

Environmental Protection Report

River Axe Catchment River Water Quality Classification 1991

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NRA

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South West Region

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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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ENVIRONMENT AGENCY



130051

RIVER WATER QUALITY IN THE RIVER AXE CATCHMENT

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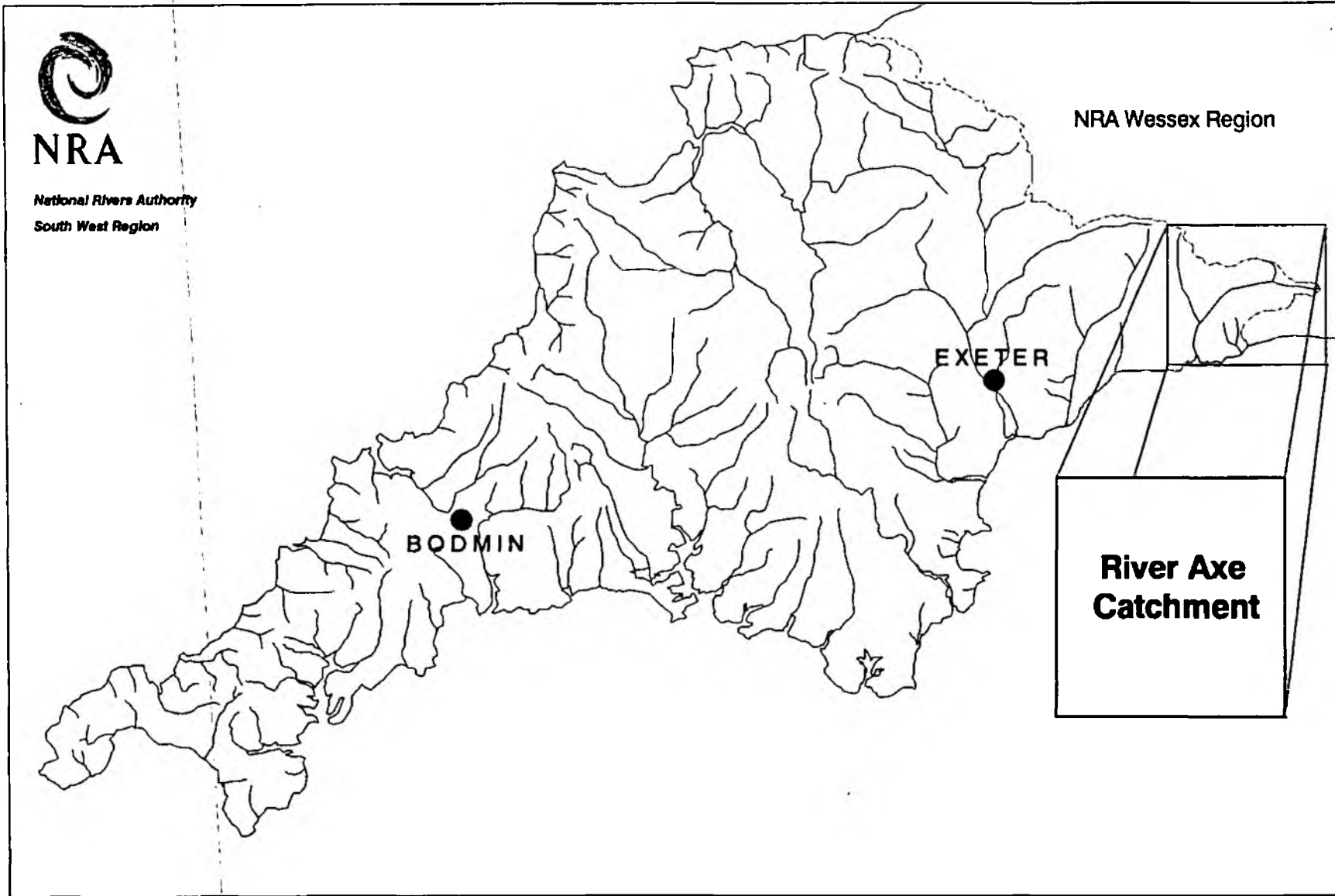
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National Rivers Authority South West Region



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South West Region



NRA Wessex Region

River Axe Catchment

**River Axe
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 Axe catchment.

2. RIVER AXE CATCHMENT

The River Axe flows over a distance of 44.1 km from its source to the tidal limit, (Appendix 8.1). Water quality was monitored at ten locations on the main river; nine of these sites were sampled at approximately monthly intervals. The site at Whitford Bridge, which is a National Water Quality monitoring point, was sampled fortnightly.

Branscombe Stream flows over a distance of 5.2 km from its source to the tidal limit, (Appendix 8.1) and was monitored at one site at approximately monthly intervals.

The River Coly flows over a distance of 13.8 km from its source to the tidal limit in the Axe Estuary, (Appendix 8.1) and was monitored at three locations.

Throughout the Axe catchment twelve secondary and one tertiary tributaries were monitored at monthly intervals.

2.1 SECONDARY TRIBUTARIES

The River Yarty flows over a distance of 24 km from its source to the confluence with the River Axe, (Appendix 8.1) and was monitored at four locations.

The Umborne and Offwell Brooks flow over a distance of 14.6 km and 6.8 km respectively before joining the River Coly, (Appendix 8.1). Each of these tributaries was monitored at two locations.

The Kit Brook and Forton Brook flow over a distance of 9.4 km and 5.5 km respectively before joining the main River Axe, (Appendix 8.1). Each of these tributaries was monitored at two locations.

Temple Brook (4.7 km), Whatley Stream (5.4 km), River Synderford (7.2 km), Drimpton Stream (5.6 km), Whetley Stream (4.4 km) and Blackwater River (7.5 km) were all monitored at one location, (Appendix 8.1). Monitoring points are all located in the lower reaches of these streams.

2.2 TERTIARY STREAMS

The Corry Brook flows over a distance of 12.7 km before joining the River Yarty (Appendix 8.1) and was monitored at two locations.

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, certain 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 Axe 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

<u>Class</u>	<u>Description</u>
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

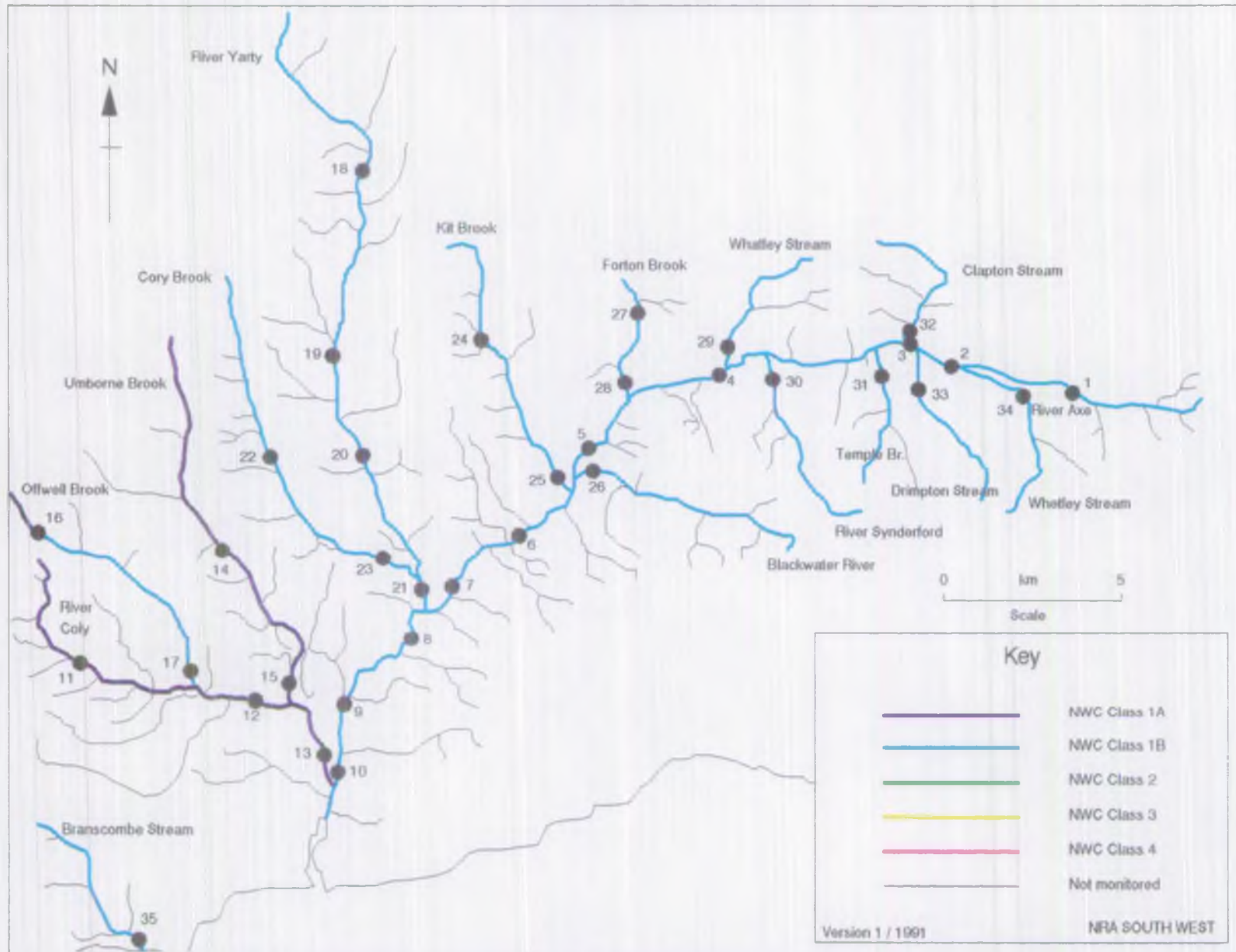
RIVER REACH	A segment of water, upstream from sampling point to the next sampling point.
RIVER LENGTH	River distance in kilometres.
RIVER QUALITY OBJECTIVE	That NWC class, which protects the most sensitive use of the water.
95 percentiles	Maximum limits, which must be met for at least 95% of the time.
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.

Axe Catchment River Quality Objectives



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

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 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 NH₄. **
 - (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 NH₄/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
Suspended solids	95 percentile
	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 CaCO ₃	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 CaCO ₃	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: AXE

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
1	AXE	A3066 BRIDGE MOSTERTON	R02C001	ST 4573 0526
2	AXE	SEABOROUGH	R02C002	ST 4296 0574
3	AXE	CLAPTON BRIDGE	R02C003	ST 4130 0630
4	AXE	FORDE BRIDGE	R02C004	ST 3622 0535
5	AXE	BROOM	R02C005	ST 3263 0248
6	AXE	A358 BRIDGE WEYCROFT	R02C006	ST 3073 0001
7	AXE	BOW BRIDGE	R02C007	SY 2901 9823
8	AXE	SLYMLAKES	R02B021	SY 2800 9670
9	AXE	WHITFORD BRIDGE	R02B001	SY 2623 9538
10	AXE	AXE BRIDGE	R02B002	SY 2593 9269
	AXE	NORMAL TIDAL LIMIT (INFERRED STRETCH)		
11	COLY	WOODBIDGE	R02B003	SY 1888 9533
12	COLY	HEATHAYNE FARM	R02B005	SY 2355 9430
13	COLY	COLYFORD	R02B006	SY 2535 9270
	COLY	NORMAL TIDAL LIMIT (INFERRED STRETCH)		
14	UMBORNE BROOK	TRIFFORDS FARM	R02B007	SY 2238 9943
15	UMBORNE BROOK	UMBORNE BRIDGE	R02B008	SY 2485 9425
16	OFFWELL BROOK	WEST COLWELL	R02B009	SY 1928 9876
17	OFFWELL BROOK	ROADPITT FARM	R02B010	SY 2150 9532
	OFFWELL BROOK	COLY CONFLUENCE (INFERRED STRETCH)		
18	YARTY	NEWHAVEN BRIDGE	R02D003	ST 2588 1098
19	YARTY	LONGBRIDGE	R02D004	ST 2551 0551
20	YARTY	BECKFORD BRIDGE	R02D005	ST 2652 0150
21	YARTY	A35 BRIDGE GAMMONS HILL	R02D006	SY 2815 9801
	YARTY	AXE CONFLUENCE (INFERRED STRETCH)		
22	CORRY BROOK	ROSE FARM	R02D001	ST 2420 0239
23	CORRY BROOK	PRIOR TO RIVER YARTY	R02D002	SY 2808 9820
24	KIT BROOK	NARFORDS	R02C012	ST 2961 0629
25	KIT BROOK	AXE FARM	R02C013	ST 3199 0162
	KIT BROOK	AXE CONFLUENCE (INFERRED STRETCH)		
26	BLACKWATER RIVER	BUDDLEWALL	R02C008	ST 3308 0220
	BLACKWATER RIVER	AXE CONFLUENCE (INFERRED STRETCH)		
27	FORTON BROOK	B3162 BRIDGE FORTON	R02C010	ST 3401 0730
28	FORTON BROOK	TATWORTH	R02C011	ST 3368 0485
	FORTON BROOK	AXE CONFLUENCE (INFERRED STRETCH)		
29	WHATLEY STREAM	AMMERHAM	R02C015	ST 3650 0556

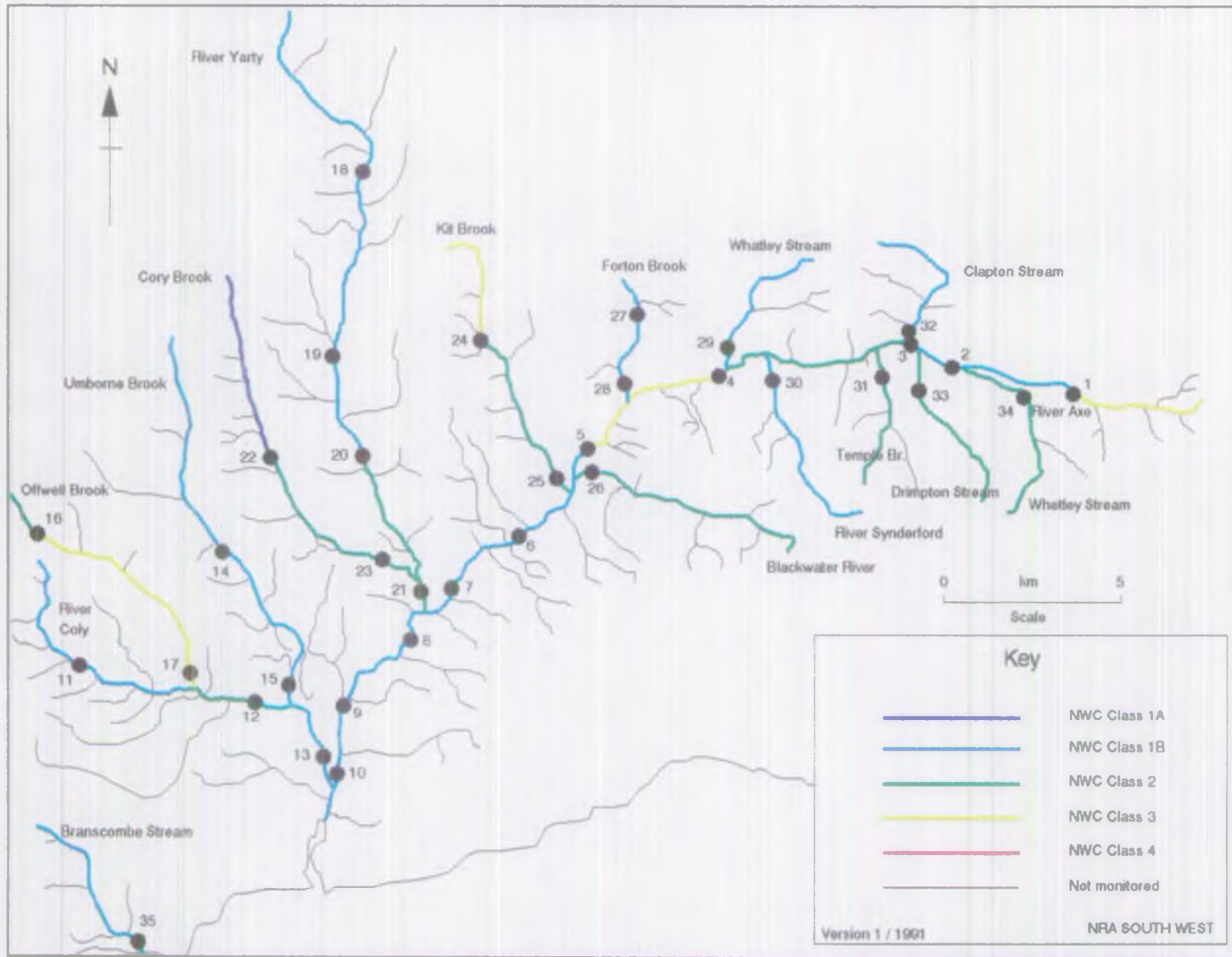
Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
4.5	4.5	1B	3	3	2	2	1B	3	3
3.0	7.5	1B	3	3	3	3	3	2	1B
2.6	10.1	1B	2	2	2	2	2	2	1B
7.5	17.6	1B	2	2	1B	2	2	2	2
7.0	24.6	1B	2	3	2	2	2	3	3
4.3	28.9	1B	2	3	2	2	1B	1B	1B
3.3	32.2	1B	2	3	2	2	2	2	1B
3.8	36.0	1B	2	2	2	1B	1B	1B	1B
3.8	39.8	1B	2	2	2	1B	1B	2	1B
4.0	43.8	1B	1B	2	2	2	2	2	1B
0.3	44.1	1B	1B	2	2	2	2	2	1B
4.3	4.3	1A	2	3	3	3	3	2	1B
5.6	9.9	1A	1B	2	2	1B	1B	2	2
3.3	13.2	1A	2	3	3	1B	1B	1B	1B
0.6	13.8	1A	2	3	3	1B	1B	1B	1B
7.8	7.8	1A	1B	1B	1B	1B	1B	1B	1B
6.8	14.6	1A	1B	1B	1B	1B	1A	1A	1B
2.0	2.0	1A	1B	1B	1B	2	3	3	2
4.5	6.5	1B	1B	2	2	1B	1B	1B	3
0.3	6.8	1B	1B	2	2	1B	1B	1B	3
7.3	7.3	1B	1B	2	2	2	1B	1B	1B
6.2	13.5	1B	2	3	3	2	2	1B	1B
4.9	18.4	1B	2	3	3	2	2	2	1B
4.4	22.8	1B	2	2	2	1B	2	2	2
1.2	24.0	1B	2	2	2	1B	2	2	2
5.9	5.9	1B	2	1B	3	3	2	1B	1A
6.8	12.7	1B	1B	1B	1B	1B	2	2	2
3.3	3.3	1B	1A	1B	1B	1A	1A	3	3
5.8	9.1	1B	1B	2	1B	1B	2	2	2
0.3	9.4	1B	1B	2	1B	1B	2	2	2
6.8	6.8	1B	2	3	3	1B	2	2	2
0.7	7.5	1B	2	3	3	1B	2	2	2
2.3	2.3	1B	2	3	3	3	2	1B	1B
2.5	4.8	1B	1B	1B	1B	1B	1B	1B	1B
0.7	5.5	1B	1B	1B	1B	1B	1B	1B	1B
5.3	5.3	1B	2	2	2	2	2	3	1B

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

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
	WHATLEY STREAM	AXE CONFLUENCE (INFERRED STRETCH)		
30	SYNDERFORD SYNDERFORD	BEERE FARM AXE CONFLUENCE (INFERRED STRETCH)	R02C014	ST 3775 0573
31	TEMPLE BROOK TEMPLE BROOK	OATHILL BRIDGE AXE CONFLUENCE (INFERRED STRETCH)	R02C018	ST 4072 0590
32	CLAPTON CLAPTON	CLAPTON DAIRY FARM AXE CONFLUENCE (INFERRED STRETCH)	R02C017	ST 4162 0715
33	DRIMPTON STREAM DRIMPTON STREAM	NETHERHAY AXE CONFLUENCE (INFERRED STRETCH)	R02C009	ST 4165 0548
34	WHETLEY STREAM WHETLEY STREAM	POTWELL FARM AXE CONFLUENCE (INFERRED STRETCH)	R02C016	ST 4474 0487
35	BRANSCOMBE STREAM BRANSCOMBE STREAM	BRANSCOMBE MOUTH MEAN HIGH WATER (INFERRED STRETCH)	R02A001	SY 2070 8819

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
0.1	5.4	1B	2	2	2	2	2	3	1B
6.9	6.9	1B	2	2	2	1B	2	2	1B
0.3	7.2	1B	2	2	2	1B	2	2	1B
4.3	4.3	1B						2	2
0.4	4.7	1B						2	2
4.3	4.3	1B							1B
1.1	5.4	1B							1B
4.8	4.8	1B	4	3	3	1B	2	2	2
0.8	5.6	1B	4	3	3	1B	2	2	2
3.5	3.5	1B	2	2	2	3	3	3	2
0.9	4.4	1B	2	2	2	3	3	3	2
5.0	5.0	1B						1B	1B
0.2	5.2	1B						1B	1B

Axe Catchment Water Quality - 1991



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

River	Reach upstream of	User Ref. Number	RQD	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower Class 95tile		pH Upper Class 95tile		Temperature Class 95tile		DO (%) Class 95tile		BOD (AGU) Class 95tile		Total Ammonia Class 95tile		Union. Ammonia Class 95tile		S.Solids Class Mean		Total Copper Class 95tile		Total Zinc Class 95tile	
AVE	A3066 BRIDGE MORDERTON	R02C001	1B	1A	7.9	1A	8.3	1A	18.5	1A	81.8	2	7.3	1B	0.688	3	0.023	1A	15.9	-	-	-	-
AVE	SEABOROUGH	R02C002	1B	1A	7.7	1A	8.4	1A	19.0	1A	83.9	1B	5.0	1B	0.572	1A	0.010	1A	12.7	-	-	-	-
AVE	CLAPTON BRIDGE	R02C003	1B	1A	7.7	1A	8.2	1A	17.0	1B	73.0	1B	5.0	1B	0.680	1A	0.010	1A	7.3	-	-	-	-
AVE	FORDE BRIDGE	R02C004	1B	1A	7.6	1A	8.3	1A	17.5	1B	76.0	2	5.2	1B	0.479	1A	0.010	1A	20.9	-	-	-	-
AVE	BROOM	R02C005	1B	1A	7.6	1A	8.4	1A	17.0	1B	80.0	2	6.7	1B	0.420	1A	0.010	3	34.2	1A	17.0	1A	50.0
AVE	A358 BRIDGE WEYCROFT	R02C006	1B	1A	7.7	1A	8.3	1A	17.2	1A	83.8	1B	4.4	1A	0.274	1A	0.010	1A	13.7	-	-	-	-
AVE	BOW BRIDGE	R02C007	1B	1A	7.7	1A	8.5	1A	19.2	1B	75.7	1B	4.5	1A	0.295	1A	0.010	1A	14.9	-	-	-	-
AVE	SUNLAKES	R02B021	1B	1A	7.5	1A	8.6	1A	17.7	1B	75.0	1B	3.6	1A	0.201	1A	0.010	1A	11.4	1A	5.0	1A	29.1
AVE	WHITFORD BRIDGE	R02B001	1B	1A	7.7	1A	8.5	1A	18.9	1B	77.0	1B	3.3	1A	0.208	1A	0.010	1A	10.1	1A	6.0	1A	15.0
AVE	AVE BRIDGE	R02B002	1B	1A	7.3	1A	8.4	1A	18.6	1B	72.8	1B	4.6	1B	0.332	1A	0.010	1A	8.9	1A	7.0	1A	10.0
COLLY	WOODBRIDGE	R02B003	1A	1A	7.3	1A	8.2	1A	16.4	1B	71.6	1B	3.1	1A	0.282	1A	0.010	1A	8.1	-	-	-	-
COLLY	HECHAYNE FARM	R02B005	1A	1A	7.5	1A	8.4	1A	16.7	1A	80.6	2	7.1	1A	0.302	1A	0.010	1A	6.1	-	-	-	-
COLLY	COLLYFORD	R02B006	1A	1A	7.1	1A	8.5	1A	17.0	1A	84.2	1B	3.4	1A	0.164	1A	0.010	1A	5.9	1A	8.2	1A	19.2
UMBORNE BROOK	TRIFFORDS FARM	R02B007	1A	1A	7.5	1A	8.1	1A	16.0	1B	75.5	1B	4.1	1B	0.342	1A	0.010	1A	6.3	-	-	-	-
UMBORNE BROOK	UMBORNE BRIDGE	R02B008	1A	1A	7.6	1A	8.5	1A	16.2	1A	86.5	1B	3.1	1A	0.248	1A	0.010	1A	6.7	1A	32.4	1A	35.2
OFFWELL BROOK	WEST CODWELL	R02B009	1A	1A	7.1	1A	7.6	1A	16.5	1B	78.8	1B	3.3	2	1.432	1A	0.015	1A	7.2	-	-	-	-
OFFWELL BROOK	ROADPITT FARM	R02B010	1B	1A	7.5	1A	8.3	1A	15.8	1A	82.6	1B	4.6	3	1.956	1A	0.020	1A	6.9	1A	36.8	1A	37.6
YARTY	NEWHAVEN BRIDGE	R02C003	1B	1A	7.5	1A	8.3	1A	18.4	1A	82.3	1B	3.9	1A	0.292	1A	0.010	1A	7.6	-	-	-	-
YARTY	LONGBRIDGE	R02C004	1B	1A	7.5	1A	8.4	1A	19.7	1A	84.3	1B	3.9	1B	0.341	1A	0.010	1A	7.1	-	-	-	-
YARTY	BECKFORD BRIDGE	R02C005	1B	1A	7.4	1A	8.2	1A	19.2	1A	81.0	1B	4.6	1B	0.432	1A	0.010	1A	7.5	-	-	-	-
YARTY	A35 BRIDGE GAMMONS HILL	R02C006	1B	1A	7.1	1A	8.4	1A	18.6	1A	84.0	2	7.6	1B	0.347	1A	0.012	1A	11.1	1A	17.7	1A	22.5
CORRY BROOK	ROGE FARM	R02C001	1B	1A	7.3	1A	7.8	1A	18.2	1A	81.1	1A	2.9	1A	0.294	1A	0.010	1A	9.3	-	-	-	-
CORRY BROOK	PRIOR TO RIVER YARTY	R02C002	1B	1A	7.3	1A	8.6	1A	19.0	1B	79.2	1B	3.3	2	0.812	1A	0.010	1A	10.9	1A	8.4	1A	19.3
KIT BROOK	NANFORDS	R02C012	1B	1A	7.6	1A	8.3	1A	16.0	1A	83.2	3	9.7	1A	0.040	1A	0.010	1A	5.5	-	-	-	-
KIT BROOK	AVE FARM	R02C013	1B	1A	7.6	1A	8.6	1A	17.3	1A	82.8	2	5.7	1B	0.442	1A	0.014	1A	16.2	1A	35.2	1A	34.8
BLACKWATER RIVER	BIDDLEWALL	R02C008	1B	1A	7.1	1A	8.0	1A	18.2	1A	82.3	2	5.7	1B	0.495	1A	0.010	1A	12.6	1A	32.8	1A	66.8
FORTON BROOK	B0162 BRIDGE FORTON	R02C010	1B	1A	7.6	1A	8.3	1A	18.0	1A	80.4	1B	3.7	1B	0.463	1A	0.010	1A	13.0	-	-	-	-
FORTON BROOK	TRIMORIN	R02C011	1B	1A	7.7	1A	8.4	1A	17.0	1A	82.1	1B	4.3	1B	0.365	1A	0.010	1A	11.4	1A	11.6	1A	38.8
WINDLEY STREAM	LAMMERHAM	R02C015	1B	1A	7.9	1A	8.5	1A	17.6	1B	72.5	1B	4.8	1B	0.536	1A	0.014	1A	21.0	1A	30.2	1A	188.2
SUNDERFORD	BEERE FARM	R02C014	1B	1A	7.3	1A	8.3	1A	17.0	1A	83.7	1B	4.9	1B	0.368	1A	0.010	1A	13.6	1A	5.0	1A	10.9
TEMPLE BROOK	ORDHILL BRIDGE	R02C018	1B	1A	7.6	1A	8.1	1A	15.7	1B	75.7	2	7.3	2	1.008	1A	0.010	1A	9.2	-	-	-	-
CLAPTON	CLAPTON DAIRY FARM	R02C017	1B	1A	7.9	1A	8.4	1A	15.6	1A	82.4	1B	4.8	1A	0.190	1A	0.010	1A	8.3	-	-	-	-

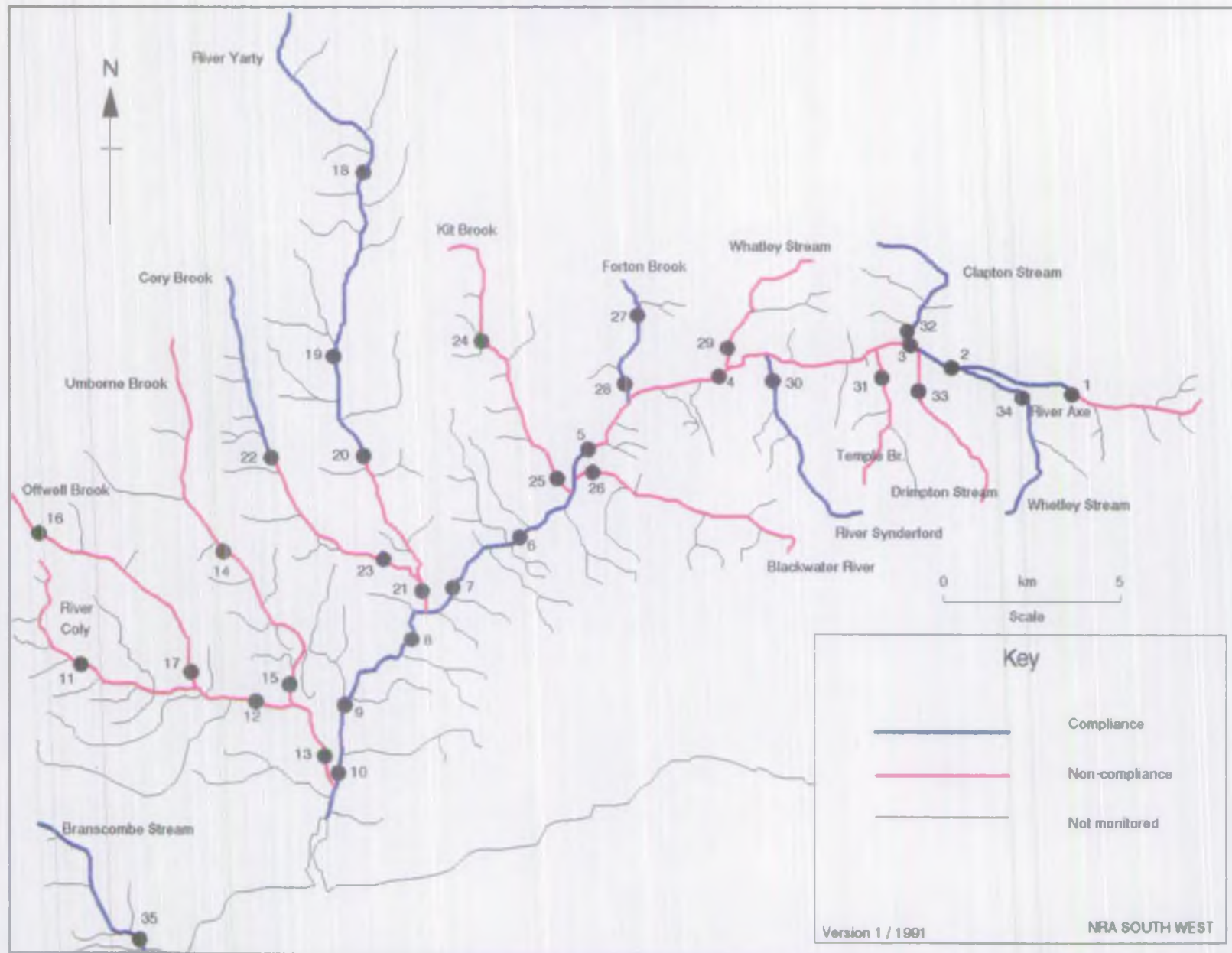
NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
 1991 RIVER WATER QUALITY CLASSIFICATION
 CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT
 CRITERIA: A/E

River	Reach upstream of	User Ref. Number	RQD	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower Class 5tile		pH Upper Class 95tile		Temperature Class 95tile		DO (%) Class 5tile		BOD (RTU) Class 95tile		Total Ammonia Class 95tile		Union. Ammonia Class 95tile		S.Solids Class Mean		Total Copper Class 95tile		Total Zinc Class 95tile	
JAYE	A3066 BRIDGE MORDERION	R02C001	1B	1A	7.9	1A	8.3	1A	18.5	1A	81.8	2	7.3	1B	0.688	3	0.023	1A	15.9	-	-	-	-
JAYE	SENBOROUGH	R02C002	1B	1A	7.7	1A	8.4	1A	19.0	1A	83.9	1B	5.0	1B	0.572	1A	0.010	1A	12.7	-	-	-	-
JAYE	CLAPTON BRIDGE	R02C003	1B	1A	7.7	1A	8.2	1A	17.0	1B	73.0	1B	5.0	1B	0.680	1A	0.010	1A	7.3	-	-	-	-
JAYE	FORDE BRIDGE	R02C004	1B	1A	7.6	1A	8.3	1A	17.5	1B	76.0	2	5.2	1B	0.479	1A	0.010	1A	20.9	-	-	-	-
JAYE	BROOM	R02C005	1B	1A	7.6	1A	8.4	1A	17.0	1B	80.0	2	6.7	1B	0.420	1A	0.010	3	34.2	1A	17.0	1A	50.0
JAYE	A358 BRIDGE WEXCROFT	R02C006	1B	1A	7.7	1A	8.3	1A	17.2	1A	83.8	1B	4.4	1A	0.274	1A	0.010	1A	13.7	-	-	-	-
JAYE	ECW BRIDGE	R02C007	1B	1A	7.7	1A	8.5	1A	19.2	1B	75.7	1B	4.5	1A	0.295	1A	0.010	1A	14.9	-	-	-	-
JAYE	SUMPLAKES	R02B021	1B	1A	7.5	1A	8.6	1A	17.7	1B	75.0	1B	3.6	1A	0.201	1A	0.010	1A	11.4	1A	5.0	1A	29.1
JAYE	WHITFORD BRIDGE	R02B001	1B	1A	7.7	1A	8.5	1A	18.9	1B	77.0	1B	3.3	1A	0.208	1A	0.010	1A	10.1	1A	6.0	1A	15.0
JAYE	JAYE BRIDGE	R02B002	1B	1A	7.3	1A	8.4	1A	18.6	1B	72.8	1B	4.6	1B	0.332	1A	0.010	1A	8.9	1A	7.0	1A	10.0
COLY	WOLTERIDGE	R02B003	1A	1A	7.3	1A	8.2	1A	16.4	1B	71.6	1B	3.0	1A	0.282	1A	0.010	1A	8.1	-	-	-	-
COLY	HEATHVALE FARM	R02B005	1A	1A	7.5	1A	8.4	1A	16.7	1A	80.6	2	7.1	1A	0.302	1A	0.010	1A	6.1	-	-	-	-
COLY	COLYFORD	R02B006	1A	1A	7.1	1A	8.5	1A	17.0	1A	84.2	1B	3.4	1A	0.164	1A	0.010	1A	5.9	1A	8.2	1A	19.2
UMBORNE BROOK	TROPPFORDS FARM	R02B007	1A	1A	7.5	1A	8.1	1A	16.0	1B	75.5	1B	4.1	1B	0.342	1A	0.010	1A	6.3	-	-	-	-
UMBORNE BROOK	UMBORNE BRIDGE	R02B008	1A	1A	7.6	1A	8.5	1A	16.2	1A	86.5	1B	3.0	1A	0.248	1A	0.010	1A	6.7	1A	32.4	1A	35.2
OPFELL BROOK	WEST ODFELL	R02B009	1A	1A	7.1	1A	7.6	1A	16.5	1B	78.8	1B	3.3	2	1.432	1A	0.015	1A	7.2	-	-	-	-
OPFELL BROOK	ROADPITT FARM	R02B010	1B	1A	7.5	1A	8.3	1A	15.8	1A	82.6	1B	4.6	3	1.956	1A	0.020	1A	6.9	1A	36.8	1A	37.6
YARTY	NEWHAVEN BRIDGE	R02D003	1B	1A	7.5	1A	8.3	1A	18.4	1A	82.3	1B	3.9	1A	0.292	1A	0.010	1A	7.6	-	-	-	-
YARTY	LONGERIDGE	R02D004	1B	1A	7.5	1A	8.4	1A	19.7	1A	84.3	1B	3.9	1B	0.341	1A	0.010	1A	7.1	-	-	-	-
YARTY	BECKFORD BRIDGE	R02D005	1B	1A	7.4	1A	8.2	1A	19.2	1A	81.0	1B	4.6	1B	0.432	1A	0.010	1A	7.5	-	-	-	-
YARTY	A35 BRIDGE GIMMENS HILL	R02D006	1B	1A	7.1	1A	8.4	1A	18.6	1A	84.0	2	7.6	1B	0.347	1A	0.012	1A	11.1	1A	17.7	1A	22.5
CORRY BROOK	ROSE FARM	R02D001	1B	1A	7.3	1A	7.8	1A	18.2	1A	81.1	1A	2.9	1A	0.294	1A	0.010	1A	9.3	-	-	-	-
CORRY BROOK	BRIDG TO RIVER YARTY	R02D002	1B	1A	7.3	1A	8.6	1A	19.0	1B	79.2	1B	3.3	2	0.812	1A	0.010	1A	10.9	1A	8.4	1A	19.3
KET BROOK	BARFORDS	R02C012	1B	1A	7.6	1A	8.3	1A	16.0	1A	83.2	3	9.7	1A	0.040	1A	0.010	1A	5.5	-	-	-	-
KET BROOK	JAYE FARM	R02C013	1B	1A	7.6	1A	8.6	1A	17.3	1A	82.8	2	5.7	1B	0.442	1A	0.014	1A	16.2	1A	35.2	1A	34.8
BLACKWATER RIVER	BULLDENWALL	R02C008	1B	1A	7.1	1A	8.0	1A	18.2	1A	82.3	2	5.7	1B	0.495	1A	0.010	1A	12.6	1A	32.8	1A	66.8
FORTON BROOK	B3162 BRIDGE FORTON	R02C010	1B	1A	7.6	1A	8.3	1A	18.0	1A	80.4	1B	3.7	1B	0.463	1A	0.010	1A	13.0	-	-	-	-
FORTON BROOK	TRIMWORTH	R02C011	1B	1A	7.7	1A	8.4	1A	17.0	1A	82.1	1B	4.3	1B	0.365	1A	0.010	1A	11.4	1A	31.6	1A	38.8
WROLEY STREAM	JAMMERHAM	R02C015	1B	1A	7.9	1A	8.5	1A	17.6	1B	72.5	1B	4.8	1B	0.536	1A	0.014	1A	21.0	1A	30.2	1A	188.2
SUNDERFORD	BEERE FARM	R02C014	1B	1A	7.3	1A	8.3	1A	17.0	1A	83.7	1B	4.9	1B	0.368	1A	0.010	1A	13.6	1A	5.0	1A	10.9
TEMPLE BROOK	OPHILL BRIDGE	R02C016	1B	1A	7.6	1A	8.1	1A	15.7	1B	75.7	2	7.3	2	1.008	1A	0.010	1A	9.2	-	-	-	-
CLAPTON	CLAPTON DAIRY FARM	R02C017	1B	1A	7.9	1A	8.4	1A	15.6	1A	82.4	1B	4.8	1A	0.190	1A	0.010	1A	8.3	-	-	-	-

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

River	Reach upstream of	User Ref. Number	RQD	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower Class 5tile		pH Upper Class 95tile		Temperature Class 95tile		DO (%) Class 5tile		BOD (ATU) Class 95tile		Total Ammonia Class 95tile		Union. Ammonia Class 95tile		S.Solids Class Mean		Total Copper Class 95tile		Total Zinc Class 95tile	
DRUMPTON STREAM	NEITHERWAY	R02C009	1B	1A	7.8	1A	8.2	1A	16.7	1B	73.7	2	5.9	1B	0.647	1A	0.010	1A	7.9	1A	7.9	1A	9.9
WHEILEY STREAM	FOTWELL FARM	R02C016	1B	1A	7.6	1A	8.2	1A	17.0	1B	73.1	2	8.5	1B	0.563	1A	0.010	1A	8.7	1A	6.0	1A	12.9
BRANSCOMBE STREAM	BRANSCOMBE MOUTH	R02A001	1B	1A	7.7	1A	8.3	1A	15.9	1A	85.8	1B	4.0	1A	0.114	1A	0.010	1A	12.7	-	-	-	-

Axe 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)

CRITERION: AVE

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
AXE	A3066 BRIDGE MOSTERTON	RO2C001	38	-	38	-	38	-	38	1	38	3	38	1	37	1	38	6	0	-	0	-
AXE	SEABROUGH	RO2C002	38	-	38	-	38	-	38	-	38	1	38	-	38	-	38	2	0	-	0	-
AXE	CLAPTON BRIDGE	RO2C003	39	-	39	-	39	-	39	-	39	1	39	1	39	-	39	1	1	-	1	-
AXE	FORCE BRIDGE	RO2C004	40	-	40	-	40	-	39	-	40	2	40	1	39	-	40	5	0	-	0	-
AXE	BROOM	RO2C005	39	-	39	-	39	-	39	-	39	2	39	-	38	-	39	5	39	-	39	-
AXE	A358 BRIDGE WEXCROFT	RO2C006	38	-	38	-	38	-	38	-	37	1	38	-	36	-	38	3	0	-	0	-
AXE	BOW BRIDGE	RO2C007	37	-	37	-	37	-	37	1	37	1	37	-	34	-	37	3	0	-	0	-
AXE	SLEMLAKES	RO2B021	32	-	32	-	31	-	29	-	32	-	32	-	30	-	32	4	26	-	26	-
AXE	WELTFORD BRIDGE	RO2B001	83	-	83	-	81	-	79	-	83	2	83	-	76	-	83	8	83	-	83	-
AXE	AXE BRIDGE	RO2B002	38	-	38	-	38	-	38	-	38	1	38	-	38	-	38	4	12	-	12	-
COLLY	WOODBRIDGE	RO2B003	31	-	31	-	31	-	31	3	31	1	31	-	29	-	31	1	0	-	0	-
COLLY	HEATHWAYNE FARM	RO2B005	31	-	31	-	31	-	31	-	31	5	31	1	30	-	31	-	0	-	0	-
COLLY	COLDFORD	RO2B006	38	-	38	-	38	-	37	1	38	2	38	-	34	-	38	1	38	-	38	-
UMBORNE BROOK	TRIFFORDS FARM	RO2B007	31	-	31	-	30	-	29	2	31	6	31	2	30	-	31	-	1	-	1	-
UMBORNE BROOK	UMBORNE BRIDGE	RO2B008	31	-	31	-	30	-	29	-	31	1	31	-	27	-	31	-	27	-	27	-
OFFWELL BROOK	WEST CODWELL	RO2B009	31	-	31	-	32	-	32	1	32	1	32	2	29	-	32	1	0	-	0	-
OFFWELL BROOK	ROADPITT FARM	RO2B010	31	-	31	-	31	-	31	-	31	1	31	1	29	1	31	1	27	-	27	-
YARTY	NEWHAVEN BRIDGE	RO2C003	32	-	32	-	32	-	32	-	32	-	32	-	30	-	32	1	0	-	0	-
YARTY	LONGBRIDGE	RO2C004	32	-	32	-	32	-	32	-	32	1	32	-	31	-	32	-	0	-	0	-
YARTY	BECKFORD BRIDGE	RO2C005	31	-	31	-	31	-	31	-	31	1	31	1	26	-	31	2	0	-	0	-
YARTY	A35 BRIDGE GAMMONS HILL	RO2C006	38	-	38	-	38	-	38	-	38	2	38	1	36	-	38	4	38	-	38	-
CORRY BROOK	ROSE FARM	RO2D001	30	-	30	-	30	-	30	-	30	-	30	-	30	-	30	1	0	-	0	-
CORRY BROOK	RIEOR TO RIVER YARTY	RO2D002	38	-	38	-	38	-	38	-	38	-	38	2	37	-	37	3	32	-	32	-
KIT BROOK	NARFORDS	RO2C012	31	-	31	-	31	-	30	-	31	1	31	-	25	-	31	1	0	-	0	-
KIT BROOK	AXE FARM	RO2C013	33	-	33	-	33	-	32	-	33	1	33	1	31	-	33	3	27	-	27	-
BLACKWATER RIVER	BIDDLEWELL	RO2C008	32	-	32	-	32	-	32	-	32	1	32	-	29	-	32	3	27	1	27	-
FORTON BROOK	B3162 BRIDGE FORTON	RO2C010	32	-	32	-	32	-	31	-	32	-	32	-	32	-	32	5	5	-	5	-
FORTON BROOK	TRINORDH	RO2C011	34	-	34	-	34	-	32	-	34	-	34	-	34	-	34	2	28	-	28	-
WHILEY STREAM	AMMERHAM	RO2C015	33	-	33	-	33	-	32	1	33	1	33	1	32	-	33	3	21	-	21	-
SINDERSFORD	BEERE FARM	RO2C014	33	-	33	-	33	-	32	-	33	1	33	-	30	-	33	4	21	-	21	-
TEMPLE BROOK	ORRHILL BRIDGE	RO2C018	31	-	31	-	30	-	30	-	31	6	31	2	30	-	31	1	0	-	0	-
CLAPTON	CLAPTON DAIRY FARM	RO2C017	31	-	31	-	31	-	31	-	31	1	31	-	30	-	31	-	0	-	0	-

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

1991 RIVER WATER QUALITY CLASSIFICATION

NUMBER OF SAMPLES (N) AND NUMBER OF SAMPLES EXCEEDING QUALITY STANDARD (F)

CATCHMENT: AVE

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
DRUMPTON STREAM	NEITHERHAY	R02C009	32	-	32	-	32	-	32	-	32	2	32	-	32	-	32	-	20	-	20	-
WHEATLEY STREAM	ROTWELL FARM	R02C016	32	-	32	-	32	-	32	-	32	3	32	-	30	-	32	-	20	-	20	-
BRANSCOMBE STREAM	BRANSCOMBE MOUTH	R02N001	22	-	22	-	22	-	22	-	22	-	22	-	21	-	22	1	2	-	2	-

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

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
AXE	A3066 BRIDGE MOSTERTON	R02C001	-	-	-	-	45	-	10	-	-	-
AXE	SEABOROUGH	R02C002	-	-	-	-	-	-	-	-	-	-
AXE	CLAPTON BRIDGE	R02C003	-	-	-	-	-	-	-	-	-	-
AXE	FORDE BRIDGE	R02C004	-	-	-	-	5	-	-	-	-	-
AXE	BROOM	R02C005	-	-	-	-	34	-	-	37	-	-
AXE	A358 BRIDGE WEYCROFT	R02C006	-	-	-	-	-	-	-	-	-	-
AXE	BOW BRIDGE	R02C007	-	-	-	-	-	-	-	-	-	-
AXE	SLYMLAKES	R02B021	-	-	-	-	-	-	-	-	-	-
AXE	WHITFORD BRIDGE	R02B001	-	-	-	-	-	-	-	-	-	-
AXE	AXE BRIDGE	R02B002	-	-	-	-	-	-	-	-	-	-
COLY	WOODBIDGE	R02B003	-	-	-	11	1	-	-	-	-	-
COLY	HEATHWAYNE FARM	R02B005	-	-	-	-	135	-	-	-	-	-
COLY	COLYFORD	R02B006	-	-	-	-	13	-	-	-	-	-
UMBORNE BROOK	TRIPFORDS FARM	R02B007	-	-	-	6	37	10	-	-	-	-
UMBORNE BROOK	UMBORNE BRIDGE	R02B008	-	-	-	-	1	-	-	-	-	-
OFFWELL BROOK	WEST COLWELL	R02B009	-	-	-	2	10	362	-	-	-	-
OFFWELL BROOK	ROADPITT FARM	R02B010	-	-	-	-	-	179	-	-	-	-
YARTY	NEWHAVEN BRIDGE	R02D003	-	-	-	-	-	-	-	-	-	-
YARTY	LONGBRIDGE	R02D004	-	-	-	-	-	-	-	-	-	-
YARTY	BECKFORD BRIDGE	R02D005	-	-	-	-	-	-	-	-	-	-
YARTY	A35 BRIDGE GAMMONS HILL	R02D006	-	-	-	-	51	-	-	-	-	-
CORRY BROOK	ROSE FARM	R02D001	-	-	-	-	-	-	-	-	-	-
CORRY BROOK	PRIOR TO RIVER YARTY	R02D002	-	-	-	-	-	16	-	-	-	-
KIT BROOK	NARFORDS	R02C012	-	-	-	-	94	-	-	-	-	-
KIT BROOK	AXE FARM	R02C013	-	-	-	-	13	-	-	-	-	-
BLACKWATER RIVER	BUDDLEWALL	R02C008	-	-	-	-	14	-	-	-	-	-
FORTON BROOK	B3162 BRIDGE FORTON	R02C010	-	-	-	-	-	-	-	-	-	-
FORTON BROOK	TATWORTH	R02C011	-	-	-	-	-	-	-	-	-	-
WHATLEY STREAM	AMMERHAM	R02C015	-	-	-	-	-	-	-	-	-	-
SYNDERFORD	BEERE FARM	R02C014	-	-	-	-	-	-	-	-	-	-
TEMPLE BROOK	OATHILL BRIDGE	R02C018	-	-	-	-	46	44	-	-	-	-
CLAPTON	CLAPTON DAIRY FARM	R02C017	-	-	-	-	-	-	-	-	-	-

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

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
DRIMPTON STREAM	NETHERWAY	R02C009	-	-	-	-	17	-	-	-	-	-
WHETLEY STREAM	POTWELL FARM	R02C016	-	-	-	-	71	-	-	-	-	-
BRANSCOMBE STREAM	BRANSCOMBE MOUTH	R02A001	-	-	-	-	-	-	-	-	-	-