

Interim Report on the Biological Survey of River Quality

Results of the 2007 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.*

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

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- 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.

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- 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.
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- Enforcing Regulations such as Waste Electrical and Electronic Equipment (WEEE), Restriction of Hazardous Substances (RoHS) and substances that deplete the ozone layer.
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- 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*).

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- 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.

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

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

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- 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.
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- Advising Government on matters relating to radiological safety and emergency response.
- Developing a National Hazardous Waste Management Plan to prevent and manage hazardous waste.

Awareness Raising and Behavioural Change

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

Management and structure of the EPA

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

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

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



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Results of the 2007 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 of animal manure slurries. Eutrophication of surface waters may be also encountered in areas where land is disturbed for peat harvesting or forestry

purposes. Organic pollution is a term used to describe the oxygen depleting effects caused by the breakdown of organic wastes (e.g. sewage) in receiving waters. This bio-degradation 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., run-off from land of wastes from intensive animal-rearing operations, the development of which in the past 30 years has been accompanied by a very marked increase in the extent of eutrophication.

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

National surveys of Irish rivers have been carried out on a continuous basis since 1971 when 2,900 km of river channel was first surveyed. The surveys presently combine general chemical and biological assessments with some 13,200 km of river channel surveyed over each three year

cycle (Clabby *et al.*, 2008, Toner *et al.*, 2005).

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

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

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

The EPA Quality Rating System (Q-Value) has been employed to determine the quality status of the macroinvertebrate communities at river sites across the

country since the 1970s. This system was tested and intercalibrated at European level (2008/915/EC) and was adopted as the official macroinvertebrate classification system for assessing rivers in the Republic of Ireland (Statutory Instrument No. 272 of 2009). The River Hydromorphological Assessment Technique (RHAT) is applied to assess hydromorphology and to differentiate between high and good ecological status sites.

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

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

Biological Assessment

In the presence of pollution, characteristic and well-documented changes are induced in the flora and fauna of rivers and streams. Particularly well-documented are the changes brought about by organic pollution in the macroinvertebrate community, i.e., the immature aquatic stages of aerial insects (mayflies, stoneflies

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

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

Biological material for examination is obtained by kick-sampling with a standard pond net in the shallower, faster-flowing areas (riffles) and the assessment of water quality is made on site. The relative proportion of the various macroinvertebrate organisms in the sample is determined. Water quality is inferred by a comparison of this data with that which might be expected from unpolluted habitats of the type under investigation.

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

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

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

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

Class B (slightly polluted) waters are mainly characterised by eutrophication and frequently also by some deposition of silt on the substratum; eutrophication is the artificial over-enrichment of waters by phosphorus and/or nitrogen which in rivers may cause excessive growths of rooted plants and filamentous algae. The respiration of these plants may be

sufficient to deplete dissolved oxygen (DO) to such a degree that game fish, especially the young stages, may be killed in extreme circumstances. DO levels can drop significantly at night when photosynthetic activity has ceased.

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

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

From 2007 onwards a five-class quality system will replace the current four-class system. The new class was created by dividing the existing Class A (unpolluted) category into two new classes – High Status and Good Status waters – in compliance with the WFD classification requirements. These have already been intercalibrated at European level for a range of biological quality elements to ensure comparability between Irish river status assessments and those of other countries.

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

The EPA National Biological Rivers programme is part of the WFD monitoring programme and is carried out over a three year cycle. A total of 831 survey visits were carried out on 380 rivers and streams in 2007. A total of 14 hydrometric areas were surveyed in full while one hydrometric area (HA 01) was partially surveyed.

The 2007 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 2007 are also presented, including Investigative surveys, Exchange of Information surveys and Seriously Polluted site surveys. The Enforcement of Seriously Polluted River Stations Programme

commenced in 2007. Any site deemed to be seriously polluted (i.e. Q2-Q1) upon survey, will warrant annual biological surveys and further investigation by the EPA Office of Environmental Enforcement until such time when the condition improves. Once the station improves surveys return to the normal three year survey cycle at the site.

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

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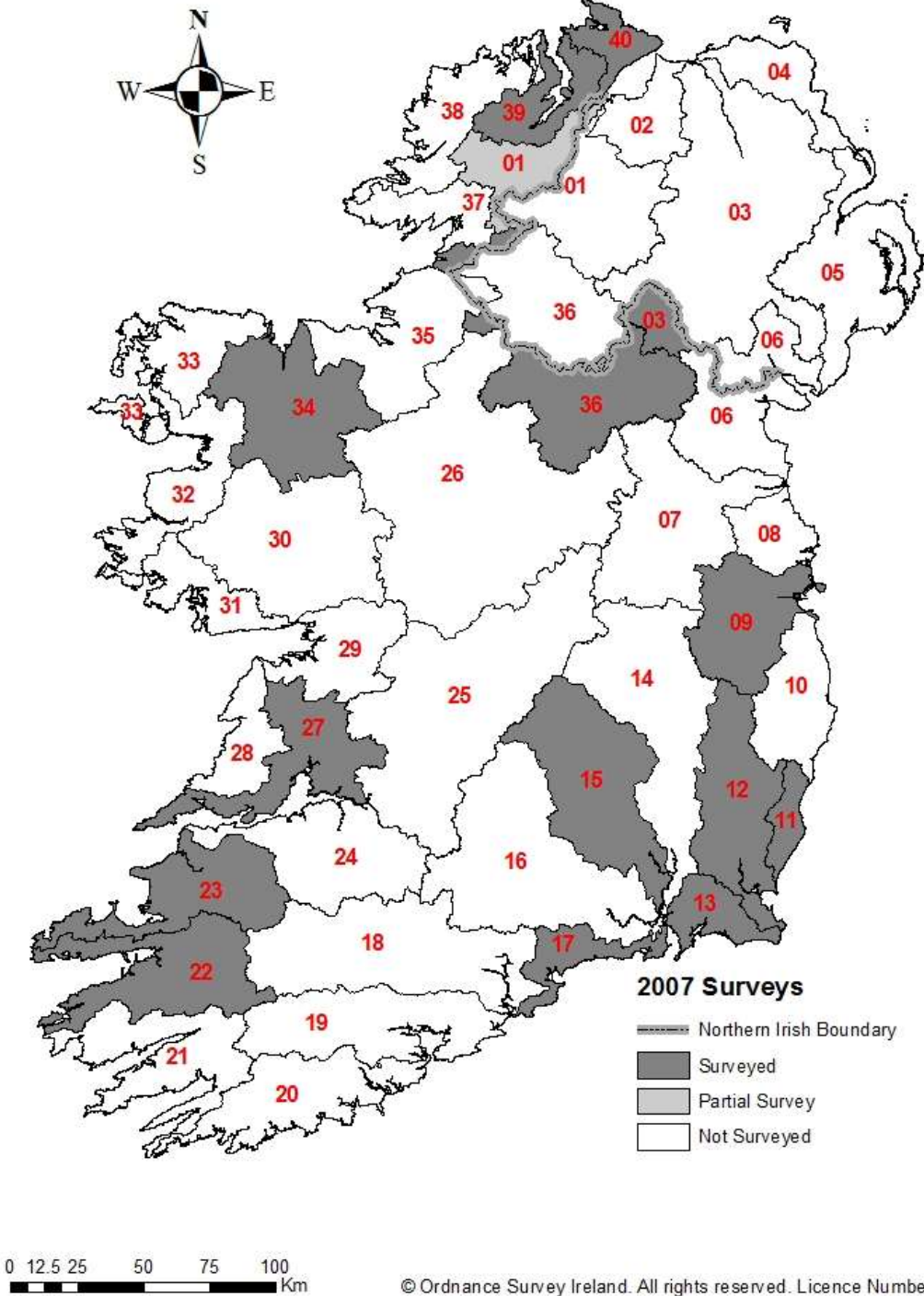
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Table 1: The EPA Q-value classification system and its relationship to water quality

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

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

Principal Hydrometric Areas Surveyed



HYDROMETRIC AREA 01 (Foyle: Partial Survey)

Partial Survey Only, Balance of Survey in 2008

BUNADAOWEN	01B01
BURN DAURNETT	01B02
CARRIGANS	01C01
CLOGHER (FINN)	01C06
CLOGHROE	01C05
CROSS ROADS STREAM	01C04
CUMMIRK	01C03
DEELE (DONEGAL)	01D01
ELATAGH	01E02
FINN (DONEGAL)	01F01
GREENHILL STREAM *	01G02
MOURNE BEG	01M01
REELAN	01R01
ROUGH BURN	01R02
# ST JOHNSTON	01S01
STRANAGOPPOGE	01S02
# SWILLY BURN	01S03

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

* GREENHILL STREAM Previously part of Carrigans 01C01

River and Code : **BUNADAOWEN**
 Tributary of : 01M01 MOURNE BEG
 OS Grid Ref of Confluence: H 082 879
 Date(s) Surveyed: 30/7/2007

01/B/01
 OS Catchment No: 63

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	4*	3	4*	3	3*	3	3

Assessment: The Bunadaowen is a very acidic river impacted by forestry plantations. No major change in status was noted in comparison with the 2004 survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Mourne Beg confl	208144	387425	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	151	10	93	7	0	44	30	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 : **BURN DAURNETT**
 Tributary of : 01F01 FINN (DONEGAL)
 OS Grid Ref of Confluence: H 143 944
 Date(s) Surveyed: 1/8/2007, 30/7/2007

01/B/02
 OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)									
	1975	1987	1988	1990	1994	1997	1998	2001	2004	2007
0010	-	4-5	-	3	3	3	2-3	2-3	2-3/0	2-3
0200	1/0	1-2	2-3	1	2-3	2-3	2-3	2-3	2-3	3

Assessment: The Burn Daurnett remained in poor condition. The main impact on quality was a discharge from the water works upstream of Station 0010.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Blackburn Bridge	209556	391993	12	DL
0200	Bridge N.W. of Daisy Hill	213721	393806	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	104	5	100	0	0	27	63	0	0	0	11
0200	23	25	100	0	5	11	25	0	28	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 : **CARRIGANS**
 Tributary of : 01F02 FOYLE
 OS Grid Ref of Confluence: C 370 112
 Date(s) Surveyed: 2/8/2007

01/C/01
 OS Catchment No: 61

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1977	1979	1981	1985	1990	1994	1997	1998	2002	2004	2007
0150	-	-	-	3-4	3	3	4	3-4	3	3	3	3
0200	3	3-4	3	3-4	3	2/0	3	3	2-3	3	2-3	2-3

Assessment: Status remained poor in the Carrigans at both sites assessed in early August 2008.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0150	Bridge N. of Garshooey Lower	238323	414086	7	DL
0200	Bridge at Carrigans	236470	411713	7	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0150	39	0	100	0	100	0	0	0	0	0	0
0200	6	35	100	0	56	1	5	0	36	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 (FINN)**
 Tributary of : 01R01 REELAN
 OS Grid Ref of Confluence: H 018 964
 Date(s) Surveyed: 1/8/2007

01/C/06

OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	4-5	3-4	3-4	3	3-4	3/0	3

Assessment: Water quality was unsatisfactory in this Reelan and Finn River tributary (q.v.) when surveyed in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W Ballykergan	201750	394904	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	85	38	49	51	5	9	62	0	1	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 : **CLOGHROE** **01/C/05**
 Tributary of : 01D01 DEELE (DONEGAL) OS Catchment No: 61
 OS Grid Ref of Confluence: C 170 008
 Date(s) Surveyed: 2/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0200	4	4	4	4	4	4	-
0300	5	4	-	-	-	-	-
0400	-	-	5	4-5	4	4	3

Assessment: The water quality of the Cloghroe River had dropped significantly in comparison with 2004 when surveyed in August 2007. It is now moderately polluted or of poor ecological status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Cloghroe Bridge	214182	400009	6	DL
0300	Callan Bridge	216310	399360	6	DL
0400	Br d/s Callan Br	216351	400136	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	116	8	100	0	14	11	58	0	11	0	5
0400	72	11	100	0	17	8	45	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 : **CROSS ROADS STREAM**

01/C/04

Tributary of : 01F01 FINN (DONEGAL)

OS Catchment No: 62

OS Grid Ref of Confluence: H 207 935

Date(s) Surveyed: 1/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0200	-	-	4	4	4-5	4	-
0300	4	4	-	-	-	-	-
0400	2-3	3-4	-	-	-	-	-
0500	-	-	3-4	3-4	3-4	3	3

Assessment: The Cross Roads Stream, a tributary of the River Finn (Donegal) was of poor status when surveyed in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Monellan Ho	218899	391671	12	DL
0300	Bridge W. of Avaltygort Hill	219892	392865	12	DL
0400	Bridge at Cross Roads	219994	393201	12	DL
0500	0.2 km d/s Br at Cross Roads	220033	393256	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	65	4	100	0	56	4	24	0	13	0	3
0300	25	12	100	0	42	4	18	0	20	0	15
0400	17	12	100	0	42	4	18	1	20	0	15
0500	16	12	100	0	42	4	18	1	20	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 : **CUMMIRK**
 Tributary of : 01F01 FINN (DONEGAL)
 OS Grid Ref of Confluence: B 993 018
 Date(s) Surveyed: 31/7/2007

01/C/03
 OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	5	4	4	4	4-5	4-5	-
0200	-	-	-	-	-	-	3
0300	4-5	4	4	4	4	4	3

Assessment: The Cummirk River declined in quality in 2007 in comparison with previous surveys. Both sites were recorded as moderately polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cummirk Bridge (Upper)	198086	406366	11	DL
0200	Br SE Kingarrow	197670	405320	0	DL
0300	Cummirk Bridge (Lower)	199540	401838	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	162	17	63	37	5	11	69	0	0	3	12
0300	115	35	82	18	11	6	66	0	0	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 : **DEELE (DONEGAL)**

01/D/01

Tributary of : 01F02 FOYLE

OS Catchment No: 61

OS Grid Ref of Confluence: C 340 002

Date(s) Surveyed: 2/8/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1977	1980	1985	1990	1994	1997	1998	2001	2002	2004	2007
0040	-	-	-	-	5	4-5	4-5	4	4-5	-	5	4-5
0200	-	-	4-5	5	4	-	-	4-5	4	-	4-5	4
0500	5	3-4	5	3	4-5	2-3	2-3	2-3	3	-	2-3	3
0540	-	-	-	-	-	-	-	4	4	-	4	-
0600	4-5	4	4	3-4	4	4-5	4	4	4	-	4	4
0650	5	4	4	4	4	4	4	4	-	4	4	4

Assessment: The upper River Deele (0040) was of high status when surveyed in early August 2007 and of good status in the mid-section at Station 0200. Pollution was evident downstream of Convoy (0500) where status was poor (Q3). A recovery was noted in the lower stretches (0600, 0650).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Bridge N. of Aughkeely	212377	402836	6	DL
0200	2nd Br d/s Br near Newtown	216284	401428	6	DL
0500	Bridge 1.5 km S.E. of Convoy	223102	400452	6	DL
0540	Br S. of Milltown	224514	399628	12	DL
0600	Ballymonaster Bridge	227362	399086	12	DL
0650	Bridge in Ballindrait	230522	399805	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	144	20	100	0	0	3	71	0	13	1	11
0200	77	35	100	0	8	4	58	1	17	1	11
0500	19	95	100	0	31	3	32	1	24	0	8
0540	10	104	100	0	34	3	29	1	25	0	8
0600	8	116	100	0	38	2	26	1	26	0	7
0650	5	127	100	0	41	2	24	1	25	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 : **ELATAGH**
 Tributary of : 01F01 FINN (DONEGAL)
 OS Grid Ref of Confluence: C 021 012
 Date(s) Surveyed: 31/7/2007

01/E/02
 OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	-	3	4-5	3-4	4	3	-
0200	5	-	-	-	-	-	-
0300	5	4	4	4-5	4-5	3	3

Assessment: Status continued to be poor in the Elatagh following a deterioration noted first in 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Stranabrack Lr	202752	404399	11	DL
0200	Bridge E. of Abratt Lower	201990	403775	11	DL
0300	Elatagh Bridge	202010	401244	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	140	13	100	0	2	26	57	0	6	0	9
0300	100	29	100	0	8	12	58	0	3	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 : **FINN (DONEGAL)**

01/F/01

Tributary of : 01F02 FOYLE

OS Catchment No: 62

OS Grid Ref of Confluence: H 332 980

Date(s) Surveyed: 1/8/2007, 31/7/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1980	1984	1990	1994	1997	1998	2001	2004	2007
0100	-	-	-	5	5	5	-	-	-	-	-	-
0200	-	5	-	5	4-5	4-5	4	4	4-5	4-5	4-5	4
0300	-	-	-	5	5	5	4-5	-	-	-	-	-
0350	-	-	-	-	-	-	-	4-5	4-5	4-5	4	4
0400	5	5	5	5	5	5	4-5	4-5	4-5	4-5	4	3-4
0500	5	5	4-5	5	5	4-5	4	4-5	4-5	4	3-4	4
0600	5	5	4-5	4	4-5	4-5	4-5	4-5	5	3	3	-
0800	4-5	4	3	4	3-4	3	3	3	2	4	3-4	3
0900	4	4	4	4	4	3-4	4	4	4	4	3-4	3
0920	-	-	-	-	-	-	-	-	-	-	3-4	3
1000	-	-	-	4	4	4	-	-	-	-	-	-
1100	4-5	4-5	4	4	4	4	4	-	4-5	4	3-4	3

Assessment: The Finn (Donegal) continues to be in relatively poor condition over most of its length with a significant decline in its ecological status in comparison with historical conditions in the river. The uppermost sites surveyed (Stations 0200, 0350) were of good status. The decline at Clonclayagh (0400) is particularly significant when compared with the high status recorded here in 2001 and in all previous surveys going back to the 1970s. An investigation into the possibility that sheep dip is the main cause of this deterioration is underway and remedial measures aimed at restoring the rivers former high status are being put in place. A downstream improvement was noted at Glenmore (0500) and this also represents an improvement in comparison with the situation here in 2004. The lower section of the Finn, however, was poor from Ballybofey/Stranorlar to the last site monitored at Castlefinn (1100) upstream of its confluence with the Foyle.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S. of Scallan Bridge	194965	403045	11	DL
0200	Bridge at Bellanamore	196334	402172	11	DL
0300	Between Cummirk R and Elatagh R	200400	401400	11	DL
0350	Br 100 m u/s Elatagh R confl	202000	401008	11	DL
0400	Br S Clonclayagh	204145	398435	11	DL
0500	Glenmore Br	208317	396322	12	DL
0600	Bridge 2.5 km u/s Ballybofey	212475	395036	12	DL
0800	Bridge S. of Stranorlar	215180	394560	12	DL
0900	Bridge S. of Killygordon	220587	393797	12	DL
0920	150M D/S Br S. of Killygordon	220587	393797	12	DL
1000	Lisooly Bridge	222976	394359	12	DL
1100	Castlefin Bridge	226293	394582	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	127	26	84	16	9	3	81	0	2	4	0
0200	126	48	91	9	7	5	72	0	6	3	7
0350	94	109	90	10	10	5	69	0	3	2	12
0400	67	152	93	7	11	6	65	0	3	1	14
0500	34	281	87	13	12	7	61	0	4	1	16
0600	20	310	88	12	14	7	57	0	4	1	17
0800	16	349	89	11	15	7	53	1	7	1	17
0900	9	386	90	10	18	7	49	1	9	0	16
0920	9	386	90	10	18	7	49	1	9	0	16
1000	7	423	91	9	22	7	45	1	9	0	16
1100	5	447	92	8	24	7	43	1	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 : **GREENHILL STREAM** **01/G/02**
 Tributary of : 01C01 CARRIGANS OS Catchment No: 61
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 2/8/2007

Previously part of Carrigans 01C01

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2002	2004	2007
0100	1/0	1	1-2/0	1/0	2	1-2	1-2/0

Assessment: Water quality remained very poor in the Greenhill Stream in 2007 due to serious farm pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Greenhill	235518	412179	7	DL

River and Code : **MOURNE BEG**
 Tributary of : Derg
 OS Grid Ref of Confluence: H 230 827
 Date(s) Surveyed: 30/7/2007

01/M/01
 OS Catchment No: 63

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	4	4	4*	3-4*	3-4*	3-4	3*
0200	4	4	4*	4*	4*	4	3*

Assessment: Quality was poor when surveyed in July 2007. The Mourne Beg is an extremely acidic river with its acidity enhanced by the forestry plantations in the catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Red Burn Bridge	205778	389372	12	DL
0200	Bridge S.W. of Tonreagh	209995	388312	12	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	174	4	65	35	0	22	78	0	0	0	0
0200	133	29	90	10	0	26	56	0	0	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 : **REELAN**
 Tributary of : 01F01 FINN (DONEGAL)
 OS Grid Ref of Confluence: H 042 979
 Date(s) Surveyed: 31/7/2007

01/R/01
 OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0200	5	4	4-5	4	4-5	3-4	3-4
0300	5	-	-	-	-	-	-
0500	5	4-5	4	3-4	4-5	3	3

Assessment: The Reelan River continued to exhibit water quality problems in 2007 with no improvement noted since 2004 when water quality had declined dramatically from Q4-5 at both stations sampled in 2001. Sheep dip is believed to be the primary source of problems in the catchment. An ongoing investigation is underway in an attempt to pinpoint the precise sources and solve the problem.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ford W. of Carrickagh	197761	396488	11	DL
0300	Bridge E. of Carrickagh	200510	396437	11	DL
0500	Reelan Bridge	202343	397088	11	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	121	34	78	22	0	3	62	0	3	0	32
0500	64	90	70	30	6	7	60	0	2	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 : **ROUGH BURN**
Tributary of : 01F01 FINN (DONEGAL)
OS Grid Ref of Confluence: H 092 962
Date(s) Surveyed: 1/8/2007

01/R/02

OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	1998	2001	2004	2007
0200	4-5	4	4-5	3	3	4	4

Assessment: The Rough Burn was of good status in early August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Aghaveagh Br	209289	396079	12	DL

River and Code : **ST JOHNSTON**
 Tributary of : 01F02 FOYLE
 OS Grid Ref of Confluence: C 351 097
 Date(s) Surveyed: 2/8/2007

01/S/01
 OS Catchment No: 61

Station Nos.	Biological Quality Ratings (Q Values)												
	1973	1977	1979	1981	1985	1988	1990	1994	1997	1998	2002	2004	2007
0100	4-5	4	3	4	2-3	-	2-3	-	-	-	-	-	-
0200	-	-	-	-	3	-	3	-	-	-	-	-	-
0280	-	-	-	-	2	2	1-2	3	2-3	1-2	2	3	2
0300	3	2-3	1	1	-	-	-	-	-	-	-	-	-

Assessment: The St. Johnston River declined in quality from moderately polluted in 2004 to seriously polluted in August 2007. Sewage fungus was once again evident.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge N. of Magheracloy	231140	408780	7	DL
0200	Bridge N.E. of Kinnacolly	233215	409535	7	DL
0280	Second Bridge u/s Foyle River	234545	409924	7	DL
0300	First Bridge u/s Foyle River	234814	409877	7	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0280	9	23	100	0	49	0	3	0	43	0	4
0300	9	23	100	0	49	0	3	0	43	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 : **STRANAGOPPOGE**
 Tributary of : 01F01 FINN (DONEGAL)
 OS Grid Ref of Confluence: B 963 024
 Date(s) Surveyed: 31/7/2007

01/S/02
 OS Catchment No: 62

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1997	1998	2001	2004	2007
0100	-	3-4	3-4	3-4	4-5	3-4	4
0200	5	4	4	4-5	4-5	4-5	4

Assessment: The Stranagappoge was satisfactory at both sites surveyed in 2007 having recovered somewhat at the upper survey site (0100) in comparison with 2004. A decline in status was noted, however, at Station 0200 upstream of its confluence with the River Finn (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W Tieveragh	192954	399129	11	DL
0200	Bridge u/s Finn River confl	195900	402060	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	183	6	100	0	0	2	66	0	0	0	32
0200	138	18	100	0	0	10	63	0	8	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 : **SWILLY BURN**
 Tributary of : 01F02 FOYLE
 OS Grid Ref of Confluence: C 352 046
 Date(s) Surveyed: 2/8/2007

01/S/03
 OS Catchment No: 61

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1977	1981	1985	1994	1997	1998	2002	2004	2007
0100	5	5	4-5	4	3	3-4	3-4	4	4	-
0200	3	3	3	2	2-3	3	2-3	3	2-3	2
0250	3-4	4	4	3	3	-	-	-	-	3
0300	-	-	-	-	-	-	3	2-3	-	-
0400	-	-	-	-	2	3	-	-	-	-

Assessment: The Swilly Burn remained seriously polluted downstream of Raphoe (0200). The second site surveyed (0250) remained at poor ecological status (Q3 moderately polluted) - with no change since 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NE of Tullyvinny	224284	402134	6	DL
0200	Br 1.5 km SE of Raphoe S Magheraha	226411	401893	6	DL
0250	Br Near Massmore	228700	401700	6	DL
0300	Br due N of Ballindrait	230351	402555	7	DL
0400	Swilly Br	232717	403819	7	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	32	5	100	0	63	7	20	0	8	0	3
0200	15	11	100	0	69	3	10	4	12	0	2
0300	5	36	100	0	72	1	3	2	20	0	2
0400	5	48	100	0	71	1	3	1	23	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 03 (Bann)

BLACKWATER (MONAGHAN)	03B01
CLONTIBRET STREAM	03C01
CONAWARY (LOWER)	03C02
MOUNTAIN WATER	03M01
SCOTSTOWN	03S02
SHAMBLES	03S01

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

03/B/01

Tributary of :

OS Catchment No: 68

OS Grid Ref of Confluence: H 922 637

Date(s) Surveyed: 3/7/2007, 4/7/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1981	1983	1985	1989	1993	1996	1998	2001	2004	2007
0100	4-5	4-5	4-5	4-5	3-4	3-4	-	-	-	-	-	-	-
0130	-	-	-	-	-	-	3-4	4	4	4	3	3	4
0200	3-4	3-4	3-4	4	3-4	3-4	-	-	-	-	-	-	-
0300	4	4	3-4	4	4	3-4	3-4	4	4	4	4	4	3-4
0400	4	4	3-4	4	3-4	3-4	3-4	-	-	-	-	-	-
0500	4	4	3-4	4	3-4	3-4	-	-	-	-	-	-	-
0510	-	-	-	-	-	-	3	3	3-4	3	3	3-4	3-4
0600	3	3	2	3	2-3	3	2-3	3	-	-	-	-	-
0650	-	-	-	-	-	-	2-3	-	2-3	3	3/0	3	3
0700	3	3	3	2-3	2-3	2-3	2-3	3	-	-	-	-	-
0800	4	3-4	3-4	3	3	3	3	3	2-3	3	3	3	3

Assessment: Despite an improvement at the station downstream of Scotstown (0130), the Blackwater (Monaghan) was again in a generally unsatisfactory ecological condition in July 2007: the complete absence of sensitive macroinvertebrates below Monaghan (0650, 0800) was indicative of considerable ecological disruption. Sewage and industrial discharges suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 1 km u/s Scotstown*	260202	337086	28	MN
0130	1.5 km d/s Scotstown Br	261322	335999	28	MN
0200	Br in Ballinode	262918	335813	28	MN
0300	1st Br d/s Ballinode	263898	335742	28	MN
0400	Br at Crosses	265564	335744	28	MN
0500	Br nr Milltown	266388	334653	28	MN
0510	250m d/s Br nr Milltown	266519	334591	28	MN
0600	Br on Monaghan-Aughnacloy Rd	267509	335234	28	MN
0650	Faulkland Br (Upr)	269240	337125	28	MN
0700	Faulkland Br	270284	337840	28	MN
0800	Newmills Br	271921	338773	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	77	15	0	100	47	9	7	0	12	0	25
0130	64	50	0	100	41	3	20	1	17	0	17
0200	59	52	0	100	43	3	19	1	17	0	17
0300	57	63	0	100	49	2	16	2	17	0	14
0400	54	71	0	100	55	2	14	2	15	0	12
0500	52	123	27	73	70	3	8	2	9	0	7
0510	51	123	27	73	70	3	8	2	9	0	7
0600	50	124	27	73	71	3	8	2	9	0	7
0650	45	140	28	72	71	3	7	4	8	0	7
0700	43	142	27	73	71	3	7	4	8	0	7
0800	39	143	27	73	72	3	7	4	8	0	7

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

River and Code : **CLONTIBRET STREAM** **03/C/01**
 Tributary of : 03B01 BLACKWATER (MONAGHAN) OS Catchment No: 68
 OS Grid Ref of Confluence: H 734 381
 Date(s) Surveyed: 3/7/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1990	1993	1996	1998	2001	2004	2007
0600	3	-	3	3	3	3	3	3
1100	2-3	3	-	-	-	3	3	-
1400	3	-	3-4	4	3	3	3	3

Assessment: This once great brown trout stream was again moderately polluted in July 2007 at each of the two locations surveyed: agriculture and sewage suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Br in Clontibret	275776	328860	28	MN
1100	Br SW of Clerran	274410	331650	0	MN
1400	Br E of Killyneill X-Roads	273851	335733	28	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	119	5	100	0	62	0	4	0	34	0	0
1400	38	60	97	3	90	2	1	0	6	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 : **CONAWARY (LOWER)** **03/C/02**
 Tributary of : 03B01 BLACKWATER (MONAGHAN) OS Catchment No: 68
 OS Grid Ref of Confluence: H 658 348
 Date(s) Surveyed: 3/7/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1990	1993	1996	1998	2001	2004	2007
1100	3	-	3	3	3	3	3	-
1200	2	3	3	-	-	-	-	-
1300	2-3	-	-	3	3	3	3	3

Assessment: Agriculture is suspected as the cause of the continuing moderate pollution of this stream in which the unbalanced fauna continues to be devoid of sensitive species when sampled in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1100	White Br	263927	332559	28	MN
1200	2nd Br u/s Blackwater R	265068	334277	28	MN
1300	Br u/s Blackwater R confl	265434	334559	28	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1100	60	27	80	20	99	0	0	1	0	0	0
1200	56	45	74	26	93	4	0	2	0	0	1
1300	54	45	73	27	93	4	0	2	0	0	1

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

River and Code : **MOUNTAIN WATER** 03/M/01
 Tributary of : 03B01 BLACKWATER (MONAGHAN) OS Catchment No: 68
 OS Grid Ref of Confluence: H 678 438
 Date(s) Surveyed: 4/7/2007, 5/7/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1977	1981	1983	1985	1989	1993	1994	1996	1998	2001	2004	2007
0100	-	5	5	5	5	5	5	4-5	5	4-5	4-5	4-5	4-5	4
0200	4-5	5	4-5	4-5	5	5	5	1/0	3-4	4-5	4-5	4-5	4	4
0400	4-5	4-5	4	4-5	4-5	4-5	4-5	2/0	3-4	4	4-5	4	3-4	3-4
0500	4	4	2	3-4	3	3	3	3/0	3	3-4	3	3	3	3
0650	-	-	-	4	4-5	3	3	3/0	3	3	3	3	3	-

Assessment: The Mountain Water continues to be of satisfactory quality upstream of Emyvale but is considerably polluted by suspected sewage and possibly other discharges below the village when sampled in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Coyle's Br	259662	346197	18	MN
0200	Br NE of Golan	262670	343971	19	MN
0400	1st Br u/s Emyvale	267050	343345	19	MN
0500	Br 1.1 km d/s Emyvale	268546	343108	19	MN
0650	Br N of Glaslough	272001	342192	19	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	152	6	0	100	0	25	58	0	2	0	15
0200	104	18	0	100	4	19	37	0	27	0	13
0400	59	35	0	100	25	10	20	0	38	0	7
0500	45	39	0	100	32	9	17	1	35	0	6
0650	40	59	0	100	55	6	11	0	23	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 : **SCOTSTOWN**

03/S/02

Tributary of : 03B01 BLACKWATER (MONAGHAN)

OS Catchment No: 68

OS Grid Ref of Confluence: H 608 369

Date(s) Surveyed: 4/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2004	2007
0200	5	5	5	4-5	4-5	4-5	4-5
0400	5	4-5	4-5	4	4-5	4	-
0500	4-5	4-5	4-5	4-5	4	4	4

Assessment: Although continuing satisfactory quality at each of the two locations surveyed in July 2007, the continued occurrence of *Cladophora* sp., a filamentous algae indicative of increasing eutrophication, upstream of Scotstown (0500) is unwelcome.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br S of Knockballyroney	258876	341359	18	MN
0400	Br at Mill S of Dromscor	260043	339693	28	MN
0500	Br u/s Scotstown Br	261106	337600	28	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	149	4	0	100	5	0	59	0	4	0	32
0400	92	18	0	100	22	1	47	0	17	0	13
0500	73	32	0	100	35	1	28	0	21	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 : **SHAMBLES** **03/S/01**
 Tributary of : 03B01 BLACKWATER (MONAGHAN) OS Catchment No:
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 19/9/2007

Biological Quality Ratings (Q Values)

Station Nos.	2007	
0500	2-3	

Assessment: This tributary of the Blackwater (Monaghan) was moderately polluted downstream of Monaghan town (0500) when sampled in September 2007. The complete absence of sensitive macroinvertebrate species and abundance of pollution tolerant species coupled with the excessive macrophyte and macroalgal growth and excessive siltation indicated significant ecological disruption. Sewage and other discharges suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Shambles Br on Armagh Rd.	268043	334977	28	MN

NBIRBD: HYDROMETRIC AREA NO. 03

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.

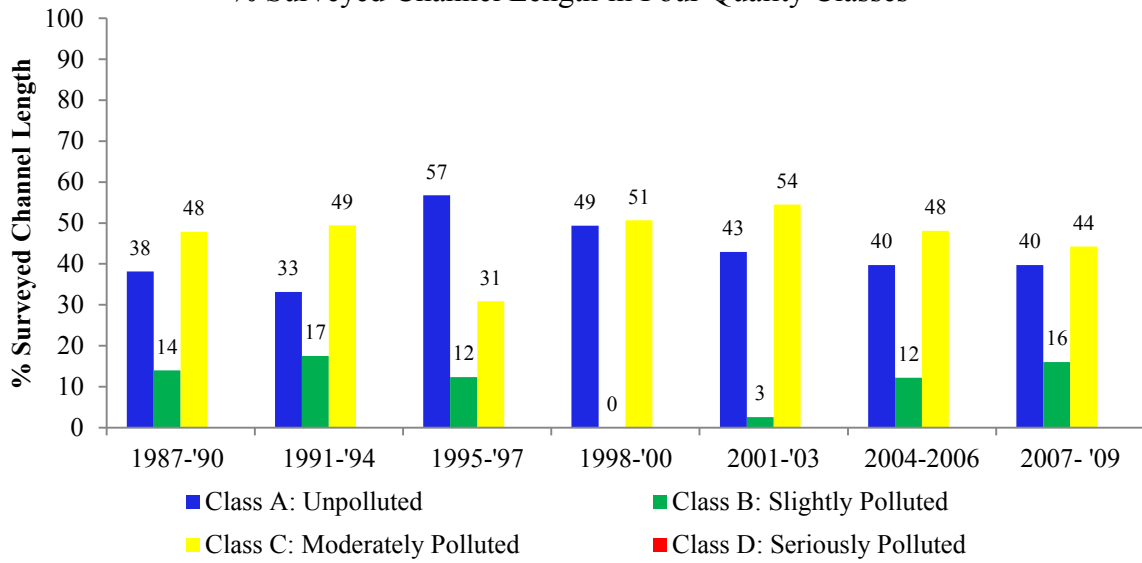
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Blackwater (Monaghan)	2007	03B01	0.0	6.0	10.0	10.5	0.0	26.5
Clontibret Stream	2007	03C01	0.0	0.0	0.0	13.0	0.0	13.0
Conawary (Lower)	2007	03C02	0.0	0.0	0.0	3.0	0.0	3.0
Mountain Water	2007	03M01	0.0	13.5	2.5	8.0	0.0	24.0
Scotstown	2007	03S02	6.5	5.0	0.0	0.0	0.0	11.5
Total Length (km) surveyed this cycle	2007		6.5	24.5	12.5	34.5	0.0	78.0
Adjustments (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Percentages			8.3	31.4	16.0	44.2	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current adjusted Status (km)	2007- '09		31.0	12.5	34.5	0.0	78.0	
Percentages			39.7	16.0	44.2	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004-'06		31.0	9.5	37.5	0.0	78.0	
Percentages			39.7	12.2	48.1	0.0	100.0	
Changes since Previous Survey (km)			0.0	3.0	-3.0	0.0	0.0	

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

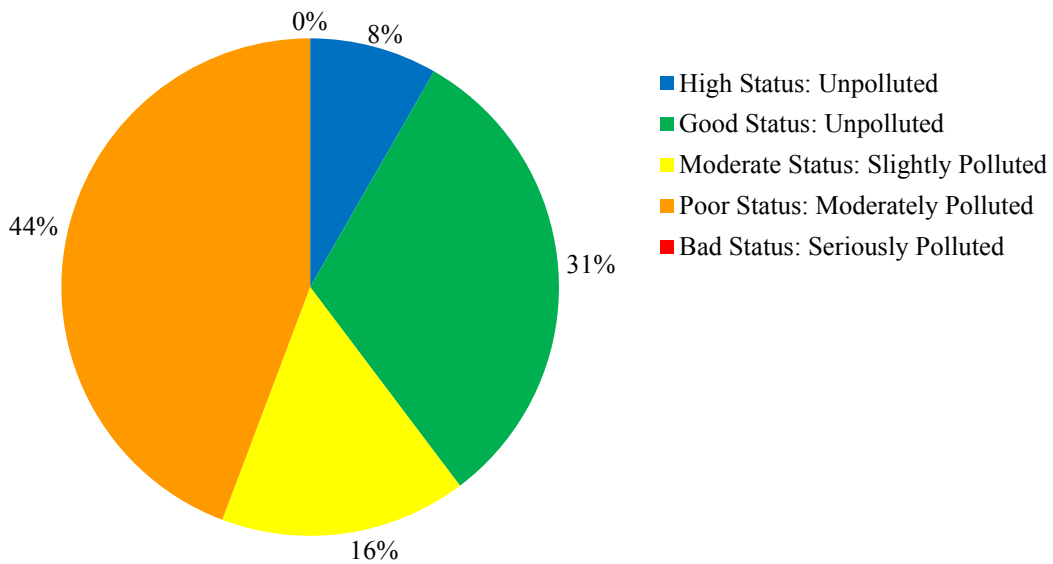
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

Hydrometric Area 03 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 03 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 09 (Liffey and Dublin Bay)	
ANNALECKA BROOK	09A01
BALLINAGEE	09B08
BALLYDONNELL BROOK	09B03
BALLYLOW BROOK	09B04
BRITTAS	09B02
# CAMAC	09C02
CLONSHANBO	09C03
COCK BROOK	09C04
DODDER	09D01
DOUGLAS (LIFFEY)	09D02
DUNBOYNE STREAM *	09D04
GLASHABOY BROOK	09G02
KILCULLEN STREAM	09K02
KING'S (LIFFEY)	09K01
LEMONSTOWN STREAM	09L03
LIFFEY	09L01
LYREEN	09L02
MAYNE	09M03
MORELL	09M01
OWENADOHER	09O01
PAINESTOWN	09P01
PINKEEN	09P02
PODDLE	09P03
RATHMORE STREAM	09R02
RYE WATER	09R01
SANTRY	09S01
# TOLKA	09T01

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

* DUNBOYNE STREAM Formerly Tolka Dunboyne Branch 09T01

River and Code : **ANNALECKA BROOK** 09/A/01
 Tributary of : 09K01 KING'S (LIFFEY) OS Catchment No: 168
 OS Grid Ref of Confluence: O 053 015
 Date(s) Surveyed: 18/4/2007

Station Nos.	Biological Quality Ratings (Q Values)				
	1996	1998	2002	2005	2007
0100	4-5	3-4	5	4-5	4-5

Assessment: Continuing satisfactory ecological quality, although excessive siltation of substratum noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Annalecka Br	305682	201893	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	351	6	100	0	0	42	58	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 : **BALLINAGEE** **09/B/08**
 Tributary of : 09K01 KING'S (LIFFEY) OS Catchment No: 168
 OS Grid Ref of Confluence: O 032 020
 Date(s) Surveyed: 18/4/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2002	2005	2007
0200	5	4-5	4-5	4-5	5	4-5	4

Assessment: Continuing satisfactory ecological quality in 2007 despite signs of enrichment i.e. abundant algal development from suspected forestry activities upstream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ballinagee Br	303640	202380	56	WW

River and Code : **BALLYDONNELL BROOK**

09/B/03

Tributary of : 09L01 LIFFEY

OS Catchment No: 168

OS Grid Ref of Confluence: O 059 139

Date(s) Surveyed: 19/4/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1983	1988	1991	1996	1998	2002	2005	2007
0100	5	5	5	4-5	4-5	5	5	5

Assessment: Continuing highly satisfactory ecological conditions in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballylow Br	306009	212982	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	240	20	100	0	0	20	79	0	0	0	1

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

River and Code : **BALLYLOW BROOK** **09/B/04**
 Tributary of : 09B03 BALLYDONNELL BROOK OS Catchment No: 168
 OS Grid Ref of Confluence: O 062 135
 Date(s) Surveyed: 19/4/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1983	1988	1991	1996	1998	2002	2005	2007
0100	3-4	5	5	4-5	4-5	4-5	4-5	4

Assessment: Considerable growths of filamentous algae and instream plants noted in 2007 indicating some enrichment but macroinvertebrate fauna consistent with a satisfactory quality status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballynabrocky Br	306797	213372	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	243	7	100	0	1	8	91	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 : **BRITTAS**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: O 025 160
 Date(s) Surveyed: 19/4/2007, 30/4/2007

09/B/02
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)							
	1983	1988	1991	1996	1998	2002	2005	2007
0100	-	4-5	4	4	3-4*	4-5	3-4	3-4*
0300	-	4	3	4	4	4-5	4-5	-
0500	4	4	3	3-4	3-4*	4	4-5	4

Assessment: The Brittas River was slightly polluted in the upper reaches (0100) in 2007 with abundant instream plant and filamentous algal growth and heavy siltation of substratum noted. Although the macroinvertebrate fauna indicated satisfactory ecological conditions at the recently dredged Kilbride Bridge (0500) survey site, excessive siltation and enhanced instream plant and algal growth indicated enriched conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NE of Talbotstown House	305598	221227	50	WW
0300	Br NNE of Moanaspick	303055	220697	50	WW
0500	Kilbride Br	302743	218055	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	248	9	100	0	28	32	14	2	0	0	24
0300	222	20	100	0	53	17	6	4	6	0	14
0500	204	30	100	0	58	12	8	3	5	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 : **CAMAC**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: N 137 343
 Date(s) Surveyed: 10/5/2007, 11/5/2007

09/C/02

OS Catchment No: 168

Biological Quality Ratings (Q Values)

Station Nos.	1971	1974	1977	1979	1981	1983	1984	1986	1987	1988	1989	1990	1991	1994	1996	1998	2002	2005	2007
0050	-	-	-	-	-	-	-	3-4	-	-	-	-	-	-	-	-	-	-	-
0100	5	5	5	4-5	4-5	3	4-5	3	-	4	-	-	4	-	4	3	3-4	3	4-5
0150	-	-	-	-	-	-	-	-	-	4	-	-	4-5	-	-	-	-	-	-
0200	3-4	3	3	3-4	3-4	3	3	2-3	-	2	2/0	2	2	2	2	2	-	-	-
0250	-	-	-	-	-	-	-	-	-	3	2/0	3	3	-	-	-	2-3	3	3/0
0270	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
0300	1	-	1/0	1/0	1/0	3	3	1/0	3	-	-	-	-	-	-	-	-	-	-
0310	-	-	-	-	-	-	-	-	-	2-3	2-3	3	3	-	2-3	2-3	3	3	3
0400	-	-	-	-	1/0	2/0	1	3	1	2-3	1	1	2	1	1	3	-	-	-
0500	-	-	-	-	1/0	1	1	1	1	2	1	1	2/0	1/0	1-2	1-2	1	2/0	2

Assessment: A significant improvement was noted in the upper reaches (0100) of the Camac river in 2007. Overall however the Camac river was in a generally unsatisfactory ecological condition again when sampled in May 2007. Severe ecological disruption was noted with moderate pollution at Baldonnell (0250) and at Riversdale estate bridge (0310) while serious pollution was noted in the Inchicore area (0500). Sewage and Industrial activities suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NNE of Glenaranean	0	0	50	
0100	Br 1 km SW (u/s) of Saggart	303438	226052	50	DN
0150	Br 1 km NW (d/s) of Saggart	303167	227047	50	
0200	Br N of Brownsbarn	304036	228507	50	DN
0250	Br SE of Baldonnell Ho	304910	229251	50	DN
0270	End of Cherrywood Avenue	0	0	50	
0300	Just d/s Clondalkin Br	0	0	50	
0310	Riversdale Estate Br	307211	231600	50	DN
0400	Kylemore Rd Br	310326	232309	50	DN
0500	Camac Close Emmet Rd (Richmond Park)	312092	233545	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	131	6	100	0	51	29	0	3	16	0	0
0200	95	1	21	79	18	0	0	66	16	0	0
0310	57	18	29	71	30	1	0	43	24	0	2
0400	41	36	14	86	19	0	0	63	17	0	1
0500	20	40	13	87	17	0	0	67	16	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 : **CLONSHANBO**
 Tributary of : 09L02 LYREEN
 OS Grid Ref of Confluence: N 892 350
 Date(s) Surveyed: 3/5/2007

09/C/03
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)							
	1988	1991	1994	1996	1998	2002	2005	2007
0300	3	2	3	2-3	3	3	2-3	3
0500	3	-	-	-	-	-	-	-
0600	3	2-3	3	3	3	3	3	-

Assessment: Unsatisfactory ecological conditions continue, moderate pollution noted at Baltracey Bridge (0300) with heavy siltation of substratum noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Baltracey Br (D/S Side)	287170	233918	49	KE
0500	Br W of Barreen	288540	234010	49	
0600	Frayne's Br	288960	234269	49	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	71	15	0	100	68	15	0	0	17	0	0
0600	66	21	0	100	71	11	0	0	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 : **COCK BROOK**
 Tributary of : Blessington Reservoir
 OS Grid Ref of Confluence: O 019 089
 Date(s) Surveyed: 18/4/2007

09/C/04
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)							
	1983	1988	1991	1996	1998	2002	2005	2007
0100	5	5	5	5	4-5	4-5	4-5	4-5

Assessment: Continuing highly satisfactory ecological conditions in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW of Kilmore	302092	208816	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	198	5	100	0	0	0	99	0	1	0	0

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

River and Code : **DODDER**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: O 178 343
 Date(s) Surveyed: 11/5/2007, 14/5/2007

09/D/01
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1975	1977	1979	1981	1984	1988	1991	1996	1998	2002	2005	2007
0010	-	-	-	-	-	-	-	5	5	4	5	5	4	-
0100	-	-	5	4-5	5	5	5	-	4	4-5	4-5	4	4-5	4
0200	-	5	4	3-4	1/0	5	4-5	2	4-5	-	-	-	-	-
0300	3	3-4	1/0	2/0	3	3	3-4	4-5	3	4-5	4	3-4	3-4	4
0600	-	-	-	-	-	3	4	2-3	-	-	-	-	-	-
0620	-	-	-	-	-	-	-	-	3	3	3	3	3	3-4
0700	2-3	3	3-4	3	3-4	3	3	2-3	2-3	-	-	-	-	-
0800	3-4	2-3	3	3	3	2-3	2-3	2-3	3	3	3	3	3	-
0900	3-4	1-2	3	3	3	2-3	2-3	3	3	-	-	-	-	3
1000	2	1-2	1	2-3	2-3	2	2-3	-	-	-	-	-	-	-

Assessment: The macroinvertebrate fauna in the upper reaches (0100, 0300) of the Dodder river indicated satisfactory ecological conditions, although signs of enrichment were evident at both stations with abundant filamentous algal growths and excessive siltation noted at Old Bawn Bridge (0300). Slight pollution was noted at Springfield avenue (0620) while moderate pollution was noted further downstream at Beaver Row (0900).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	1.3 km u/s Reservoir u/s distributary	311079	220233	50	DN
0100	U/s Piperstown Stream	308845	224052	50	DN
0200	Fort Br	0	0	50	DN
0300	Old Bawn Br	309739	226304	50	DN
0600	Springfield Crescent	0	0	50	DN
0620	Br on Springfield Ave	313606	228913	50	DN
0700	Dodder Rd d/s Weir	0	0	50	DN
0800	Milltown Br	316893	230410	50	DN
0900	Footbridge Beaver Row	317750	231200	50	DN
1000	Ballsbridge	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
0010	207	7	100	0	0	0	98	0	2	0	0
0100	121	32	100	0	11	6	66	1	7	1	9
0300	90	38	98	2	18	5	55	2	9	1	11
0620	44	63	76	24	23	4	33	26	7	0	7
0800	19	105	79	21	19	7	25	35	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 : **DOUGLAS (LIFFEY)**

09/D/02

Tributary of : 09K01 KING'S (LIFFEY)

OS Catchment No: 168

OS Grid Ref of Confluence: N 979 033

Date(s) Surveyed: 18/4/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2002	2005	2007
0200	4	4-5	4-5	4	4-5	4	4-5

Assessment: Continuing highly satisfactory ecological conditions in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Granamore Br	297774	203131	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	202	15	100	0	12	13	67	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 : **DUNBOYNE STREAM** **09/D/04**
 Tributary of : 09T01 TOLKA OS Catchment No: 167
 OS Grid Ref of Confluence: O 027 415
 Date(s) Surveyed: 9/5/2007

Formerly Tolka Dunboyne Branch 09T01

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1975	1977	1981	1988	1989	1990	1994	1996	1998	2002	2005	2007
0500	2	2	1-2	3	2-3	2	2	2	2	2	2	2-3	3	3

Assessment: The macroinvertebrate fauna continues to indicate unsatisfactory ecological conditions at Dunboyne (0500). Formerly reported as the Dunboyne Branch of the Tolka (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Rusk Br	301600	241800	50	MH

River and Code : **GLASHABOY BROOK** **09/G/02**
 Tributary of : 09A01 ANNALECKA BROOK OS Catchment No: 168
 OS Grid Ref of Confluence: O 066 017
 Date(s) Surveyed: 18/4/2007

Station Nos.	Biological Quality Ratings (Q Values)				
	1996	1998	2002	2005	2007
0100	4	3-4*	3/0	4	4

Assessment: The macroinvertebrate fauna indicated satisfactory ecological conditions in 2007 however the absence of acid sensitive mayflies may indicate episodic acid events in this upland brook. Some enrichment was evident with enhanced filamentous algal growth and heavy siltation of the substratum noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glashaboy Br	306557	201692	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	394	1	100	0	0	40	60	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 : **KILCULLEN STREAM**

09/K/02

Tributary of : 09L01 LIFFEY

OS Catchment No: 168

OS Grid Ref of Confluence: N 842 095

Date(s) Surveyed: 1/5/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1984	1988	1994	1996	1998	2002	2005	2007
0800	-	3	3-4	3	3*	4	2/0	4
1100	5	3-4	3-4	3-4	3-4*	4	3	-

Assessment: A significant improvement was noted in the Yellowbog area (0800) in 2007 where the river was previously impacted by serious pollution in 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0800	Br E of Yellowbog	284267	207258	55	KE
1100	Br u/s Liffey R confl	284749	209122	55	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	104	30	100	0	81	0	0	1	18	0	0
1100	102	39	100	0	85	0	0	1	14	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 : **KING'S (LIFFEY)**

09/K/01

Tributary of : Blessington Reservoir

OS Catchment No: 168

OS Grid Ref of Confluence: N 973 052

Date(s) Surveyed: 18/4/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1983	1988	1991	1996	1998	2002	2005	2007
0020	-	5	4-5	4-5	4-5	-	-	-
0060	-	-	-	-	-	3-4	4-5	4
0100	5	5	4-5	4-5	4	4-5	4	4-5

Assessment: The macroinvertebrate fauna indicated satisfactory ecological conditions in the upper reaches (0060 and 0100) in 2007, however signs of enrichment were evident with enhanced instream plant and algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Ballinagee Br	303622	202375	56	WW
0060	Br 100m u/s Ballinagee R confl	303310	202040	56	WW
0100	Lockstown Br	297931	203395	56	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	262	15	100	0	3	6	84	0	0	0	7
0100	199	78	100	0	4	21	61	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 : **LEMONSTOWN STREAM**

09/L/03

Tributary of : 09L01 LIFFEY

OS Catchment No: 168

OS Grid Ref of Confluence: N 908 096

Date(s) Surveyed: 1/5/2007, 30/4/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2002	2005	2007
0100	5	4-5	4-5	4	5	4-5	4-5
0400	4-5	4	-	-	-	-	-
0600	4	4	3-4	3-4	4	4-5	4-5

Assessment: Continuing highly satisfactory ecological conditions in 2007, although bank erosion noted at the downstream station (0600) could be prevented, by simple fencing preventing livestock direct access to the watercourse.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Athgrean	293327	203450	56	WW
0400	Lemonstown Br	291760	205150	55	
0600	2nd Br u/s Liffey R confl	291421	208288	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	174	5	100	0	16	39	45	0	0	0	0
0600	135	27	100	0	76	8	13	0	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 : **LIFFEY**

09/L/01

Tributary of : Sea - Dublin Bay

OS Catchment No: 168

OS Grid Ref of Confluence: O 123 342

Date(s) Surveyed: 1/5/2007, 2/5/2007, 17/4/2007, 19/4/2007,
30/4/2007

Station Nos.	Biological Quality Ratings (Q Values)																	
	1971	1973	1974	1977	1978	1979	1980	1981	1983	1984	1986	1988	1991	1995	1998	2002	2005	2007
0100	-	-	-	-	-	-	5	-	-	-	-	4	4-5	4-5	4-5	5	5	4-5
0200	-	-	-	-	-	-	5	-	5	-	-	4-5	4-5	4-5	4	5	4	4
0250	-	-	-	-	-	-	-	-	5	-	-	5	5	5	5	4	4	3-4
0400	5	5	5	-	3	-	4	-	2	-	3	4	4	2-3*	3-4	3-4*	3-4	3-4
0500	5	-	4-5	-	3	-	4	-	2	-	3	-	4	4	3-4*	4	4	4
0600	5	-	4-5	-	4-5	-	5	-	4-5	-	-	5	4-5	4	4-5	4-5	3-4	4
0700	-	-	5	-	4-5	-	5	-	5	-	-	4-5	4-5	4	4-5	4-5	4	4
0800	5	-	5	-	-	4-5	5	-	4-5	-	-	4-5	4-5	-	-	-	-	-
0850	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4-5	4	4
0900	5	4-5	-	4-5	-	4-5	5	5	5	-	-	5	4	-	-	-	-	-
1000	2/0	3-4	-	4	-	4-5	3	3-4	3-4	4-5	-	4-5	4	4	4-5	4	4	4
1050	2/0	3	-	4-5	-	3	-	-	4-5	4-5	-	5	4	4	4	4	4	4
1100	3/0	3-4	3-4	4-5	-	4-5	5	4-5	4-5	-	-	4-5	4-5	-	-	-	-	-
1200	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	2	4	4	3-4
1400	3	3	-	3-4	-	3-4	3-4	4	4-5	-	4-5	4-5	3-4	3-4	3	-	-	-
1500	3-4	3-4	4	-	4	-	-	4	4-5	-	-	4-5	3-4	3	3-4	4	3-4	3-4
1600	4	4	4	-	3-4	-	-	4	4-5	-	-	4	3-4	3-4	3-4	4	3-4	3-4
1610	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3-4	4	-	-
1700	4	4	4	-	3-4	-	-	4	4-5	-	-	4	3	3-4	3-4	4	4	3-4
1900	3	3-4	4	2-3	3	-	-	3	4	-	3-4	3-4	3-4	-	3	3-4*	3	3
2000	-	-	-	-	-	-	-	3	3-4	-	3-4	3-4	3	-	-	-	-	-
2100	4	4	4	3	3	-	-	3	3-4	-	3-4	3-4	2-3	2-3	2-3	3	3	3-4
2327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
2330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
2360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4
2400	3	3	3	3	3	-	-	3	3	-	2-3	2-3	3	-	-	-	-	-

Assessment: Ecological quality in the River Liffey in May 2007 was generally satisfactory in the upper reaches but unsatisfactory in the lower reaches downstream of Castlekeely Ford (1200). Although remaining satisfactory, the upper reaches are stressed by forestry, agriculture and quarrying with slight pollution indicated at Ballyward (0250) and at Ballymore Eustace Bridge (0400). Rubbish burning at Station 0100 marred the aesthetic beauty of this remote location. Signs of enrichment in the river from Ballyward (0250) to Connell Ford (0850) were evident with enhanced instream plant and filamentous algal growth and heavy siltation noted. Slight improvements were noted upstream of Kilcullen (0600) and at Lucan Bridge (2100). An unwelcome decline in ecological quality was indicated by the macroinvertebrate community at Castlekeely Ford (1200) below Oberstown with heavy siltation and excessive algal growth noted. Conditions continued to indicate slight pollution downstream with abundant weed and algal growth at Clane (1500), luxuriant algal developments at Straffan (1600) and at Celbridge (1700) reflecting some considerable eutrophication at these locations. The macroinvertebrate fauna indicated moderate pollution at Leixlip bridge (1900) with heavy siltation and luxuriant weed and algal growth noted. As already mentioned a slight improvement was noted at Lucan bridge (2100) however further improvement is required here before satisfactory ecological conditions can be achieved.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	2km NW of Sally Gap	310987	212757	56	WW
0200	Ballysmuttan Br	305636	214857	56	WW
0250	0.5km d/s Ballyward Br (just d/s Ballyward Brook conflu)	302385	215906	56	WW
0400	Ballymore Br	292687	209736	56	KE
0500	1km d/s Ballymore Br	292152	210380	56	KE
0600	New Br	287046	209850	55	KE
0700	Kilcullen Br	284214	209758	55	KE
0800	Athgarvan Br	282157	212121	55	KE
0850	Connell Ford	281357	213685	55	KE
0900	Br in Newbridge	280750	215310	55	
1000	2.5 km d/s Newbridge	281811	217827	55	KE
1050	Victoria Br	284239	219446	55	KE
1100	Caragh Br	285486	220770	49	KE
1200	Castlekeely Ford (RHS)	286892	221619	49	KE
1400	Millicent Br	288194	224601	49	KE
1500	Alexandra Br Clane (d/s side)	287985	227075	49	KE
1600	Straffan Turnings Lr (RHS & Mid)	292365	229200	50	KE
1610	Straffan Turnings Lr (LHS)	292378	229199	50	KE
1700	Br in Celbridge	297363	232894	50	KE
1900	Leixlip Br (RHS)	300748	235823	50	DN
2000	D/s Leixlip STP	301858	235837	50	DN
2100	Lucan Br	303486	235516	50	DN
2327	Mill Lane Studio	309180	235210	50	DN
2330	1km u/s Chapelizod Br (Glenaulin P	309691	234954	50	DN
2360	0.2 km d/s Chapelizod Br (Lynch's	310341	234172	50	DN
2400	Islandbridge: UCD Boat Club	311750	234110	50	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	348	7	100	0	0	0	100	0	0	0	0
0200	216	69	100	0	4	11	81	0	0	0	4
0250	186	88	100	0	8	12	73	0	0	0	6
0400	118	328	100	0	25	12	43	2	5	6	7
0500	117	334	100	0	26	12	42	2	5	6	7
0600	106	395	100	0	35	11	36	2	5	5	6
0700	100	441	100	0	40	10	33	2	6	5	5
0800	92	N/A	99	1	41	9	32	2	6	4	5
0850	90	454	98	2	41	9	32	2	6	4	5
1000	78	483	92	8	42	9	30	3	7	4	5
1050	74	504	89	11	42	9	30	3	7	4	5
1100	72	560	81	19	45	8	28	3	8	4	4
1200	70	563	81	19	45	8	28	3	8	4	4
1400	67	610	78	22	47	7	26	5	9	3	4
1500	64	620	77	23	47	7	25	5	9	3	4
1600	60	654	73	27	48	7	24	5	10	3	4
1610	60	654	73	27	48	7	24	5	10	3	4
1700	50	797	70	30	52	6	20	5	12	3	3
1900	27	1033	53	47	57	5	15	5	13	2	2
2000	25	N/A	53	47	57	5	15	5	14	2	2
2100	20	1095	52	48	57	5	14	6	15	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 : **LYREEN**
 Tributary of : 09R01 RYE WATER
 OS Grid Ref of Confluence: N 942 388
 Date(s) Surveyed: 3/5/2007

09/L/02
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)																
	1971	1973	1977	1979	1981	1983	1985	1987	1988	1989	1991	1994	1996	1998	2002	2005	2007
0030	-	-	-	-	-	-	-	-	3	-	2-3	-	-	-	-	-	-
0035	-	-	-	-	-	-	-	-	-	-	-	3	2-3	2-3	3	3	3-4
0040	-	-	-	-	-	-	-	2-3	3	2-3	1	2	-	-	-	-	-
0100	1-2	2	1	2	2	2	1-2	3	2-3	3	2	2-3	2	2-3	2-3	3	3

Assessment: The Lyreen was in an unsatisfactory ecological condition at both survey points in May 2007. Moderate pollution was noted at the downstream reaches (0100) with dissolved oxygen (DO) reading at 198% at that time.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br S of Treadstown	290950	236660	49	
0035	Br NE of Treadstown	291542	237256	49	KE
0040	U/s Br in Maynooth	293591	237684	50	KE
0100	Just u/s Rye Water confl	294316	238709	50	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0035	60	61	0	100	78	4	0	0	18	0	0
0040	52	85	0	100	73	3	0	2	23	0	0
0100	48	88	0	100	72	3	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 : **MAYNE** **09/M/03**
 Tributary of : Sea - at Howth OS Catchment No: 165
 OS Grid Ref of Confluence: O 239 416
 Date(s) Surveyed: 10/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2002	2005	2007
0500	3	3	2-3	2/0	3	3	3

Assessment: Unsatisfactory, poor ecological conditions continue in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Wellfield Br	322189	241436	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	10	15	0	100	19	0	0	42	40	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 : **MORELL**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: N 926 921
 Date(s) Surveyed: 17/4/2007

09/M/01
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1982	1986	1988	1991	1998	2002	2005	2007
0060	-	-	-	-	-	4	4	4	-
0080	-	-	4-5	4	4	-	-	-	-
0100	3	4	4	4	4	3	3	4	3-4
0150	-	-	3	3	3	3*	3	3-4	3-4
0200	-	3	3	3	3-4	-	-	-	-
0250	-	-	-	3	-	-	-	-	-
0300	5	4	4	4	3-4	4	4	4	4-5

Assessment: The Morell River was in a generally unsatisfactory ecological condition in the upper reaches (0100, 0150) while the macroinvertebrate fauna indicated highly satisfactory ecological conditions in the lower reaches (0300) in April 2007. A decline in quality was noted at Johnstown (0100) with excessive siltation and enhanced weed growth. Slight pollution was also noted in the Sherlockstown area (0150). Agriculture and domestic sources suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	(S) Br W of Tipper Ho	291833	218840	55	KE
0080	Bridge near Fishery	291360	220410	49	
0100	Johnstown Br	291908	221522	49	KE
0150	Morell Br	291580	224822	49	KE
0200	Just u/s Painestown River confl	292210	226890	50	
0250	Morell Br (Old)	292300	227310	50	
0300	Morell Br (lower)	292675	228879	50	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	107	13	100	0	76	0	0	13	11	0	0
0100	85	30	87	13	73	2	0	9	16	0	0
0150	71	48	85	15	75	2	0	7	16	0	0
0300	60	100	75	25	74	1	0	8	17	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 : **OWENADOHER**
 Tributary of : 09D01 DODDER
 OS Grid Ref of Confluence: O 141 292
 Date(s) Surveyed: 14/5/2007, 25/9/2007

09/O/01
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2002	2005	2007
0800	4	4-5	-	-	-	-	-
1100	5	4-5	4-5	4-5	4	4-5	4-5
1300	4-5	4	4-5	3-4*	4	3/0	3
1700	4	3/0	3	1/0	3-4	3	3-4

Assessment: The upper reaches (1100) of the Owenadoher River were in a satisfactory ecological condition in 2007 however the downstream reaches are in an unsatisfactory condition. The macroinvertebrate fauna indicated moderately polluted conditions at Scholarstown (1300) while a slight improvement was noted upstream of the Dodder River confluence (1700), conditions however remain unsatisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0800	Br on Mt Venus Rd	0	0	50	DN
1100	Br NE of Jamestown . -	313385	224011	50	DN
1300	Scholarstown Road Br	313600	226813	50	DN
1700	Br u/s Dodder R confl	314123	229007	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1100	166	4	100	0	13	43	36	0	6	0	2
1300	80	12	100	0	25	24	28	10	12	0	1
1700	40	0	0	100	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 : **PAINESTOWN**
 Tributary of : 09M01 MORELL
 OS Grid Ref of Confluence: N 922 273
 Date(s) Surveyed: 17/4/2007

09/P/01
 OS Catchment No: 168

Station Nos.	Biological Quality Ratings (Q Values)											
	1981	1982	1984	1986	1988	1989	1990	1991	1998	2002	2005	2007
0300	-	3	3	3-4	3-4	-	-	3	3-4	1-2	3	-
0400	3	1	1	2	1	1-2	1-2	3	3-4	3-4	3-4	3-4
0450	-	-	-	3	2-3	2-3	-	3	-	-	-	-
0470	-	-	-	-	-	-	-	-	-	4	-	-
0500	4	3	4	3	3-4	-	-	3-4	4	-	-	-

Assessment: The Painstown stream was in an unsatisfactory ecological condition at Painstown bridge (0400) in 2007. The limited diversity of macroinvertebrate fauna indicated slight pollution with calcification and compaction of the substrate observed. Excessive siltation and enhanced algal growth noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge in Kill Village	294184	222906	50	DN
0400	Painestown Br	294012	224325	50	DN
0450	Bridge N. of Alasty	293800	225700	50	
0470	Br 300m u/s Morell R confl	292390	226430	50	DN
0500	Just u/s Morell River confl	292186	227063	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	96	7	100	0	73	0	0	16	11	0	0
0400	81	13	100	0	75	0	0	14	11	0	0
0500	65	40	87	13	74	1	0	8	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 : **PINKEEN**
 Tributary of : 09T01 TOLKA
 OS Grid Ref of Confluence: O 053 410
 Date(s) Surveyed: 9/5/2007

09/P/02
 OS Catchment No: 167

Station Nos.	Biological Quality Ratings (Q Values)				
	1996	1998	2002	2005	2007
0400	3	2-3	-	-	-
0700	1	3	3	3	3-4

Assessment: This small stream may run dry at times and so the total lack of sensitive species may not be entirely due to pollution but in any case dilution/assimilative capacity is minimal and so even small waste inputs would be expected to adversely affect stream ecology as at the time of this survey when there were indications of a significant degree of water quality impairment. A slight improvement in the Powerstown area (0700) was noted in 2007 although the stream remains in an unsatisfactory ecological condition. Heavy siltation of substratum noted where livestock have direct access to the watercourse.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br S of Nuttstown Cross	304512	244617	50	MH
0700	Br SW of Powerstown	305800	242500	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	70	7	0	100	64	0	0	0	36	0	0
0700	63	6	0	100	13	0	0	15	72	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 : **PODDLE**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: O 155 343
 Date(s) Surveyed: 25/9/2007

09/P/03
 OS Catchment No: 168

Station Nos.	2007	Biological Quality Ratings (Q Values)
0400	3	

Assessment: The Poddle stream was moderately polluted at Kimmage (0400) in 2007. The lack of sensitive macroinvertebrate species and the abundance of tolerant species indicated severe ecological disruption. Excessive siltation and the presence of *Cladophora* sp. a filamentous algae indicative of enrichment were noted. Recent excavation works on the bank noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br in Kimmage Manor Grounds	312710	229996	0	DN

River and Code : **RATHMORE STREAM**

09/R/02

Tributary of : 09M01 MORELL

OS Catchment No: 168

OS Grid Ref of Confluence: N 916 220

Date(s) Surveyed: 17/4/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1982	1986	1988	1991	1998	2002	2005	2007
0100	4-5	4	4-5	4	3-4	4	4-5	4-5	-
0200	4-5	3-4	4	4	3-4	4-5	4	4-5	4
0300	5	3-4	4	4	3-4	4	4-5	4-5	-

Assessment: Although the macroinvertebrate fauna indicated satisfactory ecological conditions, there was some imbalance in the macroinvertebrate community. Further signs of ecological disruption were evident with enhanced instream algal growth, high dissolved oxygen readings (142%) and excessive siltation. Also known as Hartwell stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge at Rathmore	296020	219497	56	KE
0200	Bridge S.W. of Arthurstown	294988	220883	50	KE
0300	Tobenavoher Br	292542	221951	50	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	167	1	100	0	83	0	0	0	17	0	0
0200	132	12	100	0	85	0	0	0	14	0	0
0300	88	15	96	4	86	0	0	0	14	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 : **RYE WATER**
 Tributary of : 09L01 LIFFEY
 OS Grid Ref of Confluence: O 006 359
 Date(s) Surveyed: 3/5/2007, 9/5/2007

09/R/01
 OS Catchment No: 168

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1975	1977	1979	1981	1983	1985	1988	1989	1990	1991	1996	1998	2002	2005	2007
0090	-	-	-	-	-	-	-	-	2-3	-	-	3	-	-	-	-	-
0100	4-5	4	3-4	3-4	3-4	3-4	3	3-4	3	-	-	3	3-4	3-4	4	3-4	4
0200	1-2	1-2	2	1	1	2-3	1/0	2-3	2/0	-	2	3/0	3-4	3*	3	-	-
0300	2	4	3	2-3	3	3-4	1	3-4	2-3	3	-	3-4	3-4	3	3-4	4	3-4
0350	-	-	-	-	-	-	1	3-4	3	3-4	-	3	-	-	-	-	-
0400	2	3-4	1	1	2-3	3	1	2-3	2	2-3	-	3	3	3	3	3	3-4
0500	3-4	4	3	3	3-4	4	3	4	3-4	-	-	3-4	3	3	3-4	-	-
0600	4	4	3-4	3-4	4	4	3-4	-	3-4	-	-	3-4	3	3	3	3/0	3

Assessment: Widespread eutrophication continued to affect the Rye water in 2007. Some improvement was apparent at Balfeaghan bridge (0100) but slight pollution continued downstream at Annes Bridge (0300) and Kildare bridge (0400). The macroinvertebrate fauna continued to indicate moderate pollution at Leixlip (0600).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Nr Ferrans Lock	285707	241887	49	MH
0100	Balfeaghan Br	288059	240625	49	MH
0200	500 m d/s Kilcock Br	289038	239440	49	MH
0300	Anne's Br	293012	239467	50	MH
0350	Just u/s Lyreen R confl	294294	238793	50	MH
0400	Kildare Br	294607	238610	50	MH
0500	Sandford's Br	297902	237593	50	KE
0600	Br in Leixlip	300427	235996	50	KE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	74	17	0	100	90	0	0	2	8	0	0
0100	69	32	0	100	95	0	0	1	4	0	0
0200	66	36	0	100	94	0	0	3	4	0	0
0300	54	56	0	100	92	0	0	2	6	0	0
0350	48	80	0	100	92	0	0	1	7	0	0
0400	48	168	0	100	81	1	0	2	15	0	0
0500	40	193	0	100	80	2	0	2	16	0	0
0600	28	204	0	100	78	2	0	3	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 : **SANTRY**
 Tributary of : Sea - at Dollymount
 OS Grid Ref of Confluence: O 203 376
 Date(s) Surveyed: 10/5/2007

09/S/01

OS Catchment No: 166

Station Nos.	Biological Quality Ratings (Q Values)									
	1988	1989	1990	1991	1994	1996	1998	2002	2005	2007
0300	1	1	1	2/0	1	2	1-2	2	2-3	2-3
0800	1	-	-	-	-	-	-	-	-	-

Assessment: Unsatisfactory poor ecological conditions continue at Clonshaugh (0300) in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Clonshaugh Rd Br	318793	240030	50	DN
0800	Harmonstown Rd Br	0	0	50	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	0	9	0	100	4	0	0	67	29	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 : **TOLKA**
 Tributary of : Sea - Dublin Bay
 OS Grid Ref of Confluence: O 176 358
 Date(s) Surveyed: 9/5/2007, 10/5/2007

09/T/01

OS Catchment No: 167

Station Nos.	Biological Quality Ratings (Q Values)																		
	1971	1973	1975	1977	1979	1981	1983	1985	1987	1988	1989	1990	1991	1994	1996	1998	2002	2005	2007
0100	-	-	-	-	1	4	3-4	3	-	3	-	-	3	3	-	-	-	-	-
0130	-	-	-	-	3	3	4	3	-	3	-	-	-	3	-	-	-	-	-
0140	-	-	-	-	-	-	-	-	-	3	-	-	3	3	-	-	-	-	-
0300	-	-	-	-	-	3-4	-	3	-	3	-	-	3	3	2	3	3	3-4	3-4
0310	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-
0400	-	-	-	-	3-4	3-4	3-4	3-4	-	3	-	-	3	3-4	-	-	-	-	-
0600	4-5	4	3-4	3-4	3-4	3-4	3-4	3-4	-	2	2	2	2-3	3	3	3	3-4	3-4	3-4
0700	3-4	3-4	2-3	3-4	2-3	3	2-3	2-3	-	2	-	-	2	2-3	-	-	-	-	-
0800	1	2	2-3	3-4	3	3	3	2	3	2	2-3	-	2-3	3	2-3	3	3	3	2-3
0900	2-3	3-4	4	3-4	3	3-4	3-4	3	-	2	3	-	3	3	-	-	-	-	-
1000	4	4	2-3	3	2-3	2-3	2-3	2-3	-	2-3	3	-	2-3	-	3	2-3	2-3	3	2
1050	4-5	-	-	-	-	3	3	3	-	3	3	-	3	3	-	-	-	-	-
1100	1	1	1/0	1	1	3/0	1/0	2	2	1-2	1-2	1	1/0	2-3/0	3	2-3	2-3	2/0	3
1200	1	1	-	1	1	1-2	2	2	2	2	1/0	1-2	2	2-3	-	-	-	-	-

Assessment: The Tolka River was in an unsatisfactory hypertrophic condition again in 2007. Slight pollution continues to impact the macroinvertebrate fauna in the Black Bull area (0300) and at Dunboyne (0600) with luxuriant growths of algae and excessive siltation noted. A further decline in ecological quality compared to the 2005 survey results was noted at Mulhuddart Bridge (0800) and serious pollution was noted at Dunsink Lane Bridge (1000). Abundant growth of filamentous algae and sewage fungus coupled with heavy siltation was noted at this site. A slight improvement was noted at Violet Hill Drive (1100) where serious pollution was observed in 2005, however moderate pollution continues to impact this reach.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Portan Br	0	0	50	
0130	3d Br d/s Portan Br	0	0	50	
0140	Br at Woodpark Stud	0	0	50	
0300	Br at Black Bull	300722	245600	50	MH
0310	Br W of The Flat House	0	0	0	
0400	Br NNE of Dunboyne	0	0	50	MH
0600	Loughsallagh Br	302782	241683	50	MH
0700	Clonee Br	0	0	50	
0800	Mulhuddart Br	306710	240384	50	DN
0900	Old Corduff Rd Br u/s Blanchardstown	0	0	50	
1000	Dunsink Lane Br (Abbotstown Br)	309292	238346	50	DN
1050	Cardiff's Br	312422	237746	50	
1100	Violet Hill Drive Finglas	314313	237425	50	DN
1200	Drumcondra Rd Br	316200	236730	50	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	75	18	0	100	80	0	0	1	19	0	0
0600	64	44	0	100	83	0	0	3	15	0	0
0800	52	103	0	100	67	0	0	10	23	0	0
1000	40	116	0	100	61	0	0	17	22	0	0
1100	15	136	0	100	53	0	0	27	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.

ERBD: HYDROMETRIC AREA NO. 09

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.

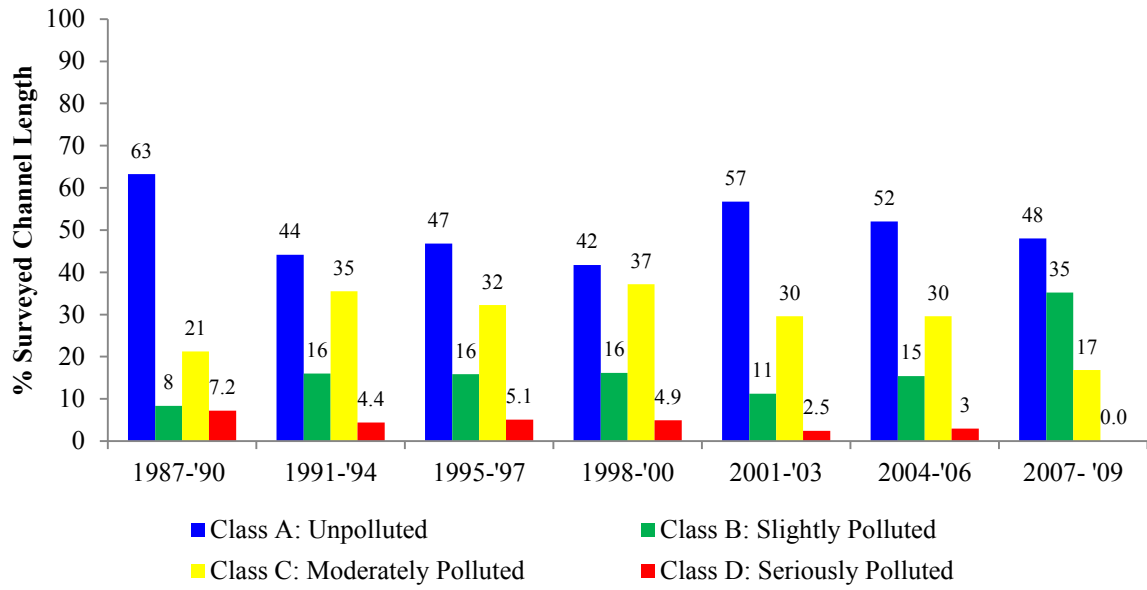
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Annalecka Brook	2007	09A01	4.0	0.0	0.0	0.0	0.00	4.0
Ballinagee	2007	09B08	0.0	3.5	0.0	0.0	0.00	3.5
Ballydonnel Brook	2007	09B03	5.0	0.0	0.0	0.0	0.00	5.0
Ballylow Brook	2007	09B04	0.0	3.5	0.0	0.0	0.00	3.5
Brittas	2007	09B02	0.0	6.0	4.5	0.0	0.00	10.5
Camac	2007/08	09C02	4.0	0.0	0.0	15.5	0.00	19.5
Clonshanbo	2007	09C03	0.0	0.0	0.0	4.0	0.00	4.0
Cock Brook	2007	09C04	2.5	0.0	0.0	0.0	0.00	2.5
Dodder	2007	09D01	0.0	13.5	5.5	1.5	0.00	20.5
Douglas (Liffey)	2007	09D02	3.5	0.0	0.0	0.0	0.00	3.5
Dunboyne Stream	2007	09D04	0.0	0.0	0.0	2.5	0.00	2.5
Glashaboy Brook	2007	09G02	0.0	2.0	0.0	0.0	0.00	2.0
Kilcullen Stream	2007	09K02	0.0	6.0	0.0	0.0	0.00	6.0
Kings (Liffey)	2007	09K01	7.3	8.7	0.0	0.0	0.00	16.0
Lemonstown Stream	2007	09L03	9.0	0.0	0.0	0.0	0.00	9.0
Liffey	2007	09L01	4.5	38.5	55.5	1.5	0.00	100.0
Lyreen	2007	09L02	0.0	0.0	6.5	1.5	0.00	8.0
Mayne	2007	09M03	0.0	0.0	0.0	2.0	0.00	2.0
Morell ¹	2007	09M01	3.5	3.0	4.5	0.0	0.00	11.0
Owenadoher	2007	09O01	4.5	0.0	1.5	1.0	0.00	7.0
Painestown ¹	2007	09P01	0.0	0.0	6.0	0.0	0.00	6.0
Poddle ¹	2007	09P03	0.0	0.0	0.0	2.0	0.00	2.0
Pinkeen	2007	09P03	0.0	0.0	2.5	0.0	0.00	2.5
Rathmore Stream ¹	2007	09R02	0.0	7.0	0.0	0.0	0.00	7.0
Rye Water	2007	09R01	0.0	11.0	9.5	0.5	0.00	21.0
Santry	2007	09S01	0.0	0.0	0.0	5.0	0.00	5.0
Tolka	2007/8	09T01	0.0	0.0	15.0	13.0	0.00	28.0
Total Length (km) surveyed this cycle	2007/'08		47.8	102.7	111.0	50.0	0.0	311.5
Adjustments (See below)*			3.5	10.0	10.5	2.0	0.0	26.0
Percentages			15.5	32.5	35.2	16.8	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current Adjusted Status (km)	2007 -'09		137.0	100.5	48.0	0.0	285.5	
Percentages			48.0	35.2	16.8	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 -'06		148.5	44.0	84.5	8.5	285.5	
Percentages			52.0	15.4	29.6	3.0		
Changes since Previous Survey (km)			-11.5	56.5	-36.5	-8.5	0.0	

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

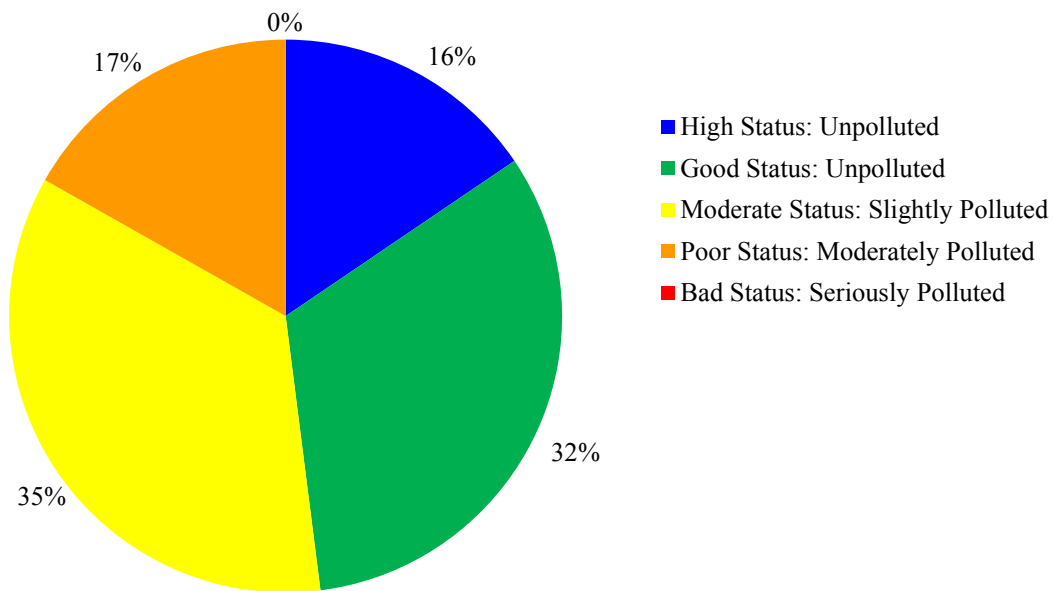
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 09 : Trends
 % Surveyed Channel Length in Four Quality Classes



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



HYDROMETRIC AREA 11 (Owenavorragh)

ASKINCH UPPER STREAM *	11A03
AUGHBOY (WEXFORD)	11A02
BALLYEDMOND	11B01
BANOGE	11B02
BLACKWATER (WEXFORD)	11B03
BRACKAN	11B04
CLONOUGH	11C01
GORTEEN UPPER STREAM *	11G01
INCH (WEXFORD)	11I01
OWENAVORRAGH	11O01

* ASKINCH UPPER STREAM Formerly Clonough North West Branch 11C01

* GORTEEN UPPER STREAM Formerly Inch North Branch 11I01

River and Code : **ASKINCH UPPER STREAM** **11/A/03**
 Tributary of : 11C01 CLONOUGH OS Catchment No: 176
 OS Grid Ref of Confluence: T 2035 68
 Date(s) Surveyed: 19/6/2007

Formerly Clonough North West Branch 11C01

Station Nos.	1989	1993	1994	1995	Biological Quality Ratings (Q Values)			
	1998	2001	2005	2007				
0035	2-3	2*	2-3	2-3	2-3	3*	3	2-3

Assessment: The Askinch Upper Stream was again moderately polluted with considerable impact from heavy deposits of silt when sampled in June 2007. Formerly reported as the North West Branch of the Clonough River (11C01) (q.v).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0035	Br d/s Ballykilty Br	320304	169061	62	WX

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: 13/9/2007, 19/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0180	3	3	2	1	2	3	2-3
0200	-	-	-	-	-	-	2*

Assessment: The Aughboy River is seriously polluted by suspected sewage in Riverchapel (0200). Excessive siltation coupled with the presence of a limited diversity of tolerant macroinvertebrate species indicated significant ecological disruption.

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.

River and Code : **BALLYEDMOND**
 Tributary of : 11O01 OWENAVORRAGH
 OS Grid Ref of Confluence: T 157 462
 Date(s) Surveyed: 25/6/2007

11/B/01
 OS Catchment No: 177

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0300	3-4	3	3	3	3	3	3
0400	3-4	3	3	3	3-4*	-	-

Assessment: The Ballyedmond River was moderately polluted again when sampled in June 2007. Sewage is the suspected cause. Unsatisfactory ecological conditions persist.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballyedmond (Old) Br	312881	145165	69	WX
0400	Cullentra Br	315653	146068	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	49	11	100	0	51	0	0	0	49	0	0
0400	36	17	100	0	54	0	0	0	46	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 : **BANOGE**
 Tributary of : 11O01 OWENAVORRAGH
 OS Grid Ref of Confluence: T 160 562
 Date(s) Surveyed: 25/6/2007, 26/6/2007

11/B/02
 OS Catchment No: 177

Station Nos.							Biological Quality Ratings (Q Values)				
	1980	1982	1984	1986	1988	1993	1995	1998	2001	2005	2007
0050	-	-	-	4	5	5	3	4	4	3-4	-
0100	3	3	3	3	-	-	-	-	-	-	-
0110	-	-	-	-	2-3	3	2	2-3	2-3	-	-
0200	2	2-3	3	3	2-3	-	-	-	-	-	2-3
0300	3	2-3	3	3	2-3	3	3	3	3	2-3	3

Assessment: The Banoge River was moderately polluted downstream of Gorey by suspected sewage when sampled in June 2007. Overall ecological conditions unsatisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br near Killynann	315391	162271	62	WX
0100	Br just NE of Gorey	0	0	0	
0110	Br at E side of Gorey	315971	159613	69	WX
0200	2 km S of Gorey (Knockduff)	315750	157993	0	
0300	Br u/s Owenavorrach R	315952	156318	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	66	3	100	0	47	0	0	0	42	0	11
0110	36	11	100	0	35	5	0	11	41	0	8
0300	16	27	100	0	49	2	0	10	37	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 : **BLACKWATER (WEXFORD)**

11/B/03

Tributary of :

OS Catchment No: f2

OS Grid Ref of Confluence: T 138 122

Date(s) Surveyed: 13/9/2007, 25/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0100	4-5	-	-	-	-	-	-
0130	-	4	4	3	-	-	-
0200	4	-	3	3	3	4	3-4
0300	4	3-4	-	-	-	-	3-4

Assessment: A decline in water quality was noted upstream of Blackwater when sampled in 2007. Siltation and the presence of *Cladophora* sp. a filamentous algae indicative of enrichment were noted at both sampling stations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Garryvadden Br	0	0	0	
0130	Br d/s Garryvadden Br	311642	134030	77	WX
0200	Footbridge E of Blackwater at Mill	312880	133908	77	WX
0300	River Gap	313732	132167	0	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0130	22	18	100	0	61	2	0	0	37	0	0
0200	15	37	100	0	61	1	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 : **BRACKAN**
 Tributary of : 11001 OWENAVORRAGH
 OS Grid Ref of Confluence: T 148 545
 Date(s) Surveyed: 25/6/2007

11/B/04
 OS Catchment No: 177

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1985	1989	1993	1995	1998	2001	2005	2007
0100	3-4	2	4-5	3	4	4	4	4	-
0200	3-4	2-3	4	3	3	3-4*	3-4*	4	4

Assessment: Ecological conditions on the Brackan River at Essex Bridge (0200) were satisfactory when sampled in June 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Toberanieran Br	311302	153519	69	WX
0200	Essex Br	314746	154286	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	31	11	100	0	57	2	0	0	41	0	0
0200	23	36	100	0	64	1	0	0	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 : **CLONOUGH**
 Tributary of : 11I01 INCH (WEXFORD)
 OS Grid Ref of Confluence: T 213 664
 Date(s) Surveyed: 19/6/2007

11/C/01
 OS Catchment No: 176

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1985	1989	1993	1995	1998	2001	2005	2007
0050	-	-	4-5	4-5	3	3	-	4	-
0100	3-4	3-4	2-3	1	3	3	3*	-	3
0200	4	2-3	-	-	-	-	-	-	-
0300	-	2-3	3	2	2-3	3	3	4	3

Assessment: The Clonough River was in an unsatisfactory ecological condition when sampled in June 2007. Both stations sampled downstream of Coolgraney indicated moderate pollution with excessive siltation probably exacerbated by localised livestock access.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SW of Coolgreany	318826	169258	62	WX
0100	Br ENE of St Austin's Ho	320000	168698	62	WX
0200	Ballylarkin Br	0	0	0	WX
0300	Clonough Br	321087	166882	62	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	43	8	100	0	56	12	1	2	25	0	5
0100	27	10	100	0	51	10	1	3	32	0	4
0300	11	22	100	0	62	6	0	1	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 : **GORTEEN UPPER STREAM** **11/G/01**
 Tributary of : 11I01 INCH (WEXFORD) OS Catchment No: 176
 OS Grid Ref of Confluence: T 178 665
 Date(s) Surveyed: 19/6/2007

Formerly Inch North Branch 11I01

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0040	5	5	3	4	4	4	4

Assessment: Continuing satisfactory ecological conditions when sampled in June 2007. Formerly reported as the North Branch of the Inch River (11I01).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s Inch River confl	317626	166836	62	WX

River and Code : **INCH (WEXFORD)**

11/I/01

Tributary of :

OS Catchment No: 176

OS Grid Ref of Confluence: T 238 638

Date(s) Surveyed: 19/6/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1983	1985	1989	1993	1995	1998	2001	2005	2007
0095	-	-	-	3-4	4	3	4	-	3-4	-
0130	-	-	-	-	-	-	-	-	-	4
0150	-	-	-	5	3-4	3	3-4	3-4	-	-
0200	2	3-4	3	3	2-3	3	3	3*	4	3-4

Assessment: The Inch River downstream of Inch village (0130) was in a satisfactory ecological condition when sampled in 2007 however the occurrence of *Cladophora* sp., a filamentous algae indicative of nutrient enrichment and heavy siltation were noted. A decline in ecological quality was noted downstream of the Clonough river confluence (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0095	Br in Inch	319027	166849	62	WX
0130	Br 1.5 km d/s Inch Village	320224	166500	0	WX
0150	Br u/s Clonough R confl	320881	166442	62	WX
0200	Castletown Br	321712	164970	62	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0095	22	35	100	0	56	5	0	0	36	0	3
0150	10	36	100	0	57	5	0	0	35	0	3
0200	6	64	100	0	60	5	0	0	32	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 : **OWENAVORRAGH**

11/O/01

Tributary of :

OS Catchment No: 177

OS Grid Ref of Confluence: T 203 561

Date(s) Surveyed: 13/9/2007, 25/6/2007, 26/6/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1983	1986	1989	1993	1995	1998	2001	2005	2007
0080	-	-	-	-	-	3	4	4	4-5	3-4
0100	3-4	3-4	3-4	3-4	-	-	-	-	-	-
0200	-	-	-	-	-	-	3-4	3*	-	-
0300	3-4	4	3-4	3-4	3-4	3	3-4	3	3-4	4
0400	3-4	4	4	4	4	3-4	3-4	-	-	3-4
0500	3-4	4	3-4	4-5	3-4	3-4	3-4	3-4	4	3
0580	-	-	-	-	4	3-4	3-4	3	3-4	-
0600	3-4	4	3-4	4	-	-	-	-	-	3-4
0700	4	4	3-4	4	4	4	3-4	4	3-4	3

Assessment: An unsatisfactory decline in ecological quality was noted at four of the six stations sampled on the Owenavorrach river system in 2007 (stations 0080, 0500, 0600 and 0700). The paucity of sensitive macroinvertebrate species, excessive algal growth and siltation indicated significant ecological disruption. Sewage fungus was also noted at Ballinatray bridge (0700) downstream of the Banoge river confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Ballynahown Br	312901	141749	69	WX
0100	Tomgarrow Br	0	0	0	WX
0200	Corbally Br	315808	146104	69	WX
0300	Br SW of Killenagh	316171	149821	69	WX
0400	Ballycanew Br	315225	151979	69	WX
0500	Essex Br .	315012	154146	69	WX
0580	Br just u/s Banoge R confl	315879	156083	69	WX
0600	Boleany Br	317009	156050	69	WX
0700	Ballinatray Br	319016	156613	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	47	14	100	0	54	0	0	0	46	0	0
0200	35	32	100	0	71	1	0	0	28	0	0
0300	31	61	100	0	67	1	0	0	33	0	0
0400	27	76	100	0	67	1	0	0	32	0	0
0500	22	83	100	0	69	1	0	0	30	0	0
0580	15	123	100	0	67	1	0	0	31	0	0
0600	9	152	100	0	64	1	0	2	32	0	1
0700	4	155	100	0	64	1	0	2	32	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.

SERBD: HYDROMETRIC AREA NO. 11

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.

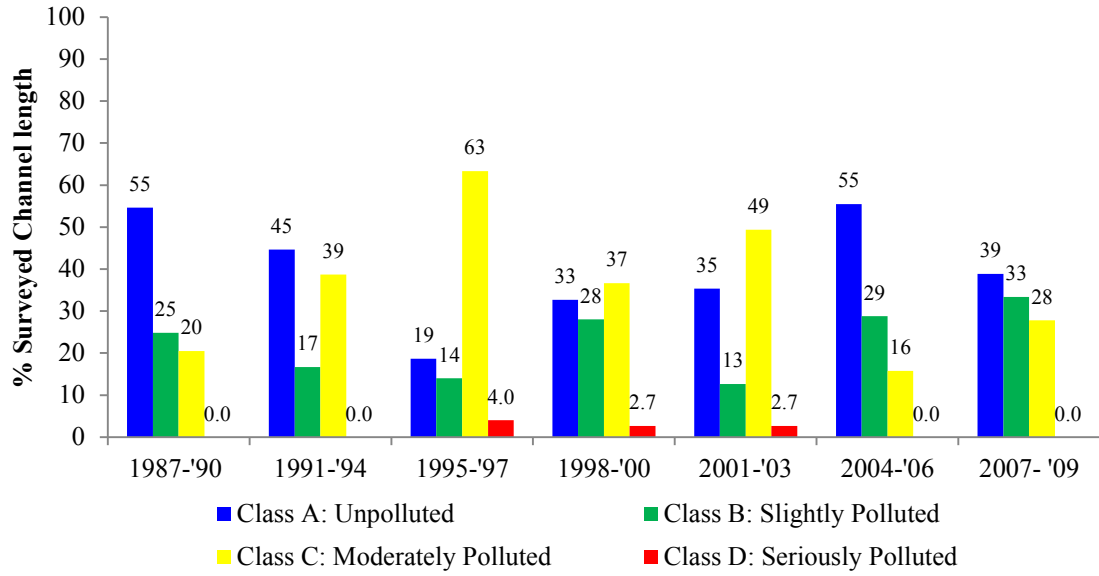
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Askinch Upper Stream	2007	11A03	0.0	0.0	0.0	1.5	0.0	1.5
Aughboy	2007/9	11A02	0.0	0.0	0.0	2.0	0.0	2.0
Ballyedmond	2007	11B01	0.0	0.0	0.5	3.0	0.0	3.5
Banoge	2007	11B02	0.0	0.0	0.0	5.5	0.0	5.5
Blackwater (Wexford)	2007	11B03	0.0	0.0	5.5	0.0	0.0	5.5
Brackan	2007	11B04	0.0	7.0	0.0	0.0	0.0	7.0
Clonough	2007	11C01	0.0	2.5	0.0	4.0	0.0	6.5
Gorteen Upper Stream	2007	11G01	0.0	3.0	0.0	0.0	0.0	3.0
Inch (Wexford)	2007	11I01	0.0	6.5	3.0	0.0	0.0	9.5
Owenavorragh	2007	11O01	0.0	9.0	15.0	4.0	0.0	28.0
Total Length (km) surveyed this cycle	2007 - '09		0.0	28.0	24.0	20.0	0.0	72.0
Adjustments (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Percentages			0.0	38.9	33.3	27.8	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline: Current adjusted Status (km)	2007 - '09		28.0	24.0	20.0	0.0	72.0	
Percentages			38.9	33.3	27.8	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		40.5	21.0	10.5	0.0	72.0	
Percentages			56.3	29.2	14.6	0.0	100.0	
Changes since Previous Survey (km)			-12.5	3.0	9.5	0.0	0.0	

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

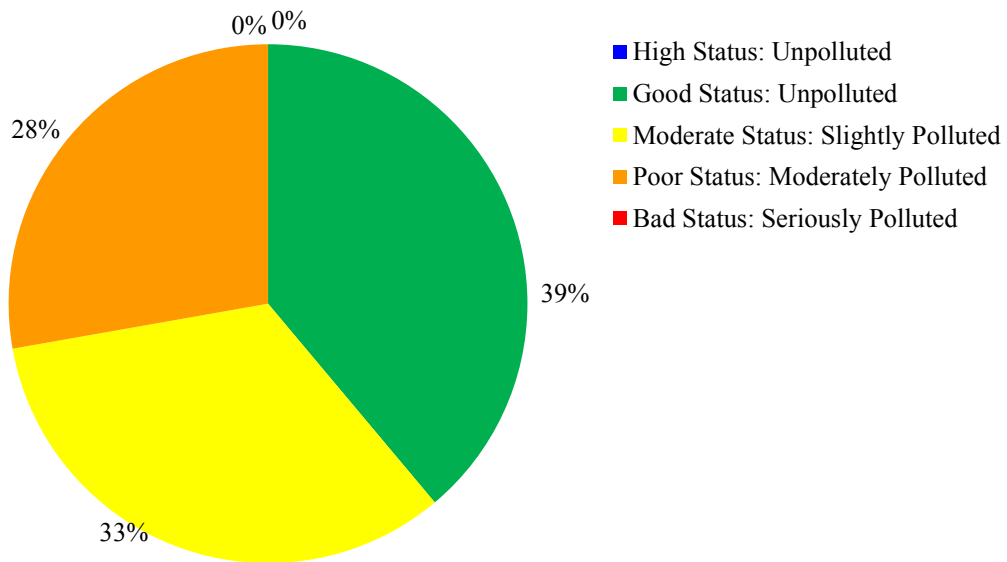
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics

Hydrometric Area 11 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 11 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 12 (Slaney & Wexford Harbour)	
ASKINVILLAR STREAM	12A03
ASSALY	12A02
BALLINGALE STREAM	12B06
BALLYCARNEY STREAM	12B07
BANN	12B01
BLACKLION STREAM (CARLOW)	12B04
BORO	12B02
BORRIS STREAM (SLANEY)	12B05
BROWN'S BECK BROOK	12B03
CAMOLIN STREAM	12C08
CARRIGOWER	12C06
CHAPEL STREAM	12C01
CLODY	12C03
COOLBOY STREAM	12C07
CORBALLY STREAM	12C04
DERREEN	12D01
DERRY	12D02
DOUGLAS (BALLON)	12D03
DOUGLAS (KILTEGAN)	12D04
GLASHA (SLANEY)	12G01
KILLEEN STREAM (BORO)	12K03
KNICKEEN	12K01
LASK	12L01
LITTLE SLANEY	12L02
MINE	12M01
ROSNASTRAW STREAM	12R01
SHILLELAGH	12S01
SLANEY	12S02
SOW	12S03
TINNACROSS STREAM	12T01
TINNOKILLA STREAM	12T02
URRIN	12U01

River and Code : **ASKINVILLAR STREAM**

12/A/03

Tributary of : 12U01 URRIN

OS Catchment No: 175

OS Grid Ref of Confluence: S 864 450

Date(s) Surveyed: 12/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0100	5	-	-	-	-	-	-
0200	-	4-5	4	4-5	4-5	4	4-5
0300	5	-	-	-	-	-	-
0400	4-5	4-5	-	-	-	-	-

Assessment: The Askinvillar Stream was in a highly satisfactory ecological condition in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Whitney's Br	0	0	68	WX
0200	Askinvillar Br	284907	145806	68	WX
0300	0.2km d/s Askinvillar Br	0	0	68	WX
0400	Blacker's Br	0	0	68	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	99	5	100	0	33	7	60	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 : **ASSALY** **12/A/02**
 Tributary of : OS Catchment No: h2
 OS Grid Ref of Confluence: T 060 183
 Date(s) Surveyed: 14/6/2007, 26/9/2007

Station Nos.	2007	Biological Quality Ratings (Q Values)
0200	4	
0300	3-4	

Assessment: The macroinvertebrate fauna at Finoge bridge (0200) on the west branch of the Assaly river indicated satisfactory ecological conditions however excessive siltation and the presence of *Cladophora* sp., a filamentous algae indicative of enrichment were noted. An unsatisfactory decline in ecological quality was noted downstream of the confluence between the north and west branches at Assaly Bridge (0300), excessive siltation and algal growth were also observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Finoge Br (South)	303706	113524	77	WX
0300	Assaly Br.	305181	113299	77	WX

River and Code : **BALLINGALE STREAM**

12/B/06

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 964 498

Date(s) Surveyed: 7/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0300	4	4	3	3-4	4	4	4
0500	4	3-4	-	4	-	-	-
0600	-	-	4-5	-	4	4	-
0700	5	3-4	-	-	-	-	-
0900	4	4-5	4	4-5	4	3-4*	3*

Assessment: Ecological quality again generally just "Fair" (Q4) in the upper reaches (0300) with a decline in quality to moderate pollution in the lower reaches (0900) upstream of its confluence with the Slaney River. Heavy siltation noted in the lower reach.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ballycadden Br	298402	156354	68	WX
0500	Br S of Curraduff X-Rds	297785	154147	69	WX
0600	Br SW of Ballaman	297777	152829	69	WX
0700	Ballymorgan Br	0	0	68	WX
0900	Br u/s Slaney R confl	296748	149813	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	70	9	100	0	32	2	0	0	62	0	4
0500	51	15	100	0	39	1	0	0	57	0	2
0600	41	17	100	0	40	2	0	0	56	0	2
0900	41	17	100	0	40	2	0	0	56	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 : **BALLYCARNEY STREAM**

12/B/07

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 967 490

Date(s) Surveyed: 8/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0300	4-5	4	-	-	-	-	-
0400	-	4	3-4	4-5	4	3-4*	-
0500	4-5	3-4	-	-	-	-	-
0700	4-5	3-4	4	4	4	3-4	4

Assessment: The macroinvertebrate fauna indicated a slight improvement in quality in the lower reaches (0700) when sampled in 2007. Further improvements however are required as over-enriched conditions were noted with enhanced instream plant growth.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Tinnashrule Br	0	0	69	WX
0400	Br d/s Tinnashrule Br	299936	152226	69	WX
0500	Tombrack Br	0	0	69	WX
0700	Br u/s Slaney R confl	296869	148946	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	52	14	100	0	33	6	0	0	54	0	6
0700	13	1006	100	0	50	6	7	1	30	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 : **BANN**

12/B/01

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 985 447

Date(s) Surveyed: 6/6/2007, 11/6/2007, 14/9/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1983	1985	1987	1989	1991	1995	1998	2001	2004	2007
0020	-	-	-	-	-	-	5	5	-	-	-	-	-
0100	-	-	-	-	-	-	5	3-4	4	4-5	4	4-5	4-5
0200	-	-	-	-	-	-	5	4	4-5	4-5	4-5	4-5	4-5
0300	-	-	4-5	4-5	4-5	-	5	5	4	-	-	-	4
0400	5	4	5	4-5	4	-	5	4-5	-	4-5	3-4*	4	4-5
0450	-	-	-	-	-	-	4-5	4	-	-	-	3-4	4-5
0500	4-5	4	4	4	4-5	-	4-5	4	-	-	-	-	4
0600	4	4	4-5	4	-	4	4-5	4	3-4	3	3	4	4
0800	-	-	-	-	-	4	4-5	3-4	-	-	-	-	3-4
0900	4-5	4	4	4	-	4	4-5	3	3-4	3-4	3-4	4	4-5
1000	4-5	4	4	4	-	4	4-5	3-4	4	4-5	3-4	3-4	4

Assessment: The Bann River was in a generally satisfactory ecological condition when sampled in 2007. Excessive siltation however was noted in the upper reaches (0100, 0200 and 0300) and the abundant growth of *Cladophora* sp., a filamentous algae indicative of nutrient enrichment, was noted at Kilmichael Bridge (0300). The biota at Milltown bridge (0800) indicated slight pollution. Excessive siltation was observed and the luxuriant growth of instream plants and filamentous algae indicated nutrient enrichment. Improvements in ecological quality were observed at several stations (0400, 0450, 0900 and 1000) when compared with the previous 2004 sampling period, however the continued luxuriant growth of instream plants and filamentous algae was observed at Doran's Bridge (0900) and Bann Bridge (1000).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Croghan Br	0	0	62	WX
0100	Pallis Br	311591	168208	62	WX
0200	Br at Hollyfort	312177	164156	62	WX
0300	Kilmichael Br	312049	162098	62	WX
0400	Margerry's Br	311485	159358	69	WX
0450	Island Br	309475	157659	69	WX
0500	Ballydaniel Br	307440	153220	69	WX
0600	Milshoge Br	306357	152217	69	WX
0800	Milltown Br	303195	149400	69	WX
0900	Doran's Br	302213	148485	69	WX
1000	Bann Br	298773	144825	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	152	15	100	0	36	18	20	0	14	0	11
0200	90	41	100	0	57	10	9	0	16	0	8
0300	80	44	100	0	57	11	8	0	17	0	7
0400	63	56	100	0	55	10	6	0	23	0	6
0600	30	116	100	0	53	6	3	1	34	0	3
0900	20	160	100	0	49	7	2	1	38	0	3
1000	10	177	100	0	48	6	2	1	40	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 : **BLACKLION STREAM (CARLOW)** 12/B/04
 Tributary of : 12D01 DERREEN OS Catchment No: 175
 OS Grid Ref of Confluence: S 870 703
 Date(s) Surveyed: 21/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0200	3	4-5	4	4	3-4*	3-4	3-4*
0300	-	-	-	3-4	-	-	-
0400	4	4-5	4	-	4	4	4

Assessment: As in 2004, the Blacklion Stream was considerably affected by heavy siltation and over-enrichment by suspected tillage farming in its upper reaches (0200). Ecological quality remained satisfactory upstream of its confluence with the Derreen River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Blacklion	289992	167643	61	WW
0300	Br nr Glebe House	288007	169862	61	WW
0400	Br u/s Derreen R confl	287118	170233	61	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	93	5	100	0	32	5	0	0	55	0	7
0300	78	33	100	0	45	2	4	0	44	0	5
0400	74	36	100	0	48	1	4	0	42	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 : **BORO**

12/B/02

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 975 359

Date(s) Surveyed: 12/6/2007, 13/6/2007, 27/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1987	1991	1995	1998	2001	2004	2007
0010	-	-	-	-	-	-	-	-	4
0012	-	-	-	-	-	-	-	-	4
0020	-	-	4-5	-	-	-	-	-	-
0040	-	-	3/0	3-4	3	3*	3-4*	4	4
0080	-	-	3/0	4	3-4	3-4*	4	4	-
0200	3-4	4	3-4	-	3-4	3-4*	3-4	4	4
0300	3-4	3-4	3-4	4	-	-	-	-	-
0340	-	-	-	4	4	3-4*	3-4	4	4
0360	-	-	4	-	-	-	-	-	-
0400	4	4	4	4	4	3-4*	3-4	4	-
0500	-	-	4	4	-	-	-	-	4
0600	4	4	4	4	4	3	4	3-4	-

Assessment: Continuing satisfactory ecological quality however siltation and compaction of the substrate was noted at several sampling stations. The diversity and abundance of sensitive macroinvertebrate fauna was low at the majority of stations sampled along the Boro River. Enhanced weed growth was also observed in the upper and lower reaches. Agriculture, forestry and sewage all contribute to threaten the ecological status of this river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Corragean (Abstr Point)	280397	142347	68	WX
0012	SW. of slievebaun	281310	140949	68	WX
0020	Crooked Br	0	0	68	WX
0040	Tomanine Br	282957	138652	68	WX
0080	Boro Br	286741	137604	68	WX
0200	Ballymackesy Br	289100	135130	68	WX
0300	Ballyeden Br	0	0	68	WX
0340	Ballinvarry Br	291586	132783	68	WX
0360	Br SE of Ballinavary	0	0	68	WX
0400	Br NW of Wilton Castle	294268	135425	68	WX
0500	Ballynapierce Br	295767	136490	68	WX
0600	Kilcarbry Br	297086	136389	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	86	19	100	0	39	27	18	0	14	0	2
0080	55	50	100	0	51	13	8	0	26	0	2
0200	43	85	100	0	51	10	4	0	33	0	1
0340	31	130	100	0	51	7	3	0	38	0	1
0400	17	140	100	0	52	8	3	0	37	0	1
0600	5	179	100	0	51	6	2	0	40	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 : **BORRIS STREAM (SLANEY)**

12/B/05

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 943 533

Date(s) Surveyed: 7/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0200	4	4	-	-	-	-	-
0300	4	4	4	4-5	4	3*	4

Assessment: An improvement in the macroinvertebrate fauna was noted in this small stream in 2007 when compared to the 2004 survey. Further improvements are necessary however as heavy siltation and the presence of *Cladophora* sp., a filamentous algae indicative of enrichment were observed. Agriculture suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br NW of Kilrush	0	0	68	WX
0300	Br u/s Slaney R confluence	294392	153394	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	26	13	100	0	22	0	0	0	76	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 : **BROWN'S BECK BROOK**

12/B/03

Tributary of : 12C06 CARRIGOWER

OS Catchment No: 175

OS Grid Ref of Confluence: S 916 960

Date(s) Surveyed: 16/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0100	4-5	4-5	-	-	-	-	-
0200	2-3	4	4	4-5	3-4	2	4

Assessment: A satisfactory improvement was noted in the fauna at Donard Bridge (0200) in May 2007 when compared with the previous sampling period. Conditions however still require further improvement as the occurrence of excessive siltation and enhanced instream plant growth including the presence of filamentous algae are indicative of nutrient enrichment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Hell Kettle Br	0	0	56	WW
0200	Donard Br	292678	197792	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	172	11	100	0	35	18	24	0	8	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 : **CAMOLIN STREAM**

12/C/08

Tributary of : 12B01 BANN

OS Catchment No: 175

OS Grid Ref of Confluence: T 064 524

Date(s) Surveyed: 6/6/2007, 14/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1979	1983	1987	1991	1995	1998	2001	2004	2007
0200	-	-	4-5	-	-	-	-	-	-
0300	-	-	4	3	4-5	4-5	4	3*	4
0400	4	4	3-4	3	-	-	-	-	n/s

Assessment: Satisfactory improvement in the macroinvertebrate fauna noted at Kilcloran Bridge (0300) when sampled in 2007. Further continuing improvements are required as heavy siltation still persists.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ralph's Br	0	0	69	WX
0300	Kilcloran Br	306234	152553	69	WX
0400	Bay Br	305651	151977	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	34	15	100	0	23	18	0	1	55	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 : **CARRIGOWER**

12/C/06

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 900 936

Date(s) Surveyed: 16/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0200	4	4	-	-	-	-	-
0300	-	-	3-4	3-4	3-4	3-4	3-4
0400	4	4	-	-	-	-	-
0500	5	-	-	-	-	-	-
0600	-	4-5	4-5	4-5	3-4	3-4	4

Assessment: The Carrigower River was distinctly over-enriched at Merginstown bridge (0300) in 2007, an unbalanced fauna, enhanced instream plant growth and excessive siltation of substratum were noted. The macroinvertebrate fauna indicated a slight improvement downstream of Whitestown (0600) however the enhanced instream plant growth indicates continued enrichment. Sewage and agriculture suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SE of Cowpasture	0	0	55	WW
0300	Merginstown Br	291277	198167	55	WW
0400	Carrigower Br	0	0	55	WW
0500	Whitestown Br	0	0	55	WW
0600	Br d/s Whitestown Br	290725	194830	55	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	154	20	100	0	80	4	2	0	12	0	2
0600	135	46	100	0	67	8	7	1	11	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 : **CHAPEL STREAM**

12/C/01

Tributary of : 12B02 BORO

OS Catchment No: 175

OS Grid Ref of Confluence: S 895 338

Date(s) Surveyed: 27/9/2007

Biological Quality Ratings (Q Values)

Station Nos. **2007**
0100 3

Assessment: The Chapel stream was in an unsatisfactory ecological condition downstream of Clonroche (0100) in 2007. The macroinvertebrate fauna was devoid of sensitive taxa and was dominated by pollution tolerant taxa indicating moderate pollution. Excessive siltation was also noted. Sewage and Agriculture suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Aughananna Br	288900	133822	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	45	3	100	0	41	0	0	0	59	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 : **CLODY**

12/C/03

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 913 569

Date(s) Surveyed: 24/5/2007, 27/9/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1981	1984	1987	1991	1995	1998	2001	2004	2007
0080	-	-	-	4	4-5	4	4-5	4-5	4-5	4-5
0100	-	-	-	4	-	-	-	-	-	4
0200	5	4	3-4	4	4-5	4	4-5	4-5	5	5
0300	3-4	4	3-4	4	3-4	3/0	4-5	3-4	4	-

Assessment: The Clody River was in a satisfactory ecological condition in 2007. Excessive siltation however was noted in both the upper and lower reaches. This is one of the few high quality rivers remaining in the catchment and as such is worthy of special protection.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br near Source	286115	155292	68	WX
0100	Ford NE of Craan	286855	155018	68	WX
0200	Ford (Br) 3km u/s Bunclody	289682	154877	68	WX
0300	Clody Br Bunclody	291006	156850	68	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	121	12	100	0	6	39	37	0	12	0	6
0200	63	28	100	0	20	21	30	0	24	0	5
0300	34	36	100	0	21	18	25	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 : **COOLBOY STREAM**

12/C/07

Tributary of : 12D02 DERRY

OS Catchment No: 175

OS Grid Ref of Confluence: T 009 689

Date(s) Surveyed: 22/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0200	4	4	4	4	4	4	4
0500	4	4	-	-	-	-	-
0700	4-5	-	4-5	4-5	4-5	4-5	4-5

Assessment: The Coolboy Stream remains in a satisfactory ecological condition at both locations surveyed in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Coolboy Br	304471	168439	62	WW
0500	Br NW of Coolboy	0	0	62	WW
0700	Lattin Br	301064	168953	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	84	11	100	0	39	12	0	0	25	0	24
0700	66	101	100	0	52	7	2	1	19	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 : **CORBALLY STREAM**

12/C/04

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 995 421

Date(s) Surveyed: 11/6/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1988	1991	1994	1995	1998	2001	2004	2007
0200	2	3	1	2	3-4	3	3	4	-
0300	3	-	3	3-4	-	-	-	-	3-4
0400	-	-	-	-	3	4-5	3	4-5	-
0500	4	-	-	-	-	-	-	-	-
0600	4-5	-	-	-	4	4-5	3-4*	4-5	4
0700	-	-	4	-	-	-	-	-	-
0900	3-4	-	3	-	4	4	4	3-4*	4

Assessment: The Corbally Stream was in a mostly satisfactory ecological condition when surveyed in 2007. Slight pollution was noted in the upper reaches at Ballincash Bridge (0300) with excessive siltation and enhanced instream plant growth. A slight improvement in biological quality was noted upstream of the Slaney confluence (0900) but further improvements are required as heavy siltation and enhanced plant growth were again noted. Simple fencing limiting livestock access to the water course would help to improve conditions along this stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Kilcormick Br	307395	143956	69	WX
0300	Ballincash Br	305750	142110	69	WX
0400	Ballymoty Br	304456	141076	69	WX
0500	Br d/s Ballymoty Br	0	0	69	WX
0600	Cooladine Br	301619	139502	69	WX
0700	Corbally Br	0	0	69	WX
0900	White's Br	299506	141965	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	61	11	100	0	66	0	0	0	31	0	3
0400	45	38	100	0	51	0	0	0	48	0	1
0600	35	48	100	0	52	0	0	0	47	0	1
0900	5	56	100	0	50	0	0	0	50	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 : **DERREEN**

12/D/01

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 854 689

Date(s) Surveyed: 14/9/2007, 17/5/2007, 21/5/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1976	1980	1983	1986	1989	1991	1994	1995	1998	2001	2004	2007
0050	-	-	-	-	5	5	-	4	4-5	4-5	4-5	5
0100	-	4	5	4-5	5	1/0	4	-	-	-	-	-
0120	-	-	-	-	5	2/0	3	-	-	-	-	-
0150	-	-	-	-	-	-	-	4	5	4	4-5	3-4
0200	5	4	4	4-5	4-5	3/0	4-5	-	-	-	-	3-4
0300	-	3	3	3-4	3	3	-	4	4-5	4-5	4	4
0400	3-4	4	4	4	4	3	-	-	-	-	-	3-4
0420	-	-	-	-	-	3	-	4-5	4	4	3-4	4
0500	4-5	3	4	4	4	4	-	4	4	4	4	-
0550	-	-	-	-	4-5	4	-	-	4	4	4	4
0600	4-5	4	4	4	4	4	-	3-4	4-5	4	-	-
0700	4	4	4	4	4-5	4	-	-	-	-	4-5	4-5
0800	-	-	-	-	4	4	-	3-4	4-5	4	-	-

Assessment: The Derreen River was in a generally satisfactory ecological condition in 2007. An unwelcome significant decline in ecological quality was noted at Ballykilmurray Lower (0150) and upstream of Hacketstown (0200) and again downstream of Hacketstown (0400), although a slight improvement in ecological quality was noted at this station when compared to the 2004 survey. The macroinvertebrate fauna indicated satisfactory ecological conditions downstream of Saulsford bridge (0420) however signs of ecological disturbance were evident with heavy siltation and enhanced instream plant growth noted in the lower reaches (0420, 0550 and 0700). Agriculture, sewage and industrial discharges suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SW of Toorboy	299625	187418	62	WW
0100	Rathcoyle Br	299610	185940	62	WW
0120	Br at Kilcarney	300020	184080	62	WW
0150	Br NE of Ballykilmurray Lr	299839	183644	62	WW
0200	2nd Ford u/s Hacketstown Br	298191	181068	62	CW
0300	Hacketstown Br	296822	180758	62	CW
0400	Saulsford Br	294400	180270	62	CW
0420	Br d/s Saulsford Br	293715	179811	62	CW
0500	Acaun Br	289980	177944	61	WW
0550	Knockeen Br	289532	174694	61	WW
0600	Knockloe Br	287548	173257	61	WW
0700	Rathglass Br	287089	170322	61	WW
0800	Ford u/s Slaney R confl	285483	169414	61	CW

Hydrometric Area 12 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	212	9	100	0	11	21	63	0	0	0	4
0150	160	35	100	0	33	22	31	0	4	0	9
0300	126	60	100	0	49	15	25	0	4	0	7
0420	109	70	100	0	54	13	21	1	6	0	6
0500	91	123	100	0	58	7	13	0	17	0	4
0550	85	175	100	0	57	7	9	0	23	0	4
0600	81	194	100	0	56	6	8	0	26	0	3
0700	74	199	100	0	56	6	8	0	26	0	3
0800	66	237	100	0	55	5	7	0	29	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 : **DERRY**

12/D/02

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 900 598

Date(s) Surveyed: 22/5/2007, 24/5/2007, 30/5/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1984	1987	1991	1995	1998	2001	2004	2007
0100	-	4	4	4	4	4	4-5	4	3-4	4
0200	-	4	4	4	4-5	4-5	4-5	4	4-5	-
0300	4	4	3	4	-	-	-	-	-	-
0350	-	-	-	3-4	4-5	4	4-5	4-5	4-5	4
0400	-	4	3-4	4	4	-	-	-	-	-
0500	-	-	-	4	3-4	4	4-5	4	3-4	4
0600	-	4	3-4	4	-	-	-	-	-	-
0650	-	-	-	4	4-5	-	-	-	-	-
0700	4	4	4	4	4	3-4/0	4-5	3-4*	4	4
0800	-	-	-	-	4	3-4	4	4	4	-
0900	4	4	4	4	4	-	-	-	-	4
1000	-	4	4	4	4	4-5	4-5	4	4	-

Assessment: The Derry River was in a generally satisfactory ecological condition in May 2007 with slight improvements noted at Cross Bridge (0100) and at Shillelagh (0500). Although achieving a satisfactory rating there was evidence that further improvements are needed, as signs of enrichment with enhanced instream plant growth and excessive siltation noted in both the upper and lower reaches.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cross Br	301177	174962	62	WW
0200	Tinahely Br	303696	173264	62	WW
0300	0.5km d/s Tinahely Br	303920	172580	62	WW
0350	Greenahll Br	302129	170746	62	WW
0400	Deegin's Br	0	0	62	WW
0500	Shillelagh Br	299106	167968	62	WW
0600	0.5km d/s Shillelagh Br	0	0	62	WW
0650	Br 1.3km d/s Shillelagh Br	0	0	62	WW
0700	Balisland Br	297818	164508	62	WW
0800	Ford N of Garryhasten	293227	162775	62	WX
0900	Clonegall Br	291706	160946	61	WX
1000	Just u/s Slaney R confl	290088	159878	68	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	126	25	100	0	61	6	1	0	5	0	27
0200	89	33	100	0	50	5	5	0	15	0	26
0350	72	60	100	0	54	6	3	0	17	0	20
0500	60	122	100	0	53	9	3	1	17	0	17
0700	51	136	100	0	53	9	2	1	19	0	15
0800	44	224	100	0	51	8	1	1	28	0	11
1000	38	247	100	0	49	8	1	1	31	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 (BALLON)**

12/D/03

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 855 685

Date(s) Surveyed: 23/5/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1976	1980	1983	1986	1989	1991	1995	1998	2001	2004	2007
0100	-	4	3	3-4	4-5	3-4	3-4	4	3-4	3-4*	3-4
0160	-	-	-	-	4-5	3/0	3	3-4	3-4	3	3
0200	-	4	3/0	4	4-5	4	3	3-4	3-4	4	4
0400	4	4	4-5	4	-	3-4	3	3-4	3-4	3-4	3-4

Assessment: No improvements were noted in the ecological quality of the Douglas (Ballon) River in 2007 when compared to the 2004 results. The Douglas River was in a generally unsatisfactory ecological condition at most points surveyed in May 2007. Moderate pollution was again evident downstream of Ballon (0160) while slight pollution was noted at Myshall bridge (0100) in the upper reaches and at Castlegrace (0400) in the lower reaches. Eutrophication as a result of sewage and agricultural activities suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Myshall Br	282212	160836	61	CW
0160	Sandbrooke Br	284235	167947	61	CW
0200	Sragh Br	284474	163964	61	CW
0400	Bang Up Br	284719	168146	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	93	6	100	0	78	2	3	0	13	0	5
0160	65	26	100	0	60	0	1	0	37	0	2
0200	81	15	100	0	69	1	1	0	27	0	2
0400	64	41	100	0	55	0	0	1	43	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 : **DOUGLAS (KILTEGAN)**

12/D/04

Tributary of : 12D01 DERREEN

OS Catchment No: 175

OS Grid Ref of Confluence: S 932 806

Date(s) Surveyed: 21/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0300	4-5	-	3	4-5	4-5	4	3-4*
0500	3-4	5	3-4	-	-	-	-
0700	4	4-5	4	4	3-4	4	4

Assessment: The Douglas (Kiltegan) River was in a generally unsatisfactory ecological condition in 2007. An unsatisfactory decline in the upper reaches (0300) was evident with an unbalanced macroinvertebrate fauna observed and excessive siltation noted. Further downstream (0700) the fauna indicated satisfactory ecological conditions however signs of enrichment were evident with enhanced instream plant and algal growth.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Highpark Br	296237	184211	62	WW
0500	Kiltegan Br	293746	184174	62	WW
0700	Lucas Br	292749	181645	62	CW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	145	11	100	0	61	0	13	0	25	0	0
0500	125	22	100	0	66	1	7	1	26	0	0
0700	105	37	100	0	63	1	4	1	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 : **GLASHA (SLANEY)**

12/G/01

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 946 528

Date(s) Surveyed: 7/6/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1981	1984	1987	1991	1995	1998	2001	2004	2007
0020	-	-	-	3-4	4-5	-	-	-	-	-
0070	-	-	-	-	4-5	3-4	-	-	-	-
0100	4	4	3-4	4-5	-	3-4	4	3	4-5	4
0120	-	-	-	4	5	-	-	-	-	-
0200	4	4	4	4	4-5	3/0	4	3	3*	4

Assessment: The Glasha River was in a generally satisfactory ecological condition in June 2007. However, although a significant improvement at Coolattin Bridge (0200) was observed, the continued presence of *Cladophora* sp. a filamentous algae indicative of nutrient enrichment and excessive siltation indicates further improvement is required.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br u/s Main Channel confl	0	0	68	WX
0070	Br W of Gorteen	289345	150940	68	WX
0100	Br S of Gorteen	289739	149784	68	WX
0120	Br W of Ballynelahillan	0	0	68	WX
0200	Coolattin Br	294303	152611	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	100	5	100	0	42	9	21	0	29	0	0
0100	83	7	100	0	44	6	15	0	34	0	0
0200	25	28	100	0	46	3	6	0	46	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 : **KILLEEN STREAM (BORO)**

12/K/03

Tributary of : 12B02 BORO

OS Catchment No: 175

OS Grid Ref of Confluence: S 867 376

Date(s) Surveyed: 12/6/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1991	1995	1998	2001	2004	2007
0200	3-4	3	3	4	4	-
0300	4	-	-	-	-	-
0400	4	3	3	4	4	4

Assessment: The macroinvertebrate fauna indicated that ecological quality was satisfactory in the lower Killeen stream (0400) however signs of enrichment were evident with enhanced instream plant growth and excessive siltation noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Milltown Br	284481	140999	68	WX
0300	Glenglass Br	312800	145200	68	WX
0400	Garraun Br	286785	137886	68	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	99	8	100	0	92	2	6	0	1	0	0
0400	57	17	100	0	70	2	3	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 : **KNICKEEN**
 Tributary of : 12S02 SLANEY
 OS Grid Ref of Confluence: S 985 937
 Date(s) Surveyed: 16/5/2007

12/K/01
 OS Catchment No: 175

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0100	5	5	5	-	-	-	-
0250	-	-	-	5	5	4-5	4-5

Assessment: The Knickeen River was in a highly satisfactory ecological condition in 2007, however excessive siltation of substratum was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NE of Golier	299153	195914	56	WW
0250	Br NW of Ballyvaghan	298665	194867	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	244	6	100	0	0	28	67	0	0	0	5
0250	216	12	100	0	0	21	66	0	0	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 : **LASK**
 Tributary of : 12B01 BANN
 OS Grid Ref of Confluence: T 108 591
 Date(s) Surveyed: 6/6/2007

12/L/01
 OS Catchment No: 175

Station Nos.	Biological Quality Ratings (Q Values)								
	1979	1983	1987	1991	1995	1998	2001	2004	2007
0040	-	-	4	4	-	-	-	-	-
0080	-	-	4	3	3-4	3	3-4*	4	4
0100	4	4-5	4	-	-	3-4	-	-	-
0200	-	-	-	-	-	-	-	-	4
0300	-	-	3-4	3-4	4-5	3-4	4	3	-

Assessment: The macroinvertebrate biota continues to indicate satisfactory ecological conditions however signs of enrichment were evident at both stations with enhanced instream plant and algal growth and excessive siltation (0200) noted in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br SE of Baltyfarrell	0	0	62	WX
0080	Br NW of Craan	307865	162302	62	WX
0100	Craanford Br	309064	160194	62	WX
0200	2nd Br u/s Bann R confl (Ballincoola)	309941	159558	69	WX
0300	Br u/s Bann R confl	310848	159035	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	90	14	100	0	68	5	0	0	26	0	1
0100	71	23	100	0	61	5	0	0	33	0	1
0300	58	87	100	0	55	8	4	0	29	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 : **LITTLE SLANEY**

12/L/02

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 935 300

Date(s) Surveyed: 16/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0100	5	5	4	5	4-5	-	5
0300	4-5	5	-	-	-	3-4	-
0400	-	-	-	5	4-5	-	5
0500	5	5	5	-	-	-	-

Assessment: The macroinvertebrate fauna continues to indicate highly satisfactory ecological conditions in 2007 at both the upper (0100) and lower (0400) stations on the Little Slaney River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford S of Coan	298447	191763	56	WW
0300	Rostyduff Br	295819	192450	56	WW
0400	Ford d/s Rostyduff Br	294960	192335	56	WW
0500	Just u/s Slaney R confl	293531	193062	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	235	4	100	0	0	0	91	0	0	0	9
0400	165	17	100	0	21	11	36	0	0	0	32
0500	153	22	100	0	34	9	30	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 : **MINE**
 Tributary of : 12D02 DERRY
 OS Grid Ref of Confluence: S 977 631
 Date(s) Surveyed: 16/5/2007, 24/5/2007

12/M/01
 OS Catchment No: 175

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0200	4-5	4-5	3-4	4	4	4	4
0300	4-5	4	-	-	-	-	-
0400	4	3-4	3-4	3	4	3-4	-
0500	3-4	4	-	-	-	-	-
0600	4	4	3-4	3-4	3-4	3-4	4

Assessment: The Mine River was in a generally satisfactory ecological condition in the upper (0200) and lower (0600) reaches in 2007. A slight improvement was noted in the lower reaches when compared to the 2004 result, however signs of enrichment were evident at both locations with enhanced instream plant and algal growth coupled with excessive siltation observed. Agriculture and sewage suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Money Br	303119	160397	62	WX
0300	Mine Br	0	0	62	WX
0400	Tombreen Br	300371	162146	62	WW
0500	Cronyhorn Br	0	0	62	WW
0600	Ballingate Br	297752	163984	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	82	18	100	0	37	6	0	0	50	0	7
0400	61	29	100	0	40	4	0	0	52	0	4
0600	50	62	100	0	46	4	0	1	47	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 : **ROSTRAW STREAM**

12/R/01

Tributary of : 12D02 DERRY

OS Catchment No: 175

OS Grid Ref of Confluence: T 038 720

Date(s) Surveyed: 22/5/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1988	1991	1995	1998	2001	2004	2007
0200	4	-	4	4	4	4	3-4	-
0300	-	-	3	-	-	-	-	4
0400	2	3	3	3	3	3-4	3	-

Assessment: The Rosnastraw Stream was in a satisfactory ecological condition at Rosnastraw bridge (0300) in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Rosnastraw Br	306165	170789	62	WW
0300	Rosnastraw Br	305351	171036	62	WW
0400	Kilcommon Br	304197	172003	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	90	9	100	0	35	22	0	0	31	0	12
0400	78	19	100	0	47	11	0	0	24	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 : **SHILLELAGH**
 Tributary of : 12D02 DERRY
 OS Grid Ref of Confluence: S991 680
 Date(s) Surveyed: 22/5/2007

12/S/01
 OS Catchment No: 175

Station Nos.	Biological Quality Ratings (Q Values)				
	1995	1998	2001	2004	2007
0500	3-4/0	4-5	3*	4	4-5

Assessment: Continuing satisfactory ecological conditions, although excessive siltation of the substratum was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br u/s Derry R confl	299015	168068	62	WW

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	62	16	100	0	63	20	6	1	2	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 : **SLANEY**

12/S/02

Tributary of : Sea - Wexford Harbour

OS Catchment No: 175

OS Grid Ref of Confluence: S 975 314

Date(s) Surveyed: 7/6/2007, 8/6/2007, 16/5/2007, 17/5/2007,
23/5/2007, 24/5/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1981	1983	1984	1987	1991	1995	1998	2001	2004	2007
0100	-	-	5	-	-	4	4	5	4-5	5	4-5	4	4-5
0200	-	-	4	-	-	4-5	4-5	5	5	4-5	4	4-5	5
0300	-	-	5	-	-	4-5	4-5	5	-	-	-	-	-
0400	-	-	4-5	-	-	4-5	4	4-5	4-5	5	4-5	4	4
0500	-	-	5	-	-	4-5	4-5	5	-	-	-	-	-
0600	-	-	4	-	-	4-5	4-5	4-5	4-5	5	4-5	4	-
0700	5	5	4	-	-	4-5	4	3	4-5	4-5	4	4-5	4
0770	-	-	-	-	-	-	-	-	4-5	4-5	4	-	-
0800	-	-	4-5	-	-	4-5	4	-	-	-	-	4-5	4
0900	5	5	4	-	-	4-5	4	4	4	4	4	-	-
1000	-	-	-	-	-	4-5	4	-	-	-	-	4-5	4
1020	-	-	-	-	-	-	-	4	4-5	4-5	4-5	-	-
1100	-	-	-	-	-	4	4	4	4-5	4-5	4-5	3-4	4
1200	5	4-5	4-5	5	4-5	4-5	4-5	4	4-5	4-5	4-5	3-4	-
1290	-	-	-	-	-	-	4	4	4	4-5	4-5	4	-
1300	-	-	-	-	-	-	3-4	-	-	-	-	-	-
1310	-	-	-	-	-	-	3-4	3-4	-	-	-	-	-
1400	4-5	4-5	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4	4
1500	4	4	4	4	-	3-4	4	-	-	-	-	-	-
1530	-	-	-	-	-	-	-	3-4	3-4	4	-	-	-
1600	-	-	-	-	-	3-4	3-4	3-4	3-4	4-5	3-4	3-4	4
1700	4-5	4	4	-	-	3-4	4	3-4	-	-	-	-	-
1800	4-5	4	4	4	-	3-4	3-4	4	3-4	4-5	4	4	4
1850	-	-	-	4	-	3-4	4	3-4	-	-	-	-	-
1900	4-5	-	3-4	3	3-4	3	3	3	3-4	-	-	-	-
2000	5	3-4	3-4	3-4	3-4	3	3	3	3-4	3-4	4	4-5	3-4
2100	5	4	4	-	-	3-4	4	3	3-4	3-4	3-4	4	3-4
2200	-	4-5	4	-	-	3-4	4	3-4	-	-	-	-	4
2220	-	-	-	-	-	-	-	-	3-4	4	4	4	-
2400	-	-	3	3	-	3	3	-	-	-	-	-	3-4*

Assessment: Ecological conditions remain mostly satisfactory in 2007, however there were indications of over-enrichment downstream of Rathvilly (1000, 1100) and downstream of Tullow (1400) and at Kilcarry bridge (1600). The macroinvertebrate biota indicated unsatisfactory ecological conditions with slight pollution noted downstream of Clohamon (2000) and at Ballycarney bridge (2100). Satisfactory ecological conditions were observed in the lower reaches at Scarawalsh bridge (2200) however signs of enrichment were evident, with enhanced instream plant and filamentous algal growth observed. Agriculture and sewage suspected.

Hydrometric Area 12 (2007)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Seskin Br	297663	193902	56	WW
0200	Kelsha Br	293976	194242	56	WW
0300	Just d/s Little Slaney R confl	293392	193120	56	WW
0400	Waterloo Br	290456	193461	55	WW
0500	Manger Br	288521	192895	55	WW
0600	Tuckmill Br	287638	191459	55	WW
0700	Just d/s Baltinglass Br	286802	188494	61	WW
0770	Maiden's Ford	288183	186455	61	WW
0800	Aldborough Br	288898	185614	61	WW
0900	Ford u/s Rathvilly	288171	182990	61	CW
1000	Rathvilly Br	287749	182163	61	CW
1020	1km d/s Rathvilly Br	286889	181415	61	CW
1100	Rathmore Br	285623	178625	61	CW
1200	Moatabower Br	283201	177713	61	CW
1290	0.5km u/s Tullow Br	285033	173231	61	CW
1300	Tullow Br	285152	173060	61	CW
1310	0.9km d/s Tullow Br	285304	172384	61	CW
1400	Ford 3km d/s Tullow Br	285063	171194	61	CW
1500	Aghade Br	285794	168237	61	CW
1530	W of Ballinastraw	286755	166331	61	CW
1600	Kilcarry Br	289268	162439	61	CW
1700	New Br nr Kildavin	0	0	68	WX
1800	Slaney Br Bunclody	291360	156942	68	WX
1850	1.5 km d/s Slaney Br	291907	155799	68	WX
1900	Clohamon Br	293293	154809	69	WX
2000	1.3km d/s Clohamon Br	293337	154002	69	WX
2100	Ballycarney Br	296784	148846	69	WX
2200	Scarawalsh Br	298371	145069	69	WX
2220	Just W of Salsborough Br	299833	143348	69	WX
2400	1 km d/s Enniscorthy Br	297216	138833	69	WX

Hydrometric Area 12 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	178	27	100	0	1	10	78	0	0	0	11
0200	157	46	100	0	19	14	53	0	0	0	15
0300	153	70	100	0	25	12	45	0	0	0	18
0400	137	78	100	0	29	11	40	0	0	0	19
0500	126	132	100	0	46	9	26	0	5	0	14
0600	121	153	100	0	49	9	23	0	5	0	13
0700	117	167	100	0	51	9	22	1	5	0	12
0770	112	173	100	0	52	8	21	1	6	0	12
0800	110	175	100	0	52	8	21	1	6	0	12
0900	102	207	100	0	54	8	19	1	8	0	10
1020	98	217	100	0	54	8	18	1	10	0	10
1100	91	228	100	0	53	7	17	1	12	0	9
1200	84	238	100	0	54	7	16	1	13	0	9
1290	71	249	100	0	54	7	16	1	14	0	8
1300	71	249	100	0	54	7	16	1	14	0	8
1400	67	256	100	0	54	7	15	2	14	0	8
1500	60	537	100	0	55	5	11	1	23	0	5
1530	53	551	100	0	55	5	10	1	23	0	5
1600	42	576	100	0	55	5	10	1	24	0	5
1800	30	849	100	0	53	6	7	1	26	0	7
1850	27	892	100	0	52	7	8	1	26	0	7
1900	25	903	100	0	52	7	8	1	27	0	7
2000	24	905	100	0	51	7	8	1	27	0	7
2100	13	1006	100	0	50	6	7	1	30	0	6
2200	8	1031	100	0	49	6	7	1	31	0	6
2220	6	1250	100	0	49	6	6	1	32	0	5
2400	1	1321	100	0	49	6	6	1	33	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 : **SOW**

12/S/03

Tributary of : Sea - Slaney Estuary

OS Catchment No: 178

OS Grid Ref of Confluence: T 049 263

Date(s) Surveyed: 13/6/2007, 14/6/2007, 26/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1987	1991	1995	1998	2001	2004	2007
0100	4	4	4	3*	3-4	3	4	3-4	3-4*
0200	4	4-5	4	4	3-4	-	-	-	4
0250	-	-	-	-	-	3-4	4	3-4*	4
0300	4-5	4	4	4	-	-	-	-	4
0370	-	-	-	-	4	4	4	4-5	4
0400	5	4-5	4-5	4	-	-	-	-	-

Assessment: The Sow River was in a generally satisfactory ecological condition in 2007. Unsatisfactory ecological conditions were noted in the upper reaches at Ballinkeel Bridge (0100) with excessive plant growth and siltation of substratum noted. Although the macroinvertebrate fauna indicated satisfactory ecological conditions downstream of Ballinkeel bridge (0200, 0250, 0300), there were clear signs of nutrient enrichment with abundant macrophyte growth. In particular at Randalsmill Bridge (0370) a decline in the abundance of sensitive macroinvertebrate fauna in comparison to the 2004 results and the heavy siltation of substratum was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballinkeel Br	302894	134688	77	WX
0200	Kilmallock Br	303293	131847	77	WX
0250	Aughgarr Br	303368	130469	77	WX
0300	Coolamain Br	302968	129552	77	WX
0370	Randalsmill Br	303555	128473	77	WX
0400	Br NW of Edenvale Ho	304200	127800	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	37	29	100	0	43	1	0	0	42	0	13
0200	34	44	100	0	42	1	0	0	48	0	9
0250	32	49	100	0	43	1	0	0	48	0	8
0370	27	54	100	0	43	1	0	0	49	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 : **TINNACROSS STREAM**

12/T/01

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 997 434

Date(s) Surveyed: 11/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2004	2007
0400	4	3-4	3-4	3	3-4*	4	3-4*
0500	4	4	4	3-4	4-5	-	-
0600	4	4	4	4	4	4	4
0700	3-4	-	-	-	-	-	-

Assessment: The Tinnacross stream showed signs of enrichment at both locations surveyed in 2007. An unsatisfactory decline in ecological quality was observed at Carrigeen Bridge (0400) where the macroinvertebrate fauna indicated slight pollution coupled with enhanced instream plant and algal growth and heavy siltation of the substratum. Although the macroinvertebrate fauna at Crane Bridge (0600) indicated satisfactory ecological conditions, heavy siltation of substratum and severe bankside erosion due to livestock access was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Carrigeen Br	304811	147940	69	WX
0500	Tinnacross Br	302702	145661	69	WX
0600	Crane Br	300956	143700	69	WX
0700	Salsborough Br	0	0	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	40	19	100	0	62	1	0	0	37	0	0
0500	27	27	100	0	64	1	0	0	35	0	0
0600	15	34	100	0	62	1	0	0	38	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 : **TINNOKILLA STREAM**

12/T/02

Tributary of : 12S02 SLANEY

OS Catchment No: 175

OS Grid Ref of Confluence: S 979 275

Date(s) Surveyed: 13/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0200	3	3	4	4	4	4	4*
0500	4	3-4	-	-	-	-	-
0700	-	3-4	4-5	4	4	4	3-4*

Assessment: The Tinnokilla stream was in an unsatisfactory ecological condition in 2007. The biota in the upper reaches (0200) indicated just about satisfactory conditions with heavy siltation noted. A paucity of sensitive macroinvertebrate fauna occurring at the lower station (0700) indicated ecological disruption with very heavy siltation and highly turbid orange coloured flowing water observed in June 2007. Excavation works in the area suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Spring Br	292285	127974	77	WX
0500	Kereight Br	0	0	77	WX
0700	Br NE of Tinokilla	297218	129146	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	49	5	100	0	63	0	0	0	37	0	0
0700	17	21	100	0	71	2	0	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 : **URRIN**
 Tributary of : 12S02 SLANEY
 OS Grid Ref of Confluence: S 971 388
 Date(s) Surveyed: 12/6/2007

12/U/01
 OS Catchment No: 175

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1986	1989	1991	1995	1998	2001	2004	2007
0050	-	-	-	5	5	4-5	5	5	4-5	5
0100	-	5	4-5	4-5	5	-	-	-	-	-
0200	-	4-5	4-5	4-5	4-5	4-5	4-5	4-5	4	4
0250	-	-	-	4-5	4-5	3-4	4-5	5	4-5	-
0300	-	4	4-5	3-4	4-5	3/0	4-5	4-5	4-5	4
0360	-	-	-	3	5	3-4	4-5	4-5	-	-
0400	5	4	3-4	-	-	-	-	-	-	-
0500	-	-	-	4	4-5	3-4	3-4	3-4	3-4	4

Assessment: The Urrin River remains in a satisfactory ecological conditions over most of its course in 2007. Indications of some ecological upset were evident at Kiltrea Bridge (0300) and John's Bridge (0500) in Enniscorthy.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Ballycrystal Br	286398	148585	68	WX
0100	Mocurry Br	286500	146400	68	WX
0200	Buck's Br	286973	144130	68	WX
0250	Br S of Curraghraigue	289700	143627	68	WX
0300	Kiltrea Br	291944	140836	68	WX
0360	Verona Br	294677	139925	69	WX
0400	Carley's Br	295750	139510	68	WX
0500	John's Br	296966	138914	69	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	117	10	100	0	18	12	47	0	0	0	23
0200	61	42	100	0	43	8	25	0	15	0	9
0250	44	51	100	0	43	7	21	0	23	0	7
0300	27	68	100	0	42	6	16	0	31	0	6
0360	14	102	100	0	42	4	10	0	40	0	4
0500	5	115	100	0	42	3	9	0	41	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.

SERBD: HYDROMETRIC AREA NO. 12

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.

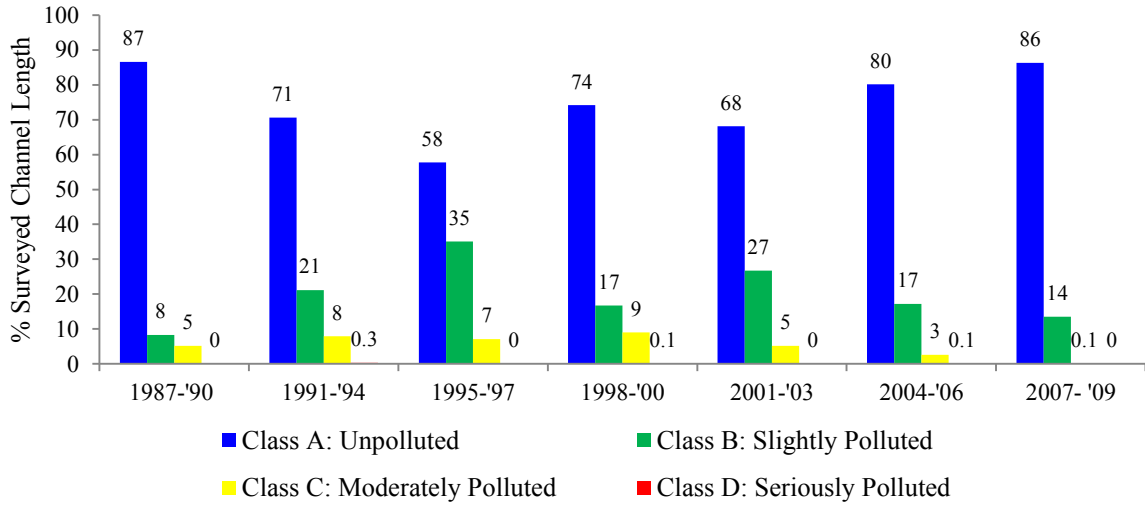
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Askinvillar Stream	2007	12A03	4.0	0.0	0.0	0.0	0.0	4.0
Assaly ¹	2007	12A02	0.0	1.0	7.0	0.0	0.0	8.0
Ballingale Stream	2007	12B06	0.0	9.0	0.0	0.5	0.0	9.5
Ballycarney Stream	2007	12B07	0.0	7.0	0.0	0.0	0.0	7.0
Bann	2007	12B01	31.3	8.4	0.4	0.0	0.0	40.0
Blacklion Stream	2007	12B04	0.0	3.5	3.5	0.0	0.0	7.0
Boro	2007	12B02	0.0	26.0	0.0	0.0	0.0	26.0
Borris Stream	2007	12B05	0.0	5.0	0.0	0.0	0.0	5.0
Brown's Beck Brook	2007	12B03	0.0	6.0	0.0	0.0	0.0	6.0
Camolin Stream	2007	12C08	0.0	4.5	0.0	0.0	0.0	4.5
Carrigower	2007	12C06	0.0	3.0	5.0	0.0	0.0	8.0
Chapel Stream ¹	2007	12C01	0.0	0.0	0.0	1.0	0.0	1.0
Clody	2007	12C03	6.4	1.7	0.0	0.0	0.0	8.0
Coolboy Stream	2007	12C07	3.0	3.0	0.0	0.0	0.0	6.0
Corbally Stream	2007	12C04	0.0	8.5	7.0	0.0	0.0	15.5
Derreen	2007	12D01	13.9	18.7	7.5	0.0	0.0	40.0
Derry	2007	12D02	0.0	31.0	0.0	0.0	0.0	31.0
Douglas (Ballon) ¹	2007	12D03	0.0	8.5	4.0	1.0	0.0	13.5
Douglas (Kiltegan)	2007	12D04	0.0	4.0	5.5	0.0	0.0	9.5
Glasha (Slaney)	2007	12G01	0.0	8.5	0.0	0.0	0.0	8.5
Killeen Stream (Boro)	2007	12K03	0.0	7.0	0.0	0.0	0.0	7.0
Knickeen	2007	12K01	3.0	0.0	0.0	0.0	0.0	3.0
Lask	2007	12L01	0.0	7.5	0.0	0.0	0.0	7.5
Little Slaney	2007	12L02	8.0	0.0	0.0	0.0	0.0	8.0
Mine	2007	12M01	0.0	9.5	0.0	0.0	0.0	9.5
Rosnastraw Stream	2007	12R01	0.0	5.0	0.0	0.0	0.0	5.0
Shillelagh	2007	12S01	1.5	0.0	0.0	0.0	0.0	1.5
Slaney	2007	12S02	15.6	70.0	11.5	0.0	0.0	97.0
Sow	2007	12S03	0.0	10.0	6.0	0.0	0.0	16.0
Tinnacross Stream	2007	12T01	0.0	5.0	8.5	0.0	0.0	13.5
Tinnokilla Stream	2007	12T02	0.0	6.5	2.0	0.0	0.0	8.5
Urrin	2007	12U01	8.0	14.0	0.0	0.0	0.0	22.0
Total Length (km) surveyed this cycle	2007		94.6	291.7	67.8	2.5	0.0	456.5
Adjustments (km) (See below)*			-2.0	1.0	7.0	2.0	0.0	8.0
<i>Percentages</i>			21.5	64.8	13.6	0.1	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 -'09		387.2	60.8	0.5	0.0	448.5	
<i>Percentages</i>			86.3	14	0.1	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 -'06		359.5	77.0	11.5	0.5	448.5	
<i>Percentages</i>			80.2	17.2	2.6	0.1		
Changes since Previous Survey (km)			27.7	-16.2	-11.0	-0.5	0.0	

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

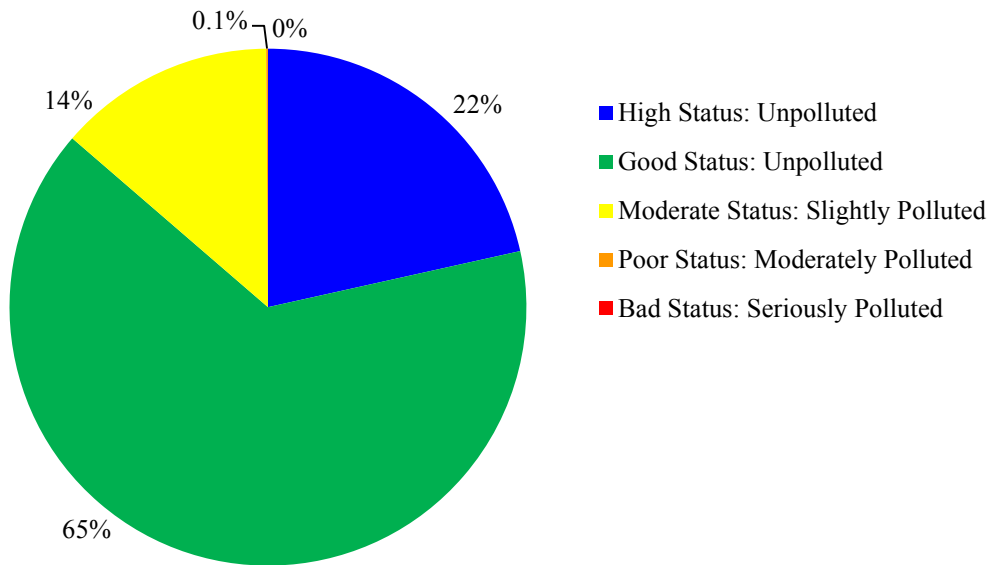
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 12 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 12 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 13 (Ballyteigue – Bannow)

BATTLESTOWN STREAM	13B04
BEGERIN STREAM *	13B05
BRIDGETOWN (WEXFORD)	13B01
CLERISTOWN STREAM	13C04
COROCK	13C01
DUNCORMICK	13D01
HEATHPARK STREAM *	13H01
MULMONTRY	13M01
OWENDUFF (WEXFORD)	13O01
TINTERN ABBEY STREAM	13T01

* BEGERIN STREAM Formerly West Branch of Owenduff (Wexford) 13O01

* HEATHPARK STREAM Formerly East Branch of Owenduff (Wexford) 13O01

River and Code : **BATTLESTOWN STREAM**

13/B/04

Tributary of : Sea - Bannow Bay

OS Catchment No: J2

OS Grid Ref of Confluence: S 784 066

Date(s) Surveyed: 28/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1996	1998	2002	2004	2007
0500	3	3	4	4	3-4	4

Assessment: Satisfactory following amelioration since previous survey. In the past (1993 and 1996) has been moderately polluted by farmyard slurry.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br E of Ballygow	277946	107172	76	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	10	8	100	0	36	0	0	0	64	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 : **BEGERIN STREAM** **13/B/05**
 Tributary of : 13O01 OWENDUFF (WEXFORD) OS Catchment No: 181
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/10/2007

Formerly West Branch of Owenduff (Wexford) 13O01

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0050	3-4	4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Carnagh Br	277792	122194	0	WX

River and Code : **BRIDGETOWN (WEXFORD)**

13/B/01

Tributary of : Sea - at Ballyteige Bay

OS Catchment No: 179

OS Grid Ref of Confluence: S 924 084

Date(s) Surveyed: 27/9/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1985	1987	1988	1991	1996	1998	2002	2004	2007
0020	-	-	4	-	4	2-3	3-4	3-4	4	4
0050	-	-	2	3	3	-	-	-	-	-
0070	-	-	3-4	-	3-4	-	-	-	-	-
0080	-	-	-	-	-	3-4	3-4	4	3-4	4
0100	2-3	3	3	-	-	-	-	-	-	-

Assessment: Improvement in lower freshwater reach since previous survey with both locations satisfactory in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Gainstown Bridge	298937	115731	77	WX
0050	Br d/s E. Br nr Sleadagh Ho	299130	114245	0	WX
0070	Bridge S.E. of Ballycappoge	0	0	0	WX
0080	Br E of Common	300109	111409	77	WX
0100	Bridge in Bridgetown	0	0	0	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	66	3	100	0	24	23	0	0	37	0	15
0080	15	8	67	33	49	9	0	0	36	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 : **CLERISTOWN STREAM** **13/C/04**
 Tributary of : 13B01 BRIDGETOWN (WEXFORD) OS Catchment No: 179
 OS Grid Ref of Confluence: S 974 095
 Date(s) Surveyed: 27/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1996	1998	2002	2004	2007
0200	3	4	3-4	4	3-4	-
0400	4	3	3-4	4	2-3	4

Assessment: Satisfactory with significant improvement since previous survey at the only location (Castle Bridge) examined which is upstream of Bridgetown River confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Brownstown Br	296469	112734	77	WX
0400	Castle Br	297051	110211	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	25	4	100	0	74	2	0	0	24	0	0
0400	9	16	75	25	55	6	0	0	39	0	0

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

River and Code : **COROCK**
 Tributary of : Sea - at Bannow Bay
 OS Grid Ref of Confluence: S 848 133
 Date(s) Surveyed: 17/10/2007

13/C/01
 OS Catchment No: 180

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0020	4	4	3	3-4	3-4	4	4
0040	4-5	4	-	-	-	-	-
0080	4-5	4-5	4	4	4	4	4
0100	4	3-4	4	4	4	4	-
0120	4	4	-	-	-	-	-
0150	4	4	4	4	4	4	3-4

Assessment: Satisfactory except for final location (East of Coolcliffe) where the faunal response indicated an enriched status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Aughaloe Bridge	284142	126432	77	WX
0040	Ballyshannon Bridge	0	0	0	WX
0080	Cullenstown Bridge	286126	122359	77	WX
0100	Foulkesmill Br	285387	118696	77	WX
0120	Hares' Mead Bridge	0	0	0	WX
0150	E of Coolcliffe Ho	286186	116982	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	50	15	100	0	59	1	0	0	40	0	0
0080	20	41	100	0	60	2	0	0	38	0	0
0100	9	62	100	0	54	2	0	0	44	0	0
0150	6	127	100	0	55	3	0	0	40	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 : **DUNCORMICK**
 Tributary of : Sea - at Ballyteige Bay
 OS Grid Ref of Confluence: S 918 093
 Date(s) Surveyed: 28/9/2007

13/D/01
 OS Catchment No: 179

Station Nos.							Biological Quality Ratings (Q Values)				
	1981	1985	1987	1988	1991	1994	1996	1998	2002	2004	2007
0200	3	3-4	3-4	-	2	3	2-3	2-3	2-3	3	3
0240	-	-	2	2-3	-	-	-	-	-	-	-
0280	-	-	2-3	3	3	-	3-4	3	4	4	4
0300	3-4	4	3	-	-	-	-	-	-	-	-
0350	-	-	3-4	-	3-4	-	4	3-4	3-4	3-4	4

Assessment: Satisfactory except downstream of Taghmon (0200) where again moderately polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br E of Ballynagale	292156	117632	77	WX
0240	Br SE of Ardenagh Great	0	0	0	WX
0280	Tullycanna Bridge	290008	114297	77	WX
0300	Br S of Ambrosetown	0	0	0	WX
0350	{W} Br nr Gurlins	291265	110850	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	45	4	100	0	74	0	0	6	20	0	0
0280	29	13	100	0	49	0	0	2	49	0	0
0350	8	36	100	0	44	1	0	1	53	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 : **HEATHPARK STREAM** **13/H/01**
 Tributary of : 13O01 OWENDUFF (WEXFORD) OS Catchment No: 181
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/10/2007

Formerly East Branch of Owenduff (Wexford) 13O01

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0020	4	4	3-4	4	3-4	3-4	3-4
0030	4-5	4-5	-	-	-	-	-

Assessment: Continuing slightly polluted at the only scheduled sampling location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Ballynabola Bridge (Old)	280079	123667	76	WX
0030	Bridge W. of Tinnacarrick	0	0	0	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	47	31	100	0	47	4	0	0	45	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 : **MULMONTRY**
 Tributary of : 13C01 COROCK
 OS Grid Ref of Confluence: S 864 174
 Date(s) Surveyed: 17/10/2007

13/M/01
 OS Catchment No: 180

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0100	4	-	-	-	-	-	-
0200	4	-	-	-	-	-	3
0300	4	4	3-4	3-4	4	4	-
0400	4-5	4	-	-	-	-	3-4
0500	4	4-5	4	4	4	3-4	-
0700	4-5	4	4-5	4	4	4	3-4

Assessment: Unsatisfactory at all three locations examined in 2007 due to moderate (0200) and slight pollution (0400, 0700). Deterioration at the final location (Goff's Bridge) since previous survey marks the first time since 1987 that conditions there were less than satisfactory. The uppermost location (Aughnagroagh Bridge) is immediately upstream of the intake point for a public water supply.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W.S.W. of Larkin's Cross	0	0	0	WX
0200	Aughnagroagh Br	293300	120800	0	WX
0300	Browncastle Br	291436	121857	77	WX
0400	Mulmontry Bridge	298740	121400	0	WX
0500	Tottenhamgreen Bridge	288793	120170	77	WX
0700	Goff's Bridge	287163	118531	77	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	25	26	100	0	54	6	0	0	32	0	8
0500	13	52	100	0	57	3	0	0	36	0	4
0700	8	57	100	0	57	4	0	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 : **OWENDUFF (WEXFORD)**

13/O/01

Tributary of : Sea - Bannow Bay

OS Catchment No: 181

OS Grid Ref of Confluence: S 848 133

Date(s) Surveyed: 18/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0060	3	4	4	4	-	-	-
0100	4-5	4	-	-	-	-	-
0180	4	4	3-4	4	4	4	4-5
0200	-	-	4	-	-	-	-
0240	4-5	4	-	4	4	3-4	4

Assessment: Satisfactory at both locations examined in 2007 representing some improvement at the lowermost one (Taylorstown Bridge) since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Rathnageeragh Bridge	278598	120452	76	WX
0100	Ballygarvan Bridge	279366	118859	76	WX
0180	Mullinderry Bridge	280999	116623	76	WX
0200	1.2 km d/s Mullinderry Br	281708	115365	76	WX
0240	Taylorstown Bridge	282075	114627	76	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	35	51	100	0	55	3	0	0	38	0	4
0100	27	79	100	0	53	2	1	0	41	0	3
0180	14	93	100	0	52	2	1	0	43	0	3
0200	9	102	100	0	51	2	1	0	44	0	2
0240	7	103	100	0	51	2	1	0	45	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 : **TINTERN ABBEY STREAM**

13/T/01

Tributary of : Sea - at Bannow Bay

OS Catchment No: j2

OS Grid Ref of Confluence: S 794 100

Date(s) Surveyed: 18/10/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1988	1991	1994	1996	1998	2002	2004	2007
0300	2	2	-	3	-	-	-	-	-
0400	2	2-3	-	-	-	-	-	-	-
0900	4-5	-	3	-	3	3	4	3	3*

Assessment: Unsatisfactory with a moderate degree of siltation at the only scheduled sampling location (Bridge at Tintern Abbey).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br 1.5km SW of Rathumney	0	0	0	WX
0400	Br W. of Burkestown Cross-Roads	0	0	0	WX
0900	Bridge near Tintern Abbey	279387	109968	76	WX

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0900	7	21	100	0	37	2	0	0	58	0	3

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

SERBD: HYDROMETRIC AREA NO. 13

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.

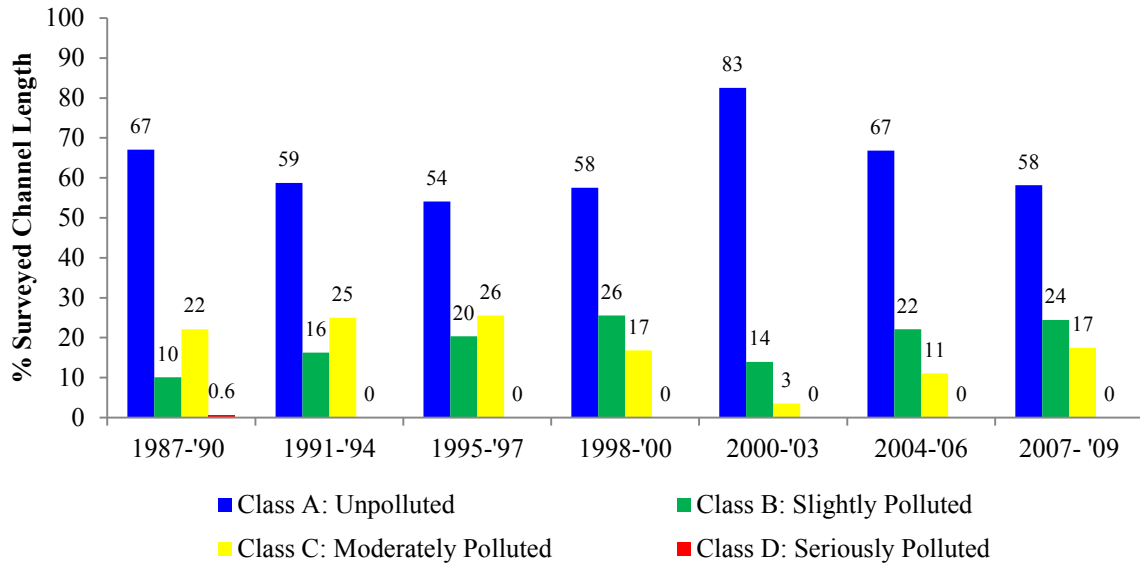
Channel Length (km) in Class			A	A	B	C	D	Total	
WFD Quality Class			High	Good	Moderate	Poor	Bad		
River Name	Year	Code							
Battlestown	2007	13B04	0.0	2.5	0.0	0.0	0.0	2.5	
Begerin Stream	2007	13B05	0.0	3.0	0.0	0.0	0.0	3.0	
Bridgetown (Wexford)	2007	13B01	0.0	7.5	0.0	0.0	0.0	7.5	
Cleristown Stream	2007	13C04	0.0	4.5	0.0	0.0	0.0	4.5	
Corock	2007	13C01	0.0	14.0	4.0	0.0	0.0	18.0	
Duncormick	2007	13D01	0.0	7.5	3.0	1.5	0.0	12.0	
Heathpark Stream	2007	13H01	0.0	0.0	5.0	0.0	0.0	5.0	
Mulmontry	2007	13M01	0.0	0.0	9.0	6.5	0.0	15.5	
Owenduff (Wexford)	2007	13O01	8.5	2.5	0.0	0.0	0.0	11.0	
Tintern Abbey Stream	2007	13T01	0.0	0.0	0.0	7.0	0.0	7.0	
Total Length (km) surveyed this cycle			2007	8.5	41.5	21.0	15.0	0.0	86.0
Adjustments (km) (See below)*				0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>				9.9	48.3	24.4	17.4	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total	
Baseline : Current Adjusted Status (km)			2007 -'09	50.0	21.0	15.0	0.0	86.0	
<i>Percentages</i>				58.1	24.4	17.4	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**			2004 -'06	57.5	19.0	9.5	0.0	86.0	
<i>Percentages</i>				66.9	22.1	11.0	0.0	100.0	
Changes since Previous Survey (km)				-7.5	2.0	5.5	0.0	0.0	

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

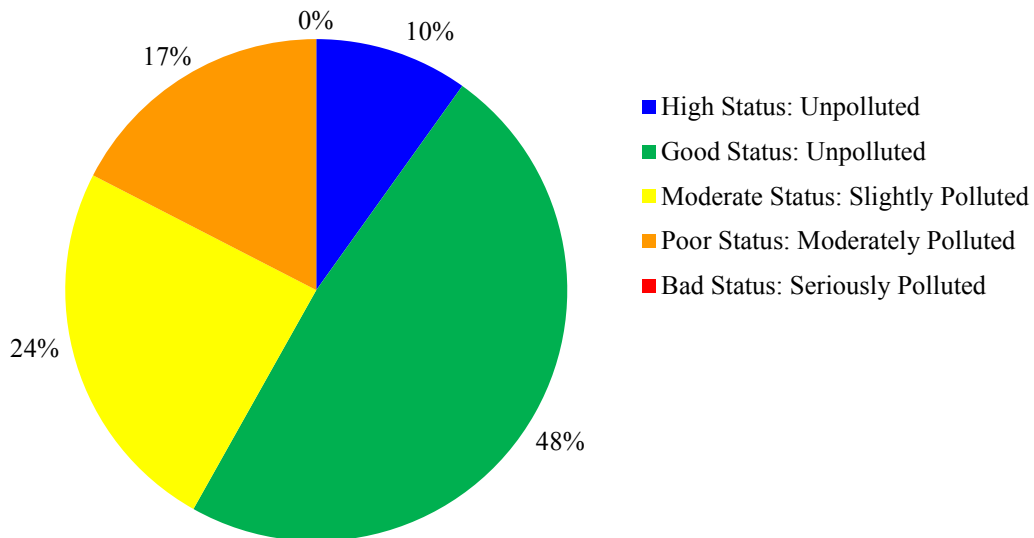
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 13 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 13 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 15 (Nore)	
ARIGNA (KILKENNY)	15A01
ARRIGLE	15A02
BALLYROAN	15B01
BAUNBALLINLOUGH STREAM *	15B12
BREGAGH (KILKENNY)	15B02
BROWNSTOWN STREAM	15B04
CAHERLESK STREAM	15C12
CAPPANACLOGHY	15C06
CASTLECOMER STREAM	15C01
CLOGH	15C03
CLOGHNAGH	15C04
CLONAWOOLAN STREAM *	15C19
COALBROOK STREAM *	15C20
DELOUR	15D01
DESART STREAM	15D04
DININ (NORE)	15D02
DININ NORTH *	15D07
DININ SOUTH *	15D08
DONAGHMORE STREAM	15D03
ENNISNAG STREAM	15E02
ERKINA	15E01
ERRILL	15E03
GARRANACOOOL STREAM *	15G10
GLORY	15G01
GORTEENAHILLA	15G08
GOUL	15G02
GULLY	15G03
KILLEEN	15K01
KING'S (KILKENNY)	15K02
LISDOWNEY	15L02
# MOUNTRATH	15M01
MUCKALEE	15M02
MUNSTER	15M03
NEEDLEFORD STREAM	15N04
# NORE	15N01
NUENNA	15N02
OWVEG (NORE)	15O01
RATHDOWNEY STREAM	15R03
TONET	15T01
TULLAROAN STREAM *	15T02

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

* BAUNBALLINLOUGH STREAM Formerly reported as the Ballydonnell Branch of the Goul 15G02

* CLONAWOOLAN STREAM Formerly reported as the Coole Tributary of the Cappanacloghy 15C06

* COALBROOK STREAM Formerly reported as the West Branch of the Kings (Nore) 15K02

HYDROMETRIC AREA 15 (Nore)

- * DININ NORTH Formerly reported as the North Branch of the Dinin 15D02
- * DININ SOUTH Formerly reported as the South Branch of the Dinin 15D02
- * GARRANACOO L STREAM Formerly reported as the East Branch of the Kings (Nore) 15K02
- * TULLAROAN STREAM Formerly reported as the East Branch of the Munster River 15M03

River and Code : **ARIGNA (KILKENNY)**

15/A/01

Tributary of : 15N02 NUENNA

OS Catchment No: 184

OS Grid Ref of Confluence: S 427 641

Date(s) Surveyed: 8/6/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2005	2007
0400	4	4-5	3-4	3-4	3-4	4	4

Assessment: Satisfactory at the only scheduled sampling location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Arigna Br	242460	164069	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	64	22	0	100	80	2	0	0	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 : **ARRIGLE**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 609 387
 Date(s) Surveyed: 7/9/2007

15/A/02
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1986	1989	1991	1995	1998	2001	2004	2007
0100	4	4	4	3-4	3-4	3-4	3-4	3-4	3-4
0200	4	4	4	4	-	-	-	-	-
0250	-	-	4	4	4	4	4	4	-
0300	5	4-5	4	3-4	4	4	4	3-4	4

Assessment: Continuing slightly polluted at uppermost location (0100) but improved to satisfactory conditions at lowermost one (0300) since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br W of Ballyconnaught	262181	130064	76	KK
0200	Br SW of Garrandarragh	260702	132205	76	KK
0250	Ballycorcoran Br	260436	135045	76	KK
0300	Ballyduff Br	260809	138221	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	97	17	100	0	73	5	0	0	12	0	10
0200	72	26	100	0	73	9	0	0	11	0	7
0250	48	38	100	0	72	12	0	0	10	0	6
0300	14	47	100	0	72	10	0	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 : **BALLYROAN**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 410 848
 Date(s) Surveyed: 3/8/2007

15/B/01
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1984	1987	1991	1995	1998	2001	2005	2007
0030	-	-	-	4	4	-	-	-	-	-
0050	-	-	-	3	3-4	-	-	-	-	-
0100	-	-	-	3	3-4	4	3-4	4	3-4	4
0150	-	4	4	3-4	4	3-4	3-4	3	3-4	-
0200	3	2-3	2-3	3	4	3	3	3	3	3

Assessment: Satisfactory, following improvement in conditions since previous survey, at Sallagh Bridge (0100) but continuing moderately polluted downstream of Abbeyleix at Gloreen Bridge (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Dooary Br	0	0	0	LS
0050	Br in Ballyroan	0	0	0	
0100	Sallagh Br	244363	187557	60	LS
0150	Ballydine Br	243149	185605	60	LS
0200	Gloreen Br	242068	185179	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	101	31	0	100	77	11	4	0	7	0	1
0150	89	35	0	100	79	10	3	1	6	0	1
0200	85	39	0	100	78	9	3	4	6	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 : **BAUNBALLINLOUGH STREAM** **15/B/12**
 Tributary of : 15G02 GOUL OS Catchment No: 184
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 7/6/2007

Formerly reported as the Ballydonnell Branch of the Goul 15G02

Station Nos.	1991	1995	1998	Biological Quality Ratings (Q Values)		
	2001	2005	2007			
0080	3-4	3	3-4	3-4	3	3-4

Assessment: Continuing unsatisfactory with slightly polluted conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br u/s confl with R. Goul	228836	168495	60	KK

River and Code : **BREGAGH (KILKENNY)**

15/B/02

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 506 564

Date(s) Surveyed: 24/9/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1982	1985	1989	1991	1995	1998	2001	2005	2007
0050	-	-	-	4	-	-	-	-	-	-
0080	-	-	-	3	-	3	3-4	3	3	3
0300	2	3	3	2-3	-	-	-	-	-	-
0350	3	-	-	2-3	2-3	3	3	3	3	3

Assessment: Continuing moderately polluted at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SE of Ballyfrunk	242712	153828	67	KK
0080	Br NW of Aughtanny	245957	153340	67	KK
0300	Br E of Kilcreen House	248797	153165	67	KK
0350	Brewery Br, Kilkenny	250546	156366	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	108	4	0	100	100	0	0	0	0	0	0
0080	79	13	0	100	97	0	0	0	3	0	1
0300	67	45	0	100	89	0	0	0	8	0	3
0350	44	1644	0	100	73	0	0	3	23	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 : **BROWNSTOWN STREAM**

15/B/04

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 530 547

Date(s) Surveyed: 3/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2005	2007
0100	3-4	-	-	-	-	-	-
0200	4	-	-	-	-	-	-
0300	2-3/0	-	-	-	-	-	-
0600	3-4	-	-	-	-	-	-
0800	3-4	3	3	3-4	3-4	3-4	-
1100	4	3-4	4	3-4	4	4	4

Assessment: Continuing satisfactory. Also known as Pocke River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Ballyfoyle	0	0	0	KK
0200	Br NW of Kilkieran Cross-Roads	0	0	0	KK
0300	Br SW of Kilkieran Cross-Roads	253931	160913	61	KK
0600	Br S of Carrigeen	0	0	0	KK
0800	Br S of Brownstown	252388	157307	67	KK
1100	Br u/s Nore R confl	253026	154893	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	72	7	0	100	80	5	0	0	6	0	9
0800	55	30	0	100	78	2	0	0	17	0	3
1100	41	36	0	100	75	2	0	2	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 : **CAHERLESK STREAM** **15/C/12**
 Tributary of : 15K02 KING'S (KILKENNY) OS Catchment No: 184
 OS Grid Ref of Confluence: S 455 433
 Date(s) Surveyed: 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1995	1998	2001	2004	2007
0200	3	-	-	-	-	-
0400	-	3	3	3	3	3

Assessment: Continuing moderately polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br near Ballytobin House	0	0	0	KK
0400	Cormick Br	245626	143207	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	50	17	11	89	64	0	0	0	36	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 : **CAPPANACLOGHY**

15/C/06

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 404 877

Date(s) Surveyed: 2/8/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1987	1988	1989	1990	1991	1995	1998	2001	2005	2007
0100	3-4	-	-	-	-	-	-	-	n/s	-
0400	2	2	2	2	3	2	3	2	3-4	3
0500	-	-	-	2	-	-	-	-	-	-
0600	3	-	-	-	3*	-	-	-	-	-
0700	1	2-3	3	3	3	3	4	3-4	3-4	-
0800	2	3	-	-	3	-	-	-	-	-
0900	-	-	-	-	-	3	4	3	4	4

Assessment: Continuing unsatisfactory, due to moderately polluted conditions, at uppermost location but again satisfactory in lower reach.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Kylealiss	0	0	0	
0400	Br E of Clooncullen	239724	197380	54	LS
0500	W of Gorteen	0	0	0	LS
0600	Cloncourse Br	241190	195424	54	LS
0700	The Hollow Br	241193	193775	54	LS
0800	Doon Br	0	0	0	LS
0900	Bartle's Br	240302	189619	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	108	5	18	82	71	5	5	0	6	0	13
0600	99	21	5	95	60	1	22	1	7	0	9
0700	91	24	4	96	58	1	21	1	10	0	9
0900	86	42	2	98	60	1	21	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 : **CASTLECOMER STREAM**

15/C/01

Tributary of : 15D02 DININ (NORE)

OS Catchment No: 184

OS Grid Ref of Confluence: S 537 732

Date(s) Surveyed: 17/7/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1988	1991	1995	1998	2001	2005	2007
0100	4	4	4	4	4	4	3-4	3-4	4

Assessment: Satisfactory, representing improvement since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at N end of Castlecomer	253248	173188	61	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	118	17	0	100	66	17	0	1	12	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 : **CLOGH**
 Tributary of : 15D02 DININ (NORE)
 OS Grid Ref of Confluence: S 560 777
 Date(s) Surveyed: 17/7/2007

15/C/03
 OS Catchment No: 184

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1975	1980	1985	1988	1991	1995	1998	2001	2005	2007
0100	-	-	4	4	4	-	-	-	-	n/s	-
0200	-	-	-	-	4	4	3-4	4	3-4	4	-
0300	5	4-5	4	3-4	3-4	3-4	-	-	-	n/s	4
0400	-	-	-	-	-	-	3-4	3-4	3-4	3-4	-

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	The Swan Br	256454	182512	61	LS
0200	Slatt Br	256466	180736	61	KK
0300	Clogh Br	256567	179014	61	KK
0400	Ford (Br) d/s Clogh Br	256239	178552	61	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	171	10	0	100	39	48	0	0	14	0	0
0200	149	20	0	100	60	28	0	2	10	0	0
0300	135	32	0	100	66	19	0	1	13	0	0
0400	131	33	0	100	68	19	0	1	12	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 : **CLOGHNAGH**
 Tributary of : 15D02 DININ (NORE)
 OS Grid Ref of Confluence: S 511 668
 Date(s) Surveyed: 18/7/2007

15/C/04
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1995	1998	2001	2005	2007
0300	3-4	3-4	3-4	4	3-4	3-4	n/s
0400	4	4-5	4	4	3-4	4	4

Assessment: Satisfactory. Also known as River Gloschia.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Tober Muire Br	249978	169268	60	KK
0400	Br u/s Dinin R confl	250758	167292	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	121	13	0	100	87	9	0	0	0	0	4
0400	93	17	0	100	90	7	0	0	0	0	3

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

River and Code : **CLONAWOOLAN STREAM** **15/C/19**
 Tributary of : 15C06 CAPPANACLOGHY OS Catchment No: 184
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 2/8/2007

Formerly reported as the Coole Tributary of the Cappanacloghy 15C06

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1988	1989	1991	1995	1998	2001	2005	2007
1100	1	2	2-3	2-3	2-3	3-4	2	2-3	2-3

Assessment: Moderately polluted - no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
1100	Br S of Coole	242758	189112	60	LS

River and Code : **COALBROOK STREAM** **15/C/20**
 Tributary of : 15K02 KING'S (KILKENNY) OS Catchment No: 184
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2007

Formerly reported as the West Branch of the Kings (Nore) 15K02

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2005	2007
0040	4	4-5	4	4	4-5	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br u/s confl with East Branch	229814	149889	67	TY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	159	8	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.

Hydrometric Area 15 (2007)

River and Code : **DELOUR**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 305 919
 Date(s) Surveyed: 1/8/2007, 31/7/2007

15/D/01
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1986	1989	1991	1995	1998	2001	2005	2007
0060	-	-	-	5	5	5	4-5	4	4	4
0100	-	5	4-5	5	4-5	-	-	-	-	-
0150	-	-	-	-	-	3-4*	4	4-5	4-5	4-5
0200	-	5	4-5	4	4-5	-	-	-	-	-
0300	4-5	4	4	-	-	-	-	-	-	-
0400	-	-	-	4-5	4-5	4-5	4-5	4	4	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Dooley's Br	230174	200409	54	MH
0100	Lacca Br	229177	198052	54	LS
0150	Garrafin Br	229058	195614	54	LS
0200	Delour Br	228000	194600	0	LS
0300	Annagh Br	229102	193504	54	LS
0400	Derrynaseera Br	229478	192448	54	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	176	17	100	0	4	57	30	0	4	0	4
0100	145	31	100	0	10	57	25	0	6	0	3
0150	124	35	96	4	15	51	21	0	8	0	5
0300	99	68	96	4	28	38	18	0	11	0	5
0400	97	70	95	5	29	37	17	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 : **DESART STREAM**

15/D/04

Tributary of : 15K02 KING'S (KILKENNY)

OS Catchment No: 184

OS Grid Ref of Confluence: S 453 432

Date(s) Surveyed: 22/8/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1991	1994	1995	1998	2001	2004	2007
0200	3	-	-	-	-	-	-	-
0300	3-4	3	-	3	3-4	3	3	-
0500	2-3	2	3	2-3	3-4	3	3	3

Assessment: Continuing unsatisfactory, due to moderate pollution, from suspected agricultural sources.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Clasheen Br	242972	149867	0	KK
0300	Br S of Desart Demesne	243703	147539	67	KK
0500	Br d/s Br SE of Knockreagh	244060	145107	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	72	15	0	100	76	2	0	0	14	0	7
0500	62	19	0	100	78	2	0	0	14	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.

Hydrometric Area 15 (2007)

River and Code : **DININ (NORE)**

15/D/02

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 468 619

Date(s) Surveyed: 18/7/2007, 19/7/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1975	1979	1985	1988	1991	1995	1998	2001	2005	2007
0700	5	-	4-5	4	4	3-4	3-4	4	3-4	3-4	4
0760	-	-	-	-	4	3-4	3-4	4	4	3-4	-
0800	5	5	4-5	3-4	4	4	4	4	4	3-4	4

Assessment: Satisfactory at both locations following improvement since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Lisnafunshion	252151	168072	61	KK
0760	New Dinin Br	249553	164598	60	KK
0800	Dinin Br	247899	162847	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	87	247	0	100	72	11	0	1	6	0	9
0760	68	292	0	100	75	11	0	1	5	0	8
0800	58	299	0	100	75	10	0	1	6	0	8

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

River and Code : **DININ NORTH**
 Tributary of : 15D02 DININ (NORE)
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 17/7/2007

15/D/07
 OS Catchment No: 184

Formerly reported as the North Branch of the Dinin 15D02

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1975	1979	1981	1985	1988	1989	1991	1995	1998	2001	2005	2007
0070	-	-	-	-	-	4-5	-	4	-	-	-	-	-
0080	-	-	-	-	-	2	3	3	3	3	3-4	3-4	4
0100	-	-	3-4	4-5	3-4	3-4	-	4	-	-	-	-	-
0125	-	-	-	-	-	3-4	-	3-4	-	-	-	-	-
0200	5	-	4	4	4	-	-	-	3-4	4	3-4	4	4
0250	-	-	-	-	-	4	-	4	-	-	-	-	-
0300	-	-	-	4-5	4	4	-	4	3-4	4	4	4	-
0350	5	4	-	-	3-4	3-4	-	3-4	-	-	-	-	-
0400	-	-	4-5	-	4	-	-	-	4	3-4	3-4	3-4	4

Assessment: Satisfactory throughout following improvement, from slightly polluted conditions, at two of the locations (0080, 0400) since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	Br SW of Moore's Cross Rds	0	0	0	
0080	Killeen Br	259788	177331	61	LS
0100	Br N of Crettyard House	258800	177500	61	LS
0125	Doonane Br	0	0	0	LS
0200	Massford Br	255655	177258	61	KK
0250	Br NE of Wood View	0	0	0	
0300	Br in Castlecomer	253716	173057	61	KK
0350	Ballyhimmin	0	0	0	
0400	Dysart Br (N Channel)	253172	170014	61	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	125	82	0	100	76	11	0	1	7	0	5
0300	112	139	0	100	71	12	0	1	12	0	4
0400	100	149	0	100	73	11	0	2	10	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 : **DININ SOUTH**
 Tributary of : 15D02 DININ (NORE)
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/7/2007

15/D/08
 OS Catchment No: 184

Formerly reported as the South Branch of the Dinin 15D02

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1981	1985	1988	1991	1995	1998	2001	2005	2007
0450	-	5	5	4	4-5	4	3-4	4	4	4
0500	5	5	5	-	-	4	4	3-4	4	-
0600	4-5	5	4-5	4-5	4	3-4	4	4	3-4	4

Assessment: Satisfactory at both locations following improvement at one of these (0600) since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0450	Black Br	261777	170074	61	CW
0500	Uskerty Br	257458	169457	61	KK
0600	Dysart Br (S Channel)	253118	169885	61	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0450	180	21	0	100	49	20	0	0	0	0	30
0500	139	76	0	100	72	18	0	0	0	0	10
0600	N/A	87	0	100	67	13	0	0	0	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 : **DONAGHMORE STREAM**

15/D/03

Tributary of : 15E01 ERKINA

OS Catchment No: 184

OS Grid Ref of Confluence: S 276 788

Date(s) Surveyed: 16/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2005	2007
0200	4	3-4	-	-	-	-	-
0400	3-4	3-4	3	4	3-4	4	-
0600	4	3-4	-	-	-	-	-
0700	4	3-4	3	4	3-4	3-4	3-4

Assessment: Continuing eutrophic (Q3-4) at Donaghmore (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Brockry Br	0	0	0	LS
0400	Coolowley Br	223296	181102	60	LS
0600	Br u/s Donaghmore	0	0	0	LS
0700	Donaghmore Br	226761	180169	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	91	36	6	94	82	1	2	0	11	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 : **ENNISNAG STREAM** **15/E/02**
 Tributary of : 15K02 KING'S (KILKENNY) OS Catchment No: 184
 OS Grid Ref of Confluence: S 525 440
 Date(s) Surveyed: 24/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1995	1998	2001	2004	2007
0500	3	-	-	-	-	-	-
0700	3-4	4	3-4*	3-4	3-4	3	3-4

Assessment: Continuing unsatisfactory despite a slight increase in biological quality since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br SE of Cottrellsrath	249355	146714	0	KK
0700	Br in Ennisnag	252490	144022	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	31	47	0	100	58	0	0	0	42	0	0

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

River and Code : **ERKINA**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 420 773
 Date(s) Surveyed: 19/7/2007

15/E/01
 OS Catchment No: 184

Station Nos.	1976	1980	1985	1988	1989	1991	Biological Quality Ratings (Q Values)				
							1995	1998	2001	2005	2007
0040	-	-	-	3	-	3-4	3	3-4	3-4	3-4	3-4
0050	-	-	-	3	-	3	-	-	-	-	-
0100	4-5	4	4	3-4	-	4	4	3-4	4	3-4	-
0200	4	4	2	2-3	3	3	2-3	3-4	3	3	3-4
0250	-	3	2-3	3	-	3-4	-	-	-	-	-
0300	-	3	3	3	-	3-4	3	3-4	3-4	3-4	3-4
0350	-	-	-	3-4	-	3-4	-	-	-	-	-
0400	4-5	4	4	4	-	-	4	4	3-4	4	-
0500	-	4	4	4	-	3-4	-	-	-	-	-
0550	-	-	4	4	-	3-4	3-4	4	3-4	3-4	3-4

Assessment: Unsatisfactory throughout due to slightly polluted conditions - a minor improvement in ecological quality was recorded downstream of Rathdowney (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Templequain Br	223238	175572	60	LS
0050	Br at Lyroge	0	0	0	LS
0100	Clarneyball Br	226656	178749	60	LS
0200	Coneyburrow Br	229068	178387	60	LS
0250	Coolkerry Br	230299	177741	60	KK
0300	Carrick Br	231563	177921	60	KK
0350	Br d/s Carrick Br	0	0	0	KK
0400	Br near Black Island	236364	178149	60	KK
0500	Foot-bridge 0.5 km u/s Durrow Br	240503	177472	60	KK
0550	Durrow Br	240813	177488	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	114	19	0	100	63	6	5	0	7	0	18
0100	90	62	1	99	76	4	5	0	6	0	9
0200	85	132	2	98	80	2	3	1	8	0	6
0250	83	137	2	98	80	2	3	1	9	0	6
0300	80	154	2	98	80	2	3	1	10	0	5
0400	77	180	2	98	80	2	2	1	10	0	5
0500	74	379	1	99	78	3	2	1	13	0	4
0550	73	380	1	99	78	3	2	1	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 : **GARRANACOOOL STREAM** **15/G/10**
 Tributary of : 15K02 KING'S (KILKENNY) OS Catchment No: 184
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 22/8/2007

Formerly reported as the East Branch of the Kings (Nore) 15K02

Station Nos.	1987	1991	1995	1998	Biological Quality Ratings (Q Values)		
	2001	2005	2007				
0060	4	3-4	4	3-4	4	2	3-4

Assessment: Again unsatisfactory, due to slight pollution, but with some improvement in biological quality since previous survey when seriously polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Br SE of Garranacool	231220	149863	67	TY

River and Code : **GLORY**
 Tributary of : 15K02 KING'S (KILKENNY)
 OS Grid Ref of Confluence: S 484 430
 Date(s) Surveyed: 24/8/2007

15/G/01
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1986	1989	1991	1995	1998	2001	2004	2007
0020	-	-	4	4	-	-	-	-	-
0040	-	-	3-4	3	1	-	-	-	-
0045	-	-	-	-	1	2-3	2	2	2-3
0100	5	4	3	4	3-4	4	3-4	3	-
0200	5	4	4	3-4	3	3-4	4	3	3-4
0300	5	4	4	4	3	4	4	3-4	4

Assessment: Mostly unsatisfactory but with slight improvement recorded at all locations since previous survey. Satisfactory at final location which is immediately upstream of Kings River confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br SW of Kilmaganny	0	0	0	KK
0040	Br N of Kilmaganny	245885	135201	67	KK
0045	0.1 km d/s Br N of Kilmaganny	245775	135218	67	KK
0100	Br SE of Rogerstown Br	246832	137121	67	KK
0200	Chapelizod Br South	248509	139863	67	KK
0300	Br u/s King's R confl	248364	143103	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	61	8	89	11	91	2	0	0	7	0	0
0045	61	7	88	12	91	0	0	0	8	0	0
0100	55	14	75	25	80	8	0	0	9	0	3
0200	53	62	53	47	70	8	0	0	18	0	4
0300	44	371	47	53	70	7	0	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 : **GORTEENAHILLA**

15/G/08

Tributary of : 15N02 NUENNA

OS Catchment No: 184

OS Grid Ref of Confluence: S 405 647

Date(s) Surveyed: 8/6/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1995	1998	2001	2005	2007
0300	4	3	3	3-4	3-4	3-4
0500	4	-	-	-	-	-

Assessment: Continuing unsatisfactory due to eutrophic, or slightly polluted, conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br N of Balleen	238263	167307	60	KK
0500	Br at Mills in Freshford	240356	164933	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	106	22	0	100	85	4	0	0	7	0	4
0500	77	62	0	100	78	3	0	0	14	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 15 (2007)

River and Code : **GOUL**
 Tributary of : 15E01 ERKINA
 OS Grid Ref of Confluence: S 374 779
 Date(s) Surveyed: 7/6/2007

15/G/02
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1984	1987	1991	1995	1998	2001	2005	2007
0100	-	3	3-4	3-4	4	-	-	-	n/s	-
0250	-	-	-	3	3	3	3	3-4	3	3-4
0300	-	-	3-4	4	3-4	3-4	3-4	3-4	3	3-4
0360	-	-	-	-	-	3-4	4	3-4	4	4
0400	-	4	3-4	4	3-4	-	-	-	-	-
0500	4-5	4	4	4	4	3-4	3-4	3-4	3-4	4

Assessment: Despite improvement, since previous survey, at three locations, two (0250, 0300) of the four assessed remain less than good quality. No crayfish, which had become scarce by 2005, were recorded in the latest survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW of Urlingford	228068	163753	60	KK
0250	Br 2 km NW of Johnstown	229037	167905	60	KK
0300	Fertagh Bridges	230637	170320	60	KK
0360	2nd Br u/s Aghmacart Br	231558	173524	60	LS
0400	Aghmacart Br	233030	173955	0	KK
0500	Br near Newtown Mills	236339	177355	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	116	54	0	100	61	9	3	1	19	0	8
0250	112	88	0	100	65	6	2	1	20	0	5
0300	108	118	0	100	70	5	2	1	19	0	4
0360	102	136	0	100	73	4	1	1	17	0	3
0500	79	159	0	100	76	4	1	1	16	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 : **GULLY**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 415 788
 Date(s) Surveyed: 5/10/2007

15/G/03
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1984	1987	1991	1995	1998	2001	2005	2007
0060	-	-	-	3-4	3-4	3-4	3-4	3	3	3
0100	-	4	3-4	3	4	3	3-4	4	4	4
0200	5	5	4	3-4	4	3-4	4	3	4	-
0300	5	5	5	3-4	4	4	4	4	4	4

Assessment: No change since previous survey with the first sample location (0060) continuing moderately polluted and the other two (0100, 0300) of good quality. The substratum of this river is naturally heavily calcified in places.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0060	Gully Br	231402	187629	60	LS
0100	Gortnaclea Br	236076	186396	60	LS
0200	Gully Br	239013	182569	60	LS
0300	Colooney Br	240412	179264	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	99	8	0	100	90	0	0	0	10	0	0
0100	84	38	0	100	82	1	0	0	11	0	6
0200	78	53	0	100	79	2	0	0	15	0	4
0300	75	67	0	100	75	3	0	0	18	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 15 (2007)

River and Code : **KILLEEN**
 Tributary of : 15D01 DELOUR
 OS Grid Ref of Confluence: S 285 955
 Date(s) Surveyed: 31/7/2007

15/K/01
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2005	2007
0200	5	5	4-5	4-5	4-5	4-5	4
0400	5	5	5	4-5	4-5	4-5	-

Assessment: Continuing satisfactory. Land at both sides of the river, at the location sampled, had been cleared since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Cardtown Br	227157	197960	54	LS
0400	Br u/s Delour River	228286	196266	54	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	164	9	100	0	9	58	25	0	8	0	0
0400	130	12	99	1	26	43	18	0	12	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.

Hydrometric Area 15 (2007)

River and Code : **KING'S (KILKENNY)**

15/K/02

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 547 442

Date(s) Surveyed: 22/8/2007, 23/8/2007, 24/8/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1975	1979	1983	1987	1991	1995	1998	2001	2005	2007
0100	-	-	4-5	4	4	4-5	-	-	-	-	-
0200	-	-	4-5	4	4	3	4	3-4	4	4	4
0250	-	-	-	-	3	3-4	-	4	4	4	-
0300	4-5	3-4	4-5	4	4	-	-	-	-	-	-
0400	-	4	5	4-5	3-4	-	-	-	-	-	-
0500	4	-	4-5	4	3	3-4	3	3-4	3	3	3-4
0600	4	3-4	4	3-4	3	3	-	3-4	3-4	3-4	4
0700	-	-	-	4	3-4	3-4	3-4	3-4	3-4	3-4	-
0800	4-5	4	4-5	4	3-4	4	-	-	-	-	3-4
0850	-	-	-	-	3-4	3-4	3	3-4	3-4	3-4	-
0900	4-5	4	4-5	4	3-4	3-4	3	3	3-4	3-4	3-4

Assessment: Eutrophic or slightly polluted over much of its course (0500, 0800, 0900), improved to good quality downstream of Callan (0600) and continuing likewise at the uppermost location (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballingarry Br	229608	149021	67	TY
0200	At Garrynoe	229351	147669	67	TY
0250	Second Br u/s Island's Br	231157	144765	67	KK
0300	Island's Br	233128	144143	67	TY
0400	Br near Physicianstown	237106	143804	67	KK
0500	Br in Callan	241539	143878	67	KK
0600	2 km d/s Callan - nr Old Mill	243161	142720	67	KK
0700	Newtown Br	246458	143559	67	KK
0800	Kells Br	249411	143686	67	KK
0850	Near Kellsborough House	250423	143379	67	KK
0900	Ennisnag Br	252605	143932	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	146	19	0	100	100	0	0	0	0	0	0
0200	132	22	0	100	100	0	0	0	0	0	0
0250	96	53	0	100	97	1	0	0	2	0	0
0300	84	58	0	100	97	1	0	0	2	0	0
0400	72	64	0	100	97	1	0	0	2	0	0
0500	61	203	0	100	91	1	0	0	7	0	1
0600	57	240	2	98	89	2	1	0	7	0	1
0700	48	293	2	98	86	1	1	0	11	0	1
0800	40	378	10	90	82	2	0	0	13	0	2
0850	40	381	10	90	82	2	0	0	14	0	2
0900	31	395	10	90	81	2	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 : **LISDOWNEY**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 442 685
 Date(s) Surveyed: 24/9/2007

15/L/02
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)					
	1991	1995	1998	2001	2005	2007
0100	-	4	3-4	3-4	4	4
0200	3	-	-	-	-	-
0300	3	-	-	-	-	-

Assessment: The improvement in condition, to good quality, recorded in 2005 was maintained in 2007. This river dries in some summers further downstream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Lisdowney Cross Rds	241126	171277	60	KK
0200	Br E of Lisdowney Cross Rds	0	0	0	KK
0300	Grange Br	243629	168626	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	93	13	0	100	91	5	0	0	4	0	0
0300	67	22	0	100	81	3	0	0	16	0	0

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

River and Code : **MOUNTRATH**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 348 913
 Date(s) Surveyed: 1/8/2007, 2/8/2007

15/M/01
 OS Catchment No: 184

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1980	1985	1987	1991	1995	1998	2001	2005	2007
0050	-	-	-	-	-	-	4	4-5	4	4-5	4
0080	-	-	-	-	5	5	-	-	-	-	-
0100	-	-	4-5	4	4	4	4	4	4-5	3-4	2
0160	-	-	4-5	4	3-4	4	4	4	4	3-4	-
0200	-	-	4	4	3-4	4	-	-	-	-	-
0300	5	4	4-5	4	4	4	4	3-4	3-4	3-4	3-4

Assessment: Again mostly unsatisfactory with significant change. Serious pollution, from suspected agriculture discharge, leading to bad quality was recorded at the second sample location (0100). Continuing satisfactory at the first location (0050) and again slightly polluted at final one (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br S of Drim	233320	198857	54	LS
0080	Roundwood Br	0	0	0	LS
0100	Br near Rushin House	233923	196765	54	LS
0160	Rushin Br	235200	194917	54	LS
0200	1.5 km d/s Mountrath	235600	193200	0	LS
0300	Forest Br	235418	191833	54	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	162	7	100	0	10	36	39	0	0	0	14
0100	111	23	77	23	45	16	25	0	5	0	8
0160	101	46	64	36	56	10	22	0	7	0	4
0300	91	57	51	49	58	9	18	3	7	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 15 (2007)

River and Code : **MUCKALEE**
 Tributary of : 15D02 DININ (NORE)
 OS Grid Ref of Confluence: S 508 665
 Date(s) Surveyed: 18/7/2007

15/M/02
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1989	1991	1995	1998	2001	2005	2007
0100	5	4	4-5	4-5	4	4-5	4-5	4-5	4-5
0200	5	4	4	4	4	4	4	4	4

Assessment: Continuing satisfactory at both locations with no change in quality since previous survey. Also known as Douglas River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Cloghpook	254855	165682	61	KK
0200	Br u/s Dinin R confl	251298	166322	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	160	9	0	100	74	16	0	0	0	0	10
0200	85	15	0	100	82	10	0	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 : **MUNSTER**

15/M/03

Tributary of : 15K02 KING'S (KILKENNY)

OS Catchment No: 184

OS Grid Ref of Confluence: S 393 445

Date(s) Surveyed: 21/8/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1980	1985	1987	1991	1998	2001	2005	2007
0500	5	4	4	-	-	-	-	-
0540	-	-	4	3-4	4	3-4	3-4	4
0600	5	4-5	4	4-5	3-4	3-4	4	4-5
0700	5	4	4	4	4	3-4	3-4	3-4

Assessment: Mostly satisfactory, following improvement at first location (0540), but continuing slightly polluted at final sample station (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br SW of Gortnagap	233413	154399	67	KK
0540	Br WSW of Killeen	235073	152475	67	KK
0600	Cappagh Br	236133	148542	67	KK
0700	Br u/s King's R confl	239277	145283	67	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	184	5	0	100	97	2	0	0	1	0	0
0540	143	14	0	100	98	1	0	0	1	0	0
0600	94	29	0	100	96	0	0	0	3	0	0
0700	68	101	0	100	87	1	0	0	11	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 : **NEEDLEFORD STREAM** **15/N/04**
 Tributary of : 15M01 MOUNTRATH OS Catchment No: 184
 OS Grid Ref of Confluence: S 357 957
 Date(s) Surveyed: 2/8/2007

Station Nos.	2001	2005	Biological Quality Ratings (Q Values)	2007
0200	4	4-5		4-5

Assessment: Continuing satisfactory since first sampled in 2001.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Needleford Br	236650	197980	0	LS

Hydrometric Area 15 (2007)

River and Code : **NORE**

15/N/01

Tributary of : Barrow/Nore/Suir Estuary

OS Catchment No: 184

OS Grid Ref of Confluence: S 706 306

Date(s) Surveyed: 3/9/2007, 4/9/2007, 5/9/2007, 6/9/2007, 7/9/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1981	1984	1987	1991	1995	1998	2001	2004	2007
0030	-	-	-	-	-	-	-	3	4	3	4	-
0080	-	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4	4
0100	-	-	4-5	4-5	4	4	4	-	-	-	-	-
0200	-	-	3	4	3-4	3-4	4	3	3-4	3-4	3-4	-
0300	5	4-5	4	4	4	3-4	3-4	3-4	3-4	3-4	3-4	3-4
0400	5	5	4-5	-	3-4	3-4	4	4	3-4	3-4	3-4	-
0500	4-5	4-5	4-5	-	-	4	-	4*	4	4	4	4
0580	-	-	-	-	-	-	-	3-4	3-4	4	4	-
0600	5	4-5	5	-	4-5	4-5	4	-	-	-	-	-
0700	-	-	4	-	3-4	4	4	4	3-4	4	3-4	3-4
0800	5	5	4-5	-	4	4	4	-	-	-	-	-
0900	-	-	-	-	4	4-5	4	4	3-4	3-4	3-4	4
1000	5	5	5	-	4	4	4	-	-	-	-	-
1100	5	5	4-5	-	4	4	4-5	3-4	3-4	4	4	4
1200	-	-	-	-	4	4	4	-	-	-	-	-
1300	4-5	4-5	4-5	-	4	4	4	3-4	4	4-5	4-5	4
1400	5	4-5	4	4	4	3-4	3-4	-	-	-	-	-
1450	5	4-5	4	4	4	3-4	3-4	3-4	4	3-4	3-4	3-4
1500	4-5	4	3-4	4	3-4	3-4	3-4	-	-	-	-	-
1600	5	5	3-4	4	3-4	4	4	3-4	4	4	4	-
1700	-	-	4	-	4	4	4	4	4	4	4	4
1750	-	-	-	-	-	4	4	-	-	-	-	-
1800	5	4-5	5	-	5	5	4	4	4-5	4	4	4
1900	-	-	-	-	2-3	4-5	4	3-4	-	-	-	-
1950	3-4	3	-	-	2-3	4	3-4	3-4	3-4	3-4	3-4	3-4
2000	-	-	3	3-4	3-4	4	4	3	3-4	3	3-4	3
2100	-	-	4	-	3-4	3-4	4	4	-	-	-	-
2120	-	-	4	-	3-4	3-4	4	4	4	3-4	3-4	-
2200	-	-	4	-	3-4	4	4	3-4	3-4	3-4	3-4	4
2305	4-5	4-5	3-4	3	3	2	2	2	3	2	3	2
2310	4-5	4-5	3-4	4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4
2320	-	-	-	-	-	-	-	3	3-4	3-4	3	3
2400	-	-	4	4	4	4	3-4	3-4	4	4	3-4	3-4

Assessment: Just over half of the locations assessed in 2007, i.e. nine of the 17, indicated good water quality status. There was improvement, since the previous survey, at four sites but deterioration at a further two (2000, 2305) with the left-hand side of the river in Thomastown again having reverted to seriously polluted conditions as a result of sewage discharges. Three protected species, the pearl mussel, crayfish and lamprey, were recorded in 2007; the crayfish population had collapsed in August 2004 and specimens were found at only one of the locations examined in the latest survey.

Hydrometric Area 15 (2007)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br SW of Clonakenny	210834	180507	59	TY
0080	Br NE Clonakenny	213153	181463	60	TY
0100	Curragunneen Br	214207	182899	60	TY
0200	Nore Br, SE of Roscrea	217232	185677	60	TY
0300	Quaker's Br	221099	186962	60	LS
0400	New Br, WNW of Borris-in-Ossory	223718	187833	60	LS
0500	Br S of Coolrain	229321	190565	54	LS
0580	Danganroe Br	232593	193087	54	LS
0600	Castletown, New Road Br	234208	192101	54	LS
0700	Kilbricken Br	236144	190004	54	LS
0800	New Br	237453	187978	60	LS
0900	Poorman's Br	240775	185967	60	LS
1000	Waterloo Br	241165	184062	60	LS
1100	Watercastle Br	242572	180312	60	LS
1200	New Br, u/s Durrow	241540	178595	60	LS
1300	Tallyho Br	242319	176232	60	LS
1400	0.5 km u/s Ballyragget	244267	171182	60	KK
1450	Ballyragget Br	244528	170813	60	KK
1500	1.5 km d/s Ballyragget	244009	169382	60	KK
1600	Lismaine Br	244102	166118	60	KK
1700	Threecastles Br	245811	162687	60	KK
1750	ENE of Troyswood House	249539	159374	67	KK
1800	1 km u/s Green's Br, Kilkenny	250457	157314	67	KK
1900	St John's Br, Kilkenny	251080	155819	67	KK
1950	Fennessy's Mill (Ossory Br)	252280	154969	67	KK
2000	NE of Warrington, d/s Kilkenny	253739	154473	67	KK
2100	Bennettsbridge, 600 m d/s br	255340	148725	67	KK
2120	1 km d/s Bennettsbridge	255341	148743	67	KK
2200	Ballylinch Br	254688	143592	67	KK
2305	Thomastown Br (LHS)	258572	141743	67	KK
2310	Thomastown Br (RHS)	258572	141743	67	KK
2320	1 km d/s Thomastown Br	259179	141770	67	KK
2400	Brownsbarn Br	261808	139168	68	KK

Hydrometric Area 15 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	130	6	94	6	87	8	0	0	5	0	0
0080	120	19	72	28	92	3	0	0	5	0	0
0100	112	30	67	33	95	2	0	0	3	0	0
0200	101	47	58	42	92	1	1	0	2	0	3
0300	100	83	45	55	74	6	8	0	6	0	7
0400	100	109	40	60	76	5	6	0	6	0	6
0500	95	153	35	65	77	5	5	0	7	0	6
0580	92	268	55	44	59	17	9	0	9	0	5
0600	90	275	54	46	60	16	9	0	9	0	6
0700	88	339	53	47	60	15	10	1	9	0	5
0800	86	347	52	48	60	15	10	1	9	0	5
0900	81	429	42	58	61	12	10	1	9	0	6
1000	79	474	38	62	63	12	10	1	9	0	5
1100	76	489	37	63	62	12	10	1	9	0	5
1200	74	561	32	68	63	11	8	1	11	0	5
1300	71	947	19	81	69	8	6	1	11	0	5
1400	65	1058	17	83	71	8	5	1	11	0	4
1450	64	1059	17	83	71	8	5	1	11	0	4
1500	62	1067	17	83	71	8	5	1	11	0	4
1600	58	1105	17	83	71	8	5	1	12	0	4
1700	53	1235	15	85	72	7	4	1	12	0	4
1750	47	1561	12	88	72	8	3	1	11	0	5
1800	44	1570	12	88	72	8	3	1	11	0	5
1900	42	1644	11	89	72	7	3	1	12	0	5
1950	40	1648	11	89	72	7	3	1	12	0	5
2000	38	1705	11	89	72	7	3	1	12	0	4
2100	29	1768	10	90	71	7	3	1	13	0	4
2120	29	1768	10	90	71	7	3	1	13	0	4
2200	21	2222	10	90	73	6	2	1	14	0	4
2305	14	2309	12	88	73	6	2	1	14	0	4
2310	14	2309	12	88	73	6	2	1	14	0	4
2320	13	2358	12	88	73	6	2	1	14	0	4
2400	8	2418	15	85	73	6	2	1	14	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 15 (2007)

River and Code : **NUENNA**
 Tributary of : 15N01 NORE
 OS Grid Ref of Confluence: S 442 641
 Date(s) Surveyed: 8/6/2007

15/N/02
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)									
	1976	1980	1985	1987	1991	1995	1998	2001	2005	2007
0100	-	4	4	4	3-4	3-4	3-4	3-4	3	4
0200	-	4	4	3-4	3-4	-	-	-	-	-
0300	-	4	4	3-4	3	3	3	3	3	3
0400	4-5	4	4-5	3-4	4	3-4	4	3-4	3-4	3

Assessment: Two of the three locations assessed were unsatisfactory. Good quality status recorded upstream of Freshford but poor quality at the two locations downstream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br d/s Clomantagh	236280	163720	60	KK
0200	Freshford, E Br	0	0	0	KK
0300	1km d/s Freshford	241320	164642	60	KK
0400	Br near Cooleeshal	244548	164220	60	KK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	108	23	0	100	78	3	0	0	14	0	5
0300	69	66	0	100	78	3	0	1	14	0	4
0400	56	1191	15	85	71	7	4	1	12	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 : **OWVEG (NORE)**

15/O/01

Tributary of : 15N01 NORE

OS Catchment No: 184

OS Grid Ref of Confluence: S 440 735

Date(s) Surveyed: 6/6/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1987	1991	1995	1998	2001	2005	2007
0050	-	-	3-4	4	-	3-4	4	4	3-4
0060	-	-	3-4	3-4	-	-	-	-	-
0080	-	-	-	-	3	3-4	3-4	3-4	4
0100	4	3-4	3-4	4	-	-	-	-	-
0160	-	-	-	-	4	3-4	4	4	4
0200	4	4	4	4	-	-	-	-	-
0280	-	-	-	-	4	4	4	4	3-4
0300	5	4	4	4	-	-	-	-	-
0400	-	-	-	-	4	4	4	4	4

Assessment: Good quality status was recorded at three of the five locations assessed. The biological and hydromorphological quality of the river at the uppermost location, near Spink (0050), was only moderate and a slight deterioration in biological condition was also recorded at Castlemarket Bridge (0280).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br W of Spink	251915	183643	60	LS
0060	Graiguenasmuttan Br	0	0	0	LS
0080	Boleybeg Br	249560	184070	60	LS
0100	Dysart Wooden Br	248987	182613	60	LS
0160	Br WNW of Boleybawn	247994	181032	60	LS
0200	Ironmills Br	247330	179567	60	KK
0280	Castlemarket Br	245754	178117	60	KK
0300	Rosconnell Br	245113	177986	60	KK
0400	Attanagh Br	244170	175889	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	162	14	0	100	70	13	0	0	14	0	3
0080	144	29	0	100	74	16	0	0	8	0	3
0100	138	33	0	100	77	14	0	0	7	0	2
0160	121	41	0	100	79	12	0	1	5	0	2
0200	112	43	0	100	80	11	0	1	5	0	2
0280	97	57	0	100	79	12	0	1	6	0	2
0300	92	72	0	100	81	9	0	1	5	0	3
0400	79	83	0	100	80	8	1	2	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 : **RATHDOWNEY STREAM**

15/R/03

Tributary of : 15E01 ERKINA

OS Catchment No: 184

OS Grid Ref of Confluence: S 283 788

Date(s) Surveyed: 16/10/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1995	1998	2001	2005	2007
0100	3	3	-	-	-	-
0300	3	3	3	-	-	-
0500	3-4	-	-	-	-	-
0700	4-5	4	3-4	3*	3-4	3-4*
1000	3	3	-	-	-	-
1100	3	3	3-4	3	3-4	3-4

Assessment: Both locations were unchanged since previous survey with only moderate quality recorded and some siltation at the first of these which is at a disused water abstraction point. Nonetheless the crayfish, a species tolerant of mild pollution, was recorded at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br nr Cody's Castle	226553	172711	60	KK
0300	Br u/s confl with Castletown Tribu	227365	173556	60	KK
0500	Br W of Whiteswall	226970	173717	60	KK
0700	Br W of Glasha Crossroads	227098	175990	60	LS
1000	Br at S end of Rathdowney	228044	178207	60	LS
1100	Br in Rathdowney	227973	178139	60	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	127	3	0	100	76	0	0	11	13	0	0
0300	N/A	1	0	100	59	0	0	41	0	0	0
0500	121	4	0	100	72	0	0	9	19	0	0
0700	109	10	0	100	83	0	0	6	12	0	0
1000	93	15	0	100	84	0	0	5	10	0	0
1100	94	13	0	100	84	0	0	6	10	0	0

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

River and Code : **TONET**
 Tributary of : 15D01 DELOUR
 OS Grid Ref of Confluence: S 293 923
 Date(s) Surveyed: 1/8/2007, 31/7/2007

15/T/01
 OS Catchment No: 184

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1995	1998	2001	2005	2007
0200	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0400	4-5	4-5	4-5	4-5	4-5	4-5	3-4
0600	4	4-5	4	4	4	4	4

Assessment: High and good quality again respectively at Birchgrove Bridge (0200) and Antrim Bridge (0600) but deterioration at Rosснаaclonagh Bridge (0400) to moderate quality, since 2005, where an increase in filamentous algae was recorded and where household litter had been dumped in the river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Birchgrove Br	223320	194859	54	LS
0400	Rosснаaclonagh Br	226445	193202	54	LS
0600	Antrim Br	229465	192339	54	LS

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	160	10	100	0	6	47	32	0	4	0	10
0400	114	19	100	0	28	43	17	0	7	0	6
0600	97	30	80	20	39	34	11	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 : **TULLAROAN STREAM**

15/T/02

Tributary of : 15M03 MUNSTER

OS Catchment No: 184

OS Grid Ref of Confluence:

Date(s) Surveyed: 21/8/2007

Formerly reported as the East Branch of the Munster River 15M03

Station Nos.	Biological Quality Ratings (Q Values)							
	1980	1985	1987	1991	1995	1998	2005	2007
0100	4	3	2-3	-	-	-	n/s	-
0250	-	-	3-4	3-4	-	3-4	3-4	4
0300	4	3-4	3	4	-	-	-	-
0400	5	4	4	4	-	4	3-4	-
0450	-	-	4	4	3-4	3-4	3-4	4

Assessment: Following improvement, since 2005, both locations assessed had good quality recorded in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br in Tullaroan	237800	156700	67	KK
0250	Br at Oldtown	238863	154617	67	KK
0300	Br E of Kilmanagh	239400	152200	67	KK
0400	Br E of Graigue	239927	150134	67	KK
0450	Br u/s Main Channel	239274	146694	0	KK

SERBD: HYDROMETRIC AREA NO. 15

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.

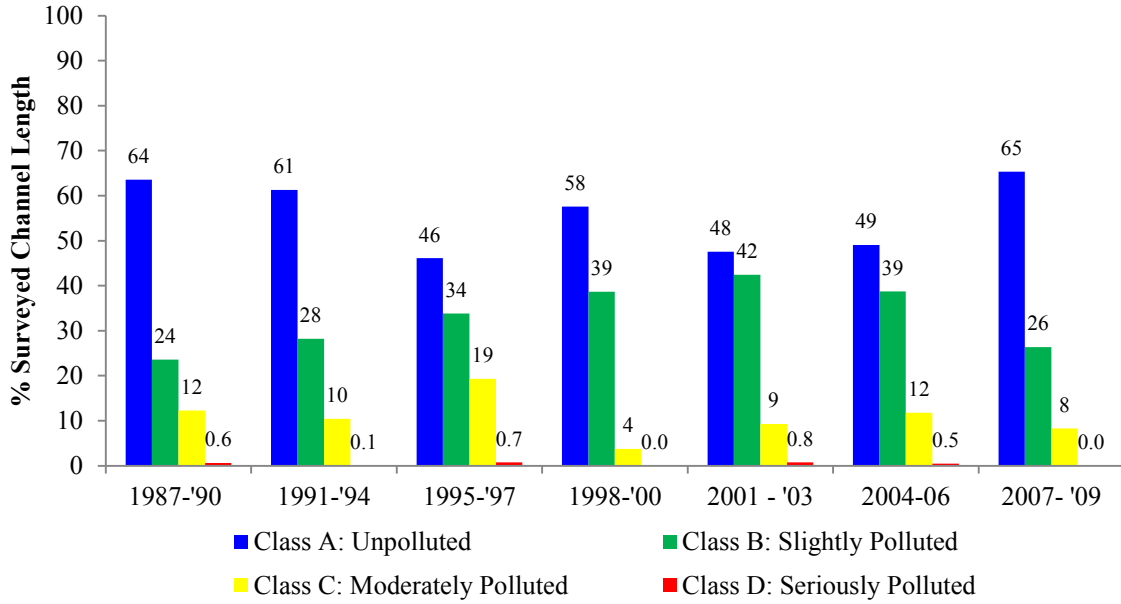
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Arigna	2007	15A01	0.0	4.0	0.0	0.0	0.0	4.0
Arrigle	2007	15A02	0.0	9.0	3.5	0.0	0.0	12.5
Ballyroan	2007	15B01	0.0	6.0	0.0	1.5	0.0	7.5
Baunballinlough Stream	2007	15B12	0.0	0.0	3.0	0.0	0.0	3.0
Bregagh	2007	15B02	0.0	0.0	0.0	10.0	0.0	10.0
Brownstown Stream	2007	15B04	0.0	1.5	3.0	0.0	0.0	4.5
Caherlesk Stream	2007	15C12	0.0	0.0	0.0	1.0	0.0	1.0
Cappanacloghy	2007	15C06	0.0	4.5	5.0	3.5	0.0	13.0
Castlecomer Stream	2007	15C01	0.0	4.0	0.0	0.0	0.0	4.0
Clogh	2007	15C03	0.0	5.5	0.0	0.0	0.0	5.5
Cloghnagh	2007	15C04	0.0	2.5	4.5	0.0	0.0	7.0
Cloonawoolan Stream	2007	15C19	0.0	0.0	0.0	3.0	0.0	3.0
Coalbrook Stream	2007	15C20	0.0	2.5	0.0	0.0	0.0	2.5
Delour	2007	15D01	11.0	5.0	0.0	0.0	0.0	16.0
Desart Stream	2007	15D04	0.0	0.0	0.0	6.0	0.0	6.0
Dinin	2007	15D02	0.0	14.5	0.0	0.0	0.0	14.5
Dinin North	2007	15D07	0.0	18.5	0.0	0.0	0.0	18.5
Dinin South	2007	15D08	0.0	15.0	0.0	0.0	0.0	15.0
Donaghmore Stream	2007	15D03	0.0	7.5	1.5	0.0	0.0	9.0
Ennisnag Stream	2007	15E02	0.0	0.0	1.0	0.0	0.0	1.0
Erkina	2007	15E01	0.0	0.0	28.0	0.0	0.0	28.0
Errill	2007	15E03	0.0	0.0	1.0	0.0	0.0	1.0
Garranacool	2007	15G10	0.0	0.0	3.5	0.0	0.0	3.5
Glory	2007	15G01	0.0	3.0	4.0	5.0	0.0	12.0
Gorteenahilla	2007	15G08	0.0	0.0	3.0	0.0	0.0	3.0
Goul	2007	15G02	0.0	13.0	12.0	0.0	0.0	25.0
Gully	2007	15G03	0.0	12.0	3.5	1.5	0.0	17.0
Killeen	2007	15K01	0.0	7.5	0.0	0.0	0.0	7.5
Kings	2007	15K02	0.0	27.5	11.0	0.0	0.0	38.5
Lisdowney	2007	15L02	0.0	2.5	0.0	0.0	0.0	2.5
Mountrath	2007	15M01	0.0	13.0	1.0	0.0	0.0	14.0
Muckalee	2007	15M02	6.5	1.0	0.0	0.0	0.0	7.5
Munster	2007	15M03	9.2	5.4	1.0	0.0	0.0	15.5
Needleford Stream	2007	15N04	5.0	0.0	0.0	0.0	0.0	5.0
Nore	2007	15N01	0.0	73.5	36.5	8.0	0.0	118.0
Nuenna	2007	15N02	0.0	6.0	0.0	3.5	0.0	9.5
Owveg (Nore)	2007	15O01	0.0	20.0	4.0	0.0	0.0	24.0
Rathdowney Stream	2007	15R03	0.0	0.0	5.0	0.0	0.0	5.0
Tonet	2007	15T01	8.0	2.0	2.0	0.0	0.0	12.0
Tullaroan Stream	2007	15T02	0.0	13.0	0.0	0.0	0.0	13.0
Total Length (km) surveyed this cycle	2007		39.7	299.4	137.0	43.0	0.0	519.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			7.6	57.7	26.4	8.3	0.0	100.0
Channel Length (km) in Class				A	B	C	D	Total
Baseline : Current Adjusted Status (km)	2007 -'09			339.0	137.0	43.0	0.0	519.0
<i>Percentages</i>				65.3	26.4	8.3	0.0	100.0
Baseline: Previous Unadjusted Status (km)**	2004 -'06			254.0	201.5	61.0	2.5	519.0
<i>Percentages</i>				49.0	38.7	11.8	0.5	
Changes since Previous Survey (km)				85.0	-64.5	-18.0	-2.5	0.0

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

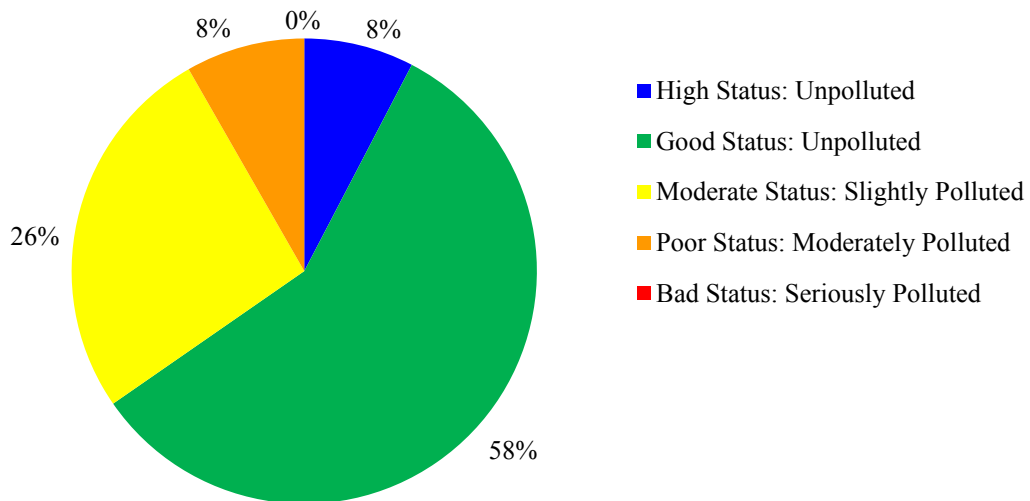
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 15 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 15 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 17 (Colligan – Mahon)	
ARAGLIN (COLLIGAN)	17A01
BRICKEY	17B01
COLLIGAN	17C01
DALLIGAN	17D01
DUNHILL	17D02
LEPERSTOWN STREAM	17L01
MAHON	17M01
MORRAGEN	17M02
TAY	17T01

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

17/A/01

Tributary of : 17C01 COLLIGAN

OS Catchment No: 188

OS Grid Ref of Confluence: S 232 024

Date(s) Surveyed: 9/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0300	4	4-5	4-5	4-5	4	4-5	4
0400	4	4	4-5	4-5	4	4-5	-

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Coum Br	224892	103680	82	WD
0400	Ballynakill Br	223154	102480	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	154	9	100	0	4	8	25	0	12	0	51
0400	90	35	100	0	33	6	23	0	6	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 : **BRICKEY**
 Tributary of : Sea - Dungarvan Harbour
 OS Grid Ref of Confluence: X 243 902
 Date(s) Surveyed: 10/10/2007

17/B/01
 OS Catchment No: 189

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0030	3	3	-	-	-	-	-
0050	-	-	3	3	3	4	3
0070	3-4	3*	-	-	-	-	-
0090	3-4	3-4	3-4	3-4	3-4	3-4	-

Assessment: Reversion to moderately polluted conditions following transitory amelioration in 2004 at the only location examined (Knockmahon Bridge).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Canty Br	0	0	0	WD
0050	Knockmaon Br	218746	93400	82	WD
0070	Drehidatogher Br	0	0	0	WD
0090	Br u/s Twomile Br	222101	91318	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	6	11	23	77	79	2	0	2	17	0	0
0090	2	34	40	60	74	6	0	2	15	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 17 (2007)

River and Code : **COLLIGAN**
 Tributary of : Sea - Dungarvan Harbour
 OS Grid Ref of Confluence: X 262 933
 Date(s) Surveyed: 9/10/2007, 11/10/2007

17/C/01

OS Catchment No: 188

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1984	1987	1991	1996	1998	2001	2004	2007
0090	-	-	4-5	4	4-5	4-5	4	4-5	4-5
0100	5	4	4-5	4	4-5	4-5	4	4-5	4
0150	-	-	-	-	4-5	4-5	4-5	4-5	4-5
0180	-	-	4	4	4-5	4-5	4-5	4-5	-
0250	-	-	-	4	4	4	4	4	4

Assessment: Continuing satisfactory throughout.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Scart Br (West)	222967	104892	82	WD
0100	Scart Br (East)	222960	104927	82	WD
0150	Br ESE of Lackandarra	223066	102061	82	WD
0180	Colligan Br	222017	98002	82	WD
0250	Killadangan Br	223210	95188	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	120	15	100	0	25	0	43	0	0	0	32
0100	121	15	100	0	25	0	43	0	0	0	32
0150	85	54	100	0	37	6	21	0	7	0	29
0180	44	77	100	0	47	7	15	0	8	0	23
0250	11	84	98	2	48	9	14	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 : **DALLIGAN**

17/D/01

Tributary of : Sea - E. of Dungarvan Harbour

OS Catchment No: 187

OS Grid Ref of Confluence: X 335 950

Date(s) Surveyed: 11/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0050	4	4	4	4	4	4	-
0100	4	4	3-4	4	4	4	-
0300	4	4	3-4	4	4	4-5	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br E of Glendalligan	229488	100223	82	WD
0100	Br S of Shanbally	230999	97508	82	WD
0300	Ballyvoyle New Br	233814	95971	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	147	7	100	0	12	20	58	0	0	0	10
0100	68	13	100	0	29	21	32	0	4	0	15
0300	24	18	100	0	47	15	22	0	5	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 : **DUNHILL**
 Tributary of : Sea - E. of Dunbrattin Head
 OS Grid Ref of Confluence: X 496 988
 Date(s) Surveyed: 25/9/2007

17/D/02

OS Catchment No: k2

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1991	1996	1998	2001	2004	2007
0100	3-4	2-3	3	2	3-4	3-4	3-4
0200	3-4	3	3	3-4	3-4	3-4	-

Assessment: Continuing slightly polluted at Ballyphilip Bridge (0100). Also known as Annestown Stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballyphilip Br	250744	102651	82	WD
0200	Br W of Dunhill Lodge	250541	100753	82	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	10	12	100	0	61	0	0	0	32	0	7
0200	4	15	100	0	63	0	0	0	29	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 : **LEPERSTOWN STREAM**

17/L/01

Tributary of : Sea - Tramore Bay

OS Catchment No: k2

OS Grid Ref of Confluence: S 641 012

Date(s) Surveyed: 25/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2004	2007
0300	3	3	3	3	3	3

Assessment: Continuing moderately polluted at Bridge West of Leperstown (Aughanodrish Bridge)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Aughanodrish Br	265710	102128	76	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	21	7	100	0	76	4	0	0	10	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.

Hydrometric Area 17 (2007)

River and Code : **MAHON**
 Tributary of : Sea - Bunmahon Bay
 OS Grid Ref of Confluence: X 434 988
 Date(s) Surveyed: 26/9/2007

17/M/01
 OS Catchment No: 185

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0100	3-4	4	4	4	4	4-5	4-5
0140	3-4	3	4	4	4	4	-
0180	4	4	-	-	-	-	-
0200	3	3	4	3-4	3-4	3-4	3-4
0300	4	4	4	4	4	4	-
0350	4	4	4	4	4	4	4

Assessment: Satisfactory except downstream of Kilmacthomas (0200) where again slightly polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Mahon Br	234225	106019	75	WD
0140	Br S of Ballyboy	236739	105686	82	WD
0180	Br in Kilmacthomas	0	0	0	WD
0200	Br just S of Kilmacthomas	239661	105641	82	WD
0300	Aughshemus Br	241686	102677	82	WD
0350	E of Seafield	242275	101069	82	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	87	11	100	0	6	0	23	0	0	0	72
0140	54	35	100	0	47	5	11	0	3	0	34
0200	29	61	100	0	55	4	7	1	12	0	22
0300	10	73	100	0	59	3	6	1	13	0	18
0350	6	91	100	0	63	3	5	1	15	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 : **MORRAGEN**
 Tributary of : 17M01 MAHON
 OS Grid Ref of Confluence: S 392 065
 Date(s) Surveyed: 26/9/2007

17/M/02
 OS Catchment No: 185

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0100	3	4	3-4	3-4	4	3-4	-
0200	4	4	4	4	4	3-4	4

Assessment: Amelioration to satisfactory conditions in 2007. In 2004 this location (Kilnagrange Bridge) was less than satisfactory for the first time since biological sampling began in 1987.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Rahoughtragh Br	240198	109506	75	WD
0200	Kilnagrange Br	239349	106523	75	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	81	4	100	0	75	0	1	0	17	0	7
0200	34	13	100	0	70	3	0	0	23	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 : **TAY**
 Tributary of : Sea - Dungarvan Bay
 OS Grid Ref of Confluence: X 368 970
 Date(s) Surveyed: 11/10/2007

17/T/01

OS Catchment No: 186

Station Nos.	Biological Quality Ratings (Q Values)								
	1976	1984	1987	1991	1996	1998	2001	2004	2007
0050	-	-	4-5	4-5	4-5	4	3-4	4-5	4-5
0100	-	4-5	4-5	4-5	4	4	3-4	4-5	-
0200	-	-	4-5	4	4	-	-	-	-
0250	-	-	-	-	4-5	4	4	4-5	4
0300	4-5	4-5	4-5	4	-	-	-	-	-
0400	-	-	4-5	4	4	4	4	4	4

Assessment: Satisfactory throughout. Run-off from a single house septic tank, however, poses a risk of pollution at the final location (Stradbally Bridge).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Aughnacurra Br	231942	104035	82	WD
0100	Br N of Lemybrien	233504	102342	82	WD
0200	Fox's Castle Br	234073	100370	82	WD
0250	Durrow Br	234019	98720	82	WD
0300	Br S of Kilminnin	0	0	0	WD
0400	Stradbally Br	236823	97209	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	93	19	100	0	19	9	39	0	7	0	27
0100	63	23	100	0	28	8	33	0	6	0	25
0200	48	34	100	0	46	5	22	0	7	0	20
0250	33	53	100	0	56	7	16	0	4	0	16
0400	3	67	100	0	60	7	13	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.

SERBD: HYDROMETRIC AREA NO. 17

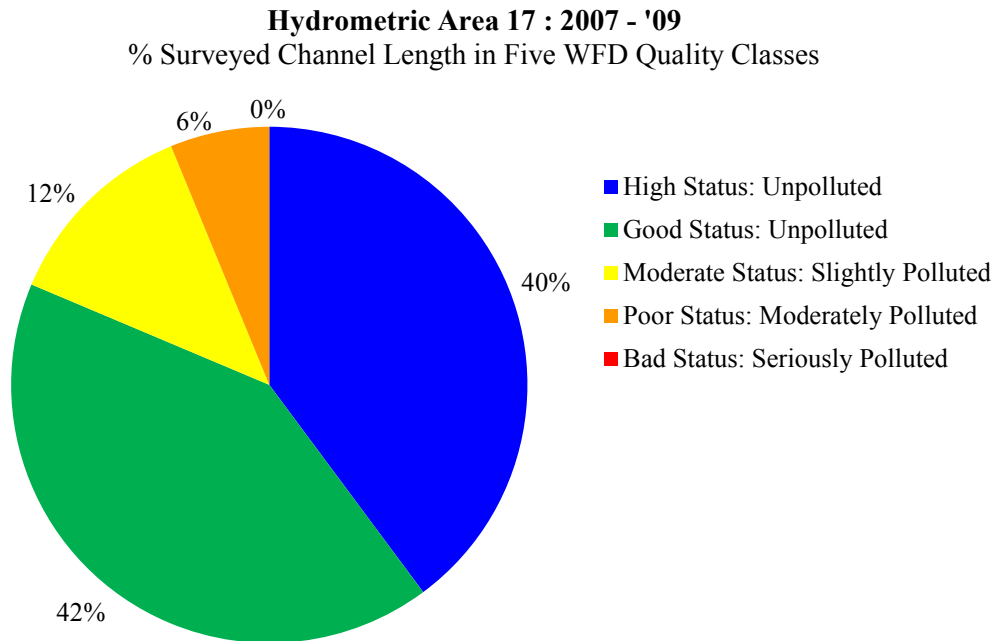
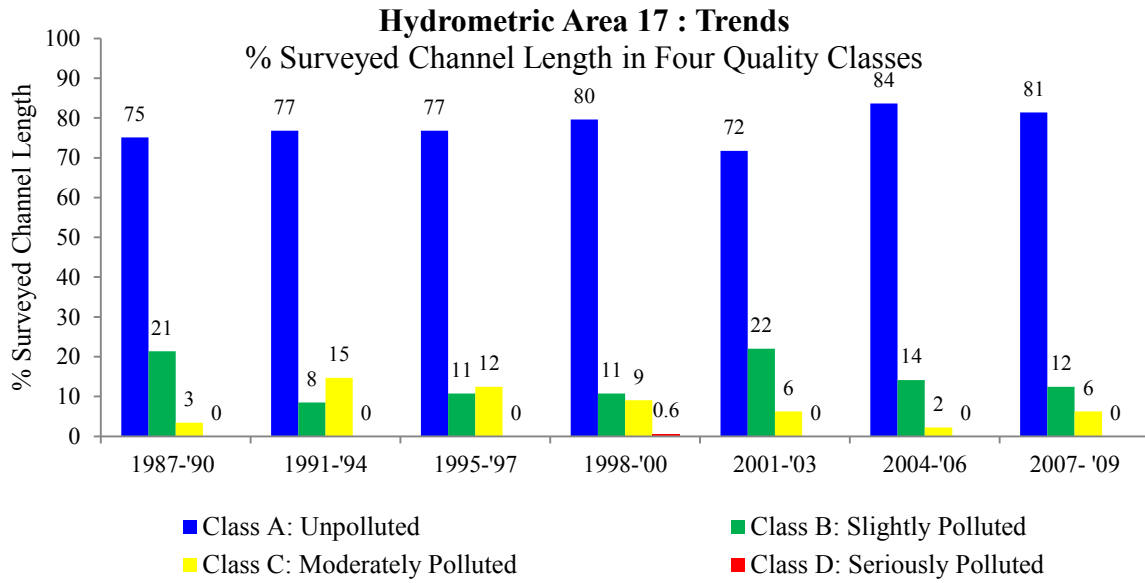
The baseline rivers showing the channel length surveyed (km) and the estimated channel length in four biological quality classes:- A - Unpolluted, B - Slightly polluted/eutrophic, C - Moderately polluted and D - Seriously polluted. Data from biological surveys in period 2007-2009.

Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Araglin (Colligan)	2007	17A01	0.0	5.0	0.0	0.0	0.0	5.0
Brickey	2007	17B01	0.0	0.0	3.5	3.5	0.0	7.0
Colligan	2007	17C01	14.0	7.5	0.0	0.0	0.0	21.5
Dalligan	2007	17D01	3.3	6.8	0.0	0.0	0.0	10.0
Dunhill	2007	17D02	0.0	0.0	5.5	0.0	0.0	5.5
Leperstown Stream	2007	17L01	0.0	0.0	0.0	2.0	0.0	2.0
Mahon	2007	17M01	6.5	9.0	2.0	0.0	0.0	17.5
Morrageen	2007	17M02	0.0	3.5	0.0	0.0	0.0	3.5
Tay	2007	17T01	11.5	5.0	0.0	0.0	0.0	16.5
Total Length (km) surveyed this cycle	2007		35.3	36.8	11.0	5.5	0.0	88.5
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			39.8	41.5	12.4	6.2	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		72.0	11.0	5.5	0.0	88.5	
<i>Percentages</i>			81.4	12.4	6.2	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		74.0	12.5	2.0	0.0	88.5	
<i>Percentages</i>			83.6	14.1	2.3	0.0	100.0	
Changes since Previous Survey (km)			-2.0	-1.5	3.5	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 22 (Laune-Maine-Dingle Bay)	
BEHEENAGH	22B01
BEHY (KERRY)	22B02
BROWN FLESK	22B03
CAHERLEHILLAN STREAM *	22C20
CARAGH	22C02
CARHAN	22C03
COOMAGLASLAW LOUGH STREAM *	22C19
COOMNACARRIG	22C06
COOMNACRONIA LOUGH STREAM *	22C18
COTTONER'S (LAUNE)	22C05
CRINNAGH	22C07
CROAGHANE	22C09
DEENAGH	22D01
DERREEN (KERRY)	22D02
DOGUE	22D03
EMLAGH	22E01
FAHADUFF	22F09
FERTA	22F01
FINGLAS (LAUNE)	22F03
FINOW	22F04
FLESK (KERRY)	22F02
GADDAGH	22G01
GEARHAMEEN	22G03
GLANTANE	22G07
GROIN	22G08
GWEESTIN	22G06
LAUNE	22L01
LITTLE MAINE	22L02
LOE	22L03
LOO	22L04
MAINE	22M01
MEELAGH	22M02
MILLTOWN (KERRY)	22M03
OWENALONDRIG	22O01
OWENASCAUL	22O02
OWENREAGH	22O03
OWENROE (CARAGH)	22O04
OWGARRIFF (FINOW)	22O06
OWNEYKEAGH	22O05
QUAGMIRE	22Q01
SHANOWEN (KERRY)	22S01
TEEROMOYLE STREAM *	22T04

* CAHERLEHILLAN STREAM Formerly North Branch of Ferta River 22F01
 * COOMAGLASLAW LOUGH STREAM Formerly Coomaglaslaw Branch of Behy (Kerry) 22B02
 * COOMNACRONIA LOUGH STREAM Formerly Coomnacronia Lake Branch of Behy (Kerry) 22B02
 * TEEROMOYLE STREAM Formerly South Branch of Ferta River 22F01

River and Code : **BEHEENAGH**
 Tributary of : 22O05 OWNEYKEAGH
 OS Grid Ref of Confluence: W 090 907
 Date(s) Surveyed: 11/7/2007

22/B/01
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0400	4-5	4-5	4-5	4	3-4	4	-
0500	4	-	-	-	-	-	-
0600	4	4	4	4	4	4-5	4

Assessment: Continuing satisfactory at the only location sampled. Some bank reinforcement work had been carried out upstream of the bridge.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br N of Gortderrig	112873	88373	79	KY
0500	W of Beheenagh	0	0	0	KY
0600	Br u/s Owneykeagh R confl	109770	90919	79	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	154	9	89	11	22	0	71	0	6	0	2
0600	112	25	49	51	40	0	55	0	4	0	1

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

River and Code : **BEHY (KERRY)**

22/B/02

Tributary of : Sea - Dingle Bay

OS Catchment No: 209

OS Grid Ref of Confluence: V 657 920

Date(s) Surveyed: 18/9/2007, 19/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0800	4	4	-	4	4	4-5	4
1000	4-5	4-5	4	4-5	4-5	4-5	4-5
1200	4-5	-	-	-	-	-	-
1300	4-5	4-5	4-5	4-5	4-5	4-5	4

Assessment: Continuing satisfactory when sampled in September 2007 in high flow conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0800	Second Br d/s Coomasaharn L	63965	85693	83	KY
1000	Ballynakilly Br	64433	87860	83	KY
1200	1.2km d/s Glanbehy Br	0	0	0	KY
1300	Behy Br	66485	90857	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	125	12	100	0	4	0	46	0	0	7	43
1000	56	34	100	0	5	0	57	0	11	5	22
1300	11	45	100	0	16	1	53	0	11	4	16

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

River and Code : **BROWN FLESK**
 Tributary of : 22M01 MAINE
 OS Grid Ref of Confluence: Q 932 061
 Date(s) Surveyed: 10/9/2007, 11/9/2007

22/B/03
 OS Catchment No: 197

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1981	1986	1990	1994	1996	1998	2002	2005	2007
0010	-	-	-	-	-	-	-	-	-	-	-
0050	-	-	5	-	4-5	4	4-5	4-5	4	4	-
0100	-	5	5	4-5	4	2-3	3-4	3-4	4	4	4
0200	-	-	4-5	4	4	3	4	3-4	4	3-4	4
0300	-	5	5	5	4-5	4	3-4	4	4-5	4	4
0400	-	-	4	5	4-5	4	3-4	4	4-5	4	4
0500	5	5	5	5	4-5	4	4	4	4-5	4-5	4

Assessment: Satisfactory with good ecological quality throughout following amelioration at Twiss Bridge (0200) since last survey. The bridge at the final location, upstream of Maine River confluence, had also been replaced since the previous visit.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Dog's Glen Br	0	0	0	KY
0050	Br u/s Barna Stream confl	109580	103805	72	KY
0100	Rice Br	105742	103187	72	KY
0200	Twiss Br	104309	103309	72	KY
0300	Flesk Br, Currow	97610	104476	71	KY
0400	O'Connell Br	95049	104558	71	KY
0500	Br u/s Maine R confl	93086	105778	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	158	7	0	100	24	31	14	0	2	0	30
0100	106	42	0	100	46	11	19	0	10	0	14
0200	91	44	0	100	47	11	18	0	11	0	13
0300	38	98	0	100	57	6	20	1	11	0	7
0400	23	106	0	100	58	5	19	2	10	0	7
0500	11	113	0	100	60	5	17	2	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 : **CAHERLEHILLAN STREAM** **22/C/20**
 Tributary of : 22F01 FERTA OS Catchment No: 210
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/9/2007

Formerly North Branch of Ferta River 22F01

Station Nos.	Biological Quality Ratings (Q Values)				
	1990	1994	1996	1998	2007
0100	5	4-5	4-5	4-5	4-5

Assessment: High ecological quality was again recorded at this location which was formerly included as the North Branch of Ferta River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br WSW of Coulagh	57037	83300	83	KY

River and Code : **CARAGH**
 Tributary of : Sea - Castlemaine Harbour
 OS Grid Ref of Confluence: V 675 938
 Date(s) Surveyed: 19/9/2007, 20/9/2007

22/C/02

OS Catchment No: 208

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0200	4	4	4	4-5	4-5	4	-
0300	5	-	-	-	-	-	-
0400	5	5	4-5	4-5	4-5	4-5	4
0500	4-5	-	-	-	-	-	-
0600	5	5	5	5	5	5	5
0680	-	4	3-4	3-4	3-4	3-4	3-4
0700	4	-	-	-	-	-	-

Assessment: Continuing satisfactory at the two locations (0400, 0600) upstream of Caragh Lake but quality again only moderate below the lake (0680) where a large biomass of filamentous algae also indicated the enriched status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br SW of Cloghfune	76021	80760	78	KY
0300	Br u/s Owenroe R confl	0	0	78	KY
0400	Foot-bridge d/s Owenroe R confl	72092	81555	78	KY
0500	Bealalaw Bridge	0	0	78	KY
0600	Blackstones Br	70954	86375	78	KY
0680	1.2km u/s Caragh Br	70074	91800	78	KY
0700	Caragh Br	0	0	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	70	12	100	0	14	0	67	0	0	0	19
0400	40	52	100	0	6	0	58	0	9	2	24
0600	19	107	100	0	5	3	63	0	9	2	17
0680	6	165	97	3	4	5	62	0	9	4	16

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

River and Code : **CARHAN**
 Tributary of : Valentia River
 OS Grid Ref of Confluence: V 484 798
 Date(s) Surveyed: 18/9/2007

22/C/03

OS Catchment No: 211

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0090	-	-	4	-	-	-	-
0100	-	-	-	3-4	3-4	3-4	-
0200	4	4	4	4	3-4	4	3-4
0300	4	-	-	-	-	-	-

Assessment: Slight deterioration since previous survey with the faunal response indicating only moderate status and with a large biomass of filamentous macro-algae confirming the enriched water condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	Br u/s Br N of Canburrin	50563	76617	83	KY
0100	Br N of Canburrin	51037	77143	83	KY
0200	Foot-bridge E of Inchimacteige	51260	79050	83	KY
0300	Br WSW of Carhan Ho	0	0	0	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	70	2	100	0	2	56	39	0	0	0	3
0100	59	4	100	0	5	43	50	0	0	0	2
0200	25	15	100	0	10	11	77	0	0	0	2

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

River and Code : **COOMAGLASLAW LOUGH STREAM** **22/C/19**
 Tributary of : 22B02 BEHY (KERRY) OS Catchment No:209
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/9/2007

Formerly Coomaglaslaw Branch of Behy (Kerry) 22B02

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0400	4	4-5	4	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	First Br d/s Coomaglaslaw L	62455	86766	83	KY

River and Code : **COOMNACARRIG**

22/C/06

Tributary of : 22C02 CARAGH

OS Catchment No: 208

OS Grid Ref of Confluence: V 717 818

Date(s) Surveyed: 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0300	4	4	4-5	4-5	4-5	4-5	4

Assessment: Continuing satisfactory when sampled after recent flood.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Dromalohurt Br	69699	81749	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	122	11	100	0	0	0	93	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 : **COOMNACRONIA LOUGH STREAM** 22/C/18
 Tributary of : 22B02 BEHY (KERRY) OS Catchment No: 209
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/9/2007

Formerly Coomnacronia Lake Branch of Behy (Kerry) 22B02

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0300	4-5	4-5	4	4	4-5	4-5	4-5

Assessment: Continuing satisfactory. Formerly included in Behy system.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br W of Ballynakilly Br	64299	87740	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	60	14	100	0	4	0	50	0	2	6	38

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

River and Code : **COTTONER'S (LAUNE)**

22/C/05

Tributary of : 22L01 LAUNE

OS Catchment No: 207

OS Grid Ref of Confluence: V 667 957

Date(s) Surveyed: 13/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	-	4-5	4-5	4-5	4-5	4-5	4-5
0200	4	-	-	-	-	-	-
0400	4-5	4-5	4-5	4-5	4-5	4-5	-
0500	4	-	-	-	-	-	-
0600	4	4	3-4	3-4	3-4	4	3-4

Assessment: Satisfactory with high ecological status at first location (0100) but deterioration, to moderate status, since previous survey at the other sampling site (0600) which is 200m upstream of the Laune River confluence and where an increase in macro-algae was recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW of Breanlee	76789	86771	78	KY
0200	Br NW of Glancuttaun Upper	0	0	0	KY
0400	Br N of Glancuttaun Lower	77827	91566	78	KY
0500	Ownagarry Br	0	0	0	KY
0600	Br u/s Laune R confl	78526	95437	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	138	5	100	0	0	0	85	0	0	6	9
0400	50	21	100	0	7	0	72	0	11	2	7
0600	4	34	84	16	15	0	68	0	10	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 : **CRINNAGH** 22/C/07
 Tributary of : Upper Lake - Killarney OS Catchment No: 207
 OS Grid Ref of Confluence: V 928 826
 Date(s) Surveyed: 10/5/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0200	5	5	5	5	5	5	4-5

Assessment: Satisfactory but with a very slight decrease in quality since previous survey. Some bank erosion, apparently as a result of tree and scrub clearance, was observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Cromglen Br	92826	82623	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	20	11	100	0	0	8	92	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 22 (2007)

River and Code : **CROAGHANE** **22/C/09**
Tributary of : 22S01 SHANOWEN (KERRY) OS Catchment No: 197
OS Grid Ref of Confluence: R 062 092
Date(s) Surveyed: 7/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2005	2007
0100	4-5	4	4	4	4	4	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Sheheree Br	106386	109862	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	94	5	0	100	62	0	21	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 : **DEENAGH**
 Tributary of : Lough Leane
 OS Grid Ref of Confluence: V 945 902
 Date(s) Surveyed: 9/7/2007

22/D/01
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)										
	1971	1976	1981	1986	1990	1994	1996	1998	2001	2004	2007
0045	-	-	-	-	3-4	3-4	3	3	3	3	3-4
0100	5	4-5	4-5	4	4-5	4	4-5	4	4	4	4
0200	5	5	5	4	4-5	4	4	4	4	4	4
0300	4	4-5	5	4	4-5	-	-	-	-	-	-
0500	-	-	-	-	4-5	-	-	-	-	-	-
0600	-	-	-	-	-	4-5	4	4	-	-	-

Assessment: Mostly satisfactory but continuing less than good quality at uppermost location (0045) despite a slight improvement there since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0045	Br NE of Tulloram	102097	94592	79	KY
0100	Br near Woodpark	98935	93508	78	KY
0200	Deenagh Br	95996	91957	78	KY
0300	King's Br	0	0	0	KY
0500	Second Br d/s King's Br	0	0	0	KY
0600	Br just u/s L Leane	95306	90261	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0045	149	5	0	100	86	0	14	0	0	0	0
0100	93	22	0	100	75	0	20	0	5	0	0
0200	37	29	0	100	76	2	15	0	5	0	1
0600	24	31	0	100	74	3	14	1	5	0	2

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

River and Code : **DERREEN (KERRY)**

22/D/02

Tributary of : Sea at Portmagee

OS Catchment No: O3

OS Grid Ref of Confluence: V 451 742

Date(s) Surveyed: 17/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2004	2007
0100	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological status again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Dereen Br	46623	72388	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	11	13	100	0	42	0	35	0	0	0	23

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

River and Code : **DOGUE**
 Tributary of : 22B03 BROWN FLESK
 OS Grid Ref of Confluence: R 021 023
 Date(s) Surveyed: 11/9/2007

22/D/03
 OS Catchment No: 197

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2005	2007
0300	3	3	4	4	4	4	-
0400	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good ecological status maintained despite an increase in macro-algal biomass since previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ford SW of Carker	104097	101358	72	KY
0400	Dogue Br	102087	102326	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	96	13	0	100	69	0	24	0	1	0	7
0400	71	16	0	100	75	0	18	0	2	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 : **EMLAGH**
 Tributary of : Sea - Castlemaine Harbour
 OS Grid Ref of Confluence: Q 660 006
 Date(s) Surveyed: 4/10/2007

22/E/01

OS Catchment No: t3

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0200	4-5	4-5	4-5	4-5	4-5	4-5	-
0400	4-5	4-5	4-5	4-5	4-5	4-5	4

Assessment: Although good quality was recorded this represents a slight decrease in ecological status since the previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br W of Emlagh	64845	103310	71	KY
0400	Br at Inch	65606	101289	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	75	18	100	0	25	8	52	0	4	0	11
0400	8	22	100	0	25	6	53	0	3	0	12

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

River and Code : **FAHADUFF**
 Tributary of : 22M01 MAINE
 OS Grid Ref of Confluence: Q 985 093
 Date(s) Surveyed: 8/8/2007

22/F/09
 OS Catchment No: 197

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2002	2005	2007
0200	3-4	4	4	4	4	-
0400	3-4	3-4	4	3-4	4	3-4

Assessment: Less than good quality recorded. This location, upstream of confluence with River Maine, has varied between good and moderate status mostly the latter.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Mullaghmarky Br	98988	112248	71	KY
0400	Br u/s Maine R confl	98804	110315	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	58	9	0	100	42	12	15	0	30	0	0
0400	27	11	0	100	53	9	12	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 : **FERTA**
 Tributary of : Valentia River
 OS Grid Ref of Confluence: V 500 801
 Date(s) Surveyed: 18/9/2007

22/F/01
 OS Catchment No: 210

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0700	4	4-5	4	4	4	4	-
0900	4	-	-	-	-	-	-
1000	3	3-4	3-4	3-4	3	3	3-4

Assessment: Continuing less than good quality. This location has varied between poor and moderate status mostly the latter since first sampled in 1990.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Br ENE of Derreenmoria	54882	82239	83	KY
0900	Foilmore Br	52145	82358	0	KY
1000	Deelis Br	50814	81601	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	40	20	100	0	14	2	31	0	1	0	52
1000	2	53	100	0	25	1	45	0	5	0	24

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

River and Code : **FINGLAS (LAUNE)**

22/F/03

Tributary of : 22L01 LAUNE

OS Catchment No: 207

OS Grid Ref of Confluence: V 805 942

Date(s) Surveyed: 13/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2005	2007
0400	5	5	4-5	4	4	4-5	4-5
0700	4	4	4-5	4	4	4-5	-

Assessment: Continuing satisfactory with high ecological status recorded for successive surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Cappagh Br	81077	91442	78	KY
0700	Meanus Br	80388	93993	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	32	6	94	6	32	0	63	0	0	0	5
0700	4	21	37	63	67	0	28	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 : **FINOW** **22/F/04**
 Tributary of : 22F02 FLESK (KERRY) OS Catchment No: 207
 OS Grid Ref of Confluence: W 010 875
 Date(s) Surveyed: 10/7/2007, 11/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	-	5	5	5	4-5	5	4-5
0200	4	-	-	-	-	-	-
0300	4-5	4-5	4-5	4-5	4-5	4-5	3-4

Assessment: Continuing satisfactory upstream of Lough Guitane (0100) but loss of quality, from high status to moderate, since previous survey, at the other sampling site (0300) which is upstream Flesk River confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 0.3km u/s L Guitane	103336	83943	79	KY
0200	Finow Br	0	0	0	KY
0300	Br (Ford) u/s Flesk R confl	100855	87339	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	82	10	69	31	0	0	97	0	2	0	1
0300	54	39	62	38	11	1	60	0	8	8	12

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 22 (2007)

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

22/F/02

Tributary of : Lough Leane

OS Catchment No: 207

OS Grid Ref of Confluence: V 961 882

Date(s) Surveyed: 13/6/2007, 14/6/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1981	1986	1990	1994	1996	1998	2001	2005	2007
0010	-	-	-	-	-	4-5	5	3-4	4	4	4
0040	-	-	-	-	5	4-5	4-5	4-5	4	4-5	4-5
0060	-	-	-	-	5	5	5	5	5	5	5
0070	-	-	-	-	5	-	-	-	-	-	-
0100	5	5	5	5	5	5	5	5	5	5	5
0200	5	5	5	5	4	4	4	4	4	4	-
0250	-	-	5	5	4	4	4-5	4-5	4	4-5	4-5
0275	-	-	-	-	4-5	-	-	-	-	-	-
0300	5	5	5	5	4-5	4-5	4-5	4	4	4	4
0310	5	5	5	5	4-5	3	4-5	3-4	3	4	3

Assessment: Continuing satisfactory except for right-hand-side of river at the final location where deteriorated since previous survey. This location has a history of moderate or poor status due to intermittent sewage storm-overflow discharges. In the latest survey, siltation and remnants of sewage material were recorded there.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	N of Clydaghroe	118905	83730	79	KY
0040	Br u/s Clydagh Br	113760	83596	79	KY
0060	Poulgorm Br	109582	81735	79	KY
0070	Garries Br	0	0	0	KY
0100	Curreal Br	106641	85385	79	KY
0200	Flesk Br, Gortahoosh	103617	87678	79	KY
0250	Ford NE of Faghcullia	100247	87972	79	KY
0275	Br d/s Woodford R confl	0	0	0	KY
0300	Flesk Br, S of Killarney LHS	96719	89433	78	KY
0310	Flesk Br, S of Killarney RHS	96734	89429	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	317	20	100	0	0	28	47	0	0	0	25
0040	217	43	100	0	2	31	49	0	0	0	18
0060	83	71	93	7	6	24	55	0	3	0	12
0100	60	127	94	6	6	16	65	0	2	0	11
0200	59	254	56	44	26	9	53	0	4	0	8
0250	45	304	54	46	26	7	53	0	5	1	8
0300	22	329	50	50	29	7	49	1	5	1	8
0310	22	329	50	50	29	7	49	1	5	1	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 : **GADDAGH**
 Tributary of : 22L01 LAUNE
 OS Grid Ref of Confluence: V 841 937
 Date(s) Surveyed: 10/7/2007

22/G/01
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0300	4	4-5	4-5	5	4-5	4-5	4-5
0400	4	4	4-5	4-5	4	4	-
0500	4	4-5	4	3-4	3-4	3-4	4

Assessment: Satisfactory at both locations following improvement since previous survey at Gortnaskarry Bridge (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Ford SW of Gortboy	82856	88415	78	KY
0400	Gaddagh Br	83836	91571	78	KY
0500	Gortnaskarry Br	83731	93518	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	96	21	100	0	10	0	76	0	2	0	13
0400	25	37	96	4	23	0	62	0	6	0	9
0500	11	42	86	14	32	1	54	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 : **GEARHAMEEN**
 Tributary of : 22O03 OWENREAGH
 OS Grid Ref of Confluence: V 877 819
 Date(s) Surveyed: 9/5/2007

22/G/03
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	-	5	4	4-5	4-5	4-5	4-5
0200	4	-	-	-	-	-	-
0300	5	4-5	4-5	4-5	4-5	4-5	4-5

Assessment: High ecological status again recorded at both locations. .

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Cockow	82407	80967	78	KY
0200	Br W of Ahanillaun	0	0	0	KY
0300	Br u/s Owenreagh R confl	87501	82162	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	65	13	100	0	0	0	79	0	5	0	15
0300	29	31	100	0	2	3	77	0	3	1	14

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

River and Code : **GLANTANE**
 Tributary of : 22B03 BROWN FLESK
 OS Grid Ref of Confluence: R 062 032
 Date(s) Surveyed: 10/9/2007

22/G/07
 OS Catchment No: 197

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2005	2007
0200	4	3-4	4	4	4-5	4	4
0300	4	-	-	-	-	-	-

Assessment: Satisfactory with good ecological status recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Leaha Br	107150	104697	72	KY
0300	Br u/s Brown Flesk R confl	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
0200	135	14	0	100	39	10	29	0	0	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.

Hydrometric Area 22 (2007)

River and Code : **GROIN** 22/G/08
 Tributary of : Castlemaine Harbour OS Catchment No: 198
 OS Grid Ref of Confluence: Q 794 023
 Date(s) Surveyed: 4/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0300	4-5	4	4-5	4	4-5	4	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br E of White Gate Crossroads	78907	103917	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	12	4	100	0	5	0	94	0	0	0	1

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

River and Code : **GWEESTIN**
 Tributary of : 22L01 LAUNE
 OS Grid Ref of Confluence: V 833 948
 Date(s) Surveyed: 12/9/2007

22/G/06
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0300	-	4	4	4-5	4	4	4
0400	4	-	-	-	-	-	-
0600	3	4	3-4	3-4	4	4	4
0800	4	-	-	-	-	-	-
0900	-	4	4	4	4	4	4
1000	4	-	-	-	-	-	-
1200	2-3	3	2-3	3	3	3	3

Assessment: Mostly satisfactory with good ecological status. Improvement recorded at upper Gweestin Bridge (0600) in 2001 has been maintained through successive surveys. Remaining unsatisfactory, with poor ecological status, however, at final location lower Gweestin Bridge (1200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Doneen Br	97002	97701	78	KY
0400	Br E of Ballydeenlea	0	0	0	KY
0600	Gweestin Br	92347	98241	78	KY
0800	Rockfield Br	0	0	0	KY
0900	Br u/s Listry Br	87651	97734	78	KY
1000	Listry Br	0	0	0	KY
1200	Gweestin Br	83778	94948	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	101	11	0	100	60	0	36	0	3	0	0
0600	55	22	0	100	65	0	20	0	15	0	0
0900	31	59	0	100	78	0	7	0	15	0	0
1200	10	67	0	100	78	0	7	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.

River and Code : **LAUNE**
 Tributary of : Sea - Castlemaine Harbour
 OS Grid Ref of Confluence: V 770 994
 Date(s) Surveyed: 12/9/2007

22/L/01

OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)										
	1971	1976	1981	1986	1990	1994	1996	1998	2001	2005	2007
0100	4-5	4-5	4-5	-	4	-	-	-	3-4	-	-
0200	5	4-5	4-5	4-5	4	4	4	4	4	4	4
0300	-	-	4-5	-	4	4	4	4	4	4	4
0400	5	5	5	4	3-4	3-4	3-4	3-4	3-4	4	3-4
0500	5	5	4-5	4	4	-	-	-	-	-	-

Assessment: Mostly satisfactory, with good quality (0200, 0300), but reversion to slightly polluted conditions downstream of Gweestin River confluence (0400) since previous survey in 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Laune Br, d/s L Leane	0	0	0	KY
0200	Beaufort Br	88164	92634	78	KY
0300	Ballymalis Castle	83881	93824	78	KY
0400	1.5km d/s Gweestin R confl	82466	95518	78	KY
0500	Killorglin 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
0200	13	592	57	43	24	9	48	2	4	5	9
0300	8	644	59	41	26	8	48	2	4	4	9
0400	4	749	50	50	34	7	42	1	5	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 : **LITTLE MAINE**
 Tributary of : 22M01 MAINE
 OS Grid Ref of Confluence: Q 953 082
 Date(s) Surveyed: 8/8/2007

22/L/02
 OS Catchment No: 197

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2005	2007
0500	4-5	4	4-5	4	4	4	4
0700	3-4	-	-	-	-	-	-
1000	4	3-4	4	3-4	4	3-4	4

Assessment: Satisfactory, with good quality, following improvement at lower location (1000) where status has been moderate in the past. Also known as Glangeenty River at upper location (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br N of Maglass (Glanageenty R)	93774	112893	71	KY
0700	Br NE of Edenburn Ho	0	0	0	KY
1000	Br u/s Maine R confl	93301	109488	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	41	9	0	100	46	17	28	0	0	0	8
1000	16	10	0	100	50	14	23	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 : **LOE**
 Tributary of : 22L01 LAUNE
 OS Grid Ref of Confluence: V 883 915
 Date(s) Surveyed: 10/7/2007

22/L/03
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	-	3-4	4-5	4-5	5	4-5	-
0400	4	4	4	4	4	4-5	4

Assessment: Continuing satisfactory upstream of Laune River confluence. The uppermost location, which is just downstream of Black Lake, has been dropped from the monitoring programme as it can become dry in some months and hence would not harbour some elements of the macroinvertebrate fauna; it is dependent on the lake level for flow and was completely dry in June 2007 a month before the river was sampled.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br just d/s Black Lake	87690	87792	78	KY
0400	Br u/s Laune R confl	88005	90821	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	100	10	100	0	0	0	83	0	0	0	17
0400	24	16	97	3	11	0	77	0	1	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 : **LOO**
 Tributary of : 22F02 FLESK (KERRY)
 OS Grid Ref of Confluence: W 087 814
 Date(s) Surveyed: 13/6/2007

22/L/04

OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	-	4	4	4	4	4	4
0300	4	-	-	-	-	-	-
0400	4	4	4	3-4	4	4	4

Assessment: Good quality recorded, at both locations, in last three successive surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Agnanus Br	104511	78891	79	KY
0300	Second Br u/s Flesk R confl	0	0	0	KY
0400	Loo Br	108561	81399	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	79	5	99	1	0	20	62	0	0	0	18
0400	64	32	98	2	3	11	74	0	0	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 : **MAINE**
 Tributary of : Sea - Castlemaine Harbour
 OS Grid Ref of Confluence: Q 778 013
 Date(s) Surveyed: 8/8/2007

22/M/01
 OS Catchment No: 197

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1981	1986	1990	1994	1996	1998	2002	2005	2007
0100	-	4-5	4	4	4	-	-	-	-	-	-
0200	-	-	4	4	4	3-4	3-4	3-4	4	3-4	-
0400	3-4	4-5	4	4	3	3-4	3	3	3-4	3-4	3-4
0500	5	4	4-5	4	4	4	3-4	3-4	4	3-4	4
0600	5	5	4-5	4	4	-	3-4	-	-	-	-
0700	-	-	5	4	4	4	-	4	4	3-4	4

Assessment: Mostly satisfactory following improvement at two of the locations (0500, 0700) since previous survey in 2005 but continuing slightly polluted downstream of Castleisland (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 2 km E of Castleisland	101488	109591	72	KY
0200	(East) Br S of Castleisland	100178	109549	72	KY
0400	Br 2km d/s Castleisland	97860	109340	71	KY
0500	Currans Br	93810	106463	71	KY
0600	Maine Br, Currans	89103	104815	71	KY
0700	Br d/s Maine Br	89139	104830	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	36	1	0	100	63	0	0	37	0	0	0
0200	30	45	0	100	68	5	18	2	4	0	4
0400	19	92	0	100	71	4	15	2	6	0	3
0500	10	156	5	95	73	3	12	2	7	0	3
0600	5	316	7	93	70	3	13	2	7	0	5
0700	5	316	7	93	70	3	13	2	7	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 22 (2007)

River and Code : **MEELAGH** **22/M/02**
 Tributary of : 22C02 CARAGH OS Catchment No: 208
 OS Grid Ref of Confluence: V 707 866
 Date(s) Surveyed: 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	4-5	4-5	4-5	4-5	4-5	4	4-5

Assessment: Sampled after flood when again satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Caragh R confl	70052	86278	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	27	14	100	0	0	3	57	0	1	0	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 : **MILLTOWN (KERRY)**

22/M/03

Tributary of : Sea - Dingle Harbour

OS Catchment No: 206

OS Grid Ref of Confluence: Q 435 011

Date(s) Surveyed: 3/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0100	4	4	-	-	-	-	-
0110	-	-	4	4	3-4	3-4	4
0200	3	3	4	4	3	2	2-3
0300	3	3	3	3	3	2-3	4

Assessment: Satisfactory, with good quality, at the first and last sampling locations (0110, 0300) following improvement at both since previous survey. Again unsatisfactory, despite a slight increase in quality, at the middle location where poor status, due to agricultural discharges, was recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glens Br	0	0	0	KY
0110	Br SE of Reenconnell	42967	105894	70	KY
0200	Br E of Gallán	43119	104792	70	KY
0300	Ford SE of Cill Fhiontain	42831	102273	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0110	54	2	100	0	20	0	68	0	2	0	9
0200	35	13	100	0	29	0	42	0	13	0	16
0300	12	21	100	0	34	0	42	0	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 : **OWENALONDRIG**

22/O/01

Tributary of : Sea - Dingle Bay

OS Catchment No: 202

OS Grid Ref of Confluence: Q 490 004

Date(s) Surveyed: 3/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0200	4	4	4	4	4	4	-
0300	4-5	-	-	-	-	-	-
0500	4	4	3-4	4	3	2	4

Assessment: Good quality was recorded at the only location, Bridge in Foheraghmore (0500), which had been seriously polluted in the previous survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Fairy Glen	53742	102058	70	KY
0300	Br in Lispole	0	0	0	KY
0500	Br in Foheraghmore	50820	100429	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	81	7	100	0	17	0	53	0	0	0	30
0500	17	18	100	0	44	0	32	0	0	0	24

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

River and Code : **OWENASCAUL**

22/O/02

Tributary of : Sea - Dingle Bay

OS Catchment No: 200

OS Grid Ref of Confluence: Q 596 003

Date(s) Surveyed: 4/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0050	3	-	-	-	-	-	-
0100	3	-	-	-	-	-	-
0300	4	-	-	-	-	-	-
0400	4-5	-	-	-	-	-	-
0800	4	4	4-5	4-5	4	4	-
0900	4	-	-	-	-	-	-
1000	-	4-5	4-5	4-5	4	4-5	3-4

Assessment: Less than satisfactory, for the first time in its sampling history, when quality was only moderate downstream of Anascaul.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NW of Annagap	0	0	70	KY
0100	Bridge (Ford) W. of Annagap	0	0	70	KY
0300	East Br S.W. of Hermitage	0	0	70	KY
0400	Bridge N. of Annascaul	0	0	70	KY
0800	Br 1.6km u/s Anascaul	59393	103268	70	KY
0900	Br in Anascaul	0	0	70	KY
1000	Br 1.3km d/s Anascaul	59346	101025	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	56	12	100	0	7	0	62	0	0	3	28
1000	9	39	100	0	40	0	33	1	4	1	21

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

River and Code : **OWENREAGH**
 Tributary of : Upper Lake Killarney
 OS Grid Ref of Confluence: V 892 819
 Date(s) Surveyed: 9/5/2007

22/O/03
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0200	4-5	4-5	4-5	4-5	4-5	4-5	-
0400	5	5	5	5	5	5	5

Assessment: Continuing satisfactory with high quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br E of Graignagreana	84009	78588	78	KY
0200	Just u/s trib from Looscaunagh Lough	87629	79496	78	KY
0400	Br u/s Upper Lake	88404	82103	78	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	120	9	100	0	0	0	61	0	9	0	30
0200	91	22	100	0	0	1	65	0	7	0	27
0400	20	62	100	0	1	5	69	0	4	1	20

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

River and Code : **OWENROE (CARAGH)** 22/O/04
 Tributary of : 22C02 CARAGH OS Catchment No: 208
 OS Grid Ref of Confluence: V 728 814
 Date(s) Surveyed: 19/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0200	4-5	4	4	4-5	4-5	4-5	4

Assessment: Satisfactory with good quality recorded when sampled in high flow conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	1.1km u/s Caragh R confl	72882	80908	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	45	29	100	0	0	0	62	0	7	4	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 : **OWGARRIFF (FINOW)**

22/O/06

Tributary of : 22F04 FINOW

OS Catchment No: 207

OS Grid Ref of Confluence: W 008 860

Date(s) Surveyed: 11/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0100	5	5	4-5	4	4-5	4-5	4

Assessment: Continuing satisfactory, with good quality, at the only location sampled which is downstream of Lough Garagarry.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Owgarriff Br	100632	85963	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	70	11	79	21	8	0	44	0	11	3	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 : **OWNEYKEAGH**
 Tributary of : 22F02 FLESK (KERRY)
 OS Grid Ref of Confluence: W 054 868
 Date(s) Surveyed: 11/7/2007

22/O/05

OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0200	4-5	4-5	4-5	4-5	4	4	-
0400	4-5	4	4-5	4-5	4	4-5	4-5

Assessment: Continuing satisfactory upstream of confluence with River Flesk. The alternative spelling of Owneyskeagh is used on some maps for this river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br WNW of Drom	108069	88593	79	KY
0400	Br u/s Flesk R confl	106791	86952	79	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	77	98	16	84	46	2	42	0	8	0	2
0400	60	105	17	83	46	1	41	0	8	0	4

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

River and Code : **QUAGMIRE**
 Tributary of : 22O05 OWNEYKEAGH
 OS Grid Ref of Confluence: W 090 907
 Date(s) Surveyed: 11/7/2007

22/Q/01
 OS Catchment No: 207

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2002	2004	2007
0200	-	4	4-5	4-5	4-5	4	4
0400	4	4	4	4-5	4	4	4-5
0500	4	4-5	4-5	-	-	-	-

Assessment: Continuing satisfactory at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Tooreennamult Br	110341	98438	79	KY
0400	Annagh Br	109629	95047	79	KY
0500	0.5km u/s Owneykeagh R confl	108857	90721	79	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	176	6	0	100	49	1	45	0	0	0	5
0400	126	35	0	100	51	3	35	0	9	0	1
0500	95	61	0	100	49	2	36	0	10	0	2

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

River and Code : **SHANOWEN (KERRY)**

22/S/01

Tributary of : 22M01 MAINE

OS Catchment No: 197

OS Grid Ref of Confluence: R 007 023

Date(s) Surveyed: 7/8/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1976	1981	1985	1990	1994	1996	1998	2002	2005	2007
0020	-	-	-	-	3	3	3	3-4	3-4	4	4
0040	-	-	-	-	3-4	-	-	-	-	-	-
0100	5	4-5	4-5	4	3-4	3-4	4	4	2-3	4	4

Assessment: Good quality maintained at both locations which have been less than satisfactory in the past.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br u/s Cordal Stream	105467	108958	72	KY
0040	Fairfield Br	0	0	0	KY
0100	Br u/s Maine R confl	101349	109064	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	54	10	0	100	61	2	26	0	0	0	11
0100	34	41	0	100	67	5	20	0	3	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 : **TEEROMOYLE STREAM** 22/T/04
 Tributary of : 22F01 FERTA OS Catchment No: 210
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 18/9/2007

Formerly South Branch of Ferta River 22F01

Station Nos.	Biological Quality Ratings (Q Values)						
	1990	1994	1996	1998	2001	2004	2007
0500	4	4-5	4	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory in this tributary stream of the Ferta which was previously called the North Branch of that river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Toon Br	56181	82222	83	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	66	10	100	0	10	3	43	0	0	0	44

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

SWRBD: HYDROMETRIC AREA NO. 22

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

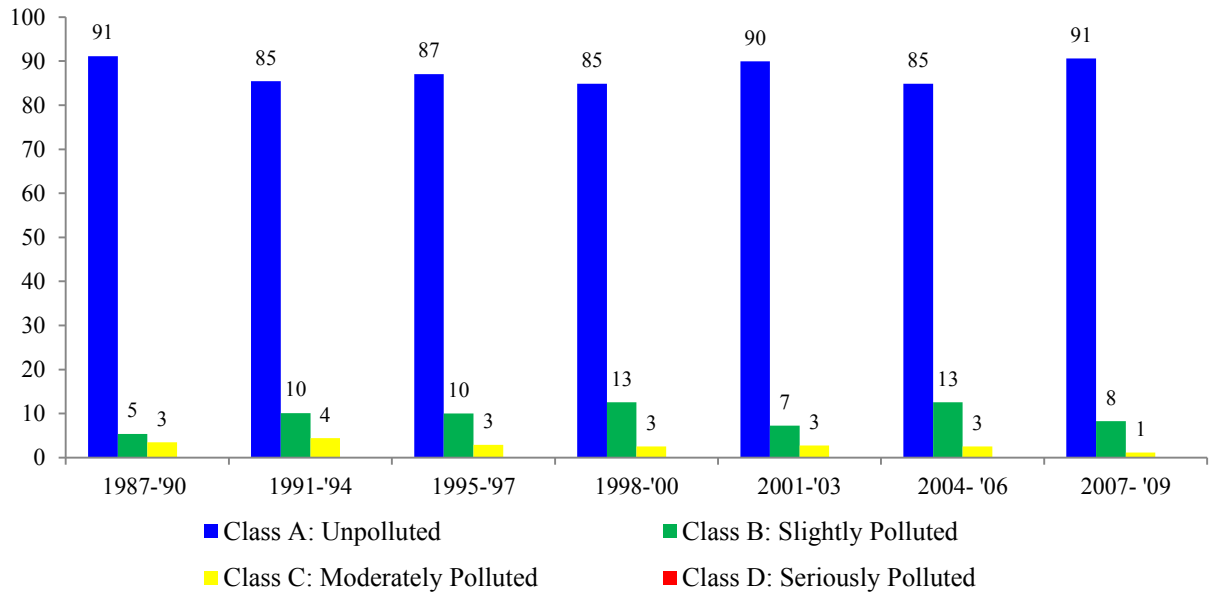
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Beheenagh	2007	22B01	0.0	8.5	0.0	0.0	0.0	8.5
Behy (Kerry)	2007	22B02	5.0	2.5	0.0	0.0	0.0	7.5
Brown Flesk	2007	22B03	0.0	33.0	0.0	0.0	0.0	33.0
Caherlehillan Stream	2007	22C20	2.5	0.0	0.0	0.0	0.0	2.5
Caragh	2007	22C02	5.0	10.5	3.0	0.0	0.0	18.5
Carhan	2007	22C03	0.0	0.0	7.5	0.0	0.0	7.5
Coomaglaslaw Lough Stream	2007	22C19	1.0	0.0	0.0	0.0	0.0	1.0
Coomnacarrig	2007	22C06	0.0	4.5	0.0	0.0	0.0	4.5
Coomnacronia Lough Stream	2007	22C18	3.0	0.0	0.0	0.0	0.0	3.0
Cottoner's (Laune)	2007	22C05	13.0	0.0	0.5	0.0	0.0	13.5
Crinnagh	2007	22C07	7.0	0.0	0.0	0.0	0.0	7.0
Croaghane	2007	22C09	3.0	0.0	0.0	0.0	0.0	3.0
Deenagh	2007	22D01	0.0	10.0	3.0	0.0	0.0	13.0
Derreen (Kerry)	2007	22D02	0.0	4.0	0.0	0.0	0.0	4.0
Dogue	2007	22D03	0.0	5.0	0.0	0.0	0.0	5.0
Emlagh	2007	22E01	0.0	8.0	0.0	0.0	0.0	8.0
Fahaduff	2007	22F09	0.0	4.0	1.0	0.0	0.0	5.0
Ferta	2007	22F01	0.0	6.5	0.0	0.5	0.0	7.0
Finglas (Laune)	2007	22F03	7.0	0.0	0.0	0.0	0.0	7.0
Finow	2007	22F04	6.5	0.0	0.5	0.0	0.0	7.0
Flesk (Kerry)	2007	22F02	32.3	11.8	1.0	0.0	0.0	45.0
Gaddagh	2007	22G01	8.0	4.0	0.0	0.0	0.0	12.0
Gearhameen	2007	22G03	9.0	0.0	0.0	0.0	0.0	9.0
Glantane	2007	22G07	0.0	5.5	0.0	0.0	0.0	5.5
Groin	2007	22G08	4.5	0.0	0.0	0.0	0.0	4.5
Gweestin	2007	22G06	0.0	19.0	0.0	1.0	0.0	20.0
Laune	2007	22L01	0.0	10.0	6.0	0.0	0.0	16.0
Little Maine	2007	22L02	0.0	8.0	0.0	0.0	0.0	8.0
Loe	2007	22L03	0.0	5.5	0.0	0.0	0.0	5.5
Loo	2007	22L04	0.0	6.0	0.0	0.0	0.0	6.0
Maine	2007	22M01	0.0	12.0	7.0	0.0	0.0	19.0
Meelagh	2007	22M02	6.5	0.0	0.0	0.0	0.0	6.5
Milltown (Kerry)	2007	22M03	0.0	1.5	1.0	3.0	0.0	5.5
Owenalondrig	2007	22O01	0.0	7.0	0.0	0.0	0.0	7.0
Owenascaul	2007	22O02	0.0	5.0	2.0	0.0	0.0	7.0
Owenreagh	2007	22O03	13.5	0.0	0.0	0.0	0.0	13.5
Owenroe (Caragh)	2007	22O04	0.0	5.0	0.0	0.0	0.0	5.0
Owgarriiff (Finow)	2007	22O06	0.0	3.0	0.0	0.0	0.0	3.0
Owneykeagh	2007	22O05	4.0	4.5	0.0	0.0	0.0	8.5
Quagmire	2007	22Q01	10.3	2.8	0.0	0.0	0.0	13.0
Shanowen (Maine)	2007	22S01	0.0	6.0	0.0	0.0	0.0	6.0
Teermoyle Stream	2007	22T04	3.0	0.0	0.0	0.0	0.0	3.0
Total Length (km) surveyed this cycle	2007		144.0	213.0	32.5	4.5	0.0	394.0
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
Percentages			36.5	54.1	8.2	1.1	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		357.0	32.5	4.5	0.0	394.0	
Percentages			90.6	8.2	1.1	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		352.0	34.0	5.5	2.5	394.0	
Percentages			89.3	8.6	1.4	0.6		
Changes since Previous Survey (km)			5.0	-1.5	-1.0	-2.5	0.0	

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

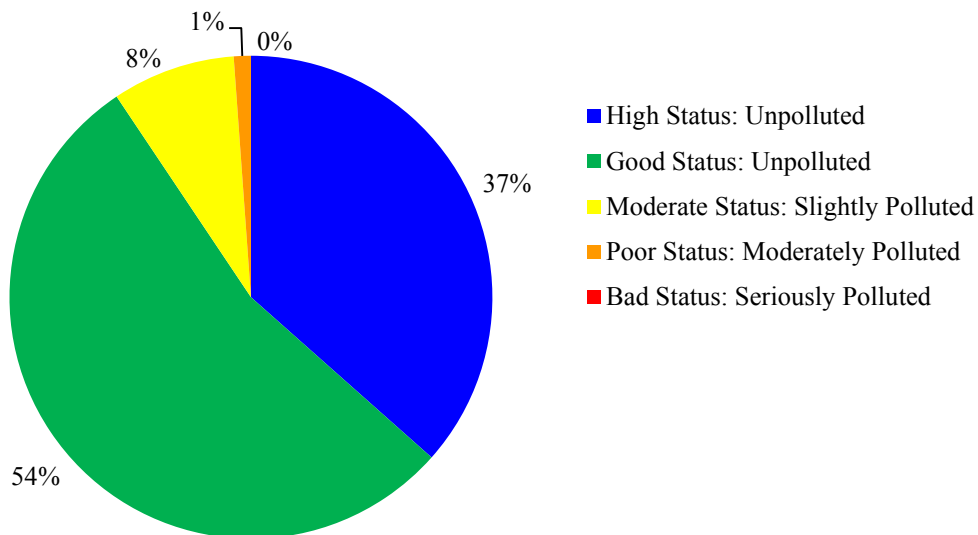
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 22 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 22 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 23 (Tralee Bay – Feale)	
ALLAGHAUN	23A01
BREANAGH	23B02
BRICK	23B03
CAHER (LIMERICK)	23C01
CLOGHANE (OWENMORE) *	23C08
CLYDAGH (FEALE)	23C03
CRUTTIA LOUGH STREAM *	23C11
FEALE	23F01
FEOHANAGH	23F02
FINGLAS	23F03
GALEY	23G01
GLASHACOONCORE	23G02
GLASHOREAG	23G03
GLENACARNEY	23G06
GLENNAHOO	23G05
KNOCKFINNISK	23K02
# LEE (TRALEE)	23L01
LYRACRUMPANE	23L02
MILLTOWN HOUSE STREAM	23M04
OOLAGH	23O01
OWENCASHLA	23O02
OWENMORE (KERRY)	23O03
OWENNAFEANA	23O04
OWVEG (KERRY)	23O05
SCORID	23S01
SMEARLAGH	23S02
TARMON STREAM	23T03
TULLALEAGUE	23T01
TYSHE	23T02

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

* CLOGHANE (OWENMORE) Formerly reported as the Cloghane Branch of the Owenmore (Kerry)

* CRUTTIA LOUGH STREAM Formerly Lough Cruttia Branch of Owenmore Kerry
23O03

River and Code : **ALLAGHAUN**

23/A/01

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 113 272

Date(s) Surveyed: 23/7/2007, 24/7/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1989	1993	1996	1998	2001	2005	2007	
0200	-	4	-	4-5	4	4	4	-	
0400	-	4	4	4-5	4	3-4	4	4	
0500	-	4	4	4	4	4	4	4	
0600	-	4	3-4	-	-	-	-	-	
0700	-	4	-	4	4	4	4	4	
0900	4-5	3-4	4	4	4	4	4	4	

Assessment: Continuing satisfactory throughout with improvement maintained at Tour Bridge (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br S of Dromore	124614	124001	72	LK
0400	Tour Br	122120	124715	72	LK
0500	Br N of Glengort	118360	124947	72	LK
0600	Goulburn Br	0	0	0	LK
0700	Ford NW of Dromtrasna	115998	126886	72	LK
0900	Allaghaun Br (Abbeyfeale)	111357	127220	72	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	182	12	0	100	35	43	11	0	4	0	8
0400	145	29	0	100	37	34	14	0	9	0	7
0500	110	48	0	100	53	21	14	0	7	0	5
0700	79	96	0	100	65	13	11	0	7	0	4
0900	51	113	0	100	67	11	11	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 : **BREANAGH**
 Tributary of : 23F01 FEALE
 OS Grid Ref of Confluence: R 173 155
 Date(s) Surveyed: 29/8/2007

23/B/02
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2005	2007
0100	-	-	4	4	4	4	-
0200	4	4	-	-	-	-	-
0300	4	4	3-4	4	4	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glenlahan Br	116390	110982	72	CK
0200	Cloghvoula Br	0	0	0	CK
0300	Breanagh Br	117308	115471	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	224	6	0	100	19	26	27	0	10	0	18
0300	146	28	0	100	25	12	32	0	10	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 : **BRICK**
 Tributary of : 23F01 FEALE
 OS Grid Ref of Confluence: Q 896 338
 Date(s) Surveyed: 9/8/2007

23/B/03
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2005	2007
0100	4	4	4-5	4	4	4	4
0200	4	4	-	-	-	-	-
0300	3-4	4	4	4	4	4	4
0400	3-4	4	3-4	3-4	3	3-4	4

Assessment: All locations were satisfactory following improvement at final one (0400) since previous survey. Also known as Shanow River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SE of Glanballyma	91611	123751	71	KY
0200	Br to S of Kilflynn	0	0	0	KY
0300	Shanow Br	86419	123625	71	KY
0400	Br W of Garrynagore	87844	125482	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	79	6	0	100	37	0	48	0	0	0	15
0300	13	30	0	100	49	0	23	0	3	0	25
0400	7	70	0	100	62	0	13	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 : **CAHER (LIMERICK)**

23/C/01

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 159 188

Date(s) Surveyed: 28/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2005	2007
0100	4	4-5	4-5	4	3-4	4	-
0200	4	4-5	-	-	-	-	-
0300	-	-	4	4	3-4	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Caher Br	117479	119646	72	LK
0200	Br u/s Feale River confl	116043	118999	0	LK
0300	Just u/s Feale R confl	115777	118914	72	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	148	15	0	100	42	22	22	0	11	0	2
0300	116	17	0	100	43	19	19	0	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 : **CLOGHANE (OWENMORE)** **23/C/08**
 Tributary of : 23O03 OWENMORE (KERRY) OS Catchment No: 203
 OS Grid Ref of Confluence: Q 495 083
 Date(s) Surveyed: 2/10/2007

Formerly reported as the Cloghane Branch of the Owenmore (Kerry)

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0200	4	5	4-5	4-5	4-5	4	4

Assessment: Continuing satisfactory. A lake effect, with moderate amounts of filamentous algae, is consistently recorded downstream of Lough Gal (Geal) which is usually most pronounced in late summer and autumn. Formerly included as part of Owenmore River (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	0.5 km d/s L Gal	48674	106961	70	KY

River and Code : **CLYDAGH (FEALE)**

23/C/03

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 138 202

Date(s) Surveyed: 29/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2005	2007
0200	4	4	4-5	4	4-5	4	4
0400	3-4	4	4	-	-	-	-
0450	-	-	-	-	3	3-4	-
0500	4	4	4-5	4	4	4	4

Assessment: Continuing satisfactory, with good quality, at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Scalp Br	112022	114614	72	KY
0400	Br W of Brosna	113209	118587	72	KY
0450	0.5 km d/s Brosna	113307	118866	0	KY
0500	Clydagh Br	113694	119946	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	170	23	0	100	7	32	24	0	2	0	35
0400	118	39	0	100	25	22	22	0	4	0	28
0500	102	41	0	100	25	21	21	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 : **CRUTTIA LOUGH STREAM** 23/C/11
 Tributary of : 23O03 OWENMORE (KERRY) OS Catchment No: 203
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 2/10/2007

Formerly Lough Cruttia Branch of Owenmore Kerry 23O03

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0100	5	5	5	4-5	5	4-5	4-5

Assessment: Continuing satisfactory, with high quality, downstream of Lough Cruttia (Cruite). Formerly included as part of Owenmore River (0100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br d/s L. Cruite	49161	108563	70	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	4	100	0	0	0	47	0	3	6	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 : **FEALE**

23/F/01

Tributary of : Sea - Mouth of the Shannon

OS Catchment No: 194

OS Grid Ref of Confluence: Q 896 338

Date(s) Surveyed: 28/8/2007, 29/8/2007, 30/8/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1975	1979	1982	1984	1986	1987	1989	1991	1996	1998	2001	2005	2007
0020	-	-	-	-	-	-	4	-	4-5	4-5	4	4	4	4
0040	-	-	-	-	-	-	-	-	-	4-5	4-5	4-5	4	-
0100	5	5	5	-	4	3-4	3-4	-	4-5	-	-	-	-	-
0120	-	-	-	-	-	-	-	-	-	4	4	4	4	4
0200	5	5	5	-	4	4-5	4	-	4-5	4-5	4-5	4	4	4
0300	5	5	4-5	-	4	4	4	-	4	-	-	-	-	-
0310	5	5	4-5	-	4	4	4	-	4	2	3	2-3	4	4
0320	5	5	4-5	-	4	4	4	-	4	4	4	4	4	4
0400	5	5	4	-	4-5	4-5	4	-	4-5	-	-	-	-	-
0500	5	5	5	-	4	4-5	4	-	4-5	4	4	4	4	4-5
0550	-	-	-	-	-	-	-	-	-	4	4	4-5	4	4
0600	5	5	4-5	4-5	4	4-5	4	-	4	3-4	4	4	4	4
0700	-	-	-	2	2	3	3	-	3	3	3	-	-	-
0705	4	4	4	-	-	-	3	-	-	-	-	-	-	-
0710	-	-	-	4	3	4	3	-	4	3-4	4	-	-	-
0725	-	-	-	-	-	-	-	-	-	-	3-4	3-4	4	4
0750	-	-	-	2	2	2	2-3	3	3-4	-	-	-	-	-
0800	4-5	3-4	3	2-3	2-3	2	2	3	3	3	3	3-4	3-4	3-4

Assessment: Satisfactory apart from final station (0800), located downstream of Listowel, where again slightly polluted (moderate quality). The improvement in Abbeyfeale (0310) recorded in the previous survey has been maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br at Rockchapel	121954	115917	72	CK
0040	Ford u/s Breanagh R confl	117708	115257	72	CK
0100	Mountcollins Br	115750	118728	72	LK
0120	Just d/s Caher R confl	115686	119158	72	LK
0200	Wellesley Br	109635	123109	72	KY
0300	Bridge in Abbeyfeale	111301	126900	72	KY
0310	0.2 km d/s Br in Abbeyfeale (RHS)	111301	127175	72	LK
0320	0.2 km d/s Br in Abbeyfeale (LHS)	111301	127175	72	LK
0400	2.3 km d/s Abbeyfeale	109499	128085	72	KY
0500	Duag Br	107185	130582	64	KY
0550	Shanacool	104281	132956	64	KY
0600	Listowel Br	99546	133239	63	KY
0700	2 km d/s Listowel Br (RHS)	98640	133755	63	KY
0705	2 km d/s Listowel Br (MID)	0	0	0	KY
0710	2 km d/s Listowel Br (LHS)	98625	133750	63	KY
0725	0.1km d/s Racecourse Foot-bridge	98146	133586	63	KY
0750	Weir SW of Greenville	0	0	0	KY
0800	Finuge Br	95111	132113	63	KY

Hydrometric Area 23 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	197	28	0	100	27	24	32	0	6	0	11
0040	147	60	0	100	37	23	24	0	4	0	12
0100	116	102	0	100	38	17	23	0	7	0	14
0120	113	120	0	100	39	17	23	0	9	0	12
0200	75	208	0	100	42	15	21	0	8	0	13
0300	51	304	0	100	46	11	23	0	8	0	11
0310	51	304	0	100	46	11	23	1	8	0	11
0320	51	304	0	100	46	11	23	1	8	0	11
0400	44	462	0	100	51	11	20	0	8	0	9
0500	35	477	0	100	52	11	20	0	8	0	9
0550	26	502	0	100	53	11	19	0	8	0	9
0600	17	647	0	100	49	11	24	0	7	0	9
0700	11	653	0	100	49	11	23	1	7	0	9
0710	11	653	0	100	49	11	23	1	7	0	9
0725	10	653	0	100	49	11	23	1	7	0	9
0800	7	659	0	100	49	11	23	1	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 : **FEOHANAGH**
 Tributary of : Sea - Smerwick Harbour
 OS Grid Ref of Confluence: Q 388 097
 Date(s) Surveyed: 3/10/2007

23/F/02
 OS Catchment No: 205

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0100	5	5	5	5	4-5	4	-
0300	5	4-5	-	-	-	-	-
0500	5	4-5	4	4	4-5	4	4

Assessment: Continuing satisfactory with good quality at the only location examined which was high quality twenty years previously.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Droichead an Bhaile Bhric	42099	108866	70	KY
0300	0.5 km u/s Ballyganneenbeg Br	0	0	0	KY
0500	Br at Feohanagh	39400	109821	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	61	11	100	0	3	0	30	0	3	0	64
0500	1	30	100	0	31	0	32	0	1	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 : **FINGLAS**
 Tributary of : Sea - Tralee Bay
 OS Grid Ref of Confluence: Q 701 103
 Date(s) Surveyed: 2/10/2007

23/F/03

OS Catchment No: t3

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1996	1998	2002	2004	2007
0400	5	5	4-5	4-5	5	4-5

Assessment: Continuing satisfactory with high ecological quality again recorded in the latest survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br d/s Curraduff Br	69867	109708	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	15	15	100	0	18	0	72	1	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.

Hydrometric Area 23 (2007)

River and Code : **GALEY**
 Tributary of : 23F01 FEALE
 OS Grid Ref of Confluence: Q 907 331
 Date(s) Surveyed: 25/7/2007

23/G/01
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1982	1986	1989	1993	1996	1999	2001	2005	2007
0100	5	5	5	-	4-5	4-5	4	4	4	4	4	-
0200	5	5	5	-	4-5	4	4	4	4	4	4	4
0300	-	-	-	-	3-4	4	3-4	3-4	3-4	4	4	4
0400	5	5	4-5	3-4	3-4	3-4	3-4	3-4	3-4	3-4	3-4	4
0450	-	-	-	3-4	3-4	3-4	-	4	4	3-4	3-4	-
0500	-	-	4	3	3	3	3	3	3-4	4	4	3-4
0600	-	-	-	3-4	3	3	3	-	-	-	-	-
0700	5	5	4-5	3-4	3	3	3	3	3	3	3	3

Assessment: Mostly satisfactory, with good quality, but only moderate quality at the penultimate location (0500) and with continuing poor quality at the final one (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Athea Br	112647	135043	64	LK
0200	Br d/s Athea	110706	136398	64	LK
0300	Ahavoher Br	106925	137076	64	KY
0400	Galey Br	104424	138371	64	KY
0450	Br SW of Pollagh	101234	139545	64	KY
0500	Shrone Br	97690	137241	63	KY
0600	Inch Br	0	0	0	KY
0700	Drummurrin Br	94157	134331	63	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	70	36	0	100	28	27	14	0	10	0	19
0200	51	60	0	100	36	21	18	0	7	0	17
0300	33	90	0	100	44	16	22	0	5	0	13
0400	24	124	0	100	51	11	21	0	6	0	10
0450	17	172	0	100	56	8	21	0	6	0	8
0500	13	185	0	100	58	8	20	0	7	0	7
0700	8	202	0	100	59	7	21	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 : **GLASHACOONCORE**

23/G/02

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 112 214

Date(s) Surveyed: 12/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2005	2007
0100	-	-	4-5	4	4	4	-
0200	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br WSW of Meenyvoughaun	109118	119276	72	KY
0200	Glashaconcore Br	110966	121421	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	135	9	0	100	28	14	43	0	13	0	2
0200	88	14	0	100	46	9	29	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 23 (2007)

River and Code : **GLASHOREAG**
 Tributary of : 23S02 SMEARLAGH
 OS Grid Ref of Confluence: Q 980 195
 Date(s) Surveyed: 26/7/2007

23/G/03
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2004	2007
0200	4	4	4	3-4	4	4-5	3-4

Assessment: Deterioration since previous survey with only moderate ecological quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Ivy Br	97335	119638	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	145	17	0	100	0	16	56	0	7	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 : **GLENACARNEY**

23/G/06

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 192 149

Date(s) Surveyed: 29/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2005	2007
0300	4	4	4-5	4	4	4	4

Assessment: Continuing satisfactory with good quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Glenacarney Br	119127	114941	72	CK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	160	20	0	100	37	28	13	0	0	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 : **GLENNAHOO**
 Tributary of : 23S01 SCORID
 OS Grid Ref of Confluence: Q 538 113
 Date(s) Surveyed: 2/10/2007

23/G/05
 OS Catchment No: 201

Station Nos.	Biological Quality Ratings (Q Values)					
	1991	1996	1998	2002	2004	2007
0100	4-5	-	-	-	-	-
0200	4-5	4-5	4-5	4-5	3-4	4

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

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br at Drehidgortanaha	0	0	0	KY
0200	Br u/s Scorid R confl	53850	111270	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	2	13	100	0	14	0	49	0	0	0	37

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 23 (2007)

River and Code : **KNOCKFINNISK**

23/K/02

Tributary of : 23G01 GALEY

OS Catchment No: 194

OS Grid Ref of Confluence: R 119 363

Date(s) Surveyed: 25/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1999	2001	2005	2007
0100	4	4	4	4	4	4	4

Assessment: Continuing satisfactory with good quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Galey R confl	112375	136517	64	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	63	18	0	100	37	16	32	0	3	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 : **LEE (TRALEE)**
 Tributary of : Sea - Tralee Bay
 OS Grid Ref of Confluence: Q 815 132
 Date(s) Surveyed: 8/8/2007, 9/8/2007

23/L/01
 OS Catchment No: 196

Station Nos.	Biological Quality Ratings (Q Values)							
	1985	1987	1991	1996	1998	2001	2004	2007
0030	-	3	3	2	3	2	3-4	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: Bad ecological quality was again recorded on right-hand side of river at Ahnambraher Bridge (0030), as it was in 2001 and 1996, with grossly polluted conditions caused by suspected agricultural waste. Quality was good upstream of Tralee (0050) and moderate in the town (0100).

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.

River and Code : **LYRACRUMPANE**

23/L/02

Tributary of : 23S02 SMEARLAGH

OS Catchment No: 194

OS Grid Ref of Confluence: Q 982 232

Date(s) Surveyed: 26/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2004	2007
0100	4	4	4	4	4	4-5	4

Assessment: Continuing satisfactory with good quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Smearlagh R confl	98121	123176	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	110	12	0	100	8	16	72	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 : **MILLTOWN HOUSE STREAM** **23/M/04**
 Tributary of : Shanow or Brick river OS Catchment No: 194
 OS Grid Ref of Confluence: Q 860 253
 Date(s) Surveyed: 1/10/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2005	2007
0100	4	3	4	3	4	4

Assessment: Satisfactory with good quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SW of Abbeydorney	84354	122570	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	18	7	0	100	80	0	10	0	10	0	0

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

River and Code : **OOLAGH**
 Tributary of : 23F01 FEALE
 OS Grid Ref of Confluence: R 108 278
 Date(s) Surveyed: 24/7/2007

23/O/01
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2005	2007
0200	-	-	4-5	4	4	4	4
0300	4-5	4	-	-	-	-	-
0500	4-5	4	4	4	4	4	4

Assessment: Continuing satisfactory with good quality recorded at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Oolagh Br	115032	130920	64	LK
0300	Oolagh Br	0	0	0	LK
0500	Br u/s Feale R confl	111373	128310	72	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	115	19	0	100	28	27	41	0	0	0	4
0500	60	33	0	100	35	16	32	0	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 : **OWENCASHLA**

23/O/02

Tributary of : Sea - Tralee Bay

OS Catchment No: 199

OS Grid Ref of Confluence: Q 653 114

Date(s) Surveyed: 2/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0300	4	4-5	4-5	4-5	4	4	4

Assessment: Good quality but with an increase in filamentous algae recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	First Br u/s Sea	64757	111353	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	12	16	100	0	7	16	77	0	0	0	1

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

River and Code : **OWENMORE (KERRY)**

23/O/03

Tributary of : Sea - Brandon Bay

OS Catchment No: 203

OS Grid Ref of Confluence: Q 513 110

Date(s) Surveyed: 2/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0300	5	5	5	5	5	5	5

Assessment: High ecological quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br at Boherboy	51285	110745	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	2	30	100	0	0	0	62	0	4	1	33

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

River and Code : **OWENNAFEANA**

23/O/04

Tributary of : Sea - Brandon Bay

OS Catchment No: 204

OS Grid Ref of Confluence: Q 524 146

Date(s) Surveyed: 3/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0100	4	4-5	4-5	4-5	4-5	4	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	Teer Br	51756	113899	70	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	31	12	100	0	3	0	88	0	1	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 : **OWVEG (KERRY)**

23/O/05

Tributary of : 23F01 FEALE

OS Catchment No: 194

OS Grid Ref of Confluence: R 089 233

Date(s) Surveyed: 12/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2005	2007
0200	4	4	4	4	4	4	4
0350	4	4	4	4	4	4	-
0400	4	4	-	-	-	-	-
0500	4	4	4	4	4	4	4

Assessment: Good quality again recorded at both locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Owveg Br	107320	117842	72	KY
0350	Ford just d/s Tullaleague R confl	107078	120397	72	KY
0400	Br d/s Glena R confl	0	0	72	KY
0500	Bateman's Br	108621	123290	72	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	121	19	0	100	28	6	41	0	6	0	20
0350	97	58	0	100	41	4	37	0	6	0	12
0500	71	75	0	100	48	3	34	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 : **SCORID**
 Tributary of : Sea - Brandon Bay
 OS Grid Ref of Confluence: Q 537 114
 Date(s) Surveyed: 2/10/2007

23/S/01
 OS Catchment No: 201

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2002	2004	2007
0100	4-5	4-5	-	-	-	-	-
0200	-	-	4-5	4-5	4-5	4-5	4-5
0300	4-5	4-5	-	-	-	-	-

Assessment: Continuing satisfactory with high quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Kilmore Br	0	0	0	
0200	Br E of Kilmurry	53318	110144	70	KY
0300	Br u/s Glennahoo R confl	0	0	0	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	20	14	100	0	3	0	62	0	10	2	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 : **SMEARLAGH**
 Tributary of : 23F01 FEALE
 OS Grid Ref of Confluence: R 030 330
 Date(s) Surveyed: 24/7/2007

23/S/02
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0300	-	-	4-5	4	4	4-5	4
0400	4-5	4	4-5	4-5	4-5	4-5	4
0500	4	4	4	4	4	4	4
0700	3-4	4	4	4	4	4	4
0710	-	3	4	4	4	4	-

Assessment: Continuing satisfactory with good quality recorded at all four locations.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br SE of Reanagowan Crossroads	97580	118967	71	KY
0400	Br u/s Lyracrumpane R confl	98350	123279	71	KY
0500	Br NE of Gortacloghane	101400	126612	72	KY
0700	Ford u/s Feale R confl	102540	132324	64	KY
0710	Kennelly's Br	102540	132324	64	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	151	18	0	100	4	34	44	0	3	0	14
0400	106	51	0	100	4	23	48	0	10	0	15
0500	70	85	0	100	13	21	50	0	6	0	10
0700	29	128	0	100	28	14	43	0	6	0	9
0710	29	128	0	100	28	14	43	0	6	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 : **TARMON STREAM**

23/T/03

Tributary of : 23G01 GALEY

OS Catchment No: 194

OS Grid Ref of Confluence: R 017 400

Date(s) Surveyed: 25/7/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1996	1999	2001	2005	2007
0500	3-4	3	3	3	3	3

Assessment: Continuing unsatisfactory with poor quality again recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Gabbetts Br	101845	140144	64	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	20	15	0	100	62	0	29	0	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 : **TULLALEAGUE**
 Tributary of : 23O05 OWVEG (KERRY)
 OS Grid Ref of Confluence: R 089 233
 Date(s) Surveyed: 12/7/2007

23/T/01
 OS Catchment No: 194

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1998	2001	2005	2007
0100	3-4	4	3-4	3-4	3-4	3-4	3-4
0200	4	4	-	-	-	-	-

Assessment: Less than satisfactory with moderate quality again recorded. Also known as Knocknagashel Stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Talbot's Br	105843	119472	72	KY
0200	Just u/s Owveg R confl	0	0	0	

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	120	14	0	100	33	6	48	0	0	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.

Hydrometric Area 23 (2007)

River and Code : **TYSHE**
 Tributary of : Sea - Banna Strand
 OS Grid Ref of Confluence: Q 748 247
 Date(s) Surveyed: 1/10/2007

23/T/02

OS Catchment No: 195

Station Nos.	Biological Quality Ratings (Q Values)									
	1987	1988	1989	1993	1994	1996	1998	2001	2005	2007
0100	1	1	2-3	1	2-3	3	-	-	-	-
0400	1	2	2-3	3	-	3	3	3	3	3-4
0500	1	2-3	3	3	-	3	-	-	-	-

Assessment: Some improvement, since previous surveys, but continuing less than satisfactory with only moderate quality recorded.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Monoona Br	81715	121243	71	KY
0400	West Br, Ardfert	78433	121236	71	KY
0500	Br nr Banna House	76016	122419	71	KY

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	28	0	0	100	100	0	0	0	0	0	0
0400	8	9	0	100	82	0	0	8	9	0	0
0500	1	22	0	100	72	0	0	4	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.

SHIRBD: HYDROMETRIC AREA NO. 23

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.

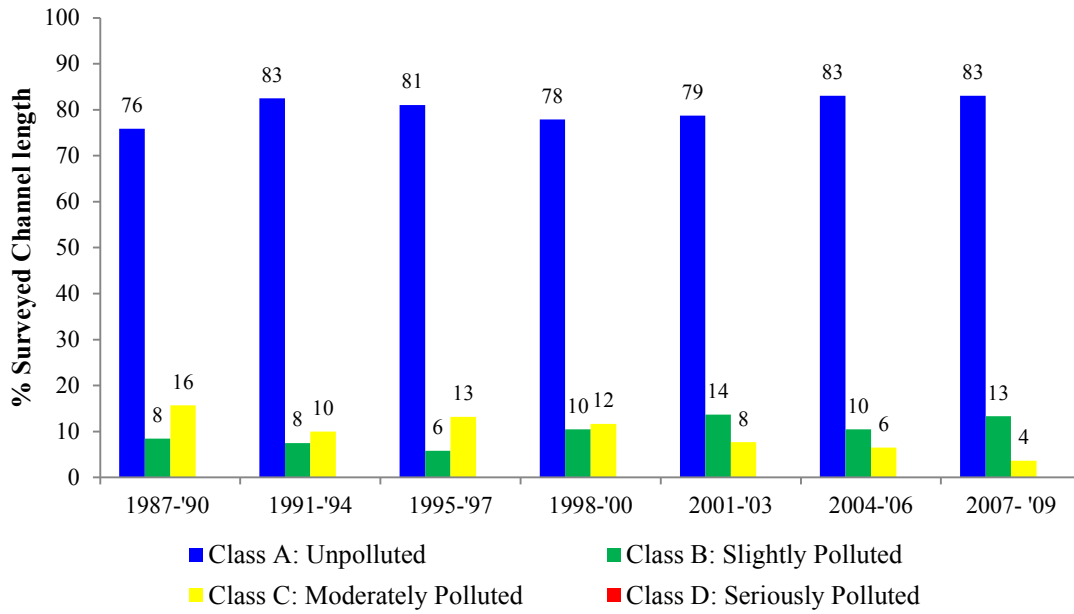
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Allaghaun	2007	23A01	0.0	23.0	0.0	0.0	0.0	23.0
Breanagh	2007	23B02	0.0	5.5	0.0	0.0	0.0	5.5
Brick	2007	23B03	0.0	11.0	0.0	0.0	0.0	11.0
Caher (Limerick)	2007	23C01	0.0	4.0	0.0	0.0	0.0	4.0
Cloghane (Owenmore)	2007	23C08	0.0	2.5	0.0	0.0	0.0	2.5
Clydagh (Feale)	2007	23C03	0.0	9.0	0.5	0.0	0.0	9.5
Cruttia Lough Stream	2007	23C11	2.0	0.0	0.0	0.0	0.0	2.0
Feale	2007	23F01	7.5	44.5	8.0	0.0	0.0	60.0
Feohanagh	2007	23F02	0.0	7.0	0.0	0.0	0.0	7.0
Finglas	2007	23F03	3.5	0.0	0.0	0.0	0.0	3.5
Galey	2007	23G01	0.0	27.5	10.1	4.4	0.0	42.0
Glashacooncore	2007	23G02	0.0	6.0	0.0	0.0	0.0	6.0
Glashoreag	2007	23G03	0.0	0.0	5.5	0.0	0.0	5.5
Glenacarne	2007	23G06	0.0	6.0	0.0	0.0	0.0	6.0
Glennahoo	2007	23G05	0.0	5.5	0.0	0.0	0.0	5.5
Knockfinnisk	2007	23K02	0.0	7.0	0.0	0.0	0.0	7.0
Lee (Tralee)	2007	23L01	0.0	7.5	2.5	1.0	0.0	11.0
Lyracrumpane	2007	23L02	0.0	3.0	0.0	0.0	0.0	3.0
Milltown House Stream	2007	23M04	0.0	1.0	0.0	0.0	0.0	1.0
Oolagh	2007	23O01	0.0	12.5	0.0	0.0	0.0	12.5
Owencashla	2007	23O02	0.0	7.0	0.0	0.0	0.0	7.0
Owenmore (Kerry)	2007	23O03	4.0	0.0	0.0	0.0	0.0	4.0
Owennafeana	2007	23O04	0.0	4.5	0.0	0.0	0.0	4.5
Owveg (Kerry)	2007	23O05	0.0	11.0	0.0	0.0	0.0	11.0
Scorid	2007	23S01	5.0	0.0	0.0	0.0	0.0	5.0
Smearlagh	2007	23S02	0.0	22.5	0.0	0.0	0.0	22.5
Tarmon Stream	2007	23T03	0.0	0.0	0.0	5.5	0.0	5.5
Tullaleague	2007	23T01	0.0	0.0	6.0	0.0	0.0	6.0
Tyshe	2007	23T02	0.0	0.0	7.5	0.0	0.0	7.5
Total Length (km) surveyed this cycle	2007		22.0	227.5	40.1	10.9	0.0	300.5
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			7.3	75.7	13.3	3.6	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		249.5	40.1	10.9	0.0	300.5	
<i>Percentages</i>			83.0	13.3	3.6	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		249.5	31.5	19.5	0.0	300.5	
<i>Percentages</i>			83.0	10.5	6.5	0.0		
Changes since Previous Survey (km)			0.0	8.6	-8.6	0.0	0.0	

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

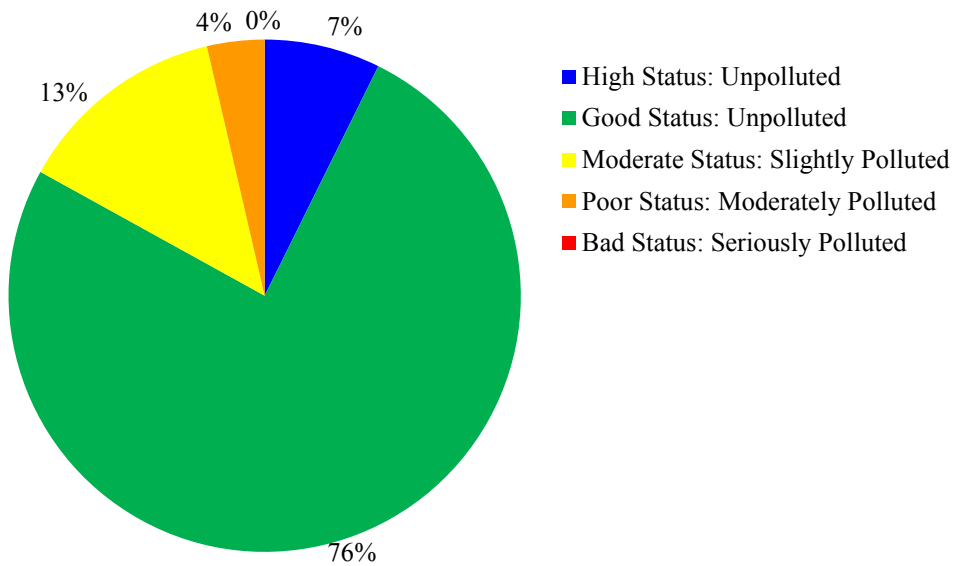
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 23 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 23 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 27 (Shannon Estuary North)	
BALLYMACOODA LOUGH STREAM *	27B01
BALLYNACALLY	27B04
BROADFORD	27B02
CARROWNANELLY	27C07
CASTLELODGE	27C01
CLAREEN (FERGUS)	27C06
CLOON (CLARE)	27C02
CLOONDANAGH LOUGH STREAM	27C13
CLOONEEN (CLARE)	27C03
CLOVERHILL STREAM	27C10
CRAGGAUNBOY	27C04
CRATLOE	27C08
CROMPAUN (EAST)	27C09
CROMPAUN (WEST)	27C05
CULLAUN *	27C14
DOONAHA	27D01
DRUMINSHIN	27D02
FERGUS	27F01
GOURNA	27G02
HELL	27H01
INCH (CLARE)	27I01
KILCARROL STREAM *	27K06
KILMORE NORTH STREAM	27K04
LAGHTYSHAUGHNESSY LOUGH STREAM *	27L03
LISKENNY	27L01
LISSYCASEY STREAM *	27L04
MILL BROOK	27M03
MOYARTA	27M01
MOYREE	27M02
OWENOGARNEY	27O01
OWENSLIEVE	27O02
RINE	27R01
SHALLEE	27S01
SPANCELHILL	27S03
TARMON LOUGH STREAM *	27T02
WOOD	27W01

* BALLYMACOODA LOUGH STREAM Formerly Ballymacooda Lough Branch of Clareen (Fergus)

* KILCARROL STREAM Previously reported as part of the Wood 27W01

* LAGHTYSHAUGHNESSY LOUGH STREAM Previously reported as part of the Castlelodge (27C01)

* LISSYCASEY STREAM Previously reported as part of the Owenslieve 27O02

* TARMON LOUGH STREAM Previously reported as part of the Crompaun (West) 27C05

River and Code : **BALLYMACOODA LOUGH STREAM** **27/B/01**
 Tributary of : 27C06 CLAREEN (FERGUS) OS Catchment No: 17
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 5/9/2007

Formerly Ballymacooda Lough Branch of Clareen (Fergus)

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	1998	2001	2004	2007
0100	3	3	-	-	-	-
0300	3	3	-	-	-	-
0500	4	2-3	4	3-4	4	3-4

Assessment: The Ballymacooda Lough Stream had deteriorated again in quality when surveyed in early September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge d/s Ballymacooda L	127804	172168	0	CE
0300	Bridge N.E. of Darragh	129658	172173	0	CE
0500	Br at Ballyvullaghan	130699	170928	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	12	2	0	100	99	0	0	0	1	0	0

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

River and Code : **BALLYNACALLY**

27/B/04

Tributary of : Sea - Fergus Estuary

OS Catchment No: 158

OS Grid Ref of Confluence: R 295 638

Date(s) Surveyed: 5/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1997	2000	2001	2005	2007
0200	4	4	4-5	4	4	3-4

Assessment: Unsatisfactory. A deterioration in status compared with 2005 was noted in the Ballynacally in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Upstream Br Ballynacally	127808	163437	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	22	8	0	100	97	0	2	0	0	0	1

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

River and Code : **BROADFORD**
 Tributary of : Doon Lough
 OS Grid Ref of Confluence: R 554 736
 Date(s) Surveyed: 22/8/2007

27/B/02
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2005	2007
0300	5	5	4-5	5	4-5	4-5	4-5
0500	4	5	2-3	3	1-2	2	3-4
0600	4-5	4	4	4	3-4	4-5	4-5
0700	4-5	5	-	-	-	-	-
0800	5	4	4	4	4	4-5	4-5

Assessment: A major improvement in the quality of the Broadford was noted at Scott's Bridge which is now slightly polluted. The serious pollution recorded here since 2001 had receded. The remainder of the river was in satisfactory condition, reaching high status in the lower sections (0600, 0800).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Just u/s South Branch confl	161045	172072	58	CE
0500	Scott's Bridge	161019	172083	58	CE
0600	Near Graffa Bridge	159231	171945	58	CE
0700	Bridge in Broadford	157335	172805	0	CE
0800	Bridge u/s Doon Lough	155663	173446	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	40	9	100	0	70	6	15	2	4	0	4
0500	40	14	100	0	60	4	28	1	4	0	2
0600	38	22	100	0	65	2	20	1	8	0	3
0800	22	35	100	0	67	3	16	0	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 : **CARROWANELLY**

27/C/07

Tributary of : Sea - Fergus Estuary

OS Catchment No: 158

OS Grid Ref of Confluence: R 357 717

Date(s) Surveyed: 5/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0300	-	-	-	3	3-4	3-4	-
0400	4	2-3	3	4	3	4	3-4*

Assessment: The Carrowanelly was in reasonable condition but suffered from excessive siltation which apparently was due to construction works on the new Ennis bypass road which opened in 1997.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br SE of Kilbreckanbeg Ho	137805	176051	58	CE
0400	Carnelly Br. L	136792	173261	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	5	8	0	100	62	7	0	0	21	0	10
0400	1	16	0	100	66	3	0	0	13	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 : **CASTLELODGE**

27/C/01

Tributary of : Muckanagh Lough

OS Catchment No: 158

OS Grid Ref of Confluence: R 378 932

Date(s) Surveyed: 20/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2004	2007
0700	4	4	3	3	3	3	-
0900	4	4	3	2-3	3	2-3	3

Assessment: The Castlodge was moderately polluted in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Bridge u/s Lough Aslaun	141931	196216	52	GY
0900	Bridge u/s Muckanagh Lough	139605	194171	52	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	22	13	0	100	67	6	0	0	9	0	18
0900	19	20	0	100	63	4	0	0	11	2	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 : **CLAREEN (FERGUS)**

27/C/06

Tributary of : Sea - Fergus Estuary

OS Catchment No: 158

OS Grid Ref of Confluence: R 323 685

Date(s) Surveyed: 5/9/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1988	1991	1997	1998	2001	2004	2007
0540	-	-	-	4	4	4	3-4	-
0600	4	4	3	3	3	3	-	3B

Assessment: No major change was noted in the Clareen - significant signs of eutrophication were apparent. Occasional brackish influences from the Fergus Estuary (Enteromorpha was noted) are possible although the macroinvertebrate fauna did not include any typical estuarine species. There is some fairly intensive agriculture in the catchment upstream of the monitoring point and this is seen as the main pressure impacting on the water quality here.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0540	Br just S Killerk	129344	170141	57	CE
0600	Clareen Bridge	131222	169578	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0540	33	5	0	100	59	0	20	0	18	0	3
0600	3	23	0	100	82	0	5	0	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.

River and Code : **CLOON (CLARE)**

27/C/02

Tributary of : Sea - Shannon Estuary

OS Catchment No: 155

OS Grid Ref of Confluence: R 142 552

Date(s) Surveyed: 6/9/2007, 7/9/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1988	1991	1997	2000	2001	2005	2007
0100	-	-	4	4-5	4	4	4	-
0200	4	4	3	4-5	4	3-4	4	4
0400	4	4	4	4	4-5	4	4	4
0800	-	4	-	-	-	-	-	-
0900	-	4	-	-	-	-	-	-

Assessment: Satisfactory. No change since 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	SE of Boloughra	119879	163060	57	CE
0200	Croany Bridge	116770	160548	57	CE
0400	New Bridge	116394	156560	64	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	61	4	0	100	67	0	28	0	0	0	6
0200	38	19	0	100	55	2	23	0	2	0	19
0400	11	49	0	100	59	1	20	0	12	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 : **CLOONDANAGH LOUGH STREAM** 27/C/13
 Tributary of : 27R01 RINE OS Catchment No: 158
 OS Grid Ref of Confluence: R 475 818
 Date(s) Surveyed: 22/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2004	2007
0100	-	3	-	-	-	-	-
0300	3-4	3-4	3	3-4	3	3-4	3-4

Assessment: The Cloondanagh Lough Stream was once again slightly polluted (moderate status).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br d/s Cloondanagh Lough	149529	183019	0	CE
0300	Drumullan Br	147669	181948	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	51	9	51	49	33	20	5	0	17	3	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 : **CLOONEEN (CLARE)**

27/C/03

Tributary of : (Goes underground)

OS Catchment No: 158

OS Grid Ref of Confluence: R 233 918

Date(s) Surveyed: 21/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0200	3-4	3	3	3	3	3-4	3
0300	4	4	4	4	4	3-4	4

Assessment: The upper site on the Clooneen (0200) was moderately polluted but an improvement was noted in the lower site (0300) in comparison with 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Clogher Br	120816	192447	51	CE
0300	Br N Knockroe	122479	192028	51	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	44	62	0	100	32	2	2	0	7	0	58
0300	41	76	0	100	32	1	5	0	12	0	50

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

River and Code : **CLOVERHILL STREAM**

27/C/10

Tributary of : 27O01 OWENOGARNEY

OS Catchment No: 155

OS Grid Ref of Confluence: R 456 610

Date(s) Surveyed: 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	1998	2001	2005	2007
0200	3-4	3	-	-	-	-
0400	3	-	-	-	-	-
0600	3-4	2-3	3	3	3	3

Assessment: Unsatisfactory: pollution is likely to be due a mix of agricultural influences and semi-urban non-sewered housing.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br near Streamstown House	149945	166770	0	CE
0400	Br N.W. of Springfield House	145270	164150	0	CE
0600	Br NE Cloverhill	145182	163502	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	7	69	0	100	72	3	2	1	6	6	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 : **CRAGGAUNBOY**

27/C/04

Tributary of : 27F01 FERGUS

OS Catchment No: 158

OS Grid Ref of Confluence: R 265 883

Date(s) Surveyed: 21/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0200	3-4	4	-	4	4	3-4	-
0300	-	-	4	-	-	-	-
0400	4	4-5	-	-	-	-	-
0600	4	4	3-4	4	3	3-4	3

Assessment: The Craggaunboy River was once again suffering from reasonably intense agricultural pollution. Cattle accessing the river are also causing local problems at the monitoring site (0600) which is just upstream of the Fergus River.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br d/s Trib ex L Nagowan	121720	186692	57	CE
0300	Br SE of L. Nagowan	122431	186670	57	CE
0400	Bridge N.W. of Cloncarragh	124055	187565	0	CE
0600	Annalabba Br	126120	188092	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	75	4	0	100	47	0	5	0	19	0	28
0300	73	8	0	100	47	0	10	0	17	0	26
0600	19	18	0	100	55	3	7	0	12	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 : **CRATLOE** **27/C/08**
 Tributary of : Sea - Shannon Estuary OS Catchment No: 155
 OS Grid Ref of Confluence: R 517 585
 Date(s) Surveyed: 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	1998	2001	2005	2007
0100	4-5	5	-	-	-	-
0300	4-5	3-4	4-5	4	4	4

Assessment: Satisfactory - unchanged.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge N.E. of Cratloe Wood	0	0	0	CE
0300	Second Bridge u/s Shannon R	151773	159661	65	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	7	7	75	25	45	8	24	0	1	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 : **CROMPAUN (EAST)**

27/C/09

Tributary of : Sea - Shannon Estuary

OS Catchment No: 155

OS Grid Ref of Confluence: R 524 584

Date(s) Surveyed: 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	1998	2001	2005	2007
0300	4-5	-	4-5	4	4-5	-
0400	-	5	-	-	-	-
0500	5	-	-	-	-	-
0600	4-5	4-5	4-5	3-4	4	4
0800	3	-	-	-	-	-

Assessment: The improvement noted in 2005 has been maintained.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Cappateemore Bridge	155103	161893	58	CE
0400	Br W of Knockalisheen	155246	160967	0	CE
0500	Bridge S.W. of Knockalisheen	154654	160522	0	CE
0600	Meelick Bridge	154178	159468	65	CE
0800	Bridge W. of Meelick Bridge	153740	159610	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	49	5	95	5	65	0	7	0	0	0	28
0600	2	14	48	52	77	0	6	2	6	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 : **CROMPAUN (WEST)**

27/C/05

Tributary of : 27C02 CLOON (CLARE)

OS Catchment No: 155

OS Grid Ref of Confluence: R 122 550

Date(s) Surveyed: 6/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2005	2007
0500	4	3	-	-	-	-	-
0700	4	4	-	-	-	-	-
1000	-	-	3-4	3	3	4	3-4*
1100	4	3-4	-	-	-	-	-
1200	-	-	3	4	4	4	4
1300	3-4	3-4	-	-	-	-	-

Assessment: Slight pollution and in particular heavy siltation was noted at the upper site (1000). The upper catchment land use is a mix of pasture and forestry. The lower site (1200) was in satisfactory condition.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br N.N.W. of Knocknahooan	0	0	0	CE
0700	Br u/s confl with Main River	0	0	0	CE
1000	Tullycreen Br	111311	158789	64	CE
1100	Bridge d/s Tullycreen Br	111040	158005	0	CE
1200	Carrownisha Br	110594	156709	64	CE
1300	Aughanloge Bridge	110949	155969	64	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
1000	21	9	0	100	37	0	14	0	49	0	0
1200	11	22	0	100	55	0	6	0	38	0	2
1300	8	37	0	100	50	0	7	0	35	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 : **CULLAUN** 27/C/14
 Tributary of : 27R01 RINE OS Catchment No: 155
 OS Grid Ref of Confluence: R 446 752
 Date(s) Surveyed: 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1996	1997	1998	2001	2004	2007
0100	3-4	3/0	4	3-4	3-4	3-4

Assessment: No change noted in this outflow river from Lough Cullaunyeeda. Zebra mussels noted first in 2001 were again present. The river is strongly influenced by the lake which has been quite eutrophic in nature.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Cullaun Bridge	147755	175526	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	30	14	0	100	72	2	5	3	16	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 : **DOONAHA**
 Tributary of : Sea - Shannon Estuary
 OS Grid Ref of Confluence: Q 893 533
 Date(s) Surveyed: 6/9/2007

27/D/01

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1988	1991	1997	2000	2001	2005	2007
0010	-	3	3	2	2-3	2	2-3	3	3
0050	3-4	2-3	3	1	3	3	3	3	-
0100	4	2	3	1	3	3	3/0	3	3

Assessment: Unsatisfactory: both sites maintained their slightly improved status as seen in 2005 - both are moderately polluted due to agricultural sources.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Bridge N. of Furroor	87447	156874	63	CE
0050	Br 0.5 km d/s Br S.E. of Furroor	88548	155415	63	CE
0100	Bridge N.E. of Doonaha	89130	153901	63	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	46	1	0	100	74	0	4	0	21	0	0
0050	20	8	0	100	73	0	1	1	26	0	0
0100	6	15	0	100	73	0	11	0	16	0	0

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

Hydrometric Area 27 (2007)

River and Code : **DRUMINSHIN**
Tributary of : Ballycullinan Lough
OS Grid Ref of Confluence: R 284 857
Date(s) Surveyed: 21/8/2007

27/D/02
OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0500	3	4	4	3-4	4	4	3-4

Assessment: A decline in quality was seen in 2007 compared with the 2005 survey. Cattle access to the river appears to be at least part of the reason for the problem noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Bridge u/s Ballycullinan L	128006	184802	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	28	5	0	100	47	19	0	0	19	0	15

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

River and Code : **FERGUS**
 Tributary of : Sea - Shannon Estuary
 OS Grid Ref of Confluence: R 363 700
 Date(s) Surveyed: 4/9/2007

27/F/01
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1982	1985	1988	1991	1996	1998	2001	2005	2007
0100	-	-	4	4-5	4-5	4	4	3-4	4	3-4	3-4	4
0200	5	5	4	4	4	4	4	4	4	4	4	-
0300	-	-	3-4	4	4	4	4	3-4	4-5	4	4	4
0350	-	-	-	4	4	4	4	-	4	3	3	-
0400	-	-	-	4	4	4	4	4	4	4	4	-
0500	5	5	4	4	4	4	4	4	4	4	4	4
0560	-	-	-	-	-	4	3	-	-	-	-	-
0590	-	-	-	-	-	-	3	3	2-3	3	3	3
0600	4	4-5	4	4	4	4	4	4	4	4	4	4
0640	-	-	-	-	-	-	4	-	-	-	-	-
0700	4-5	4-5	4	-	4	4	4	3-4	3-4	3-4	3-4	3*

Assessment: The upper and mid Fergus (0100, 0300, 0500) was satisfactory in September 2007. Some pollution was again evident on the distributary at Corravarrin Bridge in Ennis where urban pressures are significant. The main channel in Ennis town was satisfactory at Derhidnagower (0600) but slightly polluted at the end of the freshwater section at Clonroad Bridge (0700).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Poplar Bridge	127075	191255	51	CE
0200	Riverstown Bridge	126728	188773	57	CE
0300	Bridge in Corofin	128653	188589	57	CE
0350	Ballyogan Br	133617	189112	58	CE
0400	Addroon Bridge	135942	187842	58	CE
0500	Nutfield Bridge	134326	183301	58	CE
0560	Bridge S.E. of Brookville	0	0	0	CE
0590	Corravarrin Br	134646	178510	58	CE
0600	Drehidnagower Bridge	133017	178654	58	CE
0640	2nd Br d/s Drehidnagower	0	0	0	CE
0700	Bridge near Clonroad House	134487	177869	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	22	133	0	100	29	1	3	0	11	0	56
0200	22	145	0	100	30	1	3	0	11	1	54
0300	18	165	0	100	34	1	3	0	11	1	50
0350	19	314	0	100	36	1	3	0	9	3	49
0400	17	320	0	100	36	1	3	0	9	3	49
0500	10	464	8	92	39	4	5	0	10	2	40
0590	3	520	7	93	42	4	5	1	10	2	36
0700	6	59	0	100	48	7	8	7	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 : **GOURNA**
 Tributary of : 27O01 OWENOGARNEY
 OS Grid Ref of Confluence: R 481 645
 Date(s) Surveyed: 23/8/2007

27/G/02

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1991	1998	2001	2005	2007
0100	4-5	5	4-5	4	5	-
0400	5	4-5	-	-	-	-
0600	-	5	5	4	4-5	4*

Assessment: Unsatisfactory. The Gourná river was impacted by a heavy siltation load. This was tracked back to a farm 1.3 km upstream of Station 0600 which had extensive earthworks underway and flowing water washing silt directly into the river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Coolycasey Br	151255	166447	58	CE
0400	Bridge N.W. of Ballyroe	0	0	0	CE
0600	Br u/s Owenogarney R confl	148097	164129	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	87	5	100	0	36	16	19	0	9	0	20
0600	8	15	84	16	49	5	9	0	16	0	20

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

Hydrometric Area 27 (2007)

River and Code : **HELL**
 Tributary of : 27R01 RINE
 OS Grid Ref of Confluence: R 445 765
 Date(s) Surveyed: 5/9/2007

27/H/01
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1988	1991	1996	1998	2001	2004	2007
0100	-	5	4	-	-	-	-	-
0200	-	4	4	3-4	4	4	4	-
0300	-	5	4	-	-	-	-	-
0400	4-5	4	3-4	3	4	4	3	4

Assessment: Satisfactory. The Hell River had improved in status when surveyed in early September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Rylane Bridge	0	0	0	CE
0200	Bridge WSW Carrahan	142938	180757	58	CE
0300	Sandhill Bridge	0	0	0	CE
0400	Hell Bridge	144212	176920	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	41	7	14	86	58	10	12	0	10	0	9
0400	28	22	5	95	73	5	4	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 : **INCH (CLARE)**
 Tributary of : 27F01 FERGUS
 OS Grid Ref of Confluence: R 333 782
 Date(s) Surveyed: 4/9/2007, 21/8/2007

27/I/01
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1988	1991	1997	1998	2001	2004	2007
0200	4-5	4	4-5	4-5	4	4	4	4
0400	4	4	4	5	4	4-5	4-5	-
0600	4	4	4	4-5	4	4	4	4
0800	4	4	4	4	4	4	3	3

Assessment: The upper Inch (0200) was of good status but the lower section in Ennis (0800) was of poor ecological status (moderately polluted) due mainly to urban pressures.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Kilmaley Bridge	125256	174566	57	CE
0400	Bridge WSW Rathkerry	127372	173823	57	CE
0600	Inch Bridge	130180	175368	57	CE
0800	Claureen Bridge	132829	178109	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	61	27	0	100	28	13	14	0	18	0	27
0400	39	41	0	100	39	10	11	0	18	0	22
0600	16	47	0	100	44	9	10	0	18	0	19
0800	6	55	0	100	49	8	8	3	16	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 : **KILCARROL STREAM**

27/K/06

Tributary of : 27W01 WOOD

OS Catchment No: 158

OS Grid Ref of Confluence:

Date(s) Surveyed: 6/9/2007

Previously reported as part of the Wood 27W01

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2005	2007
0020	3	2-3	-	-	-	-	-
0025	-	-	2	2-3	3	3	3
0030	3	1-2	-	-	-	-	-

Assessment: Unsatisfactory - no change in comparison with 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Bridge S. of Carrowfree	0	0	0	CE
0025	Br NE Kilcarroll	103020	155552	64	CE
0030	Bridge N.W. of Kilcarroll	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
0025	23	4	0	100	77	0	17	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 : **KILMORE NORTH STREAM** **27/K/04**
 Tributary of : 27C03 CLOONEEN (CLARE) OS Catchment No: 158
 OS Grid Ref of Confluence: R 211 923
 Date(s) Surveyed: 21/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0200	4	4	-	-	-	-	-
0400	3	3	4	4	4	4	4

Assessment: This tributary of the Clooneen remained in good status in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Second Bridge d/s L Fergus	0	0	0	CE
0400	Bridge u/s Clooneen River	121796	191026	51	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	52	10	0	100	6	0	25	0	47	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 : **LAGHTYSHAUGHNESSY LOUGH STREAM** **27/L/03**
 Tributary of : 27C01 CASTLELODGE OS Catchment No: 158
 OS Grid Ref of Confluence: R 430 960
 Date(s) Surveyed: 7/9/2007

Previously reported as part of the Castlelodge (27C01)

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2004	2007
0300	3	3	2-3	3	3	2-3	2-3*

Assessment: This first order stream was unsatisfactory in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge SE of Derry	143310	196360	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	27	2	0	100	86	0	0	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 : **LISKENNY**
 Tributary of : Lough Cullynaheeda
 OS Grid Ref of Confluence: R 481 753
 Date(s) Surveyed: 22/8/2007

27/L/01

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1985	1988	1991	1996	1997	1998	2001	2004	2007
0070	-	-	3	2-3	-	-	3	3	3-4	3
0100	3-4	3	3	3	2-3	-	3	3	-	-
0200	-	-	4	4	3	3	3	3	3	3

Assessment: Both sites surveyed on the Liskenny in August 2007 were moderately polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	Couly Br	149812	178042	58	CE
0100	Wyndham's Bridge	149183	177526	58	CE
0200	Bridge u/s L Cullynaheeda	149247	175349	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	40	4	0	100	88	0	0	0	12	0	0
0100	36	10	0	100	74	0	0	4	22	0	0
0200	29	5	0	100	70	0	9	0	13	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 : **LISSYCASEY STREAM** **27/L/04**
 Tributary of : 27O02 OWENSLIEVE OS Catchment No: 158
 OS Grid Ref of Confluence: R 222 663
 Date(s) Surveyed: 5/9/2007

Previously reported as part of the Owenslieve 27O02

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2004	2007
0300	-	-	3-4	4	4	3	3
0400	3-4	3-4	-	-	-	-	-

Assessment: Unsatisfactory - no improvement since 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br NW Gortygeeheen	120971	165743	57	CE
0400	Just u/s Main Channel SW Coolderror Br	122575	166410	0	CE

River and Code : **MILL BROOK**
 Tributary of : 27F01 FERGUS
 OS Grid Ref of Confluence: R 364 859
 Date(s) Surveyed: 20/8/2007

27/M/03
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2004	2007
0700	4-5	-	-	4	4	4-5	-
0800	-	4	4	-	-	-	-
0900	-	-	-	-	4	4-5	-
1000	5	4-5	-	4	-	-	-
1100	4-5	4	4	4	4	4	4

Assessment: This Fergus River tributary was of good status in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Third Br d/s Br at Derryboy	142611	187484	58	CE
0800	Br nr Derrycalliff Lr (side road)	142296	187058	58	CE
0900	Black's Br	140592	185831	0	
1000	Bridge u/s Inchicronan Lough	140464	186394	58	CE
1100	Ballyline Bridge	138413	186083	58	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	54	5	89	11	13	11	20	0	21	0	35
0800	49	6	86	14	13	10	20	0	23	0	34
1000	30	14	70	30	18	9	22	0	22	0	30
1100	30	21	50	50	35	6	15	0	17	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 : **MOYARTA**
 Tributary of : Sea - Shannon Estuary
 OS Grid Ref of Confluence: Q 844 517
 Date(s) Surveyed: 6/9/2007

27/M/01
 OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2005	2007
0100	1-2	1	2-3	2-3	2-3	3	-
0150	1-2	2	2-3	2-3	2-3	3	3

Assessment: Unsatisfactory: remaining moderately polluted due primarily to agricultural pressures on the stream.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N of Kileenagh	81933	152015	63	CE
0150	Br NW Cloonconeen	83000	151744	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	14	9	0	100	94	0	0	0	4	0	3
0150	7	12	0	100	95	0	0	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.

Hydrometric Area 27 (2007)

River and Code : **MOYREE**
 Tributary of : 27F01 FERGUS
 OS Grid Ref of Confluence: R 358 878
 Date(s) Surveyed: 20/8/2007

27/M/02
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2004	2007
0300	4-5	5	4-5	4-5	4	4	4
0400	4	4	-	-	-	-	-
0500	4	4	-	-	4-5	5	-
0600	4	4-5	4	4	4	4	-
0700	4	4	4-5	4-5	4	4	4

Assessment: Satisfactory: no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge u/s Bunnahow Lough	144841	193528	52	GY
0400	Bridge d/s Bunnahow Lough	0	0	0	CE
0500	Cregg Br	143210	192968	0	CE
0600	Inghid Br	140192	191558	52	CE
0700	Bridge u/s Fergus River	136128	188061	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	37	18	76	24	21	13	22	0	8	0	36
0600	23	44	57	43	34	7	20	0	17	1	21
0700	17	64	39	61	38	5	14	0	14	1	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 : **OWENOGARNEY**

27/O/01

Tributary of : Sea - Shannon Estuary

OS Catchment No: 155

OS Grid Ref of Confluence: R 453 609

Date(s) Surveyed: 22/8/2007, 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1988	1991	1997	1998	2001	2005	2007
0100	-	5	5	-	5	5	5	4-5
0200	-	5	5	5	-	-	-	-
0300	-	5	5	5	4	4	4-5	4-5
0400	-	4	4	4	4	4	4	-
0500	-	4	4-5	-	-	-	-	-
0600	4	4	4	-	-	-	-	4-5
0700	-	4	4	4	4	4	4-5	-
0800	-	-	4	-	-	-	-	-
0900	3-4	4	-	4	4	3	3-4	4
1000	-	3-4	3-4	4	-	-	-	-
1100	4	4	4	-	4	4	4	4

Assessment: Overall satisfactory condition - high status in the upper reaches (0100, 0300) and good status in the lower reaches (0900, 1100).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Ballymacdonnell Br	159600	177936	58	CE
0200	Ballymacdonnell Bridge	157764	177756	58	CE
0300	Bridge u/s Doon Lough	155626	175773	58	CE
0400	Woodfield Bridge	153064	173159	58	CE
0500	Ahaclare Bridge	152465	172190	0	CE
0600	Agouleen Bridge	150820	171250	58	CE
0700	Pollagh Bridge	150042	170246	58	CE
0800	Ballymulcashel Br	148065	168575	0	CE
0900	Annagore Bridge	147683	167618	58	CE
1000	Sixmilebridge	147831	165892	58	CE
1100	Oil Mill Bridge	147943	164404	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	120	12	100	0	0	48	28	0	0	0	24
0200	55	14	100	0	4	42	34	0	0	0	21
0300	23	30	85	15	26	27	28	0	5	0	14
0400	26	127	57	43	61	8	15	0	6	3	7
0700	19	144	57	43	62	8	13	0	6	3	9
0900	15	155	55	45	62	8	12	0	6	3	9
1000	9	158	54	46	62	7	12	1	6	3	9
1100	5	178	56	44	61	7	12	1	7	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 : **OWENSLIEVE**
 Tributary of : Sea - Fergus Estuary
 OS Grid Ref of Confluence: R 285 657
 Date(s) Surveyed: 5/9/2007

27/O/02
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2004	2007
0600	4-5	4	4	4-5	4	4-5	-
0700	4	-	-	-	-	-	-
0800	-	4	4	4	4	-	-
0900	4	4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Br u/s Coolderror Bridge (main road)	122541	167134	57	CE
0700	Coolderror Bridge	0	0	0	CE
0800	Br d/s Coolderror Br	122841	166705	57	CE
0900	Cloondaged Br	127191	165753	57	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	72	8	0	100	14	7	36	0	0	0	43
0800	61	8	0	100	15	7	35	0	0	0	42
0900	12	48	0	100	56	2	23	0	0	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.

Hydrometric Area 27 (2007)

River and Code : **RINE**
 Tributary of : Sea - Fergus Estuary
 OS Grid Ref of Confluence: R 367 712
 Date(s) Surveyed: 5/9/2007, 23/8/2007

27/R/01
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)								
	1986	1988	1991	1996	1997	1998	2001	2004	2007
0100	-	4-5	4	-	-	-	-	-	-
0200	-	4-5	5	4	-	4-5	4-5	4-5	4-5
0300	-	5	5	-	-	-	-	-	-
0500	4	5	4-5	4-5	-	4-5	4	4	-
0600	-	5	-	-	-	-	-	-	-
0700	5	3-4	3	4	-	4	4	3-4	-
0900	-	4-5	-	-	-	-	-	-	-
1100	4-5	4-5	4	4	3	4-5	4	4	4
1200	4-5	4-5	4	-	-	-	-	-	-
1300	4-5	4	4	3-4	-	4	4	3-4	-
1400	5	4-5	4-5	-	-	-	-	-	-
1500	4-5	5	4	-	4	4	4	3-4	4

Assessment: The River Rine was in overall satisfactory condition. The upper river is heavily afforested and care is needed to protect the river's existing high status at this point.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Lough Blarnagh	0	0	0	CE
0200	Bridge W.S.W. of Commons	147377	186863	58	CE
0300	Bridge N. of Derryulk	0	0	0	CE
0500	Eyrehill Bridge	147160	181703	58	CE
0600	Newgrove Bridge	0	0	0	CE
0700	Bridge near Moymore	145890	178391	58	CE
0900	Ballynafersha Bridge	0	0	0	CE
1100	Creevagh Bridge (New)	144087	174850	58	CE
1200	Bridge in Quin	0	0	0	CE
1300	Ford u/s Ardsollus Bridge	140422	173162	58	CE
1400	Ardsollus Bridge	140129	172201	58	CE
1500	Blackweir Bridge	138929	171568	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	178	7	100	0	0	46	11	0	0	0	43
0500	50	30	77	23	12	26	9	0	18	1	34
0700	33	41	56	44	27	19	9	0	17	1	27
1100	23	90	29	71	51	13	6	0	11	0	19
1300	12	112	23	77	56	11	5	0	10	0	18
1400	9	113	23	77	57	10	5	0	10	0	18
1500	4	118	22	78	56	11	5	1	9	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 : **SHALLEE**
 Tributary of : 27F01 FERGUS
 OS Grid Ref of Confluence: R 338 815
 Date(s) Surveyed: 21/8/2007

27/S/01
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1988	1991	1997	1998	2001	2005	2007
0090	-	-	1-2	-	-	-	-	-	-
0100	3	3	1-2	3-4	4	4	4	4	-
0200	4	3-4	2-3	3	-	-	-	-	-
0300	4	5	3-4	3-4	4	4	4	4	-
0500	-	-	4	3-4	4	3-4	4	4	3

Assessment: The lower Shallee was of poor status where sampled in 2007 upstream of the River Fergus and Ballyallia Lough close to Ennis.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	250 m u/s Sampling Stat 0100	126767	179651	0	CE
0100	Bridge N. of Ballyknock	127004	179618	57	CE
0200	Moarhaun Bridge	129500	180200	0	CE
0300	Br N Erinagh	131025	181485	57	CE
0500	Ballymaguiggan Br	132606	180465	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	59	5	0	100	81	0	0	0	10	0	9
0300	13	21	0	100	74	9	0	0	9	0	8
0500	8	38	0	100	74	11	0	2	8	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 : **SPANCELHILL**
 Tributary of : 27F01 FERGUS
 OS Grid Ref of Confluence: R 350 771
 Date(s) Surveyed: 7/9/2007

27/S/03
 OS Catchment No: 158

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	1998	2001	2005	2007
0200	4	4	4	5	4-5	4	-
0400	3-4	3-4	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge near Spancelhill	138710	181063	58	CE
0400	Br d/s Aughavaddy Bridge	136038	178303	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	30	3	0	100	57	0	0	0	38	0	4
0400	4	26	7	93	53	3	6	2	23	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 : **TARMON LOUGH STREAM**

27/T/02

Tributary of : 27C05 CROMPAUN (WEST)

OS Catchment No: 158

OS Grid Ref of Confluence:

Date(s) Surveyed: 6/9/2007

Previously reported as part of the Crompaun (West) 27C05

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1997	2000	2001	2005	2007
0200	3-4	3-4	-	-	-	-	-
0300	-	-	4	3-4	3-4	4	3
0400	3	3	-	-	-	-	-

Assessment: Unsatisfactory in 2007. Control of cattle access to the river is an ongoing issue at the site surveyed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge d/s Tarmon Lough	0	0	0	CE
0300	Breaghva Br	108653	156262	64	CE
0400	Just u/s Crompaun R confl	0	0	0	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	16	9	0	100	57	0	12	0	18	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 : **WOOD**
 Tributary of : Sea - Shannon Estuary
 OS Grid Ref of Confluence: Q 991 546
 Date(s) Surveyed: 6/9/2007

27/W/01

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1975	1979	1980	1985	1988	1991	1997	2000	2001	2005	2007
0080	-	-	-	-	-	3	3	3	3	3	4	-
0100	4	4	4-5	3	3-4	3	3	3	3	3	3	3
0200	1	1	4	3-4	3	3-4	3	3	4	3-4	4	3

Assessment: The Wood river was of poor ecological status at both sites surveyed in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br E. of Ballykett Fair Grn	102054	155879	64	CE
0100	Bridge 1.5 km u/s Kilrush	101233	155298	64	CE
0200	Kilrush: 100 m u/s West Br	99358	154859	63	CE

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	21	6	0	100	68	0	0	0	32	0	0
0100	13	16	0	100	64	4	9	3	21	0	0
0200	1	19	0	100	59	8	7	7	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.

SHIRBD: HYDROMETRIC AREA NO. 27

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.

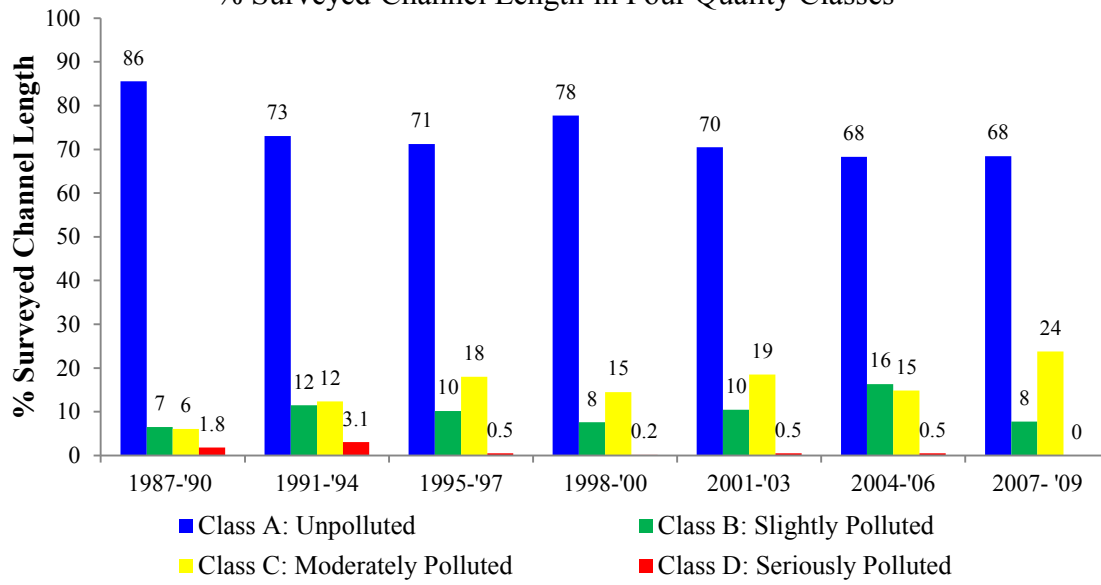
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballymacooda Lough Stream ¹	2007	27B01	0.0	0.0	1.5	0.0	0.0	1.5
Ballynacally	2007	27B04	0.0	0.0	1.0	0.0	0.0	1.0
Broadford	2007	27B02	9.5	0.0	1.5	0.0	0.0	11.0
Carrownanelly	2007	27C07	0.0	0.0	5.5	0.0	0.0	5.5
Castlelodge	2007	27C01	0.0	0.0	0.0	7.0	0.0	7.0
Clareen (Fergus)	2004	27C06	0.0	0.0	0.0	5.5	0.0	5.5
Cloon (Clare)	2005	27C02	0.0	13.5	0.0	0.0	0.0	13.5
Cloondanagh Lough Stream	2007	27C13	0.0	0.0	3.0	0.0	0.0	3.0
Cloonene (Clare)	2007	27C03	0.0	2.0	1.0	2.0	0.0	5.0
Cloverhill Stream	2007	27C10	0.0	0.0	0.0	7.0	0.0	7.0
Craggaunboy	2007	27C04	0.0	0.0	0.0	6.5	0.0	6.5
Cratloe	2007	27C08	0.0	4.5	0.0	0.0	0.0	4.5
Crompaum (East)	2007	27C09	4.0	1.0	0.0	0.0	0.0	5.0
Crompaum (West)	2007	27C05	0.0	2.5	5.0	0.0	0.0	7.5
Cullaun	2007	27C14	0.0	0.0	1.0	0.0	0.0	1.0
Doonaha	2007	27D01	0.0	0.0	0.0	5.0	0.0	5.0
Druminshin	2007	27D02	0.0	0.0	2.5	0.0	0.0	2.5
Fergus	2007	27F01	0.0	29.0	0.0	6.0	0.0	35.0
Gourma	2007	27G02	0.0	5.5	0.0	0.0	0.0	5.5
Hell	2007	27H01	0.0	6.5	0.0	0.0	0.0	6.5
Inch (Clare)	2007	27I01	6.5	13.0	0.0	0.5	0.0	20.0
Kilcarrol Stream	2007	27K06	0.0	0.0	0.0	2.0	0.0	2.0
Kilmore North Stream	2007	27K04	0.0	5.0	0.0	0.0	0.0	5.0
Laghtyshaughnessy Lough Stream	2007	27L03	0.0	0.0	0.0	1.5	0.0	1.5
Liskenny	2007	27L01	0.0	0.0	0.0	4.0	0.0	4.0
Lissycasey Stream	2007	27L04	0.0	0.0	0.0	2.0	0.0	2.0
Mill Brook	2007	27M03	7.4	2.1	0.0	0.0	0.0	9.5
Moyarta	2007	27M01	0.0	0.0	0.0	3.0	0.0	3.0
Moyree	2007	27M02	5.4	10.7	0.0	0.0	0.0	16.0
Owenogarney	2007	27O01	19.5	5.5	0.0	0.0	0.0	25.0
Owenslieve	2007	27O02	9.5	2.0	0.0	0.0	0.0	11.5
Rine	2007	27R01	9.0	19.0	2.5	0.0	0.0	30.5
Shallee	2007	27S01	0.0	0.0	0.0	11.0	0.0	11.0
Spancelhill	2007	27S03	0.0	6.5	0.0	0.0	0.0	6.5
Tarmon Lough Stream	2007	27T02	0.0	0.0	0.0	4.0	0.0	4.0
Wood	2007	27W01	0.0	0.0	0.0	3.5	0.0	3.5
Total Length (km) surveyed this cycle	2007		70.8	128.3	24.5	70.5	0.0	294.0
Adjustments (km) (See below)*			0.0	-4.0	1.5	0.0	0.0	-2.5
Percentages			23.9	44.6	7.8	23.8	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		203.0	23.0	70.5	0.0	296.5	
Percentages			68.5	7.8	23.8	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		202.5	48.5	44.0	1.5	296.5	
Percentages			68.3	16.4	14.8	0.5		
Changes since Previous Survey (km)			0.5	-25.5	26.5	-1.5	0.0	

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

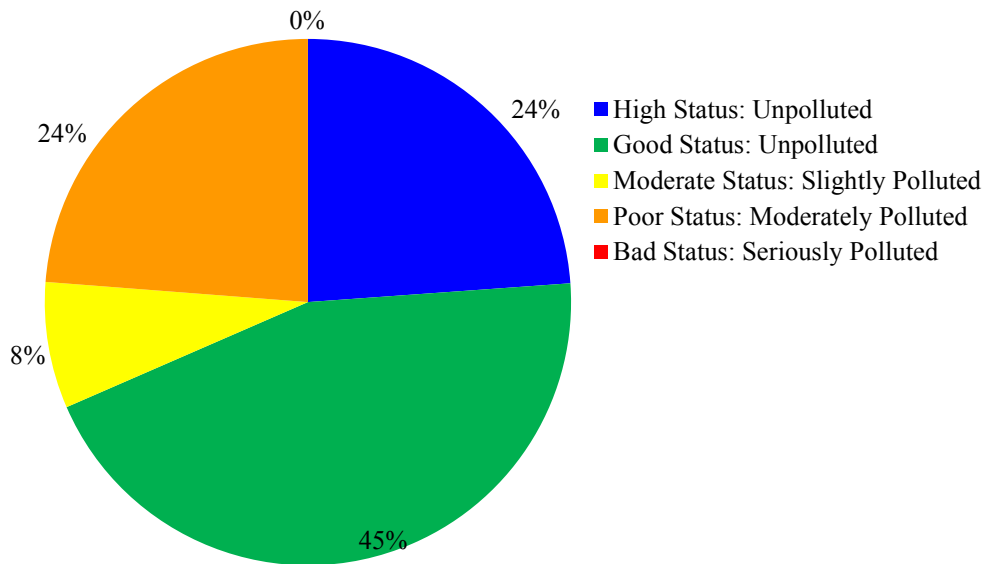
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 27 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 27 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 34 (Moy & Killala Bay)	
ADDERGOOLE	34A01
BAR DEELA	34B02
BEHY (NORTH MAYO)	34B08
BELLANAMEAN	34B04
BELLAWADDY	34B05
BREAGHWY	34B06
BRUSNA (NORTH MAYO)	34B07
BURREN STREAM (CLYDAGH) *	34B13
CALLOW LOUGHS STREAM	34C08
CARROWARD	34C09
CARROWKERIBLY LOUGH STREAM	34C07
CASTLEBAR	34C01
CHARLESTOWN STREAM *	34C28
CLOONAGHMORE	34C03
CLOONLAVIS	34C10
CLYDAGH (CASTLEBAR)	34C05
CRUMLIN (LOUGH CULLIN)	34C11
DEEL (CROSSMOLINA)	34D01
DUVOWEN	34D03
EIGNAGH	34E01
FIDDAUNATOOGHAUN STREAM *	34F06
GLENREE	34G01
GLORE (MAYO)	34G02
GWEESTION	34G03
LEAFFONY	34L01
LENYVEE	34L06
LITTLE (STRADE)	34L02
LOUGH MUCK STREAM	34L05
LOUGHNAMINOO STREAM	34L04
MAD	34M04
MANULLA	34M01
MEANDER	34M05
MOY	34M02
MULLAGHANOE	34M03
OUGHTAGH	34O05
OWENAHER	34O01
OWENGARVE (SLIGO)	34O03
OWENLOBNAGLAUR	34O04
POLLAGH	34P01
SHANVOLAHAN	34S01
SLIEVECLAUR	34S06
SONNAGH (MOY)	34S02
SPADDAGH	34S03
STRADE	34S04
SWINFORD	34S05
TRIMOGE	34T01
TUBBERCURRY	34T02
TUBBERCURRY STREAM	34T03

HYDROMETRIC AREA 34 (Moy & Killala Bay)

YELLOW (FOXFORD)	34Y01
YELLOW (KNOCK)	34Y02

* BURREN STREAM (CLYDAGH) Previously reported as part of the Clydagh (Castlebar) 34C05

* CHARLESTOWN STREAM Previously reported as part of the Mullaghanoe

* FIDDAUNATOOGHAUN STREAM Previously reported as part of the Shanvolahan 34S01

River and Code : **ADDERGOOLE**

34/A/01

Tributary of :

OS Catchment No: 110

OS Grid Ref of Confluence: G 151 105

Date(s) Surveyed: 1/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1999	2001	2005	2007
0100	-	4	-	-	3-4	4	-
0300	4	-	2-3	4	-	-	-
0500	4-5	-	-	-	-	-	-
0600	-	4	4	4-5	4	4	4-5

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge just d/s Levally Lough	114270	305550	0	MO
0300	Br 0.6km d/s Levally Lough	114066	306042	23	MO
0500	Bridge NW of Tonacrock	114688	309157	0	MO
0600	Bridge u/s Lough Conn	114963	309861	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	28	21	38	62	11	0	52	0	28	6	2
0600	19	40	40	60	9	1	52	0	32	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.

Hydrometric Area 34 (2007)

River and Code : **BAR DEELA** **34/B/02**
 Tributary of : 34D01 DEEL (CROSSMOLINA) OS Catchment No: 110
 OS Grid Ref of Confluence: G 016 147
 Date(s) Surveyed: 17/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1999	2001	2005	2007
0200	4	4	3	4	4	4	4

Assessment: Satisfactory. No change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Deel R confl	101362	314675	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	58	17	44	56	0	2	45	0	4	0	50

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

River and Code : **BEHY (NORTH MAYO)**

34/B/08

Tributary of : 34G01 GLENREE

OS Catchment No: 110

OS Grid Ref of Confluence: G 283 182

Date(s) Surveyed: 25/7/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1995	1998	2002	2004	2005	2007
0300	5	3*	5	5	4-5	4-5	-	-
0400	5	4	4-5	3-4/0	4-5	-	4-5	4-5

Assessment: Continuing to be of high status where sampled (0400) in the lower reaches.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br S Bunnyconnellan W	132533	317178	24	MO
0400	Behy Bridge	128781	318132	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	54	7	68	32	33	0	66	0	1	0	0
0400	20	35	34	66	56	1	37	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 : **BELLANAMEAN**
 Tributary of : 34E01 EIGNAGH
 OS Grid Ref of Confluence: G 412 086
 Date(s) Surveyed: 16/7/2007

34/B/04
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0200	-	4	4-5	4	4-5	4-5	-
0300	5	5	-	-	-	-	-
0500	4-5	3-4	4-5	4-5	4-5	4-5	4-5

Assessment: High status again in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br 1.5 km NE of L. Naskea	136660	309539	24	SO
0300	Bridge N. of Belclare	0	0	0	SO
0500	Bridge u/s Eignagh River	140639	309098	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	151	5	100	0	0	0	64	0	23	0	12
0500	46	13	77	23	14	2	40	0	24	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 : **BELLAWADDY**
 Tributary of : Killala Bay (at Enniscrone)
 OS Grid Ref of Confluence: G 284 296
 Date(s) Surveyed: 19/7/2007

34/B/05
 OS Catchment No: 111

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1989	1993	1995	1999	2001	2004	2007
0100	5	3-4	3	4	3	4	4	4	-
0150	-	-	3-4	4-5	-	-	-	-	4
0200	4	4	4	4	4	4	4-5	4	-
0300	3	3-4	4	4	-	-	-	-	4

Assessment: Satisfactory - good status at both sites sampled in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Tullylin (main road)	133470	327924	24	SO
0150	Bridge u/s Knocknagower Br	131730	328545	24	SO
0200	Knocknagower Bridge	129852	328499	24	SO
0300	Bridge in Enniscrone	128424	329640	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	61	5	0	100	62	0	35	0	0	0	3
0200	31	11	0	100	70	0	22	0	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 : **BREAGHWY**
 Tributary of : 34C03 CLOONAGHMORE
 OS Grid Ref of Confluence: G 161 278
 Date(s) Surveyed: 16/8/2007

34/B/06
 OS Catchment No: 104

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1999	2001	2005	2007
0200	4	4-5	3-4	3	4	4	-
0600	4-5	4	3	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Belladoan Br	111890	328439	23	MO
0600	Bridge S.W. of Seeaghanbaun	114304	327622	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	40	4	0	100	21	7	26	0	36	0	10
0600	22	13	0	100	48	3	15	0	31	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 : **BRUSNA (NORTH MAYO)**

34/B/07

Tributary of : 34G01 GLENREE

OS Catchment No: 110

OS Grid Ref of Confluence: G 289 190

Date(s) Surveyed: 19/7/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1995	1999	2001	2002	2004	2007
0200	4-5	4-5	4-5	4	4	-	4	4
0300	-	4	-	-	-	-	-	-
0400	4	-	5	4-5	-	4-5	4-5	-
0600	4-5	4-5	4	4-5	-	4	4-5	4

Assessment: Good status at both sites surveyed in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge E. of Emlymoran	131636	323930	24	SO
0300	Br W of Carha	131090	322546	24	SO
0400	Bridge W. of Cloonta	130196	320988	24	MO
0600	Just u/s Glenree River confl	128608	319117	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	55	12	0	100	43	4	52	0	1	0	0
0400	38	28	1	99	38	5	46	0	5	0	5
0600	25	32	1	99	44	5	42	0	5	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 : **BURREN STREAM (CLYDAGH)** **34/B/13**
 Tributary of : 34C05 CLYDAGH (CASTLEBAR) OS Catchment No: 110
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 24/9/2007

Previously reported as part of the Clydagh (Castlebar) 34C05

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0015	4-5	4-5	4-5	4-5	4-5	4-5	5

Assessment: High status in this upper Clydagh River tributary in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br W Derrylahan	114531	297212	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0015	100	7	100	0	0	0	71	0	0	0	29

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

River and Code : **CALLOW LOUGHS STREAM** **34/C/08**
 Tributary of : 34Y01 YELLOW (FOXFORD) OS Catchment No: 110
 OS Grid Ref of Confluence: G 293 062
 Date(s) Surveyed: 13/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0200	4	4	-	-	-	-	-
0300	4	4-5	4	4-5	4-5	4-5	4-5

Assessment: High status in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Second Br d/s Callow Loughs	130085	304855	24	MO
0300	Bridge u/s Yellow River	129356	305629	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	19	9	100	0	0	4	53	0	29	13	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 : **CARROWARD**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: M 290 985
 Date(s) Surveyed: 12/9/2007

34/C/09
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0300	4-5	4-5	4	4	4	4	-
0600	4-5	4-5	-	-	-	-	-
0700	-	3*	4	4-5	4	4-5	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge N.W. of Bohola	130068	295648	31	MO
0600	Bridge E. of Ardacarha	130122	296864	0	MO
0700	Br 0.5 km u/s Moy R confl	128945	298316	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	32	5	0	100	0	4	24	0	72	0	0
0700	15	11	0	100	20	2	10	0	68	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 : **CARROWKERIBLY LOUGH STREAM** **34/C/07**
 Tributary of : 34M02 MOY OS Catchment No: 110
 OS Grid Ref of Confluence: G 265 104
 Date(s) Surveyed: 26/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0300	-	-	4-5	4-5	4-5	4	-
0400	4-5	4-5	4-5	4-5	4-5	4-5	4-5
0600	4	3-4	4	4	4-5	4	4-5

Assessment: Both sites surveyed in 2007 were of high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br u/s Ballymore L.	129568	313161	24	MO
0400	Bridge near Ardrass	127707	312002	24	MO
0600	Bridge u/s Moy River confl	126346	310474	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	15	14	80	20	40	2	53	0	0	0	5
0400	16	29	69	31	46	2	42	0	4	2	4
0600	5	35	67	33	44	4	40	0	4	3	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 : **CASTLEBAR**

34/C/01

Tributary of :

OS Catchment No: 110

OS Grid Ref of Confluence: M 234 963

Date(s) Surveyed: 10/7/2007, 14/9/2007, 27/9/2007

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1975	1977	1979	1980	1981	1983	1984	1986	1989	1993	1995	1998	2001	2005	2007
0010	-	-	-	-	-	4-5	-	4	-	-	4	3-4	4	-	-	-	-
0020	-	-	-	-	-	4-5	-	5	-	-	4-5	4	5	4-5	4-5	4-5	5
0030	-	-	-	-	-	4-5	-	5	-	-	4	4-5	4	4	4	4	-
0040	-	-	-	-	-	4-5	-	-	-	-	4-5	4	-	-	-	-	-
0100	4-5	4-5	4-5	4-5	4	4	-	4	4	-	4	4	3-4	3-4	4	-	-
0180	-	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	3
0200	1	1-2	1	1	1	1	2-3	3	3	3	3	3	3	3	2-3	2-3	2-3
0300	3	3	1-2	2-3	2-3	2	3	3	3	-	3	3	3	3	3	3-4	3
0400	4	4	3-4	3	3	3	3-4	3-4	3-4	3-4	3-4	3-4	3	4	4	3-4	3
0500	4-5	-	-	-	-	4	-	4-5	-	-	4	4	3-4	4-5	4	4-5	4

Assessment: Quality had deteriorated downstream of Castlebar in 2007. It is believed that this is primarily due to combined storm overflows discharging to the river in the town. The deterioration in quality first noted in 2001 is still evident. A programme of works to redirect the storm overflows is in progress and the local authority is upgrading the sewage treatment plant for Castlebar town. The discharge point for the main treatment plant is now located between Station 0300 and 0400 whereas in the past it discharged upstream of Station 0200. The expansion of Turlough Village and overloading of a small sewage treatment plant is suspected as the cause of the deterioration at Station 0300 and 0400.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br N.E. of L Sallagher	111206	293596	31	MO
0020	Br near Graffa More	110930	291732	31	MO
0030	Br u/s Islandeady L	110058	289354	31	MO
0040	500 m d/s Islandeady L	110500	288700	0	MO
0100	d/s First Br in Castlebar	114297	290396	31	MO
0180	D/s Fourth Br in Castlebar	114965	290625	31	MO
0200	Br 2.5 km d/s Castlebar	117000	292007	31	MO
0300	Br N. of Turlough Park	120893	293710	31	MO
0400	Br 1 km W. of Ballyvary	123357	294532	31	MO
0500	Bridge at Fisherhill	122868	300091	31	MO

Hydrometric Area 34 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	102	2	100	0	0	18	62	0	0	0	20
0020	70	5	100	0	0	8	68	0	16	0	9
0030	32	18	79	21	0	7	34	0	39	2	18
0100	29	83	41	59	1	2	30	3	39	3	20
0200	25	90	39	61	1	2	29	6	40	3	19
0300	15	96	37	63	3	2	27	6	42	3	18
0400	10	282	13	87	23	1	15	3	45	1	11
0500	9	354	27	73	20	2	23	2	39	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 : **CHARLESTOWN STREAM** **34/C/28**
 Tributary of : 34M03 MULLAGHANOE OS Catchment No: 110
 OS Grid Ref of Confluence: G 475 027
 Date(s) Surveyed: 18/7/2007

Previously reported as part of the Mullaghanoe

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1983	1985	1989	1993	1995	1998	2001	2004	2007
0070	5	5	-	4-5	4-5	-	-	-	-	-
0100	3	4	4-5	3	4	2-3	2-3	3-4	3-4	2-3

Assessment: A deterioration was noted in July 2007 due to severe siltation caused by the construction of the new Charlestown bypass (N5).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	Bridge at Bracklagh	0	0	0	MO
0100	Bridge W.N.W. of Bellahy	147505	302542	32	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	60	25	72	28	60	1	13	2	4	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 : **CLOONAGHMORE**

34/C/03

Tributary of :

OS Catchment No: 104

OS Grid Ref of Confluence: G 174 314

Date(s) Surveyed: 16/8/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1979	1981	1986	1989	1993	1995	1999	2001	2005	2007
0030	-	-	-	-	-	4-5	4-5	4-5	4-5	4-5
0060	-	-	-	5	-	-	-	-	-	-
0100	-	5	5	4-5	4	4	4-5	4	4-5	-
0150	-	5	4	5	4-5	4	4-5	4	4-5	4-5
0200	4-5	4-5	3-4	4	4	4	4-5	4-5	4	-
0270	-	-	-	-	-	4-5	4	4-5	4	4-5
0280	-	-	-	4	-	-	-	-	-	-
0300	4	4	4-5	-	4	-	-	-	-	-
0310	1	4	4	4	-	-	-	-	-	-

Assessment: All sites surveyed in 2007 were of high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br u/s Ford SSE Tawnywaddyduff	107128	324369	23	MO
0060	Bridge near Lecarrownwaddy	0	0	0	MO
0100	Bridge near Belville	112162	324780	23	MO
0150	Ballintober Bridge	114375	326127	23	MO
0200	Tonrehown Bridge	115725	328668	23	MO
0270	1.2 km u/s Palmerstown Br	116966	331253	24	MO
0280	200 m u/s Palmerstown Bridge	117122	331467	0	MO
0300	Palmerstown Bridge (LH side)	117372	331447	24	MO
0310	Palmerstown Bridge (RH side)	117372	331447	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	67	11	0	100	2	24	63	0	3	0	8
0100	36	43	0	100	8	13	62	0	9	0	8
0150	25	51	0	100	17	12	55	0	8	0	7
0200	14	96	0	100	31	9	39	0	14	0	7
0270	3	132	0	100	43	6	31	0	13	0	6
0300	1	133	0	100	43	6	31	0	13	0	6
0310	1	133	0	100	43	6	31	0	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 : **CLOONLAVIS**

34/C/10

Tributary of : 34Y02 YELLOW (KNOCK)

OS Catchment No: 110

OS Grid Ref of Confluence: M 350 868

Date(s) Surveyed: 11/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1995	1998	2001	2005	2007
0100	4	3	4	4	3-4	-
0300	4	4	4	4	4-5	4-5

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge W of Knockbaun	137898	281323	32	MO
0300	Bridge u/s Yellow R confluence	135750	285160	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	71	13	0	100	43	0	40	1	13	2	1
0300	59	18	0	100	41	0	30	1	26	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 : **CLYDAGH (CASTLEBAR)**

34/C/05

Tributary of : 34C01 CASTLEBAR

OS Catchment No: 110

OS Grid Ref of Confluence: G 229 004

Date(s) Surveyed: 2/10/2007, 24/9/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1986	1987	1989	1993	1995	1998	2001	2004	2007
0020	-	-	-	-	5	-	-	-	-	-
0030	-	-	-	5	5	5	5	4-5	4-5	5
0040	-	-	-	-	5	-	-	-	-	-
0050	5	5	-	5	5	-	-	-	-	-
0070	-	-	-	-	-	4-5	4	4-5	4	-
0100	5	4-5	-	5	4	-	-	-	-	4-5
0120	-	-	-	5	4	-	-	-	4-5	-
0125	-	-	-	4-5	-	-	-	-	-	-
0140	-	-	-	3-4	4-5	4	4-5	-	3-4	4-5
0150	4-5	5	-	-	-	-	-	4-5	-	n/s
0200	5	5	4	3	4-5	4	-	5	4	4-5

Assessment: The Clydagh was of high status at all locations surveyed in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Br S of Lenanea	111350	297410	31	MO
0030	Br NW Ardvarney	114243	296525	31	MO
0040	Ford NW L. Naspleenagh	115300	295100	31	MO
0050	Bridge N.W. of Naspleenagh L	115580	295175	31	MO
0070	Br SW Sranalee	117008	295781	31	MO
0100	Clydagh Bridge	117220	294430	31	MO
0120	Footbridge SE Cloonkesh	118779	294075	31	MO
0125	D/s Footbr S.E. of Cloonkesh	118845	294095	31	MO
0140	Br SW Ballyguin	119571	294692	31	MO
0150	Bridge E. of Ballyguin	120910	294140	31	MO
0200	Br NE Ballyart	122211	296142	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	104	6	100	0	0	9	80	0	0	0	11
0070	64	34	100	0	0	12	67	0	2	0	20
0100	58	35	100	0	0	12	66	0	2	0	20
0140	32	48	93	7	3	11	62	0	6	0	18
0200	15	53	88	12	6	10	57	0	10	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 : **CRUMLIN (LOUGH CULLIN)** 34/C/11
 Tributary of : Lough Cullin OS Catchment No: 110
 OS Grid Ref of Confluence: G 222 018
 Date(s) Surveyed: 2/10/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1995	1998	2002	2004	2007
0300	4-5	4	3-4	4	3-4*	4-5	4-5

Assessment: The improvement noted in 2004 was maintained in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Bridge u/s Lough Cullin	121092	301325	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	17	20	100	0	0	3	48	0	38	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 : **DEEL (CROSSMOLINA)**

34/D/01

Tributary of : Lough Conn

OS Catchment No: 110

OS Grid Ref of Confluence: G 175 171

Date(s) Surveyed: 17/8/2007, 28/9/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1980	1984	1989	1993	1995	1998	2001	2005	2007
0006	-	-	-	-	-	5	4-5	4-5	4	4	4	4
0010	-	-	-	5	5	4-5	4-5	4	4	4	4	4
0025	-	-	-	4-5	4-5	4-5	4	4	3-4	4	4	4
0050	-	-	-	-	5	-	-	-	-	-	-	-
0100	5	-	-	5	5	4-5	4-5	4	4-5	5	4-5	4-5
0120	-	-	-	-	-	-	-	-	-	-	4	4-5
0150	-	-	-	4	-	4	4	-	-	-	-	-
0200	-	-	-	-	-	4-5	4-5	-	4	-	4-5	-
0250	-	-	-	-	-	-	-	3	-	4	4	-
0300	5	5	4-5	3-4	3-4	4	5	3-4	4	4-5	4	4
0400	-	-	-	-	4	4-5	4-5	4	4-5	4-5	4-5	-

Assessment: The Deel remained in satisfactory condition overall with no significant change in comparison with 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0006	Bridge at Keenagh	102160	310888	23	MO
0010	Deel Bridge	100978	315759	23	MO
0025	Ford S.W. of Knockbrack	106715	314258	23	MO
0050	Ford at Ballymulty	108981	315078	23	MO
0100	Ford E. of Ballycarroon House	112102	316034	23	MO
0120	Crossmolina Bridge .	113770	317650	23	MO
0150	S.E. of Crossmolina	114500	316400	0	MO
0200	800 m d/s Crossmolina Bridge	114258	317863	23	MO
0250	1.3km d/s Crossmolina Br	114016	318340	23	MO
0300	Knockadangan Bridge	115748	319214	23	MO
0400	Br at Deelcastle	117885	318843	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0006	87	9	88	12	3	3	65	0	2	0	27
0010	55	64	32	68	2	4	63	0	9	0	22
0025	45	98	27	73	2	4	64	0	10	0	20
0050	39	143	21	79	3	6	63	0	12	0	16
0100	26	152	20	80	7	5	59	0	12	0	16
0200	18	155	20	80	9	5	58	0	12	0	15
0250	16	156	20	80	9	5	58	0	12	0	15
0300	10	227	13	87	29	4	44	0	12	0	11
0400	10	230	13	87	29	4	43	0	12	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 : **DUVOWEN**
 Tributary of : 34C03 CLOONAGHMORE
 OS Grid Ref of Confluence: G 144 261
 Date(s) Surveyed: 16/8/2007

34/D/03
 OS Catchment No: 104

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1999	2001	2005	2007
0100	-	4-5	-	-	-	-	-
0300	-	-	-	-	-	4	-
0400	-	-	4	4	4	-	-
0500	4-5	4	-	-	-	-	-
0800	4-5	4-5	4	4	4	4-5	4-5

Assessment: Continuing satisfactory in 2007 - high status upstream of its confluence with the Cloonaghmore (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge N of Carnclogh	0	0	0	MO
0300	Br N Ballynagar (main Road)	110532	326784	0	
0400	Br S of Garranard	111689	326152	23	MO
0500	Bridge E.S.E. of Garranard	0	0	0	MO
0800	Br u/s Cloonaghmore River	114125	326062	23	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	40	14	0	100	21	12	44	0	1	0	22
0800	26	17	0	100	28	10	37	0	6	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 : **EIGNAGH**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: G 433 080
 Date(s) Surveyed: 16/7/2007, 17/7/2007

34/E/01
 OS Catchment No: 110

Station Nos.	1977	1979	1981	1986	1989	1993	Biological Quality Ratings (Q Values)				
							1995	1998	2001	2004	2007
0080	-	-	-	-	-	4-5	-	-	-	-	-
0100	-	-	5	5	5	5	4-5	4-5	5	5	5
0200	-	4-5	5	4-5	4-5	4-5	4	4	4-5	5	-
0300	5	-	4-5	5	4-5	4-5	4	4-5	4	4-5	4-5

Assessment: The Eignagh continued to be of high status in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br 1.2 km d/s L. Talt	140960	313905	24	SO
0100	Bridge 1.75 km d/s Lough Talt	141442	313659	24	SO
0200	Bridge in Aclare	141020	310045	24	SO
0300	Br u/s Moy River at Cloongoonagh	143097	308108	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	81	13	100	0	16	4	70	0	2	8	0
0200	50	34	73	27	32	3	44	0	14	3	4
0300	41	59	61	39	31	3	43	0	14	2	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 : **FIDDAUNATOOGHAUN STREAM** **34/F/06**
 Tributary of : 34S01 SHANVOLAHAN OS Catchment No: 110
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 26/9/2007

Previously reported as part of the Shanvolahan 34S01

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0100	3	4	4	4	4	4	4

Assessment: Satisfactory - no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Eskeragh Bridge	103890	318899	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	66	6	0	100	0	0	75	0	5	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 : **GLENREE**
 Tributary of : Sea - Moy Estuary
 OS Grid Ref of Confluence: G 255 195
 Date(s) Surveyed: 25/7/2007

34/G/01
 OS Catchment No: 110

Station Nos.							Biological Quality Ratings (Q Values)				
	1979	1981	1986	1989	1993	1995	1998	2001	2004	2005	2007
0020	-	-	-	-	5	4-5	5	4-5	4-5	-	4-5
0050	-	-	5	5	5	5	-	5	5	-	-
0053	-	-	-	-	-	-	4-5	-	-	-	-
0060	-	-	-	-	5	4-5	5	4-5	4-5	-	4-5
0100	5	5	5	5	4-5	-	-	-	-	-	-
0200	4	4-5	4	4	4-5	4-5	4	4-5	-	4-5	4

Assessment: Overall satisfactory. A drop from high status to good status was apparent at Bunree Br just upstream of the confluence with the main Moy River (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Bridge near Carrownaglogh	136084	319511	24	MO
0050	Bridge 2 km E. of Cloonta	132475	320862	24	MO
0053	Br. SE of Cloonta	131539	320499	24	MO
0060	0.7 km u/s Brusna River confluence	129030	319334	24	MO
0100	Ford u/s Rathkip	126883	317994	24	MO
0200	Bunree Bridge	125500	319402	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0020	107	9	97	3	5	14	69	0	7	0	4
0050	55	13	69	31	14	10	60	0	7	0	9
0053	48	14	67	33	16	10	58	0	8	0	8
0060	30	19	48	52	24	7	55	0	6	0	9
0100	14	93	23	77	47	3	41	0	4	0	5
0200	4	96	23	77	47	3	40	1	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 34 (2007)

River and Code : **GLORE (MAYO)**
 Tributary of : 34G03 GWEESTION
 OS Grid Ref of Confluence: M 343 930
 Date(s) Surveyed: 10/9/2007, 11/9/2007

34/G/02
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1980	1984	1989	1993	1995	1998	2001	2005	2007
0005	-	-	-	4	4	-	-	-	-	-
0010	-	4	3-4	3-4	3-4	3	-	3	3	3
0050	-	4	4-5	4	4-5	4	4-5	3-4	3-4	-
0100	-	4	4-5	4	4-5	-	-	-	-	-
0110	-	-	-	-	-	-	4	4	4	4
0140	-	-	-	4	4	-	-	-	-	-
0150	-	4	3-4	4	4	-	-	-	-	-
0180	-	-	-	-	4	-	-	-	-	-
0190	-	-	-	-	4	-	-	-	-	-
0200	4-5	4	4	4	4	4	4	4	4-5	4-5

Assessment: The upper Glore (0010) continued to be of poor status in 2007. The middle and lower sections were satisfactory at good and high status respectively.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0005	Cave Br	149575	282010	0	MO
0010	Bridge u/s Island Lough	148643	281092	32	MO
0050	br NW Ballinacostello	142520	286854	32	MO
0100	Bridge near Cloonfallagh	138996	289492	32	MO
0110	Br W Derrynaned	138599	289806	32	MO
0140	Ford N. of Canbrack	137380	298950	0	MO
0150	Bridge S. of Ballynamona	136500	290600	0	MO
0180	200 m u/s Glore Bridge	135155	291640	0	MO
0190	80 m u/s Glore Bridge	132085	291720	0	MO
0200	Glore Bridge	135000	291785	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	79	26	0	100	55	0	26	1	14	1	3
0050	72	50	0	100	53	0	15	1	17	1	14
0100	66	57	0	100	48	0	14	1	18	0	19
0110	65	61	0	100	45	0	17	1	17	0	20
0200	47	65	0	100	42	0	19	0	17	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 : **GWEESTION**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: M 296 984
 Date(s) Surveyed: 12/9/2007

34/G/03
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1980	1984	1989	1993	1995	1998	2001	2005	2007
0050	-	4	4	4	4	-	-	-	-	-
0080	-	-	-	-	-	3-4	4	4	4	-
0100	-	5	4-5	4	3-4	-	-	-	-	4
0200	5	5	4	5	4-5	4	4	4	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br 3 km u/s Ballymiles Br	133100	294700	0	MO
0080	Br NE of Lismiraun	132897	294677	32	MO
0100	Ballymiles Bridge	132900	296000	32	MO
0200	Scarrownageeragh Bridge	130322	297584	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	28	214	0	100	28	1	24	1	27	0	20
0100	24	222	0	100	27	1	23	1	28	0	20
0200	16	322	1	99	26	1	27	1	27	1	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 : **LEAFFONY**
 Tributary of : Sea - Killala Bay
 OS Grid Ref of Confluence: G 310 358
 Date(s) Surveyed: 19/7/2007

34/L/01
 OS Catchment No: 112

Station Nos.	Biological Quality Ratings (Q Values)								
	1982	1986	1989	1993	1995	1999	2001	2004	2007
0100	4-5	4-5	4-5	4	4-5	4-5	4	4	4
0150	-	4-5	4	4	-	-	-	-	-
0180	-	-	-	-	3-4	4	4	4	-
0200	4	4	3-4	4	-	-	-	-	-
0260	-	-	4	4	3	4	3-4	3-4	4
0300	4	4	4	-	-	-	-	-	-

Assessment: Overall satisfactory. The lower site on the Leaffony (0260) showed an improvement to good status in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Culleens Br	135229	329497	24	SO
0150	Bridge at Gortagheen	0	0	0	SO
0180	Br SW Carragh Town	133857	333099	24	SO
0200	Ford N. of Leaffony	0	0	0	SO
0260	Br S Cabraghkeel	131466	335886	24	SO
0300	Br at Cabraghkeel	0	0	0	SO

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	0	100	29	1	52	0	0	0	18
0180	29	20	0	100	54	0	29	0	7	0	9
0260	4	35	0	100	61	0	16	0	17	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 34 (2007)

River and Code : **LENYVEE** **34/L/06**
 Tributary of : 34O01 OWENAHER OS Catchment No: 110
 OS Grid Ref of Confluence: G 424 179
 Date(s) Surveyed: 12/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0300	4-5	4-5	4-5	4-5	5	5	4-5

Assessment: Continuing high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br ESE Loughannagally	141856	317227	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	151	6	100	0	0	6	51	0	0	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 : **LITTLE (STRADE)**

34/L/02

Tributary of : 34S04 STRADE

OS Catchment No: 110

OS Grid Ref of Confluence: M 258 957

Date(s) Surveyed: 14/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0300	-	-	4-5	4-5	4-5	4-5	-
0390	4	-	-	-	-	-	-
0400	3	4	-	-	-	-	-
0500	4	4-5	4-5	4-5	4-5	4	4

Assessment: Good status where sampled upstream of its confluence with the Strade (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Buck Br	127593	291109	31	MO
0390	U/s Bridge S.W. of Boleyard	127684	292227	0	MO
0400	D/s Bridge S.W. of Boleyard	127525	292292	0	MO
0500	Bridge N. of Knockatemple	127002	294236	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	84	6	0	100	0	2	64	0	22	0	12
0500	44	12	0	100	2	4	56	0	32	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 : **LOUGH MUCK STREAM**

34/L/05

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: M 284 995

Date(s) Surveyed: 12/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1999	2002	2005	2007
0400	-	4-5	-	-	-	-	-
0600	3-4	4	4	3-4	4	3-4	3-4

Assessment: The Lough Muck Stream continued to be slightly polluted or of moderate status in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge S of Toomore	0	0	0	MO
0600	Bridge u/s Moy River confl	128672	299739	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	12	10	54	46	20	3	48	0	29	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 : **LOUGHNAMINOO STREAM**

34/L/04

Tributary of : Needham's Lake

OS Catchment No: 110

OS Grid Ref of Confluence: M 260 866

Date(s) Surveyed: 27/9/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1980	1984	1986	1989	1990	1991	1993	1995	1998	2001	2005	2007
0100	5	4-5	4	4	-	-	4	3-4	4	4	4-5	-
0200	-	1	3	1-2	2-3	2-3	3-4	1	3-4	2	3-4	3-4
0300	3-4	3	3	2-3	-	-	3-4	-	-	-	-	-
0400	-	-	-	3-4	-	-	4	3-4	-	-	-	-
0500	-	-	-	-	-	-	-	-	-	-	4	-

Assessment: The Loughnaminoo stream was slightly polluted downstream of the Balla wastewater treatment plant in September 2007. No change noted on 2005 and maintaining the improvement seen then in comparison with 2001 and some earlier years.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Balla: Br on Castlebar Road	125374	284813	31	MO
0200	Br S of Round Tower	125295	284265	31	MO
0300	NNE of Tully	124560	284060	31	MO
0400	Railway Bridge at Smuttanagh	123876	285095	31	MO
0500	Br SE Smuttanagh	123730	284764	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	35	18	0	100	20	0	12	1	58	1	7
0200	34	26	0	100	33	0	8	1	52	1	5
0400	32	34	0	100	37	0	6	1	49	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.

Hydrometric Area 34 (2007)

River and Code : **MAD** **34/M/04**
 Tributary of : 34M02 MOY OS Catchment No: 110
 OS Grid Ref of Confluence: G 493 170
 Date(s) Surveyed: 11/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0100	5	3-4	3	3	3-4	4	3

Assessment: This upper Moy tributary was in relatively poor status when surveyed in July 2007. Pressures in the catchment include forestry and sheep grazing.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge u/s Moy River confl	149230	317304	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	72	8	98	2	1	0	97	0	0	0	1

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

River and Code : **MANULLA**
 Tributary of : 34C01 CASTLEBAR
 OS Grid Ref of Confluence: M 222 941
 Date(s) Surveyed: 27/9/2007

34/M/01
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1984	1989	1993	1995	1998	2001	2005	2007
0100	5	4-5	4-5	4	4	4-5	4-5	4	4
0150	5	4-5	4	4	-	-	-	-	-
0200	-	4	5	4-5	4	4-5	4-5	4-5	-
0225	-	-	-	-	-	-	-	4	4
0300	5	3-4	4-5	3-4	4	4	4	4	3-4
0400	5	3-4	3-4	4	-	-	-	-	-
0500	5	3-4	4	3-4	3	4	4	3-4	3-4

Assessment: A deterioration in quality was noted at Station 0300 when surveyed in September in 2007 and the river was also at moderate status upstream of the confluence with the Castlebar River (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ballinafad Bridge	123082	281188	31	MO
0150	Bridge near Bridgemount	121400	282500	31	MO
0200	Bridge at Ballycarra	120120	284117	31	MO
0225	At Cuillare d/s Belcarra WWTP	119994	284630	31	MO
0300	Manulla Bridge	121307	288608	31	MO
0400	Br NE Gneeve	122293	291154	31	MO
0500	Bridge u/s Castlebar River	121981	293298	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	30	65	0	100	44	0	7	1	35	0	12
0200	25	108	0	100	46	0	9	0	34	0	10
0300	21	141	0	100	39	1	10	1	41	0	8
0400	20	161	0	100	36	0	10	1	43	1	8
0500	15	170	0	100	36	1	9	1	44	1	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 : **MEANDER**
 Tributary of : 34M01 MANULLA
 OS Grid Ref of Confluence: M 232 810
 Date(s) Surveyed: 27/9/2007

34/M/05
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1989	1993	1995	1998	2001	2005	2007
0200	-	-	4	-	-	-	-	-
0300	-	3	4	4	4	3	3-4	-
0400	3-4	3-4	4-5	3	4	4	4-5	4

Assessment: The Meander was of good status where sampled in 2007 upstream of its confluence with the Manulla (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br E.N.E. of Curry	126140	277670	38	MO
0300	Bridge S.W. of Mayo	125655	278967	38	MO
0400	Br N.N.W. of Rathnacreeva	123482	280087	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	36	20	0	100	34	0	24	0	31	0	11
0400	31	27	0	100	45	0	19	0	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 : **MOY**

34/M/02

Tributary of : Sea - Killala Bay

OS Catchment No: 110

OS Grid Ref of Confluence: G 254 197

Date(s) Surveyed: 11/7/2007, 12/7/2007, 29/8/2007, 30/8/2007,
31/8/2007

Station Nos.	Biological Quality Ratings (Q Values)														
	1971	1973	1977	1980	1982	1984	1989	1993	1995	1998	2001	2003	2004	2005	2007
0010	-	-	-	-	-	-	-	-	-	-	3	-	3-4	-	3-4
0050	-	-	-	5	-	5	5	5	4-5	4-5	3	-	4	-	4
0100	5	5	5	5	-	5	5	5	4-5	5	4	-	4-5	-	4-5
0150	-	-	-	5	-	5	5	5	-	-	-	-	-	-	-
0300	5	5	5	5	-	5	5	5	4-5	4-5	4-5	-	4-5	-	4-5
0350	-	-	-	4	-	4-5	-	-	-	-	-	3/0	-	-	-
0400	5	-	5	4	-	4	4-5	3	3	4-5	4-5	3-4	4-5	-	4
0420	-	-	-	4-5	-	4	5	4-5	4	4	4-5	-	4	-	-
0470	-	-	-	5	-	4	4	4	4	4	4-5	-	4	-	4
0500	5	5	4-5	5	-	4-5	5	4	4-5	4-5	4-5	-	4-5	-	4
0590	-	-	-	-	-	-	-	-	-	-	4-5	-	-	-	-
0600	5	-	5	5	-	5	4-5	4-5	-	-	-	-	-	-	-
0610	-	-	-	-	-	3-4	4	3	4	4	4	-	4	-	-
0650	-	-	-	4	-	4-5	4	4-5	4-5	4-5	4-5	-	4	-	4
0700	5	5	5	5	-	4-5	4	4-5	4-5	4	4-5	-	4-5	-	4
0750	-	-	-	-	-	-	-	-	5	5	5	-	-	4-5	4-5
0770	-	-	-	-	-	-	-	-	4	4	4	-	-	4	4*
0800	4-5	5	4	3-4	3	3	3	3	3	3	3-4	-	-	4	4
0850	-	-	-	-	-	-	4-5	4-5	4-5	4-5	4	-	-	4-5	4
0900	-	-	-	-	4	4	4-5	4-5	4	4-5	4-5	-	-	4	-
0960	-	-	-	-	4	4	4	-	4	4	-	-	-	-	-
1040	-	-	-	-	-	-	-	-	-	-	4	-	-	-	4
1050	5	4	4	4	-	4	4	3*	3-4	4	4	-	-	4	-
1055	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4

Assessment: As in 2004 the uppermost site on the Moy (0010) continued to be slightly polluted (moderate status) due primarily to forestry activities in the upper catchment. Water quality remains satisfactory over the rest of the river until the final site in Ballina where slight pollution is evident. A number of sites had declined from high status to good status in comparison with the previous most recent surveys.

Hydrometric Area 34 (2007)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Branchfield Bridge	152937	320469	25	SO
0050	Cloonbaniff Br	152304	319444	25	SO
0100	Bridge S.E. of Cloonacool	149279	316791	25	SO
0150	Ford u/s Metal Bridge	147300	314900	25	SO
0300	Annagh Bridge	146661	312324	24	SO
0350	Tullanaglug d/s Tubercurry R	147800	310900	24	SO
0400	Bridge at Banada	146503	310006	24	SO
0420	Ford N. of Ballygallagart	143500	308942	24	SO
0470	Ford near Bellanacurra	140391	304616	24	MO
0500	Cloonacannana Bridge	138932	302397	32	MO
0590	U/s Swinford R confl LHS	134858	301517	32	MO
0600	Br near Cloongullaun (RHS)	134766	301455	32	MO
0610	Br near Cloongullaun (LHS)	134766	301455	32	MO
0650	Ford 2 km u/s Gweestion River	131052	298834	31	MO
0700	Ballylahan Bridge	127589	299311	31	MO
0750	At Cuilbaum	126160	300835	31	MO
0770	U/s Foxford Br (LHS)	126787	304037	24	MO
0800	1 km N of Foxford (RHS)	126978	304787	24	MO
0850	Near Bunnafinglas	126287	310392	24	MO
0900	U/s Corroy River - nr Hollywood Ho	124827	313872	24	MO
0960	0.5 km d/s Corroy River confl	124933	314030	24	MO
1040	0.6km u/s Ardnaree Bridge LHS	124324	318278	24	MO
1050	0.3 km u/s Ardnaree Br (LHS)	124421	318510	24	MO
1055	0.3 km u/s Ardnaree Bridge (RHS)	124495	318535	24	MO
1100	Ardnaree Bridge	124587	318647	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	68	16	75	25	6	2	60	0	26	0	6
0100	55	52	52	48	24	1	51	0	20	0	4
0300	47	132	61	39	27	7	43	0	11	0	13
0400	44	176	46	54	39	5	35	1	10	0	10
0420	41	182	45	55	40	5	35	1	10	0	10
0470	37	438	37	63	40	2	36	1	10	0	10
0500	33	484	35	65	41	2	36	1	10	0	10
0600	30	531	34	66	42	2	36	1	9	0	10
0610	30	531	34	66	42	2	36	1	9	0	10
0650	16	585	31	69	41	2	35	1	11	0	10
0700	10	935	21	79	36	1	32	1	17	0	12
0750	9	974	20	80	35	1	32	1	19	0	12
0770	8	1805	24	76	29	2	31	1	22	4	11
0800	7	1806	24	76	29	2	31	1	22	4	11
0850	4	1879	27	73	28	2	32	1	22	4	10
0900	2	1922	27	73	29	2	32	1	22	4	10
0960	2	1947	27	73	29	2	32	1	22	4	10
1050	1	1976	27	73	30	2	32	1	21	4	10
1100	0	1976	27	73	30	2	32	1	21	4	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 : **MULLAGHANOE**

34/M/03

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 404 048

Date(s) Surveyed: 7/8/2007, 18/7/2007

Station Nos.	Biological Quality Ratings (Q Values)									
	1980	1983	1989	1993	1995	1998	2001	2004	2007	
0140	-	-	-	3	3	4	4	4	-	
0180	-	-	4	4	-	-	-	-	-	
0190	-	-	-	-	3	3-4	3-4	4	-	
0200	3-4	3-4	3-4	4	-	-	4	-	3	
0220	-	-	-	-	3	3-4	-	4	3	
0300	4	4-5	3-4	4	3-4	3-4	4	4	-	

Assessment: The Mullaghanoe suffered from serious siltation and turbidity problems during the summer of 2007 due to road building works on the Charlestown bypass. This also impacted the Charlestown Stream (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0140	Bridge N of Cloonmeen West	150637	301360	32	MO
0180	Bridge N. of Charlestown	147900	302690	32	SO
0190	0.2 km d/s Charlestown Branch conf	147322	302944	32	SO
0200	Bridge at Cloonlaughil	146108	303662	32	SO
0220	Br SW of Cully Cross Roads	144812	304053	24	SO
0300	Bridge 1 km u/s Moy River	141063	304857	24	SO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0140	83	3	56	44	23	0	25	0	0	0	52
0190	58	40	50	50	54	0	16	2	11	0	17
0200	52	5	100	0	0	0	64	0	23	0	12
0220	48	44	45	55	54	0	17	1	11	0	16
0300	39	51	39	61	52	0	20	1	12	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 : **OUGH TAGH**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: M 275 993
 Date(s) Surveyed: 14/9/2007

34/O/05
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0300	-	4	4	4	3-4	4	-
0400	4	4-5	4	4	3-4	4	4

Assessment: Satisfactory in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br near Carrowgowan House	127562	294712	31	SO
0400	Bridge u/s Moy River confl	127445	299069	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	43	4	0	100	0	7	27	0	66	0	0
0400	11	9	0	100	16	3	11	0	70	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 : **OWENAHER**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: G 463 134
 Date(s) Surveyed: 12/7/2007

34/O/01
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1986	1989	1993	1995	1998	2001	2004	2007	
0050	-	5	5	4-5	4-5	4-5	5	4-5	-	
0100	5	5	5	5	4-5	4-5	4-5	4	4	

Assessment: Good status - no improvement in comparison with 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Ford E. of Zion Hill	143117	317186	24	SO
0100	Bellanagraugh Bridge	144389	313851	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	105	22	100	0	2	29	35	0	0	0	34
0100	51	40	100	0	16	19	40	0	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 : **OWENGARVE (SLIGO)**

34/O/03

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 435 075

Date(s) Surveyed: 18/7/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1977	1980	1984	1989	1993	1995	1998	1999	2001	2004	2007
0010	-	5	4-5	4-5	5	4-5	4-5	-	4-5	4-5	4-5
0050	-	5	4-5	4-5	4-5	4-5	5	-	4	4	4-5
0080	-	-	-	5	5	-	-	-	-	-	-
0100	-	5	4-5	4	5	4-5	5	-	4	4-5	4-5
0150	-	-	-	5	4	-	-	-	-	-	-
0200	5	5	5	5	5	4-5	-	3-4	5	4-5	4-5

Assessment: All sites surveyed were of high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Bridge at Derrynabrock	158793	302104	32	MO
0050	Ford N.W. of Srah Upper	154929	303986	32	MO
0080	Fords near Botinny	151732	304555	32	MO
0100	Bridge in Curry	149323	306156	32	SO
0150	Ford S. of Rathmagurry Ho	147217	306895	24	SO
0200	Dawros Br	145310	307417	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	97	7	70	30	1	0	63	0	28	0	9
0050	72	44	47	53	40	0	39	0	12	0	10
0100	58	83	31	69	37	0	37	0	11	0	15
0200	43	121	21	79	40	0	37	1	11	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 : **OWENLOBNAGLAUR** **34/O/04**
 Tributary of : 34O03 OWENGARVE (SLIGO) OS Catchment No: 110
 OS Grid Ref of Confluence: G 558 033
 Date(s) Surveyed: 17/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0100	4	4-5	-	-	-	-	-
0200	4-5	4-5	4-5	4	4	4	4-5

Assessment: This Owengarve tributary was unpolluted and of high status in July 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NE Currinah	157506	298842	32	RN
0200	Br S Calveagh Lr	155565	301288	32	RN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	88	9	69	31	50	0	24	0	21	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 : **POLLAGH**
 Tributary of : 34G03 GWEESTION
 OS Grid Ref of Confluence: M 343 930
 Date(s) Surveyed: 12/9/2007

34/P/01
 OS Catchment No: 110

Station Nos.							Biological Quality Ratings (Q Values)				
	1977	1981	1986	1988	1989	1993	1995	1998	2001	2005	2007
0100	-	4-5	4-5	-	4	3-4	4-5	3-4	4	4-5	4-5
0200	-	4-5	4	4-5	4	4-5	4	4	4	4	-
0260	-	-	-	-	-	-	3	3-4	3-4	3-4	3
0300	4	4-5	4-5	-	4	3-4	4	4	3-4	4	4

Assessment: The uppermost site sampled on the Pollagh (0100) continued to be of high status. A drop in quality downstream of Kiltimagh wastewater treatment plant was evident at Station 0260 some 1.5 km downstream of the discharge point. Status is poor at this point. The Kiltimagh sewage treatment works is due to be upgraded. A recovery to good status was apparent at Station 0300 a further 3km or so downstream and just upstream of the confluence with the Gweestion (q.v.).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Linban Br	132328	285971	32	MO
0200	Br N Gortgarve	133360	289251	32	MO
0260	Br NW of Cloonkedagh	132986	290741	32	MO
0300	Bridge u/s Gweestion River	134208	292687	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	54	91	0	100	26	1	32	1	27	1	12
0200	45	128	0	100	25	1	27	1	27	0	18
0260	43	134	0	100	24	1	27	1	28	0	19
0300	40	145	0	100	22	1	27	1	30	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 : **SHANVOLAHAN**

34/S/01

Tributary of : 34D01 DEEL (CROSSMOLINA)

OS Catchment No: 110

OS Grid Ref of Confluence: G 067 155

Date(s) Surveyed: 26/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2005	2007
0200	4-5	-	-	-	-	-	-
0300	4-5	3-4	3	4	4	3-4	-
0400	4-5	4	4	4-5	4-5	3-4	4

Assessment: An improvement to good status was noted at the lower Shanvolahan site (0400) that was surveyed in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	E. of Shanvolahan	0	0	0	MO
0300	Bridge S.W. of Coolturk	106221	318059	23	MO
0400	Just u/s Deel River confl	106459	315877	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	55	12	0	100	1	3	67	0	18	0	11
0400	47	28	0	100	0	5	66	0	16	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 : **SLIEVECLAUR**

34/S/06

Tributary of : 34D01 DEEL (CROSSMOLINA)

OS Catchment No: 110

OS Grid Ref of Confluence: G 157 203

Date(s) Surveyed: 1/10/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1993	1995	1999	2001	2002	2005	2007
0200	-	-	-	3-4	-	3	3-4	-
0400	3-4	3	3	3	3-4	3-4	3-4	3

Assessment: Moderate pollution was evident at station 0400 upstream of its confluence with the Deel (q.v.). This represents a decline in quality in comparison with recent surveys of the Slieveclaur. The pressures in the catchment are primarily due to relatively intensive agricultural practices.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br near Slieveclaur	120625	322524	24	MO
0400	Ballyneety Bridge (Lower)	116453	320740	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	28	4	0	100	54	0	33	0	13	0	0
0400	14	23	0	100	74	0	15	0	10	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 : **SONNAGH (MOY)**

34/S/02

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 404 046

Date(s) Surveyed: 10/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1985	1989	1994	1995	1999	2001	2005	2007
0009	-	-	3-4	-	-	-	-	-	-
0060	-	-	4-5	3-4	3-4	3-4	4	3	3
0070	-	-	-	-	-	-	-	4	-
0075	5	5	3	3-4	4	4	4-5	-	-
0090	-	-	4	-	-	-	-	-	-
0100	4-5	5	4	3-4	4-5	4	4-5	4	3

Assessment: Siltation problems continue at the upper Sonnagh (0060). A significant decline in quality was noted at the lower site upstream of the Moy confluence (0100). In the latter case additional siltation was noticeable - it is thought that this is due to the construction of the Charlestown bypass (N5) as in the case of the Charlestown Stream and Mullaghanoe which are also crossed by this new road.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0009	Bridge N.W. of Tombholla	0	0	0	MO
0060	Bridge NE of Stripe	143503	298902	32	MO
0070	Br SE Cartron	144342	300600	31	MO
0075	Bridge E of Cartron (main road)	144836	301016	32	MO
0090	Bridge at Lislaughna	143343	303100	0	MO
0100	Gorteen Br	141484	304012	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0060	88	4	54	46	31	0	56	8	5	0	0
0075	60	22	39	61	41	0	47	4	7	0	0
0100	42	36	24	76	41	0	46	3	5	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 : **SPADDAGH**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: M 323 999
 Date(s) Surveyed: 10/9/2007

34/S/03
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)									
	1981	1985	1989	1993	1995	1999	2001	2004	2005	2007
0050	4-5	5	4-5	4-5	4-5	4	4	-	4-5	4-5
0100	5	4-5	4-5	4-5	4	3	4	4	-	-
0200	5	4-5	4-5	4-5	4-5	3-4*	4	-	4	4

Assessment: Continuing satisfactory - no change on 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br N. of Castlesheenaghan	139460	296734	32	MO
0100	Bridge N.E. of Esker	136348	298660	32	MO
0200	Bridge u/s Moy River confl	132382	299369	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	77	5	0	100	22	0	61	0	9	0	8
0100	52	11	0	100	32	0	37	4	5	0	21
0200	25	15	0	100	24	0	28	3	25	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 34 (2007)

River and Code : **STRADE**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: M 267 995
 Date(s) Surveyed: 14/9/2007

34/S/04
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1995	1998	2001	2004	2007
0400	3-4	4	-	-	-	-	-
0500	4	-	-	-	-	-	-
0600	-	4-5	-	-	-	-	-
0800	4-5	4-5	4-5	4-5	4-5	4	4

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge E. of Ballyvary*	0	0	31	MO
0500	Bridge S.W. of Redhill House*	0	0	31	MO
0600	Br NW Stradehill House	0	0	31	MO
0800	Br at Knockafall	126154	298216	31	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0800	15	23	0	100	8	3	35	0	48	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 : **SWINFORD**
 Tributary of : 34M02 MOY
 OS Grid Ref of Confluence: G 347 014
 Date(s) Surveyed: 13/8/2007

34/S/05
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)														
	1977	1979	1981	1983	1985	1988	1989	1990	1991	1993	1995	1999	2001	2005	2007
0100	-	4-5	4-5	4-5	4	4-5	4	-	-	4	3-4	-	-	-	-
0200	-	2	3	1-2	1-2	1	1	1	1	2-3	3	-	2-3	4	4
0300	3-4	3-4	3-4	3-4	3	3	3	-	-	3	3-4	3-4	3-4	3-4	4

Assessment: The improvements noted for the Swinford River in 2005 were maintained in 2007 and a further improvement was noticeable in the lower reaches just upstream of the Moy. Good status overall for the first time since surveys began in the 1970s.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge E. of Swinford	138410	299905	32	MO
0200	Swinford: Br on Foxford Road	136632	300450	32	MO
0300	Bridge 100 m u/s Moy River	134893	301450	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	63	14	5	95	61	0	32	0	0	0	6
0200	53	18	4	96	64	0	25	3	0	0	8
0300	31	19	4	96	60	0	27	3	3	0	8

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

River and Code : **TRIMOGE**
 Tributary of : 34G03 GWEESTION
 OS Grid Ref of Confluence: M 330 964
 Date(s) Surveyed: 11/9/2007

34/T/01
 OS Catchment No: 110

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1981	1986	1989	1993	1995	1998	2001	2005	2007
0100	-	4	4-5	4	4	-	-	-	-	-
0200	-	4	4	4	3-4	4	3	3-4	3-4	3-4
0250	-	4	4-5	4	4	-	-	-	-	-
0300	-	4	4-5	4-5	4-5	4	4-5	4-5	4-5	4
0350	-	5	4-5	4	4-5	-	-	-	-	-
0400	5	4-5	4-5	-	4-5	-	4	4	3-4	-
0500	5	4-5	4-5	5	4-5	4	-	4	4	4

Assessment: The upper station on the Trimoge continued to be slightly polluted. A decline from high status to good status was seen at Station 0300, while the second station surveyed (0500) showed no change on 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge in Kilkelly	144190	291554	32	MO
0200	Ford just W. of Kilkelly	143760	291423	32	MO
0250	Br N.W. of Woodfield House	141500	291200	0	MO
0300	Bridge S.W. of Rinn Lough	139189	290950	32	MO
0350	Ford S. of Castleroyan	137300	292000	0	MO
0400	Kinaff Bridge	135657	293678	32	MO
0500	Tullyroe Br	133005	296373	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	75	42	3	97	31	0	31	2	18	6	12
0200	74	47	4	96	28	0	34	2	19	5	11
0300	64	75	3	97	28	0	35	1	18	3	15
0400	46	82	2	98	26	0	38	1	17	3	15
0500	25	90	2	98	27	0	37	1	18	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 : **TUBBERCURRY**

34/T/02

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 270 085

Date(s) Surveyed: 17/7/2007

Station Nos.	Biological Quality Ratings (Q Values)															
	1971	1973	1977	1979	1980	1982	1986	1989	1990	1993	1995	1998	2001	2003	2004	2007
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
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: Serious pollution continued in the Tubbercurry and Tubbercurry Stream (q.v.) in 2007 due to sewage discharges and potential industrial discharges also. A recovery to poor status took place over the remaining course of the river to its confluence point with the main River Moy (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0005	Br N. of Carrowntubber	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: 17/7/2007

Station Nos.	Biological Quality Ratings (Q Values)	
	2004	2007
0300	2	-
0400	1-2	1-2
0500	1-2	-

Assessment: Continuing to be of bad status due to untreated sewage discharges in the town of 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

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

34/Y/01

Tributary of : 34M02 MOY

OS Catchment No: 110

OS Grid Ref of Confluence: G 270 085

Date(s) Surveyed: 13/8/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1989	1993	1995	1998	2001	2004	2007
0100	5	5	5	5	5	5	5	5	5
0200	5	5	5	5	-	-	-	-	-
0400	-	-	5	5	4-5	4-5	4-5	4-5	4-5

Assessment: High status at both sites sampled in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Ford W. of Corlee	132280	308607	24	MO
0200	Bridge S. of Church Village	129895	305897	24	MO
0400	Bridge u/s Moy River confl	128236	306728	24	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	102	20	100	0	0	2	90	0	4	0	3
0200	19	35	100	0	1	2	80	0	15	0	2
0400	10	47	100	0	2	2	73	0	19	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 : **YELLOW (KNOCK)**

34/Y/02

Tributary of :

OS Catchment No: 110

OS Grid Ref of Confluence: M 338 861

Date(s) Surveyed: 11/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1981	1986	1989	1993	1995	1998	2002	2005	2007
0250	-	-	3-4	3-4	-	-	4	-	3-4
0255	-	-	3	3-4	2	2-3	2-3	3-4	-
0275	-	-	3	4	3	4	4	4-5	n/s
0290	-	-	3-4	4	3-4	4	-	-	-
0300	5	4	-	-	-	-	-	-	-
0400	-	-	4	4-5	4	4	4	4	4

Assessment: The upper Yellow (Knock) (0250) was notably eutrophic in September 2007. A recovery to good status was seen at the lower site surveyed upstream of Cuiltybo Lake. There is however an ongoing issue with dredging and release of silt in the lower section of the Yellow. Almost inevitably the river is turbid when sampled during the summer and this is undoubtedly impacting the overall status of the river - affecting spawning of fish in particular.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0250	Br SW Derragh (u/s outfall)	140302	284555	0	MO
0255	0.2km d/s Br SW Derragh (d/s outfall)	140302	284555	32	MO
0275	Bridge N.E. of Faughil	137241	286818	32	MO
0290	Bridge S.E. of Kiltimagh	134906	288149	32	MO
0300	Second Bridge u/s Cuiltybo L	134649	286731	32	MO
0400	Bridge just u/s Cuiltybo L	133791	285976	32	MO

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0255	81	22	0	100	31	0	13	0	37	1	17
0275	67	25	0	100	27	0	19	0	37	1	16
0290	59	50	0	100	20	0	32	1	35	1	10
0300	58	72	0	100	25	0	33	1	32	1	7
0400	58	81	0	100	25	0	32	1	30	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.

WRBD: HYDROMETRIC AREA NO. 34

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						
Addergoole	2007	34A01	8.0	0.0	0.0	0.0	0.0	8.0
Bar Deela	2007	34B02	0.0	5.5	0.0	0.0	0.0	5.5
Behy (North Mayo)	2007	34B08	10.0	0.0	0.0	0.0	0.0	10.0
Bellanamean	2007	34B04	5.0	0.0	0.0	0.0	0.0	5.0
Bellawaddy	2007	34B05	0.0	7.0	0.0	0.0	0.0	7.0
Breaghwy	2007	34B06	0.0	8.0	0.0	0.0	0.0	8.0
Brusna (North Mayo)	2007	34B07	0.0	12.0	0.0	0.0	0.0	12.0
Burren Stream (Clydagh)	2007	34B13	4.0	0.0	0.0	0.0	0.0	4.0
Callow Loughs Stream	2007	34C08	2.5	0.0	0.0	0.0	0.0	2.5
Carroward	2007	34C09	0.0	7.0	0.0	0.0	0.0	7.0
Carrowkerribly Lough Stream	2007	34C07	4.0	0.0	0.0	0.0	0.0	4.0
Castlebar	2007	34C01	5.0	4.2	1.5	11.3	0.0	22.0
Charlestown Stream ¹	2007	34C28	0.0	0.0	0.0	3.0	0.0	3.0
Cloonaghmore	2007	34C03	23.0	0.0	0.0	0.0	0.0	23.0
Cloonlavis	2007	34C10	2.3	0.0	5.7	0.0	0.0	8.0
Clydagh (Castlebar)	2007	34C05	28.0	0.0	0.0	0.0	0.0	28.0
Crumlin (Lough Cullin)	2007	34C11	2.0	0.0	0.0	0.0	0.0	2.0
Deel (Crossmolina)	2007	34D01	13.7	28.4	0.0	0.0	0.0	42.0
Duvowen (Cloonaghmore)	2007	34D03	3.3	5.8	0.0	0.0	0.0	9.0
Eignagh	2007	34E01	12.5	0.0	0.0	0.0	0.0	12.5
Fiddaunatooghaun Stream	2007	34F06	0.0	5.0	0.0	0.0	0.0	5.0
Glenree	2007	34G01	15.5	0.5	0.0	0.0	0.0	16.0
Glore (Mayo)	2007	34G02	4.2	5.6	5.9	4.4	0.0	20.0
Gweestion	2007	34G03	0.0	9.0	0.0	0.0	0.0	9.0
Leaffony	2007	34L01	0.0	12.5	0.0	0.0	0.0	12.5
Lenyvee	2007	34L06	5.0	0.0	0.0	0.0	0.0	5.0
Little (Strade)	2007	34L02	0.0	9.0	0.0	0.0	0.0	9.0
Lough Muck Stream	2007	34L05	0.0	0.0	3.0	0.0	0.0	3.0
Loughnaminoo Stream	2007	34L04	2.0	2.2	4.8	0.0	0.0	9.0
Mad	2007	34M04	0.0	0.0	0.0	4.0	0.0	4.0
Manulla	2007	34M01	3.7	8.4	7.0	0.0	0.0	19.0
Meander	2007	34M05	0.0	3.0	2.0	0.0	0.0	5.0
Moy	2007	34M02	21.3	60.4	3.4	0.0	0.0	85.0
Mullaghanoe	2007	34M03	0.0	5.0	5.5	3.0	0.0	13.5
Oughtagh	2007	34O05	0.0	8.0	0.0	0.0	0.0	8.0
Owenaher	2007	34O01	11.0	3.0	0.0	0.0	0.0	14.0
Owengarve (Sligo)	2007	34O03	22.0	0.0	0.0	0.0	0.0	22.0
Owenlobnaglaur	2007	34O04	7.0	0.0	0.0	0.0	0.0	7.0
Pollagh	2007	34P01	8.0	2.0	1.5	1.5	0.0	13.0
Shanvolahan	2007	34S01	0.0	6.0	0.0	0.0	0.0	6.0
Slieveclaur	2007	34S06	0.0	0.0	0.0	6.0	0.0	6.0
Sonnagh (Moy)	2007	34S02	0.0	0.0	0.0	11.0	0.0	11.0
Spaddagh	2007	34S03	5.0	6.0	0.0	0.0	0.0	11.0
Swinford ¹	2007	34S05	0.0	5.0	0.0	0.0	0.0	5.0
Strade	2007	34S04	0.0	5.0	0.0	0.0	0.0	5.0
Tubbercurry ¹	2007/09	34T02	0.0	0.0	0.0	2.5	2.5	5.0
Trimoge	2007	34T01	0.0	16.5	3.5	0.0	0.0	20.0
Yellow (Foxford)	2007	34Y01	16.0	0.0	0.0	0.0	0.0	16.0
Yellow (Knock)	2007	34Y02	3.8	11.0	2.2	0.0	0.0	17.0

Hydrometric Area 34 (2007)

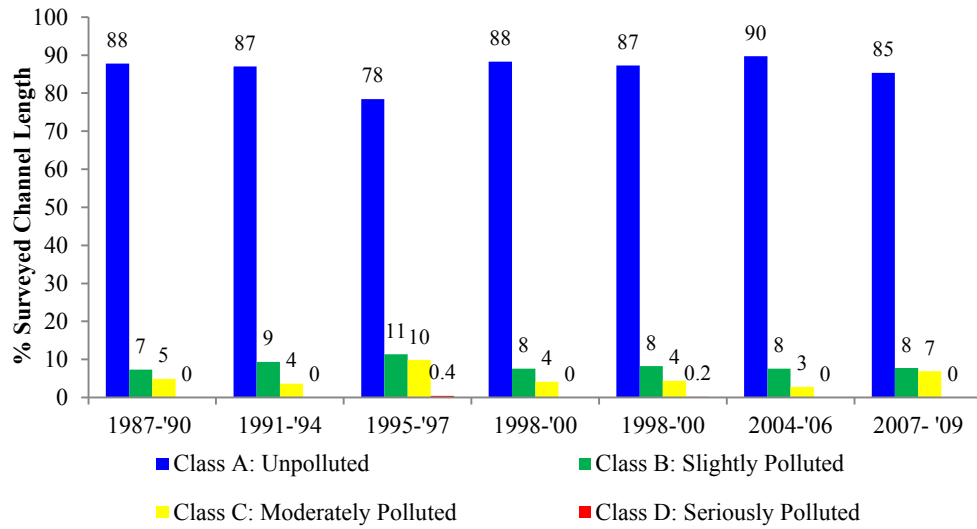
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Total Length (km) surveyed this cycle	2007		247.6	260.8	46.0	46.7	2.5	603.5
Adjustments (km) (See below)*			0.0	0.0	0.0	5.5	2.5	8.0
<i>Percentages</i>			41.6	43.8	7.7	6.9	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		508.4	46.0	41.2	0.0	595.5	
<i>Percentages</i>			85.4	7.7	6.9	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		534.0	45.0	16.5	0.0	595.5	
<i>Percentages</i>			89.7	7.6	2.8	0.0		
Changes since Previous Survey (km)			-25.6	1.0	24.7	0.0	0.0	

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

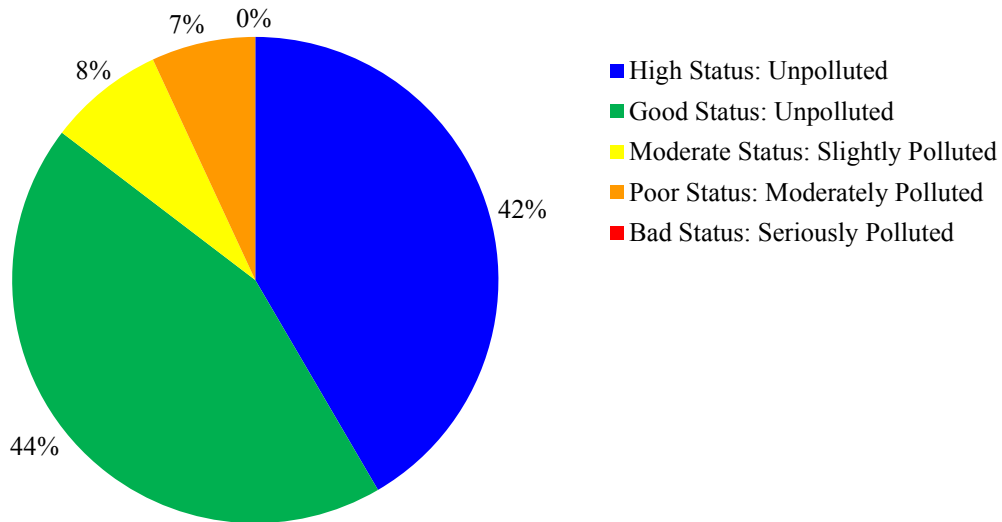
**Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 34 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 34 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 36 (Erne)	
AGHACASHLAUN	36A03
AGHNACLIFFE STREAM	36A06
ANNADALE STREAM	36A05
ANNALEE	36A02
AVAGHON LAKE STREAM	36A07
BAWNBOY	36B07
BLACKWATER (NEWTOWNGORE)	36B04
BLACKWATER (SWANLINBAR)	36B03
BUNNOE	36B05
CAVAN	36C02
CONAWARY (UPPER)	36C11
CORNAVANNOGE	36C04
CULLIES	36C03
DERRADDA STREAM *	36D07
DROMORE	36D02
DRUMANE STREAM	36D04
ERNE	36E01
FINN (MONAGHAN)	36F01
KNAPPAGH	36K01
LAHEEN STREAM	36L02
LARAGH	36L01
LEGGA STREAM	36L03
MADABAWN STREAM	36M02
MAGHERARNEY	36M01
MAGHERY	36M03
OWENSALLAGH	36O01
RAG (CAVAN)	36R01
ROO	36R02
STRADONE	36S02
SWANLINBAR	36S01
WATERFOOT	36W03
YELLOW (BALLINAMORE)	36Y01

* DERRADDA STREAM Previously reported as part of the Blackwater (Newtowngore)
36B04

River and Code : **AGHACASHLAUN**

36/A/03

Tributary of : St John's Lough

OS Catchment No: 123

OS Grid Ref of Confluence: H 082 090

Date(s) Surveyed: 20/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	1998	2001	2004	2007
0300	5	4-5	5	4-5	4-5	3-4*	4-5
0500	5	4-5	4-5	4-5	4-5	4-5	4

Assessment: The macroinvertebrate fauna indicated a satisfactory improvement at Aghlin bridge (0300) however siltation and the continued presence of *Cladophora* sp., a filamentous algae indicative of enrichment were noted again when sampled in 2007. Quality continued to be good at Aghacashlaun bridge (0500) however the bed and bank damage noted could be prevented by restricting livestock access.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Aghlin Br	206515	313452	26	LM
0500	Aghacashlaun Br	204880	310860	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	96	15	0	100	2	14	67	0	15	0	3
0500	70	27	0	100	4	8	57	0	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 : **AGHNACLIFFE STREAM**

36/A/06

Tributary of : Lough Gowna

OS Catchment No: 123

OS Grid Ref of Confluence: N 275 887

Date(s) Surveyed: 13/8/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1989	1993	1997	1998	2001	2004	2007
0400	4-5	4	4-5	4-5	4-5	4	4-5	4-5

Assessment: Continuing satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	1st Br u/s L Gowna	227350	288747	34	LD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	67	14	100	0	96	0	0	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 : **ANNADALE STREAM**

36/A/05

Tributary of : Lough Scur

OS Catchment No: 123

OS Grid Ref of Confluence: H 030 092

Date(s) Surveyed: 20/7/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1993	1997	1998	2001	2004	2007
0300	4-5	4-5	4	4	4	4	4
0500	4-5	4	4	3	3	3	3-4

Assessment: The biota in the upper reaches indicated reasonably satisfactory conditions but the lower reaches remain unsatisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br NE of Carrickaport	201589	310409	26	LM
0500	Br u/s Lough Scur	203529	309665	33	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	70	10	5	95	58	4	17	0	11	0	10
0500	63	17	3	97	57	5	14	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 : **ANNALEE**

36/A/02

Tributary of : Lough Oughter

OS Catchment No: 123

OS Grid Ref of Confluence: H 393 101

Date(s) Surveyed: 18/9/2007, 19/9/2007, 20/9/2007, 21/9/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1977	1979	1980	1982	1983	1986	1989	1993	1997	1998	2001	2004	2007
0080	-	-	-	-	-	-	-	3-4	3-4	3-4	4-5	3-4*	4	3-4
0100	4	3-4	4	3	4	-	4	-	-	-	-	-	-	-
0150	-	-	-	-	-	-	-	-	3-4	3	3	3	3	3
0200	4-5	4	4	3	3-4	-	3-4	-	-	-	-	-	-	-
0300	-	-	4	4-5	4-5	-	3	-	-	-	-	-	n/s	-
0350	-	-	-	-	-	-	-	3	4	4	3-4	4	4	4
0500	5	3	3/0	4	5	-	5	2-3	4-5	4-5	3	4	4	4
0600	-	-	4	3-4	4	-	4	2-3	4	4-5	3-4	3-4	4	3-4
0800	5	4	5	5	5	-	4-5	3-4	4-5	4-5	4	4-5	4	4
0900	-	-	4	4-5	4-5	-	4-5	4	4	4	4	3-4	4	3-4
1000	3	3-4	-	-	-	-	4-5	4	4	4	4	3-4	3-4	3-4
1150	-	4	-	4	4-5	-	5	3-4	4-5	4-5	4	3-4	4-5	-
1200	-	-	-	-	-	3-4	-	3	-	-	-	-	n/s	-
1300	-	-	4	4	4	-	4-5	3-4	-	-	-	-	n/s	-
1350	-	-	-	-	-	-	4-5	4-5	4	3-4	4	3-4	3-4	-
1400	-	-	-	3-4	3-4	-	3-4	3-4	4	3-4	3-4	3	3-4	3-4

Assessment: The Annalee River was in a generally unsatisfactory ecological condition when sampled in 2007. In particular Station 0150 downstream of Lough Sillan was moderately polluted. Only three of the nine stations surveyed were of satisfactory ecological quality (0350, 0500 and 0800). Heavy siltation was noted at the majority of stations. Excessive macrophyte and algal growth was also noted at several stations (0800, 0900, 1000 and 1400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	2nd Br u/s L Sillan	272660	306124	35	CN
0100	Br just u/s L Sillan	272400	305900	0	CN
0150	Annafarney Br	268391	306322	35	CN
0200	Br u/s L Tacker	268046	307553	35	CN
0300	Br nr Lisclagher	267800	309900	0	CN
0350	Br nr Ann's Fort	265753	310346	28	CN
0500	New Grove Br	262451	310839	28	CN
0600	Br SE of Fort William	259354	312835	27	CN
0800	Br NW of Rakenny Ho	253489	311541	27	CN
0900	Ballynallon Br	250064	311589	27	CN
1000	Ballyhaise Br	245253	311608	27	CN
1150	Br nr Curraghanoe	243384	312004	27	CN
1200	0.2km u/s Butlersbridge	243406	312047	27	CN
1300	Butlersbridge (d/s side)	240817	310466	27	CN
1350	0.2km u/s Cavan R confl	240254	310101	27	CN
1400	0.2km d/s Cavan R confl	239983	310835	27	CN

Hydrometric Area 36 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	98	16	100	0	82	0	0	0	18	0	0
0150	95	58	100	0	79	0	0	1	15	4	1
0200	92	76	100	0	78	0	0	1	16	4	1
0350	81	168	100	0	80	1	0	1	14	4	0
0500	66	223	100	0	78	0	0	1	17	3	1
0600	64	253	100	0	79	1	0	1	16	3	0
0800	60	508	100	0	84	1	0	1	10	2	2
0900	54	700	99	1	86	1	0	0	9	2	2
1000	50	746	99	1	86	1	0	0	9	2	2
1150	50	760	99	1	85	1	0	0	9	2	2
1200	50	760	99	1	85	1	0	0	9	2	2
1300	48	772	99	1	85	1	0	0	9	2	2
1350	49	0	100	0	100	0	0	0	0	0	0
1400	49	859	96	4	86	1	0	1	8	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 : **AVAGHON LAKE STREAM**

36/A/07

Tributary of : 36D02 DROMORE

OS Catchment No: 123

OS Grid Ref of Confluence: H 660 173

Date(s) Surveyed: 9/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	1998	2001	2004	2007
0200	-	3	3	3	3	3	-
0600	3	3-4	3	3	3	3	3

Assessment: Moderate pollution of suspected agricultural origin continues unabated. Unsatisfactory ecological conditions again in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	2nd Br d/s L Avaghon	267819	314158	28	MN
0600	Br u/s Dromore R confl	266555	317142	28	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	122	5	100	0	73	0	0	0	16	11	0
0600	79	0	100	0	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.

Hydrometric Area 36 (2007)

River and Code : **BAWNBOY** **36/B/07**
 Tributary of : 36B04 BLACKWATER (NEWTOWNGORE) OS Catchment No: 123
 OS Grid Ref of Confluence: H 200 158
 Date(s) Surveyed: 18/7/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1989	1993	1997	1998	2001	2004	2007
0300	-	4-5	4-5	4-5	5	4-5	4-5	4
0400	4	3-4	-	-	-	-	-	-
0500	-	3-4	4-5	4	4	4	4	4

Assessment: The Bawnboy River was in a satisfactory ecological condition when sampled in 2007 however siltation and algal growth indicate some ecological stress below Brackley Lough (0500).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	1st Br u/s Brackley L	219275	321692	26	CN
0400	Br in Bawnboy	221200	319100	0	CN
0500	Bellaboy Br. (u/s Bellaboy Lough)	220895	317704	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	60	5	0	100	0	0	29	0	43	0	28
0500	56	24	0	100	15	7	9	0	42	8	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 : **BLACKWATER (NEWTOWNGORE)**

36/B/04

Tributary of : Ballymagauran Lake

OS Catchment No: 123

OS Grid Ref of Confluence: H 207 134

Date(s) Surveyed: 19/7/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1982	1986	1989	1990	1993	1997	1998	1999	2001	2004	2007
0180	-	-	-	-	5	5	4-5	-	5	4-5	4
0200	5	5	-	5	4-5	4-5	4	-	5	4	4
0300	5	5	-	-	-	-	-	-	-	-	-
0400	4-5	4-5	3-4	4	5	5	4	-	4-5	4	3-4
0500	4	-	-	-	-	-	-	-	-	-	-
0600	4	5	-	4	4	-	4-5	4	-	4	-

Assessment: Continuing satisfactory ecological quality in the upper reaches (0180, 0200) however the macroinvertebrate fauna indicated unsatisfactory ecological conditions in the lower reaches (0400).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0180	Br W of Knockmore	215425	319694	26	CN
0200	Br NE of Sdrinan	216372	317085	26	LM
0300	Blackwater Br	219065	316053	0	CN
0400	Br d/s Blackwater Br	220277	314605	27	CN
0500	Ballymagauran Br	0	0	27	CN
0600	Br u/s Ballymagauran L	220800	313100	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0180	99	7	0	100	0	11	46	0	43	0	0
0200	67	19	0	100	0	8	41	0	49	0	1
0400	53	93	0	100	25	6	17	0	38	4	11

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

River and Code : **BLACKWATER (SWANLINBAR)** **36/B/03**
 Tributary of : 36S01 SWANLINBAR OS Catchment No: 123
 OS Grid Ref of Confluence: H 200 272
 Date(s) Surveyed: 18/7/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1989	1993	1998	2001	2004	2007
0400	4-5	4-5	4-5	5	5	4

Assessment: Although continuing satisfactory, the macroinvertebrate biota indicated a decline from high to good status when compared to last sampling period in 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br SE of Gorteen (on Tributary)	219252	325040	26	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	60	16	0	100	0	4	35	0	53	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 : **BUNNOE**
 Tributary of : 36A02 ANNALEE
 OS Grid Ref of Confluence: H 505 124
 Date(s) Surveyed: 8/8/2007, 9/7/2007

36/B/05
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)											
	1983	1985	1987	1988	1989	1990	1993	1997	1998	2001	2004	2007
0080	-	-	2	3	2-3	-	-	-	-	-	-	-
0090	-	-	-	-	-	-	3	3	3-4	3	4	4
0100	-	2-3	1	3	2	2-3	-	-	-	-	-	-
0200	-	-	2	2-3	2-3	-	-	-	-	-	-	-
0300	-	1	1-2	2-3	-	-	-	-	-	2-3	-	-
0400	1-2	3	1-2	2-3	3	-	3-4	4	-	3	4	3-4
0440	-	-	3	-	4	-	3-4	-	-	-	-	-
0500	3-4	4	4	-	3-4	-	3-4	3-4	3-4	3	3-4	-
0600	4-5	4	4-5	-	3-4	-	-	-	-	-	-	-
0700	4-5	4-5	4-5	-	3-4	-	4	3-4	3-4	3-4	3-4	4

Assessment: The Bunnoe was in a satisfactory ecological condition in the upper reaches (0090) however a decline in ecological quality was noted downstream (0400) coupled with heavy siltation. Station 0700 (upstream of the Annalee river confluence) showed some improvement in ecological quality however the continued abundant algal growth would indicate that further pollution abatement is required. Agriculture is suspected as the cause of the less than satisfactory state of the lower river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br E of Manse	0	0	0	MN
0090	Rly Br Aghadrumkeen	261631	322968	28	MN
0100	Br SW of Aghadrumkeen	260906	322596	28	MN
0200	Br N of Corduff	0	0	0	MN
0300	Doohat Br	0	0	0	MN
0400	Dianmore Br	255171	318370	27	MN
0440	Br nr Ballinageeragh	0	0	0	MN
0500	Br W of Killynenagh L	252344	316054	27	CN
0600	Br E of Lisboduff	0	0	0	CN
0700	Br u/s Annalee R confl	250376	313112	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	98	8	100	0	98	2	0	0	0	0	0
0100	94	9	100	0	99	1	0	0	0	0	0
0400	89	54	100	0	96	0	0	0	0	1	3
0500	75	65	100	0	93	0	0	0	4	1	3
0700	61	80	100	0	87	0	0	0	10	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 : **CAVAN**
 Tributary of : 36A02 ANNALEE
 OS Grid Ref of Confluence: H 475 112
 Date(s) Surveyed: 15/8/2007, 23/8/2007

36/C/02

OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)												
	1978	1980	1984	1986	1987	1989	1990	1993	1997	1998	2001	2004	2007
0040	-	-	-	-	-	3	-	3-4	3	4	3	3	3
0085	-	-	-	-	-	-	-	3-4	4-5	4	4	4	4
0100	-	4-5	3-4	3-4	-	3	-	-	-	-	-	-	-
0200	1	1	1	2	2-3	2	2-3	3	-	-	-	-	-
0300	-	-	-	2	2	2-3	2-3	3	2-3	2-3	2-3	2-3	2-3
0400	2	2	2	2-3	2-3	2-3	-	3	2-3	2-3	2-3	2-3	2-3

Assessment: The Shantemon Lake Branch was again significantly polluted at Breffni Park (0040) in 2007. The main channel continued to be in a satisfactory ecological condition upstream of Cavan (0085). Once again quality deteriorated considerably below Cavan town (0300, 0400) where the river was very heavily silted and was characterized by excessive algal growth and a faunal composition indicative of considerable pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Br nr Breffni Park	242062	303637	34	CN
0085	Br E of Thomascourt/Drumroosk	241582	301090	34	CN
0100	In Royal School Grounds	0	0	0	CN
0200	Br d/s Cavan (Lisdarn)	0	0	0	CN
0300	Br d/s St 0200	241294	306933	34	CN
0400	Br u/s Annalee R confl	240121	310116	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	62	58	90	10	92	1	1	3	2	0	0
0085	86	10	100	0	93	0	5	0	2	0	0
0300	50	67	87	13	90	1	1	6	2	0	0
0400	50	85	74	26	89	2	1	6	1	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 : **CONAWARY (UPPER)**

36/C/11

Tributary of : Ulster Canal

OS Catchment No:

OS Grid Ref of Confluence:

Date(s) Surveyed: 5/7/2007

Station Nos.	Biological Quality Ratings (Q Values)			
	1998	2001	2004	2007
0500	3	3*	2	3

Assessment: A slight improvement was noted in the Conawary upper stream when sampled in 2007, however quality continues to be unsatisfactory indicating moderate pollution. Agriculture is the suspected cause.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br West Cornasoo	261029	328367	27	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	124	0	100	0	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 : **CORNAVANNOGE**

36/C/04

Tributary of : Lough Macnean Upper

OS Catchment No: 123

OS Grid Ref of Confluence: H 026 389

Date(s) Surveyed: 3/10/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1989	1993	1997	1998	2005	2007
0400	5	4-5	5	4-5	-	4
0600	5	4-5	5	4-5	4-5	4

Assessment: Continuing satisfactory ecological quality when sampled in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br NW of Ardvarney	196966	337633	26	LM
0600	Br u/s L Macnean	200874	337565	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	90	22	0	100	26	2	37	0	13	0	22
0600	64	39	0	100	20	6	32	0	26	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 : **CULLIES**
 Tributary of : Lough Oughter
 OS Grid Ref of Confluence: H 256 013
 Date(s) Surveyed: 2/10/2007, 14/8/2007

36/C/03
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)												
	1977	1979	1981	1983	1985	1989	1990	1993	1997	1998	2001	2004	2007
0050	-	-	-	3-4	-	4	-	-	-	-	-	n/s	-
0100	-	-	-	-	4	-	-	-	-	-	-	-	-
0200	-	-	4	4	3-4	-	-	-	-	-	-	-	-
0300	-	-	3-4	2	3-4	3	-	3	3	3-4	3*	4	3-4
0500	-	3	3-4	3	3-4	3-4	-	3	-	-	-	-	-
0550	-	-	4	3	4	2-3	-	3-4	3-4	3	3-4*	3-4*	3-4
0600	3	3	3-4	3	3-4	1-2	3-4	3-4	3-4	3	3	3*	3
0650	-	-	3-4	4	-	3	-	3-4	3-4	3-4	3*	3-4*	3-4
0750	4	3-4	4	3-4	4	2	3-4	3-4	3-4	3	4	4	-
0800	2-3	1-2	2	3	4	2	3	3	-	-	-	-	-
0900	-	-	2-3	2-3	3	2	2-3	2-3	2-3	3	2-3	3	3
1000	-	3	2-3	3	-	2-3	-	3	-	-	-	-	-

Assessment: The Cullies River was in a generally unsatisfactory ecological condition when sampled in 2007. The macroinvertebrate fauna indicated that Stations 0300, 0550 and 0650 were slightly polluted while stations 0600 (Kilbrackan bridge) and 0900 (downstream of Killeshandra) were moderately polluted. Heavy siltation and lake effects noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br u/s Garty L	228700	297700	34	CN
0100	In Arva d/s Garty L	0	0	34	CN
0200	Just u/s Lower L	227200	297300	34	CN
0300	Br u/s Gulladoo L	224525	299670	34	LM
0500	Ballygad Br	225300	301100	34	LM
0550	Br u/s Drumhart L	226258	302626	34	LM
0600	Kilbrackan Br	226255	304329	34	LM
0650	Br d/s Laheen L	226964	307657	34	CN
0750	Br d/s Disert L	228803	307807	34	CN
0800	Br u/s Town L	229900	308200	0	CN
0900	New Br	231389	308801	34	CN
1000	Br d/s Tullyguide L	232100	307500	34	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	58	80	100	0	90	1	4	1	3	2	1
0550	48	98	100	0	90	0	3	1	3	2	1
0600	49	108	100	0	90	0	3	0	2	3	1
0650	45	165	76	24	79	1	2	0	11	2	5
0750	46	170	74	26	79	1	2	0	10	3	5
0900	48	185	70	30	80	1	2	1	10	3	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 : **DERRADDA STREAM** **36/D/07**
 Tributary of : 36B04 BLACKWATER (NEWTOWNGORE) OS Catchment No: 123
 OS Grid Ref of Confluence:
 Date(s) Surveyed: 19/7/2007

Previously reported as part of the Blackwater (Newtowngore) 36B04

Station Nos.	Biological Quality Ratings (Q Values)							
	1982	1986	1989	1993	1997	1998	2004	2007
0040	-	-	-	5	4-5	4-5	4	4
0100	5	5	4-5	4-5	5	-	4-5	3/0

Assessment: Continuing satisfactory ecological conditions at Drumderg bridge (0040) when sampled in 2007. Station 0100 downstream however showed signs of moderate pollution.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Drumderg Br	212183	317447	26	CN
0100	Br NW of Sradrinan	215513	316965	0	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	85	6	0	100	0	17	41	0	19	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 : **DROMORE**

36/D/02

Tributary of : 36A02 ANNALEE

OS Catchment No: 123

OS Grid Ref of Confluence: H557 122

Date(s) Surveyed: 9/7/2007, 9/8/2007, 10/7/2007, 19/9/2007,
20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1977	1980	1982	1984	1986	1989	1990	1993	1997	1998	2001	2004	2007
0015	-	-	-	-	-	-	-	-	4	4-5	4	4	4-5	4
0016	-	-	-	-	-	-	-	-	-	1	4	-	-	-
0036	-	-	-	-	-	-	3-4	-	4	3-4	3-4	3-4	3-4	4
0075	-	-	-	-	-	-	-	-	-	3	3	3	4	3-4
0090	-	-	-	-	-	-	1	3	3-4	3-4	3-4	3	3-4	-
0100	5	3	3-4	3	2	3-4	2	3	-	-	-	2-3	-	-
0150	-	-	2	2	2	3	2	3	3	3-4	3-4	-	3	3-4
0200	4	4	3-4	3-4	-	3-4	2-3	-	3	2-3	3	3	3-4	-
0300	4	2	3-4	3-4	3-4	3-4	3	-	3-4	3	3	3	3	3
0400	4	4	3-4	3-4	3-4	3-4	3-4	-	3	-	-	-	-	-
0500	-	-	4	4	3-4	3	3	-	3	3	3	3-4	3-4	3
0600	-	-	4	3-4	3-4	3	3	-	-	-	-	-	-	-
0700	4-5	2-3	3	4	3	3-4	3	-	3	3-4	3	3	3	3
0800	-	-	4	4-5	4	4	-	-	-	-	-	-	-	-
0900	4-5	4-5	4-5	4-5	4	4	3-4	-	4	4	4-5	4	4	3-4
0910	-	-	-	-	1	4	3-4	-	-	-	3	-	-	-

Assessment: The Dromore River was in a generally unsatisfactory ecological condition in 2007. Only two of the eight stations (0015 and 0036) surveyed were in a satisfactory ecological condition. However the presence of *Cladophora*, a filamentous algae indicative of enrichment and siltation were noted at station 0036. Ecological conditions at Bartleys Grove (0075) have declined since the 2004 previous survey. Overall ecological quality declined downstream of Ballybay with moderate pollution noted at stations 0300, 0500 downstream of White Lough and at Clementstown (0700) downstream of Cootehill, Drumlona and Inner Loughs. Slight pollution was noted at Kilcreeny bridge (0900). Excessive macrophyte and macroalgal growth (0150, 0300, 0500, 0700 and 0900) coupled with excessive siltation was noted at the majority of sites sampled in 2007. Ecological conditions remain below a satisfactory standard, largely due to the effects of sewage and agriculture along the river and lakes system.

Hydrometric Area 36 (2007)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0015	Br NE of Corryloan L (RHS)	278600	320800	28	MN
0016	Br NE of Corryloan L (LHS)	278600	320800	28	MN
0036	Br d/s Ballintra Br	274400	320100	28	MN
0075	Br SW of Bartley's Grove	269096	324195	28	MN
0090	Br SE of Edenaferkin	269573	322131	28	MN
0100	Br NE of Derryvalley Ho	269716	322178	28	MN
0150	Br in Ballybay	271686	320500	28	MN
0200	Br d/s L Major	271940	320165	28	MN
0300	Balladian Br	269589	319748	28	MN
0400	Ballycoghill Br	265980	317553	28	MN
0500	Ballynascarva Br	264655	316409	28	MN
0600	New Br N of Clementstown	259750	315155	27	CN
0700	Br W of Clementstown	259132	314766	27	CN
0800	Br N of Ashfield Lodge	257500	313800	27	CN
0900	Killycreeny Br (Mid)	255694	313094	27	CN
0910	Killycreeny Bridge (RHS)	255714	313118	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0015	98	7	100	0	95	0	0	0	5	0	0
0016	98	7	100	0	95	0	0	0	5	0	0
0036	80	45	100	0	94	0	2	0	4	0	0
0075	98	20	100	0	99	1	0	0	0	0	0
0090	88	30	100	0	98	1	0	0	1	0	0
0100	89	29	100	0	98	1	0	0	1	0	0
0150	79	40	100	0	98	1	0	0	1	0	0
0200	79	50	100	0	93	1	2	0	3	0	0
0300	78	118	100	0	96	1	1	1	2	0	0
0400	78	133	100	0	96	1	1	0	1	1	0
0500	80	166	100	0	95	1	1	0	2	1	0
0600	80	205	100	0	90	1	0	1	2	2	4
0700	76	216	100	0	90	1	0	1	3	2	4
0900	67	222	100	0	89	1	0	1	3	2	3
0910	67	222	100	0	89	1	0	1	3	2	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 : **DRUMANE STREAM** **36/D/04**
 Tributary of : 36W01 WOODFORD (CAVAN) OS Catchment No: 123
 OS Grid Ref of Confluence: H 270 179
 Date(s) Surveyed: 18/7/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1988	1993	1997	1998	2001	2007
0200	-	5	5	5	4-5	4
0500	4	4-5	-	4	4	-

Assessment: Continuing satisfactory ecological conditions in the upper reaches in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br 3km W of Ballyconnell	224320	318415	27	CN
0500	Br u/s Woodford R confl	226818	317885	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	92	6	0	100	5	0	63	0	0	0	32
0500	49	14	0	100	39	0	29	0	0	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 : **ERNE**

36/E/01

Tributary of : Sea - Ballyshannon

OS Catchment No: 123

OS Grid Ref of Confluence: G 877 614

Date(s) Surveyed: 2/10/2007, 7/8/2007, 21/8/2007, 22/8/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1979	1981	1984	1989	1993	1997	1998	2001	2004	2007
0100	-	-	4	4	4	4-5	3-4	4	4	4	4	4	3-4
0200	-	-	-	-	5	5	2-3	4-5	4	3-4	3-4	4	3-4
0300	-	-	-	2-3	3-4	3-4	4-5	-	-	-	-	-	-
0400	-	-	-	4	3-4	3-4	2-3	3-4	3-4	3-4	3-4	3-4	-
0500	5	-	2	4	4	4	3-4	3-4	3-4	3-4	4	3-4	3
0600	-	-	-	5	5	5	4	-	-	-	-	-	-
0700	-	-	2-3	5	5	5	4	4	4	3-4	4	3-4	3-4
0900	5	5	3-4	3-4	3	3	3-4	3	3	3	3	3-4	3-4
1000	-	-	-	4	4-5	4	4	4	4	4	4	4	-
1100	5	5	4-5	4-5	4	4-5	4-5	4	4	4	4	4	3-4
1300	4-5	4	3	3	3	3-4	3-4	3-4	3-4	-	3-4	3-4	3-4
1400	4	-	-	-	3-4	3-4	3	3-4	3	3	3	3-4	3-4
1410	-	-	-	-	-	-	-	-	-	3	1	1	-
1500	-	4	4	4	3-4	3-4	3	-	-	-	-	-	-

Assessment: The Erne River system was in a generally unsatisfactory ecological condition when sampled in 2007. A decline in ecological quality was noted in the upstream reaches (0100 and 0200). Moderate pollution was noted at Legwee Bridge (0500). Slight pollution extended downstream to Belturbet with excessive siltation noted at all stations sampled. The river is subject to over-enrichment from suspected agriculture and probably other sources. It is also affected by outflows from Loughs Gowna (at 0900) and Oughter (at 1300). Water transparency and faunal composition have improved markedly below Lough Oughter in recent years and this is attributed to the filtration activities of the populations of zebra mussel (*Dreissena* sp.) which have appeared since 2001.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 3km SW of Crosskeys	246239	295265	34	CN
0200	Derrin Br	242600	292915	34	CN
0300	Br 2km NW of Derrin Br	241412	293605	34	CN
0400	Br at Carrigan	239215	293185	34	CN
0500	Legwee Br	237669	292429	34	CN
0600	Br u/s Kilsarn Br	236600	290900	34	CN
0700	Kilsarn Br	235283	290632	34	CN
0900	Dingin's Br	233149	294883	34	CN
1000	Br E of Corlismore	235578	297398	34	CN
1100	Bellahillan Br	235617	301507	34	CN
1300	Baker's Br	237780	312584	27	CN
1400	Br at Kilconny Belturbet (RHS)	236117	317097	27	CN
1410	Kilconny Belturbet (LHS)	236211	317269	27	CN
1500	2.5km d/s Belturbet	236797	319378	27	CN

Hydrometric Area 36 (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	99	19	100	0	93	0	5	1	0	0	0
0200	84	42	100	0	95	0	3	1	0	0	1
0300	81	53	100	0	93	0	3	3	0	1	1
0400	76	66	100	0	92	0	4	2	0	1	1
0500	71	83	100	0	91	0	6	2	0	1	0
0700	64	96	100	0	91	0	6	1	0	1	0
0900	62	278	92	8	86	1	5	1	1	6	2
1000	53	291	92	8	86	1	5	1	1	5	2
1100	48	336	93	7	87	1	4	1	1	5	2
1300	48	1483	88	12	84	1	2	1	7	3	3
1400	47	1492	88	12	84	1	2	1	7	3	3
1410	47	1496	87	13	84	1	2	1	7	3	3
1500	47	1507	87	13	84	1	2	1	7	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 : **FINN (MONAGHAN)**

36/F/01

Tributary of : Upper Lough Erne

OS Catchment No: 123

OS Grid Ref of Confluence: H 422 200

Date(s) Surveyed: 5/7/2007, 8/8/2007, 17/7/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1973	1977	1980	1982	1984	1989	1993	1997	1998	2001	2004	2007
0010	-	-	-	-	-	-	3-4	4-5	4-5	4	3	3-4*	4
0080	-	-	-	-	-	-	3	4	3	4	4	4	-
0100	5	5	4-5	4	4-5	4-5	3-4	4	3-4	4	3-4	3-4	3
0200	5	4-5	4-5	4	4	4	3-4	4	3	3-4	3	4	3-4
0400	-	-	3-4	3-4	3-4	3-4	3-4	3	3-4	3-4	3	4	-
0500	3-4	3	1	3	3	3	3	3	3	3	3	3-4	3-4
0600	-	-	-	-	3	3	3	-	-	-	-	-	-

Assessment: The Finn (Monaghan) was in a generally unsatisfactory ecological condition when sampled in 2007. Station 0010 (SW of Shanroe) showed a satisfactory improvement when compared to the last survey period in 2004. However an unwelcome decline in ecological quality was noted at Stone bridge (0100) and at Annamakiff Brdge (0200).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Br at Mill NW of Kilcreen	256057	335418	27	MN
0080	E of Aghafin Lough	252797	329862	27	MN
0100	Stone Br	254401	328407	27	MN
0200	Annamakiff Br	254563	326483	27	MN
0400	Scarvy Br	251806	324610	27	MN
0500	Cumber Br	249939	323331	27	MN
0600	Annie's Br	0	0	0	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0010	80	1	0	100	100	0	0	0	0	0	0
0080	56	1	0	100	94	6	0	0	0	0	0
0100	56	5	0	100	99	1	0	0	1	0	0
0200	48	79	26	74	95	1	1	0	0	0	2
0400	47	103	43	57	97	1	1	0	0	0	1
0500	47	118	41	59	96	1	1	1	0	0	1

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

River and Code : **KNAPPAGH**
 Tributary of : 36A02 ANNALEE
 OS Grid Ref of Confluence: H 678 099
 Date(s) Surveyed: 18/9/2007, 20/9/2007

36/K/01
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1981	1985	1989	1993	1997	1998	2001	2004	2007
0200	-	4	3-4	3-4	3	3	3	3*	4	3
0400	4	4	3-4	3	3-4	3	3	3-4*	3-4*	-
0700	-	4-5	4	3	3-4	3-4	3	3-4*	4	3-4

Assessment: An unsatisfactory decline in ecological quality was noted at both stations along the Knappagh River when sampled in 2007. Excessive siltation and abundant growth of *Cladophora* sp., a filamentous algae, indicative of nutrient enrichment was noted at Knappagh Bridge (0700), upstream of the Annalee River confluence.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Bellatrain L	274468	310701	28	MN
0400	Lackan Br	270618	311430	28	MN
0700	Br u/s Annalee R confl	267974	310045	28	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	106	44	100	0	86	0	0	1	9	4	0
0400	108	66	100	0	81	2	0	1	12	4	0
0700	86	79	100	0	82	1	0	1	12	4	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 : **LAHEEN STREAM**

36/L/02

Tributary of : 36C03 CULLIES

OS Catchment No: 123

OS Grid Ref of Confluence: H 266 075

Date(s) Surveyed: 2/10/2007, 14/8/2007, 23/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1997	1998	2001	2004	2007
0300	-	4	4	4	3*	4-5	4
0600	-	3-4	3-4	3	3*	-	3-4
0800	3	3-4	3-4	3	3*	3-4	3-4

Assessment: The Laheen Stream was in a satisfactory ecological condition in the upper reaches (0300) however quality declined downstream at stations 0600 and 0800. Excessive siltation was noted at both sites, while excessive instream vegetative growth was noted at station 0600 indicating eutrophication.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0300	Br W of Aghavilla	221091	305820	34	LM
0600	Br SW of Drummercross	224215	307477	34	LM
0800	Br u/s Cullies R confl	226482	307687	34	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	63	10	38	62	24	0	0	0	36	3	37
0600	55	31	18	82	42	0	0	0	39	1	18
0800	49	38	14	86	48	0	1	0	36	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 : **LARAGH** **36/L/01**
 Tributary of : 36A02 ANNALEE OS Catchment No: 123
 OS Grid Ref of Confluence: H 532 117
 Date(s) Surveyed: 15/8/2007, 17/7/2007, 23/8/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1971	1978	1982	1986	1989	1993	1997	1998	2001	2004	2007
0030	-	-	-	-	4	-	4-5	4-5	4	4-5	4
0080	-	-	-	-	-	4-5	4-5	4-5	4	4	3-4
0400	4-5	4	4-5	5	4-5	4-5	4-5	4-5	3-4	3-4	3-4

Assessment: The Laragh River was in a satisfactory ecological condition in the upper reaches (0030) when sampled in 2007, however some signs of enrichment were evident from the excessive instream plant and algal growth. Slight pollution was noted at station 0080 (Laragh Bridge) and 0400 (Bridge upstream of the Annalee River confluence) with excessive siltation and abundant growth of *Cladophora* sp., a filamentous algae indicative of enrichment noted in the lower reaches.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br WSW of Knockataggart	254202	301997	35	CN
0080	Laragh Br	251393	305216	34	CN
0400	Main Rd Br u/s Annalee R	252908	311299	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	126	25	100	0	95	0	0	0	2	2	1
0080	83	45	99	1	92	0	1	0	2	1	4
0400	61	99	92	8	95	0	1	0	1	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 : **LEGGA STREAM**

36/L/03

Tributary of : Gulladoo Lough

OS Catchment No: 123

OS Grid Ref of Confluence: N 233 992

Date(s) Surveyed: 14/8/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1989	1990	1993	1997	1998	2001	2004	2007
0100	4-5	-	4	-	-	-	n/s	-
0200	3	-	-	-	-	-	-	-
0300	1-2	4	3	4	3	3*	4	3-4
0600	1	2-3	3	3	3	3-4	-	-
0700	3	-	3	4	3	3-4	3-4*	3-4*

Assessment: The Legga Stream was in an unsatisfactory ecological condition when sampled in 2007. There was a decline in ecological quality downstream of Doogary Lough (0300) while slight pollution was also noted downstream at Drumury Bridge (0700) upstream of Gulladoo Lough. Excessive siltation was noted at both sites.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Corglass Lough	0	0	34	LD
0200	Br d/s Corglass Lough	0	0	34	LD
0300	1st Br d/s Doogary L	220291	296202	34	LM
0600	Farmullagh Br	221845	297091	34	LM
0700	Drumury Br	223332	298973	34	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	55	21	100	0	85	2	9	0	0	0	3
0600	58	29	100	0	84	2	7	0	4	0	3
0700	50	3	100	0	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 : **MADABAWN STREAM**

36/M/02

Tributary of : 36A02 ANNALEE

OS Catchment No: 123

OS Grid Ref of Confluence: H 650 100

Date(s) Surveyed: 18/9/2007, 19/9/2007, 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1979	1980	1982	1984	1986	1989	1990	1993	1997	1998	2001	2004	2007
0070	-	-	-	-	-	2	3	4	3-4	3-4	3	3-4	3-4
0100	-	-	1/0	1	2	3	-	-	-	-	-	-	-
0200	-	-	3/0	1	3	3	-	4	4	3	4	4	4
0380	-	-	-	-	-	3	-	-	-	-	-	-	-
0400	-	-	3-4	-	3	3	-	-	-	-	-	-	-
0500	-	-	1	4	3	-	-	-	-	-	-	-	-
0600	3-4	3-4	3-4	3	3	3	-	4	4	4	3-4	4	3-4

Assessment: The Madabawn Stream (0070) at Canningstown was in an unsatisfactory ecological condition when sampled in 2007. The macroinvertebrate fauna was indicative of slight pollution with excessive siltation noted and an over abundant growth instream of plants and *Cladophora* sp., a filamentous algae indicative of enrichment. Station 0200 was in a satisfactory ecological condition downstream however bank erosion and instream siltation were noted. A decline in quality was noted at Station 0600 (upstream of the Annalee confluence) with excessive instream plant and algal growth and siltation observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	S Br Canningstown	262565	303872	35	CN
0100	Br W of Corranearry Lough	0	0	35	CN
0200	Lucas's Br	264362	307310	35	CN
0380	Br u/s NW Branch confl	0	0	35	CN
0400	Br u/s E Branch confl	0	0	35	CN
0500	Br NW of Kilnacrew	0	0	35	CN
0600	Br u/s Annalee R confl	264547	309860	35	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	120	14	100	0	58	0	0	0	42	0	0
0200	92	20	100	0	56	0	0	0	44	0	0
0600	78	43	100	0	65	0	0	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 : **MAGHERARNEY**

36/M/01

Tributary of : 36F01 FINN (MONAGHAN)

OS Catchment No: 123

OS Grid Ref of Confluence: H 556 280

Date(s) Surveyed: 5/7/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1973	1977	1980	1982	1986	1987	1989	1993	1997	1998	2001	2004	2007
0100	-	-	3	3	-	3	2-3	-	-	-	-	n/s	-
0150	-	-	-	-	-	3	3	3	3	3	2-3	3	-
0200	5	3	2-3	2	2	2-3	2-3	3	3	3	2/0	3	3
0250	-	-	-	-	-	-	2-3	-	-	-	-	-	-
0300	-	-	-	-	2-3	-	3	-	-	-	-	-	-

Assessment: Unsatisfactory ecological conditions continue on the Magherarney River, downstream of Smithboro (0200). No change observed since 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br 2 km NE of Smithborough	260611	331794	28	MN
0150	Br E of Smithborough	259808	330603	27	MN
0200	Magherarney Br	257868	329856	27	MN
0250	0.2km u/s Maghery R confl	0	0	27	MN
0300	0.2km d/s Maghery R confl	0	0	27	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	59	16	0	100	97	2	0	0	0	0	0
0150	56	21	6	94	98	2	0	0	0	0	0
0200	52	28	18	82	98	1	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 : **MAGHERY**
 Tributary of : 36M01 MAGHERARNEY
 OS Grid Ref of Confluence: H 574 293
 Date(s) Surveyed: 5/7/2007

36/M/03
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1989	1993	1997	1998	2001	2004	2007
0100	-	3	-	-	-	-	-	-
0200	-	3	3-4	3	3	3	3	-
0600	-	2-3	3-4	-	-	-	3	3-4
0900	-	-	-	3	3	2-3	3	-
1000	-	3	3-4	-	-	-	-	-
1200	2-3	2-3	3	3	3	3	3	3

Assessment: The Maghera River remains in an unsatisfactory ecological condition when sampled in 2007. A slight improvement was noted at Station 0600 but Station 1200 remains moderately polluted from suspected agricultural origins.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Lennaght Br	0	0	27	MN
0200	Br SW of Kilmore L	254990	336826	27	MN
0600	Br WSW of Drumloo L	257160	335850	0	MN
0900	Wats Br	256817	333997	27	MN
1000	Br NW of Maghera	0	0	27	MN
1200	Hagan's Br	256957	330156	27	MN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	101	4	0	100	42	12	22	0	4	0	20
0900	65	10	0	100	69	5	10	0	2	0	14
1200	54	19	0	100	84	3	5	0	1	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 : **OWENSALLAGH** **36/O/01**
 Tributary of : 36B03 BLACKWATER (SWANLINBAR) OS Catchment No: 123
 OS Grid Ref of Confluence: H 188 240
 Date(s) Surveyed: 18/7/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1993	1997	1998	2001	2004	2007
0500	5	5	3-4*	4-5	4-5	4

Assessment: This small tributary of the Blackwater (Swanlinbar) maintained its satisfactory ecological status in 2007 although the macroinvertebrate fauna indicated an unwelcome decline from high to good status when compared to 2004 results.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0500	Br E of Drumcor	218498	323375	26	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0500	67	9	0	100	0	7	60	0	22	0	11

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

River and Code : **RAG (CAVAN)**
 Tributary of : 36W01 WOODFORD (CAVAN)
 OS Grid Ref of Confluence: H 347 207
 Date(s) Surveyed: 19/7/2007

36/R/01
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)									
	1982	1985	1989	1993	1997	1998	2001	2004	2007	
0100	3	2-3	-	-	-	-	-	n/s	-	-
0200	3	2-3	-	-	-	-	-	-	-	-
0300	3-4	3	-	-	-	-	-	-	-	-
0400	3-4	3	-	-	-	-	-	-	-	-
0500	3-4	3	3	-	-	-	-	-	-	-
0600	4	3	2-3	3	3	-	3-4	3-4	-	-
0700	3-4	3-4	-	-	-	-	-	-	-	-
0800	1	4-5	2-3	3	3	3-4	4	4	4	4
0900	4	4	3	3	3	-	-	-	-	-

Assessment: The macroinvertebrate fauna indicated satisfactory ecological conditions in the lower reaches of the Rag (Cavan) River when sampled in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Clonty L*	0	0	27	CN
0200	Br d/s Clonty L*	0	0	27	CN
0300	Br 0.6km d/s St 0200*	0	0	27	CN
0400	Br d/s Togher L*	0	0	27	CN
0500	Br d/s Aghavoher L*	0	0	27	CN
0600	Br nr Killywilly Ho	230360	317920	27	CN
0700	Br d/s Tomkinroad L	0	0	27	CN
0800	Br u/s Tee L Lr	232598	318019	27	CN
0900	Br d/s Tee L Lr	234536	318459	27	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	47	31	0	100	63	0	11	3	20	2	0
0800	49	49	0	100	66	1	7	2	20	3	2
0900	48	52	0	100	68	1	7	2	18	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 : **ROO**
 Tributary of :
 OS Grid Ref of Confluence: H 058 380
 Date(s) Surveyed: 3/10/2007

36/R/02
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)					
	1989	1993	1997	1998	2005	2007
0200	4	4-5	4	4	-	5
0400	-	-	-	3-4	-	-
0500	4	4	-	-	4	-

Assessment: The Roo River was in a satisfactory ecological condition west of Barran (0200) in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br W of Barran	203133	335566	26	CN
0400	Br SE of Upper Thornhill House	204197	336692	26	CN
0500	Br u/s L Macnean	205140	337575	26	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	81	4	0	100	12	0	49	0	30	0	9
0400	69	7	0	100	11	0	35	0	36	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 : **STRADONE**
 Tributary of : 36L01 LARAGH
 OS Grid Ref of Confluence: H 532 117
 Date(s) Surveyed: 15/8/2007

36/S/02
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)									
	1978	1982	1986	1989	1993	1997	1998	2001	2004	2007
0075	-	-	-	4-5	3-4	4	3-4	4	4	-
0100	4	3-4	3-4	-	-	-	-	-	-	-
0120	-	-	-	3-4	3-4	-	-	-	-	-
0200	4-5	4	4	4-5	4-5	4	3-4	4	4	4

Assessment: The Stradone River was in a satisfactory ecological condition at Drumcrow bridge (0200) when sampled in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0075	2nd Br d/s L Alion	249085	302183	34	CN
0100	Br d/s Lisnaneanagh L	249900	303400	34	CN
0120	2nd Br d/s Lisnaneanagh L	0	0	34	CN
0200	Drumcrow Br	250002	304862	34	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0075	91	16	100	0	100	0	0	0	0	0	0
0200	80	24	94	6	99	0	0	0	1	0	0

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

River and Code : **SWANLINBAR**
 Tributary of : Upper Lough Erne
 OS Grid Ref of Confluence: H 265 327
 Date(s) Surveyed: 18/7/2007

36/S/01
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)									
	1977	1981	1985	1989	1993	1997	1998	2001	2004	2007
0100	5	5	5	5	5	5	5	4-5	4-5	4-5
0200	5	5	5	5	5	-	-	-	n/s	-
0300	5	5	5	4	4-5	4-5	4-5	4-5	3-4	4

Assessment: The Swanlinbar was in a satisfactory ecological condition when sampled in 2007. The macroinvertebrate fauna indicated an improvement in ecological quality downstream of Swanlinbar village (0300).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Commas Br	214898	324800	26	CN
0200	0.1km u/s Swanlinbar Br	219000	327200	0	CN
0300	0.6km d/s Swanlinbar Br	219750	327141	26	CN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	214	11	0	100	0	9	91	0	0	0	0
0300	59	22	0	100	0	6	71	0	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.

Hydrometric Area 36 (2007)

River and Code : **WATERFOOT**
 Tributary of : Lower Lough Erne
 OS Grid Ref of Confluence: H 097 650
 Date(s) Surveyed: 7/8/2007

36/W/03
 OS Catchment No: 123

Station Nos.	Biological Quality Ratings (Q Values)		
	2000	2002	2007
0700	4-5	4-5	4-5

Assessment: This surveillance site was of high status when surveyed in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0700	Letter Br	208500	365143	17	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0700	0	15	100	0	1	3	36	0	17	0	44

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

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

36/Y/01

Tributary of : Garadice Lake

OS Catchment No: 123

OS Grid Ref of Confluence: H 168 110

Date(s) Surveyed: 19/7/2007, 20/7/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1981	1985	1989	1993	1997	1998	2001	2004	2007
0050	-	-	-	-	-	4	4	4	2/0	4	4	3*
0100	-	-	-	5	5	-	-	-	4	-	-	-
0200	-	-	-	5	5	4	5	4-5	4	4-5	4	4
0300	-	-	-	-	-	3	5	-	-	-	-	-
0330	-	-	-	-	-	-	-	5	-	-	-	-
0340	-	-	-	-	-	3	-	-	-	-	-	-
0400	-	-	4-5	5	4-5	4-5	-	-	-	-	-	-
0600	3-4	4-5	4	4-5	4	4-5	-	-	-	-	-	-
0700	4	4-5	4-5	5	4	-	-	-	-	-	-	-
0800	4	5	4-5	5	4	3-4	-	-	-	-	-	-

Assessment: An unsatisfactory decline in ecological quality at Stralongford bridge (0050) was noted in 2007 with the limited macroinvertebrate fauna recorded indicating moderate pollution. Excessive siltation and instream plant growth were also noted. Ecological quality remained satisfactory at Mill bridge (0200) however some siltation and growth of filamentous algae were observed.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Stralongford Br	207422	316829	26	LM
0100	Br E of Boggaun	207906	314942	26	LM
0200	Br SE of Greaghglass	208193	312999	26	LM
0300	Br WNW of Mayo	209200	311900	26	LM
0330	Br just u/s Johns L	209605	310854	26	LM
0340	Br d/s St John's Lough	0	0	26	LM
0400	0.6km u/s Ballinamore Br	212400	311900	26	LM
0600	Br nr Riverdale (Aghoo)	213300	308900	26	LM
0700	Br at Derrygoan	215600	309500	26	LM
0800	S Br nr Aghyowla	216400	311000	26	LM

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	162	12	0	100	0	48	52	0	0	0	0
0100	120	17	0	100	0	45	44	0	10	0	1
0200	76	19	0	100	3	40	39	0	17	0	1
0330	60	100	2	98	38	3	19	0	27	7	6

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. 36

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.

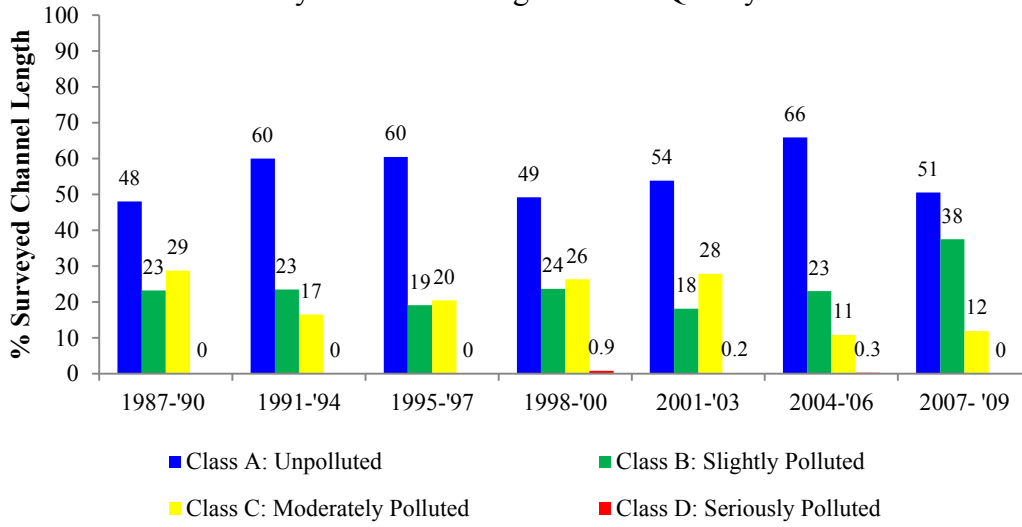
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aghacashlaun	2007	36A03	7.5	8.5	0.0	0.0	0.0	16.0
Aghnacliffe Stream	2007	36A06	5.0	0.0	0.0	0.0	0.0	5.0
Annadale Stream	2007	36A05	0.0	8.5	1.5	0.0	0.0	10.0
Annalee	2007	36A02	0.0	29.5	17.2	2.4	0.0	49.0
Avaghon lake Stream	2007	36A07	0.0	0.0	0.0	3.0	0.0	3.0
Bawnboy	2007	36B07	0.0	7.0	0.0	0.0	0.0	7.0
Blackwater (Newtowngore)	2007	36B04	0.0	15.5	3.0	0.0	0.0	18.5
Blackwater (Swanlinbar)	2007	36B03	0.0	2.5	0.0	0.0	0.0	2.5
Bunnoe	2007	36B05	0.0	15.5	5.5	0.0	0.0	21.0
Cavan	2007	36C02	0.0	14.0	0.0	7.0	0.0	21.0
Conawary (Upper)	2007	36C11	0.0	0.0	0.0	5.0	0.0	5.0
Cornavannoge	2007	36C04	0.0	16.0	0.0	0.0	0.0	16.0
Cullies	2007	36C03	0.0	2.5	10.0	3.5	0.0	16.0
Derradda Stream	2007	36D07	0.0	7.5	0.0	2.0	0.0	9.5
Dromore	2007	36D02	0.0	9.0	16.0	11.0	0.0	36.0
Drumane Stream ¹	2007	36D04	0.0	5.0	0.0	0.0	0.0	5.0
Erne	2007	36E01	0.0	0.0	57.0	3.0	0.0	60.0
Finn (Monaghan)	2007	36F01	0.0	10.5	14.0	0.0	0.0	24.5
Knappagh	2007	36K01	0.0	0.0	3.0	4.5	0.0	7.5
Laheen Stream	2007	36L02	0.0	6.5	4.5	0.0	0.0	11.0
Laragh	2007	36L01	0.0	11.0	10.5	0.0	0.0	21.5
Legga Stream	2007	36L03	0.0	0.0	5.0	0.0	0.0	5.0
Madabawn Stream	2007	36M02	0.0	4.0	6.5	0.0	0.0	10.5
Magherarney	2007	36M01	0.0	0.0	0.0	8.0	0.0	8.0
Maghery	2007	36M03	0.0	0.0	14.5	1.0	0.0	15.5
Owensallagh	2007	36O01	0.0	9.0	0.0	0.0	0.0	9.0
Rag (Cavan)	2007	36R01	0.0	7.5	0.0	0.0	0.0	7.5
Roo	2007	36R02	6.0	0.0	0.0	0.0	0.0	6.0
Stradone	2007	36S02	0.0	7.0	0.0	0.0	0.0	7.0
Swanlinbar	2007	36S01	10.0	2.0	0.0	0.0	0.0	12.0
Waterfoot ¹	2007	36W03	6.5	0.0	0.0	0.0	0.0	6.5
Yellow (Ballinamore)	2007	36Y01	0.0	8.5	3.0	1.5	0.0	13.0
Total Length (km) surveyed this cycle	2007		35.0	207.0	171.2	51.9	0.0	465.0
Adjustments (km) (See below)*			6.5	5.0	0.0	-2.5	0.0	9.0
<i>Percentages</i>			6.3	44.3	37.5	11.9	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		230.5	171.2	54.4	0.0	456.0	
<i>Percentages</i>			50.5	37.5	11.9	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		296.0	108.0	50.5	1.5	456.0	
<i>Percentages</i>			64.9	23.7	11.1	0.3		
Changes since Previous Survey (km)			-65.6	63.2	3.9	-1.5	0.0	

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

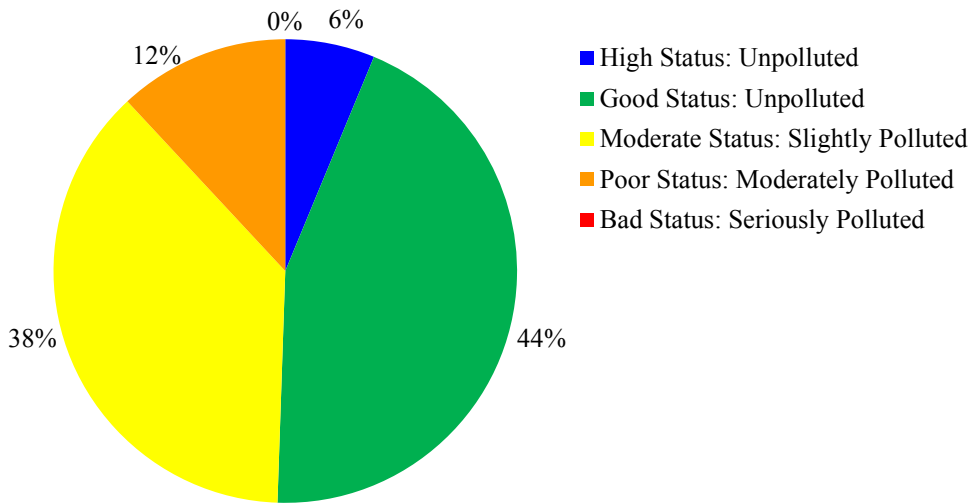
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 36 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 36 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 39 (Lough Swilly)	
AGHAWHEEL	39A01
BULLABA	39B01
BURNFOOT	39B02
CAMOWEN (CRANA)	39C08
CASHELNACOR	39C01
CORRAVADDY BURN	39C03
CRANA	39C02
DOOBALLAGH BURN	39D02
DRUMBARNET STREAM	39D03
DRUMHALLAGH	39D01
GLASHAGH (UPPER)	39G01
GLASKEELAN	39G05
GLENALLA	39G03
GLENVAR	39G04
LEANNAN	39L01
LESLIE HILL STREAM	39L05
LOWNAGH	39L04
LURGY	39L02
# MAGGY'S BURN	39M01
MILL (DONEGAL)	39M02
OWENBOY (CRANA)	39O04
OWENERK	39O02
OWENNASOP	39O05
OWENWEE (LOUGH GARTAN)	39O03
SKEOGE	39S01
SWILLY	39S02

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

River and Code : **AGHAWHEEL**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 305 377
 Date(s) Surveyed: 18/9/2007

39/A/01
 OS Catchment No: a7

Station Nos.	Biological Quality Ratings (Q Values)								
	1987	1988	1989	1991	1996	1998	2001	2004	2007
0100	1	2-3/0	3/0	1-2	-	-	-	-	-
0300	2/0	-	3	-	3	3	3	3	-
0400	2/0	2-3/0	4	4	4-5	3	4	4-5	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge W. of Corveen	234043	437779	0	DL
0300	Ballyannan Bridge	232232	437679	3	DL
0400	Castle Ross Bridge	230783	437959	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	69	3	100	0	1	15	43	0	19	0	22
0400	23	10	100	0	23	4	32	0	28	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.

Hydrometric Area 39 (2007)

River and Code : **BULLABA**
 Tributary of : Lough Gartan
 OS Grid Ref of Confluence: C 037 148
 Date(s) Surveyed: 8/8/2007

39/B/01
 OS Catchment No: 31

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2004	2007
0100	5	5	5	5	5	5	5

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Roadside 0.6 km u/s Owenwee River	201100	413760	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	79	15	100	0	0	0	68	0	0	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 : **BURNFOOT**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 352 238
 Date(s) Surveyed: 17/9/2007

39/B/02
 OS Catchment No: 35

Station Nos.	Biological Quality Ratings (Q Values)					
	1987	1991	1996	1998	2004	2007
0100	3	4-5	-	-	-	-
0200	4-5	4-5	4-5	4-5	3-4	-
0500	3	4	-	-	-	-
0600	3-4	4-5	4	4	4	3-4

Assessment: The condition of the Burnfoot had deteriorated since the 2004 survey.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br S Thompsons Town	244232	425630	0	DL
0200	Br SW of Gortcormacan	241721	424590	7	DL
0500	Glen Br	240392	424257	0	DL
0600	Bridge in Burnfoot	237963	423688	7	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	36	10	100	0	42	4	24	2	10	0	19
0600	8	21	100	0	49	2	19	2	12	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 : **CAMOWEN (CRANA)** **39/C/08**
 Tributary of : 39C02 CRANA OS Catchment No: 9
 OS Grid Ref of Confluence: C 452 339
 Date(s) Surveyed: 18/9/2007

Station Nos.	2004	Biological Quality Ratings (Q Values)	2007
0100	3		3

Assessment: The Camowen, which is a tributary of the Crana (q.v.) was again moderately polluted - i.e. of poor ecological status when surveyed in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	0.1km u/s confluence with Meenatomish River	245304	433975	0	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	151	5	100	0	2	15	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 39 (2007)

River and Code : **CASHELNACOR**

39/C/01

Tributary of : 39C02 CRANA

OS Catchment No: 9

OS Grid Ref of Confluence: C 358 345

Date(s) Surveyed: 18/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0200	4-5	5	4-5	3-4	4	4	4

Assessment: Satisfactory, no change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge u/s Crana River confl	235846	434602	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	40	7	100	0	25	1	51	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 : **CORRAVADDY BURN**

39/C/03

Tributary of : 39S02 SWILLY

OS Catchment No: 51

OS Grid Ref of Confluence: C 192 112

Date(s) Surveyed: 9/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0140	4-5	4	-	-	-	-	-
0250	4-5	4	4	4	4	2/0	2-3/0

Assessment: Recently dead macroinvertebrates (which is an unusual occurrence) were again noted at this site as in 2004. This together with the generally poor quality of the faunal community found in the Corravaddy Burn suggests that toxic influences are an ongoing issue. The river runs through a residential area with septic tanks and there is a concrete plant in the upper catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0140	Second Br u/s Cullion Bridge	217580	408827	0	DL
0250	Br d/s Cullion Br	219164	410207	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0250	10	8	82	18	36	4	14	0	2	0	44

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

River and Code : **CRANA**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 344 325
 Date(s) Surveyed: 18/9/2007

39/C/02
 OS Catchment No: 9

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1977	1981	1986	1987	1991	1996	1998	2001	2004	2007
0100	5	5	5	4-5	5	4-5	4-5	4	4	3-4	3
0200	-	-	5	5	5	4	4	4	-	-	-
0225	-	-	-	-	-	-	-	-	4	4	3
0300	5	5	5	4-5	4-5	5	-	-	4-5	4	3
0350	-	-	-	-	-	-	4-5	4	-	-	-
0400	5	4-5	4-5	4	5	4	-	-	-	-	-
0500	5	5	5	4	5	4-5	4	4	4	4	4

Assessment: The Crana River appeared to be suffering from a significant decline in water quality over most of its length (0100, 0225, 0300) when surveyed in September 2007. Normally these sites have a reasonably good range of pollution-sensitive mayflies and stoneflies but these were lacking in 2007. At the bridge in Bunrana (0500) water quality was again satisfactory (Q4).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge near Stracarragh	244118	434265	3	DL
0200	0.3 km d/s Glashagh (Crana) confl.	241003	434189	3	DL
0225	Br N Stranaclea	240330	434100	0	DL
0300	Br NNW Druminderry	238800	434300	0	DL
0350	Br d/s Druminderry Br	237930	434502	3	DL
0400	Cockhill Br	235367	433744	3	DL
0500	First Br d/s Br at Cock Hill	234816	432897	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	120	27	97	3	1	7	78	0	0	4	11
0200	98	45	97	3	6	7	74	0	0	2	10
0350	64	52	97	3	8	6	74	0	0	2	10
0400	26	96	98	2	12	4	70	0	3	1	10
0500	13	98	98	2	12	4	69	1	4	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 : **DOOBALLAGH BURN**

39/D/02

Tributary of : Sea - Lough Swilly

OS Catchment No: 51

OS Grid Ref of Confluence: C 231 105

Date(s) Surveyed: 8/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0100	4-5	-	-	-	-	-	-
0110	4-5	4-5	3	4	4-5	4	-
0200	5	5	4-5	4-5	4-5	4	3

Assessment: A significant drop in quality was noted in the Dooballagh vis a vis 2004 with no pollution-sensitive taxa - previously commonly found here - present in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br N Knockbrack	219970	407612	0	DL
0110	100m d/s Br N Knockbrack	220000	407698	6	DL
0200	Bridge N Pluck Mill	222868	410325	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0110	90	5	29	71	42	0	27	0	18	0	14
0200	9	11	68	32	67	0	14	0	12	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 : **DRUMBARNET STREAM**

39/D/03

Tributary of : Sea - Lough Swilly

OS Catchment No: 51

OS Grid Ref of Confluence: C 305 188

Date(s) Surveyed: 17/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1989	1991	1996	1998	2004	2007
0600	2	2	2-3	2-3/0	2	2-3	2-3B

Assessment: Water quality in the Drumbarnet Stream was again unsatisfactory in September 2007. The main pressures appear to be from agricultural practices in the catchment.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0600	Bridge N. of Moyle	229865	416938	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0600	6	9	100	0	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 : **DRUMHALLAGH**

39/D/01

Tributary of : Sea - Lough Swilly

OS Catchment No: 32

OS Grid Ref of Confluence: C 296 328

Date(s) Surveyed: 10/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1996	1998	2001	2004	2007
0100	4	4-5	-	-	-	-	-
0300	4-5	5	-	-	-	-	-
0400	-	-	5	-	4-5	4-5	-
0500	4	5	-	4	3-4	3	3-4

Assessment: A slight improvement in quality was noted at Drumhallagh Bridge (0500) in comparison with 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S.E. of Lurganboy	226680	430350	0	DL
0300	Br NW Keranstown	227649	431038	0	DL
0400	Br N of Lugher	228244	431731	3	DL
0500	Drumhallagh Bridge	229618	432580	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	54	7	100	0	0	0	76	0	24	0	0
0500	2	15	100	0	5	2	65	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 : **GLASHAGH (UPPER)**

39/G/01

Tributary of : 39L01 LEANNAN

OS Catchment No: 31

OS Grid Ref of Confluence: C 114 157

Date(s) Surveyed: 8/8/2007, 9/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2004	2007
0200	5	5	5	4-5	4-5	3	4
0400	5	4-5	5	4-5	4-5	3	3-4

Assessment: The Glashagh (Upper) improved somewhat in comparison with the 2004 results with improved conditions observed at Station 0200 (from Q3 to Q4). A slight improvement was also noted at the lower site (0400) upstream of the confluence with the Leannan River (q.v.). Both sites are, however, now of much lower quality than in 2001 and in years previous to that when they were at high status.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Drumbologe Br	208159	413207	6	DL
0400	Bridge u/s Leannan River	209629	415234	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	65	17	100	0	0	0	56	0	30	0	14
0400	42	26	100	0	8	1	51	0	27	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 : **GLASKEELAN**
 Tributary of : Lough Gartan
 OS Grid Ref of Confluence: C 051 164
 Date(s) Surveyed: 8/8/2007

39/G/05

OS Catchment No: 31

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2004	2007
0100	4-5	4-5	4	4	3-4	4	3-4

Assessment: Status declined again in 2007 in this Lough Gartan tributary with at the time of sampling a lack of the more sensitive species historically found at the site surveyed. The catchment is impacted by forestry activities.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glaskeelan Br	205190	417345	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	71	16	97	3	0	0	72	0	2	3	23

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

River and Code : **GLENALLA**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 258 253
 Date(s) Surveyed: 10/8/2007

39/G/03
 OS Catchment No: 33

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1996	1998	2001	2004	2007
0100	4-5	4-5	-	-	-	-	-
0180	-	-	4-5	3-4	4	4	4
0200	4	4-5	-	-	-	-	-

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Glentidaly Bridge	223998	427273	2	DL
0180	Headleys Br (900m u/s Ray Br)	225111	425542	2	DL
0200	Br 450 m u/s Ray Br	225474	425280	0	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	87	5	100	0	8	8	43	0	5	0	35
0180	14	9	100	0	14	10	44	0	6	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 : **GLENVAR**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 270 359
 Date(s) Surveyed: 10/8/2007

39/G/04
 OS Catchment No: 10

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1991	1996	1998	2001	2004	2007
0200	4	4	-	-	-	-	-
0300	4-5	4-5	4-5	4	4-5	4-5	4-5

Assessment: The Glenvar River was again of high status in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Meentagh Bridge	225199	433787	0	DL
0300	Br at Milltown	226554	434982	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	32	9	100	0	19	0	71	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 : **LEANNAN**

39/L/01

Tributary of : Sea - Lough Swilly

OS Catchment No: 31

OS Grid Ref of Confluence: C 227 213

Date(s) Surveyed: 9/8/2007, 10/8/2007, 17/9/2007

Station Nos.							Biological Quality Ratings (Q Values)				
	1973	1977	1980	1985	1988	1991	1996	1998	2001	2004	2007
0100	-	-	5	4-5	4	4	4-5	4-5	4-5	4-5	4-5
0200	5	4-5	5	4-5	4-5	5	-	-	-	4	4
0250	-	-	-	-	-	-	-	-	-	3-4	-
0300	5	4-5	5	5	4-5	4-5	4	5	4	3-4	3
0400	5	4	-	-	5	4	-	-	-	-	-
0450	-	-	5	4-5	4	-	-	-	-	-	-
0500	4-5	4	3-4	3-4	4	4-5	4	4-5	3-4	4	4
0600	4-5	4-5	4	4	4	5	4	4-5	4	4	4
0700	-	-	4	-	-	-	-	-	-	-	-
0800	5	5	4	5	4	4-5	4-5	4-5	4	4-5	4-5

Assessment: The upper sections of the Leannan were satisfactory in August 2007 (0100, 0200). Dromore Bridge (0300) was once again polluted as in 2004. A recovery was noted in the lower stretches (0500, 0600 and 0800).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Gartan Bridge	206881	416990	6	DL
0200	Barrack Bridge	209517	415967	0	DL
0250	Bellanaed Bridge	211383	416406	0	DL
0300	Dromore Bridge	212486	417658	6	DL
0400	Milltown Br	214513	419996	0	DL
0450	At Ballyboe u/s Lurgy River	214965	420807	0	DL
0500	Ballydone Br (u/s L Fern)	216451	421904	6	DL
0600	Drumman Br (d/s L Fern)	219011	421891	6	DL
0700	Bridge at Claragh	220277	420112	6	DL
0800	Br NNE Bayhill	221996	420893	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	69	77	98	1	0	2	59	0	14	4	21
0300	33	136	99	1	9	3	50	0	17	2	19
0500	17	188	99	1	15	3	45	0	18	2	17
0600	16	211	99	1	20	3	41	0	17	2	17
0700	8	245	99	1	23	3	37	1	19	2	16
0800	2	255	99	1	24	3	35	1	19	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 : **LESLIE HILL STREAM**

39/L/05

Tributary of : Sea - Swilly Estuary

OS Catchment No: 51

OS Grid Ref of Confluence: C 236 101

Date(s) Surveyed: 8/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0400	4-5	5	-	3-4*	4	4	-
0600	4	5	4-5	4	4-5	4	4

Assessment: Satisfactory.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Bridge W. of Kinraigy	223097	408248	6	DL
0600	Br at Labbadish	223927	409632	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	30	12	85	15	60	1	9	0	14	0	16
0600	11	17	75	25	55	1	8	0	19	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 : **LOWNAGH**
 Tributary of : 39S02 SWILLY
 OS Grid Ref of Confluence: C 061 093
 Date(s) Surveyed: 8/8/2007

39/L/04
 OS Catchment No: 51

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0100	5	4	-	-	-	-	-
0200	-	-	4-5	4-5	4	4	4

Assessment: The Lownagh was in satisfactory condition in August 2007. A poor quality cattle access point at Station 0200 did pose a threat to water quality in the river.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW Ballygallan	206036	407369	0	DL
0200	Br u/s Leannan R confl	206132	409138	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	68	5	100	0	8	0	80	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 : **LURGY**
 Tributary of : 39L01 LEANNAN
 OS Grid Ref of Confluence: C 150 208
 Date(s) Surveyed: 9/8/2007

39/L/02
 OS Catchment No: 31

Station Nos.							Biological Quality Ratings (Q Values)				
	1973	1977	1980	1985	1988	1991	1996	1998	2001	2004	2007
0050	-	-	4	3	4	3-4	-	-	-	-	-
0070	-	-	-	-	-	3-4	-	-	-	-	-
0100	-	-	4	4-5	4	5	4	4	3	4	4
0200	5	4-5	4	4-5	4-5	5	-	-	-	-	-
0300	4-5	4-5	3	4	3	4-5	3	4	4	3	3

Assessment: The upper part of the Lurgy as represented by Goldrum Br (0100) was satisfactory in August 2007 but the lower site (0300) upstream of its confluence with the Leannan (q.v.) was again moderately polluted due primarily to sewage discharges.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge E. of Drumfin	209100	422000	0	DL
0070	Br u/s Camowen R confl	210031	423783	0	DL
0100	Goldrum Bridge	212254	422915	6	DL
0200	Procklis Bridge	213700	420900	0	DL
0300	Bridge u/s Leannan River	214924	421057	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	70	16	95	5	28	0	48	0	14	0	10
0300	21	39	98	2	32	3	40	1	17	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 : **MAGGY'S BURN**

39/M/01

Tributary of : Lough Fern

OS Catchment No: 31

OS Grid Ref of Confluence: C 184 247

Date(s) Surveyed: 10/8/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1973	1977	1979	1981	1985	1988	1989	1990	1991	1996	1998	2001	2004	2007
0080	-	-	-	-	-	3	-	-	-	-	-	-	-	-
0100	4-5	4	3	3-4	4	2/0	3/0	3	3	-	-	-	-	-
0150	-	-	-	-	-	1/0	1-2	2	2	-	-	-	-	-
0200	1	1	1	2	2	1/0	1	1	1-2	-	-	-	-	-
0300	2	1	1	3	2-3	1	2	-	2	2	3	2	2	2

Assessment: The Maggy's Burn was seriously polluted when surveyed in August 2007. This small river is affected by discharges from the town of Milford.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	200 m u/s Br in Milford	219460	426791	2	DL
0100	Bridge in Milford	219500	426700	0	DL
0150	D/s Br in Milford (u/s STW)	219252	426489	2	DL
0200	D/s Milford (d/s STW)	218956	426314	2	DL
0300	Br Just u/s Lough Fern	218592	424904	2	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0080	34	3	100	0	47	0	31	2	0	0	20
0150	29	4	100	0	49	0	27	7	0	0	17
0200	27	4	100	0	52	0	23	7	2	0	15
0300	20	9	100	0	51	0	16	4	15	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 : **MILL (DONEGAL)**

39/M/02

Tributary of : Sea - Lough Swilly

OS Catchment No: 34

OS Grid Ref of Confluence: C 346 314

Date(s) Surveyed: 25/9/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1973	1980	1985	1989	1991	1996	1998	2004	2007
0050	-	5	4-5	4-5	5	5	4-5	4	4-5
0100	5	5	5	5	5	5	4-5	4	-
0200	-	3-4	4-5	4	4-5	-	-	-	-
0300	-	2	3	3-4	4	3-4	4	4	3

Assessment: The upper site on the Mill river (0050) had improved to high status once again. Unfortunately the lower site in Buncrana (0300) had decline in quality in comparison with 2004. Oil pollution was evident on the day of sampling and a strong smell of diesel was noted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Ford NE Owenkillew and Barnahone	240743	430044	3	DL
0100	Bridge SW of Tullydush	238343	430153	3	DL
0200	Br u/s old Railway Br	235100	431600	3	DL
0300	D/s Old Railway Br	234965	431639	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	129	16	100	0	0	24	60	0	0	0	15
0100	81	26	99	1	2	19	57	0	0	0	22
0300	9	44	96	4	10	15	57	1	2	0	15

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

River and Code : **OWENBOY (CRANA)** **39/O/04**
 Tributary of : 39C02 CRANA OS Catchment No: 9
 OS Grid Ref of Confluence: G 369 344
 Date(s) Surveyed: 18/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1987	1991	1996	1998	2004	2007
0100	4	4	-	-	-	-
0400	5	4-5	4-5	4-5	4	3-4

Assessment: A decline in quality was noted in the Owenboy in 2007 when compared with previous surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Carroghill Bridge	238579	439049	0	DL
0400	Kinnagoe Bridge	237547	435508	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	62	28	100	0	11	0	77	0	6	0	6

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

River and Code : **OWENERK**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 292 394
 Date(s) Surveyed: 20/9/2007

39/O/02
 OS Catchment No: 8

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1980	1985	1987	1991	1996	1998	2001	2004	2007
0100	5	5	5	4-5	5	5	5	4-5	4	-
0200	5	5	5	5	4-5	5	5	5	4-5	3-4*

Assessment: Status had disimproved in the Owenerk in 2007 in comparison with 2004. The upstream catchment was noted as having had significant clear-felling of forests and replanting of new trees.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Owenerk Bridge	232491	441500	3	DL
0200	Br SW Milltown	229778	439585	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	116	9	100	0	0	0	99	0	1	0	0
0200	10	20	100	0	2	2	80	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 : **OWENNASOP**
 Tributary of : 39C02 CRANA
 OS Grid Ref of Confluence: C 440 344
 Date(s) Surveyed: 18/9/2007

39/O/05
 OS Catchment No: 9

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1991	1996	1998	2001	2004	2007
0100	4-5	4-5	4	4	3-4	3	3

Assessment: The Owennasop again showed significant signs of eutrophication and ecological impact in 2007 - it is believed due to the impact of the new Pollan dam upstream of Station 0100.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Camowen R confl	244148	434373	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	121	16	95	5	1	3	78	0	0	7	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 : **OWENWEE (LOUGH GARTAN)** **39/O/03**
 Tributary of : 39B01 BULLABA OS Catchment No: 31
 OS Grid Ref of Confluence: C 013 137
 Date(s) Surveyed: 8/8/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1988	1991	1996	1998	2001	2004	2007
0100	4-5	4-5	3-4	4-5	4	4	4

Assessment: This tributary of Lough Gartan was in satisfactory condition in August 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br NW Stramore	201536	413468	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	77	9	100	0	0	0	67	0	0	0	33

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

River and Code : **SKEOGE**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 354 232
 Date(s) Surveyed: 17/9/2007

39/S/01
 OS Catchment No: 51

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1985	1987	1988	1991	1996	1998	2004	2007
0050	-	-	3	-	3	3	3	3	3
0100	3-4	3	2-3	3	2-3	-	-	-	-
0200	-	-	2-3	3	3	-	-	-	-
0300	-	3	2-3	3	2-3	2-3	3	3	2-3

Assessment: The Skeoge was once again moderately polluted at both sites surveyed in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br SW Drumadooey	240996	423105	7	DL
0100	Bridge E. of Skeoge	239600	422000	0	DL
0200	Bridge N. of Skeoge	238800	422600	0	DL
0300	Bridge u/s Lough Swilly	237864	423024	7	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	42	3	100	0	62	0	0	0	37	0	1
0300	5	18	100	0	51	0	8	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 : **SWILLY**
 Tributary of : Sea - Lough Swilly
 OS Grid Ref of Confluence: C 195 117
 Date(s) Surveyed: 8/8/2007, 9/8/2007

39/S/02

OS Catchment No: 51

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1980	1985	1987	1991	1996	1998	2001	2004	2007
0050	-	5	5	5	4-5	5	4-5	4-5	4	4-5	4	4
0100	-	-	-	5	5	4	4-5	4	4-5	4-5	4-5	-
0190	-	-	-	-	-	-	3-4	-	-	-	-	-
0200	5	5	5	5	5	5	3/0	4	5	4-5	4	3

Assessment: The upper site (0050) was still of good status but the lower site (0200) had dropped in quality since the 2004 survey. This latter especially represents quite a serious long-term decline since the 1991- 1994 period when it was generally of high status at this location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Swilly Br (near Breenagh)	205979	409165	6	DL
0100	Br N Rashedoge	210276	410021	6	DL
0190	75m u/s Br at Newmills	212246	409109	0	DL
0200	Bridge at Newmills	212277	409118	6	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	67	18	100	0	18	18	30	0	0	0	34
0100	31	44	100	0	22	10	45	0	2	0	21
0200	14	53	100	0	20	10	47	0	4	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.

NWIRBD: HYDROMETRIC AREA NO. 39

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.

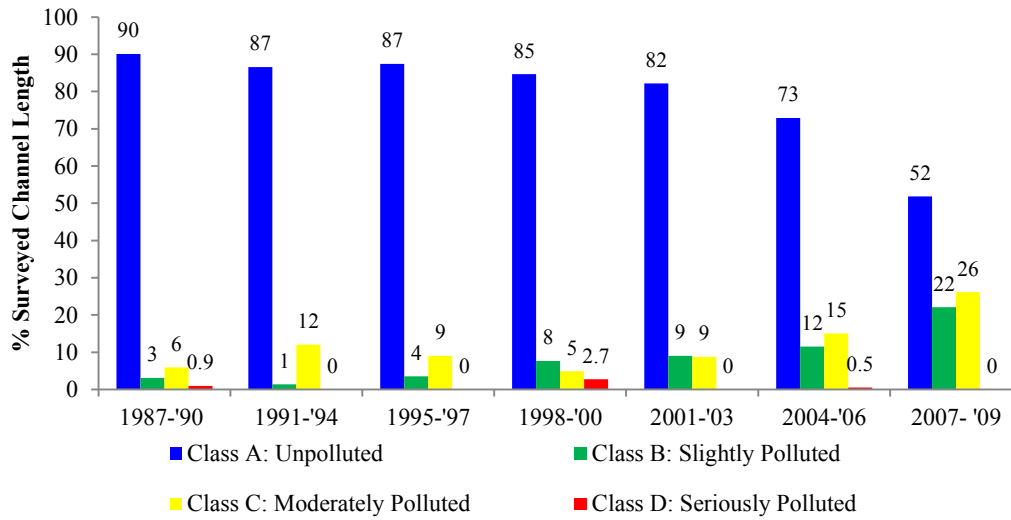
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Aghaweel	2007	39A01	0.0	1.5	0.5	0.0	0.0	2.0
Bullaba	2007	39B01	6.0	0.0	0.0	0.0	0.0	6.0
Burnfoot	2007	39B02	0.0	0.0	10.0	0.0	0.0	10.0
Camowen (Crana) ¹	2007	39C08	0.0	0.0	0.0	3.0	0.0	3.0
Cashelnacor	2007	39C01	0.0	2.5	0.0	0.0	0.0	2.5
Corravaddy Burn	2007	39C03	0.0	0.0	0.0	5.0	0.0	5.0
Crana	2007	39C02	0.0	2.5	3.0	11.5	0.0	17.0
Dooballagh Burn	2007	39D02	0.0	0.0	0.0	6.0	0.0	6.0
Drumbarnet Stream	2007	39D03	0.0	0.0	0.0	5.0	0.0	5.0
Drumhallagh	2007	39D01	3.5	0.0	0.0	0.5	0.0	4.0
Glashagh (Upper)	2007	39G01	0.0	8.0	1.5	0.0	0.0	9.5
Gliskeelan	2007	39G05	0.0	0.0	4.5	0.0	0.0	4.5
Glenalla	2007	39G03	0.0	5.0	0.0	0.0	0.0	5.0
Glenvar	2007	39G04	3.0	0.0	0.0	0.0	0.0	3.0
Leannan	2007	39L01	12.2	7.5	3.3	1.6	0.0	24.5
Leslie Hill Stream	2007	39L05	0.0	4.5	0.0	0.0	0.0	4.5
Lownagh	2007	39L04	0.0	4.0	0.0	0.0	0.0	4.0
Lurgy	2007	39L02	0.0	7.0	0.0	0.5	0.0	7.5
Mill (Donegal)	2007	39M02	5.5	4.5	0.0	0.5	0.0	10.5
Maggy's Burn ¹	2007	39M01	0.0	1.0	0.0	2.0	0.0	3.0
Owenboy (Crana)	2007	39O04	0.0	0.0	5.0	0.0	0.0	5.0
Owenerk	2007	39O02	0.0	0.0	8.0	0.0	0.0	8.0
Owennasop	2007	39O05	0.0	0.0	0.0	4.0	0.0	4.0
Owenwee (Lough Gartan)	2007	39O03	0.0	4.5	0.0	0.0	0.0	4.5
Skeoge	2007	39S01	0.0	0.0	0.0	7.0	0.0	7.0
Swilly	2007	39S02	5.3	5.8	0.0	6.0	0.0	17.0
Total Length (km) surveyed this cycle	2007		35.4	58.2	35.8	52.6	0.0	182.0
Adjustments (km) (See below)*			0.0	-1.0	-4.5	5.0	0.0	-0.5
<i>Percentages</i>			19.4	32.5	22.1	26.1	0.0	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		94.6	40.3	47.6	0.0	182.5	
<i>Percentages</i>			51.8	22.1	26.1	0.0	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		133.0	21.0	27.5	1.0	182.5	
<i>Percentages</i>			72.9	11.5	15.1	0.5		
Changes since Previous Survey (km)			-38.4	19.3	20.1	-1.0	0.0	

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

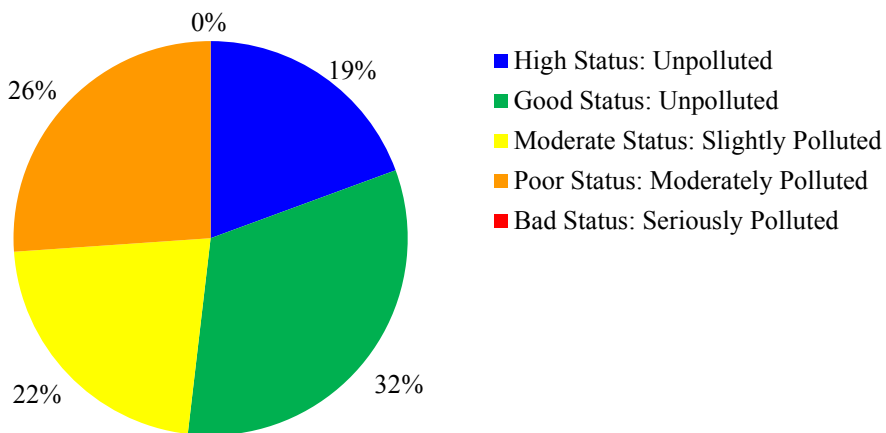
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 39 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 39 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



HYDROMETRIC AREA 40 (Donagh – Moville)	
BALLYBOE	40B03
BALLYHALLAN	40B01
# BREDAGH	40B02
CABRY	40C03
CLONMANY	40C01
CLOONTAGH	40C04
CULDAFF	40C02
DONAGH	40D01
DRUNG	40D02
GLENNAGANNON	40G01
KEENAGH	40K01
LONG GLEN	40L01
LOUGH NASTACKAN STREAM	40L03
MALIN STREAM	40M01
PORTALEEN	40P02
# ROOSKY	40R01
STRAID	40S01

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

River and Code : **BALLYBOE** **40/B/03**
 Tributary of : Sea - Trawbreaga Bay(at Malin) OS Catchment No: a
 OS Grid Ref of Confluence: C 473 499
 Date(s) Surveyed: 19/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0400	4	4	4	4	4	4	4B

Assessment: Satisfactory - no major change.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br u/s Malin Br	248114	449702	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	5	8	100	0	59	0	29	0	12	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 : **BALLYHALLAN**

40/B/01

Tributary of : 40C01 CLONMANY

OS Catchment No: 4

OS Grid Ref of Confluence: C 371 463

Date(s) Surveyed: 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0100	4-5	3	4-5	-	-	-	-
0200	5	4	4-5	5	4	4	3

Assessment: The Ballyhallan suffered a serious decline in quality in 2007 in comparison with all previous surveys.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Bridge S.W. of Tirhoran	235864	444238	3	DL
0200	Bridge u/s Clonmany River	236909	446031	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	98	6	100	0	8	0	67	0	0	0	25
0200	19	9	100	0	16	0	56	0	3	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 : **BREDAGH**
 Tributary of : Sea - Lough Foyle
 OS Grid Ref of Confluence: C 611 382
 Date(s) Surveyed: 21/9/2007

40/B/02
 OS Catchment No: 13

Station Nos.	Biological Quality Ratings (Q Values)										
	1973	1977	1987	1988	1989	1993	1996	1998	2001	2004	2007
0200	5	5	4-5	-	-	3	4-5	4	4-5	4-5	4-5
0300	5	4	4	-	-	-	-	-	-	-	-
0400	-	-	2	1	1	1	1	1-2	2	2	2

Assessment: The upper station sampled on the Bredagh (0200) was of high status in September 2007. The station at the bridge in Moville was, however, once again seriously polluted due to municipal discharges.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Moglass Bridge	258225	442594	3	DL
0300	1 km u/s Moville Bridge	260530	439000	4	DL
0400	Br in Moville	261059	438427	4	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	108	6	100	0	11	0	83	0	2	0	4
0400	7	18	100	0	40	0	49	1	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 : **CABRY**
 Tributary of : Sea - Lough Foyle
 OS Grid Ref of Confluence: C 518 311
 Date(s) Surveyed: 25/9/2007

40/C/03

OS Catchment No: 11

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0100	4	4	-	-	-	-	-
0200	5	4	5	4	4-5	4	4

Assessment: The Cabry remained in good status in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br u/s Pollan R confl	249128	433392	3	DL
0200	Bridge u/s Lough Foyle	251474	431328	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	5	11	99	1	29	1	44	0	5	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 : **CLONMANY**
 Tributary of : Sea - Tullagh Bay
 OS Grid Ref of Confluence: C 358 482
 Date(s) Surveyed: 20/9/2007

40/C/01
 OS Catchment No: 4

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1980	1985	1987	1993	1996	1998	2001	2004	2007
0090	-	-	-	-	-	4-5	-	-	-	-
0100	-	3-4	4-5	4	3	3-4	4	4	2-3	3
0150	5	4	4-5	4	4	-	-	-	-	-
0200	4	4-5	4	3-4	4	4	4	4	3	3
0300	-	4	4	4	-	-	-	-	-	-

Assessment: Both sites surveyed on the Clonmany river in September 2007 were moderately polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0090	0.4 km u/s Meendoran Br (u/s WTW effluent)	238996	444206	3	DL
0100	Meendoran Bridge	239063	444418	3	DL
0150	Cleahagh Bridge	238000	445900	3	DL
0200	Bridge W. of Clonmany	237113	446383	3	DL
0300	S.W. of Binion House	236100	447800	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0090	46	12	100	0	11	0	51	0	5	6	26
0100	42	13	100	0	11	0	50	0	7	6	26
0200	13	37	100	0	23	0	56	1	6	2	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 : **CLOONTAGH**
 Tributary of : 40C01 CLONMANY
 OS Grid Ref of Confluence: C 385 451
 Date(s) Surveyed: 20/9/2007

40/C/04
 OS Catchment No: 4

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0400	4-5	4	4-5	4	4	4	3

Assessment: The Cloontagh suffered a drop in quality in September 2007 in comparison with 2004.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Gortaran Bridge	238737	445028	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	35	14	100	0	18	0	75	0	4	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 : **CULDAFF**
 Tributary of : Sea - Culdaff Bay
 OS Grid Ref of Confluence: C 532 494
 Date(s) Surveyed: 19/9/2007

40/C/02
 OS Catchment No: 12

Station Nos.	Biological Quality Ratings (Q Values)											
	1973	1980	1985	1987	1988	1989	1993	1996	1998	2001	2004	2007
0050	-	4	4-5	2-3	2-3	2	4	3-4	3	4	4	-
0100	4-5	4-5	4-5	3	-	-	4	4	4	4	3-4	3
0150	5	4	4	4	-	-	4	3-4	3-4	4	4	3

Assessment: A further deterioration in water quality was seen at both sites on the Culdaff River in September 2007 with a lack of any of the normal range of pollution sensitive macroinvertebrate species being especially notable.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Bridge S Gleneely	254652	443448	3	DL
0100	Gleneely Bridge	251873	446209	3	DL
0150	Bridge near Holmes	252613	448560	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	51	17	100	0	13	0	69	0	13	0	5
0100	15	47	100	0	32	0	55	0	10	0	4
0150	2	58	96	4	35	0	49	0	10	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 : **DONAGH**

40/D/01

Tributary of : Sea - Trawbreaga Bay

OS Catchment No: 6

OS Grid Ref of Confluence: C 465 480

Date(s) Surveyed: 20/9/2007, 25/9/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1973	1977	1980	1985	1987	1988	1989	1993	1996	1998	2001	2004	2007
0020	-	-	-	-	-	5	-	-	4-5	-	-	-	-	-
0040	-	-	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5	4
0050	-	5	-	5	4-5	4	-	-	4	-	-	-	-	-
0100	-	5	-	5	4-5	4-5	-	-	4	4-5	4-5	4	4	-
0200	5	-	4-5	4	4	4-5	-	-	4	-	-	-	-	-
0300	-	-	-	1/0	1-2	1	1	2	1	1	-	1-2	4-5	3
0310	-	-	1	-	-	-	-	4	-	-	1	-	-	-
0400	1	2	1	1	2-3	1	1-2	3-4	2-3	1-2	1-2	2	4	3

Assessment: An overall deterioration in quality was noted in the Donagh. The upper site (0040) declined from high status to good status (Q4) with a loss of most of its pollution-sensitive species. The lower sites which had previously shown a major improvement following the commissioning of a new wastewater treatment plant (WWTP) downstream of Carndonagh both dropped to Q3 indicating that the river is moderately polluted in the vicinity of Carndonagh and immediately downstream (albeit upstream of the new WWTP).

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0020	Minehill Bridge	247895	437758	3	DL
0040	Br d/s Johnston's Br	247328	439797	3	DL
0050	Bridge E. of Whin Park	247065	440640	3	DL
0100	Bridge u/s Carndonagh Br	246483	443968	3	DL
0200	Carndonagh Bridge	246813	445146	3	DL
0300	1.5 km d/s Carndonagh Br	247142	445869	3	DL
0310	Millrace Str nr St 0300	247139	445860	3	DL
0400	Corvish Bridge	247368	447458	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	83	10	95	5	11	10	46	0	0	0	34
0100	48	28	95	5	21	4	58	0	3	0	14
0300	19	33	95	5	26	3	52	2	4	0	13
0310	19	33	95	5	26	3	52	2	4	0	13
0400	5	34	96	4	28	3	51	3	4	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.

Hydrometric Area 40 (2007)

River and Code : **DRUNG** **40/D/02**
 Tributary of : Sea - Lough Foyle OS Catchment No: 14
 OS Grid Ref of Confluence: C 540 340
 Date(s) Surveyed: 21/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0200	4	4-5	4	3-4	4	4	4

Assessment: The Drung River remained in satisfactory condition in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at Vances Point	253931	434079	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	5	8	100	0	17	9	28	1	39	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 : **GLENNAGANNON**

40/G/01

Tributary of : Sea - Trawbreaga Bay

OS Catchment No: 7

OS Grid Ref of Confluence: C 474 482

Date(s) Surveyed: 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1973	1977	1981	1985	1987	1993	1996	1998	2001	2004	2007
0010	-	-	-	5	4	4-5	4	-	-	-	-	-
0015	-	-	-	-	-	-	-	4-5	5	4-5	4-5	4-5
0100	5	5	4	4-5	5	4	4	3-4	4	4	-	-
0200	5	5	4	4-5	5	4	4-5	4-5	4	4	4	3-4

Assessment: The Glennagannon remained in high status in its upper reaches (0015) but a decline in quality to moderate status (Q3-4) was noticed at the lower site Strawbridge Bridge (0200) compared with 2004. The lower stretch flows through part of Carndonagh town and joins the Donagh (q.v.) downstream of Station 0200.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0010	Bridge d/s Lough Inn	251500	439200	0	DL
0015	Br SW Shones Hill	249822	440795	3	DL
0100	Glennagannen Br	247797	445025	3	DL
0200	Strawbridge Br	247880	447642	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0015	147	14	100	0	0	0	100	0	0	0	0
0100	30	26	98	2	25	0	75	0	0	0	0
0200	4	29	99	1	30	0	68	1	0	0	1

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

River and Code : **KEENAGH**
 Tributary of : Sea - White Strand Bay
 OS Grid Ref of Confluence: C 413 564
 Date(s) Surveyed: 19/9/2007

40/K/01

OS Catchment No: 1

Station Nos.	Biological Quality Ratings (Q Values)									
	1973	1980	1986	1987	1993	1996	1998	2001	2004	2007
0100	-	4	4	5	-	-	-	-	-	-
0200	5	5	4	5	5	4	4	4-5	4	-
0300	5	4	4-5	5	4	-	-	-	-	-
0400	-	4	5	5	4-5	4	4	4	4	4

Assessment: The Keenagh remained in satisfactory condition in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Br SW of Lagawollen Br	247800	454200	3	DL
0200	Hugh Roe's Br	245357	454361	3	DL
0300	Keenagh Br	243282	455523	3	DL
0400	Br SW Carnmalin	241481	456827	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	47	16	100	0	21	0	62	0	11	0	5
0300	18	22	100	0	30	0	49	0	17	0	4
0400	1	28	100	0	33	0	48	0	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 : **LONG GLEN**
 Tributary of : Sea - Kinnagoe Bay
 OS Grid Ref of Confluence: C 628 462
 Date(s) Surveyed: 19/9/2007

40/L/01
 OS Catchment No: b

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2004	2007
0200	4	4-5	3	4	4	4-5

Assessment: An improvement in ecological status was seen in the Long Glen with a good range of species noted at this very shaded site.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br u/s Kinnagoe Bay	262659	446185	4	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	33	6	100	0	32	0	61	0	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 : **LOUGH NASTACKAN STREAM** 40/L/03
 Tributary of : Sea - Tremone Bay OS Catchment No: b
 OS Grid Ref of Confluence: C 692 475
 Date(s) Surveyed: 19/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2004	2007
0400	4-5	3	4-5	4	4-5	4-5

Assessment: The Lough Nastackan Stream continued to be of high status in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0400	Br u/s Sea (White Strand)	259088	447485	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0400	5	11	100	0	44	0	32	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 : **MALIN STREAM**

40/M/01

Tributary of : Sea - Trawbreaga Bay

OS Catchment No: a

OS Grid Ref of Confluence: C 467 498

Date(s) Surveyed: 19/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0200	4	4	-	1/0	2-3	3	3
0250	-	-	3	-	-	-	-
0270	-	-	-	1	-	-	-
0300	3-4	-	-	1	3	3	-

Assessment: The Malin Stream was once again polluted at site 0200 when examined in September 2007. Farm pollution is suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Bridge NE of Malin	247119	450398	3	DL
0250	Br u/s Br W Malin	246894	450164	3	DL
0270	300 m u/s Br W of Malin	246849	450115	3	DL
0300	Bridge W. of Malin	246770	450005	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	11	7	100	0	48	0	36	0	12	0	5
0250	4	9	100	0	56	0	29	0	11	0	3
0270	3	9	100	0	56	1	29	0	11	0	3
0300	1	10	100	0	56	1	28	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 : **PORTALEEN**
 Tributary of : Sea - S of Glengad Head
 OS Grid Ref of Confluence: C 523 527
 Date(s) Surveyed: 19/9/2007

40/P/02

OS Catchment No: a

Station Nos.	Biological Quality Ratings (Q Values)					
	1994	1996	1998	2001	2004	2007
0100	3	4	4	4	3-4	-
0200	-	-	-	-	-	4

Assessment: The Portaleen Stream was in satisfactory condition when surveyed in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Portaleen Bridge	252025	452691	3	DL
0200	Br d/s Portaleen Br just u/s Sea	252422	452799	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	22	4	100	0	32	0	50	0	18	0	0
0200	N/A	4	100	0	32	0	50	0	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 : **ROOSKY**
 Tributary of : Sea - Lough Foyle
 OS Grid Ref of Confluence: C 526 326
 Date(s) Surveyed: 21/9/2007, 25/9/2007

40/R/01
 OS Catchment No: 15

Station Nos.	Biological Quality Ratings (Q Values)							
	1987	1988	1993	1996	1998	2001	2004	2007
0100	4	-	3	-	-	-	-	-
0200	1-2	2-3	2	-	-	1	1-2	2
0300	2	2-3	1/0	1-2	2-3	2	3	2-3

Assessment: Serious pollution due to agricultural discharges was again noted in the upper Roosky (0200 in 2007. The lower sampling site on the main road was moderately polluted with a slight decline in comparison with the 2004 survey results.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Third Bridge u/s Lough Foyle	251568	434126	3	DL
0200	Mullinroe Bridge	251710	433704	3	DL
0300	Br u/s Lough Foyle	252553	432716	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0300	8	3	98	2	43	0	37	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 : **STRAID** 40/S/01
 Tributary of : Sea - Trawbreaga Bay OS Catchment No: 5
 OS Grid Ref of Confluence: C 429 488
 Date(s) Surveyed: 20/9/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1987	1993	1996	1998	2001	2004	2007
0100	5	-	4	4-5	4	4	-
0400	5	4	4-5	4	4-5	4-5	4-5*

Assessment: The Straid was in satisfactory condition in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Craignahorna Bridge	243418	443559	3	DL
0400	1 km d/s Strath's Bridge	243363	448254	3	DL

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	108	6	100	0	0	0	100	0	0	0	0
0400	9	20	100	0	17	2	76	0	4	0	1

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

NWIRBD: HYDROMETRIC AREA NO. 40

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.

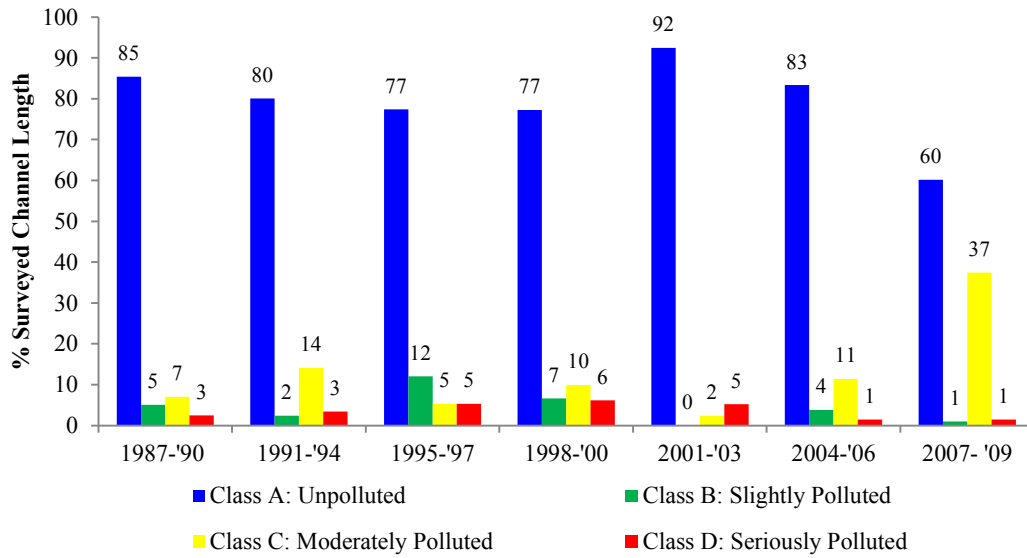
Channel Length (km) in Class			A	A	B	C	D	Total
WFD Quality Class			High	Good	Moderate	Poor	Bad	
River Name	Year	Code						
Ballyboe	2007	40B03	0.0	3.0	0.0	0.0	0.0	3.0
Ballyhallan	2007	40B01	0.0	0.0	0.0	4.0	0.0	4.0
Bredagh	2007	40B02	8.0	0.0	0.0	0.0	0.5	8.5
Cabry	2007	40C03	0.0	4.0	0.0	0.0	0.0	4.0
Clonmany	2007	40C01	0.0	0.0	0.0	9.5	0.0	9.5
Cloontagh	2004	40C04	0.0	0.0	0.0	3.0	0.0	3.0
Culdaff	2004	40C02	0.0	0.0	0.0	17.0	0.0	17.0
Donagh	2007	40D01	0.0	9.0	0.0	3.0	0.0	12.0
Drung	2007	40D02	0.0	3.0	0.0	0.0	0.0	3.0
Glennagannon	2007	40G01	11.0	0.0	1.0	0.0	0.0	12.0
Keenagh	2007	40K01	0.0	10.0	0.0	0.0	0.0	10.0
Long Glen	2007	40L01	2.0	0.0	0.0	0.0	0.0	2.0
Lough Nastackan Stream	2007	40L03	2.0	0.0	0.0	0.0	0.0	2.0
Malin Stream	2007	40M01	0.0	0.0	0.0	2.5	0.0	2.5
Portaleen Stream	2007	40P02	0.0	1.5	0.0	0.0	0.0	1.5
Roosky	2007	40R01	0.0	0.0	0.0	0.5	1.0	1.5
Straid	2007	40S01	10.0	0.0	0.0	0.0	0.0	10.0
Total Length (km) surveyed this cycle	2007		33.0	30.5	1.0	39.5	1.5	105.5
Adjustments (km) (See below)*			0.0	0.0	0.0	0.0	0.0	0.0
<i>Percentages</i>			31.3	28.9	0.9	37.4	1.4	100.0
Channel Length (km) in Class			A	B	C	D	Total	
Baseline : Current Adjusted Status (km)	2007 - '09		63.5	1.0	39.5	1.5	105.5	
<i>Percentages</i>			60.2	0.9	37.4	1.4	100.0	
Baseline: Previous Unadjusted Status (km)**	2004 - '06		87.5	4.0	12.5	1.5	105.5	
<i>Percentages</i>			82.9	3.8	11.8	1.4		
Changes since Previous Survey (km)			-24.0	-3.0	27.0	0.0	0.0	

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

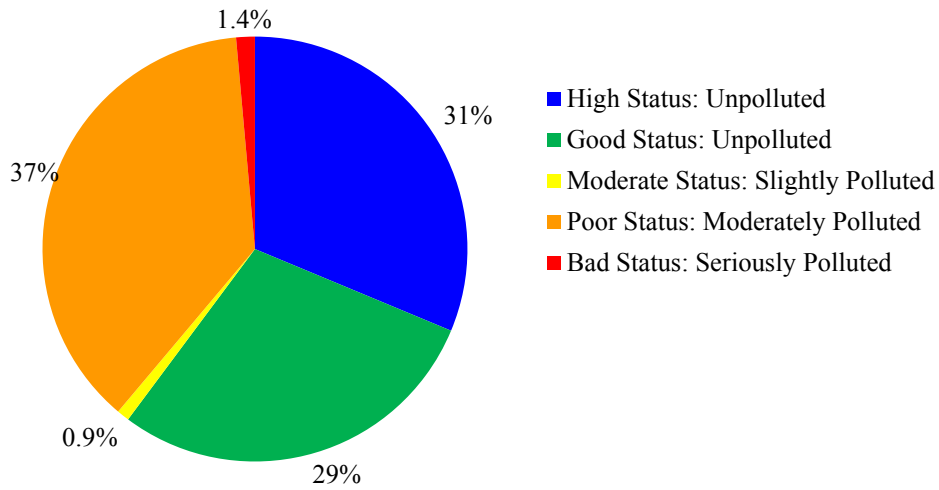
** Clabby *et al.*, 2008

¹ Rivers not previously included in the National Statistics.

Hydrometric Area 40 : Trends
 % Surveyed Channel Length in Four Quality Classes



Hydrometric Area 40 : 2007 - '09
 % Surveyed Channel Length in Five WFD Quality Classes



ADDITIONAL SURVEYS
(Seriously Polluted and Investigative Sites)

HYDROMETRIC AREA 06 (Ballymascanlan, Fane)

BALLYMASCANLAN
FANE

06B02
06F01

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: 24/10/2007

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

Assessment: As in previous years, serious pollution was again recorded at Jonesborough Bridge in 2007. Oil pollution suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Jonesborough Br	306465	314446	36	LH
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 : **FANE**
 Tributary of :
 OS Grid Ref of Confluence: J 064 018
 Date(s) Surveyed: 24/10/2007

06/F/01
 OS Catchment No: 94

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

Assessment: A slight improvement from serious to moderate pollution was noted in the Dunfelimy area (0155) in 2007. Unsatisfactory ecological conditions however persist at this location.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0080	Br u/s Muckno Mill Lough	284723	322660	0	MN
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

Additional Surveys (2007)

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.

HYDROMETRIC AREA 07 (Boyne)

BOYNE

07B04

River and Code : **BOYNE**
 Tributary of :
 OS Grid Ref of Confluence: O 091 751
 Date(s) Surveyed: 30/7/2007

07/B/04
 OS Catchment No: 159

Station Nos.	Biological Quality Ratings (Q Values)																
	1971	1973	1974	1975	1977	1979	1981	1986	1990	1994	1997	2000	2003	2004	2005	2006	2007
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	-
0300	2-3	2-3	-	2	1-2	2-3	4	4	-	3	2	1-2	3	-	-	3-4	-
0400	4-5	3	-	-	4-5	4	4	4	4	4	3	3	4	-	-	4	-
0500	-	-	-	-	4-5	-	4	-	4	-	-	-	-	-	-	-	-
0600	4-5	-	4	-	4	4	4	4-5	4	4	3-4	3	3	-	-	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	-
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	-
1100	5	-	-	-	-	3-4	4	4	3-4	-	-	-	-	-	-	-	-
1200	-	-	4-5	-	-	-	4	4-5	3-4	3-4	4	3-4	3-4	-	-	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	-
1500	5	-	4-5	-	-	4-5	5	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	-
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	-
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
2150	-	-	-	-	-	-	-	-	4-5	3-4	3-4	4	3-4	-	-	3-4	-
2200	5	4-5	-	3-4	4	4	4	4	-	-	3-4	3-4	3-4	-	-	3-4	-

Assessment: Following a significant improvement at Boyne Bridge (0200) and slight improvements at five other locations, including downstream of Trim (1400), the upper Boyne was assessed as mostly satisfactory in June 2006. Improvements were also recorded at Kinnafad and Ashfield Bridges (0300, 0600) but these locations remained in a less than satisfactory ecological condition. The lower river (from Bective, 1500) continued to show the symptoms of excessive eutrophication viz. luxuriant weed and/or filamentous algal growth including a species not previously recorded (*Enteromorpha* sp.) plus a reduced macroinvertebrate diversity. In hard waters, pH changes due to abnormal photosynthetic activity can accelerate the precipitation of calcium carbonate on the substratum thus reducing or eliminating niches for a variety of mayfly and stonefly indicator species. This is considered the main factor affecting the lower Boyne. The macroinvertebrate fauna at Slane Bridge (2100) continues to indicate unsatisfactory ecological conditions in 2007.

Additional Surveys (2007)

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

Additional Surveys (2007)

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.

HYDROMETRIC AREA 08 (Ward)

Ward

08W01

River and Code : **WARD**
 Tributary of : 08B02 BROADMEADOW
 OS Grid Ref of Confluence: O 186 417
 Date(s) Surveyed: 24/10/2007

08/W/01
 OS Catchment No: 164

Biological Quality Ratings (Q Values)

Station Nos.	1971	1973	1974	1977	1979	1981	1983	1985	1988	1991	1994	1996	1998	2001	2005	2007
0070	-	-	-	-	-	-	-	-	3	2-3	3	2-3	2-3	3	2	2-3
0300	-	3	2	4	3	3-4	3	3	3	3	-	3	3	3	2-3	-
0400	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0500	-	3-4	-	-	-	3/0	3	3	3	3	-	-	-	-	-	-
0600	-	-	1	4	2	3/0	2-3	3	-	-	-	-	-	-	-	-
0610	-	-	-	-	-	-	-	-	3	3/0	-	3	3/0	3	2-3	-

Assessment: Although ecological conditions at Coolatrath Bridge (0070) improved slightly from serious to moderate pollution, it is clear that poor ecological conditions continue in 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0070	Coolatrath Br	310029	245679	50	DN
0300	Killeek Br	314521	246418	50	DN
0400	Knocksedan Br	0	0	50	DN
0500	Br at SW end of Swords	0	0	50	DN
0600	Scotchstone Br	0	0	50	DN
0610	Br d/s Scotchstone Br	318450	247709	50	DN

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0070	66	17	0	100	34	0	0	0	66	0	0
0300	47	38	0	100	35	0	0	4	62	0	0
0610	9	44	0	100	33	0	0	10	58	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 10 (Avoca)

AVOCA

10A03

River and Code : **AVOCA**
 Tributary of :
 OS Grid Ref of Confluence: T 256 729
 Date(s) Surveyed: 25/10/2007

10/A/03
 OS Catchment No: 171

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1974	1977	1981	1986	1990	1994	1997	2000	2003	2006	2007
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
0800	1/0	1/0	1/0	-	1/0	1/0	-	-	-	-	-	-
0900	-	-	-	-	2/0	2/0	1/0	-	-	-	-	-
1000	1/0	1/0	1/0	-	2/0	-	-	-	-	-	-	-
1200	-	-	-	-	1/0	1/0	-	-	-	-	-	-

Assessment: The Avoca River continues to be seriously polluted by acid mine drainage effluent at Avoca village (0700) when sampled in 2007. The improvement noted in May 2006 was possibly due to extremely wet weather experienced in the preceding weeks to the 2006 survey allowing recolonisation of the river with a reasonable range of sensitive macroinvertebrates. However the latest survey demonstrates that this improvement was only temporary with the middle and lower reaches again classified as seriously polluted in 2007.

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.

HYDROMETRIC AREA 14 (Barrow, Gowran, Triogue, Tully)

BARROW	14B01
GOWRAN	14G03
TRIOGUE	14T01
TULLY STREAM	14T02

River and Code : **BARROW**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 722 388
 Date(s) Surveyed: 19/10/2007

14/B/01

OS Catchment No: 183

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
0050	-	-	-	-	-	-	-	5	5	5	5	-	5	4-5	4-5	4-5	-	4	-
0100	-	-	-	-	-	-	-	3-4	4-5	4	3	-	3-4	4	4	3-4	-	3	-
0200	4	-	4	-	-	-	-	4	4	4	3-4	-	3-4	4	4	3-4	-	4	-
0300	4-5	-	3-4	-	-	-	-	5	-	4	4	-	4	3-4	4	4	-	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	-
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	-
0760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
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	-
1000	4-5	-	4-5	-	4-5	-	-	4	-	4-5	4	-	4	3-4	3-4	4	-	3-4	-
1200	4-5	-	4-5	-	-	-	-	5	-	4	3	-	3	-	-	-	-	-	-
1300	-	-	-	-	-	-	-	4	-	4-5	3-4	-	4	-	3-4	3-4	-	3	-
1400	5	-	5	-	-	-	-	4	-	4	4	-	4	4	4	4	-	4	-
1500	-	-	-	-	-	-	-	4	4	4	4	-	4	3-4	3-4	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	-
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	-
2400	2	-	2	-	2	2	-	-	2	1	-	-	-	-	-	-	-	-	-
2450	-	-	-	-	-	-	-	-	3	3-4	4	-	3	3	3	3	-	-	-
2455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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	-
2680	-	-	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4	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	-
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	-
3300	4-5	-	-	4-5	-	-	3-4	4	4-5	4	4	-	4	-	-	3-4	-	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
3600	4	-	-	-	-	-	4	-	4	4	-	-	-	-	-	-	-	-	-

Assessment: Improvement to good ecological quality at station 3500 in 2007.

Additional Surveys (2007)

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Tinnahinch Br	235155	210490	54	LS
0100	Ford S of Rearyvalley	236128	213025	54	LS
0200	Ballyclare Br	238591	214722	54	LS
0300	Twomile Br	242280	211786	54	LS
0400	Bay Br	0	0	54	LS
0500	Borness Br	246396	209279	54	LS
0550	Br SE of Hammerlane	0	0	54	OF
0600	Portnahinch Br	249067	210029	54	OF
0700	Kilnahown Br	251371	210753	54	LS
0760	Barrow Br	253997	212626	55	LS
0800	1km d/s Portarlinton	0	0	55	LS
0850	D/s Portarlinton STW (RHS)	256216	212270	55	LS
0900	Ford S of Trascaan	258196	212310	55	LS
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	LS
1400	Dunrally Br	263649	201794	55	LS
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	LS
1900	Tankardstown Br	270366	188203	61	LS
2000	Maganey Br	271712	184733	61	LS
2150	Weir near Knockbeg College	0	0	61	LS
2200	New Br 1km u/s Carlow Br	272007	177797	61	LS
2400	1.5km d/s Graigue Br	0	0	61	LS
2450	At Dolmen Hotel	270638	174158	61	LS
2455	Br at Dolmen Hotel	270591	174098	61	LS
2500	d/s Clogrennan Lock	0	0	61	LS
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

Additional Surveys (2007)

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 : **GOWRAN**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: S 682 540
 Date(s) Surveyed: 25/10/2007

14/G/03
 OS Catchment No: 183

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

Assessment: A slight improvement from serious to moderate pollution was noted in the vicinity of Red Mill (0400) in 2007 however poor ecological conditions remain.

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 : **TRIOGUE**
 Tributary of : 14B01 BARROW
 OS Grid Ref of Confluence: N 474 098
 Date(s) Surveyed: 23/10/2007

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
0060	-	-	-	-	-	-	-	3	3	3	3-4	3	3	-
0100	5	4	4-5	4	4	4	4-5	4	4	4	3-4	3	3	-
0200	1	1-2	1	1	1	2	2	2-3	3	2	2	-	2	2-3
0300	3	2-3	2-3	3-4	1-2	2	2-3	2-3	3	2	2-3	3	2-3	-
0400	-	-	-	-	-	-	-	3	3-4	3	3	3	3	-

Assessment: A slight improvement from serious to moderate pollution was noted at Kyle Bridge (0200) in 2007, however poor ecological conditions continue at this location.

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

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: 23/10/2007

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

Assessment: The macroinvertebrate fauna continued to indicate serious pollution at Kilberrin Bridge (0300) in 2007, however a slight improvement from serious to moderate pollution was noted at Sommeragh Bridge (0390). Ecological conditions remain unsatisfactory at these two stations downstream of Kildare in 2007 with excessively heavy siltation also evident.

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.

HYDROMETRIC AREA 16 (Borrisoleigh Stream, Clodaigh (Portlaw))

# BORRISOLEIGH STREAM	16B06
CLODIAGH (PORTLAW)	16C03

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: 22/11/2007

Station Nos.	Biological Quality Ratings (Q Values)								
	1980	1981	1988	1992	1996	1999	2003	2006	2007
0200	-	-	-	-	4	4	4	4	-
0400	-	-	4	4	4	4	4	3-4	-
0600	3	4	3	2-3	2-3	3	3	2	2
0700	-	-	3-4	3	3	3	3-4	3	-

Assessment: Continuing seriously polluted downstream of Borrisoleigh.

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 Fishmoynes 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 : **CLODIAGH (PORTLAW)**

16/C/03

Tributary of : 16S02 SUIR

OS Catchment No: 182

OS Grid Ref of Confluence: S 487 156

Date(s) Surveyed: 20/11/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1975	1978	1980	1982	1984	1986	1988	1993	1996	1999	2002	2005	2007
0040	-	-	-	-	-	-	-	4	4	4	4-5	4	4	-
0100	-	-	5	-	-	-	4-5	4-5	3	3-4	4-5	4	n/s	-
0200	-	-	5	-	-	-	4-5	4-5	4-5	4-5	4	4-5	4	-
0300	5	5	5	-	-	5	4-5	4	4	3-4	3	3	2	4
0350	-	-	-	-	-	-	-	4-5	4-5	-	-	-	n/s	-
0400	-	5	5	-	-	5	3-4	4-5	4-5	4-5	3-4	4	4	-
0500	5	5	5	5	-	5	4	4	4	-	-	-	n/s	-
0600	1	1/0	1/0	1/0	1/0	1	2-3	2-3	3	-	-	-	n/s	-
0700	-	2-3	4-5	3	3-4	3-4	4-5	4	4-5	-	-	-	n/s	-
0750	-	-	-	-	-	-	-	-	-	4-5	4	4-5	4	-

Assessment: Good quality recorded at Clonea Bridge where it was seriously polluted in 2005.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0040	Grogavalla br	232211	116370	75	WD
0100	Shanakill Br	234401	115950	75	WD
0200	Lackan Br	235232	113692	75	WD
0300	Clonea Br	238452	114185	75	WD
0350	Br S of Glenstown	0	0	0	WD
0400	Lowry Br	242123	114873	75	WD
0500	2.5 km u/s Portlaw	0	0	0	WD
0600	Portlaw Br (LHS)	0	0	0	WD
0700	Portlaw Br (RHS)	0	0	0	WD
0750	Just d/s Portlaw Br	246785	115025	75	WD

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0040	118	20	100	0	61	15	9	0	0	0	14
0100	95	23	100	0	68	12	8	0	0	0	12
0200	72	43	100	0	68	7	9	0	5	0	10
0300	51	66	100	0	62	6	10	0	5	1	16
0400	35	103	100	0	67	6	7	0	10	0	10
0750	5	129	100	0	63	10	5	0	13	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.

HYDROMETRIC AREA 18 (Blackwater (Munster))

BLACKWATER (MUNSTER)

18B02

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

18/B/02

Tributary of :

OS Catchment No: 190

OS Grid Ref of Confluence: X 098 997

Date(s) Surveyed: 10/10/2007

Biological Quality Ratings (Q Values)

Station Nos.	1971	1974	1975	1978	1979	1980	1982	1984	1986	1990	1994	1997	2000	2003	2005	2006	2007
0050	5	-	5	-	-	-	-	-	-	4	4	4-5	4	3-4	-	3-4	-
0060	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	4	-
0075	5	-	4-5	-	-	-	-	-	-	4	4	4	4	3-4	-	3-4	-
0100	-	-	-	-	-	-	-	-	-	4	4	4	4	4	-	-	-
0200	5	-	5	5	-	5	-	-	4	4	4	4	4-5	4	-	4	-
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	-
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	-
0700	5	-	4-5	-	4	4	-	-	4	4	-	-	-	-	-	-	-
0750	-	-	-	-	-	-	-	-	-	-	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	-
1000	5	-	5	-	5	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	-
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	-
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	-
1510	4	3	4	3-4	-	3-4	3	3	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	-
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
2000	4	-	4	-	-	4	4	-	3-4	3-4	4-5	3-4	4	4	-	4	-
2100	4	-	4	-	-	4	3-4	-	3-4	4	-	-	-	-	-	-	-
2200	-	-	-	-	-	-	-	-	-	-	4	3	3	2	-	3	-
2210	-	-	-	-	-	-	-	-	-	-	4	3-4	3-4	4	-	4	-
2300	4	-	4	-	-	-	3-4	-	-	-	-	-	-	-	-	-	-
2400	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
2450	5	-	5	-	-	4	4	-	4	-	4-5	4	3-4	4	-	3-4	-
2500	5	-	5	-	-	3-4	4	-	4	4	4	3-4	4	4	-	4	-
2600	-	-	-	-	-	4	-	-	4	3-4	4	4	4	4	-	4	-
2700	5	-	5	-	-	3-4	4	-	3-4	3-4	4	4	4	4	-	4	-

Assessment: Reversion to only moderate quality at Killavullen which is an EC Exchange of Information site and thus sampled every year.

Additional Surveys (2007)

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

Additional Surveys (2007)

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.

HYDROMETRIC AREA 20 (Owenahinchy)

OWNAHINCHY

2003

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: 21/11/2007

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1994	1997	2000	2003	2006	2007
0080	-	4	3-4	4	4	4	-
0100	4	-	-	-	-	-	-
0200	1	3-4	3	4	4	4	-
0400	3-4	4	4	4	4	2	3-4

Assessment: Improved but only to moderate quality where seriously polluted in 2006.

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.

HYDROMETRIC AREA 24 (Ahavarraga Stream, Deel (Newcastlewest))

AHAVARRAGA STREAM	24A02
DEEL (NEWCASTLEWEST)	24D02

River and Code : **AHAVARRAGA STREAM**
 Tributary of : 24D02 DEEL (NEWCASTLEWEST)
 OS Grid Ref of Confluence: R 367 258
 Date(s) Surveyed: 21/11/2007

24/A/02

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)						
	1989	1993	1996	1999	2002	2005	2007
0200	4	4	4	4	4	4	-
0300	1	3	-	-	-	-	-
0400	1	2-3	-	2	2	2	1-2
0600	2	3	-	-	-	-	-
0800	1-2	3	2	2-3	3	3	-

Assessment: Continuing seriously polluted.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Br at W side of Drumcolliher	137898	121113	72	LK
0300	Priests Br	0	0	0	LK
0400	Br 0.5 km d/s Priests Br	137521	121955	72	LK
0600	Moyvane Br	0	0	0	LK
0800	NW of Mundellihiy	137266	124317	72	LK

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0200	116	4	0	100	74	0	0	3	0	0	23
0400	107	6	0	100	76	0	0	9	0	0	15
0800	84	12	0	100	88	0	0	5	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 : **DEEL (NEWCASTLEWEST)**

24/D/02

Tributary of : Sea - Shannon Estuary

OS Catchment No: 155

OS Grid Ref of Confluence: R 332 528

Date(s) Surveyed: 22/11/2007

Station Nos.	Biological Quality Ratings (Q Values)													
	1971	1975	1978	1980	1982	1984	1986	1989	1993	1996	1999	2002	2005	2007
0100	1	1	1	3	3	3	2-3	3	3	3	3-4	3-4*	4	-
0200	4	4	3	3-4	3	3	3	3	3	3-4	3-4	4	4	-
0250	-	-	-	-	-	-	-	3	3	-	-	-	-	-
0300	3	3-4	3-4	3-4	3	3-4	3-4	3	3	3-4	3	3	3	-
0400	4	3-4	3-4	3-4	3	3-4	3-4	3	3	3-4	3-4	4	4	-
0450	-	-	-	-	-	-	-	3	3-4	-	-	-	-	-
0500	4	4	3-4	3-4	3-4	3	3-4	3-4	4	4	3-4	4	3-4	-
0600	3	3	3	3	3	3	2-3	3	3	2-3	2	2-3	2	3-4
0700	3	3	3	3	3	3	3	3	3	2-3	2-3	3	2-3	-
0800	3	2-3	3	3	3	2	3	3	3	3	3	3	3-4	-
0900	4	-	3	3-4	3	2-3	3-4	3	3	-	-	-	-	-
1000	4-5	4	3-4	4	3-4	3-4	4	3	3-4	3	3	3	3	-
1100	4	-	4	3-4	3	3-4	4	4	3-4	3-4	3-4	3-4	3	-
1200	4-5	4	3	4	3-4	3-4	3-4	3-4	3-4	-	-	-	-	-
1300	4	4	3-4	4	3-4	3-4	3-4	3	3-4	3-4	3-4	3	3	-

Assessment: Improved from bad to moderate quality.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0100	Scart Br, Milford	141611	121322	73	CK
0200	Br 3.2 km d/s Milford Br	140118	123697	73	LK
0250	Accrour Br	0	0	0	LK
0300	Broken Br	136004	127029	72	LK
0400	Br nr Balliniska	132518	128606	72	LK
0450	Br 0.2 km d/s Bunoke R confl	0	0	0	LK
0500	0.8 km u/s Castlemahon Br	131806	130995	64	LK
0600	D/s Mahoonagh Br	131260	131413	64	LK
0700	Br nr Killaready	129910	132703	64	LK
0800	Grange Br	130787	135042	64	LK
0900	Br d/s Grange Br	0	0	0	LK
1000	Palatine Br	133489	138616	64	LK
1100	Rathkeale Br	136070	141409	64	LK
1200	Ford d/s Rathkeale Br	135547	141297	0	LK
1300	Kilcool Br	133766	143704	64	LK

Additional Surveys (2007)

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0100	101	59	0	100	79	0	0	0	19	0	1
0200	92	68	0	100	81	0	0	0	17	0	1
0300	67	121	3	95	83	1	0	1	13	0	1
0400	55	152	3	95	83	1	0	1	13	0	1
0500	51	262	6	93	83	2	1	1	12	0	1
0600	50	262	6	93	83	2	1	1	12	0	1
0700	46	281	6	93	84	2	1	1	12	0	1
0800	43	366	4	95	83	2	1	2	10	0	1
1000	33	409	4	95	84	2	1	2	10	0	1
1100	31	439	5	94	83	2	1	2	11	0	1
1300	24	447	5	94	83	2	1	2	11	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.

HYDROMETRIC AREA 25 (Brosna, Clodaigh (Tullamore), Tullamore)

# BROSNA	25B09
# CLODIAGH (TULLAMORE)	25C06
TULLAMORE	25T03

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

River and Code : **BROSNA**
 Tributary of : 25S01 SHANNON (Lower)
 OS Grid Ref of Confluence: N 022 187
 Date(s) Surveyed: 26/11/2007

25/B/09

OS Catchment No: 155

Station Nos.	Biological Quality Ratings (Q Values)											
	1971	1974	1978	1982	1984	1987	1993	1996	1999	2002	2005	2007
0003	-	-	-	-	4-5	4	3-4	-	-	-	-	-
0004	-	-	-	-	2-3	3	-	-	-	-	-	-
0005	-	-	-	-	3	3-4	3	3	3-4	3	3-4	-
0006	-	-	-	-	3-4	3	3	3	3	3	3-4	-
0010	-	-	-	-	3-4	2-3	3	-	-	-	-	-
0040	-	-	-	-	3-4	2-3	3	3	3	3	3	-
0100	1	1	1-2	1-2	2-3	2	2-3	3	2-3	2	1-2	2
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	-
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	-
0500	4-5	4-5	4-5	-	-	4	4	3-4	3-4	3-4	3	-
0600	3-4	4	4	4	4	4	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	-
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	-
1000	4-5	5	4-5	4	3-4	4-5	3-4	3-4	3-4	3	3	-

Assessment: Serious pollution continues at Butlers Bridge (0100) below Mullingar in 2007.

Additional Surveys (2007)

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

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
0100	N/A	23	0	100	61	1	0	27	8	0	4
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 : **CLODIAGH (TULLAMORE)**

25/C/06

Tributary of : 25B09 BROSNA

OS Catchment No: 155

OS Grid Ref of Confluence: N 203 273

Date(s) Surveyed: 23/10/2007

Station Nos.	Biological Quality Ratings (Q Values)												
	1971	1974	1975	1978	1982	1984	1987	1993	1996	1999	2002	2005	2007
0050	-	-	-	-	-	-	5	-	-	4-5	-	4-5	-
0090	-	-	-	-	-	-	-	-	-	-	4-5	-	-
0100	-	-	-	5	5	-	5	5	4-5	2/0	-	3	-
0200	-	-	-	1/0	4	5	5	-	-	-	-	-	-
0220	-	-	-	-	-	-	3	3-4	3	3*	3-4*	1	2
0250	-	-	-	-	-	4-5	4	4-5	4	4-5	4-5	4-5	-
0300	-	-	-	5	5	5	4-5	5	4-5	4-5	4-5	4-5	-
0340	-	-	-	-	-	-	-	-	4	4	4	4	-
0360	-	-	-	-	-	4-5	5	4-5	-	-	-	-	-
0400	5	5	5	5	4-5	4-5	4-5	4-5	4	3-4	3-4	3-4	-
0500	4	4	4	-	4	3-4	3-4	4	3-4	3-4	3-4	4	-

Assessment: In 2007, the macroinvertebrate fauna continued to indicate serious pollution downstream of Clonaslee (0220). Sewage effluent suspected.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0050	Br NW of Scarroon	229672	209555	54	LS
0090	u/s Clonaslee Waterworks	231739	210783	54	LS
0100	Just u/s Clonaslee Br	231751	210864	54	LS
0200	0.8km d/s Clonaslee Br	0	0	54	LS
0220	Just u/s Gorragh R confl	232266	212095	54	LS
0250	Br ENE of Brockagh (E of Annaghmore L)	233164	214581	54	LS
0300	Gorteen Br	234034	217087	54	OF
0340	Br N of Clonagh	230679	220892	48	OF
0360	Muckalagh Br (1.5km W of Ballard)	0	0	48	OF
0400	Annamoe Br	229099	224384	48	OF
0500	Br at Rahan	225683	225641	48	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0050	159	9	100	0	8	21	25	0	17	0	29
0100	110	13	100	0	20	20	20	0	13	0	26
0220	98	14	98	2	22	19	19	1	13	0	25
0250	85	N/A	0	100	100	0	0	0	0	0	0
0300	78	48	57	43	38	13	18	1	11	0	19
0340	65	89	30	70	50	9	13	1	15	0	12
0400	53	1	0	100	83	0	0	11	7	0	0
0500	50	250	11	89	63	5	8	3	14	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 : **TULLAMORE**

25/T/03

Tributary of : 25C06 CLODIAGH (TULLAMORE)

OS Catchment No: 155

OS Grid Ref of Confluence: N 280 254

Date(s) Surveyed: 23/10/2007

Biological Quality Ratings (Q Values)

Station Nos.	1971	1975	1977	1981	1986	1987	1989	1990	1993	1996	1999	2002	2005	2007
0030	-	-	-	-	-	-	-	-	3	3	3	3	3	-
0100	4	3-4	3-4	4	4	3	-	-	4-5	3	3	3	3-4	-
0400	1-2	2	1-2	2	2	2	2-3	2-3	2-3	2-3	2	2	2	2-3

Assessment: In 2007, a slight improvement from serious to moderate pollution was noted downstream of Tullamore (0400), however the macroinvertebrate fauna continued to indicate unsatisfactory ecological conditions.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0030	Br d/s Geashill Stream	244474	222320	48	OF
0100	Br S of Cappincur	238697	224074	48	OF
0400	Br near Ballycowan Br	229537	225031	48	OF

Site Altitude and Upstream Catchment Characteristics (where available):

Site No.	Alt	Area	Sil	Cal	Pasture	Forestry	Bogs	Urban	Misc Ag.	Water	Other
0030	68	10	0	100	65	2	5	3	25	0	0
0100	58	54	0	100	72	0	5	0	19	0	3
0400	52	132	0	100	68	2	6	5	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.

HYDROMETRIC AREA 26 (Jiggy (Hind))

JIGGY (HIND) *

26J01

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

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

River and Code : **JIGGY (HIND)**
 Tributary of : 26H01 HIND
 OS Grid Ref of Confluence: M 879 619
 Date(s) Surveyed: 7/11/2007

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

Assessment: The Jiggy (Hind) was again seriously polluted in Roscommon town when surveyed in late 2007.

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.

HYDROMETRIC AREA 28 (Kilmihil Stream)

KILMIHIL STREAM

28K02

River and Code : **KILMIHIL STREAM** **28/K/02**
 Tributary of : 28D02 DOONBEG OS Catchment No: 154
 OS Grid Ref of Confluence: R 061 621
 Date(s) Surveyed: 7/9/2007

Station Nos.	Biological Quality Ratings (Q Values)					
	1980	1982	1985	1988	1991	2007
0200	4	3-4	4	3	4	2-3

Assessment: The Kilmihil Stream was moderately polluted downstream of the Kilmihil wastewater treatment plant when surveyed in September 2007.

Station No.	Stations Location	National X	Grid Ref. Y	Discovery Series No.	County Code
0200	Second Br u/s Doonbeg River	110035	162510	57	CE

HYDROMETRIC AREA 32 (Glaishwy)

GLAISHWY

32G12

River and Code : **GLAISHWY**
 Tributary of : Lough Beltra
 OS Grid Ref of Confluence: M 050 960
 Date(s) Surveyed: 22/2/2007

32/G/12
 OS Catchment No: 108

Station Nos.	Biological Quality Ratings (Q Values)							
	2000	2001	2002	2003	2004	2005	2006	2007
0100	3	3	3-4	3-4	4	3-4	3	4

Assessment: The Glaishtwy River was in satisfactory condition at Glaishtwy Bridge in February 2007.

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

HYDROMETRIC AREA 38 (Tullaghobegly)

TULLAGHOBEGLY

38T01

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: 13/9/2007

Station Nos.	Biological Quality Ratings (Q Values)							
	1986	1990	1994	1997	2000	2003	2006	2007
0090	-	5	4-5	4-5	4-5	4	4	-
0100	5	2-3	2-3	2	2-3	1-2	2-3	3
0300	5	5	-	-	-	-	3	4
0400	5	5	4-5	4-5	4	4-5	3	4

Assessment: Following the major pollution incident in the Tullaghobegly in August 2006 a follow-up survey was undertaken in September 2007. The reach immediately downstream of the Altan fish farm (0100) was moderately polluted but improved on the situation in both 2006 and 2003 at this site. Both Big Bridge (0300) and Bellina Bridge (0400) were surveyed again and both found to have improved in quality in comparison with 2006 and were once again in satisfactory condition.

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.

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, spriocdhírthe agus tráthúil chun bonn eolais a chur faoin gcinnteoireacht ar gach leibhéal.

Tacaíocht: Bimid ag saothrú i gcomhar le grúpaí eile chun tacú le comhshaoil atá glan, táirgiúil agus cosanta go maith, agus le hiompar a chuirfidh le comhshaoil inbhuanaithe.

Ár bhFreagrachtaí

Ceadúnú

Déanaimid na gníomhaíochtaí seo a leanas a rialú ionas nach ndéanann siad dochar do shláinte an phobail ná don chomhshaoil:

- saoráidí dramhaíola (*m.sh. láithreáin líonta talún, loisceoirí, stáisiúin aistriúcháin dramhaíola*);
- gníomhaíochtaí tionsclaíocha ar scála mór (*m.sh. déantúsaíocht cógaisíochta, déantúsaíocht stroighne, stáisiúin chumhachta*);
- an diantalmhaíocht (*m.sh. muca, éanlaith*);
- úsáid shrianta agus scaoileadh rialaithe Orgánach Géinmhodhnaithe (*OGM*);
- foinsí radaíochta ianúcháin (*m.sh. trealamh x-gha agus radaiteiripe, foinsí tionsclaíocha*);
- áiseanna móra stórála peitрил;
- scardadh dramhuisce;
- gníomhaíochtaí dumpála ar farraige.

Forfheidhmiú Náisiúnta i leith Cúrsaí Comhshaoil

- Clár náisiúnta iniúchtaí agus cigireachtaí a dhéanamh gach bliain ar shaoráidí a bhfuil ceadúnas ón nGníomhaireacht acu.
- Maoirseacht a dhéanamh ar fhreagrachtaí cosanta comhshaoil na n-údarás áitiúil.
- Caighdeán an uisce óil, arna sholáthar ag soláthraithe uisce phoiblí, a mhaoirsiú.
- Obair le húdarás áitiúla agus le gníomhaireachtaí eile chun dul i ngleic le coireanna comhshaoil trí chomhordú a dhéanamh ar líonra forfheidhmiúcháin náisiúnta, trí dhírú ar chiontóirí, agus trí mhaoirsiú a dhéanamh ar leasúchán.
- Cur i bhfeidhm rialachán ar nós na Rialachán um Dhrámhthrealamh Leictreach agus Leictreonach (DTLL), um Shrian ar Shubstaintí Guaiseacha agus na Rialachán um rialú ar shubstaintí a idíonn an ciseal ózóin.
- An dlí a chur orthu siúd a bhriseann dlí an chomhshaoil agus a dhéanann dochar don chomhshaoil.

Bainistíocht Uisce

- Monatóireacht agus tuairisciú a dhéanamh ar cháilíocht aibhneacha, lochanna, uisce idirchriosacha agus cósta na hÉireann, agus screamhuisc; leibhéal uisce agus sruthanna aibhneacha a thomhas.
- Comhordú náisiúnta agus maoirsiú a dhéanamh ar an gCreat-Treoir Uisce.
- Monatóireacht agus tuairisciú a dhéanamh ar Cháilíocht an Uisce Snámha.

Monatóireacht, Anailís agus Tuairisciú ar an gComhshaoil

- Monatóireacht a dhéanamh ar cháilíocht an aeir agus Treoir an AE maidir le hAer Glan don Eoraip (CAFÉ) a chur chun feidhme.
- Tuairisciú neamhspleách le cabhrú le cinnteoireacht an rialtais náisiúnta agus na n-údarás áitiúil (*m.sh. tuairisciú tréimhsiúil ar staid Chomhshaoil na hÉireann agus Tuarascálacha ar Tháscairí*).

Rialú Astaíochtaí na nGás Ceaptha Teasa in Éirinn

- Fardail agus réamh-mheastacháin na hÉireann maidir le gáis ceaptha teasa a ullmhú.
- An Treoir maidir le Trádáil Astaíochtaí a chur chun feidhme i gcomhair breis agus 100 de na táirgeoirí dé-ocsaíde carbóin is mó in Éirinn.

Taighde agus Forbairt Comhshaoil

- Taighde comhshaoil a chistiú chun brúnna a shainnaint, bonn eolais a chur faoi bheartais, agus réitigh a sholáthar i réimsí na haeraíde, an uisce agus na hinbhuanaitheachta.

Measúnacht Straitéiseach Timpeallachta

- Measúnacht a dhéanamh ar thionchar pleananna agus clár beartaithe ar an gcomhshaoil in Éirinn (*m.sh. mórphleananna forbartha*).

Cosaint Raideolaíoch

- Monatóireacht a dhéanamh ar leibhéal radaíochta, measúnacht a dhéanamh ar nochtadh mhuintir na hÉireann don radaíocht ianúcháin.
- Cabhrú le pleananna náisiúnta a fhorbairt le haghaidh éigeandálaí ag eascairt as tairmí núicléacha.
- Monatóireacht a dhéanamh ar fhorbairtí thar lear a bhaineann le saoráidí núicléacha agus leis an tsábháilteacht raideolaíochta.
- Sainseirbhísí cosanta ar an radaíocht a sholáthar, nó maoirsiú a dhéanamh ar sholáthar na seirbhísí sin.

Treoir, Faisnéis Inrochtana agus Oideachas

- Comhairle agus treoir a chur ar fáil d'earnáil na tionsclaíochta agus don phobal maidir le hábhair a bhaineann le caomhnú an chomhshaoil agus leis an gcosaint raideolaíoch.
- Faisnéis thráthúil ar an gcomhshaoil ar a bhfuil fáil éasca a chur ar fáil chun rannpháirtíocht an phobail a spreagadh sa chinnteoireacht i ndáil leis an gcomhshaoil (*m.sh. Timpeall an Tí, léarscáileanna radóin*).
- Comhairle a chur ar fáil don Rialtas maidir le hábhair a bhaineann leis an tsábháilteacht raideolaíoch agus le cúrsaí práinnfhreagartha.
- Plean Náisiúnta Bainistíochta Dramhaíola Guaisí a fhorbairt chun dramhaíl ghuaiseach a chosaint agus a bhainistiú.

Múscaill Feasachta agus Athrú Iompraíochta

- Feasacht chomhshaoil níos fearr a ghiniúint agus dul i bhfeidhm ar athrú iompraíochta dearfach trí thacú le gnóthais, le pobail agus le teaghlaigh a bheith níos éifeachtúla ar acmhainní.
- Tástáil le haghaidh radóin a chur chun cinn i dtithe agus in ionaid oibre, agus gníomhartha leasúcháin a spreagadh nuair is gá.

Bainistíocht agus struchtúr na Gníomhaireachta um Chaomhnú Comhshaoil

Tá an ghníomhaíocht á bainistiú ag Bord Iáinimseartha, ar a bhfuil Ard-Stiúrthóir agus cúigear Stiúrthóirí. Déantar an obair ar fud cúig cinn d'Oifigí:

- An Oifig um Inmharthanacht Comhshaoil
- An Oifig Forfheidhmithe i leith cúrsaí Comhshaoil
- An Oifig um Fianaise is Measúnú
- An Oifig um Cosaint Raideolaíoch
- An Oifig Cumarsáide agus Seirbhísí Corparáideacha

Tá Coiste Comhairleach ag an nGníomhaireacht le cabhrú léi. Tá dáréag comhaltáí air agus tagann siad le chéile go rialta le plé a dhéanamh ar ábhair inné agus le comhairle a chur ar an mBord.

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