Environmental Protection Report

River Teign Catchment River Water Quality Classification 1991

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RIVER WATER QUALITY IN THE RIVER TEIGN CATCHMENT

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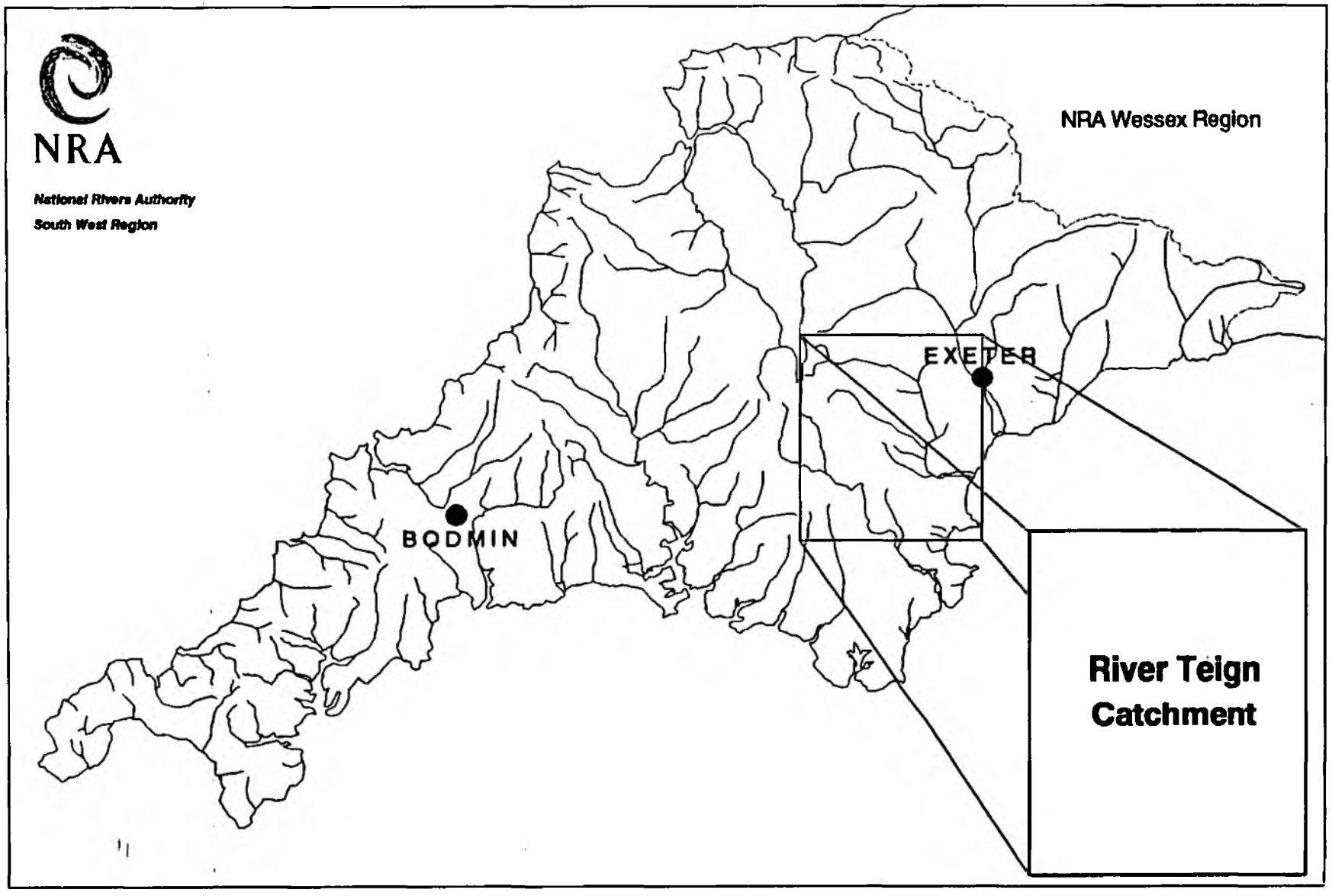


River Teign Catchment

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 Teign catchment.

2. RIVER TEIGN CATCHMENT

The River Teign flows over a distance of 50.8 km from its source to the tidal limit, (Appendix 8.1). Water quality was monitored at nine locations on the main river; eight sites were sampled at approximately monthly intervals and the site at Preston, which is a National Water Quality monitoring site, was sampled fortnightly.

The Blatchford Stream flows over a distance of 4.3 km from its source to the tidal limit, (Appendix 8.1) and was monitored at two locations at approximately monthly intervals.

The River Lemon flows over a distance of 15.3 km from its source to the tidal limit, (Appendix 8.1) and was monitored at three locations at approximately monthly intervals.

The Aller Brook flows over a distance of 7.9 km from its source to the tidal limit, (Appendix 8.1) and was monitored at four locations at approximately monthly intervals.

Throughout the Teign catchment twelve secondary tributaries and four tertiary tributaries of the River Teign were monitored. In addition Fernworthy and Trenchford Reservoirs were monitored at one location at approximately monthly intervals.

2.1 SECONDARY TRIBUTARIES

The South Teign River, including Fernworthy Reservoir, flows over a distance of 6.3 km from its source to the confluence with the River Teign, (Appendix 8.1). Both the South Teign River and Fernworthy Reservoir were monitored at one location each at approximately monthly intervals.

Fingle Brook (7 km), Sowton Brook (6.4 km), Bramble Brook (6.5 km), Reedy Brook (5.2 km), Scotley Brook (5.3 km), Kate Brook (3.8 km) and Liverton Brook (9.1 km) were all monitored at approximately monthly intervals at one location between their source and confluence with the River Teign, (Appendix 8.1).

Rookery Brook (4.9 km) and Ugbrooke Stream (8.4 km) were both monitored at approximately monthly intervals at two locations between their source and confluence with the River Teign, (Appendix 8.1).

Beadon Brook including Trenchford Reservoir, flows over a distance of 8.3 km from its source to the confluence with the River Teign, (Appendix 8.1) and was monitored at three locations at approximately monthly intervals.

The River Bovey flows over a distance of 26.7 km from its source to the confluence with the River Teign, (Appendix 8.1) and was monitored at four locations at approximately monthly intervals.

2.2 TERTIARY TRIBUTARIES

Blackaton Brook flows over a distance of 9 km from its source to the confluence with the North Teign River, (Appendix 8.1) and was monitored at one site at approximately monthly intervals.

Becka Brook flows over a distance of 6.3 km from its source to the confluence with the River Bovey, (Appendix 8.1) and was sampled at one location at approximately monthly intervals.

Wray Brook flows over a distance of 10.6 km from its source to the confluence with the River Bovey, (Appendix 8.1) and was sampled at two locations at approximately monthly intervals.

Sandygate Stream flows over a distance of 7.6 km from its source to the confluence with the Ugbrooke Stream, (Appendix 8.1) and was monitored at one location at approximately monthly intervals.

Kennick and Tottiford Reservoirs were both monitored at one location at approximately monthly intervals.

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 Teign 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

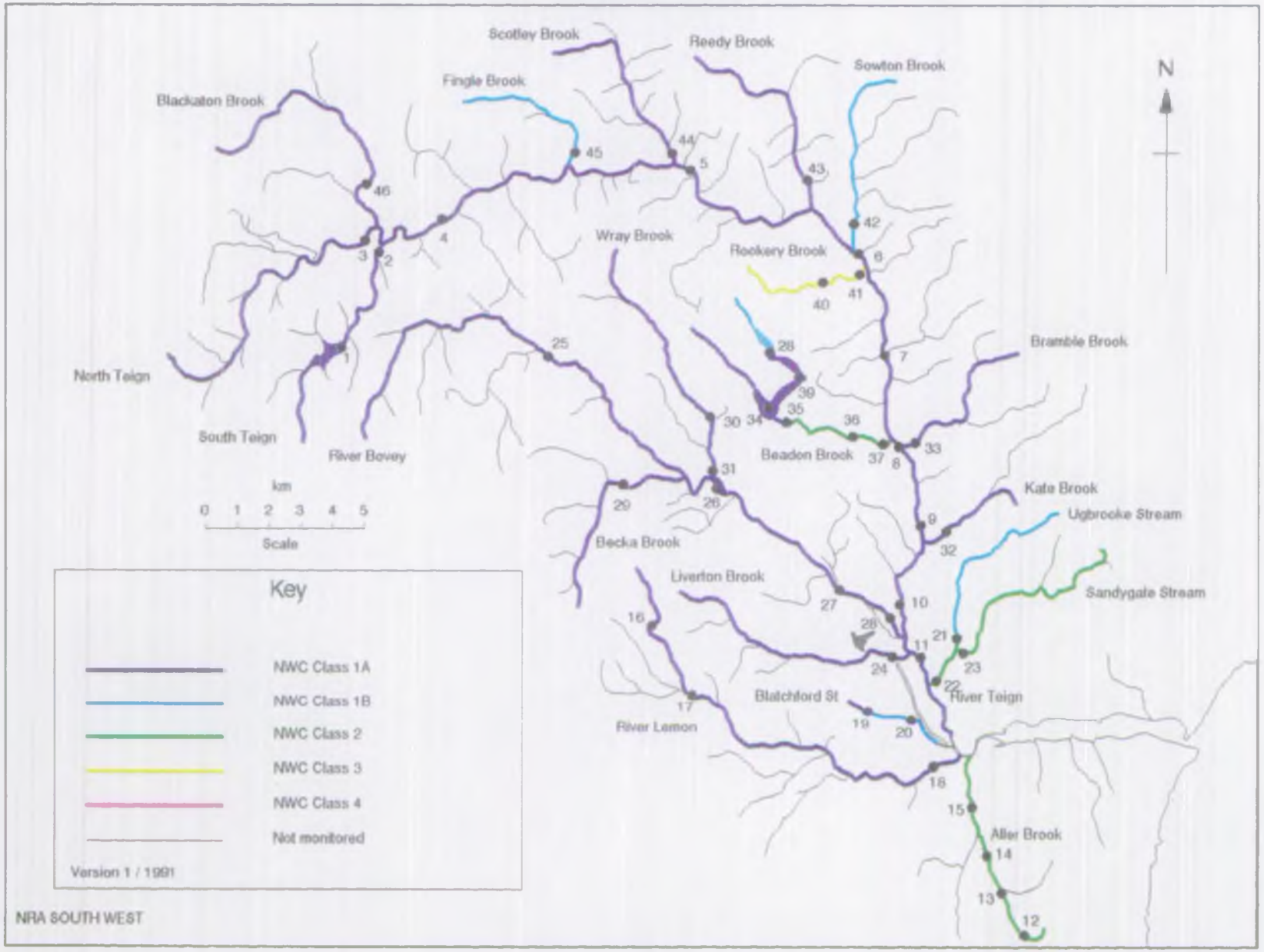
Reference

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.

Teign 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

APPENDIX

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 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
	DO greater than 10% saturation			Insignificant watercourses and ditches not usable, where the objective is simply to prevent nuisance developing

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

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

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

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

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

** Ammonia Conversion Factors

(mg NH_4/l to mg N/l)

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

NWC RIVER CLASSIFICATION SYSTEM

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

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

STATISTICS USED BY NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

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

NWC RIVER CLASSIFICATION SYSTEM

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

SOLUBLE COPPER

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

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

TOTAL ZINC

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

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

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
	SOUTH TEIGN RIVER	INFLOW, FERNWORTHY RES. (UNMON. REACH)			1.5	1.5	1A	1A	2	1A	1A	1A	U	U
1	SOUTH TEIGN RIVER	FERNWORTHY RESERVOIR	R06C051	SX 6670 8415	0.6	2.1	1A	1A	2	1A	1A	1A	1A	2
2	SOUTH TEIGN RIVER	LEIGH BRIDGE	R06C001	SX 6831 8763	4.2	6.3	1A	1A	2	1A	1A	1A	1A	1B
3	NORTH TEIGN RIVER	GIDLEIGH PARK HOTEL	R06C002	SX 6775 8791	10.7	10.7	1A	1A	2	1A	1A	2	2	2
4	TEIGN	RUSHFORD	R06C003	SX 7048 8823	4.1	14.8	1A	1A	2	1A	1A	1A	2	2
5	TEIGN	CLIFFORD BRIDGE	R06C004	SX 7809 8979	9.7	24.5	1A	1A	2	1A	1A	1A	1A	1B
6	TEIGN	BRIDFORD BRIDGE	R06C005	SX 8343 8723	7.7	32.2	1A	1B	1B	1B	1B	1A	1A	1B
7	TEIGN	SPARA BRIDGE	R06C037	SX 8435 8408	3.8	36.0	1A	1B	2	2	1A	1A	1B	3
8	TEIGN	CROCOMBE BRIDGE	R06C006	SX 8485 8115	3.5	39.5	1A	1B	2	2	1A	1A	1A	1B
9	TEIGN	CHUDLEIGH BRIDGE	R06C007	SX 8575 7847	3.4	42.9	1A	1A	1B	1A	1A	1B	1B	1B
10	TEIGN	NEW BRIDGE	R06C008	SX 8490 7652	2.7	45.6	1A	1A	1B	1A	1A	1B	2	1B
11	TEIGN	PRESTON	R06B001	SX 8550 7452	2.5	48.1	1A	1A	1A	1A	1A	1B	1B	1B
	TEIGN	NORMAL TIDAL LIMIT (INFERRED STRETCH)			2.7	50.8	1A	1A	1A	1A	1A	1B	1B	1B
12	ALLER BROOK	EDGINSWELL PUMPING STATION	R06A001	SX 8932 6625	1.2	1.2	2	3	3	2	3	3	3	2
13	ALLER BROOK	MANOR DRIVE KINGSKERSWELL	R06A002	SX 8801 6735	1.9	3.1	2	2	3	1B	1B	1B	1B	3
14	ALLER BROOK	ALLER ORCHARD	R06A003	SX 8755 6900	1.9	5.0	2	2	4	3	3	3	3	3
15	ALLER BROOK	PENNINN NEWTON ABBOT	R06A004	SX 8705 7060	1.8	6.8	2	2	2	3	3	3	3	3
	ALLER BROOK	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.1	7.9	2	2	2	3	3	3	3	3
16	LEMON	BAGATOR MILL	R06B003	SX 7690 7556	2.4	2.4	1A	1A	1A	2	2	2	3	1B
17	LEMON	BELOW CONFLUENCE WITH RIVER SIG	R06B004	SX 7790 7355	2.4	4.8	1A	1A	1A	2	2	2	1B	1A
18	LEMON	BRADLEY PLAYING FIELDS NEWTON ABBOT	R06B005	SX 8532 7099	9.4	14.2	1A	1A	1A	1B	1B	1B	2	1B
	LEMON	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.1	15.3	1A	1A	1A	1B	1B	1B	2	1B
19	BLATCHFORD STREAM	PERRY FARM	R06B006	SX 8360 7287	0.9	0.9	1A						1B	1A
20	BLATCHFORD STREAM	BLATCHFORD	R06B007	SX 8550 7301	2.3	3.2	1B						3	3
	BLATCHFORD STREAM	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.1	4.3	1B						3	3
21	UGBROOKE STREAM	HIGHER SANDYGATE	R06B012	SX 8672 7513	6.5	6.5	1B	3					2	1B
22	UGBROOKE STREAM	PRIOR TO RIVER TEIGN	R06B013	SX 8575 7375	1.8	8.3	2	3					3	3
	UGBROOKE STREAM	TEIGN CONFLUENCE (INFERRED STRETCH)			0.1	8.4	2	3					3	3
23	SANDYGATE STREAM	NEW CROSS KINGSTEIGNTON	R06B010	SX 8679 7483	7.4	7.4	2						2	1B
	SANDYGATE STREAM	UGBROOKE CONFLUENCE (INFERRED STRETCH)			0.2	7.6	2						2	1B
24	LIVERTON BROOK	VENTIFORD BRIDGE	R06B050	SX 8475 7475	8.8	8.8	1A						1B	1B
	LIVERTON BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)			0.3	9.1	1A						1B	1B
25	BOVEY	BLACKALLER NORTH BOVEY	R06D001	SX 7376 8375	9.6	9.6	1A	1A	1A	1A	1A	1A	1B	1B
26	BOVEY	DRAKEFORD BRIDGE	R06D002	SX 7893 8015	8.1	17.7	1A	1A	1A	1A	1A	1A	1A	1B
27	BOVEY	LITTLE BOVEY	R06D003	SX 8320 7672	6.5	24.2	1A	1A	1B	1B	1B	1B	1B	1B
28	BOVEY	TWINYEO FARM	R06D004	SX 8447 7605	1.6	25.8	1A	1A	1B	1B	1B	1B	1A	3
	BOVEY	TEIGN CONFLUENCE (INFERRED STRETCH)			0.9	26.7	1A	1A	1B	1B	1B	1B	1A	3

Appendix 8.5

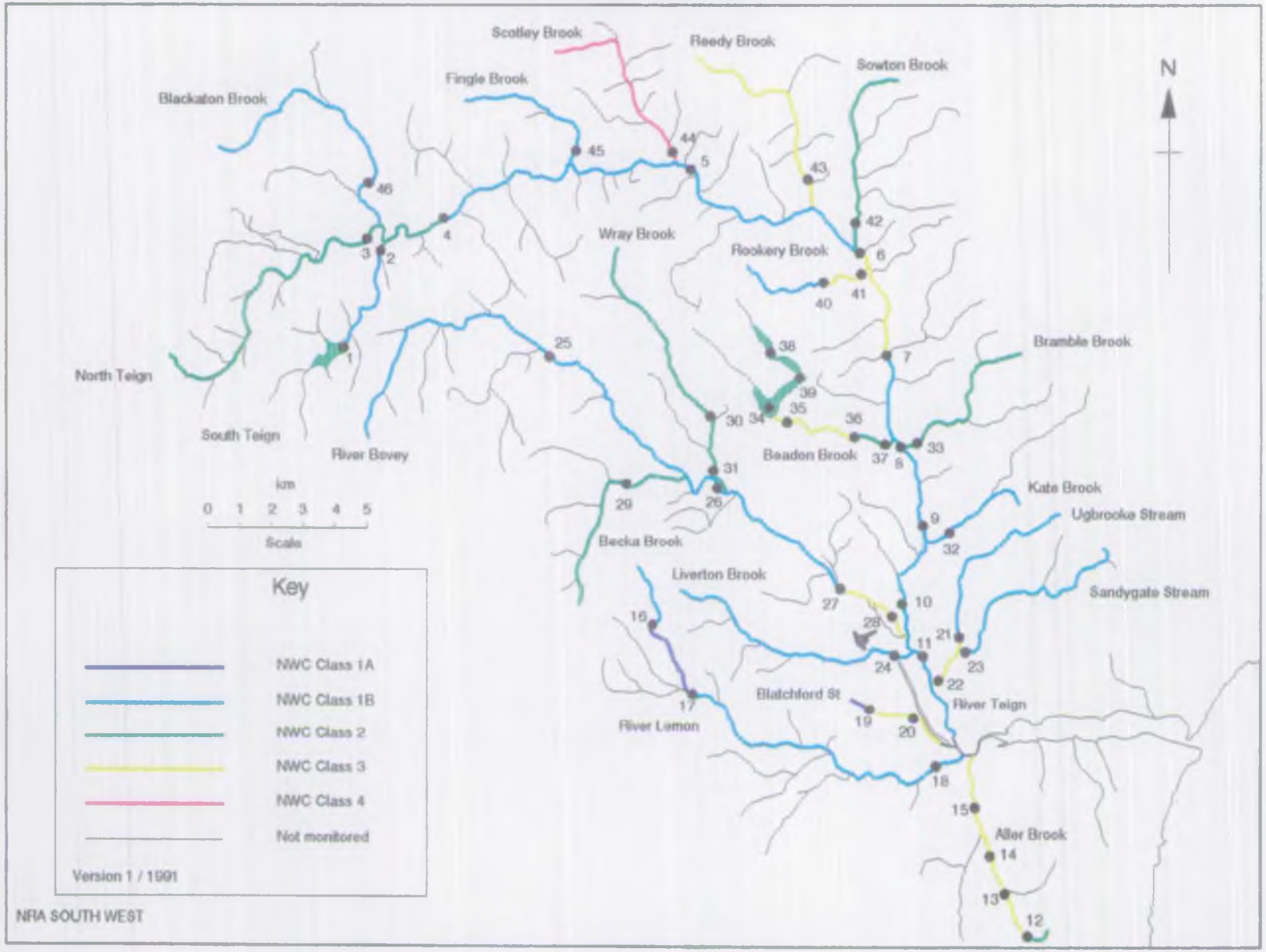
NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION
1991 RIVER WATER QUALITY CLASSIFICATION
CATCHMENT: TEIGN

1991 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
29	BECKA BROOK	GIFT SHOP FOOTBRIDGE	R06D012	SX 7604 8010
	BECKA BROOK	BOVEY CONFLUENCE (INFERRED STRETCH)		
30	WRAY BROOK	CASELY COURT	R06D008	SX 7858 8225
31	WRAY BROOK	KNOWLE	R06D011	SX 7888 8024
	WRAY BROOK	BOVEY CONFLUENCE (INFERRED STRETCH)		
32	KATE BROOK	CHUDLEIGH	R06C055	SX 8595 7853
	KATE BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
33	BRAMBLE BROOK	PRIOR TO RIVER TEIGN	R06C011	SX 8491 8124
	BRAMBLE BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
	BEADON BROOK	INFLOW, TRENCHFORD RES. (UNMON. REACH)		
34	BEADON BROOK	TRENCHFORD RESERVOIR	R06C050	SX 8064 8288
35	BEADON BROOK	TOTTIFORD HOUSE	R06C009	SX 8084 8228
36	BEADON BROOK	HYNER BRIDGE	R06C010	SX 8368 8170
37	BEADON BROOK	PRIOR TO RIVER TEIGN	R06C040	SX 8428 8170
	BEADON BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
	KENNICK STREAM	INFLOW, KENNICK RES. (UNMON. STRETCH)		
38	KENNICK STREAM	KENNICK RESERVOIR	R06C048	SX 8068 8388
	KENNICK STREAM	INFLOW, TOTTIFORD RES. (UNMON. STRETCH)		
39	KENNICK STREAM	TOTTIFORD RESERVOIR	R06C049	SX 8106 8271
40	ROOKERY BROOK	ABOVE BARYTES MINE	R06C013	SX 8300 8632
41	ROOKERY BROOK	PRIOR TO RIVER TEIGN	R06C014	SX 8376 8671
	ROOKERY BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
42	SOWTON BROOK	SOWTON BRIDGE	R06C015	SX 8338 8745
	SOWTON BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
43	REEDY BROOK	REEDY BRIDGE	R06C054	SX 8199 8930
	REEDY BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
44	SCOTLEY BROOK	CLIFFORD BARTON	R06C057	SX 7772 9008
45	FINGLE BROOK	FINGLE BRIDGE	R06C053	SX 7433 9000
	FINGLE BROOK	TEIGN CONFLUENCE (INFERRED STRETCH)		
46	BLACKATON BROOK	CHAPPLE	R06C052	SX 6782 8900
	BLACKATON BROOK	NORTH TEIGN CONFL. (INFERRED STRETCH)		

Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class	91 NWC Class
4.2	4.2	1A	1A					1B	2
2.1	6.3	1A	1A					1B	2
7.5	7.5	1A	1A					2	2
2.7	10.2	1A	1A					1B	2
0.4	10.6	1A	1A					1B	2
3.6	3.6	1A						1B	1B
0.2	3.8	1A						1B	1B
6.4	6.4	1A	1A	1A	1A	1A	1A	1B	2
0.1	6.5	1A	1A	1A	1A	1A	1A	1B	2
3.0	3.0	1A	1B	3	3	3	3	U	U
0.8	3.8	1A	1B	3	3	3	3	2	2
0.2	4.0	1A	1B	3	3	3	3	3	3
3.4	7.4	2	3	3	3	3	3	1A	3
0.8	8.2	2	3	3	3	3	3	1B	2
0.1	8.3	2	3	3	3	3	3	1B	2
1.5	1.5	1B						U	U
1.3	2.8	1B						1B	2
0.1	2.9	1B						U	U
1.1	4.0	1B						1A	2
3.9	3.9	3	3	1B	1B	1A	1A	1A	1B
0.9	4.8	3	4	3	3	3	3	3	3
0.1	4.9	3	4	3	3	3	3	3	3
6.1	6.1	1B	1B	1B	1B	1B	2	2	2
0.3	6.4	1B	1B	1B	1B	1B	2	2	2
4.7	4.7	1A						3	3
0.5	5.2	1A						3	3
5.3	5.3	1A						3	4
7.0	7.0	1B						2	1B
0.0	7.0	1B						2	1B
7.5	7.5	1A						1B	1B
1.5	9.0	1A						1B	1B

Appendix 8.5

Teign 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: TEIGN

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
SOUTH TEIGN RIVER	FERNWORTHY RESERVOIR	R06C051	1A	1A	5.3	1A	7.2	1A	18.9	2	59.8	1A	1.6	1A	0.091	1A	0.010	1A	5.9	1A	5.0	1A	6.9
SOUTH TEIGN RIVER	LEIGH BRIDGE	R06C001	1A	1A	5.8	1A	7.5	1A	16.2	1B	64.4	1A	1.9	1A	0.022	1A	0.010	1A	3.2	1A	7.1	1A	34.8
NORTH TEIGN RIVER	GIDLEIGH PARK HOTEL	R06C002	1A	1A	5.2	1A	7.2	1A	16.8	1A	88.8	1A	1.8	1A	0.032	1A	0.010	1A	1.6	2	6.4	1A	28.4
TEIGN	RUSHFORD	R06C003	1A	1A	6.0	1A	7.4	1A	16.0	2	55.8	1B	4.4	1A	0.112	1A	0.010	1A	2.6	1A	5.0	1A	12.0
TEIGN	CLIFFORD BRIDGE	R06C004	1A	1A	6.6	1A	7.5	1A	17.7	1B	73.9	1A	2.0	1A	0.064	1A	0.010	1A	2.7	-	-	-	-
TEIGN	BRIDFORD BRIDGE	R06C005	1A	1A	6.7	1A	7.5	1A	18.2	1B	79.8	1A	2.7	1A	0.131	1A	0.010	1A	4.4	1A	9.7	1A	20.0
TEIGN	SPARA BRIDGE	R06C037	1A	1A	6.7	1A	7.4	1A	17.3	3	38.8	1A	2.2	1A	0.072	1A	0.010	1A	4.0	1A	9.8	1A	95.0
TEIGN	CROCOMBE BRIDGE	R06C006	1A	1A	6.8	1A	7.8	1A	16.7	1B	67.5	1A	2.8	1A	0.044	1A	0.010	1A	3.3	1A	6.0	1A	95.1
TEIGN	CHUDLEIGH BRIDGE	R06C007	1A	1A	6.8	1A	7.8	1A	17.2	1B	77.1	1B	3.1	1A	0.070	1A	0.010	1A	7.3	1A	8.6	1A	106.6
TEIGN	NEW BRIDGE	R06C008	1A	1A	7.0	1A	7.8	1A	18.1	1B	73.6	1A	2.9	1A	0.087	1A	0.010	1A	6.9	1A	11.4	1A	111.0
TEIGN	PRESTON	R06B001	1A	1A	7.0	1A	7.8	1A	17.0	1A	80.1	1B	3.4	1A	0.098	1A	0.010	1A	17.4	1A	14.0	1A	60.4
ALLER BROOK	EGGINSHELL PUMPING STATION	R06A001	2	1A	7.4	1A	8.2	1A	17.0	2	49.0	2	7.9	1B	0.489	1A	0.010	1A	16.8	-	-	-	-
ALLER BROOK	MANOR DRIVE KINGSKERSWELL	R06A002	2	1A	7.7	1A	8.3	1A	16.5	1A	80.1	1B	3.3	1A	0.187	1A	0.010	3	26.1	1A	50.0	1A	50.0
ALLER BROOK	ALLER ORCHARD	R06A003	2	1A	7.6	1A	8.2	1A	16.9	1B	66.1	2	7.1	3	2.940	3	0.060	3	33.4	-	-	-	-
ALLER BROOK	PENNINN NEWTON ABBOT	R06A004	2	1A	7.8	1A	8.2	1A	17.0	1B	75.1	2	8.2	2	1.174	3	0.030	3	46.9	-	-	-	-
LEMON	BAGTOR MILL	R06B003	1A	1A	6.6	1A	7.6	1A	14.5	1B	62.2	1A	2.0	1A	0.047	1A	0.010	1A	2.5	1A	6.4	1A	9.8
LEMON	BELOW CONFLUENCE WITH RIVER SID	R06B004	1A	1A	6.6	1A	7.6	1A	15.0	1A	83.2	1A	2.7	1A	0.060	1A	0.010	1A	3.3	1A	12.7	1A	43.2
LEMON	BRADLEY PLAYING FIELDS NEWTON ABBOT	R06B005	1A	1A	7.5	1A	8.2	1A	16.9	1B	66.1	1A	2.5	1A	0.147	1A	0.010	1A	6.8	1A	11.7	1A	14.0
BLATCHFORD STREAM	PERRY FARM	R06B006	1A	1A	7.3	1A	8.1	1A	15.0	1A	85.0	1A	2.2	1A	0.078	1A	0.010	1A	15.5	1A	7.0	1A	8.0
BLATCHFORD STREAM	BLATCHFORD	R06B007	1B	1A	7.6	1A	8.0	1A	15.5	1B	67.9	1A	2.8	1A	0.115	1A	0.010	3	30.5	1A	40.0	1A	49.8
UGBROOKE STREAM	HIGHER SANDYGATE	R06B012	1B	1A	7.6	1A	8.2	1A	17.3	1A	80.5	1B	3.8	1B	0.642	1A	0.010	1A	9.7	1A	10.5	1A	11.0
UGBROOKE STREAM	PRIOR TO RIVER TEIGN	R06B013	2	1A	7.3	1A	8.2	1A	17.6	1A	86.0	1A	2.7	1A	0.233	1A	0.010	3	114.6	2	50.0	1A	110.4
SANDYGATE STREAM	NEW CROSS KINGSTEIGNTON	R06B010	2	1A	7.7	1A	8.2	1A	16.3	1B	68.8	1B	3.8	1A	0.112	1A	0.010	1A	15.0	1A	5.0	1A	20.5
LIVERTON BROOK	VENTIFORD BRIDGE	R06B050	1A	1A	7.5	1A	7.8	1A	16.7	1B	75.6	1A	2.4	1A	0.109	1A	0.010	1A	6.6	1A	6.9	1A	75.6
BOVEY	BLACKALLER NORTH BOVEY	R06D001	1A	1A	6.6	1A	7.4	1A	14.5	1B	79.1	1B	3.5	1A	0.044	1A	0.010	1A	5.8	-	-	-	-
BOVEY	DRAKEFORD BRIDGE	R06D002	1A	1A	6.7	1A	7.5	1A	15.1	1A	89.0	1B	4.1	1A	0.059	1A	0.010	1A	4.8	-	-	-	-
BOVEY	LITTLE BOVEY	R06D003	1A	1A	6.7	1A	7.4	1A	17.2	1A	80.7	1B	4.6	1A	0.095	1A	0.010	1A	15.6	1A	11.3	1A	42.7
BOVEY	TWINNED FARM	R06D004	1A	1A	6.8	1A	7.5	1A	17.5	1B	78.5	1B	4.8	1A	0.304	1A	0.010	3	27.3	1A	14.0	1A	52.2
BECKA BROOK	GIFT SHOP FOUNTAINS	R06D012	1A	1A	6.6	1A	7.6	1A	14.9	1B	73.0	2	7.0	1A	0.050	1A	0.010	1A	8.5	-	-	-	-
MAY BROOK	CASELY COURT	R06D008	1A	1A	6.9	1A	7.5	1A	16.0	1A	80.8	2	5.7	1B	0.341	1A	0.010	1A	9.7	1A	6.9	1A	13.7
MAY BROOK	RYDALE	R06D011	1A	1A	7.0	1A	7.5	1A	16.3	1B	78.8	2	5.2	1A	0.267	1A	0.010	1A	8.0	1A	8.2	1A	16.0
RACE BROOK	CHUDLEIGH	R06C055	1A	1A	7.9	1A	8.4	1A	16.7	1A	81.6	1B	3.3	1A	0.195	1A	0.010	1A	8.5	1A	5.0	1A	19.1
BRIMBLE BROOK	PRIOR TO RIVER TEIGN	R06C011	1A	1A	7.5	1A	8.1	1A	16.0	2	52.5	1A	2.8	1A	0.025	1A	0.010	1A	11.4	1A	5.0	1A	16.8

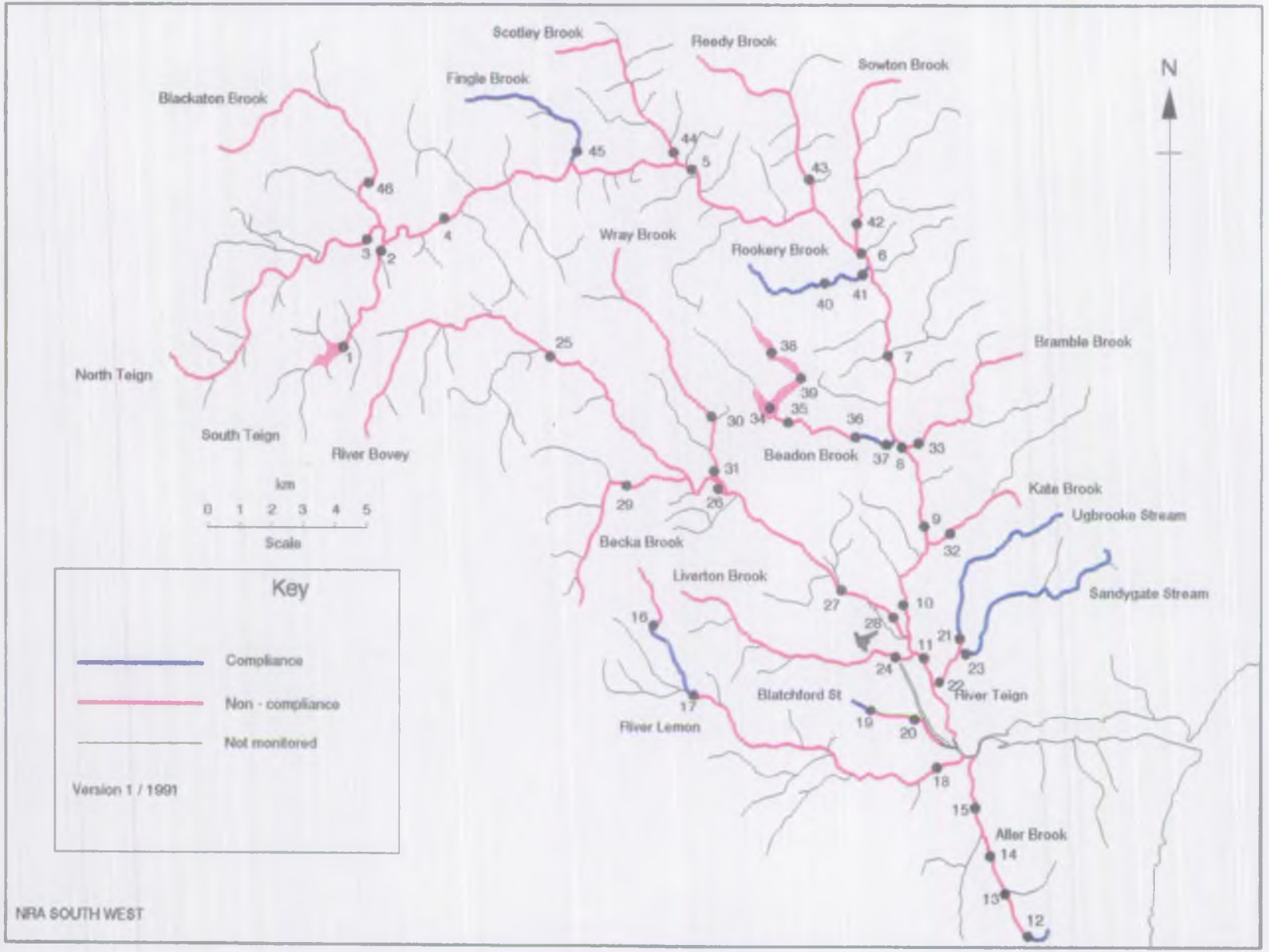
Appendix 8.7

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

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
BEADON BROOK	DRENCHFORD RESERVOIR	R06C050	1A	1A	6.1	1A	7.6	1A	19.0	2	56.2	1A	2.3	1A	0.157	1A	0.010	1A	3.3	1A	8.8	1A	33.3
BEADON BROOK	TUTTIFORD HOUSE	R06C009	1A	3	4.9	1A	8.0	1A	18.0	1B	74.2	1A	2.0	1A	0.212	3	0.032	1A	10.1	1A	5.2	1A	22.4
BEADON BROOK	RYNER BRIDGE	R06C010	2	1A	6.5	1A	7.5	1A	15.7	1A	86.4	1A	1.8	1A	0.030	1A	0.010	1A	3.1	1A	33.0	3	1274.0
BEADON BROOK	PRIOR TO RIVER TEIGN	R06C040	2	1A	6.8	1A	8.0	1A	16.2	1B	61.6	1A	2.2	1A	0.032	1A	0.010	1A	3.4	1A	12.0	2	700.7
KENNICK STREAM	KENNICK RESERVOIR	R06C048	1B	1A	6.4	1A	7.8	1A	20.8	2	51.3	1A	2.9	1A	0.112	1A	0.010	1A	3.1	1A	5.8	1A	9.2
KENNICK STREAM	TUTTIFORD RESERVOIR	R06C049	1B	1A	6.4	1A	7.8	1A	20.8	2	42.6	1A	2.9	1A	0.135	1A	0.010	1A	2.7	1A	10.5	1A	27.8
ROCKERY BROOK	ABOVE HARTLES MINE	R06C013	3	1A	6.8	1A	7.5	1A	15.6	1B	69.4	1A	3.0	1A	0.081	1A	0.010	1A	8.8	1A	11.1	1A	122.9
ROCKERY BROOK	PRIOR TO RIVER TEIGN	R06C014	3	1A	6.5	1A	7.2	1A	15.2	1B	77.4	1B	3.3	1A	0.073	1A	0.010	1A	9.5	1A	36.8	3	4020.0
SOMTON BROOK	SOMTON BRIDGE	R06C015	1B	1A	7.1	1A	7.7	1A	17.5	2	45.2	1B	3.1	1B	0.326	1A	0.010	1A	7.5	1A	5.0	1A	25.2
REEDY BROOK	REEDY BRIDGE	R06C054	1A	1A	6.9	1A	7.8	1A	14.5	3	21.0	1B	4.1	1A	0.135	1A	0.010	1A	11.5	2	43.7	1A	46.0
SCOTLEY BROOK	CLIFFORD BARTON	R06C057	1A	1A	6.8	1A	7.7	1A	16.2	3	38.0	4	74.5	1A	0.224	1A	0.010	1A	9.4	2	50.0	1A	50.0
FINGLE BROOK	FINGLE BRIDGE	R06C053	1B	1A	6.7	1A	7.8	1A	14.8	1A	81.0	1B	4.8	1A	0.228	1A	0.010	1A	7.4	1A	6.0	1A	99.6
BLACKWOOD BROOK	CHAPPLE	R06C052	1A	1A	6.4	1A	7.3	1A	15.2	1B	72.6	1A	2.9	1B	0.381	1A	0.010	1A	3.8	1A	6.9	1A	18.8

Appendix 8.7

Teign 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: TEIGN

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
SOUTH TEIGN RIVER	FERNWORTHY RESERVOIR	R06C051	68	-	68	-	69	-	58	4	68	-	68	-	15	-	68	1	42	1	42	-
SOUTH TEIGN RIVER	LEIGH BRIDGE	R06C001	36	-	36	-	37	-	35	2	35	-	36	-	22	-	36	1	37	-	37	-
NORTH TEIGN RIVER	GIDLEIGH PARK HOTEL	R06C002	36	-	36	-	37	-	35	-	36	-	36	-	22	-	36	-	37	1	37	-
TEIGN	RUSHFORD	R06C003	32	-	32	-	32	-	31	1	32	1	32	-	30	-	32	-	20	-	20	-
TEIGN	CLIFFORD BRIDGE	R06C004	31	-	31	-	31	-	30	1	31	-	31	-	25	-	31	-	0	-	0	-
TEIGN	BRIDFORD BRIDGE	R06C005	37	-	37	-	37	-	37	1	37	-	37	1	28	-	37	1	37	-	37	-
TEIGN	SPARA BRIDGE	R06C037	37	-	37	-	37	-	37	3	37	-	37	-	31	-	37	-	37	1	37	-
TEIGN	CROCOMBE BRIDGE	R06C006	37	-	37	-	37	-	36	2	37	1	37	-	26	-	37	-	37	-	37	-
TEIGN	CHUDLEIGH BRIDGE	R06C007	34	-	34	-	34	-	33	2	34	1	34	-	32	-	34	2	21	-	21	-
TEIGN	NEW BRIDGE	R06C008	34	-	34	-	34	-	33	1	34	1	34	-	34	-	34	2	21	-	21	-
TEIGN	PRESTON	R06B001	81	-	81	-	82	-	81	3	80	5	81	-	78	-	81	14	83	2	83	-
ALLER BROOK	EDGINSWELL PUMPING STATION	R06A001	40	-	40	-	39	-	39	1	39	1	40	-	31	-	40	4	6	-	6	-
ALLER BROOK	MANOR DRIVE KINGSKERSWELL	R06A002	40	-	40	-	40	-	40	-	40	-	40	-	37	-	40	9	33	-	33	-
ALLER BROOK	ALLER ORCHARD	R06A003	40	-	40	-	40	-	40	-	39	1	39	6	39	9	40	17	0	-	0	-
ALLER BROOK	PENNINN NEWTON ABBOT	R06A004	40	-	40	-	40	-	40	-	40	1	40	1	38	2	40	19	0	-	0	-
LEMON	ENGROR MILL	R06B003	32	-	32	-	32	-	31	1	32	-	32	-	25	-	32	-	32	-	32	-
LEMON	BELOW CONFLUENCE WITH RIVER SID	R06B004	32	-	32	-	32	-	32	1	32	1	32	-	29	-	32	-	32	-	32	-
LEMON	BRADLEY PLAYING FIELDS NEWTON ABBOT	R06B005	40	-	40	-	40	-	40	2	40	1	40	-	35	-	40	1	40	-	40	-
BLATCHFORD STREAM	PERRY FARM	R06B006	31	-	31	-	31	-	31	1	30	-	31	-	28	-	31	3	19	-	19	-
BLATCHFORD STREAM	BLATCHFORD	R06B007	28	-	28	-	28	-	28	-	28	-	28	-	28	-	28	14	24	-	24	-
UGBROOKE STREAM	HIGHER SANDGATE	R06B012	34	-	34	-	34	-	33	-	34	1	34	1	34	-	34	4	21	-	21	-
UGBROOKE STREAM	PRIOR TO RIVER TEIGN	R06B013	34	-	34	-	34	-	33	-	34	-	34	-	33	-	34	25	21	-	21	-
SANDGATE STREAM	NEW CROSS KINGSTEIGNTON	R06B010	34	-	34	-	34	-	33	1	34	-	34	-	33	-	34	3	26	-	26	-
LIVERTON BROOK	VENTIFORD BRIDGE	R06B050	33	-	33	-	32	-	32	2	33	-	33	-	31	-	33	1	21	-	21	-
BOVEY	BLACKALLER NORTH BOVEY	R06D001	31	-	31	-	31	-	30	1	31	1	31	-	26	-	31	2	0	-	0	-
BOVEY	DRAKEFORD BRIDGE	R06D002	30	-	30	-	30	-	30	-	30	2	30	-	24	-	30	1	0	-	0	-
BOVEY	LITTLE BOVEY	R06D003	37	-	37	-	37	-	37	1	37	5	37	1	33	-	37	5	37	1	37	-
BOVEY	TWINNED FARM	R06D004	37	-	37	-	38	-	37	2	37	4	37	1	35	-	37	7	37	1	37	-
BECKA BROOK	GIFT SHOP FOOTBRIDGE	R06D012	20	-	20	-	20	-	19	1	20	1	20	-	15	-	20	2	0	-	0	-
WRAY BROOK	CASELY COURT	R06D008	33	-	33	-	32	-	31	1	33	3	33	1	30	-	33	2	21	-	21	-
WRAY BROOK	HOWLE	R06D011	33	-	33	-	33	-	33	1	33	2	33	1	30	-	33	1	27	-	27	-
KATE BROOK	CHUDLEIGH	R06C055	34	-	34	-	33	-	32	1	34	2	34	-	31	-	34	2	21	-	21	-
BRAMBLE BROOK	PRIOR TO RIVER TEIGN	R06C011	30	-	30	-	30	-	29	1	30	1	30	-	18	-	30	2	24	-	24	-

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: TEIGN

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
BEADON BROOK	TRENCHFORD RESERVOIR	R06C050	24	-	24	-	23	-	22	2	24	-	24	-	23	-	24	-	24	-	24	-
BEADON BROOK	TOTTIFORD HOUSE	R06C009	37	2	37	1	37	-	36	5	37	-	37	-	34	1	37	1	36	-	36	-
BEADON BROOK	HYNER BRIDGE	R06C010	37	-	37	-	37	-	36	-	37	-	37	-	26	-	37	-	35	-	35	6
BEADON BROOK	PRIOR TO RIVER TEIGN	R06C040	36	-	36	1	36	-	35	1	36	-	36	-	24	-	36	-	36	-	36	-
KENNICK STREAM	KENNICK RESERVOIR	R06C048	24	-	24	-	23	-	22	1	24	-	24	-	17	-	24	-	23	-	23	-
KENNICK STREAM	TOTTIFORD RESERVOIR	R06C049	24	-	24	-	23	-	23	1	24	-	24	-	21	-	24	-	24	-	24	-
ROCKERY BROOK	ABOVE BARYTES MINE	R06C013	37	-	37	-	37	-	37	-	37	-	37	-	30	-	37	-	37	-	37	-
ROCKERY BROOK	PRIOR TO RIVER TEIGN	R06C014	37	-	37	-	36	-	36	-	37	-	37	-	32	-	37	-	37	-	37	-
SOMTON BROOK	SOMTON BRIDGE	R06C015	31	-	31	-	31	-	31	7	31	-	31	-	24	-	31	1	20	-	20	-
REEDY BROOK	REEDY BRIDGE	R06C054	29	-	29	-	29	-	29	9	29	1	29	-	28	-	29	3	22	1	22	-
SCOTLEY BROOK	CLIFFORD BARTON	R06C057	25	-	25	-	25	-	24	6	25	3	25	-	22	-	25	3	19	1	19	-
FINGLE BROOK	FINGLE BRIDGE	R06C053	32	-	32	-	32	-	31	-	32	1	32	-	28	-	32	-	26	-	26	-
BLACKAWTON BROOK	CHAPPLE	R06C052	32	-	32	-	32	-	31	3	32	-	32	1	29	-	32	-	20	-	20	-

Appendix 8.9

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

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
SOUTH TEIGN RIVER	FERNWORTHY RESERVOIR	R06C051	-	-	-	25	-	-	-	-	-	-
SOUTH TEIGN RIVER	LEIGH BRIDGE	R06C001	-	-	-	20	-	-	-	-	-	-
NORTH TEIGN RIVER	GIDLEIGH PARK HOTEL	R06C002	-	-	-	-	-	-	-	-	28	-
TEIGN	RUSHFORD	R06C003	-	-	-	30	48	-	-	-	-	-
TEIGN	CLIFFORD BRIDGE	R06C004	-	-	-	8	-	-	-	-	-	-
TEIGN	BRIDFORD BRIDGE	R06C005	-	-	-	-	-	-	-	-	-	-
TEIGN	SPARA BRIDGE	R06C037	-	-	-	51	-	-	-	-	-	-
TEIGN	CROCOMBE BRIDGE	R06C006	-	-	-	16	-	-	-	-	-	-
TEIGN	CHUDLEIGH BRIDGE	R06C007	-	-	-	4	1	-	-	-	-	-
TEIGN	NEW BRIDGE	R06C008	-	-	-	8	-	-	-	-	-	-
TEIGN	PRESTON	R06B001	-	-	-	-	13	-	-	-	-	-
ALLER BROOK	EDGINSWELL PUMPING STATION	R06A001	-	-	-	-	-	-	-	-	-	-
ALLER BROOK	MANOR DRIVE KINGSKERSWELL	R06A002	-	-	-	-	-	-	-	-	-	-
ALLER BROOK	ALLER ORCHARD	R06A003	-	-	-	-	-	88	186	-	-	-
ALLER BROOK	PENNINN NEWTON ABBOT	R06A004	-	-	-	-	-	-	45	-	-	-
LEMON	BAGATOR MILL	R06B003	-	-	-	22	-	-	-	-	-	-
LEMON	BELOW CONFLUENCE WITH RIVER SIG	R06B004	-	-	-	-	-	-	-	-	-	-
LEMON	BRADLEY PLAYING FIELDS NEWTON ABB	R06B005	-	-	-	17	-	-	-	-	-	-
BLATCHFORD STREAM	PERRY FARM	R06B006	-	-	-	-	-	-	-	-	-	-
BLATCHFORD STREAM	BLATCHFORD	R06B007	-	-	-	-	-	-	-	22	-	-
UGBROOKE STREAM	HIGHER SANDYGATE	R06B012	-	-	-	-	-	-	-	-	-	-
UGBROOKE STREAM	PRIOR TO RIVER TEIGN	R06B013	-	-	-	-	-	-	-	43	-	-
SANDYGATE STREAM	NEW CROSS KINGSTEIGNTON	R06B010	-	-	-	-	-	-	-	-	-	-
LIVERTON BROOK	VENTIFORD BRIDGE	R06B050	-	-	-	6	-	-	-	-	-	-
BOVEY	BLACKALLER NORTH BOVEY	R06D001	-	-	-	1	17	-	-	-	-	-
BOVEY	DRAKEFORD BRIDGE	R06D002	-	-	-	-	36	-	-	-	-	-
BOVEY	LITTLE BOVEY	R06D003	-	-	-	-	54	-	-	-	-	-
BOVEY	TWINYEO FARM	R06D004	-	-	-	2	60	-	-	9	-	-
BECKA BROOK	GIFT SHOP FOOTBRIDGE	R06D012	-	-	-	9	132	-	-	-	-	-
WRAY BROOK	CASELY COURT	R06D008	-	-	-	-	90	10	-	-	-	-
WRAY BROOK	KNOWLE	R06D011	-	-	-	1	74	-	-	-	-	-
KATE BROOK	CHUDLEIGH	R06C055	-	-	-	-	10	-	-	-	-	-
BRAMBLE BROOK	PRIOR TO RIVER TEIGN	R06C011	-	-	-	34	-	-	-	-	-	-

Appendix 8.10

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

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
BEADON BROOK	TRENCHFORD RESERVOIR	R06C050	-	-	-	31	-	-	-	-	-	-
BEADON BROOK	TOTTIFORD HOUSE	R06C009	3	-	-	7	-	-	55	-	-	-
BEADON BROOK	HYNER BRIDGE	R06C010	-	-	-	-	-	-	-	-	-	27
BEADON BROOK	PRIOR TO RIVER TEIGN	R06C040	-	-	-	-	-	-	-	-	-	-
KENNICK STREAM	KENNICK RESERVOIR	R06C048	-	-	-	15	-	-	-	-	-	-
KENNICK STREAM	TOTTIFORD RESERVOIR	R06C049	-	-	-	29	-	-	-	-	-	-
ROOKERY BROOK	ABOVE BARYTES MINE	R06C013	-	-	-	-	-	-	-	-	-	-
ROOKERY BROOK	PRIOR TO RIVER TEIGN	R06C014	-	-	-	-	-	-	-	-	-	-
SOWTON BROOK	SOWTON BRIDGE	R06C015	-	-	-	25	-	-	-	-	-	-
REEDY BROOK	REEDY BRIDGE	R06C054	-	-	-	74	35	-	-	-	9	-
SCOTLEY BROOK	CLIFFORD BARTON	R06C057	-	-	-	52	2383	-	-	-	25	-
FINGLE BROOK	FINGLE BRIDGE	R06C053	-	-	-	-	-	-	-	-	-	-
BLACKATON BROOK	CHAPPLE	R06C052	-	-	-	9	-	23	-	-	-	-

Appendix 8.10