

INTRODUCTION

This report presents the results of the biological river quality investigations carried out in the year 2000 in which 1137 locations on 392 baseline rivers and streams were surveyed in those Hydrometric Areas indicated on the facing page (Fig. 1).

This is the third in the current 3-year cycle of investigation (1998–2000) in which the national baseline of some 13,100km of river channel is to be reassessed. All available biological and physico-chemical data acquired in the previous (1995–1997) cycle are set out and discussed in a two-part report published by the Environmental Protection Agency (EPA) in 1998/9 (Lucey et al., 1999 - the report and Dorris et. al. 1998 - the data volume on floppy disk).

POLLUTION TYPES AND SOURCES

The main types of water pollution are organic, toxic and physical. Organic pollution, caused by sewage, animal manure slurries and food processing wastes, is the most commonly encountered type of water pollution in Ireland. As organic waste is consumed by the organisms of decay the oxygen in the water is used up and the breakdown products (including phosphorus and nitrogen compounds) are released into the water. The main effects of this type of pollution are therefore, the depletion of oxygen in the area immediately below the discharge and eutrophication (i.e., enrichment) in the recovery zone downstream. Eutrophication, which is also caused by the inappropriate and/or excessive application of organic (slurry) and inorganic (artificial) manure to agricultural and forestry lands, has become very widespread in recent years and in the period 1995-1997 it was estimated that approximately one third of river channel length surveyed was affected to some degree. The characteristic symptom of eutrophication in rivers is abnormally luxuriant growths of water weed and filamentous algae which cause a variety of problems in affected waters.

Toxic pollution is commonly caused by poisons such as sheep dip, mining wastes and industrial discharges and its effects are recognisably different to those caused by organic wastes. Physical pollution refers to siltation arising from

quarrying, bog development (peat silt) and arterial drainage.

Some wastes (e.g., sewage and manure slurries) commonly exert the three effects viz. organic, toxic and physical.

WATER QUALITY ASSESSMENT

As more fully discussed in Appendix I, water quality and water pollution assessment methods fall into two main categories - biological methods and chemical methods. Each approach has its own particular applications, strengths and weaknesses but ideally a combination of both is preferable to either on its own.

Biological Assessment

Biological assessment techniques primarily rely on the characteristic and well documented changes brought about by pollution in the communities of the larger ('macro') invertebrate species which inhabit the substrata of all rivers and streams. As pollution levels increase the more sensitive species are progressively replaced by more tolerant forms until, in extreme cases (e.g., the Avoca River), all life is obliterated.

Biotic Indices

Various schemes have been devised in order to clearly convey to the non-biologist the significance of the biological changes caused by pollution. A five point scale of numerical values, known as a biotic index, has been in use in Ireland since the 1970's. The Q Scheme as it is known is related to water quality as shown below.

Biotic Index (Q Value)	Quality Class	Pollution Status
Q5, Q4-5, Q4	Class A	Unpolluted
Q3-4	Class B	Slight
Pollution		
Q3, Q2-3	Class C	Moderate “
Q2, Q1-2, Q1	Class D	Serious “

The scheme mainly reflects the effects of biodegradable organic wastes (see above) but

where a toxic effect is apparent or suspected the suffix '0' is added to the biotic index (e.g. Q 1/0, 2/0 or 3/0). Class A waters are those in which problems relating to existing or potential uses are unlikely to arise; they are, therefore, regarded as being in a satisfactory condition. Classes B, C and D are to a lesser or greater extent unsatisfactory in this regard. For example, the main characteristic of Classes B and C waters is eutrophication which interferes with the amenity, abstraction or fisheries uses of such waters. Such nutrient pollution is typically to be found in the recovery zones below point sources of waste such as sewage or, as mentioned above, from agricultural or forestry land. Waters assessed as slightly polluted (Q3-4 or Class B waters) are essentially transitional between the satisfactory Class A and the less than satisfactory Classes C and D.

It was considered prudent, however, to also classify such slightly polluted waters as unsatisfactory because of the potential risk to wild game fish populations of nocturnal DO depletion which may occur in such waters, particularly in times of low flow and elevated temperature.

In Class D waters excessive organic loading causes deoxygenation and produces slime ('sewage fungus') growths, and as a consequence most beneficial uses may be severely curtailed or eliminated.

Table 1 (overleaf) sets out in more detail the principal characteristics of the four Water Quality Classes A to D, and the relationship between these and the Biotic Indices or Q values (Q1 to Q5).

Biological Surveys: General

Biological surveys are usually undertaken in the summer–autumn period (June–September) when flows are likely to be relatively low and water temperatures highest. Surveys during this period are likely, therefore, to coincide with the worst conditions to be expected in those reaches affected by waste inputs. Material for examination is obtained by a 'kick' sampling technique in the faster-flowing areas of the river or stream (riffles) and the examination and assessment of water quality is made on site.

Measurements of DO saturation and water temperature, as well as observations on macrophyte and algal abundance, substratum type, water appearance and other biological and physical features are also recorded, in addition to the specific information on the nature of the macroinvertebrate fauna.

The Survey of 2000

In the pages which follow the biotic index ascribed to each location surveyed in the current year is set out together with the Q values recorded in the previous surveys and following this is a brief assessment of the current quality position. A summary and explanation of the terminology employed in these assessments is set out below.

Biotic Index or 'Q Value'	Water Quality	Sensitive Species	Condition (See Table 1)
Q5	'Good'	High Diversity	Satisfactory(Pristine)
Q4	'Fair'	Reduced Diversity	Satisfactory
Q3-4	'Transitional'	One or Two Species only	Unsatisfactory
Q3	'Doubtful'	None	Unsatisfactory
Q2	'Poor'	None	Unsatisfactory
Q1	'Bad'	None	Unsatisfactory

Table 1 on this page

THE PHOSPHORUS REGULATIONS

Government Regulations (S.I. No. 258 of 1998) intended to counter eutrophication have been introduced in recent years. In order to comply with the requirements of the Regulations and also with the Dangerous Substances in Water Directive (CEC 1976) phosphorus inputs to surface waters must be curtailed. The effectiveness or otherwise of measures designed to achieve this objective must be assessed and the Regulations allow for either chemical or biological assessment methods to be used. This approach is proposed because of the statistically robust cause-effect relationship which has been established between P concentrations and eutrophication status (McGarrigle *et. al.*, 1992).

As stated above, quality ratings of Q4 and higher represent satisfactory conditions where eutrophication is unlikely to be a problem. Because annual median P values in such waters rarely exceed 30 µg P/l this concentration has been adopted as the target value to be achieved by 2007. Because of the relationship between P values and eutrophication, progress towards achieving the specified targets may be assessed with reference to EPA biological surveys or by chemical analysis. Table 2 below summarises the requirements of Regulations. Only those rivers and streams biologically surveyed by EPA in the period 1995-1997 are covered by the Regulations: these are set out in the floppy disc which accompanies the National Water Quality Report for that period (Lucey *et. al.*, 1999).

TABLE 2. Phosphorus Standards Regulations target values for Irish Rivers

<i>If</i>	<i>Then</i>	
	<i>Either</i>	<i>Or</i>
The current Q-Value¹ falls into the category below:	The minimum Q-Value¹ to be achieved is:	The annual median orthophosphate concentration² (µgP/l) to be achieved is:
5	5	15
4-5	4-5	20
4	4	30
3-4	4	30
3	3-4	50
2-3	3-4	50
≤2	3	70

¹ Biological Quality Rating (Q-Value) as assessed by EPA staff during National River Monitoring Programmes.

² Molybdate-Reactive Phosphate (MRP) Median concentration to be determined as a minimum of 10 samples taken at intervals of four weeks or longer in any twelve consecutive month period. Where the requisite number of samples has not been taken within such period, the median concentration shall be determined from sampling conducted over such period, being a period not exceeding 24 months, as required to obtain a minimum of 15 samples taken at intervals of four weeks or longer.

HYDROMETRIC AREA No. 06

Newry, Fane, Glyde and Dee

Ballykelly	06B03
Ballymascanlan	06B02
Big	06B01
Castletown	06C01
County Water	06C03
Cully Water	06C02
Dee	06D01
Fane	06F01
Flurry	06F02
Glyde	06G02
Kilcurry	06K02
Killary Water	06K01
Proules	06P01
Raskeagh	06R02
Termonfeckin	06T01
White	06W01

River and Code : **BALLYKELLY** **06/B/03**
Tributary of : Fane OS Catchment No: 94
OS Grid Ref : H 969 034 Date(s) Surveyed : 7 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
0500	Br E of Ballykelly X-Rds	3	3	3
0700	Br u/s Fane R confl	3	3	-

Assessment: Polluted by cattle manure again in 2000 as in previous years.

River and Code : **BALLYMASCANLAN** **06/B/02**
Tributary of : Flurry OS Catchment No: 91
OS Grid Ref : J 081 100 Date(s) Surveyed : 5 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1990	1991	1994	1997	2000
0100	Jonesborough Br	2-3	-	3/0	4	3/0
0300	New Br	4-5	-	-	-	3
0500	Ballymascanlan Br	1-2	1	3	4	3

Assessment: Again polluted by diesel oil at Jonesboro Bridge (0100) and by other, unknown causes at the two remaining sites examined in July 2000. The river was hypertrophic and very dirty at Ballymascanlan Bridge where a marked deterioration had taken place since 1997.

River and Code : **BIG (LOUTH)** **06/B/01**
Tributary of : Dundalk Bay OS Catchment No: 90
OS Grid Ref : J 168 054 Date(s) Surveyed : 5 July 2000.

Station No.	Biological Quality Ratings (Q Values)											
	1971	1973	1978	1980	1982	1984	1986	1990	1991	1994	1997	2000
0100	-	-	5	5	5	5	5	5	-	5	4-5	4-5
0300	1/0	1	1	2	1	1	1-2	2	2	4-5	3-4	4

Sampling Station No.	Location	Sampling Station No.	Location
0100	Ballygoly Br	0300	Riverstown Br

Assessment: Improved in lower reaches since 1997. Satisfactory.

River and Code : **CASTLETOWN** **06/C/01**
Tributary of : Sea - Dundalk Harbour OS Catchment No: 92
OS Grid Ref : T 047 083 Date(s) Surveyed : 6 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1971	1974	1978	1982	1986	1990	1994	1997	2000
0050	Ballybinaby Br	-	-	-	-	-	-	4	4	4-5
0200	Ford's Bridge	4-5	5	5	4-5	4-5	4-5	4	4	4
0300	St John's Br	4-5	4	4-5	3-4	4	3-4	-	-	-
0310	Weir d/s John's Br	-	-	-	-	-	-	3-4	4	4-5

Assessment: Continuing satisfactory despite likely domestic sewage inputs as indicated by a smell of detergent at the first two locations surveyed.

River and Code : **COUNTY WATER** **06/C/03**
Tributary of : Lough Muckno OS Catchment No: 94
OS Grid Ref : H 847 202 Date(s) Surveyed : 17 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1984	1990	1994	1997	2000
0050	County Br	-	-	-	-	-	3*
0080	Mullaghduff	-	-	-	-	-	3-4*
0100	Tullycollive Br	4-5	3	4-5	3	3	-
0170	Br u/s Wallace's Br	-	-	-	-	-	3-4
0200	Wallace's Br	4	3	4	3-4	3	-

Assessment: Significantly polluted by suspected sewage and slurry at County Bridge (0050) and slightly polluted at the two downstream locations in July 2000.

*Silt

River and Code : **CULLY WATER** **06/C/02**
Tributary of : Kilcurry OS Catchment No: 92
OS Grid Ref : J 025 109 Date(s) Surveyed : 6 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)						
		1978	1982	1986	1990	1994	1997	2000
0100	Dungooly Br	4-5	5	4-5	4-5	4-5	4-5	4-5
0200	Br u/s Kilcurry R confl	4-5	4-5	4-5	4-5	3-4	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **DEE**
 Tributary of : Glyde
 OS Grid Ref : O 086 935

06/D/01
 OS Catchment No: 96
 Date(s) Surveyed : 20, 21 July 2000.

Station No.	Biological Quality Ratings (Q Values)										
	1971	1974	1977	1978	1980	1983	1986	1990	1994	1997	2000
0016	-	-	-	-	-	-	-	4-5	4	4	3-4
0025	-	-	-	-	-	-	-	5	4	4	4
0035	-	-	-	-	-	-	-	4-5	3	3	3-4
0055	-	-	-	-	-	-	-	-	4	3-4	4
0075	-	-	-	-	-	-	-	-	3	4	4
0100	4-5	5	-	4-5	4	4-5	4-5	4-5	4-5	4	4
0200	4	3-4	-	2-3	3-4	4	4	4	3	3	3-4
0360	-	-	-	-	-	-	-	4	3-4	3-4	4
0450	-	-	-	-	-	-	-	-	3-4	3-4	3-4
0600	4-5	4	3-4	4	4	4-5	3-4	4-5	3-4	3	4
0680	-	-	-	-	-	4	4	4	3-4	3-4	4
0710	-	-	-	-	-	-	-	4	3-4	3-4	3-4
0800	4	4	3-4	3-4	4	4	3-4	4-5	3	3	3-4
1000	4	4	3-4	3	3-4	3-4	3-4	3-4	3	3	3-4

Sampling Station
 No. Location

Ervy Lough Branch

0016 Br u/s Ervy Lough
 0025 Br to N. of Ervy X-Rds
 0035 Br u/s Whitewood L

Kilmainham Wood Branch

0055 Breaky Br
 0075 Br N of Kilflannan (at T junction)
 0100 Br u/s Whitewood L

Sampling Station
 No. Location

Main Channel

0200 Deegvee Br
 0360 Br SE of Rockfield Ho
 0450 Hem Br
 0600 Burley Br
 0680 Dawson's Br (Footbridge Ardee)
 0710 150 m d/s Old Rly Br (LHS)
 0800 Drumgoolestown Br
 1000 Br at Drumcar

Assessment: An abatement in the intensity of eutrophication was recorded at eight of the fourteen locations surveyed on the Dee in July 2000: in half of these cases (0055, 0360, 0600 and 0680) fully satisfactory conditions were restored, in the remainder (0035, 0200, 0800 and 1000) the abatement was partial only. In just one case did quality deteriorate; this was in the upper reaches of the Ervy Lough Branch (0016) where cattle manure was the problem as it was also at Station 0035 on this branch and again at Stations 0200 and 0450 on the Main Channel. Sewage from Ardee is suspected as the agent responsible for the eutrophication of the lower river but here again conditions have improved somewhat since 1997.

River and Code : **FANE** 06/F/01
Tributary of : Sea - Dundalk Bay OS Catchment No: 94
OS Grid Ref : J 064 018 Date(s) Surveyed : 6, 7, 17, 18 July 2000.

Station No.	Biological Quality Ratings (Q Values)									
	1971	1974	1976	1980	1982	1986	1990	1994	1997	2000
0040	-	-	-	-	-	-	-	3-4	4-5	4
0100	4	-	3	4	4-5	3-4	3	3-4	3	3
0115	-	-	-	-	-	-	4	4	3-4	4
0155	-	-	-	-	-	-	-	2-3	2-3	2-3
0180	-	-	-	-	-	-	-	3	3	3
0200	4	-	3-4	4	3-4	3-4	3-4	3	3-4	3
0300	3	-	3-4	3-4	3-4	3-4	3-4	3	3	3
0400	-	-	-	3	3	3	3-4	3	3	3-4
0500	5	-	5	5	4-5	4	4-5	4	4	4
0650	-	-	-	-	-	-	5	3-4	4	4
0700	5	5	5	5	4	4	5	4	4-5	4-5
0900	5	5	5	4	4-5	-	4	3-4	4-5	4-5

Sampling Station

No. Location

East Branch

0040 Br in Creaghanroe
0100 Br 1.5km d/s Muckno Mill L

Carrickaslane Lough Branch

0115 Br u/s Carrickaslane L

West Branch

0155 South Br Dunfelimy
0180 2nd Br u/s Laragh L (Main Rd)
0200 0200 Derrycreevy Br

Sampling Station

No. Location

Main Channel

0300 Clarebane Br
0400 Ballynacarry Br
0500 Magoney Br
0650 Br in Inniskeen
0700 Castlering Br
0900 Stephenstown Br

Assessment: The Main Channel of the Fane continued to be in a mostly satisfactory condition in July 2000 but quality remained considerably depressed in the reach immediately below Lough Muckno (0300). Upstream of this lake the Carrickaslane Branch was in a satisfactory condition at the point examined (0115) and this marks an improvement since 1977 but no such improvements were apparent in the other two branches surveyed. The lower East Branch (0100) continued to be adversely affected by eutrophic outflows from Muckno Mill Lough while the West Branch remained in an unsatisfactory condition at each of the three locations surveyed (0155, 0180 and 0200) and DO was reduced to just 47% at Dunfelimy (0155) where the stream was heavily contaminated with cattle manure.

River and Code : **FLURRY** **06/F/02**
Tributary of : Sea - Dundalk Bay OS Catchment No: 91
OS Grid Ref : J 075 097 Date(s) Surveyed : 5 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1978	1980	1982	1984	1986	1990	1994	1997	2000
0100 Flurry Br	4-5	4-5	4-5	4	4	3	3-4	3/0	3
0300 Curralhir Br	4-5	4-5	5	4-5	4-5	4-5	4-5	4	3
0600 Proleek: Br near old Smithy	3	2	1-2	2-3	2-3	3	3-4	4	-
0700 Ballymascanlan Br	-	3-4	1-2	3	3	4	3-4	4	3

Assessment: Following substantial deteriorations at Curralhir and Ballymascanlan (0300, 0700) the Flurry River was significantly polluted at each of the three locations surveyed in early July 2000. There was a smell of sewage and oil at Flurrybridge where DO was just 67% of saturation.

River and Code : **GLYDE** **06/G/02**
Tributary of : Sea - at Annagassan OS Catchment No: 95
OS Grid Ref : O 090 940 Date(s) Surveyed : 18, 19 July 2000.

Station No.	Biological Quality Ratings (Q Values)										
	1971	1977	1978	1979	1981	1983	1985	1990	1994	1997	2000
0056	-	-	-	-	-	-	-	5	3	4-5	4-5
0066	-	-	-	-	-	-	-	4-5	4-5	4-5	4
0070	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5
0096	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5
0100	-	-	3	-	4-5	4	5	4-5	4-5	4-5	4-5
0400	-	-	4	-	4	4	3-4	4	4	3	4
0500	4	4	-	3-4	4	3-4	3-4	3	3	-	4
0600	4-5	4-5	-	4	4	5	4-5	4-5	4	3-4	4
0700	4-5	4	-	-	-	4	4	4	3-4	3-4	3-4
0900	-	-	-	4	4	4-5	4-5	5	3-4	3	4
1002	-	-	-	-	1	1	2-3	4	3	4	4
1200	3/0	3-4	-	3-4	3-4	4	3	3-4	3-4	3-4	3-4

Sampling Station
No. Location
Drumsallagh Branch
0056 Br W of Drumsallagh
0066 Murphy's Br ESE of Corrinshigo Ho
0070 Br u/s Magheraclone Branch

Sampling Station
No. Location
Magheraclone Branch
0096 Br N of Lisnakeeny

Continued

GLYDE Continued

Main Channel

0100	Corney Br	0700	Tallanstown Br
0400	Lagan Br	0900	Mapastown Br
0500	Aclint Br	1002	Mansfieldstown Br (RHS)
0600	Br W of Mullacrew	1200	Castlebellingham Br

Assessment: Following substantial improvements at Lagan, Aclint and Mapastown Bridges (0400, 0500 and 0900) the Glyde River was in a mostly satisfactory condition when surveyed in July 2000. Slight pollution, due to suspected sewage, persisted at Tallanstown (0700) and Castlebellingham (1200), however.

River and Code : **KILCURRY** **06/K/02**
 Tributary of : Castletown OS Catchment No: 92
 OS Grid Ref : J 028 098 Date(s) Surveyed : 6 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1978	1982	1986	1990	1994	1997	2000
0200 Br at Mill nr Falmore Hall	4	4-5	4-5	4-5	3	4-5	4

Assessment: Continuing satisfactory. A large septic tank has been built near the confluence of this river with the Cully Water.

River and Code : **KILLARY WATER** **06/K/01**
 Tributary of : Dee OS Catchment No: 96
 OS Grid Ref : N 884 760 Date(s) Surveyed : 20 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Killary Br Upper	3	3	3-4	3-4
0500 SW Br u/s Dee R confl	3-4	3-4	3-4	3-4

Assessment: Continuing unsatisfactory conditions due to over-enrichment and heavy siltation at both locations surveyed in July 2000.

River and Code : **PROULES** **06/P/01**
Tributary of : Glyde OS Catchment No: 95
OS Grid Ref : N 912 993 Date(s) Surveyed : 18 July 2000.

Station No.	Biological Quality Ratings (Q Values)											
	1971	1974	1976	1978	1980	1982	1984	1990	1991	1994	1997	2000
0100	5	-	5	5	5	4	4-5	5	-	4	4-5	-
0110	-	-	-	-	-	-	-	3	-	-	-	4-5
0300	1	1	1	3	1	3	3-4	1-2	1-2	2-3	2	2-3
0400	2	2	2-3	2-3	2	3-4	3	2	2	2	2	2-3
0600	4	-	4	3-4	4	4	4	3-4	-	3	3	3-4

Sampling Station		Sampling Station	
No.	Location	No.	Location
0100	Br W of Old Workhouse	0400	Broken Br (Br d/s Lough Naglack)
0110	500m d/s Dry Br (d/s St 0100)	0600	Br at Killanny
0300	Just u/s Lough Naglack		

Assessment: The Proules River continued to be of a satisfactory quality status upstream of the sewage discharge at Carrickmacross (0100) and, although improved somewhat below this point since 1997, the river was again significantly polluted at the locations sampled between Lough Naglack and Monalty Lough (0300, 0400): the lower reaches had also improved and were just slightly polluted where surveyed (0600), in July 2000.

River and Code : **RASKEAGH** **06/R/02**
Tributary of : Sea - Dundalk Harbour OS Catchment No: 93
OS Grid Ref : J 067 092 Date(s) Surveyed : 5, 6 July 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br S of Old Windmill	4	3	3	3
0600	Br W of Strandfield	-	-	-	3-4

Assessment: Moderate pollution of agricultural origin continued at the upper surveyed location (0200) while the newly surveyed station 0600 indicated markedly eutrophic conditions in early July 2000.

River and Code : **TERMONFECKIN** **06/T/01**
Tributary of : Sea - N. of Drogheda OS Catchment No: 97
OS Grid Ref : O 156 804 Date(s) Surveyed : 24 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1978	1983	1986	1990	1994	1997	2000
0300 Channelrow Br	4	-	4	3	3	3	inacc.
0350 Sandpit Br	-	3-4	3	3	-	-	3*
0400 Br in Termonfeckin	-	3-4	3	2-3	3	3/0	3-4

Assessment: Unsatisfactory at both locations surveyed and inaccessible at Channelrow Bridge (0300) in July 2000. The stream was very heavily silted at Sandpit Bridge (0350) and, although improved since 1997, distinctly eutrophic in Termonfeckin (0400)

* Siltation

River and Code : **WHITE (LOUTH)** **06/W/01**
Tributary of : Dee OS Catchment No: 96
OS Grid Ref : O 062 908 Date(s) Surveyed : 24 July 2000.

Station No.	Biological Quality Ratings (Q Values)											
	1971	1974	1976	1978	1980	1982	1986	1990	1991	1994	1997	2000
0040	-	-	-	-	-	-	-	4	-	4-5	4-5	3-4
0100	-	-	-	3-4	4-5	3-4	4-5	4-5	-	4	4	3-4
0200	4	3	3	3-4	4	4-5	4-5	4	-	-	-	-
0290	-	-	-	-	-	-	-	3-4	-	3	3	3-4
0500	2-3/0	2-3/0	1/0	3/0	3	3/0	1/0	2	2	2-3	2-3	3-4

Sampling Station		Sampling Station	
No.	Location	No.	Location
0040	Br u/s White River Br	0290	Grangebellew Rd Br Dunleer
0100	New Br	0500	Coneyburrow Br
0200	Athclare Br		

Assessment: Although considerably improved in its lower reaches since 1997 the White river was assessed as over-enriched at all points examined in July 2000 and this represents a significant deterioration in the formerly satisfactory reaches (0040, 0100). Agriculture suspected.

HYDROMETRIC AREA No. 07

Boyne

Athboy	07A01
*Blackwater (Kells)	07B01
Blackwater (Longwood)	07B02
Boycetown	07B03
*Boyne	07B04
Castlejordan	07C04
Chapel Lake Stream	07C05
Deel (Raharney)	07D01
Devlin's	07D02
Drumkeery Lough Stream	07D03
Glash	07G02
Kinnegad	07K01
Knightsbrook	07K02
Lislea	07L01
Mattock	07M01
Milltownpass	07M04
Moynalty	07M03
Nadreegeel Lough Stream	07N01
Riverstown	07R01
Rochfortbridge Stream	07R04
Skane	07S01
Stonyford	07S02
Yellow (Blackwater)	07Y01
Yellow (Castlejordan)	07Y02

*Having seriously polluted stretch(es) at time of this survey.

River and Code : **ATHBOY**

07/A/01

Tributary of : Boyne

OS Catchment No: 159

OS Grid Ref : N 774 566

Date(s) Surveyed : 24, 25 August 2000

Station No.	Biological Quality Ratings (Q Values)									
	1971	1973	1975	1979	1981	1985	1990	1994	1997	2000
0020	-	-	-	-	-	-	-	4	4	3-4
0050	-	-	-	-	-	-	3-4	3-4	3-4	3
0070	-	-	-	-	-	-	4	4	4	3
0100	-	-	-	-	4	3-4	3-4	3-4	4	4
0200	4	4-5	4	3-4	4	3	3-4	3	3	3-4
0300	3-4	3-4	2-3	2-3	3-4	4	3-4	3-4	3-4	3-4
0400	3-4	3	3	3-4	4	4	3-4	3-4	3-4	-
0500	-	3-4	4	3-4	4	3	3-4	3	3	3-4

Sampling Station

No. Location

0020 Br NW of Dogstown

0050 Br W of Kilskeer

0070 Br W of Johnsbrook Ho

0100 Br nr Clonleasan Ho

Sampling Station

No. Location

0200 Just u/s Athboy Br

0300 Br 2km SE of Athboy

0400 Tremblestown Br

0500 Kilnagross Br

Assessment: The Athboy river was in generally unsatisfactory condition at the time of this survey in August 2000. The upper reaches were mostly overgrown and heavily silted and in a somewhat worse condition than in 1997, particularly at Station 0070 where a marked deterioration was apparent. Following slight improvements in the town (0200) and at the lowermost location (0500) the reach from Athboy to the Boyne, though still markedly eutrophic, was in a somewhat better condition than formerly.

River and Code : **BLACKWATER (KELLS)** **07/B/01**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : N 872 680 Date(s) Surveyed : 8 to 13 September 2000

Station No.	Biological Quality Ratings (Q Values)											
	1971	1974	1977	1978	1980	1982	1984	1987	1990	1994	1997	2000
0100	-	3-4	-	4-5	4	4-5	4-5	-	-	4	4	4-5
0170	-	-	1	-	1	1	1	1	1	2	2-3	2
0200	1	1-2	-	1	1	1	1/0	1	1	2	-	-
0280	-	-	-	-	-	-	-	-	3	3	3	3
0420	-	-	-	-	-	-	3-4	-	3-4	3-4	3-4	4
0500	5	4-5	5	4-5	3-4	3-4	3-4	-	4	3-4	3-4	3-4
0600	-	-	-	4	4	3-4	3-4	-	3-4	3-4	3-4	3-4
0800	5	5	-	4	4	4	4	-	4	3-4	4	4
0900	3-4	3-4	-	2-3	3	-	3	-	3	3	3	3
1000	4	4	-	3-4	-	3-4	4	-	3-4	3	3	3-4
1100	5	4-5	-	4	4	-	4	-	4	4	4	4
1200	5	5	-	4-5	4	-	4-5	-	4	3-4	4	3-4
1300	5	4-5	-	4	3-4	-	3-4	-	4	3-4	3-4	3-4
1400	5	-	5	-	4	-	4	-	4	4	4	4
1500	5	-	5	-	4	-	4	-	4	3-4	4	3-4
1790	-	-	-	-	-	-	-	-	-	-	-	3-4
1800	4-5	-	4-5	-	4	-	3-4	-	4	3-4	3	-

Sampling Station		Sampling Station	
No.	Location	No.	Location
0100	Br 2km NE of Bailieborough	1000	Daly's Br
0170	Br at Drumbannon	1100	Br nr Carnaross
0200	Footbridge u/s Castle L	1200	Mabe's Br
0280	3rd Br d/s Castle L	1300	Sedenrath Br (Headford Br)
0420	Br d/s Parker's Br	1400	Bloomsberry Br (250m u/s)
0500	Br in Killinkere	1500	Donaghpatrick Br
0600	Stramaquerty Br (nr Drumagolan)	1790	100m d/s Bypass Br
0800	Just u/s L Ramor (RHS)	1800	Pollboy Br (Slane Rd) Navan
0900	Nine Eyes Bridge		

Assessment: With ten of the fifteen surveyed locations failing to reach a satisfactory standard, the overall condition of the Blackwater in September 2000 was broadly similar to that obtaining in previous years. Serious pollution, of suspected industrial origin, was again recorded at Drumbannan (0170) and together with the Bailieboro sewage discharge a little further downstream it is unlikely that any recovery would have taken place before Castle Lake. The effects of these discharges were still apparent in the reach from Castle Lake to Parker's Lake which, as the Q3 at Station 0280 indicated, continued to be significantly polluted. A slight improvement at Station 0420 indicated that much of the reach from Parker's Lake to Killinkere (0500) was likely to have been in a satisfactory condition but faunal anomalies suggested less than satisfactory water quality from this point to Stramaquerty (0600). The stretch immediately above Lough Ramor (0800) continued to reflect satisfactory water quality but once again the highly eutrophic condition of this lake was indicated by the faunal structure at Nine Eyes Bridge (0900) downstream. Then followed a gradual recovery so that satisfactory conditions were once again restored at Carnaross (1100) but

below this point heavy siltation significantly depressed biological diversity at the points surveyed above and below Kells (1200 and 1300). Siltation was still considerable at Bloomsberry Bridge (1400) but not of sufficient severity as to unduly depress biological diversity but a distinct deterioration was then apparent at Donaghpatrick Bridge (1500) and from this point to the Boyne confluence the Blackwater was assessed as considerably over-enriched. The sampling location in Navan was moved upstream to (100m d/s) the new by-pass bridge but, despite more favourable flow conditions there, sensitive species were absent indicating significant pollution levels there as at Pollboy Bridge (1800) in 1997. An untreated sewage discharge was noted on the right-hand (west) side of the river at the new location.

River and Code : **BLACKWATER (LONGWOOD)** **07/B/02**
 Tributary of : Boyne OS Catchment No: 159
 OS Grid Ref : N 712 503 Date(s) Surveyed : 21 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0050 Br nr Derrycrib	-	-	-	2	3	-	-
0060 Br S of Hortland	-	-	-	-	-	4	4
0070 Br N of Hortland	-	-	-	3	4	-	-
0100 Br at Johnstown	4	3-4	3-4	3-4	4	4	4
0200 Blackwater Br	-	4	3-4	3-4	3-4	3-4	3
0400 Br NE of Longwood	4-5	4	3-4	3-4	3-4	3-4	3-4
0600 Br u/s Boyne R confl	4	5	4	4-5	4	3-4	3-4

Assessment: Continuing satisfactory above Johnstown, less so below. Sewage discharges suspected for the deterioration at Blackwater Bridge (0200) and the eutrophic condition of the lower river. DO ranged from 70% (at 0060) to 141% (at 0600) on the day of this survey.

River and Code : **BOYCETOWN** **07/B/03**
 Tributary of : Boyne OS Catchment No: 159
 OS Grid Ref : N 833 564 Date(s) Surveyed : 5 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0200 Br N of Martinstown	-	3	3	3-4	3-4	3	3
0300 Scurlockstown Br	4	3-4	4	4	3-4	3	3

Assessment: Because of the continuing absence of sensitive species and the excessive algal development the Boycetown River was again classed as moderately polluted at both locations surveyed in early September 2000.

River and Code : **BOYNE** **07/B/04**
Tributary of : Sea - Drogheda Harbour OS Catchment No: 159
OS Grid Ref : O 091 751 Date(s) Surveyed : 11 to 25 Aug. and 6, 7 Sept. 2000

Station No.	Biological Quality Ratings (Q Values)											
	1971	1973	1974	1975	1977	1979	1981	1986	1990	1994	1997	2000
0100	4-5	-	-	-	-	-	3-4	4	4	-	3	3-4
0200	2-3	3-4	-	3-4	3	4	4	4	3	4	2-3	3-4
0300	2-3	2-3	-	2	1-2	2-3	4	4	-	3	2	1-2
0400	4-5	3	-	-	4-5	4	4	4	4	4	3	3
0600	4-5	-	4	-	4	4	4	4-5	4	4	3-4	3
0800	4-5	-	3	-	-	4	4-5	4-5	4	4	3-4	3-4
0900	5	-	3-4	-	-	4-5	5	5	4	4	4	4
1000	5	-	4	-	-	4	5	5	3-4	3-4	4	3-4
1200	-	-	4-5	-	-	-	4	4-5	3-4	3-4	4	3-4
1400	-	-	4	-	-	3-4	3-4	4	3-4	3-4	3	3
1500	5	-	4-5	-	-	4-5	5	4	3-4	3-4	3-4	3-4
1600	-	-	-	-	-	-	4	4-5	3-4	3-4	3-4	3-4
1700	5	-	4	-	-	3-4	4	4-5	3-4	-	-	-
1800	-	-	-	-	-	4	4-5	4-5	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
2010	-	-	-	-	-	-	-	4	3-4	3-4	3	3-4
2100	4-5	4-5	-	4	4	4	4-5	4	4	3-4	3	3-4
2150	-	-	-	-	-	-	-	-	4-5	3-4	3-4	4
2200	5	4-5	-	3-4	4	4	4	4	-	-	3-4	3-4

Sampling Station

No.	Location
0100	River Br
0200	Boyne Br
0300	Kinnafad Br
0400	Ballyboggan Br
0600	Ashfield Br
0800	Inchamore Br
0900	Scarriff Br
1000	Derrinydaly Br
1200	West Br Trim
1400	u/s Knightsbrook R confl (RHS)

Sampling Station

No.	Location
1500	Bective Br
1600	Ballinter Br
1700	Kilcarn Old Bridge
1800	Railway Br Navan
1900	2km d/s Navan (LHS)
2010	d/s Broadboyne Br (RHS)
2100	Slane Br
2150	Ford S of Broc Ho
2200	Oldbridge (Obelisk Br)

Assessment: As a consequence of widespread eutrophication from a variety of sources including eutrophic inflows from the Kinnegad, Blackwater and Athboy rivers, just two of the eighteen locations surveyed on the Boyne in August/September 2000 were of a satisfactory quality standard: these were at Scarriff Bridge (0900) and Broc House (2150). Agriculture is suspected as the cause of the reduced quality status of the upper river (0100, 0200) but the continuing serious pollution at Kinnafad Bridge (0300) and the moderate pollution at Ballyboggan and Ashfield Bridges (0400, 0600) is primarily attributed to suspected sewage discharges from Edenderry. Moderate pollution persisted below Trim (1400) but a significant improvement was recorded below Navan (1900) where a new sewage treatment plant was recently commissioned.

River and Code : **CASTLEJORDAN** **07/C/04**
Tributary of : Yellow (Castlejordan) OS Catchment No: 159
OS Grid Ref : N 592 378 Date(s) Surveyed : 15 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0060 SE of Rahinine	-	-	-	3-4	2-3	2-3	3
0100 Baltinoran Br	-	4-5	3-4	4	3-4	3-4	4
0190 Castlejordan Br	-	-	-	4	3-4	3-4	4
0200 0.5km d/s Castlejordan Br	4-5	4	3-4	-	-	-	-

Assessment: A widespread improvement was apparent in the quality of the Castlejordan River in August 2000 but suspected sewage from Rochfortbridge continued to pollute the river at Rahinine (0060).

River and Code : **CHAPEL LAKE STREAM** **07/C/05**
Tributary of : Blackwater (Kells) OS Catchment No: 159
OS Grid Ref : N 614 945 Date(s) Surveyed : 11 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br nr Drumosclin	-	-	4	4
0700 Br u/s Blackwater R confl	3	4	4	4

Assessment: Continuing satisfactory.

River and Code : **DEEL (RAHARNEY)** **07/D/01**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : N 695 496 Date(s) Surveyed : 22, 23 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1976	1978	1982	1985	1990	1994	1997	2000
<i>Lough Lene Branch</i>									
0040 Br u/s Lough Adeel	-	-	-	-	-	4-5	4	3-4	4
<i>Main Channel</i>									
0070 Br W of Mabestown	-	-	-	-	-	4	4	4-5	4
0090 E Br u/s Lough Analla	-	-	-	-	-	3	3-4	4	3-4
0200 Cummer Br	5	4-5	4-5	4	4-5	4-5	3-4	3-4	3-4
0300 Raharney Br	-	5	4-5	4-5	4-5	4	3-4	3-4	3-4
0400 Inan Br	5	4	4-5	4-5	5	3-4	3-4	3-4	3-4
0600 Br u/s Boyne R confl	5	4	4	4-5	4-5	4-5	4	3-4	4

Assessment: The Lough Adeel Branch (0040) and the upper (0070) and lower (0600) Main Channel were satisfactory where surveyed in August 2000 but for much of its course the Deel was again assessed as over-enriched (eutrophic) and it was also heavily silted at several locations (0070, 0090 and 0400). Agriculture is suspected as the primary source of the silt and nutrients responsible for the reduced quality recorded.

River and Code : **DEVLIN'S** **07/D/02**
Tributary of : Mattock OS Catchment No: 159
OS Grid Ref : O 001 763 Date(s) Surveyed : 8 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0140 Br S of Grange X-Rds	-	-	-	-	3-4	2/0	3
0200 Devlin's Br	4-5	4-5	3/0	4	-	-	-
0300 Ford u/s Mattock R confl	-	4	4	-	3-4	3	3-4

Assessment: Pollution levels decreased considerably in the Devlin's River since 1997 but heavy siltation continued to depress biological diversity at both locations surveyed in September 2000. Agriculture suspected.

River and Code : **DRUMKEERY LOUGH STREAM** **07/D/03**
 Tributary of : Castle Lough OS Catchment No: 159
 OS Grid Ref : N 668 990 Date(s) Surveyed : 11 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1982	1990	1994	1997	2000
0100 Br d/s Skeagh Lough	2-3	3	3	3	4
0400 Just u/s Castle Lough	-	4	3	3	2-3

Assessment: A marked improvement was recorded below Skeagh Lough (0100) in September 2000 but further deterioration was evident just above Castle lake (0400) where there was evidence of heavy organic pollution and a smell of chemicals (probably insecticide).

River and Code : **GLASH** **07/G/02**
 Tributary of : Boyne OS Catchment No: 159
 OS Grid Ref : N 667 423 Date(s) Surveyed : 14 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Clonuff Br	-	3	3	3-4
0500 Br nr Broadford	3-4	-	-	-
0600 Br u/s Boyne R confl	4	3-4	3	3-4

Assessment: Improved since 1997 but still significantly affected by cattle manure at both locations surveyed in August 2000.

River and Code : **KINNEGAD** **07/K/01**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : N 678 446 Date(s) Surveyed : 14, 15 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)									
	1976	1978	1981	1983	1985	1990	1994	1997	2000	
0060 Br SE of Cloonfad Ho	-	-	-	-	-	3-4	2-3	3	3-4	
0100 Ballivor Rd Br Kinnegad	1-2	1	3	3	3	1	3-4	3-4	3	
0300 Clonard Br	2	1	4-5	3-4	3	3-4	3-4	3	3	

Assessment: Excessively weedy throughout and heavily silted in and below Kinnegad (0100, 0300) the river was in an unsatisfactory quality condition at each of the three points examined and further deterioration was apparent at the town (0100) where DO was reduced to just 66% in mid-August 2000.

River and Code : **KNIGHTSBROOK** **07/K/02**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : N 829 564 Date(s) Surveyed : 25 August & 5 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1976	1981	1985	1990	1994	1997	2000	
0100 Moynalvy Br	-	3-4	3	-	3	-	-	
0300 Dangan Br	-	3-4	3	3	3	3	2-3	
0360 Br nr Summerstown Ho	-	-	-	-	3-4	3-4	3	
0500 Br u/s Boyne R confl	4	4	4	3-4	4	4	3	

Assessment: Following a marked increase in organic pollution at Dangan Bridge (0300) where DO was reduced to just 60%, and with very heavy siltation at each of the three points examined, the Knightsbrook river was in a very unsatisfactory condition in August-September 2000.

River and Code : **LISLEA** **07/L/01**
Tributary of : Lough Ramor OS Catchment No: 159
OS Grid Ref : N 622 862 Date(s) Surveyed : 12 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1980	1988	1994	1997	2000
0100 Br u/s Lough Ramor	4	4	4	4	4

Assessment: Enriched and silted but assessed as satisfactory in September 2000.

River and Code : **MATTOCK** **07/M/01**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : O 037 757 Date(s) Surveyed : 7 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0050 Slane Rd Br Collon	-	-	-	4	4	3-4	3-4
0100 Boyd's Br	-	4-5	4	3	3-4	3	3-4
0200 Br u/s Devlins R confl	5	4-5	4-5	4-5	3-4	3-4	4
0300 New Br u/s Boyne R confl	-	5	4-5	-	3-4	4	3

Assessment: Because of continuing eutrophication in its upper reaches (0050, 0100) - due to suspected sewage discharges at Collon - and marked pollution of suspected agricultural origin in its lower reaches (0300) the Mattock River was again classed as mostly unsatisfactory in September 2000.

River and Code : **MILLTOWNPASS** **07/M/04**
Tributary of : Castlejordan OS Catchment No: 159
OS Grid Ref : N 530 420 Date(s) Surveyed : 15 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br in Milltownpass	3-4	3-4	3	3

Assessment: Moderate pollution again indicated by the absence of all sensitive macroinvertebrate species.

River and Code : **MOYNALTY** **07/M/03**
Tributary of : Blackwater (Kells) OS Catchment No: 159
OS Grid Ref : N 787 742 Date(s) Surveyed : 13, 14 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1978	1980	1984	1986	1990	1994	1997	2000
Main Channel									
0050 Br nr Lurganbane	-	-	-	-	-	4	4	3	3-4
0070 Cloggagh Br	-	-	-	-	-	3	3	3-4	3
0090 Skearke Br	-	-	-	-	-	-	3	4	3-4
0100 Rathbourne's Br	-	5	3-4	4	3-4	3	-	-	-
0300 Br d/s Rosehill Br	-	4	3-4	3-4	3-4	3-4	3-4	3	3
Mullagh Branch									
0400 Br u/s Main Ch confl	-	3	3-4	3-4	3	3	3	3	3
Main Channel (Continued)									
0600 Moynalty Br	-	4-5	3-4	-	3-4	3-4	4	3-4	3-4
0800 Carlanstown Br	-	-	4	-	4	4	4	3-4	3
0900 Fyanstown Br	5	3-4	4	-	4	-	4	4	3

Assessment: None of the locations surveyed in September 2000 was in a satisfactory quality condition due to widespread eutrophication and to more serious pollution a) at Cloggagh Bridge (0070) where DO was reduced to just 46% - agriculture suspected, b) in the Mullagh area (0300) – industry suspected, c) below Moynalty (0800, 0900) - sewage and agriculture suspected and d) on the lower Mullagh Branch (0400) – sewage suspected.

River and Code : **NADREEGEEL LOUGH STREAM** **07/N/01**
Tributary of : Lough Ramor OS Catchment No: 159
OS Grid Ref : N 594 870 Date(s) Surveyed : 12 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1978	1980	1982	1984	1990	1994	1997	2000
0100 Assan Br	-	4-5	4-5	3-4	3-4	3-4	4-5	3-4
0200 Billis Br	4	4	4-5	4	3	3	3	4
0500 Br nr Cranadillon	4	4	3-4	4	3-4	3-4	3-4	3-4

Assessment: Has improved considerably at Billis Bridge (0200) since 1997 but elsewhere the stream was generally weedy and silted and of a less than satisfactory quality standard. Agriculture suspected.

River and Code : **RIVERSTOWN** **07/R/01**
Tributary of : Deel (Raharney) OS Catchment No: 159
OS Grid Ref : N 607 515 Date(s) Surveyed : 22 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
South Branch							
0090 Br nr Knockmant	-	-	-	-	4	4	4
Main Channel							
0100 Riverstown Br	-	3	4-5	3	3-4	3-4	3
0200 Br u/s Deel R confl	4-5	4	4-5	3-4	3-4	3	3

Assessment: The lower reaches (0090) of the slow flowing South Branch of the Riverstown River were considerably silted and relatively low in DO (66%) at the time of this survey in August 2000 but the presence of two sensitive mayfly and stonefly species indicated fairly acceptable quality conditions there. A biological sample was not possible upstream of this point but some considerable pollution loading was indicated by abundant algal growths and a DO of just 49% at Derreenavagh (St. 0070) some 2.5 km upstream. Significant pollution was also indicated at both surveyed locations on the Main Channel (0100, 0200) at that time. Agriculture and sewage suspected.

River and Code : **ROCHFORTBRIDGE STREAM** **07/R/04**
Tributary of : Castlejordan OS Catchment No: 159
OS Grid Ref : N 470 404 Date(s) Surveyed : 15 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br SE of Derry	3	4	3-4	3

Assessment: Conditions worsened in this stream which was assessed as moderately polluted by suspected agriculture in 2000.

River and Code : **SKANE** **07/S/01**
 Tributary of : Boyne OS Catchment No: 159
 OS Grid Ref : N 871 613 Date(s) Surveyed : 6 September 2000.

Stations No.	Biological Quality Ratings (Q Values)									
	1979	1981	1983	1985	1987	1990	1991	1994	1997	2000
0100	3-4	3-4	2-3	2-3	3	2-3	-	-	-	-
0150	-	-	-	-	-	3-4	-	3	2-3	2-3
0200	1	3	3	2	2	2	2	-	-	-
0300	-	-	3	2-3	2	2	2	2-3	2-3	3
0510	-	-	-	-	-	3	-	3	3	3
0600	3-4	3-4	3-4	3	-	3-4	-	3	3	3

Sampling Station		Sampling Station	
No.	Location	No.	Location
0100	Drumree Br	0300	Athronan Br
0150	2 km d/s Drumree Br	0510	Br NE of Balgeeth
0200	Dunsany Br	0600	Dowdstown Br

Assessment: Sewage from Dunshaughlin is suspected as causing the continuing very poor quality of the upper Skane River (at 0150, where DO just 44%) and the moderate pollution below Kilmessan (at 0510). This sewage contamination is augmented by suspected agricultural pollution below Warrenstown (at 0300) and generally throughout the catchment.

River and Code : **STONYFORD** **07/S/02**
 Tributary of : Boyne OS Catchment No: 159
 OS Grid Ref : N 737 531 Date(s) Surveyed : 21 to 24 August 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1976	1981	1985	1990	1994	1997	2000	
East Branch									
0015	Br N of Boherard	-	-	-	-	4-5	3	3	
0030	Snipe's Br	-	-	-	4	3-4	3	3-4	
West Branch									
0045	Br NW of Geehanstown	-	-	-	-	4-5	3-4	3-4	
0055	Curlingford Br	-	-	-	4	4-5	3-4	3-4	
Main Channel									
0065	Br SW of Ballinlough	-	-	-	-	-	-	3-4	
0070	Br SW of Clonmaskill	-	-	-	3-4	3-4	3-4	-	
0075	Br E of Ballyhealy Lr	-	-	-	-	-	-	3-4	
0080	Lisclogher Br	-	-	-	3-4	4	3-4	-	
0090	Br u/s Rathkenna Br	-	-	-	3-4	4	4	4	
0300	Shanco Br	-	4	4	4	4	4	4	
0400	Stonyford Br	4-5	4	4	3-4	4	4	4	

Continued

Stonyford Continued

Assessment: Both of the branches and the upper half (approx.) of the Main Channel of the Stonyford River remained in a distinctly eutrophic condition with more pronounced effects apparent in places (0015). DO was reduced to 52% at Snipe's Bridge (0030) at the time of this survey but relatively high numbers of sensitive species indicated a tendency towards recovery there. Agriculture is suspected as the primary cause of this less than satisfactory overall condition with sewage from Delvin also contributing to the eutrophication observed.

River and Code : **YELLOW (BLACKWATER)** **07/Y/01**
Tributary of : Blackwater (Kells) OS Catchment No: 159
OS Grid Ref : N 834 710 Date(s) Surveyed : 8 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1971	1990	1994	1997	2000
1100 Br u/s Blackwater R confl	4-5	4	3-4	3	3

Assessment: Again heavily silted, very weedy and lacking sensitive species. Unsatisfactory. No change.

River and Code : **YELLOW (CASTLEJORDAN)** **07/Y/02**
Tributary of : Boyne OS Catchment No: 159
OS Grid Ref : N 612 372 Date(s) Surveyed : 15 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1981	1985	1990	1994	1997	2000
0060 Nr Derryarkin	-	-	-	-	4	4	4
0100 Garr Br	-	3-4	4	3-4	4	3-4	3
0300 Clongall Br	4-5	4-5	4	4	4	4	4

Assessment: Further deterioration was recorded at Garr Bridge (0100) where the river was totally overgrown, flow rates much reduced and DO values considerably depressed (69%). Agriculture suspected. The upper and lower reaches (0060, 0300) remained satisfactory.

HYDROMETRIC AREA No. 10

Avoca - Vartry

Askanagap Stream	10A06
Aughrim	10A02
*Avoca	10A03
Avonbeg	10A04
Avonmore	10A05
Ballycreen Brook	10B02
Ballyduff Stream	10B01
Cloghoge Brook	10C01
Coolalug Stream	10C02
Dargle	10D01
Derry Water	10D02
Glencree	10G01
Glencullen	10G02
Glendasan	10G06
Glenealo	10G05
Glenmacnass	10G03
Gold Mine	10G04
Kill of the Grange Stream	10K02
Kilmacanoge	10K03
Newcastle	10N01
Newtownmountkennedy	10N02
Ow	10O01
Potters	10P01
Redcross	10R01
Shanganagh	10S01
Templerrainy Stream	10T04
Three Mile Water	10T01
Vartry	10V01

*Having Seriously Polluted Stretch(es)

River and Code : **ASKANAGAP STREAM** **10/A/06**
Tributary of : Derry Water OS Catchment No: 171
OS Grid Ref. : T 057 766 Date(s) Surveyed : 28 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br u/s Derry R confl	4	5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **AUGHRIM (WICKLOW)** **10/A/02**
Tributary of : Avoca OS Catchment No: 171
OS Grid Ref. : T 196 768 Date(s) Surveyed : 25 May 1999* (note)

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1990	1994	1997	1999	2000
0200 Coat's Br	4	5	4-5	4-5	-
0400 Wooden Br	5	4-5	4-5	4	-

Assessment: When surveyed in May 1999 water quality in the Aughrim River was satisfactory despite considerable siltation at both locations and slime growths at Coat's Br (0200).

River and Code : **AVOCA** **10/A/03**
Tributary of : Sea - Arklow Harbour OS Catchment No: 171
OS Grid Ref. : T 256 729 Date(s) Surveyed : 27 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)									
	1971	1974	1977	1981	1986	1990	1994	1997	2000	
0680 1 km d/s Avonbeg R confl	-	-	-	-	-	4-5	5	4	4	
0700 Avoca Br	1/0	1/0	1/0	1/0	1/0	1/0	1/0	flood	1/0	

Assessment: Quality was again just "Fair" in the upper reaches (0680) deteriorating to "Bad" under the influence of toxic leachate from the old mines complex. No change.

River and Code : **AVONBEG** **10/A/04**
Tributary of : Avoca OS Catchment No: 171
OS Grid Ref. : T 190 832 Date(s) Surveyed : 26, 27 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Ford nr Barravore	5	3-4*	4	3-4
0400 Drumgoff Br	5	4	4	4
0600 Greenan Br	4	4	4	3-4*
0800 Meetings Br	4-5	4	4-5	4

Assessment: Forestry activities are suspected as causing an overall quality deterioration in the Avonbeg River which was markedly eutrophic in its upper reaches (0100) and heavily silted in the Greenan area where slime complexes were extensive in late July 2000.

River and Code : **AVONMORE** **10/A/05**
Tributary of : Avoca OS Catchment No: 171
OS Grid Ref. : T 190 832 Date(s) Surveyed : 25, 26 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1971	1974	1981	1985	1990	1994	1997	2000
0010 Br d/s Lough Tay	-	-	-	-	5	-	4-5	5
0050 Br in Annamoe	-	-	-	-	4	4	4	4
0100 Br SE of Bookey's Br	-	-	5	4-5	4-5	4	4	4
0200 Clara Br	-	4-5	5	4-5	4-5	4-5	4-5	4
0300 Rathdrum Br	5	3-4	5	4-5	4	4-5	4-5	4
0500 Lion's Br	5	5	5	5	5	4	4	4-5

Assessment: Increasing siltation and restricted faunal diversity indicate some pressures on this river which, nevertheless continued to be of a satisfactory quality standard at the points surveyed in July 2000.

River and Code : **BALLYCREEN BROOK** **10/B/02**
 Tributary of : Aughrim OS Catchment No: 171
 OS Grid Ref. : T 130 796 Date(s) Surveyed : 27 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br W of Macreddin	5	4-5	4	4-5
0700 Tinnakilly Br	5	4-5	4	4-5

Assessment: Despite heavy siltation in the Macreddin area (0400) biological diversity indicated generally satisfactory water quality there and also further downstream at Tinnakilly (0700).

River and Code : **BALLYDUFF STREAM (WICKLOW)** **10/B/01**
 Tributary of : Avoca OS Catchment No: 171
 OS Grid Ref. : T 224 748 Date(s) Surveyed : 13 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Ballyduff Br	3-4	3-4	3	3/0

Assessment: Continuing unsatisfactory. Remains significantly polluted with indications of toxicity. Water treatment plant suspected.

River and Code : **CLOGHOGE BROOK** **10/C/01**
 Tributary of : Avonmore OS Catchment No: 171
 OS Grid Ref. : O 161 059 Date(s) Surveyed : 25 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br u/s Annamoe R confl	5	5	5	4-5

Assessment: Despite considerable siltation water quality continued at a satisfactory standard in this remote tributary of the Avonmore River.

River and Code : **COOLALUG STREAM** **10/C/02**
Tributary of : Derry Water OS Catchment No: 171
OS Grid Ref. : T 070 747 Date(s) Surveyed : 28 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Coolalug Br	4	4	4-5	3/0
0500 Br d/s Killaveny Br	3-4	3-4	4-5	3*

Assessment: Forestry activities are suspected as causing the unsatisfactory condition of the Coolalug Stream in late July 2000. Acid sensitive mayflies had disappeared from the upper reaches (0300) while the lower reaches were very heavily silted.

* Heavy siltation

River and Code : **DARGLE** **10/D/01**
Tributary of : Sea - at Bray Harbour OS Catchment No: 169
OS Grid Ref. : O 268 193 Date(s) Surveyed : 29 June 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1974	1978	1982	1986	1990	1994	1997	2000
0010 Ballinagee Br	-	-	-	5	5	5	5	4-5	4-5
0100 Br u/s Glencullen R	-	-	-	5	4-5	4-5	4-5	4	3
0200 D/s Glencullen R confl	5	5	5	5	5	-	-	-	-
0250 1 km u/s Bray Br	-	-	-	-	-	4-5	4	3-4	3

Assessment: A marked deterioration was recorded in the lower reaches of the Dargle (0100, 0250) which were very dirty and hypertrophic in late June 2000. Sewage from Enniskerry suspected. The upper two thirds of the river remained in a satisfactory condition.

River and Code : **DERRY WATER** **10/D/02**
Tributary of : Aghrim OS Catchment No: 171
OS Grid Ref. : T 118 788 Date(s) Surveyed : 28 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br NW of Moyne	-	4-5	4	4
0600 Ballinglen Br	5	5	4-5	4-5
0800 Annacurragh Br	4	4	4-5	3-4

Assessment: Continuing mostly satisfactory but siltation and algal growths excessive in the lower reaches (0800). Has deteriorated since 1997. Agriculture suspected.

River and Code : **GLENCREE** **10/G/01**
Tributary of : Dargle OS Catchment No: 169
OS Grid Ref. : O 204 148 Date(s) Surveyed : 10 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1982	1986	1990	1994	1997	2000
0100 Wooden Br SE of Ballycoyle	-	5	5	5	-	4
0200 Br u/s Dargle R confl	5	5	5	5	5	5

Assessment: Continuing satisfactory despite a loss of biological diversity in the heavily afforested upper reaches (0100).

River and Code : **GLENCULLEN** **10/G/02**
Tributary of : Dargle OS Catchment No: 169
OS Grid Ref. : O 246 174 Date(s) Surveyed : 29 June 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1971	1974	1978	1985	1990	1994	1997	2000
0100 Glencullen Br	5	5	5	5	5	5	5	5
0300 2 km u/s Enniskerry Br	4-5	5	5	5	4-5	4-5	4-5	4-5
0400 1.5 km d/s Enniskerry Br	5	4-5	4	4-5	-	-	-	-
0500 Just u/s Dargle R confl	-	-	-	-	4-5	4-5	3-4	4

Assessment: Satisfactory and improved in its lower reaches (0500) since 1997.

River and Code : **GLENDASAN** **10/G/06**
Tributary of : Glenealo OS Catchment No: 171
OS Grid Ref. : T 124 963 Date(s) Surveyed : 25 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br nr Old Lead Works	3/0	4-5	5	5
0200 Br u/s Glenealo R confl	5	4	5	4

Assessment: Continuing satisfactory but there were signs of some ecological stress in the lower reaches (0200) where quality was just 'Fair' in late July 2000.

River and Code : **GLENEALO** **10/G/05**
Tributary of : Avonmore OS Catchment No: 171
OS Grid Ref. : T 142 957 Date(s) Surveyed : 26 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Ford u/s Upper Lake	4-5	4	5	5
0200 Br d/s Upper Lake	3	3/0	3/0	3/0
0400 Just u/s Avonmore R	4	3-4	4	4

Assessment: The Glenealo river was in a mostly satisfactory condition again in 2000 but the reach immediately below Glendalough Lough Upper (0200) continued to be adversely affected by acidic waters from the lake. There is strong evidence to show that forestry is primarily responsible for this acidification problem. (Bowman., J. 1991).

River and Code : **GLENMACNASS** **10/G/03**
Tributary of : Avonmore OS Catchment No: 171
OS Grid Ref. : T 144 964 Date(s) Surveyed : 25 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Ford SE of Mall Hill	4-5	4	5	4
0500 Laragh Br	4-5	4	4-5	4-5

Assessment: Siltation and eutrophication from forestry activities is suspected as the most likely cause of the reduced quality of the upper Glenmacnass River (0200). Conditions remained satisfactory there, however, and also downstream at Laragh (0500) although subsequent reports of sewage pollution of the lowermost reaches remain to be fully investigated.

River and Code : **GOLD MINE** **10/G/04**
Tributary of : Aughrim OS Catchment No: 171
OS Grid Ref. : T 190 770 Date(s) Surveyed : 13 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
Clonwilliam Branch¹				
0050 Agric. Br u/s confl with Main Chan.	-	-	-	3
Main Channel				
0290 u/s Clonwilliam Branch	-	-	-	4-5
0500 Br u/s Aughrim R confl	5	4-5	4-5	3

Assessment: Because the location normally sampled (0500) was moderately polluted in July 2000 the survey was extended upstream where a polluted tributary (0050) was found. Agriculture suspected. The Main River was satisfactory upstream of this tributary (0290).

¹Clonwilliam Branch does not appear on the OS rivers Catchment Map.

River and Code : **KILL OF THE GRANGE STREAM** **10/K/02**
Tributary of : Sea - at Killiney OS Catchment No: x1
OS Grid Ref. : O 237 260 Date(s) Surveyed : 28 June 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1990	1991	1994	1997	2000
0100 Nr Kill Lane National Sch.	2	1	1-2	1-2	2-3
0280 Br on Johnstown Rd	2	1	2-3	3	3
0500 Killiney Hill Rd Br	2	2	2-3	3	3

Assessment: Although considerably improved in its upper reaches (0100) since 1997 the stream was assessed as moderately polluted at each of the three locations surveyed in late June 2000. Hypertrophic conditions were indicated by a DO of 174% at Johnstown Road (0280) at that time.

River and Code : **KILMACANOGE** **10/K/03**
Tributary of : Dargle OS Catchment No: 169
OS Grid Ref. : O 248 174 Date(s) Surveyed : 10 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br in Kilmacanoge	3	3	3/0	3
0600 Br nr Kilbride Church	3	3	3	3

Assessment: Remains considerably polluted. Unsatisfactory.

River and Code : **NEWCASTLE (WICKLOW)** **10/N/01**
Tributary of : Sea - near Six Mile Point OS Catchment No: y1
OS Grid Ref. : O 317 032 Date(s) Surveyed : 10 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br S of Bloomfield	4	3-4	1/0	4
0600 0.5 km d/s Newcastle Br	3	3	3	3-4

Assessment: The Newcastle river was in a much improved condition when examined in July 2000. Toxic effects were no longer evident upstream of the village (0400) where satisfactory conditions were restored and the sewage pollution had considerably abated downstream (0600).

River and Code : **NEWTOWNMOUNTKENNEDY** **10/N/02**
Tributary of : Sea - S. of Kilcoole OS Catchment No: y1
OS Grid Ref. : O 315 064 Date(s) Surveyed : 10 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br nr Hermitage	5	4-5	4-5	4-5
0500 Br nr Kilmullin	2-3	2-3	3	3
0600 Br S of Ballyphilip	4	3	3-4	3

Assessment: Continuing satisfactory upstream of Newtown (0100) but again considerably polluted by suspected sewage discharges below the town (0500, 0600). Has deteriorated slightly at the lowermost location since 1997.

River and Code : **OW** **10/O/01**
Tributary of : Aghrim OS Catchment No: 171
OS Grid Ref. : T 118 7 Date(s) Surveyed : 27, 28 July 2000.

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br near Aghavannagh Bks.	5	4	4	4
0300	Ballymanus Br	5	4-5	5	4
0400	Roddenagh Br	5	5	5	4

Assessment: Reduced biological diversity but remains satisfactory for now. Forestry in upper reaches.

River and Code : **POTTER'S** **10/P/01**
Tributary of : Sea - at Brittas Bay OS Catchment No: 173
OS Grid Ref. : T 319 847 Date(s) Surveyed : 12 July 2000.

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0300	Kilboy Br	-	4	4	4
0500	Castletimon Br	4	3	4	4

Assessment: Continuing satisfactory despite considerable siltation in the upper reaches (0300).

River and Code : **REDCROSS** **10/R/01**
Tributary of : Sea - N. of Arklow OS Catchment No: 174
OS Grid Ref. : T 279 785 Date(s) Surveyed : 12 July 2000.

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br in Redcross	1	3	3	4
0300	Kilpatrick Br	4-5	4	4	4

Assessment: Following a marked improvement in its upper reaches (0100) the Redcross stream was satisfactory at both locations surveyed in July 2000.

River and Code : **SHANGANAGH** **10/S/01**
Tributary of : Sea - at Killiney Bay OS Catchment No: x1
OS Grid Ref. : O 261 236 Date(s) Surveyed : 28, 29 June 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
<i>Carrickmines Branch</i>				
0200 Br at Friarsland	3	3	3	3
0400 Br at Loughlinstown	2-3	3	3	3
<i>Main Channel</i>				
0440 Enniskerry Rd Br	-	-	-	3-4
0450 Br N of Ballycorus Lead Wks.	3	4	-	-
0460 Br SSW of Carns (Heron Ford Lane)	-	-	4	3
0600 At Commons Road	3	3	4	3-4

Assessment: The Carrickmines Branch of the Shanganagh River was again moderately polluted at both points examined as was the Main Channel at Heron's Ford Lane (0440) where a marked deterioration had taken place since 1997. The stream was examined for the first time at Kiltiernan Bridge (0440) where it was found to have been slightly polluted as it was also at Commons Road (0600) in the lower reaches. In summary - unsatisfactory everywhere surveyed.

River and Code : **TEMPLERAINY STREAM** **10/T/04**
Tributary of : Sea - N. of Arklow OS Catchment No: c2
OS Grid Ref. : T 261 748 Date(s) Surveyed : 13 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Templerainy Br	4	3	3	3*
0500 Porter's Br	3-4	3	3-4	3-4*

Assessment: As in 1997 the Templerainy Stream was adversely affected by heavy bottom siltation at both locations surveyed in July 2000.

* Silt

River and Code : **THREE MILE WATER** **10/T/01**
Tributary of : Sea - S. of Wicklow OS Catchment No: 172
OS Grid Ref. : T 325 874 Date(s) Surveyed : 12 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br SW of The Beehive	3-4	3-4	3	3*
0300 Br S of Ballintekin X rds.	-	-	-	4
0500 Br nr Magherabeg	3	3	4	3-4

Assessment: Biological diversity was severely restricted by heavy bottom siltation in the shallow upper reaches (0200) but satisfactory conditions were soon restored at the newly surveyed Station 0300 some 1.7 kilometres downstream. The lower reaches (0500) appeared to be in the process of recovering from a pollution incident and had not yet achieved a fully satisfactory quality status.

*Silt

River and Code : **VARTRY** **10/V/01**
Tributary of : Broad Lough OS Catchment No: 170
OS Grid Ref. : T 321 942 Date(s) Surveyed : 10 July 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1974	1978	1982	1986	1990	1994	1997	2000
0050 Ballinastoe Br	-	-	-	-	5	5	4-5	5	4-5
0100 Annagolan Br	-	-	5	4-5	5	4-5	4	4	4-5
0150 Nun's Cross Br	-	-	-	-	-	-	5	5	4-5
0300 Newrath Br	5	4	5	4-5	5	4	4-5	4	3-4

Assessment: The Vartry River continued to be in a mostly satisfactory quality condition but the lowermost reaches had become distinctly over-enriched and quite dirty at the time of this survey in July 2000.

HYDROMETRIC AREA No. 14

Barrow

Aghalona	14A02	Glenlahan	14G02
Athy Stream	14A06	Gowran	14G03
Aughavaud	14A04	Graney (Lerr)	14G07
Aughnabrisky	14A05	Grangecon Stream	14G06
Aughnacrew	14A07	* Greese	14G04
Ballynaboley Stream	14B08	Lerr	14L01
Barrow	14B01	Levitstown Stream	14L02
Black (Borris)	14B06	 	
Blackwater (Laois)	14B03	Monefelim	14M03
Bothoge	14B04	Mountain (Carlow)	14M01
Burren	14B05	 	
 		Old Leighlin Stream	14O01
Cloncumber Stream	14C17	Owenass	14O01
Crooked (Stradbally)	14C02	 	
Cushina	14C04	Palatine Stream	14P04
 		Pollmounty	14P03
* Daingean	14D06	Powerstown	14P02
Douglas (Laois)	14D03	 	
Duiske	14D04	Rosenallis Stream	14R01
Dunrally Stream	14D05	 	
 		Slate	14S01
Enaghan Stream	14E02	Stradbally	14S02
Esker Stream	14E01	 	
 		* Triogue	14T01
* Figile	14F01	* Tully Stream	14T02
Fuer	14F02		
Fushoge	14F03		

*Having seriously polluted stretch(es)

River and Code : **AGHALONA** **14/A/02**
Tributary of : Burren OS Catchment No: 183
OS Grid Ref : S 793 730 Date(s) Surveyed : 24 October 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1980	1982	1985	1989	1993	1997	2000
0100 Friarstown Br	2	3	3	3	3	3	3
0150 Br NE of Grangeford	-	-	-	3-4	3-4	3	3-4
0200 Br nr Moatalusha House (60m u/s)	4	3-4	4	4	3	3	3-4

Assessment: Continuing unsatisfactory. Agriculture suspected. A slight improvement was recorded at the lower two locations (0150, 0200) surveyed in late October 2000; this is attributed to the considerable rainfall in the preceding four weeks.

River and Code : **ATHY STREAM** **14/A/06**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 682 942 Date(s) Surveyed : 8 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0200 Inch Br nr Glenbaun	3-4	3-4	3	3-4
0300 Barkersford Br	3	3	-	-
0400 1st Br d/s Barkersford Br	-	-	3-4	3-4
0600 Br just u/s Barrow R	4	4	-	-

Assessment: The Athy Stream was heavily silted and overgrown in its upper reaches (0200) and heavily calcified in its lower reaches and, although somewhat improved at 0200 since 1997, the stream was obviously over-enriched at both locations surveyed in late August 2000. Agriculture suspected.

River and Code : **AUGHAVAUD** **14/A/04**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 730 378 Date(s) Surveyed : 18 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0400	Turra Br	3-4	4	3-4	4
0600	Br at St Mullins	4	4	4	4

Assessment: Following improvement at Turra Br (0400) since the previous survey both locations were satisfactory.

River and Code : **AUGHNABRISKY** **14/A/05**
Tributary of : Mountain (Carlow) OS Catchment No: 183
OS Grid Ref : S 782 511 Date(s) Surveyed : 18 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0200	Scullogue Br	4	4	3-4	4
0500	Br just u/s Mountain R confl	4	4-5	4-5	4

Assessment: Both locations were satisfactory following improvement in the upper reaches (0200) since 1997.

River and Code : **AUGHNACREW** **14/A/07**
Tributary of : Pollmounty OS Catchment No: 183
OS Grid Ref : S 767 334 Date(s) Surveyed : 17 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0300	Ballinvegga Br	3-4	3-4	3-4	3-4
0500	Br just u/s Pollmounty R confl	3-4	3-4	3-4	4

Assessment: Following improvement since the previous survey the lower reaches (0500) were satisfactory with no change recorded in the upper reaches (0300) where continuing slightly polluted.

River and Code : **BALLYNABOLEY STREAM** **14/B/08**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 703 678 Date(s) Surveyed : 22 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0700	Orchard Br	4	3-4	3	3-4

Assessment: Continuing unsatisfactory despite some amelioration in eutrophic conditions since previous survey.

River and Code : **BARROW** **14/B/01**
 Tributary of : Barrow/Nore/Suir Estuary OS Catchment No: 183
 OS Grid Ref : S 722 388 Date(s) Surveyed : 8 to 11 August 2000

Station No.	Biological Quality Ratings (Q Values)												
	1971	1974	1975	1976	1978	1979	1980	1982	1986	1989	1994	1997	2000
0050	-	-	-	-	-	-	5	5	5	5	5	4-5	4-5
0100	-	-	-	-	-	-	3-4	4-5	4	3	3-4	4	4
0200	4	4	-	-	-	-	4	4	4	3-4	3-4	4	4
0300	4-5	3-4	-	-	-	-	5	-	4	4	4	3-4	4
0500	3-4	3-4	-	3	3-4	-	4	-	4	4	3-4	3-4	3-4
0600	4	3-4	-	4	3-4	-	4	-	4	4	4	4	3-4
0700	4	4	-	-	4	-	4	4	4-5	4-5	4	4	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
1000	4-5	4-5	-	4-5	-	-	4	-	4-5	4	4	3-4	3-4
1200	4-5	4-5	-	-	-	-	5	-	4	3	3	-	-
1300	-	-	-	-	-	-	4	-	4-5	3-4	4	-	3-4
1400	5	5	-	-	-	-	4	-	4	4	4	4	4
1500	-	-	-	-	-	-	4	4	4	4	4	3-4	3-4
1590	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4
1600	1-2	3	-	1-2	1-2	-	3	3-4	4	3-4	3-4	-	-
1900	1	2	-	2-3	2	-	4	4	4	4	4	3-4	4
2000	1-2	2	-	-	2	-	3	3-4	3-4	3	4	3-4	4
2200	-	-	-	-	-	-	-	-	-	-	-	-	3
2400	2	2	-	2	2	-	-	2	1	-	-	-	-
2450	-	-	-	-	-	-	-	-	3	3-4	4	3	3
2600	3	-	3	-	3-4	2	-	3-4	3	3	3-4	3-4	3
2680	-	-	-	-	-	-	-	-	-	-	-	3-4	3-4
2700	4	-	-	4	4	4	-	3	3-4	3-4	3	3	-
2750	-	-	-	-	-	-	-	-	-	-	-	4	4
2900	4	-	-	4	-	-	3-4	3	2-3	2-3	2-3	3	3-4
2910	4	-	-	4	-	-	3-4	-	-	3-4	3-4	4	4
3000	-	-	-	-	-	-	-	4	4	3-4	3-4	3-4	4
3400	4	-	-	5	-	-	4	5	4	4	4	3-4	4
3500	4	-	-	3-4	-	-	4	4	4	4	3-4	3-4	3-4

Sampling Station
 No. Location
 0050 Tinnahinch Br
 0100 Ford S of Rearyvalley
 0200 Ballyclare Br
 0300 Twomile Br
 0500 Barranagh's Br
 0600 Br S of Garryhinch House
 0700 Kilnahown Br

Sampling Station
 No. Location
 0760 Portarlinton: Upper Br
 0800 1km d/s Portarlinton
 0850 D/s Portarlinton STW (RHS)
 0900 Ford S of Trascaan
 1000 Pass Br
 1200 1km d/s Monasterevan Br
 1300 Ford E of Fisherstown House

Continued

BARROW *Continued*

1400	Dunrally Br	2600	Milford Br
1500	Bert Br	2680	Cardinal Moran Br
1590	0.4 km u/s Athy Br (LHS)	2700	Leighlinbridge
1600	Athy Br	2750	At Island nr Killinane Ho
1900	Tankardstown Br	2900	Royal Oak Br (LHS)
2000	Maganey Br	2910	Royal Oak Br (RHS)
2200	New Br 1 km u/s Graigue Br	3000	Fenniscourt Lock
2400	1.5km d/s Graigue Br	3400	Clashganny Lock
2450	2.5 km d/s Graigue Br Carlow	3500	Graiguenamanagh Br

Assessment: *Assessment:* Some minor quality changes were recorded in 2000 but, as in 1997, eutrophication was again widespread in the Barrow and this was particularly intense

- below the Triogue river (0600), seriously polluted by sewage from Portlaoiseb),
- below Portarlinton (0900, 1000) and
- from below Monasterevan (1300) to Athy (1590).

The reach from Rearyvalley to the Owenass confluence (0100 to 0400) was obviously enriched but the level of enrichment was considered acceptable because of the presence of several sensitive species. However, this reach is considered to be at risk from suspected diffuse agricultural pollution. The deterioration below the Owenass confluence (at 0500) is considered to be partly due to the Mountmellick sewage discharge and partly to the enrichment of the upper river by diffuse agricultural inputs which reduce the assimilative capacity of the river. Sewage fungus was observed below the beet factory in Carlow (2200) in late October and by the year's end the growths had reached Bagenalstown some 20 km downstream (M.Neill pers. comm.).

In the lower Barrow, i.e. from just downstream of Carlow (2450) to Graiguenamanagh (3500), the overall biological quality was similar to the previous survey except that there was some deterioration at one location (2910) and improvement at another (3000). At the time of the survey, in late August, the eutrophic conditions in this section of the river could be clearly seen in the large biomass of submerged filamentous algae and a bloom of floating water fern (*Azolla sp.*).

River and Code : **BLACK (BORRIS)** **14/B/06**
Tributary of : Mountain (Carlow) OS Catchment No: 183
OS Grid Ref : S 728 480 Date(s) Surveyed : 19 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1989	1993	1997	2000	
0300	Aghline Br	3	3-4	-	-
0700	2nd Br u/s Dunroe Br	-	-	4-5	4
0900	Dunroe Br	4	4	-	-
1000	1st Br d/s Dunroe Br	-	-	4-5	4
1300	Kilcloney Br	4	4	-	-
1380	1.2 km u/s Br in Borris	-	-	4-5	4-5
1400	Br in Borris	4	4	-	-

Assessment: Satisfactory. No significant change.

River and Code : **BLACKWATER (LAOIS)** **14/B/03**
Tributary of : Owenass OS Catchment No: 183
OS Grid Ref : N 433 057 Date(s) Surveyed : 9 August 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0400	Br SE of Camcloon	-	-	3-4	-
0500	Br SW of Clonygowan	3-4	3-4	-	-
0800	Br nr Clontyglass	-	-	-	4-5
0900	SW of Clonsoghey	3	3-4	4	-
1000	Blackwater Br	3-4	3-4	3-4	3-4

Assessment: Mostly satisfactory but lower reaches adversely affected by cattle manure.

River and Code : **BOTHOGHE** **14/B/04**
Tributary of : Greese OS Catchment No: 183
OS Grid Ref : S 794 936 Date(s) Surveyed : 30 August 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Rathtoole Br	3	3	3/0	3
0300	Br to S of Timolin	3/0	3-4	3/0	3-4

Assessment: The Bothoghe river was totally overgrown with emergent macrophytes (weeds) at both locations surveyed in late August 2000; it was assessed as moderately polluted at Rathtoole Bridge (0100) where DO was reduced to 65% and just slightly polluted in its lower reaches (0300). There were no indications of the severe toxicity recorded at both locations in 1997, caused by suspected sheep-dip.

River and Code : **BURREN** **14/B/05**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 717 765 Date(s) Surveyed : 24, 25 October 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1980	1984	1989	1993	1997	2000
0020 Burren Br Coolasnaghta	-	-	-	4-5	4-5	4-5	5
0060 Milltown Br	-	-	-	3	4	2-3	4
0100 Ullard Br	-	5	4	4	4	4	4
0200 Ballintrane Br	-	5	4	4-5	4	3-4	4
0300 Rathoe Br	-	4	4	4	4	3-4	4
0400 Br NW of Ballycrogue	4	4	4	4	3-4	3	4
0490 Shopping Centre Br Carlow	-	-	-	-	-	3	3
0500 Burren Br (RHS)	4	4	4	4	3-4	-	-

Assessment: Although obviously somewhat enriched at most points surveyed, the Burren River was in a satisfactory quality condition as far as Carlow town where it was distinctly polluted in late October 2000. Despite heavy siltation due to suspected water treatment plant discharges the uppermost location (0020) remained in a highly satisfactory condition for the present. A major improvement was recorded at Milltown Bridge (0060) where severe agricultural pollution was recorded in 1997.

River and Code : **CLONCUMBER STREAM** **14/C/17**
Tributary of : Slate OS Catchment No: 183
OS Grid Ref : N 723 233 Date(s) Surveyed : 4 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1993	1997	2000
0100 Br at Wheelam Crossroads	-	3	3*
0200 Old River Br (W)	3-4	3-4	3*

Assessment: Excessively luxuriant filamentous algal and macrophyte (weed) growths in the lower reaches (0200) and the complete absence of sensitive macroinvertebrates at both locations indicated unsatisfactory quality conditions in this stream in 2000 as in 1997. Inflows of low DO groundwaters are suspected but organic pollution cannot be ruled out.

*Possible groundwater effects.

River and Code : **CROOKED (STRADBALLY)** **14/C/02**
Tributary of : Stradbally (Laois) OS Catchment No: 183
OS Grid Ref : S 569 957 Date(s) Surveyed : 28 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0200 Br W of Luggacurren	4	4-5	4	3-4
0600 Br W of Ballinteskinn	4	4	3-4	3
0800 2nd Br u/s Stradbally R confl	-	-	3-4	3-4
0900 1st Br u/s Stradbally R confl	4	3-4	-	-

Assessment: Following further deterioration in its upper reaches (0200) and at Timoge Bridge (0600) the Crooked river was in an unsatisfactory condition at each of the three locations surveyed in August 2000. Agriculture suspected. A large farmyard cesspit and a sheep-dip installation is inappropriately located close to the river bank at Timoge Bridge: the river there was very weedy and very heavily silted.

River and Code : **CUSHINA** **14/C/04**
Tributary of : Figile OS Catchment No: 183
OS Grid Ref : N 607 157 Date(s) Surveyed : 8 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1980	1985	1989	1993	1997	2000
0050 Br NE of Clonygowan	-	-	3-4	3-4	3	3-4
0080 Br E of Monavane House	-	-	3-4	3-4	3	4-5
0100 Cushina Br	4	4	4-5	4-5	3-4	4

Assessment: Although remaining generally weedy and silted, the Cushina River was in a somewhat better condition in August 2000 than previously. A marked improvement was recorded in the middle reaches (0080) where conditions were assessed as satisfactory for the first time since surveys began in 1989 and, although somewhat improved also, the upper reaches (0050) had not yet reached a satisfactory status because of excessive weed growth and contamination by cattle manure. In the lower reaches (0100) the virtual absence of sensitive species, present in 1993, indicated a continuation of the pollution first recorded here in 1997.

River and Code : **DAINGEAN** **14/D/06**
Tributary of : Figile OS Catchment No: 183
OS Grid Ref : N 605 238 Date(s) Surveyed : 3 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1981	1984	1986	1989	1990	1993	1997	2000
0100 Island Br	3-4	3-4	3-4	2-3	-	3	3	2-3
0200 Br d/s Island Br	3	3	3	2	2	2-3	2-3	2
0400 Br E of Mount Lucas House	1	2	3	2/0	2	3-4	3	3
0520 Nr Esker Br	-	-	3-4	3	-	3	3-4	3
0600 1 km u/s Figile R confl	-	3	3-4	-	-	-	-	4

Assessment: Following further slight deterioration at several locations (0100, 0200, 0520) the Daingean River was in a generally unsatisfactory condition in early August 2000. The absence of all mayfly nymphs and caddis larvae and the preponderance of the water hog-louse *Asellus* indicated considerable pollution of unknown origin upstream of Daingean (0100) while downstream (0200), the river was seriously polluted by suspected sewage discharges. The river was totally overgrown at Mount Lucas (0400) and Esker Bridge (0520) indicating considerable eutrophication, but the absence of all mayfly species indicated more pronounced pollution effects at the latter point. By contrast, the insect life in the muddy, sluggish lower reaches (0600) indicated satisfactory quality conditions.

River and Code : **DOUGLAS (LAOIS)** **14/D/03**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 714 825 Date(s) Surveyed : 1 September 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1980	1984	1989	1993	1997	2000
0050 Wandesford Br	-	5	4-5	4-5	4	-	-
0080 Br d/s Wandesford Br	-	-	-	-	-	4-5	3-4
0100 Gale's Br	-	4	4	4	4-5	4-5	4
0200 Br d/s Gale's Br (Coolanagh)	-	4	3	3-4	3-4	3-4	3-4
0300 Grange Br	4	3	3	3-4	3	4	3

Assessment: As indicated by the phenomenal algal growths (DO 173% at St. 0080) at Station 0100, the upper reaches of the Douglas River were in a highly eutrophic condition in late August 2000: this represents a significant deterioration since 1997 and an equally marked deterioration was recorded in the lower reaches (0300) where the river was assessed as moderately polluted. The middle reaches were in a similar condition to that recorded in 1997 i.e., satisfactory at Gale's Bridge (0100), weedy, dirty and eutrophic at Coolanagh (0200). Overall condition mostly unsatisfactory and deteriorating.

River and Code : **DUISKE** **14/D/04**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 708 437 Date(s) Surveyed : 24 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)						
		1980	1982	1985	1989	1993	1997	2000
0100	Aghclare Br	4	4	3-4	3-4	4	4	4
0200	Br in Graiguenamanagh	2	3	3	3-4	4	3	3

Assessment: Continuing satisfactory at Aghclare Bridge (0100) and moderately polluted in Graiguenamanagh (0200).

River and Code : **DUNRALLY STREAM** **14/D/05**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 634 023 Date(s) Surveyed : 28 August 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Br WNW of Garrymaddock	-	-	3-4	3-4
0200	Br NNE of Rossmore Crossroads	4	3	4	3-4
0400	Br u/s Barrow R confl	3-4	4	3-4	3-4

Assessment: Generally reduced faunal diversity with few sensitive species combined with excessive weed/algae growths and/or heavy bottom siltation indicated unsatisfactory quality conditions throughout the Dunrally Stream in late August 2000. Agriculture suspected.

River and Code : **ENAGHAN STREAM** **14/E/02**
Tributary of : Coolnagillagh Stream OS Catchment No: 183
OS Grid Ref : N 531 168 Date(s) Surveyed : 8 August 2000.

Sampling Stations No. Location		Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
<i>Distributary¹</i>					
0100	(East) Br W of Garrymona	-	-	-	3*
<i>Main Channel</i>					
0300	Br u/s Coolnagillagh Str confl	4-5	4	4	4

Assessment: Main Channel continuing satisfactory where surveyed despite considerable peat siltation but newly surveyed distributary (0100) very considerably adversely affected by peat silt.

*Peat silt

River and Code : **ESKER STREAM** **14/E/01**
Tributary of : Daingean OS Catchment No: 183
OS Grid Ref : N 558 271 Date(s) Surveyed : 3 August 2000.

Sampling Stations No. Location		Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Newtown Br	3	3-4	4	4-5
0200	Esker Br	3	4	4-5	4

Assessment: Continuing satisfactory. Moderate to abundant growths of rooted weed and the floating duckweed (*Lemna minor*) indicate increasing eutrophication in the lower reaches (0200).

¹ Not shown on OS Catchment Map. Not a baseline river.

River and Code : **FIGILE** **14/F/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 618 114 Date(s) Surveyed : 1 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1975	1976	1979	1986	1989	1993	1997	2000
0050 Br S of Ticknevin Br	-	-	-	-	2	2	1/0	1-2
0100 Cushaling Br	-	-	-	3-4	3-4	3-4	2	3
0200 Kilcumber Br	-	-	-	3-4	3	3-4	3	3-4
0300 Br in Clonbulloge	3-4	4	4	4	4	-	3-4	4-5
0400 Derrygarran Br	-	-	-	4	4	4	3-4	3-4
0500 Ardra Br	-	4	5	4	4	4	3-4	4

Assessment: Water quality improvements were recorded at five of the six locations surveyed on the Figile River in August 2000. The most striking of these were at Cushaling Bridge (0100) where serious pollution effects were no longer evident and in Clonbulloge (0300) where fully satisfactory conditions were restored. Some minor improvements were apparent at Kilcumber and Ardra Bridges (0200, 0500), satisfactory conditions returning to the latter but, as on each occasion surveyed since 1989, serious pollution due to a suspected sewage discharge was again recorded in the Ticknevin area (0050). Measures to redress this situation are considered to be overdue.

River and Code : **FUER** **14/F/02**
Tributary of : Douglas (Laois) OS Catchment No: 183
OS Grid Ref : S 657 859 Date(s) Surveyed : 31 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0400 Br u/s Douglas R confl	2-3	3	3-4	-

Assessment: Due to stagnant conditions the Fuer River was considered unsuitable for biological survey in August 2000.

River and Code : **FUSHOGE** **14/F/03**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 696 736 Date(s) Surveyed : 18 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1980	1986	1989	1993	1997	2000
0050 Br NE of Strand House	-	-	-	-	-	4	4-5
0100 1 km SE of Ballickmoyler	-	-	-	4	4	-	-
0200 Curragh Br	-	4	4	4	4	-	-
0220 Ballykillen Br	-	-	-	-	-	3-4	3-4
0250 Br S of Crockaun	-	-	-	4-5	3-4	-	-
0300 Br u/s Barrow R confl	4	4	4	4	4	3-4	3

Assessment: Continuing mostly unsatisfactory with further deterioration, to moderately polluted conditions, recorded at the lowermost location (0300).

River and Code : **GLENLAHAN** **14/G/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 347 110 Date(s) Surveyed : 8 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0300 Clarahill Br	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **GOWRAN** **14/G/03**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 682 540 Date(s) Surveyed : 21 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1976	1980	1985	1989	1990	1993	1997	2000
0020	Br E of Freneystown	-	-	-	2-3	-	4	4-5	3
0050	Br S of Blanchvillespark	-	5	3	2-3	-	3-4	4	4
0100	Br at W side of Gowran	-	-	-	4	-	4	3	3
0200	Goat's Br	4	4	4	4	-	3	-	-
0220	1st Br d/s Goat's Br	-	-	-	-	-	-	3	4
0300	Br N of Goresbridge (S Channel)	-	-	-	4	-	4	3	3
0400	Br at Red Mill (N Channel)	-	-	3-4	2	2-3	3	3	3

Assessment: Mostly unsatisfactory following significant deterioration in the upper reaches (0020) and despite amelioration to satisfactory conditions downstream of Gowran (0220). Unchanged elsewhere since previous survey.

River and Code : **GRANEY (LERR)** **14/G/07**
Tributary of : Lerr OS Catchment No: 183
OS Grid Ref : S 784 850 Date(s) Surveyed : 31 August 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Miller's Br	3	3	3	3
0200	Br in Graney	3	4	3-4	3
0310	Just u/s Lerr R confl	4	4	4	3

Assessment: Following further deterioration at Graney (0100 - where Dissolved Oxygen was reduced to just 36%) and in the lowermost reaches (0310) the Graney River was assessed as moderately polluted at each of the three locations surveyed in late August 2000. This represents a marked deterioration since 1997.

River and Code : **GRANGECON STREAM** **14/G/06**
Tributary of : Greese OS Catchment No: 183
OS Grid Ref : S 833 978 Date(s) Surveyed : 29 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0100 Ardsillish Br	4-5	4	4	3-4
0400 Br SE of Ballynure	4	4	4	-

Assessment: The stream was completely overgrown with emergent water weed (*Apium* sp.) at Ardsillish Bridge (0100), a clear indication of considerable nutrient over-enrichment. The course may have been re-routed since 1997 as there was no trace of it at Station 0400 in late August 2000.

River and Code : **GREESE** **14/G/04**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 712 830 Date(s) Surveyed : 29, 30 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1980	1985	1989	1993	1997	2000
0040 N Br Naas Rd Dunlavin	-	-	3-4	4	3-4	-
0050 Br NE of Milltown	-	-	-	-	-	3
0070 Br NW of Cross Keys	-	-	1	2-3	2	2
0100 Spratstown Br	4	4	4	4	3-4	3
0200 Br nr Greese Bank	4	3-4	3	3-4	3	3
0350 Br NE of Belan House	4	3-4	3-4	4	3-4	3
0400 Kilkea Br	4	3	3-4	4	3-4	3-4
0500 Br W of Castleroe Crossroads	4	4	4	3-4	3-4	3
0600 Br u/s Barrow R confl	4	3-4	4	3-4	3-4	3-4

Assessment: As in 1997 the Greese River was again seriously polluted by suspected sewage and industrial discharges in the Dunlavin area (0070) and it was in a highly eutrophic condition at each of the other seven locations surveyed in late August 2000. To illustrate its seriously polluted/eutrophic status Dissolved Oxygen (DO) values recorded at the above locations at the time of this survey were respectively as follows:- 26%, 46%, 49%, 103%, 133%, 149%, 133% and 137%. Further deterioration was recorded at three locations since 1997; these are 0100, 0350 and 0500. The river is in an unsatisfactory quality condition and deteriorating.

River and Code : **LERR** **14/L/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 714 815 Date(s) Surveyed : 31 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1980	1985	1989	1993	1997	2000
0080 E Br Castledermot	-	-	-	-	-	3-4	3
0100 Br S of Castledermot	-	4	4	4	4	-	-
0150 Br E of Woodlands House	-	-	-	3	3	3	-
0155 Agric Br S of Woodlands House	-	-	-	-	-	-	3
0200 Br W of Prumplestown House	-	4	4	3-4	3	-	-
0250 Ballaghmoon Br	-	-	-	3-4	3-4	3-4	3
0300 Lerr Br	4-5	4	4	4	3-4	3-4	3

Assessment: Following further widespread deterioration, the Lerr was moderately polluted at each of the four locations surveyed in late August 2000. The river was heavily silted and totally overgrown above Castledermot (0080) where DO was reduced to just 56% of saturation while at each of the three locations below the town the unsatisfactory condition of the river was indicated by excessively luxuriant weed and/or filamentous growths and by unbalanced faunal communities lacking sensitive macroinvertebrate species. These highly eutrophic conditions were reflected by DO values ranging from 121% (at Station 0155) to 160% (at 0300). Agriculture and sewage suspected.

River and Code : **LEVITSTOWN STREAM** **14/L/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 710 865 Date(s) Surveyed : 30 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Br W of Duke Street	3-4	-	3-4	3-4

Assessment: Very weedy with heavy substratum calcification. Eutrophic. No change.

River and Code : **MONEFELIM** **14/M/03**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 685 555 Date(s) Surveyed : 25 October 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Castlewarren Br	4	4	5	4-5
0300	Br SE of Ballyvalden (100m d/s)	-	-	5	4-5
0600	Br SW of Garryduff Crossroads	4	4	-	-
0800	Br d/s Monefelim Br	-	-	3	4
0900	Br NE of Castlekelly Crossroads	4	3-4	-	-
1000	Br u/s Barrow R confl (d/s side)	4	4	3	4

Assessment: Following marked improvement at two locations (0800, 1000) the Monefelim River was in a satisfactory quality condition at all points surveyed in late October 2000.

River and Code : **MOUNTAIN (CARLOW)** **14/M/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 733 499 Date(s) Surveyed : 18 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1984	1989	1993	1997	2000
0020	Br u/s Killedmond Br	-	-	4	4	4	4
0050	Br W of Killedmond	-	4-5	4-5	4-5	4-5	4
0070	Brook Lodge	-	-	4-5	4-5	5	4
0100	Ballycoppigan Br	5	4-5	4-5	4-5	-	-
0200	Just u/s Barrow R confl	5	4	3-4	4	4-5	4

Assessment: Continuing satisfactory.

River and Code : **OLD LEIGHLIN STREAM** **14/O/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 690 647 Date(s) Surveyed : 22 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
<i>Parknakyle Branch</i>					
0300	Br u/s Main Channel confl	2-3	3-4	4	3-4
<i>Main Channel</i>					
0400	Br in Old Leighlin	-	-	-	4
0500	Br at E side of Old Leighlin	-	-	4-5	-
0700	Br u/s Barrow R confl	4	3	4	3-4

Assessment: Deterioration to eutrophic conditions at the location on the Parknakyle Branch (0300) and the final location on the Main Channel (0700) since the previous survey.

River and Code : **OWENASS** **14/O/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 460 092 Date(s) Surveyed : 9 August 2000.

Stations No.							Biological Quality Ratings (Q Values)				
	1971	1974	1976	1978	1980	1984	1986	1989	1993	1997	2000
0050	-	-	-	-	5	-	-	4-5	4-5	4-5	4-5
0100	5	5	5	5	5	4-5	4-5	4	4	-	-
0120	-	-	-	-	-	-	-	-	-	5	5
0200	5	4-5	4-5	4-5	4	4	4	4	3-4	-	-
0220	-	-	-	-	-	-	-	3-4	3-4	4	3-4
0300	2	2	1-2	1-2	3	2	3-4	3-4	3-4	3-4	3-4

Sampling Station		Sampling Station	
No.	Location	No.	Location
0050	Cathole Br	0200	Owenass Br
0100	Br W of Barkmill	0220	Br N of Irishtown Ho
0120	Fords N of Barkmill	0300	1.7 km d/s Mountmellick

Assessment: Water quality continued to be of a high standard upstream of Mountmellick (0050, 0120) in August 2000 but eutrophication caused by suspected sewage inputs was again apparent below the town (0220, 0300).

River and Code : **PALATINE STREAM** **14/P/04**
Tributary of : Lerr OS Catchment No: 183
OS Grid Ref : S 751 819 Date(s) Surveyed : 31 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0200 Gorteen Br	3	3	4	3

Assessment: The improvement recorded in 1997 has not been maintained and the stream has reverted to its former (1989, 1993) polluted condition. Agriculture suspected.

River and Code : **POLLMOUNTY** **14/P/03**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 737 352 Date(s) Surveyed : 17 July 2000

Sampling Stations No. Location	1980	Biological Quality Ratings (Q Values)				
		1984	1989	1993	1997	2000
0100 Br N of Ballywilliam	4	3-4	3-4	3-4	4	4
0200 750 m d/s Mill NW of Ballywilliam	4	4	4	4	4	4
0300 D/s Aughananagh R confl	4	4	2-3	3	3	3

Assessment: No change since previous survey with the final location (0300), which is approximately one kilometre upstream of the Barrow River confluence, again moderately polluted; a situation which has now pertained in all surveys since 1989. Slime growths ('sewage fungus') were recorded at that site along the right-hand-side of the river below a fish-farm outflow.

River and Code : **POWERSTOWN** **14/P/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 687 523 Date(s) Surveyed : 24/08/00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0200 Br E of Powerstown	4	3-4	3-4	3-4
0400 Br u/s Barrow R confl	4	4	3-4	3-4

Assessment: Slight pollution again recorded at both locations.

River and Code : **ROSENALLIS STREAM** **14/R/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 422 119 Date(s) Surveyed : 9 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0100 Br at Mill, W. of Rosenallis	3-4	3-4	-	-
0400 Br u/s Barrow R confl	3	3-4	4	3-4

Assessment: Due to inaccessibility and lack of flow only the lowermost location could be sampled in 2000 and conditions there reflected less than satisfactory water quality. Algal growths were excessive, the stream was heavily silted and sensitive macroinvertebrates were virtually absent. Sewage suspected.

River and Code : **SLATE** **14/S/01**
Tributary of : Figile OS Catchment No: 183
OS Grid Ref : N 608 163 Date(s) Surveyed : 1, 4 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1976	1978	1980	1985	1989	1993	1997	2000
0020 Quigley's Br	-	-	-	-	2-3	2-3	3	2-3
0050 Ford Br	-	-	-	-	3	3	3	3
0100 Agar Br	4	5	4-5	3-4	3	3	3	3
0150 E Br Rathangan (Opp Church)	-	-	-	-	-	-	3-4	3-4
0200 100 m u/s Br nr Spencer Br	3-4	4	4	3-4	4	3-4	-	-
0210 100 m d/s Br nr Spencer Br	1	3	4	4	3	3	3-4	3-4
0300 River Br	3-4	4-5	4	3-4	4	4	-	4

Assessment: The quality profile of this river has changed little since the previous survey: the upper half continues to be significantly polluted by suspected sewage and domestic wastes and the lower half is mostly over-enriched.

River and Code : **STRADBALLY (LAOIS)** **14/S/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : S 630 994 Date(s) Surveyed : 28, 29 August 2000.

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1976	1980	1984	1989	1993	1997	2000
0030 Br NW of Ballintlea	-	-	-	-	-	4	4-5
0050 Br on Portlaoise Rd Timahoe	-	5	4	3-4	4	-	-
0100 Br nr Bauteoge	-	4	3-4	3-4	4	3-4	3-4
0300 Dowlings Br (in Brockley Park)	3-4	4	3-4	3	3	-	-
0350 Br WNW of Ballykilevan Ho	-	4	3-4	3-4	3-4	3	3-4
0400 Br nr Camac Aqueduct	-	4	3	4	4	3-4	3-4

Assessment: With the exception of the uppermost reaches (0030) which remained in a satisfactory condition, the Stradbally River again exhibited the signs of considerable eutrophication caused by suspected agriculture and sewage. DO values of 168% and 138% were recorded at Stations 0100 and 0400 respectively. Downstream of Stradbally (0350) the river had not fully recovered from the disturbance and siltation caused by recent dredging.

River and Code : **TRIOGUE** **14/T/01**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 472 096 Date(s) Surveyed : 10 August 2000.

Station No.	Biological Quality Ratings (Q Values)										
	1971	1974	1978	1980	1981	1984	1986	1989	1993	1997	2000
0060	-	-	-	-	-	-	-	3	3	3	3-4
0100	5	4	4-5	4	4	4	4-5	4	4	4	3-4
0200	1	1-2	1	1	1	2	2	2-3	3	2	2
0300	3	2-3	2-3	3-4	1-2	2	2-3	2-3	3	2	2-3
0400	-	-	-	-	-	-	-	3	3-4	3	3

Sampling Station		Sampling Station	
No.	Location	No.	Location
0060	Cush Br	0200	Kyle Br
0100	Br 1.6 km u/s Portlaoise	0300	Br near Eyne
		0400	Br u/s Barrow R confl

Assessment: Little changed since 1997 the Triogue River was assessed as slightly polluted upstream of Portlaoise and seriously polluted below the town (0200) where heavy deposits of sewage sludge were observed. The river had been dredged at Eyne (0300) but the signs of heavy pollution persisted there while further downstream (0400) the river was hypertrophic and very dirty.

River and Code : **TULLY STREAM** **14/T/02**
Tributary of : Barrow OS Catchment No: 183
OS Grid Ref : N 637 024 Date(s) Surveyed : 4 September 2000.

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1981	1986	1987	1988	1989	1990	1993	1997	2000
0100	Br nr Tully House	4	4	-	-	3-4	-	3	3	3
0200	500 m d/s Br near Tully Ho	2	2	2	2	2	2	2-3	2	2
0300	Kilberrin Br	4	2	2	2	3	-	3	2-3	2-3
0390	Soomeragh Br	-	-	-	-	-	-	-	-	2-3
0400	Br u/s Nurney	3-4	2-3	-	2-3	3	-	3	3	-
0500	Br W of Cherrymills Ho	4	3	-	-	3	-	3-4	3	3
0600	Cloney Br	-	4	-	-	3-4	-	4	3-4	4

Assessment: The lowermost reaches of the Tully Stream (0600) had improved somewhat since 1997 but elsewhere conditions were as unsatisfactory as before. This is illustrated by the DO profile recorded at the time of this investigation; percentage saturation values at the above listed locations were respectively:- 71%, 58%, 32%, 22%, 84% and 86%. Sewage and industrial discharges suspected.

HYDROMETRIC AREA No. 18
Blackwater (Munster)

Allow	18A02	Glenakeefe	18G06
Araglin	18A03	Glencorra Stream	18G05
Awbeg (Buttevant)	18A05	Glendine (Blackwater)	18G07
Awnaskirtaun	18A07	Glenlara	18G08
		Glennafallia	18G10
Ballard Stream	18B10	Glenshelane	18G11
Ballyclough Stream	18B08	Goish	18G12
Behanagh	18B01	Gradoge ¹	18G13
Blackwater (Munster)	18B02		
Bregoge	18B04	Knoppoge	18K02
Bride (Blackwater)	18B08		
Brogeen	18B06	Licky	18L01
		Lyre	18L02
Clyda	18C02		
Coom	18C03	Monavugga	18M01
Crinnaghtane	18C07		
Cullavaw Stream	18C04	Nad	18N01
Curraheen (Cork)	18C06		
		Ogeen	18O01
Dalua	18D01	Owbeg (Waterford)	18O02
Douglas (Araglin)	18D03	Owenageeragh	18O03
Douglas (Bride)	18D02	Owenanare	18O04
		Owenbaun (Rathcoole)	18O05
Farahy	18F01	Owenkeal	18O06
Farnane	18F06	Owennagloo	18O07
Finisk	18F02	Owennashad	18O08
Finnow (Blackwater)	18F03	Owentaraglin	18O09
Flesk (Bride)	18F04		
Funshion	18F05	Rathcool	18R01
		Ross (Killavullen)	18R02
Glashanabrack	18G02		
Glashawee (Allow)	18G03	Sheep	18S03
Glen (Banteer)	18G04		
Glenaboy	18G05	Tourig	18T03

*Having seriously polluted stretch(es)

¹Gradoge River is not shown on OS Rivers Catchment Map: is not a baseline river

River and Code : **ALLOW** 18/A/02
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 385 988 Date(s) Surveyed : 27, 28 July 2000

Station No.	Biological Quality Ratings (Q Values)										
	1971	1974	1975	1978	1980	1982	1986	1990	1994	1997	2000
0020	-	-	-	-	-	-	-	4-5	4-5	4-5	4-5
0100	5	-	5	5	5	-	4-5	4-5	4-5	4-5	4-5
0200	3-4	3-4	4	3	4	-	4	3	4	4	4
0300	4-5	3	4	3-4	4	4	4	4	4	4-5	4-5
0400	-	-	-	-	3-4	3-4	3-4	5	4-5	4-5	4-5
0490	-	-	-	-	-	3-4	3-4	3-4	3-4	3-4	3-4
0600	2	3	2-3	3-4	3-4	3-4	3-4	3-4	4-5	4	4

Sampling Station		Sampling Station	
No.	Location	No.	Location
0020	Br S of Langford's Lodge	0400	0.5km u/s Kanturk Br
0100	Raheen Br	0490	1.3km d/s Kanturk Br
0200	Allow Br, Freemount	0600	Leader's Br
0300	John's Br		

Assessment: Continuing satisfactory at all locations except downstream of Kanturk (0490) where again slightly polluted.

River and Code : **ARAGLIN (BLACKWATER)** 18/A/03
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : R 845 006 Date(s) Surveyed : 15, 16 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1971	1975	1979	1983	1990	1994	1997	2000
0080	Kingston Br	-	-	-	-	4-5	5	4-5	4-5
0200	Br at Araglin Cottage	-	-	5	5	4-5	5	4-5	4-5
0350	0.5km d/s Glenfinnish Br	-	-	-	-	-	4-5	4-5	4
0400	Araglin Br	5	5	5	5	-	-	-	-
0500	Br u/s Blackwater R confl	-	-	-	-	4	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **AWBEG (BUTTEVANT)** **18/A/05**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : R 693 001 Date(s) Surveyed : 26, 27 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1975	1979	1981	1985	1990	1994	1997	2000
East Branch									
0120 Br NNW of Ballyhaght	-	-	-	-	-	4	3	3-4	3-4
0160 Br NW of Pruntus	-	-	-	-	-	3-4	3-4	4	3-4
0250 Longford Br	-	-	-	-	-	4	3	3-4	3-4
West Branch									
0300 Br SE of Sunfort	-	-	3	3-4	3	3-4	3-4	3	4
0400 Annagh Br	-	-	3	3-4	3	3	3	3	3-4
Main Channel									
0550 Br d/s Scart Br	4-5	-	-	-	-	4	3	3-4	3-4
0600 Br N of Buttevant	4-5	4	2-3	3-4	3	3-4	-	-	-
0700 Buttevant Br	-	-	-	-	-	3	3	3	3
0900 Br N of Cahermee House	4-5	5	4	4	3-4	4	3-4	3-4	3-4
1000 Doneraile Br	-	-	4	4	3-4	4	3	3	3
1100 Br W of Shanballymore	4-5	4	4	3-4	4	4	4	4	4
1200 Br NW of Ballywalter Ho	-	-	4	4	4	4	4	4	4
1300 Kilcummer Br	4-5	4-5	4	4	4	4	4	4	4

Assessment: Following a slight deterioration in the Pruntus area (0160) the East Branch of the Awbeg River was slightly polluted by suspected agricultural sources at each of the three locations surveyed in late July 2000. By contrast the West Branch had improved considerably in the Sunfort area (0300) where conditions were assessed as satisfactory for the first time since sampling began in 1979. As in 1997 the Main Channel was again slightly polluted by suspected agriculture in its upper reaches (0550) and moderately polluted by suspected sewage at Buttevant (0700) and Doneraile (1000); the lower reaches maintained a satisfactory quality status.

River and Code : **AWNASKIRTAUN** **18/A/07**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 188 929 Date(s) Surveyed : 15 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br SE of Rathbeg	4-5	5	4-5	4-5
0300 Inchibeg Br	4	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **BALLARD STREAM** **18/B/10**
Tributary of : Araglin (Blackwater) OS Catchment No: 190
OS Grid Ref : R 887 048 Date(s) Surveyed : 15 August 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0400	Br u/s Araglin R confl	-	4	4	4

Assessment: Continuing satisfactory at the location examined which is 60 m upstream of the confluence with the Araglin.

River and Code : **BALLYCLOGH STREAM** **18/B/08**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 508 980 Date(s) Surveyed : 18 August 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0100	East Br, Ballyclogh	3	3	3	3
0500	Br u/s Blackwater R confl	3	3	3	3

Assessment: Continuing unsatisfactory at both locations on this spring-influenced stream.

River and Code : **BEHANAGH** **18/B/01**
Tributary of : Funshion OS Catchment No: 190
OS Grid Ref : R 856 158 Date(s) Surveyed : 27 June 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0300	Br NW of Carrigeen	5	5	5	4-5
0500	Mill Bridge	5	5	5	4

Assessment: Satisfactory at both locations but with some loss of ecological quality apparent since previous survey.

River and Code : **BLACKWATER (MUNSTER)** 18/B/02
 Tributary of : Sea - Youghal Bay OS Catchment No: 190
 OS Grid Ref : X 098 997 Date(s) Surveyed : 11-15 September 2000

Station No.	Biological Quality Ratings (Q Values)												
	1971	1974	1975	1978	1979	1980	1982	1984	1986	1990	1994	1997	2000
0050	5	-	5	-	-	-	-	-	-	4	4	4-5	4
0060	-	-	-	-	-	-	-	-	-	4	4	4	4
0075	5	-	4-5	-	-	-	-	-	-	4	4	4	4
0100	-	-	-	-	-	-	-	-	-	4	4	4	4
0200	5	-	5	5	-	5	-	-	4	4	4	4	4-5
0300	4-5	4-5	4	4-5	-	4-5	4-5	4-5	4-5	4	-	-	-
0400	3-4	3	1	3	-	4	3-4	2-3	3	3	4	3-4	4
0600	4-5	4-5	4	4	-	4	-	4	4	4	4	4-5	4-5
0700	5	-	4-5	-	4	4	-	-	4	4	-	-	-
0750	-	-	-	-	-	-	-	-	-	-	4-5	4-5	4-5
0800	5	-	5	-	5	4	-	-	4	4	4	4	4-5
0810	5	-	5	-	5	4	-	-	2-3	4	4	4	4-5
0900	-	-	-	-	4-5	4	-	-	4	4-5	5	4-5	4-5
1000	5	-	5	-	5	5	-	-	4-5	4-5	4-5	4-5	4-5
1100	-	-	-	-	5	5	-	-	4-5	4	5	4-5	4
1200	5	-	5	-	4-5	5	-	-	4-5	4-5	4-5	4-5	4
1300	5	-	5	-	4-5	5	-	-	3-4	4	5	4-5	4
1400	5	5	5	4-5	-	5	4-5	4-5	4	4	4	4	4
1500	-	-	-	-	-	-	4	3	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
1800	3	3	2-3	3	-	3	3	3	3	3	4-5	3-4	3-4
1900	4	3	3-4	3-4	-	3	3-4	3	3	3-4	4	3-4	3-4
2000	4	-	4	-	-	4	4	-	3-4	3-4	4-5	3-4	4
2100	4	-	4	-	-	4	3-4	-	3-4	4	-	-	-
2200	-	-	-	-	-	-	-	-	-	-	4	3	3
2210	-	-	-	-	-	-	-	-	-	-	4	3-4	3-4
2300	4	-	4	-	-	-	3-4	-	-	-	-	-	-
2450	5	-	5	-	-	4	4	-	4	-	4-5	4	3-4
2500	5	-	5	-	-	3-4	4	-	4	4	4	3-4	4
2600	-	-	-	-	-	4	-	-	4	3-4	4	4	4
2700	5	-	5	-	-	3-4	4	-	3-4	3-4	4	4	4

Sampling Station
 No. Location
 0050 Doctor's Hill Br
 0060 Ballydesmond Br
 0075 First Br d/s Ballydesmond Br
 0100 Lisheen Br
 0200 Nohaval Br
 0300 Duncannon Br
 0400 U/s Awnaskirtaun R confl
 0600 Shamrock Br
 0700 Charles' Br

Sampling Station
 No. Location
 0750 Ford SSE of Dromiscane Castle
 0800 Keale Br (RHS)
 0810 Keale Br (LHS)
 0900 Colthurst Br
 1000 Ballymaquirk Br
 1100 1.5km d/s Ballymaquirk Br
 1200 Roskeen Br
 1300 Lombardstown Br
 1400 Longfield's Br

Continued

BLACKWATER (MUNSTER) Continued

Sampling Station No.	Location	Sampling Station No.	Location
1500	Rly Br, Mallow (LHS)	2210	Fermoy Br (RHS)
1510	Rly Br, Mallow (RHS)	2300	2km d/s Fermoy Br
1800	Ballymagooly	2450	W of Kilmurry Ho
1900	Killavullen Br	2500	Ballyduff Br
2000	Ballyhooley Br	2600	Lismore Br
2100	Cregg Castle	2700	2km d/s Lismore Br
2200	Fermoy Br (LHS)		

Assessment: With further improvement recorded in its upper reaches (0400) the Blackwater was assessed as satisfactory at all points surveyed upstream of Mallow in mid-September 2000. The various discharges from Mallow continued to depress quality for a considerable distance downstream but, following an improvement at Ballyhooley (2000), the affected stretch had shortened considerably since 1997. More marked pollution effects were again apparent in Fermoy where slime growths were well developed below a sewage discharge on the left bank (2200) and, as the deterioration at Kilmurry indicates, the polluted zone below Fermoy has lengthened since 1997. By contrast conditions at Ballyduff (2500) improved somewhat and from there to the tidal limit was satisfactory.

River and Code	: BREGOGE	18/B/04
Tributary of	: Awbeg (Buttevant)	OS Catchment No: 190
OS Grid Ref	: R 595 079	Date(s) Surveyed : 25 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br W of Streamhill Ho	-	5	4-5	4
0400	Br u/s Awbeg R confl	4	3	3	4

Assessment: Satisfactory at both locations following significant improvement in the lower reaches (0400).

River and Code : **BRIDE (WATERFORD)** **18/B/05**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 088 912 Date(s) Surveyed : 3, 4 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1971	1975	1979	1983	1986	1990	1994	1997	2000
0050	Bride Br, Chimneyfield	-	-	-	-	-	4-5	4	4-5	4
0100	Bride Br (Old)	-	-	5	5	5	4-5	-	-	-
0120	Keam Br	-	-	-	-	-	-	4-5	4	4
0200	Br S of Glanreagh Br	-	-	5	5	5	4-5	-	-	-
0220	Nr Shanbally Ho	-	-	-	-	-	-	4-5	4	4
0300	Br S of Rathcormack	5	4-5	5	4-5	4-5	4	4	4	4
0400	Bride Br	5	4	5	4-5	4-5	4	-	-	-
0430	0.3km d/s Bride Br (RHS)	4	-	-	4-5	4-5	4	4	4	4
0440	0.3km d/s Bride Br (LHS)	-	-	-	-	-	3	3-4	3-4	3
0450	1km d/s Bride Br	4	-	-	4-5	4-5	-	-	-	-
0500	Bealacoon Foot-bridge	-	-	4-5	4	4-5	4	4	4	3-4
0600	Br at Conna	5	4-5	4-5	3-4	4	4	4	4	4
0700	Mogeely Br	-	-	4-5	3-4	4-5	4	4	4	4
0800	Tallowbridge	4	4	4	3-4	4	4	4	4	4

Assessment: The Bride River continued to be in a mostly satisfactory quality condition in September 2000 but it had become significantly polluted along the left-hand side below Castlelyons sewage discharge (0440) and also at Bealacoon Foot-bridge (0500) since 1997. A stream which enters the river near Shanbally House (0220) is eutrophic apparently due to agricultural activities.

River and Code : **BROGEEN** **18/B/06**
Tributary of : Allow OS Catchment No: 190
OS Grid Ref : R 385 018 Date(s) Surveyed : 17 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br N of Islandav	3	3	4	3
0200	Br N of Ballyhoolahan	3-4	3-4	3-4	3-4
0300	100m d/s Br NNW of Derrygalun	3-4	3-4	3-4	4
0600	100m d/s Br NE of Glen Park	3-4	4	4	4
0800	Br u/s Allow R confl	4	4	4	4

Assessment: Mostly satisfactory but, as in 1990 and 1994, upper reaches (0100) again distinctly polluted by suspected agriculture.

River and Code : **CLYDA** **18/C/02**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 533 977 Date(s) Surveyed : 13, 14 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1981	1986	1990	1994	1997	2000
0030	Br SW of Bweeng	-	-	4-5	-	-	-
0050	Br u/s Ahadallane Br	-	-	-	4	4	4
0060	Ahadallane Br	-	-	4-5	-	-	-
0070	Athnalacka Br	-	-	-	3-4	4	4
0080	50m d/s Millford Br	-	-	4	-	-	-
0090	Br nr Athnaleenta	-	-	-	4-5	4	3-4
0190	0.3km u/s Clyda Br (Upr)	-	-	5	-	-	-
0200	Clyda Br (Upr)	4-5	4-5	-	4-5	4-5	3-4
0300	Br u/s Blackwater R confl	4	4	3	4	3-4	3-4

Assessment: Upper half remaining satisfactory, but following deteriorations at two locations (0090, 0200), the lower half was assessed as slightly polluted in mid-July 2000. Agriculture suspected.

River and Code : **COOM** **18/C/03**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 684 901 Date(s) Surveyed : 3 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br u/s Toor R confl	4	4	4	4
0400	Coom Br	4	4	3-4	3-4

Assessment: Continuing mostly satisfactory but lower reaches (0400) again slightly polluted. Agriculture suspected. No change since 1997.

River and Code : **CRINNAGHTANE** **18/C/07**
Tributary of : Araglin (Blackwater) OS Catchment No: 190
OS Grid Ref : R 905 055 Date(s) Surveyed : 15 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br at Araglin R confl	4	4	4-5	4

Assessment: Continuing satisfactory with no significant change.

River and Code : **CULLAVAW STREAM** **18/C/04**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 176 935 Date(s) Surveyed : 15 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Cullavaw Br (Upr)	3-4	3-4	3-4	4
0300 Just u/s Blackwater R confl	4	4	4	4

Assessment: Satisfactory following improvement at Cullavaw Bridge (0100) which is the first time that both locations were satisfactory since surveys began in 1990.

River and Code : **CURRAHEEN (CORK)** **18/C/06**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 948 940 Date(s) Surveyed : 27 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br u/s Bride R confl	4	4	4	4

Assessment: Again satisfactory at the only location examined.

River and Code : **DALUA**
Tributary of : Allow
OS Grid Ref : R 382 032

18/D/01
OS Catchment No: 190
Date(s) Surveyed : 11 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)						
		1971	1981	1986	1990	1994	1997	2000
0050	Br W of Knockduff	-	-	-	4	4-5	4	4
0100	Aldworth's Br	-	5	5	4-5	4	3-4	4
0200	0.3km d/s Anne's Br (RHS)	-	4	4	3	4	3	3
0210	0.3km d/s Anne's Br (LHS)	-	-	-	-	3	3	3
0300	Ford W of Liscongill Ho	-	5	5	4-5	4-5	4-5	4
0500	Just d/s Owenare R confl	-	5	5	5	4	4-5	3-4
0600	Foot-bridge in Kanturk	1	5	4	4-5	4-5	4-5	3

Assessment: An improvement restoring satisfactory quality status was recorded at Aldworth's Bridge (0100) in the upper Dalua but suspected sewage discharges from Newmarket continued to pollute the middle reaches of the river (0200, 0210) in August 2000. Quality in the lower river had deteriorated very considerably since 1997 and conditions in Kanturk, would indicate a recent pollution episode.

River and Code : **DOUGLAS (ARAGLIN)**
Tributary of : Araglin (Blackwater)
OS Grid Ref : R 849 018

18/D/03
OS Catchment No: 190
Date(s) Surveyed : 2 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Glansheskin Br	4-5	-	4-5	4-5
0500	Douglas Br	4	4	4	3

Assessment: Continuing satisfactory at Glansheskin Bridge (0400) but a marked deterioration, due to suspected sewage discharges, was recorded at Douglas Bridge (0500) in early August 2000.

River and Code : **DOUGLAS (BRIDE)** **18/D/02**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 883 917 Date(s) Surveyed : 4 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br W of Ballynoe	4-5	3-4	3-4	3
0500 Br SW of Killavarilly	3-4	4	4	4
0800 Br u/s Bride R confl	4	3-4	3-4	4

Assessment: A further deterioration, reflecting considerable pollution was recorded in the upper Douglas River (0300) in August 2000 but following a slight improvement in the lower reaches (0800), the remaining two locations surveyed were satisfactory at that time.

River and Code : **FARAHY** **18/F/01**
Tributary of : Funshion OS Catchment No: 190
OS Grid Ref : R 720 084 Date(s) Surveyed : 12 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br nr Ballyguyroe North	-	3-4	3-4*	4
0300 Br at Ballyshonock	4	4-5	4	4-5
0500 1st Br d/s Farahy	4	4	4	3

Assessment: Mostly satisfactory and improved in upper reaches (0200) since 1997 but a marked deterioration was recorded below Farahy (0500) in July 2000.

*Siltation

River and Code : **FARNANE** **18/F/06**
Tributary of : Finisk OS Catchment No: 190
OS Grid Ref : S 170 013 Date(s) Surveyed : 1 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 D/s Derry Br Millstreet	4-5	4-5	4-5	4

Assessment: Continuing satisfactory.

River and Code : **FINISK** **18/F/02**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 107 968 Date(s) Surveyed : 1 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0090	Br u/s Ballinamult Br	4	4	4	4
0190	Br WNW of Tinalira	4	4-5	4-5	4
0300	Modelligo Br	4	4	4-5	4
0350	Br u/s Whitechurch Br	4	4-5	4-5	4
0500	Kilmolash Br	4	4	4-5	4-5

Assessment: Continuing satisfactory. No significant change.

River and Code : **FINNOW (BLACKWATER)** **18/F/03**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 284 925 Date(s) Surveyed : 8, 9 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1971	1975	1980	1985	1990	1994	1997	2000
0060	Kilmeedy Br	-	-	-	-	4	5	5	4-5
0200	Inchileigh Br	-	-	5	4-5	4-5	4-5	5	4
0400	Br u/s Blackwater R confl	4-5	5	5	4-5	4	4	4	4

Assessment: Continuing satisfactory despite a marked reduction in ecological quality at Inchileigh Bridge (0200).

River and Code : **FLESK (BRIDE)** **18/F/04**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 824 912 Date(s) Surveyed : 4, 5 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
Main Channel				
0200 Br S of Coosane	2-3	3-4	3-4	3-4
0500 Ballinallig Br	3	4	4	4
0700 Ballyglissane Br	4	4	4	4
1000 Br u/s Bride R confl	4	4	4	4
South Branch				
1200 Condonstown Br	-	3	3	3

Assessment: Mostly satisfactory with conditions unchanged since the previous survey when the uppermost location on the Main Channel was slightly polluted and the South Branch (1200) continued to be moderately polluted at the site examined.

River and Code : **FUNSHION** **18/F/05**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 837 002 Date(s) Surveyed : 27, 28 and 29 June 2000

Station No.	Biological Quality Ratings (Q Values)												
	1971	1974	1975	1978	1979	1980	1982	1985	1986	1990	1994	1997	2000
0030	-	-	-	-	-	-	-	-	-	-	5	5	5
0060	-	-	-	-	-	-	-	-	-	4	3	4	-
0100	5	5	5	5	-	4	5	4-5	4-5	4-5	4-5	4-5	4
0200	1	1	1-2	3	-	3	3	2-3	3	3	3	2-3	3
0300	1-2	1-2	2	3	-	3	-	2-3	2-3	3-4	3	3-4	3-4
0310	-	-	-	-	-	-	-	-	-	2-3	-	3-4	3-4
0400	2-3	3	2-3	4	-	3	-	3	-	3-4	3	4	3-4
0500	4	4	4-5	4	-	4	-	3-4	-	4	3-4	4	4
0510	-	-	-	-	-	-	-	-	-	-	-	3	3
0700	4-5	-	4-5	-	4	-	-	4	-	4	3-4	4	4
0800	-	-	-	-	3-4	-	4	4	-	4	4	4	4
0900	5	-	5	-	4	-	4	4	-	4-5	4	4-5	4
1000	-	-	-	-	4-5	-	4	4	-	4	4-5	4	4
1100	4-5	-	4	-	4-5	-	-	4	-	4	4	4	4

Continued

FUNSHION Continued

Sampling Station		Sampling Station	
No.	Location	No.	Location
0030	Brackbaun Br	0500	Glenavuddig Br (LHS)
0060	Kilbeheny Br	0510	Glenavuddig Br (RHS)
0100	Ballaghaderg Br	0700	Br NE of Carrigdownane
0200	0.5km d/s Gradoge R confl	0800	Br at Glanworth
0300	Killee Br (LHS)	0900	Ballynahow Br
0310	Killee Br (RHS)	1000	Downing Br
0400	Marshalstown Br	1100	Br u/s Blackwater R confl

Assessment: Continuing mostly satisfactory but again moderately polluted by suspected sewage and industrial discharges to the Gradoge tributary at Mitchelstown (0200) with carry-over effects below this confluence to Marshalstown (0400) and beyond and by suspected sewage discharges below Kildorrery at Glenavuddig Bridge (0510).

River and Code : **GLASHANABRACK** **18/G/02**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 720 887 Date(s) Surveyed : 3 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Trout Brook Br	4	4	4-5	4

Assessment: Continuing satisfactory with no significant change since previous surveys.

River and Code : **GLASHAWEE (ALLOW)** **18/G/03**
Tributary of : Allow OS Catchment No: 190
OS Grid Ref : R 322 165 Date(s) Surveyed : 27 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br u/s Glashawee Br	-	4	4	3-4
0500	Br u/s Allow R confl	4	3	3-4	3-4

Assessment: Following a deterioration in the upper reaches (0200), both locations surveyed were slightly polluted in late July 2000.

River and Code : **GLEN (BANTEER)** **18/G/04**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 392 985 Date(s) Surveyed : 16 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Glencam Br	5	4-5	4-5	4-5
0600 Lacka Br	5	4-5	4-5	4
0900 Ford S of Coolroe Beg	-	4-5	4-5	4-5
1100 Banteer Br	4-5	5	4-5	4

Assessment: Continuing satisfactory.

River and Code : **GLENABOY** **18/G/05**
Tributary of : Bride (Waterford) OS Catchment No: 190
OS Grid Ref : W 995 943 Date(s) Surveyed : 27 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Ballyclogh Br	4	4	4	4
0400 South Br Tallow	3	4	-	-
0600 Br u/s Bride R confl	4	4	4	3-4

Assessment: Conditions had deteriorated below Tallow (0600) since 1997 but the upper river remained in a satisfactory condition.

River and Code : **GLENAKEEFE** **18/G/06**
Tributary of : Owennashad OS Catchment No: 190
OS Grid Ref : S 050 017 Date(s) Surveyed : 11 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Glenakeefe Br	4-5	5	4-5	4-5
0400 Br u/s Owennashad R confl	4-5	5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **GLENCORRA STREAM** **18/G/15**
 Tributary of : Funshion OS Catchment No: 190
 OS Grid Ref : R 812 030 Date(s) Surveyed : 3 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Glencorra Br	4	4	4	3-4

Assessment: Slight pollution recorded representing some deterioration since previous surveys. Diffuse agricultural sources suspected.

River and Code : **GLENDINE (BLACKWATER)** **18/G/07**
 Tributary of : Blackwater (Munster) OS Catchment No: 190
 OS Grid Ref : X 077 824 Date(s) Surveyed : 27 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0290 Glendine Ch, E of Ballycondon	4-5	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **GLENLARA** **18/G/08**
 Tributary of : Dalua OS Catchment No: 190
 OS Grid Ref : R 308 073 Date(s) Surveyed : 17 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0360 Br S of Inchantotane	-	3-4	4	3-4
0400 Br N of Ballyduane	4-5	4	4	4
0500 Ford N of Curraduff	4-5	5	3	3-4

Assessment: The Glenlara River was in a generally over-enriched condition at the time of this survey in August 2000 when just one of the three locations surveyed (0400) was assessed as satisfactory.

River and Code : **GLENNAFALLIA** **18/G/10**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 097 992 Date(s) Surveyed : 31 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1986	1990	1994	1997	2000
0040 Br NW of Crow Hill	-	4-5	5	4-5	4-5
0060 LyreBr, 1.5km d/s Monavugga R conf	-	4	5	5	4-5
0200 Little Br (Cappoquin)	4	4	3-4	4	3-4

Assessment: Mostly satisfactory but a slight deterioration was recorded in Cappoquin (0200) since the previous survey.

River and Code : **GLENSHELANE** **18/G/11**
Tributary of : Glennafallia OS Catchment No: 190
OS Grid Ref : S 115 009 Date(s) Surveyed : 1 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br S of Knocknasculloge	4	4-5	-	-
0300 Just u/s Glennafallia R confl	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **GOISH** **18/G/12**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 096 920 Date(s) Surveyed : 26 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0050 Broken Br	-	4	4	4
0200 Br N of Coolroe	4	4	4	4
0300 Br 2km NW of Aglish	4	4	4	3-4

Assessment: The Goish River was in a mostly satisfactory condition in September 2000 but the lower reaches (0300) had deteriorated somewhat since the previous survey. -.

River and Code : **GRADOGE¹** **18/G/13**
Tributary of : Funshion OS Catchment No: 190
OS Grid Ref : R 797 137 Date(s) Surveyed : 28 June 2000

Station No.	Biological Quality Ratings (Q Values)													
	1971	1974	1975	1978	1980	1982	1985	1986	1988	1989	1990	1994	1997	2000
0200	1	1	1	1	2	1	1	1	2	2-3	2-3	2-3	2-3	3

Sampling Station
No. Location
0200 Just u/s Funshion R confl

Assessment: Despite a slight increase in ecological diversity since 1997 the Gradoge river continued to be significantly polluted by suspected sewage and industrial discharges downstream of Mitchelstown and, as in previous surveys, water quality deteriorates markedly in the Funshion below its confluence with this river.

¹Not shown on OS Catchment Map (Not a baseline river)

River and Code : **KNOPPOGE** **18/K/02**
Tributary of : Owenageeragh OS Catchment No: 190
OS Grid Ref : W 826 892 Date(s) Surveyed : 4 July 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0300	Br u/s Ballinwillin Br	-	3-4	4	3-4
0500	Br S of Bluebell Br	4	4	4-5	4

Assessment: Reversion to slightly polluted conditions at the first location representing a deterioration there since 1997 while the other site continues satisfactory.

River and Code : **LICKY** **18/L/01**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 103 844 Date(s) Surveyed : 25 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0050 Br S of Pulla	4-5	4	3-4	3-4
0100 Br NE of Glenlicky	4-5	-	-	-
0120 Ford (Br) WNW of Kileys X-Rds	-	4	4	3-4
0150 Grallagh Br	4-5	4-5	4-5	4
0200 Licky Br	4	4	4	3-4

Assessment: Following further deterioration since the previous survey just one of the four locations examined, Grallagh Bridge (0150), indicated satisfactory quality conditions.

River and Code : **LYRE** **18/L/02**
Tributary of : Clyda OS Catchment No: 190
OS Grid Ref : W 558 934 Date(s) Surveyed : 14 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br d/s Br W of Shanvoher	4-5	4	4	4
0900 Lyre Br	4-5	4	4	3-4
1100 Br 0.6 km u/s Clyda R confl	5	4-5	4	4

Assessment: Mostly satisfactory but over-enriched at Lyre Bridge (0900). Water quality was threatened by a polluted tributary which enters from the left-hand-side, immediately upstream of the final location (1100) at the time of this survey.

River and Code : **MONAVUGGA** **18/M/01**
Tributary of : Glennafallia OS Catchment No: 190
OS Grid Ref : S 104 022 Date(s) Surveyed : 31 July 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br u/s Glennafallia R confl	4-5	4	4	4

Assessment: Satisfactory. No change.

River and Code : **NAD** **18/N/01**
Tributary of : Glen (Banteer) OS Catchment No: 190
OS Grid Ref : W 437 913 Date(s) Surveyed : 16 August 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br N of Nadanuller Beg	4	4-5	4-5	4-5
0400	Br u/s Glen R confl	4	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change since previous survey.

River and Code : **OGEEN** **18/O/01**
Tributary of : Awbeg (Buttevant) OS Catchment No: 190
OS Grid Ref : W 635 074 Date(s) Surveyed : 25 July 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Ballintlea Br	4-5	4-5	4	4
0400	Labbavacun Br	4-5	4-5	4	3

Assessment: Significant deterioration, to moderately polluted conditions, since the previous survey at the lowermost location (0400).

River and Code : **OWBEG (WATERFORD)** **18/O/02**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 090 952 Date(s) Surveyed : 26 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br W of Toortane Ho	-	3-4	3	-
0400 Br u/s Owbeg Br	-	4	3-4	3-4
0800 S Br u/s Killahaly Br	3-4	4	3-4	3-4

Assessment: Continuing slightly polluted at the two locations examined; the uppermost location (0100) was not assessed as the river at that point was just a series of pools with intervening dry areas in late September 2000.

River and Code : **OWENAGEERAGH** **18/O/03**
Tributary of : Flesk (Bride) OS Catchment No: 190
OS Grid Ref : W 818 897 Date(s) Surveyed : 4 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br S of Killawillin	-	4	4-5	4
0300 Bluebell Br	3-4	4	4	4

Assessment: Continuing satisfactory but with an increase in emergent vegetation recorded at both sites.

River and Code : **OWENANARE** **18/O/04**
Tributary of : Dalua OS Catchment No: 190
OS Grid Ref : R 366 045 Date(s) Surveyed : 10 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Barleyhill Br	4-5	4	4	4
0300 Priory Br	5	4-5	4	4
0600 Just u/s Dalua R confl	4-5	4	4	4

Assessment: Continuing satisfactory.

River and Code : **OWENBAUN (RATHCOOL)** **18/O/05**
Tributary of : Rathcool OS Catchment No: 190
OS Grid Ref : W 336 937 Date(s) Surveyed : 9 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br d/s Br NE of Knocknakilla	4	4	4	4
0500	0.5km d/s Owenbaun Br	3	4-5	4	4
0700	Clashatrake Br	4-5	5	4-5	4
0900	Br u/s Rathcool R confl	4	4-5	4-5	4-5

Assessment: Continuing satisfactory with no significant change.

River and Code : **OWENKEAL** **18/O/06**
Tributary of : Dalua OS Catchment No: 190
OS Grid Ref : R 307 050 Date(s) Surveyed : 11 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0500	Br W of Blueford	4	4-5	4	4
0600	Long Br	4-5	4-5	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **OWENNAGLOO** **18/O/07**
Tributary of : Finnow (Blackwater) OS Catchment No: 190
OS Grid Ref : W 263 918 Date(s) Surveyed : 8 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br NW of Kippagh	4	4-5	4	4
0500	Ferm Br	2-3	4-5	4	4
0700	Br u/s Finnow R confl	4	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **OWENNASHAD** **18/O/08**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 048 989 Date(s) Surveyed : 11 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1986	1990	1994	1997	2000
0060 Foot-bridge E of Glendeish	-	-	5	5	4-5
0140 Drummer Br	-	4-5	5	4-5	4-5
0200 Br u/s Blackwater R confl	5	4-5	4	4	3-4

Assessment: Significant deterioration, to eutrophic conditions, at the final location (0200) since the previous survey. Continuing satisfactory at the other two locations.

River and Code : **OWENTARAGLIN** **18/O/09**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 223 935 Date(s) Surveyed : 13, 14 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Br N of Clamper Cross	4	3-4	4	4
0600 (Br) Ford W of Rascalstreet	4	3-4	4	4
0900 (Br) W of Dromskarragh	4	3-4	4	4
1000 Br W of Islandbrack	4	4-5	4-5	4
1100 Br SE of Cullen	4	4	4	4
1200 Br u/s Blackwater R confl	4-5	4-5	4-5	4-5

Assessment: Satisfactory with no significant change since previous survey.

River and Code : **RATHCOOL** **18/R/01**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 329 955 Date(s) Surveyed : 9 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br at Baunreagh	4-5	4-5	4	4
0400 Br nr Killeen	-	5	4-5	4-5
0700 Br u/s Blackwater R confl	4	4-5	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **ROSS (KILLAVULLEN)** **18/R/02**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : W 655 993 Date(s) Surveyed : 13 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br N of Toormore	4-5	5	4-5	4-5
0500 0.3km u/s Blackwater R confl	4	5	3-4	3

Assessment: Again satisfactory at 0200 but moderately polluted, by treated sewage from Killavullen, at 0300 representing further deterioration there since the previous survey.

River and Code : **SHEEP** **18/S/03**
Tributary of : Funshion OS Catchment No: 190
OS Grid Ref : W 737 116 Date(s) Surveyed : 13 July 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1990	1994	2000
0200 Annaglug Br	3	4	4
0400 Br d/s Ahaphuca Br	4	4	4
0600 Br u/s Funshion R confl	4	4	4

Assessment: Continuing satisfactory. No change.

River and Code : **TOURIG** **18/T/03**
Tributary of : Blackwater (Munster) OS Catchment No: 190
OS Grid Ref : X 093 804 Date(s) Surveyed : 27 September 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0300	Br N of Meenoughter	4-5	4	4	4
0500	Br nr Park Ho	4-5	4-5	4	4
0700	Br SW of Tourig Hall	4	4-5	4	4

Assessment: Continuing satisfactory.

HYDROMETRIC AREA No. 20

Bandon - Ilen

Argideen	20A02
Ballinspittle	20B09
Ballymahane	20B01
Bandon	20B02
Bawnaknockane	20B03
Bealanascartane	20B08
Blackwater (Bandon)	20B04
Brinny	20B07
Burrane	20B10
Caha	20C01
Carhoo	20C06
Cashel	20C02
Clodagh	20C03
Clonakilty Stream	20C05
Cullenagh Lake Stream	20C04
Dirty	20D01
Glashagloragh	20G02
Ilen	20I01
Kilbrittain	20K01
Leamawaddra	20L01
Leap Stream	20L04
Minane	20M01
Owenkeagh	20O01
Owennashingaun	20O02
Ownahinchy	20O03
Rathruane	20R01
Roury	20R02
Saivnose	20S01
Sall	20S02
Stick	20S03
Tinneel Stream	20T02

River and Code : **ARGIDEEN** **20/A/02**
Tributary of : Sea - at Courtmacsherry OS Catchment No: 232
OS Grid Ref : W 473 437 Date(s) Surveyed : 21 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1971	1976	1981	1985	1989	1994	1997	2000
0030 Br u/s Glashagloragh R confl	-	-	-	-	4	3-4	4	4-5
0050 Br NW of Gearagh	-	-	-	-	4	4	4	4
0060 Ballaghcummer Br	-	-	-	-	4	4	4-5	3-4
0100 Br S of Lisselan	5	5	5	4	3-4	4	4	3-4
0200 Kilmaloda Br	5	5	5	3-4	4	4	4	4

Assessment: Continuing mostly satisfactory but a deterioration was recorded in the middle reaches (0060, 0100) where the river had become markedly eutrophic. An accumulation of sludge from a water treatment works was observed along the right-hand side of the river at Station 0100.

River and Code : **BALLINSPITTLE** **20/B/09**
Tributary of : Sea - Kinsale Harbour OS Catchment No: w2
OS Grid Ref : W 568 510 Date(s) Surveyed : 30 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Br in Ballinspittle	4	4	3-4	4

Assessment: Satisfactory and improved since 1997.

River and Code : **BALLYMAHANE** **20/B/01**
Tributary of : Sall OS Catchment No: 229
OS Grid Ref : W 493 586 Date(s) Surveyed : 17 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Br N of Tullyglas	4	4	4	4
0700 Br nr Roughgrove Ho	-	4	4-5	4-5
1000 Br u/s Sall R confl	4	4	4-5	4

Assessment: Continuing satisfactory. However, the upper reaches are threatened by a stream grossly polluted by suspected farm wastes which joins the river some 30m downstream of Station 0200 and also by the use of the site for mixing agricultural chemicals.

River and Code : **BANDON** **20/B/02**
Tributary of : Sea - Kinsale Harbour OS Catchment No: 229
OS Grid Ref : W 653 474 Date(s) Surveyed : 29-31 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)									
	1971	1976	1978	1982	1986	1989	1994	1997	2000	
0050 Br E of Keenrath Ho	-	-	-	-	-	4-5	4-5	4	4-5	
0100 Br u/s Ardcahan Br	5	4-5	4-5	4-5	4	3-4	-	-	-	
0150 Ardcahan Br	-	-	-	-	4-5	4	4	4	4	
0300 Br 3km SE of Dunmanway	5	4-5	4-5	4	4	4	4	4	3-4	
0400 Manch Br	5	4-5	4	4	4	3-4	4	3-4	3-4	
0550 Br S of Enniskean	-	-	-	-	-	4	4-5	4	3-4	
0600 Br nr Desert Station	5	5	5	3-4	3-4	4	4-5	4	4	
0700 Carhoon Br	5	4-5	4	3-4	4	3-4	4-5	4	4	
0800 1.5km d/s Bandon Br	5	3	2-3	3	4	3	3-4	3	3	
0900 Br u/s Inishannon	5	4-5	4	4	4	3-4	4	4	4	

Assessment: Due to a deterioration at two locations (0300 and 0550) since 1997 an estimated 15 kilometres of channel from below Dunmanway to Enniskean were assessed as eutrophic in late August 2000. Otherwise conditions were unchanged, the upper and lower reaches remained satisfactory and moderate pollution persisted downstream of Bandon (0800).

River and Code : **BAWNAKNOCKANE** **20/B/03**
Tributary of : Sea - Roaring Water Bay OS Catchment No: 236
OS Grid Ref : V 989 358 Date(s) Surveyed : 21 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Ford NE of Coolcaha	3	4	4	4

Assessment: Continuing satisfactory.

River and Code : **BEALANASCARTANE** **20/B/08**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 267 517 Date(s) Surveyed : 31 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Br u/s Curraghlicky Lake	4	3	4	3-4
0300 Br SE of Drinagh East	4	4	4	4
0700 (E) Br u/s Bandon R confl	4	4	3-4	3-4
Distributary				
0800 (W) Br u/s Bandon R confl	2/0	4	4	4

Assessment: Following a slight deterioration since 1997 the area upstream of Curraghlicky Lake (0100) was assessed as slightly polluted and similar conditions persisted in the lower reaches (0700).

River and Code : **BLACKWATER (BANDON)** **20/B/04**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 319 535 Date(s) Surveyed : 31 August 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0300 Geara Br	4	4	4	4
0600 Br W of Teenah	4	4-5	4	3-4
0800 Blackwater Br	4	4-5	4-5	4-5

Assessment: The middle reaches of the Blackwater (0600) had deteriorated and were distinctly eutrophic in late August 2000. Elsewhere conditions remained satisfactory and were unchanged since 1997.

River and Code : **BRINNY** **20/B/07**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 532 573 Date(s) Surveyed : 22 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1976	1978	1982	1986	1989	1994	1997	2000
0030 Br S of Aghnamarroge Cross Rds	-	-	-	-	4	4	4	4
0070 Tuough Br	-	-	-	-	4-5	4	3-4	4
0100 Br W of Rockfort Ho	-	5	5	4-5	4-5	4-5	4	4
0200 Br u/s Bandon R confl	4-5	4	4	4	4-5	4-5	4-5	4

Assessment: Following a slight improvement at Tuough Bridge (0070), the Brinny was in a satisfactory condition ('Fair' quality) everywhere surveyed in 2000.

River and Code : **BURRANE** **20/B/10**
Tributary of : Argideen Estuary OS Catchment No: 232
OS Grid Ref : W 473 455 Date(s) Surveyed : 21 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Burrane Br	3	3	3-4	3-4

Assessment: Again slightly polluted; intermittent farmyard discharges suspected.

River and Code : **CAHA** **20/C/01**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 241 558 Date(s) Surveyed : 30 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0100	Br N of Coolcaum	-	4-5	4-5	4-5
0400	Poulnaberry Br	4	4	4-5	4
0700	Caha Br	4	4-5	4	4

Assessment: Continuing satisfactory with no significant change.

River and Code : **CARHOO** **20/C/06**
Tributary of : Sea - Clonakilty Bay OS Catchment No: x2
OS Grid Ref : W 377 397 Date(s) Surveyed : 29 November 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0300	Br SE of Carhoo	4	4	4	4

Assessment: Continuing satisfactory with no change in its 'Fair' quality status.

River and Code : **CASHEL (CORK)** **20/C/02**
Tributary of : Roury OS Catchment No: 234
OS Grid Ref : W 242 386 Date(s) Surveyed : 22 November 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0600	Br NE of Cashel	3	3-4	3-4	4
0800	Br in Connonagh (RHS)	4	4-5	4	4
0810	Br in Connonagh (LHS)	2	3	4	4

Assessment: Has further improved since 1997 and the river is now classed as satisfactory ('Fair' quality) throughout the length examined.

River and Code : **CLODAGH** **20/C/03**
Tributary of : Ilen OS Catchment No: 233
OS Grid Ref : W 126 473 Date(s) Surveyed : 19 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0300	Br SW of Pookeen	-	4-5	4-5	4-5
0400	Br just u/s Ilen R confl	4-5	4-5	4	4-5

Assessment: Continuing satisfactory with no significant change.

River and Code : **CLONAKILTY STREAM** **20/C/05**
Tributary of : Sea - Clonakilty Bay OS Catchment No: x2
OS Grid Ref : W 387 413 Date(s) Surveyed : 29 November 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0100	Br ESE of Garralacka	4	4	4	4
0300	Second Br d/s Br ESE of Garralacka	3-4	4	4	4

Assessment: Satisfactory ('Fair' quality) despite some oil residues in Clonakilty (0300) in late November 2000.

River and Code : **CULLENAGH LAKE STREAM** **20/C/04**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 168 558 Date(s) Surveyed : 29 August 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0100	Br u/s Bandon R confl	4	4	4	4

Assessment: Continuing satisfactory. 'Fair' quality. No change.

River and Code : **DIRTY** **20/D/01**
Tributary of : Bandon OS Catchment No: 229
OS Grid Ref : W 240 523 Date(s) Surveyed : 30 August 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)						
		1978	1982	1985	1989	1994	1997	2000
0005	Br E of Sillahertane	-	-	-	4	4	4	4
0050	Br SW of Woodbrook	-	3-4	3-4	3	4	4	4
0100	Br u/s Bandon R confl	3-4	3-4	3-4	3-4	4	4	3-4

Assessment: Quality continuing mostly 'Fair' but has deteriorated in Dunmanway (0100) where slight pollution has become apparent since 1997.

River and Code : **GLASHAGLORAGH (CORK)** **20/G/02**
Tributary of : Argideen OS Catchment No: 232
OS Grid Ref : W 293 443 Date(s) Surveyed : 20 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0200	Kippagh Br	3-4	3	3-4	3-4
0400	Inchinattin Br	4-5	3-4	4	4

Assessment: Slight pollution was again recorded at Kippagh Bridge (0200) but satisfactory conditions were maintained in the lower reaches (0400). No change.

River and Code : **ILEN** **20/I/01**
Tributary of : Sea - Baltimore Bay OS Catchment No: 233
OS Grid Ref : W 073 315 Date(s) Surveyed : 19 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1971	1976	1981	1985	1989	1994	1997	2000
0020 Br near Castle Donovan	-	-	-	-	-	4-5	4-5	4-5
0100 Moyny Br	5	5	5	4-5	5	5	4-5	4-5
0160 Br NW of Bishops Village	-	-	-	-	-	4-5	4-5	4-5
0200 Br near Madore	5	5	5	4-5	4	-	-	-
0240 Just u/s Saivnose R confl	-	-	-	-	4	3-4	4	4
0300 Br 3km N of Skibbereen	5	4-5	4-5	4	3-4	3-4	4	4

Assessment: Continuing satisfactory at all points surveyed including the final location (0300) where an unsightly discharge from a water treatment works was observed accessing the left side of the river.

River and Code : **KILBRITTAIN** **20/K/01**
Tributary of : Sea - Courtmacsherry OS Catchment No: w2
OS Grid Ref : W 532 468 Date(s) Surveyed : 30 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Maulmane Br	-	4	4	4
0300 Br in Kilbrittain	4	4	4	3-4

Assessment: The upper river continued to be of a satisfactory ("Fair") quality standard but, as indicated by the 'sewage fungus' growths, quality had deteriorated in Kilbrittain (0300) since 1997.

River and Code : **LEAMA WADDRA** **20/L/01**
Tributary of : Sea - Roaring Water Bay OS Catchment No: 235
OS Grid Ref : W 019 342 Date(s) Surveyed : 21 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Br SW of Derreenard	4-5	4	4-5	4-5
0400 Crooked Br	4	4	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **LEAP STREAM** **20/L/04**
Tributary of : Glandore Harbour OS Catchment No: y2
OS Grid Ref : W 207 368 Date(s) Surveyed : 21 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0100 U/s of bridge in Leap	4	4	4

Assessment: Continuing satisfactory where sampled i.e., some 80m upstream of Leap Bridge.

River and Code : **MINANE** **20/M/01**
Tributary of : Sea - Ringabella Bay OS Catchment No: u2
OS Grid Ref : W 760 569 Date(s) Surveyed : 23 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Br at Ballyfeard	3-4	3-4	3-4	3-4
0200 Br at Minane Br	3-4	3-4	3	3

Assessment: Again unsatisfactory at both locations. No change since 1997 survey.

River and Code : **OWENKEAGH** **20/O/01**
Tributary of : Argideen OS Catchment No: 232
OS Grid Ref : W 452 457 Date(s) Surveyed : 21 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0200	Ford u/s Ballinascarty Br	3-4	3-4	3-4	3-4
0600	Skeaf Br	4	4	3-4	3-4

Assessment: As indicated by the DO values recorded at the two locations surveyed (48% and 56% respectively) the Owenkeagh River was again significantly polluted in late September 2000. Agriculture suspected.

River and Code : **OWENNASHINGAUN** **20/O/02**
Tributary of : Ilen OS Catchment No: 233
OS Grid Ref : W 095 445 Date(s) Surveyed : 19 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0200	Trawlebane Br	-	4-5	4-5	4-5
0400	Br u/s branch from Durriss Rd Stn	4-5	4	4-5	4-5
0700	Br u/s Ilen R confl	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **OWNAHINCHY** **20/O/03**
Tributary of : Sea - Roscarbery Bay OS Catchment No: x2
OS Grid Ref : W 307 353 Date(s) Surveyed : 22 November 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0080	Br SW of Bealad Ho	-	4	3-4	4
0200	Kilruane Br	1	3-4	3	4
0400	Br u/s Ownahinchy Br	3-4	4	4	4

Assessment: Following improvements at two locations (0080 and 0200) the Ownahinchy River was assessed as satisfactory for the first time since surveys began in 1989.

River and Code : **RATHRUANE** **20/R/01**
Tributary of : Bawnaknockane OS Catchment No: 236
OS Grid Ref : V 989 358 Date(s) Surveyed : 16 November 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br SE of Raheenroe	4	3	3-4	3-4
0400	Br u/s Bawnaknockane R confl	4	4	4	4

Assessment: Upper reaches (0200) continuing slightly polluted. Agricultural sources suspected. No change.

River and Code : **ROURY** **20/R/02**
Tributary of : Sea - Mill Cove OS Catchment No: 234
OS Grid Ref : W 267 348 Date(s) Surveyed : 21 November 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0100	Corran Br	4	4	4	4
0400	Third Br d/s Corran Lake	4	4	4	4
0800	Br E of Dromillihy Wood	4	4-5	4	4
1000	Ballyvireen Br	3-4	4	4	4

Assessment: Satisfactory. No change.

River and Code : **SAIVNOSE** **20/S/01**
Tributary of : Ilen OS Catchment No: 233
OS Grid Ref : W 121 400 Date(s) Surveyed : 20 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0200	Br d/s Coomatallin Br	-	4-5	4	4
0400	Br NW of Carrigbaun	4	4	4	4
0900	Derreeny Br	4	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **SALL** 20/S/02
Tributary of : Brinny OS Catchment No: 229
OS Grid Ref : W 513 519 Date(s) Surveyed : 6 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 First Br d/s Tanyard Br	-	3	4	3-4
0500 Br nr The Dukes Wood	-	4	4-5	4
0700 0.8km u/s Brinny R confl	3-4	4	4	3-4

Assessment: A deterioration, reflecting slightly polluted conditions, was recorded in the upper (0200) and lower (0700) reaches of the Sall River in October 2000. A degree of siltation was recorded at the latter location.

River and Code : **STICK** 20/S/03
Tributary of : Sea - Oyster Haven OS Catchment No: 231
OS Grid Ref : W 687 493 Date(s) Surveyed : 7 December 20000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
<i>Ballymartle Branch</i>				
0240 Br u/s confl with Main Channel	-	4	3-4	4
<i>Main Channel</i>				
0300 Br E of Coolkirky Ho	3	3	3	3
0600 Br d/s Ballymartle Branch	4	4	4	4
0800 Aghafantaun Br	3-4	4	4	4

Assessment: The Ballymartle Branch (0240) had improved since 1997 and was satisfactory at the point examined but the Main Channel showed no change and continued to be moderately polluted in its upper reaches (0300), apparently as a result of agricultural activities. Surveyed in early December following extended period of high river flows.

River and Code : **TINNEEL STREAM** **20/T/02**
Tributary of : Sea at Roscarbery Bay OS Catchment No: x2
OS Grid Ref : W 289 370 Date(s) Surveyed :

Sampling Stations No. Location		Biological Quality Ratings (Q Values)		
		1994	1997	2000
0050	Br nr Milleen	-	3	3

Assessment: Continuing moderately polluted. As in 1997 a stream entering, from left-hand side, immediately downstream of Bridge near Milleen was carrying farm waste to the river.

HYDROMETRIC AREA No. 21
Dunmanus-Bantry-Kenmare

Adrigole	21A01	Kealduff	21K01
Ardsheelhane	21A02	Kealincha	21K02
Blackwater (Kerry)	21B03	Lough Fadda Stream	21L03
Cleady	21C02	Magannagan Stream	21M02
Cloghane (Allihies)	21C08	Mealagh	21M01
Cloonee	21C06		
Coomeelan Stream	21C14	Owbeg (Roughy)	21O02
Coomhola	21C03	Owenbeg (Owvane)	21O03
Croanshagh	21C05	Owenshagh	21O08
Cummeragh	21C04	Ownagappul	21O09
		Owngar (Cork)	21O04
Derreendarragh	21D03	Owreagh	21O05
Drimminboy	21D01	Owroe	21O06
Drumoghty	21D04	Owvane (Cork)	21O07
Emlaghmore	21E01	Roughy	21R01
Finnihy	21F01	Sheen	21S01
Four Mile Water	21F02	Slaheny	21S02
		Sneem	21S03
Glan Stream	21G13		
Glengarriff	21G03	Tahilla	21T01
		Trafrask Stream	21T03
Inny (Kerry)	21I01		
Isknagahiny L. Stream	21I03		

River and Code : **ADRIGOLE** **21/A/01**
Tributary of : Sea - Adrigole Harbour OS Catchment No: 224
OS Grid Ref : V 807 502 Date(s) Surveyed : 5 October 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Adrigole Br	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **ARDSHEELHANE** **21/A/02**
Tributary of : Sneem OS Catchment No: 214
OS Grid Ref : V 688 673 Date(s) Surveyed : 7 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Coomyanna Br	-	5	4-5	4-5
0200	Just u/s Sneem R confl	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **BLACKWATER (KERRY)** **21/B/03**
Tributary of : Kenmare River OS Catchment No: 215
OS Grid Ref : V 797 684 Date(s) Surveyed : 8 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Gearha Br	4-5	4-5	4-5	5
0200	SW of Old Dromore Ho	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **CLEADY** **21/C/02**
Tributary of : Roughty OS Catchment No: 217
OS Grid Ref : V 942 719 Date(s) Surveyed : 2 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1987	1993	1997	2000
0300 Cleady Br	4	4	4	4

Assessment: Continuing satisfactory.

River and Code : **CLOGHANE** **21/C/08**
Tributary of : Sea - at Allihies (W of Bear Is) OS Catchment No: g3
OS Grid Ref : V 584 407 Date(s) Surveyed : 5 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0300 Br SE of Knockroe	4	4	4-5

Assessment: Again satisfactory with slightly higher ecological quality than previously recorded.

River and Code : **CLOONEE (KERRY)** **21/C/06**
Tributary of : Sea - Kenmare River OS Catchment No: 220
OS Grid Ref : V 775 628 Date(s) Surveyed : 4 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Just u/s Inchiquin Lough	-	4-5	4	4-5
0200 Just d/s Inchiquin Lough	-	3-4	3-4	4
0400 Casha Br	3-4	3-4	3-4	3-4

Assessment: Mostly satisfactory with the high flow apparently diluting the lake effect downstream of Inchiquin Lough (0200). A lake effect was however again recorded at Casha Bridge (0400).

River and Code : **COOMEELAN STREAM** **21/C/14**
Tributary of : Sheen OS Catchment No: 218
OS Grid Ref : V 950 644 Date(s) Surveyed : 3 October 2000

Sampling Stations		Biological Quality Ratings (Q Values)		
No.	Location	1994	1997	2000
0200	Br u/s Sheen R confl	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **COOMHOLA** **21/C/03**
Tributary of : Sea - Bantry Bay OS Catchment No: 225
OS Grid Ref : V 998 545 Date(s) Surveyed : 14 November 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1993	1997	2000
0200	Nr Sch NE of Cappanabrick	4-5	4-5	4-5	4-5
0500	Coomhola Br	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **CROANSHAGH** **21/C/05**
Tributary of : Sea - Kilmackilloge Harbour OS Catchment No: 222
OS Grid Ref : V 770 572 Date(s) Surveyed : 14 October 2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0100	Glanmore Br	4	4	4-5	4-5
0200	0.6km u/s Croanshagh Br	4	4	4	4

Assessment: Continuing satisfactory.

River and Code : **CUMMERAGH** **21/C/04**
Tributary of : Sea - Ballinskelligs Bay OS Catchment No: 213
OS Grid Ref : V 500 650 Date(s) Surveyed : 6 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Just d/s Derriana Lough	4-5	4	4	4
0400	Fords d/s Cumberagh Br	4	3-4	4	4
0600	Dromkeare Br	4-5	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **DERREENDARRAGH** **21/D/03**
Tributary of : Blackwater (Kerry) OS Catchment No: 215
OS Grid Ref : V 791 714 Date(s) Surveyed : 8 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0300	Br near Derreendarragh	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **DRIMMINBOY** **21/D/01**
Tributary of : Croanshagh OS Catchment No: 222
OS Grid Ref : V 767 562 Date(s) Surveyed : 4 October 2000

No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
0100	Br SE of Shronebirrane	4-5	4-5	4

Assessment: Continuing satisfactory but with a slightly lower ecological quality rating.

River and Code : **DRUMOGHTY** **21/D/04**
Tributary of : Sea - Kenmare River OS Catchment No: j3
OS Grid Ref : V 875 680 Date(s) Surveyed : 3 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0400 Dawros Br	4	4	4

Assessment: Continuing satisfactory.

River and Code : **EMLAGHMORE** **21/E/01**
Tributary of : Sea - Ballinskelligs Bay OS Catchment No: O3
OS Grid Ref : V 453 682 Date(s) Surveyed : 20 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0400 Emlaghmore Br	4	3	3

Assessment: Again moderately polluted apparently as a result of agricultural wastes.

River and Code : **FINNIHY** **21/F/01**
Tributary of : Sea - Kenmare River OS Catchment No: 216
OS Grid Ref : V 903 707 Date(s) Surveyed : 2 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1986	1990	1994	1997	2000
0200 Br u/s Sahaleen Br	4	4	4	4	4
0300 Sahaleen Br	4	4	4	4	4
0500 Kenmare: Finnihy Br (RHS)	4-5	4	4	4	4
0510 Kenmare: Finnihy Br (LHS)	4-5	3	3-4	3-4	3-4

Assessment: Mostly satisfactory but again slightly polluted along the left-hand side of the river in Kenmare (0510) by a tributary stream.

River and Code : **FOUR MILE WATER** **21/F/02**
Tributary of : Sea - Dunmanus Bay OS Catchment No: 237
OS Grid Ref : V 944 419 Date(s) Surveyed : 16 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Foot-br u/s Letterlicky Br (RHS)	-	4	4-5	4
0210 Foot-br u/s Lettetlicky Br (LHS)	-	3	3-4	4
0400 Fords W of Maulinward	4-5	4-5	4-5	4-5
0500 Br u/s Durrus	4	4-5	4-5	4-5

Assessment: Satisfactory throughout following improvement at left-hand side of river at Foot-bridge upstream Letterlicky Br (0210).

River and Code : **GLAN STREAM** **21/G/13**
Tributary of : Dunmanus Harbour OS Catchment No: b3
OS Grid Ref : V 855 336 Date(s) Surveyed : 16 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0400 Br SE of Rock Cottage	4	4	3-4

Assessment: Deterioration to slightly polluted conditions since the previous survey.

River and Code : **GLENGARRIFF** **21/G/03**
Tributary of : Sea - Glengarriff Harbour OS Catchment No: 219
OS Grid Ref : V 932 561 Date(s) Surveyed : 13 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br W of Skehil	4-5	5	5	5
0300 Foot-bridge NW of Glengarriff	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **INNY (KERRY)** **21/I/01**
 Tributary of : Sea - Ballinskelligs Bay OS Catchment No: 212
 OS Grid Ref : V 496 692 Date(s) Surveyed : 6 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Ballynakilly Br	4	4	4	4
0400 Killeenagh Br	4	4	4	4
0500 Foildrenagh Br	4	4	3-4	3-4
0900 2km u/s Inny Br	4	4	4	3-4

Assessment: Large growths of filamentous algae, indicating eutrophic conditions, were recorded at the two lower locations (0500 and 0900) representing further deterioration since the previous survey.

River and Code : **ISKNAGAHINY LOUGH STREAM** **21/I/03**
 Tributary of : Lough Currane OS Catchment No: 213
 OS Grid Ref : V 564 655 Date(s) Surveyed : 7 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0100 Br NW of Caunteens	4-5	4-5	4

Assessment: Continuing satisfactory at the only location examined.

River and Code : **KEALDUFF** **21/K/01**
 Tributary of : Blackwater (Kerry) OS Catchment No: 215
 OS Grid Ref : V 772 728 Date(s) Surveyed : 8 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br nr Gearha	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **KEALINCHA** **21/K/02**
Tributary of : Sea - Coulagh Bay OS Catchment No: 223
OS Grid Ref : V 637 502 Date(s) Surveyed : 5 October 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br NW of Kilmackowen	-	4	4-5	4-5
0300	Drehidawillaun Br	3-4	4	4	4

Assessment: Satisfactory. No change.

River and Code : **LOUGH FADDA STREAM** **21/L/03**
Tributary of : Ownagappul OS Catchment No: h3
OS Grid Ref : V 684 555 Date(s) Surveyed : 5 October 2000

No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
0100	Br d/s Lough Fadda	4	4	4

Assessment: Continuing satisfactory.

River and Code : **MAGANNAGAN STREAM** **21/M/02**
Tributary of : Sea - Glengarriff Harbour OS Catchment No: f3
OS Grid Ref : V 923 545 Date(s) Surveyed : 14 November 2000

No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
0100	Derryconnery Br	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **MEALAGH** **21/M/01**
Tributary of : Sea - Bantry Bay OS Catchment No: 227
OS Grid Ref : W 005 501 Date(s) Surveyed : 15 November 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1987	1994	1997	2000
0100	Br N of Keimeen	4	4	4	4-5
0200	Br S of Ards More	5	5	5	5
0300	Br N of Drumbrow Ho	5	5	4-5	4-5
0400	Dunnamark Br	3-4	4	4	4

Assessment: Continuing satisfactory.

River and Code : **OWBEG (ROUGHTY)** **21/O/02**
Tributary of : Roughty OS Catchment No: 217
OS Grid Ref : V 986 729 Date(s) Surveyed : 5 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1987	1993	1997	2000
0200	Mangerton Br	4-5	4-5	4-5	4-5
0500	Ardtully Br	4-5	4-5	4-5	4

Assessment: Satisfactory with no significant change since previous survey.

River and Code : **OWENBEG (OWVANE)** **21/O/03**
Tributary of : Owvane (Cork) OS Catchment No: 226
OS Grid Ref : W 032 556 Date(s) Surveyed : 14 November 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1987	1993	1997	2000
0200	Br E of Maugha	4	4	4	4
0400	Br u/s Owvane R confl	4	4	4	4

Assessment: Satisfactory. No change.

River and Code : **OWENSHAGH** **21/O/08**
Tributary of : Sea - Kilmackilloge Harbour OS Catchment No: 221
OS Grid Ref : V 774 584 Date(s) Surveyed : 4 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Lauragh Br	4	4-5	4	4

Assessment: Continuing satisfactory.

River and Code : **OWNAGAPPUL** **21/O/09**
Tributary of : Sea - Ardgroom Harbour OS Catchment No: h3
OS Grid Ref : V 689 557 Date(s) Surveyed : 5 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0200 Slieve Br	4	4	4

Assessment: Again satisfactory in Ardgroom despite some signs of enrichment.

River and Code : **OWNGAR (CORK)** **21/O/04**
Tributary of : Owvane (Cork) OS Catchment No: 226
OS Grid Ref : W 063 571 Date(s) Surveyed : 15 November 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1987	1994	1997	2000
0200 SW of Ballynamought	4	4	4	4-5
0400 Cahermoanteen Br	4	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **OWREAGH** **21/O/05**
Tributary of : Sea - Sneem Estuary OS Catchment No: 214
OS Grid Ref : V 686 663 Date(s) Surveyed : 7 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br S of Coomnahorna	-	4	5	4-5
0300	Br W of Sneem	4	4-5	4-5	4-5

Assessment: Continuing satisfactory. No significant change.

River and Code : **OWROE** **21/O/06**
Tributary of : Inny (Kerry) OS Catchment No: 212
OS Grid Ref : V 612 770 Date(s) Surveyed : 6 September 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Third Br u/s Owroe Br	4	4	4-5	4-5
0200	Owroe Br	4	4	4	4

Assessment: Continuing satisfactory despite the impoverished fauna at the lowermost location (0200) which is a function of the substrate type.

River and Code : **OWVANE (CORK)** **21/O/07**
Tributary of : Sea - Bantry Bay OS Catchment No: 226
OS Grid Ref : W 006 533 Date(s) Surveyed : 15 November 2000

No.	Location	Biological Quality Ratings (Q Values)			
		1987	1993	1997	2000
0200	Br SW of Cappaboy Br	5	4	4-5	4-5
0300	Br NE of Kealkill	4-5	4	4-5	4-5
0400	Pierson's Br (LHS)	4-5	4-5	4-5	4-5
0410	Pierson's Br (RHS)	4-5	4-5	4-5	3

Assessment: Continuing mostly satisfactory. However domestic sewage entering the river, from the right-hand side some 20 metres upstream of Pierson's Bridge (0410), was leading to moderately polluted conditions.

River and Code : **ROUGH TY** **21/R/01**
Tributary of : Sea - Kenmare Bay OS Catchment No: 217
OS Grid Ref : V 910 700 Date(s) Surveyed : 4 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1982	1986	1990	1993	1997	2000
0020	Br (Ford) near Knockanruddig	-	-	4-5	4	4-5	4-5
0060	Inchee Br (RHS)	-	-	4-5	4	4-5	4-5
0070	Inchee Br (LHS)	-	-	3	4	4-5	4-5
0100	Morley's Br	5	4-5	4-5	4-5	4-5	4-5
0250	Ford d/s Slaheny R confl	-	-	4	4	4	4
0350	Ford NW of Kilgortaree Ho	-	-	4	4	4	4

Assessment: Continuing satisfactory although some signs of enrichment were recorded downstream of Kilgarvan (0250 and 0350). No change.

River and Code : **SHEEN** **21/S/01**
Tributary of : Kenmare River OS Catchment No: 218
OS Grid Ref : V 924 702 Date(s) Surveyed : 3 October 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1987	1994	1997	2000
0100	Releagh Br	4	4-5	4-5	4-5
0400	Ford d/s Dromagorteen Br	4	4-5	4-5	4-5
0700	1.1km u/s Sheen Br	-	4	4	4

Assessment: Continuing satisfactory. No change.

River and Code : **SLAHENY** **21/S/02**
Tributary of : Roughty OS Catchment No: 217
OS Grid Ref : W 004 730 Date(s) Surveyed : 5 September 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1987	1994	1997	2000
0300	Ford NE of Shandrum	5	4-5	4-5	4-5
0500	Coolyard Br	4-5	4	4-5	4

Assessment: Continuing satisfactory. No significant change.

River and Code : **SNEEM** **21/S/03**
Tributary of : Kenmare River OS Catchment No: 214
OS Grid Ref : V 690 667 Date(s) Surveyed : 7 September 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br E of Dromtine Lough	-	4-5	4-5	4-5
0400 Br u/s Ardsheelhane R confl	4	4	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **TAHILLA** **21/T/01**
Tributary of : Sea - Coongar Harbour OS Catchment No: 13
OS Grid Ref : V 743 655 Date(s) Surveyed : 8 september 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0200 Tahilla Br	4-5	4-5	3

Assessment: Significant deterioration with sensitive faunal elements missing consistent with recent pollution event.

River and Code : **TRAFRASK STREAM** **21/T/03**
Tributary of : Sea - East of Adrigole Harbour OS Catchment No: f3
OS Grid Ref : V 848 494 Date(s) Surveyed : 5 October 2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0300 Trafrask Br	4-5	4-5	4-5

Assessment: Continuing satisfactory with no change apparent since first examined in 1994.

HYDROMETRIC AREA No. 27 (PART)

Shannon Estuary North

(Most rivers in this area were surveyed in 1998)

Ballynacally	27B04
Cloon	27C02
Crompaun West	27C05
# Doonaha	27D01
Moyarta	27M01
Owenslieve	27O02
Wood	27W01

Having seriously polluted stretch(es) at time of this survey

River and Code : **BALLYNACALLY** **27/B/04**
Tributary of : Sea - Fergus Estuary OS Catchment No: 158
OS Grid Ref : R 295 638 Date(s) Surveyed : 22-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)		
No.	Location	1988	1997	2000
0200	Upstream Br, Ballynacally	4	4	4-5

Assessment: An improvement in quality was noted in the Ballynacally in September 2000 vis a vis October 1997 when last surveyed.

River and Code : **CLOON (CLARE)** **27/C/02**
Tributary of : Sea - Shannon Estuary OS Catchment No: 155
OS Grid Ref : R 142 552 Date(s) Surveyed : 21-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)				
No.	Location	1986	1988	1991	1997	2000
0100	SE of Boloughra	-	-	4	4-5	4
0200	Croony Bridge	4	4	3	4-5	4
0400	New Bridge	4	4	4	4	4-5

Assessment: Satisfactory.

River and Code : **CROMPAUN (WEST)** **27/C/05**
Tributary of : Cloon (Clare) OS Catchment No: 155
OS Grid Ref : R 122 550 Date(s) Surveyed : 21-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1988	1991	1997	2000
Tarmon Lough Branch					
0200	Bridge d/s Tarmon Lough	3-4	3-4	-	-
0300	Br nr Bleanmore	-	-	4	3-4
Main Channel					
0900	Br NE Tullycreen Upper	-	4	-	3
1000	Tullycreen Br	-	-	3-4	3
1100	Bridge d/s Tullycreen Br	4	3-4	-	-
1200	Br nr Carroniska	-	-	3	4
1300	Aughanloge Bridge	3-4	3-4	-	Tidal

Continued

CROMPAUN (WEST) *Continued*

Assessment: The Crompaun (West) had deteriorated over most of its length in September 2000 (0300, 0900, 1100). An improvement in quality was noted, however, in the lowermost section at Carrowniska (1200) in comparison with October 1997. The river is affected by occasional saltwater intrusion at Aughanloge Bridge (1300).

River and Code : **DOONAHA** **27/D/01**
Tributary of : Sea - Shannon Estuary OS Catchment No: 155
OS Grid Ref : Q 893 533 Date(s) Surveyed : 20-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1985	1988	1991	1997	2000
0010	Bridge N of Furroor	-	3	3	2	2-3	2
0050	Br 0.5 km d/s Br SE of Furroor	3-4	2-3	3	1	3	3
0100	Bridge NE of Doonaha	4	2	3	1	3	3

Assessment: The upper Doonaha had deteriorated in quality once again in September 2000 and was classed as seriously polluted - perhaps primarily due to cattle access to this small stream. The lower section was again moderately polluted in 2000.

River and Code : **MOYARTA** **27/M/01**
Tributary of : Sea - Shannon Estuary OS Catchment No: 155
OS Grid Ref : Q 844 517 Date(s) Surveyed : 20-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1988	1991	1997	2000
0100	Bridge SW of Lissagreenaun	1-2	1	2-3	2-3
0150	NW of Rahona Lodge	1-2	2	2-3	2-3

Assessment: The Moyarta remained moderately polluted due to agricultural sources. No change in comparison with October 1997.

River and Code : **OWENSLIEVE** **27/O/02**
Tributary of : Sea - Fergus Estuary OS Catchment No: 158
OS Grid Ref : R 285 657 Date(s) Surveyed : 22-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
<i>Lissycasey Branch</i>				
0300 Br SW of Lissycasey	-	-	3-4	4
0400 Just u/s Main Channel confl	3-4	3-4	-	-
<i>Main Channel</i>				
0600 Br u/s Coolderron Bridge	4-5	4	4	4-5
0700 Coolderron Bridge	4	-	-	-
0800 Br d/s Coolderron Br	-	4	4	4
0900 Br u/s Ballycorrick Bridge	4	4	4	4

Assessment: The Lissycasey Branch of the Owenslieve (0300) had improved in quality in September 2000 in comparison with the survey in October 1997. The Main Channel remained in satisfactory condition.

River and Code : **WOOD** **27/W/01**
Tributary of : Sea - Shannon Estuary OS Catchment No: 155
OS Grid Ref : Q 991 546 Date(s) Surveyed : 20-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)									
	1971	1975	1979	1980	1985	1988	1991	1997	2000	
<i>Kilcarroll Branch</i>										
0020 Bridge S of Carrowfree	-	-	-	-	-	3	2-3	-	-	
0025 Br NE Kilcarroll	-	-	-	-	-	-	-	2	2-3	
0030 Bridge N.W. of Kilcarroll	-	-	-	-	-	3	1-2	-	-	
<i>Main Channel</i>										
0080 Br E of Ballykett Fair Grn	-	-	-	-	-	3	3	3	3	
0100 Bridge 1.5 km u/s Kilrush	4	4	4-5	3	3-4	3	3	3	3	
0200 Kilrush: 100 m u/s West Br	1	1	4	3-4	3	3-4	3	3	4	

Assessment: The Wood River was moderately polluted over most of its length (0025, 0080, 0100) when surveyed in September 2000. An improvement in quality was noted at the lowermost station in Kilrush (0200) in comparison with October 1997.

HYDROMETRIC AREA No. 28

Mal Bay

Aille (Clare)	28A01
Annageeragh	28A02
Annagh (Clare)	28A03
Aughaglanna	28A06
Aughaveema	28A04
Ballinphonta	28B03
Ballymacravan	28B02
Caher (Clare)	28C01
Cooleen	28C05
Creegh	28C02
Dealagh	28D01
Doonbeg	28D02
Freagh	28F01
Glendine (Clare)	28G02
Inagh	28I01
Kildeema	28K01
Kilmoon Stream ¹	28K03

¹ Kilmoon Stream not shown on the OS Catchment Map. Is not a baseline river.

River and Code : **AILLE (CLARE)** **28/A/01**
Tributary of : Sea - at Roadford OS Catchment No: 148
OS Grid Ref : R 065 964 Date(s) Surveyed : 23-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1980	1984	1986	1988	1991	1997	2000
0100 Bridge SW of Ballygastell	-	-	-	4	5	5	4
0200 Spectacle Bridge	3-4	2	3	3	2-3	2-3	2-3
0300 Drehidnalacken Bridge	3-4	3	3-4	3	3-4	-	2-3
0400 Bridge in Roadford	4	3-4	4	4	4	3-4	3

Assessment: A general deterioration in quality was recorded in the Aille River in August 2000. The uppermost station was satisfactory (0100) but all of the stations downstream of Lisdoonvarna were polluted. A new sewage treatment plant is under construction for Lisdoonvarna and it is hoped that this will result in an improvement in water quality in the Aille River.

River and Code : **ANNAGEERAGH** **28/A/02**
Tributary of : Sea - Lough O'Donnell OS Catchment No: 152
OS Grid Ref : R 005 710 Date(s) Surveyed : 25-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1980	1983	1988	1991	1997	2000
Main Channel						
0010 Br u/s Doo Lough	-	-	-	4-5	3-4	3-4
0050 Bridge u/s Moyglass Bridge	-	-	4-5	4	4	3-4
0200 Knocknahila Bridge	5	5	5	4-5	4-5	4-5
0300 Bridge u/s Lissyneillan Br	4	4	4-5	4-5	-	-
0400 Lissyneillan Bridge	-	-	4	4-5	4	4
North Branch						
0500 Sruhaunakit Bridge	-	-	5	-	-	3

Assessment: The Annageeragh River was again slightly polluted upstream of Doo Lough (0010): it is believed that this pollution, as evidenced by loss of some key pollution-sensitive species, is due to the extensive afforestation in the catchment. The Main Channel was impacted by effluent from a water treatment works below Doo Lough (0050) but it soon recovered and conditions were satisfactory at the remaining locations surveyed (0200, 0400). The North Branch (0500) was moderately polluted at Sruhaunakit Bridge in October 2000 – a major deterioration since last surveyed in 1988.

River and Code : **ANNAGH (CLARE)** **28/A/03**
Tributary of : Sea - Spanish Point OS Catchment No: 150
OS Grid Ref : R 036 773 Date(s) Surveyed : 25-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1988	1991	1997	2000
0200	Br ESE of Doonsallagh Ho	4	4	4	4-5
0400	Br at X-Roads N. of Mt Scott	4	4-5	4	4
0900	Bridge u/s Mouth of River	4-5	4-5	4-5	4

Assessment: Satisfactory at all sites examined.

River and Code : **AUGHAGLANNA** **28/A/06**
Tributary of : Inagh (Ennistymon) OS Catchment No: 149
OS Grid Ref : R 218 775 Date(s) Surveyed : 25-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1988	1991	1997	2000
0200	Bridge NW of Reanaglisha	4	4	4	4
0700	Bridge u/s Inagh river confl	4-5	4	5	4

Assessment: Satisfactory.

River and Code : **AUGHAVEEMA** **28/A/04**
Tributary of : Sea - S. of Lurga Point OS Catchment No: 151
OS Grid Ref : Q 998 724 Date(s) Surveyed : 25-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0300 Br d/s Br at Drehidnaraha	4	4-5	4	4
0600 Bridge d/s Kilmurry Bridge	4	3	4	3

Assessment: The upper Aughaveema (0300) was in a satisfactory condition when surveyed in October 2000, with no change since 1997. The lower station (0600) had deteriorated in quality quite significantly, however, with a loss of a number of key pollution-sensitive species. Agricultural pollution is the suspected cause of the deterioration observed.

River and Code : **BALLINPHONTA** **28/B/03**
Tributary of : Sea - N. of Spanish Point OS Catchment No: g4
OS Grid Ref : R 037 397 Date(s) Surveyed : 25-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0300 Bridge SW of Ballinphonta	4	3	4	4
0500 Cleedagh Bridge	4-5	3-4	3-4	4

Assessment: The Ballinphonta was satisfactory at both stations sampled in August 2000 with an improvement noted at the lower site (0500) in comparison with December 1997.

River and Code : **BALLYMACRAVAN** **28/B/02**
Tributary of : Inagh (Ennistymon) OS Catchment No: 149
OS Grid Ref : R 123 887 Date(s) Surveyed : 24-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0100 Br just d/s Lickeen Lough	3-4	3-4	3-4	Dry
0400 Calluragh Br	-	3	-	4

Assessment: The Ballymacravan was dry at the outflow point from Lickeen Lough (0100) when surveyed in August 2000. The lower section (0400) was in satisfactory condition.

River and Code : **CAHER (CLARE)** **28/C/01**
Tributary of : Sea - Black Head OS Catchment No: 147
OS Grid Ref : M 137 083 Date(s) Surveyed : 23-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0200 Bridge 2 km d/s Formoyle	5	5	5	5

Assessment: The Caher River retained its high quality in 2000. This Burren river is a remarkable hard water river with large populations of *Dinocras sp.* being particularly characteristic of the system. A scientific paper has been submitted to *Biology and the Environment* describing this unique river as part of a special issue on the Burren.

River and Code	: COOLEEN	28/C/05
Tributary of	: Carrowkeel	OS Catchment No: 149
OS Grid Ref	: R 129 924	Date(s) Surveyed : 24-Aug-00

Sampling Stations		Biological Quality Ratings (Q Values)		
No.	Location	1988	1991	2000
0300	Tooreen Bridge	4-5	5	3-4
0500	400 m u/s Carrowkeel River	4	4	4

Assessment: As indicated by its slightly polluted condition at Tooreen Bridge (0300) the upper Cooleen River had deteriorated significantly since 1991 when its quality was of the highest standard. The lower section (0500) continued satisfactory.

River and Code	: CREEGH	28/C/02
Tributary of	: Sea - Doughmore Bay	OS Catchment No: 153
OS Grid Ref	: Q 984 672	Date(s) Surveyed : 26-Oct-00

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1988	1991	1997	2000
North Branch					
0400	Bridge W of Benroe	4	4-5	4-5	4-5
South Branch					
0800	Cahermurphy Bridge	4	4	-	4-5
West Branch					
1100	Br u/s confl with Main Chan	4	4	-	4-5
Main Channel					
1300	Bridge W of Cloonwhite	3	4-5	4	4
1400	Bridge at Creegh	4	4	4	4
1700	Mountrivers Bridge	4-5	4	4	4

Assessment: The Creegh River continued to satisfactory at all points when surveyed in late October 2000.

River and Code : **DEALAGH** **28/D/01**
Tributary of : Sea - Inagh Estuary OS Catchment No: 149
OS Grid Ref : R 092 895 Date(s) Surveyed : 23-Aug-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1986	1988	1991	1997	2000
0040	Ballygoonaun Bridge	-	-	3-4	4	4	3
0100	Bridge SW of Lisdoony	5	4	3-4	4-5	-	-
0200	Bridge near Smithstown House	4	4-5	4	4-5	4	4
0300	Carrowduff Bridge	5	4-5	4	4-5	-	-
0350	Aughvackeen Br	-	-	-	-	4	3-4

Assessment: Following quality deteriorations in its upper (0040) and lower (0350) reaches the Dealagh River was in a generally unsatisfactory condition when surveyed in August 2000.

River and Code : **DOONBEG** **28/D/02**
Tributary of : Sea - Doonbeg Bay OS Catchment No: 154
OS Grid Ref : Q 966 660 Date(s) Surveyed : 24-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1971	1975	1979	1985	1988	1991	1997	2000
0100	Sorrel Island Bridge (South)	-	-	-	4	4	3-4	4	4
0300	Ballydunneen Bridge	-	-	-	-	4	4	4	4
0400	Goulbourne Bridge	-	-	4-5	3-4	4	4-5	-	4-5
0550	Br u/s Clooncullin Br	-	-	-	-	-	-	-	4
0600	Clooncullin Bridge	5	5	4-5	3-4	3-4	4	-	-
0650	Bridge in Cooraclare	-	-	-	-	4	4	4	4
0700	Bridge at Aughagarna	4	4-5	4-5	3-4	4	4	-	-
0725	Bridge N.E. of Lochnavar Ho	-	-	-	-	4	4	4	4-5
0750	Bridge near Mountrivers	-	-	-	-	4	-	-	-
0770	Br 1km d/s Br nr Mountrivers	-	-	-	-	-	-	4	4-5

Assessment: Water quality was satisfactory over the surveyed length of the Doonbeg River in October 2000 and quality had improved in the lower section since 1997.

River and Code : **FREAGH** **28/F/01**
Tributary of : Sea - near Freagh Island OS Catchment No: g4
OS Grid Ref : R 035 814 Date(s) Surveyed : 25-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0200 Bridge d/s Br E of Greenaun	3	3	4	3

Assessment: As indicated by the results of the August 2000 investigation water quality has reverted to its former unsatisfactory (moderately polluted) condition in the Freagh River.

River and Code : **GLENDINE (CLARE)** **28/G/02**
Tributary of : Annagh (Clare) OS Catchment No: 150
OS Grid Ref : R 047 371 Date(s) Surveyed : 25-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1980	1985	1988	1991	1997	2000
South Branch						
0080 Second Bridge u/s Honan's Br	-	-	4	4	3	4
0100 Honan's Bridge	5	5	4-5	4-5	-	-
Main Channel						
0200 Knockloskeraun Bridge	5	5	4-5	4-5	4	5

Assessment: The Glendine River had improved in quality which was assessed as satisfactory at both of the locations sampled in October 2000.

River and Code : **INAGH (ENNISTYMON)** **28/I/01**
Tributary of : Sea - Liscannor Bay OS Catchment No: 149
OS Grid Ref : R 085 888 Date(s) Surveyed : 25-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1971	1975	1979	1985	1988	1991	1997	2000
0100 Crow's Bridge	-	-	5	5	4-5	4-5	5	4-5
0200 Bridge at Inagh	5	5	5	5	4-5	4	4	4
0300 Moananagh Bridge	5	4-5	4-5	4-5	4	4	4	4
0400 At Old Mill- u/s Ennistymon	5	4-5	4-5	4-5	4-5	4-5	-	-
0450 100m u/s Ennistymon Br	-	-	-	-	-	-	4	3

Assessment: Despite a slight reduction in Q value at Crow's Bridge the Inagh river was in a satisfactory condition over most of its length in August 2000. Sensitive species were not observed at Ennistymon (0450), however, indicating a significant deterioration there since 1997. An oil slick was observed and a smell of diesel was noticed here at the time of this survey in August 2000.

River and Code : **KILDEEMA** **28/K/01**
Tributary of : Annagh (Clare) OS Catchment No: 150
OS Grid Ref : R 050 762 Date(s) Surveyed : 25-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1988	1991	1997	2000
0500 Doonsallagh Bridge	4-5	4-5	4	4
0800 Bridge u/s Annagh River	4-5	4-5	4	4

Assessment: Satisfactory, no change.

River and Code : **KILMOON STREAM*** **28/K/03**
Tributary of : Aille (Clare) OS Catchment No: 148
OS Grid Ref : R 129 924 Date(s) Surveyed : 24-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1988	1991	2000
0500 150 m d/s Br in Lisdoonvarna	1	1-2	2-3/0

Assessment: The Kilmoon Stream flows through Lisdoonvarna and was found to be polluted, with indications of toxicity, when surveyed in August 2000.

HYDROMETRIC AREA No. 29.
Galway Bay South East

Ballymabilla	29B03
Beagh	29B02
Boleyneendorrish	29B04
Cannahowna	29C01
Carra Stream	29C03
Clarinbridge	29C02
Kilcolgan	29K01
Knocknarebana	29K04
Owendalulleegh	29O01
Raford	29R01
Toberdoney	29T01

River and Code : **BALLYMABILLA** **29/B/03**
Tributary of : Raford OS Catchment No: 145
OS Grid Ref : M 649 274 Date(s) Surveyed : 16-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0200 Br d/s Br S.W. of Ashbrook Ho	4	-	-	4
0300 Bellafa Bridge	2-3	3	4	3-4

Assessment: The upper Ballymabilla (0200) was satisfactory but the lower station had deteriorated since 1997 and was slightly polluted in mid October 2000.

River and Code : **BEAGH** **29/B/02**
Tributary of : Goes underground - Cannahowna OS Catchment No: 146
OS Grid Ref : M 455 001 Date(s) Surveyed : 01-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 1.5 km d/s Lough Cutra	4-5	4-5	4	4

Assessment: No change in the River Beagh downstream of Lough Cutra when sampled in early November 2000.

River and Code : **BOLEYNEENDORRISH** **29/B/04**
Tributary of : (Goes underground) OS Catchment No: 146
OS Grid Ref : M 479 047 Date(s) Surveyed : 01-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Ford W. of Pollboy	5	-	5	4-5
0200 Bridge N. of Hollymount	5	5	-	-
0300 Br N of Doonally West	-	-	5	5
0400 Br W.N.W. of Doonally West	5	4-5	-	4-5
0800 Ford N. of Streamstown	5	4	4	4

Assessment: All sites on the Boleynedorish were again satisfactory in 2000.

River and Code : **CANNAHOWNA** **29/C/01**
Tributary of : (Goes underground) OS Catchment No: 146
OS Grid Ref : M 452 018 Date(s) Surveyed : 27-Nov-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1985	1989	1994	1997	2000
0100	Bridge in Gort	5	4	4	4	-	4
0200	At Old Mill N. of Gort	3-4	4	3	3-4	4-5	4

Assessment: The Cannahowna, which flows through Gort, was satisfactory at both sites examined. The upper station, in Gort itself (0100), had a very high taxonomic diversity. The lower site (0200), upstream of where the river goes underground, was satisfactory.

River and Code : **CARRA STREAM** **29/C/03**
Tributary of : Toberdoney OS Catchment No: 145
OS Grid Ref : M 553 214 Date(s) Surveyed : 2-Nov-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
<i>Lecarrow Branch</i>					
0600	Br near Lackafinna Castle	4-5	4	-	4
<i>Main Channel</i>					
0900	Br W of Cloonmain	-	-	3-4	3
1000	Carra Bridge	3-4	4	-	3
1700	Bridge E.S.E. of Dunsandle	4	4	-	4
2000	Bridge u/s Toberdoney River	4-5	3-4	-	4

Assessment: The Lecarrow Branch of the Carra Stream was satisfactory (0600). Moderate pollution was noted, however, on the upper section of the main channel (0900, 1000) and satisfactory conditions in the lower section (1700, 2000) upstream of the Kilcolgan River.

River and Code : **CLARINBRIDGE** **29/C/02**
Tributary of : Sea - Galway Bay OS Catchment No: 144
OS Grid Ref : M 413 200 Date(s) Surveyed : 16-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1980	1982	1984	1986	1989	1994	1997	2000
0040	Bridge N. of Ballyboggan	-	-	-	-	3	4	4	4
0050	Bridge 1.6 km u/s Athenry	4	4-5	4	4-5	4	-	4	3
0300	Br N.W. of Castle Turvin	2	2	1-2	2-3	3-4	4	2-3	2-3
0400	Whistle Bridge	3	-	-	3	3-4	-	3	3
0450	Bridge W. of Lavally	3	-	-	3	-	-	4	4
0500	Clarinbridge	3	3	2	3-4	3	2-3	3	3

Assessment: The upper reaches of the Clarinbridge River (0040) remained in a satisfactory condition but a significant deterioration in quality was recorded upstream of Athenry (0050) and the very marked pollution below this town (0300, 0400) and also in Clarinbridge (0500) continued in October 2000. The river occasionally dries out at Station 0450 and it can be difficult to assess accurately due to the restricted fauna present.

River and Code : **KILCOLGAN** **29/K/01**
Tributary of : Sea - Dunbulvaun Bay OS Catchment No: 145
OS Grid Ref : M 417 184 Date(s) Surveyed : 20-Nov-00

Stations No.	Biological Quality Ratings (Q Values)									
	1971	1973	1977	1980	1983	1986	1989	1994	1997	2000
0100	4	-	-	3-4	3-4	3-4	3	-	-	3
0200	4	4	3	3	3	3	4	4	2	2-3
0300	4-5	-	-	4	4	4	4	-	3-4	4
0400	4-5	5	4	4	4	4	4	4	3	4
0500	-	-	-	4	-	-	3-4	4	3-4	3-4
0600	-	-	-	4	-	-	-	3-4	3	3-4

Sampling Station No.	Location	Sampling Station No.	Location
0100	Br nr White Mill, N. of Loughrea*	0400	Old Road Bridge, Craughwell
0200	Killilan Bridge	0500	Bridge u/s Dunkellin Bridge
0300	Bridge at Strongfort Lodge	0600	Dunkellin Bridge

Assessment: While its uppermost reaches (0100) continued to be moderately polluted, quality improvements were recorded at most of the other locations surveyed on the Kilcolgan (or

Dunkellin) River in November 2000. Although still far from satisfactory the stretch below Loughrea (0200) was no longer seriously polluted and, following improvements at Strongfort and Craughwell (0300, 0400), satisfactory conditions were restored to the middle section of the river. The lower section (0500, 0600) was slightly polluted in November 2000. These stations are downstream of Rahasane Turlough, where cattle graze during the summer when water levels drop. It is believed that a certain amount of pollution occurs when water levels rise washing dung off the grass and into the river.

River and Code : **KNOCKNAREBANA** **29/K/04**
 Tributary of : Owendalulleegh OS Catchment No: 146
 OS Grid Ref : R 556 990 Date(s) Surveyed : 27-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0100 Br W of Tooravoola	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **OWENDALULLEEGH** **29/O/01**
 Tributary of : Lough Cutra OS Catchment No: 146
 OS Grid Ref : R 478 976 Date(s) Surveyed : 27-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1989	1990	1994	1997	2000
0500 Ford at Tooraglassa	5	-	4-5	4-5	4-5
0700 Ford at Inchamore	-	-	4-5	4-5	5
0800 Ford E. of Chevy Chase Cott	5	-	-	-	5
0900 Ford at Derreen	-	4-5	4-5	4-5	5
1000 Ford u/s Lough Cutra	-	5	4-5	4-5	4-5

Assessment: The Owendalulleegh River was of high quality over its length in October 2000.

River and Code : **RAFORD** **29/R/01**
Tributary of : Kilcolgan OS Catchment No: 145
OS Grid Ref : M 522 200 Date(s) Surveyed : 03-Nov-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1981	1985	1990	1994	1997	2000
0100	Bridge N. of Derrynamanagh	4	4	4	4	4	4
0150	Bridge E. of Riverview Ho	3-4	3-4	4-5	3-4	4	4
0200	Raford Bridge	4-5	4	3-4	3-4	4	3-4
0400	Rathgorgin Bridge	4	4	3-4	4	3-4	3-4

Assessment: The upper reaches of the Raford River (0100, 0200) remained in a satisfactory quality condition but a slight deterioration was recorded at Raford Bridge (0200) in early November 2000 and the lowermost station sampled (0400) was again slightly polluted. The river below Rathgorgin Bridge (0400) dries out in summer and so it is not suitable for biological assessment.

River and Code : **TOBERDONEY** **29/T/01**
Tributary of : Kilcolgan OS Catchment No: 145
OS Grid Ref : M 553 215 Date(s) Surveyed : 2-Nov-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1994	1997	2000
0300	Ballykeeran Bridge	4	3	-	3
0500	Bridge W. of Dunsandle	4	-	4-5	4-5

Assessment: The Toberdoney was moderately polluted at Station 0300 but satisfactory near Dunsandle (0500).

HYDROMETRIC AREA No. 30

Corrib

Abbert	30A01
Aghinish	30A03
Aille (Mayo)	30A02
Ballindine	30B03
Bealanabrack	30B01
Black (Shrule)	30B02
Bunowen (Oughterard)	30B08
Cammanagh	30C04
Clare	30C01
Claureen (Mayo)	30C02
Cloondaver Stream North	30C09
Cloonfad	30C11
Cong Canal	30C06
Corrib	30C02
Cregg	30C03
Dalغان	30D01
Dooghta	30D02
Drimneen	30D03
Failmore	30F01
Finny	30F03
Foey	30F02
Glensaul	30G01
Grange (Galway)	30G02
Joyce's	30J01
Knockauranny Stream	30K02
Loughkip	30L01
Lough Nacorraclea Stream	30L03
Nanny (Tuam)	30N01
Owenbrin	30O01
Owenriff (Corrib)	30O02
Owenwee (Corrib)	30O03
Robe	30R01
Scardaun	30S04
Sinking	30S01
Srahnalong	30S03
Terryland	30T01
Tullaghaun	30T03

River and Code : **ABBERT** **30/A/01**
Tributary of : Clare (Galway) OS Catchment No: 143
OS Grid Ref : M 415 483 Date(s) Surveyed : 26-Jul-2000

Sampling Stations Biological Quality Ratings (Q Values)
No. Location **1971 1977 1981 1985 1987 1989 1994 1997 2000**

Glennamucka Branch

0015 Bridge d/s Trib from L Doo - - - - - 4 4 **3-4 3**

Main Channel

0028 400 m u/s Br S Ballyglass Ho - - - - - 4 **3-4**
0050 Bridge at Bauvin - - 4-5 4 4 **3-4** - - -
0070 Br NE of Newcastle - - - - - 4 4 **3-4**
0100 Killaclogher Bridge - - 4-5 5 4 4 4 4 4
0200 Abbert Bridge - - **3-4** 4 **3-4** 4 4 4 4
0300 Bridge u/s Abbey Bridge - 4-5 4 4 4 4 4 **3-4 3**
0400 Pallas Bridge - - 4-5 4 4 4 4 4 4
0500 Bridge at Bullaun 4-5 4-5 5 **3-4** 4 4 4 4 **3**

Assessment: A general deterioration was noted in the Abbert River in 2000. The Glennamucka Branch was moderately polluted at Station 0015 and the upper Main Channel was slightly polluted at Stations 0028 and 0070; algal growth was quite intense indicating eutrophication as a problem at the latter location while at Station 0028 cattle access caused bank erosion and siltation of the river bed. In the summer months flows in the upper river can be much reduced as the river goes partially underground at Station 0070. The mid section (0100, 0200) continued to be satisfactory in July 2000 but the lower reaches were of poorer quality than in 1997 at two of the three stations surveyed (0300,0500).

River and Code : **AGHINISH** **30/A/03**
Tributary of : Lough Mask OS Catchment No: 143
OS Grid Ref : M 155 672 Date(s) Surveyed : 14-Jul-2000

Sampling Stations Biological Quality Ratings (Q Values)
No. Location **1985 1989 1994 1996 2000**

0100 Keel Bridge 4 4-5 4 4-5 4

Assessment: The Aighinish River is the main outflow from Lough Carra. It flows into Lough Mask. Quality was satisfactory in August 2000.

River and Code	: AILLE (MAYO)	30/A/02
Tributary of	: Lough Mask	OS Catchment No: 143
OS Grid Ref	: M 136 727	Date(s) Surveyed : 17-Jul-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1984	1989	1993	1996	2000
0010	Bridge S.E. of Croaghribeg	3-4	4-5	4-5	3	4-5	3-4
0050	Bridge S. of Tonlegee	5	4-5	5	4	4	4-5
0060	Near Mill u/s Aille Caves	-	-	-	4	4	4-5
0100	Bridge S. of Killawullaun	4	4-5	4-5	4-5	-	-
0110	Br NW of Claureen	-	-	-	-	4-5	5
0200	Bridge W. of Cartronbower	-	5	4-5	4-5	-	-
0250	Bridge u/s Cloon Lough	-	-	5	4-5	4	4-5
0300	Bridge d/s Cloon Lough	4	4	4-5	4-5	-	-
0400	Bridge u/s Lough Mask	-	4	-	-	4	4

Assessment: The Aille River was slightly polluted in its upper reaches (0010) with a loss of *Perla* and other taxa since the 1996 survey. The remainder of the river was in satisfactory condition with improvements in quality noted at most stations in July 2000. This is an important tributary of Lough Mask.

River and Code	: BALLINDINE	30/B/03
Tributary of	: Robe	OS Catchment No: 143
OS Grid Ref	: M 349 709	Date(s) Surveyed : 13-Jul-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1979	1986	1989	1994	1996	2000
0100	Ballindine Bridge	-	3-4	3	3	1-2	2-3
0200	Bridge u/s Robe River confl	3	3-4	2-3	2-3	2-3	3-4

Assessment: The upper section of this stream was still moderately polluted in Ballindine village in July 2000 with continuing signs of agricultural runoff as well as some localised urban effluents. An improvement was noted, however, in comparison with October 1996 when last sampled. The lower section (downstream of Ballindine sewage treatment works) had improved significantly (0200) but is still being slightly polluted.

River and Code : **BALLYCUIRKE¹** **30/B/14**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 241 332 Date(s) Surveyed : 21-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0100 Railway Br d/s Ballycurke Lough	3-4	3-4	3	3

Assessment: The Ballycurke River remains moderately polluted by the highly eutrophic outflow from Ballycurke Lake.

River and Code : **BEALANABRACK** **30/B/01**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : L 975 522 Date(s) Surveyed : 18-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1982	1985	1989	1994	1996	2000
0100 Bridge u/s Joyce's River	5	5	5	4-5	4-5	4-5
0200 Maam Bridge	5	-	5	4	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **BLACK (SHRULE)** **30/B/02**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 198 578 Date(s) Surveyed : 6-Oct-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1977	1980	1984	1989	1994	1997	2000
0100 Bridge at Kilshanvy	-	3-4	3-4	3-4	3-4	4	3-4
0200 Bridge in Shrule	4-5	4-5	4	4-5	4-5	4-5	4
0300 Br 2.5 km N.W. of Headford	4-5	4-5	3	3-4	3-4	4	4
0500 Second Bridge u/s L Corrib	5	5	4	4-5	-	-	-
0600 First Bridge u/s L Corrib	-	-	4	4	4	-	4

Assessment: The upper reaches of the Black River are affected by groundwater intrusion at Kilshanvy ((0100) where a slight deterioration in quality was recorded in early October 2000. With the exception of a slight quality reduction at Shrule (0200) the middle and lower reaches remained continued to be in a satisfactory condition.

River and Code : **BUNOWEN (OUGHTERARD)** **30/B/08**
Tributary of : Lough Ateeaun OS Catchment No: 143
OS Grid Ref : M 090 414 Date(s) Surveyed : 28-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1997	2000
0100 Glengowla Bridge	4-5	4-5	4	3-4

Assessment: A further reduction was recorded in the quality of the Bunowen River which was assessed as slightly polluted in August 2000. Significant quantities of peat silt were released when the gravel substratum was disturbed by the sampling procedure: this may be related to forestry developments in the catchment.

River and Code : **CAMMANAGH** **30/C/04**
Tributary of : Lough Mask OS Catchment No: 143
OS Grid Ref : L 996 568 Date(s) Surveyed : 17-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1985	1989	1994	1996	2000
0100 Bridge u/s Lough Mask	5	5	4-5	5	4

Assessment: The Cammanagh River was sampled shortly after a major flood event, which damaged the bridge upstream of Lough Mask (0100). The fauna was quite sparse but, as a number of sensitive species were found, quality was assessed as satisfactory.

River and Code : **CLARE (GALWAY)**

30/C/01

Tributary of : Lough Corrib

OS Catchment No: 143

OS Grid Ref : M 303 314

Date(s) Surveyed : 24-Jul-2000

Stations No.	Biological Quality Ratings (Q Values)												
	1971	1973	1975	1977	1979	1980	1982	1985	1989	1993	1994	1996	2000
0100	4-5	4	-	4	-	4	-	3-4	4	3	-	3-4	3-4
0200	4-5	5	-	4	-	4	-	4	3-4	3	-	-	-
0300	-	-	-	-	-	5	-	4	4	3-4	-	3	4
0500	5	5	4	4	-	4-5	-	4	4	4	-	3	4
0650	3	3	3-4	4	4	3-4	3	3	2-3	3	-	3	4
0700	3-4	3	3-4	4	4	4	4	3	3-4	3	-	3	3-4
0800	4	4	4	4	4	4	3-4	4	3-4	3	3-4	4	3
0900	-	-	-	-	-	4	3-4	3-4	3-4	3-4	-	3-4	4
1000	-	-	-	-	-	-	-	-	4	4	-	3	4
1100	-	-	-	-	-	4	-	3-4	4	3-4	-	3-4	3
1200	4	-	-	5	-	-	-	3-4	4	3	-	3	3-4
1300	-	-	-	-	-	4	-	4	4	4	-	4	4

Sampling Station

No.	Location
0100	Br 1.5 km u/s Milltown
0200	Liskeevy Bridge
0300	Fartamore Bridge
0500	Ballygaddy Bridge
0650	100 m d/s Weir Br (LHS)
0700	Killelaun Bridge

Sampling Station

No.	Location
0800	Corrofin Bridge
0900	Br W. of Dawros House
1000	Br SW of Turloughmore
1100	Cregmore Bridge
1200	Claregalway Bridge
1300	Curraghmore Bridge

Assessment: A general improvement in water quality was recorded in the Clare River in July 2000. Since 1996 moderate pollution had fully abated and satisfactory conditions have been restored at four locations (0300, 0500, 0650 and 1000) with lesser improvements evident at a further two (0700, 1200). Quality remained unchanged at two locations (0100, 1300) but deteriorations were recorded at two (0800, 1100).

Although the upper river (0100) continued to be eutrophic, marked improvements were recorded in the reach upstream of Tuam at Fartamore (0300) and Ballygaddy (0500) bridges: this is attributed to EPA's IPC licensing regime at the Ballyhaunis meat plant which has resulted in considerable improvements in the Dalgan River, a major upstream tributary. The substantial improvement below Tuam (0650) is thought to be due, at least in part, to the introduction of phosphorus reduction at the sewage works there leading to a significant reduction in ortho-phosphate levels in the river below the discharge. Considerable pollution abatement was also recorded at Turloughmore (1000) while lesser improvements were evident at Killelaun (0700) and Claregalway (1200).

By contrast deteriorations at Corrofin (0800) and Cregmore (1100) have resulted in both of these locations being classed as moderately polluted: this level of pollution had been recorded at Corrofin previously (in 1993) but not at Cregmore.

River and Code : **CLAUREEN (MAYO)** **30/C/12**
Tributary of : Aille (Mayo) OS Catchment No: 143
OS Grid Ref : M 134 794 Date(s) Surveyed : 22-Aug-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1996	2000
0400	Bridge in Ballyhean	3	3-4	2-3	3
0700	Claureen Bridge	4-5	4	4	4

Assessment: The Claureen had improved slightly in Ballyhean (0400) but was still moderately polluted there. The lower section (0700) was in satisfactory condition in August 2000.

River and Code : **CLOONDAVER STREAM (NORTH)** **30/C/09**
Tributary of : Lough Carra OS Catchment No: 143
OS Grid Ref : M 200 727 Date(s) Surveyed : 6-Oct-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1985	1989	1993	1996	2000
0100	Mullingar Bridge	3-4	3-4	4	3	3-4
0200	Bridge NE of Cloondaver	4-5	4	4-5	3-4	4

Assessment: Following improvements at both locations surveyed this important tributary of Lough Carra was slightly polluted in its upper reaches (0100) but it had recovered to a satisfactory condition by the time it reached the lake (0200) in early October 2000. This is one of the relatively few trout spawning and nursery streams flowing into Lough Carra and it is vital that its quality be maintained at a satisfactory level.

River and Code : **CLOONFAD** **30/C/11**
Tributary of : Dalgan OS Catchment No: 143
OS Grid Ref : M 477 721 Date(s) Surveyed : 16-Aug-2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1989	1994	1996	2000
0110	Bridge E. of Cloonfad	4	4	4	4
0300	Blackford Bridge	2-3	3-4	3	3

Assessment: The quality profile of the Cloonfad River had not changed since the previous survey in 1996. The upper section (0110) continued to be satisfactory where surveyed, while the lower portion (0300) was again considerably polluted downstream of the Cloonfad sewage treatment works.

River and Code : **CONG CANAL** **30/C/06**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 149 545 Date(s) Surveyed : 18-Aug-2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1989	1994	1997	2000
0200	Br N.W. of Strandhill House (in Co	4	4	-	-
0250	Br at old Church in Cong	-	-	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **CORRIB** **30/C/02**
Tributary of : Sea - Galway Bay OS Catchment No: 143
OS Grid Ref : M 300 246 Date(s) Surveyed : 27-Nov-2000

Sampling Stations		Biological Quality Ratings (Q Values)				
No.	Location	1985	1989	1994	1997	2000
0600	Salmon Weir Bridge- Galway	4	4	4	4	4

Assessment: Satisfactory. No change.

River and Code : **CREGG** **30/C/03**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 297 341 Date(s) Surveyed : 24-Jul-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1981	1985	1989	1993	1996	2000
0050	Bridge near Auclogheen	5	5	4	4-5	-	-
0100	Bridge near Drumgriffin	5	4	4	4	4	4
0200	Bridge S. of Addergoole	4	4	4	4	4-5	4

Assessment: Satisfactory.

River and Code : **DALGAN** **30/D/01**
Tributary of : Clare (Galway) OS Catchment No: 143
OS Grid Ref : M 432 638 Date(s) Surveyed : 16-Aug-2000

Stations No.	Biological Quality Ratings (Q Values)											
	1979	1981	1983	1985	1987	1988	1989	1990	1991	1994	1996	2000
0100	4-5	4	4	4	4	4	4	-	-	4	3-4	4
0200	1	1	1	1-2	1	1-2	1-2	1/0	1	1-2	1-2	2-3
0300	4	3	3	-	2	2-3	3	-	-	3	2-3	3
0400	4	4	3-4	3	2-3	3	3-4	-	-	3	3	3
0500	4	4	3-4	3	3	3-4	3	-	-	3-4	3-4	4
0600	4	4	3-4	3-4	3	3-4	4	-	-	3-4	3-4	3

Sampling Station		Sampling Station	
No.	Location	No.	Location
0100	Ballyhaunis Bridge	0400	Culnacledha Bridge
0200	2 km SW of Ballyhaunis	0500	Doonmacreena Bridge
0300	Br N. of Ballynastockagh	0600	Dalgin Bridge

Assessment: Quality improvements were recorded at four of the six locations surveyed on the Dalgan River in August 2000. Despite the large quantities of domestic refuse in the river at Ballyhaunis Bridge (0100) the water quality had improved to a satisfactory level but the most striking improvement was at Station 0200 below the town where the serious pollution, on record since 1979, finally showed signs of abating. The substantial improvement recorded here is due to the fact that the prime suspect in this case, a large meat processing plant, has recently become an Integrated Pollution Control (IPC) licensed facility and is in the process of reducing its discharges of strongly polluting organic matter. The reductions achieved have also led to substantial improvements in the upper reaches of the Clare River (into which the Dalgan flows) and further improvements are expected as the IPC process develops. The river continues to be affected by

mineralised (i.e., well treated) industrial and municipal wastes from Ballyhaunis, but also by pollutants from agricultural sources in the catchment generally. The deterioration at Dalgin Bridge in particular (0600) is likely to be due to sources other than at Ballyhaunis which is some 20 km upstream of this point.

River and Code : **DOOGHTA** **30/D/02**
 Tributary of : Lough Corrib OS Catchment No: 143
 OS Grid Ref : M 057 520 Date(s) Surveyed : 18-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1985	1989	1994	1997	2000
0100 Ford to W. of Dooghta	5	4-5	5	4-5	4-5
0200 Bridge u/s Lough Corrib	5	5	4	4	4-5

Assessment: Continuing satisfactory.

River and Code : **DRIMNEEN** **30/D/03**
 Tributary of : Lough Corrib OS Catchment No: 143
 OS Grid Ref : M 157 419 Date(s) Surveyed : 21-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1993	1997	2000
0400 Bridge E. of Carrowndulla	5	4	-	-
0600 Natural Bridge	4-5	4-5	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **FAILMORE** **30/F/01**
 Tributary of : Bealanabrack OS Catchment No: 143
 OS Grid Ref : L 974 522 Date(s) Surveyed : 28-Aug-2000

No.	Location	Biological Quality Ratings (Q Values)					
		1982	1985	1989	1994	1996	2000
0100	Teernakill Bridge	5	5	5	5	5	4-5

Assessment: Satisfactory but not as good as in 1996. Significant quantities of filamentous algae were noted at Teernakill Bridge (0100).

River and Code : **FINNY** **30/F/03**
 Tributary of : Lough Mask OS Catchment No: 143
 OS Grid Ref : M 018 582 Date(s) Surveyed : 17-Aug-2000

No.	Location	Biological Quality Ratings (Q Values)					
		1985	1989	1993	1996	2000	
0100	S.W. of Finny		5	5	4	4-5	4-5

Assessment: Satisfactory. No change.

River and Code : **FOOEY** **30/F/02**
 Tributary of : Lough Nafuoey OS Catchment No: 143
 OS Grid Ref : L 953 596 Date(s) Surveyed : 17-Aug-2000

No.	Location	Biological Quality Ratings (Q Values)					
		1985	1989	1994	1996	2000	
0100	Bridge u/s Lough Nafuoey		5	5	4	5	4-5

Assessment: Satisfactory. Slight reduction in quality index since 1996.

River and Code	: GLENSAUL	30/G/01
Tributary of	: Lough Mask	OS Catchment No: 143
OS Grid Ref	: M 106 678	Date(s) Surveyed : 17-Jul-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1980	1984	1989	1993	1996	2000
0010	S of Garaanagerra (roadside)	-	-	-	-	3-4	3-4
0200	Bridge in Tourmakeady	5	5	5	4-5	4-5	4-5

Assessment: The upper Glensaul (0010) continued to be slightly polluted but, as in 1996 a good recovery was evident at Tourmakeady (0200) upstream of Lough Mask.

River and Code	: GRANGE (GALWAY)	30/G/02
Tributary of	: Clare (Galway)	OS Catchment No: 143
OS Grid Ref	: M 430 450	Date(s) Surveyed :

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1971	1977	1980	1985	1989	1994	1997	2000
		Levally Branch							
0100	Bridge near Levally	-	-	4	4	3	4	4	3-4
		Main Channel							
0120	Cloonkeen Bridge	-	-	-	-	4	4	4	3
0200	Bridge near Cloondahamper	-	-	3	4	4	3-4	4	4
0300	Ford N.N.W. of Cornacartan	-	-	5	4	4	3-4	3	4
0400	Grange Bridge	-	-	4	4-5	4-5	3-4	3	3-4
0500	Cahergal Bridge	-	-	4	4	4	3	3-4	4
0600	Ballinderry Bridge	5	4-5	5	4	4	4	4	4

Assessment: The Levally Branch (0100) and the upper Main Channel (0120) of the Grange River were respectively slightly and moderately polluted in July 2000, a deterioration since 1997 but elsewhere water quality had either improved (at 0300, 0400 and 0500) or remained satisfactory (at 0600). Siltation was quite marked in the middle section (0200, 0300) of this eutrophic, hard water river.

River and Code : **HEADFORD STREAM¹** **30/H/01**
 Tributary of : Lough Corrib OS Catchment No: 143
 OS Grid Ref : M 262 435 Date(s) Surveyed :

No.	Location	Biological Quality Ratings (Q Values)							
		1979	1981	1983	1985	1989	1993	1997	2000
0300	Bridge u/s Lough Corrib	3-4	3-4	3	3	3	3-4	3-4	3-4

Assessment: Although continuing slightly polluted the improvement noted in the Headford Stream in 1995 has been maintained.

River and Code : **JOYCE'S** **30/J/01**
 Tributary of : Bealanabrack OS Catchment No: 143
 OS Grid Ref : L 930 548 Date(s) Surveyed : 18-Aug-2000

No.	Location	Biological Quality Ratings (Q Values)				
		1982	1989	1994	1996	2000
0100	Ford W.N.W. of Griggins	5	5	4	-	4
0200	Br u/s Bealanabrack River	-	5	4	4	4

Assessment: Satisfactory but not as good as expected especially in the upper portion (0100).

River and Code : **KNOCKAUNRANNY STREAM** **30/K/02**
 Tributary of : Ross Lake OS Catchment No: 143
 OS Grid Ref : M 197 357 Date(s) Surveyed : 21-Aug-2000

No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1997	2000
0100	Bridge u/s Ross Lake	5	4-5	4	-
0200	Br u/s Ross Lake (side road)	-	-	-	4-5

Assessment: Continuing satisfactory.

River and Code : **LOUGHKIP** **30/L/01**
Tributary of : Ballycurke Lough OS Catchment No: 143
OS Grid Ref : M 241 333 Date(s) Surveyed : 21-Aug-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1985	1989	1993	1997	2000
0100	Laughil Bridge	-	4	4	4	4
0200	Bridge u/s Ballycurke Lough	4-5	5	4	4-5	4-5

Assessment: Continuing satisfactory at both locations surveyed despite the significant quantities of peat silt in the river at Laughil Bridge (0100) where sensitive invertebrates were present in considerable numbers.

River and Code : **LOUGH NACORRALEA STREAM** **30/L/03**
Tributary of : Aille (Mayo) OS Catchment No: 143
OS Grid Ref : M 139 737 Date(s) Surveyed : 22-Aug-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1989	1993	1996	2000
0400	Bridge E. of Cloonee	4	4	4-5	3-4

Assessment: Following a significant deterioration the lower reaches of the Lough Nacorralea Stream were assessed as slightly polluted in August 2000.

River and Code : **NANNY (TUAM)** **30/N/01**
Tributary of : Clare (Galway) OS Catchment No: 143
OS Grid Ref : M 418 529 Date(s) Surveyed : 28-Jul-2000

Stations No.	Biological Quality Ratings (Q Values)												
	1971	1973	1975	1979	1981	1983	1987	1989	1990	1991	1994	1997	2000
0100	-	-	-	-	5	5	4	3	-	-	4	-	4-5
0300	2	1-2	1	1	1	1	1	1	1	1	2-3	4	4

Sampling Station
No. Location
0100 Bridge S. of Oakmount
0300 u/s Weir Bridge

Assessment: The Nanny (Tuam) maintained its satisfactory status in 2000. The Weir Bridge site (0300) had been seriously polluted from 1971 to 1994 when the new Tuam sewage treatment works began operation. A moderate improvement was first seen in July 1994 with a major improvement by 1997, when next surveyed biologically, and this has been maintained in 2000.

River and Code : **OWENBRIN** **30/O/01**
Tributary of : Lough Mask OS Catchment No: 143
OS Grid Ref : M 058 626 Date(s) Surveyed : 17-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1985	1989	1993	1996	2000
0050 Bridge NE of Barnahowna (442' bm)	-	5	3*	3-4	4
0200 Bridge u/s Lough Mask	5	4*	3*	3	3

Assessment: Following further improvement since 1996 the upper reaches of the remote Owenbrin River (0050) were assessed as satisfactory in August 2000. Although not as numerous as in the late 1980's sensitive species were present there but none were found at the lower station (0200) where taxa as *Perla* and *Ecdyonurus* were formerly recorded.

River and Code : **OWENRIFF (CORRIB)** **30/O/02**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 130 435 Date(s) Surveyed : 28-Aug-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1971	1973	1977	1981	1985	1989	1994	1997	2000
0070	1 km d/s Lough Agraftard	-	-	-	-	-	4	4	4	4
0100	1 km u/s Oughterard Bridge	4-5	4	4	5	4	4-5	4	4	4
0190	Bridge u/s Lough Corrib	4	4	4-5	4-5	4	3-4	3-4	3-4	4-5

Assessment: Following an improvement since 1997 in Oughterard (0190) the Owenriff River was in a satisfactory condition at all stations surveyed in August 2000..

River and Code : **OWENWEE (CORRIB)** **30/O/03**
Tributary of : Lough Corrib OS Catchment No: 143
OS Grid Ref : M 014 484 Date(s) Surveyed : 28-Aug-2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1985	1989	1994	1997	2000
0100	Bridge S.E. of Bofin Lodge	4-5	4-5	-	-	-
0180	200 m d/s Tawnaghbeg Lough	-	4	4	3	4

Assessment: Satisfactory and improved since 1997 at the location surveyed.

River and Code : **ROBE**

30/R/01

Tributary of : Lough Mask

OS Catchment No: 143

OS Grid Ref : M 153 658

Date(s) Surveyed : 20-Jul-2000

Stations No.	Biological Quality Ratings (Q Values)										
	1971	1977	1980	1982	1983	1985	1987	1989	1994	1997	2000
0015	-	-	-	-	-	-	-	-	4-5	-	3
0030	-	-	-	-	-	-	-	3	3-4	4	3-4
0100	5	-	4	3-4	-	4-5	3-4	-	-	-	-
0110	-	-	-	-	-	-	-	3-4	3-4	4	4
0200	4-5	4-5	4	3	-	4	4	3-4	3-4	3	3-4
0300	-	-	4	3-4	-	4	4	3-4	-	-	-
0310	-	-	-	-	-	-	-	-	3	3	3-4
0400	5	5	4	4	-	3-4	3-4	4	3	3-4	3
0500	-	-	4	4	-	4	3-4	4	-	-	-
0510	-	-	-	-	-	-	-	-	4	4	3
0600	4-5	4	4	4	-	4	4	4-5	3	4	3
0700	4	4	4-5	4	3	3-4	3	4	-	-	-
0800	-	-	4	3	3	-	-	-	-	-	-
0900	-	-	-	-	-	3	3-4	3	3	-	4
0950	-	-	-	-	-	-	-	-	-	4	3
1000	-	-	-	3-4	-	-	4	3-4	3-4	-	-

Sampling Station

No.	Location
0015	Br S of Cloonbullan
0030	Kilknock Bridge
0100	Br S.W. of Meelick
0110	Br S.E. of Castlemagarrett
0200	Bridge in Crossboyne
0300	Bridge near Tagheen
0310	Br E of Hollybrook House
0400	Hollymount Bridge

Sampling Station

No.	Location
0500	Foxhall Bridge
0510	Robeen Bridge
0600	Bridge u/s Ballinrobe
0700	E. Br N.E. of Sprgvale H
0800	W. Br N.E. of Sprgvale H
0900	100m d/s Station 0800
0950	North of Curragh7
1000	1 km u/s Lough Mask

Assessment: Following a widespread deterioration in quality the Robe River was in an unsatisfactory condition at most (i.e., eight of the ten) sites examined in June 2000. The most striking deterioration was in the uppermost (0015) and the lower reaches (0510, 0600, 0950) where previously satisfactory conditions were replaced by very considerable pollution: the two satisfactory locations were 0110 and 0900. Minor improvements were recorded at Crossboyne (0200) and Hollybrook (0310) although both of these sites continued to be slightly polluted. A major field and bank clearance operation at Kilknock Br (0030) appeared to pose risks for excessive soil and nutrient loss during wet weather.

River and Code : **SCARDAUN** **30/S/04**
Tributary of : Robe OS Catchment No: 143
OS Grid Ref : M 322 704 Date(s) Surveyed : 14-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1989	1994	1996	2000
0100 Bridge at Scardاون	2-3	3	2-3	4
0400 At Curraghadooey	3	-	-	-
0500 Just u/s Robe River confluence	-	3	3	3

Assessment: A major improvement in quality was noted in the upper Scardاون (0100) which had been moderately to seriously polluted for some time. Conditions remained unsatisfactory, however, in the lower section just upstream of the Robe confluence (0500).

River and Code : **SINKING** **30/S/01**
Tributary of : Clare (Galway) OS Catchment No: 143
OS Grid Ref : M 432 638 Date(s) Surveyed : 11-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1973	1977	1979	1984	1989	1994	1996	2000
South Branch									
0010 Br S of Bracklagh ¹	-	-	-	-	-	-	3-4	2-3	2-3
0025 Br W. of Parkbaun	-	-	-	-	-	3-4	3-4	3	4
North Branch									
0045 Br S. of Cloonkeen ¹	-	-	-	-	-	3-4	4	3-4*	4
0055 Br u/s confl with S. limb	-	-	-	-	-	3-4	3-4	4	4
Main Channel									
0080 Br SW of Carrowkeel	-	-	-	-	-	-	3-4	3	4
0100 Br 3 km u/s Dunmore Br	5	-	4-5	4-5	4	4	-	-	-
0300 Br 1.2 km d/s Dunmore Br	4	5	4	4	4	3-4	3-4	-	3
0320 Br NW of Ballymoney	-	-	-	-	-	-	4	-	3
0350 Br S. of Ardcloon	4-5	-	4	4-5	4	-	-	-	-
0400 Br N. of Cloonaghgarve	-	-	-	-	-	4	4	-	3

Assessment: The most striking feature of the Sinking River in 2000 was the worsening condition of the Main Channel below Dunmore; each of the three locations in this reach (0300, 0320, 0400) was moderately polluted having deteriorated considerably since 1994. By contrast quality improved in the two branches; the North Branch was satisfactory at both locations surveyed (0045, 0055) as was the lower South Branch (0025) but the upper South Branch (0010) continued to be quite heavily polluted.

River and Code : **SRAH STREAM¹** **30/S/02**
Tributary of : **Lough Mask** OS Catchment No: **143**
OS Grid Ref : M 123 718 Date(s) Surveyed : 17-jul-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1985	1986	1988	1989	1993	1996	2000
0400 Br u/s Lough Mask	5	4/0	4	5	3	4-5	4-5

Assessment: The Srah Stream was again satisfactory with no evidence of pollution noted in 1993.

River and Code : **SRAHNALONG** **30/S/03**
Tributary of : Lough Mask OS Catchment No: 143
OS Grid Ref : M 019 613 Date(s) Surveyed : 17-Aug-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)				
	1985	1989	1993	1996	2000
0100 Bridge u/s Lough Mask	5	5	4	5	4

Assessment: Satisfactory; although not as good as it was when last sampled in 1996.

River and Code : **TERRYLAND** **30/T/01**
Tributary of : Corrib (Distributary) OS Catchment No: 143
OS Grid Ref : M 295 265 Date(s) Surveyed : 04-Oct-2000

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1980	1982	1984	1989	1994	1997	2000
0200 Bridge on Galway-Headford Rd	4	4	4	4	3-4	3	3
0400 400 m d/s Terryland Bridge	1/0	3/0	3	3/0	2-3	2-3	-
0500 1 km d/s Terryland Br	-	-	-	-	-	-	2-3

Assessment: The Terryland River continued to be moderately polluted over its length and considerable oil contamination was revealed by the survey at station 0500 where the marginal reeds were blackened by the oil which is apparently deposited as the river level rises and falls; this location had not been examined previously. The river appears to be badly affected by runoff from roads and car parks in this busy part of Galway City.

River and Code : **TULLAGHAUN**
Tributary of : Dalgan
OS Grid Ref : M 484 738

30/T/03
OS Catchment No: 143
Date(s) Surveyed : 16-Aug-2000

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1989	1994	1996	2000
0300	Bridge u/s Dalgan River	4	4	4	4

Assessment: Satisfactory. No change.

HYDROMETRIC AREA No. 35

Sligo Bay and Drowes

Ballymote Stream	35B04
Ballysodare	35B05
Bonet	35B06
Brackary	35B10
Bradoge	35B07
Buncrowey	35B09
Bunnanaddan Stream	35B08
Cashel Stream (Bonet)	35C03
Clooneen (Sligo)	35C01
Diffreen	35D01
Doonbeakin	35D09
Doonflin	35D10
Doonowney	35D12
Douglas (Sligo)	35D02
Drowes	35D03
Drumcliff	35D04
Drumfin	35D11
Duff	35D05
Dunmorán	35D16
Dunneill	35D06
Easky	35E01
Finned	35F01
Garavoge	35G01
Glenaniff	35G02
Gowlan (Sligo)	35G03
Grange (Sligo)	35G04
Killanummery	35K03
Killoran Lough Stream	35K02
Liskeagh	35L02
Lugdoon Stream	35L01
Newtown Manor Stream	35N01
Owenbeg (Coolaney)	35O01
Owenmore (Manorhamilton)	35O08
Owenmore (Sligo)	35O06
Shanvaus	35S01
Tullinwillin Stream	35T03
Unshin	35U01
Willsborough Stream	35W01

River and Code : **BALLYMOTE STREAM** **35/B/04**
Tributary of : Owenmore (Sligo) OS Catchment No: 116
OS Grid Ref : G 657 132 Date(s) Surveyed : 02-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)							
	1979	1980	1984	1986	1990	1994	1997	2000
0040 Ballymote: Br SE of Church	-	-	-	-	2-3	4	3-4	3
0100 Bridge S of Emlaghfad Glebe	1	2	1	3-4	3	4	4	3

Assessment: The Ballymote Stream had deteriorated in quality since 1997: it was moderately polluted at both sites when surveyed in early October 2000.

River and Code : **BALLYSDARE** **35/B/05**
Tributary of : Sea - Ballysodare Bay OS Catchment No: 116
OS Grid Ref : G 667 296 Date(s) Surveyed : 13-Sep-00

Stations No.	Biological Quality Ratings (Q Values)									
	1971	1973	1977	1979	1982	1986	1990	1994	1997	2000
0100 5	5	5	5	5	5	5	4	4-5	4	4-5

Sampling Station
No. Location
0100 Ballysodare Bridge

Assessment: Continuing satisfactory.

River and Code : **BONET** **35/B/06**
Tributary of : Lough Gill OS Catchment No: 117
OS Grid Ref : G 782 335 Date(s) Surveyed : 18-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1971	1973	1977	1980	1984	1990	1994	1997	2000
0010	Bridge u/s Glenade Lough	-	-	-	-	-	5	5	4-5	5
0050	Bridge 1.5 km d/s Glenade L	-	-	-	4	4-5	4	4-5	4-5	4
0100	New Bridge	5	5	4-5	4-5	4-5	4-5	5	4-5	4-5
0200	Bridge d/s Owenmore River	5	5	4-5	4	4	5	4-5	4	4
0400	Bridge at Gortgarrigan	5	5	4-5	4-5	4	4-5	4-5	4	4-5
0500	Bellanamore Bridge	5	5	5	5	3	4-5	4-5	4	4
0600	1.8 km d/s Dromahaire Br	5	5	4-5	4	4	4	4	4	4-5

Assessment: The Bonet River was again satisfactory over the length surveyed in 2000. Higher Q values indicated some quality improvement at several locations (0010, 0400, 0600) but a minor reduction was recorded below Glenade Lake (0050) in the upper reaches.

River and Code : **BRACKARY** **35/B/10**
Tributary of : Owenmore (Manorhamilton) OS Catchment No: 117
OS Grid Ref : G 885 395 Date(s) Surveyed : 18-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Bridge nr Curraghfore School	4-5	4-5	4-5	4-5
0500	Bridge u/s Owenmore River	3-4	3-4	3	4

Assessment: The Brackary was in satisfactory condition overall with an improvement in quality in the lower section (0500) in comparison with 1997.

River and Code : **BRADOGE** **35/B/07**
Tributary of : Sea - Donegal Bay OS Catchment No: 122
OS Grid Ref : G 818 588 Date(s) Surveyed : 11-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1982	1986	1990	1994	1997	2000
0060	Bridge N of Cornaglah	-	-	3	3-4	3-4	3
0100	Bridge SW of Rathglass	5	3	4	4	4	3-4
0200	U/s Bridge in Bundoran	3-4	4	4	4	3-4	3-4

Assessment: The Bradoge River was polluted at all three sites when sampled in October 2000. Water quality had deteriorated at two locations (0060, 0100) since the previous survey in August 1997.

River and Code : **BUNCROWEY** **35/B/09**
Tributary of : Easky OS Catchment No: 114
OS Grid Ref : G 402 317 Date(s) Surveyed : 25-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Br near Old Shooting Lodge	3	3	3	3
0500	Fords just u/s Easky River	5	-	5	4-5

Assessment: Pollution-sensitive species were not to be found in the upper Buncrowey River (0100) which continued to be very impoverished in terms of faunal diversity and abundance. The system is quite acidic and lacks ephemeroptera (Mayflies); a single *Baetis* specimen was found in 1997 but none was observed in 2000. The lower station (0500) continued to be satisfactory but with a slightly lower Q rating than in August 1997.

River and Code : **BUNNANADDAN STREAM** **35/B/08**
 Tributary of : Cloonacleigha Lough OS Catchment No: 116
 OS Grid Ref : G 607 145 Date(s) Surveyed : 02-Oct-00

No.	Location	Biological Quality Ratings (Q Values)						
		1979	1981	1986	1990	1994	1997	2000
0200	Ford NW of Bunnannaddan	4-5	4	4	4	4	3-4	4

Assessment: The Bunnannaddan Stream improved in quality since 1997 and was classified as satisfactory.

River and Code : **CASHEL STREAM (BONET)** **35/C/03**
 Tributary of : Bonet OS Catchment No: 117
 OS Grid Ref : G 822 304 Date(s) Surveyed : 14-Sep-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Bridge W of Corratimore	5	4-5	4-5	4-5
0700	Br SE of Glebe	-	4-5	4-5	4-5
1200	Bridge d/s Camogie Bridge	4-5	5	4-5	4

Assessment: Continuing satisfactory.

River and Code : **CLOONEEN (SLIGO)** **35/C/01**
 Tributary of : Owenmore (Sligo) OS Catchment No: 116
 OS Grid Ref : G 652 136 Date(s) Surveyed : 02-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Br at Old Mill SW of Ogham	5	4	4	4-5
0500	Bridge NW of Killavil	4	4	4	4
0600	Bridge u/s Owenmore River	5	3	4	3-4

Assessment: Satisfactory apart from the lowermost station (0600) where quality has deteriorated since 1997.

River and Code : **DIFFREEN** **35/D/01**
Tributary of : Glencar Lake OS Catchment No: 119
OS Grid Ref : G 763 431 Date(s) Surveyed : 09-Oct-00

No.	Location	Biological Quality Ratings (Q Values)					
		1980	1986	1990	1994	1997	2000
0100	Bridge u/s Glencar Lake	4	5	5	5	5	4-5

Assessment: Continuing satisfactory.

River and Code : **DOONBEAKIN** **35/D/09**
Tributary of : Dunneill OS Catchment No: 115
OS Grid Ref : G 438 342 Date(s) Surveyed : 05-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Bridge S of Doonbeakin	5	4	4-5	4-5
0400	Ford u/s Dunneill River	4	-	4	4-5

Assessment: Continuing satisfactory.

River and Code : **DOONFLIN** **35/D/10**
Tributary of : Sea - S. of Aughris Head OS Catchment No: u5
OS Grid Ref : G 506 360 Date(s) Surveyed : 05-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Bridge near Doonflin Lower	4-5	4	4-5	4-5
0600	SE of Aughris	2-3	4	4	4

Assessment: Continuing satisfactory. No change.

River and Code : **DOONOWNEY** **35/D/12**
Tributary of : Sea - at Drumcliff OS Catchment No: x5
OS Grid Ref : G 627 440 Date(s) Surveyed : 09-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
East Branch¹				
0400 Br W of Doonowney	-	-	3	3
0500 Bridge E of Doonowney	3-4	3-4	-	-
Main Channel				
0800 Bridge u/s Drumcliff Bay	3-4	-	3-4	4

Assessment: The East Branch (0400) of the Doonowney River was again moderately polluted in October 2000 but quality had improved at the location examined on the Main Channel in comparison with 1997.

River and Code : **DOUGLAS (SLIGO)** **35/D/02**
Tributary of : Unshin OS Catchment No: 116
OS Grid Ref : G 732 208 Date(s) Surveyed : 13-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
1400 Riverstown: North Bridge	3-4	4-5	4-5	4-5

Assessment: Continuing satisfactory. No change.

River and Code : **DROWES** **35/D/03**
Tributary of : Sea - Donegal Bay OS Catchment No: 121
OS Grid Ref : G 792 583 Date(s) Surveyed : 11-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1973	1982	1986	1990	1994	1997	2000
0100 Lennox's Bridge	-	4	4-5	4	4	3-4	4-5
0200 Bundrowes Bridge	5	5	4-5	4	4	4	4

Assessment: Satisfactory over the length surveyed. The Drowes had improved in quality at Lennoxes Bridge (0100) in comparison with 1997.

River and Code : **DRUMCLIFF** **35/D/04**
 Tributary of : Sea - Drumcliff Bay OS Catchment No: 119
 OS Grid Ref : G 674 423 Date(s) Surveyed : 09-Oct-00

No.	Location	Biological Quality Ratings (Q Values)					
		1980	1986	1990	1994	1997	2000
0200	Bridge d/s Glencar Lake	4	4	4	-	-	-
0250	Ford 2.3 km d/s Samp St 0200	-	-	5	4-5	4	4-5
0300	Br 2 km u/s Drumcliff Bridge	5	4	4	-	-	-
0400	Ford 500 m u/s Drumcliff Br	-	-	4	4	4	4-5

Assessment: Satisfactory where surveyed with a general improvement in quality compared with 1997.

River and Code : **DRUMFIN** **35/D/11**
 Tributary of : Unshin OS Catchment No: 116
 OS Grid Ref : G 714 208 Date(s) Surveyed : 14-Sep-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0500	Bridge N of Kingsbrook	4	4	4	4-5
0800	Closkeybeg Bridge	4	4	4	4

Assessment: The Drumfin River continued in a satisfactory condition in 2000 with an improvement noted at the upper station (0500) in comparison with 1997.

River and Code : **DUFF** **35/D/05**
 Tributary of : Sea - Donegal Bay OS Catchment No: 120
 OS Grid Ref : G 752 578 Date(s) Surveyed : 11-Oct-00

No.	Location	Biological Quality Ratings (Q Values)					
		1982	1986	1990	1994	1997	2000
0100	Bridge S of Largydonnell	5	4-5	5	4-5	4	4-5
0400	Bunduff Bridge	5	4-5	5	5	4-5	4-5

Assessment: Satisfactory.

River and Code : **DUNMORAN** **35/D/16**
Tributary of : Sea - Sligo Bay OS Catchment No: u5
OS Grid Ref : G 522 355 Date(s) Surveyed : 05-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
<i>East Branch</i>			
1000 Bridge NW of Langford House	4-5	4	4-5
<i>Main Channel</i>			
1400 Bridge near Toberawnaun	4	4-5	4-5

Assessment: Satisfactory with an improvement in quality at station 1000 in comparison with 1997.

River and Code : **DUNNEILL** **35/D/06**
Tributary of : Sea - Sligo Bay OS Catchment No: 115
OS Grid Ref : G 440 352 Date(s) Surveyed : 28-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1981	1986	1990	1994	1997	2000
0050 NW Dunowla (NNW L Nafullow)	-	-	-	5	5	4-5
0100 Bridge 2 km u/s Dromore West	5	5	5	5	4-5	5
0200 Donaghintraire Bridge	4-5	4-5	5	4-5	4	5

Assessment: The Dunneill River continued to be a high quality river in 2000. In view of the abundance of pollution sensitive species to be found at Station 0050 this location could serve as a reference site for high ecological quality conditions.

River and Code : **EASKY** **35/E/01**
Tributary of : Sea - W. of Sligo Bay OS Catchment No: 114
OS Grid Ref : G 379 386 Date(s) Surveyed : 25-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)					
No.	Location	1981	1986	1990	1994	1997	2000
0010	Trasgarve d/s Lough Easky	-	4-5	4	4	4-5	4-5
0020	Bridge u/s Gowlan River	-	5	5	5	4-5	4-5
0100	Bridge at Camcuill	5	5	4-5	5	4-5	4-5
0200	Easky Bridge	4-5	5	-	4-5	4-5	4-5

Assessment: Satisfactory quality continued at all sites examined on the Easky River. No change since 1997.

River and Code : **FINNED** **35/F/01**
Tributary of : Sea - W. of Sligo Bay OS Catchment No: 113
OS Grid Ref : G 350 386 Date(s) Surveyed : 28-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)					
No.	Location	1982	1986	1990	1994	1997	2000
0100	Bridge ENE of Rathmacurkey	5	5	5	4-5	4-5	4-5
0200	Bridge S of Ballycummin	4-5	4-5	-	4	4-5	3
0300	Finned Bridge	4-5	4-5	4	4	4	4

Assessment: Satisfactory conditions continued in the upper (0100) and lower (0300) reaches of the Finned River but a significant deterioration was recorded in the Ballycummin area (0200) in 2000.

River and Code : **GARAVOGUE** **35/G/01**
Tributary of : Sea - Sligo Bay OS Catchment No: 117
OS Grid Ref : G 692 362 Date(s) Surveyed : 12-Oct-00

Sampling Stations		Biological Quality Ratings (Q Values)								
No.	Location	1971	1973	1977	1980	1986	1990	1994	1997	2000
0200	Sligo: The Mall	5	4	4	4	4	4	4	4	4

Assessment: Satisfactory, no change.

River and Code : **GLENANIFF** **35/G/02**
Tributary of : Lough Melvin OS Catchment No: 121
OS Grid Ref : G 922 500 Date(s) Surveyed : 12-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Bridge u/s Lough Melvin	5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **GOWLAN (SLIGO)** **35/G/03**
Tributary of : Easky OS Catchment No: 114
OS Grid Ref : G 390 272 Date(s) Surveyed : 25-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Ford u/s Easky River confl	4-5	4-5	4-5	5

Assessment: This tributary of the Easky River continued to be in a highly satisfactory condition when surveyed in September 2000.

River and Code : **GRANGE (SLIGO)** **35/G/04**
Tributary of : Sea - S. of Connor's Island OS Catchment No: x5
OS Grid Ref : G 648 495 Date(s) Surveyed : 09-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0080 Bridge NW of Gortnaleck	4-5	5	5
0200 Ford 1.0 km d/s Grange	4	4-5	4

Assessment: Good quality continued in the upper reaches of the Grange River (0080) in 2000 and, despite a slight reduction in the Q value, conditions below the village (0200) remained satisfactory also. A water abstraction point is located near the upper location.

River and Code : **GURTEEN STREAM¹** **35/G/05**
 Tributary of : Owenmore (Sligo) OS Catchment No: 116
 OS Grid Ref : G 677 055 Date(s) Surveyed : 13-Nov-00

No.	Location	Biological Quality Ratings (Q Values)								
		1979	1980	1982	1984	1986	1990	1994	1997	2000
0200	Bridge NE of Gurteen	3	3	3	2-3	2-3	2	2-3	3-4	3

Assessment: The survey of November 2000 indicates that pollution levels have increased from slight to moderate in the Gurteen Stream since 1997.

River and Code : **KILLANUMMERY** **35/K/03**
 Tributary of : Bonet OS Catchment No: 117
 OS Grid Ref : G 806 303 Date(s) Surveyed : 14-Sep-00

No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
Tullynascreen Branch				
0100	Bridge near Tullynascreen	4	4	4
Main Channel				
0400	Bridge N of Garvagh Glebe	4	3-4	4
0600	Bridge SSW of Killanummery	4-5	4	4-5
0900	Bridge u/s Bonet River confl	4-5	4-5	4-5

Assessment: The Killanummery River was satisfactory at all points sampled with improvements noted particularly at Station 0400.

River and Code : **KILLORAN LOUGH STREAM** **35/K/02**
 Tributary of : Owenmore (Sligo) OS Catchment No: 116
 OS Grid Ref : G 636 225 Date(s) Surveyed : 15-Sep-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0500	Br d/s trib from Drumdiunagh	-	-	-	4
1000	Bridge u/s Owenmore River	4	4-5	4	4

Assessment: Satisfactory at both sites examined.

River and Code : **LISKEAGH** **35/L/02**
Tributary of : Owenmore (Sligo) OS Catchment No: 116
OS Grid Ref : G 677 073 Date(s) Surveyed : 02-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0900 Br WNW of Liskeagh	-	-	-	4
1100 Just u/s Owenmore R confluence	-	3	4-5	4-5

Assessment: Satisfactory.

River and Code : **LUGDOON STREAM** **35/L/01**
Tributary of : Sea - Sligo Bay OS Catchment No: u5
OS Grid Ref : G 462 341 Date(s) Surveyed : 05-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 Bridge E of Fort Villa	4-5	4	4-5	4-5

Assessment: Satisfactory, no change since 1997.

River and Code : **NEWTOWN MANOR STREAM** **35/N/01**
Tributary of : Lough Gill OS Catchment No: 117
OS Grid Ref : G 785 353 Date(s) Surveyed : 12-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1990	1997	2000
0300 Bridge d/s Doon Lough	4	-	-
0500 Br u/s L. Gill	-	dry	4

Assessment: The Newtown Manor Stream is a temporary river that feeds into Lough Gill. The fauna is typical of such a river comprising only insect species that are capable of colonising rapidly when water returns to the river channel. Quality appeared to be satisfactory.

River and Code : **OWENBEG (COOLANEY)** **35/O/01**
Tributary of : Owenmore (Sligo) OS Catchment No: 116
OS Grid Ref : G 656 251 Date(s) Surveyed : 15-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)					
		1981	1986	1990	1994	1997	2000
0030	NE of Carha	-	-	4	4-5	4	4-5
0070	700 m u/s Ford SW Shanlough	-	-	-	5	4-5	5
0200	Coolaney Bridge	4	5	4	4	4	4
0400	Bridge u/s Owenmore River confl	-	-	-	4-5	4-5	4-5

Assessment: The Owenbeg River was in excellent condition over most of its length in September 2000.

River and Code : **OWENMORE (MANORHAMILTON)** **35/O/08**
Tributary of : Bonet OS Catchment No: 117
OS Grid Ref : G 873 393 Date(s) Surveyed : 12-Octo-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)								
		1971	1973	1977	1980	1986	1990	1994	1997	2000
0200	Br W of Munakill Loughs	-	-	-	-	4	4-5	-	-	-
0220	Br near Black Park House.	-	-	-	-	-	-	4	flood	4-5
0400	Br u/s Bonet River confl	5	4-5	4	4	4-5	4-5	3-4	-	4

Assessment: Satisfactory.

River and Code : **OWENMORE (SLIGO)** **35/O/06**
Tributary of : Ballysodare OS Catchment No: 116
OS Grid Ref : G 687 270 Date(s) Surveyed : 08-Sep-00

Stations No.	Biological Quality Ratings (Q Values)									
	1971	1973	1977	1979	1980	1984	1990	1994	1997	2000
0025	-	-	-	-	5	4-5	4	5	4-5	4-5
0050	-	-	-	-	4	4-5	3-4	4-5	4-5	4
0100	-	-	-	-	5	4-5	4	4	4	4
0200	-	-	5	5	4	4	4	4	3-4	3-4
0250	-	-	-	-	-	-	3-4	4	3-4	3
0400	5	5	4-5	-	4	4	4-5	4-5	4	4
0500	-	-	-	-	4	4	4	4	4	4
0600	5	5	4-5	-	5	5	3-4	-	-	-
0610	-	-	-	-	-	-	-	4-5	4	4-5
0700	-	-	-	-	5	4-5	5	-	-	4-5
0900	4-5	5	4-5	-	4	4	4	5	3-4	4

Sampling Station		Sampling Station	
No.	Location	No.	Location
0025	Gorteen Bridge	0500	Br d/s Templehouse Lake
0050	Bridge SW of Moydough	0600	Bridge E of Thorn Hill
0100	Br 2 km ESE of Kilshalvy	0610	Br N Cloonacurra
0200	Br SSW of Emlaghfad	0700	1.2 km u/s Collooney Bridge
0250	1 km d/s Ballymote Stream	0900	300 m u/s Unshin River confl
0400	Br u/s Templehouse Lake		

Assessment: The upper Owenmore River (0025, 0050, 0100) continued to be satisfactory in 2000 albeit with a slightly lower Q value at Station 0050. The middle reaches (0200, 0250) were again unsatisfactory and a further deterioration was recorded below the confluence of the Ballymote Stream (q.v.) at 0250. Quality improved thereafter and the improvements were most noticeable at Station 0900 where satisfactory conditions have been restored.

River and Code : **SHANVAUS** **35/S/01**
Tributary of : Bonet OS Catchment No: 117
OS Grid Ref : M 865 378 Date(s) Surveyed : 18-Sep-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Second Br u/s Shanvaus Br	4	4-5	4-5	4-5
1100	Bridge u/s Bonet River confl	4	4-5	flood	4

Assessment: Satisfactory.

River and Code : **TULLINWILLIN STREAM** **35/T/03**
Tributary of : Belhavel Lough OS Catchment No: 117
OS Grid Ref : G 882 296 Date(s) Surveyed : 13-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Bridge u/s Belhavel Lough	4-5	4-5	4	4-5

Assessment: Continuing satisfactory.

River and Code : **UNSHIN** **35/U/01**
Tributary of : Ballysodare OS Catchment No: 116
OS Grid Ref : G 687 270 Date(s) Surveyed : 13-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)									
	1971	1973	1977	1980	1984	1990	1994	1997	2000	
0100 Bellarush Bridge	-	-	-	4-5	4-5	4-5	-	3-4	4	
0200 Riverstown Bridge	-	-	-	5	4	4	4	4-5	4	
0300 Br W of Cooperhill House	-	-	-	5	4	4	4	4	4	
0400 Lisconny Bridge	-	-	-	4	4-5	4	4	4-5	4	
0500 Ballygrania Bridge	-	5	4-5	5	4-5	4-5	4-5	4-5	4-5	
0600 Br u/s Ballysodare R confl	4-5	5	4	4	4	4	4	4-5	4-5	

Assessment: The Unshin River flows from Lough Arrow and is influenced by the lake especially in its upper reaches. Quality had improved immediately downstream of the lake (0100) in comparison with 1997. A slight drop in quality was noted at Riverstown (0200) and Lisconny (0400) but the lower section was again satisfactory with little change in comparison with 1997.

River and Code : **WILLSBOROUGH STREAM** **35/W/01**
Tributary of : Sea - Sligo Bay OS Catchment No: 118
OS Grid Ref : G 689 373 Date(s) Surveyed : 09-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1982	1990	1994	1997	2000
0060	Bridge S of Glackbaun	-	4-5	-	4	4-5
0100	Br SE of Doonally House	3-4	-	-	4-5	4-5
0300	Br on Sligo-Bundoran Road	5	4	3-4	3-4	4-5

Assessment: The Willsborough was generally satisfactory when surveyed in 2000 and a significant improvement in quality was noted at the last station in Sligo (0300).

HYDROMETRIC AREA No. 36 [PART ONLY]

Erne

The Erne catchment was surveyed in 1998 but the Waterfoot River was inadvertently omitted then and also in the previous (1995-1997) cycle.

River and Code	: WATERFOOT	36/W/03
Tributary of	: Lower Lough Erne	OS Catchment No: 123
OS Grid Ref.	: H 097 650	Date(s) Surveyed : 18 December 2000

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)		
		1989	1993	2000
0300	Br SW of Belat	4	-	-
0500	Glenmore Br	4-5	4	-
0600	Br W of Bannus L	4	4	-
0700	Letter Br	-	-	4-5

Assessment: Satisfactory where surveyed.

HYDROMETRIC AREA No. 38

Gweebarra-Sheephaven

Abberachrin	38A01	Gweedore	38G03
Aighe	38A03		
Aspick	38A02	Lackagh	38L01
		Lough Agher	38L02
Big Burn	38B03	Loughkeel Burn	38L03
Bracky	38B02		
Bunlin	38B04	Murlin	38M03
Burnside	38B05		
		Owenator	38O01
Calabber	38C01	Owenaillin	38O10
Carrownamaddy	38C02	Owencarrow	38O03
Clady	38C04	Owencronahulla	38O09
Cloghernagore	38C07	Owenea	38O04
Corveen	38C05	Owennamarve	38O05
Cronaniv Burn	38C06	Owentocker	38O06
		Owenveagh	38O14
Devlin	38D01	Owenwee (Doocharry)	38O07
Dungloe	38D02	Owenwee (Dunlewey)	38O12
Duntally	38D03	Owenwee (Glen Lough)	38O13
Duvoge	38D05	Owenwee (Loughros)	38O08
Duvowen (Ray)	38D04		
		Port Stream	38P01
Faymore	38F01		
		Ray	38R01
Glen (Lackagh)	38G04		
Glen (Meenclady)	38G05	Shallogan	38S03
Glenleheen Stream	38G07	Sruhannameel	38S02
Glenna	38G01	Stracashel (Lower)	38S01
Glentornan	38G06		
Gweebarra	38G02	Tullaghobegly	38T01

River and Code : **ABBERACHRIN** **38/A/01**
Tributary of : Sea - Loughros More Bay OS Catchment No: 49
OS Grid Ref : G 703 947 Date(s) Surveyed : 19-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Kilclooney Bridge	4	4	4	4

Assessment: Continuing satisfactory.

River and Code : **AIGHE** **38/A/03**
Tributary of : Bracky OS Catchment No: h6
OS Grid Ref : G 726 877 Date(s) Surveyed : 18-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0150 Br NNW of Cashel	-	-	1/0	4
0200 Just u/s Bracky River confl	4-5	4-5	2/0	-

Assessment: Satisfactory where surveyed and improved significantly since 1997 when serious toxic pollution was recorded.

River and Code : **ASPICK** **38/A/02**
Tributary of : Glenna OS Catchment No: 21
OS Grid Ref : B 909 288 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Bridge d/s Aspick Bridge	5	4-5	4-5	4

Assessment: Although of a somewhat lower standard than previously quality in the Aspick River continued to be satisfactory in August 2000.

River and Code : **BIG BURN** **38/B/03**
Tributary of : Sea - Mulroy Bay OS Catchment No: 28
OS Grid Ref : C 196 329 Date(s) Surveyed : 13-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0500 Cranford Bridge	4-5	3-4	4-5	4

Assessment: Continuing satisfactory though not of as high a standard as previously.

River and Code : **BRACKY** **38/B/02**
Tributary of : Sea - Loughros Beg Bay OS Catchment No: h6
OS Grid Ref : G 720 900 Date(s) Surveyed : 18-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Bracky Bridge	5	5	3/0	3*

Assessment: The Bracky had suffered from a serious flood event such that, when sampled in October 2000, virtually all fauna had been eliminated from the river. Significant quantities of sand were deposited along the river bank. The source of the flood and sand was traced to the River Glengesh (38G08 qv) which runs through a steep-sided valley near Ardara. This type of 'sand-flood' is quite rare (only once seen previously in the west and northwest of Ireland in 20 years of ecological monitoring) but is extremely destructive to the normal river fauna due to the abrasive forces exerted by the sand on the river bed. The valley sides appear to have destabilised and signs of an extreme flood were evident along the river channel and banks. Sheep overgrazing may have been the root cause of the unusual event. It is difficult to assign a Q-Value in such a situation as the water quality per se may not be impaired but obviously serious ecological damage has occurred.

* Serious ecological damage due to sand scouring in a flood event.

River and Code : **BUNLIN** **38/B/04**
Tributary of : Mulroy Bay OS Catchment No: 29
OS Grid Ref : C 181 278 Date(s) Surveyed : 13-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values) 2000
0100 Br NE of Skreen	4

Assessment: Water quality was satisfactory at the location sampled in the Bunlin River in October 2000: the river had not been surveyed previously.

River and Code : **BURNSIDE** **38/B/05**
Tributary of : Sea - Mulroy Bay OS Catchment No: u6
OS Grid Ref : C 210 328 Date(s) Surveyed : 13-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0400 150 m d/s Br S. of Bridgetown	4	4	4	4

Assessment: Satisfactory. No change.

River and Code : **CALABBER** **38/C/01**
Tributary of : Owencarrow OS Catchment No: 27
OS Grid Ref : C 048 242 Date(s) Surveyed : 23-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Meenamolt Bridge	4-5	4	4-5	4-5
0200 Calabber Bridge	4-5	-	-	-
0300 2 km d/s Calabber Bridge	-	4-5	4-5	4-5

Assessment: Although continuing generally satisfactory the presence of algal mats at Station 0300 was unexpected for this type of remote, oligotrophic mountain river: the catchment is extensively afforested upstream of this point.

River and Code : **CARROWNAMADDY** **38/C/02**
Tributary of : Sea - Clonmass Bay (Sheep Haven) OS Catchment No: 2
OS Grid Ref : C 053 342 Date(s) Surveyed : 22-Nov-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)				
		1973	1990	1994	1997	2000
0100	Stranamarragh Bridge	5	5	-	-	-
0300	Bridge S.E. of Swillybrin	5	4-5	4	4-5	4-5

Assessment: Satisfactory; no change since 1997.

River and Code : **CLADY (DONEGAL)** **38/C/04**
Tributary of : Sea - Gweedore Bay OS Catchment No: 23
OS Grid Ref : B 804 234 Date(s) Surveyed : 19-Oct-00

Sampling Stations No.	Location	Biological Quality Ratings (Q Values)							
		1973	1977	1980	1985	1990	1994	1997	2000
0150	Bryan's Bridge (Gweedore)	-	-	4	4	4-5	4	4-5	4-5
0175	Ford S. of Lough Clogher	5	5	5	5	5	-	-	-
0300	Clady Br u/s Bunbeg	4-5	4-5	5	4-5	4-5	4	4	4

Assessment: Generally satisfactory with little change since 1997. This is a regulated river due to the hydroelectric scheme on Loughs Nacung and Dunlewy. The more or less constant flow due to the diversion of water from the lakes to the hydroelectric scheme gives rise to a wide range of macrophytes not normally found in the western Donegal rivers. Thus, the river is unusual and demonstrates that the flow regime is perhaps the main factor governing the flora of most other Donegal rivers. An unusual floc, possibly alum, was noted at Station 0150. Extensive bank clearance for house building was observed downstream of Clady Bridge (0300) which may lead to erosion and soil loss which may impact on the river.

River and Code : **CLOGHERNAGORE** **38/C/07**
 Tributary of : Abroe OS Catchment No: 48
 OS Grid Ref : B 903 066 Date(s) Surveyed : 09-Nov-00

Sampling Stations		Biological Quality Ratings (Q Values)	
No.	Location	1990	2000
0100	At Cloghernagore	4	4-5

Assessment: The Cloghernagore is an upland, acidic, lake-influenced (by L. Nanuroge and L. Fadda) river with a reasonable amount of filamentous algae and a fauna dominated by stoneflies. Although faunal diversity was somewhat low, water quality was assessed as satisfactory when sampled in November 2000.

River and Code : **CORVEEN** **38/C/05**
 Tributary of : Owencronahulla OS Catchment No: 19
 OS Grid Ref : B 828 273 Date(s) Surveyed : 01-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0200	Br at Owencronahulla R confl	4-5	4	4	3-4

Assessment: The Corveen showed a deterioration in quality in comparison with 1997 and previous years.

River and Code : **CRONANIV BURN** **38/C/06**
 Tributary of : Dunlewy Lough OS Catchment No: 23
 OS Grid Ref : B 928 190 Date(s) Surveyed : 01-Sep-00

Sampling Stations		Biological Quality Ratings (Q Values)			
No.	Location	1990	1994	1997	2000
0100	Bridge u/s Dunlewy Lough	4-5	4	5	5

Assessment: Water quality continued to be 'Good' in the Cronaniv Burn in September 2000. The sparse aquatic fauna was dominated by stoneflies but, although some mayflies were present, the absence of the species *Baetis* indicated fairly acidic conditions. A reasonable amount of filamentous algae was also noted at the location

CRONANIV BURN

Assessment: (Continued)

surveyed. The river flows out of the 'Poisoned Glen' an area that appears to be very close to pristine condition although there were some signs of traffic by all-terrain vehicles or tractors crossing the bog. However, because anthropogenic impacts are likely to be minimal the catchment provides an example of high quality reference conditions.

River and Code : **DEVLIN (DONEGAL)** **38/D/01**
 Tributary of : Dunlewy Lough OS Catchment No: 23
 OS Grid Ref : B 927 188 Date(s) Surveyed : 01-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0080 500 m u/s Br u/s Dunlewy L	4-5	4	5	5

Assessment: The Devlin River continued to be in near pristine condition with some additional ephemeropteran species not previously found indicating that it is less acidic than heretofore. Like the Cronaniv Burn (qv), it provides a reference for acidic rivers in Donegal in that the catchment is apparently undisturbed.

River and Code : **DUNGLOE** **38/D/02**
 Tributary of : Sea - near Gweebarra Bay OS Catchment No: 16
 OS Grid Ref : B 768 115 Date(s) Surveyed : 08-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1973	1980	1985	1990	1994	1997	2000
0020 Bridge u/s Lough Fad	-	-	-	4	4	4-5	4-5
0100 Br between L Craghy/Dungloe L	4	-	-	4	-	5	-
0150 Bridge u/s Dungloe Lough	-	5	5	4	4	4	4-5
0200 East Bridge- Dungloe	5	4	4	4	-	-	-
0250 West Bridge - Dungloe	-	-	-	3	3	3	3

Assessment: Although the upper Dungloe River (0020 and 0150) is lake influenced quality continues to be of a satisfactory standard but the lower reaches (0250) are moderately polluted by suspected discharges from Dungloe town. The river is quite acidic in nature.

River and Code : **DUNTALLY** **38/D/03**
Tributary of : Sea - Sheep Haven OS Catchment No: 26
OS Grid Ref : C 084 314 Date(s) Surveyed : 23-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br E Kilfad	-	3	3	4-5
0300 Bridge E. of Cloghglass	5	-	-	-
0500 Bridge E. of Creeslough	4	4	4	4

Assessment: Following a significant quality improvement in its upper reaches (0200), the Duntally River was in a satisfactory condition at both locations surveyed in late November 2000. The lower river (0500) is affected by salt water intrusion.

River and Code : **DUVOGE** **38/D/05**
Tributary of : Sheskinmore Lough OS Catchment No: 49
OS Grid Ref : G 703 961 Date(s) Surveyed : 19-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Br u/s Lough Sheskinmore	4	4-5	4	4

Assessment: Satisfactory but impacted by cattle access in October 2000.

River and Code : **DUVOWEN (RAY)** **38/D/04**
Tributary of : Ray OS Catchment No: 3
OS Grid Ref : B 973 276 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 500 m u/s Ray River confl	5	4	3	3

Assessment: Although the range of taxa had increased somewhat since 1997, the Duvowen River was again significantly polluted in late August 2000: Muckish landfill site is upstream of the location surveyed. Quality remained significantly lower than 1990 and 1994.

River and Code : **FAYMORE** **38/F/01**
Tributary of : Sea - Sheep Haven OS Catchment No: 25
OS Grid Ref : C 060 317 Date(s) Surveyed : 22-Nov-00

No.	Location	Biological Quality Ratings (Q Values)					
		1973	1986	1990	1994	1997	2000
0050	Bridge near Creenasmear	5	3-4	5	4-5	3	4*
0200	Faymore Viaduct	5	3-4	4	4	3-4	4

Assessment: A general improvement was noted in the Faymore River in 2000. Significant siltation was noted, however, in the upper section of the river (0050).
*Siltation

River and Code : **GLEN (LACKAGH)** **38/G/04**
Tributary of : Glen Lough OS Catchment No: 27
OS Grid Ref : C 117 307 Date(s) Surveyed : 13-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Bridge to N. of Ardanawark	5	4-5	-	4-5
0900	Bridge W. of Glen	5	4	4-5	4-5

Assessment: Quality conditions were satisfactory at both sites examined on the Glen River in October 2000.

River and Code : **GLEN (MEENACLADY)** **38/G/05**
Tributary of : Sea - W. of Currans Point OS Catchment No: n6
OS Grid Ref : B 857 335 Date(s) Surveyed : 01-Sep-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Bridge S. of Meenaclady	4	4-5	4	4-5

Assessment: Remaining satisfactory in quality.

River and Code	: GLENGESH¹	38/G/08
Tributary of	: Bracky	OS Catchment No: h6
OS Grid Ref	: G 727 890	Date(s) Surveyed : 18-Oct-00

Sampling Stations	Biological Quality Ratings (Q Values)
No. Location	2000
0200 Common Bridge	3/0

Assessment: The Glengesh River had suffered a catastrophic flood which wiped out almost the entire invertebrate population of the river. Only one specimen was found in a standard kick sample at Common Bridge (0200). This appears to be due to the transport of a large amount of sand in the flood. Sand is highly abrasive in flood conditions and invertebrates are effectively scoured out of the system as if individual stones had been polished clean. The root cause may be unstable conditions in the steep-sided Glengesh valley which bore evidence of overgrazing and flood damage along the river channel. This is an unusual event only seen once previously in the west/northwest region in the past 20 years of biological monitoring i.e., in the Owenbrin River flowing into Lough Mask where anthropogenic impacts such as forestry and sheep overgrazing were suspected. Water quality may not be severely impaired once the flood subsided but all life in the system is seriously impacted such that the ecological quality is severely impacted.

¹ *Not shown on OS Catchment Map. Not a baseline river*

River and Code	: GLENLEHEEN STREAM	38/G/07
Tributary of	: Abroe	OS Catchment No: 48
OS Grid Ref	: B 902 067	Date(s) Surveyed : 09-Nov-00

Sampling Stations	Biological Quality Ratings (Q Values)
No. Location	1990 1994 1997 2000
0300 Glenleheen Bridge	5 4-5 4-5 4-5

Assessment: Water quality continued to be of a high standard in the Glenleheen River in November 2000. Bank erosion was a notable feature at the site sampled (0300).

River and Code : **GLENNA** **38/G/01**
Tributary of : Sea - Ballyness Bay OS Catchment No: 21
OS Grid Ref : B 911 303 Date(s) Surveyed : 19-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Bridge E. of Fawnboy Lower	4	4	3-4	4
0200	Bridge E. of Bedlam	4	4	4*	4

Assessment: Following improvements since 1997 water quality was restored to a satisfactory level at both locations surveyed in the Glenna River and the oil pollution previously noted in the lower reaches (0200) was not observed in October 2000.

* Oil pollution in 1997.

River and Code : **GLENTORNAN** **38/G/06**
Tributary of : Lough Nacung Upper OS Catchment No: 23
OS Grid Ref : B 898 191 Date(s) Surveyed : 19-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Just u/s Lough Nacung	5	5	5	4-5

Assessment: Satisfactory but with somewhat more filamentous algae than in 1997.

River and Code : **GWEEBARRA** **38/G/02**
Tributary of : Sea - Gweebarra Bay OS Catchment No: 48
OS Grid Ref : G 797 997 Date(s) Surveyed : 09-Nov-00

No.	Location	Biological Quality Ratings (Q Values)						
		1973	1980	1985	1990	1994	1997	2000
0100	Pollglass Bridge	-	5	5	5	4-5	5	5
0200	N.E. of Belflaght	-	5	-	-	3	3-4	4-5
0300	Bridge in Doocharry	5	5	5	4-5	4-5	5	4-5

Assessment: Following a further improvement at Station 0200 where algal growths remained significant the Gweebarra River was satisfactory everywhere surveyed in November 2000. Upper reaches (0100) continued to be highly satisfactory.

River and Code : **GWEEDORE** **38/G/03**
Tributary of : Sea - Gweedore Bay OS Catchment No: 22
OS Grid Ref : B 827 212 Date(s) Surveyed : 19-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
West Branch			
0100 1.2 km u/s Crolly Bridge	4	5	4-5
East Branch			
0200 1.2 km u/s Crolly Bridge	3-4	3	3
Main Channel			
0300 Br 1.4 km d/s Crolly Bridge	4-5	4-5	4-5

Assessment: The West Branch and the Main Channel remained satisfactory in October 2000 but the East Branch of the Gweedore River (0200) continued to be significantly polluted by discharges from a water treatment works.

River and Code : **LACKAGH** **38/L/01**
Tributary of : Sea - Sheep Haven OS Catchment No: 27
OS Grid Ref : C 094 312 Date(s) Surveyed : 23-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Lackagh Bridge	4	4	4	4

Assessment: Because of its proximity to the sea the fauna at Lackagh Bridge is affected by salt intrusion and has few freshwater species. Quality was judged to be satisfactory with the river achieving its ecological potential.

River and Code : **LOUGH AGHER STREAM** **38/L/02**
Tributary of : Ray OS Catchment No: 3
OS Grid Ref : B 959 311 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1973	1986	1990	1994	1997	2000
0100 Ford 1.5 km u/s Ray River	5	4-5	4-5	-	-	-
0200 Bridge at Dunmore Upper	-	4	5	4	4	4-5

Assessment: Satisfactory.

River and Code : **LOUGHKEEL BURN** **38/L/03**
Tributary of : Bunlin OS Catchment No: 30
OS Grid Ref : C 183 279 Date(s) Surveyed : 13-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0400	Bridge u/s Bunlin River confl	4-5	4	4	3

Assessment: A significant deterioration was noted in the Loughkeel Burn in October 2000. The catchment is afforested, with mature trees upstream of the sampling point.

River and Code : **MURLIN** **38/M/03**
Tributary of : Sea - Glen Bay OS Catchment No: h6
OS Grid Ref : G 527 847 Date(s) Surveyed : 18-Oct-00

No.	Location	Biological Quality Ratings (Q Values)		
		1994	1997	2000
0400	Straid Bridge	4-5	4-5	4-5

Assessment: Satisfactory and little changed since 1997.

River and Code : **OWENATOR** **38/O/01**
Tributary of : Lough Anure OS Catchment No: 22
OS Grid Ref : B 823 168 Date(s) Surveyed : 19-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Ford N. of Lough Agher	4	4	4-5	4-5

Assessment: Satisfactory conditions continued in the Owenator River in October 2000.

River and Code : **OWENAWILLIN** **38/O/10**
Tributary of : Sea - Ballyness Bay OS Catchment No: 20
OS Grid Ref : B 895 310 Date(s) Surveyed : 01-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0200 Br at Rocking Stone	-	-	3-4	3-4
0300 Bridge E. of Derryconor	4-5	4	-	-

Assessment: The Owenawillin River appeared not to be achieving its full ecological potential with lack of pollution-sensitive species again noted at the location surveyed in early September 2000.

River and Code : **OWENCARROW** **38/O/03**
Tributary of : Glen Lough OS Catchment No: 27
OS Grid Ref : C 087 278 Date(s) Surveyed : 23-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1973	1980	1985	1990	1994	1997	2000
0100 Glenveagh Bridge	4	4	-	-	-	-	-
0150 500 m d/s Glenveagh Bridge	-	-	4	4-5	4	4	4-5
0200 Owencarrow Bridge	-	5	5	5	-	-	-
0300 New Bridge	5	-	5	5	4	4-5	4-5

Assessment: The Owencarrow River flows from Lough Beagh in a National Park and is of high quality over its length. The upper portion is lake-influenced with a predominance of filter-feeding invertebrates in the fauna.

River and Code : **OWENCRONAHULLA** **38/O/09**
Tributary of : Sea - N. of Gweedore Bay OS Catchment No: 19
OS Grid Ref : B 809 266 Date(s) Surveyed : 01-Sep-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Stramartin Bridge	5	4-5	4-5	4-5

Assessment: Satisfactory conditions continued in this river in September 2000.

River and Code : **OWENEA** **38/O/04**
Tributary of : Sea - Loughros More Bay OS Catchment No: 50
OS Grid Ref : G 734 919 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1973	1977	1980	1984	1990	1994	1997	2000
0040 Br at Tangaveane	-	-	-	-	-	-	5	4-5	4-5
0100 Bridge S. of Mullanmore	5	5	5	5	4-5	5	5	4-5	4-5
0300 Footbr 2 km d/s Stracashel R	5	5	5	5	5	4	4	5	4
0500 Owenea Bridge	5	5	5	4	4	4	4	4-5	4

Assessment: The Owenea River continued to be satisfactory in August 2000 albeit with a slight decline in quality in the lower section (0300,0500) in comparison with 1997.

River and Code : **OWENNAMARVE** **38/O/05**
Tributary of : Sea - Trawenagh Bay OS Catchment No: 47
OS Grid Ref : B 781 066 Date(s) Surveyed : 08-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Owennamarve Bridge	4	4	-	4-5
0300 Derrydruck Bridge	4	4	4-5	4-5

Assessment: The Owennamarve River continued in satisfactory condition over the length sampled in 2000.

River and Code : **OWENTOCKER** **38/O/06**
Tributary of : Sea - Loughros More Bay OS Catchment No: 56
OS Grid Ref : G 728 906 Date(s) Surveyed : 29-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)								
	1971	1973	1977	1980	1984	1990	1994	1997	2000
0010 Ford E Tullybane	-	-	-	-	-	-	4	4-5	4-5
0050 Bridge S. of Kilrean	-	5	-	5	5	5	4	4-5	4-5
0200 Bridge S. of Doochill	-	-	-	5	4-5	-	4-5	-	4-5
0300 500 m d/s Bridge in Ardara	5	5	5	4	3-4	4	4	4	2-3

Continued

OWENTOCKER (Continued)

Assessment: Quality was satisfactory in the upper and middle reaches of the Owentocker (0010, 0050, 0200) in late August 2000 but a significant deterioration was noted downstream of Ardara (0300) where sewage fungus growths were observed and sensitive invertebrates were not observed.

River and Code : **OWENVEAGH** **38/O/14**
Tributary of : Lough Veagh OS Catchment No: 27
OS Grid Ref : C 004 190 Date(s) Surveyed : 23-Nov-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0080 At Glenveagh Cottage	5	5	5	5

Assessment: Quality continues to be of the highest standard in the Owenveagh River, which flows into Lough Beagh in a national park.

River and Code : **OWENWEE (DOOCHARRY)** **38/O/07**
Tributary of : Gweebarra OS Catchment No: 48
OS Grid Ref : B 870 069 Date(s) Surveyed : 20-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Br 500 m N.E. of Dernaflanogy Br	5	4-5	-	4-5
0250 500 m u/s Gweebarra River	5	4-5	4-5	5

Assessment: As indicated by the high faunal diversity and the wide range of sensitive species, water quality continued to be of a high or very high standard in the Owenwee River in October 2000.

River and Code : **OWENWEE (DUNLEWY)** **38/O/12**
Tributary of : Cronaniv Burn OS Catchment No: 23
OS Grid Ref : B 930 187 Date(s) Surveyed : 01-Sep-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0200	Bridge u/s Cronaniv Burn	5	4	5	4-5

Assessment: Continuing satisfactory in September 2000.

River and Code : **OWENWEE (GLEN LOUGH)** **38/O/13**
Tributary of : Glen Lough OS Catchment No: 27
OS Grid Ref : C 099 284 Date(s) Surveyed : 13-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0100	Bridge u/s Glen Lough	5	5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **OWENWEE (LOUGHROS)** **38/O/08**
Tributary of : Sea - Loughros Beg Bay OS Catchment No: h6
OS Grid Ref : G 664 905 Date(s) Surveyed : 18-Oct-00

No.	Location	Biological Quality Ratings (Q Values)			
		1990	1994	1997	2000
0050	Bridge 1 km u/s Maghera	4-5	4-5	4-5	4-5

Assessment: Satisfactory, no change.

River and Code : **PORT STREAM** **38/P/01**
Tributary of : Sea: N. of Sturrall OS Catchment No: h6
OS Grid Ref : G 547 890 Date(s) Surveyed : 18-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)		
	1994	1997	2000
0100 Br S of Port	3-4	4-5	5

Assessment: The Port Stream is one of Ireland's more remote rivers flowing through a treeless catchment with no inhabitants. Faunal diversity and quality had improved again in 2000 vis a vis 1997 and 1994 in particular when sheep overgrazing appeared to have impacted on the system.

River and Code : **RAY** **38/R/01**
Tributary of : Sea - S.W. of Dooros Point OS Catchment No: 3
OS Grid Ref : B 948 348 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1973	1985	1990	1994	1997	2000
0100 Ford E.S.E. of Drumfin	4-5	4-5	5	4	4	4
0200 Br near Carrowcannon Upper	5	5	5	4-5	4-5	4

Assessment: Remaining satisfactory but quality lower than previously at 0200.

River and Code : **SHALLOGAN** **38/S/03**
Tributary of : Stracashel OS Catchment No: 50
OS Grid Ref : G 838 965 Date(s) Surveyed : 20-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0300 Just u/s Stracashel River	4-5	4-5	4-5	4-5

Assessment: Continuing satisfactory.

River and Code : **SRUHANNAMEEL** **38/S/02**
Tributary of : Lough Nacung Upper OS Catchment No: 23
OS Grid Ref : B 902 188 Date(s) Surveyed : 19-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)			
	1990	1994	1997	2000
0100 Just u/s Lough Nacung	5	4	4	4-5
Assessment:	Satisfactory and slightly improved since 1997.			

River and Code : **STRACASHEL** **38/S/01**
Tributary of : Owenea OS Catchment No: 50
OS Grid Ref : G 813 937 Date(s) Surveyed : 20-Oct-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)						
	1973	1977	1981	1990	1994	1997	2000
0050 Bridge d/s Shallogan River	-	-	5	5	4-5	5	5
0100 Bridge S.E. of Woodtown	5	5	5	-	-	-	-
0200 500 m d/s Bridge in Glenties	4-5	3-4	4-5	3-4	4	4	4

Assessment: While the upper Stracashel (0050) continued to be of the highest quality standard, the section downstream of Glenties (0200) showed some impairment due to obvious sewage effluents and, although conditions were satisfactory in late October 2000, sewage inputs could cause problems in low-flow, summer conditions.

River and Code : **TULLAGHOBEGLY** **38/T/01**
Tributary of : Sea - Ballyness Bay OS Catchment No: 24
OS Grid Ref : B 923 320 Date(s) Surveyed : 30-Aug-00

Sampling Stations No. Location	Biological Quality Ratings (Q Values)					
	1973	1986	1990	1994	1997	2000
0090 U/s Ford 1.5 km d/s L Altan	-	-	5	4-5	4-5	4-5
0100 Ford 1.5 km d/s Lough Altan	-	5	2-3	2-3	2	2-3
0200 2.5 km SW of Drumfin	5	4	-	-	-	-
0400 Bellina Bridge	-	5	5	4-5	4-5	4

Assessment: Despite low water levels which are thought to have contributed to the development of extensive algal growths, conditions were assessed as satisfactory in the upper (0090) and lower (0400) reaches of the Tullaghobegley River but significant pollution by suspected fish farm effluent continued in the area below Lough Altan (0100) in late August 2000.

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OWENWEE (DOOCHARRY) - 38/O/07	198
OWENWEE (DUNLEWY) - 38/O/12	199
OWENWEE (GLEN LOUGH) - 38/O/13	199
OWENWEE (LOUGHROS) - 38/O/08	199
OWNAGAPPUL - 21/O/09	119
OWNAHINCHY - 20/O/03	104
OWNGAR (CORK) - 21/O/04	119
OWREAGH - 21/O/05	120

Note on Alternative River Names

The great majority of the names assigned to rivers in this Report are those shown on the One-Inch and Half-Inch Ordnance Survey Maps and which are in everyday usage. However, in many instances the maps denote different reaches of rivers by separate names, at times without there being an obvious boundary between the designations. In addition, very many of the rivers (major watercourses such as the Barrow, Erne or Shannon excepted) will have local names which do not find their way onto official maps or records. Clearly, the topic is one of great complexity and one which is unlikely ever to be covered definitively.

The names adopted in this Report reflect the usages of the monitoring agencies, national and local, and are considered to be the most reasonable choices. It is recognised that some of the designations are arbitrary, but this is unavoidable. However, where the compilers of this Report are aware of alternative river names details have been presented in the table below. It should be noted that some of such alternative river names may, on maps or in local usage, refer to specific reaches rather than to rivers as a whole.

River Name	River Name Adopted in Report
ACORE	See <i>MONFELIM</i> [14/M/03]
AFFICK	See <i>RINE</i> [27/R/01]
AGHASLANE	See <i>AGHACASHLAUN</i> [36/A/03]
AHACLARE	See <i>OWENOGARNEY</i> [27/O/01]
AHAPHUCA	See <i>SHEEP</i> [18/S/03]
ALTDERG	See <i>OWENMORE</i> [MAYO] [33/O/04]
ALTNACALLY STREAM	See <i>GWEEBARRA</i> [38/G/02]
ANNAGH [GALWAY]	See <i>BOLEYNEENDORRISH</i> [29/B/04]
ANNAMOE	See <i>AVONMORE</i> [10/A/05]
ARAGLEN	See <i>OWENTARAGLIN</i> [18/O/09]
ARDSOLLUS	See <i>RINE</i> [27/R/01]
ARDULTAGH	See <i>KILCROW</i> [25/K/01]
ATTYCHRAAN	See <i>FUNSHION</i> [18/F/05]
AUGHASLANE	See <i>AGHACASHLAUN</i> [36/A/03]
AUGHAVARIA	See <i>BILBOA</i> [25/B/03]
BACK BURN	See <i>MILL</i> [DONEGAL] [39/M/02]
BALLINLOUGH (Longford)	See <i>RHINE</i> (26/R/04)
BALLINTRILLICK	See <i>BALLAGHNATRILLICK</i> [35/B/02]
BALLYBEG [TIPPERARY]	See <i>BREAGAGH</i> [TIPP] [16/B/03]
BALLYGRIFFY	See <i>SHALLEE</i> [27/S/01]
BALLYMACDONNELL	See <i>OWENOGARNEY</i> [27/O/01]
BALLYMAHON [SUIR]	See <i>FARNEYBRIDGE</i> [16/F/02]
BALLYNAHOW	See <i>FARNEYBRIDGE</i> [16/F/02]
BALTRACEY	See <i>CLONSHANBO</i> [09/C/03]
BARDINCH	See <i>SULLANE</i> [19/S/02]
BARNES	See <i>ESKE</i> [37/E/05]
BARORA	See <i>Moynalty</i> (07M03)
BARRA	See <i>GWEEBARRA</i> [38/G/02]
BAURERAGH	See <i>SHEEN</i> [21/S/01]
BAUTEOGE	See <i>STRADBALLY</i> [14/S/02]
BAWNUFF	See <i>OWENDUFF</i> [BLACKSOD] [33/O/01]
BEALBOY	See <i>YELLOW</i> [FOXFORD] [34/Y/01]
BEALNACARRA	See <i>RECESS</i> [31/R/01]

Alternative River Names [Continued]

River Name

BELLADOOAN
BELVIEW
BLACK [DRISH]
BLACK [KILDARE/LAOIS]
BLACK [LOUTH]
BOHERBAUN
BOOLAHALLAGH
BOOLYREE
BREANOGE
BROCKAGH
BUINGEA
BUNGOSTEEN
BUNOWEN [SUCK]
BUNRATTY
CAHER
CALVERSTOWN STREAM
CAMOWEN
CAPPAGH [FLESK]
CARHEENY
CARN
CARNAHORNA
CARROWBEG [WESTPORT]
CARROWKEEL [DEALAGH]
CASTLE
CASTLEPOOK
CLADDAGH
CLARE [TIPPERARY]
CLARIN
CLAUREEN [CLARE]
CLOGHATANNY
CLOGHER BURN
CLOGHOGE RIVER
CLONARD
CLONBROCK
CLONYMEATH
CLOON [MAYO]
CLOONARD
CLOONASCRAUGH
CLYDAGH [KERRY]
COARSE
COOKSTOWN
COORACLARE
CORBAUN
CORKER
CORDUFF
CORLEA
CORRIES
CORYDOO
CUONTY (SLIGO/FERMANAGH)
COUMNAGUN
CREGGAN

River Name Adopted in Report

See BREAGHWY [34/B/06]
See ATHBOY [07/A/01]
See DRISH [16/D/02]
See FIGILE [14F01]
See RASKEAGH [06/R/02]
See TULLY STREAM [14/T/02]
See FINISK [18/F/02]
See RINE [27/R/01]
See AUGHBOY [WEXFORD] [11/A/02]
See OWENNABROCKAGH [32/O/04]
See CUMMER [19/C/02]
See STRAGAR [37/S/02]
See AHASCRAUGH [26/A/01]
See OWENOGARNEY [27/O/01]
See GRANEY [SHANNON] [25/G/04]
See KILCULLEN STREAM [09/K/02]
See CRANA [39/C/02]
See FINOW [22/F/04]
See MOYREE [27/M/02]
See CLOONALAGHAN [33/C/01]
See FAYMORE [38/F/01]
See WESTPORT [32/W/01]
See DEALAGH [28/D/01]
See CULLIES [36/C/03]
See BREGOGE [18/B/04]
See SWANLINBAR [36/S/01]
See ANNAGH [TIPPERARY] [25/A/02]
See CLARINBRIDGE [29/C/02]
See INCH [CLARE] [27/I/01]
See MOATE STREAM (25/M/05)
See CLOGHER [FINN] [01/C/06]
See AVONMORE [10/A/05]
See KINNEGAD [07/K/01]
See AHASCRAUGH [26/A/01]
See KNIGHTSBROOK [07/K/02]
See AILLE [MAYO] [30/A/02]
See FRANCIS [26/F/05]
See BALLINURE [26/B/01]
See FLESK [KERRY] [22/F/02]
See OWENGARVE [SLIGO] [34/O/03]
See GLENCULLEN [10/G/02]
See DOONBEG [28/D/02]
See RHINE [26/C/08]
See OILY [37/O/01]
See BALLOUGH STREAM [08/B/03]
See BLEACH [25/B/07]
See BACK [BORRIS] [14/B/06]
See CARTRON [33/C/02]
See KILCOO [35/K/04]
See OWENOGARNEY [27/O/01]
See CASTLETOWN [06/C/01]

Alternative River Names [Continued]

River Name

CROAGH
CROLLY
CROMOGE
CRONAMUCK
CRONANTY BURN
CROWAGH
CRUMLIN [CORRIB]
CRUMPAUN (LAOIS)
CUCKOO STREAM
CULLEEN
CULLENAGH
CULLYHANNA
CULLY STREAM
CURMEEN STREAM
CUSH
CUSHALING
DANGAN
DANGANSALLAGH
DEANSGRANGE STREAM
DERRY [ROCHFORTBRIDGE]
DERRYPATRICK
DERRYRAANE
DININ [BARROW]
DONARD BROOK
DOONANALLA
DOOYERTHA
DRUMSILLAGH
DUNDONNELL STREAM
DUNKELLIN
DURRUS
EEL WEIR STREAM
FINSHENAGH STREAM
FORKHILL
FRIAR'S LOUGH STREAM
FUARAWN
FURROOR
GALLANAGH STREAM
GARRA
GEESLAUN
GLANAGEENTY
GLANMORE
GLASHA (LAOIS)
GLASHA STREAM (BARROW)
GLENDREE
GLENEELY
GLENGLOSH
GLENMALURE
GLENNADEEGAN
GLENOMRA
GLENNTOGHER
GLENUMMERA

River Name Adopted in Report

See BUNCROWEY [35/B/09]
See GWEEDORE [38/G/03]
See FISHMOYNE [16/F/03]
See CLOGHER [FINN] [01/C/06]
See CRONANIV BURN [38/C/06]
See BUNCROWEY [35/B/09]
See DOOGHTA [30/D/02]
See Killeen Stream [14/K/04]
See MAYNE [09/M/03]
See LEAFFONY [34/L/01]
See INAGH [ENNISTYMON] [28/I/01]
See CASTLETOWN [06/C/01]
See SMALL (25/S/05)
See CLYDA [18/C/02]
See Triogue [14T01]
See FIGILE [14/F/01]
See KNIGHTSBROOK [07/K/02]
See FINNOW [FOHERISH] [19/F/01]
See KILL OF THE GRANGE [10/K/02]
See ROCHFORTBRIDGE STR.[07/R/04]
See BOYCETOWN [07/B/03]
See O'CALLAGHANSMILLS [27/O/03]
See BLACK [BORRIS] [14/B/06]
See BROWNS BECK BROOK [12/B/03]
See OWENNAYLE (26/O/05)
See RAFORD [29/R/01]
See Mountrice 25/M/03
See KILLEGLAN [26/K/04]
See KILCOLGAN [29/K/01]
See FOUR MILE WATER [21/F/02]
See KILTACLARE STREAM [26/K/06]
See CLONSHIRE [24/C/03]
See KILCURRY [06/K/02]
See LORRHA STREAM [25/L/05]
See CLAREEN STREAM (25C13)
See INCH [CLARE] [27/I/01]
See CONAWARY [03/C/02]
See DRUMCONRATH [06/D/04]
See POLLAGH [34/P/01]
See LITTLE MAINE [22/L/02]
See CROANSHAGH [21/C/05]
See DUNRALLY STREAM [14D05]
See LEVITSTOWN STREAM [14/L/02]
See CLOGHAUN [25/C/07]
See CULDAFF [40/C/02]
See BEALANABRACK [30]
See AVONBEG [10/A/04]
See TARSAGHAUNMORE [33/T/01]
See BROADFORD [27/B/02]
See DONAGH [40/D/01]
See BUNDORRAGHA [32/B/01]

Alternative River Names [Continued]

River Name	River Name Adopted in Report
GLOREEN	See BALLYROAN [15/B/01]
GORT	See CANNAHOWNA [29/C/01]
GORTLOUGHRA	See OWVANE [CORK] [21/O/07]
GRAIGUE	See AWBEG [BUTTEVANT] [18/A/05]
GRANGE [ROSCOMMON]	See OWENUR [26/O/06]
GREYGROVE	See DOONBEG [28/D/02]
HARTWELL STREAM	See RATHMORE STREAM [09/R/02]
HOLLYMOUNT	See MOYREE [27/M/02]
INCHALUGHOGHE	See OWENOGARNEY [27/O/01]
IRE	See ISKE SULLAS (16/I/01)
ISKULE STREAM	See ALLAGHAUN [23/A/01]
IVALE	See RATHCOOL [18/R/01]
KEELOGYBOY STREAM	See WILLSBOROUGH STREAM [35/W/01]
KERRY	See GLENGARRIFF [21/G/03]
KILGORMAN	See INCH [WEXFORD] [11/I/01]
KILL [LIFFEY]	See PAINESTOWN [09/P/01]
KILLACLOGHER	See ABBERT [30/A/01]
KILLEEN STREAM	See MILLTOWN STREAM [12/M/02]
KILLEGAR	See CULLIES [36/C/03]
KILLEGAR STREAM	See LAHEEN STREAM [36/L/02]
KILLIMOR	See KILCROW [25/K/01]
KILLINAPARSON STREAM	See COUNTY [LAOIS/OFFALY] [25/C/21]
KILLORAN	See KILCROW [25/K/01]
KILMAINHAM	See DEE [06/D/01]
KILMALEY	See INCH [CLARE] [27/I/01]
KILTHA	See WOMANAGH [19/W/01]
KILWARDEN	See KINNEGAD [07/K/01]
LABBADISH	See LESLIE HILL STREAM [39/L/05]
LAGAN	See GLYDE [06/G/02]
LATOON	See RINE [27/R/01]
LAVALLY	See CLARINBRIDGE [29/C/02]
LEGAN STREAM	See LENAMORE STREAM [26/L/06]
LISFARRELL STREAM	See CLOONCOOSE STREAM [26/C/20]
LOUGH ALICK STREAM	See CORROY [34/C/06]
LOUGH TALT	See EIGHNAGH [34/E/01]
LOUGHEA	See GRANEY [SHANNON] [25/G/04]
LOUGHINN	See GLENNAGANNON [40/G/01]
MEENATOMISH	See CRANA [39/C/02]
MILL [GALWAY]	See CLARINBRIDGE [29/C/02]
MOANAHA	See NENAGH [25/N/01]
MOINEEN	See BISHOP'S L. STREAM [26/B/13]
MONGAGH	See CASTLEJORDAN [07/C/04]
MOONEEN	See BUNOW [25/B/25]
MOYNALVY	See KNIGHTSBROOK [07/K/02]
MUINGERROON NORTH STREAM	See BELLANABOY [33/B/07]
MULKEAR [TIPPERARY]	See NEWPORT [TIPPERARY] [25/N/02]
MULLAHEERA	See DEEL [NEWCASTLEWEST][24/D/02]
NEWBRIDGE	See CULLIES [36/C/03]
OILTIAGH BROOK	See KNICKEEN [12/K/01]
OULYSALLIS	See DIRTY [20/D/01]
OWBAUN	See OWBEG [ROUGHTY] [21/O/02]

Alternative River Names [Continued]

River Name	River Name Adopted in Report
OWENABINDERG	See STRAID [40/S/01]
OWENACHARRA	See INNY (26/I/01)
OWENAGLAGGIN	See NAD [18/N/01]
OWENALTDERRY	See RAY [38/R/01]
OWENBEAGH	See OWENVEAGH [38/O/14]
OWENBEG [CALABBER]	See CALABBER [38/C]
OWENBEG [NORE]	See OWVEG [NORE] [15/O/01]
OWENBOY [COOLANEY]	See OWENBEG [COOLANEY] [35/O/01]
OWENCAM	See CULDAFF [40/C/02]
OWENDUFF [SLIGO]	See DUNNEILL [35/D/06]
OWENGARR	See BUNDORRAGHA [32/B/01]
OWENINY	See OWENMORE [MAYO] [33/O/04]
OWENKILLEW	See MILL [DONEGAL] [39/M/02]
OWENMORE [BALLINA]	See GLENREE [34/G/01]
OWENMORE [CLIFDEN]	See RECESS [31/R/01]
OWENMORE [CLOONAGHMORE]	See CLOONAGHMORE [34/C/03]
OWENMORE [ERRIFF]	See ERRIFF [32/E/01]
OWENNASHRONE	See LEE [CORK] [19/L/03]
OWENROE [MOYNALTY]	See Moynalty (07M03)
OWENROE [OWENTOCKER]	See OWENTOCKER [38/O/06]
OWENYKEEVAN	See FINNED [35/F/01]
PARK	See NADREEGEEL L.STREAM [07/N/01]
POLLARDSTOWN STREAM	See CLONCUMBER STREAM [14C17]
POULANEIGH	See BREAGAGH [TIPP.] [16/B/03]
QUIN	See RINE [27/R/01]
RAMPART	See BLACKWATER [KELLS] [07/B/01]
RAMPART STREAM	See NEWMARKET STREAM [18/N/02]
RATHROE	See BREAGHWY [34/B/06]
RATTY	See OWENOGARNEY [27/O/01]
RIVERSTOWN	See BIG [LOUTH] [06/B/01]
ROSNAMUCKYDUFF	See BELLAWADDY [34/B/05]
SCARDAN	See OWENMORE[MANORHAMILTON][35/O/02]
SCARRIFF	See GRANEY 25/G/04
SCRAMOGE [SOUTH]	See LISSAPHOBLE [26/L/04]
SHANOW	See BRICK [23/B/03]
SHANOWEN [DONEGAL]	See DUNTALLY [38/D/03]
SHEAN	See SHEEN [21/S/01]
SHIVEN [NORTH]	See KILLIAN [26/K/01]
SKIVILEEN	See CREEGH [28/C/02]
SLIEVENOHERA	See KILLEENGARRIFF [25/K/02]
SOOLVANE	See FARNEYBRIDGE [16/F/02]
SRUELL	See EANYMORE WATER [37/E/02]
SRUHANACROW MORE	See SHALLOGAN [38/S/03]
STONESTOWN	See STONYFORD [07/S/02]
STRANAGARTAN STREAM	See GLEN [CARRICK] [37/G/01]
TICKNOCK STREAM	See TEMPLERAINY STREAM [10/T/04]
TIMOQUE	See CROOKED [STRADBALLY] 14C02
TIMAHOE	See STRADBALLY [14S02]
TOGHER	See DOUGLAS [BRIDE] [18/D/02]
TOMEEN	See RINE [27/R/01]
TOOR BROOK	See LEMONSTOWN STREAM [09/L/03]

Alternative River Names [Continued]

River Name

TOOREEN
TOORMORE (Mayo)
TRAMORE [CORK]
TREMBLESTOWN
TROUGH
TUAM
TULLYVALLAN
TURRA
TWO MILE WATER
WHITE [LIMERICK]
WHITEHOUSE

River Name Adopted in Report

See COOLEEN [28/C/05]
See CASTLEBAR [34/C/01]
See DOUGLAS [LEE] [19/D/05]
See ATHBOY [07/A/01]
See BLACKWATER [CLARE] [25/B/06]
See NANNY [TUAM] [30/N/01]
See CASTLETOWN [06/C/01]
See BOLEYNEENDORRISH [29/B/04]
See ABBEY [36/A/01]
See OWVANE [LIMERICK] [24/O/02]
See STRAID [40/S/01]

An Ghníomhaireacht um Chaomhnú Comhshaoil

Bunú

Achtaíodh an tAcht fán nGníomhaireacht um Chaomhnú Comhshaoil ar an 23ú lá d'Aibreán, 1992 agus faoin reachtaíocht seo bunaíodh an Ghníomhaireacht go hoifigiúil ar an 26ú lá d'Iúil, 1993.

Cúraimí

Tá réimse leathan de dhualgais reachtúla ar an nGníomhaireacht agus de chumhachtaí reachtúla aici faoin Acht. Tá na nithe seo a leanas san áireamh i bpríomhfhreagrachtaí na Gníomhaireachta:

- ceadúnú agus rialáil próiseas mór/ilchastaitionsclaíoch agus próiseas eile a d'fhéadfadh a bheith an-truaillitheach, ar bhonn rialú comhtháite ar thruailliú (Integrated Pollution Control-IPC) agus cur chun feidhme na dteicneolaíochtaí is fearr atá ar fáil chun na críche sin;
- faireachán a dhéanamh ar cháilíocht comhshaoil, lena n-áirítear bunachair sonraí a chur ar bun a mbeidh rochtain ag an bpobal orthu, agus foilsíú tuarascálacha treimhsiúla ar staid an chomhshaoil;
- comhairle a chur ar údarais phoiblí maidir le feidhmeanna comhshaoil agus cuidiú le húdarais áitiúla a bhfeidhmeannas caomhnaithe a chomhlíonadh;
- cleachtais atá fónta ó thaobh an chomhshaoil de a chur chun cinn, mar shampla, trí úsáid iniúchtaí comhshaoil a spreagadh, cuspóirí cáilíochta comhshaoil a leagan síos agus cóid chleachtais a eisiúint maidir le nithe a théann i bhfeidhm ar an gcomhshaoil;
- taighde comhshaoil a chur chun cinn agus a chomhordú;
- gach gníomhaíocht thábhachtach diúscartha agus aisghabhála dramhaíola, lena n-áirítear líontaí talún, a cheadúnú agus a rialáil agus plean náisiúnta bainistíochta um dhramháil ghuaiseach, a bheidh le cur i ngníomh ag comhlachtaí eile, a ullmhú agus a thabhairt cothrom le dáta go tréimhsiúil;
- córas a fheidhmiú a chuirfidh ar ár gcumas astúcháin COS (Comhdhúiligh Orgánacha Shoghalaith) a rialú de bharr cáinníochtaí suntasacha peitрил a bheith á stóráil i dteirminéil;
- na rialúcháin OMG (Orgánaigh a Mionathraíodh go Géiniteach) a fheidhmiú agus a ghníomhú

maidir le húseaid shrianta a leithéad seo d'orgánaigh agus iad a scaoileadh d'aon turas isteach sa timpeallacht;

- clár hidriméadach náisiúnta a ullmhú agus a chur i ngníomh chun faisnéis maidir le leibhéil, toirteanna agus sruthanna uisce in aibhneacha, i lochanna agus i screamhuiscí a bhailiú, a anailisiú agus a fhoilsiú; agus
- maoirseacht i gcoitinne a dhéanamh ar chomhlíonadh a bhfeidhmeanna reachtúla caomhnaithe comhshaoil ag údarás áitiúla.

Stádas

Is eagrais poiblí neamhspleách í an Ghníomhaireacht. Is í an Roinn Comhshaoil agus Rialtais Áitiúil an coimirceoir rialtais atá aici. Cinntítear a neamhspleáchas trí na modhanna a úsáidtear chun an tArd-Stiúrthóir agus na Stiúrthóirí a roghnú, agus tríd an tsaoirse a dhearbhaíonn an reachtaíocht di gníomhú ar a conlán féin. Tá freagracht dhíreach faoin reachtaíocht aici as réimse leathan feidhmeannas agus cuireann sé seo taca breise lena neamhspleáchas. Faoin reachtaíocht, is coir é iarracht a dhéanamh dul i gcion go míchuí ar an nGníomhaireacht nó ar aon duine atá ag gníomhú thar a ceann.

Eagrú

Tá ceanncheathrú na Gníomhaireachta lonnaithe i Loch Garman agus tá cúig fhoireann chigireachta aici, atá lonnaithe i mBaile Átha Cliath, Corcaigh, Cill Chainnigh, Caisleán an Bharraigh agus Muineachán.

Bainistíocht

Riarann Bord Feidhmiúcháin lánaimseartha an Ghníomhaireacht. Tá Ard-Stiúrthóir agus ceathrar Stiúrthóirí ar an mBord. Ceapann an Rialtas an Bord Feidhmiúcháin de réir mionrialacha atá leagtha síos san Acht.

Coiste Comhairleach

Tugann Coiste Comhairleach ar a bhfuil dáréag ball cunamh don Ghníomhaireacht. Ceapann an tAire Comhshaoil agus Rialtais Áitiúil na baill agus roghnaítear iad, den chuid is mó, ó dhaoine a ainmníonn eagraíochtaí a bhfuil suim acu i gcúrsaí comhshaoil nó forbartha. Tá réimse fairsing feidhmeannas comhairleach ag an gCoiste faoin Acht, i leith na Gníomhaireachta agus i leith an Aire araon.