Environmental Protection Report

River Exe Catchment
River Water Quality
Classification 1991

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R Broome - Co-ordinator and Editor
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A Gurney - Statistical Schedule production

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Suggestions for improvements that could be incorporated in the production of the next Classification report would be welcomed.

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RIVER WATER QUALITY IN THE RIVER EXE CATCHMENT

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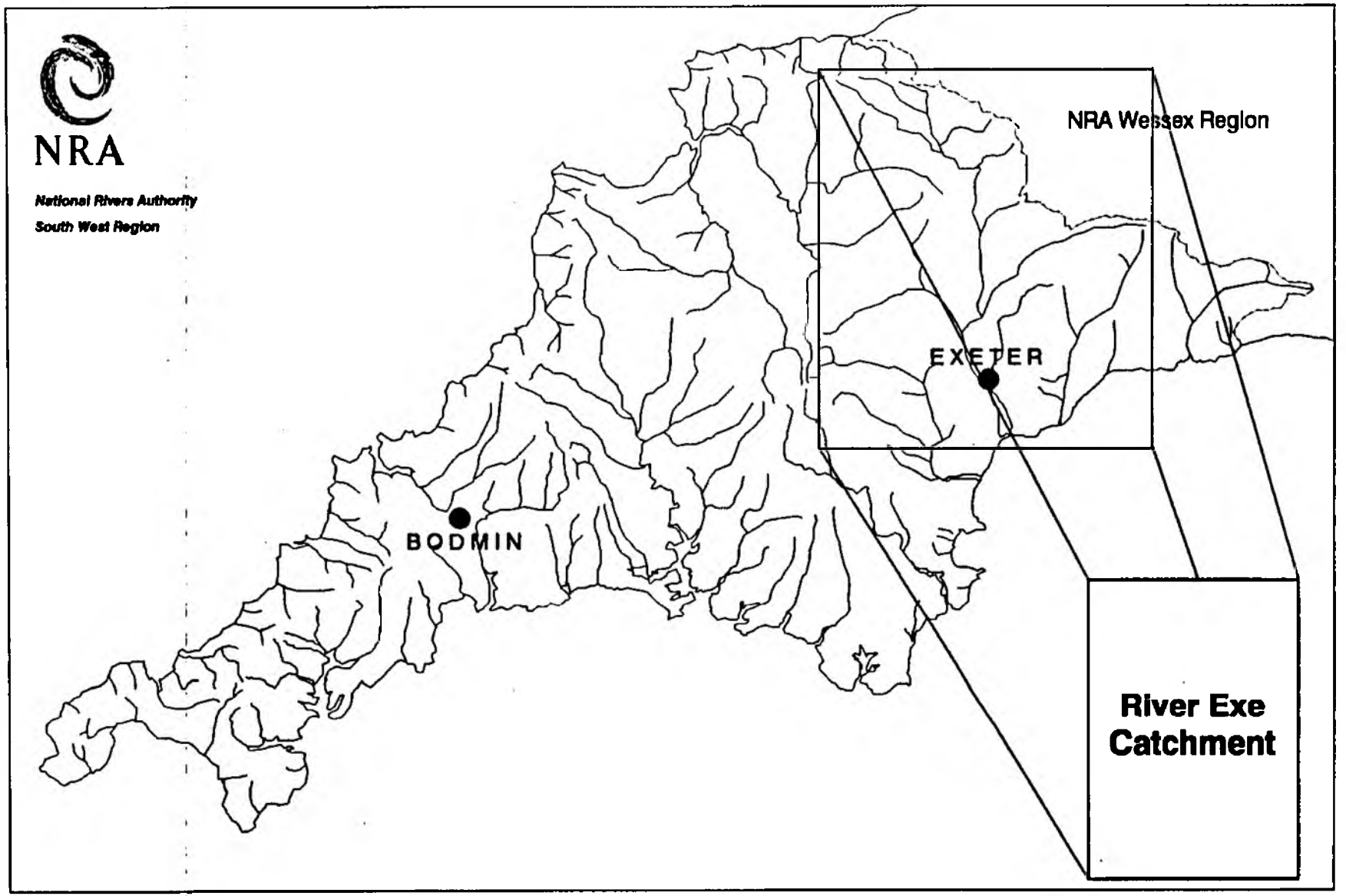
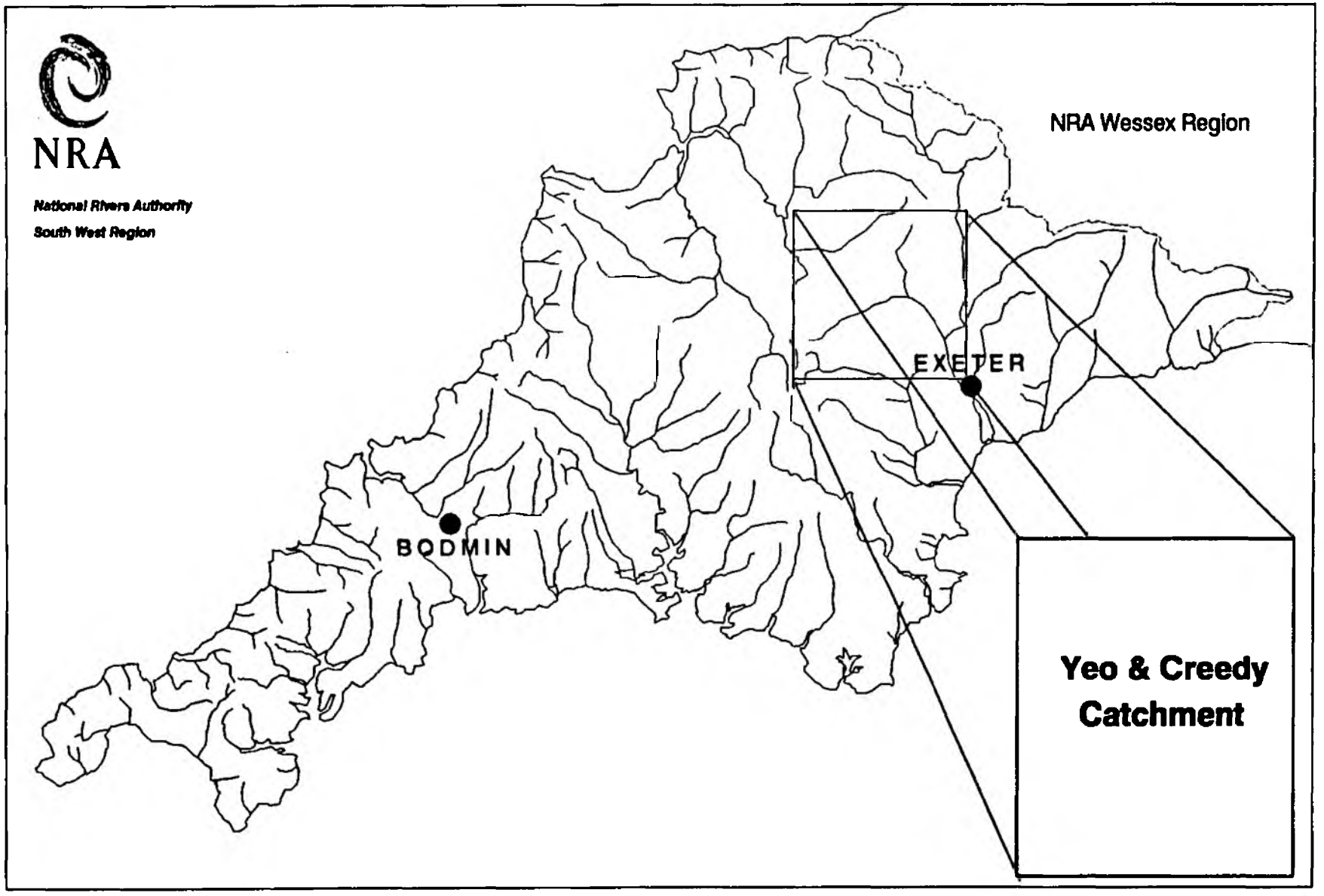
National Rivers Authority
South West Region



River Exe Catchment

National Rivers Authority
South West Region



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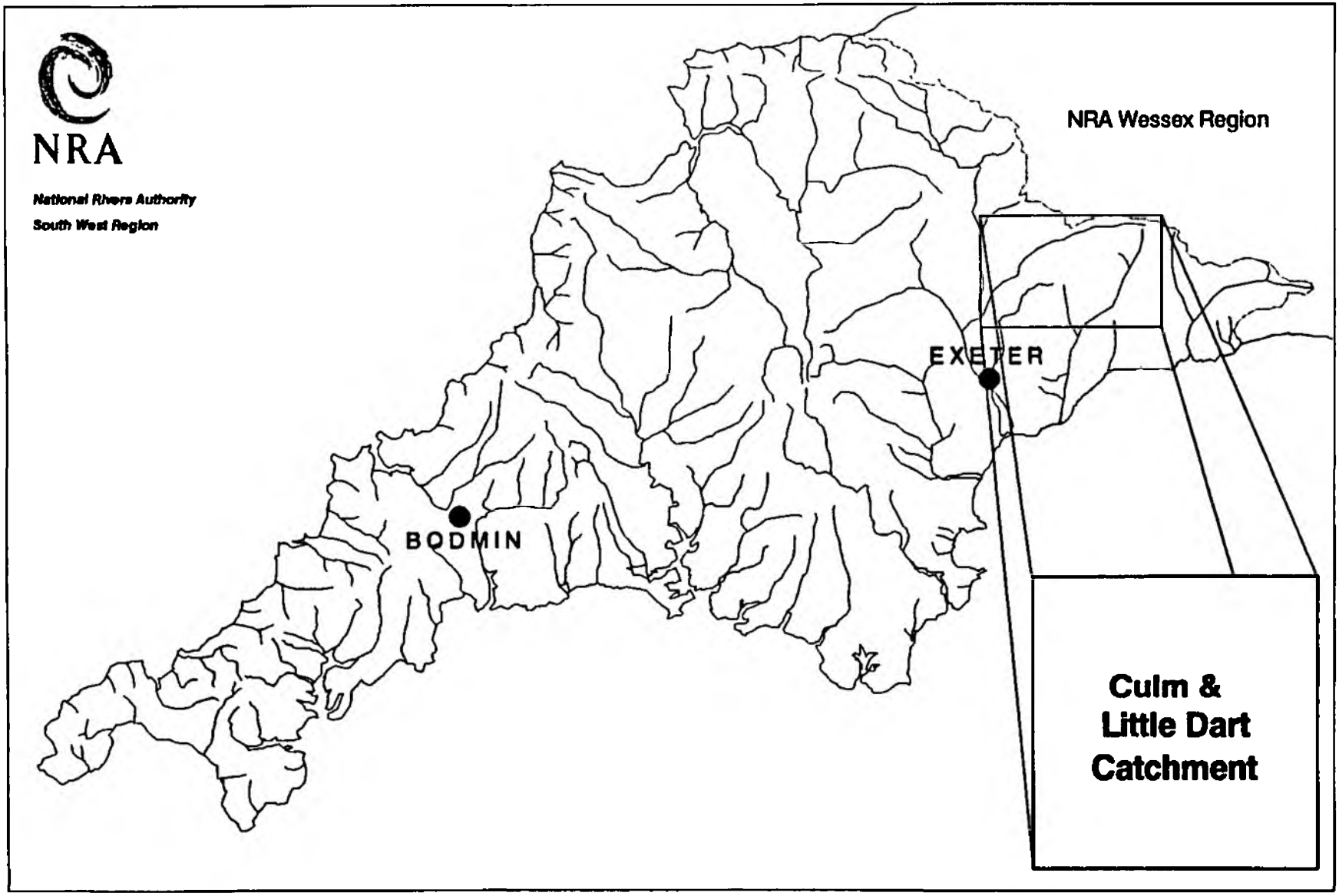

Culm & Little Dart Catchment

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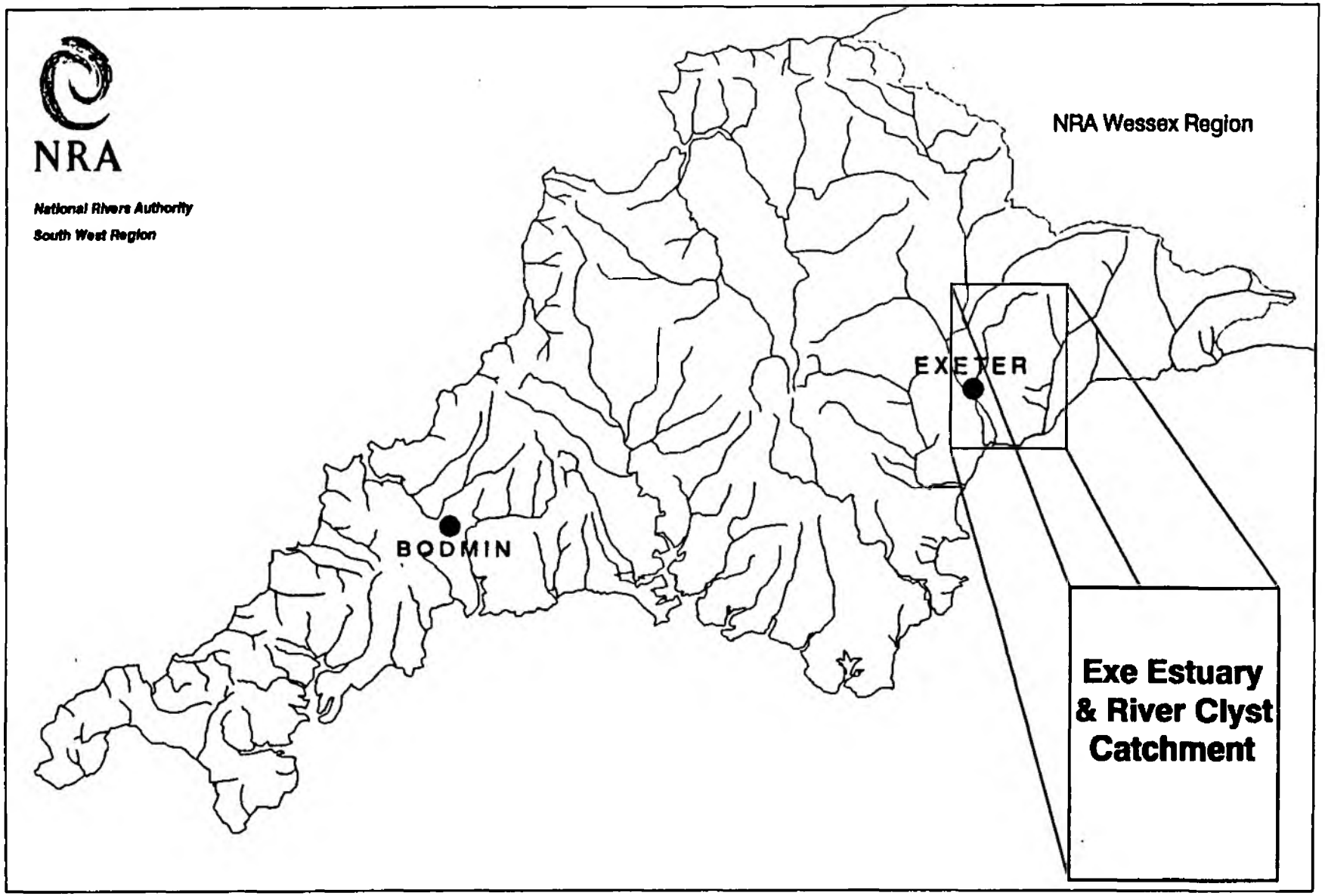

Exe Estuary & River Clyst Catchment

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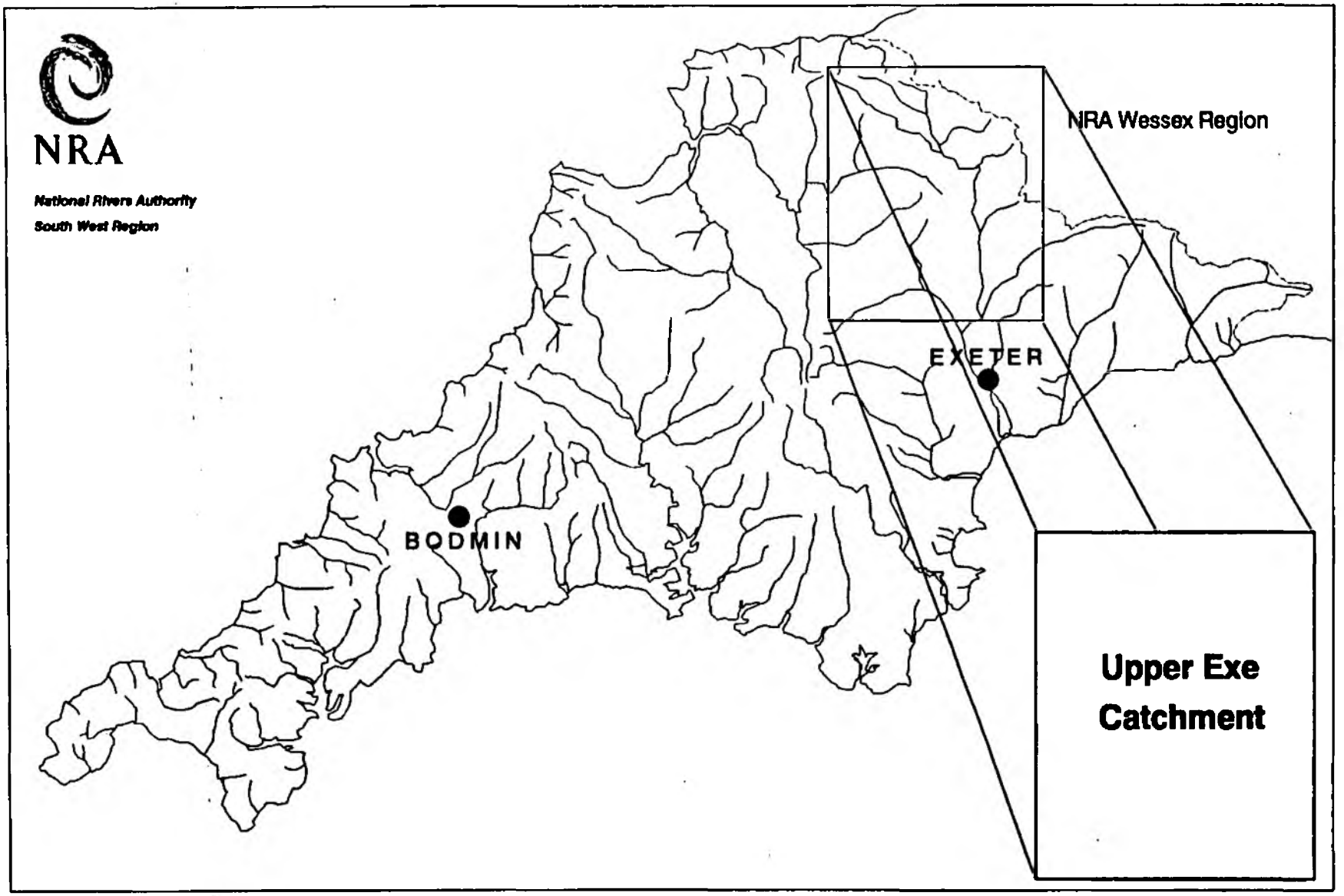


Upper Exe Catchment

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 Exe catchment.

2. RIVER EXE CATCHMENT

For reasons of clarity the following Monitoring summary is not broken up into four separate sub-catchments of the River Exe as represented by the Water Quality Maps attached.

The River Exe flows over a distance of 87.2 km from its source to the tidal limit, (Appendix 8.1). Water quality was monitored at fourteen locations on the main river; twelve of these sites were sampled at approximately monthly intervals. Sites at Thorverton and Trews Weir, which are National Water Quality monitoring points, were sampled fortnightly.

Dawlish Water flows over a distance of 9.7 km from its source to the tidal limit, (Appendix 8.1) and was monitored at approximately monthly intervals.

The River Clyst flows over a distance of 25.1 km from its source to the tidal limit in the River Exe Estuary, (Appendix 8.1) and was monitored at seven locations.

The Alphin Brook flows over a distance of 11.7 km from its source to tidal limit and was sampled at three locations.

The River Kenn flows over a distance of 14.7 km from its source to tidal limit and was monitored at two locations. (Appendix 8.1).

The Polly Brook flows over a distance of 5.6 km from source to tidal limit and was sampled at one location. (Appendix 8.1).

Throughout the Exe catchment eighteen secondary tributaries (plus the Tiverton (Grand Western) and Exeter Canals), fifteen tertiary, six quaternary and one quinary tributary of the River Exe were monitored. In addition Wimbleball Reservoir was sampled at one location at approximately monthly intervals.

The Tiverton Canal (Grand Western) flows over a distance of 18.3 km from its source to the end of the Canal, (Appendix 8.1) and was monitored at two locations.

Samples were collected at monthly intervals for all sites.

2.1 SECONDARY TRIBUTARIES

The River Culm flows over a distance of 45.3 km from its source to the confluence with the River Exe, (Appendix 8.1) and was monitored at thirteen locations.

The River Creedy flows over a distance of 24.3 km from its source to the confluence with the River Exe, (Appendix 8.1) and was monitored at five locations.

The Cranny Brook flows over a distance of 11.4 km before joining the River Clyst, (Appendix 8.1) and was monitored at three locations.

The River Lowman (15.5 km), River Batherm (16.7 km) and River Barle (38.8 km) were all monitored at three locations between their source and the confluence with the River Exe, (Appendix 8.1).

The River Haddeo (13.8 km) and River Dart (Exe) (14.6 km) were monitored at two locations between their source and confluence with the River Exe, (Appendix 8.1).

The North Brook (6.8 km), River Burn (8.9 km), Thorverton Stream (6.6 km), Calverleigh Stream (7.0 km), Iron Mill Stream (10.1 km), Brockey River (8.4 km), Grindle Brook (9 km), Aylesbeare Stream (8 km), Pin Brook (6.6 km) and River Quarme (12.3 km) were all monitored at one location. Monitoring points were all located in the lower reaches of these streams. (Appendix 8.1).

2.2 TERTIARY TRIBUTARIES

The River Madford (8.1 km) and Spratford Stream (19.3 km) were all monitored at three locations between their source and confluence with the River Culm. (Appendix 8.1).

The Yeo (Creedy) flows over a distance of 19.6 km before joining the Creedy and was monitored at three locations. (Appendix 8.1).

The Shuttern Brook flows over a distance of 5.1 km before joining the River Creedy and was monitored at one location. (Appendix 8.1).

The River Weaver (12.3 km), Sheldon Stream (9.8 km), Uplowman (8 km), Pulham River (9 km), Danes Brook (12.1 km), Sherdon Water (9.4 km), Jackmoor Brook (7.6 km), Shobrooke Lake (9.6 km), Ford Stream (6.1 km) Binneford Water (8.9 km) and Holly Water (11.5 km) were all monitored at one location. Monitoring points were located in the lower reaches of these streams. (Appendix 8.1).

2.3 QUATERNARY TRIBUTARIES

The River Troney flows over a distance of 14.1 km before joining the River Yeo (Creedy), (Appendix 8.1) and was monitored at two locations.

Ford Brook (6.6 km), Culvery River (9.4 km), Bolham River (6 km), Heron's Bank Brook (6.7 km) and Dunkeswell Stream (2.8 km) were all monitored at one location. Monitoring points were all located in the lower reaches of these streams.

2.4 QUINARY TRIBUTARIES

The Cole Brook flows over a distance of 5.5 km before joining the River Troney, (Appendix 8.1) and was monitored at one location.

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 Exe 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

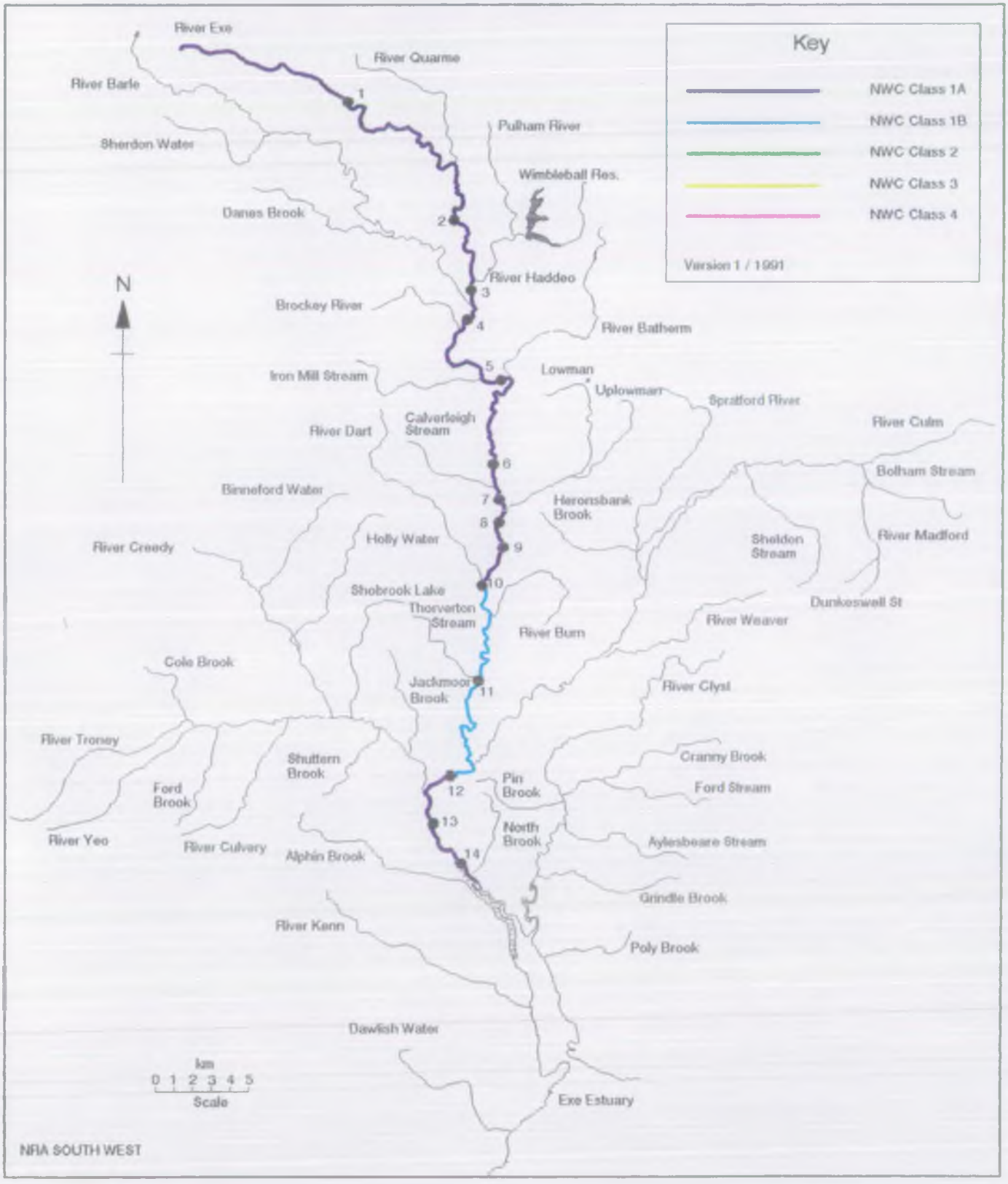
Reference

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.

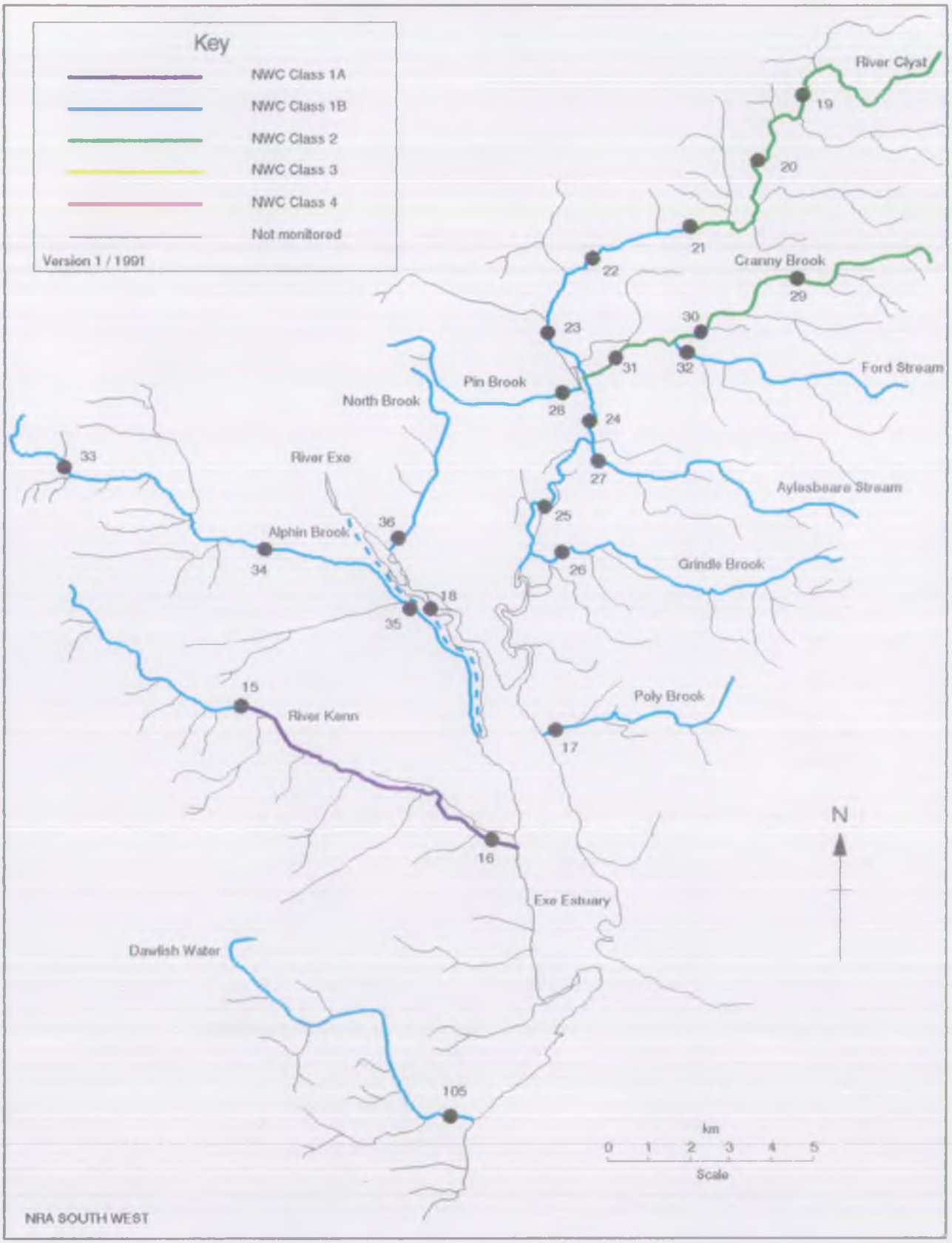
7.3 Alabaster J. S. and Lloyd R. Water Quality Criteria for Freshwater Fish, 2nd edition, 1982. Butterworths.

River Exe
River Quality Objectives

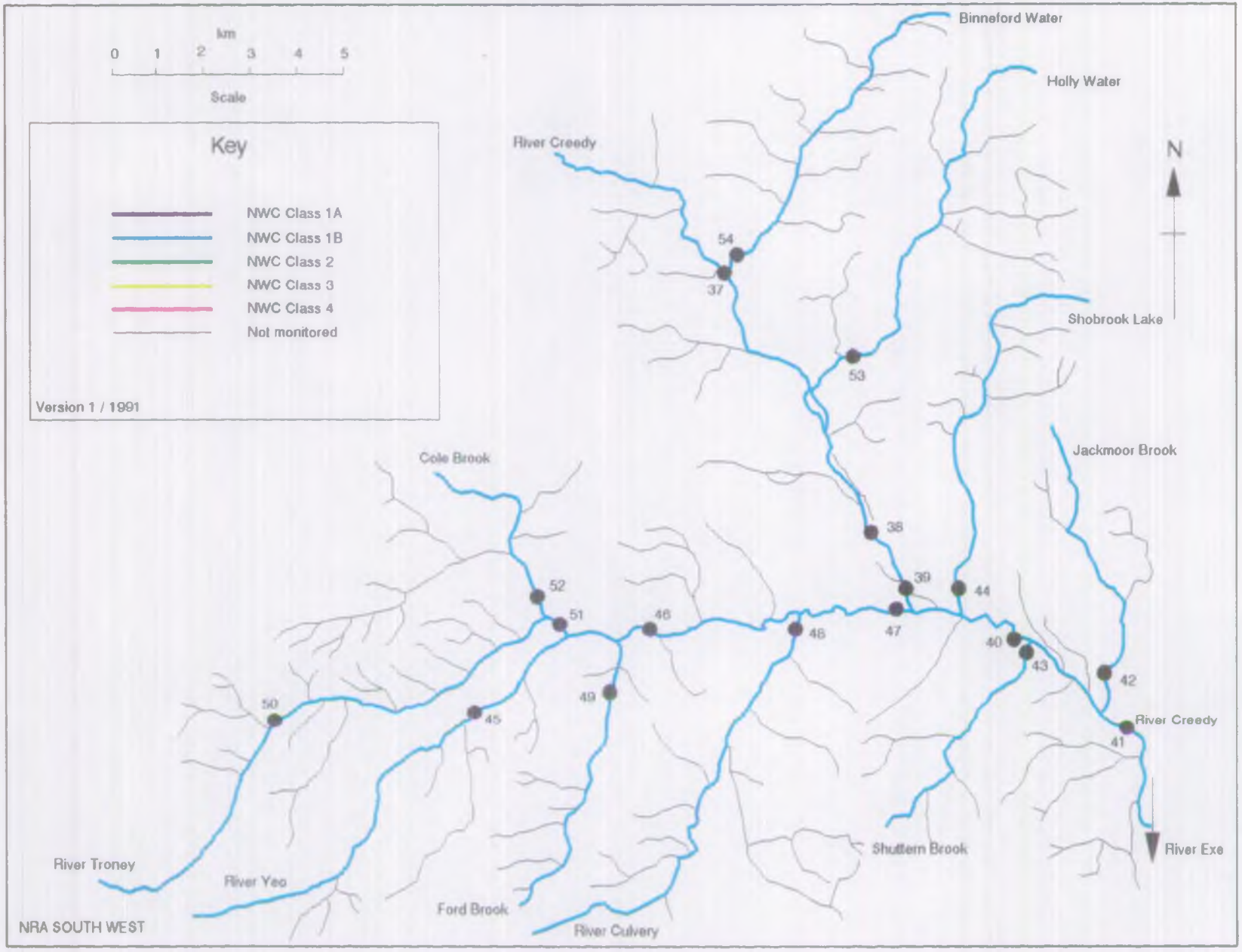


Exe Estuary and Clyst Catchments
River Quality Objectives

Appendix 8.1

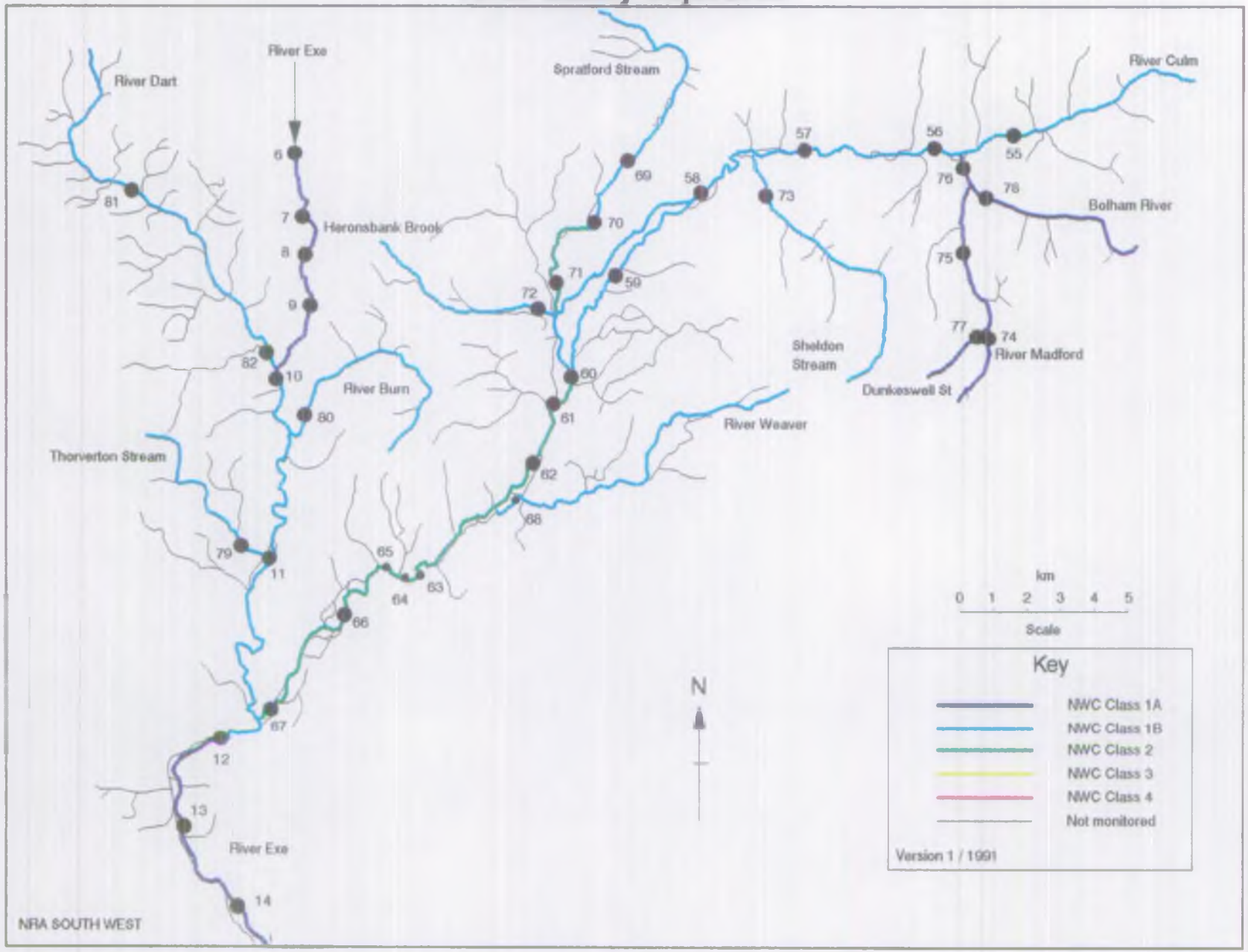


Yeo & Creedy Catchments
River Quality Objectives



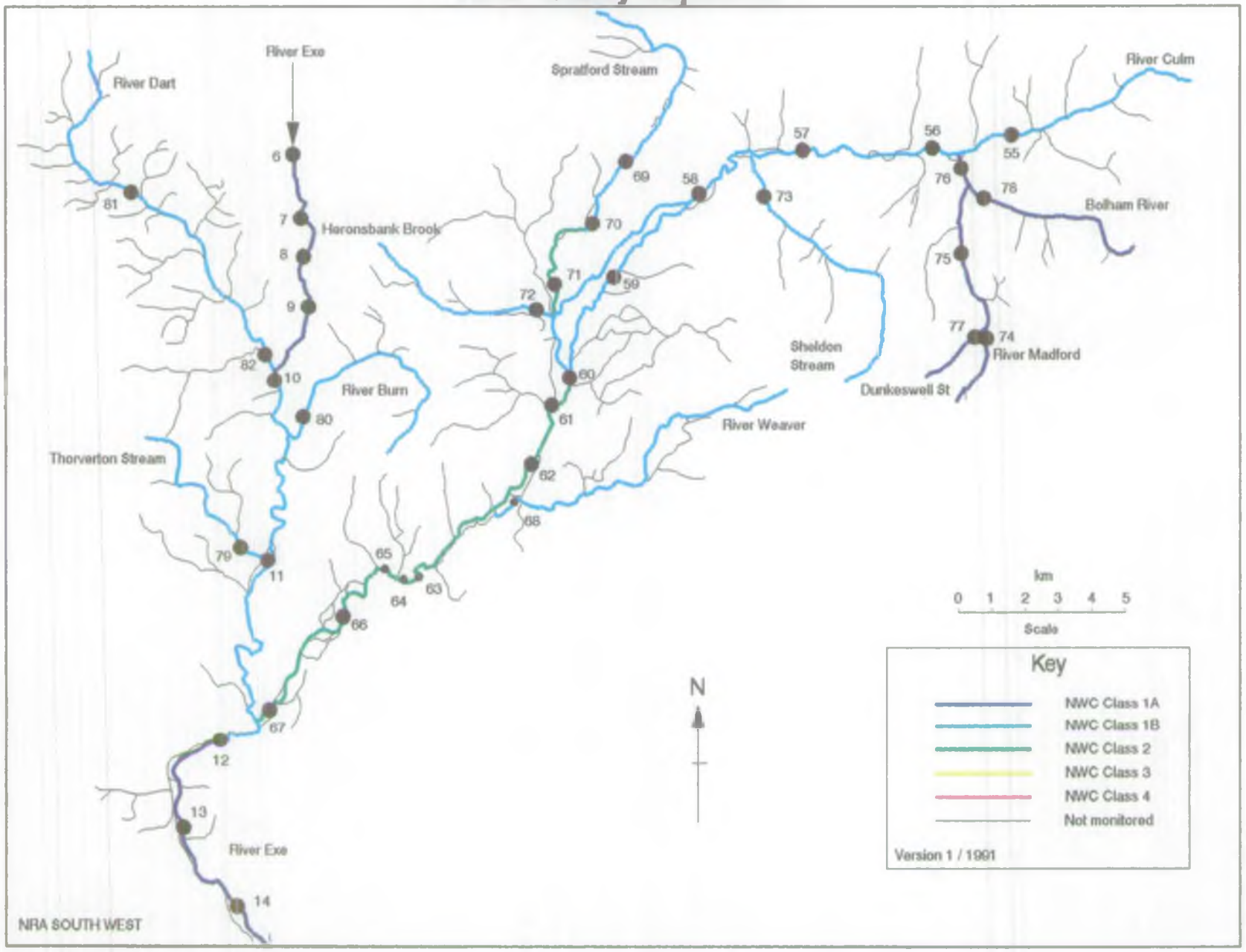
Appendix 8.1

Culm and Little Dart Catchments
River Quality Objectives



Appendix 8.1

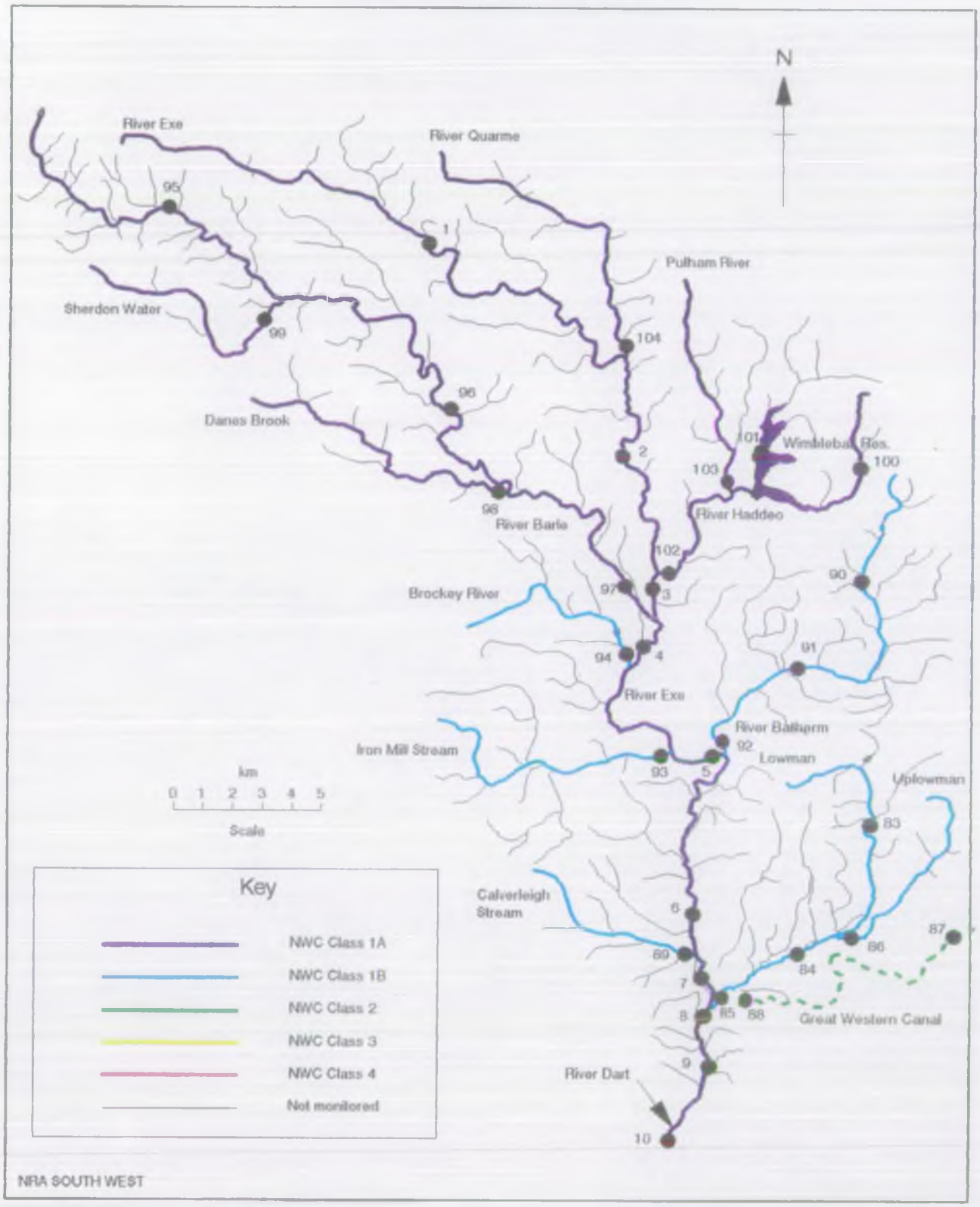
Culm and Little Dart Catchments
River Quality Objectives



Appendix 8.1

Upper Exe 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) DO greater than 10% saturation (ii) Not likely to be anaerobic (iii) 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 absen 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 Surfac 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: EXE

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	EXE	COURT FARM EXFORD	R05G001	SS 8572 3806	12.9	12.9	1A	1A	1A	1A	1A	1B	1A	1A
2	EXE	CHILLY BRIDGE	R05G002	SS 9237 3068	16.2	29.1	1A	1A	1A	1A	1A	1A	2	2
3	EXE	WARMORE	R05G003	SS 9347 2599	6.0	35.1	1A	1A	1A	1A	1A	1A	1B	1A
4	EXE	EXEBRIDGE	R05E001	SS 9301 2447	2.0	37.1	1A	1A	1A	1A	1A	1A	1A	1A
5	EXE	HALFPENNY BRIDGE	R05E002	SS 9525 2053	7.7	44.8	1A	1A	1A	1A	1A	1B	1B	1A
6	EXE	LYTHECOURT	R05E003	SS 9486 1532	7.7	52.5	1A	2	3	3	2	2	1A	1A
7	EXE	TIVERTON NEW BRIDGE	R05E004	SS 9491 1308	2.5	55.0	1A	2	3	3	2	2	2	1B
8	EXE	COLLIPRIEST TIVERTON	R05E005	SS 9517 1165	1.8	56.8	1A	1B	1A	1A	1A	1A	2	2
9	EXE	ASHLEY	R05E006	SS 9528 0990	2.0	58.8	1A	1B	1A	1A	1B	2	2	1B
10	EXE	BICKLEIGH CASTLE	R05D015	SS 9368 0683	3.9	62.7	1A	1B	1A	1A	1B	1B	1B	2
11	EXE	THORVERTON GAUGING STATION	R05D001	SS 9358 0167	7.1	69.8	1B	1B	1A	1B	1B	1B	1B	1B
12	EXE	STAFFORD BRIDGE	R05D002	SX 9222 9635	8.8	78.6	1B	1B	1B	1B	1B	1B	1B	1B
13	EXE	EXWICK	R05D003	SX 9105 9360	3.9	82.5	1A	1B	1B	1B	1B	1B	2	2
14	EXE	TREWS WEIR EXETER	R05D004	SX 9255 9147	3.0	85.5	1A	2	1B	1B	1B	1B	1B	1B
	EXE	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.7	87.2	1A	2	1B	1B	1B	1B	1B	1B
15	KENN	A38 BRIDGE KENNFORD	R05A001	SX 9132 8662	6.9	6.9	1B	2	3	3	3	3	3	3
16	KENN	POWDERHAM CASTLE	R05A002	SX 9660 8343	6.8	13.7	1A	1A	1B	1B	3	2	2	1B
	KENN	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.0	14.7	1A	1A	1B	1B	3	2	2	1B
17	POLLY BROOK	EXTON	R05A029	SX 9833 8629	5.4	5.4	1B							2
	POLLY BROOK	NORMAL TIDAL LIMIT (INFERRED STRETCH)			0.2	5.6	1B							2
18	EXETER CANAL	A38 BRIDGE COUNTESS WEAR	R05A006	SX 9401 8942	3.0	3.0	1B	1B	3	3	3	3	3	3
	EXETER CANAL	NORMAL TIDAL LIMIT (INFERRED STRETCH)			4.2	7.2	1B	1B	3	3	3	3	3	3
19	CLYST	CLYST HYDON	R05B001	ST 0363 0156	4.9	4.9	2	3	4	4	4	3	3	3
20	CLYST	CLYST ST LAWRENCE	R05B002	ST 0275 0003	2.4	7.3	2	3	3	3	3	3	3	3
21	CLYST	ASHCLYST FARM	R05B003	SY 0105 9833	3.6	10.9	2	2	3	3	4	3	2	2
22	CLYST	A38 BRIDGE BROADCLYST	R05B004	SX 9842 9760	3.2	14.1	1B	2	3	3	4	3	2	2
23	CLYST	WITHY BRIDGE	R05B005	SX 9752 9570	2.6	16.7	1B	2	3	3	4	3	2	2
24	CLYST	A30 BRIDGE CLYST HONITON	R05B006	SX 9850 9347	2.9	19.6	1B	1B	3	3	3	2	2	1B
25	CLYST	CLYST ST MARY	R05B007	SX 9722 9170	3.6	23.2	1B	1B	3	3	3	2	3	3
	CLYST	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.9	25.1	1B	1B	3	3	3	2	3	3
26	GRINDLE BROOK	WINSLADE PARK	R05A028	SX 9751 9033	8.3	8.3	1B						3	3
	GRINDLE BROOK	CLYST CONFLUENCE (INFERRED STRETCH)			0.7	9.0	1B						3	3
27	AYLESBEARE STREAM	DYMONDS FARM	R05B013	SX 9867 9267	7.6	7.6	1B						3	3
	AYLESBEARE STREAM	CLYST CONFLUENCE (INFERRED STRETCH)			0.4	8.0	1B						3	3
28	PIN BROOK	MOSSHAYNE	R05B012	SX 9813 9437	5.6	5.6	1B						1B	1B
	PIN BROOK	CLYST CONFLUENCE (INFERRED STRETCH)			1.0	6.6	1B						1B	1B
29	CRANNY BROOK	BARRSHAYES	R05B009	SY 0378 9710	4.0	4.0	2	3	3	3	3	3	4	4

Appendix 8.5

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

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
30	CRANNY BROOK	CRANNAFORD CROSSING	R05B010	SY 0133 9599	3.5	7.5	2	4	3	3	3	3	3	2
31	CRANNY BROOK	WISHFORD FARM	R05B011	SX 9905 9545	3.0	10.5	2	3	3	3	3	2	2	2
	CRANNY BROOK	CLYST CONFLUENCE (INFERRED STRETCH)			0.9	11.4	2	3	3	3	3	2	2	2
32	FORD STREAM	A30 BRIDGE, NEAR ROCKBEARE	R05B014	SY 0090 9525	5.7	5.7	1B						2	2
	FORD STREAM	CRANNY BROOK CONFL. (INFERRED STRETCH)			0.4	6.1	1B						2	2
33	ALPHIN BROOK	DYMONDS BRIDGE	R05A003	SX 8672 9287	2.2	2.2	1B	2	1B	1B	2	2	3	3
34	ALPHIN BROOK	FOOTBRIDGE ALPHINGTON	R05A004	SX 9122 9030	6.2	8.4	1B	1B	1B	1B	2	3	3	3
35	ALPHIN BROOK	COUNTESS WEAR BRIDGE	R05A005	SX 9399 8938	3.1	11.5	1B	1B	1B	3	3	3	3	3
	ALPHIN BROOK	NORMAL TIDAL LIMIT (INFERRED STRETCH)			0.2	11.7	1B	1B	1B	3	3	3	3	3
36	NORTH BROOK	NORTHBROOK PARK	R05A026	SX 9389 9057	6.5	6.5	1B						3	3
	NORTH BROOK	NORMAL TIDAL LIMIT (INFERRED STRETCH)			0.3	6.8	1B						3	3
37	CREEDY	ASHRIDGE BRIDGE	R05J001	SS 8188 0620	5.7	5.7	1B	1B	1B	2	2	2	3	2
38	CREEDY	CREEDY BRIDGE	R05J002	SS 8460 0118	7.8	13.5	1B	2	1B	1B	1B	1B	1B	1B
39	CREEDY	WESTACOTT COTTAGES	R05J003	SX 8550 9985	1.9	15.4	1B	2	2	1B	1B	1B	2	2
40	CREEDY	NEWTON ST CYRES	R05J013	SX 8808 9856	4.2	19.6	1B	2	1B	1B	1B	1B	1B	1B
41	CREEDY	OAKFORD FARM	R05J004	SX 9005 9675	3.1	22.7	1B	1B	1B	1B	1B	1B	1B	2
	CREEDY	EXE CONFLUENCE (INFERRED STRETCH)			1.6	24.3	1B	1B	1B	1B	1B	1B	1B	2
42	JACKMOOR BROOK	LANGFORD	R05J018	SX 8981 9772	6.6	6.6	1B						1B	3
	JACKMOOR BROOK	CREEDY CONFLUENCE (INFERRED STRETCH)			1.0	7.6	1B						1B	3
43	SHUTTERN BROOK	PRIOR TO RIVER CREEDY	R05J021	SX 8830 9843	5.0	5.0	1B							3
	SHUTTERN BROOK	CREEDY CONFLUENCE (INFERRED STRETCH)			0.1	5.1	1B							3
44	SHOBROOK LAKE	CREEDY BARTON	R05J017	SX 8681 9953	9.0	9.0	1B						1B	1B
	SHOBROOK LAKE	CREEDY CONFLUENCE (INFERRED STRETCH)			0.6	9.6	1B						1B	1B
45	YEO (CREEDY)	BINNEFORD	R05K003	SX 7601 9685	7.7	7.7	1B	1B	1B	2	2	2	3	3
46	YEO (CREEDY)	GUNSTONE MILLS	R05K004	SX 8055 9847	6.0	13.7	1B	1B	1B	2	2	2	1B	1B
47	YEO (CREEDY)	DOWNES MILLS PRIOR TO RIVER CREEDY	R05K005	SX 8560 9910	5.6	19.5	1B	1B	1B	1B	1B	1B	1B	1B
	YEO (CREEDY)	CREEDY CONFLUENCE (INFERRED STRETCH)			0.1	19.6	1B	1B	1B	1B	1B	1B	1B	1B
48	CULVERY RIVER	UTON	R05K011	SX 8343 9859	8.8	8.8	1B						2	2
	CULVERY RIVER	YEO CONFLUENCE (INFERRED STRETCH)			0.6	9.4	1B						2	2
49	FORD BROOK	FORD FARM	R05K010	SX 7938 9769	5.6	5.6	1B						4	3
	FORD BROOK	YEO CONFLUENCE (INFERRED STRETCH)			1.0	6.6	1B						4	3
50	TRONEY	EASTERBROOK	R05K008	SX 7232 9707	6.4	6.4	1B	1B	1B	2	2	2	2	2
51	TRONEY	YEOFORD	R05K002	SX 7827 9897	7.6	14.0	1B	1B	1B	2	2	2	1B	1B
	TRONEY	YEO CONFLUENCE (INFERRED STRETCH)			0.1	14.1	1B	1B	1B	2	2	2	1B	1B

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

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
52	COLE BROOK	COLEBROOKE	R05K009	SX 7779 9957	5.0	5.0	1B						1B	1B
	COLE BROOK	TRONEY CONFLUENCE (INFERRED STRETCH)			0.5	5.5	1B						1B	1B
53	HOLLY WATER	HEATH BRIDGE	R05J015	SS 8443 0450	10.0	10.0	1B						2	2
	HOLLY WATER	CREEDY CONFLUENCE (INFERRED STRETCH)			1.5	11.5	1B						2	2
54	BINNEFORD WATER	NEAR ASHRIDGE FARM	R05J016	SS 8198 0615	8.8	8.8	1B						2	2
	BINNEFORD WATER	CREEDY CONFLUENCE (INFERRED STRETCH)			0.1	8.9	1B						2	2
55	CULM	ROSEMARY LANE CLAYHIDON	R05C002	ST 1600 1408	7.3	7.3	1B	2	2	2	1B	1B	1A	1A
56	CULM	HEMYOCK	R05C003	ST 1385 1395	2.3	9.6	1B	2	1B	1B	2	1B	2	2
57	CULM	CULMSTOCK	R05C004	ST 1012 1372	4.6	14.2	1B	2	2	2	2	1B	2	1B
58	CULM	UFFCULME	R05C005	ST 0700 1257	4.1	18.3	1B	2	1B	1B	1B	1B	1B	1B
59	CULM	SKINNER'S FARM WILLAND	R05C006	ST 0422 1018	4.4	22.7	1B	2	2	1B	2	2	2	1B
60	CULM	HIGHER UPTON FARM	R05C007	ST 0266 0660	4.5	27.2	1B	3	3	3	2	2	2	1B
61	CULM	BELOW CULLOMPTON STW	R05C043	ST 022 060	0.7	27.9	2	2	2	2	2	2	N	2
62	CULM	MERRY HARRIERS INN WESTCOTT	R05C008	ST 0136 0425	2.3	30.2	2	2	2	2	2	2	3	2
63	CULM	50M BELOW WEIR, ABOVE SILVERTON MILL	R05C009	SS 9801 0102	5.9	36.1	2	2	2	2	2	2	2	2
64	CULM	FOOTBRIDGE ABOVE SILVERTON MILL	R05C010	SS 9767 0107	0.4	36.5	2	2	2	2	2	2	2	2
65	CULM	POINT 200M BELOW SILVERTON MILL	R05C011	SS 9743 0137	0.4	36.9	2	2	2	3	3	3	2	2
66	CULM	COLUMBJOHN	R05C012	SX 9580 9975	3.4	40.3	2	2	2	2	3	2	2	2
67	CULM	A.396 BRIDGE STOKE CANON	R05C013	SX 9380 9760	4.0	44.3	2	2	2	2	2	2	2	2
	CULM	EXE CONFLUENCE (INFERRED STRETCH)			1.0	45.3	2	2	2	2	2	2	2	2
68	WEAVER	WEAVER BRIDGE ON B3181	R05C026	ST 0134 0337	10.4	10.4	1B						3	3
	WEAVER	CULM CONFLUENCE (INFERRED STRETCH)			1.9	12.3	1B						3	3
69	SPRATFORD STREAM	LEONARD MOOR BRIDGE	R05C015	ST 0450 1413	10.4	10.4	1B	2	4	4	4	2	2	1B
70	SPRATFORD STREAM	B3391 BRIDGE TIVERTON JUNCTION	R05C016	ST 0318 1160	3.3	13.7	1B	2	3	3	3	1B	1B	1B
71	SPRATFORD STREAM	FIVE BRIDGES	R05C017	ST 0260 0958	3.0	16.7	2	2	3	3	3	3	3	2
	SPRATFORD STREAM	CULM CONFLUENCE (INFERRED STRETCH)			2.6	19.3	2	2	3	3	3	3	3	2
72	HERONSBANK BROOK	HERONS BANK	R05C027	ST 0243 0885	6.6	6.6	1B						1B	1B
	HERONSBANK BROOK	SPRATFORD STREAM CONFL. (INF. STRETCH)			0.1	6.7	1B						1B	1B
73	SHELDON STREAM	CRADDOCK BRIDGE	R05C014	ST 0873 1242	8.4	8.4	1B	2	3	3	2	2	2	2
	SHELDON STREAM	CULM CONFLUENCE (INFERRED STRETCH)			1.4	9.8	1B	2	3	3	2	2	2	2
74	MADFORD RIVER	PRIOR TO DUNKESWELL STREAM	R05C041	ST 1522 0838	1.9	1.9	1A	1B	3	3	3	2	N	1A
75	MADFORD RIVER	DUNKESWELL ABBEY	R05C028	ST 1438 1050	2.7	4.6	1A	1B	3	3	3	2	1B	1B
76	MADFORD RIVER	CULM BRIDGE HEMYOCK	R05C019	ST 1435 1352	3.2	7.8	1A	1B	3	3	3	2	2	3
	MADFORD RIVER	CULM CONFLUENCE (INFERRED STRETCH)			0.3	8.1	1A	1B	3	3	3	2	2	3
77	DUNKESWELL STREAM	PRIOR TO MADFORD RIVER	R05C042	ST 1492 0829	2.4	2.4	1A						N	1B

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

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
	DUNKESWELL STREAM	MADFORD CONFLUENCE (INFERRED STRETCH)			0.4	2.8	1A						N	1B
78	BOLHAM RIVER	FIVE BRIDGES	R05C018	ST 1500 1253	5.8	5.8	1A	1B	2	2	2	2	2	2
	BOLHAM RIVER	MADFORD CONFLUENCE (INFERRED STRETCH)			0.2	6.0	1A	1B	2	2	2	2	2	2
79	THORVERTON STREAM	THORVERTON BRIDGE	R05D009	SS 9265 0206	5.1	5.1	1B						2	3
	THORVERTON STREAM	EXE CONFLUENCE (INFERRED STRETCH)			1.5	6.6	1B						2	3
80	BURN	BURN MILL FARM	R05D008	SS 9467 0551	8.4	8.4	1B						2	3
	BURN	EXE CONFLUENCE (INFERRED STRETCH)			0.5	8.9	1B						2	3
81	DART (EXE)	A373 BRIDGE BRADLEY	R05D006	SS 8958 1245	6.4	6.4	1B	1B	2	2	2	2	3	2
82	DART (EXE)	DART BRIDGE BICKLEIGH	R05D007	SS 9357 0762	7.8	14.2	1B	2	1B	1B	1B	1B	1B	1B
	DART (EXE)	EXE CONFLUENCE (INFERRED STRETCH)			0.4	14.6	1B	2	1B	1B	1B	1B	1B	1B
83	LOWMAN	HUNTSHAM WOOD	R05E009	ST 0081 1831	4.9	4.9	1B	1B	1A	1A	1B	2	1B	2
84	LOWMAN	CRAZE LOWMAN	R05E010	SS 9853 1408	6.2	11.1	1B	1B	1A	1A	1B	2	1B	1B
85	LOWMAN	A373 BRIDGE TIVERTON	R05E011	SS 9562 1258	3.6	14.7	1B	2	1B	1A	2	2	2	1B
	LOWMAN	EXE CONFLUENCE (INFERRED STRETCH)			0.8	15.5	1B	2	1B	1A	2	2	2	1B
86	UPLOWMAN STREAM	WIDHAYES	R05E021	ST 0002 1450	7.1	7.1	1B						2	2
	UPLOWMAN STREAM	LOWMAN CONFLUENCE (INFERRED STRETCH)			0.9	8.0	1B						2	2
87	GRAND WESTERN CANAL	FENACRE BRIDGE	R05C021	ST 0708 1780	2.0	2.0	2	2	3	3	3	4	4	4
88	GRAND WESTERN CANAL	THE BASIN TIVERTON	R05E013	SS 9629 1238	16.3	18.3	2	4	4	4	3	4	4	4
89	CALVERLEIGH STREAM	SWINESBRIDGE	R05E020	SS 9454 1394	6.7	6.7	1B						1B	1B
	CALVERLEIGH STREAM	EXE CONFLUENCE (INFERRED STRETCH)			0.3	7.0	1B						1B	1B
90	BATHERM	RANSCOMBE	R05F001	ST 0043 2679	4.3	4.3	1B	1A	1B	1A	2	2	1A	1A
91	BATHERM	A361 BRIDGE SHILLINGFORD	R05F002	SS 9799 2378	6.9	11.2	1B	1A	1B	1A	2	2	3	1B
92	BATHERM	BOMBIERHILL WOOD	R05F003	SS 9545 2093	5.1	16.3	1B	1B	1A	1A	1B	1B	1B	1B
	BATHERM	EXE CONFLUENCE (INFERRED STRETCH)			0.4	16.7	1B	1B	1A	1A	1B	1B	1B	1B
93	IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	SS 9380 2085	10.0	10.0	1B	1A	1A	1B	1B	1B	1B	1A
	IRON MILL STREAM	EXE CONFLUENCE (INFERRED STRETCH)			0.1	10.1	1B	1A	1A	1B	1B	1B	1B	1A
94	BROCKEY RIVER	BROCKSBRIDGE COTTAGES	R05E012	SS 9243 2450	7.6	7.6	1B	1A	1A	2	2	2	1B	1B
	BROCKEY RIVER	EXE CONFLUENCE (INFERRED STRETCH)			0.8	8.4	1B	1A	1A	2	2	2	1B	1B
95	BARLE	SIMONSBATH	R05H001	SS 7718 3910	8.4	8.4	1A	1A	1A	1A	1A	1A	1A	1A
96	BARLE	TARR STEPS	R05H002	SS 8675 3215	16.4	24.8	1A	1A	1A	1A	1A	1A	1A	1A
97	BARLE	PIXTON HILL	R05H003	SS 9248 2625	12.5	37.3	1A	1A	1A	1A	1B	1B	1A	1A
	BARLE	EXE CONFLUENCE (INFERRED STRETCH)			1.5	38.8	1A	1A	1A	1A	1B	1B	1A	1A

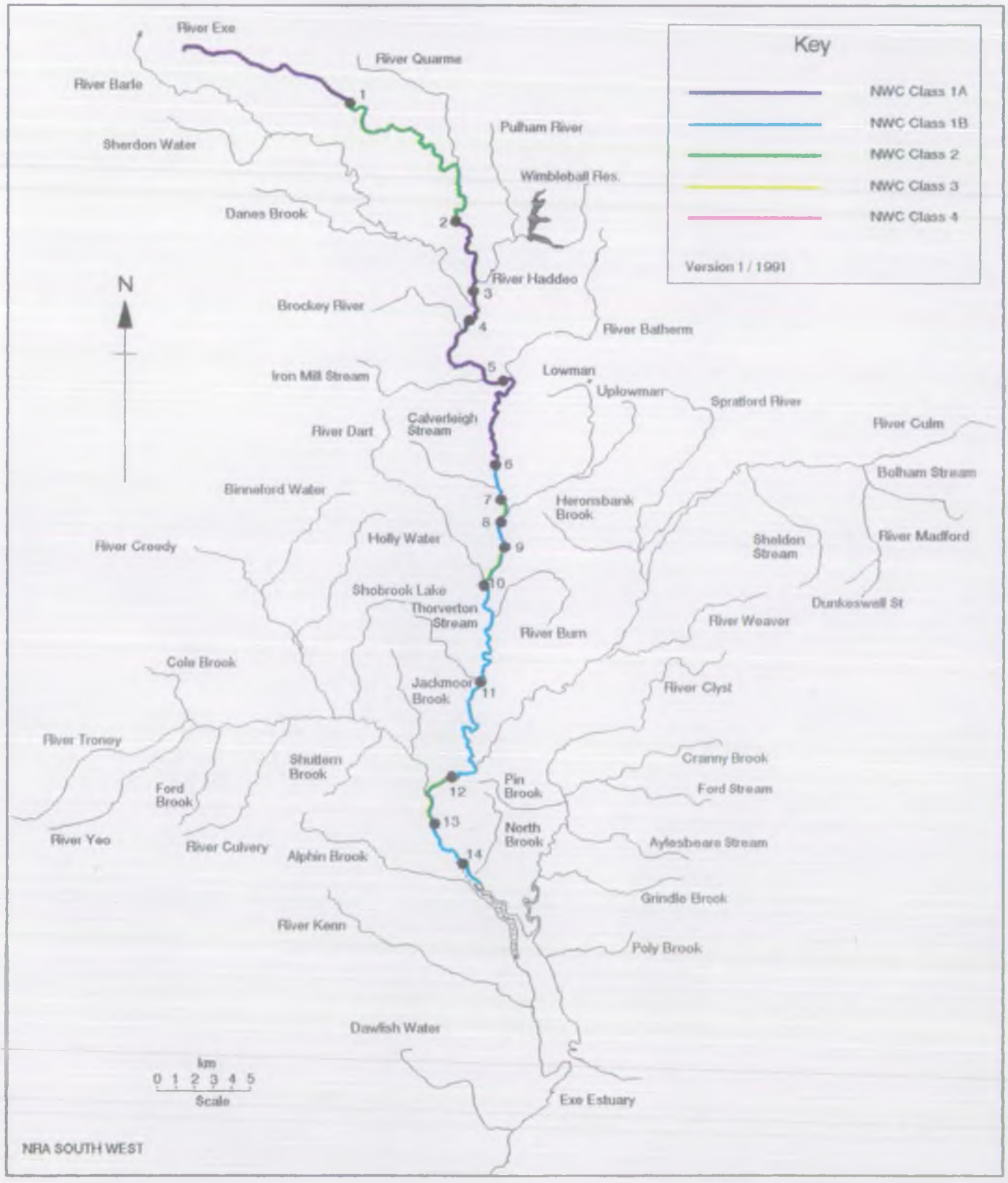
NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: EXE

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
98	DANE'S BROOK	CASTLE BRIDGE	R05H004	SS 8845 2930
99	SHERDON WATER	FERNY BALL	R05H005	SS 8025 3542
	SHERDON WATER	BARLE CONFLUENCE (INFERRED STRETCH)		
100	HADDEO	CUCKWOLDS COMBE	R05G004	ST 0014 3073
	HADDEO	INFLOW, WIMBLEBALL RES. (INF. STRETCH)		
101	HADDEO	WIMBLEBALL RESERVOIR	R05G010	SS 9700 3100
102	HADDEO	A396 BRIDGE PIXY COPSE	R05G005	SS 9376 2659
	HADDEO	EXE CONFLUENCE (INFERRED STRETCH)		
103	PULHAM	PRIOR TO RIVER HADDEO	R05G009	SS 9591 2948
	PULHAM	HADDEO CONFLUENCE (INFERRED STRETCH)		
104	QUARME	COPPLEHAM BRIDGE	R05G006	SS 9228 3425
	QUARME	EXE CONFLUENCE (INFERRED STRETCH)		
105	DAWLISH WATER	DAWLISH	R05A027	SX 9628 7667
	DAWLISH WATER	MEAN HIGH WATER (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
12.1	12.1	1A	1A	1A	1A		1A	1A	1A
8.5	8.5	1A	1B					1A	1A
0.9	9.4	1A	1B					1A	1A
2.3	2.3	1A	1A	1A	1A	1A	1A	1B	1B
2.9	5.2	1A	1A	1A	1A	1A	1A	1B	1B
2.4	7.6	1A	1A	1A	1A	1A	1A	1A	1B
6.0	13.6	1A	1A	1A	1A	1A	1A	1A	1A
0.2	13.8	1A	1A	1A	1A	1A	1A	1A	1A
8.9	8.9	1A	1B	1A	1A	1A	1A	1B	1A
0.1	9.0	1A	1B	1A	1A	1A	1A	1B	1A
12.1	12.1	1A	1A	1A	1A	1A	1B	1B	1B
0.2	12.3	1A	1A	1A	1A	1A	1B	1B	1B
9.6	9.6	1B						2	1B
0.1	9.7	1B						2	1B

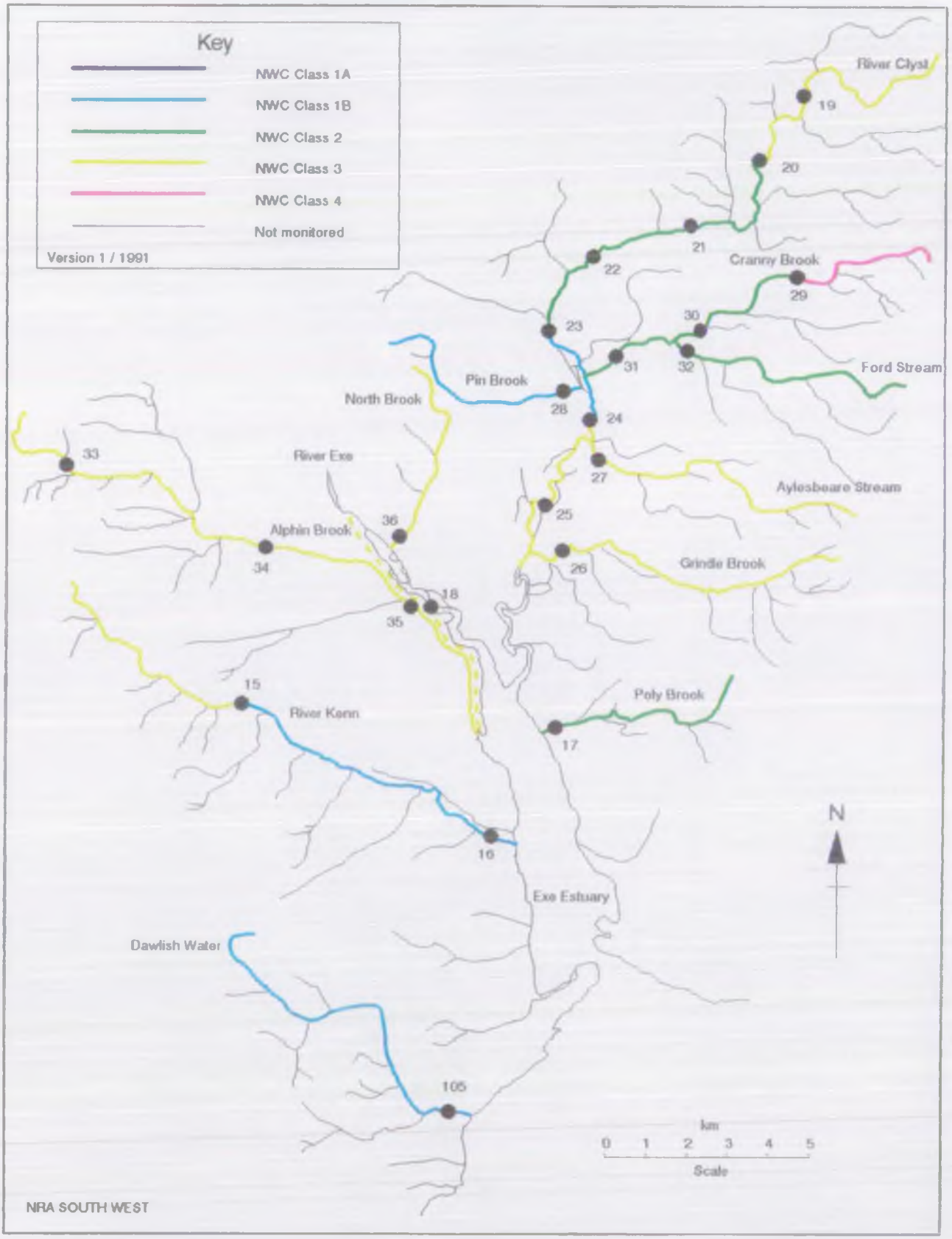
Appendix 8.5

River Exe
Water Quality - 1991

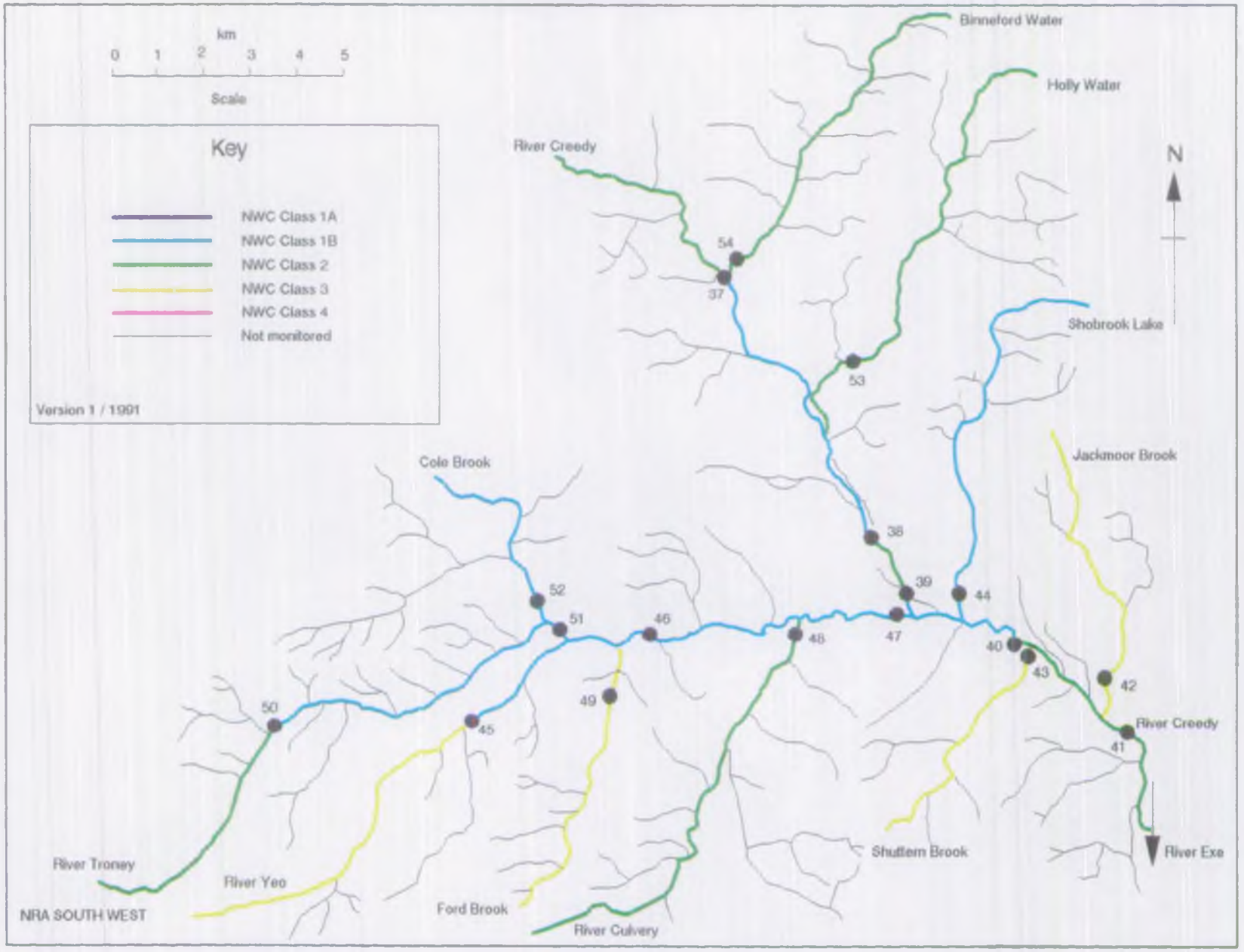


Exe Estuary and Clyst Catchments
Water Quality - 1991

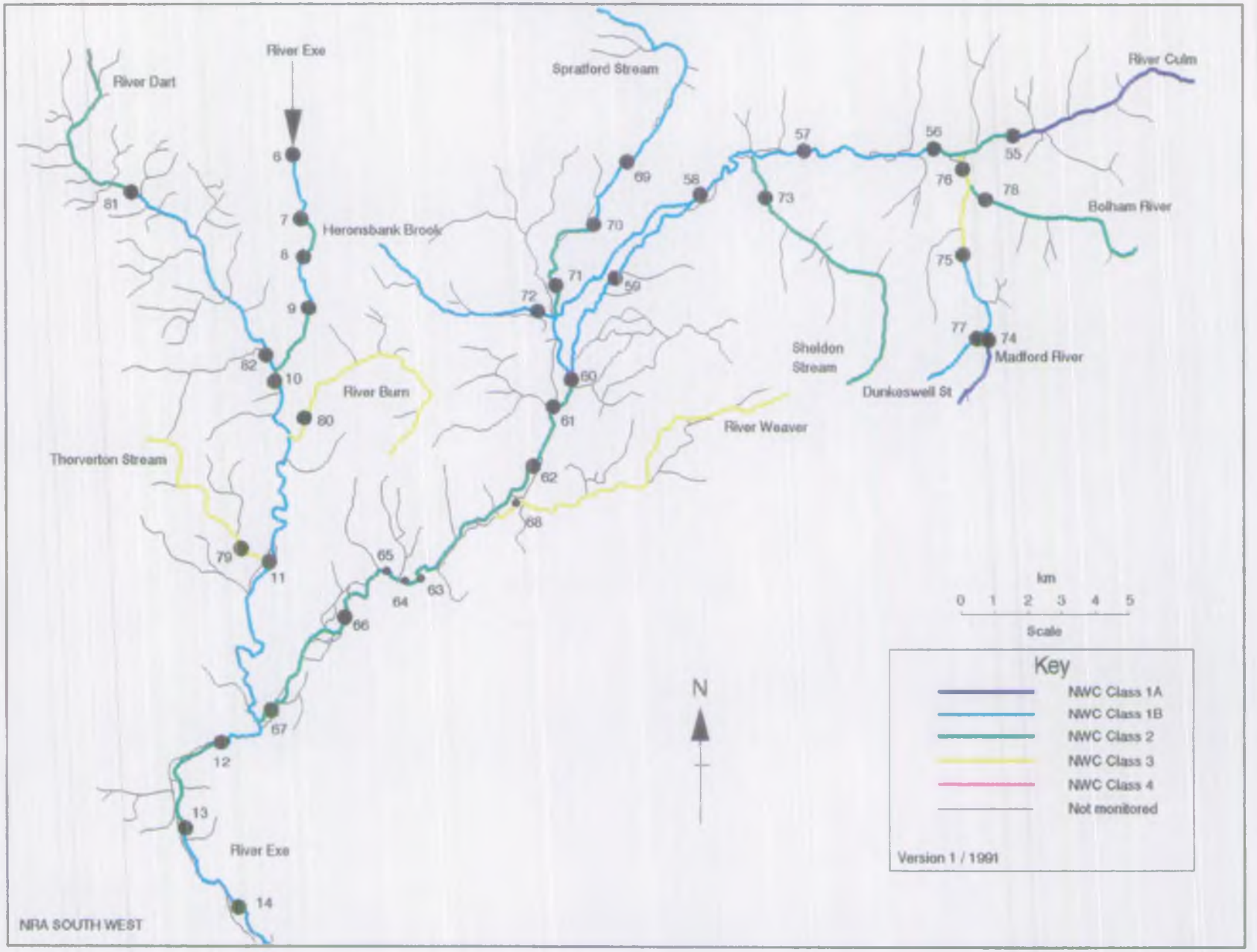
Appendix 8.6



Yeo & Creedy Catchments
Water Quality - 1991



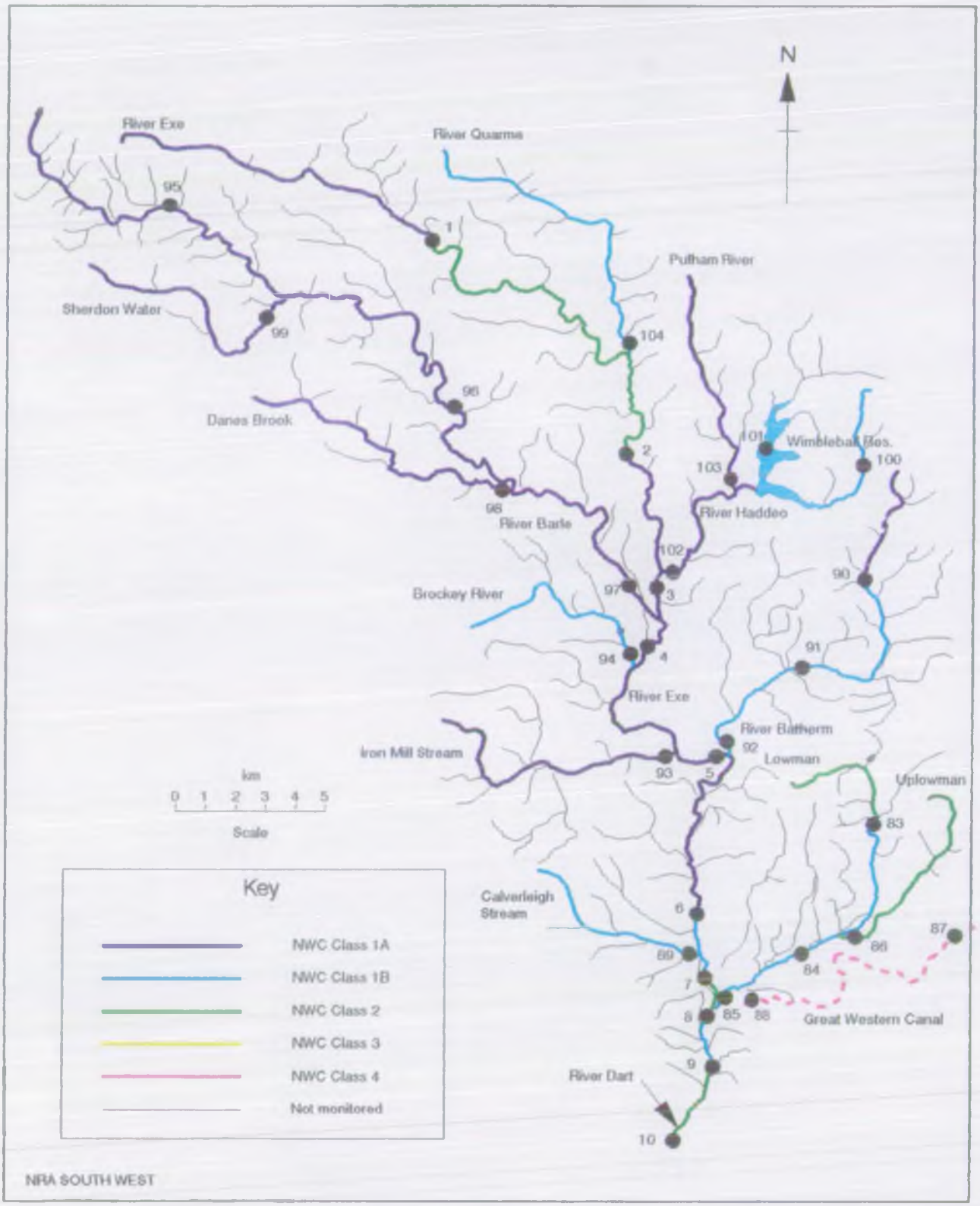
Culm and Little Dart Catchments
Water Quality - 1991



Appendix 8.6

Upper Exe 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: EXE

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
EXE	COURT FARM EXFORD	R05G001	1A	1A	6.9	1A	7.9	1A	16.1	1A	82.6	1A	2.3	1A	0.231	1A	0.010	1A	6.3	1A	8.3	1A	13.1
EXE	CHILLY BRIDGE	R05G002	1A	1A	7.1	1A	8.1	1A	18.4	1A	80.6	2	5.5	1A	0.136	1A	0.010	1A	7.5	–	–	–	–
EXE	NARMORE	R05G003	1A	1A	7.2	1A	7.8	1A	16.4	1A	90.6	1A	3.0	1A	0.044	1A	0.010	1A	7.3	1A	6.0	1A	9.9
EXE	EXEBRIDGE	R05E001	1A	1A	7.0	1A	7.7	1A	17.0	1A	90.0	1A	3.0	1A	0.080	1A	0.010	1A	5.9	1A	6.0	1A	11.0
EXE	HALFPENNY BRIDGE	R05E002	1A	1A	7.1	1A	7.7	1A	18.2	1A	80.3	1A	2.9	1A	0.180	1A	0.010	1A	4.9	–	–	–	–
EXE	LYTHECOURT	R05E003	1A	1A	7.1	1A	7.8	1A	18.0	1A	81.1	1A	2.2	1A	0.097	1A	0.010	1A	6.1	–	–	–	–
EXE	TIVERTON NEW BRIDGE	R05E004	1A	1A	7.1	1A	7.9	1A	18.9	1B	70.2	1B	3.2	1A	0.094	1A	0.010	1A	6.2	1A	5.0	1A	13.0
EXE	COLLIPRIEST TIVERTON	R05E005	1A	1A	7.1	1A	8.3	1A	18.0	1A	67.0	1B	3.1	1A	0.168	1A	0.010	1A	9.8	2	50.0	1A	50.0
EXE	ASHLEY	R05E006	1A	1A	7.0	1A	8.1	1A	19.0	1A	86.0	1B	4.0	1A	0.276	1A	0.010	1A	10.2	1A	39.3	1A	42.0
EXE	BICKLEIGH CASTLE	R05D015	1A	1A	7.1	1A	7.9	1A	18.4	1B	73.7	2	5.2	1A	0.139	1A	0.010	1A	17.5	1A	7.0	1A	31.0
EXE	THORVERTON GAUGING STATION	R05D001	1B	1A	7.1	1A	7.8	1A	18.4	1B	76.2	1B	3.5	1A	0.136	1A	0.010	1A	11.0	1A	7.7	1A	18.0
EXE	STAFFORD BRIDGE	R05D002	1B	1A	7.3	1A	8.2	1A	19.5	1B	64.5	1B	3.9	1A	0.161	1A	0.010	1A	6.8	–	–	–	–
EXE	EXWICK	R05D003	1A	1A	7.3	1A	8.7	1A	19.5	1B	71.5	2	6.5	1A	0.274	1A	0.018	1A	9.3	–	–	–	–
EXE	TRENG WEIR EXETER	R05D004	1A	1A	7.4	1A	8.1	1A	19.1	1A	81.6	1B	3.8	1A	0.202	1A	0.010	1A	13.0	1A	9.5	1A	26.5
KENN	A38 BRIDGE KENNFORD	R05A001	1B	1A	7.5	1A	8.2	1A	16.1	2	59.3	3	9.5	2	1.004	1A	0.014	1A	15.1	–	–	–	–
KENN	POWDERHAM CASTLE	R05A002	1A	1A	7.4	1A	7.8	1A	16.2	1B	71.0	1A	3.0	1A	0.125	1A	0.010	1A	10.7	1A	19.4	1A	30.5
POLLY BROOK	EXTON	R05A029	1B	1A	7.5	1A	8.4	1A	17.6	1B	70.0	1B	3.1	2	0.706	1A	0.020	1A	6.9	1A	50.0	1A	50.0
EXETER CANAL	A38 BRIDGE COUNTESS WEAR	R05A006	1B	1A	7.3	3	9.3	2	22.0	2	59.6	2	6.2	1A	0.185	1A	0.010	1A	6.0	1A	7.1	1A	12.1
CLYST	CLYST HYDON	R05B001	2	1A	7.4	1A	7.9	1A	17.0	3	19.9	3	13.4	3	3.900	3	0.040	1A	16.7	–	–	–	–
CLYST	CLYST ST LAWRENCE	R05B002	2	1A	7.5	1A	8.0	1A	16.0	3	34.0	2	6.0	3	2.100	1A	0.020	1A	10.7	–	–	–	–
CLYST	ASHCLYST FARM	R05B003	2	1A	7.5	1A	8.2	1A	17.0	2	52.5	1B	4.9	1B	0.480	1A	0.010	1A	9.8	–	–	–	–
CLYST	A38 BRIDGE BROADCLYST	R05B004	1B	1A	7.6	1A	8.0	1A	17.0	2	40.9	1B	4.9	1B	0.651	1A	0.010	1A	10.7	–	–	–	–
CLYST	WITHY BRIDGE	R05B005	1B	1A	7.5	1A	8.1	1A	17.0	2	41.8	1B	4.4	1B	0.573	1A	0.010	1A	11.1	–	–	–	–
CLYST	A30 BRIDGE CLYST HONITON	R05B006	1B	1A	7.4	1A	8.1	1A	16.4	1B	62.0	1B	4.1	1B	0.358	1A	0.010	1A	7.9	1A	7.0	1A	16.0
CLYST	CLYST ST MARY	R05B007	1B	1A	7.5	1A	8.1	1A	18.1	3	38.7	1B	3.6	1B	0.324	1A	0.010	1A	8.6	1A	40.3	1A	44.0
GRINDLE BROOK	WINSLADE PARK	R05A028	1B	1A	7.6	1A	8.2	1A	18.4	2	48.6	3	10.4	1A	0.291	1A	0.010	3	26.3	1A	50.0	1A	50.0
AYLESBEARE STREAM	DIMONDS FARM	R05B013	1B	1A	7.7	1A	8.1	1A	15.4	3	39.6	2	5.3	1B	0.447	1A	0.010	1A	9.8	–	–	–	–
FIN BROOK	MOSSHAYNE	R05B012	1B	1A	7.5	1A	8.2	1A	15.7	1B	62.2	1B	4.8	1A	0.273	1A	0.010	1A	15.6	1A	50.0	1A	83.6
CRANNY BROOK	BARNSHAVES	R05B009	2	1A	7.6	1A	8.3	1A	15.1	3	39.6	4	46.1	3	8.583	3	0.076	1A	14.6	–	–	–	–
CRANNY BROOK	CRANNAFORD CROSSING	R05B010	2	1A	7.6	1A	8.2	1A	17.0	2	56.0	1B	4.1	2	0.866	1A	0.010	1A	8.6	–	–	–	–
CRANNY BROOK	MISHFORD FARM	R05B011	2	1A	7.5	1A	8.1	1A	16.0	2	55.8	1B	4.0	1B	0.470	1A	0.010	1A	7.9	1A	23.8	1A	35.0
POND STREAM	A30 BRIDGE, NEAR ROCKBEARE	R05B014	1B	1A	7.6	1A	8.7	1A	16.4	2	53.4	1B	4.7	1B	0.400	1A	0.010	1A	10.3	–	–	–	–
ALPHIN BROOK	DIMONDS BRIDGE	R05A003	1B	1A	7.4	1A	8.3	1A	16.4	1B	60.6	3	9.6	2	0.915	1A	0.010	3	44.1	–	–	–	–
ALPHIN BROOK	FOOTBRIDGE ALPHINGTON	R05A004	1B	1A	7.4	1A	8.8	1A	17.7	1B	74.5	3	10.7	1B	0.447	1A	0.010	1A	13.9	–	–	–	–
ALPHIN BROOK	COUNTESS WEAR BRIDGE	R05A005	1B	1A	7.4	1A	8.9	1A	19.6	1B	60.8	2	6.3	1B	0.424	1A	0.010	3	25.3	1A	15.8	1A	53.4

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

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
NORTH BROOK	NORTHBROOK PARK	R05A026	1B	1A	7.6	1A	8.2	1A	17.8	1B	66.8	1B	4.0	3	1.915	1A	0.020	1A	17.2	1A	11.6	1A	36.0
CREEDY	ASHRIDGE BRIDGE	R05J001	1B	1A	7.0	1A	8.0	1A	17.5	2	57.7	2	6.5	1A	0.118	1A	0.010	1A	18.3	–	–	–	–
CREEDY	CREEDY BRIDGE	R05J002	1B	1A	7.2	1A	8.1	1A	19.5	1B	65.8	1A	2.7	1A	0.190	1A	0.010	1A	12.1	1A	8.2	1A	19.8
CREEDY	WESTACOTT COTTAGES	R05J003	1B	1A	7.2	1A	8.0	1A	18.9	2	49.8	1B	3.9	1B	0.423	1A	0.010	1A	11.4	1A	27.8	1A	29.0
CREEDY	NEWTON ST CYRES	R05J013	1B	1A	7.0	1A	8.0	1A	19.1	1B	70.7	1B	4.0	1A	0.260	1A	0.010	1A	14.9	1A	18.6	1A	32.8
CREEDY	CANFORD FARM	R05J004	1B	1A	7.3	1A	8.1	1A	20.1	1B	76.5	2	6.4	1A	0.275	1A	0.010	1A	12.6	1A	16.8	1A	26.3
JACKDOR BROOK	LANGFORD	R05J018	1B	1A	7.5	1A	8.1	1A	17.4	1B	67.0	1B	3.3	1A	0.262	1A	0.010	3	26.7	–	–	–	–
SHUTTERN BROOK	PRIOR TO RIVER CREEDY	R05J021	1B	1A	7.1	1A	8.0	1A	15.5	1B	74.2	1A	3.0	1A	0.137	1A	0.010	3	45.6	1A	5.0	1A	7.0
SHOBROOK LANE	CREEDY PARTON	R05J017	1B	1A	7.2	1A	8.2	1A	17.0	1B	71.1	1B	3.8	1A	0.216	1A	0.010	1A	19.0	–	–	–	–
YEO (CREEDY)	BONNEFORD	R05K003	1B	1A	6.9	1A	7.8	1A	16.0	3	24.8	1B	3.4	1A	0.202	1A	0.010	1A	6.2	–	–	–	–
YEO (CREEDY)	GUNSTONE MILLS	R05K004	1B	1A	7.2	1A	8.3	1A	19.4	1B	70.6	1B	3.2	1A	0.265	1A	0.010	1A	9.9	–	–	–	–
YEO (CREEDY)	DOWNES MILLS PRIOR TO RIVER CREEDY	R05K005	1B	1A	7.3	1A	8.1	1A	19.7	1B	70.7	1B	3.7	1A	0.196	1A	0.010	1A	12.9	1A	12.9	1A	40.2
CLERY RIVER	UTON	R05K011	1B	1A	7.2	1A	7.9	1A	17.4	2	53.2	1A	3.0	1B	0.438	1A	0.010	1A	8.6	1A	6.9	1A	10.0
FORD BROOK	FORD FARM	R05K010	1B	1A	7.1	1A	7.8	1A	16.4	3	19.7	1B	4.1	1B	0.476	1A	0.010	1A	6.5	1A	7.0	1A	12.0
TRONEY	EASTERBROOK	R05K008	1B	1A	7.0	1A	7.7	1A	16.0	2	46.0	1A	2.8	1A	0.135	1A	0.010	1A	6.2	–	–	–	–
TRONEY	YEOFORD	R05K002	1B	1A	7.1	1A	8.2	1A	19.0	1B	67.8	1A	2.9	1A	0.254	1A	0.010	1A	10.8	1A	7.1	1A	64.0
COLE BROOK	COLEBROOKE	R05K009	1B	1A	7.2	1A	8.1	1A	16.4	1B	73.0	1A	2.8	1A	0.258	1A	0.010	1A	10.9	–	–	–	–
HOLLY WATER	HEATH BRIDGE	R05J015	1B	1A	7.2	1A	8.1	1A	17.0	1B	66.0	2	5.4	1B	0.318	1A	0.010	1A	17.1	–	–	–	–
BONNEFORD WATER	NEAR ASHRIDGE FARM	R05J016	1B	1A	7.2	1A	7.9	1A	17.0	1B	70.6	2	5.7	1B	0.401	1A	0.010	1A	14.3	–	–	–	–
CULM	ROSEMARY LANE CLAYHIDON	R05C002	1B	1A	7.2	1A	8.1	1A	19.0	1A	82.7	1A	3.0	1A	0.240	1A	0.010	1A	11.0	–	–	–	–
CULM	HEMYOCK	R05C003	1B	1A	7.2	1A	7.9	1A	18.1	1B	77.5	2	6.0	1A	0.228	1A	0.010	1A	16.1	–	–	–	–
CULM	CULMSTOCK	R05C004	1B	1A	7.2	1A	8.4	1A	18.2	1A	80.1	1B	4.0	1B	0.351	1A	0.010	1A	13.1	–	–	–	–
CULM	UFFCULME	R05C005	1B	1A	7.3	1A	8.0	1A	18.0	1B	79.5	1B	4.6	1A	0.240	1A	0.010	1A	9.1	1A	7.0	1A	14.6
CULM	SKINNER'S FARM WILLAND	R05C006	1B	1A	7.3	1A	8.2	1A	20.0	1A	83.5	1B	4.4	1A	0.252	1A	0.010	1A	9.1	1A	27.2	1A	33.8
CULM	HIGHER UPTON FARM	R05C007	1B	1A	7.5	1A	8.3	1A	19.9	1B	68.2	1B	5.0	1B	0.496	1A	0.010	1A	13.9	–	–	–	–
CULM	BELOW CULLOMPTON STW	R05C043	2	1A	7.2	1A	8.3	1A	18.0	1B	63.0	2	7.0	1B	0.590	1A	0.010	1A	14.3	–	–	–	–
CULM	MERRY HARRIERS INN WESTCOTT	R05C008	2	1A	7.5	1A	8.3	1A	19.0	1B	67.3	2	6.9	1B	0.379	1A	0.010	1A	15.0	1A	32.0	1A	46.0
CULM	50M BELOW WEIR, ABOVE SILVERTON MILL	R05C009	2	1A	7.5	1A	8.0	1A	19.0	2	56.4	2	6.9	1B	0.460	1A	0.010	1A	11.5	–	–	–	–
CULM	FOOTBRIDGE ABOVE SILVERTON MILL	R05C010	2	1A	7.5	1A	8.0	1A	19.0	1B	70.0	2	6.9	1B	0.460	1A	0.010	1A	13.5	–	–	–	–
CULM	POINT 200M BELOW SILVERTON MILL	R05C011	2	1A	7.4	1A	7.9	1A	20.0	2	43.0	2	8.0	1B	0.560	1A	0.012	1A	14.4	–	–	–	–
CULM	CULLOMPTON	R05C012	2	1A	7.5	1A	8.1	1A	20.0	2	52.6	2	5.6	1B	0.523	1A	0.010	1A	12.1	–	–	–	–
CULM	A.396 BRIDGE STOKE CANON	R05C013	2	1A	7.6	1A	8.2	1A	20.1	2	50.9	2	6.0	1B	0.428	1A	0.010	1A	10.4	1A	47.9	1A	48.3

Appendix 8.7

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

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
WEAVER	WEAVER BRIDGE ON B3181	R05C026	1B	1A	7.4	1A	8.2	1A	18.7	3	38.6	2	6.9	2	1.514	1A	0.015	1A	11.0	-	-	-	-
SPRATFORD STREAM	LEONARD MOOR BRIDGE	R05C015	1B	1A	7.7	1A	8.4	1A	17.0	1B	61.2	1B	4.0	1B	0.483	1A	0.011	1A	20.6	-	-	-	-
SPRATFORD STREAM	B3391 BRIDGE TIVERTON JUNCTION	R05C016	1B	1A	7.7	1A	8.4	1A	17.2	1B	70.1	1B	4.0	1A	0.246	1A	0.010	1A	10.7	1A	50.0	1A	99.0
SPRATFORD STREAM	FIVE BRIDGES	R05C017	2	1A	7.6	1A	8.3	1A	18.0	2	44.2	2	7.9	2	0.768	1A	0.020	1A	14.4	1A	41.2	1A	43.6
HERONSBANK BROOK	HERONS BANK	R05C027	1B	1A	7.5	1A	8.2	1A	17.4	1A	84.0	1B	4.6	1A	0.144	1A	0.010	1A	8.5	-	-	-	-
SHELDON STREAM	CRADDOCK BRIDGE	R05C014	1B	1A	7.4	1A	7.9	1A	17.0	1B	63.4	2	5.5	2	0.900	1A	0.010	1A	18.3	1A	7.9	1A	47.3
MADFORD RIVER	PRIOR TO DUNKESWELL STREAM	R05C041	1A	1A	6.8	1A	7.5	1A	17.0	1A	81.0	1A	2.3	1A	0.110	1A	0.010	1A	8.6	-	-	-	-
MADFORD RIVER	DUNKESWELL ABBEY	R05C028	1A	1A	7.1	1A	7.7	1A	16.2	1B	79.2	1A	2.5	1A	0.149	1A	0.010	1A	11.6	1A	18.5	1A	122.0
MADFORD RIVER	CULM BRIDGE HEMYOCK	R05C019	1A	1A	7.2	1A	8.1	1A	17.1	2	57.7	2	8.3	1B	0.418	1A	0.010	3	25.1	1A	33.6	1A	66.6
DUNKESWELL STREAM	PRIOR TO MADFORD RIVER	R05C042	1A	1A	6.8	1A	7.4	1A	17.0	1A	85.0	1B	3.8	1B	0.410	1A	0.010	1A	13.3	-	-	-	-
CULLM RIVER	FIVE BRIDGES	R05C018	1A	1A	7.2	1A	8.0	1A	17.8	1B	62.5	2	6.8	1B	0.438	1A	0.010	1A	18.5	1A	34.3	1A	45.5
THORVERTON STREAM	THORVERTON BRIDGE	R05D009	1B	1A	7.3	1A	8.3	1A	18.4	1B	79.5	2	7.2	2	1.055	1A	0.012	3	29.6	-	-	-	-
BURN	BURN MILL FARM	R05D008	1B	1A	7.3	1A	8.2	1A	17.9	1B	66.3	2	6.7	2	0.776	1A	0.010	3	38.4	1A	5.7	1A	18.5
DART (EXE)	A373 BRIDGE BRADLEY	R05D006	1B	1A	7.1	1A	7.8	1A	17.0	2	55.2	1B	3.4	1A	0.288	1A	0.010	1A	11.8	-	-	-	-
DART (EXE)	DART BRIDGE BICKLEIGH	R05D007	1B	1A	7.2	1A	8.2	1A	17.0	1A	81.0	1B	4.6	1B	0.330	1A	0.010	1A	19.9	1A	9.0	1A	36.0
LOWMAN	HUNTSHAM WOOD	R05E009	1B	1A	7.3	1A	8.5	1A	18.5	2	52.0	1B	3.2	1A	0.276	1A	0.010	1A	10.0	-	-	-	-
LOWMAN	CRAZE LOWMAN	R05E010	1B	1A	7.5	1A	8.2	1A	18.0	1B	66.5	1B	3.4	1A	0.274	1A	0.010	1A	9.8	-	-	-	-
LOWMAN	A373 BRIDGE TIVERTON	R05E011	1B	1A	7.5	1A	8.5	1A	19.2	1B	74.9	1B	3.2	1A	0.202	1A	0.010	1A	13.2	1A	6.1	1A	14.0
UPLOWMAN STREAM	WILHAYES	R05E021	1B	1A	7.5	1A	8.0	1A	17.7	2	54.7	1B	3.1	1A	0.167	1A	0.010	1A	13.7	-	-	-	-
GRAND WESTERN CANAL	FENACRE BRIDGE	R05C021	2	1A	7.5	1A	8.1	1A	16.5	2	41.1	4	20.4	3	1.626	1A	0.019	1A	21.9	1A	15.1	1A	18.3
GRAND WESTERN CANAL	THE BASIN TIVERTON	R05E013	2	1A	7.5	1A	8.8	2	22.1	2	48.8	4	25.2	2	0.715	1A	0.015	3	47.0	1A	50.5	1A	69.2
CALVERLEIGH STREAM	SWINESBRIDGE	R05E020	1B	1A	7.5	1A	8.2	1A	19.7	1A	85.3	1B	3.3	1B	0.437	1A	0.010	1A	17.4	1A	35.0	1A	40.3
BRIDHAM	RANSCOMBE	R05F001	1B	1A	7.0	1A	7.9	1A	16.5	1A	86.2	1A	2.7	1A	0.187	1A	0.010	1A	6.4	1A	7.0	1A	8.0
BRIDHAM	A361 BRIDGE SHILLINGFORD	R05F002	1B	1A	7.5	1A	8.1	1A	17.4	1A	86.6	1B	3.5	1A	0.248	1A	0.010	1A	13.9	-	-	-	-
BRIDHAM	BOARDERHILL WOOD	R05F003	1B	1A	7.3	1A	8.3	1A	16.4	1B	74.6	1A	2.8	1A	0.093	1A	0.010	1A	14.0	1A	6.5	1A	11.2
IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	1B	1A	7.0	1A	7.9	1A	16.1	1A	81.9	1A	2.7	1A	0.108	1A	0.010	1A	8.1	1A	6.1	1A	19.6
BROOKY RIVER	BROOKSBRIDGE COTTAGES	R05E012	1B	1A	7.3	1A	8.0	1A	16.2	1A	81.0	1B	3.6	1A	0.085	1A	0.010	1A	9.2	1A	8.0	1A	23.0

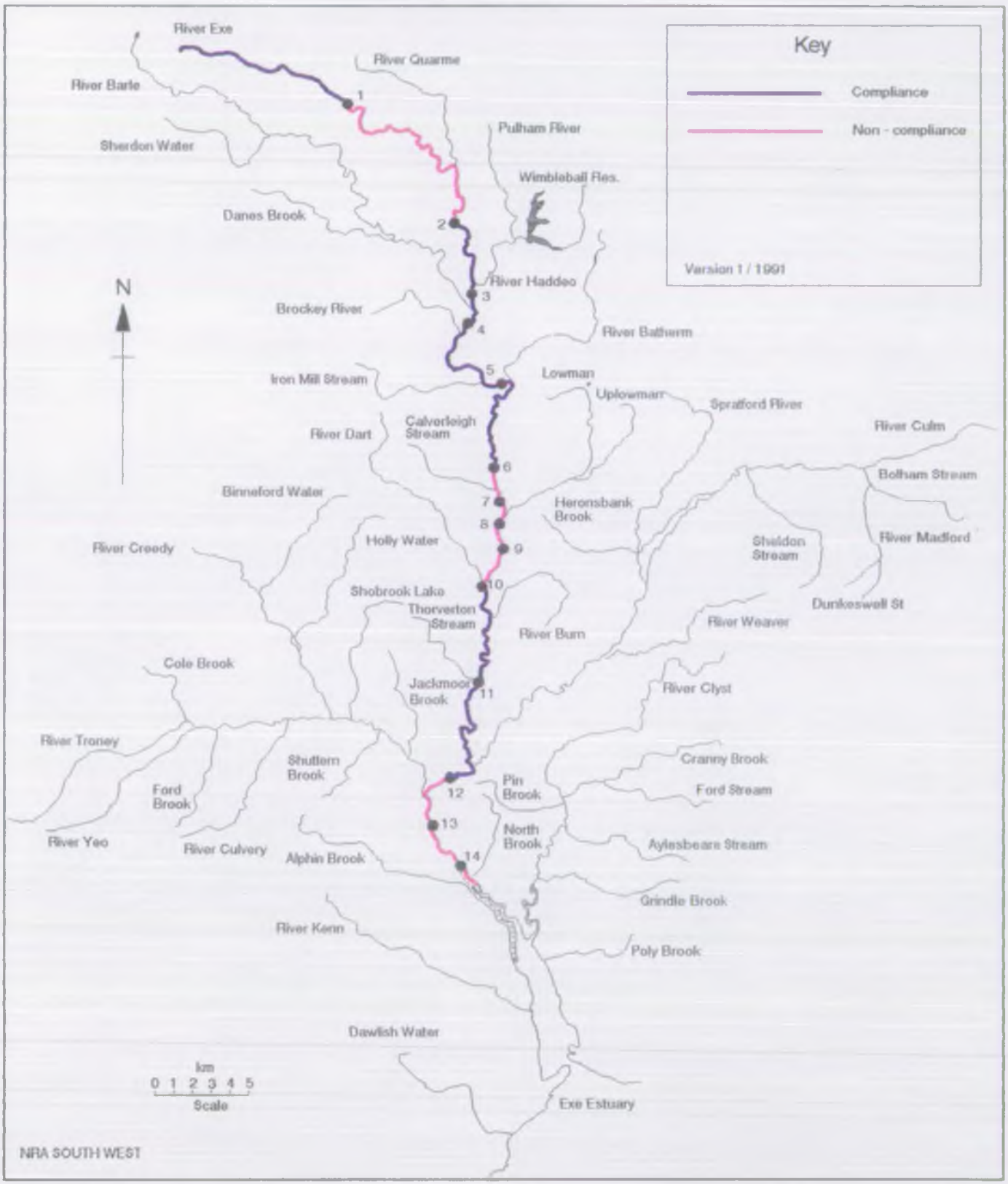
Appendix 8.7

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

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
BARLE	SIMONSBATH	R05H001	1A	1A	6.7	1A	7.8	1A	16.3	1A	83.6	1A	1.6	1A	0.180	1A	0.010	1A	4.3	1A	6.0	1A	7.9
BARLE	DANE STEPS	R05H002	1A	1A	6.7	1A	7.7	1A	15.3	1A	87.0	1A	2.0	1A	0.061	1A	0.010	1A	4.9	1A	5.0	1A	11.4
BARLE	PIXTON HILL	R05H003	1A	1A	6.8	1A	7.8	1A	18.1	1A	90.8	1A	2.4	1A	0.073	1A	0.010	1A	4.9	1A	10.2	1A	15.3
DANE'S BROOK	CASTLE BRIDGE	R05H004	1A	1A	6.3	1A	7.3	1A	16.0	1A	86.4	1A	2.1	1A	0.061	1A	0.010	1A	3.6	1A	15.2	1A	14.1
SHERDON WATER	PENNY BALL	R05H005	1A	1A	6.4	1A	7.6	1A	17.1	1A	85.7	1A	1.6	1A	0.100	1A	0.010	1A	3.4	1A	5.0	1A	15.5
HADDEO	CUCKOLDS COMBE	R05G004	1A	1A	6.7	1A	7.7	1A	16.8	1B	78.8	1A	2.5	1A	0.050	1A	0.010	1A	5.7	1A	7.7	1A	18.8
HADDEO	NIMHEADALL RESERVOIR	R05G010	1A	1A	7.0	1A	7.9	1A	18.7	1B	75.3	1A	2.0	1A	0.050	1A	0.010	1A	3.4	1A	7.4	1A	9.2
HADDEO	A396 BRIDGE PIXY COMBE	R05G005	1A	1A	7.1	1A	7.8	1A	16.2	1A	89.4	1A	2.8	1A	0.091	1A	0.010	1A	9.4	1A	10.0	1A	26.4
PULHAM	PRIOR TO RIVER HADDEO	R05G009	1A	1A	6.9	1A	7.8	1A	16.5	1A	86.8	1A	2.9	1A	0.063	1A	0.010	1A	6.6	1A	6.6	1A	9.3
QUANTE	COPPLEHAM BRIDGE	R05G006	1A	1A	7.1	1A	8.0	1A	15.1	1B	78.8	1B	3.1	1A	0.076	1A	0.014	1A	9.0	1A	6.7	1A	34.8
DANISH WATER	DANISH	R05A027	1B	1A	7.3	1A	8.4	1A	20.1	1B	76.8	1B	3.3	1A	0.174	1A	0.010	1A	7.8	-	-	-	-

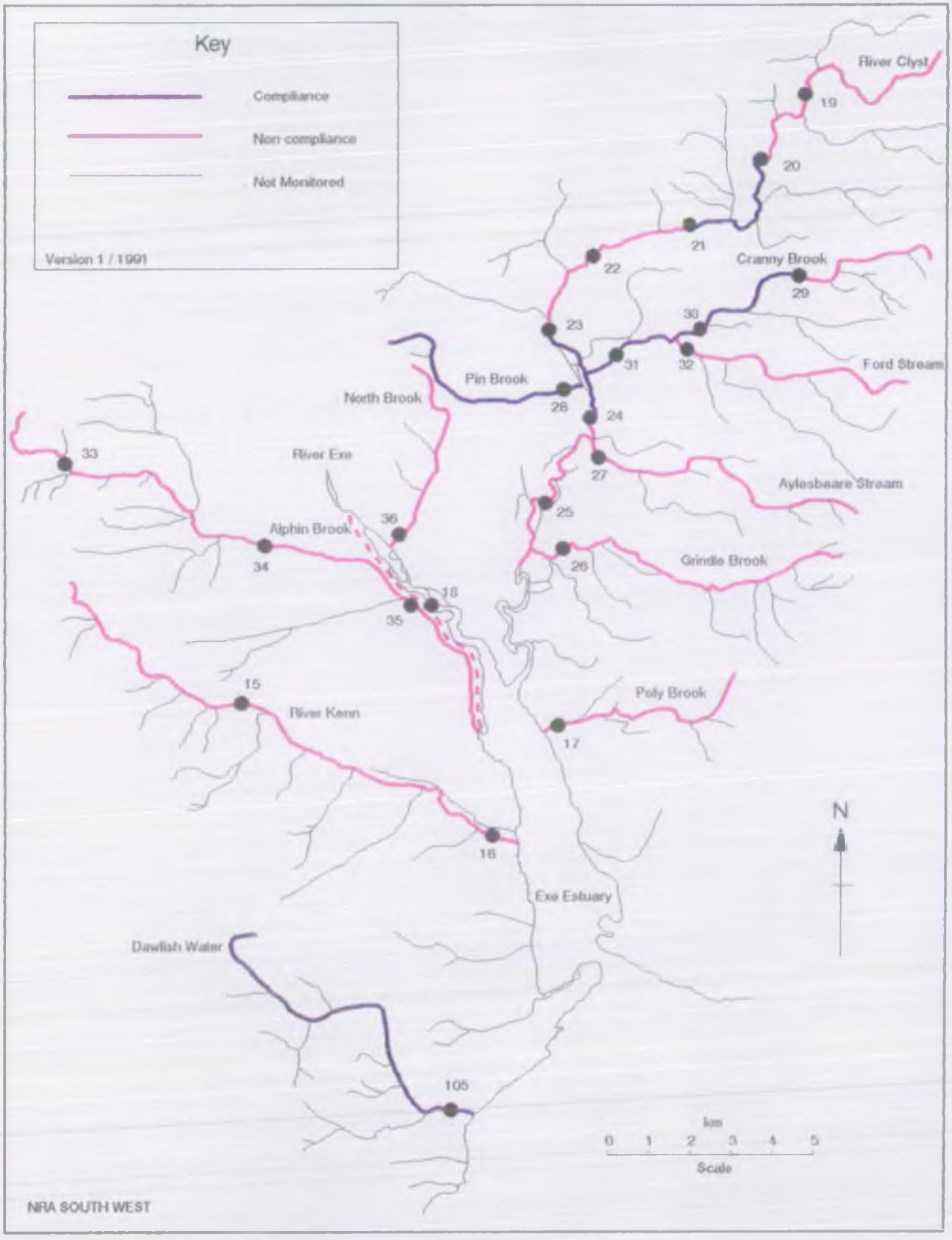
Appendix 8.7

River Exe
Compliance - 1991

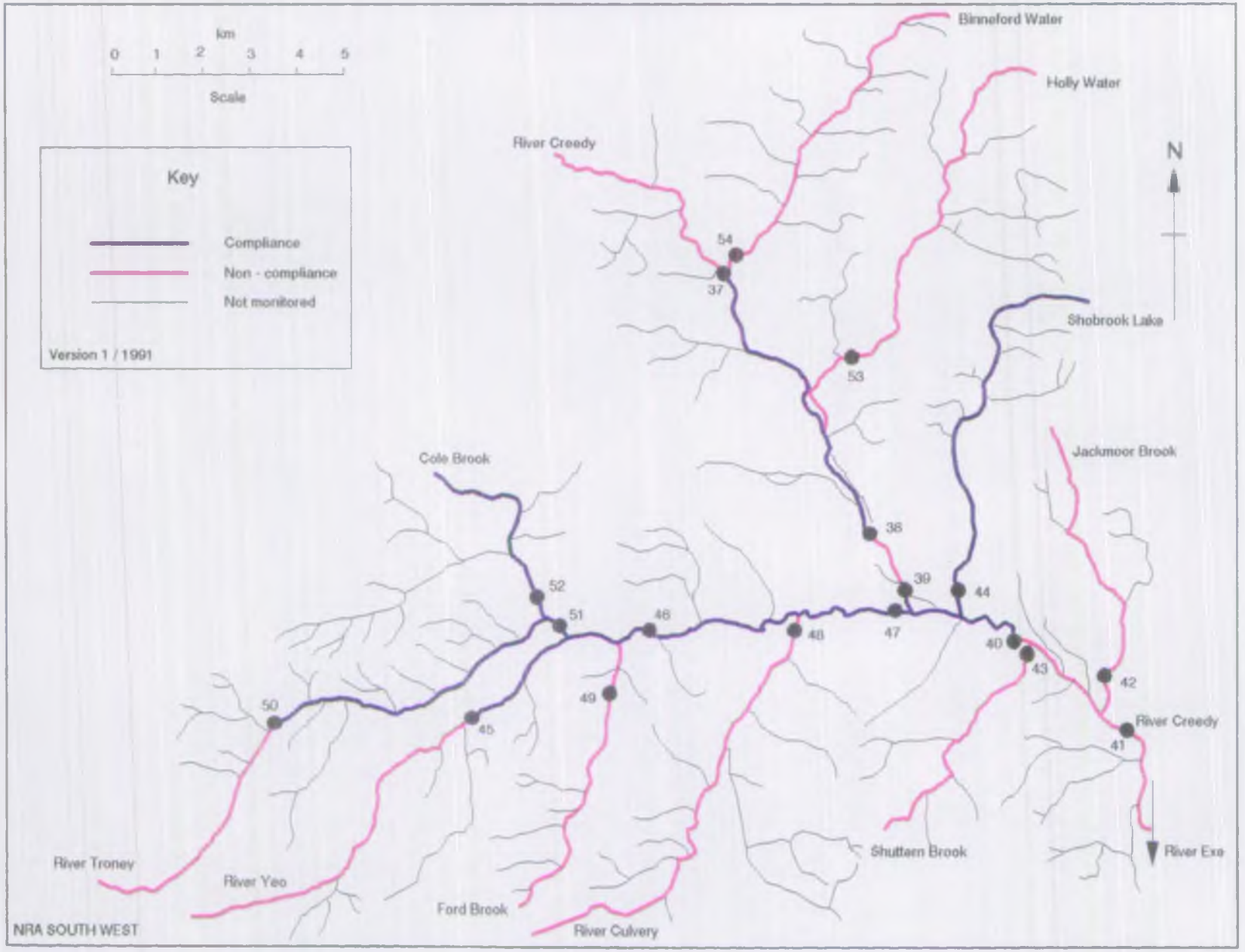


Exe Estuary and Clyst Catchments
Compliance - 1991

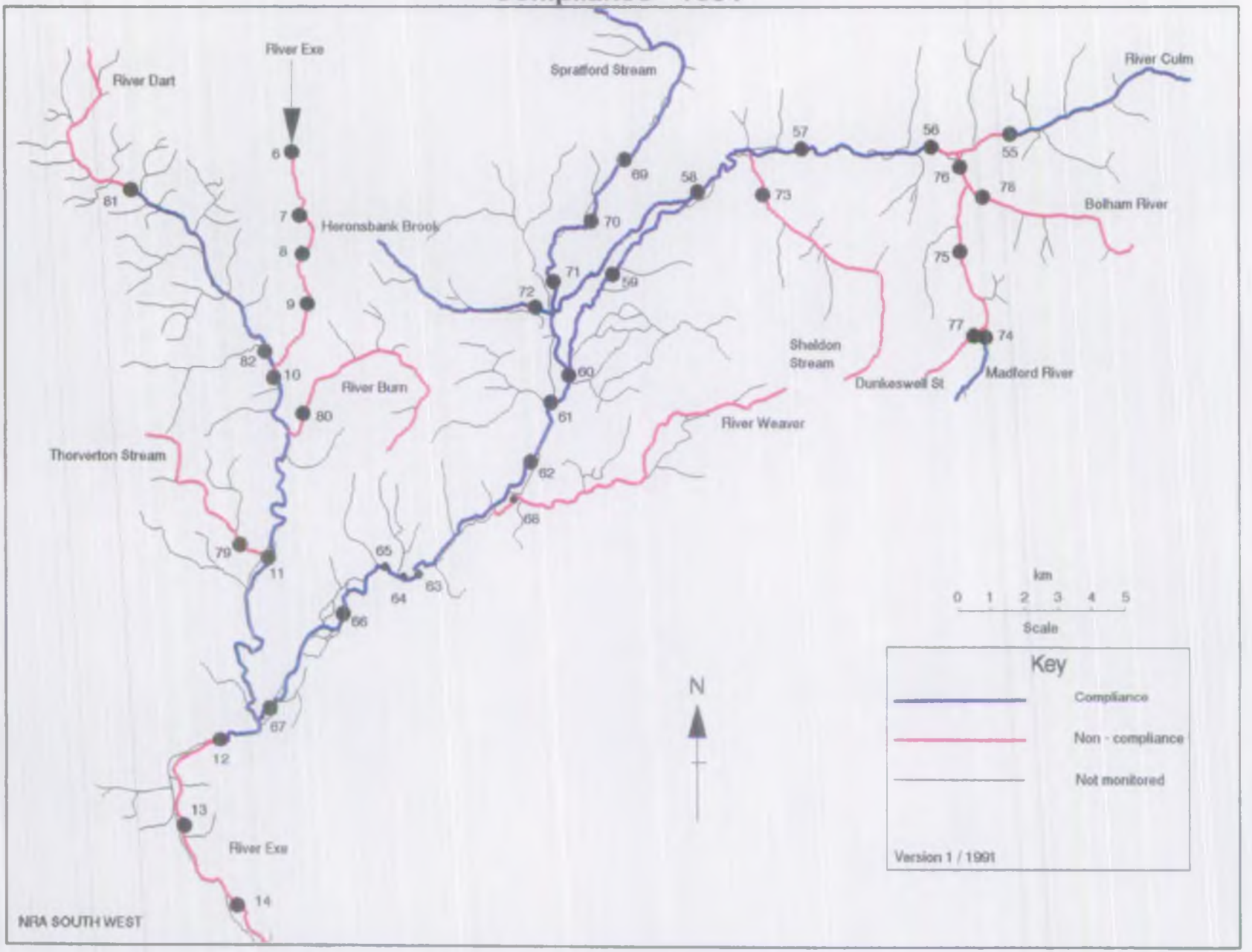
Appendix 8.8



Yeo & Creedy Catchments
Compliance - 1991



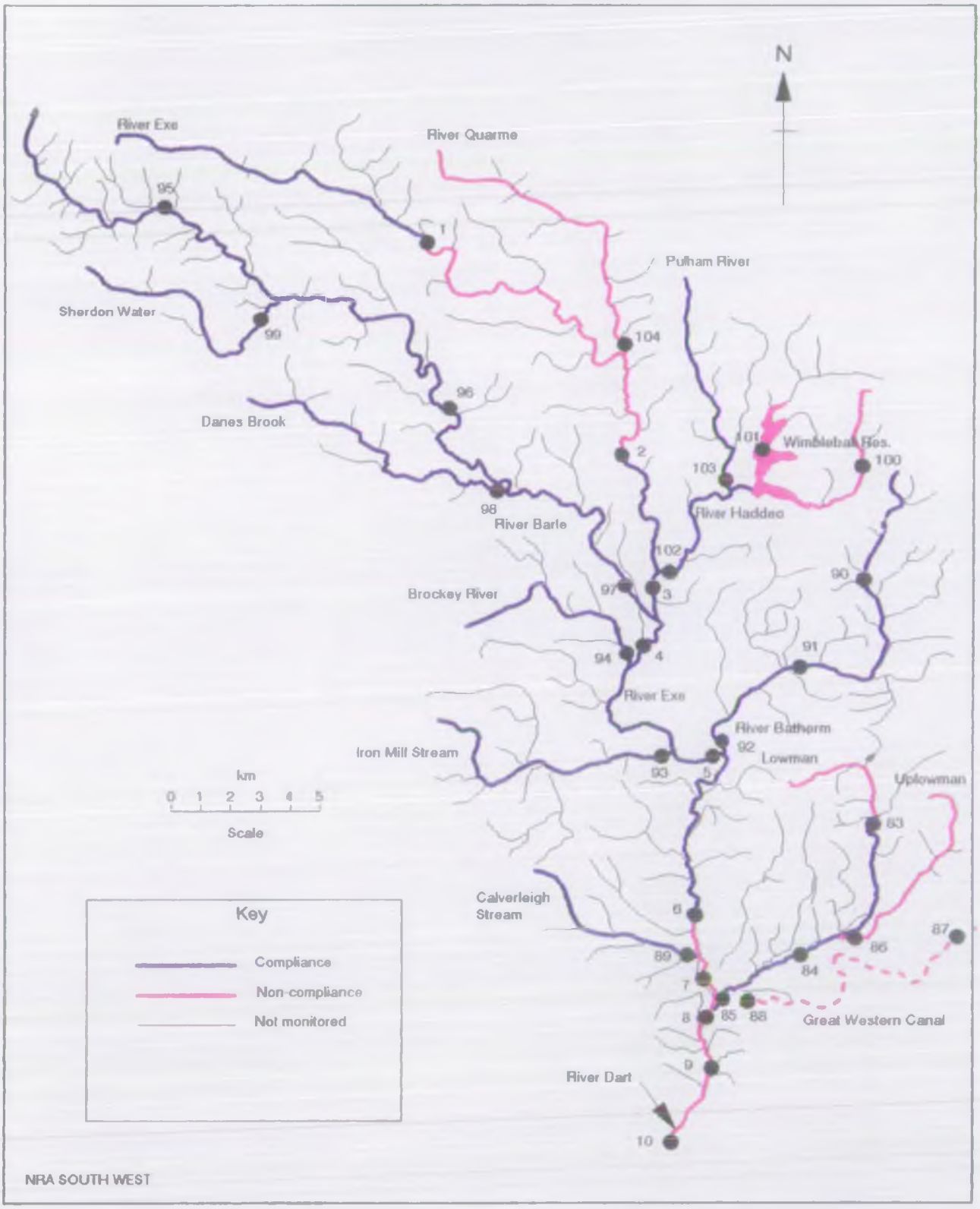
Culm and Little Dart Catchments
Compliance - 1991



Appendix 8.8

Upper Exe Catchment Compliance - 1991

Appendix 8.8



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

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
EXE	COURT FARM EXFORD	R05G001	38	–	38	–	38	–	38	1	38	1	38	–	35	–	38	1	38	–	38	–
EXE	CHILLY BRIDGE	R05G002	32	–	32	–	32	–	32	1	32	1	32	–	31	–	32	2	0	–	0	–
EXE	WARMORE	R05G003	32	–	32	–	32	–	31	–	32	1	32	–	30	–	32	1	20	–	20	–
EXE	EXEBRIDGE	R05E001	39	–	39	–	39	–	39	–	39	–	39	–	36	–	39	2	39	–	39	–
EXE	HALFPENNY BRIDGE	R05E002	32	–	32	–	32	–	32	1	32	–	32	–	31	–	32	1	0	–	0	–
EXE	LYTHECOURT	R05E003	32	–	32	–	32	–	32	1	32	–	32	–	31	–	32	1	1	–	1	–
EXE	TIVERTON NEW BRIDGE	R05E004	30	–	30	–	31	–	31	1	31	1	31	–	30	–	31	1	19	–	19	–
EXE	COLLIPRIEST TIVERTON	R05E005	31	–	31	–	31	–	31	–	31	1	31	–	30	–	31	3	19	1	19	–
EXE	ASHLEY	R05E006	36	–	36	–	36	1	36	–	36	2	36	1	36	–	36	3	24	1	24	–
EXE	BICKLEIGH CASTLE	R05C015	40	–	40	–	40	–	40	2	40	6	40	–	40	–	40	6	19	–	19	–
EXE	THORVERTON GAUGING STATION	R05C001	87	–	87	–	85	–	85	1	87	1	87	–	82	–	87	7	86	–	86	–
EXE	STAFFORD BRIDGE	R05C002	32	–	32	–	30	–	29	–	32	–	32	–	30	–	32	1	0	–	0	–
EXE	EXWICK	R05C003	32	–	32	1	32	–	29	3	32	6	32	1	31	1	32	3	0	–	0	–
EXE	TRENG WEIR EXETER	R05C004	90	–	90	–	88	–	85	1	90	10	90	1	86	–	90	10	90	–	90	–
KENN	A38 BRIDGE KENNFORD	R05A001	32	–	32	–	32	–	32	1	32	2	32	2	32	–	32	4	1	–	1	–
KENN	FOWDENHAM CASTLE	R05A002	36	–	36	–	36	–	36	10	36	1	36	–	32	–	36	2	36	–	36	–
FOLLY BROOK	EXTON	R05A029	42	–	42	–	42	–	38	–	42	–	42	2	40	–	42	–	26	–	26	–
EXETER CANAL	A38 BRIDGE COUNTESS WEAR	R05A006	37	–	37	3	36	1	35	1	37	2	37	–	33	–	37	–	37	–	37	–
CLYST	CLYST HYDON	R05B001	39	–	39	–	39	–	38	8	39	2	39	7	38	5	39	7	0	–	0	–
CLYST	CLYST ST LAWRENCE	R05B002	39	–	39	–	39	–	38	3	39	–	39	5	38	–	39	3	0	–	0	–
CLYST	ASHCLYST FARM	R05B003	39	–	39	–	39	–	37	–	39	–	39	1	38	–	39	2	0	–	0	–
CLYST	A38 BRIDGE BROADCLYST	R05B004	40	–	40	–	40	–	38	12	40	–	40	1	38	–	40	3	0	–	0	–
CLYST	WITHY BRIDGE	R05B005	40	–	40	–	40	–	38	7	40	–	40	1	39	–	40	4	0	–	0	–
CLYST	A30 BRIDGE CLYST HONITON	R05B006	41	–	41	–	41	–	39	1	41	1	41	–	38	–	41	2	17	–	17	–
CLYST	CLYST ST MARY	R05B007	38	–	38	–	38	–	36	6	38	–	38	–	33	–	38	4	24	–	24	–
GRINDLE BROOK	WINSLADE PARK	R05A028	32	–	32	–	32	–	31	3	32	1	32	–	30	–	32	7	26	–	26	–
AYLESBEARE STREAM	DYMONDS FARM	R05B013	32	–	32	–	32	–	31	10	32	1	32	–	29	–	32	2	0	–	0	–
PIN BROOK	MOSSHAYNE	R05B012	33	–	33	–	33	–	32	1	33	–	33	–	32	–	33	6	27	–	27	–
CRANNY BROOK	BARNHAYES	R05B009	38	–	38	–	37	–	36	1	38	6	38	5	35	4	38	8	1	–	1	–
CRANNY BROOK	CRANNAFORD CROSSING	R05B010	40	–	40	–	40	–	39	1	40	–	40	1	40	–	40	1	0	–	0	–
CRANNY BROOK	NISHFORD FARM	R05B011	39	–	39	–	39	–	38	–	39	–	39	–	37	–	39	3	34	–	34	–
FORD STREAM	A30 BRIDGE, NEAR ROCKBEARE	R05B014	32	–	32	–	32	–	31	3	32	1	32	–	32	–	32	2	0	–	0	–
ALPHIN BROOK	DYMONDS BRIDGE	R05A003	32	–	32	–	32	–	30	–	32	5	32	1	31	–	32	8	0	–	0	–
ALPHIN BROOK	FOOTBRIDGE ALPHINGTON	R05A004	30	–	30	–	30	–	29	–	30	2	30	–	26	–	30	4	6	–	6	–
ALPHIN BROOK	COUNTESS WEAR BRIDGE	R05A005	33	–	33	–	33	–	31	1	33	1	33	–	33	–	33	3	27	–	27	–

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: EXE

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
NORTH BROOK	NORTHBROOK PARK	R05A026	44	–	44	–	44	–	44	–	44	1	44	7	41	1	44	3	23	–	23	–
CREEDY	ASHRIDGE BRIDGE	R05J001	31	–	31	–	30	–	30	2	31	1	31	–	28	–	31	5	0	–	0	–
CREEDY	CREEDY BRIDGE	R05J002	38	–	38	–	36	1	36	1	38	–	38	–	36	–	38	3	32	–	32	–
CREEDY	WESTCOTT COTTAGES	R05J003	37	–	37	–	36	–	37	3	37	–	37	–	36	–	37	2	35	–	35	–
CREEDY	NEWTON ST CYRES	R05J013	39	–	39	–	38	–	38	–	39	1	39	–	36	–	39	6	27	–	27	–
CREEDY	OAKFORD FARM	R05J004	38	–	38	–	38	–	38	–	38	2	38	–	36	–	38	4	38	–	38	–
JACKMOOR BROOK	LANGFORD	R05J018	32	–	32	–	32	–	31	–	32	–	32	–	29	–	32	5	0	–	0	–
SHUTTERN BROOK	PRIOR TO RIVER CREEDY	R05J021	40	–	40	–	40	–	40	–	40	–	40	–	30	–	40	8	14	–	14	–
SHOBROOK LANE	CREEDY BARTON	R05J017	31	–	31	–	31	–	30	–	31	1	31	–	30	–	31	5	0	–	0	–
YED (CREEDY)	BINNEFORD	R05K003	31	–	31	–	31	–	31	5	31	–	31	–	26	–	31	–	0	–	0	–
YED (CREEDY)	GUNSTONE MILLS	R05K004	32	–	32	–	32	–	32	–	31	–	32	–	31	–	32	3	1	–	1	–
YED (CREEDY)	DOWNES MILLS PRIOR TO RIVER CREEDY	R05K005	46	–	46	–	46	–	46	1	45	–	45	–	38	–	46	4	46	–	46	–
CULLERY RIVER	UTON	R05K011	32	–	32	–	32	–	32	2	32	–	32	–	30	–	32	3	20	–	20	–
FORD BROOK	FORD FARM	R05K010	32	–	32	–	32	–	32	4	32	1	32	–	28	–	32	–	19	–	19	–
TRONEY	EASTERBROOK	R05K008	29	–	29	–	29	–	29	3	29	–	29	–	23	–	29	1	0	–	0	–
TRONEY	YEDFORD	R05K002	31	–	31	–	31	–	31	–	31	–	31	–	28	–	31	4	25	–	25	–
COLE BROOK	COLEBROOKE	R05K009	32	–	32	–	32	–	32	–	32	–	32	–	32	–	32	3	0	–	0	–
HOLLY WATER	HEATH BRIDGE	R05J015	32	–	32	–	31	–	31	1	32	2	32	–	30	–	32	5	1	–	1	–
BINNEFORD WATER	NEAR ASHRIDGE FARM	R05J016	32	–	32	–	31	–	31	–	32	2	32	–	30	–	32	5	0	–	0	–
CULM	ROSEMARY LANE CLAYHIDON	R05C002	39	–	39	–	39	–	37	1	39	–	39	–	38	–	39	2	0	–	0	–
CULM	HEMYOCK	R05C003	38	–	38	–	38	–	36	1	38	2	38	1	37	–	38	2	0	–	0	–
CULM	CULMSTOCK	R05C004	38	–	38	1	38	–	37	1	38	1	38	1	35	–	38	1	1	–	1	–
CULM	UFFCULME	R05C005	39	–	39	–	39	–	38	1	39	1	39	–	36	–	39	2	27	–	27	–
CULM	SKINNER'S FARM WILLAND	R05C006	38	–	38	–	38	–	38	–	38	–	38	–	37	–	38	2	31	–	31	–
CULM	HIGHER UPTON FARM	R05C007	40	–	40	–	40	–	40	1	41	1	40	1	38	–	40	6	1	–	1	–
CULM	BELOW CULLOMPTON STW	R05C043	19	–	19	–	19	–	19	–	20	–	19	–	18	–	19	3	0	–	0	–
CULM	MERRY HARRIERS INN WESTCOTT	R05C008	40	–	40	–	40	–	40	–	41	1	40	–	36	–	40	2	28	–	28	–
CULM	50M BELOW WEIR, ABOVE SIDBERTON MILL	R05C009	39	–	39	–	39	–	38	–	39	–	39	–	37	–	39	3	0	–	0	–
CULM	FOOTBRIDGE ABOVE SIDBERTON MILL	R05C010	39	–	39	–	39	–	39	–	39	–	39	–	37	–	39	4	0	–	0	–
CULM	POINT 200M BELOW SIDBERTON MILL	R05C011	39	–	39	–	39	–	39	1	39	–	39	–	36	–	39	5	0	–	0	–
CULM	COLUMBJOHN	R05C012	40	–	40	–	40	–	38	–	40	–	40	–	39	–	40	3	5	–	5	–
CULM	A.396 BRIDGE STOKE CANON	R05C013	40	–	40	–	38	–	36	1	40	–	40	–	37	–	40	2	40	–	40	–

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: EXE

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
WEAVER	WEAVER BRIDGE ON B3181	R05C026	32	-	32	-	32	-	32	5	32	3	32	2	29	-	32	4	0	-	0	-
SPRATFORD STREAM	LEONARD MOOR BRIDGE	R05C015	31	-	31	-	31	-	31	1	32	1	31	1	30	-	31	2	0	-	0	-
SPRATFORD STREAM	B3391 BRIDGE TIVERTON JUNCTION	R05C016	32	-	32	-	32	-	32	-	33	-	32	-	32	-	32	1	16	-	16	-
SPRATFORD STREAM	FIVE BRIDGES	R05C017	31	-	31	-	31	-	31	1	32	1	31	-	31	-	31	3	23	-	23	-
HERONSBANK BROOK	HERONS BANK	R05C027	32	-	32	-	32	-	32	-	33	-	32	-	31	-	32	-	0	-	0	-
SHELDON STREAM	CRADDOCK BRIDGE	R05C014	32	-	32	-	32	-	31	1	32	1	32	2	30	-	32	3	20	-	20	-
MADFORD RIVER	PRIOR TO DUNKESWELL STREAM	R05C041	18	-	18	-	18	-	16	-	18	-	18	-	16	-	18	1	6	-	6	-
MADFORD RIVER	DUNKESWELL ABBEY	R05C028	36	-	36	-	35	-	32	1	36	1	36	-	32	-	36	1	24	-	24	-
MADFORD RIVER	CULM BRIDGE HEMYOCK	R05C019	32	-	32	-	32	-	30	3	32	2	32	1	31	-	32	4	27	1	27	-
DUNKESWELL STREAM	PRIOR TO MADFORD RIVER	R05C042	18	-	18	-	18	-	16	-	18	2	18	1	17	-	18	1	6	-	6	-
BOLHAM RIVER	FIVE BRIDGES	R05C018	31	-	31	-	31	-	29	1	31	3	31	1	31	-	31	2	26	1	26	-
THORVERTON STREAM	THORVERTON BRIDGE	R05D009	32	-	32	-	32	-	32	-	32	2	32	2	30	-	32	7	0	-	0	-
BURN	BURN MILL FARM	R05D008	31	-	31	-	30	-	30	1	31	3	31	1	29	-	31	5	26	-	26	-
DART (EXE)	A373 BRIDGE BRADLEY	R05D006	31	-	31	-	31	-	31	1	31	-	31	-	30	-	31	2	0	-	0	-
DART (EXE)	DART BRIDGE BICKLEIGH	R05D007	39	-	39	-	39	-	39	-	38	1	39	-	37	-	39	5	39	1	39	-
LOWMAN	HUNTSHAM WOOD	R05E009	32	-	32	-	32	-	30	1	32	-	32	-	32	-	32	2	0	-	0	-
LOWMAN	CRAZE LOWMAN	R05E010	31	-	31	-	31	-	29	1	30	-	31	-	29	-	31	3	0	-	0	-
LOWMAN	A373 BRIDGE TIVERTON	R05E011	38	-	38	-	37	-	36	1	37	-	38	-	35	-	37	5	38	-	38	-
UPLOWMAN STREAM	WITHAVES	R05E021	32	-	32	-	32	-	30	1	32	-	32	-	32	-	32	6	0	-	0	-
GRAND WESTERN CANAL	PENNORE BRIDGE	R05C021	38	-	38	-	38	-	37	1	38	2	38	1	37	1	38	8	38	-	38	-
GRAND WESTERN CANAL	THE BASIN TIVERTON	R05E013	38	-	38	-	38	-	37	1	38	17	38	-	30	-	38	25	38	-	38	-
CULVERLEIGH STREAM	SWINESBRIDGE	R05E020	32	-	32	-	32	-	32	-	32	-	32	-	31	-	32	3	26	-	26	-
BRITHERM	RANSCOMBE	R05F001	32	-	32	-	32	-	31	-	32	-	32	-	28	-	32	-	20	-	20	-
BRITHERM	A361 BRIDGE SHILLINGFORD	R05F002	31	-	31	-	31	-	30	-	31	-	31	-	29	-	31	4	0	-	0	-
BRITHERM	BOWDENHILL WOOD	R05F003	51	-	51	-	51	-	51	1	37	-	37	-	34	-	37	6	37	-	37	-
IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	38	-	38	-	38	-	38	-	38	-	38	-	33	-	38	3	38	-	38	-
BROCKEY RIVER	BROCKSBRIDGE COTTAGES	R05E012	30	-	30	-	30	-	30	-	30	-	30	-	25	-	30	3	29	-	29	-

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: EXE

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
BARLE	SIMONSBATH	R05H001	33	-	33	-	33	-	33	1	31	-	33	-	26	-	33	1	20	-	20	-
BARLE	TARR STEPS	R05H002	38	-	38	-	38	-	38	1	38	-	38	-	26	-	38	1	25	-	25	-
BARLE	PIXTON HILL	R05H003	38	-	38	-	37	-	37	-	38	-	38	-	31	-	38	1	38	-	38	-
DANE'S BROOK	CASTLE BRIDGE	R05H004	38	-	38	-	38	-	38	1	37	-	38	-	24	-	38	-	38	-	38	-
SHERCOM WATER	FERNY BALL	R05H005	38	-	38	-	38	-	38	-	38	-	38	-	28	-	38	-	25	-	25	-
HADDEO	CUCKOLLS COMBE	R05G004	31	-	31	-	31	-	30	1	31	-	31	-	25	-	31	-	25	-	25	-
HADDEO	WIMBLEBALL RESERVOIR	R05G010	60	-	60	-	60	-	51	3	60	-	60	-	19	-	60	1	31	-	31	-
HADDEO	A396 BRIDGE PIXY COPSE	R05G005	37	-	37	-	37	-	37	-	37	-	37	-	35	-	37	4	36	-	36	-
FULHAM	PRIOR TO RIVER HADDEO	R05G009	33	-	33	-	33	-	33	-	33	1	33	-	27	-	33	1	33	-	33	-
QUARME	COPPLEHAM BRIDGE	R05G006	38	-	38	-	38	-	38	2	38	2	38	-	32	-	38	2	38	-	38	-
DANISH WATER	DANISH	R05A027	31	-	31	-	30	1	30	-	31	-	31	-	28	-	31	1	4	-	4	-

Appendix 8.9

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

River	Reach upstream of	User Ref. Number	pH Lower
EXE	COURT FARM EXFORD	R05G001	-
EXE	CHILLY BRIDGE	R05G002	-
EXE	WARMORE	R05G003	-
EXE	EXEBRIDGE	R05E001	-
EXE	HALFPENNY BRIDGE	R05E002	-
EXE	LYTHECOURT	R05E003	-
EXE	TIVERTON NEW BRIDGE	R05E004	-
EXE	COLLIPRIEST TIVERTON	R05E005	-
EXE	ASHLEY	R05E006	-
EXE	BICKLEIGH CASTLE	R05D015	-
EXE	THORVERTON GAUGING STATION	R05D001	-
EXE	STAFFORD BRIDGE	R05D002	-
EXE	EXWICK	R05D003	-
EXE	TREWS WEIR EXETER	R05D004	-
KENN	A38 BRIDGE KENNFORD	R05A001	-
KENN	POWDERHAM CASTLE	R05A002	-
POLLY BROOK	EXTON	R05A029	-
EXETER CANAL	A38 BRIDGE COUNTESS WEAR	R05A006	-
CLYST	CLYST HYDON	R05B001	-
CLYST	CLYST ST LAWRENCE	R05B002	-
CLYST	ASHCLYST FARM	R05B003	-
CLYST	A38 BRIDGE BROADCLYST	R05B004	-
CLYST	WITHY BRIDGE	R05B005	-
CLYST	A30 BRIDGE CLYST HONITON	R05B006	-
CLYST	CLYST ST MARY	R05B007	-
GRINDLE BROOK	WINSLADE PARK	R05A028	-
AYLESBEARE STREAM	DYMONDS FARM	R05B013	-
PIN BROOK	MOSSHAYNE	R05B012	-
CRANNY BROOK	BARNSHAYES	R05B009	-
CRANNY BROOK	CRANNAFORD CROSSING	R05B010	-
CRANNY BROOK	WISHFORD FARM	R05B011	-
FORD STREAM	A30 BRIDGE, NEAR ROCKBEARE	R05B014	-
ALPHIN BROOK	DYMONDS BRIDGE	R05A003	-
ALPHIN BROOK	FOOTBRIDGE ALPHINGTON	R05A004	-
ALPHIN BROOK	COUNTESS WEAR BRIDGE	R05A005	-

PERCENTAGE EXCEEDENCE OF STATISTIC FROM QUALITY STANDARD

pH Upper	Temperature	DO (%)	BOD (ATU)	Total Ammonia	Un-ionised Ammonia	Suspended Solids	Total Copper	Total Zinc
-	-	-	-	-	-	-	-	-
-	-	-	83	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	12	7	-	-	-	-	-
-	-	-	1	-	-	-	25	-
-	-	-	32	-	-	-	-	-
-	-	8	74	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	11	116	-	-	-	-	-
-	-	-	28	-	-	-	-	-
-	-	1	90	43	-	-	-	-
-	-	11	-	-	-	-	-	-
-	-	-	-	1	-	-	-	-
4	2	1	24	-	-	-	-	-
-	-	50	49	150	93	-	-	-
-	-	15	-	35	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	32	-	-	-	-	-	-
-	-	30	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	36	-	-	-	-	-	-
-	-	19	107	-	-	5	-	-
-	-	34	6	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	1	412	450	262	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	11	-	-	-	-	-	-
-	-	-	93	31	-	76	-	-
-	-	-	114	-	-	-	-	-
-	-	-	26	-	-	1	-	-

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

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
NORTH BROOK	NORTHBROOK PARK	R05A026	-	-	-	-	-	174	-	-	-	-
CREEDY	ASHRIDGE BRIDGE	R05J001	-	-	-	4	29	-	-	-	-	-
CREEDY	CREEDY BRIDGE	R05J002	-	-	-	-	-	-	-	-	-	-
CREEDY	WESTACOTT COTTAGES	R05J003	-	-	-	17	-	-	-	-	-	-
CREEDY	NEWTON ST CYRES	R05J013	-	-	-	-	-	-	-	-	-	-
CREEDY	OAKFORD FARM	R05J004	-	-	-	-	28	-	-	-	-	-
JACKMOOR BROOK	LANGFORD	R05J018	-	-	-	-	-	-	-	7	-	-
SHUTTERN BROOK	PRIOR TO RIVER CREEDY	R05J021	-	-	-	-	-	-	-	82	-	-
SHOBROOK LAKE	CREEDY BARTON	R05J017	-	-	-	-	-	-	-	-	-	-
YEO (CREEDY)	BINNEFORD	R05K003	-	-	-	59	-	-	-	-	-	-
YEO (CREEDY)	GUNSTONE MILLS	R05K004	-	-	-	-	-	-	-	-	-	-
YEO (CREEDY)	DOWNES MILLS PRIOR TO RIVER CREED	R05K005	-	-	-	-	-	-	-	-	-	-
CULVERY RIVER	UTON	R05K011	-	-	-	11	-	-	-	-	-	-
FORD BROOK	FORD FARM	R05K010	-	-	-	67	-	-	-	-	-	-
TRONEY	EASTERBROOK	R05K008	-	-	-	23	-	-	-	-	-	-
TRONEY	YEOFORD	R05K002	-	-	-	-	-	-	-	-	-	-
COLE BROOK	COLEBROOKE	R05K009	-	-	-	-	-	-	-	-	-	-
HOLLY WATER	HEATH BRIDGE	R05J015	-	-	-	-	9	-	-	-	-	-
BINNEFORD WATER	NEAR ASHRIDGE FARM	R05J016	-	-	-	-	15	-	-	-	-	-
CULM	ROSEMARY LANE CLAYHIDON	R05C002	-	-	-	-	-	-	-	-	-	-
CULM	HEMYOCK	R05C003	-	-	-	-	19	-	-	-	-	-
CULM	CULMSTOCK	R05C004	-	-	-	-	-	-	-	-	-	-
CULM	UFFCULME	R05C005	-	-	-	-	-	-	-	-	-	-
CULM	SKINNER'S FARM WILLAND	R05C006	-	-	-	-	-	-	-	-	-	-
CULM	HIGHER UPTON FARM	R05C007	-	-	-	-	-	-	-	-	-	-
CULM	BELOW CULLOMPTON STW	R05C043	-	-	-	-	-	-	-	-	-	-
CULM	MERRY HARRIERS INN WESTCOTT	R05C008	-	-	-	-	-	-	-	-	-	-
CULM	50M BELOW WEIR, ABOVE SILVERTON M	R05C009	-	-	-	-	-	-	-	-	-	-
CULM	FOOTBRIDGE ABOVE SILVERTON MILL	R05C010	-	-	-	-	-	-	-	-	-	-
CULM	POINT 200M BELOW SILVERTON MILL	R05C011	-	-	-	-	-	-	-	-	-	-
CULM	COLUMBJOHN	R05C012	-	-	-	-	-	-	-	-	-	-
CULM	A.396 BRIDGE STOKE CANON	R05C013	-	-	-	-	-	-	-	-	-	-

Appendix 8.10

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

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
WEAVER	WEAVER BRIDGE ON B3181	R05C026	-	-	-	36	37	116	-	-	-	-
SPRATFORD STREAM	LEONARD MOOR BRIDGE	R05C015	-	-	-	-	-	-	-	-	-	-
SPRATFORD STREAM	B3391 BRIDGE TIVERTON JUNCTION	R05C016	-	-	-	-	-	-	-	-	-	-
SPRATFORD STREAM	FIVE BRIDGES	R05C017	-	-	-	-	-	-	-	-	-	-
HERONSBANK BROOK	HERONS BANK	R05C027	-	-	-	-	-	-	-	-	-	-
SHELDON STREAM	CRADDOCK BRIDGE	R05C014	-	-	-	-	11	29	-	-	-	-
MADFORD RIVER	PRIOR TO DUNKESWELL STREAM	R05C041	-	-	-	-	-	-	-	-	-	-
MADFORD RIVER	DUNKESWELL ABBEY	R05C028	-	-	-	1	-	-	-	-	-	-
MADFORD RIVER	CULM BRIDGE HEMYOCK	R05C019	-	-	-	28	177	35	-	1	-	-
DUNKESWELL STREAM	PRIOR TO MADFORD RIVER	R05C042	-	-	-	-	27	32	-	-	-	-
BOLHAM RIVER	FIVE BRIDGES	R05C018	-	-	-	22	127	41	-	-	-	-
THORVERTON STREAM	THORVERTON BRIDGE	R05D009	-	-	-	-	44	51	-	18	-	-
BURN	BURN MILL FARM	R05D008	-	-	-	-	34	11	-	53	-	-
DART (EXE)	A373 BRIDGE BRADLEY	R05D006	-	-	-	8	-	-	-	-	-	-
DART (EXE)	DART BRIDGE BICKLEIGH	R05D007	-	-	-	-	-	-	-	-	-	-
LOWMAN	HUNTSHAM WOOD	R05E009	-	-	-	13	-	-	-	-	-	-
LOWMAN	CRAZE LOWMAN	R05E010	-	-	-	-	-	-	-	-	-	-
LOWMAN	A373 BRIDGE TIVERTON	R05E011	-	-	-	-	-	-	-	-	-	-
UPLOWMAN STREAM	WIDHAYES	R05E021	-	-	-	9	-	-	-	-	-	-
GRAND WESTERN CANAL	FENACRE BRIDGE	R05C021	-	-	-	-	126	4	-	-	-	-
GRAND WESTERN CANAL	THE BASIN TIVERTON	R05E013	-	-	-	-	180	-	-	-	-	-
CALVERLEIGH STREAM	SWINESBRIDGE	R05E020	-	-	-	-	-	-	-	-	-	-
BATHERM	RANSCOMBE	R05F001	-	-	-	-	-	-	-	-	-	-
BATHERM	A361 BRIDGE SHILLINGFORD	R05F002	-	-	-	-	-	-	-	-	-	-
BATHERM	BOWBIERHILL WOOD	R05F003	-	-	-	-	-	-	-	-	-	-
IRON MILL STREAM	PRIOR TO RIVER EXE	R05E008	-	-	-	-	-	-	-	-	-	-
BROCKEY RIVER	BROCKSBRIDGE COTTAGES	R05E012	-	-	-	-	-	-	-	-	-	-

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

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
BARLE	SIMONSBATH	R05H001	-	-	-	-	-	-	-	-	-	-
BARLE	TARR STEPS	R05H002	-	-	-	-	-	-	-	-	-	-
BARLE	PIXTON HILL	R05H003	-	-	-	-	-	-	-	-	-	-
DANE'S BROOK	CASTLE BRIDGE	R05H004	-	-	-	-	-	-	-	-	-	-
SHERDON WATER	FERNY BALL	R05H005	-	-	-	-	-	-	-	-	-	-
HADDEO	CUCKWOLDS COMBE	R05G004	-	-	-	2	-	-	-	-	-	-
HADDEO	WIMBLEBALL RESERVOIR	R05G010	-	-	-	6	-	-	-	-	-	-
HADDEO	A396 BRIDGE PIXY COPSE	R05G005	-	-	-	-	-	-	-	-	-	-
PULHAM	PRIOR TO RIVER HADDEO	R05G009	-	-	-	-	-	-	-	-	-	-
QUARME	COPPLEHAM BRIDGE	R05G006	-	-	-	2	4	-	-	-	-	-
DAWLISH WATER	DAWLISH	R05A027	-	-	-	-	-	-	-	-	-	-

Appendix 8.10