Environmental Protection Report

River Torridge Catchment River Water Quality Classification 1991

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RIVER WATER QUALITY IN THE RIVER TORRIDGE CATCHMENT

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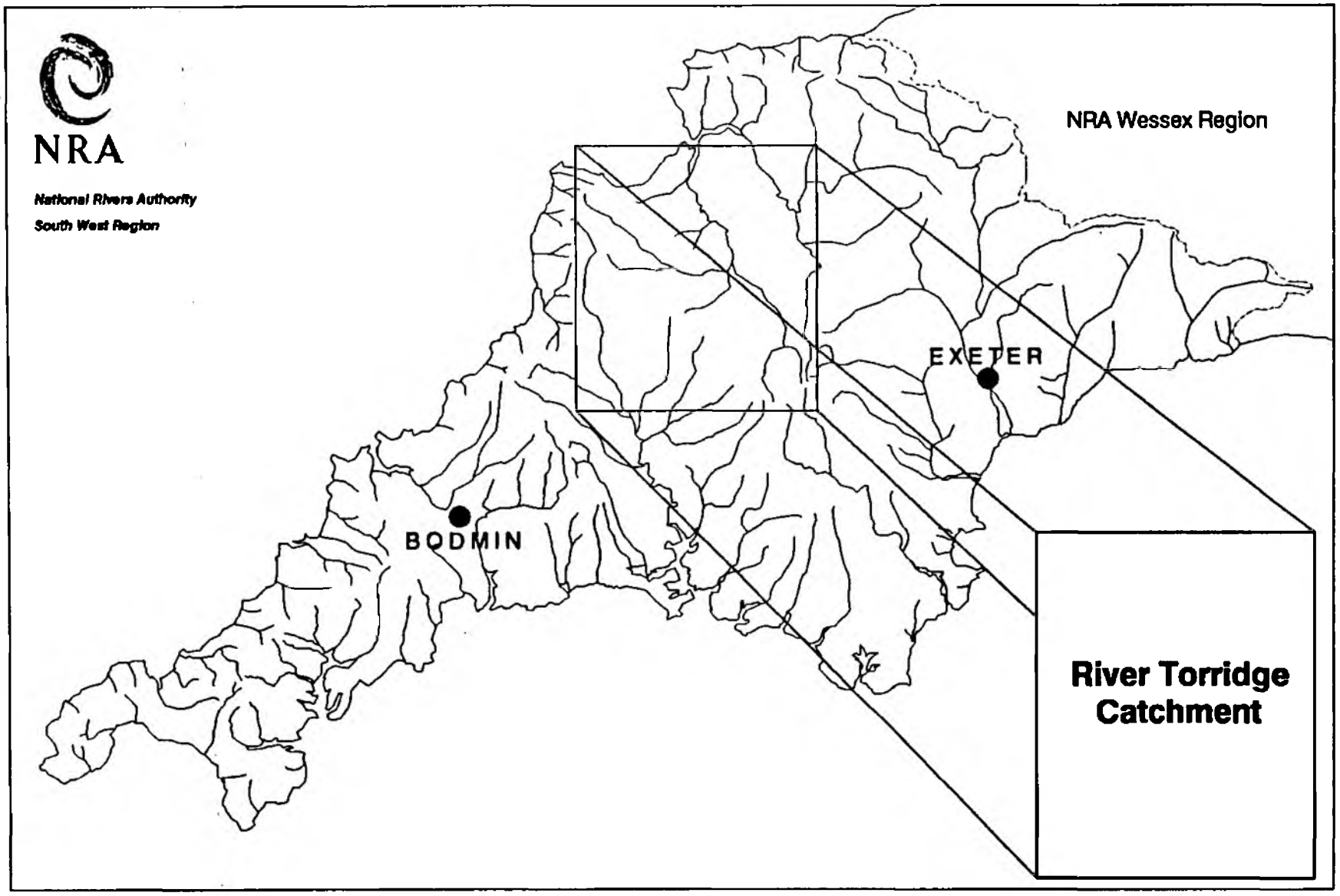
National Rivers Authority
South West Region



River Torridge Catchment

1. INTRODUCTION

Monitoring to assess the quality of river waters is undertaken in thirty-four catchments within the region. As part of this monitoring programme samples are collected routinely from selected monitoring points at a pre-determined frequency per year, usually twelve spaced at monthly intervals. Each monitoring point provides data for the water quality of a river reach (in kilometres) upstream of the monitoring point.

Each water sample collected from each monitoring point is analysed for a range of chemical and physical constituents or properties known as determinands. The analytical results for each sample are entered into a computer database called the Water Quality Archive.

Selected data are accessed from the Archive so that the quality of each river reach can be determined based on a River Classification System developed by the National Water Council (NWC), (7.1).

This report presents the river water quality classification for 1991 for monitored river reaches in the River Torridge catchment.

2. RIVER TORRIDGE CATCHMENT

The River Torridge flows over a distance of 75.8 km from its source to the tidal limit, (Appendix 8.1). Water quality was monitored at thirteen locations on the main river; twelve of these sites were sampled at approximately monthly intervals. The site at Beam Bridge, which is a National Water Quality monitoring point, was sampled fortnightly.

The River Yeo (Bideford) flows over a distance of 12.7 km from its source to the tidal limit in the Torridge Estuary, (Appendix 8.1) and was monitored at four locations.

Throughout the Torridge catchment thirteen secondary, fifteen tertiary and one quaternary tributaries of the River Torridge were monitored at approximately monthly intervals.

In addition Melbury, Gammaton, Jennetts, Darracott and Meldon Reservoirs were all monitored at approximately monthly intervals at one location.

2.1 SECONDARY TRIBUTARIES

The River Okement flows over a distance of 33.0 km from its source to the confluence with the River Torridge, (Appendix 8.1) and was monitored at eleven locations.

The River Waldon (20.5 km) and the River Lew (17.8 km) were monitored at five locations between their source and confluence with the River Torridge, (Appendix 8.1).

The River Mere flows over a distance of 13.3 km from its source to the confluence with the River Torridge, (Appendix 8.1) and was monitored at three locations.

Cranford Water and the River Duntz flow over a distance of 5.5 km and 8.7 km respectively from their source to the confluence with the River Torridge, (Appendix 8.1) and were both monitored at two locations.

Clifford Water (6.0 km), Whiteleigh Water (7.6 km), Mussel Brook (8.1 km), Woolleigh Brook (8.8 km), Common Lake Stream (5.2 km), Huntshaw Water (8.1 km) and Langtree Stream (7.4 km) were all monitored at one location. Monitoring points are all located in the lower reaches of these streams.

2.2 TERTIARY STREAMS

The North Lew Stream flows over a distance of 7.3 km before joining the River Lew, (Appendix 8.1) and was monitored at one location.

The East Okement (9.6 km) and Little Mere River (4.8 km) were both monitored at two locations between their source and the confluence with the Rivers Okement and Mere respectively.

Brightley Stream (2.4 km), Red-a-Ven (4.3 km), Lydeland Water (6.2 km), Seckington Water (4.1 km), Dipple Water (5.3 km), Cookbury Stream (6.5 km), Pulworthy Brook (9.3 km), Wagaford Water (8.7 km), Beckamoor Brook (6.5 km), Hookmoor Brook (10.5 km), Hole Brook (10.5 km) and Medland Brook (9.1 km) were all monitored at one location between their source and confluence. Monitoring points are all located in the lower reaches of these streams.

Each sample was analysed for a minimum number of determinands (Appendix 8.2) plus additional determinands based on local knowledge of the catchment. In addition, at selected sites, metal analyses were carried out.

The analytical results from all of these samples have been entered into the Water Quality Archive and can be accessed through the Water Resources Act Register, (7.2).

3. NATIONAL WATER COUNCIL'S RIVER CLASSIFICATION SYSTEM

3.1 River Quality Objectives

In 1978 River Quality Objectives (RQOs) were assigned to all river lengths that were part of the routine monitoring network and to those additional watercourses, which were not part of the routine network, but which received discharges of effluents.

For the majority of watercourses long term objectives were identified based on existing and assumed adequate quality for the long term protection of the watercourse. In a few instances short term objectives were identified but no timetable for the achievement of the associated long term objective was set.

The RQOs currently in use in the River Torridge catchment are identified in Appendix 8.1.

3.2 River Quality Classification

River water quality is classified using the National Water Council's (NWC) River Classification System (see Appendix 8.3), which identifies river water quality as being one of five quality classes as shown in Table 1 below:

Table 1 - National Water Council - River Classification System

Class	Description
1A	Good quality
1B	Lesser good quality
2	Fair quality
3	Poor quality
4	Bad quality

Using the NWC system, the classification of river water quality is based on the values of certain determinands as arithmetic means or as 95 percentiles (5 percentiles are used for pH and dissolved oxygen) as indicated in Appendices 8.4 and 8.4.1.

The quality classification system incorporates some of the European Inland Fisheries Advisory Commission (EIFAC) criteria (Appendix 8.3) recommended for use by the NWC system.

4. 1991 RIVER WATER QUALITY CLASSIFICATION

Analytical data collected from monitoring during 1989, 1990 and 1991 were processed through a computerised river water quality classification programme. This resulted in a quality class being assigned to each monitored river reach as indicated in Appendix 8.5.

The quality class for 1991 can be compared against the appropriate River Quality Objective and previous annual quality classes (1985-1990) also based on three years combined data, for each river reach in Appendix 8.5.

The river water classification system used to classify each river length is identical to the system used both in 1985 and 1990 for the Department of the Environment's Quinquennial River Quality Surveys. The determinand classification criteria used to determine the annual quality classes in 1985, subsequent years and for 1991 are indicated in Appendices 8.4 and 8.4.1.

The river quality classes for 1991 of monitored river reaches in the catchment are shown in map form in Appendix 8.6.

The calculated determinand statistics for pH, temperature, dissolved oxygen, biochemical oxygen demand (BOD), total ammonia, un-ionised ammonia, suspended solids, copper and zinc from which the quality class was determined for each river reach, are indicated in Appendix 8.7.

5. NON-COMPLIANCE WITH QUALITY OBJECTIVES

Those monitored river reaches within the catchment, which do not comply with their assigned (RQO), are shown in map form in Appendix 8.8.

Appendix 8.9 indicates the number of samples analysed for each determinand over the period 1989 to 1991 and the number of sample results per determinand, which exceed the determinand quality standard.

For those non-compliant river reaches in the catchment, the extent of exceedance of the calculated determinand statistic with the relevant quality standard (represented as a percentage), is indicated in Appendix 8.10.

6. GLOSSARY OF TERMS

RIVER REACH	A segment of water, upstream from sampling point to the next sampling point.
RIVER LENGTH	River distance in kilometres.
RIVER QUALITY OBJECTIVE	That NWC class,which protects the most sensitive use of the water.
95 percentiles	Maximum limits, which must be met for at least 95% of the time.
5 percentiles	Minimum limits, which must be met for at least 95% of the time.
BIOLOGICAL OXYGEN DEMAND (5 day carbonaceous ATU)	A standard test measuring the microbial uptake of oxygen - an estimate of organic pollution.
pH	A scale of acid to alkali.
UN-IONISED AMMONIA	Fraction of ammonia poisonous to fish, NH^3.
SUSPENDED SOLIDS	Solids removed by filtration or centrifuge under specific conditions.
USER REFERENCE NUMBER	Reference number allocated to a sampling point.
INFERRED STRETCH	Segment of water, which is not monitored and whose water quality classification is assigned from the monitored reach upstream.

7. REFERENCES

Reference

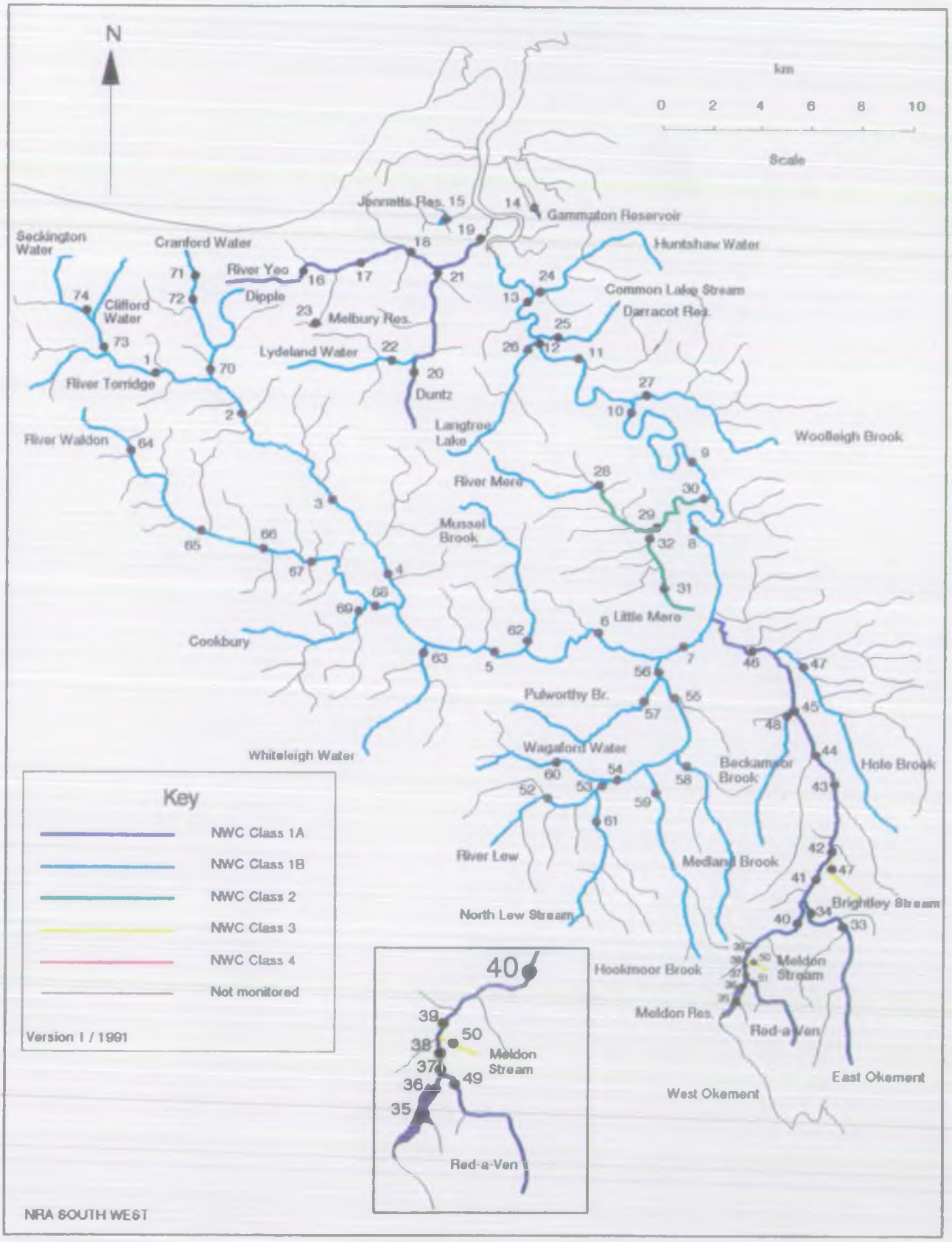
7.1 National Water Council (1977). River Water Quality: The Next Stage. Review of Discharge Consent Conditions. London.

7.2 Water Resources Act 1991 Section 190.

7.3 Alabaster J. S. and Lloyd R. Water Quality Criteria for Freshwater Fish, 2nd edition, 1982. Butterworths.

Torridge Catchment
River Quality Objectives

Appendix 8.1



BASIC DETERMINAND ANALYTICAL SUITE FOR ALL CLASSIFIED RIVER SITES

pH as pH Units

Conductivity at 20 C as uS/cm

Water temperature (Cel)

Oxygen dissolved % saturation

Oxygen dissolved as mg/l O

Biochemical oxygen demand (5 day total ATU) as mg/l O

Total organic carbon as mg/l C

Nitrogen ammoniacal as mg/l N

Ammonia un-ionised as mg/l N

Nitrate as mg/l N

Nitrite as mg/l N

Suspended solids at 105 C as mg/l

Total hardness as mg/l CaCO3

Chloride as mg/l Cl

Orthophosphate (total) as mg/l P

Silicate reactive dissolved as mg/l SiO2

Sulphate (dissolved) as mg/l SO4

Sodium (total) as mg/l Na

Potassium (total) as mg/l K

Magnesium (total) as mg/l Mg

Calcium (total) as mg/l Ca

Alkalinity as pH 4.5 as mg/l CaCO3

NWC RIVER QUALITY CLASSIFICATION SYSTEM

River Class	Quality criteria	Remarks	Current potential uses
	Class limiting criteria (95 percentile)		
1A Good Quality	(i) Dissolved oxygen saturation greater than 80% (ii) Biochemical oxygen demand not greater than 3 mg/l (iii) Ammonia not greater than 0.4 mg/l (iv) Where the water is abstracted for drinking water, it complies with requirements for A2* water (v) Non-toxic to fish in EIFAC terms (or best estimates if EIFAC figures not available)	(i) Average BOD probably not greater than 1.5 mg/l (ii) Visible evidence of pollution should be absent	(i) Water of high quality suitable for potable supply abstractions and for all abstractions (ii) Game or other high class fisheries (iii) High amenity value
1B Good Quality	(i) DO greater than 60% saturation (ii) BOD not greater than 5 mg/l (iii) Ammonia not greater than 0.9 mg/l (iv) Where water is abstracted for drinking water, it complies with the requirements for A2* water (v) Non-toxic to fish in EIFAC terms (or best estimates if EIFAC figures not available)	(i) Average BOD probably not greater than 2 mg/l (ii) Average ammonia probably not greater than 0.5 mg/l (iii) Visible evidence of pollution should be absent (iv) Waters of high quality which cannot be placed in Class 1A because of the high proportion of high quality effluent present or because of the effect of physical factors such as canalisation, low gradient or eutrophication (v) Class 1A and Class 1B together are essentially the Class 1 of the River Pollution Survey (RPS)	Water of less high quality than Class 1A but usable for substantially the same purposes
2 Fair Quality	(i) DO greater than 40% saturation (ii) BOD not greater than 9 mg/l (iii) Where water is abstracted for drinking water it complies with the requirements for A3* water (iv) Non-toxic to fish in EIFAC terms (or best estimates if EIFAC figures not available)	(i) Average BOD probably not greater than 5 mg/l (ii) Similar to Class 2 of RPS (iii) Water not showing physical signs of pollution other than humic colouration and a little foaming below weirs	(i) Waters suitable for potable supply after advanced treatment (ii) Supporting reasonably good coarse fisheries (iii) Moderate amenity value

3 Poor Quality	(i) (ii) (iii)	DO greater than 10% saturation Not likely to be anaerobic BOD not greater than 17 mg/l. This may not apply if there is a high degree of re-aeration	Similar to Class 3 of RPS	Waters which are polluted to an extent that fish are absent only sporadically present. May be used for low grade industrial abstraction purposes. Considerable potential for further use if cleaned up
4 Bad Quality		Waters which are inferior to Class 3 in terms of dissolved oxygen and likely to be anaerobic at times	Similar to Class 4 of RPS	Waters which are grossly polluted and are likely to cause nuisance
X		DO greater than 10% saturation		Insignificant watercourses and ditches not usable, where the objective is simply to prevent nuisance developing

Notes (a) Under extreme weather conditions (eg flood, drought, freeze-up), or when dominated by plant growth, or by aquatic plant decay, rivers usually in Class 1, 2, and 3 may have BODs and dissolved oxygen levels, or ammonia content outside the stated levels for those Classes. When this occurs the cause should be stated along with analytical results.

(b) The BOD determinations refer to 5 day carbonaceous BOD (ATU). Ammonia figures are expressed as NH_4. **

(c) In most instances the chemical classification given above will be suitable. However, the basis of the classification is restricted to a finite number of chemical determinands and there may be a few cases where the presence of a chemical substance other than those used in the classification markedly reduces the quality of the water. In such cases, the quality classification of the water should be down-graded on the basis of biota actually present, and the reasons stated.

(d) EIFAC (European Inland Fisheries Advisory Commission) limits should be expressed as 95 percentile limits.

* EEC category A2 and A3 requirements are those specified in the EEC Council directive of 16 June 1975 concerning the Quality of Surface Water intended for Abstraction of Drinking Water in the Member State.

** Ammonia Conversion Factors

(mg NH_4/l to mg N/l)

Class 1A	0.4 mg NH_4/l = 0.31 mg N/l
Class 1B	0.9 mg NH_4/l = 0.70 mg N/l
	0.5 mg NH_4/l = 0.39 mg N/l

NWC RIVER CLASSIFICATION SYSTEM

CRITERIA USED BY NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION FOR NON-METALLIC DETERMINANDS

River Class	Quality Criteria
1A	Dissolved oxygen % saturation greater than 80% BOD (ATU) not greater than 3 mg/l O Total ammonia not greater than 0.31 mg/l N Non-ionised ammonia not greater than 0.021 mg/l N Temperature not greater than 21.5 C pH greater than 5.0 and less than 9.0 Suspended solids not greater than 25 mg/l
1B	Dissolved oxygen % saturation greater than 60% BOD (ATU) not greater than 5 mg/l O Total ammonia not greater than 0.70 mg/l N Non-ionised ammonia not greater than 0.021 mg/l N Temperature not greater than 21.5 C pH greater than 5.0 and less than 9.0 Suspended solids not greater than 25 mg/l
2	Dissolved oxygen & saturation greater than 40% BOD (ATU) not greater than 9 mg/l O Total ammonia not greater than 1.56 mg/l N Non-ionised ammonia not greater than 0.021 mg/l N Temperature not greater than 28 C pH greater than 5.0 and less than 9.0 Suspended solids not greater than 25 mg/l
3	Dissolved oxygen % saturation greater than 10% BOD (ATU) not greater than 17 mg/l O
4	Dissolved oxygen % saturation not greater than 10% BOD (ATU) greater than 17 mg/l O

STATISTICS USED BY NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

Determinand	Statistic
Dissolved oxygen	5 percentile
BOD (ATU)	95 percentile
Total ammonia	95 percentile
Non-ionised ammonia	95 percentile
Temperature	95 percentile
pH	5 percentile 95 percentile
Suspended solids	arithmetic mean

NWC RIVER CLASSIFICATION SYSTEM

CRITERIA USED BY NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION FOR METALLIC DETERMINANDS

SOLUBLE COPPER

Total Hardness (mean) mg/l CaCO3	Statistic	Soluble Copper* ug/l Cu	
		Class 1	Class 2
0 - 10	95 percentile	< = 5	> 5
10 - 50	95 percentile	< = 22	> 22
50 - 100	95 percentile	< = 40	> 40
100 - 300	95 percentile	< = 112	> 112

* Total copper is used for classification until sufficient data on soluble copper can be obtained.

TOTAL ZINC

Total Hardness (mean) mg/l CaCO3	Statistic	Total Zinc ug/l Zn		
		Class 1	Class 2	Class 3
0 - 10	95 percentile	< = 30	< = 300	> 300
10 - 50	95 percentile	< = 200	< = 700	> 700
50 - 100	95 percentile	< = 300	< = 1000	> 1000
100 - 300	95 percentile	< = 500	< = 2000	> 2000

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: TORRIDGE

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference	Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
1	TORRIDGE	FORDMILL FARM	R29C001	SS 3251 1776	6.9	6.9	1B	1B	1B	1B	1B	1A	1B	1B
2	TORRIDGE	PUTFORD BRIDGE	R29C032	SS 3639 1592	5.6	12.5	1B	1B	1B	1B	1B	1A	1B	2
3	TORRIDGE	WOODFORD BRIDGE	R29C002	SS 3987 1253	5.9	18.4	1B	1B	1B	1B	1B	1A	1A	1B
4	TORRIDGE	GIDCOTT	R29C033	SS 4222 0942	4.8	23.2	1B	1B	2	2	2	2	1B	1B
5	TORRIDGE	KINGSLEY MILL	R29C003	SS 4696 0608	8.8	32.0	1B	1B	2	2	2	2	2	2
6	TORRIDGE	ROCKHAY BRIDGE	R29C004	SS 5064 0699	6.1	38.1	1B	2	2	2	2	1B	1B	1B
7	TORRIDGE	HELE BRIDGE	R29C005	SS 5401 0632	4.2	42.3	1B	2	2	2	2	1B	1B	1B
8	TORRIDGE	NEWBRIDGE	R29B001	SS 5484 1121	6.5	48.8	1B	2	2	1B	1B	1B	1B	1B
9	TORRIDGE	BEAFORD BRIDGE	R29B002	SS 5426 1429	5.8	54.6	1B	2	2	1B	1B	1B	1B	1B
10	TORRIDGE	UNDERCLEAVE	R29B038	SS 5179 1655	9.9	64.5	1B	2	2	1B	1B	1B	3	1B
11	TORRIDGE	TOWN MILLS TORRINGTON	R29B003	SS 4998 1838	4.7	69.2	1B	2	2	1B	1B	1B	1B	1B
12	TORRIDGE	ROTHERN BRIDGE	R29B004	SS 4791 1974	2.9	72.1	1B	2	2	2	1B	1B	1B	1B
13	TORRIDGE	BEAM BRIDGE	R29B034	SS 4737 2092	2.4	74.5	1B	2	2	2	2	1B	1B	2
	TORRIDGE	NORMAL TIDAL LIMIT (INFERRED STRETCH)			~~1.3~~	75.8	1B	2	2	2	2	1B	1B	2
	GAMMATON STREAM	INFLOW, GAMMATON RES. (UNMON. STRETCH)			0.2	0.2	1B						U	U
14	GAMMATON STREAM	GAMMATON RESERVOIR	R29A013	SS 4847 2505	0.3	0.5	1B						1A	3
	GAMMATON STREAM	HORWOOD STREAM CONFL. (UNMON. STRETCH)			0.3	0.7	1B						U	U
	JENNETT'S STREAM	INFLOW, JENNETT'S RES. (UNMON. STRETCH)			2.7	2.7	1B						U	U
15	JENNETT'S STREAM	JENNETT'S RESERVOIR	R29A014	SS 4441 2471	0.5	3.2	1B						2	2
	JENNETT'S STREAM	NORMAL TIDAL LIMIT (UNMON. STRETCH)			1.1	4.3	1B						U	U
16	YEO(BIDEFORD)	FOXDOWN	R29A001	SS 3815 2223	3.5	3.5	1A	2	2	2	2	2	1B	2
17	YEO(BIDEFORD)	TUCKINGMILL	R29A002	SS 4018 2248	2.3	5.8	1A	2	2	2	2	2	1B	1B
18	YEO(BIDEFORD)	HOOPERS	R29A015	SS 4276 2313	3.1	8.9	1A	2	2	2	2	2	1B	1B
19	YEO(BIDEFORD)	HEALE HOUSE	R29A003	SS 4537 2350	3.7	12.6	1A	2	2	2	2	2	1B	2
	YEO(BIDEFORD)	NORMAL TIDAL LIMIT (INFERRED STRETCH)			~~0.1~~	12.7	1A	2	2	2	2	2	1B	2
20	DUNTZ	HEMBURY	R29A004	SS 4294 1782	2.9	2.9	1A	2	2	2	2	2	2	1B
21	DUNTZ	ORLEIGH MILLS	R29A005	SS 4392 2241	5.7	8.6	1A	2	2	2	2	2	2	1B
	DUNTZ	YEO(BIDEFORD) CONFL. (INFERRED STRETCH)			~~0.1~~	8.7	1A	2	2	2	2	2	2	1B
22	LYDELAND WATER	WATER BRIDGE	R29A006	SS 4193 1838	4.9	4.9	1B	1A	2	2	2	2	1B	1B
	LYDELAND WATER	DUNTZ CONFLUENCE (INFERRED STRETCH)			~~1.3~~	6.2	1B	1A	2	2	2	2	1B	1B
	MELBURY STREAM	INFLOW, MELBURY RES. (UNMON. STRETCH)			0.6	0.6	1B						U	U
23	MELBURY STREAM	MELBURY RESERVOIR	R29A012	SS 3861 2010	0.4	1.0	1B						1B	1B
	MELBURY STREAM	YEO(BIDEFORD) CONFL. (UNMON. STRETCH)			2.6	3.6	1B						U	U
24	HUNTSHAW WATER	BRIDGE AT VAN'S WOOD	R29A026	SS 4791 2147	8.0	8.0	1B						N	1B
	HUNTSHAW WATER	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~0.1~~	8.1	1B						N	1B
	COMMON LAKE	OUTFLOW, BLACKATON RES. (UNMON. STRETCH)			0.6	0.6	1B						U	U
25	COMMON LAKE	TANTONS PLAIN	R29B039	SS 4931 1984	2.9	3.5	1B						3	3

Appendix 8.5

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: TORRIDGE

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference	Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
	COMMON LAKE	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~1.7~~	5.2	1B						3	3
26	LANGTREE LAKE	SERVICE FARM	R29A016	SS 4776 1922	6.9	6.9	1B						2	1B
	LANGTREE LAKE	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~0.5~~	7.4	1B						2	1B
27	WOOLLEIGH BROOK	CASTLE HILL	R29B037	SS 5222 1714	8.1	8.1	1B						2	2
	WOOLLEIGH BROOK	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~0.7~~	8.8	1B						2	2
28	MERE	COLEFORD BRIDGE	R29B007	SS 5023 1326	5.4	5.4	1B	2	3	3	3	2	2	1B
29	MERE	A386 BRIDGE AT MERTON	R29B008	SS 5265 1129	3.9	9.3	2	1B	2	2	2	2	3	1B
30	MERE	GREATWOOD	R29B009	SS 5498 1287	3.8	13.1	2	1B	3	3	3	2	1B	1B
	MERE	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~0.2~~	13.3	2	1B	3	3	3	2	1B	1B
31	LITTLE MERE RIVER	WOOLADON MOOR	R29B005	SS 5336 0841	1.5	1.5	2	1B	2	2	2	1B	3	3
32	LITTLE MERE RIVER	BURYMOOR BRIDGE	R29B006	SS 5257 1108	2.9	4.4	2	1B	2	2	2	1B	1B	3
	LITTLE MERE RIVER	MERE CONFLUENCE (INFERRED STRETCH)			~~0.4~~	4.8	2	1B	2	2	2	1B	1B	3
33	EAST OKEMENT RIVER	200M ABOVE FATHERFORD RAIL	R29D031	SX 6046 9461	6.9	6.9	1A	1A	1A	1A	1A	1A	N	1A
34	EAST OKEMENT RIVER	A30 BRIDGE AT OKEHAMPTON	R29D001	SX 5887 9522	2.4	9.3	1A	1A	1A	1A	1A	1A	1A	1A
	EAST OKEMENT RIVER	OKEMENT CONFLUENCE (INFERRED STRETCH)			~~0.3~~	9.6	1A	1A	1A	1A	1A	1A	1A	1A
	WEST OKEMENT RIVER	INFLOW, MELDON RES. (UNMON. STRETCH)			9.1	9.1	1A	1A	1A	1A	1A	1A	U	U
35	WEST OKEMENT RIVER	MELDON RESERVOIR	R29D053	SX 5615 9144	1.3	10.4	1A	1A	1A	1A	1A	1A	3	3
36	WEST OKEMENT RIVER	BELOW MELDON DAM	R29D027	SX 5643 9184	0.3	10.7	1A	1A	1A	1A	1A	1A	2	2
37	WEST OKEMENT RIVER	100M BELOW RED-A-VEN	R29D109	SX 564 921	0.1	10.8	1A	1A	1A	1A	1A	1A	2	2
38	WEST OKEMENT RIVER	MELDON VIADUCT	R29D032	SX 5647 9233	0.4	11.2	1A	1A	1A	1A	1A	1A	2	1A
39	WEST OKEMENT RIVER	200M BELOW MELDON QUARRY BRIDGE	R29D030	SX 5667 9335	1.3	12.5	1A	1A	1A	1A	1A	1A	2	2
40	WEST OKEMENT RIVER	OKEHAMPTON HOSPITAL	R29D002	SX 5865 9470	2.5	15.0	1A	1A	1A	1A	1A	1A	1A	1A
41	OKEMENT	KNOWLE BRIDGE	R29D026	SX 5930 9630	2.0	17.0	1A	1A	1B	1B	1B	1A	1A	1A
42	OKEMENT	BRIGHTLEY BRIDGE	R29D003	SX 5987 9745	1.4	18.4	1A	1A	1B	1B	1B	1A	1A	1A
43	OKEMENT	SOUTH DORNAFORD	R29D004	SS 5995 0013	3.3	21.7	1A	1B	1B	1B	1B	1B	1B	1B
44	OKEMENT	JACOBSTOWE	R29D008	SS 5925 0172	2.3	24.0	1A	1B	1B	1B	1A	1B	1A	1B
45	OKEMENT	WOODHALL BRIDGE	R29D005	SS 5847 0340	3.6	27.6	1A	1B	1B	1B	1A	1B	1B	2
46	OKEMENT	IDDESLEIGH BRIDGE	R29D006	SS 5679 0585	2.7	30.3	1A	2	1B	1B	1B	1B	1B	1B
	OKEMENT	TORRIDGE CONFLUENCE (INFERRED STRETCH)			~~2.7~~	33.0	1A	2	1B	1B	1B	1B	1B	1B
47	HOLE BROOK	MONKOKEHAMPTON	R29D007	SS 583 056	9.4	9.4	1B	2	1B	1B	2	2	2	3
	HOLE BROOK	OKEMENT CONFLUENCE (INFERRED STRETCH)			~~1.1~~	10.5	1B	2	1B	1B	2	2	2	3
48	BECKAMOOR BROOK	TERRIS BRIDGE	R29D052	SS 5820 0330	6.1	6.1	1B	1B					2	2
	BECKAMOOR BROOK	OKEMENT CONFLUENCE (INFERRED STRETCH)			~~0.4~~	6.5	1B	1B					2	2
49	BRIGHTLEY STREAM	BRIGHTLEY MILL	R29D025	SX 5970 9709	2.3	2.3	3	3	3	3	1B	3	3	3
	BRIGHTLEY STREAM	OKEMENT CONFLUENCE (INFERRED STRETCH)			~~0.1~~	2.4	3	3	3	3	1B	3	3	3

Appendix 8.5

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: TORRIDGE

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference	Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
50	MELDON STREAM	BRIDGE BELOW MELDON QUARRY	R29D029	SX 5665 9305	1.4	1.4	3				3	3	3	3
	MELDON STREAM	WEST OKEMENT CONFL. (INFERRED STRETCH)			0.1	1.5	3				3	3	3	3
51	RED-A-VEN BROOK	PRIOR TO WEST OKEMENT RIVER	R29D028	SX 5641 9199	4.3	4.3	1A		3	2	2	2	1A	1A
52	LEW	HOLE STOCK BRIDGE	R29C006	SS 4887 0003	4.3	4.3	1B	1B	2	2	2	2	2	1B
53	LEW	BLOOMAFORD	R29C025	SS 5078 0064	3.0	7.3	1B	2	3	3	1B	1B	1B	1B
54	LEW	GREAT RUTLEIGH	R29C007	SS 5140 0079	0.9	8.2	1B	2	2	1B	1B	2	2	2
55	LEW	HATHERLEIGH BRIDGE	R29C008	SS 5406 0416	6.9	15.1	1B	1B	1B	1B	1B	1B	1B	1B
56	LEW	LEWER BRIDGE	R29C009	SS 5313 0525	1.8	16.9	1B	2	3	1B	1B	2	1B	2
	LEW	TORRIDGE CONFLUENCE (INFERRED STRETCH)			0.9	17.8	1B	2	3	1B	1B	2	1B	2
57	PULWORTHY BROOK	FURZEHILL	R29C021	SS 5268 0432	8.1	8.1	1B						3	3
	PULWORTHY BROOK	LEW CONFLUENCE (INFERRED STRETCH)			1.3	9.3	1B						3	3
58	MEDLAND BROOK	WATERHOUSE	R29C022	SS 5481 0133	7.4	7.4	1B						1B	1B
	MEDLAND BROOK	LEW CONFLUENCE (INFERRED STRETCH)			1.7	9.1	1B						1B	1B
59	HOOKMOOR BROOK	NARRACOTT FORD	R29C023	SS 5307 0072	9.6	9.6	1B						2	1B
	HOOKMOOR BROOK	LEW CONFLUENCE (INFERRED STRETCH)			0.9	10.5	1B						2	1B
60	WAGAFORD WATER	WAGAFORD BRIDGE	R29C024	SS 4882 0168	5.7	5.7	1B						2	2
	WAGAFORD WATER	LEW CONFLUENCE (INFERRED STRETCH)			3.0	8.7	1B						2	2
61	NORTHLEW STREAM	NORTHLEW	R29C026	SX 5075 9910	5.7	5.7	1B		3	3	1B	1B	2	1B
	NORTHLEW STREAM	LEW CONFLUENCE (INFERRED STRETCH)			1.6	7.3	1B		3	3	1B	1B	2	1B
62	MUSSEL BROOK	WESTOVER	R29C038	SS 4777 0645	7.8	7.8	1B						1B	1B
	MUSSEL BROOK	TORRIDGE CONFLUENCE (INFERRED STRETCH)			0.3	8.1	1B						1B	1B
63	WHITELEIGH WATER	DIPPERMILL	R29C039	SS 4389 0638	7.4	7.4	1B						1B	1B
	WHITELEIGH WATER	TORRIDGE CONFLUENCE (INFERRED STRETCH)			0.2	7.6	1B						1B	1B
64	WALDON	BERRIDON COTTAGE	R29C010	SS 3184 1408	3.5	3.5	1B	2	2	1B	1B	1B	2	2
65	WALDON	SUTCOMBE	R29C030	SS 3468 1096	5.4	8.9	1B	2	2	1B	1B	1B	1B	1B
66	WALDON	WALDON BRIDGE	R29C011	SS 3684 1041	2.7	11.6	1B	2	2	1B	1B	1B	1B	1B
67	WALDON	BERRY FARM	R29C042	SS 3922 0986	3.1	14.7	1B	1B	1A	1A	1A	2	2	2
68	WALDON	HENSCOTT BRIDGE	R29C012	SS 4151 0804	4.4	19.1	1B	1B	1A	1A	1A	2	2	2
	WALDON	TORRIDGE CONFLUENCE (INFERRED STRETCH)			1.4	20.5	1B	1B	1A	1A	1A	2	2	2
69	COOKBURY STREAM	BASON CROSS	R29C043	SS 4122 0801	6.2	6.2	1B						1B	1B
	COOKBURY STREAM	WALDON CONFLUENCE (INFERRED STRETCH)			0.3	6.5	1B						1B	1B
70	DIPPLE WATER	DIPPLE BRIDGE	R29C013	SS 3495 1776	4.8	4.8	1B	3	3	2	2	2	3	3
	DIPPLE WATER	TORRIDGE CONFLUENCE (INFERRED STRETCH)			0.5	5.3	1B	3	3	2	2	2	3	3

Appendix 8.5

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: TORRIDGE

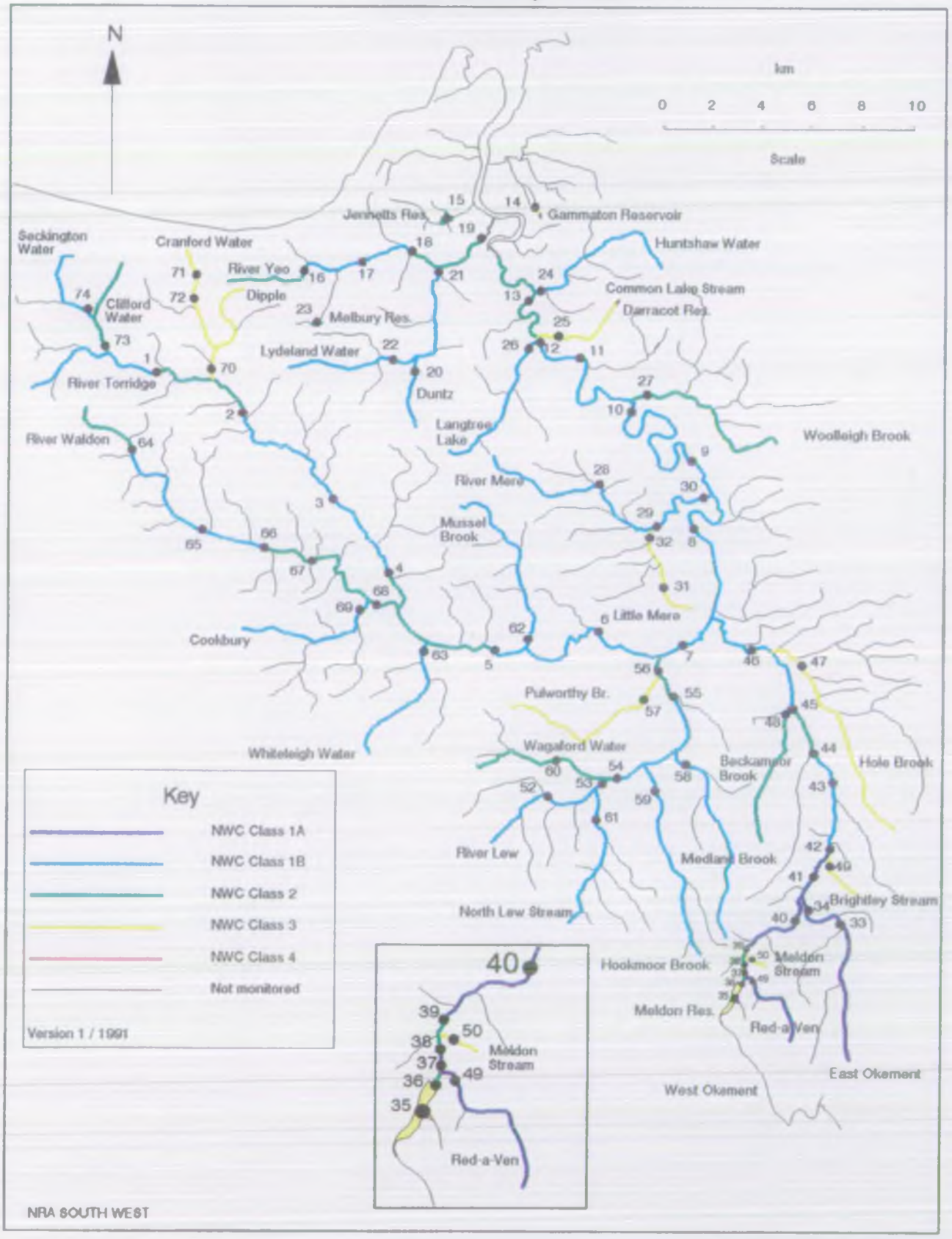
1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
71	CRANFORD WATER	LANEMILL BRIDGE	R29C044	SS 3415 2053
72	CRANFORD WATER	CRANFORD	R29C046	SS 3413 2134
	CRANFORD WATER	DIPPLE WATER CONFL. (INFERRED STRETCH)		
73	CLIFFORD WATER	BITEFORD	R29C040	SS 3021 1893
	CLIFFORD WATER	TORRIDGE CONFLUENCE (INFERRED STRETCH)		
74	SECKINGTON WATER	GORVIN	R29C041	SS 2980 2001
	SECKINGTON WATER	CLIFFORD WATER CONFL. (INFERRED STRETCH)		

Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
2.2	2.2	1B						3	3
1.0	3.2	1B						3	3
~~2.3~~	5.5	1B						3	3
5.3	5.3	1B						1B	2
~~0.7~~	6.0	1B						1B	2
3.9	3.9	1B						1B	1B
~~0.2~~	4.1	1B						1B	1B

Appendix 8.5

Torridge Catchment
Water Quality - 1991

Appendix 8.6



NATIONAL RIVERS AUTHORITY – SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	RQO	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
				Class	5%ile	Class	95%ile	Class	95%ile	Class	5%ile	Class	95%ile	Class	95%ile	Class	95%ile	Class	Mean	Class	95%ile	Class	95%ile
TORRIDGE	FORDMILL FARM	R29C001	1B	1A	6.6	1A	7.8	1A	17.4	1B	78.8	1B	4.3	1A	0.270	1A	0.010	1A	8.7	–	–	–	–
TORRIDGE	PUTFORD BRIDGE	R29C002	1B	1A	6.7	1A	7.7	1A	17.6	1B	78.2	1B	4.4	1B	0.324	1A	0.010	1A	8.9	2	34.3	1A	39.9
TORRIDGE	WOODFORD BRIDGE	R29C002	1B	1A	6.7	1A	7.7	1A	16.6	1A	85.0	1B	3.7	1A	0.216	1A	0.010	1A	8.3	–	–	–	–
TORRIDGE	GIDCOTT	R29C033	1B	1A	6.8	1A	7.6	1A	18.0	1A	81.0	1B	3.7	1B	0.342	1A	0.010	1A	8.9	1A	6.0	1A	16.0
TORRIDGE	KINGSLEY MILL	R29C003	1B	1A	6.8	1A	7.7	1A	17.9	1A	83.0	2	6.2	1B	0.665	1A	0.010	1A	18.0	1A	6.0	1A	27.8
TORRIDGE	ROCKHAY BRIDGE	R29C004	1B	1A	6.8	1A	8.2	1A	21.0	1A	82.0	1B	4.2	1A	0.227	1A	0.010	1A	9.8	1A	6.0	1A	14.0
TORRIDGE	HELE BRIDGE	R29C005	1B	1A	6.8	1A	7.8	1A	20.0	1B	75.0	1B	3.3	1A	0.120	1A	0.010	1A	10.2	1A	8.2	1A	45.7
TORRIDGE	NEWBRIDGE	R29B001	1B	1A	6.8	1A	7.7	1A	18.8	1A	82.4	1B	4.4	1B	0.358	1A	0.010	1A	16.4	1A	6.6	1A	34.0
TORRIDGE	BEAFORD BRIDGE	R29B002	1B	1A	6.8	1A	7.8	1A	18.7	1A	84.9	1B	4.4	1B	0.400	1A	0.010	1A	19.7	1A	9.2	1A	37.9
TORRIDGE	UNDERCLEAVE	R29B038	1B	1A	6.9	1A	8.8	1A	18.5	1A	83.5	1B	3.6	1A	0.190	1A	0.010	1A	14.8	–	–	–	–
TORRIDGE	TOWN MILLS TORRINGTON	R29B003	1B	1A	6.9	1A	8.0	1A	17.6	1B	79.6	1B	4.0	1A	0.274	1A	0.010	1A	10.5	1A	37.1	1A	41.9
TORRIDGE	ROTHERN BRIDGE	R29B004	1B	1A	6.9	1A	7.8	1A	18.0	1A	81.2	1B	4.3	1A	0.240	1A	0.010	1A	13.8	1A	7.4	1A	19.0
TORRIDGE	BEAM BRIDGE	R29B034	1B	1A	6.8	1A	7.9	1A	18.3	1A	85.0	1B	4.5	1A	0.284	1A	0.010	1A	22.7	2	50.0	1A	50.0
GAMPTON STREAM	GAMPTON RESERVOIR	R29A013	1B	1A	7.1	3	9.6	1A	19.1	1A	83.9	2	5.5	1A	0.223	1A	0.015	1A	4.9	1A	5.0	1A	12.2
JENNETT'S STREAM	JENNETT'S RESERVOIR	R29A014	1B	1A	7.1	1A	8.4	2	21.6	2	54.5	2	5.3	1A	0.288	1A	0.010	1A	12.6	2	50.0	1A	50.0
YEO(BIDEFORD)	FORDOWN	R29A001	1A	1A	7.2	1A	7.9	1A	15.0	1A	87.2	1B	3.6	1A	0.228	1A	0.010	1A	10.2	2	50.0	1A	50.0
YEO(BIDEFORD)	TUCKINGMILL	R29A002	1A	1A	7.3	1A	7.8	1A	16.5	1A	81.3	1B	3.4	1A	0.275	1A	0.010	1A	15.9	–	–	–	–
YEO(BIDEFORD)	HOOPERS	R29A015	1A	1A	7.4	1A	7.8	1A	17.5	1A	85.6	1B	4.1	1A	0.266	1A	0.010	1A	6.9	1A	7.0	1A	7.0
YEO(BIDEFORD)	HEALE HOUSE	R29A003	1A	1A	7.2	1A	7.8	1A	17.0	1B	71.0	1B	4.2	1A	0.300	1A	0.010	1A	15.9	2	239.0	1A	20.1
DUNTZ	HEMBURY	R29A004	1A	1A	7.2	1A	7.8	1A	15.5	1A	85.0	1B	3.6	1B	0.619	1A	0.010	1A	9.5	1A	6.0	1A	16.8
DUNTZ	OKEHIGH MILLS	R29A005	1A	1A	7.2	1A	7.7	1A	17.0	1A	80.9	1B	4.6	1A	0.274	1A	0.010	1A	14.9	1A	6.0	1A	17.2
LYDELAND WATER	WATER BRIDGE	R29A006	1B	1A	7.0	1A	7.7	1A	16.2	1A	82.6	1B	3.9	1B	0.495	1A	0.010	1A	9.8	1A	5.6	1A	15.6
MELBURY STREAM	MELBURY RESERVOIR	R29A012	1B	1A	6.2	1A	7.8	1A	19.6	1B	76.3	1B	3.7	1A	0.157	1A	0.010	1A	6.1	1A	5.0	1A	35.8
HUNTSHAW WATER	BRIDGE AT VAN'S WOOD	R29A026	1B	1A	7.3	1A	8.0	1A	14.0	1A	90.0	1B	3.4	1A	0.210	1A	0.010	1A	6.2	–	–	–	–
COMMON LAKE	TENTONS PLAIN	R29B039	1B	1A	7.0	1A	8.5	1A	16.8	1B	77.0	2	5.4	3	15.180	3	0.054	1A	14.3	1A	7.7	1A	47.8
LANGTREE LAKE	SERVICE FARM	R29A016	1B	1A	7.2	1A	7.9	1A	17.2	1A	83.9	1B	4.8	1B	0.316	1A	0.010	1A	9.6	–	–	–	–
NOOLEIGH BROOK	CASTLE HILL	R29B037	1B	1A	7.1	1A	7.8	1A	17.0	1B	79.5	2	6.1	1A	0.162	1A	0.010	1A	9.1	–	–	–	–
MERE	COLEFORD BRIDGE	R29B007	1B	1A	7.0	1A	7.6	1A	17.0	1B	70.0	1B	4.8	1A	0.278	1A	0.010	1A	9.0	–	–	–	–
MERE	A386 BRIDGE AT MERTON	R29B008	2	1A	7.0	1A	7.6	1A	17.4	1B	66.2	1B	3.3	1A	0.262	1A	0.010	1A	22.0	–	–	–	–
MERE	GREATWOOD	R29B009	2	1A	6.9	1A	8.0	1A	18.7	1B	75.4	1B	3.2	1A	0.162	1A	0.010	1A	18.3	1A	6.0	1A	24.2
LITTLE MERE RIVER	WOOLADON MOOR	R29B005	2	1A	6.9	1A	7.8	1A	17.2	1B	60.3	2	7.1	1B	0.495	1A	0.010	3	51.1	2	213.0	2	496.0
LITTLE MERE RIVER	BURNDOR BRIDGE	R29B006	2	1A	6.9	1A	7.7	1A	18.8	1B	74.0	1B	3.2	1A	0.148	1A	0.010	3	26.9	1A	6.7	1A	12.7

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1991 RIVER WATER QUALITY CLASSIFICATION
CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT
CATCHMENT: TORRIDGE

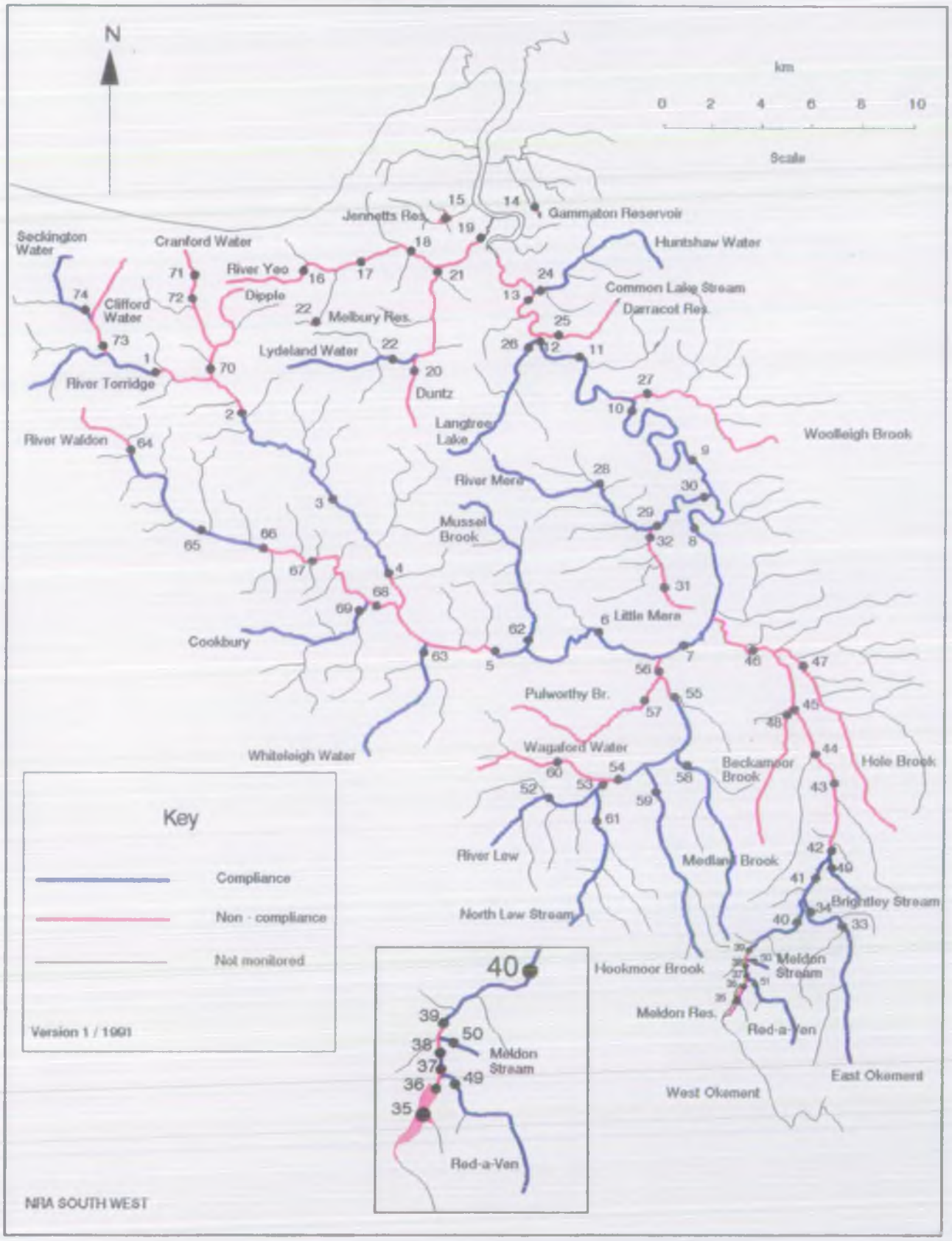
River	Reach upstream of	User Ref. Number	RQO	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
				Class	5%ile	Class	95%ile	Class	95%ile	Class	5%ile	Class	95%ile	Class	95%ile	Class	95%ile	Class	Mean	Class	95%ile	Class	95%ile
EAST OKEMENT RIVER	200M ABOVE FATHERFORD RAIL	R290031	1A	1A	6.3	1A	7.7	1A	15.0	1A	91.0	1A	2.5	1A	0.030	–	–	1A	1.4	1A	5.0	1A	17.8
EAST OKEMENT RIVER	A30 BRIDGE AT OKEHAMPTON	R290001	1A	1A	6.3	1A	7.4	1A	18.0	1A	87.9	1A	2.4	1A	0.060	1A	0.010	1A	2.9	1A	5.0	1A	20.0
WEST OKEMENT RIVER	MELDON RESERVOIR	R290053	1A	3	4.9	1A	6.7	1A	20.1	1A	80.8	1A	2.0	1A	0.070	1A	0.010	1A	2.3	2	16.8	1A	18.5
WEST OKEMENT RIVER	BELOW MELDON DAM	R290027	1A	1A	5.1	1A	7.1	1A	17.0	1A	85.5	1A	1.9	1A	0.175	1A	0.010	1A	2.1	2	5.4	1A	23.0
WEST OKEMENT RIVER	100M BELOW RED-A-VEN	R290109	1A	1A	5.8	1A	7.8	1A	14.0	1A	90.1	1A	2.5	1A	0.099	–	–	1A	2.9	2	9.0	1A	12.0
WEST OKEMENT RIVER	MELDON VIADUCT	R290032	1A	1A	5.5	1A	7.3	1A	14.4	1A	89.3	1A	2.3	1A	0.097	1A	0.010	1A	1.4	1A	20.8	1A	89.0
WEST OKEMENT RIVER	200M BELOW MELDON QUARRY BRIDGE	R290030	1A	1A	5.2	1A	7.2	1A	14.6	1A	88.0	1A	2.1	1A	0.129	1A	0.010	1A	5.6	2	26.9	2	303.4
WEST OKEMENT RIVER	OKEHAMPTON HOSPITAL	R290002	1A	1A	5.7	1A	7.4	1A	17.0	1A	89.7	1A	1.8	1A	0.082	1A	0.010	1A	3.9	1A	17.1	1A	131.2
OKEMENT	KNOWLE BRIDGE	R290026	1A	1A	6.2	1A	7.3	1A	17.1	1A	89.4	1A	2.9	1A	0.083	1A	0.010	1A	5.9	1A	7.1	1A	72.0
OKEMENT	BRIGHTLEY BRIDGE	R290003	1A	1A	6.0	1A	7.4	1A	16.9	1A	90.0	1A	2.2	1A	0.200	1A	0.010	1A	5.7	1A	7.9	1A	97.8
OKEMENT	SOUTH DORNAFORD	R290004	1A	1A	6.4	1A	7.4	1A	17.5	1A	85.7	1B	3.9	1A	0.374	1A	0.010	1A	9.1	1A	8.0	1A	83.0
OKEMENT	LINCHSTONE	R290008	1A	1A	6.5	1A	7.5	1A	18.1	1A	86.0	1B	4.3	1A	0.310	1A	0.010	1A	13.7	1A	13.1	1A	76.4
OKEMENT	WOODHALL BRIDGE	R290005	1A	1A	6.5	1A	7.6	1A	17.1	1A	86.9	2	5.3	1A	0.233	1A	0.010	1A	13.7	1A	17.6	1A	78.8
OKEMENT	ITDESLEIGH BRIDGE	R290006	1A	1A	6.7	1A	7.8	1A	18.0	1A	87.0	1B	4.0	1A	0.260	1A	0.010	1A	15.4	1A	6.0	1A	64.0
HOLE BROOK	HONDKEHAMPTON	R290007	1B	1A	7.0	1A	8.1	1A	17.0	1B	72.8	2	8.8	1A	0.276	1A	0.010	3	26.1	1A	14.8	1A	34.8
BECKAMOOR BROOK	DENNIS BRIDGE	R290052	1B	1A	6.9	1A	7.7	1A	15.2	2	55.6	1B	3.5	1B	0.466	1A	0.010	1A	12.5	1A	6.0	1A	11.0
BRIGHTLEY STREAM	BRIGHTLEY MILL	R290025	3	3	3.6	1A	7.2	1A	19.0	1B	73.8	2	6.2	2	1.440	1A	0.010	1A	13.5	2	51.1	3	1981.0
MELDON STREAM	BRIDGE BELOW MELDON QUARRY	R290029	3	3	3.7	1A	7.1	1A	17.3	1A	81.2	1B	3.7	3	2.805	1A	0.010	3	55.5	2	1846.2	3	5635.0
RED-A-VEN BROOK	PRIOR TO WEST OKEMENT RIVER	R290028	1A	1A	5.4	1A	7.1	1A	21.0	1A	87.9	1A	2.3	1A	0.020	1A	0.010	1A	1.4	1A	5.0	1A	52.1
LEW	HOLE STOCK BRIDGE	R290006	1B	1A	6.8	1A	7.6	1A	16.1	1B	71.4	1B	4.0	1A	0.285	1A	0.010	1A	13.3	–	–	–	–
LEW	BLOCKAFORD	R290025	1B	1A	6.8	1A	7.6	1A	17.1	1B	73.7	1B	3.9	1A	0.305	1A	0.010	1A	11.1	–	–	–	–
LEW	GREAT RUTLEIGH	R290007	1B	1A	6.8	1A	7.6	1A	18.0	1B	75.0	2	5.4	1A	0.230	1A	0.010	1A	10.6	1A	21.7	1A	19.0
LEW	FATHERLEIGH BRIDGE	R290008	1B	1A	6.8	1A	7.7	1A	16.5	1B	67.0	1A	2.9	1A	0.160	1A	0.010	1A	7.2	–	–	–	–
LEW	LOWER BRIDGE	R290009	1B	1A	6.8	1A	7.8	1A	17.0	1B	66.0	1B	4.9	1A	0.219	1A	0.010	1A	11.3	2	45.8	1A	47.5
FURZEWORTHY BROOK	FURZEHILL	R290021	1B	1A	6.9	1A	7.7	1A	15.9	3	29.7	2	5.5	1B	0.336	1A	0.010	1A	20.3	–	–	–	–
MELLAND BROOK	WATERHOUSE	R290022	1B	1A	6.9	1A	7.6	1A	17.4	1B	68.0	1A	2.6	1A	0.163	1A	0.010	1A	6.1	–	–	–	–
HOORMOOR BROOK	NARRACOTT FORD	R290023	1B	1A	6.8	1A	7.6	1A	17.0	1B	76.7	1B	3.6	1A	0.154	1A	0.010	1A	7.8	–	–	–	–
NAGAFORD WATER	NAGAFORD BRIDGE	R290024	1B	1A	6.9	1A	7.7	1A	17.4	1B	66.7	2	5.1	1A	0.141	1A	0.010	1A	18.6	–	–	–	–
NORTHLEW STREAM	NORTHLEW	R290026	1B	1A	6.7	1A	7.5	1A	17.4	1B	74.9	1B	4.8	1B	0.315	1A	0.010	1A	6.5	–	–	–	–
PUSSEL BROOK	WESTOVER	R290038	1B	1A	6.9	1A	7.7	1A	17.4	1A	80.6	1B	3.9	1A	0.256	1A	0.010	1A	8.6	–	–	–	–
WHIDDLEIGH WATER	DIPPENMILL	R290039	1B	1A	7.0	1A	7.9	1A	17.7	1B	75.8	1B	3.4	1A	0.227	1A	0.010	1A	8.6	–	–	–	–

Appendix 8.7

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	RQO	Calculated Determinand Statistics used for Quality Assessment																	
				pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
				Class	5%ile	Class	95%ile	Class	95%ile	Class	5%ile	Class	95%ile	Class	95%ile	Class	95%ile	Class	Mean	Class	95%ile	Class	95%ile
WALDON	BERRIDON COTTAGE	R29C010	1B	1A	6.8	1A	7.5	1A	18.0	1A	80.6	1B	4.9	2	1.248	1A	0.010	1A	6.1	1A	9.8	1A	15.0
WALDON	SUTCOMBE	R29C030	1B	1A	6.9	1A	7.6	1A	18.0	1A	82.3	1B	3.6	1A	0.308	1A	0.010	1A	14.3	1A	10.8	1A	15.0
WALDON	WALDON BRIDGE	R29C011	1B	1A	6.9	1A	7.6	1A	17.4	1B	70.6	1B	4.0	1A	0.304	1A	0.010	1A	10.5	-	-	-	-
WALDON	BERRY FARM	R29C042	1B	1A	7.0	1A	7.7	1A	18.0	1B	74.6	2	5.7	1A	0.294	1A	0.010	1A	13.1	1A	10.0	1A	14.0
WALDON	HENSCOTT BRIDGE	R29C012	1B	1A	6.8	1A	7.7	1A	17.1	1A	80.9	2	6.5	1B	0.364	1A	0.010	1A	17.8	2	50.0	1A	50.0
COOKBURY STREAM	BASON CROSS	R29C043	1B	1A	6.9	1A	7.7	1A	17.4	1B	66.2	1B	3.8	1A	0.207	1A	0.010	1A	16.6	1A	7.0	1A	78.8
DIPPLE WATER	DIPPLE BRIDGE	R29C013	1B	1A	6.8	1A	7.8	1A	17.0	1B	69.7	2	5.7	3	1.656	1A	0.010	1A	11.3	1A	14.3	1A	44.9
CRANFORD WATER	LANEMILL BRIDGE	R29C044	1B	1A	6.9	1A	7.6	1A	17.7	1A	80.5	2	5.4	3	2.737	1A	0.020	1A	7.9	-	-	-	-
CRANFORD WATER	CRANFORD.	R29C046	1B	1A	7.0	1A	7.8	1A	17.6	1B	78.2	1B	3.8	3	3.338	3	0.027	1A	6.2	-	-	-	-
CLIFFORD WATER	EITEFORD	R29C040	1B	1A	6.6	1A	7.5	1A	16.8	1A	82.0	2	6.1	2	0.852	1A	0.010	1A	9.5	-	-	-	-
SECKINGTON WATER	GORVIN	R29C041	1B	1A	6.4	1A	7.6	1A	16.8	1A	82.2	1A	2.4	1B	0.468	1A	0.010	1A	6.4	-	-	-	-

Torridge Catchment
Compliance - 1991



NATIONAL RIVERS AUTHORITY – SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
NUMBER OF SAMPLES (N) AND NUMBER OF SAMPLES EXCEEDING QUALITY STANDARD (F)
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
			N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F
TORRIDGE	FORDMILL FARM	R29C001	31	–	31	–	31	–	31	–	31	–	31	–	29	–	31	1	0	–	0	–
TORRIDGE	PUTFORD BRIDGE	R29C032	31	–	31	–	31	–	31	–	31	1	31	–	28	–	31	2	26	1	26	–
TORRIDGE	WOOLFORD BRIDGE	R29C002	33	–	33	–	33	–	33	–	34	1	33	–	30	–	33	1	0	–	0	–
TORRIDGE	GIDCOTT	R29C033	32	–	32	–	32	–	31	–	32	–	32	–	31	–	32	1	20	–	20	–
TORRIDGE	KINGSLEY MILL	R29C003	41	–	41	–	41	–	40	–	41	4	41	1	38	–	41	6	40	1	40	–
TORRIDGE	ROCKHAY BRIDGE	R29C004	40	–	40	–	40	–	39	–	40	1	40	–	38	–	40	3	15	–	15	–
TORRIDGE	HELE BRIDGE	R29C005	39	–	39	–	39	–	39	–	39	–	39	–	39	–	39	3	37	–	37	–
TORRIDGE	NEABRIDGE	R29B001	43	–	43	–	43	–	43	–	43	1	43	–	42	–	43	9	43	–	43	–
TORRIDGE	BEAFORD BRIDGE	R29B002	37	–	37	–	37	–	36	–	37	1	37	–	35	–	37	8	28	–	28	–
TORRIDGE	UNDERCLEAVE	R29B038	31	–	31	1	31	–	29	–	31	–	31	–	28	–	31	3	1	–	1	–
TORRIDGE	TOWN MILLS TORRINGTON	R29B003	37	–	37	–	37	–	35	–	37	–	37	–	33	–	37	3	25	1	25	–
TORRIDGE	ROTHERN BRIDGE	R29B004	41	–	41	–	41	–	41	–	41	–	41	–	36	–	41	5	30	–	30	–
TORRIDGE	BEAM BRIDGE	R29B034	69	–	69	–	69	–	68	–	69	1	67	–	64	–	69	11	69	5	69	1
GAMMON STREAM	GAMMON RESERVOIR	R29A013	37	–	37	5	37	–	37	–	37	2	37	–	28	–	37	1	37	–	37	–
JENNETT'S STREAM	JENNETT'S RESERVOIR	R29A014	25	–	25	–	25	1	25	2	25	1	25	–	24	–	25	2	25	2	25	–
YEO(BIDEFORD)	FOXDOWN	R29A001	22	–	22	–	22	–	22	–	22	1	22	–	20	–	22	2	10	1	10	–
YEO(BIDEFORD)	TUCKINGMILL	R29A002	29	–	29	–	30	–	30	1	29	3	29	1	28	–	30	4	0	–	0	–
YEO(BIDEFORD)	HOOPERS	R29A015	31	–	31	–	31	–	31	–	31	2	31	1	28	–	31	2	19	–	19	–
YEO(BIDEFORD)	HEALE HOUSE	R29A003	37	–	37	–	37	–	37	2	37	5	37	1	35	–	37	3	37	1	37	–
OKEMENT	HEMBURY	R29A004	32	–	32	–	32	–	32	–	32	2	32	3	27	–	32	2	20	–	20	–
OKEMENT	OKLEIGH MILLS	R29A005	36	–	36	–	36	–	36	–	36	4	36	1	32	–	36	3	36	–	36	–
LYDELAND WATER	WATER BRIDGE	R29A006	36	–	36	–	35	–	35	–	36	1	36	1	31	–	36	4	36	–	36	–
MELBURY STREAM	MELBURY RESERVOIR	R29A012	24	–	24	–	24	–	24	–	24	–	24	–	21	–	24	–	24	–	24	–
HUNTSHAW WATER	BRIDGE AT VAN'S WOOD	R29A026	14	–	14	–	13	–	13	–	14	–	14	–	11	–	14	1	0	–	0	–
COMMON LAKE	TANTONS PLAIN	R29B039	31	–	31	1	31	–	29	–	31	1	31	9	30	3	30	3	25	–	25	–
LANGTREE LAKE	SERVICE FARM	R29A016	32	–	32	–	32	–	32	–	32	1	32	–	29	–	32	1	0	–	0	–
WOOLLEIGH BROOK	CASTLE HILL	R29B037	31	–	31	–	31	–	29	–	31	2	31	–	29	–	31	3	0	–	0	–
MERE	COLEFORD BRIDGE	R29B007	33	–	33	–	29	–	29	–	30	1	30	–	26	–	30	2	4	–	4	–
MERE	A386 BRIDGE AT MERTON	R29B008	46	–	46	–	31	–	30	–	31	–	31	–	29	–	43	9	4	–	4	–
MERE	GREATWOOD	R29B009	52	–	52	–	28	–	27	–	28	–	28	–	24	–	40	6	27	–	27	–
LITTLE MERE RIVER	WOOLADON MOOR	R29B005	34	–	34	–	30	–	30	–	30	–	30	–	29	–	34	15	18	–	18	–
LITTLE MERE RIVER	BURMOOR BRIDGE	R29B006	34	–	34	–	31	–	31	–	31	–	31	–	31	–	31	9	26	–	26	–

Appendix 8.9

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
NUMBER OF SAMPLES (N) AND NUMBER OF SAMPLES EXCEEDING QUALITY STANDARD (F)
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
			N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F
EAST OKEMENT RIVER	200M ABOVE FATHERFORD RAIL	R29D031	20	-	20	-	20	-	19	-	20	-	20	-	9	-	20	-	20	-	20	-
EAST OKEMENT RIVER	A30 BRIDGE AT OKEHAMPTON	R29D001	37	-	37	-	37	-	37	-	37	-	37	-	29	-	37	-	37	-	37	-
WEST OKEMENT RIVER	MELDON RESERVOIR	R29D053	24	1	24	-	22	-	22	-	24	-	24	-	15	-	24	-	24	2	24	-
WEST OKEMENT RIVER	BELOW MELDON DAM	R29D027	37	-	37	-	37	-	37	-	37	-	37	-	31	-	37	-	37	1	37	1
WEST OKEMENT RIVER	100M BELOW RED-A-VEN	R29D109	20	-	20	-	20	-	20	-	20	-	20	-	9	-	20	-	12	1	12	-
WEST OKEMENT RIVER	MELDON VIADUCT	R29D032	29	-	29	-	24	-	24	-	24	-	24	-	14	-	29	-	25	1	25	-
WEST OKEMENT RIVER	200M BELOW MELDON QUARRY BRIDGE	R29D030	42	-	42	-	38	-	38	-	40	-	40	-	32	-	40	1	42	5	42	5
WEST OKEMENT RIVER	OKEHAMPTON HOSPITAL	R29D002	37	-	37	-	37	-	37	-	37	-	37	-	34	-	37	-	37	1	37	-
OKEMENT	KNOWLE BRIDGE	R29D026	37	-	37	-	37	-	37	-	37	-	37	-	35	-	37	1	37	-	37	-
OKEMENT	BRIGHTLEY BRIDGE	R29D003	42	-	42	-	42	-	42	-	42	-	42	-	38	-	42	2	42	-	40	-
OKEMENT	SOUTH DORNAFORD	R29D004	39	-	39	-	39	-	38	1	39	3	39	4	37	-	39	4	39	1	39	-
OKEMENT	JACOBSTOWE	R29D008	37	-	37	-	37	-	37	-	37	3	37	1	34	-	37	3	37	1	37	-
OKEMENT	WOODHALL BRIDGE	R29D005	37	-	37	-	36	-	36	-	37	5	37	-	33	-	37	3	37	1	37	-
OKEMENT	IDDESLEIGH BRIDGE	R29D006	39	-	39	-	39	-	39	-	39	5	39	1	37	-	39	3	39	1	39	-
HOLE BROOK	MONKOKEHAMPTON	R29D007	36	-	36	-	36	-	35	-	36	3	36	-	34	-	36	6	35	1	35	-
BECKAMOOR BROOK	TERRIS BRIDGE	R29D052	31	-	31	-	31	-	31	1	31	-	31	-	29	-	31	1	19	-	19	-
BRIGHTLEY STREAM	BRIGHTLEY MILL	R29D025	37	-	37	-	37	-	37	-	37	-	37	-	33	-	37	-	37	-	37	-
MELDON STREAM	BRIDGE BELOW MELDON QUARRY	R29D029	33	-	33	-	29	-	27	-	29	-	29	-	15	-	33	-	30	-	30	-
RED-A-VEN BROOK	PRIOR TO WEST OKEMENT RIVER	R29D028	37	-	37	-	36	-	36	-	37	-	37	-	21	-	37	-	37	-	37	1
LEW	HOLE STOCK BRIDGE	R29C006	39	-	39	-	38	-	37	-	38	1	38	-	34	-	38	3	0	-	0	-
LEW	BLOCKAFORD	R29C025	38	-	38	-	37	-	36	-	37	1	37	-	34	-	37	3	0	-	0	-
LEW	GREAT FURLEIGH	R29C007	39	-	39	-	39	-	39	-	39	2	39	-	36	-	39	4	26	1	26	-
LEW	HATHERLEIGH BRIDGE	R29C008	41	-	41	-	39	-	39	-	38	-	39	-	35	-	39	3	8	-	8	-
LEW	LEWER BRIDGE	R29C009	41	-	41	-	41	-	41	-	41	1	41	-	39	-	41	4	41	2	41	-
FURZEWORTHY BROOK	FURZEHILL	R29C021	30	-	30	-	30	-	30	9	30	1	30	-	27	-	30	4	1	-	1	-
MEELAND BROOK	WATERHOUSE	R29C022	32	-	32	-	32	-	32	-	32	-	32	-	29	-	32	1	1	-	1	-
HOOKMOOR BROOK	NARRACOTT FORD	R29C023	32	-	32	-	32	-	32	-	32	1	32	-	28	-	32	1	1	-	1	-
WAGAFORD WATER	WAGAFORD BRIDGE	R29C024	32	-	32	-	32	-	32	-	32	1	32	-	29	-	32	4	1	-	1	-
NORTHLEW STREAM	NORTHLEW	R29C026	32	-	32	-	32	-	32	-	32	1	32	-	29	-	32	1	1	-	1	-
MUSSEL BROOK	WESTOVER	R29C038	31	-	31	-	31	-	30	-	31	-	31	-	29	-	31	1	0	-	0	-
WHITELEIGH WATER	DIPPERMILL	R29C039	32	-	32	-	32	-	31	-	32	-	32	-	32	-	32	1	0	-	0	-

Appendix 8.9

NATIONAL RIVERS AUTHORITY – SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
NUMBER OF SAMPLES (N) AND NUMBER OF SAMPLES EXCEEDING QUALITY STANDARD (F)
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	pH Lower		pH Upper		Temperature		DO (%)		BOD (ATU)		Total Ammonia		Union. Ammonia		S.Solids		Total Copper		Total Zinc	
			N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F	N	F
WALDON	BERRIDON COTTAGE	R29C010	32	-	32	-	32	-	32	-	33	1	32	3	28	-	32	-	20	-	20	-
WALDON	SUTCOMBE	R29C030	32	-	32	-	32	-	32	-	33	-	32	-	32	-	32	4	20	-	20	-
WALDON	WALDON BRIDGE	R29C011	31	-	31	-	31	-	31	-	32	-	31	-	30	-	31	2	0	-	0	-
WALDON	BERRY FARM	R29C042	31	-	31	-	31	-	31	-	32	2	31	-	31	-	31	3	19	-	19	-
WALDON	HENSCOTT BRIDGE	R29C012	38	-	38	-	38	-	38	-	38	3	38	-	37	-	38	7	38	2	38	-
COOKBURY STREAM	BASON CROSS	R29C043	32	-	32	-	32	-	32	-	33	1	32	-	30	-	32	5	20	-	20	-
DIPPLE WATER	DIPPLE BRIDGE	R29C013	36	-	36	-	34	-	33	1	36	2	36	2	32	-	36	4	36	1	36	-
CRANFORD WATER	LANEMILL BRIDGE	R29C044	22	-	22	-	22	-	22	-	22	1	22	1	20	-	22	-	5	-	5	-
CRANFORD WATER	CRANFORD	R29C046	23	-	23	-	23	-	23	-	23	-	23	2	22	1	23	-	0	-	0	-
CLEVEDON WATER	BITEFORD	R29C040	31	-	31	-	31	-	31	-	31	1	31	1	29	-	31	1	0	-	0	-
SECKINGTON WATER	CORVIN	R29C041	31	-	31	-	31	-	31	-	31	-	31	-	30	-	31	-	0	-	0	-

Appendix 8.9

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	PERCENTAGE EXCEEDENCE OF STATISTIC FROM QUALITY STANDARD									
			pH Lower	pH Upper	Temperature	DO (%)	BOD (ATU)	Total Ammonia	Un-ionised Ammonia	Suspended Solids	Total Copper	Total Zinc
TORRIDGE	FORDMILL FARM	R29C001	-	-	-	-	-	-	-	-	-	-
TORRIDGE	PUTFORD BRIDGE	R29C032	-	-	-	-	-	-	-	-	56	-
TORRIDGE	WOODFORD BRIDGE	R29C002	-	-	-	-	-	-	-	-	-	-
TORRIDGE	GIDCOTT	R29C033	-	-	-	-	-	-	-	-	-	-
TORRIDGE	KINGSLEY MILL	R29C003	-	-	-	-	24	-	-	-	-	-
TORRIDGE	ROCKHAY BRIDGE	R29C004	-	-	-	-	-	-	-	-	-	-
TORRIDGE	HELE BRIDGE	R29C005	-	-	-	-	-	-	-	-	-	-
TORRIDGE	NEWBRIDGE	R29B001	-	-	-	-	-	-	-	-	-	-
TORRIDGE	BEAFORD BRIDGE	R29B002	-	-	-	-	-	-	-	-	-	-
TORRIDGE	UNDERCLEAVE	R29B038	-	-	-	-	-	-	-	-	-	-
TORRIDGE	TOWN MILLS TORRINGTON	R29B003	-	-	-	-	-	-	-	-	-	-
TORRIDGE	ROTHERN BRIDGE	R29B004	-	-	-	-	-	-	-	-	-	-
TORRIDGE	BEAM BRIDGE	R29B034	-	-	-	-	-	-	-	-	25	-
GAMMATON STREAM	GAMMATON RESERVOIR	R29A013	-	6	-	-	10	-	-	-	-	-
JENNETT'S STREAM	JENNETT'S RESERVOIR	R29A014	-	-	-	9	6	-	-	-	25	-
YEO(BIDEFORD)	FOXDOWN	R29A001	-	-	-	-	21	-	-	-	25	-
YEO(BIDEFORD)	TUCKINGMILL	R29A002	-	-	-	-	13	-	-	-	-	-
YEO(BIDEFORD)	HOOPERS	R29A015	-	-	-	-	37	-	-	-	-	-
YEO(BIDEFORD)	HEALE HOUSE	R29A003	-	-	-	11	41	-	-	-	497	-
DUNTZ	HEMBURY	R29A004	-	-	-	-	21	100	-	-	-	-
DUNTZ	ORLEIGH MILLS	R29A005	-	-	-	-	54	-	-	-	-	-
LYDELAND WATER	WATER BRIDGE	R29A006	-	-	-	-	-	-	-	-	-	-
MELBURY STREAM	MELBURY RESERVOIR	R29A012	-	-	-	-	-	-	-	-	-	-
HUNTSHAW WATER	BRIDGE AT VAN'S WOOD	R29A026	-	-	-	-	-	-	-	-	-	-
COMMON LAKE	TANTONS PLAIN	R29B039	-	-	-	-	8	2069	155	-	-	-
LANGTREE LAKE	SERVICE FARM	R29A016	-	-	-	-	-	-	-	-	-	-
WOOLLEIGH BROOK	CASTLE HILL	R29B037	-	-	-	-	22	-	-	-	-	-
MERE	COLEFORD BRIDGE	R29B007	-	-	-	-	-	-	-	-	-	-
MERE	A386 BRIDGE AT MERTON	R29B008	-	-	-	-	-	-	-	-	-	-
MERE	GREATWOOD	R29B009	-	-	-	-	-	-	-	-	-	-
LITTLE MERE RIVER	WOOLADON MOOR	R29B005	-	-	-	-	-	-	-	-	-	-
LITTLE MERE RIVER	BURYMOOR BRIDGE	R29B006	-	-	-	-	-	-	-	-	-	-

Appendix 8.10

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	PERCENTAGE EXCEEDENCE OF STATISTIC FROM QUALITY STANDARD									
			pH Lower	pH Upper	Temperature	DO (%)	BOD (ATU)	Total Ammonia	Un-ionised Ammonia	Suspended Solids	Total Copper	Total Zinc
EAST OKEMENT RIVER	200M ABOVE FATHERFORD RAIL	R29D031	-	-	-	-	-	-	-	-	-	-
EAST OKEMENT RIVER	A30 BRIDGE AT OKEHAMPTON	R29D001	-	-	-	-	-	-	-	-	-	-
WEST OKEMENT RIVER	MELDON RESERVOIR	R29D053	3	-	-	-	-	-	-	-	235	-
WEST OKEMENT RIVER	BELOW MELDON DAM	R29D027	-	-	-	-	-	-	-	-	6	-
WEST OKEMENT RIVER	100M BELOW RED-A-VEN	R29D109	-	-	-	-	-	-	-	-	80	-
WEST OKEMENT RIVER	MELDON VIADUCT	R29D032	-	-	-	-	-	-	-	-	-	-
WEST OKEMENT RIVER	200M BELOW MELDON QUARRY BRIDGE	R29D030	-	-	-	-	-	-	-	-	22	52
WEST OKEMENT RIVER	OKEHAMPTON HOSPITAL	R29D002	-	-	-	-	-	-	-	-	-	-
OKEMENT	KNOWLE BRIDGE	R29D026	-	-	-	-	-	-	-	-	-	-
OKEMENT	BRIGHTLEY BRIDGE	R29D003	-	-	-	-	-	-	-	-	-	-
OKEMENT	SOUTH DORNAFORD	R29D004	-	-	-	-	30	21	-	-	-	-
OKEMENT	JACOBSTOWE	R29D008	-	-	-	-	45	-	-	-	-	-
OKEMENT	WOODHALL BRIDGE	R29D005	-	-	-	-	76	-	-	-	-	-
OKEMENT	IDDESLEIGH BRIDGE	R29D006	-	-	-	-	33	-	-	-	-	-
HOLE BROOK	MONKOKEHAMPTON	R29D007	-	-	-	-	76	-	-	4	-	-
BECKAMOOR BROOK	TERRIS BRIDGE	R29D052	-	-	-	7	-	-	-	-	-	-
BRIGHTLEY STREAM	BRIGHTLEY MILL	R29D025	-	-	-	-	-	-	-	-	-	-
MELDON STREAM	BRIDGE BELOW MELDON QUARRY	R29D029	-	-	-	-	-	-	-	-	-	-
RED-A-VEN BROOK	PRIOR TO WEST OKEMENT RIVER .	R29D028	-	-	-	-	-	-	-	-	-	-
LEW	HOLE STOCK BRIDGE	R29C006	-	-	-	-	-	-	-	-	-	-
LEW	BLOOMAFORD	R29C025	-	-	-	-	-	-	-	-	-	-
LEW	GREAT RUTLEIGH	R29C007	-	-	-	-	8	-	-	-	-	-
LEW	HATHERLEIGH BRIDGE	R29C008	-	-	-	-	-	-	-	-	-	-
LEW	LEWER BRIDGE	R29C009	-	-	-	-	-	-	-	-	15	-
PULWORTHY BROOK	FURZEHILL	R29C021	-	-	-	51	10	-	-	-	-	-
MEDLAND BROOK	WATERHOUSE	R29C022	-	-	-	-	-	-	-	-	-	-
HOOKMOOR BROOK	NARRACOTT FORD	R29C023	-	-	-	-	-	-	-	-	-	-
WAGAFORD WATER	WAGAFORD BRIDGE	R29C024	-	-	-	-	1	-	-	-	-	-
NORTHLEW STREAM	NORTHLEW	R29C026	-	-	-	-	-	-	-	-	-	-
MUSSEL BROOK	WESTOVER	R29C038	-	-	-	-	-	-	-	-	-	-
WHITELEIGH WATER	DIPPERMILL	R29C039	-	-	-	-	-	-	-	-	-	-

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PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS
CATCHMENT: TORRIDGE

River	Reach upstream of	User Ref. Number	PERCENTAGE EXCEEDENCE OF STATISTIC FROM QUALITY STANDARD									
			pH Lower	pH Upper	Temperature	DO (%)	BOD (ATU)	Total Ammonia	Un-ionised Ammonia	Suspended Solids	Total Copper	Total Zinc
WALDON	BERRIDON COTTAGE	R29C010	-	-	-	-	-	78	-	-	-	-
WALDON	SUTCOMBE	R29C030	-	-	-	-	-	-	-	-	-	-
WALDON	WALDON BRIDGE	R29C011	-	-	-	-	-	-	-	-	-	-
WALDON	BERRY FARM	R29C042	-	-	-	-	15	-	-	-	-	-
WALDON	HENSCOTT BRIDGE	R29C012	-	-	-	-	30	-	-	-	25	-
COOKBURY STREAM	BASON CROSS	R29C043	-	-	-	-	-	-	-	-	-	-
DIPPLE WATER	DIPPLE BRIDGE	R29C013	-	-	-	-	15	137	-	-	-	-
CRANFORD WATER	LANEMILL BRIDGE	R29C044	-	-	-	-	9	291	-	-	-	-
CRANFORD WATER	CRANFORD	R29C046	-	-	-	-	-	377	29	-	-	-
CLIFFORD WATER	BITEFORD	R29C040	-	-	-	-	22	22	-	-	-	-
SECKINGTON WATER	GORVIN	R29C041	-	-	-	-	-	-	-	-	-	-

Appendix 8.10