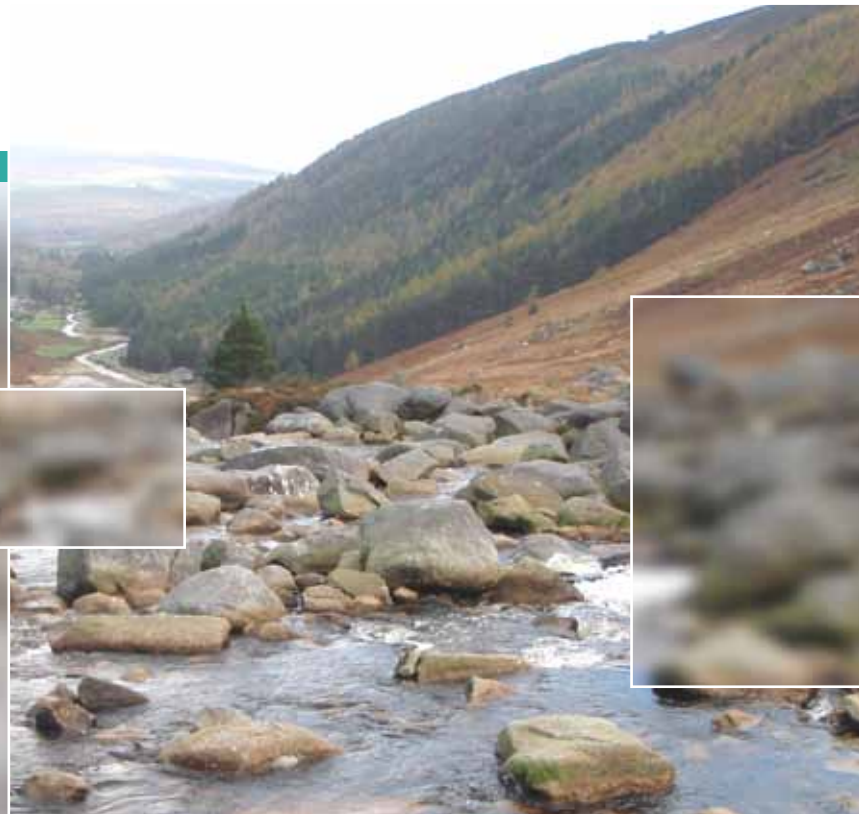


Interim Report on the Biological Survey of River Quality

Results of the 2009 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.

Strategic Environmental Assessment

- 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.



Interim Report on the Biological Survey of River Quality

Results of the 2009 Macroinvertebrate Investigations

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**Interim Report on the Biological Survey of River Quality
Results of the 2009 Macroinvertebrate Investigations**

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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 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 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 (S.I. 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 997 survey visits were carried out on 502 rivers & streams in 2009. A total of 14 hydrometric areas were surveyed in full while two hydrometric area (HA 25 and 26) was partially surveyed.

The 2009 Interim Biological (aquatic macroinvertebrate) Results are presented in Hydrometric Order. The Summary statistics are shown at the end of each Hydrometric Area for the 2007 – 2009 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 pie-chart is also presented for the current (2007 – 2009) 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 2009 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/.

References

Clabby, K. J., Bradley, C., Craig, M., Daly, D., Lucey, J., McGarrigle, M., O’Boyle, S.,

Tierney, D. & Bowman, J. 2008. *Water Quality in Ireland 2004–2006*. Environmental Protection Agency, Ireland.

EPA 2006. *Ireland Water Framework Directive Monitoring Programme*. Environmental Protection Agency, Ireland.

Toner, P., Bowman, J., Clabby, K., Lucey, J., McGarrigle, M., Concannon, C., Clenaghan, C., Cunningham, P., Delaney, J., O’Boyle, S., MacCarthaigh, M., Craig M. and Quinn, R., 2005. *Water Quality in Ireland 2001 – 2003*. Environmental Protection Agency, Ireland.

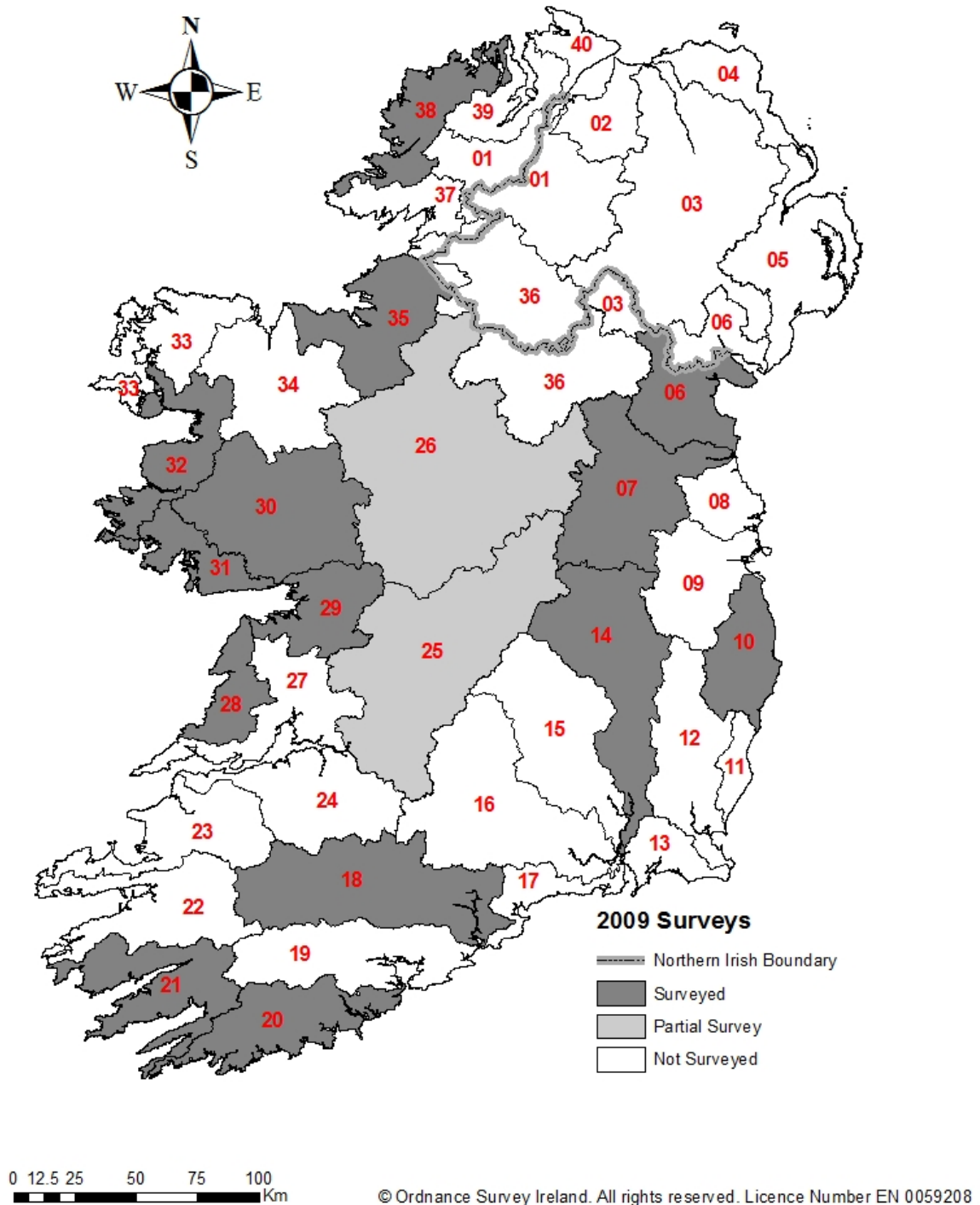
Table 1: The EPA Q-value classification system and its relationship to water quality

Q Value	Ecological 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.

2009 INTERIM BIOLOGICAL (MACROINVERTEBRATE) REPORTS

Principal Hydrometric Areas Surveyed



HYDROMETRIC AREA 06 (Newry, Fane, Glyde & Dee)	
BALLYMASCANLAN	06B02
BIG (LOUTH)	06B01
CARRICKASLANE LOUGH STREAM *	06C04
CASTLETOWN	06C01
COUNTY WATER	06C03
CULLY WATER	06C02
DEE	06D01
DRUMSALLAGH STREAM *	06D07
FANE	06F01
FLURRY	06F02
GENTLE OWEN'S LAKE STREAM *	06G04
GLYDE	06G02
KILCURRY	06K02
KILLARY WATER	06K01
KILMAINHAM *	06K04
MAGHERACLOONE STREAM *	06M01
PROULES	06P01
TERMONFECKIN	06T01
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: 5/10/2009

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

Assessment: A welcome improvement in ecological condition was noted at Jonesborough Bridge (0100) in 2009, however the macroinvertebrate fauna continue to indicate unsatisfactory ecological conditions at the survey location.

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 : **BIG (LOUTH)**
 Tributary of :
 OS Grid Ref of Confluence: J 168 054
 Date(s) Surveyed: 25/6/2009

06/B/01
 OS Catchment No: 90

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1973	1978	1980	1982	1984	1986	1990	1991	1994	1997	2000	2003	2006	2009
0100	-	-	5	5	5	5	5	5	-	5	4-5	4-5	4-5	4	4
0200	5	5	4-5	4-5	4	4	4	3	-	-	-	-	-	-	-
0300	1/0	1	1	2	1	1	1-2	2	2	4-5	3-4	4	4	3-4	3
0400	-	-	-	1-2	1/0	1/0	1/0	3	-	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated good ecological conditions in the upper reaches at 0100 in 2009. However, a further deterioration in ecological condition was noted in the lower reaches at Riverstown Bridge with oil pollution evident. Bank erosion was also noted. The restricted and unbalanced macroinvertebrate fauna at 0300 indicated a return to unsatisfactory conditions downstream of an industrial complex.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballygoly Br	315156	309883	36	LH
0200	Br u/s Riverstown Br	316323	307400	36	LH
0300	Riverstown Br	316519	306642	36	LH
0400	0.5km d/s Riverstown Br	316778	306270	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	94	11	98	2	34	3	29	0	0	0	33
0200	33	24	96	4	46	3	27	0	4	0	20
0300	22	25	93	7	46	3	26	0	5	0	20
0400	12	25	92	8	46	3	26	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 : **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: 23/9/2009

Formerly Carrickaslane Lough Branch of Fane River

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

Assessment: Carrickaslane Lough Stream continues to be of unsatisfactory ecological condition, with no change of status in 2009.

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: 18/6/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1974	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009
0050	-	-	-	-	-	-	4	4	4-5	3	3	3
0100	5	-	5	5	5	4-5	-	-	-	-	-	-
0200	4-5	5	5	4-5	4-5	4-5	4	4	4	4	3-4	-
0300	4-5	4	4-5	3-4	4	3-4	-	-	-	-	-	-
0310	-	-	-	-	-	-	3-4	4	4-5	4	3-4	4

Assessment: Continuing unsatisfactory conditions were observed at Ballybinaby Bridge in 2009, as indicated by excessive numbers of pollution tolerant taxa. Slight improvement was noted in the lower reaches at 0310 where the macroinvertebrate fauna indicated good ecological conditions.

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: 23/9/2009

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

Assessment: Improvements in ecological quality have been maintained at both sites on the County Water in 2009. Although ecological conditions are now good at County Bridge (0050), the lower reaches are still unsatisfactory at Station 0170, as indicated by the dominance of pollution tolerant macroinvertebrate species.

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: 24/6/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1978	1982	1986	1990	1994	1997	2000	2003	2006	2009
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

Assessment: The macroinvertebrate fauna indicated good ecological conditions on the Cully Water just upstream of the Kilcurry River confluence in June 2009.

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: 1/10/2009, 30/9/2009

06/D/01
 OS Catchment No: 96

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1977	1978	1980	1983	1986	1990	1994	1997	2000	2003	2006	2009
0016	-	-	-	-	-	-	-	4-5	4	4	3-4	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
0150	-	-	-	-	3-4	4	-	-	-	-	-	-	-	-
0200	4	3-4	-	2-3	3-4	4	4	4	3	3	3-4	3-4	3-4	3
0300	4-5	4	-	3	4	4	3-4	4-5	-	-	-	-	-	-
0360	-	-	-	-	-	-	-	4	3-4	3-4	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	4-5	4	3-4	4	4	4-5	3-4	4-5	3-4	3	4	4	4	4
0680	-	-	-	-	-	4	4	4	3-4	3-4	4	3-4	-	-
0700	-	2	3-4	3-4	3	3-4	3	4	-	-	-	-	-	-
0710	-	-	-	-	-	-	-	4	3-4	3-4	3-4	3	3	3
0790	-	-	-	-	-	-	-	-	-	-	-	-	3-4	-
0800	4	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	4	3-4	3	3-4	3-4	3-4	3-4	3	3	3-4	3	3-4	3-4
1100	-	-	-	-	4	4	4	3-4	-	-	-	-	-	-

Assessment: Of the seven sites sampled on the River Dee in 2009, only two were considered to be in a satisfactory ecological condition. A general lack of sensitive macroinvertebrate species, enhanced macrophyte growth and excessive siltation was a feature of many sites in 2009. The Ervy Lough Branch continues to be influenced by cattle access, with unsatisfactory ecological conditions recorded again in 2009. The Main channel has remained in similar ecological condition to 2006, although an unsatisfactory decline in ecological conditions were recorded at Deegvee Bridge (0200). Poor conditions remain at Station 0710, with strong evidence of sewage pollution at this location below the town of Ardee.

Hydrometric Area 06 (2009)

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
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
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: 30/9/2009

Formerly: 06G02 Glyde Drumsallagh Branch

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

Assessment: The macroinvertebrate fauna indicated continuing good ecological conditions on the Drumsallagh Stream in 2009, including a return to high quality in the lower reach at County bridge (0070).

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**

06/F/01

Tributary of :

OS Catchment No: 94

OS Grid Ref of Confluence: J 064 018

Date(s) Surveyed: 23/9/2009, 25/9/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1976	1980	1982	1986	1990	1994	1997	2000	2003	2006	2007	2009
0080	-	-	-	-	-	-	4	-	-	-	-	-	-	-
0155	-	-	-	-	-	-	-	2-3	2-3	2-3	2-3	2/0	3	3
0180	-	-	-	-	-	-	-	3	3	3	3	3	-	-
0200	4	-	3-4	4	3-4	3-4	3-4	3	3-4	3	3	3-4	-	3-4
0300	3	-	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
0500	5	-	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
0700	5	5	5	5	4	4	5	4	4-5	4-5	4	3-4	-	-
0800	-	-	-	4	4	4	4	-	-	-	-	-	-	-
0900	5	5	5	4	4-5	-	4	3-4	4-5	4-5	4	4	-	4
1000	-	-	-	4-5	4-5	-	-	-	-	-	-	-	-	-

Assessment: The Fane river was in a generally unsatisfactory ecological condition when surveyed in 2009. The Carrickaslane Lough branch (0155), and Ballynacarry Br (just downstream of Lough Muckno) displayed poor ecological condition, characterised by the dominance of pollution tolerant macroinvertebrate fauna. Heavy siltation was recorded upstream of Lough Muckno at Derrycreevy Bridge (0200). The lower reaches of the Fane fared better with satisfactory ecological conditions recorded at Inniskeen and Stephenstown Bridges (0650 & 0900), although increased siltation was observed at 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 (2009)

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 : **FLURRY**
 Tributary of :
 OS Grid Ref of Confluence: J 075 097
 Date(s) Surveyed: 24/6/2009

06/F/02
 OS Catchment No: 91

Station Nos.	Biological Quality Ratings (Q Values)											
	1978	1980	1982	1984	1986	1990	1994	1997	2000	2003	2006	2009
0100	4-5	4-5	4-5	4	4	3	3-4	3/0	3	3	3	3
0200	-	4-5	4-5	1/0	4	3-4	-	-	-	-	-	-
0300	4-5	4-5	5	4-5	4-5	4-5	4-5	4	3	3	3-4	-
0400	4	5	5	4	4	4	-	-	-	-	-	-
0600	3	2	1-2	2-3	2-3	3	3-4	4	-	-	-	-
0700	-	3-4	1-2	3	3	4	3-4	4	3	3	3-4	3-4

Assessment: The Flurry remains in unsatisfactory ecological condition in 2009, a situation which has persisted unchanged since 2000. Excessive algal growth was noted at Ballymascanlan Bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Flurry Br	307242	317697	29	LH
0200	Just W of Ravensdale Ho	307779	316117	29	LH
0300	Curralhir Br	308151	314457	29	LH
0400	Thompson's Br	308686	312556	29	LH
0600	Proleek: Br near old Smithy	308639	311293	29	LH
0700	Ballymascanlan Br	308137	310098	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	94	0	100	0	27	0	0	69	4	0	0
0200	77	3	100	0	37	43	0	5	0	0	15
0300	62	8	100	0	20	46	11	2	0	0	22
0400	40	14	99	0	27	29	13	1	0	0	31
0600	21	24	98	2	35	18	17	1	0	0	30
0700	5	25	92	8	38	17	16	1	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 : **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: 23/9/2009

Formerly: 06F01 Fane East Branch

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

Assessment: Cattle access continues to be a problem at Creaghanroe (0040), with banks badly destroyed by cattle movement. Despite this, satisfactory ecological conditions remain at this location. A welcome improvement in quality was noted downstream of Muckno Mill Lough (0100), but the site remains in unsatisfactory ecological condition.

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**

06/G/02

Tributary of :

OS Catchment No: 95

OS Grid Ref of Confluence: O 090 940

Date(s) Surveyed: 5/10/2009, 25/9/2009, 30/9/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1977	1978	1979	1981	1983	1985	1990	1994	1997	2000	2003	2006	2009
0100	-	-	3	-	4-5	4	5	4-5	4-5	4-5	4-5	4	4	4
0200	4-5	-	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
0500	4	4	-	3-4	4	3-4	3-4	3	3	-	4	4	-	4
0600	4-5	4-5	-	4	4	5	4-5	4-5	4	3-4	4	4	3-4	4
0700	4-5	4	-	-	-	4	4	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
1001	4-5	4-5	-	4	4	4	3-4	4	-	-	-	-	-	-
1002	-	-	-	-	1	1	2-3	4	3	4	4	4-5	4	-
1100	-	-	-	-	-	-	3	-	-	-	-	-	-	-
1200	3/0	3-4	-	3-4	3-4	4	3	3-4	3-4	3-4	3-4	3-4	3-4	4
1240	-	-	-	-	-	-	-	3	-	-	-	-	-	-

Assessment: Ecological conditions were found to be satisfactory across all stations sampled on the River Glyde in 2009 for the first time since sampling began. There were welcome improvements in the lower reaches at both 0600 and at Castlebellingham (1200). Cattle access remains a problem at Cormey Bridge (0100), while excessive siltation and heavy macrophyte growth were noted at Aclint Bridge (0500).

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
1240	1.5km d/s Castlebellingham Br	306868	294568	36	LH

Hydrometric Area 06 (2009)

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
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: 24/6/2009

06/K/02

OS Catchment No: 92

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

Assessment: Continuing satisfactory conditions in the Kilcurry River in 2009.

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: 1/10/2009

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

Assessment: An unwelcome decline in ecological condition in the Killary Water was noted in 2009, with poor quality recorded upstream of the Dee River confluence (0500).

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: 30/9/2009

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
0055	-	-	-	-	-	-	-	4	3-4	4	4	4	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

Assessment: Continuing satisfactory conditions at both sites surveyed.

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: 30/9/2009

Formerly Magheracloone Branch of the Glyde River 06G02

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

Assessment: Good ecological conditions continue on the Magheracloone Stream in 2009.

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: 29/7/2009, 30/7/2009

06/P/01
 OS Catchment No: 95

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1976	1978	1980	1982	1984	1990	1991	1994	1997	2000	2003	2006	2009
0100	5	-	5	5	5	4	4-5	5	-	4	4-5	-	-	-	-
0110	-	-	-	-	-	-	-	3	-	-	-	4-5	4-5	4	4
0200	1	1	1-2	2-3	3	4	4	4	-	-	-	-	-	-	-
0300	1	1	1	3	1	3	3-4	1-2	1-2	2-3	2	2-3	2-3	2-3	n/s
0400	2	2	2-3	2-3	2	3-4	3	2	2	2	2	2-3	3	-	-
0500	3	3	3	4	4	4	4-5	3-4	-	-	-	-	-	-	-
0600	4	-	4	3-4	4	4	4	3-4	-	3	3	3-4	3	3-4	3-4

Assessment: The Proules River continues to be in a satisfactory condition upstream of the sewage discharge at Carrickmacross (0110) in 2009 but remains unsatisfactory downstream (0600). Sampling at 0300 proved impossible due to new housing development.

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 : **TERMONFECKIN**

06/T/01

Tributary of :

OS Catchment No: 97

OS Grid Ref of Confluence: O 156 804

Date(s) Surveyed: 29/7/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1978	1983	1986	1990	1994	1997	2000	2003	2006	2009
0100	4	-	-	-	-	-	-	-	-	-
0200	3	-	-	-	-	-	-	-	-	-
0250	-	3-4	3	3	-	-	-	-	-	-
0300	4	-	4	3	3	3	-	-	-	-
0350	-	3-4	3	3	-	-	3*	3*	3/0	3
0400	-	3-4	3	2-3	3	3/0	3-4	3-4	3-4	-

Assessment: Continuing unsatisfactory conditions recorded in the Termonfeckin stream in 2009. Poor ecological quality was observed at Sandpit Bridge (0350), characterised by excessive silt and dominance of pollution tolerant macroinvertebrate taxa.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Kiltallagh Ho	311637	282213	36	LH
0200	Br W of Sandpit Bridge	309334	282213	0	
0250	Sandpit Br	311637	282098	36	LH
0300	Channelrow Br	311580	280960	36	LH
0350	Sandpit Br	311830	282094	36	LH
0400	Br in Termonfeckin	313905	280448	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	34	8	100	0	77	0	0	0	23	0	0
0250	36	2	100	0	67	0	0	0	33	0	0
0350	33	10	100	0	75	0	0	0	25	0	0
0400	15	23	100	0	69	0	0	0	31	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: 5/10/2009, 29/7/2009

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1976	1978	1980	1982	1986	1990	1991	1994	1997	2000	2003	2006	2009
0040	-	-	-	-	-	-	-	4	-	4-5	4-5	3-4	4	4	4
0080	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
0100	-	-	-	3-4	4-5	3-4	4-5	4-5	-	4	4	3-4	3-4	-	-
0200	4	3	3	3-4	4	4-5	4-5	4	-	-	-	-	-	3-4	4
0290	-	-	-	-	-	-	-	3-4	-	3	3	3-4	3-4	-	-
0300	-	-	-	2/0	3	4-5	4-5	2-3	-	-	-	-	-	-	-
0500	2-3/0	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

Assessment: The upper reaches of the White river, upstream of Dunleer, maintained a satisfactory condition in July 2009. There was a welcome increase from unsatisfactory to good status at Athclare Bridge (0200). The lower reaches however, at Coneyburrow Bridge (0500) remains unsatisfactory with heavy siltation and excessive algal growth. Cattle access should be restricted and fencing is recommended here.

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
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
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 2007-2009.

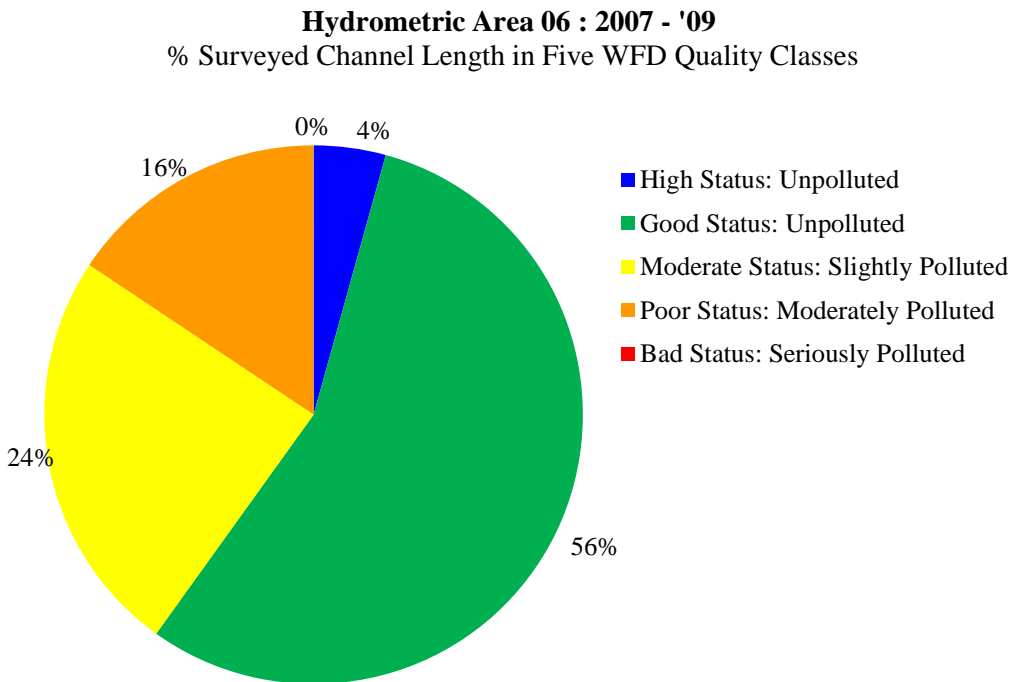
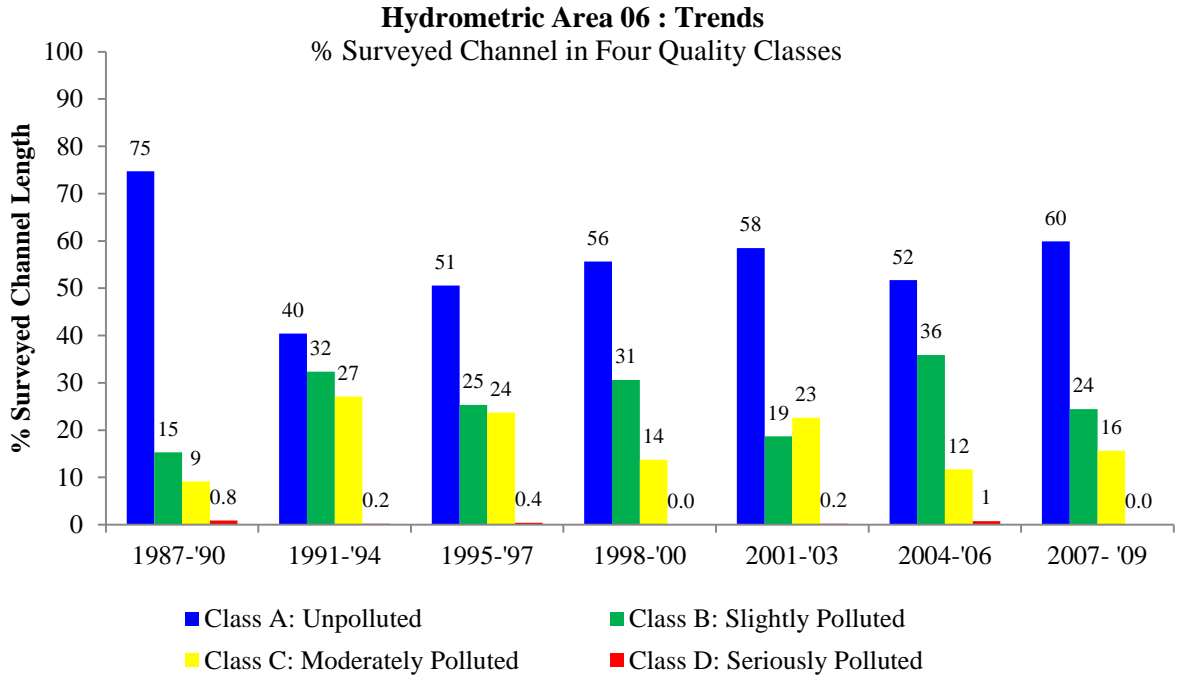
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballymascanlan	2009	06B02	0.0	0.0	5.0	0.0	0.0	5.0
Big (Louth)	2009	06B01	0.0	8.0	0.0	2.0	0.0	10.0
Carrickaslane Lough Stream	2009	06C04	0.0	0.0	0.0	1.0	0.0	1.0
Castletown	2009	06C01	0.0	4.3	5.1	4.2	0.0	13.5
County Water	2009	06C03	0.0	5.3	4.8	2.4	0.0	12.5
Cully Water	2009	06C02	0.0	6.5	0.0	0.0	0.0	6.5
Dee	2009	06D01	0.0	24.1	16.0	9.4	0.0	49.5
Drumsallagh Stream	2009	06D07	3.3	3.7	0.0	0.0	0.0	7.0
Fane	2009	06F01	0.0	17.5	7.2	13.9	0.0	38.5
Flurry	2009	06F02	0.0	0.0	8.5	2.0	0.0	10.5
Gentle Owen's Lake Stream	2009	06G04	0.0	6.5	1.0	0.0	0.0	7.5
Glyde	2009	06G02	7.8	32.2	0.0	0.0	0.0	40.0
Kilcurry	2009	06K02	0.0	6.5	0.0	0.0	0.0	6.5
Killary Water	2009	06K01	0.0	0.0	5.5	1.0	0.0	6.5
Kilmainham	2009	06K04	0.0	8.0	0.0	0.0	0.0	8.0
Magheracloone Stream	2009	06M01	0.0	5.0	0.0	0.0	0.0	5.0
Proules	2009	06P01	0.0	3.3	3.7	3.0	0.0	10.0
Termonfeckin	2009	06T01	0.0	0.0	3.5	1.5	0.0	5.0
White (Louth)	2009	06W01	0.0	12.4	2.6	0.0	0.0	15.0
Total Length (km) surveyed this cycle	2009		11.1	143.2	62.9	40.3	0.0	257.5
Adjustments (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Percentages			4.3	55.6	24.4	15.6	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current adjusted Status (km)	2007- '09		154.3	62.9	40.3	0.0	257.5	
Percentages			59.9	24.4	15.6	0.0	100.0	
Baseline: Previous unadjusted Status (km)**	2004- '06		137.0	92.5	26.0	2.0	257.5	
Percentages			53.2	35.9	10.1	0.8	100.0	
Changes since Previous Survey (km)			17.3	-29.6	14.3	-2.0	0.0	

Raskeagh (06R02) & Ballykelly (06B03) discontinued in 2001- '03 period.

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

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics



HYDROMETRIC AREA 07 (Boyne)	
ATHBOY	07A01
BLACKWATER (KELLS)	07B01
BLACKWATER (LONGWOOD)	07B02
BOYCETOWN	07B03
BOYNE	07B04
CASTLEJORDAN	07C04
CLADY (MEATH) *	07C01
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
MOYNALTY	07M03
MULLAGH LOUGH STREAM *	07M06
NADREEGEEL LOUGH STREAM	07N01
RIVERSTOWN	07R01
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**

07/A/01

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 774 566

Date(s) Surveyed: 17/6/2009, 23/7/2009, 24/7/2009, 27/7/2009

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

Assessment: With the exception of two locations (0020, 0100), the Athboy River was in a generally unsatisfactory ecological condition when sampled in 2009. A welcome improvement from moderate to slight pollution was noted at station 0300 downstream of Athboy. The macroinvertebrate communities indicated a decline in ecological status at stations 0050 and 0500.

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: 8/7/2009, 9/7/2009, 22/7/2009, 23/7/2009

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
0100	-	-	3-4	-	-	4-5	4	4-5	4-5	-	-	-	-	4	4	4-5	4-5	4	4
0170	-	-	-	-	1	-	1	1	1	1	2	1	1	2	2-3	2	2-3	2-3	3
0200	1	-	1-2	-	-	1	1	1	1/0	1	1	1	1	2	-	-	-	-	-
0280	-	-	-	-	-	-	-	-	-	-	-	-	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
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
0600	-	-	-	-	-	4	4	3-4	3-4	-	-	-	3-4	3-4	3-4	3-4	3-4	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
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
1100	5	-	4-5	-	-	4	4	-	4	-	-	-	4	4	4	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
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
1790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	-	3-4
1800	4-5	4-5	-	4	4-5	-	4	-	3-4	-	-	-	4	3-4	3	-	-	-	-

Assessment: As in 2006, the Blackwater (Kells) River was in a generally unsatisfactory ecological condition at the majority of stations surveyed in 2009. A slight improvement was noted at station 0170 (Lear Br) with some sensitive mayfly species recorded for the first time since sampling began at this station. The continued dominance of pollution tolerant taxa however continued to indicate unsatisfactory ecological conditions in the Baileboro area (0170) and downstream (0420), downstream of Lough Ramor (1000, 1100, 1200) and at Navan (1790).

Hydrometric Area 07 (2009)

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: 10/8/2009, 31/7/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009
0030	-	-	-	2-3	-	-	-	-	-	-
0050	-	-	-	2	3	-	-	-	-	-
0060	-	-	-	-	-	4	4	3	4	4
0070	-	-	-	3	4	-	-	-	-	-
0100	4	3-4	3-4	3-4	4	4	4	4	4	3-4
0200	-	4	3-4	3-4	3-4	3-4	3	3	4	3
0300	-	4	3-4	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

Assessment: Ecological conditions remain satisfactory at the upper reaches (0060) of the Blackwater (Longwood) River in 2009, however the macroinvertebrate fauna indicated an unwelcome decline in ecological conditions at Johnstown (0100) and Blackwater bridge (0200). The macroinvertebrate fauna indicated an improvement downstream at Rourkestown (0600) however excessive siltation and enhanced algal growth was also noted at this location.

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	0	0	49	
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**

07/B/03

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 833 564

Date(s) Surveyed: 30/7/2009

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

Assessment: The Boycetown River was in an unsatisfactory ecological condition when surveyed in 2009. The lack of sensitive macroinvertebrate species coupled with excessive algal growth and compaction and calcification of the river-bed substrata indicated ecological disruption at Scurlockstown bridge (0300). The continued dominance of pollution tolerant macroinvertebrate fauna, enhanced macrophyte growth and excessive siltation at Station 0200 indicated unsatisfactory ecological conditions again in 2009. Recent bank works noted at Station 0200.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br N of 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: 15/6/2009, 17/6/2009, 25/5/2009, 26/5/2009

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
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
0300	2-3	2-3	-	2	1-2	2-3	4	4	-	3	2	1-2	3	-	-	3-4	-	-	3-4*
0400	4-5	3	-	-	4-5	4	4	4	4	4	3	3	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
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
0900	5	-	3-4	-	-	4-5	5	5	4	4	4	4	3-4	-	-	4	-	-	-
1000	5	-	4	-	-	4	5	5	3-4	3-4	4	3-4	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
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
1500	5	-	4-5	-	-	4-5	5	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
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
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
2150	-	-	-	-	-	-	-	-	4-5	3-4	3-4	4	3-4	-	-	3-4	-	-	4
2200	5	4-5	-	3-4	4	4	4	4	-	-	3-4	3-4	3-4	-	-	3-4	-	-	3-4

Assessment: The majority of the 14 stations surveyed on the Boyne River remained in an unsatisfactory ecological condition in 2009. The macroinvertebrate fauna indicated satisfactory ecological conditions at six of the stations examined. The presence of several sensitive taxa at station 0800 (Inchamore Bridge) indicated highly satisfactory conditions. A welcome improvement from moderate to good ecological conditions was noted at Slane Bridge (2100) and downstream at station 2150. Unsatisfactory ecological conditions were noted downstream of Edenderry (0300) and at Ashfield Bridge (0600). The macroinvertebrate fauna indicated an unwelcome decline in ecological quality downstream of the Athboy River confluence (1200) and Trim (1400). Conditions also remain unsatisfactory at Bective Bridge (1500), Kilcarn Old Bridge (1700), Broadboyne Bridge (2010) and at Obelisk Bridge (2200).

Hydrometric Area 07 (2009)

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 (2009)

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**

07/C/04

Tributary of : 07Y02 YELLOW (CASTLEJORDAN)

OS Catchment No: 159

OS Grid Ref of Confluence: N 592 378

Date(s) Surveyed: 10/8/2009, 11/8/2009

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

Assessment: The upper reaches (0050, 0100) of the Castlejordan River remained in an unsatisfactory ecological condition when surveyed in 2009. Poor ecological conditions remain downstream of Rochfortbridge stream (0050) from suspected sewage discharges. The macroinvertebrate fauna indicated continuing satisfactory ecological conditions in the lower reaches at Castlejordan (0190) although enhanced macrophyte growth and siltation were noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Mongagh Br	0	0	48	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 : **CLADY (MEATH)**

07/C/01

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 858 609

Date(s) Surveyed: 23/7/2009

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

Assessment: The Clady (Meath) River was in a poor ecological condition when surveyed in 2009. The complete lack of sensitive macroinvertebrate fauna and dominance of pollution tolerant taxa, coupled with excessive siltation indicated significant ecological disruption at Dunderry Bridge (0100). A slight improvement in macroinvertebrate diversity was noted downstream (0200) however the dominance of pollution tolerant fauna continued to indicate poor ecological conditions.

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 : **CROSSKEYS STREAM**

07/C/07

Tributary of : 07S02 STONYFORD

OS Catchment No: 159

OS Grid Ref of Confluence:

Date(s) Surveyed: 17/6/2009

Formerly Stonyford 07S02 West Branch

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

Assessment: The Crosskeys Stream was in an unsatisfactory ecological condition in 2009. The unbalanced macroinvertebrate fauna indicated slightly polluted conditions. Enhanced macrophyte growth was also 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 Br	261252	267186	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: 17/6/2009

Formerly Stonyford 07S02 East Branch

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

Assessment: Unsatisfactory ecological conditions continue in 2009, although the macroinvertebrate faunal diversity improved the continued dominance of pollution tolerant taxa and heavy siltation indicated some disruption.

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)**

07/D/01

Tributary of : 07B04 BOYNE

OS Catchment No: 159

OS Grid Ref of Confluence: N 695 496

Date(s) Surveyed: 27/7/2009, 28/7/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1976	1978	1982	1985	1990	1994	1997	2000	2003	2006	2009
0040	-	-	-	-	-	4-5	4	3-4	4	3-4	3-4	3-4
0060	-	-	-	-	-	4-5	-	-	-	-	-	-
0070	-	-	-	-	-	4	4	4-5	4	3-4	3-4	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
0300	-	5	4-5	4-5	4-5	4	3-4	3-4	3-4	3	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
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

Assessment: The Deel (Raharney) was in a mostly unsatisfactory ecological condition when surveyed in 2009. A welcome improvement was noted in the macroinvertebrate fauna at station 0070 (Br West of Mabestown), however excessive siltation and enhanced macrophyte and algal growth was noted. Enriched conditions were also noted at the five remaining stations, where the macroinvertebrate communities indicated slight pollution.

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: 4/8/2009

07/D/02
 OS Catchment No: 159

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

Assessment: The Devlin's River was in an unsatisfactory ecological condition when surveyed in 2009. The complete lack of sensitive macroinvertebrate fauna, presence of sewage fungus, heavy siltation and low dissolved oxygen levels (78% Saturation) at station 0140 indicated moderate pollution.

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**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 667 423
 Date(s) Surveyed: 28/7/2009

07/G/02
 OS Catchment No: 159

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

Assessment: The River Glash was again moderately polluted at Bunglass Bridge (0600) when surveyed in 2009. The dominance of pollution tolerant macroinvertebrate fauna, excessively abundant algal and macrophyte growth, heavy siltation, low dissolved oxygen (76% oxygen saturation) and excessively high conductivity reading (928 μ S/cm) indicated poor ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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: 10/8/2009, 11/8/2009

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
0040	-	-	-	-	-	4	-	-	-	-	-	-
0060	-	-	-	-	-	3-4	2-3	3	3-4	3-4*	3-4	4*
0100	1-2	1	3	3	3	1	3-4	3-4	3	3*	3-4	-
0200	-	-	3	3-4	3	3	-	-	-	-	-	3-4
0300	2	1	4-5	3-4	3	3-4	3-4	3	3	3-4	4	-

Assessment: A slight improvement was noted in the upper reaches (0060) of the Kinnegad River in 2009, although heavy siltation was noted. The macroinvertebrate fauna and excessive instream macrophyte growth however indicated unsatisfactory ecological conditions downstream of Kinnegad at Kilwarden Bridge (0200).

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: 30/7/2009

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

Assessment: The Knightsbrook River was in an unsatisfactory ecological condition when surveyed in 2009. The dominance of pollution tolerant macroinvertebrate taxa coupled with heavy siltation of the substrata and excessive abundance of macroalgae, again indicated poor ecological conditions at Dangan Bridge (0300). The lack of sensitive macroinvertebrate species indicated an unwelcome decline from good to moderate ecological status downstream of 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: 9/7/2009

07/L/01
 OS Catchment No: 159

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

Assessment: Continuing satisfactory in 2009, although some signs of enrichment were evident with enhanced macroalgae growth and siltation.

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: 4/8/2009

07/M/01
 OS Catchment No: 159

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

Assessment: A welcome improvement in ecological conditions was noted at Boyd's Bridge (0100) in August 2009, however the macroinvertebrate community continued to indicate unsatisfactory ecological conditions downstream at Wood Mill Bridge (0200) and just downstream of the Devlins river confluence (0220).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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
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 : **MOYNALTY**

07/M/03

Tributary of : 07B01 BLACKWATER (KELLS)

OS Catchment No: 159

OS Grid Ref of Confluence: N 787 742

Date(s) Surveyed: 21/7/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1978	1980	1984	1986	1990	1994	1997	2000	2003	2006	2009
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*
0085	-	-	-	-	-	4-5	-	-	-	-	-	-
0090	-	-	-	-	-	-	3	4	3-4	4	-	-
0100	-	5	3-4	4	3-4	3	-	-	-	-	3-4	-
0200	-	-	3-4	3-4	3	3-4	-	-	-	-	3-4	-
0300	-	4	3-4	3-4	3-4	3-4	3-4	3	3	3-4	3-4	3-4
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
0700	-	-	-	4	3-4	3-4	-	-	-	-	-	-
0800	-	-	4	-	4	4	4	3-4	3	3-4	4	4
0900	5	3-4	4	-	4	-	4	4	3	3-4	4	4

Assessment: The upper reaches of the Moynalty River remained in an unsatisfactory ecological condition when surveyed in 2009. Indications of nutrient enrichment (paucity of sensitive macroinvertebrate species, excessive weed and algal growth, heavy siltation and abnormally high dissolved oxygen levels) were apparent. The macroinvertebrate fauna however continued to indicate satisfactory ecological conditions at Carlanstown Bridge (0800) and 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 Greaghnemale	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 (2009)

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: 21/7/2009

Formerly Mullagh Branch of Moynalty 07M03

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

Assessment: The Mullagh Lough Stream was in an unsatisfactory ecological condition when surveyed in 2009. Although the macroinvertebrate faunal diversity had improved, signs of enrichment were still apparent with excessive growth of instream plants and algae and heavy siltation of the river substrata 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: 9/7/2009

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

Assessment: Unsatisfactory ecological conditions were evident in the upper reaches (0100) of the Nadreegel Lough Stream in 2009, however a welcome improvement in the macroinvertebrate diversity was observed in the lower reaches at Drumacory Bridge (0500). Signs of enrichment were however still apparent with enhanced instream plant growth and excessive siltation noted.

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: 10/8/2009, 28/7/2009

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

Assessment: Although the diversity of sensitive macroinvertebrate species increased at both stations surveyed on the Riverstown River in 2009, the dominance of pollution tolerant species continues to indicate unsatisfactory ecological conditions. Signs of enrichment are still apparent with enhanced instream plant and algal 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 : **SKANE**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 871 613
 Date(s) Surveyed: 30/7/2009

07/S/01
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)														
	1979	1981	1983	1985	1987	1988	1989	1990	1991	1994	1997	2000	2003	2006	2009
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
0400	-	-	4	2-3	-	-	-	2-3	-	-	-	-	-	-	-
0500	-	-	4	3	-	-	-	-	-	-	-	-	-	-	-
0510	-	-	-	-	-	-	-	3	-	3	3	3	3-4	3-4	3*
0600	3-4	3-4	3-4	3	-	-	-	3-4	-	3	3	3	3-4*	3-4	3

Assessment: The macroinvertebrate communities at all three stations surveyed on the River Skane indicated poor ecological conditions in 2009. Heavy siltation enhanced algal growth and dominance of pollution tolerant macroinvertebrate species continues to indicate significant ecological disruption at Athronan Bridge (0300). An unwelcome further decline in quality was noted downstream of Kilmessan (0510) and at Dowdstown Bridge (0600) where a paucity of sensitive macroinvertebrate species, excessive calcification and compaction/siltation of the riverbed substrata was observed.

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**
 Tributary of : 07B04 BOYNE
 OS Grid Ref of Confluence: N 737 531
 Date(s) Surveyed: 23/7/2009, 24/7/2009

07/S/02
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1981	1985	1990	1994	1997	2000	2003	2006	2009
0065	-	-	-	-	-	-	3-4	3-4	4	-
0070	-	-	-	3-4	3-4	3-4	-	-	-	-
0075	-	-	-	-	-	-	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
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

Assessment: The Stonyford River was in an unsatisfactory ecological condition when surveyed in July 2009. The lack of sensitive macroinvertebrate fauna and dominance of pollution tolerant species coupled with enhanced instream plant and algal growth and excessive siltation continued to indicate slightly polluted conditions at Stonestown Bridge (0075) and Rathkenna Bridge (0100). The dominance of pollution tolerant macroinvertebrate species also indicated an unwelcome decline in ecological quality at Stonyford bridge (0400).

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: 22/7/2009

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

Assessment: Extreme calcification of the river bed substrata and the absence of any sensitive macroinvertebrate species indicated no change in the unsatisfactory ecological condition of the Yellow (Blackwater) River in 2009.

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: 11/8/2009

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

Assessment: The Yellow (Castlejordan) River was in a satisfactory ecological condition in the upper (0070) and lower reaches (0300) in 2009, however the lack of sensitive 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

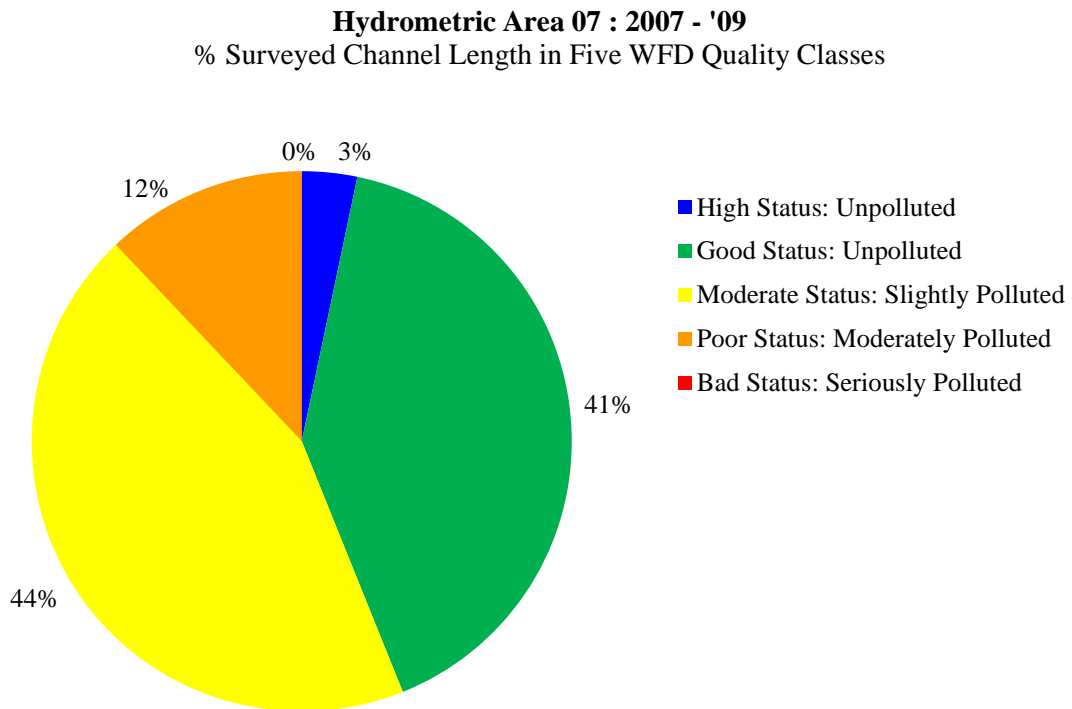
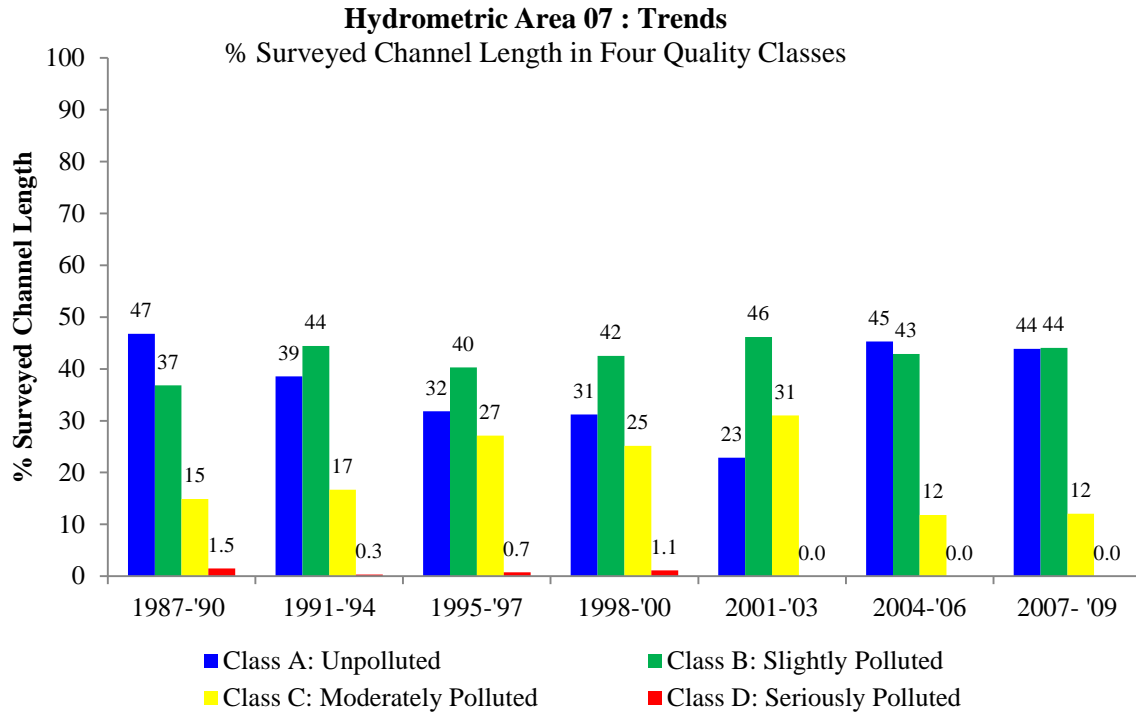
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Athboy	2009	07A01	0.0	19.1	10.9	0.0	0.0	30.0
Blackwater (Kells)	2009	07B01	0.0	30.9	25.1	8.0	0.0	64.0
Blackwater (Longwood)	2009	07B02	0.0	11.2	9.3	2.6	0.0	23.0
Boycetown	2009	07B03	0.0	0.0	9.0	0.0	0.0	9.0
Boyne	2009	07B04	15.8	40.0	38.2	0.0	0.0	94.0
Castlejordan	2009	07C04	0.0	3.5	7.4	6.2	0.0	17.0
Clady (Meath) ¹	2009	07C01	0.0	0.0	0.0	13.0	0.0	13.0
Crosskeys Stream	2009	07C07	0.0	0.0	6.0	0.0	0.0	6.0
D'Arcy's Crossroads Stream	2009	07D06	0.0	0.0	7.0	0.0	0.0	7.0
Deel (Raharney)	2009	07D01	0.0	13.5	20.5	0.0	0.0	34.0
Devlins	2009	07D02	0.0	0.0	3.0	4.6	0.0	7.5
Glash	2009	07G02	0.0	0.0	0.0	5.0	0.0	5.0
Kinnegad	2009	07K01	0.0	15.1	1.9	0.0	0.0	17.0
Knightsbrook	2009	07K02	0.0	0.0	5.1	6.9	0.0	12.0
Lislea	2009	07L01	0.0	1.0	0.0	0.0	0.0	1.0
Mattock	2009	07M01	0.0	12.6	3.5	0.0	0.0	16.0
Moynalty	2009	07M03	0.0	10.7	23.8	0.0	0.0	34.5
Mullagh Lough Stream	2009	07M06	0.0	0.0	1.0	0.0	0.0	1.0
Nadreegeel Lough Stream	2009	07N01	0.0	9.5	2.0	0.0	0.0	11.5
Riverstown	2009	07R01	0.0	0.0	15.0	0.0	0.0	15.0
Skane	2009	07S01	0.0	0.0	0.0	16.5	0.0	16.5
Stonyford	2009	07S02	0.0	6.5	15.0	0.0	0.0	21.5
Yellow (Blackwater)	2009	07Y01	0.0	0.0	0.0	2.5	0.0	2.5
Yellow (Castlejordan)	2009	07Y02	0.0	15.0	3.5	0.0	0.0	18.5
Total Length (km) surveyed this cycle	2009		15.8	188.5	207.0	65.3	0.0	476.5
Adjustments (See below)*			0.0	-6.0	-4.0	7.5	0.0	-2.5
Percentages			3.3	40.6	44.1	12.1	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current Adjusted Status (km)	2007- '09		210.3	211.0	57.8	0.0	479.0	
Percentages			43.9	44.1	12.1	0.0	100.0	
Baseline: Previous Unadjusted Status. (km)**	2004- '06		217.0	205.5	56.5	0.0	479.0	
Percentages			45.3	42.9	11.8	0.0	100.0	
Changes since Previous Survey (km)			-6.8	5.5	1.3	0.0	0.0	

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

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics



HYDROMETRIC AREA 10 (Avoca, Vartry)	
ASKANAGAP STREAM	10A06
AUGHRIM (WICKLOW)	10A02
#AVOCA	10A03
AVONBEG	10A04
AVONMORE	10A05
BALLYCREEN BROOK	10B02
BALLYDUFF STREAM (WICKLOW)	10B01
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

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

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: 25/6/2009

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

Assessment: Continuing high ecological conditions upstream of the Derry River confluence (0400) in 2009, however some signs of enrichment were evident with enhanced algal growth and siltation of the riverbed substrata noted.

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: 6/8/2009

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

Assessment: The Aughrim (Wicklow) River was in a satisfactory ecological condition at the two stations surveyed in 2009, however excessive siltation of the riverbed was evident 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: 19/7/2009, 28/10/2009

Biological Quality Ratings (Q Values)

Station Nos.	1971	1974	1977	1981	1986	1990	1994	1997	2000	2003	2006	2007	2008	2009
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
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: Although an improvement in the macroinvertebrate community was noted at Avoca Bridge in July 2009, this condition was only temporary. The macroinvertebrate fauna indicated bad ecological conditions once again in October 2009 due to acid mine drainage effluent.

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: 16/10/2009, 24/6/2009

10/A/04
 OS Catchment No: 171

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

Assessment: The upper reaches (0100, 0400) of the Avonbeg River were in a satisfactory ecological condition when surveyed in 2009. The paucity of pollution sensitive macroinvertebrate species and excessive siltation indicated a continued disruption at Greenane Bridge (0600). The dominance of pollution tolerant macroinvertebrate species and paucity of pollution sensitive species indicated an unwelcome decline in ecological conditions 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: 14/7/2009, 18/6/2009, 24/6/2009

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

Assessment: The Avonmore River remains in a satisfactory ecological condition in 2009. High ecological conditions continue downstream of Lough Tay (0010) and downstream of Lough Dan (0020) however signs of some enrichment were evident with enhanced algal growth and siltation noted at Old Bridge. Good ecological conditions persist downstream, however this represented a decline from high to good ecological conditions at Ballard Bridge (0100) downstream of Laragh and at Lions Bridge (0500) downstream of Rathdrum and Avondale.

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: 6/8/2009

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

Assessment: Ecological conditions remain satisfactory west of Macreddin (0400) however the macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions in 2009. Unsatisfactory ecological conditions continue downstream at Tinnakilly Bridge (0700).

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: 14/10/2009

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

Assessment: Continuing unsatisfactory moderate ecological conditions at Ballyduff Bridge (0200) in 2009. Excessive siltation of the riverbed substrata was observed.

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 : **CARRICKMINES STREAM**

10/C/04

Tributary of : 10S01 SHANGANAGH

OS Catchment No:

OS Grid Ref of Confluence: O 245 230

Date(s) Surveyed: 16/6/2009

Previously reported as Shanganagh, Carrickmines Branch

Station Nos.	1981	1984	1990	1994	1997	Biological Quality Ratings (Q Values)			
						2000	2003	2006	2009
0200	3-4	3	3	3	3	3	-	-	
0300	4	4	3-4	-	-	-	-	-	
0350	-	-	-	-	-	-	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 2009. Enriched conditions were evident with excessive instream weed and algal growth, heavy siltation of the river bed and high turbidity noted.

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 Glendruid 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: 14/7/2009

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

Assessment: Continuing high ecological conditions on the Cloghoge Brook (0100) in 2009.

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: 25/6/2009

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

Assessment: Although the macroinvertebrate fauna indicated good ecological conditions in 2009, signs of enrichment were still evident with excessive instream plant growth and heavy siltation of the riverbed observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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
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**

10/D/01

Tributary of :

OS Catchment No: 169

OS Grid Ref of Confluence: O 268 193

Date(s) Surveyed: 7/7/2009, 15/10/2009

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

Assessment: The Dargle River was in a satisfactory ecological condition in the upper reaches (0010, 0100) in 2009. The dominance of pollution tolerant macroinvertebrate species, excessive siltation and enhanced algal growth observed upstream of Bray town at Rivervale (0250) indicated an unwelcome decline from good to unsatisfactory moderate ecological conditions.

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 (at Rivervale)	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: 25/6/2009

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

Assessment: High ecological condition continue in the upper reaches (0300, 0600) of the Derry Water in 2009, however some signs of enrichment were evident near Moyne (0300) with enhanced instream weed growth and excessive siltation noted. An unwelcome decline from good to moderate ecological conditions was indicated by the dominance of pollution tolerant macroinvertebrate species, excessive instream weed and algal growth and heavy siltation of the riverbed at Annacurragh Bridge (0800).

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: 15/10/2009

10/G/01
 OS Catchment No: 169

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

Assessment: The macroinvertebrate fauna indicated an unwelcome decline from high to unsatisfactory moderate ecological conditions on the Glencree River at Onagh Bridge (0200) in 2009. Ecological disruption was apparent with the dominance of pollution tolerant species, paucity of pollution sensitive species and presence of increased peat/ silt deposits on the riverbed noted.

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: 7/7/2009, 15/10/2009

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
0050	-	-	-	-	5	-	-	-	4-5	5	4
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
0400	5	4-5	4	4-5	-	-	-	-	-	-	-
0500	-	-	-	-	4-5	4-5	3-4	4	4	4	4

Assessment: The Glencullen River was in a satisfactory ecological condition in 2009. High ecological conditions persist upstream of Knocksink Bridge (0300) however the macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions at Boranaraltry Bridge (0050). Signs of some enrichment were apparent with growths of filamentous algae 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: 28/10/2009

10/G/06
 OS Catchment No: 171

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

Assessment: The Glendasan River was in a satisfactory ecological condition in 2009. 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**
 Tributary of : 10A05 AVONMORE
 OS Grid Ref of Confluence: T 142 957
 Date(s) Surveyed: 18/6/2009, 28/10/2009

10/G/05
 OS Catchment No: 171

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

Assessment: The upper (0100) and lower (0400) reaches of the Glenealo River continue to indicate highly satisfactory ecological conditions in 2009 however the macroinvertebrate fauna again indicated unsatisfactory conditions downstream of the Upper Lake (0200) in Glendalough.

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**

10/G/03

Tributary of : 10A05 AVONMORE

OS Catchment No: 171

OS Grid Ref of Confluence: T 144 964

Date(s) Surveyed: 14/7/2009, 16/10/2009

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

Assessment: The Glenmacnass River was in a satisfactory ecological condition in 2009, however the macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions in the upper reaches (0190).

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: 14/10/2009

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

Assessment: The decline in pollution sensitive macroinvertebrate species indicated an unwelcome decline from high to good ecological conditions on the Goldmine River in 2009. Increased siltation of the riverbed was evident.

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: 7/7/2009, 16/6/2009

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

Assessment: Poor ecological conditions persist at the two stations (0200, 0500) surveyed on the Kill of the Grange Stream in 2009. Sewage discharges 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**

10/K/03

Tributary of : 10D01 DARGLE

OS Catchment No: 169

OS Grid Ref of Confluence: O 248 174

Date(s) Surveyed: 7/7/2009

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

Assessment: The continued dominance of pollution tolerant macroinvertebrate species continues to indicate unsatisfactory moderate ecological conditions on the Kilmacanogue Stream in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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: 17/7/2009

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

Assessment: Although a slight improvement in macroinvertebrate faunal diversity was noted, the continued dominance of pollution tolerant species and enhanced instream macroalgal growth indicated unsatisfactory ecological conditions downstream of Newcastle (0600) again in 2009.

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: 14/7/2009, 16/7/2009

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

Assessment: The Newtownmountkennedy Stream remains in a satisfactory ecological condition in the upper reaches (0100) in 2009, although the macroinvertebrate fauna did indicate an unwelcome decline from high to good ecological conditions. Signs of enrichment were evident with enhanced instream weed growth and excessive siltation of the streambed observed. The complete lack of pollution sensitive macroinvertebrate species indicated a further unsatisfactory decline in ecological conditions on the lower reaches (0600). Heavy siltation of the riverbed was also noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Hermitage	324883	207790	56	WW
0400	Br in Newtown	0	0	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
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: 6/8/2009, 25/6/2009

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

Assessment: The macroinvertebrate fauna continues to indicate unsatisfactory ecological conditions at the two stations (0100, 0300) surveyed on the River Ow in 2009.

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: 8/10/2009

10/P/01
 OS Catchment No: 173

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

Assessment: Unsatisfactory ecological conditions were evident at both stations surveyed on Potter's River in 2009. The complete lack of sensitive macroinvertebrate fauna, enhanced weed growth and heavy siltation indicated significant disruption at Kilboy Bridge (0300). A paucity of pollution sensitive macroinvertebrate species and heavy siltation was also 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: 19/10/2009

Station Nos.	2009	Biological Quality Ratings (Q Values)
0600	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 2009.

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**

10/R/01

Tributary of :

OS Catchment No: 174

OS Grid Ref of Confluence: T 279 785

Date(s) Surveyed: 8/10/2009

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

Assessment: The Redcross River was in a satisfactory ecological condition in 2009, although heavy siltation of the riverbed substrata was noted at both Redcross bridge (0100) and 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: 16/6/2009

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

Assessment: Good ecological conditions continue on the Shanganagh river at Heron Ford Lane (0460) in 2009, however the macroinvertebrate fauna again indicated unsatisfactory ecological conditions downstream at Commons Road (0600). Excessive siltation of the riverbed was also evident.

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: 8/10/2009

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

Assessment: Good ecological conditions continue at Porter's Bridge on the Templerainy Stream in 2009 although excessive siltation of the riverbed was observed.

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: 8/10/2009

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

Assessment: Good ecological conditions continue on the Three Mile Water in 2009 although excessive siltation of the riverbed was noted.

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**

10/V/01

Tributary of :

OS Catchment No: 170

OS Grid Ref of Confluence: T 321 942

Date(s) Surveyed: 16/7/2009, 17/7/2009, 19/7/2009

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

Assessment: The upper reaches (0050, 0100) of the Vartry River remain in a satisfactory condition however the macroinvertebrate fauna indicated an unwelcome decline from high to good ecological conditions. Heavy siltation was evident at Ballinastoe Bridge (0050) and at Annagolan Bridge (0100). Further signs of enrichment including enhanced weed and algal growth were also observed at Annagolan Bridge. The dominance of pollution tolerant macroinvertebrate species, enhanced instream weed and algal growth and heavy siltation of the riverbed indicated enriched unsatisfactory ecological conditions in the lower reaches at Newrath Bridge (0300). Sewage discharges suspected source of pollution in the lower reaches.

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	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

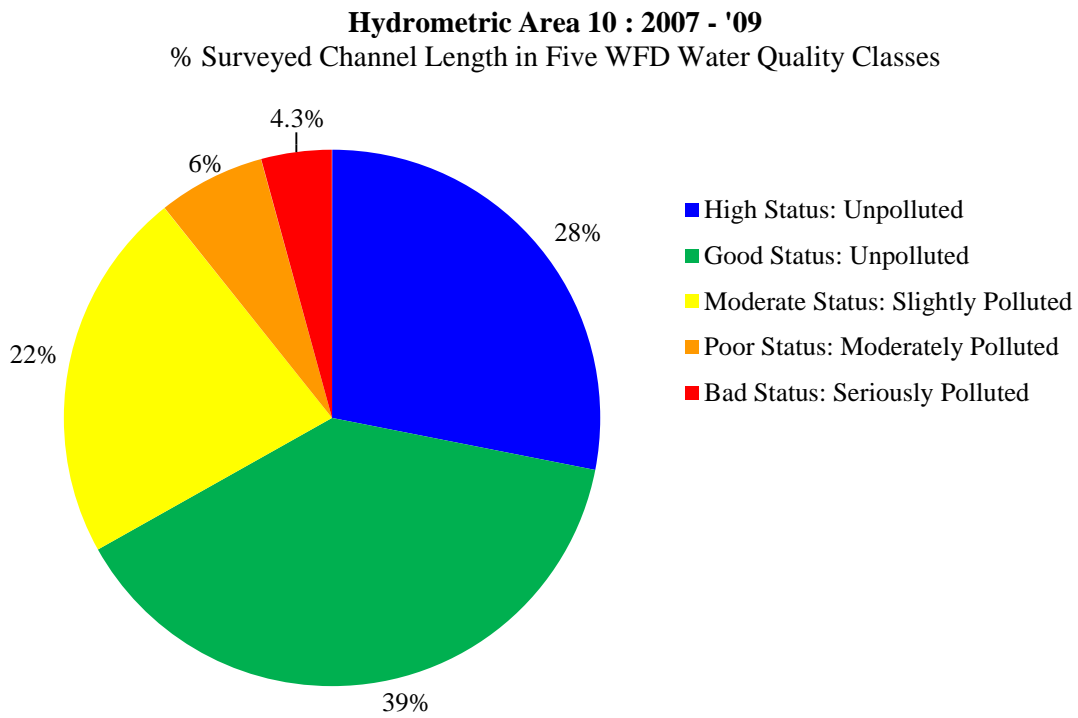
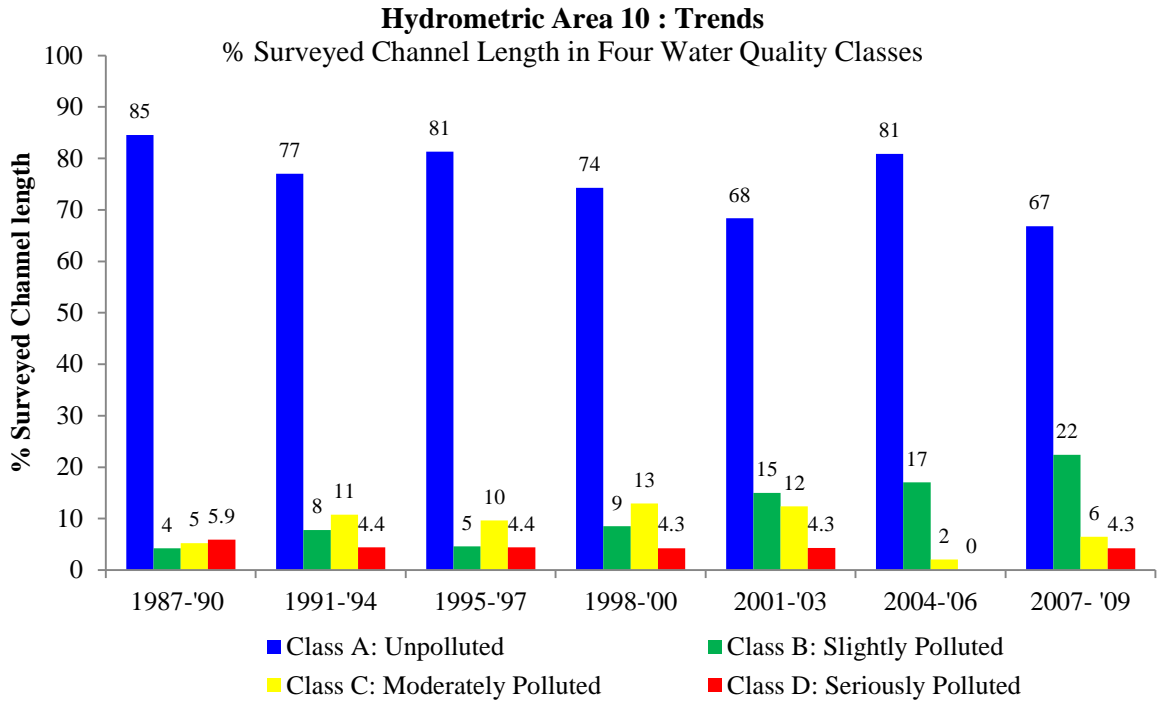
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

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	2009	10A06	4.0	0.0	0.0	0.0	0.0	4.0
Aughrim	2009	10A02	0.0	9.5	0.0	0.0	0.0	9.5
Avoca	2009	10A03	0.0	0.0	0.0	0.0	11.5	11.5
Avonbeg	2009	10A04	7.0	6.5	7.5	0.0	0.0	21.0
Avonmore	2009	10A05	17.1	16.5	0.0	0.0	0.0	33.5
Ballycreen Brook	2009	10B02	0.0	3.5	1.5	0.0	0.0	5.0
Ballyduff Stream	2009	10B01	0.0	0.0	2.0	0.0	0.0	2.0
Cloghoge Brook	2009	10C01	4.0	0.0	0.0	0.0	0.0	4.0
Coolalug Stream	2009	10C02	0.0	5.0	0.0	0.0	0.0	5.0
Dargle	2009	10D01	10.5	2.0	1.5	0.0	0.0	14.0
Derry Water	2009	10D02	13.5	0.0	1.5	0.0	0.0	15.0
Glencree	2009	10G01	0.0	0.0	9.0	0.0	0.0	9.0
Glencullen	2009	10G02	6.5	2.6	0.0	0.0	0.0	9.0
Glendasan	2009	10G06	4.8	0.2	0.0	0.0	0.0	5.0
Glenealo	2009	10G05	5.5	0.0	0.5	0.0	0.0	6.0
Glenmacnass	2009	10G03	3.1	8.9	0.0	0.0	0.0	12.0
Goldmine	2009	10G04	0.0	3.0	0.0	0.0	0.0	3.0
Kill O' the Grange Stream	2009	10K02	0.0	0.0	0.0	5.0	0.0	5.0
Kilmacanoge	2009	10K03	0.0	0.0	3.0	0.0	0.0	3.0
Newcastle	2009	10N01	0.0	0.0	4.0	0.0	0.0	4.0
Newtownmountkennedy	2009	10N02	0.0	4.5	0.0	4.5	0.0	9.0
Ow	2009	10O01	0.0	2.0	13.5	0.0	0.0	15.5
Potters	2009	10P01	0.0	0.0	6.1	8.0	0.0	14.0
Redcross	2009	10R01	0.0	9.0	0.0	0.0	0.0	9.0
Shanganagh	2009	10S01	0.0	6.0	7.0	0.0	0.0	13.0
Templerainy Stream	2009	10T04	0.0	4.0	0.0	0.0	0.0	4.0
Three Mile Water	2009	10T01	0.0	6.5	0.0	0.0	0.0	6.5
Vartry	2009	10V01	0.0	13.5	3.5	0.0	0.0	17.0
Total Length (km) surveyed this cycle	2007 - '09		75.9	103.1	60.6	17.5	11.5	268.5
Adjustments (See below)*			0.0	-1.5	0.0	0.0	0.0	-1.5
<i>Percentages</i>			28.1	38.7	22.4	6.5	4.3	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current Adjusted Status (km)	2007 - '09		180.5	60.6	17.5	11.5	270.0	
<i>Percentages</i>			66.9	22.4	6.5	4.3	100.0	
Baseline : Previous Unadjusted Status (km)**	2004 - '06		216.0	48.5	5.5	0.0	270.0	
<i>Percentages</i>			80.9	17.0	2.1	0.0	100.0	
Changes since Previous Survey (km)			-35.5	12.1	12.0	11.5	0.0	

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

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics



HYDROMETRIC AREA 14 (Barrow)	
AGHALONA	14A02
ATHY STREAM	14A06
AUGHAVAUD	14A04
AUGHNABRISKY	14A05
AUGHNACREW	14A07
BARROW	14B01
BLACK (BORRIS)	14B06
BLACKWATER (LAOIS)	14B03
BOTHOGE	14B04
BURREN	14B05
CLONCUMBER STREAM	14C17
CROOKED (STRADBALLY)	14C02
CUSHINA	14C04
DAINGEAN	14D06
DOUGLAS (LAOIS)	14D03
DUISKE	14D04
DUNRALLY STREAM	14D05
ESKER STREAM	14E01
FIGILE	14F01
FUSHOGE	14F03
GLENLAHAN	14G02
GOWRAN	14G03
GRANEY (LERR)	14G07
GRANGECON STREAM	14G06
GREESE	14G04
GUILLIE	14G11
LERR	14L01
MONEFELIM	14M03
MOUNTAIN (CARLOW)	14M01
OLD LEIGHLIN STREAM	14O02
OWENASS	14O01
PALATINE STREAM	14P04
POLLMOUNTY	14P03
POWERSTOWN	14P02
RATHEVEN STREAM	14R05
RED HILL STREAM	14R06
SLATE	14S01
STRADBALLY (LAOIS)	14S02
TRIOGUE	14T01
TULLY STREAM	14T02

Hydrometric Area 14 (2009)

River and Code : **AGHALONA**
 Tributary of : 14B05 BURREN
 OS Grid Ref of Confluence: S 793 730
 Date(s) Surveyed: 24/9/2009

14/A/02
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1985	1989	1993	1997	2000	2003	2006	2009
0050	-	-	-	2-3	3	-	-	-	-	-
0100	2	3	3	3	3	3	3	-	3-4	-
0150	-	-	-	3-4	3-4	3	3-4	3-4*	3-4	-
0200	4	3-4	4	4	3	3	3-4	3-4	3-4	3-4

Assessment: The lack of sensitive macroinvertebrate species indicated unsatisfactory ecological conditions near Moatalusha (0200) again in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NNW of Straboe	280900	179700	61	CW
0100	Friarstown Br	280461	177301	61	CW
0150	Grangeford Br (u/s side)	281537	175144	61	CW
0200	Br nr Moatalusha House	280896	172839	61	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	80	17	100	0	47	0	0	0	53	0	0
0150	73	21	100	0	38	0	0	2	60	0	0
0200	63	28	100	0	35	0	0	2	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 : **ATHY STREAM**

14/A/06

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence:

Date(s) Surveyed: 16/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0200	3-4	3-4	3	3-4	3*	3-4	-
0300	3	3	-	-	-	-	-
0400	-	-	3-4	3-4	3-4	4	3-4
0600	4	4	-	-	-	-	-

Assessment: The complete lack of pollution sensitive macroinvertebrate species indicated unsatisfactory ecological conditions on the Athy Stream, downstream of Barkersford Bridge (0400) in 2009. Heavy calcification of the substratum was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Inch Br	273616	194684	55	KE
0300	Barkersford Br	270500	195000	55	KE
0400	1st Br d/s Barkersford Br	269696	195791	55	KE
0600	Br just u/s Barrow R	0	0	55	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	71	12	32	68	37	0	0	0	61	0	1
0400	62	27	15	85	27	1	0	2	69	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 : **AUGHVAUD**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 730 378
 Date(s) Surveyed: 12/10/2009

14/A/04
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0300	4	4	-	-	-	-	-
0400	3-4	4	3-4	4	3-4	-	-
0600	4	4	4	4	4	4	4

Assessment: Good ecological conditions persist at St. Mullins (0600) in 2009, although excessive siltation of the river bed substratum was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Turra Br	0	0	68	CW
0400	Turra Br	274449	139854	68	CW
0600	Br at St Mullins	272954	137799	68	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	45	23	100	0	62	6	21	0	12	0	0
0600	7	31	100	0	62	4	16	0	18	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 : **AUGHNABRISKY**

14/A/05

Tributary of : 14M01 MOUNTAIN (CARLOW)

OS Catchment No: 183

OS Grid Ref of Confluence: S 782 511

Date(s) Surveyed: 13/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0200	4	4	3-4	4	-	-	-
0300	-	-	-	-	5	4	-
0400	4	4	-	-	-	-	-
0500	4	4-5	4-5	4	4	4	4

Assessment: Good ecological conditions continue on the Aughnabrisky River, downstream of Moyvally (0500) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Scullogue Br	282662	147839	68	WX
0300	Br d/s Scullogue Br	281840	148100	68	CW
0400	Br NE of Knocknamoyle	0	0	68	CW
0500	Br just u/s Mountain R confl	278268	151013	68	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	190	4	100	0	4	7	69	0	0	0	21
0500	84	33	100	0	24	8	42	0	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 : **AUGHNACREW**
 Tributary of : 14P03 POLLMOUNTY
 OS Grid Ref of Confluence: S 767 334
 Date(s) Surveyed: 12/10/2009

14/A/07
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0300	3-4	3-4	3-4	3-4	3	4	-
0400	3-4	3-4	-	-	-	-	-
0500	3-4	3-4	3-4	4	4	4	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions downstream of Ballywilliam (0500) on the Aughnacrew River in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballyvegga Br	279119	132617	68	WX
0400	West Br S of Ballywilliam	0	0	68	WX
0500	Br just u/s Pollmounty R confl	276216	134365	68	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	67	14	100	0	63	0	0	0	37	0	0
0500	52	32	100	0	61	0	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 : **BARROW**

14/B/01

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 722 388

Date(s) Surveyed: 1/10/2009, 7/9/2009, 13/10/2009, 15/9/2009,
16/9/2009, 17/8/2009, 23/9/2009, 25/9/2009, 27/8/2009, 29/9/2009,
30/9/2009

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1974	1975	1976	1978	1979	1980	1982	1986	1989	1991	1994	1997	2000	2003	2005	2006	2007	2008	2009
0050	-	-	-	-	-	-	-	5	5	5	5	-	5	4-5	4-5	4-5	-	4	-	-	4
0100	-	-	-	-	-	-	-	3-4	4-5	4	3	-	3-4	4	4	3-4	-	3	-	-	4-5
0200	4	-	4	-	-	-	-	4	4	4	3-4	-	3-4	4	4	3-4	-	4	-	-	4
0300	4-5	-	3-4	-	-	-	-	5	-	4	4	-	4	3-4	4	4	-	4	-	-	3-4
0400	5	-	3-4	-	3-4	4	-	5	-	4	4	-	-	-	-	-	-	-	-	-	-
0500	3-4	-	3-4	-	3	3-4	-	4	-	4	4	-	3-4	3-4	3-4	3-4	-	3-4	-	-	3-4
0550	-	-	-	-	-	-	-	-	-	-	3-4	-	-	-	-	-	-	-	-	-	-
0600	4	-	3-4	-	4	3-4	-	4	-	4	4	-	4	4	3-4	3-4	-	3-4	-	-	-
0700	4	-	4	-	-	4	-	4	4	4-5	4-5	-	4	4	4	4	-	3-4	-	-	3-4
0760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
0780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
0800	4	-	-	-	-	2-3	-	3-4	-	4	4	-	4	-	-	-	-	-	-	-	-
0850	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	-	-	-	-	-	-	-
0900	4	-	4-5	-	2-3	3-4	-	4	4	4	4	-	4	3-4	3-4	3-4	-	3-4	-	-	3-4
1000	4-5	-	4-5	-	4-5	-	-	4	-	4-5	4	-	4	3-4	3-4	4	-	3-4	-	-	4
1200	4-5	-	4-5	-	-	-	-	5	-	4	3	-	3	-	-	-	-	-	-	-	-
1300	-	-	-	-	-	-	-	4	-	4-5	3-4	-	4	-	3-4	3-4	-	3	-	-	4
1400	5	-	5	-	-	-	-	4	-	4	4	-	4	4	4	4	-	4	-	-	-
1500	-	-	-	-	-	-	-	4	4	4	4	-	4	3-4	3-4	4	-	3-4	-	-	3-4
1590	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	3-4	-	-	-	-	-
1600	1-2	-	3	-	1-2	1-2	-	3	3-4	4	3-4	-	3-4	-	-	-	-	-	-	-	-
1800	1	-	1-2	-	1-2	1-2	-	4	4	4	4	-	3-4	-	-	-	-	-	-	-	-
1900	1	-	2	-	2-3	2	-	4	4	4	4	-	4	3-4	4	4	-	4	-	-	n/s
2000	1-2	-	2	-	-	2	-	3	3-4	3-4	3	-	4	3-4	4	4	-	-	-	-	-
2150	-	-	-	-	-	-	-	-	3-4	4	4	-	4	-	-	-	-	-	-	-	-
2200	3-4	-	2-3	-	-	3	-	-	-	-	-	-	-	-	3	4	-	3-4	-	-	3-4
2400	2	-	2	-	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-
2450	-	-	-	-	-	-	-	-	3	3-4	4	-	3	3	3	3	-	-	-	-	-
2455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	3-4
2500	2	3	-	-	2	-	-	3	3	3-4	3-4	-	-	-	-	-	-	-	-	-	-
2600	3	-	3	-	3-4	2	-	3-4	3	3	3-4	-	3-4	3	3	3-4	-	4	-	-	3-4
2680	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	4	-	4	-	-	4
2700	4	-	-	4	4	4	-	3	3-4	3-4	3	-	3	-	-	-	-	-	-	-	-
2750	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	-	-	-	-	-
2800	4	-	-	4	-	-	3-4	3	3-4	3-4	3	-	3	-	-	-	-	-	-	-	-
2900	4	-	-	4	-	-	3-4	3	2-3	2-3	2-3	-	3	3-4	3-4	4	-	4	-	-	4
2910	4	-	-	4	-	-	3-4	-	-	3-4	3-4	-	4	4	3-4	3-4	-	4	-	-	-
3000	-	-	-	-	-	-	-	4	4	3-4	3-4	-	3-4	3-4	4	3-4	-	4	-	-	-
3100	4-5	-	-	4	-	-	4	4	4	4	3	-	3-4	-	-	3-4	-	3-4	-	-	3-4
3300	4-5	-	-	4-5	-	-	3-4	4	4-5	4	4	-	4	-	-	3-4	-	4	-	-	4
3500	4	-	-	3-4	-	-	4	4	4	4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4	4	4
3600	4	-	-	-	-	-	4	-	4	4	-	-	-	-	-	-	-	-	-	-	-

Assessment: Of the nineteen sites surveyed in 2009, only nine sites were considered to be in a satisfactory ecological condition. The macroinvertebrate fauna indicated satisfactory ecological conditions in the upper reaches with a marked improvement noted South of Rearyvalley (0100). The lack of sensitive macroinvertebrate species, enhanced macrophyte growth and excessive siltation noted at Twomile Br (0300) indicated an unsatisfactory decline in ecological conditions. Unsatisfactory ecological conditions continued downstream at Borness Bridge (0500), located downstream of the Owenass River confluence and at Kilnahown Bridge (0700), located downstream of the River Triogue confluence. The complete lack of sensitive macroinvertebrate fauna indicated poor ecological conditions at Spa Bridge (0780) in Portarlinton. A welcome improvement however, was noted in the macroinvertebrate fauna at Pass Bridge (1000) in Monasterevin and downstream near Fisherstown (1300). Conditions remain unsatisfactory at Bert Bridge (1500) and New Bridge (2200) with a decline in ecological conditions also noted downstream of Carlow (2455 and 2600). The macroinvertebrate fauna continues to indicate good ecological conditions at Rathvinden (2680) and Royal Oak (2900). The dominance of pollution tolerant species however continues to indicate unsatisfactory ecological conditions at Goresbridge (3100) located downstream of the Monefelim and Gowran River confluences. Once again conditions remain satisfactory at Ballyteigelea (3300) and at Graiguenamanagh (3500).

Hydrometric Area 14 (2009)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Tinnahinch Br	235155	210490	54	LA
0100	Ford S of Rearyvalley	236128	213025	54	LA
0200	Ballyclare Br	238591	214722	54	LA
0300	Twomile Br	242280	211786	54	LA
0400	Bay Br	0	0	54	LA
0500	Borness Br	246396	209279	54	LA
0550	Br SE of Hammerlane	0	0	54	OF
0600	Portnahinch Br	249067	210029	54	OF
0700	Kilnahown Br	251371	210753	54	LA
0760	Barrow Br	253997	212626	55	LA
0780	Portarlinton: Spa Br	254267	212860	55	LA
0800	1km d/s Portarlinton	0	0	55	LA
0850	D/s Portarlinton STW (RHS)	256216	212270	55	LA
0900	Ford S of Trascaan	258196	212310	55	LA
1000	Pass Br	262277	210933	55	KE
1200	1km d/s Monasterevan Br	0	0	55	KE
1300	Ford E of Fisherstown House	263295	205798	55	LA
1400	Dunrally Br	263649	201794	55	LA
1500	Bert Br	265925	196929	55	KE
1590	u/s Athy at Boat Club	268061	194455	55	KE
1600	Athy Br	0	0	55	KE
1800	Ardreigh Lock	0	0	55	LA
1900	Tankardstown Br	270366	188203	61	LA
2000	Maganey Br	271712	184733	61	LA
2150	Weir near Knockbeg College	0	0	61	LA
2200	New Br 1km u/s Carlow Br	272007	177797	61	LA
2400	1.5km d/s Graigue Br	0	0	61	LA
2450	At Dolmen Hotel	270638	174158	61	LA
2455	Br at Dolmen Hotel	270591	174098	61	LA
2500	d/s Clogrennan Lock	0	0	61	LA
2600	Milford Br	269917	170497	61	CW
2680	Cardinal Moran Br	269482	166332	61	CW
2700	Leighlinbridge	269067	165467	61	CW
2750	At Island nr Killinane Ho	269534	163800	61	CW
2800	u/s Bagenalstown	270355	163054	61	CW
2900	Royal Oak Br (LHS)	268937	161444	61	CW
2910	Royal Oak Br (RHS)	268937	161444	61	CW
3000	Fenniscourt Lock	269757	159377	68	CW
3100	Goresbridge (100m u/s on LHS)	268437	153717	68	KK
3300	Ballyteigelea Br	271000	150410	68	KK
3500	Graiguenamanagh Br	270973	143540	68	KK
3600	St Mullins	0	0	68	KK

Hydrometric Area 14 (2009)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	105	18	100	0	15	55	21	0	2	0	8
0100	83	35	88	12	29	38	24	0	4	0	6
0200	80	58	57	43	43	24	22	0	5	0	6
0300	77	94	41	59	57	15	15	0	8	0	4
0500	70	207	36	64	60	10	11	1	13	0	6
0600	69	343	22	78	58	8	10	3	16	0	5
0700	69	385	19	81	58	8	9	3	16	0	6
0760	69	405	18	82	59	8	8	3	16	0	7
0850	69	417	18	82	59	8	8	3	16	0	6
0900	66	420	18	82	59	8	8	3	16	0	6
1000	59	1064	9	91	53	5	19	2	14	0	7
1300	58	1118	9	91	53	4	18	2	15	0	7
1400	57	1212	8	92	53	5	17	2	17	0	7
1500	56	1566	8	92	53	4	14	2	20	0	6
1590	55	1575	8	92	53	4	14	2	21	0	6
1900	52	1695	8	92	51	4	13	2	24	0	6
2000	49	1708	8	92	51	4	13	2	24	0	6
2200	49	2070	17	83	52	3	10	2	27	0	5
2450	49	2255	23	77	52	3	10	2	28	0	5
2600	50	2312	23	77	52	3	9	2	28	0	5
2680	40	2373	23	77	52	3	9	2	28	0	5
2700	40	2376	23	77	53	3	9	2	28	0	5
2750	39	2398	22	78	53	3	9	2	28	0	5
2800	39	2398	22	78	53	3	9	2	28	0	5
2900	34	2418	23	77	53	3	9	2	28	0	5
2910	34	2418	23	77	53	3	9	2	28	0	5
3000	30	2437	22	78	53	3	9	2	28	0	5
3100	26	2566	22	78	54	3	8	2	28	0	5
3500	12	2779	27	73	54	3	9	2	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 : **BLACK (BORRIS)**

14/B/06

Tributary of : 14M01 MOUNTAIN (CARLOW)

OS Catchment No: 183

OS Grid Ref of Confluence: S 728 480

Date(s) Surveyed: 1/10/2009

Station Nos.	1989	1993	1997	2000	Biological Quality Ratings (Q Values)		
					2003	2006	2009
0200	3-4	3	-	-	-	-	-
0300	3	3-4	-	-	-	-	-
0700	-	-	4-5	4	4	4	4
0900	4	4	-	-	-	-	-
1000	-	-	4-5	4	4	-	-
1300	4	4	-	-	-	4-5	-
1380	-	-	4-5	4-5	4	-	4
1400	4	4	-	-	-	-	-

Assessment: Continuing good ecological conditions at the two stations surveyed on the Black (Borris) River in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Coolnacuppoge Br. (SW of Ballynakill)	276000	158900	68	CW
0300	Aghline Br	275800	156700	68	CW
0700	Corries Br	274968	155827	68	CW
0900	Dunroe Br	274100	154700	68	CW
1000	Aghnamannoge Br	273428	154565	68	CW
1300	Kilcloney Br	273109	152749	68	CW
1380	1.2 km u/s Br in Borris	273312	151078	68	CW
1400	Br in Borris	273400	150000	68	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	72	32	100	0	55	2	5	0	32	0	5
1000	64	40	100	0	54	2	4	0	35	0	5
1380	46	46	100	0	54	1	4	0	36	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 : **BLACKWATER (LAOIS)**

14/B/03

Tributary of : 14O01 OWENASS

OS Catchment No: 183

OS Grid Ref of Confluence: N 433 057

Date(s) Surveyed: 1/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0400	-	-	3-4	-	-	-	-
0500	3-4	3-4	-	-	-	-	-
0800	-	-	-	4-5	4	3-4	-
0900	3	3-4	4	-	-	-	-
1000	3-4	3-4	3-4	3-4	3-4	4	4

Assessment: The macroinvertebrate fauna indicated good ecological conditions at Blackwater Bridge (1000) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br SE of Camcloon	239802	202485	54	LA
0500	Br SW of Clonygowan	0	0	54	LA
0800	Br nr Clontyglass	242797	202551	54	LA
0900	SW of Clonsoghey	243988	203232	54	LA
1000	Blackwater Br	243586	205685	54	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	113	2	100	0	72	0	0	0	28	0	0
0800	89	6	46	54	72	0	0	0	27	0	1
0900	82	32	15	85	54	3	6	0	27	0	9
1000	78	39	14	86	58	3	6	0	25	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 : **BOTHOGE**
 Tributary of : 14G04 GREESE
 OS Grid Ref of Confluence: S 794 936
 Date(s) Surveyed: 17/9/2009

14/B/04
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	3	3	3/0	3	3-4	4	-
0200	3/0	3	-	-	-	-	-
0300	3/0	3-4	3/0	3-4	3-4	4	4

Assessment: The macroinvertebrate fauna indicated continuing good ecological conditions on the Bothoge River at station 0300 in 2009, although excessive siltation of the substrata was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Rathtoole Br	282675	192892	55	WW
0200	Ballycore Br	0	0	55	WW
0300	Br to S of Timolin	279928	193235	55	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	128	8	100	0	67	4	0	0	29	0	0
0300	91	32	100	0	76	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 : **BURREN**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 717 765
 Date(s) Surveyed: 23/9/2009, 24/9/2009

14/B/05
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)								
	1976	1980	1984	1989	1993	1997	2003	2006	2009
0020	-	-	-	4-5	4-5	4-5	4-5	4-5	4
0060	-	-	-	3	4	2-3	3	3	-
0080	-	-	-	4	4	-	-	-	-
0100	-	5	4	4	4	4	4	3-4	3-4
0200	-	5	4	4-5	4	3-4	3-4	4	3-4
0300	-	4	4	4	4	3-4	4	3-4	3-4
0400	4	4	4	4	3-4	3	3-4	3-4	3-4
0485	-	-	-	-	-	-	3-4	3-4	3-4
0490	-	-	-	-	-	3	-	-	-
0500	4	4	4	4	3-4	-	-	-	-
0510	-	-	3	4	3-4	-	-	-	-

Assessment: The Burren River was in an unsatisfactory ecological condition at all but the uppermost station (Coolasnaghta, 0020) when surveyed in 2009. However, the macroinvertebrate fauna did indicate an unwelcome decline from high to good ecological conditions at this location. Signs of nutrient enrichment (dominance of tolerant macroinvertebrate species, paucity of pollution sensitive macroinvertebrates, excessive weed and/or algal growth and excessive siltation) were apparent at all other locations surveyed. An unsatisfactory decline in ecological condition was noted at Ballintrane Bridge (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Burren Br Coolasnaghta	281929	156877	68	CW
0060	Milltown Br	278822	158784	68	CW
0080	Garryhill Br	0	0	61	CW
0100	Ullard Br	279287	162876	61	CW
0200	Ballintrane Br	279706	167716	61	CW
0300	Rathoe Br	280786	171368	61	CW
0400	Staplestown Br	275392	174498	61	CW
0485	Ring Rd Br Carlow (d/s side)	272308	176362	61	CW
0490	Shopping Centre Br Carlow	272115	176502	61	CW
0500	Burren Br (RHS)	0	0	61	CW
0510	Burren Br (LHS)	0	0	61	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	164	6	100	0	41	13	47	0	0	0	0
0060	108	16	100	0	55	11	19	0	9	0	6
0100	86	39	100	0	51	5	8	0	31	0	5
0200	81	61	100	0	49	4	5	0	39	0	3
0300	65	84	100	0	48	3	4	0	43	0	2
0400	58	160	100	0	44	1	2	0	51	0	1
0490	50	180	90	9	46	1	2	3	48	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 : **CLONCUMBER STREAM**

14/C/17

Tributary of : 14S01 SLATE

OS Catchment No: 183

OS Grid Ref of Confluence: N 723 233

Date(s) Surveyed: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1997	2000	2003	2006	2009
0100	-	3	3*	3-4*	-	-
0200	3-4	3-4	3*	3-4	3	3-4

Assessment: Although a slight improvement was noted in the macroinvertebrate fauna at Old River Bridge (0200), the Cloncumber Stream remains in an unsatisfactory ecological condition in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Wheelam Crossroads	275661	217505	55	KE
0200	Old River Br (W)	274410	220978	49	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	79	32	9	91	48	0	0	19	17	0	16
0200	76	44	13	87	51	2	3	14	18	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 : **CROOKED (STRADBALLY)**

14/C/02

Tributary of : 14S02 STRADBALLY (LAOIS)

OS Catchment No: 183

OS Grid Ref of Confluence: S 569 957

Date(s) Surveyed: 3/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0200	4	4-5	4	3-4	4	4-5	4
0400	4	4	-	-	4	-	-
0600	4	4	3-4	3	3*	3-4	4
0800	-	-	3-4	3-4	3-4	3	-
0900	4	3-4	-	-	-	-	-

Assessment: An unwelcome decline from high to good ecological conditions was evident in the upper reaches (0200) of the Crooked (Stradbally) River in 2009. Heavy siltation of the riverbed substrata was observed with severe bank erosion noted just upstream of the station. Satisfactory ecological conditions were noted at Timogue Bridge (0600), however heavy siltation was also evident at this location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br W of Luggacurren	258598	188759	61	LA
0400	Blue Br	0	0	55	LA
0600	Timogue Br	255408	193702	55	LA
0800	2nd Br u/s Stradbally R confl	256041	194795	55	LA
0900	Pole's Br	256990	195585	55	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	131	5	0	100	89	0	0	0	11	0	0
0600	91	28	0	100	73	6	0	0	19	0	2
0800	87	31	0	100	72	6	0	0	21	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 : **CUSHINA**
 Tributary of : 14F01 FIGILE
 OS Grid Ref of Confluence: N 607 157
 Date(s) Surveyed: 17/8/2009

14/C/04
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1989	1993	1997	2000	2003	2006	2009
0050	-	-	3-4	3-4	3	3-4	3	n/a	3*
0080	-	-	3-4	3-4	3	4-5	4	3-4	-
0100	4	4	4-5	4-5	3-4	4	4	4	3-4*

Assessment: The Cushina River was in an unsatisfactory ecological condition when surveyed in 2009. The dominance of tolerant macroinvertebrate fauna, excessive macrophyte and algal growth coupled with heavy siltation of the substrata and bankside erosion indicated an unwelcome decline in ecological status at Cushina Bridge (0100). Restriction of livestock access and the creation of a vegetative buffer along the banks could help alleviate the bank erosion and heavy siltation of the substrata noted at both stations surveyed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NE of Clonygowan	248590	216504	54	OF
0080	Kelly's Br	253351	216341	55	OF
0100	Cushina Br	255960	216138	55	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	77	16	0	100	72	4	4	0	15	0	5
0080	69	27	0	100	75	3	2	0	12	0	8
0100	63	69	0	100	62	3	16	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 : **DAINGEAN**
 Tributary of : 14F01 FIGILE
 OS Grid Ref of Confluence: N 605 238
 Date(s) Surveyed: 12/8/2009

14/D/06
 OS Catchment No: 183

Station Nos.							Biological Quality Ratings (Q Values)				
	1981	1984	1986	1989	1990	1993	1997	2000	2003	2006	2009
0100	3-4	3-4	3-4	2-3	-	3	3	2-3	2-3	2-3	-
0200	3	3	3	2	2	2-3	2-3	2	3	2-3	2-3
0400	1	2	3	2/0	2	3-4	3	3	3	3-4	3
0520	-	-	3-4	3	-	3	3-4	3	3-4	3	3-4
0600	-	3	3-4	-	-	-	-	4	3	3	-

Assessment: The River Daingean remains in an unsatisfactory ecological condition again in 2009. Poor ecological conditions (dominance of pollution tolerant macroinvertebrate species, excessive weed and algal growths, low dissolved oxygen (66% saturation) and heavy siltation) were evident in the upper reaches (0200). Similar conditions were observed downstream (0400) however dissolved oxygen levels (116% saturation) were elevated and heavy peat siltation was recorded. Although macroinvertebrate diversity improved downstream (0520), the paucity of pollution sensitive macroinvertebrates, continued excessive growth of instream weeds and heavy siltation indicated unsatisfactory moderate ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Island Br	247785	226932	48	OF
0200	Br d/s Island Br	248366	227674	48	OF
0400	Br E of Mount Lucas House	252621	227635	49	OF
0520	Nr Esker Br	255720	227107	49	OF
0600	1 km u/s Figile R confl	259791	223342	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	75	28	0	100	50	0	37	0	6	0	6
0200	77	35	0	100	58	0	30	2	5	0	5
0400	72	47	0	100	58	0	26	2	5	0	8
0520	69	50	0	100	60	0	26	2	5	0	8
0600	70	159	0	100	51	3	29	1	6	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 : **DOUGLAS (LAOIS)**

14/D/03

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: N 714 825

Date(s) Surveyed: 21/9/2009, 22/9/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1984	1989	1993	1997	2000	2003	2006	2009
0040	-	-	-	-	-	-	-	-	4	4
0050	-	5	4-5	4-5	4	-	-	-	-	-
0080	-	-	-	-	-	4-5	3-4	3-4	-	-
0090	-	-	-	4-5	4	-	-	-	-	-
0100	-	4	4	4	4-5	4-5	4	4	4-5	4-5
0200	-	4	3	3-4	3-4	3-4	3-4	3-4	4	3-4
0300	4	3	3	3-4	3	4	3	3-4*	n/s	-

Assessment: The upper reaches (0040, 0100) of the Douglas (Laois) River were in a satisfactory ecological condition in 2009. The dominance of pollution tolerant macroinvertebrate species, enhanced weed and algal growth, heavy siltation and elevated dissolved oxygen reading (135% oxygen saturation) indicated an unsatisfactory decline in ecological conditions in the lower reaches (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Shanragh Br (Br u/s Wandesford Br)	260882	184658	61	LA
0050	Wandesford Br	0	0	61	LA
0080	Br d/s Wandesford Br	264191	185620	61	LA
0090	Br u/s Gale's Br	0	0	61	LA
0100	Gale's Br	265901	186004	61	LA
0200	Br d/s Gale's Br (Coolanagh)	268890	183898	61	LA
0300	Grange Br	271097	182299	61	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	86	16	0	100	83	0	0	0	16	0	1
0100	70	41	0	100	79	2	0	0	18	0	1
0200	58	46	0	100	80	1	0	0	18	0	0
0300	50	72	0	100	74	1	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 : **DUISKE**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 708 437
 Date(s) Surveyed: 13/10/2009

14/D/04
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1985	1989	1993	1997	2000	2003	2006	2009
0050	-	-	-	4	4	-	-	-	-	-
0100	4	4	3-4	3-4	4	4	4	4-5	4	-
0200	2	3	3	3-4	4	3	3	3	4	4

Assessment: Continuing good ecological conditions at Graiguenamanagh (0200) in 2009, although some rubbish dumped instream and on river banks.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br near Raheendonore	0	0	68	KK
0100	Aghclare Br	268452	144414	68	KK
0200	Br in Graiguenamanagh	270911	143520	68	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	64	10	100	0	65	12	7	0	12	0	5
0200	12	24	100	0	68	7	4	2	16	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 : **DUNRALLY STREAM**

14/D/05

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: N 634 023

Date(s) Surveyed: 18/8/2009, 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	-	-	3-4	3-4	3-4	3-4	3-4
0200	4	3	4	3-4	3-4	4	3-4
0400	3-4	4	3-4	3-4	3*	4	4

Assessment: Ecological conditions on the Dunrally Stream remain unsatisfactory near Garrymaddock (0100) in 2009. An unwelcome decline in quality was also apparent at Rossmore Bridge (0200) where a paucity of pollution sensitive macroinvertebrate fauna was noted. Signs of enrichment were evident with enhanced weed growth and excessive calcification and compaction of the riverbed substratum noted. Good ecological conditions persist upstream of the River Barrow confluence (0400) although enhanced weed growth and calcification were noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br WNW of Garrymaddock	256358	202544	55	LA
0200	Rossmore Br	258197	203911	55	LA
0400	Br u/s Barrow R confl	262941	202614	55	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	76	19	0	100	56	0	0	5	39	0	0
0200	65	26	0	100	57	1	0	4	38	0	1
0400	60	62	0	100	43	9	1	2	40	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 : **ESKER STREAM**

14/E/01

Tributary of : 14D06 DAINGEAN

OS Catchment No: 183

OS Grid Ref of Confluence: N 558 271

Date(s) Surveyed: 12/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	3	3-4	4	4-5	3-4	-	-
0200	3	4	4-5	4	3-4	3	3-4

Assessment: Although a slight improvement was noted in the macroinvertebrate fauna, ecological conditions remain unsatisfactory at Esker Bridge (0200) in 2009. Signs of enrichment including enhanced weed and algal growth and excessive siltation were observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Newtown Br	252987	228548	49	OF
0200	Esker Br	255900	227294	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	75	32	0	100	66	2	19	0	6	0	7
0200	70	62	0	100	63	2	18	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 : **FIGILE**

14/F/01

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: N 618 114

Date(s) Surveyed: 12/8/2009, 13/8/2009, 17/8/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1975	1976	1979	1986	1989	1990	1993	1994	1997	2000	2003	2006	2009
0010	-	-	-	-	2-3	-	3	-	-	-	-	-	-
0050	-	-	-	-	2	1-2	2	1	1/0	1-2	2	2-3	2-3
0100	-	-	-	3-4	3-4	-	3-4	-	2	3	3	3-4	3-4
0200	-	-	-	3-4	3	-	3-4	-	3	3-4	3-4	3-4	3-4
0300	3-4	4	4	4	4	-	-	-	3-4	4-5	4	4	-
0400	-	-	-	4	4	-	4	-	3-4	3-4	3-4	3-4	3-4
0500	-	4	5	4	4	-	4	-	3-4	4	4	3-4	3-4
0600	-	-	5	4	4	-	4	-	-	-	-	3-4	-

Assessment: The Figile River was in an unsatisfactory ecological condition when surveyed again in 2009. There was no change in status with signs of eutrophication evident at the five stations examined. Poor ecological conditions were apparent in the upper reaches (0050), the dominance of pollution tolerant macroinvertebrate species, excessive algal growth, heavy siltation and low dissolved oxygen levels (72% saturation) indicated significant ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Dillon's Br	0	0	49	KE
0050	Ticknevin Br	269695	230157	49	KE
0100	Cushaling Br	265101	225853	49	OF
0200	Kilcumber Br	261057	226788	49	OF
0300	Clonbulloge Br	260979	223490	49	OF
0400	Derrygarran Br	261891	220896	49	OF
0500	Andra Br	259556	217964	55	OF
0600	1 km u/s Barrow R confl	262373	212078	55	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	80	11	0	100	47	0	35	1	7	0	10
0200	69	80	0	100	27	1	60	0	8	0	4
0300	67	247	0	100	44	2	39	0	7	0	8
0400	66	261	0	100	45	2	39	0	7	0	7
0500	60	291	0	100	46	2	36	0	7	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 : **FUSHOGE**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 696 736
 Date(s) Surveyed: 23/9/2009

14/F/03
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1986	1989	1993	1997	2000	2003	2006	2009
0050	-	-	-	-	-	4	4-5	4	4-5	4-5
0100	-	-	-	4	4	-	-	-	-	-
0200	-	4	4	4	4	-	-	-	-	-
0220	-	-	-	-	-	3-4	3-4	4-5	4	-
0250	-	-	-	4-5	3-4	-	-	-	-	4
0290	-	-	-	-	-	-	-	4	4	-
0300	4	4	4	4	4	3-4	3	-	-	-

Assessment: The Fushoge River was in a satisfactory ecological condition in 2009. High ecological conditions persist at Strand Bridge (0050) although excessive siltation was noted. The macroinvertebrate fauna indicated good ecological conditions in the lower reaches at Rossmore Bridge (0250), however once again excessive siltation of the riverbed substrata was evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Strand Br	265441	180437	61	LA
0100	1 km SE of Ballickmoyler	0	0	61	LA
0200	Curragh Br	0	0	61	LA
0220	Ballykillen Br	269302	177210	61	LA
0250	Rossmore Br	269150	175651	61	LA
0290	Fushoge Br	269650	173950	61	LA
0300	Clogrenan Br	269679	173962	61	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	95	8	0	100	100	0	0	0	0	0	0
0220	59	23	0	100	95	0	0	0	5	0	0
0300	49	40	0	100	89	3	0	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.

Hydrometric Area 14 (2009)

River and Code : **GLENLAHAN**

14/G/02

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: N 347 110

Date(s) Surveyed: 27/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0300	4-5	4-5	4-5	4-5	4	4	4-5

Assessment: The Glenlahan River was in a highly satisfactory ecological condition in August 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Clarahill Br	234580	210808	54	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	100	11	100	0	21	32	43	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 : **GOWRAN**

14/G/03

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 682 540

Date(s) Surveyed: 13/10/2009, 29/9/2009, 30/9/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1976	1980	1985	1989	1990	1993	1997	2000	2003	2006	2007	2009
0010	-	-	-	4	-	-	-	-	-	-	-	-
0020	-	-	-	2-3	-	4	4-5	3	2	4-5	-	4-5
0050	-	5	3	2-3	-	3-4	4	4	4	3-4	-	-
0100	-	-	-	4	-	4	3	3	3-4	3-4	-	3-4
0200	4	4	4	4	-	3	-	-	-	-	-	-
0220	-	-	-	-	-	-	3	4	3	4	-	-
0300	-	-	-	4	-	4	3	3	3	3-4	-	3-4
0400	-	-	3-4	2	2-3	3	3	3	2-3	2	2-3	2-3

Assessment: High ecological conditions continued at Freneystown (0020) in 2009. Ecological conditions however, remain unsatisfactory downstream at Gowran (0100) and on the south channel, north of Goresbridge (0300). Enriched conditions were evident with the paucity of pollution sensitive macroinvertebrate species, enhanced weed and algal growths and excessive siltation. Poor ecological conditions continue in the vicinity of Red Mill (0400) where the complete lack of pollution sensitive species and dominance of pollution tolerant species indicated significant ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br SE of Ossoryhill	0	0	61	KK
0020	Br E of Freneystown	259787	159266	67	KK
0050	Br S of Blanchvillespark	260907	155563	68	KK
0100	Br at W side of Gowran	262853	153090	68	KK
0200	Goat's Br	0	0	68	KK
0220	1st Br d/s Goat's Br	265443	153327	68	KK
0300	Br N of Goresbridge (S Channel)	268220	153896	68	KK
0400	Br at Red Mill (N Channel)	268153	154292	68	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	130	7	0	100	97	3	0	0	0	0	0
0050	77	17	0	100	96	1	0	0	1	0	1
0100	57	30	0	100	76	1	0	0	23	0	1
0220	43	39	0	100	75	1	0	2	21	0	0
0300	27	42	0	100	74	1	0	3	23	0	0
0400	30	0	0	100	56	0	0	0	44	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 : **GRANEY (LERR)**

14/G/07

Tributary of : 14L01 LERR

OS Catchment No: 183

OS Grid Ref of Confluence: S 784 850

Date(s) Surveyed: 22/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	3	3	3	3	-	-	-
0200	3	4	3-4	3	3	3-4	3
0310	4	4	4	3	3-4	3-4	-

Assessment: An unwelcome decline in ecological quality was evident at Graney (0200), the complete lack of pollution sensitive macroinvertebrates, dominance of pollution tolerant species coupled with calcification and compaction of the river bed substrata indicated unsatisfactory conditions again in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Miller's Br	284414	185411	61	WW
0200	Br in Graney	281714	183963	61	KE
0310	Just u/s Lerr R confl	278523	184979	61	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	113	6	100	0	86	0	0	0	14	0	0
0200	93	19	100	0	76	0	0	0	23	0	1
0310	72	63	100	0	59	0	0	0	39	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 : **GRANGECON STREAM**

14/G/06

Tributary of : 14G04 GREESE

OS Catchment No: 183

OS Grid Ref of Confluence: S 833 978

Date(s) Surveyed: 17/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	4-5	4	4	3-4	4	4	-
0400	4	4	4	-	3-4	4	3-4

Assessment: The lack of pollution sensitive macroinvertebrate species indicated an unwelcome decline in ecological conditions on the Grangecon Stream at Ballynure (0400) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ardsillish Br	286270	195494	55	WW
0400	Br SE of Ballynure	283600	196700	55	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	146	8	100	0	86	3	0	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 : **GREESE**

14/G/04

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 712 830

Date(s) Surveyed: 16/9/2009, 17/9/2009, 21/9/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1985	1989	1993	1997	2000	2003	2006	2009
0040	-	-	-	3-4	4	3-4	-	-	-	-
0050	-	-	-	-	-	-	3	3	2-3	3
0070	-	-	-	1	2-3	2	2	3	2-3	3
0100	-	4	4	4	4	3-4	3	3-4	3-4	3-4
0200	-	4	3-4	3	3-4	3	3	3	3-4	3
0300	-	4	3-4	3	3-4	-	-	-	-	-
0350	-	4	3-4	3-4	4	3-4	3	3	3	3
0400	-	4	3	3-4	4	3-4	3-4	3	3-4	3
0500	-	4	4	4	3-4	3-4	3	3	-	3-4
0600	4	4	3-4	4	3-4	3-4	3-4	3-4	3-4	-

Assessment: The Greese River remains in an unsatisfactory ecological condition in 2009. Although a slight improvement was noted in the upper reaches, the lack of any sensitive macroinvertebrates, excessive siltation, calcification of substrata and enhanced macrophyte and algal growth indicated poor ecological conditions at the majority of sites surveyed. The macroinvertebrate fauna indicated a further unwelcome decline from moderate to poor ecological quality conditions at Stations 0200 and 0400.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	N Br Naas Rd Dunlavin	287400	202200	55	WW
0050	Br NE of Milltown	286377	201613	55	WW
0070	Br NW of Cross Keys	286164	201087	55	WW
0100	Spratstown Br	282424	198042	55	KE
0200	Br nr Greese Bank	279834	195747	55	KE
0300	Moone Br	0	0	55	KE
0350	Br NE of Belan House	277550	190633	55	KE
0400	Kilkea Br	274554	188305	61	KE
0500	Levitstown Br	272928	184954	61	KE
0600	Greese Br u/s Barrow R confl	271695	182946	61	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	N/A	3	100	0	98	0	0	0	2	0	0
0050	136	7	100	0	91	0	0	5	3	0	0
0070	132	10	100	0	93	0	0	4	2	0	0
0100	107	35	100	0	75	3	0	5	18	0	0
0200	95	51	100	0	74	2	0	3	20	0	0
0350	79	105	98	2	73	1	0	2	24	0	0
0400	69	129	88	12	66	1	0	2	31	0	0
0500	59	134	87	13	64	1	0	2	32	0	0
0600	50	138	86	14	63	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 : **GUILLIE**
 Tributary of : Barrow
 OS Grid Ref of Confluence: S 71280 8
 Date(s) Surveyed: 21/9/2009

14/G/11
 OS Catchment No:

Station Nos.	2009	Biological Quality Ratings (Q Values)
0800	4*	

Assessment: Although excessive siltation was evident, water levels were low and flow was near stagnant, the diverse macroinvertebrate fauna present indicated good ecological conditions on this small tributary of the River Barrow (0800) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0800	Br u/s Barrow R confl	271162	183129	61	LA

River and Code : **LERR**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 714 815
 Date(s) Surveyed: 22/9/2009

14/L/01
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1985	1989	1993	1997	2000	2003	2006	2009
0080	-	-	-	-	-	3-4	3	3-4	3-4	3-4
0100	-	4	4	4	4	-	-	-	-	-
0150	-	-	-	3	3	3	-	-	-	-
0155	-	-	-	-	-	-	3	3	4	3*
0200	-	4	4	3-4	3	-	-	-	-	-
0250	-	-	-	3-4	3-4	3-4	3	3	3-4	-
0300	4-5	4	4	4	3-4	3-4	3	3	3-4	3-4

Assessment: The Lerr River was in an unsatisfactory ecological condition at the three stations surveyed in 2009. Signs of enrichment including a paucity of pollution sensitive macroinvertebrate species, enhanced weed and algal growth, calcification and excessive siltation of the riverbed substratum were evident. An unwelcome decline from good to moderate ecological conditions, were noted at Halfmiletown (0155), downstream of Castledermot. The lack of pollution sensitive macroinvertebrate species, excessive algal growth, heavy siltation and bank erosion coupled with an elevated dissolved oxygen reading (113% saturation) indicated significant ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	The Green Br	278562	185386	61	KE
0100	Doyles Br	278300	184700	61	KE
0150	Br E of Woodlands House	276825	184177	61	KE
0155	Agric Br at Halfmiletown	276822	184174	61	KE
0200	Br W of Prumplestown House	275934	183183	61	KE
0250	Ballaghmoon Br	274255	181486	61	KE
0300	Lerr Br	271808	181498	61	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	73	26	100	0	51	0	0	0	46	0	3
0150	68	70	100	0	55	0	0	1	42	0	2
0155	68	70	100	0	56	0	0	1	42	0	2
0250	56	103	98	2	50	0	0	1	48	0	1
0300	50	112	95	5	50	0	0	0	49	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 : **MONEFELIM**

14/M/03

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 685 555

Date(s) Surveyed: 29/9/2009, 30/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	4	4	5	4-5	4-5	4	4
0300	-	-	5	4-5	5	-	-
0600	4	4	-	-	-	3-4	4
0800	-	-	3	4	3-4	-	-
0900	4	3-4	-	-	-	-	-
1000	4	4	3	4	3-4	4	3-4

Assessment: Good ecological conditions persist at Castlewarren Bridge (0100) on the Monefelim River in 2009, although excessive siltation was noted. The macroinvertebrate community indicated a welcome improvement in the Garryduff area (0600) although heavy siltation of the riverbed was also observed. Downstream a paucity of pollution sensitive macroinvertebrate species coupled with excessive algal growths, siltation and elevated dissolved oxygen levels (117%) indicated a decline in ecological conditions at the bridge (1000) located upstream of the River Barrow confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Castlewarren Br	261047	160893	61	KK
0300	Br SE of Ballyvalden (100m d/s)	262946	158668	68	KK
0600	Br SW of Garryduff Crossroads	264223	157768	68	KK
0800	Br d/s Monefelim Br	266584	156494	68	KK
0900	Barraghcore Br	0	0	68	KK
1000	Br u/s Barrow R confl (u/s side)	268471	155575	68	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	145	10	0	100	73	1	0	0	0	0	26
0300	80	15	0	100	76	1	0	0	0	0	24
0800	41	49	0	100	75	2	0	1	11	0	11
1000	29	55	0	100	73	2	0	1	14	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 : **MOUNTAIN (CARLOW)**

14/M/01

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 733 499

Date(s) Surveyed: 1/10/2009, 24/9/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1989	1993	1997	2000	2003	2006	2009
0020	-	-	4	4	4	4	5	4	4
0040	-	-	4	4	-	-	-	-	-
0050	-	4-5	4-5	4-5	4-5	4	4-5	-	-
0070	-	-	4-5	4-5	5	4	5	4	4
0100	5	4-5	4-5	4-5	-	-	-	-	-
0200	5	4	3-4	4	4-5	4	-	-	4

Assessment: Good ecological conditions continue on the Mountain (Carlow) River in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br u/s Killedmond Br	279559	152135	68	CW
0040	Just u/s Aughnabrisky R confl	0	0	68	CW
0050	Br W of Killedmond	276930	151603	68	CW
0070	Brook Lodge	274424	151004	68	CW
0100	Ballycoppigan Br	273437	149877	68	WD
0200	Just u/s Barrow R confl	272971	149455	68	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	120	6	100	0	15	27	43	0	7	0	8
0050	62	38	100	0	26	7	37	0	20	0	11
0070	45	45	100	0	33	6	31	0	19	0	11
0100	35	52	100	0	37	5	27	0	22	0	9
0200	33	102	100	0	47	3	15	1	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 : **OLD LEIGHLIN STREAM**

14/O/02

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 690 647

Date(s) Surveyed: 25/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0300	2-3	3-4	4	3-4	-	-	-
0400	-	-	4-5	4	-	-	-
0500	-	-	4-5	-	4-5	4	-
0700	4	3	4	3-4	3-4	3-4	3-4*

Assessment: Unsatisfactory moderate ecological conditions persist at Madlin Bridge (0700) in 2009. Enriched conditions were evident with abundant algal growths, elevated dissolved oxygen levels (120% saturation), heavy siltation and extensive bank erosion observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballynolan Br	268347	165090	61	CW
0400	Br in Old Leighlin	265981	165347	61	CW
0500	Br at E side of Old Leighlin	266205	165375	61	CW
0700	Madlin Br	268738	164563	61	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	47	12	0	100	85	6	0	0	4	0	4
0400	83	7	0	100	83	10	0	0	0	0	7
0500	78	7	0	100	84	10	0	0	0	0	6
0700	42	20	0	100	88	4	0	0	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 : **OWENASS**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: N 462 093
 Date(s) Surveyed: 1/9/2009, 7/9/2009

14/O/01
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1976	1978	1980	1984	1986	1989	1993	1997	2000	2003	2006	2009
0050	-	-	-	-	5	-	-	4-5	4-5	4-5	4-5	4-5	n/s	4
0100	5	5	5	5	5	4-5	4-5	4	4	-	-	-	-	-
0120	-	-	-	-	-	-	-	-	-	5	5	4-5	3	3-4
0180	-	-	-	-	-	-	-	4	3-4	-	-	-	-	-
0200	5	4-5	4-5	4-5	4	4	4	4	3-4	-	-	-	-	-
0220	-	-	-	-	-	-	-	3-4	3-4	4	3-4	3-4	3	3-4
0300	2	2	1-2	1-2	3	2	3-4	3-4	3-4	3-4	3-4	3-4	2-3	3-4

Assessment: The Owenass River was in an unsatisfactory ecological condition at all but one (0050) of the four stations surveyed in 2009. Although the macroinvertebrate fauna indicated good ecological conditions at Cathole Bridge (0050), the sparse abundances and limited diversity present indicated a decline from the previously reported high ecological conditions. Excessive siltation was evident. Macroinvertebrate diversity improved downstream at Barkmill (0120) and at Mountmellick (0220), however the dominance of pollution tolerant species continued to indicate unsatisfactory ecological conditions. A welcome improvement from poor to moderate ecological conditions was noted downstream of Mountmellick town (0300), however the continued dominance of pollution tolerant macroinvertebrate species highlighted the need for further remediation. Sewage discharges are the suspected source of pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Cathole Br	237703	204894	54	LA
0100	Br W of Barkmill	0	0	54	LA
0120	Fords N of Barkmill	241476	205109	54	LA
0180	Br u/s Blackwater Rv confl	0	0	54	LA
0200	Owenass Br	0	0	54	LA
0220	Br d/s Owenass Br (on N80) .	244907	207330	54	LA
0300	1.7 km d/s Mountmellick	245973	208897	54	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	162	11	100	0	11	35	26	0	3	0	25
0120	89	16	92	8	29	25	19	0	9	0	18
0220	77	78	40	60	52	7	9	0	23	0	9
0300	70	79	39	61	53	7	9	1	22	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 : **PALATINE STREAM**

14/P/04

Tributary of : 14L01 LERR

OS Catchment No: 183

OS Grid Ref of Confluence: S 751 819

Date(s) Surveyed: 22/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	3	3	-	-	-	-	-
0200	3	3	4	3	3	3	3

Assessment: The lack of pollution sensitive macroinvertebrate species continues to indicate poor ecological conditions on the Palatine Stream at Gorteen Bridge (0200) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Palatine Br	0	0	61	KE
0200	Gorteen Br	275860	181597	61	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	60	17	100	0	39	0	0	0	61	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 : **POLLMOUNTY**

14/P/03

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 737 352

Date(s) Surveyed: 12/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1989	1993	1997	2000	2003	2006	2009
0100	4	3-4	3-4	3-4	4	4	4-5	4	-
0200	4	4	4	4	4	4	-	-	-
0300	4	4	2-3	3	3	3	3-4	3-4	3-4

Assessment: Unsatisfactory ecological conditions continue on the Pollmounty River downstream of the Aughananagh River confluence (0300) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Ballywilliam	277291	135021	76	WX
0200	750m d/s aughnacrew R confl	275748	135016	76	WX
0300	D/s Aughananagh R confl	274468	135507	76	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	95	5	100	0	61	22	0	0	2	0	15
0200	47	39	100	0	62	4	0	0	32	0	2
0300	17	48	100	0	58	11	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 : **POWERSTOWN**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 687 523
 Date(s) Surveyed: 30/9/2009

14/P/02
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0200	4	3-4	3-4	3-4	3-4	n/s	-
0400	4	4	3-4	3-4	4	4	4

Assessment: Continuing satisfactory in the lower reaches (0400) in 2009, although excessive siltation of the river bed observed and increased turbidity noted while onsite.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SE of Powerstown	266638	150792	68	KK
0400	Br u/s Barrow R confl	268492	152047	68	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	48	20	67	33	67	5	0	0	25	0	3
0400	31	28	53	47	65	4	0	0	29	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 : **RATHEVEN STREAM**

14/R/05

Tributary of : Borris Great Stream

OS Catchment No:

OS Grid Ref of Confluence: N 4699 01

Date(s) Surveyed: 2/9/2009

Station Nos.	2009	Biological Quality Ratings (Q Values)
0200	n/s	
0300	2-3	

Assessment: The dominance of pollution tolerant macroinvertebrate species coupled with the complete lack of pollution sensitive species indicated unsatisfactory poor ecological conditions near Ratheven (0300) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Br at Ratheven (R445)	249120	199190	54	LA
0300	Br nr Ratheven	248606	200115	54	LA

River and Code : **RED HILL STREAM**

14/R/06

Tributary of : Borris Great Stream

OS Catchment No:

OS Grid Ref of Confluence: N 4744 03

Date(s) Surveyed: 2/9/2009

Biological Quality Ratings (Q Values)

Station Nos. **2009**
0400 3-4*

Assessment: The Red Hill Stream was in an unsatisfactory ecological condition when surveyed in 2009. Signs of enrichment were evident with a paucity of pollution sensitive macroinvertebrate species, enhanced instream weed growth and excessive siltation of the riverbed substrata and bank erosion observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br nr Red Hill	248509	203148	54	LA

River and Code : **SLATE**

14/S/01

Tributary of : 14F01 FIGILE

OS Catchment No: 183

OS Grid Ref of Confluence: N 608 163

Date(s) Surveyed: 13/8/2009, 17/8/2009

Station Nos.	1976	1978	1980	1985	1989	1993	Biological Quality Ratings (Q Values)				
							1997	2000	2003	2006	2009
0020	-	-	-	-	2-3	2-3	3	2-3	2	3	3
0050	-	-	-	-	3	3	3	3	2-3	3	3
0100	4	5	4-5	3-4	3	3	3	3	3	3	-
0150	-	-	-	-	-	-	3-4	3-4	3-4	3-4	-
0200	3-4	4	4	3-4	4	3-4	-	-	-	-	-
0210	1	3	4	4	3	3	3-4	3-4	3-4	3	3
0300	3-4	4-5	4	3-4	4	4	-	4	4	3-4	3-4*

Assessment: The Slate River was in an unsatisfactory ecological condition at the four stations surveyed in 2009. Poor ecological conditions persist downstream of Prosperous (0020, 0050) and downstream of Rathangan (0210). Although macroinvertebrate diversity improves downstream, the continued dominance of pollution tolerant macroinvertebrate species, excessive algal growths and heavy siltation was indicative of unsatisfactory moderate ecological conditions, upstream of the Figile River confluence (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Quigley's Br	278790	226708	49	KE
0050	Ford Br	276170	225422	49	KE
0100	Agar Br	270325	221669	49	KE
0150	E Br Rathangan (Opp Church)	267595	219555	55	KE
0200	100 m u/s Br nr Spencer Br	0	0	55	KE
0210	100 m d/s Br nr Spencer Br	266578	219142	55	KE
0300	River Br	261457	216703	55	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	78	19	0	100	55	0	23	4	12	0	6
0050	76	46	3	97	49	6	26	5	11	0	3
0100	70	143	10	90	49	3	21	7	15	0	5
0150	71	172	9	91	47	4	21	6	17	0	5
0210	69	172	9	91	47	4	21	6	17	0	5
0300	60	215	9	91	49	3	18	5	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 : **STRADBALLY (LAOIS)**

14/S/02

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: S 631 995

Date(s) Surveyed: 3/9/2009, 15/9/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1984	1989	1993	1997	2000	2003	2006	2009
0030	-	-	-	-	-	4	4-5	4	4	4
0040	-	-	-	4	4	-	-	-	-	-
0050	-	5	4	3-4	4	-	-	-	-	-
0100	-	4	3-4	3-4	4	3-4	3-4	3	4	3-4
0200	-	4	4	4	4	-	-	-	-	-
0300	3-4	4	3-4	3	3	-	-	-	-	-
0350	-	4	3-4	3-4	3-4	3	3-4	3	3-4	3-4
0400	-	4	3	4	4	3-4	3-4	3-4	3-4	3-4

Assessment: Good ecological conditions persist in the upper reaches (0030) of the Stradbally (Laois) River in 2009, although enhanced algal growth indicated some enrichment. An unwelcome decline in ecological conditions was evident at Bauteogue Bridge (0100). Moderate ecological conditions continue downstream of Stradbally (0350, 0400) where a paucity of pollution sensitive macroinvertebrate species, enhanced weed and algal growth, heavy siltation of the riverbed and elevated dissolved oxygen readings indicated ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br NW of Ballintlea	253181	189624	61	LA
0040	Upstream Br Timahoe	0	0	55	LA
0050	Br on Portlaoise Rd Timahoe	0	0	55	LA
0100	Bauteogue Br	255244	193990	55	LA
0200	Stradbally Br	0	0	55	LA
0300	Dowlings Br (in Brockley Park)	0	0	55	LA
0350	Br WNW of Ballykilevan Ho	259624	197163	55	LA
0400	Derrybrock Br	261383	199088	55	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	133	8	0	100	74	4	0	0	21	0	1
0100	94	36	0	100	63	5	0	0	32	0	0
0350	70	90	0	100	58	6	0	1	33	0	2
0400	60	95	0	100	58	6	0	1	33	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 : **TRIOGUE**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: N 474 098
 Date(s) Surveyed: 2/9/2009, 3/9/2009

14/T/01
 OS Catchment No: 183

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1978	1980	1981	1984	1986	1989	1993	1997	2000	2003	2006	2007	2009
0060	-	-	-	-	-	-	-	3	3	3	3-4	3	3	-	3
0100	5	4	4-5	4	4	4	4-5	4	4	4	3-4	3	3	-	3-4
0200	1	1-2	1	1	1	2	2	2-3	3	2	2	-	2	2-3	3
0300	3	2-3	2-3	3-4	1-2	2	2-3	2-3	3	2	2-3	3	2-3	-	3
0400	-	-	-	-	-	-	-	3	3-4	3	3	3	3	-	3

Assessment: The Triogue was in a poor ecological condition at all but one (0100) of the five stations surveyed in 2009. Agriculture is suspected as the most likely source of the pollution recorded at both locations surveyed upstream of Portlaoise (0060, 0100) while sewage is considered to be the main factor causing the poor ecological conditions just below Portlaoise at Kyle Bridge (0200) and at the two lower stations (0300, 0400). Although a slight improvement in macroinvertebrate diversity was observed upstream of Portlaoise (0100), the continued lack of pollution sensitive species, enhanced weed and algal growth and heavy siltation of the riverbed substrata indicates continued unsatisfactory moderate ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Cush Br	247100	193900	54	LA
0100	Equestrian Centre Br on R426	247870	197220	54	LA
0200	Kyle Br	246374	200499	54	LA
0300	Eyne Br	247474	204196	54	LA
0400	Triogue Br (on R422)	247579	207414	54	LA

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	93	29	0	100	60	10	4	2	18	0	6
0200	87	46	0	100	53	9	3	14	18	0	4
0300	75	85	0	100	57	7	3	9	21	0	4
0400	71	99	0	100	58	6	2	8	21	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 : **TULLY STREAM**

14/T/02

Tributary of : 14B01 BARROW

OS Catchment No: 183

OS Grid Ref of Confluence: N 637 024

Date(s) Surveyed: 18/8/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1981	1986	1987	1988	1989	1990	1993	1997	2000	2003	2006	2007	2008	2009
0100	4	4	-	-	3-4	-	3	3	3	3-4	3	-	-	-
0200	2	2	2	2	2	2	2-3	2	2	2-3	2-3	-	-	2-3
0300	4	2	2	2	3	-	3	2-3	2-3	1-2	2	2*	2	3
0390	-	-	-	-	-	-	-	-	2-3	2	2	3*	-	3*
0400	3-4	2-3	-	2-3	3	-	3	3	-	-	-	-	-	-
0500	4	3	-	-	3	-	3-4	3	3	3	3	-	-	3
0600	-	4	-	-	3-4	-	4	3-4	4	4	3-4	-	-	3-4

Assessment: The Tully Stream was in an unsatisfactory ecological condition again in 2009. Poor ecological conditions persist at the majority of stations surveyed. The complete lack of pollution sensitive macroinvertebrate species, enhanced weed and algal growths, excessive siltation and low dissolved oxygen readings downstream of Kildare (0200 and 0300) indicate significant ecological disruption. An increase in macroinvertebrate diversity at Kilberrin Bridge (0300) indicated a welcome improvement from bad to poor ecological conditions however further remediation is required in order for this station to reach good ecological status. Poor conditions continue downstream at Soomeragh Bridge (0390) and downstream of Nurney (0500). Although pollution sensitive macroinvertebrate species were present at Cloney Bridge (0600), the continued dominance of pollution tolerant species, abundant weed growth and heavy siltation was indicative of unsatisfactory enriched conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Tully House	273434	210936	55	KE
0200	Br at Brallistown Little	273386	210508	55	KE
0300	Kilberrin Br	271724	207883	55	KE
0390	Soomeragh Br	270975	206383	55	KE
0400	Br u/s Nurney	271268	205987	55	KE
0500	Br d/s Cherrymills Br	268191	204332	55	KE
0600	Cloney Br	265497	201233	55	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	86	0	0	100	10	0	0	0	90	0	0
0300	75	43	2	98	59	4	5	12	11	0	9
0390	74	44	2	98	58	4	5	11	13	0	9
0400	73	45	2	98	58	4	5	11	13	0	9
0500	62	65	1	99	55	4	6	8	22	0	6
0600	59	195	16	84	54	2	6	5	28	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.

SERBD: HYDROMETRIC AREA NO. 14

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 2007-2009.

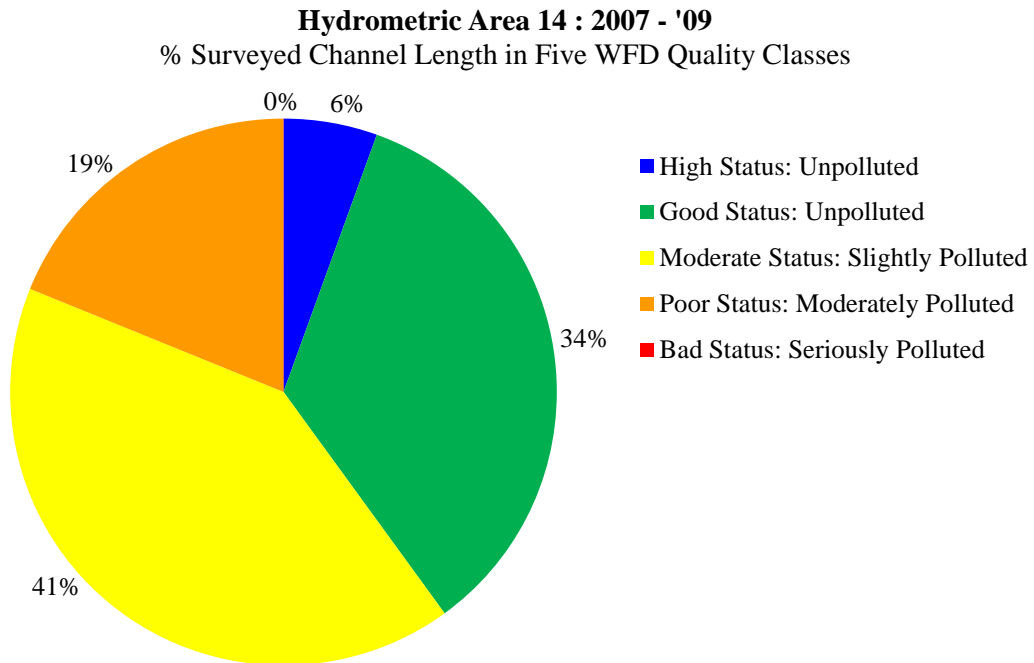
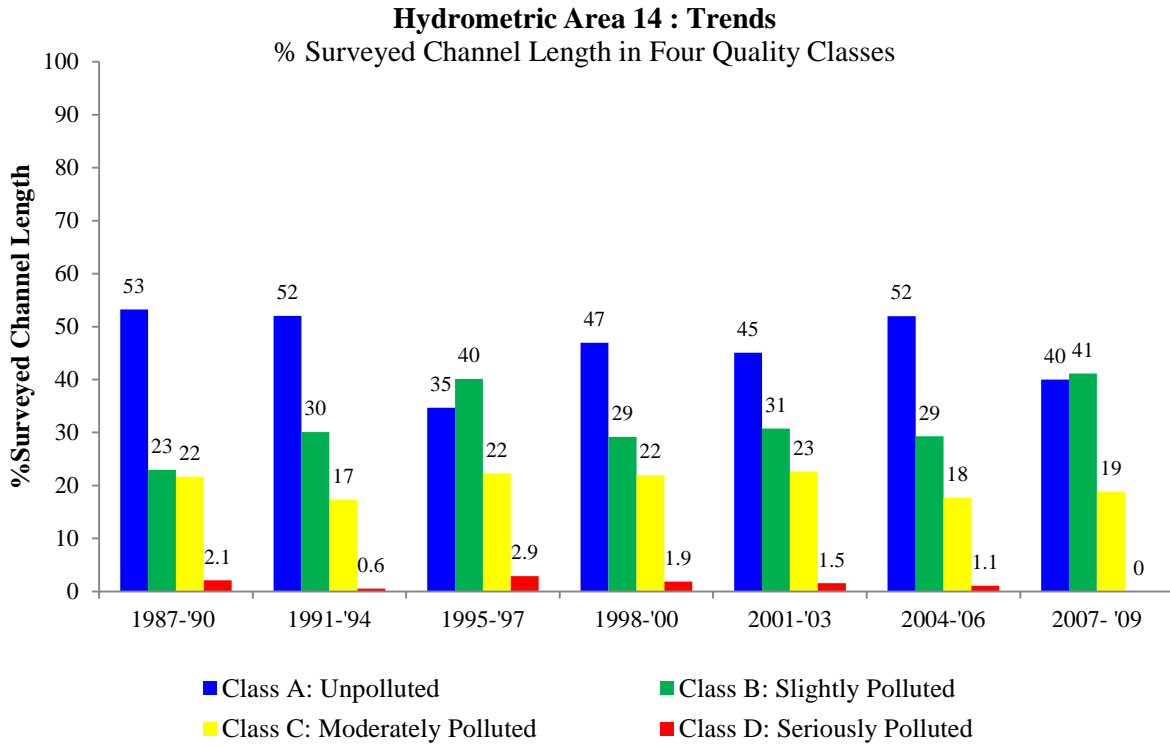
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aghalona	2009	14A02	0.0	0.0	10.0	0.0	0.0	10.0
Athy Stream	2009	14A06	0.0	0.0	10.5	0.0	0.0	10.5
Aughavaud	2009	14A04	0.0	5.0	0.0	0.0	0.0	5.0
Aughnabriskey	2009	14A05	0.0	7.0	0.0	0.0	0.0	7.0
Aughnacrew	2009	14A07	0.0	4.5	0.0	0.0	0.0	4.5
Barrow	2009	14B01	6.0	90.5	41.2	2.4	0.0	140.0
Black Borris	2009	14B06	0.0	12.0	0.0	0.0	0.0	12.0
Blackwater (Laois)	2009	14B03	0.0	2.7	5.9	0.0	0.0	8.5
Bothoge	2009	14B04	0.0	6.5	0.0	0.0	0.0	6.5
Burren	2009	14B05	0.0	4.7	26.8	2.5	0.0	34.0
Cloncumber Stream	2009	14C17	0.0	0.0	8.5	0.0	0.0	8.5
Crooked (Stradbally)	2009	14C02	0.0	10.0	0.0	0.5	0.0	10.5
Cushina	2009	14C04	0.0	0.0	11.9	6.2	0.0	18.0
Daingean	2009	14D06	0.0	0.0	9.4	13.2	0.0	22.5
Douglas (Laois)	2009	14D03	9.0	3.0	4.0	0.0	0.0	16.0
Duiske	2009	14D04	0.0	5.0	0.0	0.0	0.0	5.0
Dunrally Stream	2009	14D05	0.0	0.7	10.3	0.0	0.0	11.0
Esker Stream	2009	14E01	0.0	0.0	6.0	0.0	0.0	6.0
Figile	2009	14F01	0.0	3.0	31.5	5.5	0.0	40.0
Fushoge	2009	14F03	8.5	2.5	0.0	0.0	0.0	11.0
Glenlahan	2009	14G02	5.0	0.0	0.0	0.0	0.0	5.0
Gowran	2009	14G03	5.5	1.5	11.0	0.5	0.0	18.5
Graney (Lerr)	2009	14G07	0.0	0.0	0.0	8.0	0.0	8.0
Grangecon Stream	2009	14G06	0.0	4.3	1.2	0.0	0.0	5.5
Greese	2009	14G04	0.0	0.0	13.5	17.5	0.0	31.0
Guillie ¹	2009	14G11	0.0	8.5	0.0	0.0	0.0	8.5
Lerr	2009	14L01	0.0	0.0	11.9	2.1	0.0	14.0
Monefelim	2009	14M03	0.0	11.9	0.1	0.0	0.0	12.0
Mountain (Carlow)	2009	14M01	0.0	12.0	0.0	0.0	0.0	12.0
Old Leighlin Stream	2009	14O02	0.0	0.0	3.5	0.0	0.0	3.5
Owenass	2009	14O01	0.0	8.0	8.0	0.0	0.0	16.0
Palatine Stream	2009	14P04	0.0	0.0	0.0	3.0	0.0	3.0
Pollmounty	2009	14P03	0.0	5.0	1.0	0.0	0.0	6.0
Powerstown	2009	14P02	0.0	5.0	0.0	0.0	0.0	5.0
Slate	2009	14S01	0.0	0.0	5.6	19.5	0.0	25.0
Stradbally	2009	14S02	0.0	5.5	12.5	0.0	0.0	18.0
Triogue	2009	14T01	0.0	0.0	3.3	17.7	0.0	21.0
Tully Stream	2009	14T02	0.0	0.0	5.3	14.3	0.0	19.5
Total Length (km) surveyed this cycle	2009		34.0	218.8	252.6	112.7	0.0	618.0
Adjustments (km) (See below)*			0.0	7.5	0.0	-3.0	0.0	4.5
<i>Percentages</i>			5.5	34.4	41.2	18.9	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Adjusted Status (km)	2007 -'09			245.3	252.6	115.7	0.0	613.5
<i>Percentages</i>				40.0	41.2	18.9	0.0	100.0
Baseline: Previous Unadjusted Status (km)**	2004 -'06			319.5	178.5	109.0	6.5	613.5
<i>Percentages</i>				52.1	29.1	17.8	1.1	100.0
Changes since Previous Survey (km)				-74.3	74.1	6.7	-6.5	0.0

Ballynaboley (14B08) & Enaghan streams (14E02) not surveyed in the 2007 - '09 period.

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

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



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

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

* 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: 22/7/2009

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

Assessment: Satisfactory, including downstream of Kanturk, with Good and High ecological quality recorded.

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: 28/10/2009

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

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)**

18/A/05

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: R 693 001

Date(s) Surveyed: 24/6/2009, 25/6/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1981	1985	1990	1994	1997	2000	2003	2006	2009
0550	4-5	-	-	-	-	4	3	3-4	3-4	4	4	4
0600	4-5	4	2-3	3-4	3	3-4	-	-	-	-	-	-
0700	-	-	-	-	-	3	3	3	3	3	3	3-4
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
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
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

Assessment: Satisfactory, with Good ecological quality, apart from at Buttevant where although improved was less than satisfactory due apparently to storm-overflow of sewage discharges. The Awbeg was, up until 2009, the only known river in county Cork containing the protected crayfish but none were recorded there in the 2009 survey (see Ballyclogh Stream and Blackwater).

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: 16/6/2009

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
0120	-	-	4	3	3-4	3-4	4	3-4	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
0280	-	-	4	-	-	-	-	-	-

Assessment: Improved with Good ecological quality recorded 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: 16/6/2009

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
0300	3	3-4	3	3-4	3-4	3	4	3	3	4
0400	3	3-4	3	3	3	3	3-4	4	-	3-4
0500	3	3-4	3-4	3-4	-	-	-	-	-	-

Assessment: Good and Moderate ecological quality recorded representing improvement at the first location, since 2006, but deterioration, since 2003, at the other.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br E of Snfort	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: 29/7/2009

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

Assessment: 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: 28/10/2009

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

Assessment: Continuing satisfactory with Good ecological quality. Was slightly polluted in 2003.

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: 30/7/2009

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

Assessment: No change with Poor and Moderate ecological quality. The protected crayfish was recorded for the first time in 2009 in this stream at the lowermost location.

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.

Hydrometric Area 18 (2009)

River and Code : **BEHANAGH**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: R 856 158
 Date(s) Surveyed: 4/6/2009

18/B/01
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0300	5	5	5	4-5	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: 14/9/2009, 15/9/2009, 16/9/2009, 17/9/2009

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
0050	5	-	5	-	-	-	-	-	-	4	4	4-5	4	3-4	-	3-4	-	-	4
0060	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	4	-	-	-
0075	5	-	4-5	-	-	-	-	-	-	4	4	4	4	3-4	-	3-4	-	-	4
0100	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	-	-	-	-
0200	5	-	5	5	-	5	-	-	4	4	4	4	4-5	4	-	4	-	-	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
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
0700	5	-	4-5	-	4	4	-	-	4	4	-	-	-	-	-	-	-	-	-
0750	-	-	-	-	-	-	-	-	-	-	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	-	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
1000	5	-	5	-	5	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
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
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
1510	4	3	4	3-4	-	3-4	3	3	3-4	3	4	3-4	3-4	3-4	-	3-4	-	-	3-4
1700	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-	-	-	-	-
1800	3	3	2-3	3	-	3	3	3	3	3	4-5	3-4	3-4	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
2000	4	-	4	-	-	4	4	-	3-4	3-4	4-5	3-4	4	4	-	4	-	-	4
2100	4	-	4	-	-	4	3-4	-	3-4	4	-	-	-	-	-	-	-	-	-
2200	-	-	-	-	-	-	-	-	-	-	4	3	3	2	-	3	-	-	3
2210	-	-	-	-	-	-	-	-	-	-	4	3-4	3-4	4	-	4	-	-	4
2300	4	-	4	-	-	-	3-4	-	-	-	-	-	-	-	-	-	-	-	-
2400	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-
2450	5	-	5	-	-	4	4	-	4	-	4-5	4	3-4	4	-	3-4	-	-	4
2500	5	-	5	-	-	3-4	4	-	4	4	4	3-4	4	4	-	4	-	-	4
2600	-	-	-	-	-	4	-	-	4	3-4	4	4	4	4	-	4	-	-	4
2700	5	-	5	-	-	3-4	4	-	3-4	3-4	4	4	4	4	-	4	-	-	4

Assessment: Mostly satisfactory with Good and High ecological quality. Only Moderate quality at Mallow (1500) and continuing Poor at left-hand side of river in Fermoy (2200). The crayfish was recorded in the Blackwater for the first time in September 2009.

Hydrometric Area 18 (2009)

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 (2009)

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: 24/6/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	-	5	4-5	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: 1/9/2009, 2/9/2009, 8/9/2009, 31/8/2009

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

Assessment: Improved with Good ecological quality throughout.

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: 21/7/2009

18/B/06
 OS Catchment No: 190

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

Assessment: Seriously polluted (Bad ecological quality) by farm waste at first location as it was in 2003. Satisfactory, with Good ecological quality, at other two locations.

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: 3/6/2009

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

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: 31/8/2009

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

Hydrometric Area 18 (2009)

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: 28/10/2009

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

Assessment: Improved, since previous survey, with Good ecological quality recorded.

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: 29/7/2009

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

Assessment: Reversion to only Moderate ecological quality.

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: 2/9/2009

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

Assessment: Again 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: 29/7/2009, 30/7/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1971	1981	1986	1990	1994	1997	2000	2003	2006	2009
0050	-	-	-	4	4-5	4	4	3-4	3-4	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
0210	-	-	-	-	3	3	3	3	3-4	-
0300	-	5	5	4-5	4-5	4-5	4	4	4	4-5
0400	-	5	5	4-5	-	-	-	-	-	-
0500	-	5	5	5	4	4-5	3-4	4	4	4
0600	1	5	4	4-5	4-5	4-5	3	3-4	-	-

Assessment: Improved. Satisfactory throughout 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: 28/10/2009

18/D/03
 OS Catchment No: 190

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

Assessment: Satisfactory with High and Good ecological quality. Improvement, since previous survey, downstream of Kilworth at Douglas Bridge.

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)**

18/D/02

Tributary of : 18B05 BRIDE (WATERFORD)

OS Catchment No: 190

OS Grid Ref of Confluence: W 883 917

Date(s) Surveyed: 8/9/2009

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

Assessment: Only Moderate 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.

Hydrometric Area 18 (2009)

River and Code : **FARAHY**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: R 720 084
 Date(s) Surveyed: 10/6/2009

18/F/01
 OS Catchment No: 190

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

Assessment: Satisfactory throughout following improvement at two of the three locations.

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.

Hydrometric Area 18 (2009)

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: 18/8/2009

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

Assessment: Satisfactory but 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: 18/8/2009

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

Assessment: Continuing satisfactory with Good ecological quality at the three locations.

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: 15/7/2009

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

Assessment: Satisfactory, with Good ecological quality, at both locations but with evidence of recent farmyard pollution in stream entering immediately downstream of Kilmeedy Bridge on right-hand side.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	3rd Br u/s Kilmeedy Br	0	0	0	CK
0060	Kilmeedy 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: 1/9/2009

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

Assessment: Satisfactory throughout 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: 9/6/2009, 10/6/2009, 11/6/2009

Station Nos.	Biological Quality Ratings (Q Values)															
	1971	1974	1975	1978	1979	1980	1982	1985	1986	1990	1994	1997	2000	2003	2006	2009
0020	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
0030	-	-	-	-	-	-	-	-	-	-	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
0150	-	-	-	-	-	-	-	-	-	4-5	-	-	-	-	-	-
0200	1	1	1-2	3	-	3	3	2-3	3	3	3	2-3	3	3	3-4	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
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
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
0760	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
0780	-	-	-	-	-	-	-	-	-	-	3-4	-	-	-	-	-
0800	-	-	-	-	3-4	-	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
1000	-	-	-	-	4-5	-	4	4	-	4	4-5	4	4	4	4	4-5
1100	4-5	-	4	-	4-5	-	-	4	-	4	4	4	4	4	-	4

Assessment: Improved since previous survey. Satisfactory throughout with High and Good ecological quality.

Hydrometric Area 18 (2009)

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**
 Tributary of : 18B05 BRIDE (WATERFORD)
 OS Grid Ref of Confluence: W 720 887
 Date(s) Surveyed: 31/8/2009

18/G/02

OS Catchment No: 190

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

Assessment: Continuing satisfactory with Good ecological quality.

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: 22/7/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	-	4	4	3-4	4	-	-
0300	4-5	-	-	-	-	-	-
0500	4	3	3-4	3-4	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: 16/7/2009

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

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** **18/G/05**
 Tributary of : 18B05 BRIDE (WATERFORD) OS Catchment No: 190
 OS Grid Ref of Confluence: W 995 943
 Date(s) Surveyed: 8/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	4	4	4	4	4	4	4
0300	4	-	-	-	-	-	-
0400	3	4	-	-	-	-	-
0600	4	4	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: 29/10/2009

18/G/06
 OS Catchment No: 190

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

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: 11/6/2009

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

Assessment: Only Moderate ecological quality. Had been recently 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: 3/9/2009

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

Assessment: Continuing satisfactory with Good ecological quality again recorded.

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: 23/7/2009

18/G/08
 OS Catchment No: 190

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

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**

18/G/10

Tributary of : 18B02 BLACKWATER (MUNSTER)

OS Catchment No: 190

OS Grid Ref of Confluence: X 097 992

Date(s) Surveyed: 10/11/2009, 30/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	2000	2003	2006	2009
0040	-	4-5	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

Assessment: 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: 30/10/2009

18/G/11
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	4	4-5	-	-	-	-	-
0300	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: 17/8/2009, 18/8/2009

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

Assessment: No change with Moderate and Good ecological quality recorded.

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: 9/6/2009

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
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

Assessment: As in 2003 and 2006 again slightly polluted upstream of Funshion River confluence which albeit unsatisfactory is better than the seriously and moderately polluted conditions prevailing for some 30 years 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: 2/9/2009

18/K/02

OS Catchment No: 190

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

Assessment: Satisfactory with Good ecological quality.

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: 17/8/2009

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

Assessment: Satisfactory with Good ecological quality 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	0	0	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: 3/6/2009

18/L/02
 OS Catchment No: 190

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

Assessment: Deterioration from High quality in 2006 to Good (0300) and Poor (1100). At the latter, Athkinson's Bridge, slime growths were present downstream of bridge on right-hand-side as a result of sewage seepage. The bank of the river upstream of bridge had recently been cleared leading to hydromorphological damage.

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: 30/10/2009

18/M/01
 OS Catchment No: 190

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

Assessment: Reversion to satisfactory conditions with Good ecological quality recorded.

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.

Hydrometric Area 18 (2009)

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: 16/7/2009

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

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: 25/6/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	4-5	4-5	4	4	4	4-5	4-5
0300	4-5	-	-	-	-	-	-
0400	4-5	4-5	4	3	4	4	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: 2/9/2009

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

Assessment: Poor and Good ecological quality respectively at upstream and downstream locations.

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: 2/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	-	4	4-5	4	4	4	-
0300	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 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: 29/7/2009, 30/7/2009

18/O/04
 OS Catchment No: 190

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

Assessment: Continuing satisfactory with Good and High 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: 14/7/2009

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

Assessment: Satisfactory with High and Good 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: 23/7/2009

18/O/06
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0400	4-5	-	-	-	-	-	-
0500	4	4-5	4	4	4	4	4
0600	4-5	4-5	4-5	4-5	4-5	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: 15/7/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	4	4-5	4	4	4	4-5	4
0500	2-3	4-5	4	4	4	4-5	-
0600	4	-	-	-	-	-	-
0700	4	4-5	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	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: 29/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	2000	2003	2006	2009
0050	-	4-5	-	-	-	-	-	-
0060	-	-	5	5	4-5	4-5	4-5	4-5
0100	5	-	-	-	-	-	-	-
0140	-	4-5	5	4-5	4-5	5	5	4-5
0200	5	4-5	4	4	3-4	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	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: 28/7/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0400	4	3-4	4	4	3-4	4	4
0600	4	3-4	4	4	4	-	-
0800	4	-	-	-	-	-	-
0900	4	3-4	4	4	4	4	4
1000	4	4-5	4-5	4	4	-	-
1100	4	4	4	4	4	4-5	4-5
1200	4-5	4-5	4-5	4-5	4-5	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
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: 15/7/2009

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

Assessment: Continuing satisfactory with Good ecological quality at both locations.

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: 16/9/2009

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

Assessment: Improved at the only location surveyed where Good ecological quality was recorded.

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.

Hydrometric Area 18 (2009)

River and Code : **SHEEP**
 Tributary of : 18F05 FUNSHION
 OS Grid Ref of Confluence: W 737 116
 Date(s) Surveyed: 4/6/2009

18/S/03
 OS Catchment No: 190

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0150	4	-	-	-	-	-	-
0200	3	4	4	4	4	4	4
0300	4	-	-	-	-	-	-
0400	4	4	4	4	4	4	4-5
0600	4	4	4	4	4	4	4-5

Assessment: Continuing satisfactory with no significant change.

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: 3/9/2009

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

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	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: 1/9/2009

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

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	2000	2003	2006	2009
1200	3	3	3	3	n/s	3

Assessment: Unsatisfactory with Poor ecological quality. The only location was not accessible in 2006 due to road construction works and very steep banks. Formerly called South Branch of Flesk (Bride).

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 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Allow	2009	18A02	24.3	9.8	0.0	0.0	0.0	34.0
Araglin (Blackwater)	2009	18A03	13.0	9.0	0.0	0.0	0.0	22.0
Awbeg (Buttevant) East	2009	18A08	0.0	13.0	0.0	0.0	0.0	13.0
Awbeg (Buttevant) West	2009	18A09	0.0	8.3	3.2	0.0	0.0	11.5
Awbeg (Buttevant) Main Channel	2009	18A05	0.0	29.5	4.6	3.4	0.0	37.5
Awnaskirtaun	2009	18A07	0.0	7.0	0.0	0.0	0.0	7.0
Ballard Stream	2009	18B10	0.0	1.0	0.0	0.0	0.0	1.0
Ballyclogh Stream	2009	18B08	0.0	0.0	2.5	3.5	0.0	6.0
Behanagh	2009	18B01	5.0	0.5	0.0	0.0	0.0	5.5
Blackwater (Munster)	2009	18B02	65.2	73.0	2.8	0.0	0.0	141.0
Bregoge	2009	18B04	0.0	8.0	0.0	0.0	0.0	8.0
Bride (Blackwater)	2009	18B05	0.0	55.0	0.0	0.0	0.0	55.0
Brogeen	2009	18B06	0.0	8.2	2.1	4.2	1.5	16.0
Clyda	2009	18C02	21.5	1.0	0.0	0.0	0.0	22.5
Coom	2009	18C03	0.0	4.0	0.0	0.0	0.0	4.0
Crinnaghtane	2009	18C07	0.0	1.0	0.0	0.0	0.0	1.0
Cullavaw Stream	2009	18C04	0.0	0.1	4.4	0.0	0.0	4.5
Curraheen (Cork)	2009	18C06	0.0	4.0	0.0	0.0	0.0	4.0
Dalua	2009	18D01	8.5	14.5	0.0	0.0	0.0	23.0
Douglas (Araglin)	2009	18D03	5.0	0.5	0.0	0.0	0.0	5.5
Douglas (Bride)	2009	18D02	0.0	0.0	11.0	0.0	0.0	11.0
Farahy	2009	18F01	4.0	6.0	0.0	0.0	0.0	10.0
Farnane	2009	18F06	0.0	3.0	0.0	0.0	0.0	3.0
Finisk	2009	18F02	0.0	26.0	0.0	0.0	0.0	26.0
Finnow (Blackwater)	2009	18F03	0.0	12.0	0.0	0.0	0.0	12.0
Flesk (Bride)	2009	18F04	0.0	10.0	0.0	0.0	0.0	10.0
Funshion	2009	18F05	44.8	8.3	0.0	0.0	0.0	53.0
Glashanabrack	2009	18G02	0.0	2.0	0.0	0.0	0.0	2.0
Glashawee (Allow)	2009	18G03	0.0	5.0	0.0	0.0	0.0	5.0
Glen (Banteer)	2009	18G04	17.0	0.0	0.0	0.0	0.0	17.0
Glenaboy	2009	18G05	0.0	7.0	0.5	0.0	0.0	7.5
Glenakeefe	2009	18G06	5.5	0.0	0.0	0.0	0.0	5.5
Glencorra Stream	2009	18G15	0.0	0.0	1.5	0.0	0.0	1.5
Glendine (Blackwater)	2009	18G07	0.0	4.5	0.0	0.0	0.0	4.5
Glenlara	2009	18G08	0.0	6.5	2.5	0.0	0.0	9.0
Glennafallia	2009	18G10	8.5	0.5	0.0	0.0	0.0	9.0
Glenshelane	2009	16G11	5.0	0.0	0.0	0.0	0.0	5.0
Goish	2009	18G12	0.0	6.5	5.5	0.0	0.0	12.0
Gradoge	2009	18G13	0.0	0.0	9.5	0.0	0.0	9.5
Knoppoge	2009	18K02	0.0	4.0	0.0	0.0	0.0	4.0
Licky	2009	18L01	0.0	13.1	2.0	0.0	0.0	15.0
Lyre	2009	18L02	0.0	8.5	0.0	0.5	0.0	9.0
Monavugga	2009	18M01	0.0	3.0	0.0	0.0	0.0	3.0
Nad	2009	18N01	6.0	0.0	0.0	0.0	0.0	6.0
Ogeen	2009	18O01	11.0	0.0	0.0	0.0	0.0	11.0
Owbeg (Waterford)	2009	18O02	0.0	3.0	1.6	3.5	0.0	8.0
Owenageeragh	2009	18O03	0.0	4.0	0.0	0.0	0.0	4.0
Owenanare	2009	18O04	0.5	9.5	0.0	0.0	0.0	10.0
Owenbaun (Rathcool)	2009	18O05	3.5	6.5	0.0	0.0	0.0	10.0
Owenkeale	2009	18O06	0.0	12.0	0.0	0.0	0.0	12.0
Owennagloo	2009	18O07	0.0	7.0	0.0	0.0	0.0	7.0
Owennashad	2009	18O08	10.5	0.5	0.0	0.0	0.0	11.0

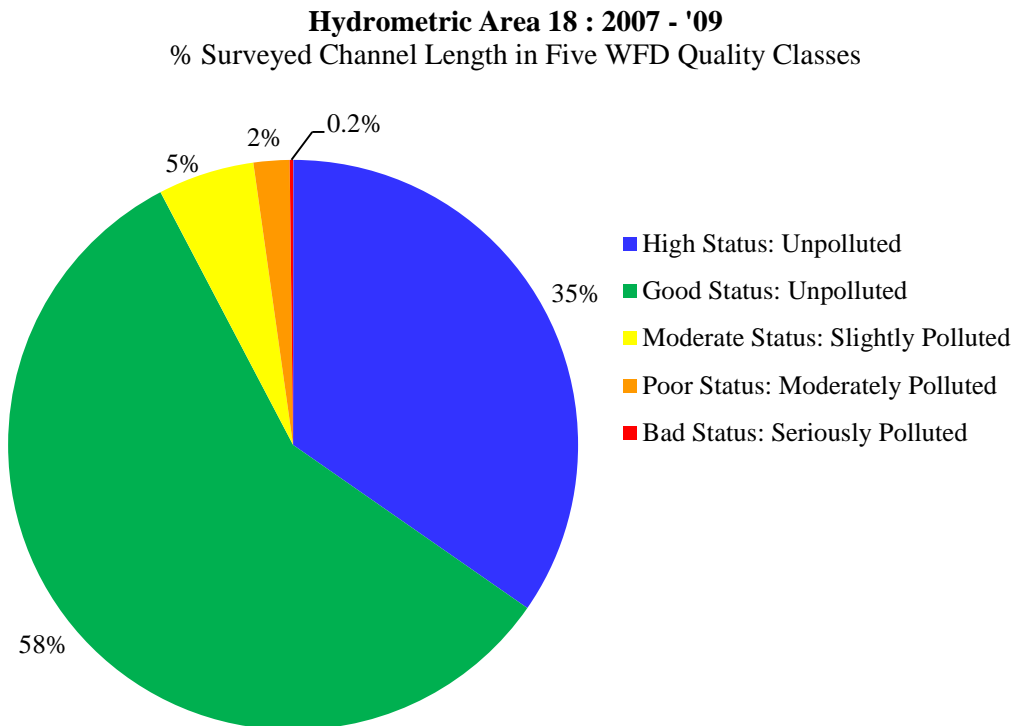
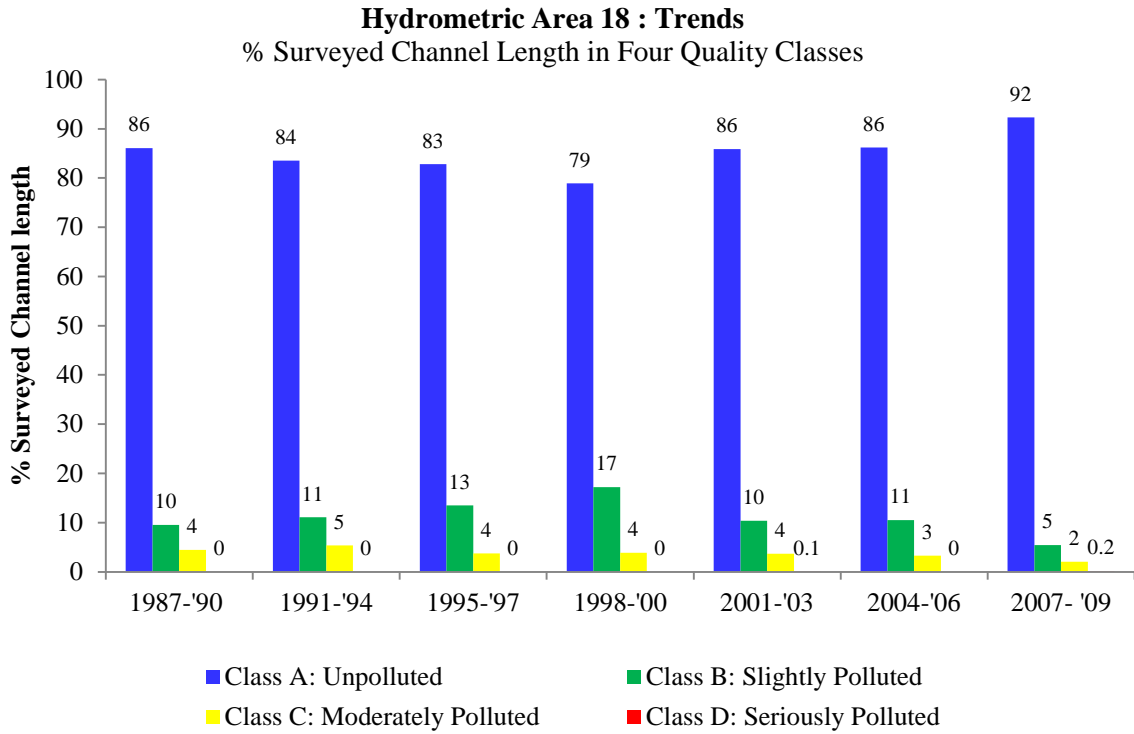
Hydrometric Area 18 (2009)

Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Owentaraglin	2009	18O09	13.3	17.8	0.0	0.0	0.0	31.0	
Rathcool	2009	18R01	0.0	12.0	0.0	0.0	0.0	12.0	
Ross (Killavullen)	2009	18R02	0.0	6.0	0.0	0.0	0.0	6.0	
Sheep	2009	18S03	8.0	4.0	0.0	0.0	0.0	12.0	
Tourig	2009	18T03	0.0	10.0	0.0	0.0	0.0	10.0	
Watergrasshill	2009	18W01	0.0	0.0	0.0	1.5	0.0	1.5	
Total Length (km) surveyed this cycle			2009	280.0	465.4	53.6	16.5	1.5	817.0
Adjustments (km) (See below)*				0.0	0.0	9.5	0.0	0.0	9.5
<i>Percentages</i>				34.7	57.6	5.5	2.0	0.2	100.0
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2007 - '09	745.4	44.1	16.5	1.5	807.5	
<i>Percentages</i>				92.3	5.5	2.0	0.2	100.0	
Baseline: Previous Unadjusted Status (km)**			2004 - '06	696.0	85.0	26.5	0.0	807.5	
<i>Percentages</i>				86.2	10.5	3.3	0.0	100.0	
Changes since Previous Survey (km)				49.4	-40.9	-10.0	1.5	0.0	

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

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



HYDROMETRIC AREA 20 (Bandon –Ilen)	
ARGIDEEN	20A02
BALLINSPIITTE	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: 23/9/2009

20/A/02
 OS Catchment No: 232

Station Nos.	1971	1976	1981	1985	1989	1994	Biological Quality Ratings (Q Values)				
							1997	2000	2003	2006	2009
0010	-	-	-	-	4	-	-	-	-	-	-
0015	-	-	-	-	4	-	-	-	-	-	-
0030	-	-	-	-	4	3-4	4	4-5	4-5	4	4
0040	-	-	-	-	3-4	-	-	-	-	-	-
0050	-	-	-	-	4	4	4	4	4	4	-
0060	-	-	-	-	4	4	4-5	3-4	4	4	4
0070	-	-	-	-	4	-	-	-	-	-	-
0100	5	5	5	4	3-4	4	4	3-4	4	4	4*
0150	-	-	-	-	3-4	-	-	-	-	-	-
0200	5	5	5	3-4	4	4	4	4	4	3-4	4

Assessment: Improved with Good ecological quality at all locations assessed. Some siltation again recorded at Lissalene (0100).

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: 29/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	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	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: 30/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	4	4	4	4	4	4	-
0500	4	-	-	-	-	-	-
0700	-	4	4-5	4-5	4	4	4-5
0800	4	-	-	-	-	-	-
1000	4	4	4-5	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**

20/B/02

Tributary of : Sea - Kinsale Harbour

OS Catchment No: 229

OS Grid Ref of Confluence: W 653 474

Date(s) Surveyed: 9/9/2009, 10/9/2009, 11/9/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1976	1978	1982	1986	1989	1994	1997	2000	2003	2006	2009
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
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
0400	5	4-5	4	4	4	3-4	4	3-4	3-4	3-4	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
0600	5	5	5	3-4	3-4	4	4-5	4	4	4	-	3-4
0700	5	4-5	4	3-4	4	3-4	4-5	4	4	4	4	4
0780	-	-	-	-	-	3-4	-	-	-	-	-	-
0800	5	3	2-3	3	4	3	3-4	3	3	3	4	4
0850	-	-	-	-	-	3-4	-	-	-	-	-	-
0900	5	4-5	4	4	4	3-4	4	4	4	4	4	4

Assessment: Mostly satisfactory, with Good ecological quality, but only Moderate downstream of Dunmanway, Ballineen and Enniskeen.

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	Enniskeen 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 (2009)

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: 28/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4	-	-	-	-	-	-
0200	3	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: 10/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4	3	4	3-4	4	3-4	4
0300	4	4	4	4	4	4	-
0500	4	-	-	-	-	-	-
0700	4	4	3-4	3-4	4	4	4
0800	2/0	4	4	4	4	3	4

Assessment: Improved with all three locations sampled Good ecological quality.

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: 10/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0050	4	-	-	-	-	-	-
0100	3-4	-	-	-	-	-	-
0300	4	4	4	4	4-5	4-5	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

Assessment: Satisfactory with Good and High ecological quality.

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.

Hydrometric Area 20 (2009)

River and Code : **BRINNY**
 Tributary of : 20B02 BANDON
 OS Grid Ref of Confluence: W 532 573
 Date(s) Surveyed: 1/10/2009, 30/9/2009

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
0010	-	-	-	-	4	-	-	-	-	-	-
0030	-	-	-	-	4	4	4	4	4	4	4
0070	-	-	-	-	4-5	4	3-4	4	3-4	4	4
0090	-	-	-	-	4	-	-	-	-	-	-
0100	-	5	5	4-5	4-5	4-5	4	4	4-5	4-5	4-5
0200	4-5	4	4	4	4-5	4-5	4-5	4	4	-	-

Assessment: 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**
 Tributary of : Argideen Estuary
 OS Grid Ref of Confluence: W 473 455
 Date(s) Surveyed: 24/9/2009

20/B/10
 OS Catchment No: 232

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4	-	-	-	-	-	-
0200	3	3	3-4	3-4	4	4	4

Assessment: 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: 9/9/2009

20/C/01
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	-	4-5	4-5	4-5	4	4-5	4
0400	4	4	4-5	4	4	4	-
0500	4	-	-	-	-	-	-
0700	4	4-5	4	4	4	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
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: 23/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0300	4	4	4	4	4	4	4

Assessment: Satisfactory but river has been modified upstream where an artificial lake has been constructed.

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: 22/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0400	4	-	-	-	-	-	-
0600	3	3-4	3-4	4	4	4	-
0800	4	4-5	4	4	4-5	4	4
0810	2	3	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
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: 29/9/2009

20/C/03
 OS Catchment No: 233

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0300	-	4-5	4-5	4-5	4-5	4-5	-
0400	4-5	4-5	4	4-5	4	4	4

Assessment: Satisfactory with Good ecological quality. However the natural hydromorphology of the site has been affected by clearance and landscaping.

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: 24/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4	4	4	4	4	n/s	-
0300	3-4	4	4	4	4	4	4

Assessment: Continuing satisfactory, with Good ecological quality, in Clonakilty.

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: 9/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	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
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: 9/9/2009

20/D/01
 OS Catchment No: 229

Station Nos.	Biological Quality Ratings (Q Values)									
	1978	1982	1985	1989	1994	1997	2000	2003	2006	2009
0005	-	-	-	4	4	4	4	4	4	-
0010	-	-	-	3-4	-	-	-	-	-	-
0050	-	3-4	3-4	3	4	4	4	3-4*	4	4
0100	3-4	3-4	3-4	3-4	4	4	3-4	4	4	-

Assessment: Satisfactory with Good ecological quality at the only location sampled.

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: 23/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	3	-	-	-	-	-	-
0200	3-4	3	3-4	3-4	4	4	-
0400	4-5	3-4	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
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 : **ILEN**

20/I/01

Tributary of : Sea - Baltimore Bay

OS Catchment No: 233

OS Grid Ref of Confluence: W 073 315

Date(s) Surveyed: 29/9/2009

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1981	1985	1989	1994	1997	2000	2003	2006	2009
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
0140	-	-	-	-	4-5	-	-	-	-	-	-
0160	-	-	-	-	-	4-5	4-5	4-5	4	4	4
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

Assessment: Continuing satisfactory with High and Good ecological quality but with signs of slight enrichment at the two lower locations. At the final location an unsightly discharge was entering river, from waterworks, immediately upstream of bridge.

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: 29/10/2009

20/K/01
 OS Catchment No: w2

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	-	4	4	4	4	4-5	n/s
0300	4	4	4	3-4	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	Kilbrittain 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: 28/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
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

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: 22/9/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	2000	2003	2006	2009
0100	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: 25/9/2009

20/M/01

OS Catchment No: u2

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	3-4	3-4	3-4	3-4	4	4	3
0200	3-4	3-4	3	3	3	3	-

Assessment: Unsatisfactory with Poor ecological quality at Ballyfeard - impacted by seriously polluted stream entering from right-hand side immediately downstream of bridge.

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: 24/9/2009

20/O/01
 OS Catchment No: 232

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	3-4	3-4	3-4	3-4	4	3-4	4
0400	3	-	-	-	-	-	-
0500	4	-	-	-	-	-	-
0600	4	4	3-4	3-4	4	4	4

Assessment: Improved - Good ecological quality 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: 29/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	-	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

Assessment: Continuing satisfactory with High ecological quality at both locations.

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: 24/9/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1994	1997	2000	2003	2006	2007	2009
0080	-	4	3-4	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

Assessment: Improved with 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: 28/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	4	3	3-4	3-4	4	4	-
0400	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	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: 22/9/2009

20/R/02
 OS Catchment No: 234

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	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
0900	3-4	-	-	-	-	-	-
1000	3-4	4	4	4	4	3-4	4

Assessment: Satisfactory, with Good ecological quality, at all three locations.

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: 29/9/2009, 30/9/2009

20/S/01
 OS Catchment No: 233

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	-	4-5	4	4	4	4	4
0300	4	-	-	-	-	-	-
0400	4	4	4	4	4	4	4
0600	3-4	4	-	-	-	-	-
0900	4	4-5	4	4	4	4	4

Assessment: Satisfactory with Good ecological quality throughout.

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**

20/S/02

Tributary of : 20B07 BRINNY

OS Catchment No: 229

OS Grid Ref of Confluence: W 513 519

Date(s) Surveyed: 30/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	-	3	4	3-4	4	4	4
0400	4	-	-	-	-	-	-
0500	-	4	4-5	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: 25/9/2009

20/S/03

OS Catchment No: 231

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0240	-	4	3-4	4	4-5	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

Assessment: Satisfactory, with Good ecological quality, at both locations.

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: 24/9/2009

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

Assessment: Unsatisfactory with only Moderate ecological quality.

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

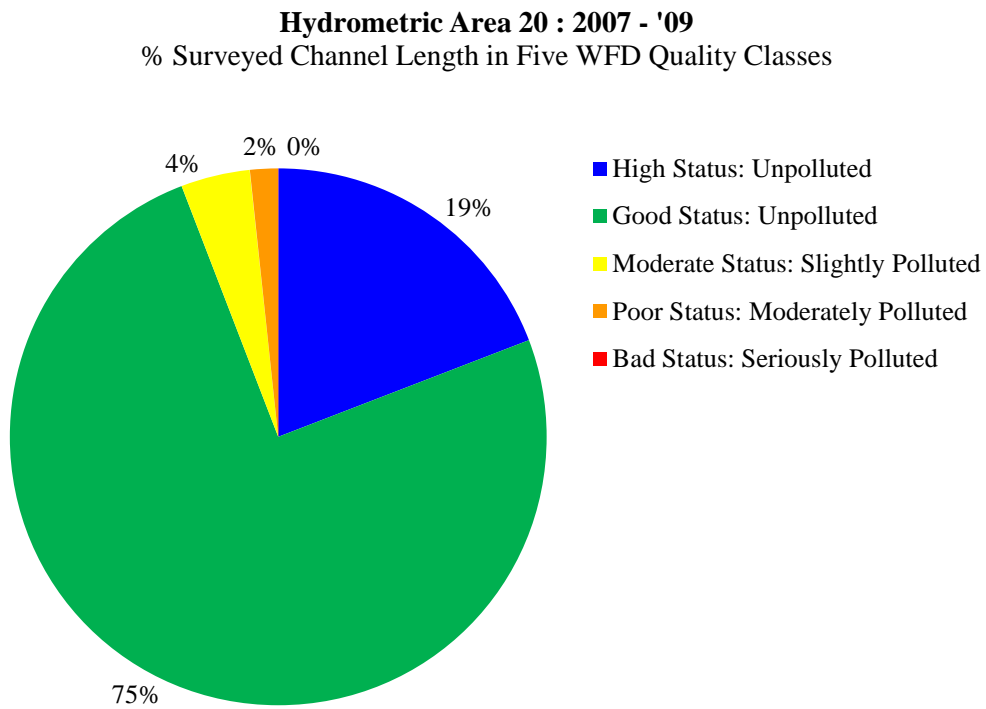
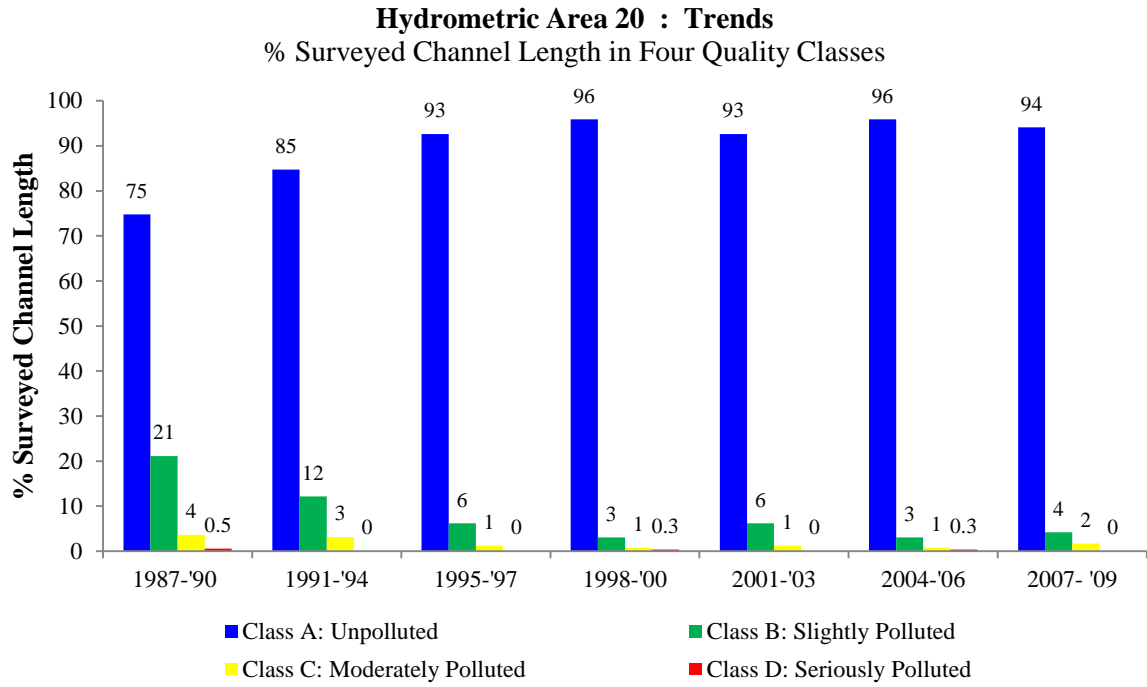
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Argideen	2009	20A02	0.0	23.0	0.0	0.0	0.0	23.0
Ballinspittle	2009	20B09	0.0	4.0	0.0	0.0	0.0	4.0
Ballymahane	2009	20B01	6.5	2.5	0.0	0.0	0.0	9.0
Bandon	2009	20B02	0.0	48.0	9.1	0.0	0.0	57.0
Bawnaknockane	2009	20B03	0.0	6.0	0.0	0.0	0.0	6.0
Bealanascartane	2009	20B08	0.0	8.0	0.0	0.0	0.0	8.0
Blackwater (Bandon)	2009	20B04	4.3	6.6	1.2	0.0	0.0	12.0
Brinny	2009	20B07	4.3	7.8	0.0	0.0	0.0	12.0
Burrane	2009	20B10	0.0	2.0	0.0	0.0	0.0	2.0
Caha	2009	20C01	3.5	10.0	0.0	0.0	0.0	13.5
Carhoo	2009	20C06	0.0	1.5	0.0	0.0	0.0	1.5
Cashel (Cork)	2009	20C02	0.0	3.0	0.0	0.0	0.0	3.0
Clodagh	2009	20C03	0.0	5.5	0.0	0.0	0.0	5.5
Clonakilty Stream	2009	20C05	0.0	3.5	0.0	0.0	0.0	3.5
Cullenagh lake Stream	2009	20C04	0.0	1.0	0.0	0.0	0.0	1.0
Dirty	2009	20D01	0.0	7.5	0.0	0.0	0.0	7.5
Glashagloragh	2009	20G02	2.8	2.3	0.0	0.0	0.0	5.0
Ilen	2009	20I01	10.5	14.0	0.0	0.0	0.0	24.5
Kilbrittain	2009	20K01	3.0	1.0	0.0	0.0	0.0	4.0
Leamawaddra	2009	20L01	8.0	0.0	0.0	0.0	0.0	8.0
Leap Stream	2009	20L04	0.0	3.0	0.0	0.0	0.0	3.0
Minane	2009	20M01	0.0	0.0	0.0	5.0	0.0	5.0
Owenkeagh	2009	20O01	0.0	7.0	0.0	0.0	0.0	7.0
Owennashingaun	2009	20O02	13.5	0.0	0.0	0.0	0.0	13.5
Ownahinchy	2009	20O03	0.0	7.5	0.0	0.0	0.0	7.5
Rathruane	2009	20R01	0.0	6.0	0.0	0.0	0.0	6.0
Roury	2009	20R02	0.0	8.0	0.0	0.0	0.0	8.0
Saivnose	2009	20S01	0.0	13.5	0.0	0.0	0.0	13.5
Sall	2009	20S02	0.0	8.0	0.0	0.0	0.0	8.0
Stick	2009	20S03	0.0	10.5	0.0	0.0	0.0	10.5
Tinneel Stream	2009	20T02	0.0	0.0	2.0	0.0	0.0	2.0
Total Length (km) surveyed this cycle	2009		56.3	220.6	12.2	5.0	0.0	294.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			19.1	75.0	4.1	1.7	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current Adjusted Status (km)	2007 - '09		276.8	12.2	5.0	0.0	294.0	
<i>Percentages</i>			94.1	4.1	1.7	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		281.0	9.0	3.0	1.0	294.0	
<i>Percentages</i>			95.9	3.1	0.7	0.3	100.0	
Changes since Previous Survey (km)			-4.2	3.2	2.0	-1.0	0.0	

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

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



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

Hydrometric Area 21 (2009)

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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
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	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: 8/10/2009

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

Assessment: Return to 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: 9/10/2009

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

Assessment: Continuing satisfactory with High ecological status again recorded.

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.

Hydrometric Area 21 (2009)

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: 12/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1997	2000	2003	2006	2009
0300	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
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.

Hydrometric Area 21 (2009)

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: 21/10/2009

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

Assessment: 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: 15/10/2009

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

Assessment: Satisfactory at uppermost location, i.e. upstream of Inchiquin Lough, where forestry clearance had taken place. 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: 14/10/2009

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

Assessment: Continuing satisfactory with High ecological status again recorded.

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: 22/10/2009

21/C/03
 OS Catchment No: 225

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1993	1997	2000	2003	2006	2009
0200	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

Assessment: Satisfactory with consistent High ecological status 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: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	4	4	4-5	4-5	4-5	4-5	4
0180	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	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: 7/10/2009

21/C/04
 OS Catchment No: 213

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	4-5	4	4	4	4	4	-
0400	4	3-4	4	4	4	4	4
0600	4-5	4-5	4	4	4-5	4-5	4-5

Assessment: Satisfactory with Good and High ecological quality.

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.

Hydrometric Area 21 (2009)

River and Code : **DERREENDARRAGH**

21/D/03

Tributary of : 21B03 BLACKWATER (KERRY)

OS Catchment No: 215

OS Grid Ref of Confluence: V 791 714

Date(s) Surveyed: 14/10/2009

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

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 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**
 Tributary of : 21C05 CROANSHAGH
 OS Grid Ref of Confluence: V 767 562
 Date(s) Surveyed: 20/10/2009

21/D/01
 OS Catchment No: 222

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	2000	2003	2006	2009
0100	4-5	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
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: 15/10/2009

21/D/04
 OS Catchment No: j3

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

Assessment: Satisfactory with High 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**

21/E/01

Tributary of : Sea - Ballinskelligs Bay

OS Catchment No: O3

OS Grid Ref of Confluence: V 453 682

Date(s) Surveyed: 7/10/2009

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

Assessment: Again satisfactory with Good ecological quality.

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: 12/10/2009, 13/10/2009

21/F/01

OS Catchment No: 216

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	2000	2003	2006	2009
0200	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
0510	4-5	3	3-4	3-4	3-4	3-4	3-4	4

Assessment: Satisfactory with Good ecological quality at both locations. Sand deposition at first location while the stream in Kenmare still poses a threat at the second.

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: 23/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	-	4	4-5	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

Assessment: Satisfactory with Good ecological quality at both locations following improvement at first one.

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: 28/9/2009

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

Assessment: Satisfactory, with Good ecological quality, despite some signs of enrichment.

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: 22/10/2009

21/G/03
 OS Catchment No: 219

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	4-5	5	5	5	5	5	-
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
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: 7/10/2009

21/I/01
 OS Catchment No: 212

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0300	4	4	4	4	4	4	4
0400	4	4	4	4	4	4	-
0500	4	4	3-4	3-4	4	4	4
0900	4	4	4	3-4	4	4	4

Assessment: 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: 8/10/2009

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

Hydrometric Area 21 (2009)

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: 14/10/2009

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

Assessment: Continuing satisfactory but the three most recent surveys have shown a decrease in ecological quality from High to Good.

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: 21/10/2009

21/K/02
 OS Catchment No: 223

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	-	4	4-5	4-5	4-5	-	-
0200	4-5	-	-	-	-	-	-
0300	3-4	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
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: 21/10/2009

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

Assessment: 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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	2000	2003	2006	2009
0100	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: 23/10/2009

21/M/01
 OS Catchment No: 227

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1994	1997	2000	2003	2006	2009
0100	4	4	4	4-5	4-5	4-5	4-5
0200	5	5	5	5	4-5	5	4-5
0300	5	5	4-5	4-5	4-5	-	-
0400	3-4	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: 12/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1997	2000	2003	2006	2009
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

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: 22/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1997	2000	2003	2006	2009
0200	4	4	4	4	4-5	4-5	4-5
0400	4	4	4	4	4	-	-

Assessment: 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.

Hydrometric Area 21 (2009)

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: 20/10/2009

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

Hydrometric Area 21 (2009)

River and Code : **OWNAGAPPUL**
Tributary of : Sea - Ardgroom Harbour
OS Grid Ref of Confluence: V 689 557
Date(s) Surveyed: 21/10/2009

21/O/09

OS Catchment No: h3

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

Assessment: 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: 22/10/2009

21/O/04
 OS Catchment No: 226

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1994	1997	2000	2003	2006	2009
0200	4	4	4	4-5	4-5	-	-
0400	4	4-5	4-5	4-5	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
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: 8/10/2009

21/O/05
 OS Catchment No: 214

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	-	4	5	4-5	4	4	-
0300	4	4-5	4-5	4-5	4	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: 7/10/2009

21/O/06
 OS Catchment No: 212

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	4	4	4-5	4-5	4	4	-
0200	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	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: 22/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1997	2000	2003	2006	2009
0200	5	4	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
0410	4-5	4-5	4-5	3	4	4	4

Assessment: Satisfactory with High and Good 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: 13/10/2009

21/R/01
 OS Catchment No: 217

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1993	1997	2000	2003	2006	2009
0020	-	-	4-5	4	4-5	4-5	4-5	4-5	4-5
0060	-	-	4-5	4	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
0300	5	5	4-5	-	-	-	-	-	-
0350	-	-	4	4	4	4	4	-	-

Assessment: Continuing satisfactory, with High ecological quality, at the three locations sampled.

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.

Hydrometric Area 21 (2009)

River and Code : **SHEEN**
 Tributary of : Kenmare River
 OS Grid Ref of Confluence: V 924 702
 Date(s) Surveyed: 14/10/2009

21/S/01
 OS Catchment No: 218

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1994	1997	2000	2003	2006	2009
0100	4	4-5	4-5	4-5	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
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.

Hydrometric Area 21 (2009)

River and Code : **SLAHENY**
 Tributary of : 21R01 ROUGHTY
 OS Grid Ref of Confluence: W 004 730
 Date(s) Surveyed: 13/10/2009

21/S/02
 OS Catchment No: 217

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1994	1997	2000	2003	2006	2009
0300	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.

Hydrometric Area 21 (2009)

River and Code : **SNEEM**
 Tributary of : Kenmare River
 OS Grid Ref of Confluence: V 690 667
 Date(s) Surveyed: 8/10/2009

21/S/03
 OS Catchment No: 214

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

Assessment: Continuing satisfactory with High ecological status 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.

Hydrometric Area 21 (2009)

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: 8/10/2009

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

Assessment: Satisfactory with High 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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	2000	2003	2006	2009
0300	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

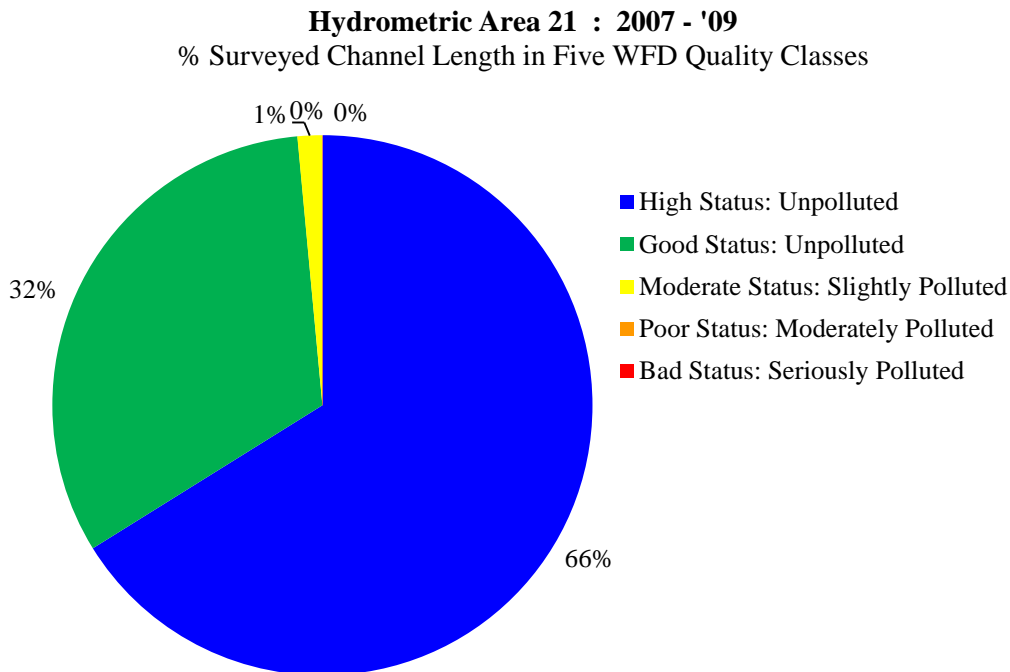
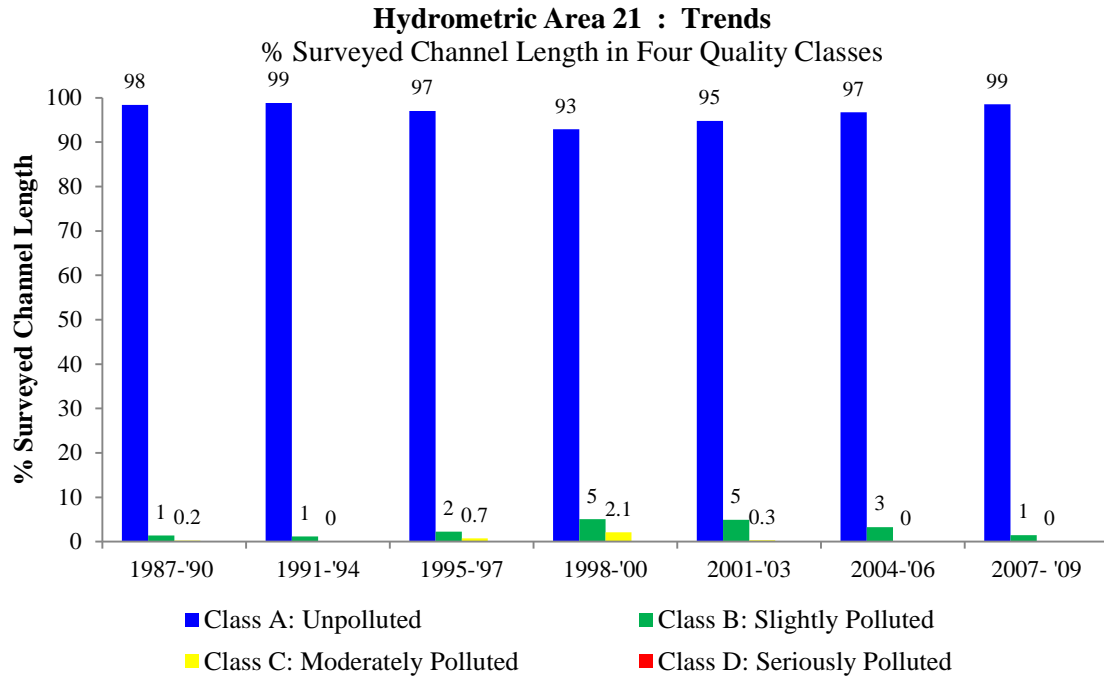
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Adrigole	2009	21A01	6.5	0.0	0.0	0.0	0.0	6.5
Ardsheelhane	2009	21A02	8.5	0.0	0.0	0.0	0.0	8.5
Blackwater (Kerry)	2009	21B03	13.0	0.0	0.0	0.0	0.0	13.0
Ceady	2009	21C02	6.5	0.0	0.0	0.0	0.0	6.5
Cloghane (Allihies)	2009	21C08	4.0	0.0	0.0	0.0	0.0	4.0
Cloonee (Kerry)	2009	21C06	0.0	3.0	5.0	0.0	0.0	8.0
Coomelán Stream	2009	21C14	6.0	0.0	0.0	0.0	0.0	6.0
Coomhola	2009	21C03	15.0	0.0	0.0	0.0	0.0	15.0
Croanshagh	2009	21C05	0.0	9.0	0.0	0.0	0.0	9.0
Cummeragh	2009	21C04	4.0	7.0	0.0	0.0	0.0	11.0
Derreendaragh	2009	21D03	7.0	0.0	0.0	0.0	0.0	7.0
Drimminboy	2009	21D01	0.0	3.5	0.0	0.0	0.0	3.5
Drumoghty	2009	21D04	3.0	0.0	0.0	0.0	0.0	3.0
Emlaghmore	2009	21E01	0.0	4.5	0.0	0.0	0.0	4.5
Finnihey	2009	21F01	0.0	10.5	0.0	0.0	0.0	10.5
Four Mile Water	2009	21F02	0.0	10.5	0.0	0.0	0.0	10.5
Glan Stream	2009	21G13	0.0	6.0	0.0	0.0	0.0	6.0
Glengarriff	2009	21G03	8.5	0.0	0.0	0.0	0.0	8.5
Inny (Kerry)	2009	21I01	0.0	24.0	0.0	0.0	0.0	24.0
Isknagahiny Lough Stream	2009	21I03	4.0	0.0	0.0	0.0	0.0	4.0
Kealduff	2009	21K01	0.0	6.0	0.0	0.0	0.0	6.0
Kealincha	2009	21K02	0.0	7.0	0.0	0.0	0.0	7.0
Lough Fadda Stream	2009	21L03	0.0	2.0	0.0	0.0	0.0	2.0
Magannagan Stream	2009	21M02	5.0	0.0	0.0	0.0	0.0	5.0
Mealagh	2009	21M01	16.5	0.5	0.0	0.0	0.0	17.0
Owbeg (Roughty)	2009	21O02	9.0	0.0	0.0	0.0	0.0	9.0
Owenbeg (Owvane)	2009	21O03	9.0	0.0	0.0	0.0	0.0	9.0
Owengar (Cork)	2009	21O04	7.0	0.0	0.0	0.0	0.0	7.0
Owenshagh	2009	21O08	2.0	0.0	0.0	0.0	0.0	2.0
Ownagappul	2009	21O09	3.5	0.0	0.0	0.0	0.0	3.5
Owreagh	2009	21O05	3.0	4.0	0.0	0.0	0.0	7.0
Owroe	2009	21O06	0.0	5.0	0.0	0.0	0.0	5.0
Owvane (Cork)	2009	21O07	10.5	6.5	0.0	0.0	0.0	17.0
Roughty	2009	21R01	27.0	0.0	0.0	0.0	0.0	27.0
Sheen	2009	21S01	20.0	0.0	0.0	0.0	0.0	20.0
Slaheny	2009	21S02	11.5	0.5	0.0	0.0	0.0	12.0
Sneem	2009	21S03	9.0	0.0	0.0	0.0	0.0	9.0
Tahilla	2009	21T01	1.5	0.0	0.0	0.0	0.0	1.5
Trafrask Stream	2009	21T03	3.0	0.0	0.0	0.0	0.0	3.0
Total Length (km) surveyed this cycle	2009		223.5	109.5	5.0	0.0	0.0	338.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			66.1	32.4	1.5	0.0	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Adjusted Status (km)	2007 - '09			333.0	5.0	0.0	0.0	338.0
<i>Percentages</i>				98.5	1.5	0.0	0.0	100.0
Baseline: Previous Unadjusted Status (km)**	2004 - '06			327.0	11.0	0.0	0.0	338.0
<i>Percentages</i>				96.7	3.3	0.0	0.0	100.0
Changes since Previous Survey (km)				6.0	-6.0	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.



HYDROMETRIC AREA 25 (Shannon Lower: Balance of Survey)

Partial Survey in 2008, Balance of Survey in 2009

ARDCLOONY	25A03
AYLE	25A07
BALLINLOUGH STREAM	25B15
BARNACULLIA STREAM	25B14
BLACKWATER (CLARE)	25B06
BLACKWATER (SHANNONBRIDGE)	25B27
BLEACH	25B07
BOW	25B10
# BROSNA	25B09
CAPPAGH (GALWAY)	25C03
CLOGHAUN	25C07
COOS	25C08
CORRA	25C09
DERRAINY	25D10
DRUMANDOORA	25D06
DRUMKEARY STREAM	25D11
DUNIRY	25D07
EYRECOURT STREAM	25E01
GLENOMRA WOOD STREAM	25G12
GRANEY (SHANNON)	25G04
KILCROW	25K01
LISDUFF (KILCROW)	25L06
LISDUFF STREAM (SHANNON)	25L07
MOUNTRICE	25M03
MULKEAR (LIMERICK)	25M04
SCARRIFF STREAM	25S08
SHINRONE STREAM	25S11
WOODFORD (GALWAY)	25W01

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

River and Code : **ARDCLOONY**
 Tributary of : Parteen Reservoir
 OS Grid Ref of Confluence: R 674 674
 Date(s) Surveyed: 20/10/2009

25/A/03
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1984	1988	1994	1996	1999	2002	2005	2009
0100	-	5	-	5	5	5	5	5
0200	5	5	4-5	-	-	-	-	-

Assessment: Water quality continues to be of the highest standard in this river and, as such, it deserves rigorous protection from agricultural pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballycorney Br	166965	170671	58	CE
0200	Ardcloony 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 : **AYLE**
 Tributary of : 25C07 CLOGHAUN
 OS Grid Ref of Confluence: R 543 827
 Date(s) Surveyed: 16/10/2009

25/A/07

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1993	1996	1999	2003	2006	2009
0300	5	5	4-5	5	-	-	-
0400	5	5	4-5	4-5	4-5	4	4-5

Assessment: A welcome return to high ecological condition in 2009, as indicated by the presence of several highly sensitive macroinvertebrate taxa.

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: 28/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1989	1993	1996	1999	2003	2009
0050	-	5	4-5	4-5	4	4-5	4-5
0100	-	4	4	-	-	-	-
0200	-	-	-	4-5	4	-	-
0300	-	5	-	-	-	4-5	4-5
0400	-	-	4-5	-	-	-	-
0500	4	4-5	4	3	4-5	4-5	4-5

Assessment: The Ballinlough stream, at all sampling stations, continues to be of high ecological condition in 2009.

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 : **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: 13/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1983	1984	1986	1987	1988	1993	1996	2003	2009
0100	1/0	1/0	2/0	3/0	2/0	2-3/0	3/0	3/0	2/0	3/0

Assessment: Evidence of toxicity still remains at this Barnacullia Stream site adjacent to the old Tynagh mine tailing, indicated by poor faunal density and diversity.

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 : **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: 21/10/2009

Station Nos.	1984	1986	1988	1994	1996	Biological Quality Ratings (Q Values)			
						1999	2002	2006	2009
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
0180	-	-	3	3-4	4-5	4	-	-	-
0250	4	4	-	4-5	4-5	4-5	4	4	4-5
0300	-	3	4	-	-	-	-	-	-

Assessment: High ecological condition was achieved at both sites sampled on the Blackwater (Clare) in 2009. There was a slight increase in quality from good to high at the lower station (0250).

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 : **BLACKWATER (SHANNONBRIDGE)** 25/B/27
 Tributary of : 25S01 SHANNON (Lower) OS Catchment No: 155
 OS Grid Ref of Confluence: M 999 222
 Date(s) Surveyed: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1984	1988	1993	1996	1999	2002	2005	2009
0110	-	4-5	4	4	4	3-4	4	3-4
0200	3	3	3-4	3-4	3	3-4*	4	4

Assessment: The lack of sensitive macroinvertebrate species, enhanced weed growth and excessive peat siltation of the river bed substrata indicated an unwelcome decline in ecological conditions in the upper reaches (0110) of the Blackwater (Shannonbridge) in 2009. Although peat siltation was evident downstream at Blackwater Bridge (0200), the macroinvertebrate fauna continued to indicate satisfactory ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0110	Br ENE of Derryharry	206460	228119	47	OF
0200	Blackwater Br	201581	223425	47	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0110	40	31	0	100	62	1	22	0	7	0	8
0200	37	88	0	100	47	0	38	0	5	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 : **BLEACH**
 Tributary of : Lough Graney
 OS Grid Ref of Confluence: R 556 949
 Date(s) Surveyed: 21/10/2009

25/B/07
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1993	1996	1999	2003	2006	2009
0100	-	5	-	4-5	4-5	4-5	-	-
0190	-	-	-	-	-	-	4-5	4-5
0200	5	5	5	4-5	4-5	4-5	-	-

Assessment: High ecological condition was maintained in the Bleach river in October 2009, as indicated by dominance of pollution sensitive macroinvertebrate fauna.

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: 15/10/2009

25/B/10
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1975	1980	1984	1988	1993	1996	1999	2002	2006	2009
0100	-	5	5	5	5	5	5	4-5	-	4
0200	5	5	4-5	5	5	3-4	4-5	4-5	4-5	5

Assessment: There was a slight decline from high to good quality at Bow River Bridge due to the loss of some pollution sensitive macroinvertebrate taxa, coupled with a slight increase in quality in the lower reach (0200). Overall, ecological status remains satisfactory in the Bow river 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 : **BROSNA**

25/B/09

Tributary of : 25S01 SHANNON (Lower)

OS Catchment No: 155

OS Grid Ref of Confluence: N 022 187

Date(s) Surveyed: 21/10/2009, 28/7/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1978	1982	1984	1987	1993	1996	1999	2002	2005	2007	2008	2009
0003	-	-	-	-	4-5	4	3-4	-	-	-	-	-	-	-
0004	-	-	-	-	2-3	3	-	-	-	-	-	-	-	-
0005	-	-	-	-	3	3-4	3	3	3-4	3	3-4	-	3	-
0006	-	-	-	-	3-4	3	3	3	3	3	3-4	-	3	-
0010	-	-	-	-	3-4	2-3	3	-	-	-	-	-	-	-
0040	-	-	-	-	3-4	2-3	3	3	3	3	3	-	3	-
0100	1	1	1-2	1-2	2-3	2	2-3	3	2-3	2	1-2	2	2	2
0200	4-5	4	3-4	4	4	4	3-4	3-4	3	3-4	3-4	-	-	-
0250	-	-	-	-	4	4-5	3-4	3-4	4	3-4	3	-	3-4	-
0400	4-5	4-5	4-5	4	4-5	4	3-4	3-4	4	3	3	-	-	-
0420	-	-	-	-	4-5	4-5	-	-	-	-	-	-	-	-
0450	-	-	-	-	-	4	4	3-4	4	3	3-4	-	3-4	-
0500	4-5	4-5	4-5	-	-	4	4	3-4	3-4	3-4	3	-	3-4	-
0600	3-4	4	4	4	4	4	4	-	3-4	-	-	-	3-4	-
0700	4	4	-	4-5	4	4-5	3-4	3	3-4	3-4	4	-	-	-
0760	-	-	-	-	-	4	3-4	4	4	4	3-4	-	3-4	-
0800	4-5	4-5	4	-	4	5	3*	4	3	3-4*	4-5	-	-	-
0950	-	-	-	-	4-5	4-5	4	4	4	4-5	4-5	-	4	-
1000	4-5	5	4-5	4	3-4	4-5	3-4	3-4	3-4	3	3	-	-	3-4*
1100	-	-	-	-	-	-	-	-	-	-	-	-	-	4

Assessment: Serious pollution continues at Butlers Bridge (0100) in 2009. Although macroinvertebrate faunal diversity improved at Belmont Bridge (1000), the continued dominance of pollution tolerant species, excessive weed and algal growth and heavy siltation continues to indicate unsatisfactory ecological conditions. Downstream, however good ecological conditions were evident at Clonmany Bridge (1100).

Hydrometric Area 25 (2009)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0003	1.1 km d/s L Owel	0	0	41	MH
0004	1.5 km d/s L Owel	0	0	41	MH
0005	Br SW of Culleen Beg	244200	255400	41	MH
0006	Br d/s L Sheever	245600	254800	41	MH
0010	Mullingar: Canal Crossing	0	0	41	MH
0040	Mullingar: Indust Est Br	243800	252400	41	MH
0100	Butler's Br	241900	250200	41	MH
0200	Newell's Br	238329	242309	48	MH
0250	Ballynagore Br	235605	239602	48	MH
0400	Just d/s Kilbeggan Br	233189	235498	48	MH
0420	Glebe Ho d/s Kilbeggan	0	0	48	MH
0450	Br near Lismoynty	229543	233204	48	OF
0500	Lehinch u/s Clara	228270	232401	48	OF
0600	Bolart Br	223411	232488	48	OF
0700	Ballycumber Br	221137	230646	48	OF
0760	0.5km NW of Pollagh	219000	225694	48	OF
0800	Br nr Kilcolgan	214922	223732	48	OF
0950	Ferbane Br	211508	224407	47	OF
1000	Bellmount d/s Ferbane	207366	222240	47	OF
1100	Clonony Br	204768	220877	47	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	88	4	0	100	48	0	0	52	0	0	0
0200	84	157	0	100	72	2	1	5	6	8	6
0250	80	185	0	100	71	2	2	4	8	7	6
0400	67	220	0	100	72	2	2	4	8	6	6
0450	62	252	0	100	73	2	2	4	9	5	5
0500	57	260	0	100	73	2	2	4	9	5	5
0600	49	391	0	100	78	2	2	3	8	3	4
0700	48	422	0	100	78	1	3	3	7	3	4
0760	45	817	3	97	73	2	6	3	9	2	6
0800	43	923	4	96	70	2	9	3	9	1	7
0950	41	1117	7	93	67	3	10	2	9	1	7
1000	39	1126	7	93	68	3	10	2	9	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 : **CAPPAGH (GALWAY)**

25/C/03

Tributary of : 25K01 KILCROW

OS Catchment No: 155

OS Grid Ref of Confluence: M 795 042

Date(s) Surveyed: 14/10/2009, 28/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1975	1979	1983	1987	1993	1996	1999	2003	2006	2009
0070	-	-	-	-	-	-	4-5	-	-	-
0100	-	-	-	4-5	4	3-4	3-4	3-4	4	4-5
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
0500	4-5	5	4	4	4	4	4	-	-	-

Assessment: Overall ecological conditions in the Cappagh remain unchanged, with continuing unsatisfactory conditions in the lower reach (0400). There has been a steady improvement in the upper section at Metal bridge (0100) since 2003, with the site now attaining high quality status.

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 : **CLOGHAUN**
 Tributary of : 25G04 GRANNEY (SHANNON)
 OS Grid Ref of Confluence: R 602 844
 Date(s) Surveyed: 16/10/2009, 21/10/2009

25/C/07

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1987	1989	1993	1996	1999	2003	2006	2009
0100	-	-	5	-	-	-	-	-	-
0200	-	-	5	4	4-5	4-5	4-5	4	4
0300	-	-	-	4	-	-	-	-	-
0400	-	-	4-5	-	4-5	4	4	4	4
0500	-	-	4	-	3-4	3-4	3-4	-	-
0600	4	4-5	5	4-5	3-4	4	3-4	3-4	4

Assessment: Satisfactory ecological condition has been achieved at all sites sampled in the Cloghaun for the first time since 1999. A welcome increase from unsatisfactory to good quality was noted at Core Br (0600) with a corresponding increase in prevalence of pollution sensitive macroinvertebrate fauna.

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.

Hydrometric Area 25 (2009)

River and Code : **COOS**
 Tributary of : Lough Derg
 OS Grid Ref of Confluence: R 763 946
 Date(s) Surveyed: 22/10/2009

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
0010	-	-	-	-	-	-	-	5	4-5	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

Assessment: No change was recorded in the satisfactory ecological condition of the Coos river in 2009.

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 GRANEY (SHANNON) OS Catchment No: 155
 OS Grid Ref of Confluence: R 594 888
 Date(s) Surveyed: 15/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1993	1996	1999	2003	2006	2009
0100	-	5	-	5	5	4-5	-	-
0400	5	5	5	5	5	5	4-5	4-5

Assessment: Continuing highly satisfactory ecological conditions in the Corra in 2009. This Lough Graney tributary is characterised by high numbers of pollution-sensitive macroinvertebrate species present.

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 : **DERRAINY**
 Tributary of : Lough Alewnaghta
 OS Grid Ref of Confluence: R 755 911
 Date(s) Surveyed: 22/10/2009

25/D/10
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1984	1987	1988	1993	1996	1999	2002	2006	2009
0100	-	5	-	5	4	-	-	-	-	-
0200	4-5	3-4	5	-	5	4	4	4-5	4-5	4-5

Assessment: Satisfactory ecological conditions have been maintained on the Derrainy stream in 2009, a trend that has remained unchanged since 1987.

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 : **DRUMANDOORA**

25/D/06

Tributary of : Lough Graney

OS Catchment No: 155

OS Grid Ref of Confluence: R 551 951

Date(s) Surveyed: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1994	1996	1999	2003	2006	2009
0200	-	5	5	4	4-5	4-5	-	-
0500	-	-	-	-	4-5	4	4-5	4-5
0600	4	4	4-5	4	-	-	-	-

Assessment: Satisfactory ecological conditions have been maintained on the Drumandoora stream in 2009 as evidenced by a good diversity of pollution-sensitive macroinvertebrate fauna.

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: 28/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1993	1996	1999	2003	2006	2009
0300	-	4	4-5	4-5	4-5	4	4	4
0350	5	-	5	-	4-5	4-5	4	4-5
0500	-	-	-	4-5	-	-	-	-

Assessment: Drumkeary stream, tributary of Duniry River, has maintained satisfactory ecological condition in 2009, with slight improvement in quality at the lower site (0350).

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: 28/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1989	1993	1996	1999	2003	2006	2009
0100	5	5	4-5	5	4-5	4-5	4	4
0200	-	5	4-5	5	4-5	4-5	4-5	-
0300	5	-	-	-	-	-	-	-
0400	5	5	5	5	5	5	4-5	4-5

Assessment: Ecological conditions in this tributary of the Cappagh River have remained unchanged since the last survey, with satisfactory quality maintained at both sites.

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: 13/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1983	1986	1988	1993	1996	1999	2003	2006	2009
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
0200	-	-	3	3	3	-	3	3	n/s	3
0300	-	-	3	3	3	-	-	-	-	-

Assessment: Despite a slight improvement at both stations in 2009, the Eyrecourt Stream is still in an unsatisfactory ecological condition. The complete lack of sensitive macroinvertebrate fauna, increased siltation and low dissolved oxygen levels (80%) indicated moderate pollution due to sewage discharges.

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 : **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: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1994	1996	1999	2002	2009
0100	4	4-5	4-5	4-5	4	4

Assessment: Continuing satisfactory conditions in the Glenomra Wood Stream in 2009.

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 : **GRANEY (SHANNON)**

25/G/04

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: R 658 837

Date(s) Surveyed: 15/10/2009, 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1975	1979	1981	1984	1986	1987	1993	1994	1996	1999	2003	2006	2009
0010	-	-	-	-	4	-	4-5	5	-	5	5	4-5	4-5	-
0025	-	-	-	-	4-5	-	5	5	-	5	5	5	4-5	5
0100	-	-	4	-	4	-	4	4	-	3	4	4-5	4	4-5
0150	-	-	-	-	4-5	-	4	-	-	-	-	-	-	-
0200	5	5	4	-	5	-	5	-	5	4	4	5	4-5	4-5
0300	5	5	4	5	4	4-5	4	-	-	4	-	3*	3-4	-
0350	-	-	-	-	-	3	3	-	3	-	-	-	-	-
0400	-	-	-	-	-	-	-	-	-	3	3	2	3	3-4

Assessment: Improvement in ecological quality was recorded at almost all sites sampled on the Graney in 2009. The well-established trend was repeated again with satisfactory ecological conditions observed upstream of Scarriff, with unsatisfactory, albeit slightly improved, quality below the town (0400).

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 : **KILCROW**

25/K/01

Tributary of : Lough Derg

OS Catchment No: 155

OS Grid Ref of Confluence: M 801 031

Date(s) Surveyed: 13/10/2009, 14/10/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1975	1979	1980	1983	1986	1988	1989	1993	1996	1999	2003	2006	2009
0005	-	-	-	-	-	-	3-4	-	-	-	-	-	-
0009	-	-	-	-	-	-	3-4	4	2-3	4	2-3	-	-
0020	-	-	-	-	-	4	-	-	4	4	4	4	4
0040	-	-	-	-	-	4	-	-	-	-	-	-	-
0060	-	-	-	-	-	-	-	4	-	-	-	3	-
0100	-	-	4	4	3-4	4	-	3	3	3	3-4	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
0350	-	-	3-4	3	3-4	-	-	-	-	-	-	-	-
0360	-	-	-	-	3-4	4	-	3-4	2-3	4	4	3-4	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
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

Assessment: An overall welcome improvement in ecological condition was observed in the Kilcrow in 2009. The use of fencing to control cattle access to the river is certainly a factor in this improvement of status. Only Moat Br (0500) remains in an unsatisfactory condition, showing signs of eutrophication with high DO (117% in October 2009) and excessive macrophyte and algal growth. White-clawed crayfish (*Austropotamobius pallipes*) were present in good numbers at two sites (0300 & 0360).

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 Ahanageelery 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 (2009)

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 : **LISDUFF (KILCROW)**

25/L/06

Tributary of : 25K01 KILCROW

OS Catchment No: 155

OS Grid Ref of Confluence: M 793 124

Date(s) Surveyed: 13/10/2009, 14/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1983	1984	1987	1993	1996	1999	2003	2006	2009
0060	-	-	-	3	-	2-3	3-4	-	-	-
0100	-	-	-	3	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
0500	-	3-4	3	3/0	-	-	-	-	-	-

Assessment: The Lisduff River drains the region of the old Tynagh Mines and toxic effects have been noted in past surveys. Ecological conditions in 2009 remained unsatisfactory at both sites. Excessive macrophyte and algal growth at Castletown bridge, coupled with a lack of pollution sensitive macroinvertebrates indicated unsatisfactory conditions. Further downstream at 0400, the macroinvertebrate fauna indicated slight pollution, despite new fencing restricting cattle access.

Station No.	Stations Location	National		Grid Ref.		Discovery Series No.	County Code
		X	Y	Y	X		
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: 14/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1983	1984	1986	1987	1988	1993	1996	2003	2009
0050	-	-	-	3	2/0	1/0	3/0	3/0	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

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. Although still at unsatisfactory ecological condition, a welcome improvement was noted at 0200, with sensitive macroinvertebrate taxa recorded for the first time in over twenty years.

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: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1994	1996	1999	2002	2006	2009
0300	4-5	5	4-5	4-5	4-5	3-4	4-5

Assessment: Healthy recovery of ecological condition was observed on the Mountrice in 2009 with a diversity of pollution- sensitive macroinvertebrates present.

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: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1983	1986	1987	1993	1996	1999	2002	2006	2008	2009
0100	5	5	5	4	4-5	5	4	4	4	4	4-5	-	-
0200	-	-	4-5	4	4-5	4-5	3-4*	3-4	3	4	4-5	-	4
0300	5	5	-	-	-	4-5	3	-	-	-	-	-	-
0400	-	-	5	5	-	5	-	4	4	4	4	-	4-5
0500	5	5	4-5	5	-	5	4	3-4	4	4-5	-	-	-
0590	-	-	-	-	-	5	4	3-4	4	4	4-5	4	-
0600	5	5	4-5	4-5	-	4-5	-	-	-	-	-	-	-

Assessment: Due to high water levels in 2008, stations 0200 and 0400 were inaccessible; hence these stations were sampled in October 2009 and indicated continuing satisfactory conditions at both locations. Brittas Bridge (0200) showed a slight deterioration from high to good ecological status, with increased siltation a contributory factor in the decline. Conversely, Station 0400 showed a slight increase from good to high condition, as indicated by a broad range of sensitive macroinvertebrate taxa present.

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 : **SCARRIFF STREAM** **25/S/08**
 Tributary of : 25G04 GRANNEY (SHANNON) OS Catchment No: 155
 OS Grid Ref of Confluence: R 641 844
 Date(s) Surveyed: 15/10/2009

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1999	2003	2005	2009
0400	4	3-4	4	3	3	3-4

Assessment: A slight improvement was noted in the Scarriff Stream in October 2009, although ecological conditions remain unsatisfactory due to a paucity of pollution sensitive macroinvertebrates.

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 : **SHINRONE STREAM**

25/S/11

Tributary of :

OS Catchment No:

OS Grid Ref of Confluence:

Date(s) Surveyed: 20/10/2009

Station Nos.	2008	Biological Quality Ratings (Q Values)	2009
0100	2*		2-3*

Assessment: Poor ecological conditions were evident on the Shinrone Stream in 2009, although the macroinvertebrate fauna did indicate an improvement from the serious pollution status noted in 2008. The lack of sensitive macroinvertebrate species, excessive macrophyte abundance, heavy siltation and low dissolved oxygen readings (68% saturation) continues however to indicate significant ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Fortified House Bridge on R491	204735	192430	53	OF

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: 27/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1975	1979	1984	1987	1993	1996	1999	2003	2006	2009
0040	-	-	-	-	-	-	3*	4	4	3-4
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
0300	4-5	5	4-5	5	4-5	3-4	4	4-5	4-5	4-5

Assessment: Ecological conditions remained unchanged at two out of three sites in the Woodford in 2009. The lack of sensitive macroinvertebrate species and excessive silt indicated an unwelcome decline from good to moderate ecological status in the upper reaches (0040).

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.

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 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Annagh (Tipperary)	2008	25A02	9.3	17.3	0.0	0.0	0.0	26.5
Ardcloony	2009	25A03	6.0	0.0	0.0	0.0	0.0	6.0
Ardcrony Stream	2008	25A06	0.0	0.0	5.0	0.0	0.0	5.0
Ardgregane Stream	2008	25A04	0.0	0.0	7.0	0.0	0.0	7.0
Ayle	2009	25A07	5.5	0.0	0.0	0.0	0.0	5.5
Ballinlough Stream ¹	2009	25B15	12.5	0.0	0.0	0.0	0.0	12.5
Ballintotty ¹	2008	25B01	0.0	0.0	11.0	0.0	0.0	11.0
Ballyfinboy	2008	25B02	0.0	6.5	15.2	5.4	0.0	27.0
Ballynacarrig	2008	25B18	0.0	0.0	6.0	0.0	0.0	6.0
Ballynagrenia Stream	2008	25B16	0.0	4.0	2.5	0.0	0.0	6.5
Ballyquiveen Stream	2008	25B30	0.0	2.0	0.0	0.0	0.0	2.0
Bilboa	2008	25B03	24.0	4.0	1.5	0.0	0.0	29.5
Barnacullia Stream ¹	2009	25B14	0.0	0.0	0.0	4.0	0.0	4.0
Blackwater (Clare)	2009	25B06	14.5	0.0	0.0	0.0	0.0	14.5
Blackwater (Shannonbridge)	2009	25B27	0.0	6.5	5.0	0.0	0.0	11.5
Bleach	2009	26B07	8.5	0.0	0.0	0.0	0.0	8.5
Boora	2008	25B08	0.0	0.0	6.0	0.5	0.0	6.5
Bow	2009	25B10	2.0	5.0	0.0	0.0	0.0	7.0
Breaghmore	2008	25B12	12.5	6.5	0.0	0.0	0.0	19.0
Brosna	2008/09	25B09	0.0	19.6	45.8	9.1	2.5	77.0
Bunow	2008	25B25	0.0	8.0	4.0	0.0	0.0	12.0
Cahernahallia	2008	25C01	0.0	10.5	2.0	0.0	0.0	12.5
Camcor	2008	25C02	7.0	10.0	5.0	0.0	0.0	22.0
Cappagh (Galway)	2009	25C03	16.0	0.0	3.0	0.0	0.0	19.0
Cappawhite Stream	2008	25C10	0.0	2.5	1.5	1.0	0.0	5.0
Carrigahorrig Stream	2008	25C16	0.0	7.5	1.5	0.0	0.0	9.0
Cauteen	2008	25C04	0.0	0.0	6.0	0.0	0.0	6.0
Clareen Stream	2008	25C13	0.0	0.0	5.0	1.0	0.0	6.0
Clodiagh (Tullamore)	2008	25C06	0.0	25.0	11.0	0.0	0.0	36.0
Cloghaun	2009	25C07	0.0	13.0	0.0	0.0	0.0	13.0
Coos	2009	25C08	0.0	7.5	0.0	0.0	0.0	7.5
Corra	2009	25C09	8.0	0.0	0.0	0.0	0.0	8.0
Dead	2008	25D01	0.0	0.0	13.0	0.0	0.0	13.0
Derrainy	2009	25D10	0.0	5.0	0.0	0.0	0.0	5.0
Dolla	2008	25D08	0.0	7.0	0.0	0.0	0.0	7.0
Doon Stream ¹	2008	25D03	0.0	0.0	3.5	0.0	0.0	3.5
Doonane	2008	25D04	6.5	0.0	0.0	0.0	0.0	6.5
Drumandoora	2009	25D06	7.0	0.0	0.0	0.0	0.0	7.0
Drumkeary Stream	2009	25D11	2.9	4.2	0.0	0.0	0.0	7.0
Duniry	2009	25D07	5.8	4.3	0.0	0.0	0.0	10.0
Dysart stream (Lough Ennell)	2008	25D05	0.0	0.0	0.0	9.5	0.0	9.5
Eyrecourt Stream	2009	25E01	0.0	0.0	0.0	4.0	0.0	4.0
Gageborough	2008	25G01	0.0	8.0	10.0	0.0	0.0	18.0
Glashacloonaraveela	2008	25G02	0.0	5.5	0.0	0.0	0.0	5.5
Glenfelly Stream	2008	25G21	0.0	7.0	0.0	0.0	0.0	7.0
Glenomra Wood Stream ¹	2009	25G12	0.0	5.0	0.0	0.0	0.0	5.0
Golden Grove Stream	2008	25G06	0.0	0.0	4.0	0.0	0.0	4.0
Gorragh	2008	25G09	1.0	4.5	0.0	0.0	0.0	5.5
Gortnageragh	2008	25G03	0.0	6.0	0.0	0.0	0.0	6.0
Gortnagowna	2008	25G13	0.0	3.0	0.0	0.0	0.0	3.0
Graney (Shannon)	2009	25G04	20.5	0.0	4.0	0.0	0.0	24.5
Groody ¹	2008	25G05	0.0	0.0	5.0	1.5	0.0	6.5

Hydrometric Area 25 (2009)

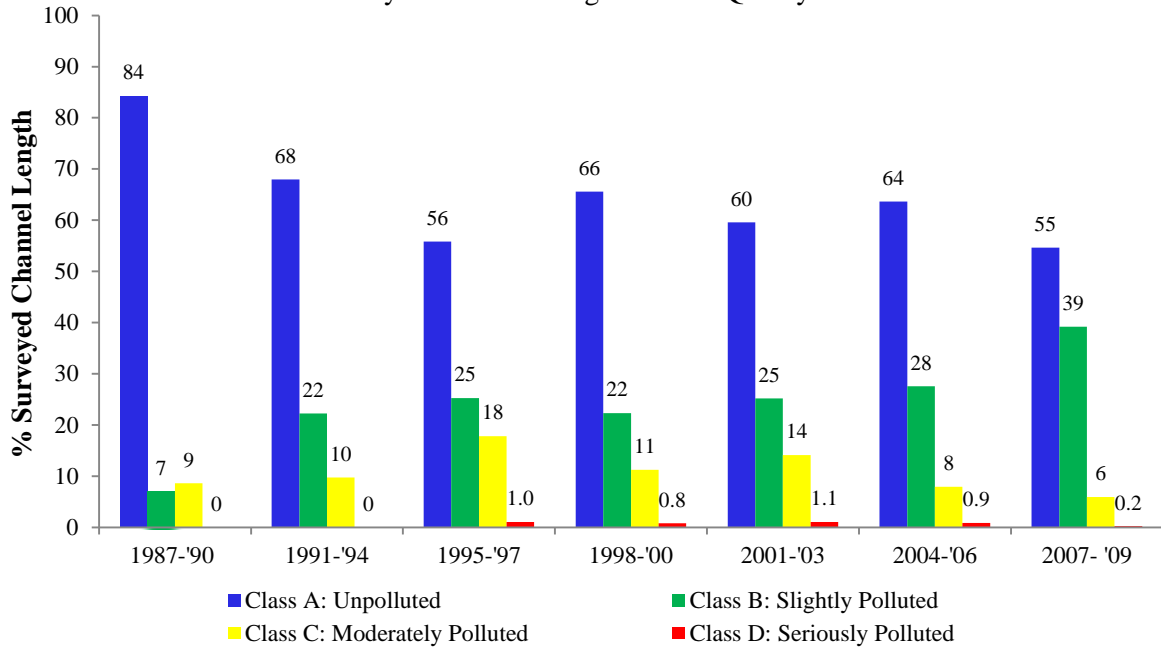
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Inch (Bilboa)	2008	25I01	0.0	3.0	1.5	0.0	0.0	4.5
Keeloge Stream	2008	25K14	0.0	0.0	14.0	0.0	0.0	14.0
Kilcomin Stream	2008	25K15	0.0	0.0	9.0	4.0	0.0	13.0
Kilcrow	2009	25K01	0.0	29.2	3.8	1.1	0.0	34.0
Kilfadda Castle Stream	2008	25K07	0.0	0.0	3.0	0.0	0.0	3.0
Killeengarriff	2008	25K02	0.0	4.5	0.0	0.0	0.0	4.5
Kilmastulla	2008	25K04	0.0	0.0	20.5	0.0	0.0	20.5
Lisduff (Kilcrow)	2009	25L06	0.0	0.0	10.0	0.0	0.0	10.0
Little (Cloghan)	2008	25L01	0.0	4.5	0.5	0.0	0.0	5.0
Little Brosna	2008	25L02	0.0	9.5	31.5	0.0	0.0	41.0
Lorrha Stream	2008	25L05	0.0	0.0	6.0	0.0	0.0	6.0
Moate Stream	2008	25M05	0.0	0.0	0.0	9.0	0.0	9.0
Monaghanstown	2008	25M01	0.0	0.0	0.0	7.0	0.0	7.0
Mountrice	2009	25M03	4.5	0.0	0.0	0.0	0.0	4.5
Mulkear (Limerick)	2008/09	25M04	11.0	10.5	0.0	0.0	0.0	21.5
Nenagh	2008	25N01	0.0	28.5	13.5	0.0	0.0	42.0
Newport (Tipperary)	2008	25N02	14.0	18.0	0.0	0.0	0.0	32.0
Newtown	2008	25N03	5.5	2.5	0.0	0.0	0.0	8.0
Ollatrim	2008	25O01	12.0	5.0	9.0	0.0	0.0	26.0
Pallas	2008	25P01	0.0	0.0	7.0	0.0	0.0	7.0
Pollagh Stream (Brosna)	2008	25P05	0.0	0.0	4.0	0.0	0.0	4.0
Rapemills ¹	2008	25R01	0.0	0.0	1.0	0.0	0.0	1.0
Scarriff Stream	2009	25S08	0.0	0.0	3.0	0.0	0.0	3.0
Shinrone Stream ¹	2009	25S11	0.0	0.0	0.0	1.0	0.0	1.0
Shannon (Lower)	2008	25S01	0.0	0.0	61.0	0.0	0.0	61.0
Silver (Kilcormac)	2008	25S02	0.0	18.5	13.5	0.0	0.0	32.0
Silver (Tullamore)	2008	25S03	0.0	0.0	17.0	0.0	0.0	17.0
Silvermines Village Stream	2008	25S10	1.0	0.0	1.5	0.0	0.0	2.5
Small (Tipperary)	2008	25S05	0.0	5.0	0.0	0.0	0.0	5.0
Syonan Castle Stream	2008	25S04	0.0	0.0	7.0	0.0	0.0	7.0
Toem Stream	2008	25T05	0.0	6.0	0.0	0.0	0.0	6.0
Tullamore	2008	25T03	0.0	0.0	7.0	12.0	0.0	19.0
Woodford (Galway)	2009	25W01	4.8	5.5	3.3	0.0	0.0	13.5
Yellow (Kilmastulla) ¹	2008	25Y01	0.0	0.0	1.0	0.0	0.0	1.0
Youghal (Tipperary)	2008	25Y02	0.0	4.0	2.0	0.0	0.0	6.0
Total Length (km) surveyed this cycle	2008/'09		222.1	368.9	434.0	70.0	2.5	1097.5
Adjustments (See below)*			12.5	-4.0	16.0	6.5	0.0	31.0
Percentages			19.7	35.0	39.2	6.0	0.2	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Status (km)	2007 -'09			582.5	418.0	63.5	2.5	1066.5
Percentages				54.6	39.2	6.0	0.2	100.0
Baseline :Previous Status. (km)**	2004 -'06			676.5	300.5	80.0	9.5	1066.5
Percentages				63.4	28.2	7.5	0.9	100.0
Changes since Previous Survey (Km)				-94.0	117.5	-16.5	-7.0	0.0

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

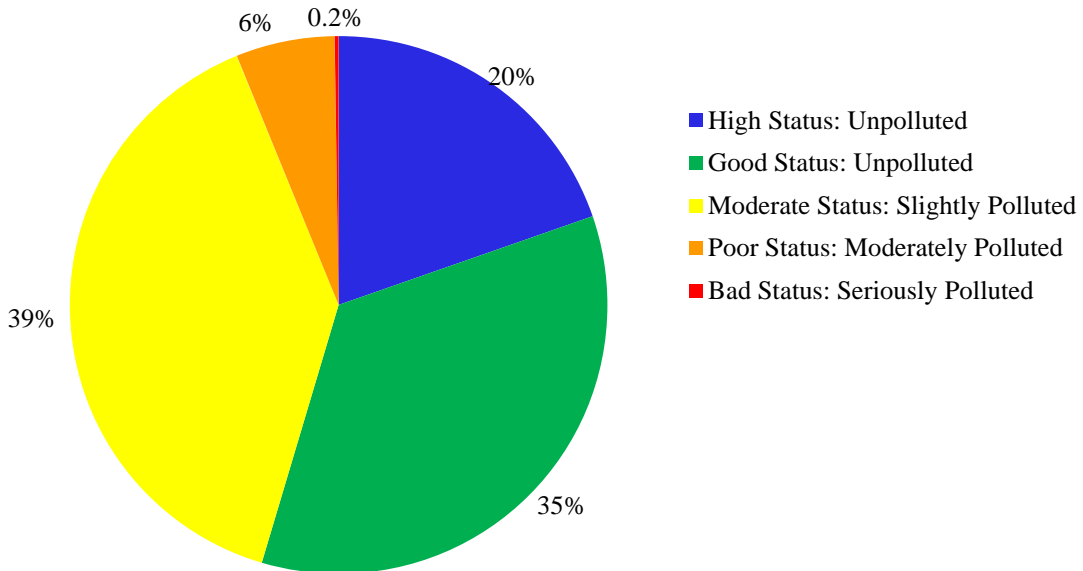
**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 25 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 25 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 26 (Shannon Upper- Balance of Survey)

Partial Survey in 2008, Balance of Survey in 2009

BALLINURE	26B01
BALLYDANGAN	26B14
BOYLE	26B08
CLOONEIGH	26C06
CROSS (ROSCOMMON)	26C10
INNY	26I01
JIGGY (HIND) *	26J01
# LAURENCETOWN STREAM	26L07
OWENGAR (LEITRIM)	26O02
SHAD LOUGH STREAM	26S13
SHANNON (UPPER)	26S02
SUCK	26S07

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

* JIGGY (HIND) Previously reported as North Branch on Hind 26H01

River and Code : **BALLINURE**
 Tributary of : 26S07 SUCK
 OS Grid Ref of Confluence: M 898 256
 Date(s) Surveyed: 22/10/2009

26/B/01
 OS Catchment No: 156

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1983	1986	1987	1992	1996	1999	2002	2006	2009
0150	-	-	-	-	-	-	-	-	-	4
0200	4	4	4	4-5	4	4	4	4	3-4	-
0400	3	4	3-4	3-4	3-4	3-4	3	3	3-4	4

Assessment: Both sites surveyed were satisfactory in October 2009 - an improvement in quality compared with the 2006 survey results.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Attibrassil Br	179940	226399	0	GY
0200	Tristaun Bridge	181773	227088	47	GY
0400	Clontuskert Bridge	187050	225469	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	50	41	0	100	86	3	2	1	4	0	5
0400	39	71	0	100	90	1	1	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 : **BALLYDANGAN**
 Tributary of : 26S02 SHANNON (Upper)
 OS Grid Ref of Confluence: M 988 305
 Date(s) Surveyed: 21/10/2009

26/B/14

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)							
	1984	1987	1992	1996	1999	2002	2006	2009
0100	4	4	4	-	3-4	3-4	3	4
0200	-	-	-	3	-	-	-	3-4

Assessment: The upper Ballydangan (0100) was of good status but the river deteriorated in the lower reaches (0200) upstream of the Shannon where it was of moderate status (slightly polluted).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Corn Mill- Cappyuse	196002	232572	47	RN
0200	Br u/s Shannon R. confl.	198303	231212	47	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	40	22	0	100	80	1	19	0	0	0	0
0200	39	24	0	100	80	1	19	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 : **BOYLE**

26/B/08

Tributary of :

OS Catchment No: 155

OS Grid Ref of Confluence: G 927 020

Date(s) Surveyed: 20/10/2009, 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1974	1978	1980	1983	1987	1992	1996	1999	2000	2002	2005	2008	2009
0100	-	-	-	5	4	4-5	4	4	4	-	4	4	4	-
0200	5	5	5	5	4-5	4-5	4	4	4	-	4-5	4	4	-
0300	-	4	4	4	4	4	3-4	-	-	-	-	-	-	-
0400	5	-	3-4	3-4	4	4	4	4	4	4	4	4-5	-	4
0500	-	-	-	-	-	-	3-4	4	3-4	-	4-5	4	-	-
0600	5	5	-	5	4-5	-	4	4	4	-	4	4	-	4

Assessment: The lower section of the River Boyle downstream of Boyle (0400) and downstream of Lough Key (0600) was surveyed in 2009 - both sites were satisfactory and of good ecological status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cuppanagh Bridge	173418	301105	33	RN
0200	Footbridge 1.8 km u/s Boyle	178850	301850	33	RN
0300	Bridge at Boyle Abbey	180206	302589	33	RN
0400	Drum Bridge (Boat House Ford)	181616	303934	33	RN
0500	Knockvicar Bridge	187249	305546	33	RN
0600	Cootehall Bridge	189429	303673	33	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	60	0	0	100	100	0	0	0	0	0	0
0200	56	504	12	88	51	1	23	0	9	4	11
0300	52	508	12	88	52	1	23	1	9	4	11
0400	44	525	13	87	51	1	22	1	11	3	11
0500	40	577	15	85	51	2	20	1	11	5	11
0600	40	585	14	86	51	2	20	1	11	5	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 : **CLOONEIGH**
 Tributary of : Lough Ree
 OS Grid Ref of Confluence: M 951 650
 Date(s) Surveyed: 19/10/2009

26/C/06
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1984	1987	1992	1996	1999	2002	2006	2008	2009
0030	-	-	-	-	-	3-4	4	-	4
0040	-	-	-	4	3-4	-	-	-	-
0100	4	4	4	-	-	-	-	-	-
0200	4	3-4	4	2-3	3	4	4	4	-

Assessment: The upper Clooneigh was of good status in October 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br S Drumdaff	191089	269426	40	RN
0040	Br SE Lisgobbin	192783	267840	40	RN
0100	Br NE Tonlegee	193250	267170	40	RN
0200	Clooneigh S of Derryturk	194328	265466	40	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	44	13	0	100	89	0	2	0	9	0	0
0200	39	44	0	100	85	1	11	0	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 : **CROSS (ROSCOMMON)**

26/C/10

Tributary of :

OS Catchment No: 155

OS Grid Ref of Confluence: N 004 393

Date(s) Surveyed: 20/10/2009, 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1984	1987	1992	1996	1999	2002	2006	2009
0060	-	-	-	4	4	3-4	3-4	3
0070	-	-	-	-	-	-	3	-
0100	4	4	4-5	4	3-4	4	-	-
0200	4	4	3-4	4	4	4	3-4	3-4
0300	4	4	3	3	3	3	3-4	3-4
0400	4	4	4	4	-	4	n/s	4

Assessment: The upper Cross River (0060) appeared quite eutrophic in 2009. The middle reaches upstream of Monksland (0200) were slightly polluted (moderate status) as was the river immediately downstream of the main wastewater discharges from Monksland (0300), where there was a slight smell of sewage from the river. The river recovered to good status before its confluence with the main Shannon some kilometers downstream of Athlone.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br E of Eskerbaun	194485	245846	47	RN
0070	Br SW of Milltown Pass	195465	245237	0	RN
0100	Bridge at Corrantotan	196225	244436	47	RN
0200	Bridge at Burnbrook	198628	242119	47	RN
0300	Bridge S. of Doyle's Bridge	201223	240189	47	RN
0400	Bridge u/s Shannon River	203709	239202	47	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	55	42	0	100	82	0	0	0	5	10	3
0100	50	49	0	100	83	0	0	0	5	8	3
0200	43	80	0	100	79	0	6	1	3	5	5
0300	39	103	0	100	80	0	7	1	4	4	4
0400	37	116	0	100	78	0	7	2	4	4	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 : **INNY**

26/I/01

Tributary of :

OS Catchment No: 157

OS Grid Ref of Confluence: N 115 554

Date(s) Surveyed: 19/10/2009, 27/10/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1981	1984	1987	1992	1996	1999	2002	2005	2008	2009
0060	-	-	-	-	-	4	3	3	3	3	3	-	-
0100	-	-	-	3-4	3-4	4	4	3-4	3-4	-	-	3-4	-
0200	4	4	4	4	4	3-4	3-4	3-4	3	3	3	3-4*	-
0300	-	-	-	4	4-5	4	3-4	4	3	3	3-4	3-4	-
0400	-	-	-	4	4	4	-	-	-	-	-	-	-
0500	3-4	3-4	4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	-
0550	-	-	-	-	4	4	-	-	-	-	-	-	-
0600	-	-	4-5	4-5	4-5	4	3-4	3-4	-	3-4*	3-4	-	-
0650	4	4	-	5	4-5	4-5	-	-	-	-	-	-	-
0700	-	-	-	-	-	-	3	3-4	3-4	4	3-4	3	-
0750	-	-	-	-	-	-	3-4	3-4	3-4	4	3-4	-	-
0800	4	4-5	4	4	4-5	4	3-4	4	4	3-4	4	4	-
0900	-	5	4	4	5	4	4	4-5	4	4	3-4	-	-
1000	5	4	4-5	5	4-5	5	3-4	4	4	3-4	4	4	-
1080	-	-	-	-	-	5	4	-	-	-	-	-	-
1120	-	-	-	-	4-5	5	-	-	-	-	-	-	-
1150	-	-	-	-	-	5	3-4	4	3-4	3-4	3-4	3-4	-
1200	4	4-5	4-5	4-5	4-5	5	3-4	4	4	4	4	-	-
1300	-	-	-	4	4-5	4-5	4	-	-	-	-	-	-
1320	-	-	-	-	4-5	4-5	-	3-4	-	-	-	-	-
1350	4-5	4-5	4-5	4-5	4-5	4-5	4-5	3-4	4	4	4	-	4
1400	-	-	-	4-5	4-5	5	4	3-4	4	4	4	-	-

Assessment: Due to flood conditions, station 1350 was not sampled in 2008. Good ecological conditions were evident at Shrle Bridge (1350) in 2009.

Hydrometric Area 26 (2009)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br NW of Ballinvally	257704	279699	42	MH
0100	Tubride Br	255313	278913	42	MH
0200	Castlecor: 1st Br d/s St 0100	253085	280590	35	MH
0300	Ballinrink Br	249453	280948	34	MH
0400	Ross Br	247288	283030	34	MH
0500	Finnea Br	240186	281418	34	MH
0550	2 km d/s Lough Kinale	0	0	34	MH
0600	Camagh Br	239178	275596	41	MH
0650	Float Br	0	0	41	MH
0700	Br nr Shrubbywood	238727	270002	41	MH
0750	Inny Br d/s L Derravaragh	238967	266647	41	MH
0800	Ballinalack Br	234778	264602	41	MH
0900	Ballycorkey Br	231186	263939	41	MH
1000	Ballynacarrow Br	225822	260253	41	MH
1080	300 m u/s Abbeyshrle Br	0	0	41	LD
1120	500 m d/s Abbeyshrle Br	0	0	41	LD
1150	Clynan or New Br	221488	258628	41	LD
1200	Newcastle Br	218321	256960	41	LD
1300	Ballymahon Br	0	0	41	LD
1320	500 m d/s Ballymahon Br	215218	256464	41	LD
1350	Shrle Br	213497	255897	41	LD
1400	Red Br	211880	255083	40	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	84	46	16	84	93	3	1	2	2	0	0
0300	68	56	13	87	94	2	0	2	2	0	0
0500	69	257	43	57	82	3	2	1	4	7	1
0600	67	377	31	69	79	4	4	1	4	6	3
0700	66	438	27	73	77	3	7	1	4	5	3
0750	60	599	20	80	77	3	5	1	5	5	3
0800	60	673	17	83	75	3	8	1	5	5	4
0900	58	775	15	85	76	3	8	1	4	4	4
1000	55	866	13	87	76	3	8	1	4	4	4
1150	51	959	12	88	77	3	8	1	4	3	3
1200	48	1050	11	89	78	3	8	1	4	3	4
1320	40	1078	11	89	78	3	8	1	4	3	4
1350	40	1087	11	89	78	3	8	1	4	3	4
1400	40	1226	10	90	80	2	7	1	4	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 : **JIGGY (HIND)**
 Tributary of : 26H01 HIND
 OS Grid Ref of Confluence: M 879 619
 Date(s) Surveyed: 20/8/2009

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
0090	1-2	2	2	1-2	1-2	1-2	2	1-2	2	2	1-2

Assessment: The Jiggy was again seriously polluted in Roscommon Town in 2009.

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: 22/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1992	1994	1996	1999	2002	2006	2009
0200	3	3-4	-	-	-	-	-	-
0270	-	-	3	-	-	-	-	-
0290	-	-	2-3	-	-	-	-	-
0300	3	2-3	2	2	1	2-3	1	1
0500	3-4	3	-	2-3	3	2-3	2	3

Assessment: Serious pollution was once again recorded at Station 0300 on the Laurencetown Stream in October 2009. The lowermost site (0500) recovered somewhat from Bad Status in 2006 to Poor Status in 2009.

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.

River and Code : **OWENGAR (LEITRIM)**

26/O/02

Tributary of : 26D02 DIFFAGHER

OS Catchment No: 155

OS Grid Ref of Confluence: G 930 243

Date(s) Surveyed: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1984	1987	1992	1996	1999	2002	2005	2008	2009
0075	-	-	-	-	-	4-5	4-5	-	-
0100	5	4-5	4-5	4	4-5	4-5	n/s	-	4
0200	4	4	5	4-5	3-4*	-	4	4*	-

Assessment: Station 0075 on the Owengar was satisfactory in 2009. The upper Owengar tributaries were badly impacted by landslides in August 2008.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0075	Br E Camalt	189198	323309	26	
0100	Bridge at Barragh	191437	323471	26	LM
0200	Bridge at Annaghgerry	192420	323894	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	59	14	0	100	1	15	45	0	17	0	22
0200	51	18	0	100	0	15	37	1	27	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 : **SHAD LOUGH STREAM**

26/S/13

Tributary of : 26S01 SCRAMOGE

OS Catchment No: 155

OS Grid Ref of Confluence: M909790

Date(s) Surveyed: 19/10/2009

Station Nos.	Biological Quality Ratings (Q Values)		
	2002	2005	2009
0250	4	3	4

Assessment: A welcome improvement in ecological condition was observed in the Shad Lough Stream in 2009, with good status restored.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Br NNE Ballyglas	187217	276428	0	RN

River and Code : **SHANNON (Upper)**

26/S/02

Tributary of :

OS Catchment No: 155

OS Grid Ref of Confluence: R 580 600

Date(s) Surveyed: 19/10/2009

Station Nos.	Biological Quality Ratings (Q Values)													
	1972	1976	1982	1984	1985	1987	1990	1992	1996	1999	2002	2005	2008	2009
0100	-	-	-	-	5	5	-	4	4-5	4	4	4	3-4	-
0200	-	-	5	-	5	5	-	5	5	4-5	4-5	-	4-5	-
0300	-	-	5	-	5	5	-	5	4-5	4-5	5	4	4-5	-
0380	-	-	-	4	-	4	-	-	-	-	-	-	-	-
0500	4-5	-	-	4-5	-	5	-	4	4-5	4	4	4	4	-
1010	-	-	-	-	-	-	-	4	3-4	4	3	4	3	-
1190	4	5	-	4-5	-	-	3-4	-	-	-	-	-	-	-
1410	-	-	-	-	-	-	-	-	3-4	4	3-4*	3-4	3-4	-
1415	-	-	-	-	-	-	3	2-3	3	3-4	3-4	-	-	-
1510	-	-	-	-	-	-	-	3	3-4	3-4	3-4*	3-4	-	3-4
1530	-	-	-	-	-	-	-	-	-	-	-	-	3-4	-
1590	-	-	-	-	-	-	-	2-3*	3*	-	-	-	-	-
1600	-	-	-	-	-	-	-	-	-	3*	3*	3	3-4*	-
1705	-	-	-	-	-	-	3	-	-	-	-	-	-	-
1720	-	-	-	-	-	-	3	2-3	3	3-4	3-4	3	3	-
1730	4-5	4	-	3-4	-	-	3-4	-	-	-	-	-	-	-
1740	4-5	4	-	3-4	-	-	4	-	-	-	-	-	-	-
1800	-	5	-	4	-	-	-	-	4	4	3-4	4	3-4	-

Assessment: Slight Pollution continues downstream of Tarmonbarry Weir (1510) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Shannon Br Derrylahan	204499	330498	26	CN
0200	Metal Br S of Tullynafreave	202094	328921	26	CN
0300	Dowra Br	199124	326694	26	LM
0380	Bellantra Br	0	0	26	LM
0500	Battle Br	194869	305110	33	LM
1010	Jamestown: d/s Weir(LHS)	197915	297806	33	LM
1190	0.5 km u/s Roosky Bridge	0	0	33	LM
1410	Roosky: d/s Lock (LHS)	205325	285976	33	LM
1415	Roosky: d/s Old Canal (RHS)	205288	286227	33	RN
1510	d/s Tarmonbarry Weir (LHS)	205467	276697	40	LD
1530	1km d/s Camlin (S limb), S of Lodgetown (LHS)	204317	276208	40	
1590	0.5 km u/s Lanesboro Br (LHS)	200625	269484	40	LD
1600	Ballyleague Br Lanesboro	200543	269353	40	RN
1705	Athlone: just d/s Lock (RHS)	0	0	47	RN
1720	Athlone: Burgess Park (LHS)	204105	241004	47	MH
1730	Athlone: d/s Old Canal	0	0	47	MH
1740	Athlone: Wren Island	0	0	47	MH
1800	Clonmacnoise: at Jetty	200565	230634	47	OF

Hydrometric Area 26 (2009)

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	0	100	0	0	100	0	0	0	0
0200	60	85	0	100	1	6	80	0	12	0	1
0300	51	117	0	100	3	6	69	0	18	0	4
0500	40	588	6	94	19	7	31	0	22	7	15
1010	39	1378	9	91	41	4	22	1	15	6	12
1410	38	1910	8	92	51	3	17	0	13	5	11
1415	38	1910	8	92	51	3	17	0	13	5	11
1510	39	2591	11	89	55	3	15	1	13	4	9
1590	39	2778	10	90	55	3	17	1	12	4	8
1600	39	2779	10	90	55	3	17	1	12	4	8
1720	37	4601	9	91	63	2	13	1	9	6	6
1800	32	4907	9	91	63	2	13	1	9	5	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 : **SUCK**
 Tributary of : 26S02 SHANNON (Upper)
 OS Grid Ref of Confluence: M 965 249
 Date(s) Surveyed: 20/10/2009

26/S/07

OS Catchment No: 156

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1974	1978	1980	1983	1984	1987	1992	1996	1999	2000	2002	2005	2008	2009
0030	-	-	-	-	-	-	3-4	4	3-4	4	-	4-5	4	3	-
0050	-	-	-	-	-	-	4	4	4	4-5	-	4-5	4-5	4-5	-
0100	5	5	5	4-5	-	4	4-5	4-5	4-5	4-5	-	4-5	4-5	-	-
0200	-	-	-	-	-	-	4	4	4-5	4-5	-	4-5	4	-	-
0300	5	4	4-5	4	-	4	4	3	4	4	-	4	4	-	4-5
0400	-	-	4	4	-	4	4	4	3	4	-	4	4	-	-
0500	5	4-5	4	4	-	4	4-5	4-5	4	4	-	4-5	4	4	-
0540	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
0550	-	-	-	4	-	4	4	4	4	4	-	-	4	-	-
0600	5	4-5	4-5	4-5	-	4-5	4	4	4	3-4	-	4-5	4	4	-
0650	-	-	-	-	-	-	-	-	4	4	-	3-4	4	4	-
0700	-	-	4-5	5	-	4-5	4-5	4-5	4	4-5	-	4-5	4-5	4	-
0800	5	4	4-5	3-4	-	3-4	3-4	4	3-4	4	-	3-4	4	4	-
0870	-	-	-	-	-	-	-	-	3	3	-	3-4	4	4	-
0900	5	3-4	4-5	4-5	-	4	4-5	4	3-4	4	-	3	4	4	-
1000	-	5	4-5	5	-	4-5	4-5	4	4	4	-	4-5	4-5	-	-
1100	5	5	4-5	4	-	4	4	4	4	4	-	4-5	4-5	4-5	-
1125	-	-	-	-	4	-	4	4	4	4	-	4	4	-	-
1200	5	5	4-5	4-5	4-5	-	4-5	4-5	4	3-4	-	4	4	4	-
1300	-	-	-	4	3-4	-	3-4	3-4	3-4	4	-	4	3	-	-
1400	4	4	4	3	3-4	-	3	3	2-3	2-3	3	3-4	3	3-4	-
1500	4-5	3-4	4-5	3-4	3-4	-	3	3-4	3	3	-	3-4	3	3	-

Assessment: A welcome improvement to highly satisfactory ecological condition was noted at Cloondacarra Bridge (0300), the only site sampled on the Suck in 2009. Good macroinvertebrate diversity and a range of sensitive taxa were characteristic of the site.

Hydrometric Area 26 (2009)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Bridge u/s Lough O'Flynn	157385	280500	32	RN
0050	Bridge d/s Lough O'Flynn	159003	280375	32	RN
0100	Bridge W. of Cloonalis	165281	280859	32	RN
0200	Bridge u/s Castlereia	167305	280261	32	RN
0300	Cloondacarra Bridge	167101	278033	39	RN
0400	Br E. of Willsbrook House	169289	275583	39	RN
0500	Ballymoe Bridge	169822	271964	39	GY
0540	1 km u/s Lough Doo trib	174500	267845	0	RN
0550	500 m d/s Lough Doo trib	175319	267285	40	RN
0600	Donamon Bridge	178917	264887	40	RN
0650	Castlecoote Br	180847	262617	40	RN
0700	Castlestrange Bridge	182015	259394	40	RN
0800	Athleague Bridge	182798	257857	40	RN
0870	N of Gorteenclough	181174	258964	40	RN
0900	Rookwood Bridge	180959	257609	40	RN
1000	Mount Talbot Bridge	181202	252992	40	RN
1100	Ballyforan Bridge	181567	246442	47	RN
1125	Derrycahill Br	182560	242540	47	GY
1200	Bellagill Bridge	184205	234700	47	RN
1300	Ballinasloe Bridge	185755	231114	47	GY
1400	3 km d/s B'nasloe (Pollboy)	187337	229152	47	RN
1500	Correen Ford	190051	225729	47	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	79	6	0	100	44	0	35	0	21	0	0
0050	78	17	0	100	40	3	36	2	9	10	1
0100	72	55	0	100	32	2	54	1	8	3	1
0200	70	58	0	100	33	3	52	1	8	3	1
0300	64	162	0	100	44	2	35	1	6	1	11
0400	61	185	0	100	47	2	33	1	7	1	11
0500	58	362	0	100	53	1	28	1	7	0	9
0550	55	419	0	100	56	1	26	0	7	0	9
0600	53	438	0	100	57	1	26	0	7	0	9
0650	52	584	0	100	63	1	21	0	7	0	8
0700	51	596	0	100	63	1	21	0	7	0	8
0800	50	627	0	100	64	1	20	0	7	0	7
0870	47	629	0	100	64	1	20	0	7	0	7
0900	47	640	0	100	64	1	20	0	7	0	8
1000	46	683	0	100	64	1	19	0	7	0	8
1100	44	1008	0	100	62	2	20	0	7	0	9
1125	42	1071	0	100	63	2	20	0	7	0	8
1200	40	1207	0	100	62	1	21	0	6	0	8
1300	38	1428	0	100	64	2	19	0	7	0	8
1400	38	1437	0	100	64	2	19	1	7	0	8
1500	38	1460	0	100	64	2	19	1	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.

SHIRBD: HYDROMETRIC AREA NO. 26

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 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aghnashannagh Stream	2008	26A11	0.0	3.0	0.0	0.0	0.0	3.0
Ahascragh	2008	26A01	0.0	22.0	3.5	1.5	0.0	27.0
Anaderryboy	2008	26A03	5.3	11.8	0.0	0.0	0.0	17.0
Arigna (Roscommon)	2008	26A02	0.0	0.0	0.0	0.0	18.0	18.0
Ballinure	2009	26B01	0.0	20.0	0.0	0.0	0.0	20.0
Ballymore Stream ¹	2008	26B33	0.0	0.0	0.0	1.0	0.0	1.0
Ballydangan	2009	26B14	0.0	4.2	0.8	0.0	0.0	5.0
Bellavally Stream	2008	26B32	4.0	0.0	0.0	0.0	0.0	4.0
Black (South Leitrim)	2008	26B04	3.3	13.8	0.0	0.0	0.0	17.0
Black (Westmeath)	2008	26B05	0.0	3.5	4.5	7.0	0.0	15.0
Boleybaun Stream	2008	26B30	0.0	5.0	0.0	0.0	0.0	5.0
Boor	2008	26B07	0.0	0.0	13.0	0.0	0.0	13.0
Boyle	2008/09	26B08	0.0	16.5	0.0	0.0	0.0	16.5
Breedoge	2008	26B09	0.0	9.0	0.0	0.0	0.0	9.0
Breensford	2008	26B10	0.0	0.0	3.0	4.0	0.0	7.0
Camlin	2008	26C01	0.0	10.8	20.2	4.1	0.0	35.0
Carricknabraher	2008	26C02	0.0	5.5	0.0	0.0	0.0	5.5
Castlegar	2008	26C03	0.0	0.0	9.0	4.0	0.0	13.0
Clogher (Roscommon)	2008	26C18	0.0	0.0	3.5	3.5	0.0	7.0
Clooncoose Stream	2008	26C20	0.0	7.0	0.0	0.0	0.0	7.0
Cloone	2008	26C05	8.5	5.0	3.0	0.0	0.0	16.5
Clooneigh	2008/09	26C06	0.0	8.0	0.0	0.0	0.0	8.0
Cloonfower Stream	2008	26C21	0.0	0.0	4.5	0.0	0.0	4.5
Comoge	2008	26C12	0.0	3.0	0.0	0.0	0.0	3.0
Creelaghta	2008	26C22	0.0	4.5	0.0	0.0	0.0	4.5
Cross (Roscommon)	2009	26C10	0.0	2.1	6.3	7.6	0.0	16.0
Cuilleen Stream	2008	26C17	0.0	0.0	5.0	0.0	0.0	5.0
Curraghroe Stream	2008	26C15	0.0	0.0	0.0	5.5	0.0	5.5
Derryhippo	2009	26D01	0.0	0.0	0.0	10.5	0.0	10.5
Derrymullan Stream	2008	26D07	0.0	11.5	0.0	0.0	0.0	11.5
Derrynananta Stream	2008	26D23	0.0	0.0	4.0	0.0	0.0	4.0
Diffagher	2008	26D02	0.0	5.0	0.0	0.0	0.0	5.0
Drumshanbo Stream ¹	2008	26D05	0.0	0.0	0.0	0.5	0.0	0.5
Dungolman	2008	26D06	0.0	0.0	14.0	0.0	0.0	14.0
Eslin	2008	26E01	0.0	0.0	18.5	2.5	0.0	21.0
Fallan	2008	26F01	0.0	0.0	16.5	0.0	0.0	16.5
Fardrumman Stream	2008	26F06	0.0	0.0	2.0	0.0	0.0	2.0
Feorish (Ballyfarnan)	2008	26F02	20.0	6.5	0.0	0.0	0.0	26.5
Feorish (Tarmonbarry)	2008	26F03	0.0	0.0	0.0	10.0	0.0	10.0
Francis	2008	26F05	13.5	0.5	0.0	0.0	0.0	14.0
Gaine	2008	26G01	0.0	0.0	8.7	0.9	0.0	9.5
Glore (Westmeath)	2008	26G02	0.0	0.0	8.5	3.5	0.0	12.0
Hind	2008	26H01	0.0	0.0	3.5	7.0	0.0	10.5
Inny	2008/09	26I01	0.0	34.5	44.0	3.1	0.0	81.5
Island	2008	26I03	9.5	9.5	0.0	0.0	0.0	19.0
Jiggy (Hind)	2008/09	26J01	0.0	0.0	0.0	0.0	3.0	3.0
Kiltaclare Stream	2008	26K06	0.0	5.0	0.0	0.0	0.0	5.0
Killadiskert Stream	2008	26K16	0.0	2.0	0.0	0.0	0.0	2.0
Killeglan	2008	26K04	0.0	3.0	0.0	0.0	0.0	3.0
Killian	2008	26K01	0.0	15.0	0.0	0.0	0.0	15.0
Killukin	2008	26K02	0.0	2.7	1.9	4.5	0.0	9.0
Kilmacricard	2008	26K17	0.0	2.0	0.0	0.0	0.0	2.0

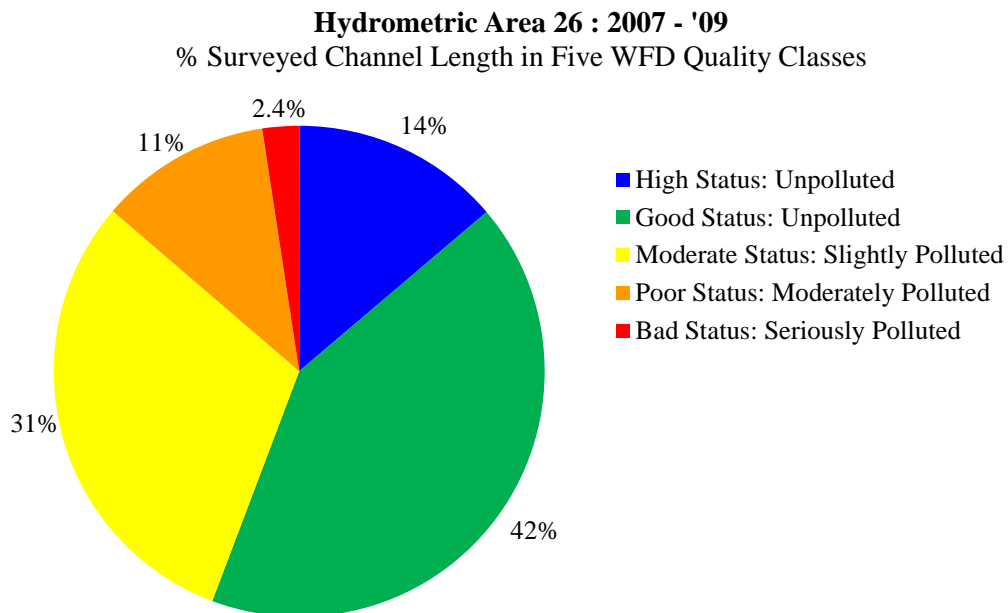
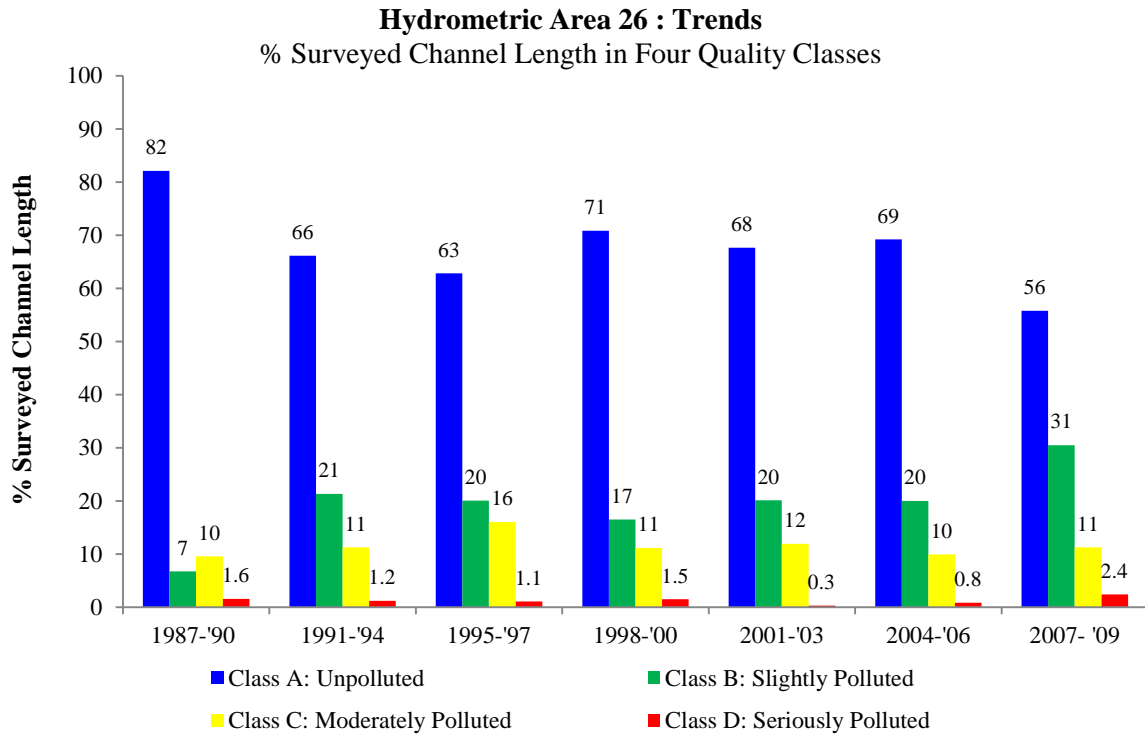
Hydrometric Area 26 (2009)

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Kilmaotranny	2008	26K03	0.0	3.0	0.0	0.0	0.0	3.0
Kinard	2008	26K07	0.0	6.0	0.0	0.0	0.0	6.0
Laurencetown Stream	2009	26L07	0.0	0.0	0.0	2.6	3.9	6.5
Lenamore Stream	2008	26L06	0.0	8.0	0.0	0.0	0.0	8.0
Lisdaly Stream	2008	26L02	0.0	0.0	9.0	0.0	0.0	9.0
Lissaphobble	2008	26L04	0.0	9.0	0.0	0.0	0.0	9.0
Lissydaly Stream	2008	26L10	8.3	6.8	0.0	0.0	0.0	15.0
Lung	2008	26L03	8.0	13.0	0.0	0.0	0.0	21.0
Mantua Stream	2008	26M13	0.0	2.0	0.0	0.0	0.0	2.0
Mountain (Roscommon)	2008	26M03	0.0	0.0	2.0	0.0	0.0	2.0
Mountnugent	2008	26M02	0.0	0.0	16.0	1.0	0.0	17.0
Mullenmeehan Stream	2008	26M12	0.0	0.0	7.0	0.0	0.0	7.0
Owengar (Leitrim)	2008/09	26O02	0.0	1.5	1.0	2.5	3.0	8.0
Owenmore (Glengevin)	2008	26O03	0.0	0.0	11.0	0.0	0.0	11.0
Owennaforeesha	2008	26O04	0.0	2.5	4.5	0.0	0.0	7.0
Owennayle	2008	26O05	0.0	3.5	5.5	0.0	0.0	9.0
Owenur	2008	26O06	0.0	16.5	0.0	0.0	0.0	16.5
Rath	2008	26R01	0.0	0.0	14.0	0.0	0.0	14.0
Relagh	2008	26R05	8.5	0.5	0.0	0.0	0.0	9.0
Rhine	2008	26R04	0.0	5.0	2.0	1.5	0.0	8.5
Rinn	2008	26R02	0.0	0.0	10.0	3.5	0.0	13.5
Rocksavage	2008	26R07	0.0	0.0	0.0	1.5	0.0	1.5
Scramoge	2008	26S01	0.0	19.0	0.0	1.5	0.0	20.5
Shad Lough Stream	2009	26S13	0.0	1.0	0.0	0.0	0.0	1.0
Shannon (Upper)	2008	26S02	25.8	28.5	35.8	13.5	0.0	103.5
Shiven (South)	2008	26S03	6.8	12.8	6.5	2.5	0.0	28.5
Smaghraan	2008	26S04	0.0	0.0	0.0	12.0	0.0	12.0
Springfield	2008	26S05	0.0	10.0	0.0	0.0	0.0	10.0
Strokestown	2008	26S08	0.0	2.0	1.5	2.5	0.0	6.0
Suck	2008	26S07	37.3	62.8	9.5	6.5	0.0	116.0
Tang	2008	26T03	0.0	0.0	0.0	0.0	0.0	0.0
Termon Stream	2008	26T03	0.0	1.5	0.0	0.0	0.0	1.5
Yellow (Ballinaglera)	2008	26Y01	0.0	4.5	7.5	0.0	0.0	12.0
Yellow (Castlepollard)	2008	26Y02	0.0	0.0	11.0	0.0	0.0	11.0
Total Length (km) surveyed this cycle	2008 - '09		158.5	471.0	351.5	131.6	27.9	1140.5
Adjustments (See below)*			0.0	-11.0	1.0	2.0	0.0	-8.0
Percentages			13.8	42.0	30.5	11.3	2.4	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline: Current Adjusted Status (km)	2007 - '09			640.5	350.5	129.6	27.9	1148.5
Percentages				55.8	30.5	11.3	2.4	100.0
Baseline: Previous Unadjusted Status (km)**	2004 - '06			795.5	229.5	114.0	9.5	1148.5
Percentages				69.3	20.0	9.9	0.8	100.0
Baseline : Current Adjusted Status (km)				-155.0	121.0	15.6	18.4	0.0

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

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



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
GLENDINE (CLARE)	28G02
INAGH (ENNISTYMON)	28I01
KILDEEMA	28K01
SRUHAUNAKIT STREAM *	28S04
TULLAGOWER STREAM	28T01

- * 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: 7/9/2009, 9/9/2009

28/A/01
 OS Catchment No: 148

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1984	1986	1988	1991	1997	2000	2003	2006	2009
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
0300	3-4	3	3-4	3	3-4	-	2-3	4	4	3-4
0400	4	3-4	4	4	4	3-4	3	3-4	4	3-4

Assessment: The Aille (Clare) River was in satisfactory condition at the upper site surveyed (0200) in 2009, however a disappointing drop in ecological condition was recorded at the lower sites (0300 & 0400), downstream of Lisdoonvarna WWTP.

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: 9/9/2009

28/A/02
 OS Catchment No: 152

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1983	1988	1991	1997	2000	2003	2006	2009
0010	-	-	-	4-5	3-4	3-4	4	3-4	3-4
0050	-	-	4-5	4	4	3-4	3	4	-
0100	5	5	5	4-5	-	-	-	-	4-5
0200	5	5	5	4-5	4-5	4-5	4	4	-
0300	4	4	4-5	4-5	-	-	-	3-4	4
0400	-	-	4	4-5	4	4	4	-	-

Assessment: The upper site surveyed on the Annageeragh (0010), upstream of Doo Lough remained in unsatisfactory ecological condition. However, the downstream sites at 0100 and 0300 were found to be of good to high ecological condition. The Doo Lough Water Treatment Works is located upstream of Station 0100.

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: 8/9/2009, 15/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0200	4	4	4	4-5	4	3	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

Assessment: The uppermost site on the Annagh (0200) remains in unsatisfactory condition, with low macroinvertebrate taxa numbers recorded in 2009. The lower site (0900) has retained good ecological condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Drehiddenagh	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: 15/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0200	4	4	4	4	4	3	-
0500	4-5	4	-	-	-	-	-
0700	4-5	4	5	4	4-5	4-5	4-5

Assessment: The lower section of the Aughaglanna at station 0900 remains in highly satisfactory ecological condition in 2009.

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: 9/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0300	4	4-5	4	4	4	4	-
0500	3	3-4	-	-	-	-	-
0600	4	3	4	3	3-4	3-4	4

Assessment: A welcome improvement to satisfactory ecological condition was recorded at Ballynabean Bridge (0600) on the Aughaveema in 2009.

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: 8/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0300	4	3	4	4	4	4	-
0500	4-5	3-4	3-4	4	4	3-4	4

Assessment: Despite flood conditions, good ecological conditions were recorded on the Ballinphonta at 0500 in 2009, a welcome improvement from the moderate pollution noted in 2006.

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**

28/B/02

Tributary of : 28I01 INAGH (ENNISTYMON)

OS Catchment No: 149

OS Grid Ref of Confluence: R 123 887

Date(s) Surveyed: 8/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0100	3-4	3-4	3-4	-	-	-	-
0110	-	3-4	-	-	-	-	-
0300	-	-	4	-	-	-	-
0400	-	3	-	4	3/0	4	4
0500	4	-	-	-	-	-	-
0600	4-5	2-3	-	-	-	-	-

Assessment: The improvement in ecological condition recorded in the lower Ballymacravan in 2006 has been maintained in 2009.

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: 7/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0100	5	5	-	-	-	-	-
0200	5	5	5	5	4-5	4-5	4-5
0300	5	5	-	-	-	-	-

Assessment: The Caher catchment is almost entirely within the Black Head, Poulsallagh complex SAC and is itself a unique river being almost the only river that flows all year round in the Burren area. It is characterised by large numbers of *Dinocras*. High ecological condition was maintained in the Caher in 2009, a situation prevailing for over twenty years of sampling. As noted in previous reports on this river, extreme care is required in the catchment to ensure that the highly unusual ecology of this calcareous river is protected.

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: 17/9/2009

Previously reported as part of the Creegh 28C02

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0400	4	4-5	4-5	4-5	4	4-5	4

Assessment: Despite good ecological conditions recorded in the Castlepark in 2009, abundance of silt remains an issue here, with cattle access a contributory factor.

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: 17/9/2009

Previously reported as part of the Creegh 28C02

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	2000	2003	2006	2009
1100	4	4	4-5	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions prevail on the Clooneenagh in 2009.

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: 8/9/2009

28/C/05
 OS Catchment No: 149

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0300	4-5	5	-	3-4	4-5	n/s	-
0400	-	-	4	-	-	-	-
0500	4	4	-	4	4	4	4*

Assessment: Despite torrential water velocity affecting taxa numbers, good ecological conditions prevailed on the Cooleen in 2009.

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**
 Tributary of :
 OS Grid Ref of Confluence: Q 984 672
 Date(s) Surveyed: 17/9/2009

28/C/02
 OS Catchment No: 153

Station Nos.	Biological Quality Ratings (Q Values)								
	1979	1985	1988	1991	1997	2000	2003	2006	2009
0100	-	4	4	3-4	4	4	4	-	4
0200	4-5	4	-	-	-	-	-	-	-
1300	-	-	3	4-5	4	4	4	-	-
1400	-	-	4	4	4	4	3-4	4	4
1600	-	-	4-5	4	-	-	-	-	-
1700	-	-	4-5	4	4	4	4	4	4

Assessment: Good ecological conditions were maintained at all sites sampled on the Creegh in 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 Greygrove	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: 8/9/2009

28/D/01
 OS Catchment No: 149

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1986	1988	1991	1997	2000	2003	2006	2009
0040	-	-	3-4	4	4	3	4	4	4
0100	5	4	3-4	4-5	-	-	-	-	-
0200	4	4-5	4	4-5	4	4	3-4	4	-
0300	5	4-5	4	4-5	-	-	-	-	-
0350	-	-	-	-	4	3-4	4	4	4
0400	5	4	4	4-5	-	-	-	-	-

Assessment: Despite flood conditions, good ecological condition was maintained at all sites sampled on the Dealagh in 2009.

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: 16/9/2009

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
0010	-	-	-	-	-	3-4	-	-	-	-	-
0100	-	-	-	4	4	3-4	4	4	-	4	-
0200	-	-	4-5	4	-	-	-	-	-	-	-
0300	-	-	-	-	4	4	4	4	4	n/s	-
0330	-	-	-	-	3-4	5	-	-	-	-	4
0400	-	-	4-5	3-4	4	4-5	-	4-5	4	4-5	-
0500	-	-	-	-	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
0700	4	4-5	4-5	3-4	4	4	-	-	-	-	-
0725	-	-	-	-	4	4	4	4-5	4-5	-	4
0750	-	-	-	-	4	-	-	-	-	-	-
0770	-	-	-	-	-	-	4	4-5	3-4	4	4
0890	-	-	-	-	3-4	3	-	-	-	-	-

Assessment: The Doonbeg was in overall satisfactory ecological condition at all five sites surveyed in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br u/s Main Channel	0	0	0	CE
0100	Sorrel Island Bridge (South)	116745	167600	0	CE
0200	Bridge E. of Greystone	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

Hydrometric Area 28 (2009)

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 : **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: 17/9/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1988	1991	1997	2000	2003	2006	2009
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
0300	-	-	4-5	-	-	-	-	-	-

Assessment: Good ecological condition was recorded on the Glendine at Knockloskeraun Bridge (0200) in 2009.

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: 15/9/2009

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1975	1979	1985	1988	1991	1997	2000	2003	2006	2009
0100	-	-	5	5	4-5	4-5	5	4-5	4	4	4
0150	-	-	-	-	-	4-5	-	-	-	-	-
0200	-	5	5	5	4-5	4	4	4	4	4-5	4
0210	-	-	-	-	-	-	-	-	-	-	4
0250	-	-	-	-	3-4	4	-	-	-	-	-
0300	5	4-5	4-5	4-5	4	4	4	4	4	4-5	-
0400	5	4-5	4-5	4-5	4-5	4-5	-	-	-	-	-
0450	-	-	-	-	-	-	4	3	4	4	4
0510	3-4	1-2	-	-	3	3	-	-	-	-	-
0520	-	-	-	-	3-4	-	-	-	-	-	-

Assessment: Good ecological conditions were recorded at all stations on the Inagh in 2009, although a slight drop in quality was noted in the middle reach (0200) with increased numbers of pollution tolerant taxa noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Crow's 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: 17/9/2009

28/K/01

OS Catchment No: 150

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2003	2006	2009
0500	4-5	4-5	4	4	4	3-4	-
0600	5	5	-	-	-	-	-
0800	4-5	4-5	4	4	4-5	4	4

Assessment: Good ecological condition was maintained at Station 0800 on the Kildeema in 2009.

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 : **SRUHAUNAKIT STREAM** **28/S/04**
 Tributary of : 28A02 ANNAGEERAGH OS Catchment No: 152
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 9/9/2009

Previously reported as part of the Annageeragh 28A02

Station Nos.	Biological Quality Ratings (Q Values)				
	1988	1991	2000	2003	2009
0500	5	-	3	-	-
0600	5	4	-	4	4

Assessment: Good ecological condition was maintained on the Sruhaunakit in 2009.

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.

River and Code : **TULLAGOWER STREAM**

28/T/01

Tributary of : 28D02 DOONBEG

OS Catchment No: 154

OS Grid Ref of Confluence:

Date(s) Surveyed: 16/9/2009

Biological Quality Ratings (Q Values)

Station Nos. **2009**
0400 3-4

Assessment: Unsatisfactory ecological conditions were recorded on the Tullagower in 2009, with low taxa numbers noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge at R 05194 59716	105194	159715	0	

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 2007-2009.

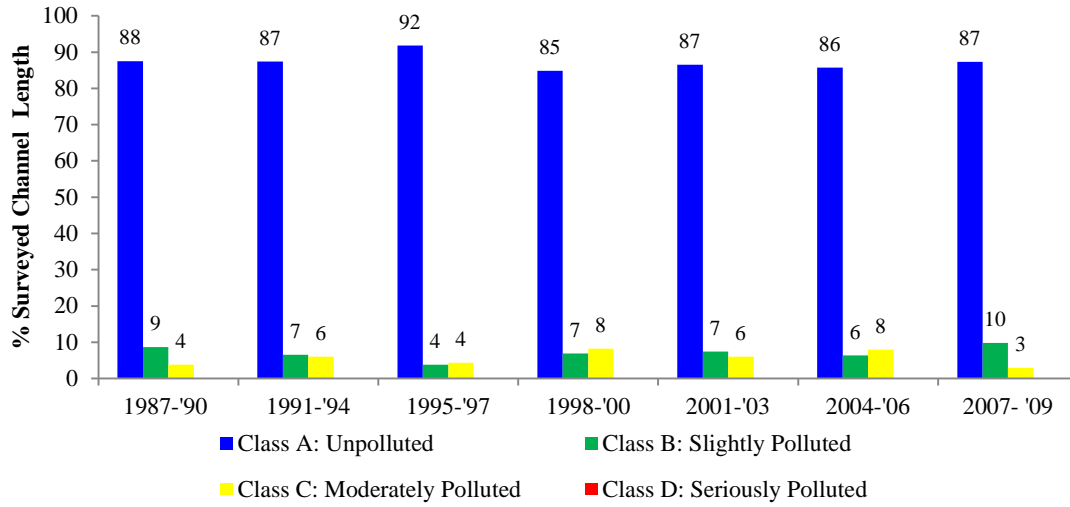
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aille (Clare)	2009	28A01	0.0	5.8	5.2	0.0	0.0	11.0
Annageeragh	2009	28A02	4.4	8.7	2.5	0.0	0.0	15.5
Annagh (Clare)	2009	28A03	0.0	7.1	2.5	1.4	0.0	11.0
Aughaglanna	2009	28A06	2.9	0.0	1.7	0.9	0.0	5.5
Aughaveema	2009	28A04	0.0	11.0	0.0	0.0	0.0	11.0
Ballinphonta	2009	28B03	0.0	4.0	0.0	0.0	0.0	4.0
Ballymacravan	2009	28B02	0.0	5.0	0.0	0.0	0.0	5.0
Caher (Clare)	2009	28C01	4.5	0.0	0.0	0.0	0.0	4.5
Castlepark Stream	2009	28C09	0.0	3.0	0.0	0.0	0.0	3.0
Cloonenagh Stream	2009	28C08	3.0	0.0	0.0	0.0	0.0	3.0
Cooleen	2009	28C05	0.0	4.0	0.0	0.0	0.0	4.0
Creagh	2009	28C02	0.0	14.0	0.0	0.0	0.0	14.0
Dealagh	2009	28D01	0.0	11.0	0.0	0.0	0.0	11.0
Doonbeg	2009	28D02	0.0	35.0	0.0	0.0	0.0	35.0
Glendine (Clare)	2009	28G02	0.0	5.5	0.0	0.0	0.0	5.5
Inagh (Ennistymon)	2009	28I01	0.0	24.0	0.0	0.0	0.0	24.0
Kildeema	2009	28K01	0.0	5.0	2.5	0.0	0.0	7.5
Kilmihil Stream ¹	2007	28K02	0.0	0.0	0.0	8.5	0.0	8.5
Sruhaunakit Stream	2009	28S04	0.0	1.0	0.0	0.0	0.0	1.0
Total Length (km) surveyed this cycle	2007/09		14.8	144.1	14.3	10.8	0.0	184.0
Adjustments (km) (See below)*			0.0	0.0	-3.5	5.5	0.0	2.0
<i>Percentages</i>			8.1	79.2	9.8	2.9	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		158.9	17.8	5.3	0.0	182.0	
<i>Percentages</i>			87.3	9.8	2.9	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		156.0	11.5	14.5	0.0	182.0	
<i>Percentages</i>			85.7	6.3	8.0	0.0		
Changes since Previous Survey (km)			2.9	6.3	-9.2	0.0	0.0	

*Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Kiltumper Stream (28K10), Freagh (28F01) were not surveyed while Kilmihil Stream (28K02) was added into the programme.

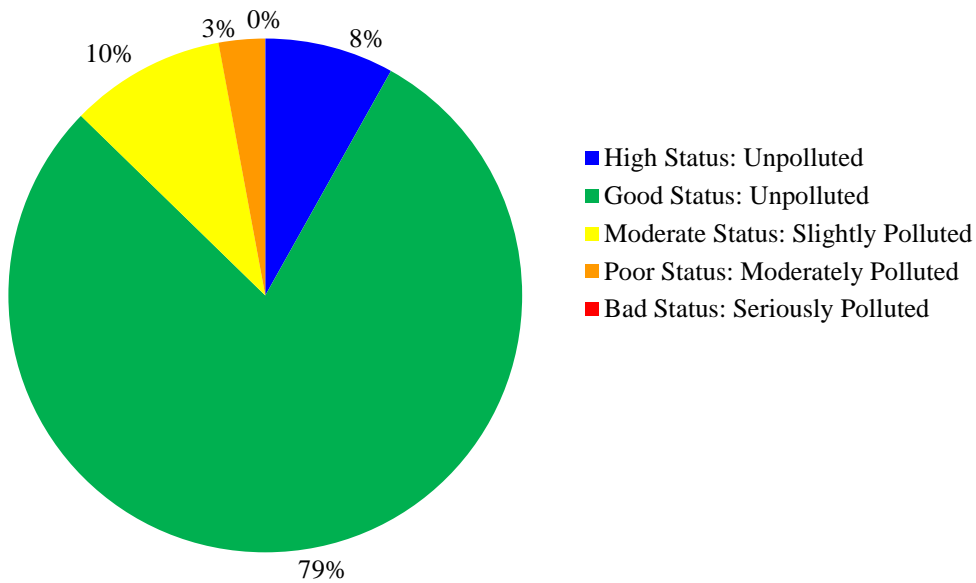
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 28 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 28 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



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

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

* 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: 31/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0200	4	-	-	4	4	-	-
0300	2-3	3	4	3-4	3-4	4	4

Assessment: Satisfactory ecological conditions continued in the Ballymabilla, a tributary of the Raford, in 2009.

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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4-5	4-5	4	4	4	4	4-5

Assessment: The Beagh River is the main Lough Cutra outflow and a welcome return to high ecological status was recorded in 2009.

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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	5	-	5	4-5	5	5	-
0200	5	5	-	-	-	-	-
0300	-	-	5	5	5	4-5	-
0400	5	4-5	-	4-5	4-5	-	-
0500	4-5	-	-	-	-	-	-
0600	3	4	-	-	-	-	-
0800	5	4	4	4	4-5	4-5	4

Assessment: The Boleyneendorrish River has been of particularly good quality since surveys started here in 1989. The upland part of the Boleyneendorrish River catchment on old red sandstone bedrock is quite heavily forested on peat while the lower part of the catchment is grassland in a karst limestone region. A slight decline from high to good ecological quality was noted in 2009, due to the absence of pollution-sensitive stoneflies.

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: 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1989	1994	1997	2000	2003	2006	2009
0100	5	4	4	4	-	4	4	4	4
0200	3-4	4	3	3-4	4-5	4	4	3	4

Assessment: A welcome return to satisfactory ecological condition was noted at both sides surveyed on the Cannahowna River when surveyed in 2009.

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: 1/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0900	-	-	3-4	3	3	3	3-4
1000	3-4	4	-	3	3-4	-	3-4
1400	-	-	-	-	4	4	-
1500	4	-	-	-	-	-	-
1700	4	4	-	4	4	-	4
2000	4-5	3-4	-	4	4	4	4

Assessment: An improvement to moderately polluted conditions was noted in the upper Carra (0900) in 2009 while satisfactory ecological condition was maintained in the lower sections (1700, 2000) before it joins the Toberdoney.

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**

29/C/02

Tributary of : Sea - Galway Bay

OS Catchment No: 144

OS Grid Ref of Confluence: M 413 200

Date(s) Surveyed: 31/8/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1980	1982	1984	1986	1989	1994	1997	2000	2003	2006	2008	2009
0030	-	-	-	-	3-4	-	4-5	-	-	-	-	-
0035	-	-	-	-	-	4	-	-	-	-	-	-
0040	-	-	-	-	3	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
0400	3	-	-	3	3-4	-	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: There has been no change in the Clarinbridge River in 2009, with the upper reach (0040) in satisfactory ecological condition but remaining seriously polluted downstream of Athenry (0300) and continuing moderately polluted to the sea in Clarinbridge (0400, 0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br at Lisdoran	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**

29/K/01

Tributary of : Sea - Dunbulvaun Bay

OS Catchment No: 145

OS Grid Ref of Confluence: M 417 184

Date(s) Surveyed: 17/12/2009, 21/10/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1983	1986	1989	1994	1997	2000	2003	2006	2009
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
0280	-	-	-	-	-	-	-	3-4	-	-	-	-	-
0300	4-5	-	-	4	4	4	4	-	3-4	4	4	-	4
0400	4-5	5	4	4	4	4	4	4	3	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: An unwelcome decline to moderately polluted conditions was noted in the upper Kilcolgan River (0200) - this site is impacted by sewage discharges. The middle section (0300, 0400) remains in satisfactory ecological condition but eutrophication persists in the lower section (0600).

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: 20/10/2009

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

Assessment: The Knocknarabena River is a tributary of the Owendalulleegh. Ecological condition remains highly satisfactory here, with a great diversity of sensitive macroinvertebrate species recorded.

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: 21/10/2009

Previously reported as part of the Carra (29C03)

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

Assessment: A welcome improvement to good ecological condition was noted in the Lecarrow Stream, tributary of the Carra Stream, when surveyed in 2009.

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: 20/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1990	1994	1997	2000	2003	2006	2009
0100	-	4-5	-	-	-	-	-	-
0200	-	4-5	-	-	-	-	-	-
0400	-	3-4	-	-	-	-	-	-
0500	5	-	4-5	4-5	4-5	2*	4-5	4-5
0600	5	-	-	-	-	-	-	-
0700	-	-	4-5	4-5	5	3-4*	4-5	-
0800	5	-	-	-	5	4*	n/s	5
0900	-	4-5	4-5	4-5	5	4	5	4-5
1000	-	5	4-5	4-5	4-5	4	4	4-5

Assessment: Highly satisfactory ecological conditions persist at all sites sampled on the Owendalulleegh River in 2009.

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: 2/9/2009

29/R/01
 OS Catchment No: 145

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

Assessment: A welcome improvement to satisfactory ecological condition was noted in the mid - section of the Radford, resulting in good ecological conditions throughout its length in 2009.

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: 1/9/2009, 2/9/2009

29/T/01
 OS Catchment No: 145

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0300	4	3	-	3	3	3-4	3
0500	4	-	4-5	4-5	4	-	-
0700	-	-	3	-	4	4	4

Assessment: A decline to unsatisfactory ecological condition on the upper Toberdoney (0300) was noted in 2009. Unsatisfactory conditions have been recorded here for the past twenty years. However, the lower station (0700) has maintained good quality.

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 2007-2009.

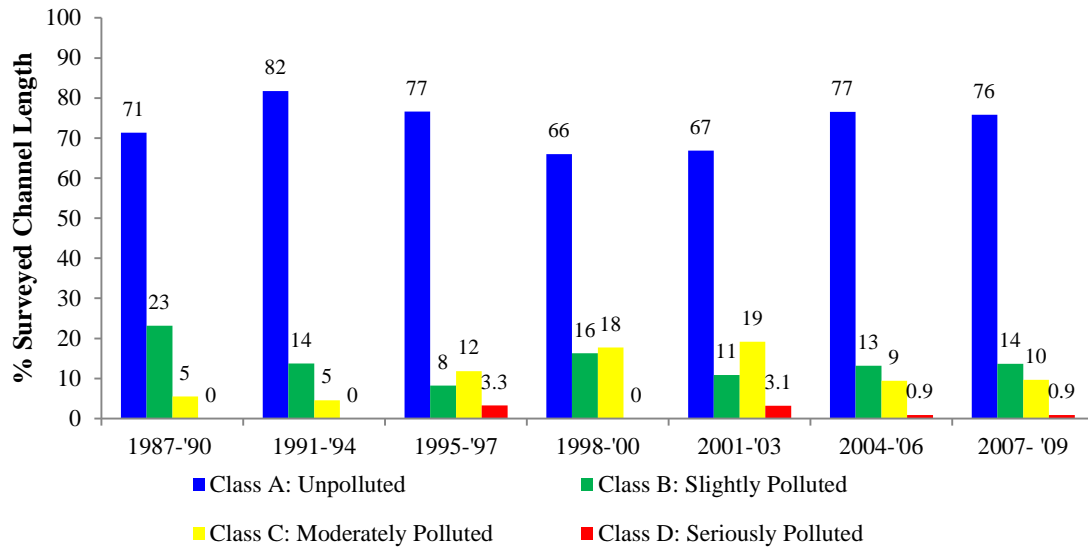
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballymabilla	2009	29B03	0.0	6.5	0.0	0.0	0.0	6.5
Beagh	2009	29B02	3.5	0.0	0.0	0.0	0.0	3.5
Boleyneendorish	2009	29B04	16.5	1.0	0.0	0.0	0.0	17.5
Cannahowna	2009	29C01	0.0	4.0	0.0	0.0	0.0	4.0
Carra Stream	2009	29C03	0.0	10.9	8.2	0.0	0.0	19.0
Clarinbridge	2009	29C02	0.0	13.5	0.0	11.0	1.5	26.0
Kilcolgan	2009	29K01	0.0	9.8	11.7	0.0	0.0	21.5
Knocknarebana	2009	29K04	3.5	0.0	0.0	0.0	0.0	3.5
Lecarrow Stream	2009	29L01	0.0	4.0	0.0	0.0	0.0	4.0
Owendalulleegh	2009	29O01	22.5	0.0	0.0	0.0	0.0	22.5
Raford	2009	29R01	0.0	35.0	0.0	0.0	0.0	35.0
Toberdoney	2009	29T01	0.0	2.1	4.0	5.9	0.0	12.0
Total Length (km) surveyed this cycle	2009		46.0	86.8	23.9	16.9	1.5	175.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			26.3	49.6	13.6	9.7	0.9	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		132.8	23.9	16.9	1.5	175.0	
<i>Percentages</i>			75.9	13.6	9.7	0.9	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		134.0	23.0	16.5	1.5	175.0	
<i>Percentages</i>			76.6	13.1	9.4	0.9	100.0	
Changes since Previous Survey (km)			-1.3	0.9	0.4	0.0	0.0	

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

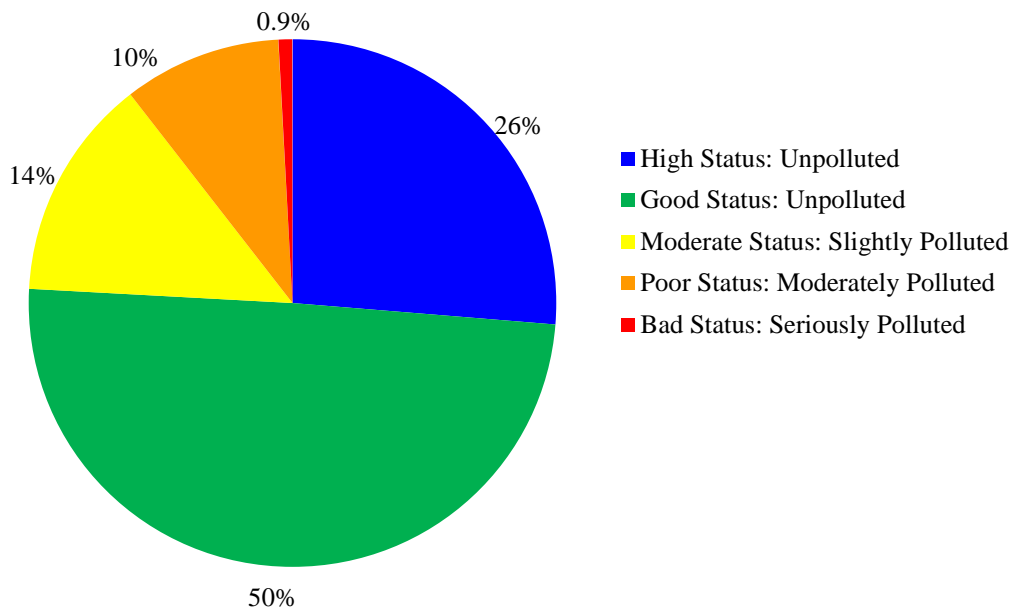
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 29 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 29 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



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
CORRIB	30C02
CREGG	30C03
DALGAN	30D01
DOOGHTA	30D02
DRIMNEEN	30D03
FAILMORE	30F01
FINNY	30F03
FOOEY	30F02
GLENGAWBEG	30G06
GLENNAMUCKA STREAM *	30G04
GLENSAUL	30G01
GORTGARROW STREAM *	30G05
GRANGE (GALWAY)	30G02
HEADFORD STREAM	30H01
JOYCE'S	30J01
KNOCKAUNRANNY STREAM	30K02
LEVALLY STREAM *	30L07
LOUGH NACORRALEA STREAM	30L03
LOUGHKIP	30L01
NANNY (TUAM)	30N01
OWENBRIN	30O01
OWENRIFF (CORRIB)	30O02
OWENWEE (CORRIB)	30O03
ROBE	30R01
SCARDAUN	30S04
SINKING	30S01
SRAH STREAM	30S02
SRAHNALONG	30S03
TERRYLAND	30T01
TULLAGHAUN	30T03
YELLOW (SINKING) *	30Y01

HYDROMETRIC AREA 30 (Corrib)

- * 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: 23/7/2009

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
0028	-	-	-	-	-	-	-	4	3-4	-	-	4
0070	-	-	-	-	-	-	4	4	3-4	4	4	-
0100	-	-	4-5	5	4	4	4	4	4	3-4	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
0400	-	-	4-5	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

Assessment: The upper sites surveyed (0028, 0100) were again satisfactory in 2009 but the lower two sites (0300, 0400) showed definite signs of eutrophication. In relation to an apparent decline of Crayfish they were only found in the upper reaches (0028) in 2009.

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	Killaclogher 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: 9/10/2009

30/A/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1994	1996	2000	2003	2006	2009
0100	4	4-5	4	4-5	4	4	4	4

Assessment: The Aghinish River is the main outflow from Lough Carra and flows into Lough Mask. Satisfactory ecological conditions were maintained in 2009.

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: 20/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1989	1993	1996	2000	2003	2006	2009
0010	3-4	4-5	4-5	3	4-5	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	-
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

Assessment: Unsatisfactory ecological conditions persist on the upper Aille (0010) in 2009. This is a remote mountain area with upland blanket bog, sheep grazing, mature forestry plantations and clear-felled regions in the catchment. Extensive algal growths have been a feature of this site for almost ten years. The remainder of the river, particularly the middle reaches, are of satisfactory ecological condition, a situation that has remained virtually unchanged for almost thirty years of surveying the catchment.

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 Killawullaun	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: 21/7/2009, 28/7/2009

30/B/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1979	1986	1989	1994	1996	2000	2003	2006	2009
0100	-	3-4	3	3	1-2	2-3	3/0	3	2-3
0200	3	3-4	2-3	2-3	2-3	3-4	2-3	3-4	3-4

Assessment: The Ballindine River has been in a consistently polluted state since surveys began in 1979, thirty years ago. Eutrophication is present at both sites, both upstream and downstream of Ballindine sewage treatment works.

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 : **BALLYCURKE**

30/B/14

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 241 332

Date(s) Surveyed: 27/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0100	3-4	3-4	3	3	3	3	3

Assessment: Ballycurke has been in a consistently polluted state since surveys began twenty years ago. No change was noted in the status of the Ballycurke River in 2009 which is sampled at the outflow point of Ballycurke Lake, and is impacted by Moycullen sewage discharges.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Railway Br d/s Ballycurke 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: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1985	1989	1994	1996	2000	2003	2006	2009
0050	-	-	-	-	-	-	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

Assessment: Satisfactory ecological conditions have been maintained at both sites sampled on the Bealanabrack in 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: 9/10/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1980	1984	1989	1994	1997	2000	2003	2006	2009
0100	-	3-4	3-4	3-4	3-4	4	3-4	4	4	4
0200	4-5	4-5	4	4-5	4-5	4-5	4	4-5	4	4-5
0300	4-5	4-5	3	3-4	3-4	4	4	3-4	4	4
0600	-	-	4	4	4	-	4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained at all four sites sampled on the Black in 2009. A slight increase in quality was noted at the Bridge in Shrule (0200).

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: 27/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0100	4-5	4-5	4	3-4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Bunowen in 2009.

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**

30/C/04

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref of Confluence: L 996 568

Date(s) Surveyed: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1994	1996	2000	2003	2006	2009
0100	5	5	4-5	5	4	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions were recorded in the Cammanagh in 2009, a situation unchanged in almost twenty-five years of surveying this river.

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: 8/10/2009, 14/9/2009, 19/10/2009, 22/7/2009

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1975	1977	1978	1979	1980	1982	1985	1989	1992	1993	1994	1996	1997	1998	1999	2000	2002	2003	2005	2006	2008	2009
0100	4-5	4	-	4	-	-	4	-	3-4	4	-	3	-	3-4	-	-	-	3-4	-	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
0650	3	3	3-4	4	-	4	3-4	3	3	2-3	-	3	-	3	-	-	-	4	-	3-4	-	4	-	3-4
0700	3-4	3	3-4	4	-	4	4	4	3	3-4	-	3	-	3	-	-	-	3-4	-	4-5	-	4	-	3-4
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
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
1100	-	-	-	-	-	-	4	-	3-4	4	-	3-4	-	3-4	-	-	-	3	-	4	-	4	-	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: Half of the sites surveyed on the Clare in 2009 were found to be of unsatisfactory ecological quality. With the exception of Ballygaddy Bridge (0500), the upper reaches are moderately polluted, with a lack of sensitive macroinvertebrate taxa present. Downstream of Corrofin, conditions are satisfactory, showing an improving trend towards Lough Corrib. The groundwater-surface water interactions along the length of the Clare River may be important in explaining the changes in surface water quality observed as these are not easily pinned down to identifiable point sources.

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	100 m d/s Weir Br (LHS)	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 (2009)

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: 15/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	2000	2003	2006	2009
0400	3	3-4	2-3	3	3	3	3
0700	4-5	4	4	4	4	3	4

Assessment: Unsatisfactory ecological conditions were recorded once more in the upper Claureen (0400), a situation unchanged in twenty years of surveying the river. A welcome improvement to good ecological condition was noted downstream at Claureen Bridge (0700).

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: 16/12/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1993	1996	2000	2003	2006	2009
0100	3-4	3-4	4	3	3-4	3-4	3	3-4
0200	4-5	4	4-5	3-4	4	3	-	4

Assessment: Unsatisfactory ecological conditions were recorded once again in the upper reaches of Cloondaver Stream in 2009, a situation virtually unchanged in over twenty five years of surveying. A welcome return to satisfactory conditions was noted in the lower site (0200). This is an important tributary of Lough Carra, being one of the relatively few trout spawning and nursery streams flowing into the lake and it is vital that its quality be maintained at a satisfactory level.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Mullingar Bridge	122372	273337	38	MO
0200	Bridge N.E. of Cloondaver	120583	272744	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: 28/7/2009

30/C/11
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1996	2000	2003	2006	2009
0110	4	4	4	4	4	3-4	-
0300	2-3	3-4	3	3	3-4	3-4	3-4

Assessment: Macroinvertebrate fauna continue to indicate unsatisfactory ecological conditions on the Cloonfad in 2009, with a dominance of pollution tolerant taxa recorded.

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**

30/C/06

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 149 545

Date(s) Surveyed: 21/8/2009

Station Nos.	Biological Quality Ratings (Q Values)			
	1997	2000	2003	2009
0250	4-5	4-5	4-5	4

Assessment: Despite flood conditions, satisfactory ecological condition has been maintained in the Cong Canal in 2009.

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 : **CORRIB**
 Tributary of : Sea - Galway Bay
 OS Grid Ref of Confluence: M 300 246
 Date(s) Surveyed: 19/10/2009

30/C/02
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)						
	1985	1989	1994	1997	2000	2006	2009
0600	4	4	4	4	4	4	4

Assessment: The main Corrib River outflow from Lough Corrib (surveyed at the main weir in Galway City) has remained in satisfactory ecological condition for over twenty five years of EPA river surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Salmon Weir Bridge- Galway	129631	225646	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	6	3119	19	81	42	2	21	1	19	9	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 : **CREGG**
 Tributary of : Lough Corrib
 OS Grid Ref of Confluence: M 297 341
 Date(s) Surveyed: 8/10/2009

30/C/03
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1985	1989	1993	1996	2000	2003	2006	2009
0100	5	4	4	4	4	4	4	4	-
0150	-	-	-	-	-	-	-	-	3-4
0200	4	4	4	4	4-5	4	-	4	-

Assessment: Station 0150 (SW Liscananaun) was added to the Cregg in 2009 as a replacement for station 0200. Unsatisfactory ecological conditions were recorded with a dominance of pollution tolerant taxa noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge near Drumgriffin	135386	237853	46	GY
0150	SW Liscananaun	133756	235955	46	
0200	Bridge S. of Addergoole	132288	234991	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	10	8	0	100	83	0	0	4	13	0	0
0200	7	50	0	100	58	1	20	2	19	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 : **DALGAN**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 432 638
 Date(s) Surveyed: 30/7/2009, 31/7/2009

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
0100	4-5	4	4	4	4	4	4	-	-	4	3-4	4	4	3-4	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
0300	4	3	3	-	2	2-3	3	-	-	3	2-3	3	3-4	3-4	3
0400	4	4	3-4	3	2-3	3	3-4	-	-	3	3	3	4	3-4	4
0500	4	4	3-4	3	3	3-4	3	-	-	3-4	3-4	4	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

Assessment: A welcome return to satisfactory ecological condition was recorded at the upstream site (0100) on the Dalgan in 2009. Pollution persists downstream of Ballyhaunis sewage plant (0200), a situation that has remained unchanged for thirty years of surveying. Satisfactory conditions were recorded at Culnacledha Bridge (0400) and Dalgan Bridge (0600) but moderate pollution was noted at the intermediate stations (0300 & 0500).

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	Culnacledha Bridge	147536	271685	39	MO
0500	Doonmacreeena 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: 21/8/2009

30/D/02
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1994	1997	2000	2003	2006	2009
0100	5	4-5	5	4-5	4-5	4-5	4-5	4-5
0200	5	5	4	4	4-5	4-5	4-5	-

Assessment: Highly satisfactory ecological conditions were recorded on the Dooghta in 2009, a situation virtually unchanged in over twenty-five years of surveying in the catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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.

Hydrometric Area 30 (2009)

River and Code : **DRIMNEEN**

30/D/03

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 157 419

Date(s) Surveyed: 19/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	2000	2003	2006	2009
0600	4-5	4-5	4-5	4-5	4	4	4

Assessment: Satisfactory ecological conditions were recorded in the Drimneen in 2009, a situation unchanged in over twenty years of surveying.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Natural Bridge	114729	240903	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	9	26	68	32	3	11	49	0	20	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 : **FAILMORE** **30/F/01**
 Tributary of : 30B01 BEALANABRACK OS Catchment No: 143
 OS Grid Ref of Confluence: L 974 522
 Date(s) Surveyed: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1985	1989	1994	1996	2000	2003	2006	2009
0100	5	5	5	5	5	4-5	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions were recorded in the Failmore in 2009, a situation unchanged in over twenty-five years of surveying the river.

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.

Hydrometric Area 30 (2009)

River and Code : **FINNY** **30/F/03**
 Tributary of : Lough Mask OS Catchment No: 143
 OS Grid Ref of Confluence: M 018 582
 Date(s) Surveyed: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1993	1996	2000	2003	2006	2009
0100	5	5	4	4-5	4-5	4-5	4	4-5

Assessment: Satisfactory ecological conditions were recorded in the Finny in 2009, a situation unchanged in over twenty-five years of surveying the river.

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.

Hydrometric Area 30 (2009)

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: 13/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1994	1996	2000	2003	2006	2009
0100	5	5	4	5	4-5	3-4	4	4

Assessment: Satisfactory ecological conditions were recorded on the Fooley in 2009, a situation virtually unchanged in over twenty-five years of surveying the river.

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 : 30002 OWENRIFF (CORRIB) OS Catchment No:
OS Grid Ref of Confluence:
Date(s) Surveyed: 22/10/2009

Station Nos.	2006	Biological Quality Ratings (Q Values)	2009
0100	4		4*

Assessment: Although satisfactory ecological conditions have been maintained in the Glengawbeg in 2009, the presence of abundant algae is indicative of slightly eutrophic conditions.

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: 23/7/2009

Previously reported as part of the Abbert 30A01

Station Nos.	Biological Quality Ratings (Q Values)					
	1989	1994	1997	2000	2003	2009
0015	4	4	3-4	3	4	3-4

Assessment: A disappointing return to unsatisfactory ecological condition was recorded in the Glennamucka in 2009. Increased algal abundance and dominance of pollution tolerant macroinvertebrates is indicative of eutrophic conditions.

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: 29/7/2009

30/G/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)				
	1996	2000	2003	2006	2009
0010	3-4	3-4	4	4	4
0250	-	-	4	4-5	4-5

Assessment: Macroinvertebrate fauna continue to indicate satisfactory ecological conditions at both sites sampled on the Glensaul in 2009.

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: 28/7/2009

Previously reported as part of the Sinking 30S01

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1996	2000	2003	2006	2009
0010	-	3-4	2-3	2-3	3	3	-
0025	3-4	3-4	3	4	3-4	4	3-4

Assessment: A disappointing return to unsatisfactory ecological condition was recorded on the Gortgarrow at 0025 in 2009.

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: 24/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1989	1994	1997	2000	2003	2006	2009
0120	-	-	4	4	4	3	4	4	4
0200	3	4	4	3-4	4	4	3	3-4	3-4
0300	5	4	4	3-4	3	4	3-4	4	-
0400	4	4-5	4-5	3-4	3	3-4	3-4	3-4	3-4
0500	4	4	4	3	3-4	4	4	4	4
0700	-	-	-	-	-	-	4	3-4	3

Assessment: Although the Cloonkeen Bridge (0120) and Cahergal Bridge (0500) sites were found to be in satisfactory ecological condition in 2009, the remaining sites sampled were moderately polluted. Excessive algal growth and paucity of sensitive macroinvertebrate taxa characterised these sites.

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 : **HEADFORD STREAM**

30/H/01

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 262 435

Date(s) Surveyed: 19/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1979	1981	1983	1985	1989	1993	1997	2000	2009
0300	3-4	3-4	3	3	3	3-4	3-4	3-4	4

Assessment: A welcome improvement to satisfactory ecological condition was recorded in the Headford Stream in 2009, for the first time in thirty years of surveying the river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br at Lisheennageha	126103	243184	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	9	1	0	100	9	0	0	0	91	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 : **JOYCE'S** **30/J/01**
 Tributary of : 30B01 BEALANABRACK OS Catchment No: 143
 OS Grid Ref of Confluence: L 930 548
 Date(s) Surveyed: 21/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1985	1989	1994	1996	2000	2003	2006	2009
0100	5	5	5	4	-	4	4	3	4
0200	-	-	5	4	4	4	4	3	-

Assessment: A welcome return to satisfactory ecological condition was recorded in Joyce's River in 2009.

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: 27/8/2009

Station Nos.	Biological Quality Ratings (Q Values)			
	2000	2003	2006	2009
0200	4-5	4-5	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Knockaunranny in 2009.

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: 24/7/2009

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
0100	4	4	3	4	4	3-4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Levally Stream in 2009.

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: 16/12/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	2000	2003	2006	2009
0400	4	4	4-5	3-4	4-5	4	4

Assessment: Macroinvertebrate fauna continue to indicate satisfactory ecological conditions on the Lough Nacorralea Stream, which flows from Lough Nacorralea into the Aille River.

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: 27/8/2009

30/L/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1993	1997	2000	2003	2006	2009
0100	-	4	4	4	4	4-5	4	-
0200	4-5	5	4	4-5	4-5	4-5	4	4

Assessment: Satisfactory ecological conditions were recorded on the Loughkip in 2009, a situation unchanged in over twenty-five years of surveying the river.

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.

Hydrometric Area 30 (2009)

River and Code : **NANNY (TUAM)**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 418 529
 Date(s) Surveyed: 17/12/2009

30/N/01
 OS Catchment No: 143

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1975	1979	1981	1983	1987	1989	1990	1991	1994	1997	2000	2003	2006	2009
0100	-	-	-	-	5	5	4	3	-	-	4	-	4-5	4	4-5	-
0300	2	1-2	1	1	1	1	1	1	1	1	2-3	4	4	4	3-4	3

Assessment: Macroinvertebrate fauna continue to indicate unsatisfactory ecological conditions on the Nanny, with a further decline in quality in 2009. A lack of sensitive macroinvertebrate taxa was noted.

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: 6/8/2009

30/O/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1993	1996	2000	2003	2006	2009
0050	-	5*	3*	3-4	4	3-4	3-4	3-4
0200	5	4*	3*	3	3	3	3-4	4

Assessment: Although continuing unsatisfactory ecological conditions were recorded in the upper Owenbrin in 2009, a welcome improvement to good ecological condition was noted upstream of Lough Mask (0200).

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 : **OWENRIFF (CORRIB)**

30/O/02

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 130 435

Date(s) Surveyed: 22/10/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1981	1985	1989	1994	1997	2000	2003	2006	2009
0070	-	-	-	-	-	4	4	4	4	4	4-5	4-5
0100	4-5	4	4	5	4	4-5	4	4	4	4	4-5	4-5
0190	4	4	4-5	4-5	4	3-4	3-4	3-4	4-5	4-5	4	4

Assessment: Satisfactory ecological conditions were recorded along the length of the Owenriff in 2009, a continuation of the long term trend observed in this river, which is home to *Margaritifera margaritifera*. As an SAC the river catchment requires particularly careful management of land use in order to avoid siltation and eutrophication impacting *M. margaritifera* and this important river ecosystem.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	1 km d/s Lough Agraffard	107289	242061	45	GY
0100	1 km u/s Oughterard Bridge	110778	242519	45	GY
0190	Bridge u/s Lough Corrib	112247	243183	45	GY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	33	44	76	24	0	12	62	0	5	6	14
0100	22	63	74	26	1	12	66	0	5	4	11
0190	10	66	72	28	2	12	65	1	5	4	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 : **OWENWEE (CORRIB)**

30/O/03

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref of Confluence: M 014 484

Date(s) Surveyed: 27/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2009
0180	4	4	3	4	4-5	4	4

Assessment: Satisfactory ecological conditions were recorded in the Owenwee in 2009, a continuing long term trend 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.

Hydrometric Area 30 (2009)

River and Code : **ROBE**
 Tributary of : Lough Mask
 OS Grid Ref of Confluence: M 153 658
 Date(s) Surveyed: 21/7/2009, 22/7/2009

30/R/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1977	1980	1982	1985	1987	1989	1994	1996	1997	2000	2001	2003	2006	2009
0015	-	-	-	-	-	-	-	4-5	4	-	3	-	4	4	-
0030	-	-	-	-	-	-	3	3-4	-	4	3-4	-	4	3-4	3-4
0110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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
0310	-	-	-	-	-	-	-	3	-	3	3-4	-	3-4	-	3
0400	5	5	4	4	3-4	3-4	4	3	-	3-4	3	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
0950	-	-	-	-	-	-	-	-	-	4	3	-	4	4	4

Assessment: A general decline was noted in the Robe in 2009. The upper section (Station 0030) was still quite eutrophic due to diffuse losses of silt and nutrients from tillage and grassland farms in the upper Robe. Deteriorations at 0200, 0310 and 0400 are attributed to increased algal and silt abundances and cattle access issues.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br S of Cloonbullan	143566	276981	39	MO
0030	Kilknock 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

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: 28/7/2009

30/S/04
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1996	2000	2003	2006	2009
0100	2-3	3	2-3	4	4	4	4
0500	-	3	3	3	-	3	-

Assessment: Although satisfactory ecological conditions have been maintained in the upper Scardaun (0100) in 2009, cattle access remains an issue at this station.

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**
 Tributary of : 30C01 CLARE (GALWAY)
 OS Grid Ref of Confluence: M 432 638
 Date(s) Surveyed: 30/7/2009

30/S/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1979	1984	1989	1994	1996	2000	2003	2006	2009
0080	-	-	-	-	-	-	3-4	3	4	-	3-4	-
0100	-	-	4-5	4-5	4	4	-	-	-	3-4	-	4
0200	-	-	-	-	4	4	-	-	-	-	-	-
0300	4	5	4	4	4	3-4	3-4	-	3	3-4	2-3	3
0320	-	-	-	-	-	-	4	-	3	4	4	-
0400	-	-	-	-	-	4	4	-	3	-	3-4	3-4

Assessment: While satisfactory ecological conditions are found upstream of Dunmore town (0100), the lower reaches of the Sinking remain unsatisfactory.

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: 29/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1985	1986	1988	1989	1993	1996	2000	2003	2009
0400	5	4/0	4	5	3	4-5	4-5	4-5	4

Assessment: Although satisfactory ecological conditions have been maintained in the Srah in 2009, there has been a slight deterioration in quality, with increased algal abundance.

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: 6/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1989	1993	1996	2000	2003	2006	2009
0100	5	5	4	5	4	4	4	4

Assessment: Although satisfactory ecological conditions have been maintained in the Srahnalong in 2009, increased algal abundance was noted.

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: 19/10/2009

30/T/01
 OS Catchment No: 143

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1984	1989	1994	1997	2000	2003	2006	2009
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

Assessment: Macroinvertebrate fauna continue to indicate unsatisfactory ecological conditions on the Terryland in 2009, with a dominance of pollution tolerant taxa recorded. The Terryland is located in a densely urban part of Galway and flows to an underground outlet as a distributary of the Corrib.

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: 28/7/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1996	2000	2003	2006	2009
0300	4	4	4	4	4	4	4

Assessment: Satisfactory ecological conditions were recorded in the Tullaghaun in 2009, a situation unchanged in twenty years of surveying this Dalgan River 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: 30/7/2009

Previously reported as part of the Sinking 30S01

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1996	2000	2003	2006	2009
0045	3-4	4	3-4*	4	3	4	-
0055	3-4	3-4	4	4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Yellow in 2009.

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 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Abbert	2009	30A01	0.0	17.5	17.5	0.0	0.0	35.0
Aghinish	2009	30A03	0.0	1.5	0.0	0.0	0.0	1.5
Aille (Mayo)	2009	30A02	23.7	2.3	5.6	0.0	0.0	31.5
Ballindine	2009	30B03	0.0	0.0	1.5	2.5	0.0	4.0
Bealanabrack	2009	30B01	0.0	17.0	0.0	0.0	0.0	17.0
Black (Shrule)	2009	30B02	9.0	12.0	0.0	0.0	0.0	21.0
Bunowen (Oughterard)	2009	30B08	0.0	2.0	0.0	0.0	0.0	2.0
Ballycuirke	2009	30B14	0.0	0.0	0.0	0.0	0.0	0.0
Cammanagh	2009	30C04	4.0	0.0	0.0	0.0	0.0	4.0
Clare (Galway)	2009	30C01	5.5	28.9	24.6	0.0	0.0	59.0
Claureen (Mayo)	2009	30C12	0.0	2.0	2.0	4.5	0.0	8.5
Cloondaver Stream North	2009	30C09	0.0	3.0	3.0	0.0	0.0	6.0
Cloonfad	2009	30C11	0.0	0.0	7.0	0.0	0.0	7.0
Cong Canal ¹	2009	30C06	0.0	1.0	0.0	0.0	0.0	1.0
Corrib	2009	30C02	0.0	1.0	0.0	0.0	0.0	1.0
Cregg	2009	30C03	0.0	0.0	11.0	0.0	0.0	11.0
Dalgan	2009	30D01	0.0	14.0	4.3	5.8	0.0	24.0
Dooghta	2009	30D02	10.0	0.0	0.0	0.0	0.0	10.0
Drimneen	2009	30D03	0.0	9.0	0.0	0.0	0.0	9.0
Failmore	2009	30F01	9.0	0.0	0.0	0.0	0.0	9.0
Finny	2009	30F03	3.5	0.0	0.0	0.0	0.0	3.5
Foey	2009	30F02	0.0	4.0	0.0	0.0	0.0	4.0
Glennamucka Stream ¹	2009	30G04	0.0	0.0	3.0	0.0	0.0	3.0
Glensaul	2009	30G01	3.6	5.4	0.0	0.0	0.0	9.0
Gortgarrow Stream	2009	30G05	0.0	0.0	6.0	0.0	0.0	6.0
Grange (Galway)	2009	30G02	0.0	20.0	4.6	1.5	0.0	26.0
Headford Stream ¹	2009	30H01	0.0	6.0	0.0	0.0	0.0	6.0
Joyces	2009	30J01	0.0	6.0	0.0	0.0	0.0	6.0
Knockaunranny Stream	2009	30K02	0.0	3.0	0.0	0.0	0.0	3.0
Levally Stream	2009	30L07	0.0	4.0	0.0	0.0	0.0	4.0
Loughkip	2009	30L01	0.0	6.5	0.0	0.0	0.0	6.5
Lough Nacorralea Stream	2009	30L03	0.0	4.0	0.0	0.0	0.0	4.0
Nanny (Tuam)	2009	30N01	6.5	0.0	0.0	2.0	0.0	8.5
Owenbrin	2009	30O01	0.0	3.0	6.0	0.0	0.0	9.0
Owenriff (Corrib)	2009	30O02	7.0	1.5	0.0	0.0	0.0	8.5
Owenwee (Corrib)	2006	30O03	0.0	6.0	0.0	0.0	0.0	6.0
Robe	2009	30R01	0.0	43.0	11.0	2.6	0.0	56.5
Scardaun	2009	30S04	0.0	2.5	0.0	1.0	0.0	3.5
Sinking	2009	30S01	0.0	10.6	7.4	0.5	0.0	18.5
Srahnalong	2009	30S03	0.0	4.5	0.0	0.0	0.0	4.5
Srah Stream ¹	2009	30S02	0.0	1.5	0.0	0.0	0.0	1.5
Terryland	2009	30T01	0.0	0.0	0.0	2.5	0.0	2.5
Tullaghaun	2009	30T03	0.0	6.0	0.0	0.0	0.0	6.0
Yellow (Sinking)	2009	30Y01	0.0	9.0	0.0	0.0	0.0	9.0

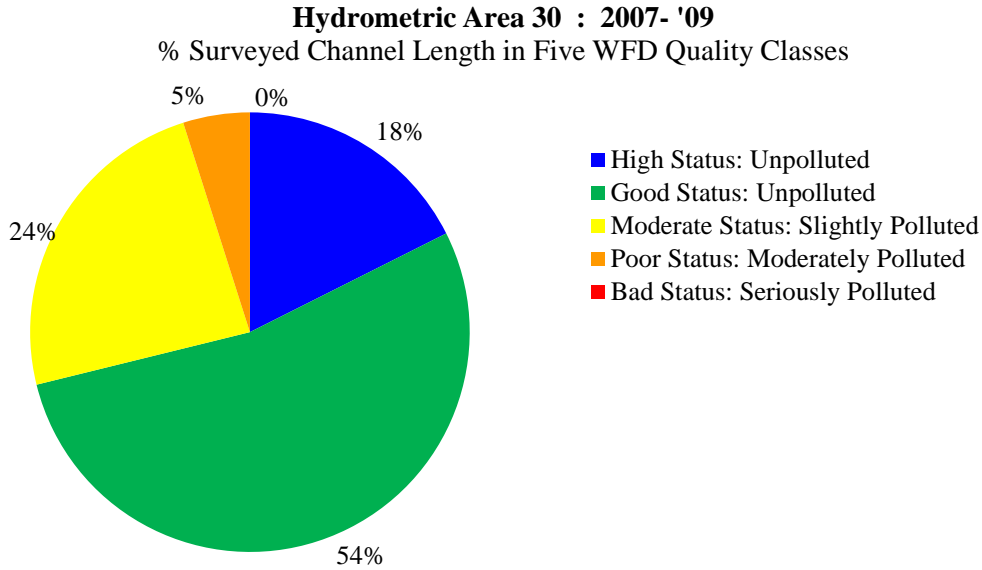
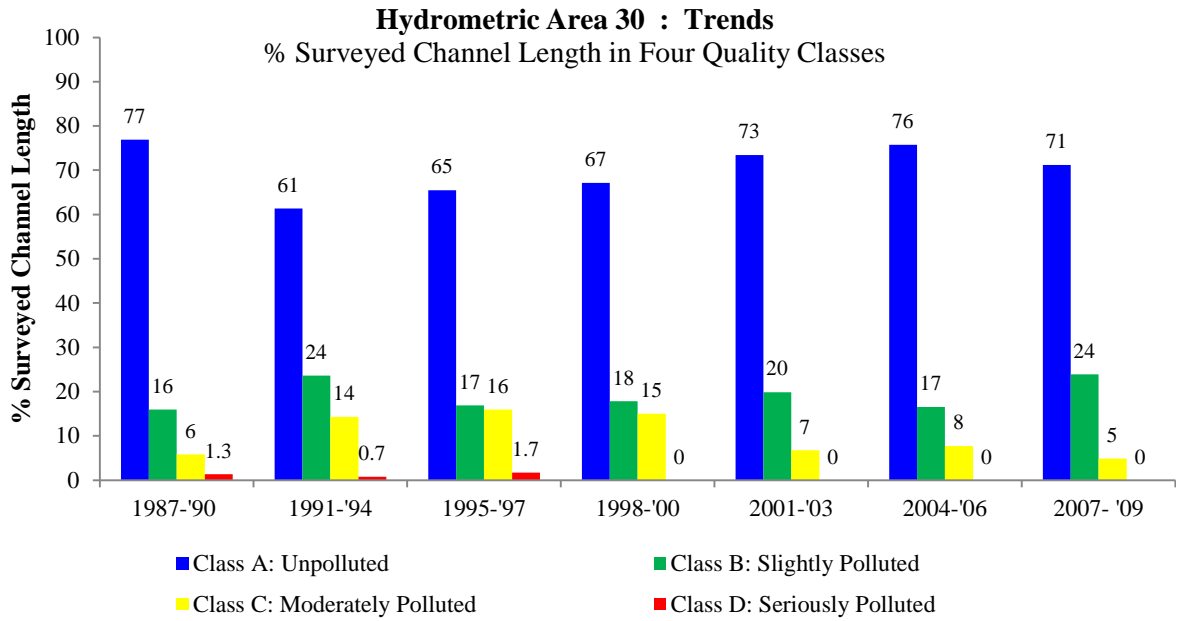
Hydrometric Area 30 (2009)

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	2009		81.8	257.6	114.3	22.8	0.0	476.5
Adjustments (km) (See below)*			0.0	8.5	3.0	0.0	0.0	11.5
<i>Percentages</i>			17.6	53.6	23.9	4.9	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		330.9	111.3	22.8	0.0	465.0	
<i>Percentages</i>			71.2	23.9	4.9	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		351.5	77.5	36.0	0.0	465.0	
<i>Percentages</i>			75.7	16.6	7.7	0.0		
Changes since Previous Survey (km)			-20.6	33.8	-13.2	0.0	0.0	

*Adjustments: Deduct the 'extras' (+), add the 'shortages' (-): Cong canal (30C06), Glennamucka (30C04), Headford Stream (30H01) and Srah Stream (30S02) added into the programme.

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



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: 17/12/2009

31/C/01
 OS Catchment No: 138

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0100	4-5	4	4	4-5	4-5	4-5	4-5	4-5

Assessment: Macroinvertebrate fauna continues to indicate highly satisfactory ecological conditions in the Cashla in 2009.

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: 17/12/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2002	2006	2009
0100	4	4	3-4	4	4	4	4	4

Assessment: The Crumlin is a Connemara river with a very impoverished fauna apparently due to its acidic nature. Satisfactory ecological conditions have been maintained in 2009.

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: 11/8/2009

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

Assessment: A welcome return to satisfactory ecological conditions was recorded in the Glencoaghan in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Derrynavglau	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: 23/10/2009

31/G/03
 OS Catchment No: 137

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0100	4-5	4	4-5	4-5	4	4-5	4	4

Assessment: Satisfactory ecological conditions have been recorded in the Gowlabeg for over twenty years, and 2009 was no exception.

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: 23/10/2009

31/I/01
 OS Catchment No: r4

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	1999	2003	2006	2009
0080	-	4	4	4	-	-
0500	3-4	3-4	4	3-4	4	4

Assessment: The Invermore is located in a bog catchment with a number of lakes along the course of the river. The granite bedrock with overlying peat and extensive afforestation in the catchment has resulted in a very acidic system. Although satisfactory ecological conditions were recorded in the river (0500) in 2009, there was a noticeable abundance of algae, an indication of slight eutrophication.

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: 15/12/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2002	2006	2009
0100	-	4	3-4	3-4	4	3-4	4	-
0200	5	4	4	4-5	4-5	4	4-5	4

Assessment: Although overall satisfactory ecological conditions were recorded in the Knock (Furbo) in 2009, there was a loss of some pollution sensitive macroinvertebrates compared to the previous survey.

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 : Glenicmurrin Lough

OS Catchment No: 138

OS Grid Ref of Confluence: M 005 301

Date(s) Surveyed: 23/10/2009

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

Assessment: Although overall satisfactory ecological conditions were recorded in the Knockadoagh in 2009, there was a loss of some pollution sensitive macroinvertebrates and an increase in algal abundance compared to the previous survey.

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: 23/10/2009

Previously reported as part of the Owengowla 31O02

Station Nos.	Biological Quality Ratings (Q Values)					
	1990	1994	1997	1999	2003	2009
0100	4*	4	4	4	4	4-5

Assessment: The Lough Nabrocky Stream is in the Connemara Bog Complex SAC. It is a very acidic system flowing across granite bedrock and the land cover is comprised entirely of intact bog. The invertebrate fauna appears to be naturally sparse due to the acidic conditions and filamentous green algae such as Spirogyra are quite abundant in the stream. It is believed that the lack of grazing pressure from invertebrates leads to enhanced algal growth during dry periods in particular. Highly satisfactory ecological conditions were recorded in 2009.

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: 15/12/2009

31/L/01
 OS Catchment No: 142

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0020	-	-	-	3	3-4	3-4	-
0100	4	4	4	4	4	4	4

Assessment: There was no change from satisfactory ecological conditions on Loughinch in 2009.

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: 15/12/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0100	4	4	3-4	4	4	-	4	-
0200	4	4	4	4	4-5	4-5	4	4-5

Assessment: Highly satisfactory ecological conditions prevail on the Owenboliska in Spiddal in 2009.

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: 14/10/2009

31/O/02
 OS Catchment No: 137

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0300	4-5	4	4	4	4	4-5	4-5	4-5

Assessment: Ecological conditions have varied between good and high on this acidic Connemara river for over twenty years, with high quality recorded again in 2009.

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: 15/12/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2002	2006	2009
0100	-	4	4	4	4	3-4	-	-
0200	-	4	-	-	-	-	-	-
0300	4	3	4	4	4-5	4	4	4

Assessment: The Owenriff (South Galway) is situated on a granite bedrock catchment with blanket bog as the predominant natural land cover. There are some 20 individual lakes in the upper catchment of 74 ha in total and approximately 300 ha of forestry plantations in this base-poor area so enhanced acidity is an expected adverse consequence. Satisfactory ecological conditions were maintained at the lower station (0300) in 2009.

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: 28/8/2009

31/O/03
 OS Catchment No: 136

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0100	4-5	4-5	4	4	4	4-5	4-5	3-4

Assessment: A disappointing drop from highly satisfactory to moderately polluted ecological conditions was recorded on the Owentooey in 2009. Flood conditions may have impacted here but catchment pressures such as forestry, overgrazing and aquaculture are likely contributing factors.

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: 15/12/2009

31/P/01
 OS Catchment No: o4

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0100	4	4	4	3-4	3-4	4	4

Assessment: Macroinvertebrate fauna indicate that good ecological conditions have been maintained on the Polleen in 2009.

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: 14/10/2009, 28/8/2009

31/R/01
 OS Catchment No: 136

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2003	2006	2009
0100	4-5	5	4	4-5	4	4	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
0700	-	4	5	4	4-5	4-5	4-5	5

Assessment: Highly satisfactory ecological conditions have been recorded in the upper and lower reaches of the Recess, with good ecological conditions in the middle reach in 2009. Satisfactory quality has been maintained here for over twenty years.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Buskannive 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	0
0200	45	15	81	19	0	3	80	0	6	9	2	2
0300	22	45	82	18	0	8	77	0	5	4	6	6
0400	19	52	82	18	0	7	75	0	7	5	6	6
0700	7	157	79	21	0	9	64	0	5	6	15	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: 22/10/2009

31/S/01
 OS Catchment No: r4

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2003	2006	2009
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

Assessment: On-going unsatisfactory ecological conditions were recorded downstream of a fish farm at Station 0570 in 2009. This situation has persisted for 15 years.

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: 28/8/2009

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

Assessment: Although ecological conditions were found to be good on the Tooreenacoona in 2009, there was a slight drop from the highly satisfactory conditions recorded in the last survey. A loss of some of the sensitive macroinvertebrate fauna was responsible.

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

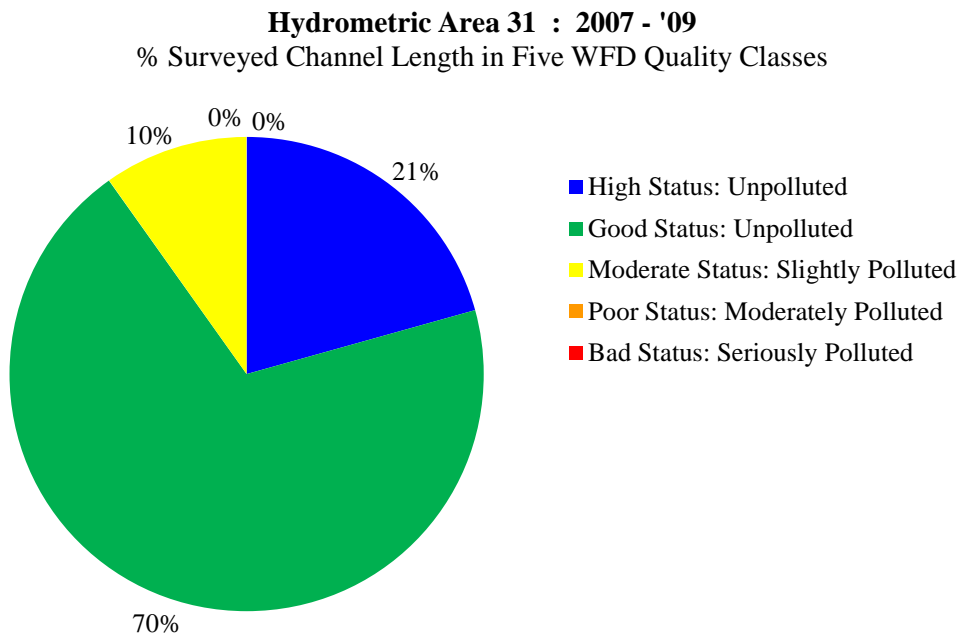
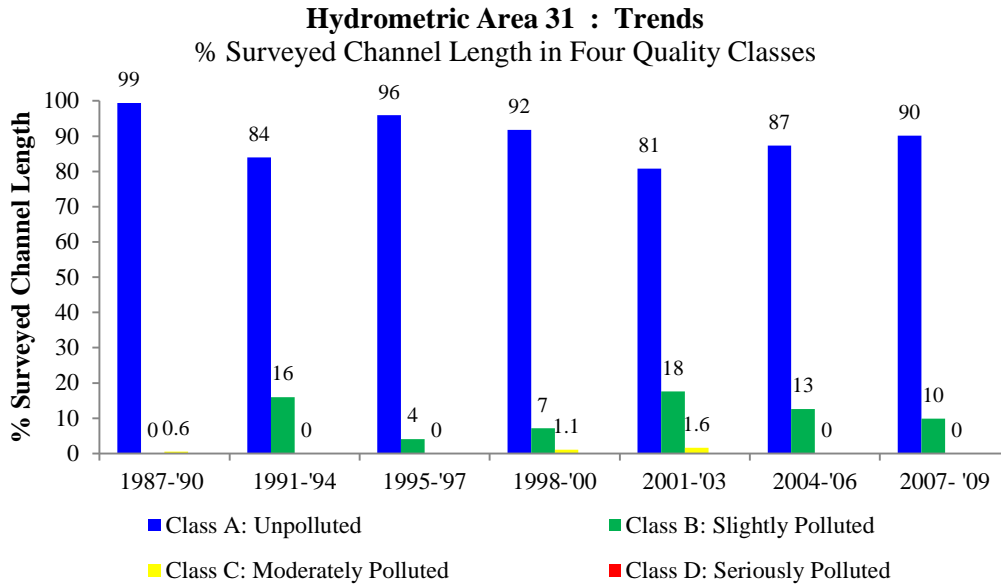
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Cashla	2009	31C01	4.0	0.0	0.0	0.0	0.0	4.0
Crumlin (Galway Bay)	2009	31C02	0.0	4.0	0.0	0.0	0.0	4.0
Glencoaghan	2009	31G01	0.0	5.5	0.0	0.0	0.0	5.5
Gowlabeg	2009	31G03	0.0	3.5	0.0	0.0	0.0	3.5
Invermore	2009	31I01	0.0	2.0	0.0	0.0	0.0	2.0
Knock (Furbo)	2009	31K01	0.0	7.0	0.0	0.0	0.0	7.0
Knockadoagh	2009	31K02	0.0	3.0	0.0	0.0	0.0	3.0
Loughinch	2009	31L01	0.0	2.1	2.5	0.0	0.0	4.5
Lough Nabrocky Stream	2009	31N01	2.0	0.0	0.0	0.0	0.0	2.0
Owenboliska	2009	31O01	2.3	4.8	0.0	0.0	0.0	7.0
Owengowla	2009	31O02	4.0	0.0	0.0	0.0	0.0	4.0
Owenriff (South Galway)	2009	31O04	0.0	5.0	0.0	0.0	0.0	5.0
Owentooey	2009	31O03	0.0	0.0	5.0	0.0	0.0	5.0
Polleen	2009	31P01	0.0	3.0	0.0	0.0	0.0	3.0
Recess	2009	31R01	6.6	9.0	0.0	0.0	0.0	15.5
Screeb	2009	31S01	0.0	7.5	1.5	0.0	0.0	9.0
Tooreenacoona	2009	31T01	0.0	7.0	0.0	0.0	0.0	7.0
Total Length (km) surveyed this cycle	2009		18.8	63.3	9.0	0.0	0.0	91.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			20.7	69.5	9.8	0.0	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		82.1	9.0	0.0	0.0	91.0	
<i>Percentages</i>			90.2	9.8	0.0	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		79.5	11.5	0.0	0.0	91.0	
<i>Percentages</i>			87.4	12.6	0.0	0.0	100.0	
Total Length (km) surveyed this cycle			2.6	-2.6	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.



HYDROMETRIC AREA 32 (Errif – Clew Bay)	
ALTACONEY	32A02
BALLINABOY	32B07
BUNDORRAGHA	32B01
BUNNAHOWNA	32B02
BUNOWEN (LOUISBURGH)	32B03
CARROWBEG (WESTPORT)	32C05
CARROWNISKY	32C01
CLOGHER (MOYOUR)	32C07
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: 5/8/2009

32/A/02
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	1999	2002	2005	2009
0300	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Satisfactory in August 2009.

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: 11/8/2009

32/B/07
 OS Catchment No: t4

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1997	1999	2002	2006	2009
0100	3	3	3	2-3	2-3	2-3
0300	4	3-4	4	4	4	3

Assessment: The Ballinaboy was again moderately polluted downstream of L. Beaghcauneen (0100). The impact is apparently due to a nearby fish farm located in the lake itself. An unwelcome decline to unsatisfactory ecological condition was noted in the lower reach (0300).

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: 14/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2006	2009
0200	5	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions have persisted on this important Killary Harbour tributary for over twenty-five years of surveying.

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: 4/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2005	2009
0100	5	4-5	4-5	4-5	3-4	4	4

Assessment: Although increased silt levels were noted on the Bunnahowna in 2009, the macroinvertebrate community indicated good ecological conditions.

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: 13/10/2009, 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	1999	2002	2006	2009
0050	-	-	-	-	-	-	5	5	5
0100	5	5	5	5	5	5	4-5	4-5	4-5
0150	4-5	4-5	4	4	4	4	4	3	3-4

Assessment: The upper sites on the Bunowen (0050, 0100) were found to be in highly satisfactory ecological condition when surveyed in 2009. However, signs of eutrophication were again noted in the lower section upstream of Louisburgh (0150).

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: 15/10/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1980	1986	1988	1990	1991	1994	1997	1999	2002	2003	2006	2009
0050	4	5	-	5	5	4-5	4-5	4	4	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

Assessment: The upper Carrowbeg (0050) was found to be in high ecological condition in 2009. A slight improvement was noted in the lower reaches downstream of Westport Town (0300), however, eutrophic conditions remain.

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	0	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: 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2006	2009
0020	-	-	5	5	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

Assessment: Although highly satisfactory ecological conditions were recorded once again on the upper Carrowinsky at Glenkeen Bridge in 2009, an unwelcome decline to moderately polluted was noted on the lower reach (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	

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 : **CLOGHER (MOYOUR)**

32/C/07

Tributary of : 32M01 MOYOUR

OS Catchment No: 124

OS Grid Ref of Confluence: M 029 888

Date(s) Surveyed: 15/10/2009

Station Nos.	2002	Biological Quality Ratings (Q Values)	2009
0600	4		4

Assessment: Satisfactory ecological condition was maintained downstream of Clogher Lake in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Br d/s Clogher Lake	103370	288620	0	

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: 12/8/2009

Station Nos.	Biological Quality Ratings (Q Values)				
	1990	1994	2002	2006	2009
0100	5	4	4	4	4

Assessment: Macroinvertebrate fauna continue to indicate satisfactory ecological conditions on the Cross in 2009.

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: 17/8/2009

32/C/03
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2005	2009
0050	4	4	4-5	3-4	4-5	4	4	4-5	-
0150	5	5	5	4	4-5	4	4	4-5	4-5

Assessment: Satisfactory ecological conditions were recorded on the Crumpaun in 2009, a situation unchanged in over twenty-five years of surveying the catchment.

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**

32/C/04

Tributary of : Sea - near Killary Harbour

OS Catchment No: 132

OS Grid Ref of Confluence: L 747 636

Date(s) Surveyed: 25/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2006	2009
0020	-	-	5	4-5	4	4	4	-	4
0040	-	-	4	4	4	4	4	4	4
0200	5	5	4	4	4	4-5	4-5	4	4

Assessment: Satisfactory ecological conditions were recorded along the length of the Culfin in 2009, a situation unchanged in over twenty-five years of surveying in the catchment.

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**

32/D/01

Tributary of : Sea - Ballynakill Harbour

OS Catchment No: 133

OS Grid Ref of Confluence: L 701 598

Date(s) Surveyed: 25/8/2009, 26/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2006	2009
0020	-	-	5	4-5	5	4-5	4-5	3	3-4
0060	-	-	-	-	-	-	4	-	-
0080	-	-	-	-	-	-	4-5	-	-
0100	5	5	5	4-5	3-4	4-5	5	-	4-5
0200	5	5	5	4-5	4-5	4-5	4-5	4-5	4-5*

Assessment: A slight improvement in quality was noted in the upper Dawros above Kylemore Lough (0020) in 2009, although eutrophic conditions prevail. Highly satisfactory ecological conditions were maintained 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: 12/8/2009

32/D/02
 OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	1999	2002	2006	2009
0100	-	5	5	4	4-5	4	4	4	-
0150	4-5	5	-	4	4	4	3-4	3-4	4

Assessment: A welcome return to satisfactory ecological condition was recorded at the lower Derrycraff station (0150) in 2009.

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: 11/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0200	4-5	4	4-5	4-5	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions were recorded in the Derryehorraun in 2009, a situation unchanged in almost thirty years of surveying in the catchment.

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: 12/8/2009, 14/10/2009

32/E/01

OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	1999	2002	2006	2009
0030	-	-	5	4-5	4-5	4-5	4-5	4	4
0100	5	5	5	4	4-5	4-5	4-5	4	4
0200	5	5	5	4-5	4-5	4-5	4-5	4-5	4
0300	5	5	5	4-5	4	4	4	4	4

Assessment: The Erriff was in satisfactory ecological condition over its length in 2009, although a slight deterioration was noted at Erriff Bridge (0200). Satisfactory conditions have prevailed for almost thirty years of surveying in the catchment.

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: 17/8/2009

32/G/12
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)								
	2000	2001	2002	2003	2004	2005	2006	2007	2009
0050	-	-	-	-	3	-	-	-	-
0100	3	3	3-4	3-4	4	3-4	3	4	4

Assessment: Satisfactory ecological conditions were maintained in the Glaishtwy in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	1km u/s Glaishtwy Br	104924	295050	0	
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: 24/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0100	5	3-4	4	4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Glendavock in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
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: 17/8/2009

32/G/07
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2005	2009
0300	5	4	4-5	4-5	4-5	4	4-5

Assessment: Highly satisfactory ecological conditions were restored in the Glenisland in 2009.

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: 24/8/2009

32/G/02
 OS Catchment No: 131

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0200	5	4-5	5	4-5	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions were recorded in the Glenlaur in 2009, a situation unchanged in almost twenty years of surveying in the catchment.

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**

32/G/03

Tributary of : Lough Feeagh

OS Catchment No: 107

OS Grid Ref of Confluence: F 957 018

Date(s) Surveyed: 5/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2005	2009
0100	4-5	3-4	4	3-4	4	4	4

Assessment: Satisfactory ecological conditions have been maintained in the Glennamong in 2009.

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**
 Tributary of : 32B01 BUNDORRAGHA
 OS Grid Ref of Confluence: L 845 650
 Date(s) Surveyed: 24/8/2009

32/G/05
 OS Catchment No: 130

Previously reported as part of the Bundorragha (32B01)

Station Nos.	Biological Quality Ratings (Q Values)		
	2002	2006	2009
0010	5	5	5
0070	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions have been maintained in the Glenummera in 2009.

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: 5/8/2009

32/G/06
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	1999	2002	2005	2009
0090	-	-	-	-	-	-	-	3	-
0100	5	4-5	5	4	4	4	3/0	3-4	4

Assessment: Satisfactory ecological conditions have been maintained in the Goulaun in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Second Br d/s Bunaveela Lough	98590	307978	0	
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: 12/10/2009

32/M/01
 OS Catchment No: 124

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0100	4	3*	3	3	3-4	3	4
0400	3-4	4	3	3	4	3	-
0700	4	4-5	4	4	4	3-4	4

Assessment: A welcome return to satisfactory ecological condition was recorded on the Moyour in 2009.

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: 12/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	1999	2002	2005	2009
0020	-	-	-	-	-	-	-	-	4
0050	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

Assessment: The upper site on the Newport is lake-influenced - phytoplankton in the outflowing water results in filter feeding communities at such sites. Satisfactory ecological conditions were recorded here (0020). Although brackish influenced, conditions were satisfactory at the lower reach also (0190), 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	0	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: 12/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0100	4-5	4	4	4	4-5	4-5	4

Assessment: Although satisfactory ecological conditions were recorded on the Owenduff, this was a slight drop from high quality noted in previous surveys.

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: 4/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1990	1994	1997	1999	2002	2005	2006	2009
0100	5	4-5	3	4	4	3-4	3-4	3	3-4
0200	4-5	4-5	4	4	3-4	4	3-4	4	3-4

Assessment: Unsatisfactory ecological conditions were recorded at both sites sampled in 2009, with pressures such as forestry and sheep farming practices contributing to the decline.

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: 11/8/2009, 26/8/2009

32/O/03
 OS Catchment No: 135

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	1999	2002	2006	2009
0100	-	5	5	4	4	4-5	4-5	4
0300	4	4	5	4	4	4	4	4

Assessment: Satisfactory ecological conditions were recorded along the length of the Owenglin in 2009, a situation unchanged in over twenty years of surveying this river. A slight deterioration was noted in the upper site (0100) due to increased levels of algae present, suggesting eutrophication present.

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: 17/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0250	-	4	-	4	4-5	4	4
0380	-	4-5	4	4	4-5	4	-
0500	4-5	4	4	4	4	4	4

Assessment: Satisfactory ecological conditions were recorded along the length of the Owennabrockagh in 2009, a situation unchanged in almost twenty years of surveying this river.

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: 13/10/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0100	4	4	4	3-4	4	3	3-4

Assessment: Although ecological conditions remain unsatisfactory in the Owennadornaun in 2009, there has been a slight improvement since the last survey. 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: 13/10/2009, 15/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1990	1994	1997	1999	2003	2006	2009
0200	4-5	4-5	4	4-5	4	3/0	4	4
0600	4-5	4-5	4	4-5	4-5	3-4	4	4

Assessment: Satisfactory ecological conditions have been maintained at both sites sampled on the Owenwee in 2009.

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** **32/S/01**
 Tributary of : 32N01 NEWPORT (MAYO) OS Catchment No: 108
 OS Grid Ref of Confluence: M 034 965
 Date(s) Surveyed: 12/10/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1990	1994	1997	1999	2001	2005	2006	2009
0300	5	4	4-5	4-5	4-5	4	4-5	4

Assessment: Although satisfactory ecological conditions have been maintained on the Skerdagh in 2009, there has been a slight decline in overall quality due to increased algal and silt abundance.

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: 5/8/2009

32/S/02
 OS Catchment No: 107

Station Nos.	Biological Quality Ratings (Q Values)				
	1990	1994	1997	2005	2009
0100	4	4	4	4	4

Assessment: Satisfactory ecological conditions were recorded in the Srahmore in 2009, a situation unchanged in almost twenty years of surveying this river.

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: 26/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1999	2002	2006	2009
0200	4	4	4-5	4	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions have been maintained in the Streamstown in 2009.

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: 26/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1986	1990	1994	1997	1999	2006	2009
0100	4-5	5	5	4-5	4	4-5	4-5	4-5

Assessment: Highly satisfactory ecological conditions have been maintained in the Traheen in 2009, a situation unchanged in over twenty-five years of surveying this river.

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

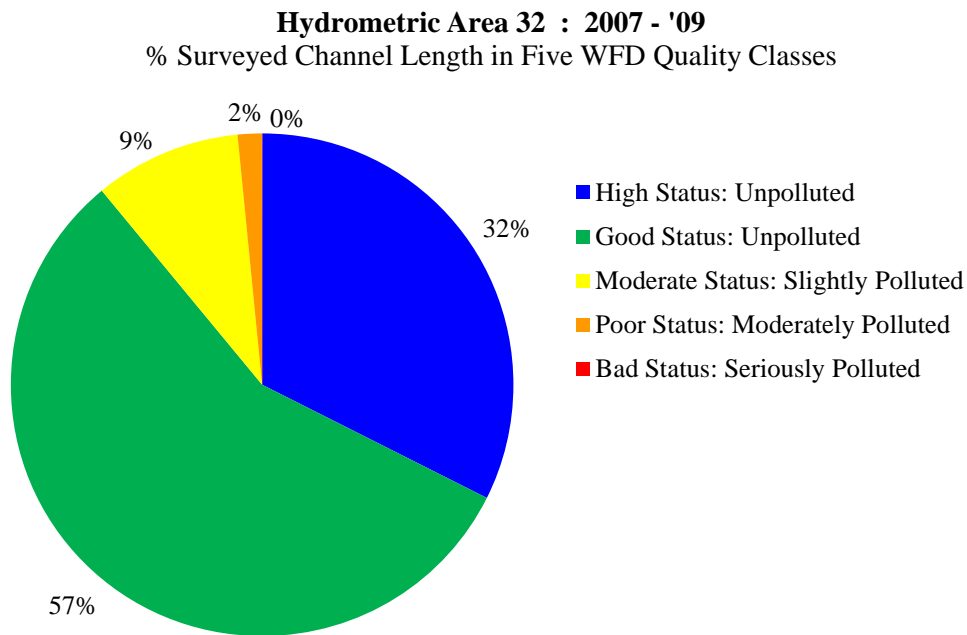
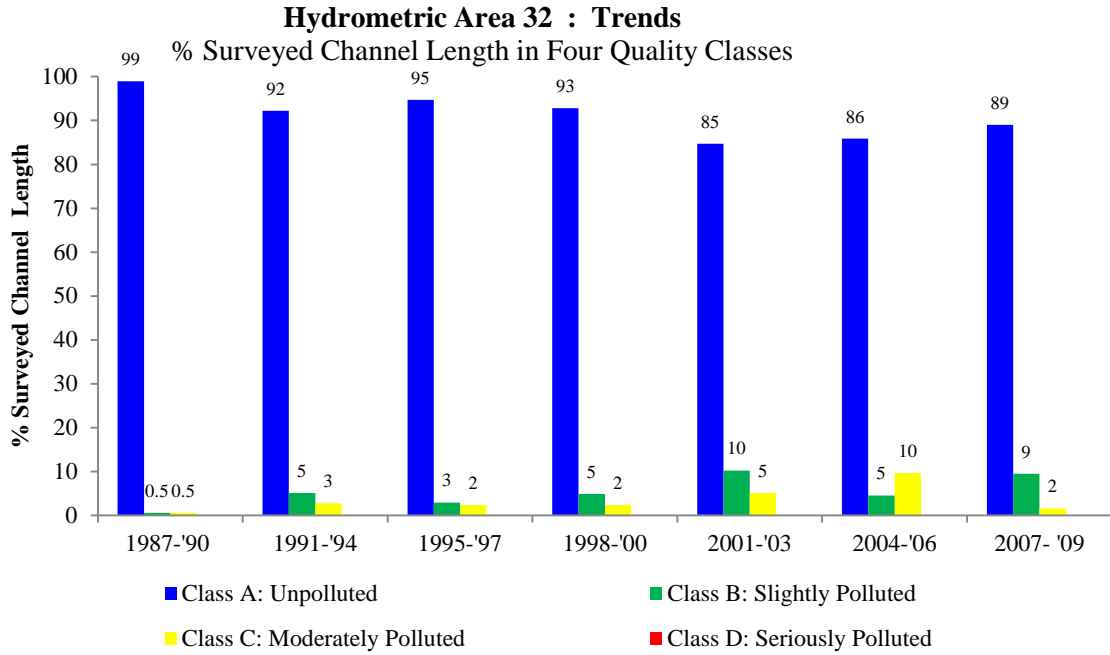
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes:- A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Altaconey	2009	32A02	6.0	0.0	0.0	0.0	0.0	6.0
Ballinaboy	2009	32B07	0.0	0.0	0.0	4.0	0.0	4.0
Bundorragha	2009	32B01	9.5	0.0	0.0	0.0	0.0	9.5
Bunnahowna	2009	32B02	0.0	4.0	0.0	0.0	0.0	4.0
Bunowen (Louisburg)	2009	32B03	15.0	0.0	2.0	0.0	0.0	17.0
Carrowbeg (Westport)	2009	32C05	7.7	3.8	1.0	0.0	0.0	12.5
Carrowniskey	2009	32C01	6.5	8.3	2.2	0.0	0.0	17.0
Cross (Mayo) ¹	2009	32C02	0.0	6.0	0.0	0.0	0.0	6.0
Crumpaun	2009	32C03	12.0	0.0	0.0	0.0	0.0	12.0
Culfin	2009	32C04	0.0	4.5	0.0	0.0	0.0	4.5
Dawros	2009	32D01	6.0	0.0	6.5	0.0	0.0	12.5
Derrycraff	2009	32D02	0.0	7.0	0.0	0.0	0.0	7.0
Derryehorraun	2009	32D04	2.0	0.0	0.0	0.0	0.0	2.0
Erriff	2009	32E01	0.0	28.0	0.0	0.0	0.0	28.0
Glendavock	2009	32G01	0.0	3.0	0.0	0.0	0.0	3.0
Glenisland	2009	32G07	5.0	0.0	0.0	0.0	0.0	5.0
Glenlaur	2009	32G02	5.0	0.0	0.0	0.0	0.0	5.0
Glenamong	2009	32G03	0.0	4.5	0.0	0.0	0.0	4.5
Goulaun	2009	32G06	0.0	3.5	0.0	0.0	0.0	3.5
Moyour	2009	32M01	0.0	11.0	0.0	0.0	0.0	11.0
Newport (Mayo)	2009	32N01	0.0	10.0	0.0	0.0	0.0	10.0
Owenduff (Erriff)	2009	32O08	0.0	3.5	0.0	0.0	0.0	3.5
Owengarve (Mayo)	2009	32O02	0.0	0.0	7.5	0.0	0.0	7.5
Owenglin	2009	32O03	0.0	15.0	0.0	0.0	0.0	15.0
Owennabrockagh	2009	32O04	0.0	14.0	0.0	0.0	0.0	14.0
Owennadornaun	2009	32O07	0.0	0.0	5.0	0.0	0.0	5.0
Owenwee (Mayo)	2009	32O06	0.0	13.0	0.0	0.0	0.0	13.0
Skerdagh	2009	32S01	0.0	10.0	0.0	0.0	0.0	10.0
Srahmore	2009	32S02	0.0	2.0	0.0	0.0	0.0	2.0
Streamstown (Clifden)	2009	32S04	2.5	0.0	0.0	0.0	0.0	2.5
Traheen	2009	32T01	6.0	0.0	0.0	0.0	0.0	6.0
Total Length (km) surveyed this cycle	2009		83.2	151.1	24.2	4.0	0.0	262.5
Adjustments (km) (See below)*			0.0	6.0	0.0	0.0	0.0	6.0
<i>Percentages</i>			32.4	56.6	9.4	1.6	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		228.3	24.2	4.0	0.0	256.5	
<i>Percentages</i>			89.0	9.4	1.6	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		220.5	11.5	24.5	0.0	256.5	
<i>Percentages</i>			86.0	4.5	9.6	0.0	100.0	
Changes since Previous Survey (km)			7.8	12.7	-20.5	0.0	0.0	

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

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



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
GURTEEN STREAM	35G05
KILLANUMMERY	35K03
KILLORAN LOUGH STREAM	35K02
LISKEAGH	35L02
LUGDOON STREAM	35L01
OWENBEG (COOLANEY)	35O01
OWENMORE (MANORHAMILTON)	35O08
OWENMORE (SLIGO)	35O06
SHANVAUS	35S01
TULLINWILLIN STREAM	35T03
TULLYNASCREEN *	35T06
UNSHIN	35U01
WILLSBOROUGH STREAM	35W01

* TULLYNASCREEN Previously reported as part of the Killanummery (35K03)

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: 18/8/2009

Station Nos.							Biological Quality Ratings (Q Values)				
	1979	1980	1984	1986	1990	1994	1997	2000	2003	2006	2009
0040	-	-	-	-	2-3	4	3-4	3	4	3	-
0100	1	2	1	3-4	3	4	4	3	4	4	4

Assessment: Satisfactory ecological conditions were maintained in the Ballymote Stream in August 2009.

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: 16/9/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1979	1982	1986	1990	1994	1997	2000	2003	2006	2009
0100	5	5	5	5	5	5	4	4-5	4	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 2009, 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: 7/9/2009, 9/9/2009, 10/8/2009, 11/8/2009,
16/9/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2003	2006	2009
0010	-	-	-	-	-	5	5	4-5	5	5	5	5
0050	-	-	-	4	4-5	4	4-5	4-5	4	4-5	4	4
0100	5	5	4-5	4-5	4-5	4-5	5	4-5	4-5	4-5	5	4-5
0200	5	5	4-5	4	4	5	4-5	4	4	4	4	4
0400	5	5	4-5	4-5	4	4-5	4-5	4	4-5	4	4	4
0500	5	5	5	5	3	4-5	4-5	4	4	4-5	4-5	4
0600	5	5	4-5	4	4	4	4	4	4-5	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Bonet in 2009, although a slight decline in quality was noted at New Bridge (0100). 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

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: 10/8/2009, 16/9/2009

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

Assessment: Although the macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Brackery in 2009, an unwelcome decline from high to good ecological condition was evident in the upper reaches (0200).

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 : **BRADOGÉ**
 Tributary of : Sea - Donegal Bay
 OS Grid Ref of Confluence: G 818 588
 Date(s) Surveyed: 8/9/2009

35/B/07
 OS Catchment No: 122

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	2000	2003	2006	2009
0060	-	-	3	3-4	3-4	3	4	4	4
0150	-	-	-	-	-	-	-	4	-
0200	3-4	4	4	4	3-4	3-4	2-3	2-3	3-4

Assessment: The macroinvertebrate fauna again indicates satisfactory ecological conditions at the upper station (0060) of the Bradoge in 2009. However, the lower site in Bundoran (0200) continues to show signs of nutrient enrichment -the dominance of pollution tolerant macroinvertebrate species were apparent. Obvious signs of sewage input were also apparent, such as tissue and strong sewage odours.

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: 1/9/2009, 2/9/2009

35/B/09
 OS Catchment No: 114

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	3	3	3	3	4	3-4	3-4
0500	5	-	5	4-5	-	3-4	3-4

Assessment: The macroinvertebrate fauna continues to indicate unsatisfactory ecological conditions at all stations on the Buncrowley in 2009, with no improvement noted from the last survey. This upland river is at risk from acidification and forestry impacts. Conductivity at the upland site (0100) was 28.2 us/cm during sampling, indicating that conditions are still quite acidic. No acid-sensitive ephemeropteran species (i.e. Baetis) were found in 2009.

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: 18/8/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1981	1986	1990	1994	1997	2000	2003	2006	2009
0200	4-5	4	4	4	4	3-4	4	3	3	3

Assessment: The dominance of pollution tolerant species continues to indicate unsatisfactory conditions on the Bunnanaddan in 2009. The Bunnanaddan Stream is spring-fed with naturally low dissolved oxygen levels (60.3% in 2009).

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: 16/9/2009

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

Assessment: There was no change in the condition of the Cashel Stream where the macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations in 2009.

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: 18/8/2009

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

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Clooneen in 2009, although increased siltation and algal growth were noted at both sites.

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.

Hydrometric Area 35 (2009)

River and Code : **DIFFREEN**
 Tributary of : Glencar Lake
 OS Grid Ref of Confluence: G 763 431
 Date(s) Surveyed: 12/8/2009

35/D/01
 OS Catchment No: 119

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1986	1990	1994	1997	2000	2003	2006	2009
0100	4	5	5	5	5	4-5	4	3	4

Assessment: A welcome return to satisfactory ecological condition was noted on the Diffreen, a tributary of Glencar Lake, in 2009.

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: 2/9/2009

35/D/09
 OS Catchment No: 115

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

Assessment: An unwelcome decline to unsatisfactory ecological condition was noted in the Doonbeakin in 2009. A paucity of pollution sensitive macroinvertebrates characterised the site.

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**

35/D/10

Tributary of : Sea - S. of Aughris Head

OS Catchment No: u5

OS Grid Ref of Confluence: G 506 360

Date(s) Surveyed: 3/9/2009

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

Assessment: Ecological conditions remain satisfactory at the site sampled on the Doonflin (0600) in 2009, although cattle access across the ford remains a problem, with excessive poaching and silt present.

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.

Hydrometric Area 35 (2009)

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: 17/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
1400	3-4	4-5	4-5	4-5	4	3-4	3-4

Assessment: Ecological condition remains unsatisfactory in the Douglas River in 2009.

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: 12/8/2009

35/D/03

OS Catchment No: 121

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1982	1986	1990	1994	1997	2000	2003	2006	2009
0100	-	4	4-5	4	4	3-4	4-5	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 2009. The presence of a high density of diverse pollution-sensitive species indicates that good quality conditions persist.

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: 9/9/2009

35/D/04
 OS Catchment No: 119

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0250	5	4-5	4	4-5	3-4	3	3
0400	4	4	4	4-5	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 status.

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: 20/8/2009

35/D/11
 OS Catchment No: 116

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0500	4	4	4	4-5	4	3-4	-
0800	4	4	4	4	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions on this River Unshin tributary in 2009.

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**
 Tributary of : Sea - Donegal Bay
 OS Grid Ref of Confluence: G 752 578
 Date(s) Surveyed: 8/9/2009

35/D/05

OS Catchment No: 120

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	2000	2003	2006	2009
0020	-	-	-	-	-	5	5	4-5	4-5
0250	-	-	-	-	-	4-5	4	4-5	4-5
0400	5	4-5	5	5	4-5	4-5	4	4	4

Assessment: The macroinvertebrate fauna continue to indicate satisfactory ecological conditions at all stations on the Duff in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br E of Cloontyprughlish	179056	348081	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
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: 3/9/2009

35/D/16
 OS Catchment No: u5

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
1000	4	4-5	4	4-5	4-5	4-5	4-5
1400	4-5	4	4-5	4-5	4	4	4

Assessment: There was no change in the ecological condition of the Dunmoran, which retains satisfactory status at both sites sampled (1000, 1400) in 2009.

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: 2/9/2009

35/D/06

OS Catchment No: 115

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	2000	2003	2006	2009
0050	-	-	-	5	5	4-5	4-5	4-5	4-5
0100	5	5	5	5	4-5	5	5	4-5	4-5
0200	4-5	4-5	5	4-5	4	5	4-5	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Dunneill in 2009. High status 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**

35/E/01

Tributary of : Sea - W. of Sligo Bay

OS Catchment No: 114

OS Grid Ref of Confluence: G 379 386

Date(s) Surveyed: 1/9/2009, 2/8/2009, 2/9/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	2000	2003	2006	2009
0010	-	4-5	4	4	4-5	4-5	3-4	4	4
0020	-	5	5	5	4-5	4-5	4	4	4
0100	5	5	4-5	5	4-5	4-5	4	4-5	4
0200	4-5	5	-	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: Although satisfactory ecological conditions persist on the Easky in 2009, a slight decline from high to good status was noted at Camcuill Br (0100). 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**

35/F/01

Tributary of : Sea - W. of Sligo Bay

OS Catchment No: 113

OS Grid Ref of Confluence: G 350 386

Date(s) Surveyed: 1/9/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1990	1994	1997	2000	2003	2006	2009
0100	5	5	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

Assessment: There was no change in either of the two sites sampled in 2009 with the Finned retaining satisfactory ecological condition in 2009.

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: 11/8/2009

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
0200	5	4	4	4	4	4	4	4	4	4-5	4-5	4

Assessment: Although ecological conditions remained satisfactory at The Mall in Sligo town in 2009, a slight deterioration from high to good status was noted. Water levels were high due to extensive rainfall all summer, and high levels of silt were observed. Domestic rubbish was a 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: 8/9/2009

35/G/02
 OS Catchment No: 121

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0200	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 fifteen years, with high status achieved again in 2009.

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: 2/9/2009

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

Assessment: Ecological condition remains satisfactory in 2009. Although extensive bank erosion was noted, there has been some bank stabilization (riprap) and fencing on the left bank. 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)**

35/G/04

Tributary of : Sea - S. of Connor's Island

OS Catchment No: x5

OS Grid Ref of Confluence: G 648 495

Date(s) Surveyed: 9/9/2009, 12/8/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1986	1990	1994	1997	2000	2003	2006	2009
0080	-	-	-	5	4-5	5	5	4-5	4-5	4-5
0200	3-4	4	4	4	4	4-5	4	4	4	4

Assessment: There was no change in ecological condition at either site on the Grange in 2009, with both sites achieving satisfactory quality. The site downstream of Grange village (0200) is of slightly lower quality than the upper site (0080). The ford here appears well used by tractor traffic, and locals report a fish kill occurred here in 2008.

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 : **GURTEEN STREAM** 35/G/05
 Tributary of : 35O06 OWENMORE (SLIGO) OS Catchment No: 116
 OS Grid Ref of Confluence: G 677 055
 Date(s) Surveyed: 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)											
	1979	1980	1982	1984	1986	1990	1994	1997	2000	2003	2006	2009
0200	3	3	3	2-3	2-3	2	2-3	3-4	3	2-3	3	3-4

Assessment: Although a slight welcome improvement was noted in ecological condition in the Gurteen in 2009, the stream remains in unsatisfactory condition. Signs of nutrient enrichment such as dominance of tolerant macroinvertebrate species, paucity of pollution sensitive macroinvertebrates, excessive siltation and low DO (81.5%) were noted during sampling.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge N.E. of Gurteen	166628	305329	32	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	67	2	0	100	75	0	0	7	18	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 : **KILLANUMMERY**

35/K/03

Tributary of : 35B06 BONET

OS Catchment No: 117

OS Grid Ref of Confluence: G 806 303

Date(s) Surveyed: 17/9/2009

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

Assessment: There was no change in the ecological condition of the Killanummery, with both sites retaining satisfactory status in 2009.

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: 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0500	-	-	-	4	4	4	-
1000	4	4-5	4	4	3-4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions on the Killoran Lough Stream in 2009.

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 : **LISKEAGH** **35/L/02**
 Tributary of : 35O06 OWENMORE (SLIGO) OS Catchment No: 116
 OS Grid Ref of Confluence: G 677 073
 Date(s) Surveyed: 19/8/2009

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

Assessment: High ecological quality has been a feature of the Liskeagh for twelve years, and no change in this status was recorded in 2009. Cattle access is evident and fencing is recommended in order to preserve the high quality in this stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1100	Br at Clooneagh	169260	305819	32	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1100	69	10	48	52	4	24	1	0	64	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 : **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: 3/9/2009

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

Assessment: Although a slight welcome increase in ecological condition was noted in the Lugdoon in 2009, overall condition remains unsatisfactory. Restriction of livestock access and the creation of a vegetative buffer along the banks could help alleviate the bank erosion and heavy siltation of the substrata.

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: 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1990	1994	1997	2000	2003	2006	2009
0030	-	-	4	4-5	4	4-5	4-5	4	4
0070	-	-	-	5	4-5	5	4-5	4	4
0200	4	5	4	4	4	4	4	4	-
0400	-	-	-	4-5	4-5	4-5	4-5	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Owenbeg in 2009. High water levels were a feature of all sites during the sampling period.

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: 10/8/2009, 11/8/2009

Station Nos.	Biological Quality Ratings (Q Values)										
	1971	1973	1977	1980	1986	1990	1994	2000	2003	2006	2009
0220	-	-	-	-	-	-	4	4-5	4	4-5	4
0400	5	4-5	4	4	4-5	4-5	3-4	4	4	4	4

Assessment: Although the macroinvertebrate fauna continues to indicate satisfactory ecological conditions at all stations on the Owenmore in 2009, a slight deterioration in quality was noted at Bellanaganny Bridge (0220).

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: 13/8/2009, 18/8/2009, 19/8/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1979	1980	1984	1990	1994	1997	2000	2003	2006	2009
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
0250	-	-	-	-	-	-	3-4	4	3-4	3	4	3	3
0400	5	5	4-5	-	4	4	4-5	4-5	4	4	4	3-4	3-4
0500	-	-	-	-	4	4	4	4	4	4	4	3-4	3-4
0610	-	-	-	-	-	-	-	4-5	4	4-5	4-5	4	4
0700	-	-	-	-	5	4-5	5	-	-	4-5	4-5	4-5	4
0900	4-5	5	4-5	-	4	4	4	5	3-4	4	4-5	4	4

Assessment: The upper section of the Owenmore (0020, 0050, 0200) was of satisfactory ecological quality in 2009 although a slight deterioration was noted at station 0050. The middle section, above and below Templehouse Lake (0250, 0400, 0500) continues to exhibit eutrophication, with all three sites failing to reach satisfactory quality. Excessive siltation, bank erosion and cattle access was a feature downstream of Ballymote stream (0250). Huge numbers of zebra mussel were noted at Templehouse Br (0500). The macroinvertebrate fauna continues to indicate satisfactory ecological conditions in the lower sections, upstream and downstream of Collooney (0610, 0700, 0900), despite a slight decline in quality upstream of Collooney Bridge (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br at Kilstraghan 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 (2009)

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: 16/9/2009

35/S/01
 OS Catchment No: 117

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0400	4	4-5	4-5	4-5	4-5	4	-
1100	4	4-5	-	4	4-5	4	4-5

Assessment: A number of visits had to be made to the Shanvaus as flooding was common during the summer of 2009. A welcome return to 2003 quality levels was noted, with high quality recorded at the site sampled (1100). Both left and right banks were severely eroded, with the left bank in particular showing major slumping, resulting in heavy silt deposition.

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: 16/9/2009

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

Assessment: The major drop in quality observed in this tributary of the Belhavel Lough between 2003 and 2006 is evident again in 2009, with no recovery observed in the intervening years. A dominance of pollution-tolerant macroinvertebrate taxa characterised the site. The extensive forestry plantations in the upper catchment appear to be the primary pressure here.

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 : **TULLYNASCREEN** **35/T/06**
 Tributary of : 35K03 KILLANUMMERY OS Catchment No: 117
 OS Grid Ref of Confluence: G 809 269
 Date(s) Surveyed: 17/9/2009

Previously reported as part of the Killanummery (35K03)

Station Nos.	1990	2003	Biological Quality Ratings (Q Values)	
	2006	2009	2006	2009
0200	5	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions on the Tullynascreen in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NE Sracummer	180906	325956	26	LM

River and Code : **UNSHIN**

35/U/01

Tributary of : 35B05 BALLYSDARE

OS Catchment No: 116

OS Grid Ref of Confluence: G 687 270

Date(s) Surveyed: 13/8/2009, 17/9/2009, 20/8/2009

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1984	1990	1994	1997	2000	2001	2003	2006	2009
0100	-	-	-	4-5	4-5	4-5	-	3-4	4	-	3-4	3-4	3-4
0200	-	-	-	5	4	4	4	4-5	4	4-5	-	4	4
0400	-	-	-	4	4-5	4	4	4-5	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
0600	4-5	5	4	4	4	4	4	4-5	4-5	-	4-5	4-5	4-5

Assessment: Several visits were made to the Unshin during the sampling period, as heavy flooding was a feature of the 2009 sampling season. The upper Unshin (0100), just downstream of Lough Arrow, continues to be of unsatisfactory quality with a lack of pollution-sensitive macroinvertebrates and an abundance of zebra mussels. Algal blooms in Lough Arrow have caused problems in previous years. 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 status 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: 12/8/2009

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1990	1994	1997	2000	2003	2006	2009
0060	-	4-5	-	4	4-5	4-5	4-5	4
0150	-	-	4	-	-	4-5	4-5	4
0300	5	4	3-4	3-4	4-5	3-4	4	4

Assessment: Good ecological conditions persist at all stations sampled on the Willsborough stream in 2009. However, a decline from high to good status was noted at both 0060 and 0150. Heavy silt deposition and cattle access were noted at the bridge south of Glackbaun (0060).

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

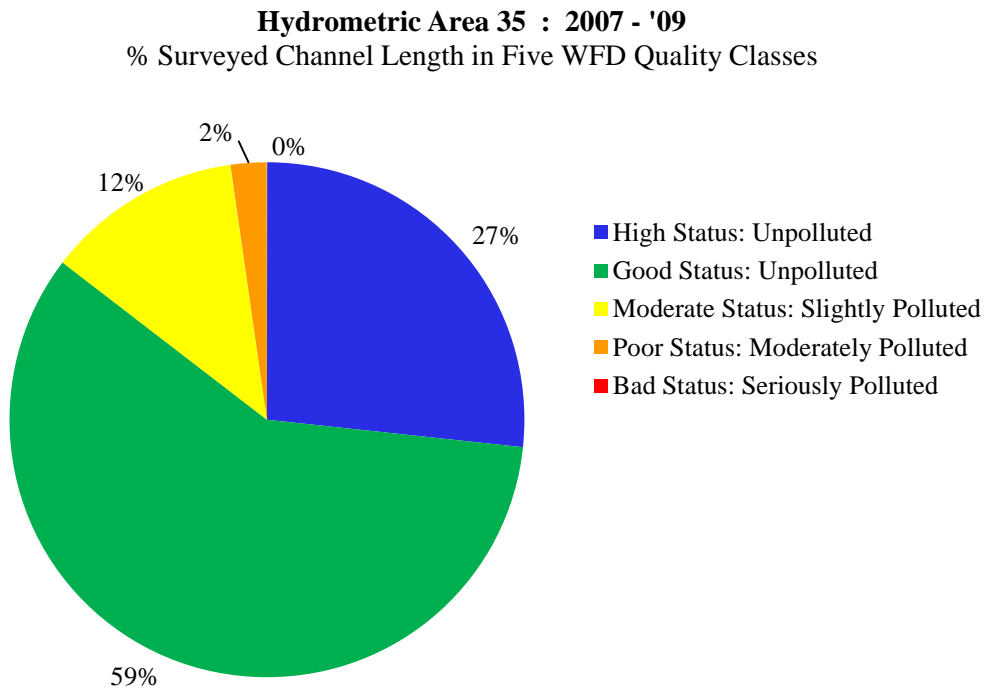
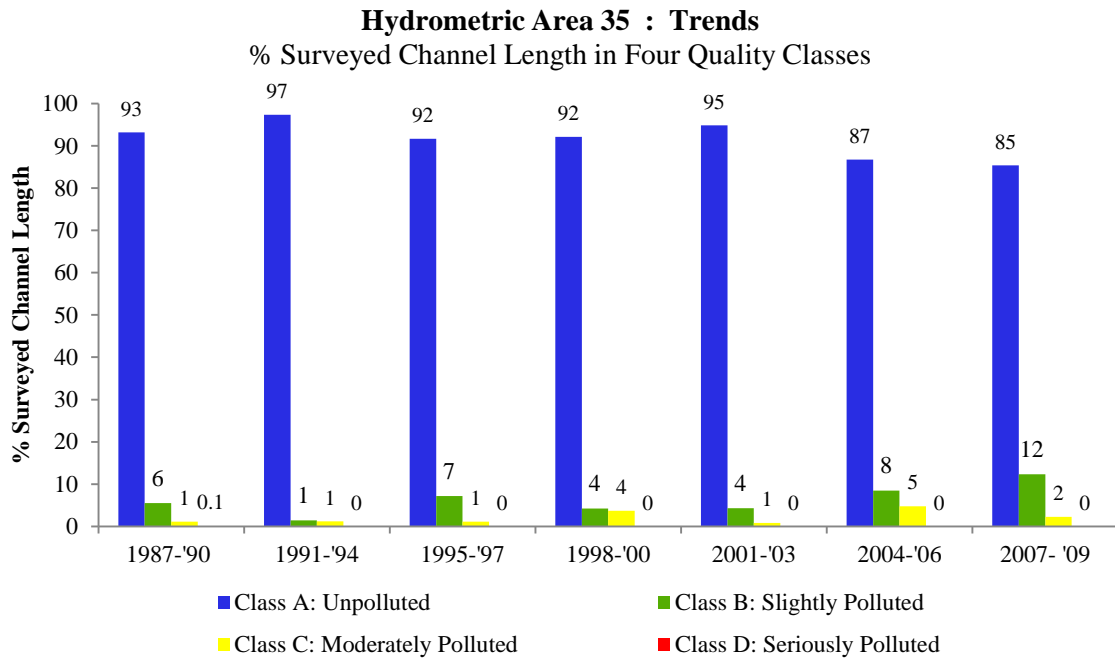
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes: A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

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	2009	35B04	0.0	2.5	0.5	2.0	0.0	5.0
Ballysodare	2009	35B05	3.5	0.0	0.0	0.0	0.0	3.5
Bonet	2009	35B06	10.2	20.4	4.5	0.0	0.0	35.0
Brackary	2009	35B10	0.0	4.0	0.0	0.0	0.0	4.0
Bradoge	2009	35B07	0.0	9.0	0.0	0.0	0.0	9.0
Buncrowey	2009	35B09	0.0	0.0	11.5	0.0	0.0	11.5
Bunnanaddan Stream	2009	35B08	0.0	0.5	0.0	3.5	0.0	4.0
Cashel Stream (Bonet)	2009	35C08	5.5	5.0	0.0	0.0	0.0	10.5
Clooneen (Sligo)	2009	35C01	0.0	14.0	0.0	0.0	0.0	14.0
Diffreen	2009	35D01	0.0	5.0	0.0	0.0	0.0	5.0
Doonbeakin	2009	35D09	0.0	0.0	6.0	0.0	0.0	6.0
Doonflin	2009	35D10	0.0	7.5	0.0	0.0	0.0	7.5
Douglas (Sligo)	2009	35D02	0.0	0.0	4.0	0.0	0.0	4.0
Drowes	2009	35D03	0.0	7.5	0.0	0.0	0.0	7.5
Drumcliffe	2009	35D04	0.0	4.0	2.0	1.0	0.0	7.0
Drumfin	2009	35D11	0.0	5.5	2.0	0.0	0.0	7.5
Duff	2009	35D05	18.0	1.0	0.0	0.0	0.0	19.0
Dunmorán	2009	35D16	6.5	3.5	0.0	0.0	0.0	10.0
Dunneill	2009	35D06	13.0	1.0	0.0	0.0	0.0	14.0
Easky	2009	35E01	3.6	22.4	0.0	0.0	0.0	26.0
Finned	2009	35F01	7.2	5.8	0.0	0.0	0.0	13.0
Garavoge	2009	35G01	0.0	4.5	0.0	0.0	0.0	4.5
Glenaniff	2009	35G02	10.0	0.0	0.0	0.0	0.0	10.0
Gowlan (Sligo)	2009	35G03	0.0	9.0	0.0	0.0	0.0	9.0
Grange (Sligo)	2009	35G04	7.5	0.5	0.0	0.0	0.0	8.0
Gurteen Stream ¹	2009	35G05	0.0	0.0	4.0	0.0	0.0	4.0
Killannumery	2009	35K03	2.8	9.3	0.0	0.0	0.0	12.0
Killoran Lough Stream	2009	35K02	0.0	6.0	0.0	0.0	0.0	6.0
Liskeagh	2009	35L02	9.5	0.0	0.0	0.0	0.0	9.5
Lugdoon Stream	2009	35L01	0.0	0.0	5.5	0.0	0.0	5.5
Owenbeg (Coolaney)	2009	35O01	0.0	23.5	0.0	0.0	0.0	23.5
Owenmore (Manorhamilton)	2009	35O08	0.0	7.0	0.0	0.0	0.0	7.0
Owenmore (Sligo)	2009	35O06	0.0	38.5	8.5	3.0	0.0	50.0
Shanvaus	2009	35S01	8.0	0.0	0.0	0.0	0.0	8.0
Tullinwillin Stream	2009	35T03	0.0	0.0	3.0	0.0	0.0	3.0
Tullynascreen	2009	35T06	0.0	5.0	0.0	0.0	0.0	5.0
Unshin	2009	35U01	6.4	14.7	1.9	0.0	0.0	23.0
Willsborough Stream	2009	35W01	0.0	9.0	0.0	0.0	0.0	9.0
Total Length (km) surveyed this cycle	2009		111.7	245.5	53.4	9.5	0.0	420.0
Adjustments (km) (See below)*			0.0	0.0	2.0	0.0	0.0	2.0
Percentages			26.7	58.7	12.3	2.3	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		357.1	51.4	9.5	0.0	418.0	
Percentages			85.4	12.3	2.3	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		362.5	35.5	20.0	0.0	418.0	
Percentages			86.7	8.5	4.8	0.0	100.0	
Changes since Previous Survey (km)			-5.4	15.9	-10.5	0.0	0.0	

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

**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



HYDROMETRIC AREA 38 (Gweebarra – Sheephaven)	
ABBERACHRIN	38A01
AIGHE	38A03
ASPICK	38A02
BIG BURN	38B03
BRACKY	38B02
BUNLIN	38B04
BURNSIDE	38B05
CALABBER	38C01
CARROWNAMADDY	38C02
CLADY (DONEGAL)	38C04
CLOGHERNAGORE	38C07
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

HYDROMETRIC AREA 38 (Gweebarra – Sheephaven)

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: 22/7/2009

38/A/01
 OS Catchment No: 49

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

Assessment: The Kilclooney Bridge site on the Abberachrin river drains a bog catchment containing some 14 lakes. As an acid river, the macroinvertebrate fauna is generally of low diversity but good ecological condition has been consistently maintained in this river.

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: 21/7/2009

Station Nos.	Biological Quality Ratings (Q Values)				
	1997	2000	2003	2006	2009
0150	1/0	4	2/0	2-3/0	3-4

Assessment: Despite an improvement in water quality in the Aighe in 2009, ecological conditions remain unsatisfactory, as indicated by a paucity of sensitive macroinvertebrate species.

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.

Hydrometric Area 38 (2009)

River and Code : **ASPICK**
 Tributary of : 38G01 GLENNA
 OS Grid Ref of Confluence: B 909 288
 Date(s) Surveyed: 15/7/2009

38/A/02

OS Catchment No: 21

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

Assessment: A welcome return to good ecological conditon was recorded for the Aspick in 2009.

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**
 Tributary of : Sea - Mulroy Bay
 OS Grid Ref of Confluence: C 196 329
 Date(s) Surveyed: 8/7/2009

38/B/03

OS Catchment No: 28

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

Assessment: The macroinvertebrate fauna continued to indicate satisfactory ecological conditions in the Big Burn in 2009.

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: 21/7/2009

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

Assessment: The lack of sensitive macroinvertebrate species indicated an unwelcome decline from good to moderate ecological condition in the Bracky in 2009. Previous surveys have noted that the Bracky is prone to being impacted by pollution occurring in the Aighe River (Q3-4 in 2009), and this appears to be a factor again this year.

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: 8/7/2009

38/B/04
 OS Catchment No: 29

Station Nos.	Biological Quality Ratings (Q Values)			
	2000	2003	2006	2009
0100	4	4-5	3/0	4

Assessment: A welcome return to satisfactory ecological condition was noted in the Bunlin in 2009 with no remaining evidence of the pollution event recorded in 2006.

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: 14/7/2009

38/B/05

OS Catchment No: u6

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0400	4	4	4	4	4	2-3	4

Assessment: The macroinvertebrate fauna indicated a welcome return to satisfactory ecological quality at Burnside in 2009, however excessive siltation and enhanced algal growth was also noted at this location.

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: 9/7/2009

38/C/01
 OS Catchment No: 27

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

Assessment: Overall ecological conditions remain satisfactory in the Calabber in 2009, however the macroinvertebrate fauna indicated a decline in quality at the upper reach at Meenamolt Br (0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Meenamolt 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**
 Tributary of : Sea-Clonmass Bay (Sheep Haven)
 OS Grid Ref of Confluence: C 053 342
 Date(s) Surveyed: 9/7/2009

38/C/02

OS Catchment No: 2

Station Nos.	Biological Quality Ratings (Q Values)							
	1973	1990	1994	1997	2000	2003	2006	2009
0300	5	4-5	4	4-5	4-5	4-5	4	4

Assessment: Ecological conditions remain satisfactory in the Carrownamaddy in 2009. A large sand quarry in this catchment is categorised as 'urban' landcover in the land use statistics for the catchment below. Extensive turf cutting is also evident in the catchment.

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 : **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: 6/8/2009, 16/7/2009

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1977	1980	1985	1990	1994	1997	2000	2003	2006	2009
0150	-	-	4	4	4-5	4	4-5	4-5	4	4-5	3-4
0300	4-5	4-5	5	4-5	4-5	4	4	4	4	4	4

Assessment: Ecological conditions remain satisfactory on the lower reaches (0300) of the Clady River in 2009, The macroinvertebrate fauna however indicated an unwelcome decline in ecological conditions at Bryan's Bridge (0150). The Clady is influenced by Lough Nacung and Dunlewy Lough which are impounded water bodies providing water and hydroelectricity. The river is located within the Fawnbog/Lough Nacung SAC.

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 : **CLOGHERNAGORE**

38/C/07

Tributary of : Abroe

OS Catchment No: 48

OS Grid Ref of Confluence: B 903 066

Date(s) Surveyed: 6/8/2009

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

Assessment: Ecological conditions remain satisfactory in the Cloghernagore in 2009. An acidic system (conductivity 69.3 $\mu\text{S}/\text{cm}$), the Cloghernagore drains a granite catchment dominated by peat bog and moorland. The river forms part of the Cloghernagore Bog SAC, which is contiguous with Glenveagh National Park. Characteristically, the river has low macroinvertebrate diversity (only eight taxa recorded) and it also lacks many of the typical sensitive species. The station sampled is also notable for its extensive growths of filamentous algae. It is thus somewhat unusual, but the absence of any obvious pressures suggests that the acidity of the system has significantly reduced the ability of grazers to control filamentous algae and that reduced grazing pressure may have resulted in the significant biomass of filamentous algae that was observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S of Cloghernagore	191423	406379	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	77	6	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 : **CORVEEN** **38/C/05**
 Tributary of : 38O09 OWENCRONAHULLA OS Catchment No: 19
 OS Grid Ref of Confluence: B 828 273
 Date(s) Surveyed: 16/7/2009

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

Assessment: Ecological conditions remain unsatisfactory in the Corveen Burn in 2009, with enhanced filamentous algal growths and reduced macroinvertebrate diversity indicating moderate pollution. It also had significant filamentous algal growths when surveyed in September 2003. The catchment is an acidic catchment underlain by granite. It has a small amount of forestry and generally low intensity agriculture, with the dominant land cover being blanket bog. In general the catchment appears to be subject to a low level of impact but there are a number of one-off houses in the catchment. This type of river is likely to be highly sensitive to inputs from point and diffuse sources.

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: 5/8/2009

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

Assessment: High ecological quality was maintained in the Cronaniv Burn in 2009 which flows out of the 'Poisoned Glen' an area that appears to be very close to pristine condition. The fauna is sparse and indicates fairly acidic conditions dominated by stoneflies but with some ephemeropterans, with few Baetis, a genus believed to be highly acid sensitive. A reasonable amount of filamentous algae was noted. Anthropogenic impacts in this catchment are likely to be minimal and the river provides an example of a high quality reference site.

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: 5/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0080	4-5	4	5	5	5	5	5

Assessment: Highly satisfactory ecological conditions were observed in this naturally acidic river when surveyed in August 2009. Its catchment is one of the most pristine catchments in Ireland in the sense that there are no intensive land use pressures upstream of the sample point. Unexploited upland bogs, moorland and some natural grasslands are the only land use categories on the CORINE land cover map for the catchment. It is part of the Glenveagh/Cloghernagore SAC/NHA.

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: 23/7/2009

38/D/02

OS Catchment No: 16

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1990	1994	1997	2000	2003	2006	2009
0020	-	-	4	4	4-5	4-5	4	4	3-4
0150	5	5	4	4	4	4-5	4	4	-
0250	-	-	3	3	3	3	3	3	3-4

Assessment: The macroinvertebrate fauna indicated an unwelcome decline from good to moderate in ecological condition of the upper reaches (0020) of the Dungloe in 2009. The lower reach, below the town of Dungloe, continues to be of unsatisfactory quality although a slight improvement was noted.

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: 9/7/2009

38/D/03

OS Catchment No: 26

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

Assessment: Ecological conditions remain satisfactory in the lower reach of Duntally in 2009, however, the macroinvertebrate fauna indicated a slight decline in quality at the site sampled (0500). Domestic rubbish dumping is obviously a problem at this bridge east of Cresslough, with extensive refuse observed.

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 Cresslough	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: 22/7/2009

38/D/05

OS Catchment No: 49

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

Assessment: The Duvoge was found to be of satisfactory ecological condition when sampled in 2009 although enhanced macrophyte growth and excessive siltation were noted.

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: 15/7/2009

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

Assessment: The macroinvertebrate fauna indicated a welcome return to satisfactory ecological condition in the Duvowen in 2009. This river drains the catchment which contains the closed Muckish Landfill.

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: 9/7/2009

38/F/01
 OS Catchment No: 25

Station Nos.	Biological Quality Ratings (Q Values)								
	1973	1986	1990	1994	1997	2000	2003	2006	2009
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

Assessment: The predominance of pollution-tolerant macroinvertebrates indicated that unsatisfactory ecological conditions persisted at Faymore in 2009. Sewage discharges from Creeslough may be a contributing factor.

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: 14/7/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0400	5	4-5	-	4-5	4-5	4	4
0900	5	4	4-5	4-5	-	4	-

Assessment: Satisfactory ecological conditions were maintained at Glen (Lackagh) in 2009.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br NW of Highglen	213706	429668	2	DL
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: 15/7/2009

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

Assessment: Satisfactory ecological conditions were maintained in the Glen (Meenaclady) in 2009.

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: 6/8/2009

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

Assessment: Satisfactory ecological condition was maintained in the Glenleheen stream in 2009, although bank erosion remains a problem. Cattle access should be restricted by appropriate fencing.

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: 15/7/2009

38/G/01
 OS Catchment No: 21

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

Assessment: Ecological conditions continued to be highly satisfactory in the Glenna in 2009.

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**

38/G/06

Tributary of : Lough Nacung Upper

OS Catchment No: 23

OS Grid Ref of Confluence: B 898 191

Date(s) Surveyed: 5/8/2009

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

Assessment: Although ecological condition remains satisfactory in the Glentornan in 2009, there was a decline in quality at the site sampled (0100) and excessive macroalgae was noted, indicating some enrichment. This Lough Nacung tributary drains a catchment which has a high percentage of mature forest cover.

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: 6/8/2009, 23/7/2009

38/G/02

OS Catchment No: 48

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1980	1985	1990	1994	1997	2000	2003	2006	2009
0100	-	5	5	5	4-5	5	5	4-5	4-5	4-5
0200	-	5	-	-	3	3-4	4-5	4	3-4	3-4
0300	5	5	5	4-5	4-5	5	4-5	5	4-5	4

Assessment: Highly satisfactory ecological conditions were once again recorded in the upper reaches of the Gweebarra. The middle site (0200) remains unsatisfactory as indicated by a paucity of sensitive macroinvertebrate taxa, excessive siltation and enhanced macroalgal growth. This site is adjacent to a large forestry plantation largely planted on blanket peat soils. The lower site (0300), upstream of Gweebarra Estuary, remains in satisfactory condition but has experienced a decline in quality in 2009. The Gweebarra River is located in the Cloghernagore Bog and Glenveagh National Park SAC/NHA region.

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: 16/7/2009

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
0100	4	4	4	4	4	4	5	4-5	4	4	3-4
0300	4	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	3-4	3-4

Assessment: An unwelcome decline in ecological condition at the upper site (0100) was observed in 2009, and resulted in an overall unsatisfactory rating being applied to the Gweedore River. Moderate pollution continues at the lower site (0300), possibly due to waterworks impact. Lough Anure which is relatively eutrophic has a discernible impact on the Gweedore River causing it to be somewhat more eutrophic than would be expected for this type of river. The catchment of the Gweedore River and Lough Anure is primarily a peaty one with poorly drained, persistently wet soils. The relatively high density of one-off houses with septic tanks in the catchment is felt to be one of the main causes of the eutrophication of Lough Anure.

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: 16/7/2009

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
0200	5	4	4	4	4	3-4	3	3	2/0	2-3	2-3

Assessment: Ecological conditions remain unsatisfactory in 2009. The macroinvertebrate fauna exhibits limited diversity, and the presence of excessive siltation and an extensive gelatinous substance clogging the sampling net indicate ecological disruption. The impact of the Crolly water treatment filter works at Meenaweal is still evident in the Keel Lough Stream, some 700m downstream of the plant.

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: 14/7/2009

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

Assessment: The Lough Agher has returned to its highly satisfactory ecological condition in 2009, as indicated by the dominance of sensitive macroinvertebrate fauna.

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: 8/7/2009

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

Assessment: Satisfactory ecological conditions were maintained in the Loughkeel Burn in 2009.

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: 21/7/2009

38/M/03
 OS Catchment No: h6

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1986	1990	1994	1997	2000	2003	2006	2009
0250	-	-	-	-	-	-	4	4	-
0300	5	4	4-5	-	-	-	2/0	2-3	-
0400	5	5	4-5	4-5	4-5	4-5	2/0	3	3

Assessment: The lower reach of the Murlin (0300) remains in an unsatisfactory ecological condition in 2009. The continued dominance of pollution-tolerant macroinvertebrate taxa indicates ongoing pollution problems.

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: 16/7/2009

38/O/01
 OS Catchment No: 22

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

Assessment: Although satisfactory ecological conditions were maintained in the Owenator in 2009, a slight decline in quality was noted, as indicated by a reduction in diversity of sensitive macroinvertebrate taxa.

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: 15/7/2009

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

Assessment: The Owenawillin appears to not be achieving its full ecological potential with a lack of pollution-sensitive species again noted in July 2009. The Owenawillin is an acidic system, draining a granite catchment with a predominantly blanket peat soil.

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: 6/8/2009, 9/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1973	1985	1990	1994	1997	2000	2003	2006	2009
0150	-	4	4-5	4	4	4-5	4-5	4-5	4
0300	5	5	5	4	4-5	4-5	4-5	4-5	4-5

Assessment: Although satisfactory ecological conditions were maintained in the Owencarrow in 2009, a slight decrease in quality was noted at the upper station (0150). The Owencarrow flows from Lough Beagh in Glenveagh National Park and has historically been of good quality over its length.

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: 16/7/2009

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

Assessment: Ecological condition remains satisfactory in the Owencronahulla in 2009.

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: 22/7/2009

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
0100	5	5	5	5	4-5	5	5	4-5	4-5	4	4	4
0300	5	5	5	5	5	4	4	5	4	4	3-4	-
0500	5	5	5	4	4	4	4	4-5	4	4	4	4

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions at both stations sampled on the Owenea in 2009.

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
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: 23/7/2009

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

Assessment: An unwelcome decline in ecological quality from good to moderate was apparent at Owennamarve in 2009. A lack of pollution sensitive macroinvertebrate fauna and increase in algal growth was noted.

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: 21/7/2009, 22/7/2009

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
0010	-	-	-	-	-	-	4	4-5	4-5	4	4	-
0050	-	5	-	5	5	5	4	4-5	4-5	4	4	4
0100	-	-	5	5	5	-	4-5	-	4-5	4	4	-
0300	5	5	5	4	3-4	4	4	4	2-3	3	3-4	4

Assessment: A welcome return to good ecological condition was noted at the lowermost station (0300), downstream of Ardara, resulting in satisfactory conditions overall in the Owentocker in 2009.

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: 6/8/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0080	5	5	5	5	5	5	5

Assessment: The Owenveagh River located in Glenveagh National Park continues to be of high ecological status, with little change from previous surveys. It is perhaps one of the best examples of an undisturbed river system in Ireland.

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: 23/7/2009, 23/9/2009

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	2000	2003	2006	2009
0100	5	4-5	-	4-5	5	4-5	4
0250	5	4-5	4-5	5	4-5	4-5	4

Assessment: Although ecological conditions remain satisfactory in the Owenwee (Doocharry), both sites show an unwelcome increase in algal growth, and corresponding decline from high to good quality in 2009.

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: 5/8/2009

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

Assessment: The Owenwee (Dunlewy) flows from Errigal into Dunlewy Lough. Although of generally satisfactory ecological quality in 2009, a decline from high to good quality was recorded. Signs of nutrient enrichment such as decrease in diversity of pollution sensitive macroinvertebrates and excessive algal growth were apparent at the site surveyed (0200).

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: 14/7/2009

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

Assessment: Ecological quality in this Glen Lough tributary remained in satisfactory condition in 2009, however a decline from high to good status was noted. The catchment upstream of the Owenwee (Glen Lough) is predominantly upland bog and sections of it are in the Derriscligh Bog NHA. The significant numbers of new housing and associated septic tanks in the catchment may be risk factors to reinstating high ecological condition.

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: 21/7/2009

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

Assessment: The macroinvertebrate fauna continues to indicate satisfactory ecological conditions on the Owenwee (Loughros) at the sampling station upstream of Maghera. This river is part of the Slieve Tooye NHA and the catchment has significant areas of natural grasslands.

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: 21/7/2009

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

Assessment: The Port Stream is one of Ireland's more remote rivers flowing through a treeless catchment with no inhabitants. The decline in quality observed in the 2006 survey has been further compounded in 2009, with ecological condition now unsatisfactory. Excessive algal growth was present, with overgrazing by sheep a contributing factor to nutrient enrichment.

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**

38/R/01

Tributary of : Sea - S.W. of Dooros Point

OS Catchment No: 3

OS Grid Ref of Confluence: B 948 348

Date(s) Surveyed: 14/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1973	1985	1990	1994	1997	2000	2003	2006	2009
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

Assessment: The Ray drains two SAC regions - Muckish Mountain and the Cloghernagore Bog/Glenveagh National Park complex. Marked improvement in ecological condition was noted at the downstream site, Drumavoghy Bridge (0200), in 2009. Good diversity of pollution sensitive taxa was noted.

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: 22/7/2009

38/S/03
 OS Catchment No: 50

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

Assessment: An unwelcome decline in ecological condition was noted in the Shallogan in 2009, resulting in unsatisfactory quality recorded for the first time. Increased algal growth and siltation were apparent.

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: 5/8/2009

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

Assessment: The entire catchment of the Sruhannameel is in the Cloghernagore/Clenveagh SAC. Although the stream remains in satisfactory ecological condition, a decline from high to good quality was noted in 2009. Increased algal growth is indicative of nutrient enrichment.

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**

38/S/01

Tributary of : 38O04 OWENEA

OS Catchment No: 50

OS Grid Ref of Confluence: G 813 937

Date(s) Surveyed: 22/7/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1977	1981	1990	1994	1997	2000	2003	2006	2009
0050	-	-	5	5	4-5	5	5	4-5	4	-
0200	4-5	3-4	4-5	3-4	4	4	4	3	3	3

Assessment: Only one site on the Stracashel was sampled in 2009, the downstream site at Glenties. This site (0200) remains in unsatisfactory condition, with evidence of sewage pollution. The main ecological pressure is municipal discharges.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge d/s Shallogan River	183825	396395	11	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: 14/7/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1990	1994	1997	2000	2003	2006	2007	2009
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
0300	5	5	-	-	-	-	3	4	-
0400	5	5	4-5	4-5	4	4-5	3	4	3-4

Assessment: Overall ecological quality in the Tullaghobegly was unsatisfactory in July 2009. Although a slight improvement in ecological condition was noted downstream of the Altan fish farm.

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 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Abberachrin	2009	38A01	0.0	5.0	0.0	0.0	0.0	5.0
Aighe	2009	38A03	0.0	2.0	1.0	0.0	0.0	3.0
Aspick	2009	38A02	0.0	3.0	0.0	0.0	0.0	3.0
Big Burn	2009	38B03	0.0	5.0	0.0	0.0	0.0	5.0
Bracky	2009	38B02	0.0	0.0	0.0	1.5	0.0	1.5
Bunlin	2009	38B04	0.0	4.0	0.0	0.0	0.0	4.0
Burnside	2009	38B05	0.0	4.0	0.0	0.0	0.0	4.0
Calabber	2009	38C01	4.0	3.5	0.0	0.0	0.0	7.5
Carrownamaddy	2009	38C02	0.0	6.5	0.0	0.0	0.0	6.5
Clady (Donegal)	2009	38C04	0.0	3.5	4.0	0.0	0.0	7.5
Cloghernagore	2009	38C07	0.0	2.5	0.0	0.0	0.0	2.5
Corveen	2009	38C05	0.0	0.0	3.0	0.0	0.0	3.0
Cronaniv Burn	2009	38C06	2.0	0.0	0.0	0.0	0.0	2.0
Devlin (Donegal)	2009	38D01	5.0	0.0	0.0	0.0	0.0	5.0
Dungloe	2009	38D02	0.0	3.0	7.0	0.0	0.0	10.0
Duntally	2009	38D03	0.0	6.5	0.0	0.0	0.0	6.5
Duvoge	2009	38D05	0.0	3.0	0.0	0.0	0.0	3.0
Duvowen (Ray)	2009	38D04	0.0	2.5	0.0	0.0	0.0	2.5
Faymore	2009	38F01	0.0	0.0	7.0	0.0	0.0	7.0
Glen (Lackagh)	2009	38G04	0.0	5.5	0.0	0.0	0.0	5.5
Glen (Meenclady)	2009	38G05	0.0	4.0	0.0	0.0	0.0	4.0
Glenleheen Stream	2009	38G07	0.0	5.5	0.0	0.0	0.0	5.5
Glenna	2009	38G01	2.5	6.5	0.0	0.0	0.0	9.0
Glentornan	2009	38G06	0.0	2.5	0.0	0.0	0.0	2.5
Gweebarra	2009	38G02	9.0	4.0	1.0	0.0	0.0	14.0
Gweedore	2009	38G03	0.0	0.0	5.5	0.0	0.0	5.5
Keel Lough Stream	2009	38K01	0.0	2.0	1.0	2.0	0.0	5.0
Lough Agher Stream	2009	38L02	4.0	0.0	0.0	0.0	0.0	4.0
Loughkeel Burn	2009	38L03	0.0	2.0	0.0	0.0	0.0	2.0
Murlin	2009	38M03	0.0	4.0	0.0	1.0	0.0	5.0
Owenator	2009	38O01	0.0	8.0	0.0	0.0	0.0	8.0
Owenawillin	2009	38O10	0.0	0.0	3.0	0.0	0.0	3.0
Owencarrow	2009	38O03	4.6	3.4	0.0	0.0	0.0	8.0
Owencronahulla	2009	38O09	0.0	5.0	0.0	0.0	0.0	5.0
Owenea	2009	38O04	0.0	18.0	4.0	0.0	0.0	22.0
Owennamarve	2009	38O05	0.0	9.5	0.5	0.0	0.0	10.0
Owentocker	2009	38O06	0.0	17.0	0.0	0.0	0.0	17.0
Owenveagh	2009	38O14	4.0	0.0	0.0	0.0	0.0	4.0
Owenwee (Doocharry)	2009	38O07	0.0	6.0	0.0	0.0	0.0	6.0
Owenwee (Dunlewey)	2009	38O12	0.0	3.0	0.0	0.0	0.0	3.0
Owenwee (Glen Lough)	2009	38O13	0.0	2.0	0.0	0.0	0.0	2.0
Owenwee (Loughros)	2009	38O08	0.0	3.0	0.0	0.0	0.0	3.0
Port Stream	2009	38P01	0.0	0.0	2.0	0.0	0.0	2.0
Ray	2009	38R01	9.0	0.0	0.0	0.0	0.0	9.0
Shallogan	2009	38S03	0.0	0.0	6.0	0.0	0.0	6.0
Sruhanameel	2009	38S02	0.0	2.0	0.0	0.0	0.0	2.0
Stracashel	2009	38S01	0.0	3.5	0.0	0.5	0.0	4.0
Tullaghobegley	2009	38T01	0.0	0.0	9.0	0.0	0.0	9.0

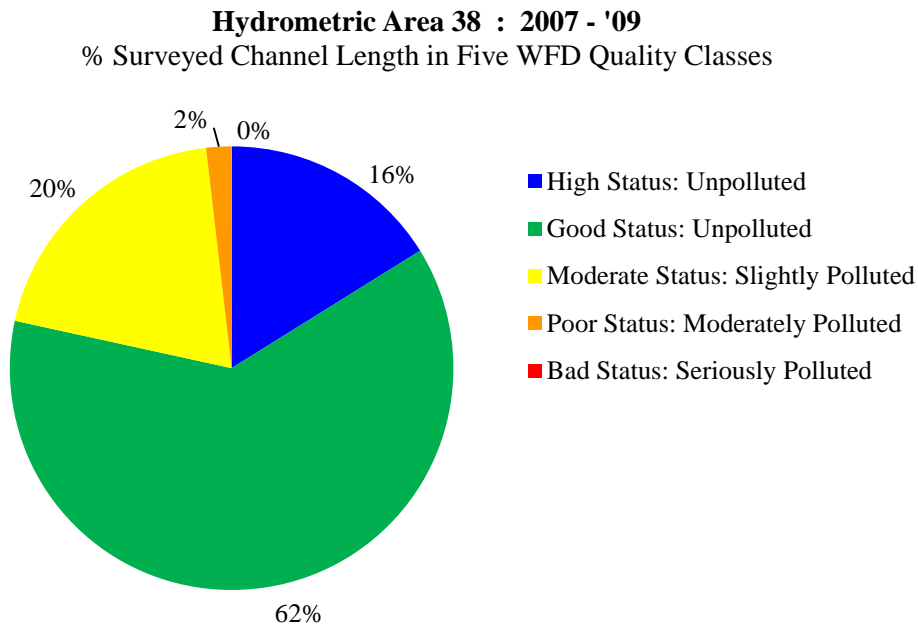
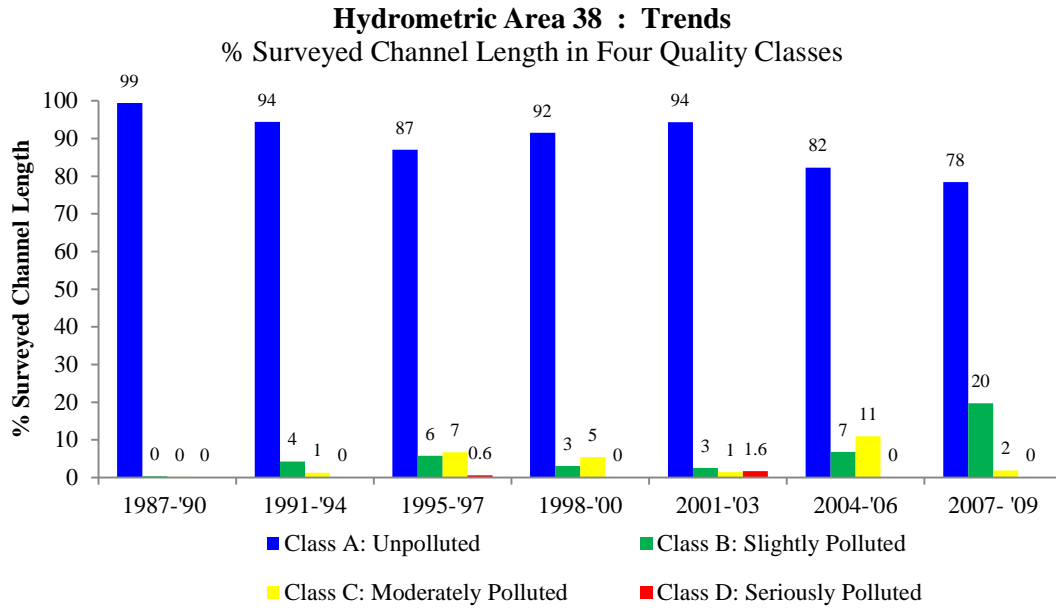
Hydrometric Area 38 (2009)

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	2009		44.1	170.4	54.0	5.0	0.0	273.5
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			16.1	62.3	19.7	1.8	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		214.5	54.0	5.0	0.0	273.5	
<i>Percentages</i>			78.4	19.7	1.8	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		225.0	18.5	30.0	0.0	273.5	
<i>Percentages</i>			82.3	6.8	11.0	0.0	100.0	
Changes since Previous Survey (km)			-10.5	35.5	-25.0	0.0	0.0	

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

** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.



ADDITIONAL SURVEYS

Seriously Polluted & Investigative Sites

HYDROMETRIC AREA 08 (Dunshaughlin Stream)

DUNSHAUGHLIN STREAM *

08D03

* DUNSHAUGHLIN STREAM Formerly Broadmeadow North Branch 08B02

River and Code : **DUNSHAUGHLIN STREAM**

08/D/03

Tributary of : 08B02 BROADMEADOW

OS Catchment No: 164

OS Grid Ref of Confluence: O 057 522

Date(s) Surveyed: 20/10/2009

Formerly Broadmeadow North Branch 08B02

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1974	1976	1981	1983	1985	1987	1988	1989	1996	1998	2001	2005	2008	2009
0300	2	3	2	2	2	2-3	2	2-3	3	2-3	1-2	3	2-3/0	3	2	3

Assessment: Poor ecological conditions continue at Cookstown Bridge (0300) on the Dunshaughlin Stream in 2009. Although the macroinvertebrate community indicated an improvement from the serious pollution status noted in 2008, the complete lack of sensitive species and dominance of the pollution tolerant water louse continues to indicate significant ecological disruption.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Cookstown Br	304955	252580	43	MH

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	68	15	0	100	75	0	0	5	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.

HYDROMETRIC AREA 11 (Aughboy (Wexford))

AUGHBOY (WEXFORD)

11A02

River and Code : **AUGHBOY (WEXFORD)**

11/A/02

Tributary of : 11O01 OWENAVORRAGH

OS Catchment No: 177

OS Grid Ref of Confluence: T 200 562

Date(s) Surveyed: 14/10/2009

Station Nos.	Biological Quality Ratings (Q Values)								
	1989	1993	1995	1998	2001	2005	2007	2008	2009
0180	3	3	2	1	2	3	2-3	-	-
0200	-	-	-	-	-	-	2*	2	2-3*

Assessment: Poor ecological conditions were noted on the Aughboy (Wexford) River at Riverchapel (0200) in 2009, however the macroinvertebrate fauna indicated a slight improvement from the bad ecological conditions noted in 2008.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0180	Riverchapel Br	319604	155346	69	WX
0200	Br at Riverchapel	319605	155347	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0180	6	12	100	0	93	0	0	4	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.

HYDROMETRIC AREA 16 (Borrisoleigh Stream, St. Johns)

BORRISOLEIGH STREAM	16B06
# ST JOHN'S *	16S03

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

River and Code : **BORRISOLEIGH STREAM**

16/B/06

Tributary of : 16F03 FISHMOYNE

OS Catchment No: 182

OS Grid Ref of Confluence: S 042 639

Date(s) Surveyed: 24/11/2009

Station Nos.	1980	1981	1988	1992	1996	1999	Biological Quality Ratings (Q Values)				
							2003	2006	2007	2008	2009
0200	-	-	-	-	4	4	4	4	-	4	-
0400	-	-	4	4	4	4	4	3-4	-	-	-
0600	3	4	3	2-3	2-3	3	3	2	2	2	3-4
0700	-	-	3-4	3	3	3	3-4	3	-	-	-

Assessment: Improved with Moderate ecological quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NE of Ballyduff	198737	166942	59	TY
0400	Ballyroan Br	202057	167348	59	TY
0600	Br 0.5 km SE of Borrisoleigh	203439	166401	59	TY
0700	Br u/s Fishmoyne R confl	204086	164008	59	TY

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	100	0	69	0	0	0	31	0	0
0400	110	11	100	0	74	0	0	0	26	0	0
0600	97	14	93	7	77	0	0	2	20	0	0
0700	86	25	71	29	83	0	0	2	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.

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: 1/7/2009

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

Assessment: Bad and Poor ecological quality respectively at Bleach Bridge and Wyse's Bridge. A sewage storm-overflow pipe was discharging from left-hand side, 30m upstream of Wyse's Bridge, at time of survey with faeces and other sanitary material being deposited along that side of river.

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

HYDROMETRIC AREA 23 (Lee (Tralee))

LEE (TRALEE) *

23L01

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

River and Code : **LEE (TRALEE)**

23/L/01

Tributary of : Sea - Tralee Bay

OS Catchment No: 196

OS Grid Ref of Confluence: Q 815 132

Date(s) Surveyed: 11/11/2009

Station Nos.	Biological Quality Ratings (Q Values)									
	1985	1987	1991	1996	1998	2001	2004	2007	2008	2009
0030	-	3	3	2	3	2	3-4	2	2	2
0035	-	3	3	4	3	3-4	3-4	4	-	-
0040	-	3	4	-	-	-	-	-	-	-
0050	4	3	4	4	3-4	3-4	4	4	-	-
0100	3-4	3-4	4	3	3	2-3	3	3-4	-	-

Assessment: Again grossly polluted conditions, along right-hand side of river, by suspected farm wastes.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Ahnambraher Br (RHS)	89700	114346	71	KY
0035	Ahnambraher Br (LHS)	89700	114346	71	KY
0040	Br d/s Ahnambraher Br	0	0	0	KY
0050	Ballyseedy Br	87875	112886	71	KY
0100	2nd Br d/s Bally Mullen Mills	84460	113368	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	34	19	0	100	70	1	18	0	0	0	11
0035	34	19	0	100	70	1	18	0	0	0	11
0050	12	31	12	88	75	1	11	2	3	0	8
0100	5	62	20	80	67	1	15	4	9	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.

HYDROMETRIC AREA 34 (Tubbercurry, Tubbercurry Stream)

TUBBERCURRY	34T02
# TUBBERCURRY STREAM	34T03

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

River and Code : **TUBBERCURRY**

34/T/02

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 270 085

Date(s) Surveyed: 20/8/2009

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1977	1979	1980	1982	1986	1989	1990	1993	1995	1998	2001	2003	2004	2007	2008	2009
0005	-	-	-	-	4	4	4-5	4-5	-	4-5	-	-	-	-	-	-	-	-
0050	-	-	-	-	1	1-2	2-3	2	1-2	2	2	2-3	2	-	1-2	1-2	2	1-2
0100	1/0	1	1	1	2	3	3	-	-	2-3	-	-	-	-	-	-	-	-
0150	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-
0200	-	-	-	3	3	3	3-4	3	-	3	3	3	3	3	2-3	3	-	-

Assessment: The macroinvertebrate fauna continues to indicate serious pollution in the Tubbercurry and Tubbercurry Stream in 2009, most likely due to sewage discharges.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0005	Br N. of Carrowtubber	152157	313820	25	SO
0050	Br 1 km W. of Tubbercurry	151078	311707	25	SO
0100	Br N. of Rue Cross Roads	150280	311600	24	SO
0150	Br N of Tullanaglug	148618	311525	25	SO
0200	Br just u/s Moy River	147608	311425	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	72	16	0	100	65	0	13	8	13	0	0
0200	50	22	0	100	73	0	11	6	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 : **TUBBERCURRY STREAM**

34/T/03

Tributary of : 34T02 TUBBERCURRY

OS Catchment No: 110

OS Grid Ref of Confluence: G 514 120

Date(s) Surveyed: 20/8/2009

Station Nos.	Biological Quality Ratings (Q Values)			
	2004	2007	2008	2009
0300	2	-	-	-
0400	1-2	1-2	2	2
0500	1-2	-	-	-

Assessment: The Tubbercurry Stream was again seriously polluted in 2009 due to poorly treated sewage discharges upstream of the existing treatment plant in Tubbercurry.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	N17 Bridge in Tubbercurry	152136	311935	25	SO
0400	At old railway bridge	151965	312030	25	SO
0500	0.1 km d/s old Railway Br	151850	312065	25	SO

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 Dhramhthrealamh 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; leibhéil 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 shainiú, 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 leibhéil 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 chinn-teoireacht 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 comhshaoil 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 inné agus le comhairle a chur ar an mBord.

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