

## ENVIRONMENTAL PROTECTION



**NRA**

*National Rivers Authority*

*South West Region*

# **River Taw Catchment River Water Quality Classification 1990**

**NOVEMBER 1991**

**WQP/91/033**

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## ACKNOWLEDGEMENTS

The Water Quality Planner acknowledges the substantial contributions made by the following staff:

- R. Broome - Co-ordinator and Editor
- A. Burrows - Production of Maps and editorial support
- P. Grigorey - Production of Maps and editorial support
- B. Steele - Production of Forepage
- C. McCarthy - Administration and report compilation

Special thanks are extended to A. Burghes of Moonsoft, Exeter for computer support and the production of statistical schedules.

The following NRA sections also made valuable contributions:

Pollution Control  
Field Control and Wardens  
Water Resources

Thanks also to R. Hamilton and J. Murray-Bligh for their contributions.

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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



130040

# RIVER WATER QUALITY IN THE RIVER TAW CATCHMENT

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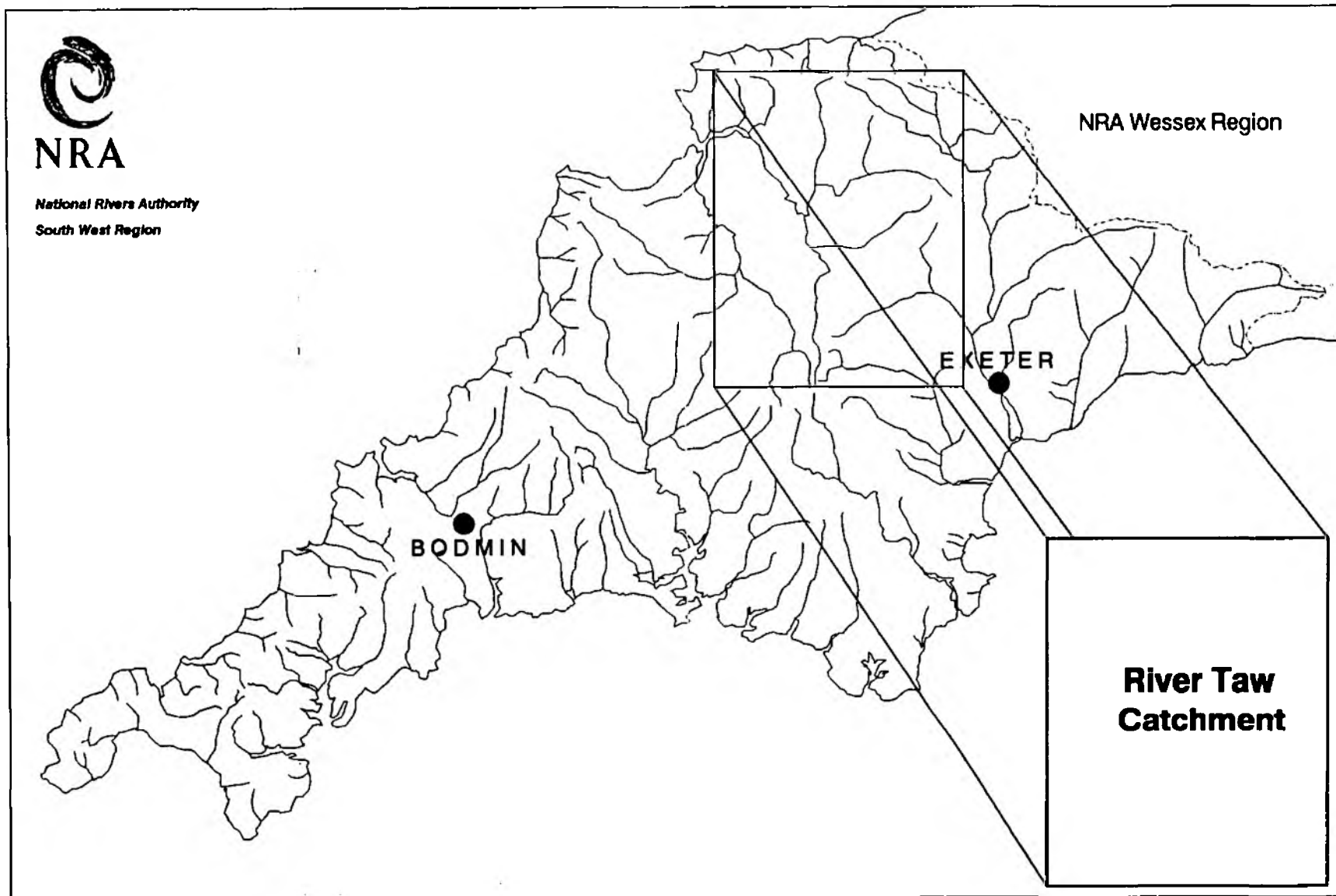
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# National Rivers Authority South West Region



**NRA**

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South West Region*



**River Taw Catchment**

## 1. INTRODUCTION

Monitoring to assess the quality of river waters is undertaken in thirty-two 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.

River lengths have been re-measured and variations exist over those recorded previously.

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), (9.1).

This report presents the river water quality classification for 1990 for monitored river reaches in the River Taw catchment.

## 2. RIVER TAW CATCHMENT

The River Taw flows over a distance of 71.9 km from its source to the tidal limit in the Taw Estuary, (Appendix 10.1). Water quality was monitored at thirteen locations on the main river; eleven sites were sampled at approximately monthly intervals. The site at Chappleton Footbridge, which is a National Water Quality monitoring point, was sampled fortnightly. The site at Umberleigh was sampled on twenty occasions during 1990 because of no recent water quality data.

The River Yeo (Barnstaple), which is a National Water Quality monitoring point, flows over a distance of 17.7km from its source to the tidal limits, (Appendix 10.1) and was sampled fortnightly at two locations.

The River Caen and Knowle Water flow over a distance of 11.9 km and 9.4 km respectively from their source to the tidal limit, (Appendix 10.1) and were both monitored at one location.

Throughout the Taw catchment five secondary tributaries of the River Taw were monitored at approximately monthly intervals and five secondary tributaries: River Venn (R30A003), River Little Dart (R30E003), River Yeo (Lapford) (R30D012), Hollocombe Water (R30B008) and Langham Lake (R30B016) were sampled on twenty occasions during 1990 because of no recent water quality data. Wistlandpound reservoir was also sampled at approximately monthly intervals.

Three tertiary tributaries of the River Taw were monitored at approximately monthly intervals and six tertiary tributaries: River Bray (R30G001/008), North Radworthy Stream (R30G010), River Dalch (R30D011), Little Silver Stream (R30F010), Crooked Oak (R30F007) and Ash Brook (R30D013) were sampled on twenty occasions during 1990 because of no recent water quality data.

One quarternary tributary was monitored at monthly intervals and two tributaries: Nadrid Water (R30G013) and Sheepwash (R30F022) were sampled on twenty occasions during 1990 because of no recent water quality data.

The Wollacombe flows over a distance of 3 km from its source to the tidal limit, (Appendix 10.1) and was monitored at one location in the lower reaches.

The Croyde Stream flows over a distance of 4.4 km from its source to the tidal limit, (Appendix 10.1) and was monitored at three sites.

## **2.1 SECONDARY TRIBUTARIES**

The River Mole flows over a distance of 34.1 km from its source to the confluence with the River Taw, (Appendix 10.1) and was monitored at six locations.

The River Yeo (Lapford) flows over a distance of 22.4 km from its source to the confluence with the River Taw, (Appendix 10.1) and was monitored at four locations.

The Little Dart River and Rye Stream flow over a distance of 26.6 km and 10.1 km before joining the Rivers Taw and Yeo (Barnstaple) respectively, (Appendix 10.1) and were both monitored at three locations.

The Hollocombe Water (8.7km), River Venn (8.5 km) and Langham Lake (12.8 km) were all monitored at two locations between their source and confluence with the River Taw (Appendix 10.1).

Bradiford Water (15 km), Hawkridge Bridge Brook (8.2 km) and Mully Brook (8.5 km) were all monitored at one location situated in the lower reaches, (Appendix 10.1).

## **2.2 TERTIARY STREAMS**

The River Bray flows over a distance of 26.5 km from its source to the confluence with the River Mole, (Appendix 10.1) and was monitored at six locations.

The River Dalch (17.8 km) and River Yeo (Molland) (18.5 km) were both monitored at three locations, (Appendix 10.1).

The Little Silver Stream (11.4 km) and the Crooked Oak Stream (16.1 km) were both monitored at two locations between their source and confluence with the River Mole, (Appendix 10.1).

The North Radworthy Stream (3.2 km), Huntacott Stream (10.4 km), Sturcombe Stream (8.5 km) and Ash Brook (8.0 km) were all monitored at one location situated in the lower reaches, (Appendix 10.1).

### 2.3 QUARternary TRIBUTARIES

The Nadrid Water (7.8 km), Holewater Stream (8.5 km) and Sheepwash Stream (7.1 km) were all monitored at one location situated in the lower reaches, (Appendix 10.1).

Each sample was analysed for a minimum number of determinands (Appendix 10.2) 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 Act Register, (9.2).

## 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 Taw catchment are identified in Appendix 10.1.

### 3.2 River Quality Classification

River water quality is classified using the National Water Council's (NWC) River Classification System (see Appendix 10.3), 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 10.4.1 and 10.4.2.

The quality classification system incorporates some of the European Inland Fisheries Advisory Commission (EIFAC) criteria (Appendix 10.3) recommended for use by the NWC system.

#### 4. 1990 RIVER WATER QUALITY SURVEY

The 1990 regional classification of river water quality also includes the requirements of the Department of the Environment quinquennial national river quality survey. The objectives for the Department of the Environment 1990 River Quality Survey are given below:

- 1) To carry out a National Classification Survey based on procedures used in the 1985 National Classification Survey, including all regional differences.
- 2) To classify all rivers and canals included in the 1985 National Classification Survey.
- 3) To compare the 1990 Classification with those obtained in 1985.

In addition, those watercourses, which were not part of the 1985 Survey and have been monitored since that date, are included in the 1990 regional classification of river water quality.

#### 5. 1990 RIVER WATER QUALITY CLASSIFICATION

Analytical data collected from monitoring during 1988, 1989 and 1990 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 10.5.

The quality class for 1990 can be compared against the appropriate River Quality Objective and previous annual quality classes (1985-1989) also based on three years combined data, for each river reach in Appendix 10.5.



The river water classification system used to classify each river length is identical to the system used in 1985 for the Department of the Environment's 1985 River Quality Survey. The determinand classification criteria used to determine the annual quality classes in 1985, subsequent years and for 1990 are indicated in Appendices 10.4 and 10.4.1.

Improvements to this classification system could have been made, particularly in the use of a different suspended solids standard for Class 2 waters. As the National Rivers Authority will be proposing new classification systems to the Secretary of State in the near future, it was decided to classify river lengths in 1990 with the classification used for the 1985-1989 classification period.

The adoption of the revised criteria for suspended solids in Class 2 waters would not have affected the classification of river reaches.

The river quality classes for 1990 of monitored river reaches in the catchment are shown in map form in Appendix 10.6.

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 10.7.

## **6. 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 10.8.

Appendix 10.9 indicates the number of samples analysed for each determinand over the period 1988 to 1990 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 relevant quality standard (represented as a percentage), is indicated in Appendix 10.10.

## **7. CAUSES OF NON-COMPLIANCE**

For those river reaches, which did not comply with their assigned RQOs, the cause of non-compliance (where possible to identify) is indicated in Appendix 10.11.

## 8. GLOSSARY OF TERMS

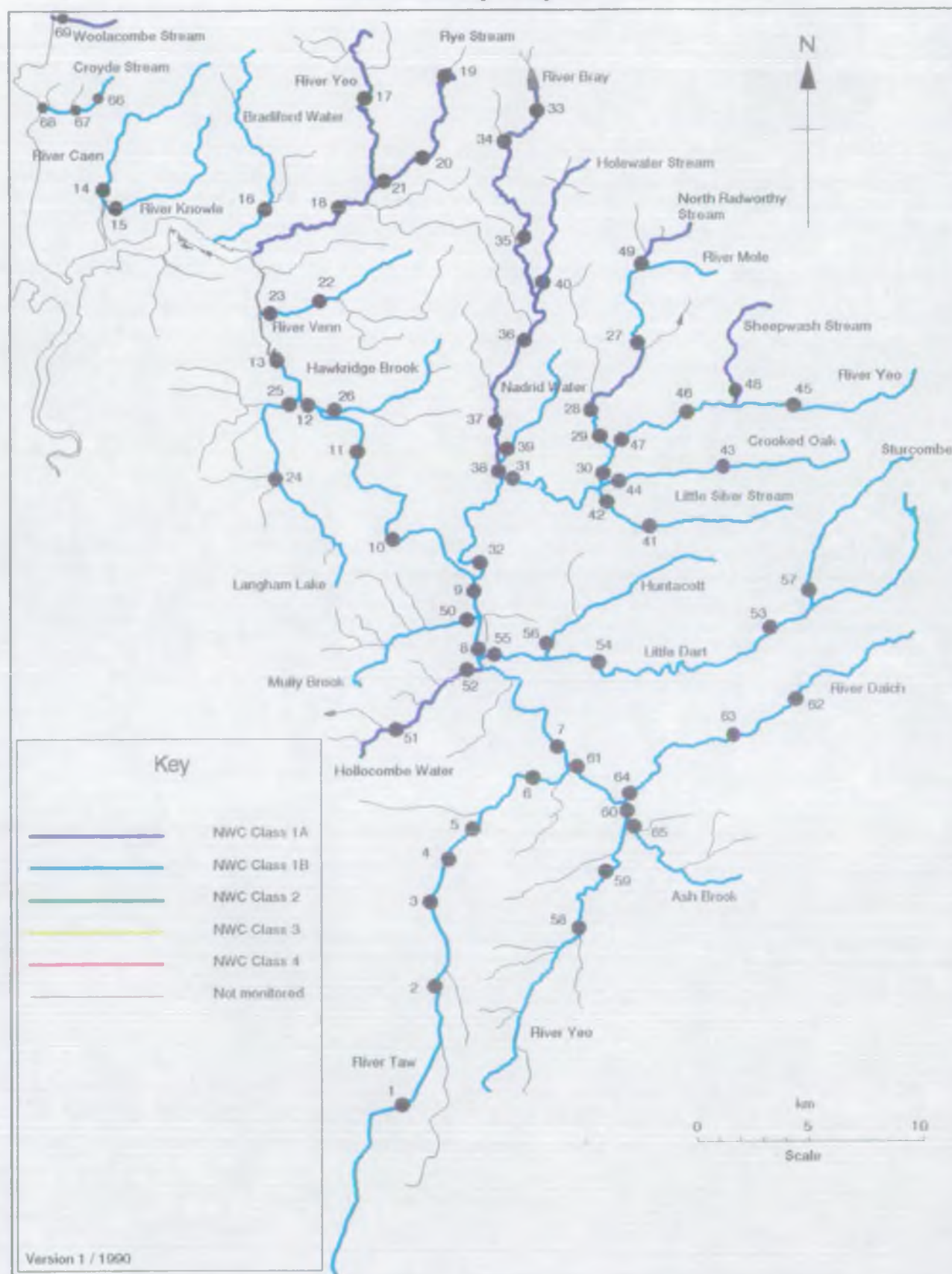
RIVER REACH	A segment of water, upstream from sampling point to the next sampling point.
RIVER LENGTH	River distance in kilometres.
RIVER QUALITY OBJECTIVE	That NWC class, which protects the most sensitive use of the water.
95 percentiles	Maximum limits, which must be met for at least 95% of the time.
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, $\text{NH}_3$ .
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.

## 9. REFERENCES

### Reference

- 9.1 National Water Council (1977). River Water Quality: The Next Stage. Review of Discharge Consent Conditions. London.
- 9.2 Water Act 1989 Section 117
- 9.3 Alabaster J. S. and Lloyd R. Water Quality Criteria for Freshwater Fish, 2nd edition, 1982. Butterworths.

## Taw 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 CaCO<sub>3</sub>

Chloride as mg/l Cl

Orthophosphate (total) as mg/l P

Silicate reactive dissolved as mg/l SiO<sub>2</sub>

Sulphate (dissolved) as mg/l SO<sub>4</sub>

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 CaCO<sub>3</sub>

## MWC 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
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  $\text{NH}_4$ . \*\*
  - (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.

\* EC 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  $\text{NH}_4$ /l to mg N/l)

Class 1A	0.4 mg $\text{NH}_4$ /l = 0.31 mg N/l
Class 1B	0.9 mg $\text{NH}_4$ /l = 0.70 mg N/l
	0.5 mg $\text{NH}_4$ /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 <sub>3</sub>	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 <sub>3</sub>	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  
1990 RIVER WATER QUALITY CLASSIFICATION  
CATCHMENT: TAW (33)

1990 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
1	TAW	A.30 BRIDGE AT STICKLEPATH	R30C001	SX 6436 9402	11.4	11.4	1B	1B	1A	2	2	2	3
2	TAW	ROWDEN MOOR	R30C002	SX 6549 9947	6.7	18.1	1B	1A	1A	1A	1A	1A	1A
3	TAW	YEO FARM	R30C003	SS 6513 0286	4.5	22.6	1B	1B	1B	1A	1A	1B	1A
4	TAW	BONDLEIGH	R30C004	SS 6578 0453	2.3	24.9	1B	1A	1B	1B	1B	1B	2
5	TAW	TAW BRIDGE	R30C005	SS 6729 0659	3.2	28.1	1B	1B	1B	1A	1A	1A	1B
6	TAW	HIGHER PARK	R30C006	SS 6968 0861	4.6	32.7	1B	1B	1B	1A	1A	1A	1A
7	TAW	CHENSON	R30B001	SS 7021 0952	3.3	36.0	1B	2	1B	1B	1B	1B	1B
8	TAW	KERSHAM BRIDGE	R30B002	SS 6620 1356	8.4	44.4	1B	2	2	1B	1B	1B	1B
9	TAW	NEWMHAM BRIDGE	R30B003	SS 6603 1732	5.7	50.1	1B	1B	1B	2	2	1B	1B
10	TAW	KINGFORD	R30B004	SS 6239 1925	5.6	55.7	1B	1B	1B	2	1B	2	2
11	TAW	UMBERLEIGH	R30B015	SS 6078 2372	7.1	62.8	1B	1B	1B	1B	2	2	1B
12	TAW	CHAPELTON FOOTBRIDGE	R30B014	SS 5822 2610	4.3	67.1	1B	1B	1B	1B	2	2	1B
13	TAW	NEW BRIDGE	R30B005	SS 5699 2828	3.0	70.1	1B	1B	1B	2	2	2	1B
	TAW	NORMAL TIDAL LIMIT (INFERRED STRETCH)			1.8	71.9	1B	1B	1B	2	2	2	1B
14	CAEN	VELATOR BRIDGE	R30A002	SS 4855 3572	11.9	11.9	1B	1B	1A	2	2	2	2
15	KNOWL WATER	OLD RAILWAY BRIDGE, VELATOR	R30A006	SS 4878 3567	9.3	9.3	1B	3	3	3	2	1B	1B
	KNOWL WATER	NORMAL TIDAL LIMIT (INFERRED STRETCH)			0.1	9.4	1B	3	3	3	2	1B	1B
16	BRADIFORD WATER	BLAKEWELL	R30A001	SS 5663 3583	10.3	10.3	1B	1A	1A	1B	1B	1B	1B
	BRADIFORD WATER	TAW CONFLUENCE (INFERRED STRETCH)			4.7	15.0	1B	1A	1A	1B	1B	1B	1B
17	YEO (BARNSTAPLE)	BROCKHAM BRIDGE	R30H001	SS 6034 4083	4.5	4.5	1A	1A	1B	1B	1B	1B	1B
18	YEO (BARNSTAPLE)	COLLARD BRIDGE	R30H006	SS 5956 3569	8.0	12.5	1A	1B	1B	1A	1B	1B	1B
	YEO (BARNSTAPLE)	NORMAL TIDAL LIMIT (INFERRED STRETCH)			5.2	17.7	1A	1B	1B	1A	1B	1B	1B
19	RYE STREAM	INFLOW, WISTLAND POUND RES. (UNION. STRETCH)			1.5	1.5	1A	1A	1A	1A	1A	1A	
20	RYE STREAM	WISTLAND POUND RESERVOIR	R30H008	SS 6432 4134	0.9	2.4	1A	1A	1A	1A	1A	1A	1A
21	RYE STREAM	BRATTON FLEMING	R30H009	SS 6318 3774	5.0	7.4	1A	1A	1A	1A	1A	1A	1B
	RYE STREAM	LOXHORE CROSS	R30H004	SS 6116 3658	2.5	9.9	1A	1A	1A	1A	1A	1A	1A
	RYE STREAM	YEO (BARNSTAPLE) CONFL. (INF. STRETCH)			0.2	10.1	1A	1A	1A	1A	1A	1A	1A
22	VENN	LANDKEY	R30A003	SS 5908 3102	5.4	5.4	1B	1B	1B	2	3	2	3
23	VENN	BISHOPS TAWTON	R30A004	SS 5679 3031	2.8	8.2	1B	1B	1B	2	3	2	3
	VENN	TAW CONFLUENCE (INFERRED STRETCH)			0.3	8.5	1B	1B	1B	2	3	2	3
24	LANGHAM LAKE	LANGRIDGEFORD	R30B016	SS 5715 2237	6.7	6.7	1B	1B	1B	3	3	3	2
25	LANGHAM LAKE	LANGHAM BRIDGE	R30B006	SS 5796 2610	5.7	12.4	1B	1B	1B	3	3	3	1B
	LANGHAM LAKE	TAW CONFLUENCE (INFERRED STRETCH)			0.4	12.8	1B	1B	1B	3	3	3	1B
26	HAWKRIDGE BROOK	HAWKRIDGE BRIDGE	R30B012	SS 5947 2534	7.8	7.8	1B	1B	1B	4	4	4	2
	HAWKRIDGE BROOK	TAW CONFLUENCE (INFERRED STRETCH)			0.4	8.2	1B	1B	1B	4	4	4	2
27	MOLE	NORTH MOLTON	R30P001	SS 7435 2984	8.5	8.5	1B	1A	1B	1B	2	2	2

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
1990 RIVER WATER QUALITY CLASSIFICATION  
CATCHMENT: TAW (33)

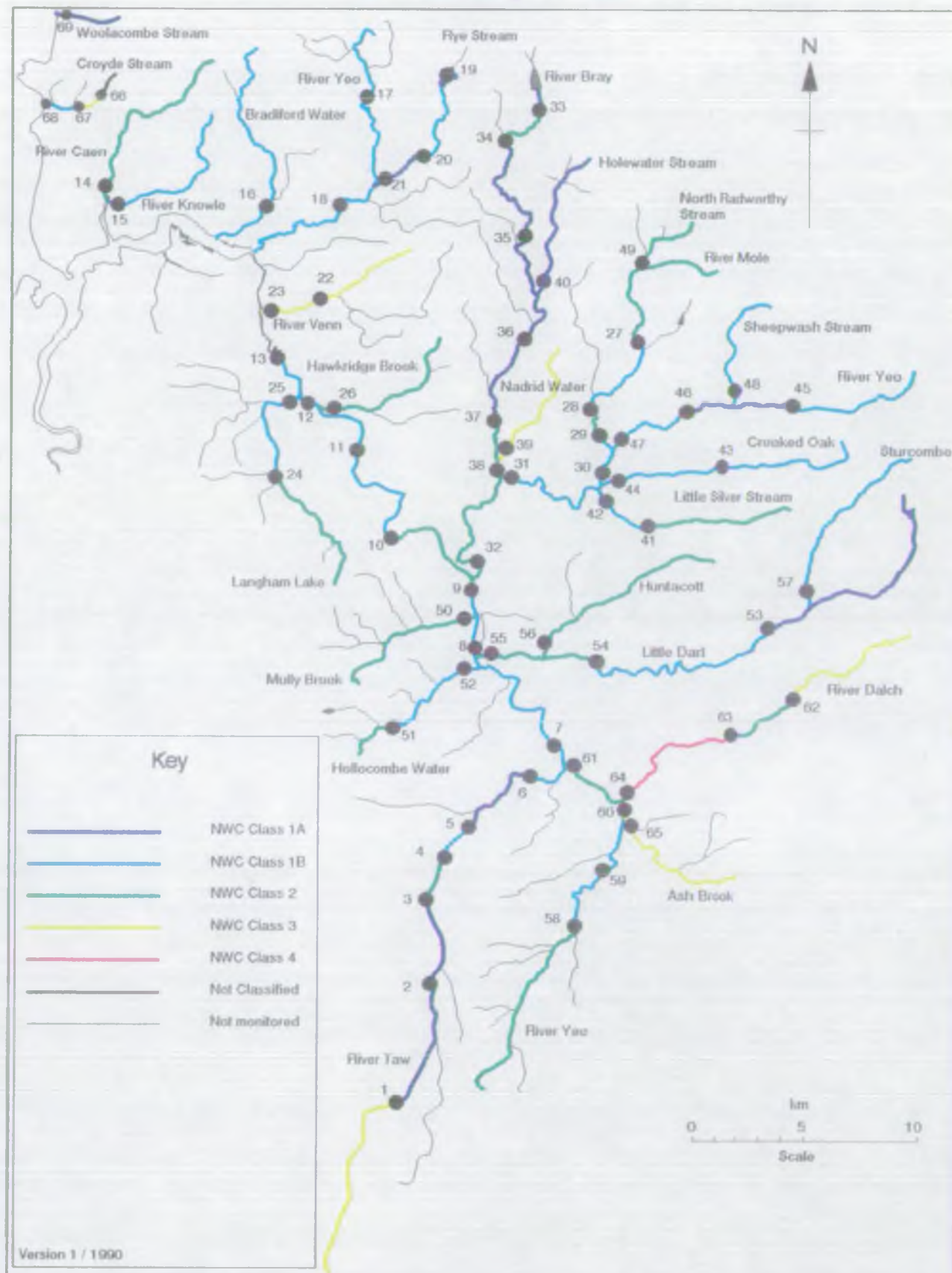
1990 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference	Reach Length (km)	Distance from source (km)	River Quality Objective	85 NWC Class	86 NWC Class	87 NWC Class	88 NWC Class	89 NWC Class	90 NWC Class
28	MOLE	PARKHOUSE	R30F002	SS 7206 2649	5.4	13.9	1A	1A	1B	1A	1A	1A	1B
29	MOLE	PRIOR TO RIVER YEO	R30F003	SS 7261 2474	2.1	16.0	1B	1A	1B	2	2	1B	2
30	MOLE	NEW BRIDGE	R30F004	SS 7248 2257	3.0	19.0	1B	1A	1B	2	2	1B	1B
31	MOLE	MOLE BRIDGE	R30F005	SS 6767 2295	6.7	25.7	1B	1B	1B	1B	1B	1B	1B
32	MOLE	HEAD BARTON	R30F006	SS 6674 1827	7.3	33.0	1B	1A	1A	1A	1A	2	2
	MOLE	TAW CONFLUENCE (INFERRED STRETCH)			1.1	34.1	1B	1A	1A	1A	1A	2	2
	BRAY	OUTFLOW, CHALLACOMBE RES. (UNMON. STRETCH)			1.5	1.5	1A	1A	2	1A	1A	1A	
33	BRAY	CHALLACOMBE	R30G001	SS 6929 4105	1.2	2.7	1A	1A	2	1A	1A	1A	1A
34	BRAY	LEERHAM FORD	R30G011	SS 6776 3994	2.3	5.0	1A	1A	2	1A	1A	1A	2
35	BRAY	BRAYFORD	R30G002	SS 6879 3473	7.0	12.0	1A	1A	2	1A	1A	1A	1A
36	BRAY	BRAYLEY BRIDGE	R30G003	SS 6907 3033	5.9	17.9	1A	1A	3	3	2	2	1A
37	BRAY	BRAY BRIDGE	R30G012	SS 6754 2567	5.6	23.5	1A	1B	1A	2	3	2	1A
38	BRAY	MEETHE BARTON	R30G004	SS 6755 2299	2.9	26.4	1A	1B	1A	2	3	2	2
	BRAY	MOLE CONFLUENCE (INFERRED STRETCH)			0.1	26.5	1A	1B	1A	2	3	2	2
39	NADRID WATER	CLAPWORTHY	R30G013	SS 6761 2406	7.7	7.7	1B						3
	NADRID WATER	NADRID CONFLUENCE (INFERRED STRETCH)			0.1	7.8	1B						3
40	MOLEWATER (MOLLAND)	LINKLEYHAM BRIDGE	R30G005	SS 696 325	8.1	8.1	1A	1A	1A	1B	1B	1B	1A
	MOLEWATER (MOLLAND)	BRAY CONFLUENCE (INFERRED STRETCH)			0.4	8.5	1A	1A	1A	1B	1B	1B	1A
41	LITTLE SILVER STREAM	ODAM BRIDGE	R30F010	SS 7421 2060	8.4	8.4	1B	2	1B	1B	1B	1B	2
42	LITTLE SILVER STREAM	ALSWEAR	R30F011	SS 7236 2208	2.9	11.3	1B	2	1B	1B	1B	1B	1B
	LITTLE SILVER STREAM	MOLE CONFLUENCE (INFERRED STRETCH)			0.1	11.4	1B	2	1B	1B	1B	1B	1B
43	CROOKED OAK	ASHMILL	R30F023	SS 7836 2338	8.3	8.3	1B	2	2	2	1B	1B	1B
44	CROOKED OAK	A.373 BRIDGE AT ALSWEAR	R30F007	SS 7247 2228	7.6	15.9	1B	2	2	2	1B	1B	1B
	CROOKED OAK	MOLE CONFLUENCE (INFERRED STRETCH)			0.2	16.1	1B	2	2	2	1B	1B	1B
45	YEO (MOLLAND)	BOTTREUX MILL	R30F008	SS 8211 2638	7.1	7.1	1B	1B	1A	1A	1A	1B	1B
46	YEO (MOLLAND)	VERASY	R30F024	SS 7664 2632	6.6	13.7	1B	1A	1A	1A	1A	1B	1A
47	YEO (MOLLAND)	GRILSTONE	R30F009	SS 7316 2435	4.8	18.5	1B	1A	1A	1A	1A	1B	1B
48	SHEEPWASH STREAM	YEO FARM	R30F022	SS 7902 2663	7.0	7.0	1A						1B
	SHEEPWASH STREAM	YEO (MOLLAND) CONFL. (INFERRED STRETCH)			0.1	7.1	1A						1B
49	NORTH RADWORTHY STREAM	BELOW BARHAM BRIDGE	R30G010	SS 7465 3363	2.8	2.8	1A						2
	NORTH RADWORTHY STREAM	MOLE CONFLUENCE (INFERRED STRETCH)			0.4	3.2	1A						2
50	MULLY BROOK	HANSPORD BRIDGE	R30B007	SS 6583 1582	7.8	7.8	1B	2	1B	3	3	3	2
	MULLY BROOK	TAW CONFLUENCE (INFERRED STRETCH)			0.7	8.5	1B	2	1B	3	3	3	2
51	HOLLOCOMBE WATER	WOODROBERTS	R30B008	SS 6280 1075	3.3	3.3	1A	1A	1A	3	3	3	2
52	HOLLOCOMBE WATER	BRIDGE REEVE	R30B009	SS 6617 1345	5.3	8.6	1A	1A	1A	3	3	3	1B

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 CATCHMENT: TAW (33)

1990 Map Position Number	River	Reach upstream of	User Reference Number	National Grid Reference
	HOLLOCOMBE WATER	TAW CONFLUENCE (INFERRED STRETCH)		
53	LITTLE DART RIVER	NEW BRIDGE	R30E001	SS 7967 1492
54	LITTLE DART RIVER	STONE MILL BRIDGE	R30E002	SS 7199 1310
55	LITTLE DART RIVER	DART BRIDGE	R30E003	SS 6691 1372
	LITTLE DART RIVER	TAW CONFLUENCE (INFERRED STRETCH)		
56	HUNTACOTT WATER	CHULMLEIGH	R30E005	SS 6967 1384
	HUNTACOTT WATER	LITTLE DART CONFL. (INFERRED STRETCH)		
57	STURCOMBE RIVER	BRADFORD TRACY	R30E006	SS 8128 1623
	STURCOMBE RIVER	LITTLE DART CONFL. (INFERRED STRETCH)		
58	YEO (LAPFORD)	BOW BRIDGE	R30D004	SS 7173 0174
59	YEO (LAPFORD)	ZEAL MONACHORUM	R30D012	SS 7317 0449
60	YEO (LAPFORD)	BURY BRIDGE	R30D005	SS 7377 0679
61	YEO (LAPFORD)	NYMET BRIDGE	R30D006	SS 7145 0926
	YEO (LAPFORD)	TAW CONFLUENCE (INFERRED STRETCH)		
62	DALCH	MILL BARTON	R30D001	SS 8147 1234
63	DALCH	CANN'S MILL BRIDGE	R30D011	SS 7851 1049
64	DALCH	PRIOR TO CONFLUENCE WITH RIVER YEO	R30D003	SS 7358 0745
	DALCH	YEO (LAPFORD) CONFL. (INFERRED STRETCH)		
65	ASH BROOK	A377 PRIOR TO YEO RIVER	R30D013	SS 7373 0658
	ASH BROOK	YEO (LAPFORD) CONFL. (INFERRED STRETCH)		
66	CROYDE STREAM	CROMBOROUGH	R30A032	SS 4681 3875
67	CROYDE STREAM	FORDA	R30A031	SS 4571 3914
68	CROYDE STREAM	CROYDE	R30A028	SS 4443 3918
	CROYDE STREAM	NORMAL TIDAL LIMIT (INFERRED STRETCH)		
69	WOOLACOMBE STREAM	PRIOR TO BEACH	R30A005	SS 4578 4355
	WOOLACOMBE STREAM	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
0.1	8.7	1A	1A	1A	3	3	3	1B
10.1	10.1	1B	1B	1B	1B	1B	1B	1A
9.8	19.9	1B	1B	1B	2	2	2	1B
6.0	25.9	1B	1B	1B	2	2	2	2
0.7	26.6	1B	1B	1B	2	2	2	2
10.1	10.1	1B						2
0.3	10.4	1B						2
7.9	7.9	1B						1B
0.6	8.5	1B						1B
10.1	10.1	1B	1B	2	2	2	2	2
4.3	14.4	1B	2	1B	2	2	2	1B
3.2	17.6	1B	2	1B	2	2	2	1B
4.3	21.9	1B	2	1B	2	2	2	2
0.5	22.4	1B	2	1B	2	2	2	2
6.2	6.2	1B	2	1B	2	2	3	3
4.1	10.3	1B	2	1B	2	2	3	2
7.5	17.8	1B	2	1B	2	2	3	4
0.0	17.8	1B	2	1B	2	2	3	4
7.9	7.9	1B						3
0.1	8.0	1B						3
0.7	0.7	1B						
1.5	2.2	1B						3
1.3	3.5	1B						1B
0.9	4.4	1B						1B
2.8	2.8	1A						1A
0.2	3.0	1A						1A

# Taw Catchment Water Quality - 1990



NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
1990 RIVER WATER QUALITY CLASSIFICATION  
CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT  
OUTCHMENT: TFW (33)

River	Reach upstream of	User Ref. Number	90 MNC Class	Calculated Determinand Statistics used for Quality Assessment												S.Solids Class Mean	Total Copper Class 95tile	Total Zinc Class 95tile					
				pH Lower Class 5tile		pH Upper Class 95tile		Temperature Class 95tile		DO (%) Class 5tile		BOD (ARU) Class 95tile		Total Ammonia Class 95tile					Union. Ammonia Class 95tile				
TFW	A 30 BRIDGE AT STICKLEBATH	R00C001	3	3	4.7	1A	7.1	1A	18.3	1A	90.0	1A	1.8	1A	0.026	1A	0.010	1A	1.3	1A	5.0	1A	12.0
TFW	ROMEN MOOR	R00C002	1A	1A	6.7	1A	7.6	1A	18.0	1A	88.4	1A	2.0	1A	0.053	1A	0.010	1A	2.7	-	-	-	-
TFW	YEO FARM	R00C003	1A	1A	6.9	1A	8.5	1A	18.4	1A	87.3	1A	3.0	1A	0.164	1A	0.010	1A	4.2	-	-	-	-
TFW	BONLEIGH	R00C004	2	1A	6.9	1A	8.7	1A	18.6	1A	88.0	2	8.9	1B	0.366	1A	0.010	1A	6.5	-	-	-	-
TFW	TFW BRIDGE	R00C005	1B	1A	6.9	1A	8.3	1A	18.4	1A	88.0	1A	2.7	1B	0.366	1A	0.015	1A	4.8	1A	10.6	1A	27.8
TFW	HIGHER BARK	R00C006	1A	1A	7.0	1A	8.5	1A	17.3	1A	81.1	1A	2.7	1A	0.138	1A	0.010	1A	4.9	-	-	-	-
TFW	CHENSON	R00B001	1B	1A	7.1	1A	8.5	1A	19.7	1B	79.1	1B	4.3	1A	0.235	1A	0.010	1A	12.6	1A	10.6	1A	32.3
TFW	KERSHAM BRIDGE	R00B002	1B	1A	7.1	1A	8.5	1A	20.5	1B	60.4	1B	4.0	1A	0.190	1A	0.010	1A	10.3	1A	7.0	1A	43.6
TFW	KERSHAM BRIDGE	R00B003	1B	1A	7.1	1A	8.4	1A	21.0	1B	72.2	1B	4.3	1A	0.200	1A	0.010	1A	15.3	1A	32.8	1A	48.5
TFW	KINGFORD	R00B004	2	1A	7.1	1A	8.4	1A	20.9	2	55.0	1B	3.6	1A	0.120	1A	0.010	1A	13.4	1A	6.0	1A	16.0
TFW	UMBERLEIGH	R00B015	1B	1A	7.1	1A	8.0	1A	20.9	1B	72.3	1B	3.9	1A	0.186	1A	0.010	1A	18.7	1A	7.0	1A	17.0
TFW	CHAPELTON FODDERIDGE	R00B014	1B	1A	6.9	1A	8.1	1A	21.0	1B	80.0	1B	4.3	1A	0.175	1A	0.010	1A	21.4	1A	7.6	1A	20.6
TFW	NEW BRIDGE	R00B005	1B	1A	7.1	1A	8.2	1A	19.8	1B	77.4	1B	4.1	1A	0.176	1A	0.010	1A	17.8	1A	8.6	1A	24.2
CHEN	VELATOR BRIDGE	R00A002	2	1A	7.2	1A	8.0	1A	16.5	1B	73.4	2	6.6	1B	0.332	1A	0.010	1A	16.8	1A	7.5	1A	20.8
ROML WIDER	OLD RAILWAY BRIDGE, VELATOR	R00A006	1B	1A	7.2	1A	8.1	1A	16.7	1B	77.7	1B	3.9	1A	0.258	1A	0.010	1A	18.9	1A	8.4	1A	14.3
BRADFORD WIDER	BLAKEWELL	R00A001	1B	1A	7.2	1A	7.8	1A	17.3	1A	83.4	1B	3.2	1A	0.183	1A	0.010	1A	11.4	1A	9.5	1A	16.8
YEO(BARNSTAPLE)	BROOKHAM BRIDGE	R00H001	1B	1A	7.2	1A	7.8	1A	15.0	1B	74.8	1A	2.4	1A	0.180	1A	0.010	1A	8.9	1A	6.5	1A	15.8
YEO(BARNSTAPLE)	OLLARD BRIDGE	R00H006	1B	1A	7.2	1A	7.9	1A	15.0	1B	78.2	1A	2.6	1A	0.120	1A	0.010	1A	8.0	1A	6.0	1A	11.4
REE STREAM	WESTLANDS FOLDS RESERVOIR	R00H008	1A	1A	7.2	1A	7.7	1A	19.0	1A	88.0	1A	2.0	1A	0.150	1A	0.010	1A	2.4	-	-	-	-
REE STREAM	BARTON FLEMMING	R00H009	1B	1A	6.9	1A	7.6	1A	16.1	1A	88.8	1B	3.8	1A	0.040	1A	0.010	1A	8.8	1A	11.0	1A	11.6
REE STREAM	LOSHORE CROSS	R00H004	1A	1A	7.0	1A	7.8	1A	15.5	1A	82.8	1A	2.4	1A	0.117	1A	0.010	1A	6.2	1A	6.1	1A	5.1
VERN	LANREY	R00A003	3	1A	7.4	1A	8.1	1A	15.9	1B	75.5	2	7.8	1A	0.140	1A	0.010	3	37.9	1A	47.8	1A	83.5
VERN	BISHOPS TOWN	R00A004	3	1A	7.3	1A	8.4	1A	16.7	1B	71.3	2	8.5	1A	0.208	1A	0.010	3	56.9	1A	16.0	1A	488.5
LANGHAM LAKE	LANGRIDGEFORD	R00B016	2	1A	7.1	1A	7.8	1A	18.0	1B	79.0	2	5.5	1A	0.280	1A	0.010	1A	9.3	1A	5.0	1A	28.0
LANGHAM LAKE	LANGHAM BRIDGE	R00B006	1B	1A	6.9	1A	7.9	1A	18.7	1B	67.0	1B	5.0	1A	0.138	1A	0.010	1A	13.6	1A	27.5	1A	29.7
SPARKIDGE BROOK	SPARKIDGE BRIDGE	R00B012	2	1A	7.3	1A	7.9	1A	18.5	1B	73.2	2	5.3	1A	0.305	1A	0.010	1A	10.5	1A	5.8	1A	18.3
MOLE	NORTH MOLETON	R00F001	2	1A	6.9	1A	7.6	1A	16.7	1A	81.0	2	5.2	1A	0.200	1A	0.010	1A	5.7	1A	10.0	1A	13.0
MOLE	BARNHOUSE	R00F002	1B	1A	7.0	1A	7.8	1A	16.0	1B	80.0	1B	3.7	1A	0.175	1A	0.010	1A	8.5	1A	8.0	1A	14.0
MOLE	BRICK TO RIVER YEO	R00F003	2	1A	6.9	1A	7.9	1A	17.0	2	58.3	1B	3.4	1A	0.276	1A	0.010	1A	10.8	1A	10.0	1A	120.9
MOLE	NEW BRIDGE	R00F004	1B	1A	7.0	1A	8.2	1A	17.0	1B	79.0	1A	2.9	1A	0.150	1A	0.010	1A	9.5	1A	7.0	1A	34.0
MOLE	MOLE BRIDGE	R00F005	1B	1A	7.1	1A	7.9	1A	17.7	1B	75.7	1A	2.9	1A	0.120	1A	0.010	1A	9.0	1A	6.0	1A	11.5
MOLE	HEAD BARTON	R00F006	2	1A	7.1	1A	7.9	1A	17.5	2	52.0	1A	2.1	1A	0.090	1A	0.010	1A	6.6	1A	7.9	1A	8.0
BRAY	CHALLACOMBE	R00G001	1A	1A	6.8	1A	7.7	1A	18.0	1A	80.2	1A	1.9	1A	0.040	1A	0.010	1A	5.0	1A	11.7	1A	12.0
BRAY	LEEDHAM FORD	R00G011	2	1A	6.7	1A	7.7	1A	18.0	1A	90.1	1B	3.5	1A	0.088	1A	0.010	1A	10.7	2	48.9	1A	23.9

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT  
 CRICHMENT: TW (33)

River	Reach upstream of	User Ref. Number	90 RNC Class	Calculated Determinand Statistics used for Quality Assessment																			
				pH Lower Class 5kile		pH Upper Class 95kile		Temperature Class 95kile		DO (%) Class 5kile		BOD (MBU) Class 95kile		Total Ammonia Class 95kile		Union. Ammonia Class 95kile		S.Solids Class Mean		Total Copper Class 95kile		Total Zinc Class 95kile	
BRAY	BRAYFORD	[R30G002]	1A	1A	6.8	1A	7.8	1A	19.2	1A	86.1	1A	2.2	1A	0.043	1A	0.010	1A	4.8	1A	8.0	1A	10.0
BRAY	BRAYLEY BRIDGE	[R30G003]	1A	1A	7.2	1A	8.5	1A	17.4	1A	88.2	1A	1.9	1A	0.047	1A	0.010	1A	4.5	-	-	-	-
BRAY	BRAY BRIDGE	[R30G012]	1A	1A	7.2	1A	8.0	1A	17.0	1A	93.0	1A	2.0	1A	0.150	1A	0.010	1A	5.8	-	-	-	-
BRAY	MEENE BRIDGE	[R30G004]	2	1A	7.1	1A	7.9	1A	17.0	2	55.0	1A	2.2	1A	0.080	1A	0.010	1A	7.6	1A	5.0	1A	13.0
BRADFORD WATER	CLARKEWHY	[R30G013]	3	1A	7.1	1A	7.9	1A	18.0	1B	77.1	3	15.5	3	9.076	3	0.070	1A	10.9	-	-	-	-
HOLENDR (MOLLAND)	LITTLEHAM BRIDGE	[R30G005]	1A	1A	7.0	1A	7.9	1A	16.4	1A	91.0	1A	1.7	1A	0.028	1A	0.010	1A	3.9	1A	9.4	1A	8.2
LITTLE SILVER STREAM	COOM BRIDGE	[R30F010]	2	1A	7.0	1A	7.8	1A	17.9	1B	64.2	2	6.3	1A	0.223	1A	0.010	1A	18.5	-	-	-	-
LITTLE SILVER STREAM	ALNEAR	[R30F011]	1B	1A	7.0	1A	7.8	1A	16.0	1B	64.5	1A	2.2	1A	0.079	1A	0.010	1A	4.4	1A	6.0	1A	7.0
CROOKED OAK	ASHMILL	[R30F023]	1B	1A	6.8	1A	7.7	1A	13.0	1B	75.0	1B	4.9	1B	0.320	1A	0.010	1A	8.3	1A	5.0	1A	17.0
CROOKED OAK	A.373 BRIDGE AT ALNEAR	[R30F007]	1B	1A	6.9	1A	7.8	1A	17.3	1B	62.5	1A	2.6	1A	0.080	1A	0.010	1A	11.1	1A	5.5	1A	11.5
YED(MOLLAND)	ROTHSALL MILL	[R30F008]	1B	1A	7.1	1A	7.9	1A	16.0	1A	85.1	1B	3.9	1A	0.300	1A	0.010	1A	9.7	1A	6.9	1A	20.9
YED(MOLLAND)	VERNEY	[R30F024]	1A	1A	7.0	1A	7.7	1A	15.0	1A	92.0	1A	2.1	1A	0.050	1A	0.010	1A	9.8	1A	8.0	1A	8.0
YED(MOLLAND)	GRILSTONE	[R30F009]	1B	1A	7.0	1A	7.8	1A	16.0	1B	66.0	1A	2.4	1A	0.040	1A	0.010	1A	9.5	1A	6.0	1A	6.0
SHEENWASH STREAM	YED FARM	[R30F022]	1B	1A	6.8	1A	7.4	1A	18.0	1B	80.0	1A	2.1	1A	0.060	1A	0.010	1A	6.9	-	-	-	-
NORTH RADCRIFT STREAM	BELOW BRAYHAM BRIDGE	[R30G010]	2	1A	6.8	1A	7.4	1A	15.0	1B	70.0	1A	2.2	1A	0.100	1A	0.010	1A	5.5	2	50.0	1A	50.0
MILLY BROOK	HINESFORD BRIDGE	[R30B007]	2	1A	7.1	1A	7.7	1A	17.5	2	48.3	1B	3.8	1A	0.236	1A	0.010	1A	10.7	1A	7.4	1A	31.0
HOLLOCOMBE WATER	WOODROBERTS	[R30B008]	2	1A	6.9	1A	7.8	1A	16.9	1A	83.1	2	6.5	1A	0.299	1A	0.010	1A	18.4	1A	7.0	1A	19.6
HOLLOCOMBE WATER	BRIDGE REEVE	[R30B009]	1B	1A	7.1	1A	7.7	1A	16.2	1B	77.9	1A	2.2	1A	0.050	1A	0.010	1A	6.1	1A	6.7	1A	6.7
LITTLE DART RIVER	NEW BRIDGE	[R30E001]	1A	1A	6.5	1A	7.7	1A	17.1	1A	81.0	1A	2.2	1A	0.135	1A	0.010	1A	5.1	-	-	-	-
LITTLE DART RIVER	STONE MILL BRIDGE	[R30E002]	1B	1A	6.8	1A	7.7	1A	18.0	1A	82.0	1B	4.6	1A	0.220	1A	0.010	1A	12.5	1A	7.0	1A	23.0
LITTLE DART RIVER	DART BRIDGE	[R30E003]	2	1A	7.0	1A	7.7	1A	17.7	2	52.1	1A	2.7	1A	0.218	1A	0.010	1A	4.4	1A	7.5	1A	15.5
HUNTINGTON WATER	CHUMLEIGH	[R30E005]	2	1A	6.8	1A	7.7	1A	17.0	1A	81.0	2	5.3	1B	0.450	1A	0.010	1A	5.6	-	-	-	-
STURCOMBE RIVER	BRADFORD TRACY	[R30E006]	1B	1A	6.8	1A	7.6	1A	19.3	1B	76.4	1A	2.6	1A	0.117	1A	0.010	1A	8.1	1A	5.9	1A	21.8
YED(LAFFORD)	BOW BRIDGE	[R30D004]	2	1A	7.1	1A	8.0	1A	18.7	2	48.5	1B	3.7	1A	0.177	1A	0.010	1A	8.4	-	-	-	-
YED(LAFFORD)	ZEAL MONACHORUM	[R30D012]	1B	1A	7.0	1A	8.5	1A	18.0	1B	63.3	1B	3.2	1A	0.160	1A	0.010	1A	13.7	1A	10.8	1A	16.9
YED(LAFFORD)	BURY BRIDGE	[R30D005]	1B	1A	7.1	1A	8.2	1A	19.0	1B	69.0	1B	3.6	1A	0.207	1A	0.010	1A	11.1	-	-	-	-
YED(LAFFORD)	WIMET BRIDGE	[R30D006]	2	1A	7.1	1A	8.4	1A	17.7	2	57.7	1B	3.9	1B	0.577	1A	0.010	1A	7.9	1A	9.3	1A	29.4
DLCH	MILL BRIDGE	[R30C001]	3	1A	6.5	1A	7.8	1A	16.3	3	33.9	1B	4.1	3	3.143	3	0.046	1A	7.6	-	-	-	-
DLCH	CHRY'S MILL BRIDGE	[R30C011]	2	1A	7.0	1A	8.3	1A	19.0	2	59.0	1B	5.0	1B	0.630	1A	0.010	1A	7.7	1A	10.0	1A	14.0
DLCH	PRIOR TO CONFLUENCE WITH RIVER YED	[R30C003]	4	1A	7.0	1A	8.3	1A	19.5	3	12.3	4	136.3	3	10.528	3	0.095	3	32.6	2	153.5	1A	186.0

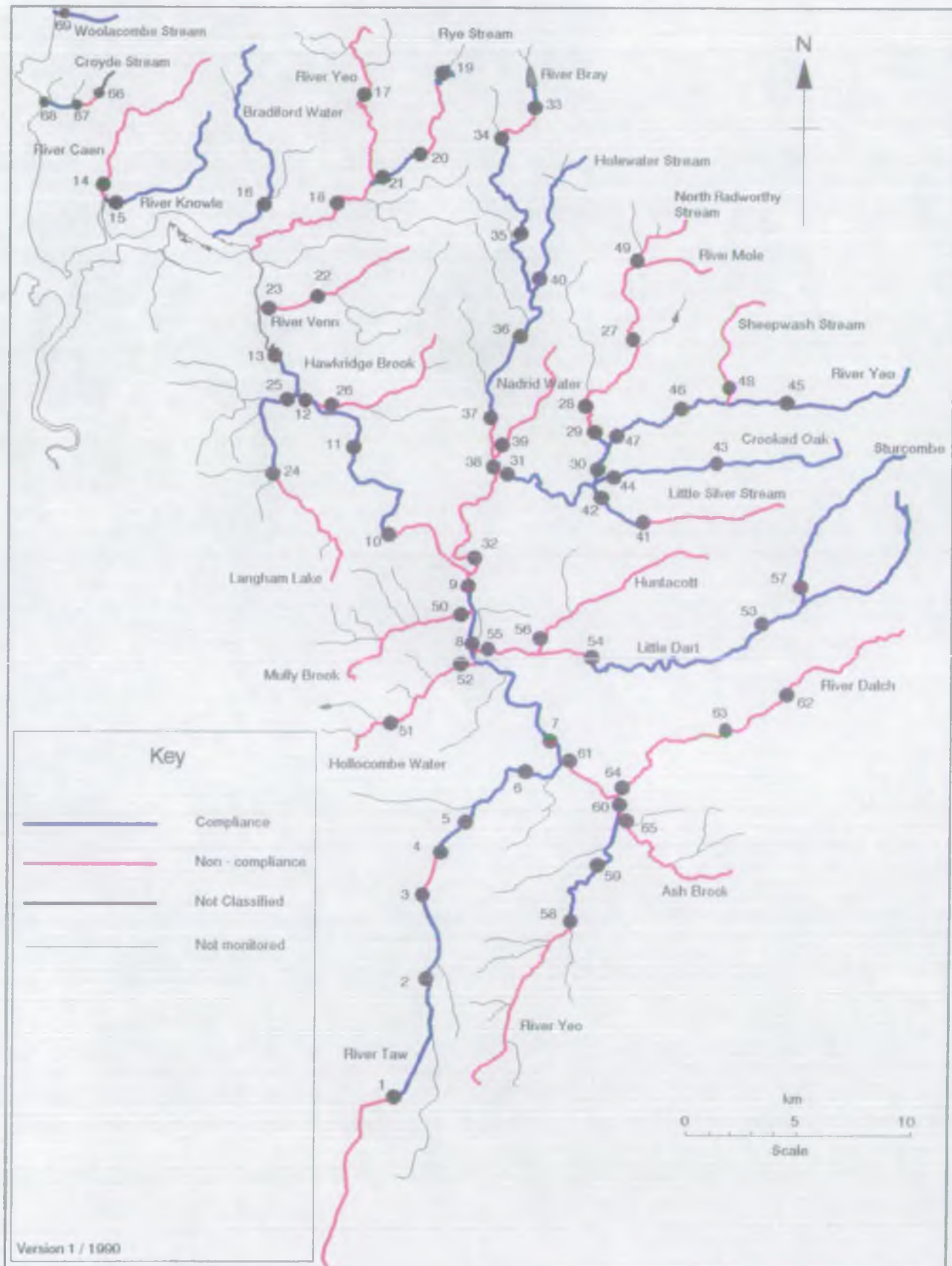


NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT  
 CATCHMENT: TW (33)

River	Reach upstream of	User Ref. Number	90 NWC Class	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	
ASH BROOK	A377 PRIOR TO YED RIVER	R300013	3	1A	6.9	1A	8.0	1A	18.0	3	36.0	1B	5.0	2	1.460	1A	0.010	1A	12.2	1A	9.0	1A	269.0
CHROME STREAM	FORDA	R300031	3	1A	7.8	1A	8.2	1A	18.0	1A	83.0	2	6.1	1A	0.270	1A	0.010	3	35.0	-	-	-	-
CHROME STREAM	CHROME	R300028	1B	1A	7.6	1A	8.4	1A	17.9	1A	80.4	1B	5.0	1B	0.462	1A	0.010	1A	24.1	1A	6.9	1A	14.8
MOULACREE STREAM	PRIOR TO BEACH	R300005	1A	1A	7.4	1A	8.0	1A	17.9	1A	87.0	1A	2.7	1A	0.088	1A	0.010	1A	18.0	1A	8.0	1A	30.8



# Taw Catchment Compliance - 1990





NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

1990 RIVER WATER QUALITY CLASSIFICATION

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

CRITERION: DW (33)

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	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P
TW	A.30 BRIDGE AT STOKESBURY	R30C001	26	1	26	-	26	-	26	-	26	-	26	-	17	-	26	-	16	-	16	-
TW	ROMEN MOOR	R30C002	26	-	26	-	26	-	26	-	26	-	26	-	22	-	26	-	2	-	2	-
TW	YEO FARM	R30C003	25	-	25	-	25	-	25	-	25	-	25	-	25	-	25	-	0	-	0	-
TW	BONLEIGH	R30C004	25	-	25	-	25	-	25	-	25	1	25	-	24	-	25	1	0	-	0	-
TW	TW BRIDGE	R30C005	31	-	31	-	31	-	31	-	31	1	31	1	30	-	31	-	31	-	31	-
TW	HIGHER PARK	R30C006	26	-	26	-	26	-	26	-	26	-	26	-	25	-	26	-	0	-	0	-
TW	CHENSON	R30B001	26	-	26	-	26	-	26	-	26	-	26	-	25	-	26	2	26	-	26	-
TW	NEIGHAM BRIDGE	R30B002	40	-	40	-	40	1	40	1	40	-	40	-	38	-	40	3	40	-	40	-
TW	NONHAM BRIDGE	R30B003	40	-	40	-	40	1	40	1	40	1	40	-	38	-	40	6	40	1	40	-
TW	KINGFORD	R30B004	39	-	39	-	40	1	39	2	39	-	39	-	38	-	39	5	39	-	39	-
TW	UMERLEIGH	R30B015	20	-	20	-	20	-	20	-	20	-	20	-	19	-	20	3	20	-	20	-
TW	CHAPLTON FORD BRIDGE	R30B014	54	-	54	-	56	1	52	-	53	1	53	-	49	-	53	11	53	-	53	-
TW	NEW BRIDGE	R30B005	43	-	43	-	43	1	41	-	43	1	43	-	42	-	43	7	43	-	43	-
CHEN	VELDOR BRIDGE	R30A002	34	-	34	-	31	-	31	-	34	2	34	-	28	-	34	7	34	-	34	-
WALTON WATER	OLD RAILWAY BRIDGE, VELDOR	R30A006	35	-	35	-	32	-	32	-	35	-	35	-	32	-	35	8	35	-	34	-
BRADFORD WATER	BLAKEMILL	R30A001	36	-	36	-	33	-	33	-	36	1	36	-	32	-	36	1	36	-	36	-
YEO (BRANSDALE)	BROOKHAM BRIDGE	R30H001	29	-	29	-	27	-	27	2	29	-	29	-	26	-	30	1	30	-	30	-
YEO (BRANSDALE)	COLLARD BRIDGE	R30H006	55	-	55	-	51	-	51	3	55	-	55	-	50	-	55	4	55	-	55	-
RYE STREAM	MISTLANDFORD RESERVOIR	R30H008	12	-	12	-	12	-	12	-	12	-	12	-	10	-	12	-	12	-	12	-
RYE STREAM	BRITON FLEMPING	R30H009	31	-	31	-	31	-	31	-	31	1	31	-	28	-	31	2	31	-	31	-
RYE STREAM	LOWERE CROSS	R30H004	37	-	37	-	34	-	34	1	37	-	37	-	34	-	37	1	37	-	37	-
VERN	LANDREY	R30A003	20	-	20	-	20	-	20	-	20	1	20	-	20	-	20	6	20	-	20	-
VERN	BISHOPS TUNION	R30A004	36	-	36	-	32	-	32	-	36	2	36	-	32	-	36	15	36	-	36	1
LANGHAM LAKE	LANGRIDGEFORD	R30B016	18	-	18	-	18	-	17	-	18	1	18	-	18	-	18	-	18	-	18	-
LANGHAM LAKE	LANGHAM BRIDGE	R30B006	30	-	30	-	30	-	29	-	30	1	30	-	28	-	30	5	30	1	30	-
SPARTRIDGE BROOK	SPARTRIDGE BRIDGE	R30B012	24	-	24	-	24	-	23	-	24	2	24	-	24	-	24	2	24	-	24	-
MOLE	NORTH MOLTON	R30F001	26	-	26	-	26	-	26	-	26	1	25	-	25	-	26	1	16	-	16	-
MOLE	BARHOUSE	R30F002	25	-	25	-	25	-	25	1	25	3	25	-	25	-	25	2	15	-	15	-
MOLE	TRIO TO RIVER YEO	R30F003	40	-	40	-	40	-	40	2	40	1	40	1	40	-	40	4	40	1	40	-
MOLE	NEW BRIDGE	R30F004	39	-	39	-	39	-	39	1	39	-	39	-	38	-	39	3	39	1	39	-
MOLE	MOLE BRIDGE	R30F005	54	-	54	-	46	-	46	1	54	-	54	-	44	-	54	4	54	1	54	-
MOLE	HEAD BRITON	R30F006	40	-	40	-	39	-	39	2	40	-	40	-	35	-	40	2	40	-	40	-
BRAY	CHALLACOMBE	R30G001	20	-	20	-	20	-	20	-	19	-	20	-	16	-	20	1	20	-	20	-
BRAY	LEEFM FORD	R30G011	20	-	20	-	20	-	20	-	20	2	20	-	17	-	20	2	20	1	20	-

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

1990 RIVER WATER QUALITY CLASSIFICATION

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

CATCHMENT: 1PW (33)

River	Reach upstream of	User Ref. Number	pH Lower		pH Upper		Temperature		DO (%)		BOD (RTU)		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
BRAY	BRAYFORD	R30G002	26	-	26	-	26	-	26	-	26	-	26	-	23	-	26	1	16	-	16	-
BRAY	BRAYLEY BRIDGE	R30G003	25	-	25	-	25	-	25	-	25	-	25	-	19	-	25	-	0	-	0	-
BRAY	BRAY BRIDGE	R30G012	12	-	12	-	12	-	12	-	12	-	12	-	11	-	12	-	0	-	0	-
BRAY	PEZZIE BARNON	R30G004	39	-	39	-	39	-	39	2	39	1	39	-	37	-	39	1	39	-	39	-
RACROD WATER	CLAWORTHY	R30G013	20	-	20	-	20	-	20	-	20	2	20	3	19	1	20	2	0	-	0	-
HOLDWATER (MOLLAND)	LINKELEIGH BRIDGE	R30G005	31	-	31	-	31	-	31	-	31	-	31	-	27	-	31	1	31	-	31	-
LITTLE SILVER STREAM	ODPM BRIDGE	R30F010	20	-	20	-	20	-	20	-	20	1	20	-	20	-	20	1	0	-	0	-
LITTLE SILVER STREAM	ALSNEAR	R30F011	40	-	40	-	40	-	40	1	40	-	40	-	38	-	40	-	40	-	40	-
CROOKED COK	ASHMILL	R30F023	12	-	12	-	12	-	12	-	12	-	12	-	12	-	12	1	12	-	12	-
CROOKED COK	A.373 BRIDGE AT ALSNEAR	R30F007	49	-	49	-	48	-	49	2	49	1	49	-	48	-	49	1	49	-	49	-
YED(MOLLAND)	BOTTREUX MILL	R30F008	40	-	40	-	40	-	40	-	40	1	40	-	39	-	40	3	40	-	40	-
YED(MOLLAND)	VERNEY	R30F024	11	-	11	-	11	-	11	-	11	-	11	-	11	-	11	1	11	-	11	-
YED(MOLLAND)	GRILLSTONE	R30F009	40	-	40	-	40	-	40	-	40	-	39	-	36	-	40	4	40	-	40	-
SHEERWICH STREAM	YED FARM	R30F022	19	-	19	-	19	-	19	-	19	-	19	-	16	-	19	2	0	-	0	-
NORTH RADMORTHY STREAM	BELOW BARNHAM BRIDGE	R30G010	19	-	19	-	19	-	19	1	19	-	19	-	16	-	19	-	19	1	19	-
MULLY BROOK	SPREYFORD BRIDGE	R30E007	31	-	31	-	30	-	30	2	31	-	31	-	30	-	31	3	31	-	31	-
HOLLOCOMBE WATER	MOOREBERRIS	R30E008	20	-	20	-	20	-	20	-	20	1	20	-	20	-	20	2	20	-	20	-
HOLLOCOMBE WATER	BRIDGE REEVE	R30E009	25	-	25	-	25	-	25	1	25	-	25	-	23	-	25	1	25	-	25	-
LITTLE DART RIVER	NEW BRIDGE	R30E001	25	-	25	-	25	-	25	-	25	-	25	-	23	-	25	-	0	-	0	-
LITTLE DART RIVER	STONE MILL BRIDGE	R30E002	19	-	19	-	19	-	19	-	19	-	19	-	19	-	19	2	19	-	19	-
LITTLE DART RIVER	DART BRIDGE	R30E003	30	-	30	-	30	-	30	2	30	-	30	-	28	-	30	-	30	-	30	-
HINDCOTT WATER	CHUMLEIGH	R30E005	19	-	19	-	19	-	19	-	19	1	19	-	18	-	19	-	0	-	0	-
STURCOMBE RIVER	BRADFORD TRACY	R30E006	21	-	21	-	21	-	21	-	21	-	21	-	21	-	21	2	21	-	21	-
YED(LAFFORD)	BOW BRIDGE	R30C004	25	-	25	-	25	-	25	2	25	-	25	-	23	-	25	1	0	-	0	-
YED(LAFFORD)	ZEAL MONACHOLM	R30C012	20	-	20	-	20	-	20	-	20	-	20	-	19	-	20	3	20	-	20	-
YED(LAFFORD)	BURY BRIDGE	R30C005	25	-	25	-	24	-	24	-	25	-	25	-	24	-	25	1	0	-	0	-
YED(LAFFORD)	NET BRIDGE	R30C006	26	-	26	-	26	-	26	1	26	-	26	1	24	-	26	1	26	-	26	-
DALCH	MILL BARNON	R30C001	26	-	26	-	26	-	26	5	26	-	26	2	26	1	26	1	0	-	0	-
DALCH	OWN'S MILL BRIDGE	R30C011	19	-	19	-	19	-	19	1	19	-	19	-	19	-	19	-	19	-	19	-
DALCH	PRIOR TO CONFLUENCE WITH RIVER YED	R30C003	24	-	24	-	24	-	24	8	24	4	24	6	24	4	24	2	24	1	24	-

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION

1990 RIVER WATER QUALITY CLASSIFICATION

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

CATCHMENT: TDW (33)

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
ASH BROOK	A377 PRIOR TO YED RIVER	R300013	19	-	19	-	19	-	19	7	19	-	19	1	19	-	19	1	19	-	19	-
CRONDE STREAM	PONDA	R30A031	13	-	13	-	13	-	13	-	13	1	13	-	13	-	13	5	0	-	0	-
CRONDE STREAM	CRONDE	R30A028	20	-	20	-	20	-	20	-	20	-	20	-	20	-	20	5	20	-	20	-
WOOLACOMBE STREAM	PRIOR TO BEACH	R30A005	20	-	20	-	20	-	20	-	20	-	20	-	20	-	20	4	20	-	20	-

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS  
 CATCHMENT: TAW 33

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
TAW	A.30 BRIDGE AT STICKLEPATH	R30C001	6	-	-	-	-	-	-	-	-	-
TAW	ROWDEN MOOR	R30C002	-	-	-	-	-	-	-	-	-	-
TAW	YEO FARM	R30C003	-	-	-	-	-	-	-	-	-	-
TAW	BONDLEIGH	R30C004	-	-	-	-	78	-	-	-	-	-
TAW	TAW BRIDGE	R30C005	-	-	-	-	-	-	-	-	-	-
TAW	HIGHER PARK	R30C006	-	-	-	-	-	-	-	-	-	-
TAW	CHENSON	R30B001	-	-	-	-	-	-	-	-	-	-
TAW	KERSHAM BRIDGE	R30B002	-	-	-	-	-	-	-	-	-	-
TAW	NEWMHAM BRIDGE	R30B003	-	-	-	-	-	-	-	-	-	-
TAW	KINGFORD	R30B004	-	-	-	8	-	-	-	-	-	-
TAW	UMBERLEIGH	R30B015	-	-	-	-	-	-	-	-	-	-
TAW	CHAPELTON FOOTBRIDGE	R30B014	-	-	-	-	-	-	-	-	-	-
TAW	NEW BRIDGE	R30B005	-	-	-	-	-	-	-	-	-	-
CAEN	VELATOR BRIDGE	R30A002	-	-	-	-	31	-	-	-	-	-
KNOWL WATER	OLD RAILWAY BRIDGE, VELATOR	R30A006	-	-	-	-	-	-	-	-	-	-
BRADIFORD WATER	BLAKEWELL	R30A001	-	-	-	-	-	-	-	-	-	-
YEO (BARNSTAPLE)	BROCKHAM BRIDGE	R30H001	-	-	-	6	-	-	-	-	-	-
YEO (BARNSTAPLE)	COLLARD BRIDGE	R30H006	-	-	-	2	-	-	-	-	-	-
RYE STREAM	WISTLANDPOND RESERVOIR	R30H008	-	-	-	-	-	-	-	-	-	-
RYE STREAM	BRATTON FLEMPING	R30H009	-	-	-	-	28	-	-	-	-	-
RYE STREAM	LOXHORE CROSS	R30H004	-	-	-	-	-	-	-	-	-	-
VENN	LANDKEY	R30A003	-	-	-	-	55	-	-	51	-	-
VENN	BISHOPS TAMTON	R30A004	-	-	-	-	69	-	-	127	-	-
LANGHAM LAKE	LANGRIDGEFORD	R30B016	-	-	-	-	10	-	-	-	-	-
LANGHAM LAKE	LANGHAM BRIDGE	R30B006	-	-	-	-	-	-	-	-	-	-
HAWKRIDGE BROOK	HAWKRIDGE BRIDGE	R30B012	-	-	-	-	5	-	-	-	-	-
MOLE	NORTH MOLTON	R30F001	-	-	-	-	3	-	-	-	-	-
MOLE	PARKHOUSE	R30F002	-	-	-	-	23	-	-	-	-	-
MOLE	PRIOR TO RIVER YEO	R30F003	-	-	-	3	-	-	-	-	-	-
MOLE	NEW BRIDGE	R30F004	-	-	-	-	-	-	-	-	-	-
MOLE	MOLE BRIDGE	R30F005	-	-	-	-	-	-	-	-	-	-
MOLE	HEAD BARTON	R30F006	-	-	-	13	-	-	-	-	-	-
BRAY	CHALLACOMBE	R30G001	-	-	-	-	-	-	-	-	-	-
BRAY	LEEHAM FORD	R30G011	-	-	-	-	16	-	-	-	122	-



NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS  
 CATCHMENT: TAW 33

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
BRAY	BRAYFORD	R30G002	-	-	-	-	-	-	-	-	-	-
BRAY	BRAYLEY BRIDGE	R30G003	-	-	-	-	-	-	-	-	-	-
BRAY	BRAY BRIDGE	R30G012	-	-	-	-	-	-	-	-	-	-
BRAY	MEETHE BARTON	R30G004	-	-	-	31	-	-	-	-	-	-
NADRID WATER	CLAPWORTHY	R30G013	-	-	-	-	211	1197	233	-	-	-
HOLEWATER (MOLLAND)	LINKLEYHAM BRIDGE	R30G005	-	-	-	-	-	-	-	-	-	-
LITTLE SILVER STREAM	ODAM BRIDGE	R30F010	-	-	-	-	26	-	-	-	-	-
LITTLE SILVER STREAM	ALSWEAR	R30F011	-	-	-	-	-	-	-	-	-	-
CROOKED OAK	ASHMILL	R30F023	-	-	-	-	-	-	-	-	-	-
CROOKED OAK	A.373 BRIDGE AT ALSWEAR	R30F007	-	-	-	-	-	-	-	-	-	-
YEO(MOLLAND)	BOTTREAUX MILL	R30F008	-	-	-	-	-	-	-	-	-	-
YEO(MOLLAND)	VERABY	R30F024	-	-	-	-	-	-	-	-	-	-
YEO(MOLLAND)	GRILSTONE	R30F009	-	-	-	-	-	-	-	-	-	-
SHEEPWASH STREAM	YEO FARM	R30F022	-	-	-	-	-	-	-	-	-	-
NORTH RADWORTHY STREAM	BELOW BARNHAM BRIDGE	R30G010	-	-	-	13	-	-	-	-	127	-
MULLY BROOK	HANSFORD BRIDGE	R30B007	-	-	-	20	-	-	-	-	-	-
HOLLOCOMBE WATER	WOODROBERTS	R30B008	-	-	-	-	117	-	-	-	-	-
HOLLOCOMBE WATER	BRIDGE REEVE	R30B009	-	-	-	3	-	-	-	-	-	-
LITTLE DART RIVER	NEW BRIDGE	R30E001	-	-	-	-	-	-	-	-	-	-
LITTLE DART RIVER	STONE MILL BRIDGE	R30E002	-	-	-	-	-	-	-	-	-	-
LITTLE DART RIVER	DART BRIDGE	R30E003	-	-	-	13	-	-	-	-	-	-
HUNTACOTT WATER	CHULMLEIGH	R30E005	-	-	-	-	6	-	-	-	-	-
STURCOMBE RIVER	BRADFORD TRACY	R30E006	-	-	-	-	-	-	-	-	-	-
YEO(LAPFORD)	BOW BRIDGE	R30D004	-	-	-	19	-	-	-	-	-	-
YEO(LAPFORD)	ZEAL MONACHORUM	R30D012	-	-	-	-	-	-	-	-	-	-
YEO(LAPFORD)	BURY BRIDGE	R30D005	-	-	-	-	-	-	-	-	-	-
YEO(LAPFORD)	NYMET BRIDGE	R30D006	-	-	-	4	-	-	-	-	-	-
DALCH	MILL BARTON	R30D001	-	-	-	44	-	349	119	-	-	-
DALCH	CANN'S MILL BRIDGE	R30D011	-	-	-	2	-	-	-	-	-	-
DALCH	PRIOR TO CONFLUENCE WITH RIVER YE	R30D003	-	-	-	80	2625	1404	352	31	284	-

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
 1990 RIVER WATER QUALITY CLASSIFICATION  
 PERCENTAGE EXCEEDENCE OF DETERMINAND STATISTICS FROM QUALITY STANDARDS  
 CATCHMENT: TAW 33

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
ASH BROOK	A377 PRIOR TO YEO RIVER	R30D013	-	-	-	40	-	109	-	-	-	-
CROYDE STREAM	FORDA	R30A031	-	-	-	-	22	-	-	40	-	-
CROYDE STREAM	CROYDE	R30A028	-	-	-	-	-	-	-	-	-	-
WOOLACOMBE STREAM	PRIOR TO BEACH	R30A005	-	-	-	-	-	-	-	-	-	-



NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
IDENTIFICATION OF POSSIBLE CAUSES OF NON-COMPLIANCE WITH RQO  
CATCHMENT: TAW (33)

\* = WORK ALREADY IN HAND

1990 Map Position Number	River	Reach upstream of	User Reference Number	Reach Length (km)	Possible causes of non-compliance
1	TAW	A.30 BRIDGE AT STICKLEPATH	R30C001	11.4	CATCHMENT GEOLOGY, MOORLAND ORIGINS, UP-STREAM ABSTRACTIONS, DROUGHT
4	TAW	* BONDLEIGH	R30C004	2.3	FARMING ACTIVITIES, INDUSTRIAL DISCHARGE, SEWAGE TREATMENT WORKS
10	TAW	* KINGFORD	R30B004	5.6	LOW FLOWS
14	CAEN	VELATOR BRIDGE	R30A002	11.9	URBANISATION, UP-STREAM ABSTRACTIONS, INDUSTRIAL DISCHARGE
17	YEO(BARNSTAPLE)	BROCKHAM BRIDGE	R30H001	4.5	DROUGHT, UP-STREAM ABSTRACTIONS, FARMING
18	YEO(BARNSTAPLE)	COLLARD BRIDGE	R30H006	8.0	DROUGHT, FISH FARM EFFLUENT, UP-STREAM ABSTRACTIONS
20	RYE STREAM	BRATTON FLEMING	R30H009	5.0	FARMING ACTIVITIES, WATER TREATMENT WORKS DISCHARGE
22	VERN	LANDKEY	R30A003	5.4	FISH FARM EFFLUENT, CHINA CLAY EFFLUENT, URBANISATION, ENGINEERING WORKS (LINK ROAD)
23	VERN	* BISHOPS TAWTON	R30A004	2.8	MINING, CHINA CLAY DISCHARGE, INDUSTRIAL DISCHARGE
24	LANGHAM LAKE	LANGRIDGEFORD	R30B016	6.7	FARMING ACTIVITIES
26	HAWKRIDGE BROOK	* HAWKRIDGE BRIDGE	R30B012	7.8	FARMING ACTIVITIES, SEWAGE TREATMENT WORKS
27	MOLE	NORTH MOLTON	R30F001	8.5	FISH FARM EFFLUENT, UP-STREAM ABSTRACTIONS, SEPTIC TANK
28	MOLE	PARKHOUSE	R30F002	5.4	INDUSTRIAL DISCHARGE, CULVERTING, POOR QUALITY UP-STREAM TRIB., WASTE DISPOSAL SITE
29	MOLE	PRIOR TO RIVER YEO	R30F003	2.1	SEWAGE TREATMENT WORKS
32	MOLE	HEAD BARTON	R30F006	7.3	UP-STREAM ABSTRACTIONS, ENGINEERING WORKS (HEAD WEIR REPAIRS)
34	BRAY	LEEHAM FORD	R30G011	2.3	UP-STREAM ABSTRACTIONS, ENGINEERING WORKS, MOORLAND ORIGINS
38	BRAY	MEETHE BARTON	R30G004	2.9	UP-STREAM ABSTRACTIONS, DROUGHT, POOR QUALITY UP-STREAM TRIB., FARMING ACTIVITIES
39	NADRID WATER	CLAPWORTHY	R30G013	7.7	INDUSTRIAL DISCHARGE, FARMING ACTIVITIES, EUTROPHICATION
41	LITTLE SILVER STREAM	ODAM BRIDGE	R30F010	8.4	FARMING ACTIVITIES, DROUGHT
48	SHEEPWASH STREAM	YEO FARM	R30F022	7.0	UNKNOWN POINT SOURCE, LAND RUN-OFF
49	NORTH RADWORTHY STREAM	BELOW BARHAM BRIDGE	R30G010	2.8	LAND RUN-OFF, MOORLAND ORIGINS
50	MULLY BROOK	HANSPORD BRIDGE	R30B007	7.8	UP-STREAM ABSTRACTIONS, FARMING ACTIVITIES
51	HOLLOCOMBE WATER	* WOODROBERTS	R30B008	3.3	FARMING ACTIVITIES, RUN-OFF FROM AIRFIELD
52	HOLLOCOMBE WATER	* BRIDGE REEVE	R30B009	5.3	DROUGHT, EUTROPHICATION, FARMING ACTIVITIES
55	LITTLE DART RIVER	DART BRIDGE	R30E003	6.0	DROUGHT, FARMING ACTIVITIES, UP-STREAM ABSTRACTIONS, SEWAGE TREATMENT WORKS
56	HUNTACOTT WATER	* CHULMLEIGH	R30E005	10.1	DROUGHT, FARMING ACTIVITIES

NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION  
IDENTIFICATION OF POSSIBLE CAUSES OF NON-COMPLIANCE WITH RQO  
CATCHMENT: TAW (33)

\* = WORK ALREADY IN HAND

1990 Map Position Number	River	Reach upstream of	User Reference Number	Reach Length (km)	Possible causes of non-compliance
58	YEO(LAPFORD)	BOW BRIDGE	R30D004	10.1	UP-STREAM ABSTRACTIONS, DROUGHT, FARMING ACTIVITIES, CATCHMENT GEOLOGY
61	YEO(LAPFORD)	NYMET BRIDGE	R30D006	4.3	CATCHMENT GEOLOGY, FARMING ACTIVITIES, WASTE DISPOSAL SITE (UNOFFICIAL)
62	DALCH	MILL BARTON	R30D001	6.2	DROUGHT, FARMING ACTIVITIES, CATCHMENT GEOLOGY
63	DALCH	CANN'S MILL BRIDGE	R30D011	4.1	DROUGHT, UP-STREAM ABSTRACTIONS, CATCHMENT GEOLOGY, FARMING ACTIVITIES
64	DALCH	PRIOR TO CONFLUENCE WITH RIVER	R30D003	7.5	SEWAGE TREATMENT WORKS, DROUGHT, FARMING ACTIVITIES, CATCHMENT GEOLOGY
65	ASH BROOK	A377 PRIOR TO YEO RIVER	R30D013	7.9	FARMING ACTIVITIES
67	CROYDE STREAM	FORDA	R30A031	1.5	DROUGHT, FARM DISCHARGE