the northwest flank of Mweelrea mountain. The catchment has some forestry, grassland and upland bog/moorland.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S. of Killary Lodge	75945	270245	37	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	39	8	100	0	0	17	65	0	10	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (MAYO)**

32/O/06

Tributary of : Sea - Westport Bay

OS Catchment No: 126

OS Grid Ref of Confluence: L 958 824

Date(s) Surveyed: 10/10/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1990	1994	1997	1999	2003	2006	2009	2012	
0200	4-5	4-5	4	4-5	4	3/0	4	4	4	
0600	4-5	4-5	4	4-5	4-5	3-4	4	4	4	

Assessment: Maintaining good condition at both sites.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge S. of Brackloon	97275	279172	38	MO
0600	Belclare Bridge	95958	282153	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	80	19	100	0	2	7	67	0	9	2	12
0600	10	46	100	0	4	9	51	0	24	2	10

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SKERDAGH**
 Tributary of : 32N01 NEWPORT (MAYO)
 OS Grid Ref of Confluence: M 034 965
 Date(s) Surveyed: 10/7/2012

32/S/01
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)									
	1990	1994	1997	1999	2001	2005	2006	2009	2012	
0300	5	4	4-5	4-5	4-5	4	4-5	4	4-5	

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Knockmoyle Bridge	102692	297588	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	30	20	74	26	0	17	51	0	7	0	25

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SRAHMORE**
 Tributary of : Lough Feeagh
 OS Grid Ref of Confluence: F 965 022
 Date(s) Surveyed: 11/7/2012

32/S/02
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)					
	1990	1994	1997	2005	2009	2012
0100	4	4	4	4	4	4

Assessment: Satisfactory - no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Lough Feeagh	96311	302860	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	2	45	95	5	0	29	51	0	1	1	17

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **STREAMSTOWN (CLIFDEN)** **32/S/04**
 Tributary of : Sea - Streamstown Bay OS Catchment No: u4
 OS Grid Ref of Confluence: L 645 532
 Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2006	2009	2012
0200	4	4	4-5	4	4-5	4-5	4-5	4-5

Assessment: Continuing high ecological condition in the Streamstown River - a tributary of Streamstown Bay north of Clifden.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge SW of Glenbrickeen	64642	253141	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	13	14	98	2	9	8	71	0	0	2	9

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TRAHEEN** **32/T/01**
 Tributary of : Sea - Ballynakill Harbour OS Catchment No: 134
 OS Grid Ref of Confluence: L 687 571
 Date(s) Surveyed: 30/8/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2006	2009	2012
0100	4-5	5	5	4-5	4	4-5	4-5	4-5	4-5

Assessment: The Traheen River continues to be in satisfactory condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Traheen Bridge	68756	256850	37	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	3	6	79	21	0	16	63	0	8	0	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

WRBD: HYDROMETRIC AREA NO. 32

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Altaconey	2012	32A02	6.0	0.0	0.0	0.0	0.0	6.0
Ballinaboy	2012	32B07	0.0	0.0	1.9	2.1	0.0	4.0
Bundorragha	2012	32B01	9.5	0.0	0.0	0.0	0.0	9.5
Bunnahowna	2012	32B02	0.0	0.0	4.0	0.0	0.0	4.0
Bunowen (Louisburg)	2012	32B03	15.0	0.0	2.0	0.0	0.0	17.0
Carrowbeg (Westport)	2012	32C05	7.7	3.8	0.0	1.0	0.0	12.5
Carrowniskey	2012	32C01	6.5	10.5	0.0	0.0	0.0	17.0
Cross (Mayo)	2012	32C02	0.0	6.0	0.0	0.0	0.0	6.0
Crumpaun	2012	32C03	0.0	12.0	0.0	0.0	0.0	12.0
Culfin	2012	32C04	0.0	3.1	1.4	0.0	0.0	4.5
Dawros	2012	32D01	5.3	7.3	0.0	0.0	0.0	12.5
Derrycraff	2012	32D02	0.0	7.0	0.0	0.0	0.0	7.0
Derryehorraun	2012	32D04	2.0	0.0	0.0	0.0	0.0	2.0
Erriff	2012	32E01	14.7	13.3	0.0	0.0	0.0	28.0
Glendavock	2012	32G01	0.0	2.0	1.0	0.0	0.0	3.0
Glenisland	2012	32G07	5.0	0.0	0.0	0.0	0.0	5.0
Glenlaur	2012	32G02	5.0	0.0	0.0	0.0	0.0	5.0
Glenamong	2012	32G03	0.0	0.0	4.5	0.0	0.0	4.5
Goulaun	2012	32G06	0.0	3.5	0.0	0.0	0.0	3.5
Moyour	2012	32M01	0.0	11.0	0.0	0.0	0.0	11.0
Newport (Mayo)	2012	32N01	7.2	2.8	0.0	0.0	0.0	10.0
Owenduff (Erriff)	2012	32O08	0.0	3.5	0.0	0.0	0.0	3.5
Owengarve (Mayo)	2012	32O02	0.0	0.0	0.0	7.5	0.0	7.5
Owenglin	2012	32O03	0.0	15.0	0.0	0.0	0.0	15.0
Owennabrockagh	2012	32O04	14.0	0.0	0.0	0.0	0.0	14.0
Owennadornaun	2012	32O07	0.0	5.0	0.0	0.0	0.0	5.0
Owenwee (Mayo)	2012	32O06	0.0	13.0	0.0	0.0	0.0	13.0
Skerdagh	2012	32S01	10.0	0.0	0.0	0.0	0.0	10.0
Srahmore	2012	32S02	0.0	2.0	0.0	0.0	0.0	2.0
Streamstown (Clifden)	2012	32S04	2.5	0.0	0.0	0.0	0.0	2.5
Traheen	2012	32T01	6.0	0.0	0.0	0.0	0.0	6.0
Total Length (km) surveyed this cycle			116.4	120.8	14.8	10.6	0.0	262.5
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Current Length (km) Adjusted			116.4	120.8	14.8	10.6	0.0	262.5
Percentages			44.3	46.0	5.6	4.0	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Adjusted Status (km)			2010-'12	237.1	14.8	10.6	0.0	262.5
<i>Percentages</i>				90.3	5.6	4.0	0.0	100.0
Baseline: Previous Unadjusted Status (km)**			2007-'09	83.2	151.1	24.2	4.0	262.5
<i>Percentages</i>				31.7	57.6	9.2	1.5	100.0
Changes since Previous Survey (km)				33.2	-30.4	-9.4	6.6	0.0

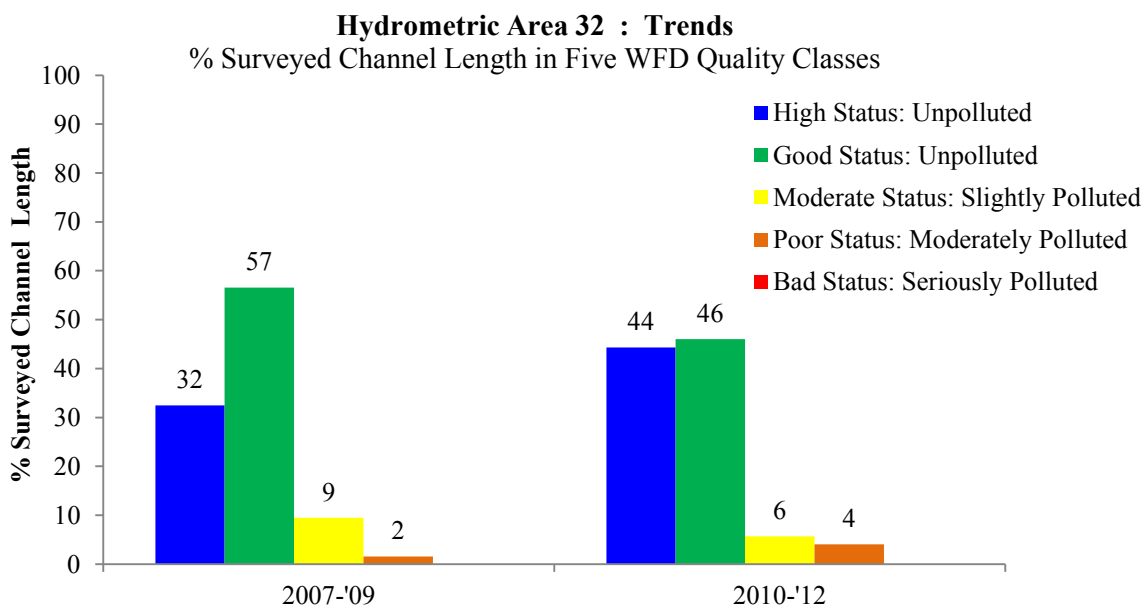
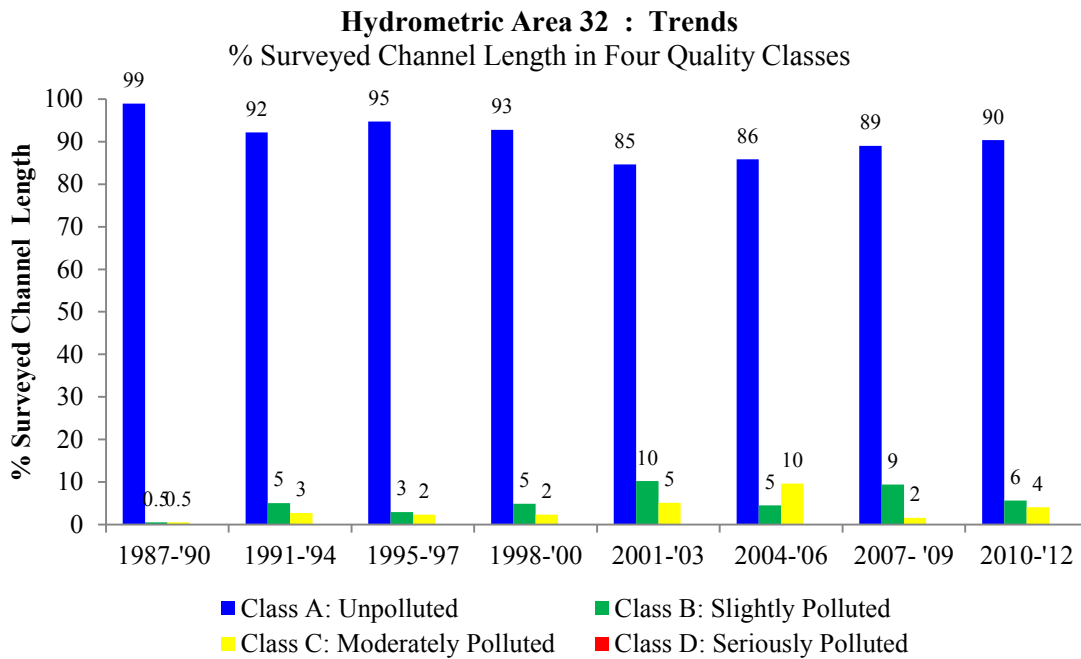
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	16	21
Good	28	23
Moderate	7	7
Poor	2	4
Bad	0	0
<hr/>		
Total number of sites surveyed	53	55
Total number of sites at unsatisfactory status	9	11



HYDROMETRIC AREA 33 (Blacksod – Blackhaven: Balance of Survey)	
ALTNABROCKY	33A02
BARROOSKY	33B08
BELDERG	33B02
BELLANABOY	33B07
CLOONALAGHAN	33C01
CLOONEEN (MAYO)	33C03
GLENAMOY	33G01
GLENCASTLE	33G08
GLENGLASSERA	33G05
GORTMORE STREAM (MAYO)	33G04
GWEEDANEY	33G06
MUING	33M01
MUINGNABO	33M02

River and Code : **ALTNABROCKY** **33/A/02**
 Tributary of : 33O04 OWENMORE (MAYO) OS Catchment No: 105
 OS Grid Ref of Confluence: F 980 198
 Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	5	4-5	4-5	4-5	4-5	4	4	4-5

Assessment: An improvement was noted in the quality of this Owenmore River (qv) tributary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Just u/s Owenmore River confl	96895	319813	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	74	33	34	66	0	15	34	0	0	0	52

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BARROOSKY**
Tributary of : 33G01 GLENAMOY
OS Grid Ref of Confluence: F 929 333
Date(s) Surveyed: 18/7/2012

33/B/08
OS Catchment No: 100

Station Nos.	Biological Quality Ratings (Q Values)			
	2002	2005	2008	2012
0400	4-5	4-5	4-5	4-5

Assessment: The Barroosky maintained its high ecological condition in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	0.3km u/s Glenamoy (end of road)	93087	333218	23	MO

River and Code : **BELDERG**
 Tributary of : Sea - Belderg Harbour
 OS Grid Ref of Confluence: F 993 414
 Date(s) Surveyed: 7/8/2012

33/B/02
 OS Catchment No: 99

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0200	4-5	4	4	4	3-4	4	4	4
0300	4	-	-	-	-	-	-	-

Assessment: Satisfactory - no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge in Belderg	99124	339459	23	MO
0300	W. of Raheen (at T-junction)	98992	340546	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	14	15	100	0	8	6	71	0	0	3	12

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BELLANABOY**
 Tributary of : Carrowmore Lake
 OS Grid Ref of Confluence: F 849 304
 Date(s) Surveyed: 18/7/2012

33/B/07
 OS Catchment No: 105

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	4-5	-	-	-	-	-	-	-
0200	4-5	4	4	4-5	4	4	4	4

Assessment: This important Carrowmore Lake tributary continued to be in satisfactory condition with no significant change since the last survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bellanaboy Bridge	85725	332185	23	MO
0200	Bridge u/s Carrowmore Lake	85742	331675	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	10	20	97	3	5	7	57	0	7	0	25

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONALAGHAN**

33/C/01

Tributary of : Sea - Lacken Bay

OS Catchment No: 103

OS Grid Ref of Confluence: G 189 366

Date(s) Surveyed: 7/8/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1989	1990	1994	1997	1999	2002	2005	2008	2012
0300	-	4-5	4	5	4-5	4	4	-	-
0700	4	2-3	3	4	2-3	4	4	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge S.E. of Billoos X-Rds	114732	333565	23	MO
0700	Bridge S.E. of Carrowmore	117059	334260	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	57	4	0	100	19	16	59	0	1	0	4
0700	11	13	0	100	60	6	19	0	8	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONEEN (MAYO)** 33/C/03
 Tributary of : Sea - Moyrahan Bay OS Catchment No: k5
 OS Grid Ref of Confluence: F 706 355
 Date(s) Surveyed: 18/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0025	-	-	-	-	-	3	-	-
0050	3/0	3/0	3	3	3	3B	3	3-4

Assessment: An improvement was noted in comparison with the 2008 survey but ecological conditions were not yet satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0025	Br S Clooneen (N Branch)	68890	336588	22	MO
0050	W of Bartrauve (nr road fork)	70294	335940	22	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	3	13	100	0	25	0	63	0	11	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENAMOY**
 Tributary of : Sea - Sruwaddacon Bay
 OS Grid Ref of Confluence: F 870 360
 Date(s) Surveyed: 7/8/2012

33/G/01
 OS Catchment No: 100

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	1999	2002	2005	2008	2012
0020	-	-	-	-	-	-	4-5	4	4-5	4-5
0050	4-5	4-5	4-5	3-4*	4-5	4-5	4	4-5	4-5	4-5
0100	5	4-5	4-5	3-4*	4-5	4-5	4-5	4	4	4-5

Assessment: All sites surveyed were of high ecological quality with an improvement noted at Glenamoy Bridge in particular.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br N Glencarly	96418	334745	23	
0050	Bridge S.E. of Bunalty	92013	333569	23	MO
0100	Glenamoy Bridge	89357	333799	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	13	51	85	15	11	12	59	0	1	0	17
0100	5	81	90	10	10	10	62	0	2	0	16

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENCASTLE**
 Tributary of : Sea - Trawmore Bay
 OS Grid Ref of Confluence: F 750 290
 Date(s) Surveyed: 18/7/2012

33/G/08
 OS Catchment No: k5

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0200	-	4-5	3-4	4	3-4	3	4	4
0300	4-5	-	-	-	-	-	-	-
0500	4	3	4	4	4	4	4	4

Assessment: No change with both sites retaining good ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Glencastle Br.	78259	326970	22	MO
0300	Glencastle Bridge	77317	327650	22	MO
0500	Bridge S. of Bunnahowen	75404	328466	22	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	53	5	98	2	0	0	93	0	0	0	7
0500	6	10	99	1	24	0	68	4	1	0	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENGLOSSERA**

33/G/05

Tributary of : Sea - Glenloss Point

OS Catchment No: m5

OS Grid Ref of Confluence: G 024 416

Date(s) Surveyed: 7/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Satisfactory - no change in comparison with 2008.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br near Glenlossera Lodge	102266	341155	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	20	10	63	37	0	6	84	0	0	0	10

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GORTMORE STREAM (MAYO)** 33/G/04
 Tributary of : Sea - Bunatrahir Bay OS Catchment No: n5
 OS Grid Ref of Confluence: G 108 400
 Date(s) Surveyed: 7/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0500	5	-	-	-	-	-	-	-
0800	4	4	3-4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Bridge W of Crott	112342	337800	23	MO
0800	Bridge W. of Gortmore	111008	339455	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	6	16	0	100	53	1	30	0	16	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GWEEDANEY**
 Tributary of : Sea - Broad Haven
 OS Grid Ref of Confluence: F 850 391
 Date(s) Surveyed: 18/7/2012

33/G/06
 OS Catchment No: 15

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	4	3	3-4	4	3	3	3-4	4
0200	4	-	-	-	-	-	-	-

Assessment: A further improvement to satisfactory condition was noted in 2012. The river appears to be gradually recovering from damage done by overgrazing pressures in the past.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Curraunboy	85339	340568	23	MO
0200	Br SE of Curraunboy	84973	339413	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	15	4	100	0	0	0	100	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MUING** **33/M/01**
 Tributary of : 33O04 OWENMORE (MAYO) OS Catchment No: 105
 OS Grid Ref of Confluence: F 971 199
 Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	4	3-4	3-4	3-4	3-4	3-4	3-4	4

Assessment: This Owenmore tributary showed a welcome improvement in quality in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Just u/s Owenmore River	97063	319984	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	72	19	0	100	0	12	65	0	0	3	20

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MUINGNABO**
 Tributary of :
 OS Grid Ref of Confluence: F 870 358
 Date(s) Surveyed: 18/7/2012

33/M/02
 OS Catchment No: 98

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2002	2005	2008	2012
0100	4-5	-	-	-	-	-	4	-
0140	-	-	-	-	3-4	-	-	4B
0150	-	4	3-4	4	-	4B	-	-

Assessment: Access to the upper site sampled in 2008 was not possible in 2012. The site upstream of Annie Brady Bridge showed some signs of salt intrusion but was in good ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	2km u/s Annie Bradys Br	88760	338488	23	MO
0140	0.6km u/s Annie Brady's Bridge	88167	337613	23	MO
0150	0.3 km u/s Annie Brady Bridge	87839	337375	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	2	36	100	0	5	5	70	0	1	0	19

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

WRBD: HYDROMETRIC AREA NO. 33

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes:- A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Altnabrocky	2012	33A02	11.0	0.0	0.0	0.0	0.0	11.0	
Ballingen	2011	33B01	9.5	1.5	0.0	0.0	0.0	11.0	
Barroosky	2012	33B08	1.0	0.0	0.0	0.0	0.0	1.0	
Belderg	2012	33B02	0.0	6.0	0.0	0.0	0.0	6.0	
Bellagarvaun	2011	33B04	0.0	1.0	0.0	0.0	0.0	1.0	
Bellanaboy	2012	33B07	0.0	7.0	0.0	0.0	0.0	7.0	
Bunanioo	2011	33B09	0.0	3.0	0.0	0.0	0.0	3.0	
Cartron	2011	33C02	0.0	3.5	0.0	0.0	0.0	3.5	
Cloonalaghan	2012	33C01	0.0	8.0	0.0	0.0	0.0	8.0	
Clooneen (Mayo)	2012	33C03	0.0	0.0	3.0	0.0	0.0	3.0	
Dooega	2011	33D01	0.0	1.0	0.0	0.0	0.0	1.0	
Doolough Stream	2011	33D02	0.0	0.0	0.0	1.0	0.0	1.0	
Glenamoy	2012	33G01	16.0	0.0	0.0	0.0	0.0	16.0	
Glencastle	2012	33G08	0.0	6.0	0.0	0.0	0.0	6.0	
Glencullin (N Mayo)	2011	33G02	2.0	3.0	0.0	0.0	0.0	5.0	
Glencullin (W Mayo)	2011	33G03	0.0	9.0	0.0	0.0	0.0	9.0	
Glenglassera	2012	33G05	3.0	0.0	0.0	0.0	0.0	3.0	
Gortmore Stream (Mayo)	2012	33G04	0.0	7.0	0.0	0.0	0.0	7.0	
Gweedaney	2012	33G06	0.0	3.0	0.0	0.0	0.0	3.0	
Keerglen	2011	33K01	5.0	0.0	0.0	0.0	0.0	5.0	
Muing	2012	33M01	0.0	4.0	0.0	0.0	0.0	4.0	
Muingnabo	2012	33M02	0.0	9.0	0.0	0.0	0.0	9.0	
Muingnakee (no distances)	2011	33M04	0.0	0.0	0.0	0.0	0.0	0.0	
Munhin	2011	33M03	0.0	3.5	0.0	0.0	0.0	3.5	
Owenduff (Blacksod)	2011	33O01	17.3	8.3	0.0	0.0	0.0	25.5	
Owenmore (Mayo)	2011	33O04	22.2	19.9	0.0	0.0	0.0	42.0	
Sheskin Stream	2011	33S03	6.0	0.0	0.0	0.0	0.0	6.0	
Srahduggan Stream	2011	33S05	0.0	5.0	0.0	0.0	0.0	5.0	
Tarsaghaunmore	2011	33T01	0.0	10.0	0.0	0.0	0.0	10.0	
Total Length (km) surveyed this cycle			92.9	118.6	3.0	1.0	0.0	215.5	
Adjustments (km) (See below)*			2011/12	0.0	0.0	0.0	0.0	0.0	
Current adjusted length (km)			92.9	118.6	3.0	1.0	0.0	215.5	
Percentages			43.1	55.0	1.4	0.5	0.0	100.0	
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)				211.5	3.0	1.0	0.0	215.5	
Percentages				98.1	1.4	0.5	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**				2007-'09	74.0	129.5	7.0	5.0	215.5
Percentages				34.3	60.1	3.2	2.3	100.0	
Changes since Previous Survey (km)				18.9	-10.9	-4.0	-4.0	0.0	

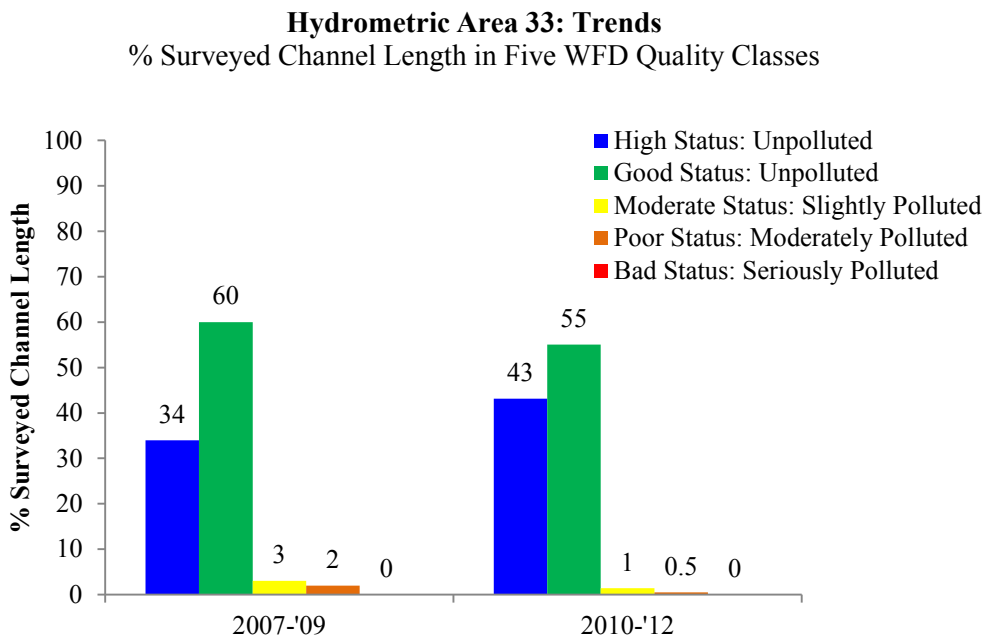
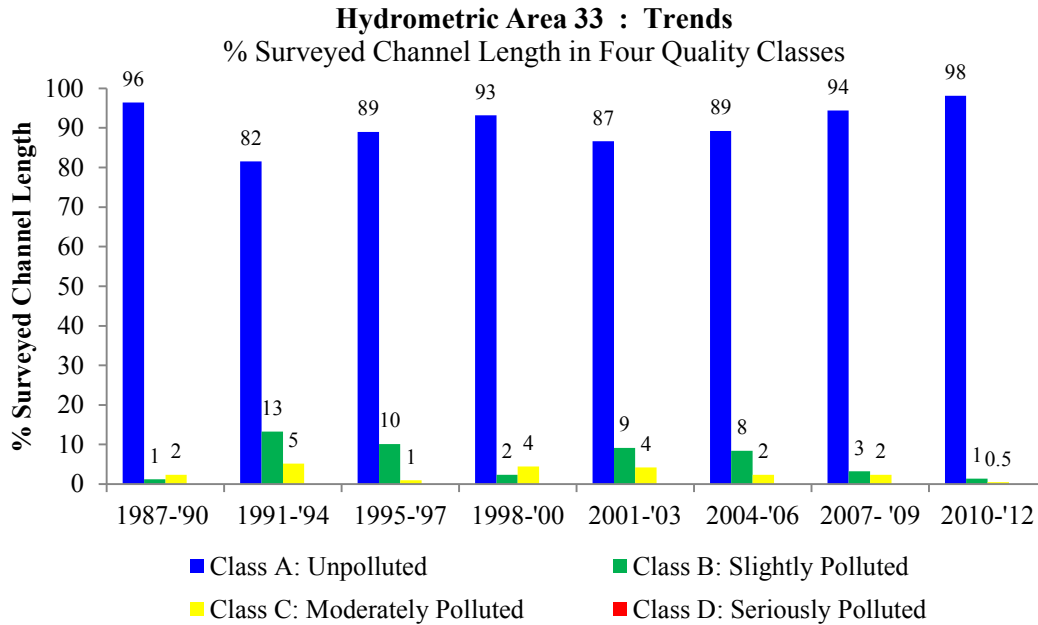
* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2008	2011/12
High	10	16
Good	26	25
Moderate	2	1
poor	3	1
bad	0	0
<hr/>		
Total number of sites surveyed	41	43
Total number of sites at unsatisfactory status	5	2



HYDROMETRIC AREA 35 (Sligo Bay & Drowse)	
BALLYMOTE STREAM	35B04
BALLYSDARE	35B05
BONET	35B06
BRACKARY	35B10
BRADOGUE	35B07
BUNCROWEY	35B09
BUNNANADDAN STREAM	35B08
CASHEL STREAM (BONET)	35C03
CLOONEEN (SLIGO)	35C01
DIFFREEN	35D01
DOONBEAKIN	35D09
DOONFLIN	35D10
DOUGLAS (SLIGO)	35D02
DROWES	35D03
DRUMCLIFF	35D04
DRUMFIN	35D11
DUFF	35D05
DUNMORAN	35D16
DUNNEILL	35D06
EASKY	35E01
FINNED	35F01
GARAVOGUE	35G01
GLENANIFF	35G02
GOWLAN (SLIGO)	35G03
GRANGE (SLIGO)	35G04
KILLANUMMERY	35K03
KILLORAN LOUGH STREAM	35K02
LUGDOON STREAM	35L01
OWENBEG (COOLANEY)	35O01
OWENMORE (MANORHAMILTON)	35O08
OWENMORE (SLIGO)	35O06
SHANVAUS	35S01
TULLINWILLIN STREAM	35T03
UNSHIN	35U01
WILLSBOROUGH STREAM	35W01

River and Code : **BALLYMOTE STREAM**

35/B/04

Tributary of : 35O06 OWENMORE (SLIGO)

OS Catchment No: 116

OS Grid Ref of Confluence: G 657 132

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1979	1980	1984	1986	1990	1994	1997	2000	2003	2006	2009	2012
0040	-	-	-	-	2-3	4	3-4	3	4	3	-	-
0100	1	2	1	3-4	3	4	4	3	4	4	4	4

Assessment: Satisfactory ecological conditions were maintained in the Ballymote Stream in August 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Ballymote: Br S.E. of Church	166606	315530	25	SO
0100	Br NW Woodfield	166163	314621	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	65	11	0	100	95	0	0	0	5	0	0
0100	60	15	0	100	87	0	2	4	8	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BALLYSODARE**

35/B/05

Tributary of : Sea - Ballysodare Bay

OS Catchment No: 116

OS Grid Ref of Confluence: G 667 296

Date(s) Surveyed: 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1977	1979	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	5	5	5	5	4	4-5	4	4-5	4-5	4-5	4-5	4-5

Assessment: The Ballysodare is formed by the confluence of two large rivers, the Unshin and the Owenmore, and is an important salmon river. High ecological condition was maintained in 2012, characterised by high diversity of macroinvertebrate fauna and presence of pollution sensitive taxa.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballysodare Bridge	166847	329027	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	12	640	14	86	54	6	12	0	17	3	8

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BONET**

35/B/06

Tributary of : Lough Gill

OS Catchment No: 117

OS Grid Ref of Confluence: G 782 335

Date(s) Surveyed: 12/8/2012, 13/12/2012, 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	-	5	5	4-5	5	5	5	5	5
0050	-	-	-	4	4-5	4	4-5	4-5	4	4-5	4	4	4
0100	-	5	4-5	4-5	4-5	4-5	5	4-5	4-5	4-5	5	4-5	4-5
0200	5	5	4-5	4	4	5	4-5	4	4	4	4	4	4
0400	5	5	4-5	4-5	4	4-5	4-5	4	4-5	4	4	4	4
0500	5	5	5	5	3	4-5	4-5	4	4	4-5	4-5	4	4
0600	5	5	4-5	4	4	4	4	4	4-5	4	4	4	4
0625	-	-	-	-	-	-	-	-	-	-	-	-	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Bonet in 2012, including downstream of the new Dromahair WWTP (0625). The river flows from Glenade Lake to Lough Gill.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Bridge u/s Glenade Lough	182231	347144	16	LM
0050	Bridge 1.5 km d/s Glenade L	184026	344768	16	LM
0100	New Bridge	186973	341274	16	LM
0200	Bridge d/s Owenmore River	187132	338978	16	LM
0400	Bridge at Gortgarrigan	184846	333896	26	LM
0500	Bellanamore Bridge	181855	330229	26	LM
0600	1.8 km d/s Dromahaire Bridge	179801	331722	25	LM
0625	1km d/s Dromahair WWTP	179357	331831	25	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	94	5	0	100	0	0	91	0	2	0	8
0050	61	20	0	100	15	2	55	0	7	4	18
0100	45	47	5	95	18	2	56	0	11	2	11
0200	38	106	13	87	26	6	37	0	17	1	12
0400	30	165	18	82	25	6	36	0	20	1	12
0500	22	219	17	83	24	7	30	0	29	1	10
0600	9	265	14	86	22	8	26	0	34	1	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BRACKARY** **35/B/10**
 Tributary of : 35O08 OWENMORE (MANORHAMILTON) OS Catchment No: 117
 OS Grid Ref of Confluence: G 885 395
 Date(s) Surveyed: 18/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4-5	4-5	4-5	4-5	4	4-5
0500	3-4	3-4	3	4	4	4	4	4

Assessment: A welcome return to highly satisfactory ecological conditions was noted in the upper Brackary (0200) in 2012, while satisfactory conditions have been maintained downstream (0500), above the confluence with the Owenmore River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge nr Curraghfore School	188890	341262	16	LM
0500	Bridge u/s Owenmore River	188379	339387	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	108	5	64	36	27	0	18	0	41	0	14
0500	41	51	9	91	26	11	24	1	24	1	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BRADOGE**
 Tributary of : Sea - Donegal Bay
 OS Grid Ref of Confluence: G 818 588
 Date(s) Surveyed: 11/8/2012

35/B/07

OS Catchment No: 122

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0060	-	-	3	3-4	3-4	3	4	4	4	4
0150	-	-	-	-	-	-	-	4	-	-
0200	3-4	4	4	4	3-4	3-4	2-3	2-3	3-4	3-4

Assessment: The macroinvertebrate fauna indicated satisfactory ecological conditions at the upper station (0060) of the Bradoge in 2012 while unsatisfactory conditions prevailed at the lower site in Bundoran (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Bridge N. of Cornaglah	188430	357407	16	LM
0150	Bradoge Bridge	183290	358679	16	LM
0200	U/s Bridge in Bundoran	181864	358807	16	DL

River and Code : **BUNCROWEY**
 Tributary of : 35E01 EASKY
 OS Grid Ref of Confluence: G 402 317
 Date(s) Surveyed: 9/8/2012

35/B/09
 OS Catchment No: 114

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	3	3	3	3	4	3-4	3-4	3-4
0500	5	-	5	4-5	-	3-4	3-4	4-5

Assessment: Although the upper site (0100) of the Buncrowley River remained in unsatisfactory ecological condition in 2012, there was a remarkable improvement in condition at the lower site (0500). River enhancement works appear to have contributed to the improvement to high ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br near Old Shooting Lodge	144088	327180	24	SO
0500	Br u/s confluence with Easky R.	140534	331031	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	190	6	100	0	0	0	78	0	0	0	22
0500	76	19	48	52	9	0	68	0	0	0	24

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNNANADDAN STREAM**

35/B/08

Tributary of : Cloonacleigha Lough

OS Catchment No: 116

OS Grid Ref of Confluence: G 607 145

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1979	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4	4	4	3-4	4	3	3	3	3

Assessment: The dominance of pollution tolerant species continues to indicate unsatisfactory conditions on the spring-fed Bunnanaddan in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ford N.W. of Bunnanaddan	160045	312072	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	60	8	0	100	89	0	1	0	6	0	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CASHEL STREAM (BONET)**

35/C/03

Tributary of : 35B06 BONET

OS Catchment No: 117

OS Grid Ref of Confluence: G 822 304

Date(s) Surveyed: 14/12/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0700	-	4-5	4-5	4-5	4	n/s	-	-
1000	-	-	-	-	4	4	4	4

Assessment: Despite heavy floods, satisfactory ecological conditions were recorded at both sites sampled on the Cashel Stream (Bonet) in 2012. High quality was maintained on the upper Cashel (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge W. of Corratimore	184966	327185	26	LM
0700	Br. SE of Glebe	185906	329569	26	LM
1000	Br u/s Camoge Br	182373	330227	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	76	4	0	100	0	26	3	0	70	0	2
0700	61	12	0	100	9	14	2	0	74	0	1

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLOONEEN (SLIGO)** **35/C/01**
 Tributary of : 35O06 OWENMORE (SLIGO) OS Catchment No: 116
 OS Grid Ref of Confluence: G 652 136
 Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0500	4	4	4	4	3-4	4	4	3-4
0600	5	3	4	3-4	4	4	4-5	4-5

Assessment: A disappointing drop to unsatisfactory ecological condition was noted at station 0500 on the Clooneen (Sligo) site in 2012. In contrast, the downstream site (0600) has maintained its highly satisfactory condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br SW Ardminnan (nr school)	163690	310048	25	SO
0600	Br SE Aughris	164862	313260	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	60	36	0	100	60	2	26	0	4	0	8
0600	57	48	0	100	64	1	22	0	6	0	6

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DIFFREEN**
 Tributary of : Glencar Lake
 OS Grid Ref of Confluence: G 763 431
 Date(s) Surveyed: 11/8/2012

35/D/01
 OS Catchment No: 119

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	5	5	5	5	4-5	4	3	4	4

Assessment: Satisfactory ecological conditions have been maintained on the Diffreen, a tributary of Glencar Lake, in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Glencar Lake	177621	342400	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	42	18	0	100	8	0	24	0	46	0	23

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOONBEAKIN**
 Tributary of : 35D06 DUNNEILL
 OS Grid Ref of Confluence: G 438 342
 Date(s) Surveyed: 8/8/2012

35/D/09
 OS Catchment No: 115

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4	4-5	4-5	4	4	-	-
0400	4	-	4	4-5	4	4	3-4	3-4

Assessment: Unsatisfactory ecological conditions continue to be a feature of the Doonbeakin in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge S. of Doonbeakin	145053	330768	24	SO
0400	Ford u/s Dunneill River	143811	334000	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	105	2	39	61	45	0	38	0	0	0	18
0400	23	8	9	91	74	0	19	0	0	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOONFLIN**
 Tributary of : Sea - S. of Aughris Head
 OS Grid Ref of Confluence: G 506 360
 Date(s) Surveyed: 8/8/2012

35/D/10
 OS Catchment No: u5

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4-5	4	4-5	4-5	4-5	4	-	-
0600	2-3	4	4	4	4	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate good ecological conditions on the Doonflin in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge near Doonflin Lower	150785	332460	25	SO
0600	S.E. of Aughris	150511	335842	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	56	6	66	34	54	0	40	0	6	0	0
0600	7	11	35	65	69	0	21	0	10	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DOUGLAS (SLIGO)**

35/D/02

Tributary of : 35U01 UNSHIN

OS Catchment No: 116

OS Grid Ref of Confluence: G 732 208

Date(s) Surveyed: 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
1400	3-4	4-5	4-5	4-5	4	3-4	3-4	3-4

Assessment: Unsatisfactory ecological conditions prevail in the Douglas River in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1400	Riverstown: North Bridge	174313	320493	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1400	47	31	0	100	17	11	8	0	63	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DROWES**
 Tributary of : Sea - Donegal Bay
 OS Grid Ref of Confluence: G 792 583
 Date(s) Surveyed: 11/10/2012

35/D/03

OS Catchment No: 121

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	4	4-5	4	4	3-4	4-5	4	4	4	4
0200	5	5	4-5	4	4	4	4	4	4	-	-

Assessment: Ecological condition remains satisfactory in the Drowes, tributary of Lough Melvin, in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Lennox's Bridge	181843	357276	16	LM
0200	Bundrowes Bridge	179241	358300	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	7	106	0	100	14	3	32	0	19	17	16
0200	3	117	0	100	16	2	29	0	20	15	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMCLIFF**
 Tributary of : Sea - Drumcliff Bay
 OS Grid Ref of Confluence: G 674 423
 Date(s) Surveyed: 11/8/2012

35/D/04
 OS Catchment No: 119

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0250	5	4-5	4	4-5	3-4	3	3	3-4
0400	4	4	4	4-5	4	4	4	4

Assessment: The Drumcliff River flows from Glencar lake, and as a result is lake-influenced. Ecological conditions remain unsatisfactory at the upper station (0250), approximately 2.5km downstream of the lake outflow. The lower station (0400) continues to achieve satisfactory condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Collinsford Bridge	171062	342018	16	SO
0400	Ford 500 m u/s Drumcliff Br	167912	342188	16	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0250	13	50	0	100	16	2	37	0	25	2	18
0400	8	61	0	100	26	1	32	0	23	2	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DRUMFIN**
 Tributary of : 35U01 UNSHIN
 OS Grid Ref of Confluence: G 714 208
 Date(s) Surveyed: 10/8/2012

35/D/11
 OS Catchment No: 116

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0500	4	4	4	4-5	4	3-4	-	-
0800	4	4	4	4	4	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate good ecological conditions on the Drumfin, a River Unshin tributary in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Bridge N. of Kingsbrook	171776	317829	25	SO
0800	Closkeybeg Bridge	171426	320488	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	52	20	0	100	65	0	19	0	9	0	7
0800	45	23	0	100	67	2	17	0	7	0	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUFF**

35/D/05

Tributary of : Sea - Donegal Bay

OS Catchment No: 120

OS Grid Ref of Confluence: G 752 578

Date(s) Surveyed: 11/8/2012, 12/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	5	5	4-5	4-5	4-5
0100	5	4-5	5	4-5	4	4-5	4-5	-	-	4-5
0250	-	-	-	-	-	4-5	4	4-5	4-5	4-5
0400	5	4-5	5	5	4-5	4-5	4	4	4	4

Assessment: The macroinvertebrate fauna continue to indicate satisfactory ecological conditions at all stations on the Duff in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br E of Cloontyprughlish	179056	348081	16	LM
0100	Conway Bridge	179289	351138	16	LM
0250	Brocky Bridge	175221	353206	16	LM
0400	Bunduff Bridge	175463	356848	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	102	4	0	100	0	8	62	0	0	0	29
0100	48	19	0	100	0	2	28	0	28	0	43
0250	33	48	0	100	16	1	40	0	19	0	25
0400	20	85	0	100	17	4	43	0	15	0	20

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUNMORAN**
 Tributary of : Sea - Sligo Bay
 OS Grid Ref of Confluence: G 522 355
 Date(s) Surveyed: 8/8/2012

35/D/16
 OS Catchment No: u5

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
1000	4	4-5	4	4-5	4-5	4-5	4-5	3-4*
1400	4-5	4	4-5	4-5	4	4	4	4

Assessment: An unwelcome drop to unsatisfactory ecological condition was recorded at station 1000 on the Dunmoran in 2012. Upstream land reclamation appears to have contributed to the heavy siltation noted at the site. Satisfactory condition is maintained further downstream at Ardnaglass Bridge (station 1400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1000	Br WNW Longford Demesne	155096	330598	25	SO
1400	Ardnaglass Bridge	153100	334286	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1000	30	7	63	37	20	0	54	0	13	0	14
1400	10	29	34	66	45	7	28	0	17	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUNNEILL**
 Tributary of : Sea - Sligo Bay
 OS Grid Ref of Confluence: G 440 352
 Date(s) Surveyed: 8/8/2012, 9/8/2012

35/D/06

OS Catchment No: 115

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	-	-	-	5	5	4-5	4-5	4-5	4-5	4-5
0100	5	5	5	5	4-5	5	5	4-5	4-5	4-5
0200	4-5	4-5	5	4-5	4	5	4-5	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Dunneill in 2012. High quality was maintained at the upper two sites (0050 and 0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br E Water Treatment Works	144492	329228	24	SO
0100	Br NE Dunneill	143741	332461	24	SO
0200	Donaghintraine Bridge	143850	334381	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	133	10	89	11	6	0	83	0	0	0	12
0100	68	12	73	27	14	0	71	0	5	0	10
0200	16	24	40	60	46	0	43	0	4	0	7

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **EASKY**
 Tributary of : Sea - W. of Sligo Bay
 OS Grid Ref of Confluence: G 379 386
 Date(s) Surveyed: 8/8/2012, 9/8/2012

35/E/01
 OS Catchment No: 114

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	4-5	4	4	4-5	4-5	3-4	4	4	4
0020	-	5	5	5	4-5	4-5	4	4	4	4
0100	5	5	4-5	5	4-5	4-5	4	4-5	4	4-5
0200	4-5	5	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Macroinvertebrate fauna continue to indicate satisfactory ecological conditions at all stations on the Easky River in 2012. High quality was recorded at both sites on the lower Easky (0100 and 0200). The Easky River is an important salmon angling river and Lough Easky is a major water supply source. The Easky catchment is a particularly sensitive one and great care is needed with agricultural land clearance, fertiliser and slurry spreading as with clear felling and tree planting activities in order to protect this important aquatic resource as well as the catchment's wider biodiversity.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Trasgarve d/s Lough Easky	144514	325070	24	SO
0020	Bridge u/s Gowlan River	139322	326605	24	SO
0100	Bridge at Camcuill	139976	333226	24	SO
0200	Easky Bridge	137557	337782	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	172	12	100	0	0	0	87	0	0	10	3
0020	93	34	81	19	1	0	75	0	0	3	20
0100	50	89	51	49	7	1	72	0	1	1	17
0200	10	99	46	54	13	2	66	0	2	1	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FINNED**
 Tributary of : Sea - W. of Sligo Bay
 OS Grid Ref of Confluence: G 350 386
 Date(s) Surveyed: 8/8/2012, 9/8/2012

35/F/01

OS Catchment No: 113

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0200	4-5	4-5	-	4	4-5	3	4	4	-	-
0300	4-5	4-5	4	4	4	4	4	4	4	4

Assessment: Overall satisfactory ecological condition has been maintained on the Finned in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E.N.E. of Rathmacurkey	136984	330873	24	SO
0200	Bridge S. of Ballycummin	137035	333995	24	SO
0300	Finned Bridge	134962	337941	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	72	7	0	100	14	0	86	0	0	0	0
0200	45	12	0	100	30	1	66	0	3	0	0
0300	17	16	0	100	43	1	48	0	7	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GARAVOGUE**
 Tributary of : Sea - Sligo Bay
 OS Grid Ref of Confluence: G 692 362
 Date(s) Surveyed: 11/8/2012

35/G/01
 OS Catchment No: 117

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1986	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4	4	4	4	4	4	4	4	4-5	4-5	4	4

Assessment: Ecological conditions remained satisfactory at The Mall in Sligo town in 2012. Domestic rubbish is an unsightly feature of the site, both instream and on the banks.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Sligo: The Mall	169442	335968	16	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	8	369	19	80	24	8	24	1	27	5	12

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENANIFF**
 Tributary of : Lough Melvin
 OS Grid Ref of Confluence: G 922 500
 Date(s) Surveyed: 12/8/2012

35/G/02
 OS Catchment No: 121

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Ecological conditions have remained unchanged in this Lough Melvin tributary for over twenty years, with high quality achieved again in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge u/s Lough Melvin	192043	349681	17	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	25	27	0	100	19	1	72	0	3	0	5

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GOWLAN (SLIGO)**

35/G/03

Tributary of : 35E01 EASKY

OS Catchment No: 114

OS Grid Ref of Confluence: G 390 272

Date(s) Surveyed: 9/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	4-5	5	4-5	4	4	4-5

Assessment: Ecological conditions have remained satisfactory in the Gowlan (Sligo) River for over twenty years. The Gowlan is an Easky tributary draining a catchment which has a substantial amount of limestone bedrock. It has much harder water than the upper Easky and Buncrowey rivers and has a naturally more diverse fauna.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford u/s Easky River confl	138828	326554	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	101	18	46	54	1	4	90	0	0	0	4

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GRANGE (SLIGO)**
 Tributary of : Sea - S. of Connor's Island
 OS Grid Ref of Confluence: G 648 495
 Date(s) Surveyed: 11/8/2012

35/G/04

OS Catchment No: x5

Station Nos.	Biological Quality Ratings (Q Values)										
	1980	1982	1986	1990	1994	1997	2000	2003	2006	2009	2012
0080	-	-	-	5	4-5	5	5	4-5	4-5	4-5	4-5
0200	3-4	4	4	4	4	4-5	4	4	4	4	3-4

Assessment: Although the upper site of the Grange River (0080) remains in highly satisfactory ecological condition, an unwelcome drop to unsatisfactory condition was recorded at the site downstream of Grange village (0200). Evidence of domestic sewage was noted in the river at this location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Lukes Bridge	169769	347329	16	SO
0200	Ford N Cloontyprocklis	165069	349516	16	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	172	3	0	100	0	0	65	0	0	0	35
0200	8	33	0	100	31	3	35	1	15	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILLANUMMERY**

35/K/03

Tributary of : 35B06 BONET

OS Catchment No: 117

OS Grid Ref of Confluence: G 806 303

Date(s) Surveyed: 14/12/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	-	4	3-4	4	3-4	4	-	-
0600	4-5	4-5	4	4-5	4	4	4	-
0900	4-5	4-5	4-5	4-5	4	4-5	4-5	4-5

Assessment: Despite heavy floods, highly satisfactory ecological conditions were recorded on the Killanummery in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge N of Garvagh Glebe	183760	325154	26	LM
0600	Bridge S.S.W. of Killanummery	180169	328218	26	LM
0900	Bridge u/s Bonet River confl	180598	330247	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	161	4	0	100	0	33	7	0	13	0	47
0600	36	25	0	100	4	16	17	0	44	0	20
0900	20	44	0	100	12	9	10	0	57	0	11

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KILLORAN LOUGH STREAM** **35/K/02**
 Tributary of : 35O06 OWENMORE (SLIGO) OS Catchment No: 116
 OS Grid Ref of Confluence: G 636 225
 Date(s) Surveyed: 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0500	-	-	-	4	4	4	-	-
1000	4	4-5	4	4	3-4	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions on the Killoran Lough Stream in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br N Rathgran	160670	322652	25	SO
1000	Bridge u/s Owenmore River	163620	322589	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	80	2	0	100	99	0	0	0	1	0	0
1000	51	10	0	100	76	4	0	0	15	0	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LUGDOON STREAM** **35/L/01**
 Tributary of : Sea - Sligo Bay OS Catchment No: u5
 OS Grid Ref of Confluence: G 462 341
 Date(s) Surveyed: 8/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4-5	4	4-5	4-5	4	3	3-4	3-4

Assessment: Overall ecological condition remains unsatisfactory in the Lugdoon in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge E. of Fort Villa	146191	334004	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	10	11	48	52	56	0	37	0	6	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENBEG (COOLANEY)**

35/O/01

Tributary of : 35O06 OWENMORE (SLIGO)

OS Catchment No: 116

OS Grid Ref of Confluence: G 656 251

Date(s) Surveyed: 8/8/2012, 10/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1990	1994	1997	2000	2003	2006	2009	2012
0030	-	-	4	4-5	4	4-5	4-5	4	4	4
0070	-	-	-	5	4-5	5	4-5	4	4	4
0200	4	5	4	4	4	4	4	4	-	-
0400	-	-	-	4-5	4-5	4-5	4-5	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Owenbeg in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	NE of Carha at Carrownabanny	154367	324372	25	SO
0070	Br N Knockadoo	157005	323189	25	SO
0200	Coolaney Bridge	160722	325231	25	SO
0400	Bridge u/s Owenmore River	165291	325549	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	117	24	100	0	0	36	57	0	0	0	7
0070	84	41	85	15	5	28	48	0	7	0	11
0200	58	70	64	36	29	23	31	0	10	0	8
0400	43	87	63	37	35	20	26	0	9	0	10

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENMORE (MANORHAMILTON)**

35/O/08

Tributary of : 35B06 BONET

OS Catchment No: 117

OS Grid Ref of Confluence: G 873 393

Date(s) Surveyed: 18/9/2012

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1977	1980	1986	1990	1994	2000	2003	2006	2009	2012
0220	-	-	-	-	-	-	4	4-5	4	4-5	4	4
0400	5	4-5	4	4	4-5	4-5	3-4	4	4	4	4	4

Assessment: Despite flood conditions, the macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Owenmore (Manorhamilton) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0220	Bellanaganny Bridge	192223	339456	16	LM
0400	Windy Bridge	187751	339227	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0220	85	26	0	100	21	12	34	0	21	1	11
0400	39	52	10	90	27	11	23	1	24	1	13

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENMORE (SLIGO)**

35/O/06

Tributary of : 35B05 BALLYSDARE

OS Catchment No: 116

OS Grid Ref of Confluence: G 687 270

Date(s) Surveyed: 9/8/2012, 10/8/2012, 19/8/2012

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1977	1979	1980	1984	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	-	-	-	-	-	-	-	4-5	4	4	4	-
0050	-	-	-	-	4	4-5	3-4	4-5	4-5	4	4-5	4-5	4	-
0100	-	-	-	-	5	4-5	4	4	4	4	4-5	4	-	-
0200	-	-	5	5	4	4	4	4	3-4	3-4	4	4	4	4
0250	-	-	-	-	-	-	3-4	4	3-4	3	4	3	3	4
0400	5	5	4-5	-	4	4	4-5	4-5	4	4	4	3-4	3-4	4-5
0500	-	-	-	-	4	4	4	4	4	4	4	3-4	3-4	3-4
0610	-	-	-	-	-	-	-	4-5	4	4-5	4-5	4	4	4
0700	-	-	-	-	5	4-5	5	-	-	4-5	4-5	4-5	4	4
0900	4-5	5	4-5	-	4	4	4	5	3-4	4	4-5	4	4	3-4

Assessment: Satisfactory ecological quality was maintained in the upper section of the Owenmore (0200) in 2012. A dramatic improvement to good and high ecological condition was recorded in the middle section, above Templehouse Lake at stations 0250 and 0400. Downstream of the lake at Templehouse Bridge (0500) huge numbers of zebra mussel continue to dominate the macroinvertebrate fauna and result in unsatisfactory ecological conditions. While satisfactory ecological conditions persist in the lower sections, upstream and downstream of Collooney (0610 and 0700), there has been an unwelcome decline to unsatisfactory conditions upstream of the Unshin River confluence (0900).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br at Kilstraghlán or Ragwood	165347	304431	32	SO
0050	Bridge S.W. of Moydough	167041	305699	32	SO
0100	Br 2 km E.S.E. of Kilshalvy	167756	307063	32	SO
0200	Br S.S.W. of Emlaghfad	166612	312348	25	SO
0250	1 km d/s Ballymote Stream	165400	313592	25	SO
0400	Carrowroagh Br (u/s Templehouse L)	162111	315460	25	SO
0500	Templehouse Br (d/s)	162524	318528	25	SO
0610	Br N Cloonacurra	164372	322707	25	SO
0700	1.2 km u/s Collooney Bridge	166797	325768	25	SO
0900	300 m u/s Unshin River confl	168469	326673	25	SO

Hydrometric Area 35 (2012)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	79	9	30	70	27	1	30	0	40	0	2
0050	65	46	25	75	37	6	16	1	36	0	4
0100	62	63	18	82	46	4	17	1	27	0	4
0200	58	106	12	88	44	3	14	0	33	0	6
0250	58	147	8	92	54	2	12	1	26	0	5
0400	57	205	6	94	58	2	14	0	20	0	5
0500	57	274	5	95	59	2	14	0	17	1	7
0610	49	312	4	96	61	2	13	0	17	1	6
0700	40	406	17	83	56	6	15	0	15	1	7
0900	25	411	17	83	56	6	15	0	15	1	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHANVAUS**
 Tributary of : 35B06 BONET
 OS Grid Ref of Confluence: M 865 378
 Date(s) Surveyed: 18/9/2012

35/S/01
 OS Catchment No: 117

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4	4-5	4-5	4-5	4-5	4	-	-
1100	4	4-5	-	4	4-5	4	4-5	4-5

Assessment: Despite heavy flooding, the macroinvertebrate fauna continue to indicate highly satisfactory ecological conditions on the Shanvaus in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Second Br u/s Shanvaus Br	183696	340732	16	LM
1100	Bridge u/s Bonet River confl	186433	337773	16	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	61	20	0	100	16	1	41	0	33	0	8
1100	36	34	14	86	24	1	38	0	28	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TULLINWILLIN STREAM**

35/T/03

Tributary of : Belhavel Lough

OS Catchment No: 117

OS Grid Ref of Confluence: G 882 296

Date(s) Surveyed: 13/12/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4-5	4	4-5	4-5	3-4	3-4	4

Assessment: A welcome return to satisfactory ecological condition was recorded on the Tullinwillin Stream in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge u/s Belhavel Lough	187861	329848	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	68	4	0	100	14	32	31	0	1	0	21

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **UNSHIN**
 Tributary of : 35B05 BALLYSDARE
 OS Grid Ref of Confluence: G 687 270
 Date(s) Surveyed: 10/8/2012

35/U/01
 OS Catchment No: 116

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2001	2003	2006	2009	2012
0100	-	-	-	4-5	4-5	4-5	-	3-4	4	-	3-4	3-4	3-4	3-4
0200	-	-	-	5	4	4	4	4-5	4	4-5	-	4	4	4
0400	-	-	-	4	4-5	4	4	4-5	4	-	4	4	4	4
0500	-	5	4-5	5	4-5	4-5	4-5	4-5	4-5	-	4-5	4-5	4-5	4-5
0600	4-5	5	4	4	4	4	4	4-5	4-5	-	4-5	4-5	4-5	4-5

Assessment: The upper Unshin (0100), just downstream of Lough Arrow, continues to be of unsatisfactory quality with a lack of pollution-sensitive macroinvertebrates and dominance of zebra mussels in 2012. The remaining downstream sites (0200, 0400, 0500, 0600) to the confluence with the Owenmore (Sligo) are of satisfactory ecological quality, with no real change in condition in these sites in almost forty years of EPA sampling.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bellarush Bridge	176694	315793	25	SO
0200	Riverstown Bridge	173955	320174	25	SO
0400	Lisconny Bridge	169792	322912	25	SO
0500	Ballygrania Bridge	169500	325904	25	SO
0600	Bridge u/s Ballysodare River	168616	326911	25	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	58	66	8	92	36	5	6	0	17	21	15
0200	48	78	7	93	41	4	5	0	17	18	14
0400	30	168	3	97	48	4	7	0	24	8	9
0500	25	202	2	98	51	4	6	0	24	7	8
0600	21	221	6	94	51	5	6	0	22	7	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **WILLSBOROUGH STREAM**

35/W/01

Tributary of : Sea - Sligo Bay

OS Catchment No: 118

OS Grid Ref of Confluence: G 689 373

Date(s) Surveyed: 11/8/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1990	1994	1997	2000	2003	2006	2009	2012	
0060	-	4-5	-	4	4-5	4-5	4-5	4	4-5	
0150	-	-	4	-	-	4-5	4-5	4	4	
0300	5	4	3-4	3-4	4-5	3-4	4	4	4	

Assessment: Satisfactory ecological conditions persist at all stations sampled on the Willsborough stream in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Bridge S. of Glackbaun	174417	339454	16	SO
0150	Br ESE Shannon Oughter	171212	338308	0	SO
0300	Br on Sligo-Bundoran Road	169233	337360	16	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	120	5	0	100	0	0	66	0	6	0	28
0300	8	17	0	100	45	3	23	1	11	0	18

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

NWIRBD: HYDROMETRIC AREA NO. 35

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballymote Stream	2012	35B04	0.0	2.5	0.5	2.0	0.0	5.0
Ballysodare	2012	35B05	3.5	0.0	0.0	0.0	0.0	3.5
Bonet	2012	35B06	10.2	24.8	0.0	0.0	0.0	35.0
Brackary	2012	35B10	3.8	0.2	0.0	0.0	0.0	4.0
Bradoge	2012	35B07	0.0	8.9	0.1	0.0	0.0	9.0
Buncrowey	2012	35B09	3.0	2.8	5.7	0.0	0.0	11.5
Bunnanaddan Stream	2012	35B08	0.0	0.5	0.0	3.5	0.0	4.0
Cashel Stream (Bonet)	2012	35C08	5.5	5.0	0.0	0.0	0.0	10.5
Clooneen (Sligo)	2012	35C01	2.5	1.9	9.6	0.0	0.0	14.0
Diffreen	2012	35D01	0.0	5.0	0.0	0.0	0.0	5.0
Doonbeakin	2012	35D09	0.0	0.0	6.0	0.0	0.0	6.0
Doonflin	2012	35D10	0.0	7.5	0.0	0.0	0.0	7.5
Douglas (Sligo)	2012	35D02	0.0	0.0	4.0	0.0	0.0	4.0
Drowes	2012	35D03	0.0	7.5	0.0	0.0	0.0	7.5
Drumcliffe	2012	35D04	0.0	2.4	4.6	0.0	0.0	7.0
Drumfin	2012	35D11	0.0	5.5	2.0	0.0	0.0	7.5
Duff	2012	35D05	18.0	1.0	0.0	0.0	0.0	19.0
Dunmoran	2012	35D16	0.0	3.5	6.5	0.0	0.0	10.0
Dunneill	2012	35D06	13.0	1.0	0.0	0.0	0.0	14.0
Easky	2012	35E01	11.0	15.0	0.0	0.0	0.0	26.0
Finned	2012	35F01	7.2	5.8	0.0	0.0	0.0	13.0
Garavoge	2012	35G01	0.0	4.5	0.0	0.0	0.0	4.5
Glenaniff	2012	35G02	10.0	0.0	0.0	0.0	0.0	10.0
Gowlan (Sligo)	2012	35G03	9.0	0.0	0.0	0.0	0.0	9.0
Grange (Sligo)	2012	35G04	7.5	0.0	0.5	0.0	0.0	8.0
Gurteen Stream	2012	35G05	0.0	0.0	4.0	0.0	0.0	4.0
Killanummery	2012/13	35K03	2.8	9.3	0.0	0.0	0.0	12.0
Killoran Lough Stream	2012	35K02	0.0	6.0	0.0	0.0	0.0	6.0
Liskeagh	2012	35L02	9.5	0.0	0.0	0.0	0.0	9.5
Lugdoon Stream	2012	35L01	0.0	0.0	5.5	0.0	0.0	5.5
Owenbeg (Coolaney)	2012	35O01	0.0	23.5	0.0	0.0	0.0	23.5
Owenmore (Manorhamilton)	2012	35O08	0.0	7.0	0.0	0.0	0.0	7.0
Owenmore (Sligo)	2012/13	35O06	4.1	38.7	7.3	0.0	0.0	50.0
Shanvaus	2012	35S01	8.0	0.0	0.0	0.0	0.0	8.0
Tullinwillin Stream	2012	35T03	0.0	3.0	0.0	0.0	0.0	3.0
Tullynascreen	2012	35T06	0.0	0.0	5.0	0.0	0.0	5.0
Unshin	2012	35U01	6.4	14.7	1.9	0.0	0.0	23.0
Willsborough Stream	2012	35W01	6.0	3.0	0.0	0.0	0.0	9.0

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Total Length (km) surveyed this cycle			141.0	210.4	63.1	5.5	0.0	420.0	
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0	
Current Length (km) Adjusted	2012/13		141.0	210.4	63.1	5.5	0.0	420.0	
<i>Percentages</i>			33.6	50.1	15.0	1.3	0.0	100.0	
Channel Length (km) in Class			A	B	C	D	Total		
Baseline : Current Adjusted Status (km)			2010-'12	351.4	63.1	5.5	0.0	420.0	
<i>Percentages</i>				83.7	15.0	1.3	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2007-'09	111.7	245.5	53.4	9.5	0.0	420.0
<i>Percentages</i>				26.6	58.4	12.7	2.3	0.0	100.0
Changes since Previous Survey (km)				29.3	-35.1	9.8	-4.0	0.0	0.0

* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-):

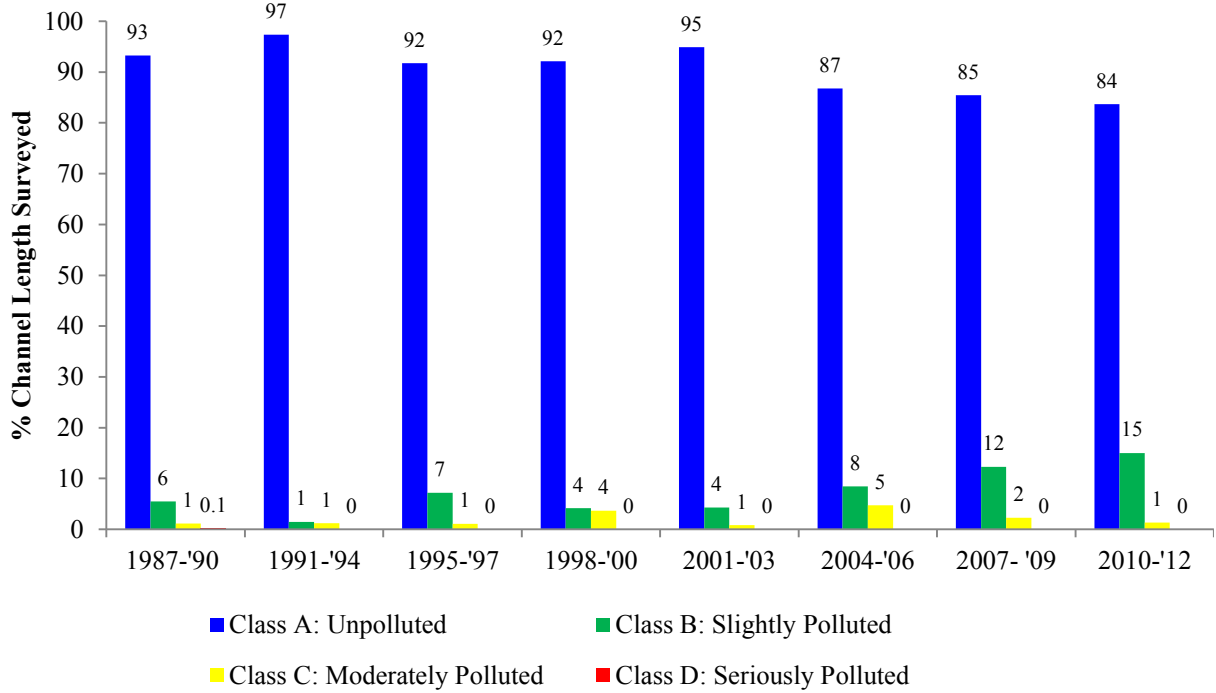
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

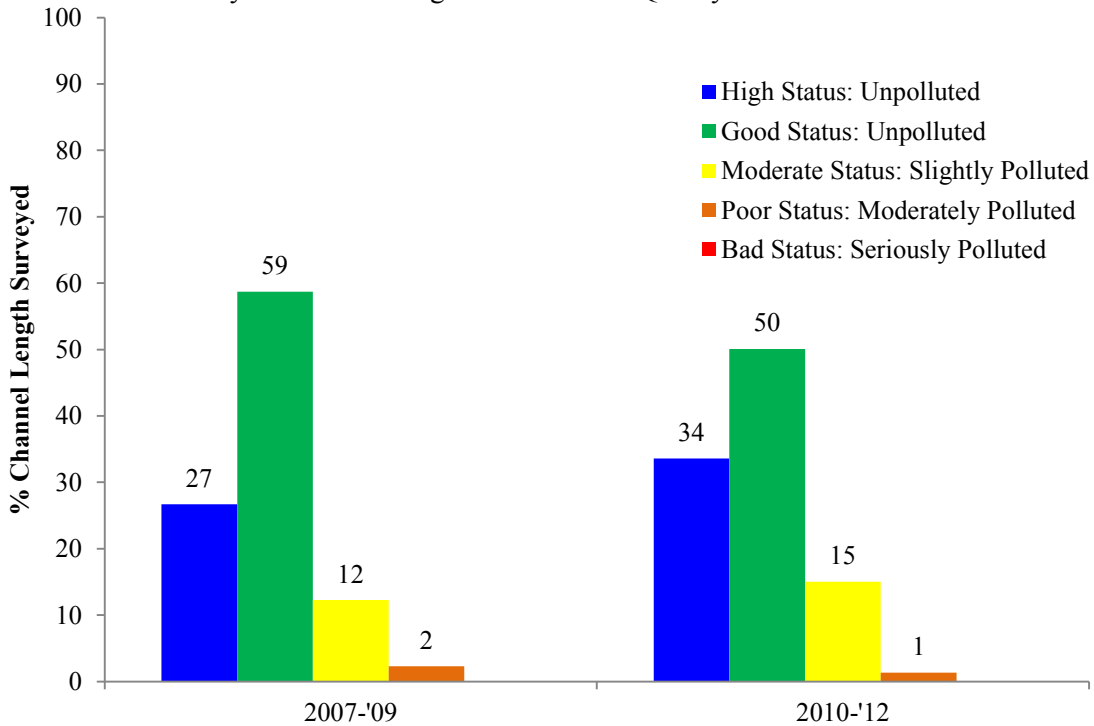
The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	19	25
Good	45	39
Moderate	11	15
Poor	3	1
Bad	0	0
Total number of sites surveyed	78	80
Total number of sites at unsatisfactory status	14	16

Hydrometric Area 35 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 35: Trends
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 38 (Gweebarra - Sheephaven)	
ABBERACHRIN	38A01
AIGHE	38A03
ASPICK	38A02
BIG BURN	38B03
BRACKY	38B02
BUNLIN	38B04
BURNSIDE	38B05
CALABBER	38C01
CARROWNAMADDY	38C02
CATHEEN	38C03
CLADY (DONEGAL)	38C04
CORVEEN	38C05
CRONANIV BURN	38C06
DEVLIN (DONEGAL)	38D01
DUNGLOE	38D02
DUNTALLY	38D03
DUVOGE	38D05
DUVOWEN (RAY)	38D04
FAYMORE	38F01
GLEN (LACKAGH)	38G04
GLEN (MEENACLADY)	38G05
GLENLEHEEN STREAM	38G07
GLENNA	38G01
GLENTORNAN	38G06
GWEEBARRA	38G02
GWEEDORE	38G03
KEEL LOUGH STREAM *	38K01
LOUGH AGHER STREAM	38L02
LOUGHKEEL BURN	38L03
MURLIN	38M03
OWENATOR	38O01
OWENAWILLIN	38O10
OWENCARROW	38O03
OWENCRONAHULLA	38O09
OWENEA	38O04
OWENNAMARVE	38O05
OWENTOCKER	38O06
OWENVEAGH	38O14
OWENWEE (DOOCHARRY)	38O07
OWENWEE (DUNLEWY)	38O12
OWENWEE (GLEN LOUGH)	38O13
OWENWEE (LOUGHROS)	38O08
PORT STREAM	38P01
RAY	38R01
SHALLOGAN	38S03
SRUHANNAMEEL	38S02
STRACASHEL	38S01
TULLAGHOBEGLY	38T01

* KEEL LOUGH STREAM Previously reported as part of the Gweedore 38G03

River and Code : **ABBERACHRIN**
 Tributary of : Sea - Loughros More Bay
 OS Grid Ref of Confluence: G 703 947
 Date(s) Surveyed: 17/8/2012

38/A/01
 OS Catchment No: 49

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4	4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Kilclooney Bridge	171667	395510	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	10	9	100	0	1	0	86	0	5	7	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **AIGHE** **38/A/03**
 Tributary of : 38B02 BRACKY OS Catchment No: h6
 OS Grid Ref of Confluence: G 726 877
 Date(s) Surveyed: 16/8/2012

Station Nos.	Biological Quality Ratings (Q Values)					
	1997	2000	2003	2006	2009	2012
0150	1/0	4	2/0	2-3/0	3-4	2/0

Assessment: Toxicity due to an industrial discharge had seriously impacted the Aighe River in 2012. The recovery noted in 2009 in comparison with 2003 and 2006 appears to have been reversed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Br NNW of Cashel	172816	388322	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	33	6	100	0	17	0	82	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **ASPICK**
 Tributary of : 38G01 GLENNA
 OS Grid Ref of Confluence: B 909 288
 Date(s) Surveyed: 26/7/2012

38/A/02

OS Catchment No: 21

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	4-5	4-5	4	4-5	3	4	3-4

Assessment: This Glenna River (qv) tributary had declined in quality again in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge d/s Aspick Bridge	190044	425457	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	132	1	100	0	0	0	74	0	0	0	26

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BIG BURN** **38/B/03**
 Tributary of : Sea - Mulroy Bay OS Catchment No: 28
 OS Grid Ref of Confluence: C 196 329
 Date(s) Surveyed: 25/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0500	4-5	3-4	4-5	4	4	4	4	3/0

Assessment: A serious drop in water quality was recorded at Cranford Bridge compared with the 2006 and 2009 surveys. A toxic influence is suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Cranford Bridge	219272	432669	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	7	13	100	0	13	0	76	0	11	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BRACKY** **38/B/02**
 Tributary of : Sea - Loughros Beg Bay OS Catchment No: h6
 OS Grid Ref of Confluence: G 720 900
 Date(s) Surveyed: 16/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	3/0	3*	4	4	3	3

Assessment: The Bracky was unsatisfactory in 2012 - it may be impacted by the industrial discharge noted on the Aighe River (qv).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bracky Bridge	172741	389529	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	16	16	100	0	17	2	59	0	0	0	23

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BUNLIN**
 Tributary of : Mulroy Bay
 OS Grid Ref of Confluence: C 181 278
 Date(s) Surveyed: 25/9/2012

38/B/04
 OS Catchment No: 29

Station Nos.	Biological Quality Ratings (Q Values)				
	2000	2003	2006	2009	2012
0100	4	4-5	3/0	4	4

Assessment: The improvement to good ecological condition noted in 2009, following the serious drop in quality noted in 2006 where sheep dip was the suspected cause, was maintained in 2012 although the river is no longer at high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br. S of Drumard (near tomb)	215955	425602	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	95	4	98	2	0	0	74	0	26	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **BURNSIDE**
 Tributary of : Sea - Mulroy Bay
 OS Grid Ref of Confluence: C 210 328
 Date(s) Surveyed: 25/9/2012

38/B/05
 OS Catchment No: u6

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4	4	4	4	4	2-3	4	4

Assessment: Satisfactory conditions were maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	150m d/s Carrowkeel Bridge	221316	432475	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	7	12	100	0	31	0	62	0	4	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CALABBER**
 Tributary of : 38O03 OWENCARROW
 OS Grid Ref of Confluence: C 048 242
 Date(s) Surveyed: 26/9/2012

38/C/01
 OS Catchment No: 27

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4	4-5	4-5	4-5	4-5	4	4
0300	-	4-5	4-5	4-5	4-5	4-5	4-5	-

Assessment: Satisfactory where sampled in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Meennamolt Bridge	199865	423516	6	DL
0300	2 km d/s Calabber Bridge	203369	423980	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	142	4	100	0	0	0	72	0	0	0	28
0300	67	2	100	0	0	0	49	0	0	0	51

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CARROWNAMADDY** **38/C/02**
 Tributary of : Sea-Clonmass Bay (Sheep Haven) OS Catchment No: 2
 OS Grid Ref of Confluence: C 053 342
 Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1973	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	4-5	4	4-5	4-5	4-5	4	4	4

Assessment: Satisfactory conditions were maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ards	204327	433521	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	13	15	100	0	21	0	66	2	4	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CATHEEN** **38/C/03**
 Tributary of : Sea - N. of Gweedore Bay OS Catchment No: 19
 OS Grid Ref of Confluence: B 813 261
 Date(s) Surveyed: 27/7/2012

Station Nos.	Biological Quality Ratings (Q Values)					
	1979	1981	1985	1990	1994	2012
0200	1	1	1	1	1-2	3

Assessment: The Catheen was resampled in 2012 and showed a significant improvement on the historic situation in the 1990s. It is a small stream not depicted on the OS catchment map but receives discharges from an industrial estate.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge N. of Middletown	181454	425788	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	8	4	100	0	54	0	46	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CLADY (DONEGAL)**

38/C/04

Tributary of : Sea - Gweedore Bay

OS Catchment No: 23

OS Grid Ref of Confluence: B 804 234

Date(s) Surveyed: 25/7/2012

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1977	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0150	-	-	4	4	4-5	4	4-5	4-5	4	4-5	3-4	4
0300	4-5	4-5	5	4-5	4-5	4	4	4	4	4	4	4

Assessment: Satisfactory with an improvement noted at Station 0150 downstream of the hydroelectric reservoir and satisfactory conditions maintained at the lower site.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Bryan's Bridge (Gweedore)	185255	422485	1	DL
0300	Bridge u/s Bunbeg	180893	423661	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	52	79	100	0	3	4	80	0	0	5	8
0300	19	88	100	0	5	3	80	0	0	4	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CORVEEN** **38/C/05**
 Tributary of : 38O09 OWENCRONAHULLA OS Catchment No: 19
 OS Grid Ref of Confluence: B 828 273
 Date(s) Surveyed: 26/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4-5	4	4	3-4	3-4	3-4	3-4	3-4

Assessment: Continuing to be unsatisfactory with very low numbers of sensitive taxa.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Owencronahulla R confl	182610	427433	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	43	10	100	0	2	0	92	0	6	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **CRONANIV BURN**

38/C/06

Tributary of : Dunlewy Lough

OS Catchment No: 23

OS Grid Ref of Confluence: B 928 190

Date(s) Surveyed: 25/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4	5	5	4-5	4-5	4-5	4-5

Assessment: High ecological quality was again noted in 2012 in the Cronaniv Burn.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Dunlewy Lough	193109	418649	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	70	7	100	0	0	0	91	0	0	0	9

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DEVLIN (DONEGAL)**

38/D/01

Tributary of : Dunlewy Lough

OS Catchment No: 23

OS Grid Ref of Confluence: B 927 188

Date(s) Surveyed: 15/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0080	4-5	4	5	5	5	5	5	4

Assessment: A drop in ecological condition was noted in 2012 in the Devlin, a tributary of Dunlewy Lough.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	0.5km u/s Br u/s Dunlewy L	192884	418619	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	78	11	100	0	0	0	88	0	0	0	12

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUNGLOE**
 Tributary of : Sea - near Gweebarra Bay
 OS Grid Ref of Confluence: B 768 115
 Date(s) Surveyed: 27/7/2012

38/D/02
 OS Catchment No: 16

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0020	-	-	4	4	4-5	4-5	4	4	3-4	4
0150	5	5	4	4	4	4-5	4	4	-	-
0250	-	-	3	3	3	3	3	3	3-4	3

Assessment: The site upstream of Fad Lough had improved in quality compared with 2009 but the lower site in Dungloe town just upstream of the sea had dropped back to poor ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Bridge u/s Lough Fad	179696	409026	1	DL
0150	Bridge u/s Dungloe Lough	178082	413043	1	DL
0250	West Bridge - Dungloe	176827	411506	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	29	13	100	0	0	0	94	0	0	2	4
0150	22	7	100	0	0	0	92	0	6	0	3
0250	4	40	100	0	0	0	86	1	5	5	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUNTALLY**
 Tributary of : Sea - Sheep Haven
 OS Grid Ref of Confluence: C 084 314
 Date(s) Surveyed: 26/9/2012

38/D/03
 OS Catchment No: 26

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	-	3	3	4-5	4-5	4	-	-
0500	4	4	4	4	4	4-5	4	4

Assessment: Satisfactory, no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Old Bridge SE Grogagh	205670	428143	2	DL
0500	Bridge E. of Creeslough	206863	430284	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	53	1	100	0	0	0	100	0	0	0	0
0500	8	8	89	11	5	0	54	1	39	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUVOGE**
 Tributary of : Sheskinmore Lough
 OS Grid Ref of Confluence: G 703 961
 Date(s) Surveyed: 17/8/2012

38/D/05
 OS Catchment No: 49

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4	4-5	4	4	4	4	4	4

Assessment: Satisfactory, no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Lough Sheskinmore	170772	396356	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	9	7	100	0	63	0	31	0	1	4	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **DUVOWEN (RAY)**

38/D/04

Tributary of : 38R01 RAY

OS Catchment No: 3

OS Grid Ref of Confluence: B 973 276

Date(s) Surveyed: 27/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4	3	3	4	3-4	4	3-4

Assessment: A decline in ecological quality was recorded in 2012. The Duvowen drains the catchment in which the old Muckish landfill is located.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	500 m u/s Ray River confl	196622	428028	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	115	7	100	0	0	0	95	0	0	0	5

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **FAYMORE**
 Tributary of : Sea - Sheep Haven
 OS Grid Ref of Confluence: C 060 317
 Date(s) Surveyed: 26/9/2012

38/F/01
 OS Catchment No: 25

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1986	1990	1994	1997	2000	2003	2006	2009	2012
0050	5	3-4	5	4-5	3	4*	4-5	3	-	-
0200	5	3-4	4	4	3-4	4	3	2-3	3-4	4

Assessment: A definite improvement in quality was noted in the Faymore in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge S of Creenasmear	203236	429226	2	DL
0200	Clon Bridge	205369	431672	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	68	5	100	0	0	0	48	0	4	0	48
0200	6	17	96	4	2	0	39	0	33	0	26

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLEN (LACKAGH)**

38/G/04

Tributary of : Glen Lough

OS Catchment No: 27

OS Grid Ref of Confluence: C 117 307

Date(s) Surveyed: 26/9/2012, 28/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	5	4-5	-	4-5	4-5	4	4	4
0700	-	-	-	-	-	-	-	2-3/0
0900	5	4	4-5	4-5	-	4	-	3/0

Assessment: A serious situation was noted in the Glen (Lackagh) in 2012. A serious loss of invertebrate taxa is believed to be related to toxic influences - possibly sheep dip chemicals. An additional site at Station 0700 was sampled to eliminate the possibility of potential impacts from the small village of Glen just upstream of Station 0900. A normal range of species was found at the upper site (0400) where little change was observed in comparison with earlier surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br NW of Highglen	213706	429668	2	DL
0700	Third bridge u/s Glen Lough	212685	431467	0	
0900	Br u/s Glen Lough	211832	431043	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	149	6	82	18	0	0	89	0	5	5	0
0900	29	11	90	10	8	0	80	0	7	3	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLEN (MEENACLADY)**

38/G/05

Tributary of : Sea - W. of Currans Point

OS Catchment No: n6

OS Grid Ref of Confluence: B 857 335

Date(s) Surveyed: 26/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	4-5	4	4-5	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW Meenaclady	186051	432398	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	21	8	100	0	0	0	97	0	3	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENLEHEEN STREAM**

38/G/07

Tributary of : Abroe

OS Catchment No: 48

OS Grid Ref of Confluence: B 902 067

Date(s) Surveyed: 24/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	4-5	4-5	4-5	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Glenleheen Bridge	190293	403976	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	88	9	100	0	1	0	94	0	0	0	5

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENNA**
 Tributary of : Sea - Ballyness Bay
 OS Grid Ref of Confluence: B 911 303
 Date(s) Surveyed: 26/7/2012

38/G/01
 OS Catchment No: 21

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	3-4	4	4-5	4	-	-
0200	4	4	4*	4	4-5	4-5	4-5	4

Assessment: Satisfactory but a decline from high to good ecological condition was recorded in the Glenna in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Fawnboy Lower	191568	426896	1	DL
0200	Bedlam Bridge	191063	430012	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	42	11	100	0	17	0	74	0	9	0	0
0200	4	22	93	7	27	0	64	1	7	0	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GLENTORNAN**
 Tributary of : Lough Nacung Upper
 OS Grid Ref of Confluence: B 898 191
 Date(s) Surveyed: 25/7/2012

38/G/06
 OS Catchment No: 23

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	5	4-5	4-5	4-5	4	4

Assessment: This Lough Nacung tributary was in satisfactory condition although a further slight decline in ecological quality was noted in July 2012 compared with August 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Just u/s Lough Nacung	189617	419165	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	73	6	100	0	0	4	91	0	0	4	1

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GWEEBARRA**
 Tributary of : Sea - Gweebarra Bay
 OS Grid Ref of Confluence: G 797 997
 Date(s) Surveyed: 17/8/2012, 24/7/2012

38/G/02

OS Catchment No: 48

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	5	5	5	4-5	5	5	4-5	4-5	4-5	4-5
0200	-	5	-	-	3	3-4	4-5	4	3-4	3-4	3-4
0300	5	5	5	4-5	4-5	5	4-5	5	4-5	4	4

Assessment: The upper reaches (0100) of the Gweebarra retained high ecological quality. The mid section (0200) continues to be impacted by intensive forestry in the catchment. An improvement was noted in the lower reaches (0300) upstream of the tidal Gweebarra estuary.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Pollglass Bridge	195017	414076	1	DL
0200	SE of L. Natangaduff	189731	407697	11	DL
0300	Bridge in Doocharry	186813	406457	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	172	6	100	0	0	0	69	0	0	0	31
0200	27	39	100	0	0	0	80	0	0	2	18
0300	0	94	100	0	2	1	82	0	1	1	13

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **GWEEDORE**
 Tributary of : Sea - Gweedore Bay
 OS Grid Ref of Confluence: B 827 212
 Date(s) Surveyed: 26/7/2012, 27/7/2012

38/G/03

OS Catchment No: 22

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1977	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4	4	4	4	5	4-5	4	4	3-4	4
0300	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	3-4	3-4	4

Assessment: A significant improvement was noted in the Gweedore River in 2012 compared with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E Meenderrynasloe	182980	419085	1	DL
0300	Br E Derrymansher	182686	420913	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	31	38	100	0	9	0	79	0	1	4	8
0300	4	50	100	0	8	0	82	0	1	3	6

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **KEEL LOUGH STREAM**

38/K/01

Tributary of : 38G03 GWEEDORE

OS Catchment No: 22

OS Grid Ref of Confluence:

Date(s) Surveyed: 27/7/2012

Previously reported as part of the Gweedore 38G03

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1977	1980	1985	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4	4	4	4	3-4	3	3	2/0	2-3	2-3	3

Assessment: Unsatisfactory. The impact of the local water treatment plant discharges was still apparent in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	1.1 km u/s confluence with Gweedore R.	183671	418644	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	66	7	100	0	0	0	100	0	0	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGH AGHER STREAM**

38/L/02

Tributary of : 38R01 RAY

OS Catchment No: 3

OS Grid Ref of Confluence: B 959 311

Date(s) Surveyed: 27/9/2012

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	2000	2003	2006	2009	2012
0200	4	5	4	4	4-5	4-5	4	4-5	4-5

Assessment: Highly satisfactory ecological conditions were retained in 2012 in the Lough Agher Stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br 0.6km u/s Ray R confl	196067	430825	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	52	12	96	4	7	0	87	0	2	2	2

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LOUGHKEEL BURN**

38/L/03

Tributary of : 38B04 BUNLIN

OS Catchment No: 30

OS Grid Ref of Confluence: C 183 279

Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0400	4-5	4	4	3	4	4	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge u/s Bunlin River confl	218393	427814	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	12	6	100	0	21	2	40	0	17	11	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **MURLIN**
 Tributary of : Sea - Glen Bay
 OS Grid Ref of Confluence: G 527 847
 Date(s) Surveyed: 16/8/2012

38/M/03
 OS Catchment No: h6

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1986	1990	1994	1997	2000	2003	2006	2009	2012
0250	-	-	-	-	-	-	4	4	-	3
0300	5	4	4-5	-	-	-	2/0	2-3	-	-
0400	5	5	4-5	4-5	4-5	4-5	2/0	3	3	3

Assessment: Unsatisfactory. A disappointing drop in quality was noted at the upper site on the Murlin (0250) in 2012. In the past sheep dip pollution was suspected as the cause of the pollution at the lower site (see 2003 results at Station 0300 when the problem was first noted).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Ford 1km u/s Gannew Br	154640	384580	0	DL
0300	Gannew Bridge	153725	384750	0	DL
0400	Straid Bridge	153229	384816	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	7	15	97	3	12	0	75	0	10	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENATOR**
 Tributary of : Lough Anure
 OS Grid Ref of Confluence: B 823 168
 Date(s) Surveyed: 25/7/2012

38/O/01
 OS Catchment No: 22

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	4-5	4-5	4-5	4-5	4	4

Assessment: Satisfactory but with a slight further decline in quality compared with 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford N. of Lough Agher	184263	415002	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	82	20	100	0	4	0	81	0	0	0	15

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENAWILLIN**

38/O/10

Tributary of : Sea - Ballyness Bay

OS Catchment No: 20

OS Grid Ref of Confluence: B 895 310

Date(s) Surveyed: 26/7/2012

Station Nos.	Biological Quality Ratings (Q Values)					
	1997	2000	2003	2006	2009	2012
0200	3-4	3-4	4	3-4	3-4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Binanea Bridge	189000	431012	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	28	5	100	0	4	0	74	0	22	0	0

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENCARROW**

38/O/03

Tributary of : Glen Lough

OS Catchment No: 27

OS Grid Ref of Confluence: C 087 278

Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1985	1990	1994	1997	2000	2003	2006	2009	2012
0150	-	4	4-5	4	4	4-5	4-5	4-5	4	4
0300	5	5	5	4	4-5	4-5	4-5	4-5	4-5	-

Assessment: The Owencarrow was sampled downstream of Lough Beagh and was found to be in satisfactory ecological condition. The lower site (0300) was not sampled in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	2nd Bridge d/s Lough Beagh	204314	423444	6	DL
0300	New Bridge	207803	427068	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	37	37	100	0	0	7	54	0	0	8	32
0300	28	93	100	0	1	8	64	0	0	4	22

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENCRONAHULLA**

38/O/09

Tributary of : Sea - N. of Gweedore Bay

OS Catchment No: 19

OS Grid Ref of Confluence: B 809 266

Date(s) Surveyed: 26/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	5	4-5	4-5	4-5	4-5	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Stramartin Bridge	181881	427328	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	28	18	100	0	7	0	86	0	3	0	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENEA**
 Tributary of : Sea - Loughros More Bay
 OS Grid Ref of Confluence: G 734 919
 Date(s) Surveyed: 14/8/2012, 15/8/2012

38/O/04

OS Catchment No: 50

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2003	2006	2009	2012
0100	-	5	5	5	4-5	5	5	4-5	4-5	4	4	4	4
0300	5	5	5	5	5	4	4	5	4	4	3-4	-	4
0450	-	-	-	-	-	-	-	-	-	-	-	-	3
0500	5	5	5	4	4	4	4	4-5	4	4	4	4	-

Assessment: The upper reaches of the Owenea were satisfactory in 2012 with an improvement at the footbridge site (0300) downstream of Glenties. The lower site (0450), however, suffered from impaired ecological conditions. At this point the river drains a raised bog area with significant afforestation in the catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S. of Mullanmore	184774	393748	11	DL
0300	Footbr 2 km d/s Stracashel R	180635	393332	11	DL
0450	1km u/s Owenea Bridge	174795	392127	0	
0500	Owenea Bridge	173693	392030	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	50	35	99	1	11	0	69	0	3	3	14
0300	37	100	100	0	12	6	61	0	2	1	18
0500	3	126	100	0	13	9	60	0	2	1	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENNAMARVE**

38/O/05

Tributary of : Sea - Trawenagh Bay

OS Catchment No: 47

OS Grid Ref of Confluence: B 781 066

Date(s) Surveyed: 17/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	4	4	-	4-5	4	4	-	-
0300	4	4	4-5	4-5	4-5	4	3-4	4

Assessment: Satisfactory with an improvement noted in comparison with the 2009 survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Owennamarve Bridge	183552	408021	1	DL
0300	Derrydruck Bridge	178564	406572	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	49	15	100	0	0	0	92	0	0	6	3
0300	4	26	100	0	0	0	89	0	2	5	4

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENTOCKER**
 Tributary of : Sea - Loughros More Bay
 OS Grid Ref of Confluence: G 728 906
 Date(s) Surveyed: 14/8/2012

38/O/06
 OS Catchment No: 56

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2003	2006	2009	2012
0010	-	-	-	-	-	-	4	4-5	4-5	4	4	-	4
0050	-	5	-	5	5	5	4	4-5	4-5	4	4	4	4
0100	-	-	5	5	5	-	4-5	-	4-5	4	4	-	4
0300	5	5	5	4	3-4	4	4	4	2-3	3	3-4	4	4

Assessment: Satisfactory overall with the improvement downstream of Ardara (0300) noted in 2009 maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Ford E Tullybane	183410	389177	11	DL
0050	Bridge S. of Kilrean	179485	390738	10	DL
0100	Br NW Cashel	176335	390800	0	DL
0300	500 m d/s Bridge in Ardara	173089	390680	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	165	8	100	0	0	0	94	0	0	0	6
0050	70	31	100	0	4	4	85	0	2	0	4
0300	10	43	99	1	13	3	75	0	2	0	7

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENVEAGH**

38/O/14

Tributary of : Lough Veagh

OS Catchment No: 27

OS Grid Ref of Confluence: C 004 190

Date(s) Surveyed: 27/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0080	5	5	5	5	5	5	5	5

Assessment: High quality conditions noted in this tributary of Lough Beagh in the national park.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	1.2km u/s Glenveagh Lough	199353	418299	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	50	11	100	0	0	8	69	0	0	0	23

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (DOOCHARRY)**

38/O/07

Tributary of : 38G02 GWEEBARRA

OS Catchment No: 48

OS Grid Ref of Confluence: B 870 069

Date(s) Surveyed: 17/8/2012, 24/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4-5	-	4-5	5	4-5	4	4
0250	5	4-5	4-5	5	4-5	4-5	4	4-5

Assessment: The upper site had declined slightly in comparison with 2009 albeit still in satisfactory condition. The lower site (0250) upstream of the confluence with the Gweebarra River (qv) had improved and was of high quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 500 m N.E. of Dernafanogy Br	190696	410020	1	DL
0250	500 m u/s Gweebarra River	187425	407336	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	53	5	100	0	0	0	69	0	0	0	31
0250	5	21	100	0	4	0	79	0	0	0	16

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (DUNLEWY)**

38/O/12

Tributary of : 38C06 CRONANIV BURN

OS Catchment No: 23

OS Grid Ref of Confluence: B 930 187

Date(s) Surveyed: 25/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0200	5	4	5	4-5	4-5	4-5	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge u/s Cronaniv Burn	193125	418757	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	71	8	100	0	0	0	83	0	0	0	17

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (GLEN LOUGH)**

38/O/13

Tributary of : Glen Lough

OS Catchment No: 27

OS Grid Ref of Confluence: C 099 284

Date(s) Surveyed: 26/9/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	5	4-5	4-5	5	4-5	4	4-5

Assessment: Satisfactory with an improvement in comparison with 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Glen Lough	210361	428281	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	28	4	93	7	0	0	89	0	0	8	3

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **OWENWEE (LOUGHROS)**

38/O/08

Tributary of : Sea - Loughros Beg Bay

OS Catchment No: h6

OS Grid Ref of Confluence: G 664 905

Date(s) Surveyed: 16/8/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0050	4-5	4-5	4-5	4-5	4	4	4	4

Assessment: Satisfactory conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge 1 km u/s Maghera	166107	390108	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	5	6	100	0	0	0	71	0	1	0	28

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **PORT STREAM**

38/P/01

Tributary of : Sea: N. of Sturrall

OS Catchment No: h6

OS Grid Ref of Confluence: G 547 890

Date(s) Surveyed: 16/8/2012

Station Nos.	Biological Quality Ratings (Q Values)						
	1994	1997	2000	2003	2006	2009	2012
0100	3-4	4-5	5	4-5	4	3-4	3-4

Assessment: Unsatisfactory although a slight improvement compared with 2009 was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Port	154967	388982	10	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	14	8	98	2	0	0	100	0	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **RAY**
 Tributary of : Sea - S.W. of Dooros Point
 OS Grid Ref of Confluence: B 948 348
 Date(s) Surveyed: 27/9/2012

38/R/01

OS Catchment No: 3

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1985	1990	1994	1997	2000	2003	2006	2009	2012
0100	4-5	4-5	5	4	4	4	4	4	-	-
0200	5	5	5	4-5	4-5	4	4	3-4	4-5	4-5

Assessment: The improvement to high quality conditions noted in 2009 was maintained in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Fiddlers Bridge	195906	429693	1	DL
0200	Drumavoghy Bridge	195221	432634	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	85	16	97	3	0	0	93	0	3	0	4
0200	9	33	94	6	10	0	82	0	5	1	2

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SHALLOGAN**
 Tributary of : 38S01 STRACASHEL
 OS Grid Ref of Confluence: G 838 965
 Date(s) Surveyed: 15/8/2012

38/S/03
 OS Catchment No: 50

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0300	4-5	4-5	4-5	4-5	4	4	3-4	3-4

Assessment: The Shallogan was badly marred by rubbish. Quality had not improved on the 2009 result when a drop in condition was noted. A single specimen of the useful and almost ubiquitous indicator mayfly, Ecdyonurus, was found only after taking a second sample.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Just u/s Stracashel River	183748	396566	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	76	14	100	0	4	2	70	0	4	0	20

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **SRUHANNAMEEL**

38/S/02

Tributary of : Lough Nacung Upper

OS Catchment No: 23

OS Grid Ref of Confluence: B 902 188

Date(s) Surveyed: 25/7/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	2000	2003	2006	2009	2012
0100	5	4	4	4-5	4-5	4-5	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Just u/s Lough Nacung	190140	418846	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	70	3	100	0	0	0	86	0	0	0	14

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **STRACASHEL**
 Tributary of : 38O04 OWENEA
 OS Grid Ref of Confluence: G 813 937
 Date(s) Surveyed: 15/8/2012

38/S/01
 OS Catchment No: 50

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1977	1981	1990	1994	1997	2000	2003	2006	2009	2012
0030	-	-	-	5	-	-	-	-	-	-	-
0040	-	-	-	4-5	-	-	-	-	-	-	4
0045	-	-	-	-	-	-	-	-	-	-	2-3/0
0050	-	-	5	5	4-5	5	5	4-5	4	-	3
0100	5	5	5	-	-	-	-	-	-	-	-
0200	4-5	3-4	4-5	3-4	4	4	4	3	3	3	2-3

Assessment: A significant decline in quality was noted upstream of Glenties just upstream of the confluence with the Shallogan River (qv). An additional investigative site was surveyed to narrow down the potential sources. Station 0040 is close to the entrance of a large mink farm and downstream of an extensive area of forest. Ecological conditions were reasonably satisfactory at this point. The intervening stretch downstream has more forest plantations with bog and some farmland. Toxic influences such as sheep dip are possible due to the low number of taxa recorded at Station 0045. The lower station is impacted by sewage discharges in Glenties.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Bridge near Graffy School*	0	0	0	DL
0040	S.S.W. of Meenamalragh*	185486	395967	0	DL
0045	Just u/s Shallogan confluence.	183995	396550	11	DL
0050	Bridge d/s Shallogan River	183825	396395	11	DL
0100	Bridge S.E. of Woodtown	182100	395200	0	DL
0200	500 m d/s Bridge in Glenties	181655	394017	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	73	34	100	0	4	5	56	0	3	0	33
0200	46	42	100	0	6	4	59	0	3	0	27

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TULLAGHOBEGLY**

38/T/01

Tributary of : Sea - Ballyness Bay

OS Catchment No: 24

OS Grid Ref of Confluence: B 923 320

Date(s) Surveyed: 25/7/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1986	1990	1994	1997	2000	2003	2006	2007	2009	2012
0090	-	5	4-5	4-5	4-5	4	4	-	-	-
0100	5	2-3	2-3	2	2-3	1-2	2-3	3	3-4	3-4
0300	5	5	-	-	-	-	3	4	-	-
0400	5	5	4-5	4-5	4	4-5	3	4	3-4	3-4

Assessment: The Tullaghobegly scored very similarly to the 2009 survey - slight pollution noted over the length surveyed in July 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	75m u/s Bridge 1.5km d/s Lough Altan.	193774	426110	1	DL
0100	Bridge 1.5 km d/s Lough Altan.	193618	426266	1	DL
0300	Big Bridge .	193295	430434	1	DL
0400	Bellina Bridge	192500	432072	1	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	128	17	96	4	0	1	62	0	2	8	27
0100	125	18	96	4	0	1	62	0	4	8	25
0400	13	30	86	14	13	1	53	1	11	5	16

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

NWIRBD: HYDROMETRIC AREA NO. 38

The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2010-2012.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Abberachrin	2012	38A01	0.0	5.0	0.0	0.0	0.0	5.0
Aighe	2012	38A03	0.0	2.0	0.0	0.0	1.0	3.0
Aspick	2012	38A02	0.0	0.0	3.0	0.0	0.0	3.0
Big Burn	2012	38B03	0.0	0.0	0.0	5.0	0.0	5.0
Bracky	2012	38B02	0.0	0.0	0.0	1.5	0.0	1.5
Bunlin	2012	38B04	0.0	4.0	0.0	0.0	0.0	4.0
Burnside	2012	38B05	0.0	4.0	0.0	0.0	0.0	4.0
Calabber	2012	38C01	4.0	3.5	0.0	0.0	0.0	7.5
Carrownamaddy	2012	38C02	0.0	6.5	0.0	0.0	0.0	6.5
Catheen	2012	38C03	0.0	0.0	0.0	4.0	0.0	4.0
Clady (Donegal)	2012	38C04	0.0	7.5	0.0	0.0	0.0	7.5
Corveen	2012	38C05	0.0	0.0	3.0	0.0	0.0	3.0
Cronaniv Burn	2012	38C06	2.0	0.0	0.0	0.0	0.0	2.0
Devlin (Donegal)	2012	38D01	0.0	5.0	0.0	0.0	0.0	5.0
Dungloe	2012	38D02	0.0	9.8	0.0	0.2	0.0	10.0
Duntally	2012	38D03	0.0	6.5	0.0	0.0	0.0	6.5
Duvoge	2012	38D05	0.0	3.0	0.0	0.0	0.0	3.0
Duvowen (Ray)	2012	38D04	0.0	0.0	2.5	0.0	0.0	2.5
Faymore	2012	38F01	0.0	7.0	0.0	0.0	0.0	7.0
Glen (Lackagh)	2012	38G04	0.0	4.0	0.0	1.5	0.0	5.5
Glen (Meenclady)	2012	38G05	0.0	4.0	0.0	0.0	0.0	4.0
Glenleheen Stream	2012	38G07	0.0	5.5	0.0	0.0	0.0	5.5
Glenna	2012	38G01	0.0	9.0	0.0	0.0	0.0	9.0
Glentornan	2012	38G06	0.0	2.5	0.0	0.0	0.0	2.5
Gweebarra	2012	38G02	9.0	4.0	1.0	0.0	0.0	14.0
Gweedore	2012	38G03	0.0	5.5	0.0	0.0	0.0	5.5
Keel Lough Stream	2012	38K01	0.0	2.0	1.0	2.0	0.0	5.0
Lough Agher Stream	2012	38L02	4.0	0.0	0.0	0.0	0.0	4.0
Loughkeel Burn	2012	38L03	0.0	2.0	0.0	0.0	0.0	2.0
Murlin	2012	38M03	0.0	0.0	0.0	5.0	0.0	5.0
Owenator	2012	38O01	0.0	8.0	0.0	0.0	0.0	8.0
Owenawillin	2012	38O10	0.0	3.0	0.0	0.0	0.0	3.0
Owencarrow	2012	38O03	4.6	3.4	0.0	0.0	0.0	8.0
Owencronahulla	2012	38O09	0.0	5.0	0.0	0.0	0.0	5.0
Owenea	2012	38O04	0.0	20.7	0.0	1.3	0.0	22.0
Owennamarve	2012	38O05	0.0	10.0	0.0	0.0	0.0	10.0
Owentocker	2012	38O06	0.0	17.0	0.0	0.0	0.0	17.0
Owenveagh	2012	38O14	4.0	0.0	0.0	0.0	0.0	4.0
Owenwee (Doocharry)	2012	38O07	2.8	3.3	0.0	0.0	0.0	6.0
Owenwee (Dunlewey)	2012	38O12	0.0	3.0	0.0	0.0	0.0	3.0
Owenwee (Glen Lough)	2012	38O13	2.0	0.0	0.0	0.0	0.0	2.0
Owenwee (Loughros)	2012	38O08	0.0	3.0	0.0	0.0	0.0	3.0
Port Stream	2012	38P01	0.0	0.0	2.0	0.0	0.0	2.0
Ray	2012	38R01	9.0	0.0	0.0	0.0	0.0	9.0
Shallogan	2012	38S03	0.0	0.0	6.0	0.0	0.0	6.0
Sruhanameel	2012	38S02	0.0	2.0	0.0	0.0	0.0	2.0

Hydrometric Area 38 (2012)

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Stracashel	2012	38S01	0.0	0.0	0.0	4.0	0.0	4.0
Tullaghobegley	2012	38T01	0.0	0.0	9.0	0.0	0.0	9.0
Total Length (km) surveyed this cycle			41.4	180.7	27.5	24.5	1.0	275.0
Adjustments (km) (See below)*			0.0	-2.5	0.0	4.0	0.0	1.5
Current Length (km) Adjusted			41.4	183.2	27.5	20.5	1.0	273.5
Percentages			15.1	67.0	10.1	7.5	0.4	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2010-'12		224.5	27.5	20.5	1.0	273.5	
Percentages			82.1	10.1	7.5	0.4	100.0	
Baseline: Previous Unadjusted Status (km)**	2007-'09		44.1	170.4	54.0	5.0	0.0	273.5
Percentages			16.1	62.3	19.7	1.8	0.0	100.0
Changes since Previous Survey (km)			-2.8	12.8	-26.5	15.5	1.0	0.0

* Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Catheen (38C03) added to the 2010-2012 programme while Cloghernagore (38C07) was not surveyed.

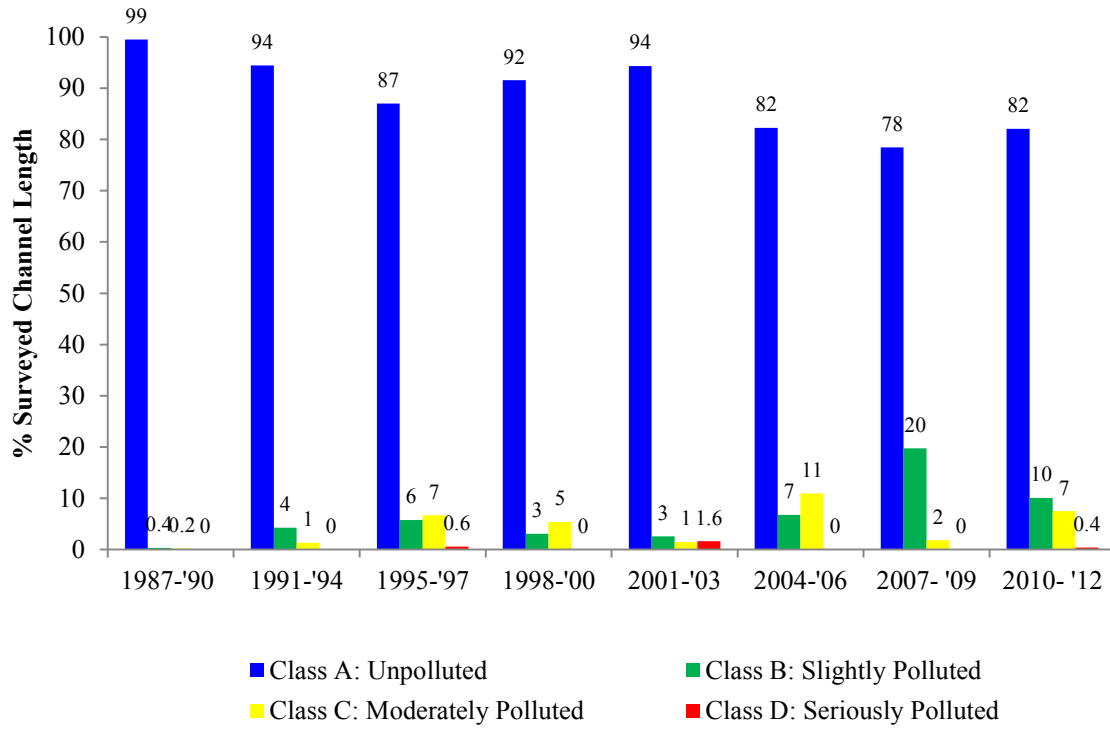
**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

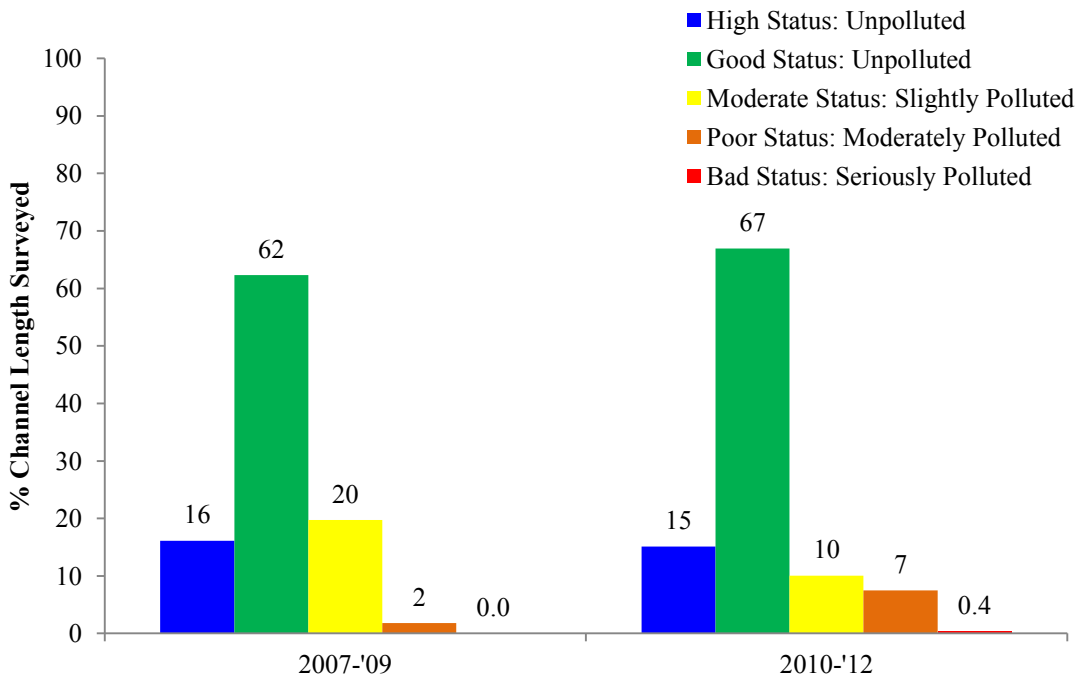
The number of sites at satisfactory (High & Good) & unsatisfactory (Moderate, Poor, Bad) status in the last two macroinvertebrate survey cycles (2007-'09 and 2010-'12).

Number of sites at WFD status	2007-'09	2010-'12
High	9	7
Good	32	37
Moderate	15	8
Poor	4	13
Bad	0	1
Total number of sites surveyed	60	66
Total number of sites at unsatisfactory status	19	22

Hydrometric Area 38 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 38: Trends
 % Surveyed Channel Length in Five WFD Quality Classes



ADDITIONAL SURVEYS 2012

Seriously Polluted and Investigative Sites

HYDROMETRIC AREA 13 (Cleristown Stream & Tintern Abbey Stream)

CLERISTOWN STREAM	13C04
TINTERN ABBEY STREAM	13T01

River and Code : **CLERISTOWN STREAM** **13/C/04**
 Tributary of : 13B01 BRIDGETOWN (WEXFORD) OS Catchment No: 179
 OS Grid Ref of Confluence: S 974 095
 Date(s) Surveyed: 23/5/2012

Station Nos.	Biological Quality Ratings (Q Values)							
	1993	1996	1998	2002	2004	2007	2010	2012
0200	3	4	3-4	4	3-4	-	1	3*
0400	4	3	3-4	4	2-3	4	3	-

Assessment: The lack of sensitive macroinvertebrate fauna indicated a slight improvement from bad to unsatisfactory poor ecological conditions at Brownstown Bridge (0200) in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Brownstown Br	296469	112734	77	WX
0400	Castle Br	297051	110211	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	25	4	100	0	74	2	0	0	24	0	0
0400	9	16	75	25	55	6	0	0	39	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **TINTERN ABBEY STREAM**

13/T/01

Tributary of : Sea - at Bannow Bay

OS Catchment No: j2

OS Grid Ref of Confluence: S 794 100

Date(s) Surveyed: 23/5/2012

Station Nos.	Biological Quality Ratings (Q Values)										
	1987	1988	1991	1994	1996	1998	2002	2004	2007	2010	2012
0300	2	2	-	3	-	-	-	-	-	-	-
0400	2	2-3	-	-	-	-	-	-	-	-	-
0900	4-5	-	3	-	3	3	4	3	3*	n/s	3*

Assessment: The complete lack of sensitive macroinvertebrate fauna and excessive siltation continues to indicate poor ecological conditions at Tintern Abbey (0900).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br 1.5km SW of Rathumney	0	0	0	WX
0400	Br W. of Burkestown Cross-Roads	0	0	0	WX
0900	Bridge near Tintern Abbey	279387	109968	76	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0900	7	21	100	0	37	2	0	0	58	0	3

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

HYDROMETRIC AREA 26 (Jiggy (Hind) & Laurencetown Stream)

# JIGGY (HIND) *	26J01
LAURENCETOWN STREAM	26L07

indicates rivers having seriously polluted stretches at time of this survey.

* JIGGY (HIND) Previously reported as North Branch on Hind 26H01

River and Code : **JIGGY (HIND)**
 Tributary of : 26H01 HIND
 OS Grid Ref of Confluence: M 879 619
 Date(s) Surveyed: 5/9/2012

26/J/01
 OS Catchment No: 155

Previously reported as North Branch on Hind 26H01

Station Nos.	Biological Quality Ratings (Q Values)												
	1987	1989	1990	1992	1996	1999	2002	2005	2007	2008	2009	2011	2012
0090	1-2	2	2	1-2	1-2	1-2	2	1-2	2	2	1-2	2	2

Assessment: Serious pollution continues to be a feature of the Jiggy in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Br WSW Ardsallagh Beg	187566	263388	40	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	45	14	0	100	84	0	0	16	0	0	0

Alt is in metres Area is km2 and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

River and Code : **LAURENCETOWN STREAM**

26/L/07

Tributary of : 26S07 SUCK

OS Catchment No: 156

OS Grid Ref of Confluence: M 930 253

Date(s) Surveyed: 5/9/2012

Station Nos.	Biological Quality Ratings (Q Values)									
	1987	1992	1994	1996	1999	2002	2006	2009	2011	2012
0200	3	3-4	-	-	-	-	-	-	-	-
0270	-	-	3	-	-	-	-	-	-	-
0290	-	-	2-3	-	-	-	-	-	-	-
0300	3	2-3	2	2	1	2-3	1	1	1-2	1-2
0500	3-4	3	-	2-3	3	2-3	2	3	3	-

Assessment: The Laurencetown Stream remains seriously polluted at site 0300 in 2012.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	E. Br N.N.E. of Laurencetown	189501	221057	47	GY
0270	300 m u/s Br E Sycamore Hill	0	0	0	GY
0290	20 m u/s Br E Sycamore Hill	0	0	0	GY
0300	Br NW Ballyhoose (West Br)	189277	221640	47	GY
0500	Bridge near Kylemore Bridge	192193	224097	47	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	52	10	0	100	90	0	1	2	7	0	1
0300	49	11	0	100	88	0	1	3	7	0	2
0500	40	20	0	100	78	0	2	2	11	0	8

Alt is in metres Area is km² and Sil, Cal are % siliceous and calcareous bedrock and Pasture, Forestry, etc., are % of catchment area.

AN GHNÍOMHAIREACHT UM CHAOMHNÚ COMHSHAOIL

Tá an Gníomhaireacht um Chaomhnú Comhshaoil (GCC) freagrach as an gcomhshaoil a chaomhnú agus a fheabhsú mar shócmhainn luachmhar do mhuintir na hÉireann. Táimid tiomanta do dhaoine agus don chomhshaoil a chosaint ó éifeachtaí díobhálacha na radaíochta agus an truaillithe.

Is féidir obair na Gníomhaireachta a roinnt ina trí phríomhréimse:

Rialú: Déanaimid córais éifeachtacha rialaithe agus comhlionta comhshaoil a chur i bhfeidhm chun torthaí maithe comhshaoil a sholáthar agus chun díriú orthu siúd nach gcloíonn leis na córais sin.

Eolas: Soláthraimid sonraí, faisnéis agus measúnú comhshaoil atá ar ardchaighdeán, spríodhíre agus tráthúil chun bonn eolais a chur faoin gcinnteoireacht ar gach leibhéal.

Tacaíocht: Bimid ag saothrú i gcomhar le grúpaí eile chun tacú le comhshaoil atá glan, táirgiúil agus cosanta go maith, agus le hiompar a chuirfidh le comhshaoil inbhuanaithe.

Ár bhFreagrachtaí

Ceadúnú

Déanaimid na gníomhaíochtaí seo a leanas a rialú ionas nach ndéanann siad dochar do shláinte an phobail ná don chomhshaoil:

- saoráidí dramhaíola (*m.sh. láithreáin líonta talún, loisceoirí, stáisiúin aistriúcháin dramhaíola*);
- gníomhaíochtaí tionsclaíocha ar scála mór (*m.sh. déantúsaíocht cógaisíochta, déantúsaíocht stroighne, stáisiúin chumhachta*);
- an diantalmhaíocht (*m.sh. muca, éanlaith*);
- úsáid shrianta agus scaoileadh rialaithe Orgánach Géinmhodhnaithe (*OGM*);
- foinsí radaíochta ianúcháin (*m.sh. trealamh x-gha agus radaiteiripe, foinsí tionsclaíocha*);
- áiseanna móra stórála peitрил;
- scardadh dramhuisce;
- gníomhaíochtaí dumpála ar farraige.

Forfheidhmiú Náisiúnta i leith Cúrsaí Comhshaoil

- Clár náisiúnta iniúchtaí agus cigireachtaí a dhéanamh gach bliain ar shaoráidí a bhfuil ceadúnas ón nGníomhaireacht acu.
- Maoirseacht a dhéanamh ar fhreagrachtaí cosanta comhshaoil na n-údarás áitiúil.
- Caighdeán an uisce óil, arna sholáthar ag soláthraithe uisce phoiblí, a mhaoirsiú.
- Obair le húdarás áitiúla agus le gníomhaireachtaí eile chun dul i ngleic le coireanna comhshaoil trí chomhordú a dhéanamh ar líonra forfheidhmiúcháin náisiúnta, trí dhírú ar chiontóirí, agus trí mhaoirsiú a dhéanamh ar leasúchán.
- Cur i bhfeidhm rialachán ar nós na Rialachán um Dhrámhthrealamh Leictreach agus Leictreonach (DTLL), um Shrian ar Shubstaintí Guaiseacha agus na Rialachán um rialú ar shubstaintí a ídionn an ciseal ózóin.
- An dlí a chur orthu siúd a bhriseann dlí an chomhshaoil agus a dhéanann dochar don chomhshaoil.

Bainistíocht Uisce

- Monatóireacht agus tuairisciú a dhéanamh ar cháilíocht aibhneacha, lochanna, uisce idirchriosacha agus cósta na hÉireann, agus screamhuisc; leibhéal uisce agus sruthanna aibhneacha a thomhas.
- Comhordú náisiúnta agus maoirsiú a dhéanamh ar an gCreat-Treoir Uisce.
- Monatóireacht agus tuairisciú a dhéanamh ar Cháilíocht an Uisce Snámha.

Monatóireacht, Anailís agus Tuairisciú ar an gComhshaoil

- Monatóireacht a dhéanamh ar cháilíocht an aeir agus Treoir an AE maidir le hAer Glan don Eoraip (CAFÉ) a chur chun feidhme.
- Tuairisciú neamhspleách le cabhrú le cinnteoireacht an rialtais náisiúnta agus na n-údarás áitiúil (*m.sh. tuairisciú tréimhsiúil ar staid Chomhshaoil na hÉireann agus Tuarascálacha ar Tháscairí*).

Rialú Astaíochtaí na nGás Ceaptha Teasa in Éirinn

- Fardail agus réamh-mheastacháin na hÉireann maidir le gáis ceaptha teasa a ullmhú.
- An Treoir maidir le Trádáil Astaíochtaí a chur chun feidhme i gcomhair breis agus 100 de na táirgeoirí dé-ocsaíde carbóin is mó in Éirinn.

Taighde agus Forbairt Comhshaoil

- Taighde comhshaoil a chistiú chun brúnna a shainnaint, bonn eolais a chur faoi bheartais, agus réitigh a sholáthar i réimsí na haeráide, an uisce agus na hinbhuanaitheachta.

Measúnacht Straitéiseach Timpeallachta

- Measúnacht a dhéanamh ar thionchar pleananna agus clár beartaithe ar an gcomhshaoil in Éirinn (*m.sh. mórfheananna forbartha*).

Cosaint Raideolaíoch

- Monatóireacht a dhéanamh ar leibhéal radaíochta, measúnacht a dhéanamh ar nochtadh mhuintir na hÉireann don radaíocht ianúcháin.
- Cabhrú le pleananna náisiúnta a fhorbairt le haghaidh éigeandálaí ag eascairt as tairmí núicléacha.
- Monatóireacht a dhéanamh ar fhorbairtí thar lear a bhaineann le saoráidí núicléacha agus leis an tsábháilteacht raideolaíochta.
- Sainseirbhísí cosanta ar an radaíocht a sholáthar, nó maoirsiú a dhéanamh ar sholáthar na seirbhísí sin.

Treoir, Faisnéis Inrochtana agus Oideachas

- Comhairle agus treoir a chur ar fáil d'earnáil na tionsclaíochta agus don phobal maidir le hábhair a bhaineann le caomhnú an chomhshaoil agus leis an gcosaint raideolaíoch.
- Faisnéis thráthúil ar an gcomhshaoil ar a bhfuil fáil éasca a chur ar fáil chun rannpháirtíocht an phobail a spreagadh sa chinnteoireacht i ndáil leis an gcomhshaoil (*m.sh. Timpeall an Tí, léarscáileanna radóin*).
- Comhairle a chur ar fáil don Rialtas maidir le hábhair a bhaineann leis an tsábháilteacht raideolaíoch agus le cúrsaí práinnfhreagartha.
- Plean Náisiúnta Bainistíochta Dramhaíola Guaisí a fhorbairt chun dramhaíl ghuaiseach a chosaint agus a bhainistiú.

Múscaill Feasachta agus Athrú Iompraíochta

- Feasacht chomhshaoil níos fearr a ghiniúint agus dul i bhfeidhm ar athrú iompraíochta dearfach trí thacú le gnóthais, le pobail agus le teaghlaigh a bheith níos éifeachtúla ar acmhainní.
- Tástáil le haghaidh radóin a chur chun cinn i dtithe agus in ionaid oibre, agus gníomhartha leasúcháin a spreagadh nuair is gá.

Bainistíocht agus struchtúr na Gníomhaireachta um Chaomhnú Comhshaoil

Tá an ghníomhaíocht á bainistiú ag Bord Iáinimseartha, ar a bhfuil Ard-Stiúrthóir agus cúigear Stiúrthóirí. Déantar an obair ar fud cúig cinn d'Oifigí:

- An Oifig um Inmharthanacht Comhshaoil
- An Oifig Forfheidhmithe i leith cúrsaí Comhshaoil
- An Oifig um Fianaise is Measúnú
- An Oifig um Cosaint Raideolaíoch
- An Oifig Cumarsáide agus Seirbhísí Corparáideacha

Tá Coiste Comhairleach ag an nGníomhaireacht le cabhrú léi. Tá dáréag comhaltáí air agus tagann siad le chéile go rialta le plé a dhéanamh ar ábhair inní agus le comhairle a chur ar an mBord.

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