

# Environmental Protection Final Draft Report

## RIVER WATER QUALITY 1992 CLASSIFICATION BY DETERMINAND

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## RIVER WATER QUALITY 1992

### CLASSIFICATION BY DETERMINAND

#### 1. INTRODUCTION

River water quality is monitored in 34 catchments in the region. Samples are collected at a minimum frequency of once a month from 422 watercourses at 890 locations within the Regional Monitoring Network. Each sample is analysed for a range of chemical and physical determinands.

These sample results are stored in the Water Quality Archive. A computerised system assigns a quality class to each monitoring location and associated upstream river reach.

This report contains the results of the 1992 river water quality classifications for each determinand used in the classification process.

#### 2. RIVER WATER QUALITY ASSESSMENT

The assessment of river water quality is by comparison of current water quality against River Quality Objectives (RQO's) which have been set for many river lengths in the region.

Individual determinands have been classified in accordance with the requirements of the National Water Council (NWC) river classification system which identifies river water quality as being one of five classes as shown in Table 1 below:

TABLE 1

#### NATIONAL WATER COUNCIL - CLASSIFICATION SYSTEM

| <u>CLASS</u> | <u>DESCRIPTION</u>  |
|--------------|---------------------|
| 1A           | Good quality        |
| 1B           | Lesser good quality |
| 2            | Fair quality        |
| 3            | Poor quality        |
| 4            | Bad quality         |

The classification criteria used for attributing a quality class to each criteria are shown in Appendix 1.

The principal key determinands are ammonia, biochemical oxygen demand (BOD) and dissolved oxygen. The NWC system also allows for the use of additional key determinands recommended by the European Inland Fisheries



Advisory Commission (EIFAC) and by the European Commission on the Directive concerning the quality of surface water intended for abstraction of drinking water (75/440/EEC).

Regional climate and river flow characteristics, geology, associated historic mining activities and related contaminated land, soil and vegetation, land use practices and topography required the incorporation into the classification system of the following additional determinands: temperature, copper, zinc, pH, non-ionised ammonia and suspended solids. Details of the application of these key determinands and associated classification criteria are included in Table 2.

The quality of river water is assessed annually using a composite of three years data. The 1992 Classification has been assessed using sample results collected between 1 January 1990 and 31 December 1992.

### 3. 1992 MONITORING PROGRAMME

A minimum frequency of one sample per month was planned for all 890 monitoring locations. For certain locations, an increased frequency was planned dependant on additional regional and national requirements.

### 4. RESULTS

Each site monitored for the 1992 River Water Quality Survey is listed in Appendix 1. For each site the classification for each individual determinand is given together with the relevant statistics and for classification purposes.

Sites are grouped in catchments for easy reference commencing with the most south easterly catchment in the region and progressing sequentially around the coast to the most north easterly catchment.

TABLE 2

## NATIONAL WATER COUNCIL (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%<br>BOD (ATU) not greater than 3mg/l 0.<br>Total ammonia not greater than 0.31 mg/l N.<br>Non-ionised ammonia not greater than 0.021 mg/l N.<br>Temperature not greater than 21.5°C<br>pH greater than 5.0 and less than 9.0<br>Suspended solids not greater than 25 mg/l.     |
| 1B | Dissolved oxygen % saturation greater than 60%.<br>BOD (ATU) not greater than 5 mg/l 0.<br>Total ammonia not greater than 0.70 mg/l N.<br>Non-ionised ammonia not greater than 0.021 mg/l N.<br>Temperature not greater than 21.5°C.<br>pH greater than 5.0 and less than 9.0.<br>Suspended solids not greater than 25 mg/l. |
| 2  | Dissolved oxygen % saturation greater than 40%.<br>BOD (ATU) not greater than 9 mg/l 0.<br>Total ammonia not greater than 1.56 mg/l N.<br>Non-ionised ammonia not greater than 0.021 mg/l N.<br>Temperature not greater than 28°C.<br>pH greater than 5.0 and less than 9.0.<br>Suspended solids not greater than 25 mg/l.   |
| 3  | Dissolved oxygen % saturation greater than 10%.<br>BOD (ATU) not greater than 17 mg/l 0.                                                                                                                                                                                                                                     |
| 4  | Dissolved oxygen % saturation not greater than 10%.<br>BOD (ATU) greater than 17 mg/l 0.                                                                                                                                                                                                                                     |

## 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    |
| pH                  | 95 percentile   |
| Suspended solids    | arithmetic mean |

TABLE 2 (CONT)

## NATIONAL WATER COUNCIL (NWC) RIVER CLASSIFICATION SYSTEM

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

## SOLUBLE COPPER

| Total Hardness (Mean)<br>mg/l CaCO <sub>3</sub> | Statistic     | Soluble Copper*<br>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 purposes until sufficient data on soluble copper can be obtained. It is anticipated that this data will be available for the 1994 Classification.

## TOTAL ZINC

| Total Hardness (Mean)<br>mg/l CaCO <sub>3</sub> | Statistic     | Total Zinc<br>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  |

**APPENDIX 1**

**CLASSIFICATION BY DETERMINAND**

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: LIM**

| River     | Reach upstream of     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-----------|-----------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|           |                       |         |     | Class 5%ile   | Class 95%ile  |                     | Class 5%ile                   | Class 95%ile        | Class 95%ile               | Class 95%ile                    | Class Mean                    | Class 95%ile              | Class 95%ile            |
| RIVER LIM | MILL GREEN LYME REGIS | R01A002 | 1B  | 1A 7.7        | 1A 8.3        | 1A 15.0             | 1A 86.8                       | 2 5.4               | 1A 0.21                    | 1A 0.010                        | 1A 20.2                       | 1A 14                     | 1A 33                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: AXE**

| River             | Reach upstream of                    | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|--------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                      |         |     | 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            |
| RIVER AXE         | A3066 BRIDGE MOSTERTON               | R02C001 | 1B  | 1A 7.7        | 1A 8.3        | 1A 16.3             | 1A 83.0                       | 2 7.4               | 1B 0.53                    | 1A 0.013                        | 1A 20.7                       | ND 0                      | ND 0                    |
| RIVER AXE         | SEABOROUGH                           | R02C002 | 1B  | 1A 7.7        | 1A 8.3        | 1A 16.3             | 1A 84.0                       | 2 6.8               | 1B 0.64                    | 1A 0.010                        | 1A 22.9                       | ND 0                      | ND 0                    |
| RIVER AXE         | CLAPTON BRIDGE                       | R02C003 | 1B  | 1A 7.8        | 1A 8.2        | 1A 15.6             | 1B 77.8                       | 2 5.3               | 2 0.71                     | 1A 0.010                        | 1A 12.1                       | ND 0                      | ND 0                    |
| RIVER AXE         | FORDE BRIDGE                         | R02C004 | 1B  | 1A 7.8        | 1A 8.3        | 1A 15.9             | 1B 78.6                       | 1B 3.3              | 1A 0.22                    | 1A 0.010                        | 1A 9.1                        | ND 0                      | ND 0                    |
| RIVER AXE         | BROOM BRIDGE                         | R02C005 | 1B  | 1A 7.6        | 1A 8.3        | 1A 16.2             | 1B 70.7                       | 1B 4.9              | 1B 0.34                    | 1A 0.010                        | 1A 14.4                       | 1A 14                     | 1A 28                   |
| RIVER AXE         | A358 BRIDGE WEYCROFT                 | R02C006 | 1B  | 1A 7.7        | 1A 8.3        | 1A 16.0             | 1A 83.4                       | 1B 3.3              | 1A 0.25                    | 1A 0.010                        | 1A 8.2                        | ND 0                      | ND 0                    |
| RIVER AXE         | BOW BRIDGE                           | R02C007 | 1B  | 1A 7.5        | 1A 8.4        | 1A 16.6             | 1A 83.8                       | 1B 4.2              | 1A 0.28                    | 1A 0.010                        | 1A 12.2                       | ND 0                      | ND 0                    |
| RIVER AXE         | SLYMLAKES                            | R02B021 | 1B  | 1A 7.6        | 1A 8.6        | 1A 17.9             | 1B 75.0                       | 1B 4.7              | 1A 0.24                    | 1A 0.010                        | 1A 13.1                       | 1A 6                      | 1A 28                   |
| RIVER AXE         | WHITFORD BRIDGE                      | R02B001 | 1B  | 1A 7.5        | 1A 8.5        | 1A 17.8             | 1B 76.6                       | 1B 4.1              | 1A 0.26                    | 1A 0.010                        | 1A 15.1                       | 1A 7                      | 1A 18                   |
| RIVER AXE         | AXE BR. BELOW COLYTON & COLYFORD STW | R02B002 | 1B  | 1A 7.5        | 1A 8.4        | 1A 18.6             | 1B 71.2                       | 2 6.6               | 1B 0.42                    | 1A 0.010                        | 1A 25.2                       | 1A 7                      | 1A 10                   |
| RIVER COLY        | WOODBIDGE                            | R02B003 | 1A  | 1A 7.2        | 1A 8.2        | 1A 15.8             | 1B 72.8                       | 1B 3.5              | 1A 0.30                    | 1A 0.010                        | 1A 12.6                       | ND 0                      | ND 0                    |
| RIVER COLY        | MEATHAYNE FARM                       | R02B005 | 1A  | 1A 7.5        | 1A 8.3        | 1A 16.3             | 1A 80.8                       | 2 6.6               | 1A 0.27                    | 1A 0.010                        | 1A 16.1                       | ND 0                      | ND 0                    |
| RIVER COLY        | COLYFORD                             | R02B006 | 1A  | 1A 7.3        | 1A 8.5        | 1A 17.0             | 1B 80.0                       | 2 5.3               | 1A 0.28                    | 1A 0.010                        | 1A 14.3                       | 1A 7                      | 1A 28                   |
| UMBORNE BROOK     | TRIFFORDS FARM                       | R02B007 | 1A  | 1A 7.5        | 1A 7.9        | 1A 16.0             | 1B 75.3                       | 1B 4.0              | 1B 0.43                    | 1A 0.010                        | 1A 7.5                        | ND 0                      | ND 0                    |
| UMBORNE BROOK     | UMBORNE BRIDGE                       | R02B008 | 1A  | 1A 7.6        | 1A 8.5        | 1A 16.5             | 1A 85.0                       | 1B 4.5              | 1A 0.29                    | 1A 0.010                        | 1A 9.4                        | 1A 32                     | 1A 41                   |
| OFFWELL BROOK     | WEST COLWELL                         | R02B009 | 1A  | 1A 7.1        | 1A 7.7        | 1A 16.1             | 1A 85.7                       | 1A 2.3              | 1A 0.24                    | 1A 0.010                        | 1A 8.5                        | ND 0                      | ND 0                    |
| OFFWELL BROOK     | ROADPITT FARM                        | R02B010 | 1B  | 1A 7.5        | 1A 8.2        | 1A 16.2             | 1A 82.8                       | 2 6.5               | 2 1.03                     | 1A 0.014                        | 1A 13.8                       | 1A 35                     | 1A 39                   |
| RIVER YARTY       | NEWHAVEN BRIDGE                      | R02D003 | 1B  | 1A 7.5        | 1A 8.1        | 1A 15.1             | 1A 82.7                       | 1B 3.1              | 1A 0.15                    | 1A 0.010                        | 1A 7.8                        | ND 0                      | ND 0                    |
| RIVER YARTY       | LONGBRIDGE                           | R02D004 | 1B  | 1A 7.6        | 1A 8.2        | 1A 15.1             | 1A 84.7                       | 1B 3.1              | 1A 0.15                    | 1A 0.010                        | 1A 8.1                        | ND 0                      | ND 0                    |
| RIVER YARTY       | BECKFORD BRIDGE                      | R02D005 | 1B  | 1A 7.6        | 1A 8.2        | 1A 15.5             | 1A 81.0                       | 1A 2.6              | 1A 0.19                    | 1A 0.010                        | 1A 7.6                        | ND 0                      | ND 0                    |
| RIVER YARTY       | A35 BRIDGE GAMMONS HILL              | R02D006 | 1B  | 1A 7.4        | 1A 8.4        | 1A 17.6             | 1A 84.0                       | 2 5.5               | 1A 0.27                    | 1A 0.010                        | 1A 11.8                       | 1A 14                     | 1A 30                   |
| CORRY BROOK       | ROSE FARM                            | R02D001 | 1B  | 1A 7.3        | 1A 7.9        | 1A 15.1             | 1A 81.6                       | 1B 3.3              | 1A 0.24                    | 1A 0.010                        | 1A 9.5                        | ND 0                      | ND 0                    |
| CORRY BROOK       | PRIOR TO RIVER YARTY                 | R02D002 | 1B  | 1A 7.3        | 1A 8.3        | 1A 15.5             | 1B 80.0                       | 1B 3.7              | 1B 0.66                    | 1A 0.010                        | 1A 16.4                       | 1A 9                      | 1A 34                   |
| KIT BROOK         | NARFORDS                             | R02C012 | 1B  | 1A 7.7        | 1A 8.3        | 1A 14.7             | 1A 84.0                       | 2 6.0               | 1A 0.04                    | 1A 0.010                        | 1A 5.1                        | ND 0                      | ND 0                    |
| KIT BROOK         | AXE FARM                             | R02C013 | 1B  | 1A 7.6        | 1A 8.5        | 1A 15.6             | 1A 85.0                       | 1B 3.2              | 1A 0.15                    | 1A 0.010                        | 1A 13.7                       | 1A 37                     | 1A 40                   |
| BLACKWATER RIVER  | BUDDLEWALL                           | R02C008 | 1B  | 1A 7.2        | 1A 7.9        | 1A 15.8             | 1A 82.7                       | 1B 4.6              | 1A 0.27                    | 1A 0.010                        | 1A 14.1                       | 1A 39                     | 1A 71                   |
| FORTON BROOK      | B3162 BRIDGE FORTON                  | R02C010 | 1B  | 1A 7.6        | 1A 8.4        | 1A 16.2             | 1A 80.3                       | 1B 4.3              | 1B 0.44                    | 1A 0.010                        | 1A 11.3                       | ND 0                      | ND 0                    |
| FORTON BROOK      | TATWORTH ABOVE TATWORTH STW          | R02C011 | 1B  | 1A 7.9        | 1A 8.4        | 1A 15.2             | 1A 84.2                       | 1B 3.1              | 1A 0.25                    | 1A 0.010                        | 1A 9.7                        | 1A 36                     | 1A 42                   |
| WHATLEY STREAM    | AMMERHAM                             | R02C015 | 1B  | 1A 8.0        | 1A 8.5        | 1A 17.0             | 1A 83.0                       | 1A 2.9              | 1A 0.25                    | 1A 0.010                        | 1A 7.5                        | 1A 5                      | 1A 10                   |
| RIVER SYNDERFORD  | BEERE FARM                           | R02C014 | 1B  | 1A 7.3        | 1A 8.3        | 1A 15.5             | 1A 83.0                       | 1B 4.4              | 1A 0.29                    | 1A 0.010                        | 1A 12.3                       | 1A 5                      | 1A 11                   |
| TEMPLE BROOK      | OATHILL BRIDGE                       | R02C018 | 1B  | 1A 7.6        | 1A 8.1        | 1A 15.5             | 1B 77.1                       | 3 14.3              | 3 1.76                     | 1A 0.014                        | 1A 13.9                       | ND 0                      | ND 0                    |
| CLAPTON STREAM    | CLAPTON DAIRY FARM                   | R02C017 | 1B  | 1A 7.8        | 1A 8.4        | 1A 15.3             | 1A 84.0                       | 2 5.1               | 1A 0.27                    | 1A 0.010                        | 1A 10.1                       | ND 0                      | ND 0                    |
| DRIMPTON STREAM   | NETHERHAY ABOVE DRIMPTON STW         | R02C009 | 1B  | 1A 7.8        | 1A 8.1        | 1A 14.7             | 1B 73.8                       | 2 7.5               | 2 1.13                     | 1A 0.012                        | 1A 9.7                        | 1A 8                      | 1A 10                   |
| WHETLEY STREAM    | POTWELL FARM                         | R02C016 | 1B  | 1A 7.7        | 1A 8.2        | 1A 15.3             | 1B 79.8                       | 2 8.1               | 1B 0.63                    | 1A 0.010                        | 1A 10.1                       | 1A 6                      | 1A 13                   |
| BRANSCOMBE STREAM | BRANSCOMBE MOUTH                     | R02A001 | 1B  | 1A 7.8        | 1A 8.3        | 1A 16.3             | 1A 84.7                       | 1B 4.3              | 1A 0.17                    | 1A 0.010                        | 1A 18.4                       | 1A 7                      | 1A 136                  |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: SID**

| River           | Reach upstream of     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-----------------|-----------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                 |                       |         |     | 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            |
| RIVER SID       | STONEY BRIDGE SIDBURY | R03A001 | 1B  | 1A 7.6        | 1A 8.4        | 1A 16.5             | 1A 82.0                       | 1B 3.7              | 1A 0.14                    | 1A 0.010                        | 1A 11.7                       | NO 0                      | NO 0                    |
| RIVER SID       | A3052 BRIDGE SIDFORD  | R03A002 | 1A  | 1A 7.5        | 1A 8.4        | 1A 17.5             | 1A 85.0                       | 1B 3.9              | 1A 0.10                    | 1A 0.010                        | 1A 10.3                       | NO 0                      | NO 0                    |
| RIVER SID       | SIDMOUTH              | R03A003 | 1A  | 1A 7.4        | 1A 8.5        | 1A 17.3             | 1A 87.3                       | 1B 4.9              | 1A 0.17                    | 1A 0.010                        | 1A 18.2                       | 1A 30                     | 1A 64                   |
| RONCOMBE STREAM | COTFORD               | R03A013 | 1A  | 1A 7.5        | 1A 8.4        | 1A 16.5             | 1A 84.3                       | 2 5.7               | 1A 0.19                    | 1A 0.010                        | 1A 14.9                       | 1A 10                     | 2 609                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: OTTER**

| River              | Reach upstream of           | URN     | RQD | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|-----------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                             |         |     | 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            |
| RIVER OTTER        | HOEMORE FARM                | R048001 | 1B  | 1A 7.4        | 1A 8.1        | 1A 15.0             | 1A 87.4                       | 1B 3.4              | 1A 0.23                    | 1A 0.010                        | 1A 6.4                        | ND 0                      | ND 0                    |
| RIVER OTTER        | RAWRIDGE                    | R048042 | 1A  | 1A 7.4        | 1A 8.2        | 1A 16.0             | 1A 86.4                       | 1B 4.5              | 1A 0.22                    | 1A 0.010                        | 1A 7.0                        | ND 0                      | ND 0                    |
| RIVER OTTER        | MONKTON                     | R048035 | 1A  | 1A 7.4        | 1A 8.1        | 1A 16.0             | 1A 83.8                       | 1A 3.0              | 1A 0.14                    | 1A 0.010                        | 1A 8.9                        | ND 0                      | ND 0                    |
| RIVER OTTER        | CLAPPERLANE BRIDGE          | R048002 | 1A  | 1A 7.5        | 1A 8.3        | 1A 16.4             | 1A 81.4                       | 1A 2.9              | 1A 0.14                    | 1A 0.010                        | 1A 8.3                        | ND 0                      | ND 0                    |
| RIVER OTTER        | COTTARSON FARM              | R048014 | 1B  | 1A 7.5        | 1A 8.3        | 1A 16.4             | 1B 76.0                       | 1B 4.8              | 1B 0.56                    | 1A 0.010                        | 1A 9.1                        | 1A 7                      | 1A 18                   |
| RIVER OTTER        | WESTON                      | R048003 | 1B  | 1A 7.4        | 1A 8.2        | 1A 16.1             | 1A 81.0                       | 2 5.9               | 1B 0.34                    | 1A 0.010                        | 1A 12.6                       | 1A 11                     | 1A 28                   |
| RIVER OTTER        | FENNY BRIDGES               | R048019 | 1A  | 1A 7.5        | 1A 8.4        | 1A 17.8             | 1A 82.2                       | 2 5.8               | 1A 0.24                    | 1A 0.010                        | 1A 17.0                       | ND 0                      | ND 0                    |
| RIVER OTTER        | B3176 BRIDGE OTTERY ST MARY | R048004 | 1A  | 1A 7.5        | 1A 8.5        | 1A 17.0             | 1A 82.2                       | 2 6.8               | 1A 0.27                    | 1A 0.010                        | 1A 16.9                       | ND 0                      | ND 0                    |
| RIVER OTTER        | TIPTON ST JOHN              | R048005 | 1B  | 1A 7.5        | 1A 8.4        | 1A 19.7             | 1A 85.0                       | 1B 5.0              | 1B 0.32                    | 1A 0.010                        | 1A 17.7                       | ND 0                      | ND 0                    |
| RIVER OTTER        | DOTTON MILL                 | R048006 | 1B  | 1A 7.6        | 1A 8.6        | 1A 17.5             | 1A 85.0                       | 1B 4.8              | 1A 0.30                    | 1A 0.010                        | 1A 20.9                       | 1A 15                     | 1A 27                   |
| RIVER OTTER        | OTTERTON                    | R048007 | 1B  | 1A 7.6        | 1A 8.8        | 1A 20.8             | 1A 81.5                       | 2 5.7               | 1A 0.23                    | 1A 0.010                        | 1A 13.8                       | ND 0                      | ND 0                    |
| KNOWLE BROOK       | SQUABMOOR RESERVOIR         | R048041 | 1A  | 1A 6.5        | 1A 8.0        | 2 22.5              | 1B 75.9                       | 1A 2.0              | 1A 0.11                    | 1A 0.010                        | 1A 4.1                        | 1A 7                      | 1A 18                   |
| RIVER TALE         | DANES MILL                  | R048008 | 1B  | 1A 7.4        | 1A 8.1        | 1A 15.0             | 1A 82.0                       | 2 5.6               | 1A 0.16                    | 1A 0.010                        | 1A 13.6                       | ND 0                      | ND 0                    |
| RIVER TALE         | TALEFORD                    | R048009 | 1B  | 1A 7.4        | 1A 7.9        | 1A 16.4             | 1A 81.0                       | 2 6.0               | 1B 0.32                    | 1A 0.010                        | 1A 20.7                       | 1A 26                     | 1A 40                   |
| RIVER WOLF (OTTER) | WINNIFORD FARM              | R048011 | 1B  | 1A 7.6        | 1A 8.1        | 1A 16.0             | 1B 78.2                       | 1B 3.7              | 1B 0.45                    | 1A 0.010                        | 1A 9.1                        | 1A 8                      | 1A 15                   |
| THE GISSAGE        | PRIOR TO RIVER OTTER        | R048023 | 1B  | 1A 7.4        | 1A 8.3        | 1A 16.3             | 1B 71.0                       | 2 9.0               | 1A 0.16                    | 1A 0.010                        | 1A 15.5                       | ND 0                      | ND 0                    |
| WICK STREAM        | MILL HOUSE NURSERY          | R048010 | 1A  | 1A 7.5        | 1A 8.2        | 1A 15.4             | 1A 81.6                       | 1A 2.7              | 1A 0.10                    | 1A 0.010                        | 1A 7.9                        | 1A 6                      | 1A 51                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: EXE**

| River             | Reach upstream of                  | URN     | RQO | pH<br>(Lower)<br>Class 5%ile | pH<br>(Upper)<br>Class 95%ile | Temperature<br>(°C)<br>Class 95%ile | Dissolved<br>Oxygen<br>(%sat)<br>Class 5%ile | BOD (ATU)<br>(mg/l)<br>Class 95%ile | Total<br>Ammonia<br>(mg/l)<br>Class 95%ile | Un-Ionised<br>Ammonia<br>(mg/l)<br>Class 95%ile | Suspended<br>Solids<br>(mg/l)<br>Class Mean | Total<br>Copper<br>(µg/l)<br>Class 95%ile | Total<br>Zinc<br>(µg/l)<br>Class 95%ile |
|-------------------|------------------------------------|---------|-----|------------------------------|-------------------------------|-------------------------------------|----------------------------------------------|-------------------------------------|--------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------|
| RIVER EXE         | COURT FARM EXFORD                  | R05G001 | 1A  | 1A 6.9                       | 1A 7.9                        | 1A 15.0                             | 1A 87.3                                      | 1A 2.4                              | 1A 0.16                                    | 1A 0.010                                        | 1A 9.6                                      | 1A 5                                      | 1A 25                                   |
| RIVER EXE         | CHILLY BRIDGE                      | R05G002 | 1A  | 1A 7.1                       | 1A 8.0                        | 1A 15.5                             | 1A 88.7                                      | 1A 3.1                              | 1A 0.20                                    | 1A 0.010                                        | 1A 10.8                                     | 1A 0                                      | 1A 0                                    |
| RIVER EXE         | WARMORE                            | R05G003 | 1A  | 1A 7.2                       | 1A 7.8                        | 1A 16.2                             | 1A 90.3                                      | 1A 2.7                              | 1A 0.04                                    | 1A 0.010                                        | 1A 8.0                                      | 1A 6                                      | 1A 10                                   |
| RIVER EXE         | EXEBRIDGE                          | R05E001 | 1A  | 1A 7.0                       | 1A 7.9                        | 1A 15.0                             | 1A 86.6                                      | 1A 3.1                              | 1A 0.08                                    | 1A 0.010                                        | 1A 6.5                                      | 1A 7                                      | 1A 15                                   |
| RIVER EXE         | HALFPENNY BRIDGE                   | R05E002 | 1A  | 1A 7.1                       | 1A 7.8                        | 1A 14.1                             | 1A 84.8                                      | 1A 2.8                              | 1A 0.18                                    | 1A 0.010                                        | 1A 6.0                                      | 1A 0                                      | 1A 0                                    |
| RIVER EXE         | LYTHECOURT                         | R05E003 | 1A  | 1A 7.1                       | 1A 7.9                        | 1A 17.4                             | 1A 84.6                                      | 1A 2.2                              | 1A 0.10                                    | 1A 0.010                                        | 1A 6.5                                      | 1A 0                                      | 1A 0                                    |
| RIVER EXE         | TIVERTON NEW BRIDGE                | R05E004 | 1A  | 1A 7.1                       | 1A 7.9                        | 1A 15.1                             | 1A 86.9                                      | 1A 2.9                              | 1A 0.15                                    | 1A 0.010                                        | 1A 8.8                                      | 1A 2                                      | 1A 13                                   |
| RIVER EXE         | COLLIPRIEST TIVERTON               | R05E005 | 1A  | 1A 7.2                       | 1A 8.2                        | 1A 17.0                             | 1A 84.9                                      | 1A 3.4                              | 1A 0.25                                    | 1A 0.010                                        | 1A 8.4                                      | 1A 37                                     | 1A 40                                   |
| RIVER EXE         | ASHLEY                             | R05E006 | 1A  | 1A 7.2                       | 1A 8.0                        | 1A 17.0                             | 1A 84.9                                      | 1A 3.4                              | 1A 0.25                                    | 1A 0.010                                        | 1A 8.4                                      | 1A 37                                     | 1A 40                                   |
| RIVER EXE         | BICKLEIGH CASTLE                   | R05D015 | 1A  | 1A 7.1                       | 1A 7.9                        | 1A 16.7                             | 1A 70.5                                      | 2 5.2                               | 1A 0.16                                    | 1A 0.010                                        | 1A 22.1                                     | 1A 5                                      | 1A 11                                   |
| RIVER EXE         | THORVERTON GAUGING STATION         | R05D001 | 1B  | 1A 7.2                       | 1A 7.9                        | 1A 17.9                             | 1A 83.3                                      | 1B 3.6                              | 1A 0.13                                    | 1A 0.010                                        | 1A 14.7                                     | 1A 6                                      | 1A 22                                   |
| RIVER EXE         | STAFFORD BRIDGE                    | R05D002 | 1B  | 1A 7.3                       | 1A 7.9                        | 1A 18.1                             | 1B 67.7                                      | 1B 3.4                              | 1A 0.18                                    | 1A 0.010                                        | 1A 9.2                                      | 1A 0                                      | 1A 0                                    |
| RIVER EXE         | EXWICK                             | R05D003 | 1A  | 1A 7.3                       | 3 9.3                         | 1A 19.2                             | 1B 79.2                                      | 1B 4.9                              | 1A 0.18                                    | 1A 0.011                                        | 1A 16.2                                     | 1A 0                                      | 1A 0                                    |
| RIVER EXE         | TREWS WEIR EXETER                  | R05D004 | 1A  | 1A 7.4                       | 1A 8.1                        | 1A 18.6                             | 1A 83.9                                      | 1B 3.9                              | 1A 0.20                                    | 1A 0.010                                        | 1A 12.5                                     | 1A 6                                      | 1A 24                                   |
| RIVER KENN        | A38 BRIDGE KENNIFORD               | R05A001 | 1B  | 1A 7.4                       | 1A 8.2                        | 1A 15.1                             | 2 56.9                                       | 2 7.0                               | 1B 0.67                                    | 1A 0.010                                        | 1A 17.3                                     | 1A 0                                      | 1A 0                                    |
| RIVER KENN        | POWDERHAM CASTLE                   | R05A002 | 1A  | 1A 7.3                       | 1A 8.0                        | 1A 15.8                             | 1B 59.2                                      | 1A 2.6                              | 1A 0.22                                    | 1A 0.010                                        | 1A 10.0                                     | 1A 14                                     | 1A 61                                   |
| POLLY BROOK       | EXTON                              | R05A029 | 1B  | 1A 7.5                       | 1A 8.3                        | 1A 16.9                             | 1B 71.8                                      | 1B 4.3                              | 2 0.75                                     | 1A 0.014                                        | 1A 8.1                                      | 1A 50                                     | 1A 50                                   |
| EXETER CANAL      | A38 BRIDGE COUNTESS WEAR           | R05A006 | 1B  | 1A 7.3                       | 3 9.3                         | 1A 21.0                             | 2 59.6                                       | 2 5.3                               | 1A 0.23                                    | 1A 0.010                                        | 1A 4.7                                      | 1A 7                                      | 1A 13                                   |
| RIVER CLYST       | CLYST HYDON                        | R05B001 | 2   | 1A 7.2                       | 1A 7.8                        | 1A 15.5                             | 3 21.6                                       | 3 9.9                               | 3 2.63                                     | 3 0.030                                         | 1A 13.3                                     | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | CLYST ST LAWRENCE                  | R05B002 | 2   | 1A 7.4                       | 1A 7.9                        | 1A 15.2                             | 2 40.2                                       | 2 7.2                               | 3 2.06                                     | 3 0.020                                         | 1A 11.0                                     | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | ASHCLYST FARM                      | R05B003 | 2   | 1A 7.5                       | 1A 8.1                        | 1A 15.6                             | 2 57.3                                       | 3 10.3                              | 2 1.02                                     | 1A 0.015                                        | 1A 15.2                                     | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | A39 BRIDGE BROADCLYST              | R05B004 | 1B  | 1A 7.5                       | 1A 7.9                        | 1A 16.1                             | 2 40.6                                       | 2 5.1                               | 2 0.82                                     | 1A 0.010                                        | 1A 11.2                                     | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | WITBY BRIDGE                       | R05B005 | 1B  | 1A 7.5                       | 1A 8.1                        | 1A 15.8                             | 2 50.6                                       | 1B 4.1                              | 2 0.74                                     | 1A 0.010                                        | 1A 9.1                                      | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | A30 BRIDGE CLYST MONITON           | R05B006 | 1B  | 1A 7.5                       | 1A 8.1                        | 1A 16.5                             | 1B 60.2                                      | 1B 3.7                              | 1B 0.35                                    | 1A 0.010                                        | 1A 7.5                                      | 1A 0                                      | 1A 0                                    |
| RIVER CLYST       | CLYST ST MARY                      | R05B007 | 1B  | 1A 7.4                       | 1A 8.1                        | 1A 18.2                             | 3 38.2                                       | 1B 4.1                              | 1B 0.49                                    | 1A 0.010                                        | 1A 14.0                                     | 1A 18                                     | 1A 50                                   |
| GRINDLE BROOK     | WINSLADE PARK                      | R05A028 | 1B  | 1A 7.6                       | 1A 8.3                        | 1A 17.8                             | 2 54.2                                       | 1B 4.6                              | 1A 0.30                                    | 1A 0.010                                        | 1A 22.5                                     | 1A 50                                     | 1A 70                                   |
| AYLESBEARE STREAM | DYMONDS FARM                       | R05B013 | 1B  | 1A 7.7                       | 1A 8.1                        | 1A 15.3                             | 2 40.4                                       | 2 5.9                               | 1B 0.44                                    | 1A 0.010                                        | 1A 14.3                                     | 1A 0                                      | 1A 0                                    |
| PIN BROOK         | MOSSHAYNE                          | R05B012 | 1B  | 1A 7.5                       | 1A 8.2                        | 1A 16.4                             | 1B 65.4                                      | 1B 4.9                              | 1B 0.34                                    | 1A 0.010                                        | 1A 17.4                                     | 1A 50                                     | 1A 67                                   |
| CRANNY BROOK      | BARNSHAYES                         | R05B009 | 2   | 1A 7.6                       | 1A 8.1                        | 1A 15.5                             | 2 43.5                                       | 4 37.8                              | 3 6.49                                     | 3 0.055                                         | 1A 15.4                                     | 1A 0                                      | 1A 0                                    |
| CRANNY BROOK      | CRANNAFORD CROSSING                | R05B010 | 2   | 1A 7.5                       | 1A 8.2                        | 1A 15.6                             | 2 49.0                                       | 2 5.1                               | 2 0.89                                     | 1A 0.012                                        | 1A 10.2                                     | 1A 0                                      | 1A 0                                    |
| CRANNY BROOK      | WISHFORD FARM                      | R05B011 | 2   | 1A 7.5                       | 1A 8.0                        | 1A 15.7                             | 1B 63.2                                      | 2 5.3                               | 1B 0.42                                    | 1A 0.010                                        | 1A 8.7                                      | 1A 35                                     | 1A 43                                   |
| FORD STREAM       | A30 BRIDGE NEAR ROCKBEARE          | R05B014 | 1B  | 1A 7.6                       | 1A 8.6                        | 1A 16.8                             | 2 59.0                                       | 2 5.3                               | 1B 0.67                                    | 1A 0.018                                        | 1A 12.5                                     | 1A 0                                      | 1A 0                                    |
| ALPHIN BROOK      | DYMONDS BRIDGE                     | R05A003 | 1B  | 1A 7.5                       | 1A 8.1                        | 1A 15.8                             | 1B 60.8                                      | 3 9.1                               | 2 0.75                                     | 1A 0.010                                        | 3 49.3                                      | 1A 0                                      | 1A 0                                    |
| ALPHIN BROOK      | FOOTBRIDGE ALPHINGTON              | R05A004 | 1B  | 1A 7.6                       | 1A 8.8                        | 1A 17.5                             | 1A 81.8                                      | 2 5.6                               | 1B 0.44                                    | 1A 0.010                                        | 3 48.2                                      | 1A 50                                     | 1A 50                                   |
| ALPHIN BROOK      | COUNTESS WEAR BRIDGE               | R05A005 | 1B  | 1A 7.4                       | 1A 8.8                        | 1A 20.8                             | 1B 67.6                                      | 1B 4.6                              | 1B 0.32                                    | 1A 0.010                                        | 1A 18.6                                     | 1A 7                                      | 1A 13                                   |
| NORTH BROOK       | NORTHBROOK PARK                    | R05A026 | 1B  | 1A 7.6                       | 1A 8.4                        | 1A 16.9                             | 1B 66.8                                      | 2 6.6                               | 3 1.91                                     | 1A 0.020                                        | 1A 17.3                                     | 1A 8                                      | 1A 32                                   |
| RIVER CREEDY      | ASHRIDGE BRIDGE                    | R05J001 | 1B  | 1A 7.0                       | 1A 7.9                        | 1A 17.0                             | 2 58.7                                       | 2 5.1                               | 1A 0.11                                    | 1A 0.010                                        | 1A 18.5                                     | 1A 0                                      | 1A 0                                    |
| RIVER CREEDY      | CREEDY BRIDGE                      | R05J002 | 1B  | 1A 7.2                       | 1A 8.0                        | 1A 16.1                             | 1B 65.0                                      | 1B 3.1                              | 1A 0.19                                    | 1A 0.010                                        | 1A 15.8                                     | 1A 5                                      | 1A 8                                    |
| RIVER CREEDY      | WESTACOTT COTTAGES                 | R05J003 | 1B  | 1A 7.4                       | 1A 8.1                        | 1A 17.7                             | 2 55.2                                       | 1B 4.2                              | 1B 0.54                                    | 1A 0.010                                        | 3 25.1                                      | 1A 27                                     | 1A 48                                   |
| RIVER CREEDY      | NEWTON ST CYRES                    | R05J013 | 1B  | 1A 7.4                       | 1A 8.0                        | 1A 17.7                             | 1B 76.1                                      | 2 5.3                               | 1B 0.35                                    | 1A 0.010                                        | 3 29.7                                      | 1A 10                                     | 1A 36                                   |
| RIVER CREEDY      | OAKFORD FARM                       | R05J004 | 1B  | 1A 7.3                       | 1A 8.2                        | 1A 17.7                             | 1A 84.2                                      | 2 5.1                               | 1A 0.29                                    | 1A 0.010                                        | 3 25.5                                      | 1A 20                                     | 1A 52                                   |
| JACKMOOR BROOK    | LANGFORD                           | R05J018 | 1B  | 1A 7.4                       | 1A 8.2                        | 1A 17.0                             | 1B 68.3                                      | 1B 3.5                              | 1A 0.29                                    | 1A 0.010                                        | 3 27.4                                      | 1A 0                                      | 1A 0                                    |
| SHUTTERN BROOK    | PRIOR TO RIVER CREEDY              | R05J021 | 1B  | 1A 7.2                       | 1A 8.1                        | 1A 16.6                             | 1B 76.8                                      | 1B 3.5                              | 1A 0.17                                    | 1A 0.010                                        | 3 50.2                                      | 1A 10                                     | 1A 56                                   |
| SHOBROOKE LAKE    | CREEDY BARTON                      | R05J017 | 1B  | 1A 7.3                       | 1A 8.2                        | 1A 17.0                             | 1B 73.0                                      | 1B 4.6                              | 1A 0.27                                    | 1A 0.010                                        | 3 30.6                                      | 1A 0                                      | 1A 0                                    |
| RIVER YEO         | BINFORD                            | R05K003 | 1B  | 1A 6.9                       | 1A 7.8                        | 1A 16.0                             | 3 30.8                                       | 1B 3.5                              | 1A 0.23                                    | 1A 0.010                                        | 1A 13.3                                     | 1A 0                                      | 1A 0                                    |
| RIVER YEO         | GUNSTONE MILLS                     | R05K004 | 1B  | 1A 7.3                       | 1A 8.1                        | 1A 17.5                             | 1A 83.1                                      | 1B 3.8                              | 1B 0.40                                    | 1A 0.010                                        | 1A 20.9                                     | 1A 0                                      | 1A 0                                    |
| RIVER YEO         | DOWNES MILLS PRIOR TO RIVER CREEDY | R05K005 | 1B  | 1A 7.3                       | 1A 8.0                        | 1A 17.7                             | 1B 70.6                                      | 1B 4.5                              | 1A 0.26                                    | 1A 0.010                                        | 1A 24.6                                     | 1A 16                                     | 1A 52                                   |
| CULVERY RIVER     | UTON                               | R05K011 | 1B  | 1A 7.2                       | 1A 7.9                        | 1A 17.0                             | 2 59.7                                       | 1B 3.6                              | 1B 0.35                                    | 1A 0.010                                        | 1A 23.4                                     | 1A 7                                      | 1A 10                                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: EXE**

| River               | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|---------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                     |                                     |         |     | 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            |
| FORD BROOK          | FORD FARM                           | R05K010 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.0             | 3 31.4                        | 1B 3.9              | 1B 0.35                    | 1A 0.010                        | 1A 12.5                       | 1A 7                      | 1A 12                   |
| RIVER TRONEY        | EASTERBROOK                         | R05K008 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.0             | 2 47.9                        | 1A 2.8              | 1A 0.15                    | 1A 0.010                        | 1A 10.7                       | ND 0                      | ND 0                    |
| RIVER TRONEY        | YEOPFORD                            | R05K002 | 1B  | 1A 7.3        | 1A 8.1        | 1A 16.2             | 2 57.6                        | 1B 3.9              | 1A 0.31                    | 1A 0.010                        | 1A 24.5                       | 1A 14                     | 1A 71                   |
| COLE BROOK          | COLEBROOKE                          | R05K009 | 1B  | 1A 7.3        | 1A 8.1        | 1A 15.8             | 1B 74.0                       | 1B 3.1              | 1A 0.29                    | 1A 0.010                        | 1A 22.4                       | ND 0                      | ND 0                    |
| HOLLY WATER         | HEATH BRIDGE                        | R05J015 | 1B  | 1A 7.2        | 1A 8.0        | 1A 17.0             | 1B 76.2                       | 1B 4.8              | 1A 0.28                    | 1A 0.010                        | 1A 16.8                       | ND 0                      | ND 0                    |
| BINNEFORD WATER     | NEAR ASHRIDGE FARM                  | R05J016 | 1B  | 1A 7.2        | 1A 7.9        | 1A 17.0             | 1B 74.0                       | 2 5.1               | 1B 0.38                    | 1A 0.010                        | 1A 14.0                       | ND 0                      | ND 0                    |
| RIVER CULM          | BRIDGEHOUSE BRIDGE CLAYHIDON        | R05C002 | 1B  | 1A 7.2        | 1A 8.0        | 1A 16.1             | 1A 87.0                       | 1B 3.2              | 1A 0.27                    | 1A 0.010                        | 1A 11.4                       | ND 0                      | ND 0                    |
| RIVER CULM          | HEMYOCK                             | R05C003 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.1             | 1A 86.9                       | 2 5.9               | 2 0.71                     | 1A 0.010                        | 1A 14.3                       | ND 0                      | ND 0                    |
| RIVER CULM          | CULMSTOCK ABOVE CULMSTOCK STW       | R05C004 | 1B  | 1A 7.5        | 1A 8.8        | 1A 17.5             | 1A 89.8                       | 1B 3.1              | 1A 0.18                    | 1A 0.010                        | 1A 7.5                        | ND 0                      | ND 0                    |
| RIVER CULM          | UFFCULME                            | R05C005 | 1B  | 1A 7.5        | 1A 8.1        | 1A 17.5             | 1A 82.8                       | 1B 3.1              | 1A 0.16                    | 1A 0.010                        | 1A 7.2                        | 1A 7                      | 1A 14                   |
| RIVER CULM          | SKINNER'S FARM WILLAND              | R05C006 | 1B  | 1A 7.4        | 1A 8.2        | 1A 17.2             | 1A 87.0                       | 1B 4.4              | 1A 0.26                    | 1A 0.010                        | 1A 9.7                        | 1A 20                     | 1A 28                   |
| RIVER CULM          | HIGHER UPTON FARM                   | R05C007 | 1B  | 1A 7.5        | 1A 8.3        | 1A 18.1             | 1B 67.8                       | 3 9.1               | 1B 0.61                    | 1A 0.010                        | 3 30.0                        | ND 0                      | ND 0                    |
| RIVER CULM          | BELOW CULLOMPTON STW                | R05C043 | 2   | 1A 7.3        | 1A 8.3        | 1A 18.5             | 1B 66.3                       | 2 7.8               | 1B 0.61                    | 1A 0.010                        | 3 34.5                        | ND 0                      | ND 0                    |
| RIVER CULM          | MERRY HARRIERS INN WESTCOTT         | R05C008 | 2   | 1A 7.5        | 1A 8.3        | 1A 17.8             | 1B 66.0                       | 2 7.1               | 1B 0.34                    | 1A 0.010                        | 1A 16.1                       | 1A 6                      | 1A 48                   |
| RIVER CULM          | 50M BELOW WEIR ABOVE SILVERTON MILL | R05C009 | 2   | 1A 7.5        | 1A 8.0        | 1A 19.0             | 2 55.2                        | 2 5.5               | 1B 0.37                    | 1A 0.010                        | 1A 11.8                       | ND 0                      | ND 0                    |
| RIVER CULM          | POINT 200M BELOW SILVERTON MILL     | R05C011 | 2   | 1A 7.5        | 1A 7.9        | 1A 19.0             | 2 58.0                        | 2 6.0               | 1B 0.50                    | 1A 0.010                        | 1A 14.0                       | ND 0                      | ND 0                    |
| RIVER CULM          | COLUMBJOHN                          | R05C012 | 2   | 1A 7.5        | 1A 8.0        | 1A 19.7             | 2 51.4                        | 2 5.6               | 1B 0.58                    | 1A 0.010                        | 1A 15.7                       | ND 0                      | ND 0                    |
| RIVER CULM          | A396 BRIDGE STOKE CANON             | R05C013 | 2   | 1A 7.6        | 1A 8.1        | 1A 19.2             | 2 48.8                        | 1B 4.6              | 1B 0.43                    | 1A 0.010                        | 1A 10.2                       | 1A 10                     | 1A 27                   |
| RIVER WEAVER        | WEAVER BRIDGE ON B3181              | R05C026 | 1B  | 1A 7.4        | 1A 8.1        | 1A 18.0             | 2 40.3                        | 2 5.6               | 2 0.94                     | 1A 0.010                        | 1A 12.6                       | ND 0                      | ND 0                    |
| SPRATFORD STREAM    | LEONARD MOOR BRIDGE                 | R05C015 | 1B  | 1A 7.6        | 1A 8.4        | 1A 17.0             | 1B 75.5                       | 2 7.7               | 2 0.72                     | 1A 0.011                        | 3 25.8                        | ND 0                      | ND 0                    |
| SPRATFORD STREAM    | B3391 BRIDGE TIVERTON JUNCTION      | R05C016 | 1B  | 1A 7.7        | 1A 8.4        | 1A 17.1             | 1B 75.4                       | 2 5.3               | 1B 0.65                    | 1A 0.010                        | 1A 20.8                       | 1A 9                      | 1A 33                   |
| SPRATFORD STREAM    | FIVE BRIDGES                        | R05C017 | 2   | 1A 7.5        | 1A 8.3        | 1A 18.0             | 2 50.8                        | 2 8.4               | 2 0.73                     | 1A 0.011                        | 1A 22.6                       | 1A 38                     | 1A 48                   |
| HERONSBANK BROOK    | HERONS BANK                         | R05C027 | 1B  | 1A 7.5        | 1A 8.1        | 1A 17.0             | 1A 83.6                       | 2 5.7               | 1B 0.68                    | 1A 0.010                        | 3 57.3                        | ND 0                      | ND 0                    |
| SHELDON STREAM      | CRADDOCK BRIDGE                     | R05C014 | 1B  | 1A 7.4        | 1A 7.9        | 1A 17.1             | 1A 87.0                       | 1B 3.1              | 1A 0.26                    | 1A 0.010                        | 1A 9.2                        | 1A 5                      | 1A 14                   |
| MADFORD RIVER       | PRIOR TO DUNKESWELL STREAM          | R05C041 | 1A  | 1A 6.8        | 1A 7.6        | 1A 15.8             | 1A 80.4                       | 1A 2.2              | 1A 0.30                    | 1A 0.010                        | 1A 7.1                        | ND 0                      | ND 0                    |
| MADFORD RIVER       | DUNKESWELL ABBEY                    | R05C028 | 1A  | 1A 7.1        | 1A 7.7        | 1A 15.3             | 1A 82.2                       | 1A 2.6              | 1A 0.16                    | 1A 0.010                        | 1A 11.2                       | 1A 19                     | 1A 122                  |
| MADFORD RIVER       | CULM BRIDGE HEMYOCK                 | R05C019 | 1A  | 1A 7.3        | 1A 7.9        | 1A 16.0             | 2 59.1                        | 1B 3.7              | 1A 0.23                    | 1A 0.010                        | 1A 21.5                       | 1A 37                     | 1A 72                   |
| DUNKESWELL STREAM   | PRIOR TO MADFORD RIVER              | R05C042 | 1A  | 1A 8.8        | 1A 7.4        | 1A 15.8             | 1A 83.2                       | 1B 3.5              | 1B 0.61                    | 1A 0.010                        | 1A 10.9                       | ND 0                      | ND 0                    |
| BOLHAM RIVER        | FIVE BRIDGES                        | R05C018 | 1A  | 1A 7.3        | 1A 7.9        | 1A 15.9             | 1A 87.3                       | 1B 4.6              | 1A 0.27                    | 1A 0.010                        | 1A 16.4                       | 1A 37                     | 1A 47                   |
| THORVERTON STREAM   | THORVERTON BRIDGE                   | R05D009 | 1B  | 1A 7.4        | 1A 8.2        | 1A 18.8             | 1B 74.9                       | 2 7.0               | 2 0.99                     | 1A 0.010                        | 3 50.3                        | ND 0                      | ND 0                    |
| RIVER BURN (EXE)    | BURN MILL FARM                      | R05D008 | 1B  | 1A 7.3        | 1A 8.2        | 1A 17.5             | 1B 78.8                       | 2 6.9               | 1B 0.67                    | 1A 0.010                        | 3 51.5                        | 1A 12                     | 1A 50                   |
| RIVER DART (EXE)    | B3137 BRIDGE BRADLEY                | R05D006 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.5             | 1B 70.8                       | 1B 4.0              | 1A 0.23                    | 1A 0.010                        | 3 15.9                        | ND 0                      | ND 0                    |
| RIVER DART (EXE)    | DART BRIDGE BICKLEIGH               | R05D007 | 1B  | 1A 7.2        | 1A 8.2        | 1A 17.0             | 1A 80.5                       | 2 6.9               | 1B 0.34                    | 1A 0.010                        | 3 33.7                        | 1A 17                     | 1A 50                   |
| RIVER LOWMAN        | HUNTSHAM WOOD                       | R05E009 | 1B  | 1A 7.3        | 1A 8.4        | 1A 18.0             | 1B 68.2                       | 1B 3.2              | 1B 0.33                    | 1A 0.010                        | 1A 17.4                       | ND 0                      | ND 0                    |
| RIVER LOWMAN        | CRAZE LOWMAN                        | R05E010 | 1B  | 1A 7.5        | 1A 8.2        | 1A 17.5             | 1A 85.2                       | 1B 5.0              | 1B 0.33                    | 1A 0.010                        | 1A 12.0                       | ND 0                      | ND 0                    |
| RIVER LOWMAN        | A373 BRIDGE TIVERTON                | R05E011 | 1B  | 1A 7.5        | 1A 8.5        | 1A 18.0             | 1A 85.6                       | 1B 3.5              | 1A 0.16                    | 1A 0.010                        | 1A 14.4                       | 1A 7                      | 1A 27                   |
| UPLOWMAN STREAM     | WIDHAYES                            | R05E021 | 1B  | 1A 7.5        | 1A 8.0        | 1A 17.4             | 2 49.8                        | 2 5.5               | 1A 0.28                    | 1A 0.010                        | 1A 24.1                       | ND 0                      | ND 0                    |
| GRAND WESTERN CANAL | FENACRE BRIDGE                      | R05C021 | 2   | 1A 7.5        | 1A 7.9        | 1A 16.1             | 2 44.0                        | 2 7.0               | 2 1.32                     | 1A 0.010                        | 3 39.5                        | 1A 17                     | 1A 19                   |
| GRAND WESTERN CANAL | THE BASIN TIVERTON                  | R05E013 | 2   | 1A 7.5        | 3 9.0         | 1A 20.3             | 1B 66.3                       | 4 18.3              | 2 0.72                     | 1A 0.014                        | 3 39.0                        | 1A 51                     | 1A 88                   |
| CALVERLEIGH STREAM  | SWINESBRIDGE                        | R05E020 | 1B  | 1A 7.4        | 1A 8.2        | 1A 18.1             | 1A 86.0                       | 1B 3.2              | 1B 0.39                    | 1A 0.010                        | 1A 15.6                       | 1A 20                     | 1A 38                   |
| RIVER BATHERM       | RANSOMBE                            | R05F001 | 1B  | 1A 7.0        | 1A 7.9        | 1A 15.7             | 1A 87.5                       | 1A 2.6              | 1A 0.19                    | 1A 0.010                        | 1A 8.1                        | 1A 7                      | 1A 8                    |
| RIVER BATHERM       | B3227 BRIDGE SHILLINGFORD           | R05F002 | 1B  | 1A 7.5        | 1A 8.1        | 1A 15.6             | 1A 86.8                       | 1A 2.6              | 1A 0.09                    | 1A 0.010                        | 1A 12.4                       | ND 0                      | ND 0                    |
| RIVER BATHERM       | BOWBIERHILL WOOD                    | R05F003 | 1B  | 1A 7.5        | 1A 8.2        | 1A 15.5             | 1A 81.1                       | 1A 2.6              | 1A 0.06                    | 1A 0.010                        | 1A 11.7                       | 1A 7                      | 1A 11                   |
| IRON MILL STREAM    | PRIOR TO RIVER EXE                  | R05E008 | 1B  | 1A 7.0        | 1A 7.9        | 1A 14.5             | 1A 85.9                       | 1A 2.6              | 1A 0.21                    | 1A 0.010                        | 1A 6.4                        | 1A 7                      | 1A 27                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: EXE**

| River         | Reach upstream of               | URN     | ROO | pH (Lower)  |              | pH (Upper)  |              | Temperature (°C) |              | Dissolved Oxygen (%sat) |              | BOD (ATU) (mg/l) |              | Total Ammonia (mg/l) |              | Un-Ionised Ammonia (mg/l) |              | Suspended Solids (mg/l) |              | Total Copper (µg/l) |              | Total Zinc (µg/l) |              |
|---------------|---------------------------------|---------|-----|-------------|--------------|-------------|--------------|------------------|--------------|-------------------------|--------------|------------------|--------------|----------------------|--------------|---------------------------|--------------|-------------------------|--------------|---------------------|--------------|-------------------|--------------|
|               |                                 |         |     | Class 5%ile | Class 95%ile | Class 5%ile | Class 95%ile | Class 5%ile      | Class 95%ile | Class 5%ile             | Class 95%ile | Class 5%ile      | Class 95%ile | Class 5%ile          | Class 95%ile | Class 5%ile               | Class 95%ile | Class Mean              | Class 95%ile | Class 5%ile         | Class 95%ile | Class 5%ile       | Class 95%ile |
| BROCKEY RIVER | BROCKSBIDGE COTTAGES            | R05E012 | 1B  | 1A          | 7.3          | 1A          | 8.0          | 1A               | 15.1         | 1A                      | 83.4         | 1A               | 2.9          | 1A                   | 0.08         | 1A                        | 0.010        | 1A                      | 8.5          | 1A                  | 7            | 1A                | 12           |
| RIVER BARLE   | SIMONSBATH                      | R05H001 | 1A  | 1A          | 6.7          | 1A          | 7.8          | 1A               | 16.0         | 1A                      | 89.0         | 1A               | 1.9          | 1A                   | 0.12         | 1A                        | 0.010        | 1A                      | 11.3         | 1A                  | 6            | 1A                | 8            |
| RIVER BARLE   | TARR STEPS                      | R05H002 | 1A  | 1A          | 6.7          | 1A          | 7.8          | 1A               | 15.0         | 1A                      | 88.0         | 1A               | 1.5          | 1A                   | 0.06         | 1A                        | 0.010        | 1A                      | 3.8          | 1A                  | 5            | 1A                | 10           |
| RIVER BARLE   | PIXTON HILL ABOVE BRUSHFORD STW | R05H003 | 1A  | 1A          | 6.8          | 1A          | 7.8          | 1A               | 15.8         | 1A                      | 90.8         | 1A               | 1.9          | 1A                   | 0.07         | 1A                        | 0.010        | 1A                      | 3.9          | 1A                  | 7            | 1A                | 12           |
| DANE'S BROOK  | CASTLE BRIDGE                   | R05H004 | 1A  | 1A          | 6.3          | 1A          | 7.8          | 1A               | 15.0         | 1A                      | 88.3         | 1A               | 2.3          | 1A                   | 0.06         | 1A                        | 0.010        | 1A                      | 5.2          | 1A                  | 7            | 1A                | 17           |
| SHERDON WATER | SHERDON BRIDGE                  | R05H005 | 1A  | 1A          | 6.5          | 1A          | 7.7          | 1A               | 15.8         | 1A                      | 87.2         | 1A               | 1.7          | 1A                   | 0.09         | 1A                        | 0.010        | 1A                      | 4.2          | 1A                  | 5            | 1A                | 15           |
| RIVER HADDEO  | CUCKWOLDS COMBE                 | R05G004 | 1A  | 1A          | 6.7          | 1A          | 7.8          | 1A               | 15.8         | 1A                      | 81.6         | 1A               | 2.3          | 1A                   | 0.03         | 1A                        | 0.010        | 1A                      | 5.5          | 1A                  | 7            | 1A                | 18           |
| RIVER HADDEO  | WIMBLEBALL RESERVOIR            | R05G010 | 1A  | 1A          | 7.0          | 1A          | 7.9          | 1A               | 18.9         | 1B                      | 75.1         | 1A               | 2.0          | 1A                   | 0.05         | 1A                        | 0.010        | 1A                      | 3.8          | 1A                  | 11           | 1A                | 8            |
| RIVER HADDEO  | A396 BRIDGE PIXY COPSE          | R05G005 | 1A  | 1A          | 7.1          | 1A          | 7.8          | 1A               | 14.7         | 1A                      | 84.8         | 1A               | 2.8          | 1A                   | 0.06         | 1A                        | 0.010        | 1A                      | 9.2          | 1A                  | 6            | 1A                | 12           |
| RIVER PULHAM  | PRIOR TO RIVER HADDEO           | R05G009 | 1A  | 1A          | 6.9          | 1A          | 7.8          | 1A               | 14.5         | 1A                      | 87.4         | 1A               | 2.9          | 1A                   | 0.10         | 1A                        | 0.010        | 1A                      | 10.2         | 1A                  | 6            | 1A                | 12           |
| RIVER QUARME  | COPPLEHAM BRIDGE                | R05G006 | 1A  | 1A          | 7.1          | 1A          | 8.0          | 1A               | 15.0         | 1B                      | 79.9         | 1A               | 2.3          | 1A                   | 0.08         | 1A                        | 0.012        | 1A                      | 10.1         | 1A                  | 5            | 1A                | 30           |
| DAWLISH WATER | DAWLISH                         | R05A027 | 1B  | 1A          | 7.2          | 1A          | 8.4          | 1A               | 18.0         | 1B                      | 79.2         | 1B               | 3.3          | 1A                   | 0.20         | 1A                        | 0.010        | 1A                      | 8.2          | ND                  | 0            | ND                | 0            |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TEIGN**

| River             | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                     |         |     | Class 5Xile   | Class 95Xile  | Class 95Xile        | Class 5Xile                   | Class 95Xile        | Class 95Xile               | Class 95Xile                    | Class Mean                    | Class 95Xile              | Class 95Xile            |
| SOUTH TEIGN RIVER | FERMORTHY RESERVOIR                 | R06C051 | 1A  | 1A 5.3        | 1A 7.5        | 1A 18.7             | 1B 72.7                       | 1A 1.6              | 1A 0.10                    | 1A 0.010                        | 1A 6.6                        | 1A 5                      | 1A 7                    |
| SOUTH TEIGN RIVER | LEIGH BRIDGE                        | R06C001 | 1A  | 1A 6.2        | 1A 7.8        | 1A 15.4             | 1B 58.1                       | 1A 2.5              | 1A 0.02                    | 1A 0.010                        | 1A 3.8                        | 1A 5                      | 1A 40                   |
| NORTH TEIGN RIVER | GIDLEIGH PARK HOTEL                 | R06C002 | 1A  | 1A 5.2        | 1A 7.7        | 1A 15.3             | 1A 88.7                       | 1A 1.7              | 1A 0.06                    | 1A 0.010                        | 1A 1.9                        | 1A 5                      | 1A 11                   |
| RIVER TEIGN       | RUSHFORD                            | R06C003 | 1A  | 1A 6.1        | 1A 7.7        | 1A 15.7             | 1A 83.3                       | 1A 2.4              | 1A 0.12                    | 1A 0.010                        | 1A 2.8                        | 1A 5                      | 1A 12                   |
| RIVER TEIGN       | CLIFFORD BRIDGE                     | R06C004 | 1A  | 1A 6.6        | 1A 7.8        | 1A 15.7             | 1B 77.5                       | 1A 2.0              | 1A 0.07                    | 1A 0.010                        | 1A 3.4                        | 1A ND                     | 1A 0                    |
| RIVER TEIGN       | BRIDFORD BRIDGE                     | R06C005 | 1A  | 1A 6.7        | 1A 7.7        | 1A 16.1             | 1B 75.2                       | 1A 2.7              | 1A 0.18                    | 1A 0.010                        | 1A 6.6                        | 1A 6                      | 1A 22                   |
| RIVER TEIGN       | SPARA BRIDGE                        | R06C037 | 1A  | 1A 6.7        | 1A 7.7        | 1A 15.7             | 1B 37.2                       | 1A 2.2              | 1A 0.07                    | 1A 0.010                        | 1A 5.3                        | 1A 11                     | 1A 99                   |
| RIVER TEIGN       | WHEYCOMBE BRIDGE                    | R06C076 | 1A  | 1A 6.9        | 1A 7.8        | 1A 14.8             | 1A 90.0                       | 1A 1.7              | 1A 0.13                    | 1A 0.000                        | 1A 5.0                        | 1A 12                     | 2 250                   |
| RIVER TEIGN       | CHUDLEIGH BRIDGE                    | R06C007 | 1A  | 1A 6.9        | 1A 8.0        | 1A 17.3             | 1B 78.9                       | 1A 2.7              | 1A 0.13                    | 1A 0.010                        | 1A 8.9                        | 1A 9                      | 1A 107                  |
| RIVER TEIGN       | NEW BRIDGE                          | R06C008 | 1A  | 1A 7.0        | 1A 7.9        | 1A 17.7             | 1A 82.6                       | 1A 2.7              | 1A 0.08                    | 1A 0.010                        | 1A 6.7                        | 1A 11                     | 1A 111                  |
| RIVER TEIGN       | PRESTON                             | R06B001 | 1A  | 1A 7.0        | 1A 8.2        | 1A 17.8             | 1A 81.3                       | 1A 3.0              | 1A 0.08                    | 1A 0.010                        | 1A 13.6                       | 1A 10                     | 1A 61                   |
| ALLER BROOK       | EDGINSWELL PUMPING STATION          | R06A001 | 2   | 1A 7.3        | 1A 8.2        | 1A 17.0             | 2 47.5                        | 2 8.8               | 1B 0.52                    | 1A 0.010                        | 1A 19.2                       | 1A 50                     | 1A 67                   |
| ALLER BROOK       | MANOR DRIVE KINGSKERSWELL           | R06A002 | 2   | 1A 7.8        | 1A 8.3        | 1A 16.0             | 1B 79.9                       | 2 6.6               | 1A 0.21                    | 1A 0.010                        | 3 26.3                        | 1A 50                     | 1A 77                   |
| ALLER BROOK       | ALLER ORCHARD                       | R06A003 | 2   | 1A 7.8        | 1A 8.3        | 1A 17.4             | 1B 67.4                       | 2 7.0               | 3 3.23                     | 3 0.053                         | 3 29.6                        | ND 0                      | ND 0                    |
| ALLER BROOK       | PENNINN NEWTON ABBOT                | R06A004 | 2   | 1A 7.8        | 1A 8.2        | 1A 17.0             | 1B 75.0                       | 2 8.3               | 2 1.24                     | 3 0.024                         | 3 41.8                        | ND 0                      | ND 0                    |
| RIVER LEMON       | BAGATOR MILL                        | R06B003 | 1A  | 1A 6.6        | 1A 7.8        | 1A 14.4             | 1A 82.6                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 2.5                        | 1A 5                      | 1A 12                   |
| RIVER LEMON       | BELOW CONFLUENCE WITH RIVER SIG     | R06B004 | 1A  | 1A 6.6        | 1A 7.7        | 1A 15.0             | 1A 86.2                       | 1A 2.5              | 1A 0.06                    | 1A 0.010                        | 1A 2.6                        | 1A 9                      | 1A 42                   |
| RIVER LEMON       | BRADLEY PLAYING FIELDS NEWTON ABBOT | R06B005 | 1A  | 1A 7.6        | 1A 8.2        | 1A 14.8             | 1A 81.0                       | 1A 2.4              | 1A 0.15                    | 1A 0.010                        | 1A 5.9                        | 1A 6                      | 1A 31                   |
| BLATCHFORD STREAM | PERRY FARM                          | R06B006 | 1A  | 1A 7.4        | 1A 8.1        | 1A 15.2             | 1A 85.8                       | 1A 2.0              | 1A 0.13                    | 1A 0.010                        | 1A 18.7                       | 1A 7                      | 1A 8                    |
| BLATCHFORD STREAM | BLATCHFORD                          | R06B007 | 1B  | 1A 7.4        | 1A 8.1        | 1A 15.5             | 1B 68.0                       | 1A 2.7              | 1A 0.12                    | 1A 0.010                        | 3 30.3                        | 1A 30                     | 1A 50                   |
| UGBROOKE STREAM   | HIGHER SANDYGATE                    | R06B012 | 1B  | 1A 7.6        | 1A 8.2        | 1A 17.0             | 1A 80.6                       | 1A 2.9              | 1B 0.57                    | 1A 0.010                        | 1A 9.3                        | 1A 10                     | 1A 11                   |
| UGBROOKE STREAM   | PRIOR TO RIVER TEIGN                | R06B013 | 2   | 1A 7.3        | 1A 8.3        | 1A 17.3             | 1A 86.0                       | 1A 2.5              | 1A 0.21                    | 1A 0.010                        | 3 87.8                        | 1A 2                      | 50 1A 94                |
| SANDYGATE STREAM  | NEW CROSS KINGSTEIGNTON             | R06B010 | 2   | 1A 7.7        | 1A 8.2        | 1A 16.1             | 1A 82.3                       | 1A 2.9              | 1A 0.10                    | 1A 0.010                        | 1A 12.2                       | 1A 5                      | 1A 18                   |
| LIVERTON BROOK    | VENTIFORD BRIDGE                    | R06B050 | 1A  | 1A 7.5        | 1A 7.9        | 1A 16.5             | 1B 77.8                       | 1A 2.5              | 1A 0.13                    | 1A 0.010                        | 1A 6.6                        | 1A 7                      | 1A 76                   |
| RIVER BOVEY       | BLACKALLER NORTH BOVEY              | R06D001 | 1A  | 1A 6.6        | 1A 7.7        | 1A 13.8             | 1A 81.8                       | 1A 2.6              | 1A 0.05                    | 1A 0.010                        | 1A 5.4                        | ND 0                      | ND 0                    |
| RIVER BOVEY       | DRAKEFORD BRIDGE                    | R06D002 | 1A  | 1A 6.7        | 1A 7.7        | 1A 14.6             | 1A 89.0                       | 1B 3.4              | 1A 0.03                    | 1A 0.010                        | 1A 5.0                        | ND 0                      | ND 0                    |
| RIVER BOVEY       | LITTLE BOVEY                        | R06D003 | 1A  | 1A 6.9        | 1A 7.8        | 1A 16.9             | 1A 84.4                       | 1B 4.8              | 1A 0.11                    | 1A 0.010                        | 1A 15.1                       | 1A 13                     | 1A 35                   |
| RIVER BOVEY       | TWINYED FARM                        | R06D004 | 1A  | 1A 6.9        | 1A 7.6        | 1A 17.5             | 1B 78.0                       | 1B 4.5              | 1A 0.31                    | 1A 0.010                        | 1A 23.7                       | 1A 13                     | 1A 53                   |
| BECKA BROOK       | GIFT SHOP FOOTBRIDGE                | R06D012 | 1A  | 1A 6.6        | 1A 7.6        | 1A 14.2             | 1A 82.9                       | 1B 4.0              | 1A 0.04                    | 1A 0.010                        | 1A 6.3                        | ND 0                      | ND 0                    |
| WRAY BROOK        | CASELY COURT                        | R06D008 | 1A  | 1A 6.9        | 1A 7.6        | 1A 15.4             | 1A 81.2                       | 1B 4.2              | 1A 0.14                    | 1A 0.010                        | 1A 10.0                       | 1A 7                      | 1A 14                   |
| WRAY BROOK        | KNOWLE                              | R06D011 | 1A  | 1A 7.0        | 1A 7.6        | 1A 15.8             | 1A 80.8                       | 1B 4.0              | 1A 0.25                    | 1A 0.010                        | 1A 7.8                        | 1A 8                      | 1A 16                   |
| KATE BROOK        | CHUDLEIGH                           | R06C055 | 1A  | 1A 7.8        | 1A 8.4        | 1A 16.8             | 1A 83.5                       | 1A 3.0              | 1A 0.14                    | 1A 0.010                        | 1A 7.5                        | 1A 5                      | 1A 19                   |
| BRAMBLE BROOK     | PRIOR TO RIVER TEIGN                | R06C011 | 1A  | 1A 7.4        | 1A 8.2        | 1A 16.0             | 1B 69.6                       | 1A 2.4              | 1A 0.03                    | 1A 0.010                        | 1A 10.9                       | 1A 5                      | 1A 16                   |
| BEADON BROOK      | TRENCHFORD RESERVOIR                | R06C050 | 1A  | 1A 6.1        | 1A 7.8        | 1A 19.0             | 2 59.6                        | 1A 2.1              | 1A 0.13                    | 1A 0.010                        | 1A 2.9                        | 1A 6                      | 1A 31                   |
| BEADON BROOK      | TOTTIFORD HOUSE                     | R06C009 | 1A  | 1A 6.1        | 1A 7.9        | 1A 15.5             | 1B 73.0                       | 1A 2.1              | 1A 0.21                    | 1A 0.010                        | 1A 10.2                       | 1A 5                      | 1A 21                   |
| BEADON BROOK      | HYNER BRIDGE                        | R06C019 | 2   | 1A 6.6        | 1A 7.6        | 1A 15.5             | 1A 86.2                       | 1A 1.8              | 1A 0.02                    | 1A 0.010                        | 1A 3.1                        | 1A 35                     | 3 1110                  |
| BEADON BROOK      | PRIOR TO RIVER TEIGN                | R06C040 | 2   | 1A 6.8        | 1A 7.6        | 1A 16.0             | 1B 61.6                       | 1A 2.2              | 1A 0.02                    | 1A 0.010                        | 1A 3.2                        | 1A 11                     | 2 646                   |
| KENNICK STREAM    | KENNICK RESERVOIR                   | R06C048 | 1B  | 1A 6.5        | 1A 7.9        | 1A 20.2             | 2 59.5                        | 1A 2.3              | 1A 0.09                    | 1A 0.010                        | 1A 2.8                        | 1A 5                      | 1A 12                   |
| KENNICK STREAM    | TOTTIFORD RESERVOIR                 | R06C049 | 1B  | 1A 6.4        | 1A 7.8        | 1A 20.2             | 2 53.3                        | 1A 2.7              | 1B 0.42                    | 1A 0.010                        | 1A 2.6                        | 1A 9                      | 1A 18                   |
| ROOKERY BROOK     | ABOVE BARYTES MINE                  | R06C013 | 1B  | 1A 6.9        | 1A 7.7        | 1A 15.3             | 1B 67.6                       | 1B 3.1              | 1A 0.09                    | 1A 0.010                        | 1A 9.4                        | 1A 11                     | 1A 126                  |
| ROOKERY BROOK     | PRIOR TO RIVER TEIGN                | R06C014 | 3   | 1A 6.6        | 1A 7.3        | 1A 15.1             | 1B 76.2                       | 1B 3.3              | 1A 0.07                    | 1A 0.010                        | 1A 9.8                        | 1A 33                     | 3 3337                  |
| SOWTON BROOK      | SOWTON BRIDGE                       | R06C015 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.1             | 2 41.6                        | 1A 2.6              | 1A 0.16                    | 1A 0.010                        | 1A 9.7                        | 1A 5                      | 1A 26                   |
| REEDY BROOK       | REEDY BRIDGE                        | R06C054 | 1A  | 1A 6.9        | 1A 7.8        | 1A 14.9             | 3 19.4                        | 1A 2.7              | 1A 0.16                    | 1A 0.010                        | 1A 10.2                       | 1A 31                     | 1A 38                   |
| SCOTLEY BROOK     | CLIFFORD BARTON                     | R06C057 | 1A  | 1A 6.9        | 1A 7.8        | 1A 15.5             | 2 51.2                        | 3 14.4              | 1A 0.21                    | 1A 0.010                        | 1A 10.0                       | 2 40                      | 1A 50                   |
| FINGLE BROOK      | FINGLE BRIDGE                       | R06C053 | 1B  | 1A 6.9        | 1A 7.8        | 1A 14.8             | 1A 81.6                       | 2 6.0               | 1A 0.23                    | 1A 0.010                        | 1A 19.6                       | 1A 13                     | 1A 94                   |
| BLACKATON BROOK   | CHAPPLE                             | R06C052 | 1A  | 1A 6.4        | 1A 7.6        | 1A 15.0             | 1B 75.3                       | 1A 2.8              | 1A 0.28                    | 1A 0.010                        | 1A 4.3                        | 1A 7                      | 1A 19                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: DART**

| River              | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                       |         |     | Class 5%ile   | Class 95%ile  | Class 95%ile        | Class 5%ile                   | Class 95%ile        | Class 95%ile               | Class 95%ile                    | Class Mean                    | Class 95%ile              | Class 95%ile            |
| EAST DART RIVER    | POSTBRIDGE                            | R07B001 | 1A  | 1A 5.1        | 1A 7.3        | 1A 14.5             | 1A 86.8                       | 1A 1.8              | 1A 0.06                    | 1A 0.010                        | 1A 2.5                        | 1A 5                      | 1A 10                   |
| EAST DART RIVER    | CLAPPER BRIDGE DARTMEET               | R07B002 | 1A  | 1A 5.2        | 1A 7.6        | 1A 16.5             | 1A 87.7                       | 1A 1.8              | 1A 0.06                    | 1A 0.010                        | 1A 2.3                        | 1A 5                      | 1A 10                   |
| WEST DART RIVER    | TWO BRIDGES                           | R07B003 | 1A  | 3 4.7         | 1A 7.2        | 1A 15.6             | 1A 88.0                       | 1A 1.7              | 1A 0.05                    | 1A 0.010                        | 1A 1.7                        | 2 6                       | 1A 17                   |
| WEST DART RIVER    | HUCCABY                               | R07B004 | 1A  | 1A 5.5        | 1A 7.6        | 1A 16.8             | 1A 87.9                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 2.1                        | 2 6                       | 1A 11                   |
| RIVER DART         | NEW BRIDGE                            | R07B005 | 1A  | 1A 5.5        | 1A 7.7        | 1A 16.0             | 1A 82.0                       | 1A 2.1              | 1A 0.09                    | 1A 0.010                        | 1A 2.2                        | 2 6                       | 2 111                   |
| RIVER DART         | BUCKFAST ABBEY                        | R07B007 | 1A  | 1A 6.3        | 1A 7.8        | 1A 17.6             | 1A 81.2                       | 1A 1.9              | 1A 0.03                    | 1A 0.010                        | 1A 2.5                        | 1A 7                      | 1A 14                   |
| RIVER DART         | DART BRIDGE                           | R07B038 | 1A  | 1A 6.4        | 1A 7.9        | 1A 17.0             | 1A 91.3                       | 1A 2.1              | 1A 0.03                    | 1A 0.010                        | 1A 2.8                        | 1A 5                      | 1A 85                   |
| RIVER DART         | AUSTIN'S BRIDGE ABOVE BUCKF'LEIGH STW | R07B008 | 1A  | 1A 6.8        | 1A 7.9        | 1A 18.3             | 1A 75.3                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 3.8                        | 1A 5                      | 1A 15                   |
| RIVER DART         | BELOW BUCKFASTLEIGH STW               | R07B053 | 1A  | 1A 6.7        | 1A 7.9        | 1A 18.6             | 1A 87.2                       | 1A 2.6              | 1A 0.41                    | 1A 0.010                        | 1A 3.8                        | 1A 5                      | 1A 21                   |
| RIVER DART         | RIVERFORD BRIDGE                      | R07B009 | 1A  | 1A 7.0        | 1A 8.0        | 1A 19.4             | 1A 81.3                       | 1A 2.1              | 1A 0.18                    | 1A 0.016                        | 1A 5.9                        | 1A 13                     | 1A 19                   |
| RIVER DART         | TOTNES WEIR                           | R07B010 | 1A  | 1A 6.9        | 1A 7.9        | 1A 17.8             | 1A 76.0                       | 1A 2.5              | 1A 0.27                    | 1A 0.010                        | 1A 4.9                        | 1A 5                      | 1A 11                   |
| HARBOURNE RIVER    | HARBOURNEFORD                         | R07A001 | 1B  | 1A 6.9        | 1A 8.1        | 1A 14.5             | 1A 83.0                       | 1B 3.9              | 1A 0.11                    | 1A 0.010                        | 1A 5.0                        | ND 0                      | ND 0                    |
| HARBOURNE RIVER    | LEIGH BRIDGE                          | R07A002 | 1B  | 1A 7.4        | 1A 8.1        | 1A 16.5             | 1A 84.0                       | 1A 2.4              | 1A 0.20                    | 1A 0.010                        | 1A 6.8                        | 1A 13                     | 1A 12                   |
| HARBOURNE RIVER    | BEENLEIGH                             | R07A003 | 1B  | 1A 7.5        | 1A 8.3        | 1A 16.1             | 1A 87.5                       | 1B 3.1              | 1A 0.13                    | 1A 0.010                        | 1A 10.0                       | 1A 5                      | 1A 65                   |
| RIVER WASH         | TUCKENHAY                             | R07A004 | 1A  | 1A 7.3        | 1A 8.2        | 1A 16.0             | 1A 85.8                       | 1B 3.3              | 1A 0.14                    | 1A 0.010                        | 1A 6.9                        | 1A 5                      | 1A 13                   |
| RIVER HEMS         | PORTBRIDGE                            | R07B011 | 1B  | 1A 7.2        | 1A 8.1        | 1A 15.6             | 3 32.9                        | 2 6.4               | 2 1.46                     | 1A 0.020                        | 3 35.4                        | 1A 53                     | 1A 50                   |
| RIVER HEMS         | LITTLEHEMPSTON                        | R07B012 | 1B  | 1A 7.7        | 1A 8.3        | 1A 15.4             | 1B 75.3                       | 1A 2.8              | 1A 0.26                    | 1A 0.010                        | 1A 16.7                       | 1A 5                      | 1A 9                    |
| AM BROOK           | COLLACOMBE BRIDGE                     | R07B016 | 1B  | 1A 7.4        | 1A 8.2        | 1A 15.7             | 1B 63.8                       | 4 20.4              | 3 8.85                     | 3 0.137                         | 3 33.9                        | 1A 50                     | 1A 51                   |
| AM BROOK           | FISHACRE BRIDGE                       | R07B017 | 1B  | 1A 7.8        | 1A 8.2        | 1A 15.0             | 1B 72.3                       | 1B 3.8              | 1B 0.55                    | 1A 0.010                        | 1A 13.9                       | ND 0                      | ND 0                    |
| BIDWELL BROOK      | TIGLEY                                | R07B018 | 1B  | 1A 7.6        | 1A 8.2        | 1A 16.5             | 1A 82.2                       | 2 5.5               | 1B 0.32                    | 1A 0.010                        | 1A 18.1                       | 1A 11                     | 1A 53                   |
| BIDWELL BROOK      | DARTINGTON LODGE                      | R07B019 | 1B  | 1A 7.5        | 1A 8.0        | 1A 15.3             | 2 42.3                        | 2 6.8               | 2 1.04                     | 1A 0.011                        | 1A 11.1                       | 1A 9                      | 1A 21                   |
| RIVER MARDLE       | COMBE                                 | R07B013 | 1A  | 1A 6.0        | 1A 7.7        | 1A 15.4             | 1B 61.1                       | 1A 1.5              | 1A 0.02                    | 1A 0.010                        | 1A 2.1                        | 2 8                       | 1A 13                   |
| RIVER MARDLE       | RAILWAY BRIDGE BUCKFASTLEIGH          | R07B014 | 1A  | 1A 7.1        | 1A 8.4        | 1A 16.4             | 1A 84.6                       | 1A 2.7              | 1A 0.12                    | 1A 0.010                        | 1A 6.8                        | 1A 12                     | 1A 16                   |
| DEAN BURN          | 83380 BRIDGE                          | R07B052 | 1A  | 1A 6.8        | 1A 7.9        | 1A 16.0             | 1B 79.0                       | 1A 2.4              | 1A 0.18                    | 1A 0.010                        | 1A 11.1                       | 2 34                      | 3 1340                  |
| RIVER ASHBURN      | DART BRIDGE                           | R07B050 | 1A  | 1A 7.4        | 1A 8.5        | 1A 17.7             | 1B 77.8                       | 1B 3.6              | 1A 0.14                    | 1A 0.010                        | 1A 7.2                        | 1A 6                      | 1A 16                   |
| HOLY BROOK         | NORTHWOOD BUCKFAST                    | R07B020 | 1A  | 1A 6.8        | 1A 7.8        | 1A 15.6             | 1B 75.5                       | 1A 2.3              | 1A 0.08                    | 1A 0.010                        | 1A 6.6                        | 1A 6                      | 1A 13                   |
| EAST WEBBURN RIVER | COCKINGFORD                           | R07B036 | 1A  | 1A 6.6        | 1A 7.7        | 1A 15.1             | 1A 85.8                       | 1A 2.9              | 1A 0.07                    | 1A 0.010                        | 1A 5.6                        | 1A 8                      | 1A 12                   |
| RIVER WEBBURN      | BUCKLAND BRIDGE                       | R07B015 | 1A  | 1A 6.7        | 1A 7.7        | 1A 14.5             | 1A 89.2                       | 1A 2.1              | 1A 0.05                    | 1A 0.010                        | 1A 2.8                        | 1A 5                      | 1A 9                    |
| WEST WEBBURN RIVER | PONSWORTHY BRIDGE                     | R07B037 | 1A  | 1A 6.6        | 1A 7.8        | 1A 14.0             | 1A 87.7                       | 1A 1.8              | 1A 0.05                    | 1A 0.010                        | 1A 4.2                        | 1A 5                      | 1A 44                   |
| VENFORD BROOK      | VENFORD RESERVOIR                     | R07B048 | 1A  | 1A 5.5        | 1A 7.4        | 1A 18.9             | 1A 63.6                       | 1A 1.6              | 1A 0.05                    | 1A 0.010                        | 1A 2.2                        | 1A 5                      | 2 31                    |
| WALLA BROOK        | BABENY                                | R07B051 | 1A  | 1A 6.0        | 1A 7.6        | 1A 14.7             | 1A 85.3                       | 1A 1.9              | 1A 0.04                    | 1A 0.010                        | 1A 2.5                        | 2 6                       | 1A 17                   |
| RIVER SWINCOMBE    | PRIOR TO WEST DART RIVER              | R07B021 | 1A  | 1A 5.1        | 1A 7.6        | 1A 16.0             | 1A 90.0                       | 1A 1.6              | 1A 0.04                    | 1A 0.010                        | 1A 1.9                        | 2 5                       | 1A 11                   |
| CHERRY BROOK       | LOWER CHERRYBROOK BRIDGE              | R07B032 | 1A  | 3 5.0         | 1A 7.3        | 1A 14.6             | 1A 85.9                       | 1A 1.4              | 1A 0.04                    | 1A 0.010                        | 1A 2.8                        | 1A 5                      | 1A 10                   |
| BLACKBROOK RIVER   | TOR ROYAL ABOVE PRINCETOWN STW        | R07B049 | 1A  | 1A 6.1        | 1A 7.5        | 1A 15.0             | 1A 86.3                       | 1A 2.2              | 1A 0.11                    | 1A 0.010                        | 1A 3.8                        | 1A 8                      | 1A 20                   |
| COWSIC RIVER       | BEARDOWN FARM                         | R07B057 | 1A  | 1A 5.1        | 1A 7.3        | 1A 15.9             | 1A 89.0                       | 1A 1.8              | 1A 0.04                    | 1A 0.010                        | 1A 2.1                        | 2 30                      | 2 34                    |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: GARA AND AVON**

| River          | Reach upstream of              | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|----------------|--------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                |                                |         |     | 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            |
| THE GARA       | WOODFORD                       | RO8A002 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.2             | 1B 76.3                       | 2 8.9               | 1B 0.41                    | 1A 0.010                        | 3 25.9                        | ND 0                      | ND 0                    |
| THE GARA       | HIGHER NORTH MILL              | RO8A004 | 1B  | 1A 7.6        | 1A 8.1        | 1A 15.2             | 1B 68.8                       | 1B 4.9              | 1A 0.26                    | 1A 0.010                        | 3 27.9                        | 1A 22                     | 1A 94                   |
| THE GARA       | SLAPTON BRIDGE                 | RO8A006 | 1B  | 1A 7.2        | 1A 7.9        | 1A 18.1             | 3 32.4                        | 1A 2.7              | 1A 0.10                    | 1A 0.010                        | 1A 2.9                        | ND 0                      | ND 0                    |
| THE GARA       | SLAPTON LEY 1                  | RO8A018 | 1B  | 1A 7.6        | 3 9.2         | 1A 20.3             | 1A 88.0                       | 2 8.4               | 1A 0.09                    | 1A 0.007                        | 1A 9.5                        | ND 0                      | 1A 13                   |
| THE GARA       | SLAPTON LEY 2                  | RO8A019 | 1B  | 1A 7.6        | 3 9.1         | 1A 20.6             | 1A 92.0                       | 3 10.5              | 1A 0.08                    | 1A 0.006                        | 1A 8.6                        | ND 0                      | ND 0                    |
| THE GARA       | SLAPTON LEY 3                  | RO8A020 | 1B  | 1A 7.7        | 3 9.1         | 1A 20.6             | 1A 91.0                       | 2 7.5               | 1A 0.10                    | 1A 0.006                        | 1A 7.6                        | ND 0                      | ND 0                    |
| THE GARA       | TORCROSS                       | RO8A007 | 1B  | 1A 7.6        | 1A 8.7        | 1A 20.5             | 2 42.0                        | 2 7.2               | 1B 0.32                    | 1A 0.010                        | 1A 11.7                       | 1A 23                     | 1A 42                   |
| SLAPTON STREAM | DEER BRIDGE                    | RO8A012 | 1B  | 1A 7.5        | 1A 7.9        | 1A 15.0             | 1B 70.4                       | 1B 3.7              | 1A 0.07                    | 1A 0.010                        | 1A 10.2                       | ND 0                      | ND 0                    |
| SMALL BROOK    | BOWCOMBE                       | RO8A013 | 1B  | 1A 7.6        | 1A 8.2        | 1A 15.6             | 1B 79.3                       | 1B 4.0              | 1A 0.13                    | 1A 0.010                        | 1A 15.6                       | ND 0                      | ND 0                    |
| RIVER AVON     | AVON RESERVOIR                 | RO8B010 | 1A  | 3 4.7         | 1A 7.2        | 1A 17.2             | 1A 84.3                       | 1A 2.0              | 1A 0.09                    | 1A 0.010                        | 1A 3.7                        | 2 16                      | 2 62                    |
| RIVER AVON     | SHIPLEY BRIDGE                 | RO8B007 | 1A  | 3 4.9         | 1A 7.1        | 1A 15.0             | 1A 89.2                       | 1A 1.8              | 1A 0.08                    | 1A 0.010                        | 1A 2.0                        | 1A 5                      | 1A 8                    |
| RIVER AVON     | LYDIA BRIDGE                   | RO8B001 | 1A  | 1A 6.2        | 1A 7.5        | 1A 15.2             | 1A 92.7                       | 1B 3.6              | 1A 0.05                    | 1A 0.010                        | 1A 3.3                        | ND 0                      | ND 0                    |
| RIVER AVON     | A38 BRIDGE SOUTH BRENT         | RO8B008 | 1A  | 1A 6.3        | 1A 7.6        | 1A 16.0             | 1A 84.5                       | 1A 2.2              | 1A 0.08                    | 1A 0.010                        | 1A 10.1                       | 1A 5                      | 1A 14                   |
| RIVER AVON     | MORSEBROOK                     | RO8B002 | 1A  | 1A 6.6        | 1A 7.7        | 1A 15.6             | 1B 71.0                       | 1A 1.7              | 1A 0.04                    | 1A 0.010                        | 1A 3.5                        | 1A 5                      | 1A 18                   |
| RIVER AVON     | GARA BRIDGE                    | RO8B003 | 1B  | 1A 6.6        | 1A 7.8        | 1A 17.0             | 1B 80.0                       | 1A 2.6              | 1A 0.09                    | 1A 0.010                        | 1A 4.6                        | 1A 7                      | 1A 18                   |
| RIVER AVON     | LODDISWELL ABOVE LODISWELL STW | RO8B004 | 1B  | 1A 7.3        | 1A 8.0        | 1A 16.3             | 1B 76.8                       | 1A 2.9              | 1A 0.07                    | 1A 0.010                        | 1A 7.3                        | ND 0                      | ND 0                    |
| RIVER AVON     | HATCH                          | RO8B005 | 1A  | 1A 7.2        | 1A 8.0        | 1A 15.5             | 1A 82.6                       | 1A 3.0              | 1A 0.09                    | 1A 0.010                        | 1A 8.6                        | 1A 5                      | 1A 12                   |
| TORR BROOK     | LODDISWELL                     | RO8B015 | 1B  | 1A 7.5        | 1A 8.1        | 1A 16.0             | 1A 87.2                       | 1A 2.8              | 1A 0.12                    | 1A 0.010                        | 1A 19.4                       | 1A 5                      | 1A 9                    |
| GLAZE BROOK    | HIGHER TURTLEY                 | RO8B009 | 1A  | 1A 6.8        | 1A 7.6        | 1A 15.8             | 1A 84.4                       | 1A 2.2              | 1A 0.04                    | 1A 0.010                        | 1A 3.3                        | 1A 5                      | 1A 9                    |
| BALA BROOK     | ZEAL                           | RO8B011 | 1A  | 1A 5.1        | 1A 7.3        | 1A 15.0             | 1A 87.0                       | 1A 2.2              | 1A 0.04                    | 1A 0.010                        | 1A 4.4                        | 1A 5                      | 1A 13                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: ERME**

| River      | Reach upstream of                     | URN     | RQO | pH (Lower)  |     | pH (Upper)   |     | Temperature (°C) |      | Dissolved Oxygen (Xsat) |      | BOD (ATU) (mg/l) |     | Total Ammonia (mg/l) |      | Un-Ionised Ammonia (mg/l) |       | Suspended Solids (mg/l) |     | Total Copper (µg/l) |   | Total Zinc (µg/l) |    |
|------------|---------------------------------------|---------|-----|-------------|-----|--------------|-----|------------------|------|-------------------------|------|------------------|-----|----------------------|------|---------------------------|-------|-------------------------|-----|---------------------|---|-------------------|----|
|            |                                       |         |     | 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      |    |
|            |                                       |         |     |             |     |              |     |                  |      |                         |      |                  |     |                      |      |                           |       |                         |     |                     |   |                   |    |
| RIVER ERME | STOWFORD WEIR                         | R098001 | 1A  | 1A          | 5.7 | 1A           | 7.8 | 1A               | 15.6 | 1A                      | 83.8 | 1A               | 1.6 | 1A                   | 0.04 | 1A                        | 0.010 | 1A                      | 2.2 | 2                   | 6 | 1A                | 10 |
| RIVER ERME | A38 BR. IVYBRIDGE ABOVE IVYBRIDGE STW | R098012 | 1A  | 1A          | 6.2 | 1A           | 7.8 | 1A               | 16.4 | 1A                      | 84.6 | 1A               | 2.1 | 1A                   | 0.70 | 1A                        | 0.010 | 1A                      | 2.5 | 1A                  | 7 | 1A                | 10 |
| RIVER ERME | CLEEVE                                | R098002 | 1A  | 1A          | 6.6 | 1A           | 7.7 | 1A               | 17.1 | 1B                      | 77.8 | 1A               | 2.5 | 1B                   | 0.50 | 1A                        | 0.010 | 1A                      | 4.0 | 1A                  | 5 | 1A                | 30 |
| RIVER ERME | LOWER KEATON                          | R098010 | 1A  | 1A          | 6.8 | 1A           | 7.7 | 1A               | 16.2 | 1A                      | 84.8 | 1A               | 2.5 | 1B                   | 0.32 | 1A                        | 0.010 | 1A                      | 4.3 | ND                  | 0 | ND                | 0  |
| RIVER ERME | FAWN'S BRIDGE                         | R098011 | 1A  | 1A          | 7.1 | 1A           | 7.7 | 1A               | 16.6 | 1A                      | 85.9 | 1A               | 2.5 | 1A                   | 0.26 | 1A                        | 0.010 | 1A                      | 4.2 | ND                  | 0 | ND                | 0  |
| RIVER ERME | SEQUER'S BRIDGE                       | R098003 | 1A  | 1A          | 7.1 | 1A           | 7.8 | 1A               | 17.5 | 1A                      | 84.7 | 1A               | 2.4 | 1A                   | 0.17 | 1A                        | 0.010 | 1A                      | 5.2 | 1A                  | 6 | 1A                | 22 |
| LUD BROOK  | FAWN'S BRIDGE                         | R098017 | 1A  | 1A          | 7.5 | 1A           | 8.0 | 1A               | 16.2 | 2                       | 53.5 | 1B               | 3.1 | 1B                   | 0.32 | 1A                        | 0.010 | 1A                      | 7.4 | ND                  | 0 | ND                | 0  |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: YEALM**

| River               | Reach upstream of                  | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|---------------------|------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                     |                                    |         |     | 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            |
| RIVER YEALM         | HELE CROSS                         | R10B022 | 1A  | 1A 5.2        | 1A 7.8        | 1A 14.8             | 1A 88.2                       | 1A 1.9              | 1A 0.03                    | 1A 0.010                        | 1A 6.7                        | ND 0                      | ND 0                    |
| RIVER YEALM         | FARDEL MILL FARM BRIDGE            | R10B002 | 1A  | 1A 5.6        | 1A 7.6        | 1A 16.7             | 1A 83.7                       | 1A 2.1              | 1A 0.08                    | 1A 0.010                        | 1A 8.0                        | 1A 7                      | 1A 20                   |
| RIVER YEALM         | BELOW RIVER PIAL AND RIDGECOT LAKE | R10B024 | 1A  | 1A 6.5        | 1A 7.7        | 1A 16.4             | 1A 85.9                       | 1A 2.0              | 1A 0.24                    | 1A 0.010                        | 1A 18.6                       | 2 43                      | 1A 49                   |
| RIVER YEALM         | LEE MILL BRIDGE                    | R10B003 | 1A  | 1A 6.6        | 1A 7.8        | 1A 15.9             | 1A 85.6                       | 1B 4.0              | 1A 0.08                    | 1A 0.010                        | 1A 16.7                       | ND 0                      | ND 0                    |
| RIVER YEALM         | POPPLE'S BRIDGE                    | R10B021 | 1A  | 1A 7.0        | 1A 7.8        | 1A 16.0             | 1A 87.3                       | 2 6.8               | 1A 0.17                    | 1A 0.010                        | 1A 18.7                       | ND 0                      | ND 0                    |
| RIVER YEALM         | YEALM BRIDGE                       | R10B004 | 1A  | 1A 7.3        | 1A 7.9        | 1A 16.2             | 1A 89.8                       | 1B 4.3              | 1A 0.14                    | 1A 0.010                        | 1A 23.3                       | 1A 9                      | 1A 31                   |
| RIVER YEALM         | PUSLINCH BRIDGE                    | R10B005 | 1B  | 1A 7.3        | 1A 8.0        | 1A 16.2             | 1A 81.1                       | 1B 3.8              | 1A 0.27                    | 1A 0.010                        | 1A 16.7                       | 1A 8                      | 1A 13                   |
| NEWTON STREAM       | BRIDGEND                           | R10B015 | 1B  | 1A 7.4        | 1A 8.2        | 1A 17.0             | 1A 86.5                       | 2 6.0               | 2 0.88                     | 3 0.030                         | 3 38.4                        | ND 0                      | ND 0                    |
| SILVERBRIDGE LAKE   | BRIXTON                            | R10B018 | 1B  | 1A 7.4        | 1A 8.2        | 1A 16.1             | 1A 80.4                       | 1B 3.8              | 1A 0.20                    | 1A 0.010                        | 1A 11.1                       | 1A 8                      | 1A 14                   |
| LONG BROOK          | YEALM BRIDGE                       | R10B014 | 1A  | 1A 7.5        | 1A 8.3        | 1A 16.7             | 1A 86.7                       | 1B 3.1              | 1A 0.22                    | 1A 0.010                        | 3 27.3                        | 1A 12                     | 1A 39                   |
| RIVER PIAL          | QUICK BRIDGE                       | R10B007 | 2   | 1A 6.1        | 1A 7.8        | 1A 18.0             | 1A 82.1                       | 1A 2.2              | 1A 0.14                    | 1A 0.010                        | 3 56.7                        | ND 0                      | ND 0                    |
| RIVER PIAL          | MARK'S BRIDGE                      | R10B008 | 2   | 1A 6.5        | 1A 7.8        | 1A 15.7             | 1A 86.3                       | 1A 2.5              | 1A 0.15                    | 1A 0.010                        | 1A 22.5                       | 2 60                      | 1A 46                   |
| CHOLWICHTOWN STREAM | PRIOR TO RIVER PIAL                | R10B006 | 2   | 3 4.8         | 1A 8.0        | 1A 16.3             | 1B 73.2                       | 1A 2.1              | 1A 0.12                    | 1A 0.010                        | 3 53.3                        | 1A 11                     | 1A 18                   |
| WEMBURY STREAM      | PRIOR TO BEACH                     | R10A001 | 1B  | 1A 7.3        | 1A 8.3        | 1A 15.9             | 1A 82.7                       | 1B 3.4              | 1A 0.25                    | 1A 0.010                        | 1A 15.4                       | ND 0                      | ND 0                    |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: PLYM**

| River             | Reach upstream of                      | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|----------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                        |         |     | 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            |
| RIVER PLYM        | ABOVE BLACKABROOK                      | R118001 | 1A  | 3 4.8         | 1A 7.3        | 1A 18.2             | 1B 75.1                       | 1A 2.4              | 1A 0.05                    | 1A 0.010                        | 1A 1.9                        | 2 13                      | 1A 18                   |
| RIVER PLYM        | BELOW BLACKABROOK ABOVE SHAUGH EASTERN | R118002 | 1A  | 3 4.7         | 1A 7.4        | 1A 18.7             | 1A 87.8                       | 1A 2.3              | 1A 0.04                    | 1A 0.010                        | 1A 1.7                        | 2 9                       | 2 90                    |
| RIVER PLYM        | CADOVER BR. BELOW SHAUGH EASTERN CP    | R118003 | 1A  | 3 4.9         | 1A 7.5        | 1A 19.1             | 1A 93.0                       | 1A 2.3              | 1A 0.05                    | 1A 0.010                        | 1A 1.3                        | 1A 3                      | 1A 21                   |
| RIVER PLYM        | SHAUGH BRIDGE (WOODEN)                 | R118004 | 1A  | 1A 5.1        | 1A 7.8        | 1A 16.8             | 1A 87.0                       | 1A 2.4              | 1A 0.05                    | 1A 0.010                        | 1A 3.2                        | 1A 3                      | 2 33                    |
| RIVER PLYM        | BICKLEIGH                              | R118018 | 1A  | 1A 6.2        | 1A 7.8        | 1A 15.7             | 1A 89.1                       | 1A 2.4              | 1A 0.07                    | 1A 0.010                        | 1A 4.5                        | ND 0                      | ND 0                    |
| RIVER PLYM        | PLYM BRIDGE                            | R118006 | 1A  | 1A 6.6        | 1A 7.8        | 1A 15.9             | 1A 88.0                       | 1A 2.6              | 1A 0.05                    | 1A 0.004                        | 1A 4.0                        | 1A 5                      | 1A 22                   |
| TORY BROOK        | TOLCHMOOR BRIDGE                       | R11A001 | 2   | 3 4.3         | 1A 7.3        | 1A 17.5             | 1A 84.5                       | 1A 2.4              | 1B 0.47                    | 1A 0.010                        | 3 121.1                       | ND 0                      | ND 0                    |
| TORY BROOK        | COLELAND BRIDGE                        | R11A002 | 2   | 3 3.8         | 1A 7.4        | 1A 17.2             | 1A 85.0                       | 1B 4.0              | 1A 0.27                    | 1A 0.010                        | 3 76.4                        | 2 47                      | 1A 71                   |
| TORY BROOK        | PORTWORTHY BRIDGE                      | R11A003 | 2   | 3 4.3         | 1A 7.5        | 1A 17.2             | 1A 84.3                       | 1B 4.1              | 1A 0.25                    | 1A 0.010                        | 3 60.8                        | 2 45                      | 1A 50                   |
| TORY BROOK        | STATION ROAD PLYMPTON                  | R11A004 | 2   | 1A 6.3        | 1A 7.7        | 1A 16.8             | 1A 84.8                       | 1B 3.2              | 1A 0.25                    | 1A 0.010                        | 3 42.0                        | ND 0                      | ND 0                    |
| TORY BROOK        | MARSH MILLS BRIDGE                     | R11A005 | 2   | 1A 6.5        | 1A 7.7        | 1A 17.0             | 1A 85.8                       | 1B 3.2              | 1A 0.12                    | 1A 0.010                        | 3 41.7                        | 1A 18                     | 1A 56                   |
| SMALLHANGER BROOK | PRIOR TO TORY BROOK                    | R11A020 | 1B  | 1A 6.4        | 1A 7.7        | 1A 15.8             | 1A 90.0                       | 1B 4.0              | 1A 0.09                    | 1A 0.000                        | 1A 22.5                       | ND 0                      | ND 0                    |
| RIVER MEAVY       | WEIR ABOVE BURRATOR RESERVOIR          | R118008 | 1A  | 1A 5.8        | 1A 7.7        | 1A 15.9             | 1B 68.8                       | 1A 2.2              | 1A 0.04                    | 1A 0.010                        | 1A 2.8                        | 2 8                       | 1A 9                    |
| RIVER MEAVY       | BURRATOR RESERVOIR                     | R118028 | 1A  | 1A 5.9        | 1A 7.7        | 1A 20.6             | 2 47.8                        | 1A 2.9              | 1A 0.07                    | 1A 0.010                        | 1A 3.3                        | 1A 3                      | 1A 27                   |
| RIVER MEAVY       | BELOW BURRATOR RESERVOIR               | R118009 | 1A  | 1A 6.0        | 1A 7.8        | 1A 18.2             | 1B 64.4                       | 1A 2.3              | 1A 0.07                    | 1A 0.010                        | 1A 2.2                        | ND 0                      | ND 0                    |
| RIVER MEAVY       | GRATTON FORD BRIDGE                    | R118010 | 1A  | 1A 6.2        | 1A 7.8        | 1A 16.8             | 1A 82.4                       | 1A 2.6              | 1A 0.08                    | 1A 0.010                        | 1A 3.2                        | ND 0                      | ND 0                    |
| RIVER MEAVY       | SHAUGH AT CONFLUENCE WITH RIVER PLYM   | R118011 | 1A  | 1A 6.2        | 1A 7.9        | 1A 15.2             | 1A 81.2                       | 1A 2.3              | 1A 0.06                    | 1A 0.010                        | 1A 4.7                        | 1A 10                     | 3 1210                  |
| BLACKA BROOK      | AT CONFLUENCE WITH RIVER PLYM          | R118007 | 1B  | 3 4.6         | 1A 7.3        | 1A 18.9             | 1B 72.3                       | 1A 2.3              | 1A 0.04                    | 1A 0.010                        | 1A 2.0                        | 2 6                       | 2 48                    |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TAVY**

| River                  | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|------------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                        |                                     |         |     | 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            |
| RIVER TAVY             | HILL BRIDGE                         | R12C001 | 1B  | 3 4.7         | 1A 7.8        | 1A 17.0             | 1A 88.6                       | 1A 1.9              | 1A 0.17                    | 1A 0.010                        | 1A 3.6                        | 1A 8                      | 1A 24                   |
| RIVER TAVY             | MARFORD BRIDGE                      | R12C002 | 1A  | 1A 5.9        | 1A 7.8        | 1A 17.6             | 1A 82.0                       | 1A 2.2              | 1A 0.04                    | 1A 0.010                        | 1A 3.9                        | 1A 5                      | 1A 27                   |
| RIVER TAVY             | KELLY SCHOOL BELOW ROWDEN FISH FARM | R12C015 | 1B  | 1A 6.0        | 1A 7.8        | 1A 16.5             | 1A 85.2                       | 1A 2.4              | 1A 0.07                    | 1A 0.010                        | 1A 5.2                        | ND 0                      | ND 0                    |
| RIVER TAVY             | WEST BRIDGE                         | R12C003 | 1B  | 1A 6.6        | 1A 7.9        | 1A 16.1             | 1A 90.6                       | 2 5.9               | 1B 0.62                    | 1A 0.011                        | 1A 4.6                        | 1A 7                      | 1A 24                   |
| RIVER TAVY             | BELOW CROWDALE STW                  | R12C023 | 2   | 1A 6.7        | 1A 7.6        | 1A 16.5             | 1B 72.2                       | 2 7.6               | 3 2.59                     | 1A 0.010                        | 1A 10.5                       | 1A 11                     | 1A 27                   |
| RIVER TAVY             | WASH FORD                           | R12C005 | 1B  | 1A 6.8        | 1A 7.9        | 1A 16.3             | 1A 89.4                       | 1B 3.4              | 1A 0.27                    | 1A 0.010                        | 1A 6.6                        | 1A 12                     | 1A 41                   |
| RIVER TAVY             | DENHAM BRIDGE                       | R12C006 | 1A  | 1A 6.7        | 1A 7.8        | 1A 16.0             | 1A 86.0                       | 1A 2.9              | 1A 0.09                    | 1A 0.010                        | 1A 4.4                        | 1A 9                      | 1A 23                   |
| RIVER TAVY             | LOPWELL DAM                         | R12C007 | 1B  | 1A 6.7        | 1A 7.9        | 1A 19.2             | 1A 82.4                       | 1A 2.6              | 1A 0.14                    | 1A 0.010                        | 1A 4.1                        | ND 0                      | ND 0                    |
| TAMERTON FOLIOT STREAM | TAMERTON FOLIOT                     | R12B005 | 1A  | 1A 6.8        | 1A 8.0        | 1A 15.3             | 3 24.2                        | 1B 3.9              | 1A 0.26                    | 1A 0.010                        | 1A 9.0                        | ND 0                      | ND 0                    |
| MILTON BROOK           | BELOW MILTON COOMBE                 | R12B001 | 1A  | 1A 7.0        | 1A 7.8        | 1A 15.7             | 1A 82.7                       | 1A 2.6              | 1A 0.16                    | 1A 0.010                        | 1A 7.7                        | ND 0                      | ND 0                    |
| RIVER WALKHAM          | MERRIVALE BRIDGE                    | R12D001 | 1A  | 3 4.8         | 1A 7.5        | 1A 14.8             | 1A 87.7                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 2.0                        | 2 6                       | 1A 9                    |
| RIVER WALKHAM          | WARD BRIDGE                         | R12D002 | 1A  | 1A 5.4        | 1A 7.5        | 1A 14.8             | 1A 90.7                       | 1A 1.8              | 1A 0.04                    | 1A 0.010                        | 1A 2.5                        | 1A 4                      | 1A 11                   |
| RIVER WALKHAM          | MAGPIE BRIDGE                       | R12D003 | 1A  | 1A 6.3        | 1A 7.9        | 1A 15.1             | 1A 88.3                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 4.6                        | 1A 7                      | 1A 16                   |
| RIVER WALKHAM          | GRENOFEN BRIDGE                     | R12D004 | 1B  | 1A 6.3        | 1A 7.8        | 1A 15.1             | 1A 90.0                       | 1A 2.5              | 1A 0.15                    | 1A 0.010                        | 1A 4.6                        | 1A 7                      | 1A 10                   |
| RIVER LUMBURN          | RUSHFORD BRIDGE                     | R12C009 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.7             | 1A 82.2                       | 1A 2.6              | 1A 0.09                    | 1A 0.010                        | 1A 7.1                        | ND 0                      | ND 0                    |
| RIVER LUMBURN          | SHILLAMILL (PRIOR TO R.TAVY)        | R12C010 | 1B  | 1A 7.1        | 1A 7.8        | 1A 15.6             | 1A 82.3                       | 1A 2.6              | 1A 0.16                    | 1A 0.010                        | 1A 10.0                       | 1A 16                     | 1A 40                   |
| RIVER WALLABROOK       | PRIOR TO RIVER TAVY                 | R12C011 | 1A  | 1A 7.2        | 1A 7.9        | 1A 17.0             | 1A 85.8                       | 1A 2.1              | 1A 0.11                    | 1A 0.010                        | 1A 6.3                        | 1A 10                     | 1A 37                   |
| RIVER BURN (TAVY)      | PRIOR TO RIVER TAVY                 | R12C008 | 1A  | 1A 6.9        | 1A 7.9        | 1A 16.7             | 1A 85.7                       | 1A 2.3              | 1A 0.13                    | 1A 0.010                        | 1A 5.5                        | 1A 19                     | 1A 59                   |
| CHOLWELL BROOK         | BROOK TAVY ABOVE MARY TAVY STW      | R12C019 | 1B  | 1A 6.5        | 1A 7.7        | 1A 17.5             | 1A 87.9                       | 1A 2.0              | 1A 0.05                    | 1A 0.010                        | 1A 3.6                        | 2 68                      | 2 257                   |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TAMAR**

| River             | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                       |         |     | 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            |
| RIVER TAMAR       | BUSES BRIDGE                          | R12L001 | 1B  | 1A 6.8        | 1A 7.6        | 1A 15.9             | 1B 77.8                       | 1B 4.4              | 3 4.14                     | 1A 0.012                        | 1A 9.6                        | 1A 5                      | 1A 20                   |
| RIVER TAMAR       | UPPER TAMAR LAKE                      | R12L017 | 1B  | 1A 7.1        | 1A 8.5        | 1A 19.0             | 2 57.9                        | 1B 5.7              | 1B 0.49                    | 1A 0.010                        | 1A 13.4                       | 1A 5                      | 1A 16                   |
| RIVER TAMAR       | LOWER TAMAR LAKE                      | R12L018 | 1B  | 1A 6.5        | 1A 7.9        | 1A 18.6             | 1B 71.8                       | 1B 4.7              | 1A 0.18                    | 1A 0.010                        | 1A 14.5                       | 1A 5                      | 1A 15                   |
| RIVER TAMAR       | FOOTBRIDGE BELOW LOWER TAMAR LAKE     | R12L009 | 1B  | 1A 7.0        | 1A 8.0        | 1A 18.8             | 1B 69.7                       | 1B 4.5              | 1A 0.15                    | 1A 0.010                        | 1A 15.0                       | 1A 5                      | 1A 12                   |
| RIVER TAMAR       | OXEBEER BRIDGE                        | R12L006 | 1B  | 1A 7.0        | 1A 7.7        | 1A 16.7             | 1B 77.2                       | 2 5.1               | 1A 0.26                    | 1A 0.010                        | 1A 14.0                       | 1A 5                      | 1A 9                    |
| RIVER TAMAR       | TAMARSTONE BRIDGE                     | R12L002 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.5             | 1B 76.2                       | 1B 3.6              | 1B 0.37                    | 1A 0.010                        | 1A 21.1                       | 1A 11                     | 1A 113                  |
| RIVER TAMAR       | BRIDGEWILE BRIDGE                     | R12L015 | 1B  | 1A 7.0        | 1A 7.8        | 1A 17.1             | 1B 75.0                       | 1B 4.6              | 1A 0.27                    | 1A 0.010                        | 1A 17.0                       | 1A 6                      | 1A 22                   |
| RIVER TAMAR       | CROWFORD BRIDGE                       | R12L003 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.6             | 1B 76.0                       | 2 5.1               | 1B 0.36                    | 1A 0.010                        | 1A 22.4                       | 2 112                     | 3 1100                  |
| RIVER TAMAR       | TAMERTON BRIDGE BELOW N TAMERTON STWS | R12L004 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.8             | 1B 78.4                       | 1B 3.8              | 1B 0.32                    | 1A 0.010                        | 1A 21.2                       | 1A 6                      | 1A 20                   |
| RIVER TAMAR       | BELOW CONFLUENCE WITH RIVER DEER      | R12L013 | 1B  | 1A 7.0        | 1A 7.9        | 1A 16.9             | 1B 68.8                       | 2 5.2               | 1B 0.32                    | 1A 0.010                        | 3 26.8                        | 1A 7                      | 1A 27                   |
| RIVER TAMAR       | BOYTON BRIDGE BELOW BOYTON STW        | R12J001 | 1B  | 1A 6.9        | 1A 7.9        | 1A 18.2             | 1B 77.2                       | 2 5.6               | 1B 0.32                    | 1A 0.010                        | 1A 24.1                       | 1A 7                      | 1A 26                   |
| RIVER TAMAR       | DRUXTON BRIDGE                        | R12J002 | 1B  | 1A 7.0        | 1A 8.0        | 1A 18.3             | 1A 81.8                       | 2 7.9               | 1B 0.66                    | 1A 0.010                        | 3 26.3                        | 1A 9                      | 1A 30                   |
| RIVER TAMAR       | NETHERBRIDGE                          | R12J003 | 1B  | 1A 7.0        | 1A 7.8        | 1A 17.7             | 1A 84.0                       | 2 8.4               | 2 0.77                     | 1A 0.010                        | 3 25.6                        | 1A 8                      | 1A 35                   |
| RIVER TAMAR       | POLSON BRIDGE BELOW ST. LEONARD'S STW | R12J004 | 1B  | 1A 7.0        | 1A 7.8        | 1A 17.5             | 1B 76.6                       | 2 6.5               | 1B 0.62                    | 1A 0.010                        | 3 28.3                        | 1A 9                      | 1A 50                   |
| RIVER TAMAR       | GREYSTONE BRIDGE                      | R12E001 | 1B  | 1A 6.9        | 1A 7.8        | 1A 17.6             | 1A 83.6                       | 1B 4.3              | 1A 0.26                    | 1A 0.010                        | 3 28.7                        | 1A 12                     | 1A 160                  |
| RIVER TAMAR       | HORSEBRIDGE                           | R12E002 | 1B  | 1A 6.9        | 1A 7.9        | 1A 17.7             | 1A 87.3                       | 1B 4.0              | 1A 0.17                    | 1A 0.010                        | 1A 21.6                       | 1A 9                      | 1A 52                   |
| RIVER TAMAR       | GUNNISLAKE BRIDGE                     | R12E003 | 1B  | 1A 7.0        | 1A 7.9        | 1A 17.7             | 1A 85.7                       | 1B 3.9              | 1A 0.22                    | 1A 0.010                        | 3 26.4                        | 2 70                      | 1A 41                   |
| BLANCHDOWN STREAM | PRIOR TO RIVER TAMAR                  | R12E004 | 3   | 3 3.3         | 1A 7.2        | 1A 16.1             | 1A 81.8                       | 2 5.1               | 2 0.81                     | 1A 0.010                        | 1A 7.2                        | 2 11382                   | 3 2308                  |
| PORTONTOWN STREAM | PRIOR TO RIVER TAMAR                  | R12E034 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.0             | 1A 89.4                       | 1A 1.8              | 1A 0.05                    | 1A 0.010                        | 1A 5.8                        | 2 88                      | 1A 131                  |
| LATCHLEY BROOK    | LATCHLEY                              | R12E028 | 1B  | 1A 6.3        | 1A 7.5        | 1A 16.5             | 1A 86.5                       | 1A 2.1              | 1A 0.09                    | 1A 0.010                        | 1A 7.0                        | 2 124                     | 2 308                   |
| RIVER LUCKETT     | OLDMILL                               | R12E016 | 2   | 1A 6.8        | 1A 7.7        | 1A 15.8             | 1A 84.3                       | 1A 2.7              | 1A 0.23                    | 1A 0.010                        | 1A 9.5                        | 1A 25                     | 1A 132                  |
| RIVER LUCKETT     | LUCKETT BRIDGE                        | R12E007 | 2   | 1A 7.0        | 1A 7.8        | 1A 15.3             | 1A 84.4                       | 1A 2.8              | 1A 0.14                    | 1A 0.010                        | 1A 8.5                        | 2 76                      | 1A 190                  |
| DAMEREL STREAM    | PRIOR TO RIVER TAMAR                  | R12E014 | 1B  | 1A 7.1        | 1A 8.1        | 1A 16.0             | 1A 88.0                       | 1B 3.6              | 1A 0.31                    | 1A 0.010                        | 1A 10.3                       | ND 0                      | ND 0                    |
| RIVER INNY        | UPSTREAM OF DAVIDSTON CREAMERY        | R12P001 | 1B  | 1A 6.7        | 1A 7.7        | 1A 15.0             | 1B 77.6                       | 2 6.5               | 1A 0.21                    | 1A 0.010                        | 3 37.6                        | 1A 7                      | 1A 100                  |
| RIVER INNY        | TREWINNOW BRIDGE                      | R12P002 | 1B  | 1A 6.7        | 1A 8.0        | 1A 15.5             | 1B 79.2                       | 2 5.7               | 1B 0.64                    | 1A 0.012                        | 1A 22.9                       | 1A 6                      | 1A 31                   |
| RIVER INNY        | ST. CLEATHER BRIDGE                   | R12P003 | 1A  | 1A 7.2        | 1A 8.1        | 1A 15.5             | 1A 80.7                       | 1B 4.8              | 1B 0.42                    | 1A 0.010                        | 1A 24.2                       | ND 0                      | ND 0                    |
| RIVER INNY        | GIMBLETT'S MILL                       | R12P012 | 1A  | 1A 7.1        | 1A 8.1        | 1A 16.0             | 1A 84.4                       | 1B 3.4              | 1A 0.10                    | 1A 0.010                        | 1A 13.5                       | ND 0                      | ND 0                    |
| RIVER INNY        | TWO BRIDGES                           | R12P004 | 1A  | 1A 7.0        | 1A 8.1        | 1A 16.5             | 1B 80.0                       | 1B 3.1              | 1A 0.13                    | 1A 0.010                        | 3 26.2                        | 1A 8                      | 1A 41                   |
| RIVER INNY        | TREKELLAND BRIDGE                     | R12P005 | 1A  | 1A 7.1        | 1A 7.9        | 1A 16.4             | 1A 81.8                       | 1B 3.3              | 1A 0.08                    | 1A 0.010                        | 1A 12.8                       | ND 0                      | ND 0                    |
| RIVER INNY        | TRECARRELL BRIDGE                     | R12P013 | 1B  | 1A 7.0        | 1A 7.9        | 1A 16.2             | 1A 85.6                       | 1A 2.6              | 1A 0.09                    | 1A 0.010                        | 1A 14.7                       | ND 0                      | ND 0                    |
| RIVER INNY        | BEALS MILL BR. ABOVE BEALS MILL STW   | R12P006 | 1B  | 1A 6.8        | 1A 8.1        | 1A 17.2             | 1A 80.4                       | 1A 2.4              | 1A 0.08                    | 1A 0.010                        | 1A 14.0                       | 1A 13                     | 1A 95                   |
| PENPONT WATER     | TRELYN BRIDGE                         | R12P010 | 1A  | 1A 5.8        | 1A 7.3        | 1A 16.0             | 1A 81.2                       | 1A 2.1              | 1A 0.08                    | 1A 0.010                        | 1A 7.9                        | ND 0                      | ND 0                    |
| PENPONT WATER     | ALTARNUN BRIDGE ABOVE ALTARNUN STW    | R12P007 | 1A  | 1A 6.2        | 1A 7.8        | 1A 15.6             | 1A 82.8                       | 1A 2.8              | 1A 0.07                    | 1A 0.010                        | 1A 7.9                        | ND 0                      | ND 0                    |
| PENPONT WATER     | TWO BRIDGES                           | R12P008 | 1A  | 1A 6.8        | 1A 7.9        | 1A 16.2             | 1A 83.8                       | 1A 2.5              | 1A 0.10                    | 1A 0.010                        | 1A 10.4                       | 1A 7                      | 1A 52                   |
| LOWLEY BROOK      | LANDLAKE BRIDGE                       | R12E005 | 1B  | 1A 7.1        | 1A 8.0        | 1A 15.5             | 1A 83.1                       | 1B 3.6              | 2 0.76                     | 1A 0.010                        | 1A 19.2                       | ND 0                      | ND 0                    |
| LOWLEY BROOK      | LANDUE BRIDGE                         | R12E017 | 1B  | 1A 7.0        | 1A 7.9        | 1A 15.5             | 1A 80.9                       | 1B 4.5              | 1A 0.26                    | 1A 0.010                        | 1A 17.1                       | ND 0                      | ND 0                    |
| LOWLEY BROOK      | LOWLEY BRIDGE                         | R12E006 | 1B  | 1A 7.0        | 1A 8.0        | 1A 15.4             | 1A 80.4                       | 1B 4.4              | 1A 0.25                    | 1A 0.010                        | 1A 18.4                       | 1A 24                     | 1A 37                   |
| RIVER LYD         | A386 ROADBRIDGE LYDFORD               | R12F012 | 1B  | 1A 5.7        | 1A 7.6        | 1A 15.5             | 1A 90.0                       | 1A 2.3              | 1A 0.04                    | 1A 0.010                        | 1A 9.1                        | 1A 3                      | 1A 12                   |
| RIVER LYD         | GREENLANES BRIDGE                     | R12F001 | 1B  | 1A 6.7        | 1A 7.7        | 1A 15.6             | 1A 88.0                       | 1A 2.2              | 1A 0.22                    | 1A 0.010                        | 1A 4.6                        | ND 0                      | ND 0                    |
| RIVER LYD         | SYDENHAM BRIDGE                       | R12F011 | 1B  | 1A 6.9        | 1A 7.8        | 1A 16.1             | 1A 85.9                       | 1A 2.4              | 1A 0.10                    | 1A 0.010                        | 1A 6.6                        | ND 0                      | ND 0                    |
| RIVER LYD         | LIFTON BRIDGE                         | R12F002 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.8             | 1A 89.8                       | 1A 2.7              | 1A 0.18                    | 1A 0.010                        | 1A 9.1                        | 1A 7                      | 1A 38                   |
| QUITHER BROOK     | PRIOR TO RIVER LYD                    | R12F013 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.3             | 1A 86.0                       | 1A 2.1              | 1A 0.07                    | 1A 0.010                        | 1A 9.9                        | ND 0                      | ND 0                    |
| RIVER LEW (TAMAR) | COMBEBOW BRIDGE                       | R12F003 | 1B  | 1A 7.0        | 1A 7.8        | 1A 15.6             | 1A 88.7                       | 1A 2.4              | 1A 0.18                    | 1A 0.010                        | 1A 6.9                        | ND 0                      | ND 0                    |
| RIVER LEW (TAMAR) | PRIOR TO RIVER LYD                    | R12F004 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.1             | 1A 90.8                       | 1A 2.5              | 1A 0.12                    | 1A 0.010                        | 1A 9.0                        | 1A 30                     | 1A 76                   |
| COMBEBOW STREAM   | ROAD CULVERT ABOVE COMBEBOW QUARRY    | R12F010 | 1B  | 1A 6.8        | 1A 7.7        | 1A 14.5             | 1A 87.0                       | 1A 2.3              | 1A 0.24                    | 1A 0.010                        | 1A 12.8                       | 2 62                      | 1A 158                  |
| RIVER THRUSHEL    | RIVERMEAD BRIDGE                      | R12G001 | 1B  | 1A 6.8        | 1A 7.8        | 1A 15.4             | 1A 83.8                       | 1B 3.6              | 1B 0.42                    | 1A 0.010                        | 1A 15.6                       | 1A 5                      | 1A 15                   |
| RIVER THRUSHEL    | WRIXHILL BRIDGE                       | R12G002 | 1B  | 1A 6.8        | 1A 7.7        | 1A 15.5             | 1A 80.5                       | 2 6.3               | 1B 0.53                    | 1A 0.010                        | 3 50.7                        | 1A 4                      | 1A 10                   |
| RIVER THRUSHEL    | STOWFORD BRIDGE                       | R12G003 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.9             | 1A 80.8                       | 2 8.3               | 2 0.98                     | 1A 0.010                        | 3 41.6                        | 1A 5                      | 1A 10                   |
| RIVER THRUSHEL    | TINMAY BRIDGE                         | R12G004 | 1B  | 1A 6.8        | 1A 7.8        | 1A 17.6             | 1A 85.8                       | 2 5.6               | 2 0.73                     | 1A 0.010                        | 3 28.0                        | 1A 9                      | 1A 29                   |
| BREAZLE WATER     | PRIOR TO RIVER THRUSHEL               | R12G010 | 1B  | 1A 6.8        | 1A 7.8        | 1A 15.4             | 1B 79.0                       | 3 12.0              | 1B 0.41                    | 1A 0.010                        | 3 43.5                        | 1A 6                      | 1A 19                   |
| BRATTON BROOK     | BRATTON CLOVELLY                      | R12G009 | 1B  | 1A 6.8        | 1A 7.7        | 1A 14.9             | 1A 84.0                       | 1B 4.0              | 1A 0.27                    | 1A 0.010                        | 1A 16.5                       | 1A 5                      | 1A 17                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TAMAR**

| River               | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|---------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                     |                                     |         |     | 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            |
| RIVER WOLF          | WEEK'S MILL BRIDGE                  | R12G005 | 1B  | 1A 6.8        | 1A 7.7        | 1A 15.4             | 1A 83.4                       | 1B 4.0              | 1B 0.49                    | 1A 0.010                        | 1A 15.5                       | 1A 16                     | 1A 91                   |
| RIVER WOLF          | ROADFORD NEW BRIDGE                 | R12G084 | 1B  | 1A 7.3        | 1A 7.8        | 1A 18.3             | 1A 89.0                       | 1A 1.4              | 1A 0.20                    | 1A 0.001                        | 1A 2.4                        | 1A 2                      | 1A 4                    |
| RIVER WOLF          | REXON BR. BELOW BROADWOODWIDGER STW | R12G006 | 1B  | 1A 6.8        | 1A 7.8        | 1A 18.0             | 1B 77.7                       | 1A 2.3              | 1A 0.16                    | 1A 0.010                        | 1A 9.5                        | 1A 4                      | 1A 14                   |
| RIVER WOLF          | PRIOR TO RIVER THRUSHEL             | R12G007 | 1B  | 1A 7.0        | 1A 7.8        | 1A 17.8             | 1A 86.0                       | 2 6.4               | 1B 0.32                    | 1A 0.010                        | 3 38.1                        | 1A 18                     | 1A 52                   |
| BROADWOOD BROOK     | KELLACOTT BRIDGE                    | R12G012 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.3             | 1B 79.0                       | 2 7.3               | 1B 0.41                    | 1A 0.010                        | 3 39.3                        | 1A 4                      | 1A 42                   |
| HENNARD STREAM      | PRIOR TO ROADFORD RESERVOIR         | R12G096 | 1B  | 1A 7.0        | 1A 7.7        | 1A 15.5             | 1A 88.0                       | 1A 2.7              | 1A 0.07                    | 1A 0.010                        | 1A 9.1                        | ND 0                      | ND 0                    |
| RIVER KENSEY        | BADGALL BRIDGE                      | R12N003 | 1B  | 1A 6.6        | 1A 7.7        | 1A 14.8             | 1A 85.0                       | 1A 2.3              | 1A 0.12                    | 1A 0.010                        | 1A 8.9                        | 1A 12                     | 2 255                   |
| RIVER KENSEY        | BADHARLICK BRIDGE                   | R12N001 | 1B  | 1A 6.8        | 1A 7.7        | 1A 15.0             | 1B 80.0                       | 1A 2.7              | 1B 0.39                    | 1A 0.010                        | 1A 8.2                        | 1A 7                      | 1A 78                   |
| RIVER KENSEY        | TRUSCOTT BR. ABOVE TREGADILLETT STW | R12N004 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.2             | 1A 81.7                       | 1B 4.0              | 1B 0.54                    | 1A 0.010                        | 1A 11.6                       | 1A 10                     | 1A 85                   |
| RIVER KENSEY        | NEWPORT                             | R12N005 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.0             | 1A 82.7                       | 1A 2.8              | 1A 0.21                    | 1A 0.010                        | 1A 17.1                       | 1A 7                      | 1A 63                   |
| RIVER KENSEY        | ST. LEONARDS BRIDGE                 | R12N002 | 1B  | 1A 6.8        | 1A 8.0        | 1A 15.9             | 1A 83.9                       | 1B 4.2              | 1A 0.24                    | 1A 0.010                        | 1A 17.7                       | 1A 11                     | 1A 56                   |
| TREGEARE STREAM     | RED DOWN BRIDGE                     | R12N006 | 1B  | 1A 6.6        | 1A 7.6        | 1A 15.4             | 1A 80.4                       | 1B 3.2              | 1B 0.32                    | 1A 0.010                        | 1A 7.9                        | 1A 6                      | 1A 35                   |
| RIVER CAREY         | HALWILL BRIDGE - QUODITCH           | R12H006 | 1A  | 1A 6.7        | 1A 7.9        | 1A 15.5             | 1B 79.0                       | 1B 4.9              | 1B 0.41                    | 1A 0.010                        | 1A 11.5                       | 1A 13                     | 1A 15                   |
| RIVER CAREY         | ASHMILL BRIDGE ABOVE ASHWATER STW   | R12H001 | 1A  | 1A 6.8        | 1A 7.9        | 1A 15.8             | 1B 79.4                       | 2 5.2               | 1B 0.33                    | 1A 0.010                        | 1A 13.0                       | 1A 12                     | 1A 30                   |
| RIVER CAREY         | MIDDLE BRIDGE VIRGINSTOW            | R12H007 | 1B  | 1A 6.8        | 1A 7.8        | 1A 15.6             | 1B 80.0                       | 2 5.4               | 1B 0.40                    | 1A 0.010                        | 1A 15.4                       | 1A 11                     | 1A 20                   |
| RIVER CAREY         | BOLDFORE BRIDGE                     | R12H008 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.9             | 1B 77.6                       | 2 6.1               | 1B 0.50                    | 1A 0.010                        | 1A 18.5                       | 1A 6                      | 1A 13                   |
| RIVER CAREY         | HEALE BRIDGE                        | R12H002 | 1B  | 1A 6.8        | 1A 7.8        | 1A 17.6             | 1B 79.2                       | 2 6.6               | 1B 0.35                    | 1A 0.010                        | 1A 16.2                       | 1A 8                      | 1A 27                   |
| HENFORD WATER       | HENFORD                             | R12H005 | 1B  | 1A 6.8        | 1A 7.8        | 1A 15.9             | 1A 82.9                       | 1B 3.1              | 1A 0.20                    | 1A 0.010                        | 1A 9.1                        | 1A 8                      | 1A 14                   |
| RIVER OTTERY        | OTTERRHAM MILL                      | R12M004 | 1B  | 1A 6.7        | 1A 7.7        | 1A 16.0             | 1A 80.8                       | 2 5.9               | 1B 0.59                    | 1A 0.010                        | 1A 6.6                        | 1A 7                      | 1A 92                   |
| RIVER OTTERY        | TRENGUNE BRIDGE                     | R12M005 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.6             | 1A 81.7                       | 1B 4.4              | 1B 0.40                    | 1A 0.010                        | 1A 7.9                        | 1A 5                      | 1A 36                   |
| RIVER OTTERY        | CANWORTHY WATER BRIDGE              | R12M001 | 1B  | 1A 6.9        | 1A 7.7        | 1A 18.4             | 1A 83.5                       | 1B 3.8              | 1A 0.27                    | 1A 0.010                        | 1A 10.4                       | 1A 4                      | 1A 18                   |
| RIVER OTTERY        | HELLESCOTT BRIDGE                   | R12M002 | 1B  | 1A 7.0        | 1A 7.7        | 1A 18.5             | 1A 83.2                       | 2 5.1               | 1B 0.34                    | 1A 0.010                        | 1A 13.8                       | 1A 4                      | 1A 17                   |
| RIVER OTTERY        | YEOLMBRIDGE                         | R12M006 | 1B  | 1A 7.0        | 1A 8.0        | 1A 19.6             | 1A 81.6                       | 2 5.9               | 1B 0.33                    | 1A 0.010                        | 1A 17.9                       | 1A 8                      | 1A 16                   |
| RIVER OTTERY        | HAM MILL BRIDGE                     | R12M007 | 1B  | 1A 6.9        | 1A 8.0        | 1A 19.5             | 1A 80.8                       | 2 5.6               | 1B 0.34                    | 1A 0.010                        | 1A 14.6                       | 1A 10                     | 1A 33                   |
| BOLESBRIDGE WATER   | 200 METRES D/S OF NAVARINO BRIDGE   | R12M012 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.7             | 2 53.0                        | 2 8.3               | 2 1.44                     | 1A 0.010                        | 1A 24.0                       | 2 77                      | 1A 25                   |
| CAUDWORTHY WATER    | CAUDWORTHY BRIDGE                   | R12M010 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.9             | 1B 71.2                       | 1B 3.9              | 1A 0.27                    | 1A 0.010                        | 1A 18.7                       | 1A 5                      | 1A 16                   |
| CAUDWORTHY WATER    | PRIOR TO RIVER OTTERY               | R12M011 | 1B  | 1A 6.7        | 1A 7.7        | 1A 16.6             | 1B 77.0                       | 1B 4.6              | 1A 0.30                    | 1A 0.010                        | 3 31.3                        | 1A 6                      | 1A 20                   |
| CANWORTHY WATER     | PRIOR TO RIVER OTTERY               | R12M008 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.7             | 1A 85.0                       | 1A 2.5              | 1A 0.28                    | 1A 0.010                        | 1A 9.6                        | 1A 9                      | 1A 68                   |
| TALA WATER          | BRIDGETOWN                          | R12J006 | 1B  | 1A 6.6        | 1A 7.7        | 1A 15.1             | 1B 61.3                       | 1A 2.7              | 1A 0.29                    | 1A 0.010                        | 1A 9.3                        | 1A 19                     | 2 457                   |
| LANA LAKE           | LANA BRIDGE                         | R12J005 | 1B  | 1A 6.8        | 1A 7.7        | 1A 15.8             | 1B 71.7                       | 2 7.2               | 2 0.95                     | 1A 0.010                        | 1A 20.8                       | 1A 11                     | 1A 21                   |
| RIVER CLAW          | CLAW BRIDGE                         | R12K016 | 1B  | 1A 7.0        | 1A 7.7        | 1A 17.1             | 1B 68.5                       | 1B 4.0              | 1B 0.61                    | 1A 0.010                        | 1A 16.4                       | 1A 6                      | 1A 28                   |
| RIVER CLAW          | CLAWTON BRIDGE                      | R12K001 | 1B  | 1A 6.8        | 1A 7.8        | 1A 18.7             | 1A 85.3                       | 1B 4.9              | 1B 0.40                    | 1A 0.010                        | 3 27.1                        | 1A 8                      | 1A 12                   |
| RIVER CLAW          | TETCOTT BRIDGE                      | R12K002 | 1B  | 1A 6.8        | 1A 7.7        | 1A 17.6             | 1B 74.8                       | 1B 4.3              | 1B 0.35                    | 1A 0.010                        | 1A 19.6                       | 1A 7                      | 1A 30                   |
| RIVER DEER          | RYDON BRIDGE                        | R12K003 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.3             | 1B 72.2                       | 1B 3.6              | 1B 0.36                    | 1A 0.010                        | 1A 14.1                       | 1A 6                      | 1A 17                   |
| RIVER DEER          | WINSOTT BRIDGE                      | R12K004 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.0             | 1B 70.4                       | 1B 4.3              | 1B 0.36                    | 1A 0.010                        | 1A 19.9                       | 1A 5                      | 1A 12                   |
| RIVER DEER          | DEER BRIDGE                         | R12K005 | 1B  | 1A 6.9        | 1A 7.9        | 1A 17.9             | 1B 75.7                       | 2 5.1               | 1B 0.34                    | 1A 0.010                        | 1A 22.2                       | 1A 7                      | 1A 38                   |
| COLESMILL STREAM    | 100 METRES BELOW HOLSWORTHY STW     | R12K007 | 2   | 1A 6.8        | 1A 7.7        | 1A 16.9             | 1B 60.7                       | 2 5.7               | 3 1.71                     | 1A 0.013                        | 1A 16.4                       | 1A 7                      | 1A 29                   |
| DERRIL WATER        | DUALSTONE BRIDGE                    | R12L005 | 1B  | 1A 7.1        | 1A 7.8        | 1A 15.6             | 2 50.9                        | 2 7.8               | 1B 0.46                    | 1A 0.010                        | 1A 19.3                       | 1A 4                      | 1A 17                   |
| SMALL BROOK (TAMAR) | HEADON BRIDGE                       | R12L011 | 1B  | 1A 6.9        | 1A 7.6        | 1A 15.1             | 1B 78.0                       | 2 6.6               | 1B 0.38                    | 1A 0.010                        | 1A 12.1                       | 1A 6                      | 1A 12                   |
| SMALL BROOK (TAMAR) | YOULDON BRIDGE                      | R12L008 | 1B  | 1A 6.9        | 1A 7.7        | 1A 15.9             | 1B 76.9                       | 2 7.1               | 2 1.10                     | 1A 0.010                        | 1A 12.1                       | 1A 19                     | 1A 14                   |
| LANBERAL WATER      | FORDA                               | R12L010 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.4             | 1A 85.2                       | 1B 3.6              | 1A 0.22                    | 1A 0.010                        | 1A 8.9                        | 1A 4                      | 1A 14                   |
| LANBERAL WATER      | MORETON POUND BRIDGE                | R12L007 | 1B  | 1A 6.8        | 1A 7.7        | 1A 16.5             | 1A 80.9                       | 1B 4.5              | 1B 0.51                    | 1A 0.010                        | 1A 18.0                       | 1A 20                     | 1A 16                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: LYNHER**

| River               | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|---------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                     |                                     |         |     | 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            |
| RIVER LYNHER        | TREBARTHA ROAD BRIDGE               | R12Q001 | 1A  | 1A 6.4        | 1A 7.8        | 1A 15.2             | 1A 85.2                       | 1A 1.9              | 1A 0.11                    | 1A 0.010                        | 1A 6.9                        | 1A 4                      | 1A 15                   |
| RIVER LYNHER        | BERRIOWBRIDGE ABOVE MIDDLEWOOD STW  | R12Q002 | 1A  | 1A 6.3        | 1A 7.6        | 1A 14.9             | 1A 91.8                       | 1A 2.3              | 1A 0.06                    | 1A 0.010                        | 1A 4.5                        | 1A 7                      | 1A 48                   |
| RIVER LYNHER        | RILLA MILL BR. BELOW RILLA MILL STW | R12Q003 | 1B  | 1A 6.7        | 1A 7.8        | 1A 15.3             | 1A 83.8                       | 1A 2.4              | 1A 0.09                    | 1A 0.010                        | 1A 5.7                        | 1A 18                     | 1A 130                  |
| RIVER LYNHER        | BICTON MILL BRIDGE                  | R12Q004 | 1A  | 1A 6.8        | 1A 7.8        | 1A 15.8             | 1A 87.8                       | 1A 2.2              | 1A 0.08                    | 1A 0.010                        | 1A 5.6                        | 2 60                      | 1A 62                   |
| RIVER LYNHER        | NEWBRIDGE                           | R12Q005 | 1A  | 1A 6.6        | 1A 7.6        | 1A 16.3             | 1A 89.8                       | 1A 2.0              | 1B 0.45                    | 1A 0.010                        | 1A 5.4                        | 2 32                      | 1A 101                  |
| RIVER LYNHER        | CLAPPER BRIDGE                      | R12Q025 | 1A  | 1A 6.8        | 1A 7.7        | 1A 16.0             | 1A 88.8                       | 1A 2.3              | 1A 0.12                    | 1A 0.010                        | 1A 5.5                        | 1A 22                     | 1A 92                   |
| RIVER LYNHER        | PILLATON BRIDGE                     | R12Q006 | 1A  | 1A 6.9        | 1A 7.7        | 1A 16.0             | 1A 88.0                       | 1A 2.4              | 1A 0.10                    | 1A 0.010                        | 1A 5.8                        | 1A 20                     | 1A 91                   |
| RIVER LYNHER        | NOTTER BRIDGE BELOW HATT STW        | R12Q007 | 1A  | 1A 6.7        | 1A 7.7        | 1A 16.3             | 1A 85.8                       | 1A 2.6              | 1A 0.12                    | 1A 0.010                        | 1A 7.6                        | 2 22                      | 1A 64                   |
| DEAN'S BROOK        | BRIDGE                              | R12Q029 | 1A  | 1A 7.0        | 1A 7.8        | 1A 16.9             | 1A 81.2                       | 1B 4.3              | 1A 0.25                    | 1A 0.010                        | 1A 9.4                        | 1A 4                      | 1A 8                    |
| KELLY BROOK         | HAVE                                | R12Q026 | 2   | 1A 6.6        | 1A 7.5        | 1A 15.3             | 1B 78.7                       | 1B 3.9              | 1A 0.08                    | 1A 0.010                        | 1A 4.7                        | 1A 32                     | 3 1100                  |
| KELLY BROOK         | CADDAPIT BELOW CALLINGTON STW       | R12Q009 | 2   | 1A 6.8        | 1A 7.5        | 1A 16.6             | 1B 71.5                       | 2 5.2               | 3 7.55                     | 3 0.060                         | 1A 5.9                        | 1A 17                     | 2 430                   |
| MARKE VALLEY STREAM | UPTON CROSS                         | R12Q027 | 1B  | 1A 5.9        | 1A 7.0        | 1A 13.5             | 1A 83.7                       | 2 6.4               | 1A 0.05                    | 1A 0.010                        | 1A 8.1                        | 2 322                     | 3 953                   |
| WITHEY BROOK        | UPSTREAM OF BASTREET WTW INTAKE     | R12Q010 | 1A  | 1A 5.5        | 1A 6.9        | 1A 15.0             | 1A 80.8                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 2.2                        | 1A 5                      | 1A 19                   |
| WITHEY BROOK        | PRIOR TO RIVER LYNHER               | R12Q008 | 1A  | 1A 6.1        | 1A 7.5        | 1A 14.5             | 1A 89.8                       | 1A 2.7              | 1A 0.14                    | 1A 0.010                        | 1A 3.1                        | 1A 3                      | 1A 18                   |
| RIVER TIDDY         | ABOVE PENSILVA S T W                | R12R001 | 1B  | 1A 6.3        | 1A 7.7        | 1A 14.2             | 1A 85.1                       | 2 8.9               | 1B 0.67                    | 1A 0.010                        | 1A 19.0                       | 1A 19                     | 1A 42                   |
| RIVER TIDDY         | BUTTERDON MILL                      | R12R002 | 1B  | 1A 6.9        | 1A 7.7        | 1A 14.6             | 1A 83.8                       | 2 6.7               | 1B 0.54                    | 1A 0.010                        | 1A 18.0                       | 1A 16                     | 1A 110                  |
| RIVER TIDDY         | TILLAND MILL BRIDGE                 | R12R003 | 1B  | 1A 7.3        | 1A 8.0        | 1A 15.9             | 1A 83.5                       | 2 6.9               | 1B 0.32                    | 1A 0.010                        | 3 43.4                        | 1A 6                      | 1A 26                   |
| RIVER TIDDY         | TIDEFORD BRIDGE                     | R12R004 | 1B  | 1A 7.3        | 1A 8.0        | 1A 15.9             | 1A 84.9                       | 2 5.1               | 1B 0.39                    | 1A 0.010                        | 3 29.3                        | 1A 30                     | 1A 99                   |
| TRECORME STREAM     | TILLAND BRIDGE                      | R12R006 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.2             | 1A 81.9                       | 2 8.1               | 1B 0.64                    | 1A 0.010                        | 1A 18.8                       | 1A 8                      | 1A 33                   |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: SEATON**

| River            | Reach upstream of                 | URN     | RQO | pH<br>(Lower) |       | pH<br>(Upper) |        | Temperature<br>(°C) |        | Dissolved<br>Oxygen<br>(%sat) |       | BOD (ATU)<br>(mg/l) |        | Total<br>Ammonia<br>(mg/l) |        | Un-Ionised<br>Ammonia<br>(mg/l) |        | Suspended<br>Solids<br>(mg/l) |      | Total<br>Copper<br>(µg/l) |        | Total<br>Zinc<br>(µg/l) |        |
|------------------|-----------------------------------|---------|-----|---------------|-------|---------------|--------|---------------------|--------|-------------------------------|-------|---------------------|--------|----------------------------|--------|---------------------------------|--------|-------------------------------|------|---------------------------|--------|-------------------------|--------|
|                  |                                   |         |     | 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 |
| RIVER SEATON     | CROW'S NEST ABOVE CROW'S NEST STW | R13A001 | 3   | 1A            | 5.8   | 1A            | 6.6    | 1A                  | 14.1   | 1A                            | 82.1  | 1A                  | 1.8    | 1A                         | 0.04   | 1A                              | 0.010  | 1A                            | 8.5  | 2                         | 1245   | 2                       | 537    |
| RIVER SEATON     | HENDRA BRIDGE                     | R13A002 | 1A  | 1A            | 6.8   | 1A            | 7.6    | 1A                  | 14.5   | 1A                            | 80.1  | 1B                  | 3.4    | 1B                         | 0.33   | 1A                              | 0.010  | 1A                            | 24.9 | 2                         | 392    | 1A                      | 150    |
| RIVER SEATON     | COURTNEY'S MILL BRIDGE            | R13A003 | 1A  | 1A            | 7.0   | 1A            | 7.9    | 1A                  | 14.9   | 1B                            | 80.0  | 1A                  | 2.9    | 1A                         | 0.14   | 1A                              | 0.010  | 1A                            | 14.5 | 2                         | 110    | 1A                      | 72     |
| RIVER SEATON     | HESSENFORD                        | R13A004 | 1A  | 1A            | 7.1   | 1A            | 8.0    | 1A                  | 15.0   | 1A                            | 85.4  | 1A                  | 2.4    | 1A                         | 0.13   | 1A                              | 0.010  | 1A                            | 9.0  | 2                         | 60     | 1A                      | 37     |
| RIVER SEATON     | SEATON BEACH                      | R13A005 | 1B  | 1A            | 7.2   | 1A            | 7.9    | 1A                  | 15.2   | 1B                            | 72.6  | 1A                  | 2.3    | 1A                         | 0.06   | 1A                              | 0.010  | 1A                            | 9.1  | 2                         | 69     | 1A                      | 37     |
| MENHENIOT STREAM | AT FACTORY                        | R13A009 | 1A  | 1A            | 7.2   | 1A            | 7.9    | 1A                  | 15.3   | 1B                            | 78.3  | 1A                  | 2.9    | 1A                         | 0.27   | 1A                              | 0.010  | 1A                            | 13.2 | 1A                        | 71     | 1A                      | 75     |
| TREMAR STREAM    | ROSECRADDOC                       | R13A008 | 1A  | 1A            | 6.6   | 1A            | 7.5    | 1A                  | 14.7   | 1A                            | 81.2  | 1B                  | 4.8    | 1B                         | 0.67   | 1A                              | 0.010  | 1A                            | 14.2 | 2                         | 427    | 2                       | 266    |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: LOOE**

| River              | Reach upstream of                    | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|--------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                      |         |     | Class 5%ile   | Class 95%ile  | Class 95%ile        | Class 5%ile                   | Class 95%ile        | Class 95%ile               | Class 95%ile                    | Class Mean                    | Class 95%ile              | Class 95%ile            |
| EAST LOOE RIVER    | VENTON VEOR BRIDGE                   | R148005 | 1B  | 1A 7.1        | 1A 7.9        | 1A 16.3             | 1A 85.0                       | 1A 2.5              | 1A 0.10                    | 1A 0.010                        | 1A 12.7                       | 1A 10                     | 1A 65                   |
| EAST LOOE RIVER    | LOOE MILLS                           | R148001 | 1B  | 1A 7.2        | 1A 7.8        | 1A 16.0             | 1A 86.8                       | 1A 2.4              | 1A 0.08                    | 1A 0.010                        | 1A 12.1                       | 1A 7                      | 1A 29                   |
| EAST LOOE RIVER    | LAMELLION MILL                       | R148002 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.2             | 1B 77.8                       | 1B 3.3              | 1A 0.10                    | 1A 0.010                        | 1A 14.8                       | 1A 28                     | 1A 44                   |
| EAST LOOE RIVER    | BELOW LISKEARD STW                   | R148008 | 1B  | 1A 7.2        | 1A 7.7        | 1A 15.2             | 1A 85.3                       | 1A 2.8              | 1B 0.57                    | 1A 0.010                        | 1A 13.9                       | 1A 27                     | 1A 35                   |
| EAST LOOE RIVER    | TRUSSEL BRIDGE                       | R148003 | 1B  | 1A 7.2        | 1A 7.8        | 1A 16.2             | 1B 79.5                       | 1B 3.3              | 1B 0.59                    | 1A 0.010                        | 1A 14.3                       | 1A 15                     | 1A 37                   |
| EAST LOOE RIVER    | LANDLOOE BRIDGE BELOW TREWIDLAND STW | R148006 | 1B  | 1A 7.3        | 1A 8.0        | 1A 16.1             | 1A 80.8                       | 1A 2.3              | 1A 0.19                    | 1A 0.010                        | 1A 13.7                       | 1A 17                     | 1A 21                   |
| EAST LOOE RIVER    | RAILWAY HALL SANDPLACE               | R148004 | 1B  | 1A 7.3        | 1A 8.0        | 1A 15.9             | 1B 79.4                       | 1A 2.7              | 1A 0.17                    | 1A 0.010                        | 1A 11.9                       | 1A 6                      | 1A 28                   |
| DOBWALLS STREAM    | TUELMENNA BRIDGE                     | R148007 | 1B  | 1A 6.8        | 1A 7.9        | 1A 16.4             | 1B 66.8                       | 1A 2.0              | 1A 0.17                    | 1A 0.010                        | 1A 13.4                       | 1A 6                      | 1A 166                  |
| WEST LOOE RIVER    | BOSENT BRIDGE                        | R14C010 | 1B  | 1A 7.1        | 1A 7.9        | 1A 15.0             | 1B 68.6                       | 1B 3.6              | 2 1.50                     | 1A 0.010                        | 3 30.3                        | 1A 14                     | 1A 54                   |
| WEST LOOE RIVER    | SCAWN MILL BRIDGE                    | R14C001 | 1B  | 1A 7.1        | 1A 8.2        | 1A 15.4             | 1A 82.3                       | 1B 5.0              | 2 0.87                     | 1A 0.010                        | 1A 24.5                       | 1A 12                     | 1A 34                   |
| WEST LOOE RIVER    | CHURCHBRIDGE                         | R14C002 | 1B  | 1A 7.2        | 1A 7.9        | 1A 15.3             | 1A 83.8                       | 1B 5.0              | 1B 0.54                    | 1A 0.010                        | 1A 21.7                       | 1A 18                     | 1A 48                   |
| WEST LOOE RIVER    | SOWDEN'S BRIDGE                      | R14C003 | 1B  | 1A 7.0        | 1A 7.9        | 1A 15.3             | 1B 78.8                       | 2 6.4               | 1A 0.29                    | 1A 0.010                        | 1A 19.1                       | 1A 12                     | 1A 58                   |
| COLDRINNICK STREAM | TREGARRICK MILL BRIDGE               | R14C011 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.6             | 1B 76.5                       | 1B 3.2              | 1A 0.27                    | 1A 0.010                        | 1A 13.2                       | 1A 14                     | 1A 44                   |
| CONNON STREAM      | ABOVE CONNON BRIDGE TIPT             | R14C005 | 1B  | 1A 6.8        | 1A 7.9        | 1A 14.2             | 1B 76.7                       | 1B 4.8              | 2 1.44                     | 1A 0.013                        | 3 43.6                        | 1A 15                     | 1A 81                   |
| CONNON STREAM      | TREVILLIS WOOD                       | R14C006 | 1B  | 1A 7.0        | 1A 7.8        | 1A 14.2             | 1A 80.5                       | 2 6.4               | 3 2.02                     | 1A 0.010                        | 1A 16.4                       | 1A 12                     | 1A 47                   |
| CONNON STREAM      | HERODSFOOT BRIDGE                    | R14C008 | 1B  | 1A 6.8        | 1A 7.9        | 1A 15.1             | 1B 79.4                       | 1B 4.7              | 2 0.71                     | 1A 0.010                        | 1A 19.7                       | 1A 13                     | 1A 45                   |
| POLPERRO RIVER     | POLPERRO                             | R14A001 | 1B  | 1A 7.3        | 1A 8.1        | 1A 15.6             | 1A 80.6                       | 2 7.3               | 1A 0.11                    | 1A 0.010                        | 3 25.3                        | 1A 6                      | 1A 33                   |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: FOWEY**

| River            | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                  |                                       |         |     | 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            |
| RIVER FOWEY      | MARROWBRIDGE                          | R158001 | 1B  | 1A 5.7        | 1A 7.1        | 1A 14.6             | 1A 82.3                       | 1A 1.9              | 1A 0.05                    | 1A 0.010                        | 1A 4.5                        | 1A 6                      | 1A 24                   |
| RIVER FOWEY      | LAMELGATE                             | R158024 | 1B  | 1A 5.7        | 1A 7.2        | 1A 14.5             | 1A 80.4                       | 1A 2.0              | 1A 0.05                    | 1A 0.010                        | 1A 4.4                        | 1A 12                     | 1A 25                   |
| RIVER FOWEY      | DRAYNES BRIDGE                        | R158002 | 1B  | 1A 5.9        | 1A 7.3        | 1A 15.2             | 1A 82.4                       | 1A 2.0              | 1A 0.05                    | 1A 0.010                        | 1A 4.0                        | 1A 5                      | 1A 20                   |
| RIVER FOWEY      | TREVERBYN BRIDGE                      | R158003 | 1B  | 1A 6.2        | 1A 7.6        | 1A 15.4             | 1A 87.4                       | 1A 2.7              | 1A 0.05                    | 1A 0.010                        | 1A 5.9                        | 1A 11                     | 1A 51                   |
| RIVER FOWEY      | BODITHIEL BR. BELOW TRAGO MILLS STW   | R158004 | 1B  | 1A 6.3        | 1A 7.7        | 1A 16.5             | 1A 89.4                       | 1A 2.3              | 1A 0.08                    | 1A 0.010                        | 1A 6.2                        | 1A 6                      | 1A 23                   |
| RIVER FOWEY      | RESPRYN BRIDGE                        | R158025 | 1B  | 1A 6.6        | 1A 7.8        | 1A 15.8             | 1A 85.0                       | 1A 2.5              | 1A 0.06                    | 1A 0.010                        | 1A 9.4                        | 1A 7                      | 1A 29                   |
| RIVER FOWEY      | RESTORMEL                             | R158006 | 1B  | 1A 6.5        | 1A 7.7        | 1A 16.5             | 1A 89.0                       | 1A 2.4              | 1A 0.05                    | 1A 0.010                        | 1A 10.2                       | 1A 7                      | 1A 35                   |
| PONT PILL        | TRETHAKE MILL                         | R15A003 | 1B  | 1A 7.3        | 1A 8.1        | 1A 15.0             | 1A 84.9                       | 1B 4.3              | 1A 0.05                    | 1A 0.010                        | 1A 12.9                       | 1A 5                      | 1A 31                   |
| TREBANT WATER    | EAST TENCREEK                         | R15A002 | 1B  | 1A 7.2        | 1A 7.9        | 1A 15.3             | 1B 73.8                       | 1B 4.9              | 1B 0.58                    | 1A 0.010                        | 1A 14.2                       | 1A 5                      | 1A 18                   |
| LERRYN RIVER     | LERRYN                                | R15A004 | 1B  | 1A 6.9        | 1A 7.8        | 1A 14.9             | 1A 86.0                       | 1A 2.2              | 1A 0.12                    | 1A 0.010                        | 1A 9.8                        | 1A 5                      | 1A 18                   |
| BEDELLVA STREAM  | BOCONNOC                              | R15A007 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.4             | 1A 85.8                       | 1B 3.4              | 1B 0.39                    | 1A 0.010                        | 1A 9.3                        | 1A 4                      | 1A 43                   |
| CARDINHAM WATER  | GLYNNMILL                             | R158021 | 1B  | 1A 6.7        | 1A 7.8        | 1A 15.4             | 1A 85.8                       | 1B 4.4              | 1A 0.05                    | 1A 0.010                        | 1A 21.4                       | 1A 9                      | 1A 64                   |
| WARLEGGAN RIVER  | PANTERS BRIDGE                        | R158009 | 1B  | 1A 6.3        | 1A 7.9        | 1A 15.5             | 1A 87.0                       | 1A 2.9              | 1A 0.17                    | 1A 0.010                        | 1A 11.1                       | 1A 13                     | 1A 57                   |
| ST. NEOT RIVER   | COLLIFORD LAKE                        | R158034 | 1B  | 1A 5.8        | 1A 7.4        | 1A 20.3             | 1B 74.5                       | 1A 2.3              | 1A 0.14                    | 1A 0.010                        | 1A 7.5                        | 1A 5                      | 1A 34                   |
| ST. NEOT RIVER   | COLLIFORD BR BELOW COLLIFORD MATCHERY | R158014 | 1B  | 1A 5.7        | 1A 7.0        | 1A 17.5             | 1B 77.6                       | 1A 2.3              | 1A 0.13                    | 1A 0.010                        | 1A 4.1                        | 1A 8                      | 1A 27                   |
| ST. NEOT RIVER   | TWO WATERS FOOT                       | R158008 | 1B  | 1A 6.2        | 1A 7.6        | 1A 16.8             | 1A 84.4                       | 1A 2.5              | 1A 0.12                    | 1A 0.010                        | 1A 11.9                       | 1A 20                     | 1A 46                   |
| NORTHWOOD BROOK  | WORTHAM                               | R158016 | 1B  | 1A 5.6        | 1A 7.3        | 1A 14.4             | 1A 85.0                       | 1A 2.1              | 1A 0.07                    | 1A 0.010                        | 1A 15.6                       | 1A 11                     | 1A 14                   |
| NORTHWOOD BROOK  | TRENANT BRIDGE                        | R158011 | 1B  | 1A 6.3        | 1A 7.7        | 1A 14.0             | 1A 83.9                       | 1A 2.4              | 1B 0.46                    | 1A 0.010                        | 1A 14.9                       | 1A 9                      | 1A 24                   |
| SIBLYBACK STREAM | SIBLYBACK RESERVOIR                   | R158033 | 1B  | 1A 6.3        | 1A 7.4        | 1A 19.7             | 1A 81.0                       | 1A 2.3              | 1A 0.08                    | 1A 0.010                        | 1A 3.8                        | 1A 10                     | 1A 58                   |
| SIBLYBACK STREAM | TREKEIVESTEPS BRIDGE                  | R158010 | 1B  | 1A 6.3        | 1A 8.0        | 1A 17.6             | 1B 68.8                       | 1A 2.3              | 1A 0.07                    | 1A 0.010                        | 1A 4.4                        | 1A 5                      | 1A 49                   |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: PAR AND CRINNIS**

| River              | Reach upstream of                   | URN     | RQO | pH          |              | Temperature  | Dissolved   | BOD (ATU)    | Total        | Un-Ionised   | Suspended  | Total        | Total        |
|--------------------|-------------------------------------|---------|-----|-------------|--------------|--------------|-------------|--------------|--------------|--------------|------------|--------------|--------------|
|                    |                                     |         |     | (Lower)     | (Upper)      | (°C)         | Oxygen      | (mg/l)       | Ammonia      | Ammonia      | Solids     | Copper       | 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 |
| PAR RIVER          | CRIGGAN MOOR                        | R16A007 | 2   | 1A 6.1      | 1A 7.6       | 1A 14.1      | 1B 69.0     | 1A 2.1       | 1A 0.22      | 1A 0.010     | 1A 9.0     | 1A 15        | 1A 36        |
| PAR RIVER          | A.391 BRIDGE                        | R16A001 | 2   | 1A 6.1      | 1A 7.5       | 1A 15.3      | 1B 68.7     | 1A 2.6       | 1B 0.41      | 1A 0.010     | 1A 12.1    | ND 0         | ND 0         |
| PAR RIVER          | HIGHER MENADEW                      | R16A006 | 2   | 1A 5.4      | 1A 7.5       | 1A 15.9      | 1B 68.7     | 1A 2.1       | 1A 0.25      | 1A 0.010     | 1A 13.5    | 2 53         | 1A 60        |
| PAR RIVER          | LAVREAN BRIDGE                      | R16A002 | 2   | 3 4.9       | 1A 7.5       | 1A 15.5      | 1B 79.3     | 1A 1.9       | 1A 0.19      | 1A 0.010     | 1A 19.0    | 2 64         | 1A 79        |
| PAR RIVER          | LUXULYAN BR BELOW ST AUSTELL(N) STW | R16A003 | 2   | 1A 6.2      | 1A 7.3       | 1A 16.3      | 1B 72.3     | 2 6.1        | 3 2.33       | 1A 0.010     | 3 33.8     | 2 100        | 1A 121       |
| PAR RIVER          | TREFFRY BRIDGE                      | R16A004 | 2   | 1A 6.6      | 1A 7.6       | 1A 15.8      | 1A 86.0     | 1A 2.5       | 3 1.62       | 1A 0.012     | 1A 23.7    | 2 69         | 1A 93        |
| PAR RIVER          | ST. BLAZEY BRIDGE                   | R16A005 | 2   | 1A 6.6      | 1A 7.7       | 1A 16.8      | 1A 89.0     | 1A 2.6       | 1B 0.32      | 1A 0.010     | 1A 19.2    | 2 53         | 1A 62        |
| PAR RIVER          | A3082 BRIDGE                        | R16A027 | 2   | 1A 6.8      | 1A 7.8       | 1A 18.1      | 1A 86.0     | 1A 2.1       | 1B 0.67      | 1A 0.006     | 3 33.3     | ND 0         | ND 0         |
| TYWARDREATH STREAM | DOWNSTREAM OF ELMSLEIGH POND        | R16A017 | 1B  | 1A 6.9      | 1A 8.2       | 1A 20.5      | 1B 69.6     | 3 11.1       | 1A 0.14      | 1A 0.010     | 1A 7.3     | 1A 15        | 1A 101       |
| BOKIDDICK BROOK    | LOWERTOWN FARM                      | R16A014 | 1B  | 1A 6.0      | 1A 7.3       | 1A 14.9      | 1B 65.2     | 1A 2.1       | 1A 0.23      | 1A 0.010     | 1A 8.6     | 1A 12        | 1A 28        |
| BOKIDDICK BROOK    | LUXULYAN                            | R16A009 | 1B  | 1A 6.4      | 1A 7.6       | 1A 15.2      | 1B 79.1     | 1A 2.1       | 1B 0.43      | 1A 0.010     | 1A 9.6     | 1A 10        | 1A 190       |
| TREVERBYN STREAM   | 200M PRIOR TO PAR RIVER             | R16A013 | 1B  | 1A 6.2      | 1A 7.3       | 1A 17.2      | 1B 78.4     | 1A 2.2       | 1B 0.36      | 1A 0.010     | 1A 11.8    | 1A 7         | 1A 34        |
| RESCORLA BROOK     | PRIOR TO PAR RIVER                  | R16A029 | 2   | 1A 6.4      | 1A 7.4       | 1A 15.5      | 1B 80.0     | 1A 1.6       | 1A 0.17      | 1A 0.001     | 1A 14.5    | ND 0         | ND 0         |
| ROSEVEAN STREAM    | PRIOR TO PAR RIVER                  | R16A012 | 2   | 3 4.2       | 1A 7.5       | 1A 21.1      | 1B 64.3     | 1B 4.6       | 2 1.02       | 1A 0.010     | 1A 24.9    | 2 127        | 1A 86        |
| CARBIS STREAM      | D/S WHEAL PROSPER MICA DAM          | R16A018 | 2   | 1A 6.4      | 1A 7.6       | 1A 14.9      | 1A 87.2     | 1A 2.5       | 1A 0.20      | 1A 0.010     | 3 42.5     | 1A 7         | 1A 17        |
| CARBIS STREAM      | PRIOR TO PAR RIVER                  | R16A011 | 2   | 3 4.2       | 1A 7.5       | 1A 16.4      | 1B 70.6     | 1A 2.9       | 1A 0.30      | 1A 0.010     | 3 55.1     | 2 99         | 1A 91        |
| MOLINNIS STREAM    | MOLLINNIS                           | R16A016 | 1B  | 3 3.5       | 1A 7.5       | 1A 19.0      | 1A 84.2     | 1A 2.3       | 1B 0.45      | 1A 0.010     | 3 36.7     | 2 370        | 2 500        |
| ROSEVATH STREAM    | ROSEVATH                            | R16A008 | 2   | 1A 5.9      | 1A 7.5       | 1A 14.3      | 2 58.8      | 1B 3.5       | 1A 0.23      | 1A 0.010     | 1A 11.8    | 1A 6         | 1A 27        |
| CRINNIS RIVER      | CUDORA ROAD BRIDGE (A390)           | R17A002 | 2   | 1A 6.6      | 3 9.8        | 1A 18.4      | 1A 88.7     | 2 7.3        | 2 0.77       | 1A 0.010     | 1A 18.8    | 2 190        | 1A 106       |
| CRINNIS RIVER      | CARLYON BAY ROAD BRIDGE             | R17A003 | 2   | 1A 6.1      | 1A 7.3       | 1A 14.8      | 1B 72.6     | 2 6.0        | 1A 0.30      | 1A 0.010     | 1A 16.6    | 2 81         | 1A 270       |
| CRINNIS RIVER      | CRINNIS BEACH (ADIT PORTAL)         | R17A004 | 2   | 1A 6.4      | 1A 7.5       | 1A 15.6      | 1B 80.0     | 3 10.4       | 1B 0.37      | 1A 0.010     | 3 95.0     | 2 154        | 2 873        |
| BODELVA BROOK      | BODELVA                             | R17A007 | 3   | 1A 6.4      | 1A 7.8       | 1A 15.6      | 1B 73.8     | 3 12.7       | 2 1.37       | 1A 0.010     | 3 481.3    | ND 0         | ND 0         |
| BODELVA BROOK      | A.3082 BRIDGE                       | R17A001 | 3   | 1A 6.3      | 1A 8.0       | 1A 14.8      | 1B 78.2     | 2 8.3        | 1B 0.52      | 1A 0.010     | 3 588.3    | 2 76         | 1A 56        |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: ST. AUSTELL AND SOUTH CORNWALL STREAMS**

| River              | Reach upstream of                      | URN     | RQO | pH          |              | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) |              | BOD (ATU)<br>(mg/l) |              | Total<br>Ammonia<br>(mg/l) |              | Un-Ionised<br>Ammonia<br>(mg/l) |              | Suspended<br>Solids<br>(mg/l) |              | Total<br>Copper<br>(µg/l) |              | Total<br>Zinc<br>(µg/l) |    |     |
|--------------------|----------------------------------------|---------|-----|-------------|--------------|---------------------|-------------------------------|--------------|---------------------|--------------|----------------------------|--------------|---------------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-------------------------|----|-----|
|                    |                                        |         |     | Class 5%ile | Class 95%ile |                     | Class 5%ile                   | Class 95%ile | Class 5%ile         | Class 95%ile | Class 5%ile                | Class 95%ile | Class 5%ile                     | Class 95%ile | Class Mean                    | Class 95%ile | Class 5%ile               | Class 95%ile |                         |    |     |
| ST. AUSTELL RIVER  | LANSALSON BRIDGE                       | R18A003 | 2   | 1A          | 6.0          | 1A                  | 7.4                           | 1A           | 15.6                | 1B           | 78.2                       | 1A           | 2.8                             | 1A           | 0.14                          | 1A           | 18.0                      | 2            | 40                      | 1A | 44  |
| ST. AUSTELL RIVER  | ABOVE GOVER STREAM                     | R18A004 | 2   | 1A          | 6.2          | 1A                  | 7.5                           | 1A           | 14.7                | 1B           | 68.4                       | 1A           | 2.3                             | 1A           | 0.29                          | 1A           | 54.1                      | 1A           | 13                      | 1A | 28  |
| ST. AUSTELL RIVER  | IRON BR U/S ST AUSTELL (MENAGWINS) STW | R18A006 | 2   | 1A          | 6.4          | 1A                  | 7.5                           | 1A           | 17.0                | 1A           | 83.6                       | 1A           | 3.0                             | 1A           | 0.19                          | 1A           | 49.5                      | 2            | 48                      | 1A | 199 |
| ST. AUSTELL RIVER  | MOLINGEY GAUGING STATION               | R18A007 | 2   | 1A          | 6.6          | 1A                  | 7.4                           | 1A           | 16.9                | 1B           | 75.3                       | 2            | 6.4                             | 1A           | 0.010                         | 3            | 35.4                      | 1A           | 18                      | 1A | 62  |
| ST. AUSTELL RIVER  | PENTEWAN BRIDGE                        | R18A008 | 2   | 1A          | 6.7          | 1A                  | 7.6                           | 1A           | 17.0                | 1B           | 78.8                       | 1B           | 4.2                             | 1B           | 0.43                          | 1A           | 31.1                      | 1A           | 18                      | 1A | 108 |
| POLGOOTH STREAM    | ABOVE POLGOOTH S T W                   | R18A014 | 2   | 1A          | 6.5          | 1A                  | 7.6                           | 1A           | 15.4                | 1B           | 78.8                       | 2            | 5.7                             | 1B           | 0.67                          | 1A           | 30.6                      | 1A           | 16                      | 1A | 180 |
| POLGOOTH STREAM    | PRIOR TO ST. AUSTELL RIVER             | R18A010 | 2   | 1A          | 6.7          | 1A                  | 7.7                           | 1A           | 16.0                | 1B           | 79.8                       | 1B           | 3.1                             | 1A           | 0.010                         | 1A           | 23.0                      | 1A           | 16                      | 1A | 135 |
| HEMBAL BROOK       | U/S BRIDGE                             | R18A016 | 1B  | 3           | 4.5          | 1A                  | 8.2                           | 1A           | 17.0                | 1A           | 86.3                       | 2            | 5.7                             | 1B           | 0.40                          | 3            | 446.2                     | 2            | 72                      | 1A | 200 |
| GOVER STREAM       | PRIOR TO ST. AUSTELL RIVER             | R18A005 | 2   | 1A          | 6.2          | 1A                  | 7.6                           | 1A           | 14.3                | 1B           | 74.5                       | 1A           | 2.8                             | 1A           | 0.16                          | 1A           | 43.2                      | 2            | 35                      | 1A | 134 |
| MEVAGISSEY STREAM  | CAR PARK MEVAGISSEY                    | R18A009 | 1B  | 1A          | 7.0          | 1A                  | 7.7                           | 1A           | 16.0                | 1B           | 77.0                       | 1B           | 3.4                             | 1B           | 0.51                          | 1A           | 42.2                      | 1A           | 20                      | 1A | 65  |
| CAERMAYS STREAM    | POLMASSICK BRIDGE                      | R18A001 | 1A  | 1A          | 6.9          | 1A                  | 7.8                           | 1A           | 15.8                | 1B           | 75.2                       | 1A           | 2.6                             | 1B           | 0.45                          | 1A           | 20.2                      | 1A           | 9                       | 1A | 88  |
| CAERMAYS STREAM    | TUBBS MILL                             | R18A015 | 1A  | 1A          | 7.2          | 1A                  | 7.9                           | 1A           | 15.9                | 1A           | 84.5                       | 1B           | 3.3                             | 1B           | 0.33                          | 1A           | 24.8                      | 1A           | 6                       | 1A | 34  |
| CAERMAYS STREAM    | CAERMAYS BEACH BRIDGE                  | R18A002 | 1A  | 1A          | 7.3          | 1A                  | 7.9                           | 1A           | 16.1                | 1B           | 68.0                       | 1A           | 2.5                             | 1A           | 0.14                          | 1A           | 18.8                      | 1A           | 12                      | 1A | 72  |
| PORTHOLLAND STREAM | PORTHOLLAND                            | R18A017 | 1B  | 1A          | 7.1          | 1A                  | 8.4                           | 1A           | 16.7                | 1A           | 83.2                       | 1B           | 4.0                             | 1B           | 0.50                          | 1A           | 28.7                      | 1A           | 9                       | 1A | 80  |
| CARNE STREAM       | MELINSEY MILL                          | R18A011 | 1B  | 1A          | 7.4          | 1A                  | 8.0                           | 1A           | 15.6                | 1B           | 77.2                       | 1B           | 4.7                             | 1B           | 0.67                          | 1A           | 21.0                      | 1A           | 5                       | 1A | 15  |
| CARNE STREAM       | PENDOWER BEACH                         | R18A012 | 1B  | 1A          | 7.3          | 1A                  | 8.0                           | 1A           | 15.2                | 1B           | 75.8                       | 2            | 6.5                             | 1B           | 0.55                          | 1A           | 38.3                      | 1A           | 4                       | 1A | 9   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: FAL**

| River              | Reach upstream of                     | URN     | RQO | pH          |              | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)    |              | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|---------------------------------------|---------|-----|-------------|--------------|---------------------|-------------------------------|--------------|--------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                       |         |     | (Lower)     | (Upper)      |                     |                               | (mg/l)       | (mg/l)       |                            |                                 |                               |                           |                         |
|                    |                                       |         |     | Class 5Kile | Class 95Kile | Class 95Kile        | Class 5Kile                   | Class 95Kile | Class 95Kile | Class 95Kile               | Class 95Kile                    | Class Mean                    | Class 95Kile              | Class 95Kile            |
| RIVER FAL          | TREGOSS BRIDGE                        | R19C001 | 1B  | 1A 6.2      | 1A 7.6       | 1A 14.4             | 1A 88.8                       | 1A 2.0       | 1A 0.11      | 1A 0.010                   | 3 35.4                          | 1A 11                         | 1A 29                     |                         |
| RIVER FAL          | GAVERIGAN BRIDGE                      | R19C002 | 1B  | 1A 6.4      | 1A 7.4       | 1A 15.6             | 1A 82.8                       | 1A 2.1       | 1A 0.12      | 1A 0.010                   | 1A 9.8                          | 1A 5                          | 1A 18                     |                         |
| RIVER FAL          | RETEW BRIDGE                          | R19C003 | 1B  | 1A 6.0      | 1A 7.5       | 1A 15.5             | 1A 84.8                       | 1A 2.4       | 1A 0.29      | 1A 0.010                   | 3 28.0                          | 1A 15                         | 1A 42                     |                         |
| RIVER FAL          | KERNICK BRIDGE                        | R19C011 | 2   | 1A 5.9      | 1A 7.6       | 1A 16.6             | 1A 87.3                       | 1A 2.5       | 1A 0.22      | 1A 0.010                   | 3 86.3                          | 1A 12                         | 1A 43                     |                         |
| RIVER FAL          | TERRAS BRIDGE                         | R19C004 | 2   | 1A 5.6      | 1A 7.6       | 1A 16.5             | 1A 87.0                       | 1A 2.6       | 1A 0.31      | 1A 0.010                   | 3 72.3                          | 2 477                         | 3 5050                    |                         |
| RIVER FAL          | GRAMPOUND BRIDGE                      | R19C005 | 2   | 1A 6.4      | 1A 7.3       | 1A 15.5             | 1A 80.8                       | 1B 3.1       | 3 5.40       | 1A 0.012                   | 3 37.1                          | 1A 15                         | 1A 106                    |                         |
| RIVER FAL          | TREGONEY GAUGING STATION              | R19C006 | 1B  | 1A 6.6      | 1A 7.6       | 1A 16.0             | 1A 86.9                       | 1A 2.2       | 1B 0.40      | 1A 0.010                   | 3 52.1                          | 1A 16                         | 1A 68                     |                         |
| PENKEVIL STREAM    | PARSON'S HILL WOOD                    | R19B004 | 1B  | 1A 6.9      | 1A 8.0       | 1A 15.4             | 1A 85.0                       | 1B 3.4       | 1B 0.41      | 1A 0.010                   | 1A 12.1                         | 1A 5                          | 1A 27                     |                         |
| TREWITHEEN STREAM  | MELLINGDOSE                           | R19C016 | 1B  | 1A 6.8      | 1A 7.8       | 1A 15.7             | 1A 83.6                       | 1B 4.3       | 2 0.88       | 1A 0.010                   | 1A 14.7                         | 1A 6                          | 1A 27                     |                         |
| GWINDRA STREAM     | ABOVE DRINNICK POWER STATION CP 12/7  | R19C014 | 2   | 1A 5.8      | 1A 6.8       | 1A 15.4             | 1B 69.5                       | 1A 2.3       | 1A 0.16      | 1A 0.010                   | 1A 19.4                         | ND 0                          | ND 0                      |                         |
| GWINDRA STREAM     | GOONABARN                             | R19C017 | 2   | 1A 5.4      | 1A 6.7       | 1A 15.4             | 1B 74.6                       | 2 5.6        | 1A 1.04      | 1A 0.010                   | 3 52.0                          | 1A 38                         | 1A 157                    |                         |
| GWINDRA STREAM     | GWINDRA BRIDGE                        | R19C008 | 2   | 1A 6.2      | 1A 7.2       | 1A 15.2             | 1B 74.6                       | 1A 2.9       | 3 5.48       | 1A 0.014                   | 3 49.5                          | 1A 16                         | 1A 104                    |                         |
| GWINDRA STREAM     | TREWAY BR O/S ST STEPHENS COOMBE STW  | R19C009 | 2   | 1A 6.1      | 1A 7.4       | 1A 15.2             | 1A 81.0                       | 1B 4.3       | 3 4.57       | 1A 0.017                   | 3 34.1                          | 1A 15                         | 1A 99                     |                         |
| COOMBE STREAM      | COOMBE                                | R19C021 | 1B  | 3 4.9       | 1A 7.1       | 1A 14.7             | 1A 85.2                       | 1A 1.9       | 1B 0.39      | 1A 0.010                   | 3 26.1                          | 2 41                          | 1A 273                    |                         |
| BODELLA BROOK      | CARSELLA                              | R19C018 | 1B  | 3 3.5       | 1A 6.7       | 1A 18.0             | 2 49.1                        | 3 11.9       | 3 3.96       | 1A 0.010                   | 3 73.7                          | 1A 29                         | 1A 78                     |                         |
| PERCUIL RIVER      | TRETHEM MILL                          | R19A013 | 1A  | 1A 7.2      | 1A 8.5       | 1A 16.4             | 2 43.6                        | 1B 4.6       | 1B 0.38      | 1A 0.010                   | 3 27.4                          | 1A 3                          | 1A 6                      |                         |
| TRESILLIAN RIVER   | TRENDEAL                              | R19D033 | 1B  | 1A 7.1      | 1A 7.9       | 1A 15.5             | 1A 84.9                       | 1A 2.6       | 1A 0.23      | 1A 0.010                   | 1A 5.7                          | 1A 4                          | 1A 39                     |                         |
| TRESILLIAN RIVER   | TRESLOWN BRIDGE                       | R19D002 | 1B  | 1A 7.1      | 1A 7.8       | 1A 15.7             | 1A 81.8                       | 1A 2.8       | 1B 0.35      | 1A 0.010                   | 1A 9.4                          | 1A 4                          | 1A 38                     |                         |
| TRESILLIAN RIVER   | TRESILLIAN P.S. U/S LADOCK VALLEY STW | R19D032 | 1B  | 1A 7.0      | 1A 7.8       | 1A 15.9             | 1B 75.6                       | 1A 2.9       | 2 0.76       | 1A 0.010                   | 1A 12.3                         | 1A 9                          | 1A 72                     |                         |
| TRESILLIAN RIVER   | BELOW LADDOCK STW                     | R19D034 | 1B  | 1A 7.1      | 1A 7.8       | 1A 16.4             | 1B 71.8                       | 1B 4.2       | 3 1.71       | 1A 0.011                   | 1A 16.0                         | ND 0                          | ND 0                      |                         |
| TREVELLA STREAM    | TREGURRA BRIDGE                       | R19D014 | 1A  | 1A 7.1      | 1A 7.9       | 1A 16.5             | 1A 84.8                       | 1A 2.1       | 1A 0.15      | 1A 0.010                   | 1A 16.0                         | 1A 3                          | 1A 12                     |                         |
| KESTLE STREAM      | CANDOR FORD                           | R19D008 | 1B  | 1A 7.0      | 1A 7.8       | 1A 15.8             | 1A 83.6                       | 1A 2.6       | 1A 0.28      | 1A 0.010                   | 1A 8.6                          | 1A 5                          | 1A 18                     |                         |
| BRIGHTON STREAM    | NEW MILLS                             | R19D005 | 1B  | 1A 6.9      | 1A 7.8       | 1A 16.1             | 1B 78.0                       | 1A 2.2       | 1B 0.40      | 1A 0.010                   | 1A 8.5                          | 1A 7                          | 1A 93                     |                         |
| RIVER ALLEN (FAL)  | IDLESS BRIDGE                         | R19D018 | 1B  | 1A 7.3      | 1A 7.8       | 1A 16.7             | 1A 83.0                       | 1A 2.4       | 1B 0.34      | 1A 0.010                   | 1A 7.6                          | 1A 7                          | 1A 32                     |                         |
| RIVER ALLEN (FAL)  | MORESK LAUNDRY BRIDGE                 | R19D004 | 1B  | 1A 7.2      | 1A 7.9       | 1A 17.1             | 1A 81.2                       | 1A 2.6       | 1A 0.24      | 1A 0.010                   | 1A 10.4                         | 1A 8                          | 1A 35                     |                         |
| ZELAH BROOK        | GWARNICK MILL                         | R19D030 | 1B  | 1A 7.0      | 1A 7.9       | 1A 18.2             | 1B 79.7                       | 1B 3.1       | 1B 0.32      | 1A 0.010                   | 1A 10.6                         | ND 0                          | ND 0                      |                         |
| RIVER KENWYN       | NEW MILL                              | R19D016 | 1B  | 1A 7.0      | 1A 7.7       | 1A 16.5             | 1A 84.0                       | 1B 4.1       | 1A 0.11      | 1A 0.010                   | 1A 21.4                         | 1A 28                         | 1A 143                    |                         |
| RIVER KENWYN       | BOSVIGO BRIDGE                        | R19D007 | 1B  | 1A 7.1      | 1A 7.8       | 1A 17.8             | 1A 90.3                       | 1B 3.1       | 1B 0.44      | 1A 0.010                   | 1A 10.5                         | 1A 8                          | 1A 73                     |                         |
| BOSCOLLA STREAM    | BOSCOLLA FORD                         | R19D023 | 1B  | 1A 7.3      | 1A 7.7       | 1A 15.4             | 1A 87.0                       | 1A 1.9       | 1B 0.52      | 1A 0.002                   | 1A 8.2                          | ND 0                          | ND 0                      |                         |
| CALENICK STREAM    | HUGUS                                 | R19D025 | 1B  | 1A 6.8      | 1A 7.7       | 1A 16.2             | 1B 74.9                       | 1A 1.8       | 1A 0.05      | 1A 0.010                   | 1A 8.2                          | 1A 30                         | 2 830                     |                         |
| CALENICK STREAM    | CALENICK BRIDGE                       | R19D006 | 1B  | 1A 6.6      | 1A 7.7       | 1A 15.9             | 1B 75.3                       | 1A 2.7       | 1A 0.15      | 1A 0.010                   | 1A 5.7                          | 1A 34                         | 2 328                     |                         |
| CARNON RIVER       | CHACEWATER VIADUCT                    | R19E016 | 3   | 1A 6.1      | 1A 7.3       | 1A 17.3             | 2 45.8                        | 1B 3.3       | 1B 0.43      | 1A 0.010                   | 1A 4.8                          | 2 97                          | 2 914                     |                         |
| CARNON RIVER       | BELOW CHACEWATER S T W                | R19E008 | 3   | 1A 6.6      | 1A 7.4       | 1A 17.4             | 1B 67.6                       | 1B 4.5       | 2 0.78       | 1A 0.010                   | 3 31.1                          | 2 439                         | 3 1558                    |                         |
| CARNON RIVER       | TWELVEHEADS                           | R19E001 | 3   | 1A 5.2      | 1A 7.4       | 1A 16.8             | 1B 77.2                       | 1B 4.4       | 1A 0.19      | 1A 0.010                   | 1A 6.4                          | 2 583                         | 3 3255                    |                         |
| CARNON RIVER       | BELOW COUNTY AND WELLINGTON ADITS     | R19E015 | 3   | 3 3.5       | 1A 5.3       | 1A 16.3             | 2 57.0                        | 1B 4.1       | 1A 0.18      | 1A 0.010                   | 1A 7.9                          | 2 2545                        | 3 28300                   |                         |
| CARNON RIVER       | BISSEO BRIDGE                         | R19E003 | 3   | 3 3.3       | 1A 6.3       | 1A 20.3             | 1B 70.8                       | 2 8.6        | 2 1.13       | 1A 0.010                   | 1A 18.3                         | 2 3495                        | 2 194100                  |                         |
| CARNON RIVER       | DEVORAN BRIDGE BELOW CARNON DOWNS STW | R19E004 | 3   | 3 3.4       | 1A 6.4       | 1A 18.0             | 1B 70.0                       | 2 8.4        | 2 1.10       | 1A 0.010                   | 1A 16.8                         | 2 2360                        | 3 91675                   |                         |
| PERRANWELL STREAM  | PERRANWELL                            | R19E020 | 1A  | 1A 6.2      | 1A 7.6       | 1A 15.3             | 1B 75.6                       | 1A 2.1       | 1A 0.17      | 1A 0.010                   | 1A 10.5                         | 2 343                         | 1A 57                     |                         |
| BALDMU STREAM      | BISSEO BR. BELOW CLEMONS TAILINGS DAM | R19E021 | 1B  | 3 3.5       | 1A 7.6       | 2 21.8              | 1B 67.1                       | 3 16.2       | 3 2.37       | 3 0.283                    | 3 66.7                          | 2 2605                        | 2 177600                  |                         |
| HICK'S MILL STREAM | HICK'S MILL                           | R19E019 | 1B  | 1A 6.5      | 1A 7.3       | 1A 16.2             | 1A 85.1                       | 1A 2.8       | 2 0.82       | 1A 0.010                   | 1A 6.2                          | 2 416                         | 3 3250                    |                         |
| ST. DAY STREAM     | PRIOR TO CARNON RIVER                 | R19E022 | 1B  | 3 3.3       | 1A 6.5       | 1A 19.2             | 1B 70.4                       | 1A 1.9       | 1B 0.61      | 1A 0.010                   | 1A 3.5                          | 2 1856                        | 3 8440                    |                         |
| RIVER KENALL       | TREGOLLS BRIDGE                       | R19E005 | 1A  | 1A 6.4      | 1A 7.7       | 1A 17.9             | 1A 83.8                       | 2 5.3        | 1B 0.57      | 1A 0.010                   | 1A 6.9                          | 1A 13                         | 1A 27                     |                         |
| RIVER KENALL       | PONSANOOTH G.S. ABOVE PONSANOOTH STW  | R19E006 | 1A  | 1A 6.6      | 1A 7.7       | 1A 15.7             | 1A 86.0                       | 1B 3.9       | 1A 0.19      | 1A 0.010                   | 1A 12.9                         | 1A 8                          | 1A 33                     |                         |
| RIVER KENALL       | STICKEN BRIDGE                        | R19E007 | 1B  | 1A 6.6      | 1A 7.5       | 1A 15.7             | 2 49.3                        | 1B 4.3       | 3 1.60       | 1A 0.010                   | 1A 12.2                         | 1A 18                         | 1A 49                     |                         |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: FAL**

| River            | Reach upstream of | URN     | RQO | pH          |              | pH           |             | Temperature  |              | Dissolved Oxygen |              | BOD (ATU)    |              | Total Ammonia |              | Un-Ionised Ammonia |              | Suspended Solids |              | Total Copper |              | Total Zinc   |        |
|------------------|-------------------|---------|-----|-------------|--------------|--------------|-------------|--------------|--------------|------------------|--------------|--------------|--------------|---------------|--------------|--------------------|--------------|------------------|--------------|--------------|--------------|--------------|--------|
|                  |                   |         |     | (Lower)     | (Upper)      | (°C)         | (%sat)      | (mg/l)       | (mg/l)       | (mg/l)           | (mg/l)       | (mg/l)       | (mg/l)       | (mg/l)        | (mg/l)       | (mg/l)             | (mg/l)       | (mg/l)           | (mg/l)       | (mg/l)       | (µg/l)       | (µg/l)       | (µg/l) |
|                  |                   |         |     | Class 5%ile | Class 95%ile | Class 95%ile | Class 5%ile | Class 95%ile | Class 95%ile | Class 5%ile      | Class 95%ile | Class 95%ile | Class 95%ile | Class 95%ile  | Class 95%ile | Class 95%ile       | Class 95%ile | Class 95%ile     | Class 95%ile | Class 95%ile | Class 95%ile | Class 95%ile |        |
| STITHIANS STREAM | SEAUREAUGH MOOR   | R19E023 | 1A  | 1A          | 6.3          | 1A           | 7.6         | 1A           | 16.7         | 1A               | 87.2         | 1A           | 2.3          | 1A            | 0.14         | 1A                 | 0.010        | 1A               | 7.8          | 1A           | 8            | 1A           | 43     |
| MYLOR STREAM     | ENYS              | R19A035 | 1A  | 1A          | 6.5          | 1A           | 7.5         | 1A           | 14.9         | 1B               | 76.3         | 1A           | 2.4          | 1A            | 0.11         | 1A                 | 0.010        | 1A               | 5.4          | 1A           | 6            | 1A           | 27     |
| MYLOR STREAM     | MYLOR BRIDGE      | R19A014 | 1A  | 1A          | 7.0          | 1A           | 7.7         | 1A           | 16.6         | 1B               | 65.5         | 1B           | 4.1          | 3             | 4.30         | 1A                 | 0.010        | 1A               | 10.2         | 1A           | 7            | 1A           | 51     |
| PENRYN RIVER     | TREMOUGH          | R19A037 | 1B  | 1A          | 6.9          | 1A           | 7.8         | 1A           | 16.2         | 1A               | 86.2         | 1B           | 4.4          | 1B            | 0.40         | 1A                 | 0.010        | 3                | 25.2         | 1A           | 12           | 1A           | 62     |
| ARGAL STREAM     | COLLEGE RESERVOIR | R19A033 | 1A  | 1A          | 6.9          | 1A           | 8.8         | 2            | 22.9         | 1A               | 81.3         | 2            | 7.7          | 1A            | 0.12         | 1A                 | 0.010        | 1A               | 12.4         | 1A           | 4            | 1A           | 23     |
| SWANPOOL STREAM  | ABOVE SWANPOOL    | R19A009 | 1B  | 1A          | 7.1          | 1A           | 7.7         | 1A           | 18.6         | 1B               | 78.5         | 1B           | 4.1          | 1A            | 0.11         | 1A                 | 0.010        | 1A               | 11.5         | 1A           | 7            | 1A           | 83     |
| MAENPORTH STREAM | TREGEDNA BRIDGE   | R19A008 | 1B  | 1A          | 6.9          | 1A           | 7.6         | 1A           | 18.3         | 2                | 58.9         | 1A           | 2.8          | 1A            | 0.20         | 1A                 | 0.010        | 1A               | 8.9          | 1A           | 6            | 1A           | 33     |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: HELFORD RIVER AND LIZARD STREAMS**

| River              | Reach upstream of                     | URN     | RQO | pH (Lower) |       | pH (Upper) |        | Temperature (°C) |        | Dissolved Oxygen (%sat) |       | BOD (ATU) (mg/l) |        | Total Ammonia (mg/l) |        | Un-ionised Ammonia (mg/l) |        | Suspended Solids (mg/l) |      | Total Copper (µg/l) |        | Total Zinc (µg/l) |        |
|--------------------|---------------------------------------|---------|-----|------------|-------|------------|--------|------------------|--------|-------------------------|-------|------------------|--------|----------------------|--------|---------------------------|--------|-------------------------|------|---------------------|--------|-------------------|--------|
|                    |                                       |         |     | 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 |
| HELFORD RIVER      | UPSTREAM OF GWEK MILL                 | R19A005 | 1B  | 1A         | 6.8   | 1A         | 7.7    | 1A               | 16.1   | 1A                      | 85.6  | 2                | 5.6    | 1B                   | 0.56   | 1A                        | 0.010  | 1A                      | 22.0 | 2                   | 45     | 1A                | 86     |
| PORTH NAVAS STREAM | ROSKELLAN BRIDGE                      | R19A001 | 1B  | 1A         | 6.9   | 1A         | 7.7    | 1A               | 16.8   | 1A                      | 89.4  | 1B               | 3.5    | 1A                   | 0.31   | 1A                        | 0.010  | 1A                      | 8.7  | 1A                  | 11     | 1A                | 21     |
| LESTRAINES RIVER   | POLWHEVERAL BR. BELOW CONSTANTINE STW | R19A003 | 1B  | 1A         | 6.8   | 1A         | 7.6    | 1A               | 16.1   | 1A                      | 83.4  | 1A               | 2.5    | 2                    | 0.91   | 1A                        | 0.010  | 1A                      | 7.0  | 2                   | 49     | 1A                | 16     |
| CARVEDRAS STREAM   | PRIOR TO LESTRAINES RIVER             | R19A027 | 1B  | 1A         | 6.9   | 1A         | 7.8    | 1A               | 15.3   | 1A                      | 90.0  | 1A               | 2.0    | 1B                   | 0.38   | 1A                        | 0.010  | 1A                      | 5.6  | 2                   | 63     | 1A                | 17     |
| GWEK RIVER         | DANNETO COTTAGE                       | R19A042 | 1B  | 1A         | 6.5   | 1A         | 7.7    | 1A               | 14.4   | 1A                      | 85.8  | 1B               | 3.2    | 1A                   | 0.23   | 1A                        | 0.010  | 1A                      | 16.8 | 1A                  | 27     | 1A                | 102    |
| ROSEVEAR RIVER     | PONSON TUEL FORD                      | R19A043 | 1B  | 1A         | 7.3   | 1A         | 8.1    | 1A               | 17.2   | 1A                      | 86.3  | 1B               | 4.9    | 1B                   | 0.52   | 1A                        | 0.010  | 1A                      | 17.6 | 1A                  | 12     | 1A                | 47     |
| TRELOWARREN STREAM | TRELOWARREN MILL                      | R19A030 | 1B  | 1A         | 7.3   | 1A         | 8.5    | 1A               | 16.0   | 1A                      | 88.0  | 1B               | 3.4    | 1A                   | 0.24   | 1A                        | 0.010  | 1A                      | 18.0 | 1A                  | 7      | 1A                | 19     |
| MANACCAN RIVER     | MANACCAN ROAD BRIDGE                  | R19A021 | 1B  | 1A         | 7.4   | 1A         | 8.2    | 1A               | 16.6   | 1A                      | 82.0  | 2                | 7.8    | 2                    | 0.78   | 1A                        | 0.010  | 1A                      | 20.9 | 1A                  | 8      | 1A                | 28     |
| PORTHALLOW STREAM  | PORTHALLOW                            | R19A032 | 1B  | 1A         | 7.5   | 1A         | 8.2    | 1A               | 17.4   | 1A                      | 87.6  | 3                | 11.9   | 1A                   | 0.25   | 1A                        | 0.010  | 1A                      | 17.7 | 1A                  | 8      | 1A                | 25     |
| ST KEVERNE STREAM  | PORTHOUSTOCK                          | R19A017 | 1B  | 1A         | 7.7   | 1A         | 8.2    | 1A               | 18.6   | 1B                      | 77.8  | 1B               | 3.7    | 1B                   | 0.67   | 1A                        | 0.014  | 1A                      | 12.6 | 1A                  | 13     | 1A                | 28     |
| POLTESCO RIVER     | POLTESCO BRIDGE                       | R19A016 | 1B  | 1A         | 7.7   | 1A         | 8.5    | 1A               | 15.7   | 1A                      | 84.8  | 1B               | 3.5    | 1B                   | 0.55   | 1A                        | 0.018  | 1A                      | 9.6  | 1A                  | 19     | 1A                | 44     |
| MULLION STREAM     | UPSTREAM OF HARBOUR PORTH MELLIN      | R19A012 | 1B  | 1A         | 7.8   | 1A         | 8.5    | 1A               | 15.3   | 1B                      | 71.8  | 2                | 5.7    | 2                    | 1.48   | 3                         | 0.043  | 1A                      | 10.4 | 1A                  | 28     | 1A                | 37     |
| CURY RIVER         | UPSTREAM OF POLDHU BEACH              | R19A011 | 1B  | 1A         | 7.3   | 1A         | 7.9    | 1A               | 17.6   | 3                       | 10.8  | 1B               | 4.7    | 2                    | 1.30   | 1A                        | 0.014  | 1A                      | 4.5  | 1A                  | 8      | 1A                | 33     |
| GUNWALLOE STREAM   | WINNIANTON FARM                       | R19A040 | 1B  | 1A         | 7.0   | 1A         | 7.7    | 1A               | 17.1   | 3                       | 15.0  | 1B               | 4.0    | 1A                   | 0.28   | 1A                        | 0.010  | 1A                      | 7.2  | 1A                  | 8      | 1A                | 68     |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: COBER**

| River          | Reach upstream of                   | URN     | RQO | pH          |              | Temperature  | Dissolved   | BOD (ATU)    | Total         | Un-Ionised   | Suspended  | Total        | Total        |
|----------------|-------------------------------------|---------|-----|-------------|--------------|--------------|-------------|--------------|---------------|--------------|------------|--------------|--------------|
|                |                                     |         |     | (Lower)     | (Upper)      | (°C)         | Oxygen      | (mg/l)       | Ammonia       | Ammonia      | Solids     | Copper       | 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 |
| RIVER COBER    | TRENEAR BRIDGE                      | R20A001 | 1B  | 1A 6.2      | 1A 7.5       | 1A 15.3      | 1A 83.8     | 1A 2.4       | 1B 0.47       | 1A 0.010     | 1A 6.2     | 2 23         | 2 200        |
| RIVER COBER    | COVERACK BRIDGE                     | R20A008 | 1A  | 1A 6.4      | 1A 7.6       | 1A 15.3      | 1A 84.6     | 1A 2.2       | 1A 0.18       | 1A 0.010     | 1A 5.5     | 1A 18        | 1A 29        |
| RIVER COBER    | LOWERTOWN BRIDGE                    | R20A003 | 1A  | 1A 6.6      | 1A 7.7       | 1A 15.5      | 1A 89.0     | 1A 2.3       | 1A 0.15       | 1A 0.010     | 1A 5.5     | 1A 21        | 1A 41        |
| RIVER COBER    | HELSTON PARK G.S. ABOVE HELSTON STW | R20A009 | 1B  | 1A 6.8      | 1A 7.6       | 1A 15.8      | 1A 83.8     | 1B (7.3) 3.3 | 1A 0.16       | 1A 0.010     | 1A 8.2     | 1A 22        | 1A 61        |
| RIVER COBER    | BELOW HELSTON STW                   | R20A004 | 1B  | 1A 6.7      | 1A 7.6       | 1A 16.1      | 1B 79.2     | 1B (7.3) 3.5 | 1B (1.3) 0.40 | 1A 0.010     | 1A 9.1     | 1A 22        | 1A 57        |
| RIVER COBER    | LOE POOL BAR OUTFALL                | R20A005 | 1B  | 1A 6.7      | 3 10.2       | 1A 21.2      | 1B 69.2     | 4 144.7      | 1B 0.54       | 3 0.025      | 3 135.1    | 1A 22        | 1A 54        |
| BODILLY STREAM | BODILLY MILL                        | R20A002 | 1B  | 1A 6.3      | 1A 7.4       | 1A 14.8      | 1A 83.6     | 1A 2.1       | 1B 0.43       | 1A 0.010     | 1A 4.3     | 1A 17        | 1A 50        |
| MEDLYN STREAM  | CHY BRIDGE                          | R20A006 | 1B  | 1A 6.0      | 1A 7.4       | 1A 17.0      | 1A 81.8     | 1A 2.2       | 1A 0.14       | 1A 0.010     | 1A 7.4     | 1A 21        | 1A 55        |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: LANDS END STREAMS (MOUNT'S BAY)**

| River              | Reach upstream of              | URN     | RQO | pH (Lower) |       | pH (Upper) |        | Temperature (°C) |        | Dissolved Oxygen (%sat) |       | BOD (ATU) (mg/l) |        | Total Ammonia (mg/l) |        | Un-ionised Ammonia (mg/l) |        | Suspended Solids (mg/l) |      | Total Copper (µg/l) |        | Total Zinc (µg/l) |        |
|--------------------|--------------------------------|---------|-----|------------|-------|------------|--------|------------------|--------|-------------------------|-------|------------------|--------|----------------------|--------|---------------------------|--------|-------------------------|------|---------------------|--------|-------------------|--------|
|                    |                                |         |     | 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 |
| PORTHLEVEN STREAM  | PENBRO                         | R21A013 | 1B  | 1A         | 6.4   | 1A         | 7.3    | 1A               | 15.7   | 1A                      | 84.0  | 1A               | 1.9    | 1A                   | 0.16   | 1A                        | 0.010  | 1A                      | 3.3  | 2                   | 123    | 3                 | 1712   |
| PORTHLEVEN STREAM  | UPSTREAM OF HARBOUR PORTHLEVEN | R21A010 | 1B  | 1A         | 6.3   | 1A         | 7.5    | 1A               | 15.8   | 1B                      | 78.8  | 1A               | 2.7    | 1A                   | 0.16   | 1A                        | 0.010  | 1A                      | 7.3  | 2                   | 55     | 2                 | 973    |
| MARAZION RIVER     | NANCLDRA ABOVE NANCLDRA STW    | R21A028 | 1A  | 1A         | 6.4   | 1A         | 7.6    | 1A               | 16.3   | 1B                      | 80.0  | 1A               | 2.3    | 1A                   | 0.07   | 1A                        | 0.010  | 1A                      | 4.0  | 1A                  | 11     | 1A                | 22     |
| MARAZION RIVER     | CUCURRIAN MILL                 | R21A001 | 1A  | 1A         | 6.1   | 1A         | 7.5    | 1A               | 15.5   | 1A                      | 86.5  | 1A               | 1.9    | 1A                   | 0.13   | 1A                        | 0.010  | 1A                      | 3.8  | 1A                  | 10     | 1A                | 17     |
| MARAZION RIVER     | TRUTHWELL MILL BRIDGE          | R21A002 | 1A  | 1A         | 6.8   | 1A         | 7.8    | 1A               | 15.1   | 2                       | 56.8  | 1A               | 2.2    | 1A                   | 0.07   | 1A                        | 0.010  | 1A                      | 6.2  | 1A                  | 25     | 3                 | 1054   |
| TREGILLIOWE STREAM | GWALLON                        | R21A026 | 1B  | 1A         | 6.8   | 1A         | 7.6    | 1A               | 15.0   | 2                       | 54.0  | 1A               | 2.5    | 1A                   | 0.22   | 1A                        | 0.010  | 1A                      | 5.1  | 1A                  | 65     | 2                 | 1353   |
| TREVAYLOR STREAM   | TRYTHOGGA                      | R21A022 | 1B  | 1A         | 6.5   | 1A         | 7.8    | 1A               | 16.0   | 1B                      | 77.3  | 1A               | 2.9    | 1A                   | 0.08   | 1A                        | 0.010  | 1A                      | 5.1  | 1A                  | 5      | 1A                | 13     |
| TREVAYLOR STREAM   | A.30 BRIDGE AT CHYANDOUR       | R21A008 | 1B  | 1A         | 6.7   | 1A         | 7.7    | 1A               | 16.0   | 1B                      | 75.5  | 1A               | 1.7    | 1A                   | 0.06   | 1A                        | 0.010  | 1A                      | 6.5  | 1A                  | 8      | 1A                | 28     |
| ROSEMORRAN STREAM  | KENEGIE COTTAGE                | R21A021 | 1A  | 1A         | 6.8   | 1A         | 7.8    | 1A               | 16.0   | 1A                      | 83.3  | 1A               | 1.8    | 1A                   | 0.11   | 1A                        | 0.010  | 1A                      | 7.2  | 1A                  | 4      | 1A                | 10     |
| CHYANDOUR BROOK    | A.30 BRIDGE AT CHYANDOUR       | R21A006 | 1A  | 1A         | 6.8   | 1A         | 7.8    | 1A               | 16.2   | 1A                      | 81.8  | 1A               | 2.2    | 1A                   | 0.17   | 1A                        | 0.010  | 1A                      | 6.8  | 1A                  | 11     | 1A                | 25     |
| LARIGGAN RIVER     | WHERRY TOWN BRIDGE             | R21A007 | 1A  | 1A         | 6.7   | 1A         | 7.8    | 1A               | 18.1   | 1B                      | 75.8  | 2                | 5.6    | 2                    | 0.73   | 1A                        | 0.010  | 1A                      | 9.3  | 1A                  | 30     | 1A                | 60     |
| NEWLYN RIVER       | SKIMMEL BRIDGE                 | R21A003 | 1B  | 1A         | 6.3   | 1A         | 7.5    | 1A               | 16.0   | 1A                      | 81.8  | 1B               | 3.9    | 1B                   | 0.34   | 1A                        | 0.010  | 1A                      | 12.0 | 1A                  | 7      | 1A                | 15     |
| NEWLYN RIVER       | DRIFT RESERVOIR                | R21A018 | 1A  | 1A         | 6.6   | 1A         | 7.7    | 1A               | 21.5   | 1A                      | 85.9  | 1A               | 2.4    | 2                    | 0.71   | 1A                        | 0.010  | 1A                      | 5.2  | 2                   | 23     | 1A                | 57     |
| NEWLYN RIVER       | BURYAS BRIDGE                  | R21A004 | 1A  | 1A         | 6.6   | 1A         | 7.7    | 1A               | 17.3   | 1A                      | 80.8  | 1B               | 3.1    | 1A                   | 0.09   | 1A                        | 0.010  | 1A                      | 4.1  | 1A                  | 5      | 1A                | 21     |
| NEWLYN RIVER       | STABLE HOBBA                   | R21A027 | 1B  | 1A         | 6.7   | 1A         | 7.7    | 1A               | 16.5   | 1B                      | 77.8  | 1B               | 3.6    | 1A                   | 0.12   | 1A                        | 0.010  | 1A                      | 5.1  | 2                   | 903    | 1A                | 29     |
| NEWLYN RIVER       | NEWLYN BRIDGE                  | R21A005 | 1B  | 1A         | 6.7   | 1A         | 7.7    | 1A               | 16.9   | 1A                      | 84.4  | 2                | 6.1    | 2A                   | 0.20   | 1A                        | 0.010  | 1A                      | 7.4  | 1A                  | 9      | 1A                | 29     |
| TREREIFE STREAM    | DENNIS PLACE                   | R21A019 | 1B  | 1A         | 6.7   | 1A         | 7.7    | 1A               | 14.9   | 1B                      | 79.0  | 1A               | 2.8    | 2                    | 1.21   | 1A                        | 0.010  | 1A                      | 7.6  | 1A                  | 9      | 1A                | 90     |
| TREREIFE STREAM    | PRIOR TO NEWLYN RIVER          | R21A020 | 1B  | 1A         | 6.9   | 1A         | 7.8    | 1A               | 15.9   | 1A                      | 81.8  | 2                | 5.5    | 1A                   | 0.08   | 1A                        | 0.010  | 1A                      | 16.0 | 1A                  | 39     | 1A                | 99     |
| SANCREED BROOK     | LITTLE SELLAN BRIDGE           | R21A017 | 1A  | 1A         | 6.3   | 1A         | 7.6    | 1A               | 15.8   | 1A                      | 80.6  | 1A               | 2.2    | 1B                   | 0.41   | 1A                        | 0.010  | 1A                      | 8.5  | 1A                  | 4      | 1A                | 15     |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: LANDS END STREAMS (NORTH COAST)**

| River            | Reach upstream of                | URN     | RQO | pH<br>(Lower) |              | pH<br>(Upper) |              | Temperature<br>(°C) |              | Dissolved<br>Oxygen<br>(%sat) |              | BOD (ATU)<br>(mg/l) |              | Total<br>Ammonia<br>(mg/l) |              | Un-Ionised<br>Ammonia<br>(mg/l) |              | Suspended<br>Solids<br>(mg/l) |              | Total<br>Copper<br>(µg/l) |              | Total<br>Zinc<br>(µg/l) |              |
|------------------|----------------------------------|---------|-----|---------------|--------------|---------------|--------------|---------------------|--------------|-------------------------------|--------------|---------------------|--------------|----------------------------|--------------|---------------------------------|--------------|-------------------------------|--------------|---------------------------|--------------|-------------------------|--------------|
|                  |                                  |         |     | Class 5%ile   | Class 95%ile | Class 5%ile   | Class 95%ile | Class 5%ile         | Class 95%ile | Class 5%ile                   | Class 95%ile | Class 5%ile         | Class 95%ile | Class 5%ile                | Class 95%ile | Class 5%ile                     | Class 95%ile | Class Mean                    | Class 95%ile | Class 5%ile               | Class 95%ile | Class 5%ile             | Class 95%ile |
| LAMORNA STREAM   | LAMORNA                          | R21A011 | 1A  | 1A            | 7.0          | 1A            | 7.7          | 1A                  | 15.9         | 1A                            | 90.6         | 1A                  | 2.4          | 1A                         | 0.15         | 1A                              | 0.010        | 1A                            | 8.8          | 1A                        | 6            | 1A                      | 18           |
| CARN EUNY STREAM | TREWOOFE                         | R21A015 | 1A  | 1A            | 6.8          | 1A            | 7.7          | 1A                  | 16.2         | 1A                            | 89.0         | 1A                  | 2.7          | 1A                         | 0.10         | 1A                              | 0.010        | 1A                            | 13.6         | 1A                        | 5            | 1A                      | 24           |
| PENBERTH STREAM  | PENBERTH BRIDGE                  | R22A009 | 1B  | 1A            | 7.0          | 1A            | 7.7          | 1A                  | 17.0         | 1A                            | 82.7         | 1B                  | 3.6          | 1A                         | 0.27         | 1A                              | 0.010        | 1A                            | 10.4         | 1A                        | 9            | 1A                      | 17           |
| TREGESEAL STREAM | TREGESEAL BRIDGE<br>PRIOR TO SEA | R22A006 | 1A  | 1A            | 6.1          | 1A            | 7.7          | 1A                  | 16.8         | 1A                            | 87.0         | 1A                  | 2.3          | 1A                         | 0.24         | 1A                              | 0.010        | 1A                            | 7.8          | 1A                        | 7            | 1A                      | 23           |
| TREGESEAL STREAM |                                  | R22A007 | 1A  | 1A            | 6.3          | 1A            | 7.5          | 1A                  | 16.8         | 1B                            | 79.0         | 1B                  | 3.3          | 1B                         | 0.49         | 1A                              | 0.010        | 1A                            | 10.9         | 1A                        | 11           | 1A                      | 117          |
| ZENNOR STREAM    | ZENNOR                           | R22A008 | 1A  | 1A            | 5.9          | 1A            | 7.6          | 1A                  | 15.2         | 1B                            | 67.7         | 2                   | 6.6          | 3                          | 1.76         | 1A                              | 0.010        | 1A                            | 4.8          | 1A                        | 6            | 1A                      | 29           |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: HAYLE**

| River              | Reach upstream of       | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|-------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                         |         |     | 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            |
| STENNACK RIVER     | BUSSOW RESERVOIR        | R22A013 | 1B  | 1A 6.7        | 1A 8.9        | 1A 20.1             | 1A 81.0                       | 1B 3.1              | 1A 0.06                    | 1A 0.010                        | 1A 6.4                        | 1A 9                      | 1A 28                   |
| RIVER HAYLE        | B3303 BRIDGE CROWAN     | R22B014 | 1B  | 1A 6.3        | 1A 7.6        | 1A 17.0             | 1B 75.6                       | 1A 2.9              | 1A 0.13                    | 1A 0.010                        | 1A 7.4                        | 1A 9                      | 1A 65                   |
| RIVER HAYLE        | DRYM FARM               | R22B015 | 1B  | 1A 6.7        | 1A 7.7        | 1A 17.0             | 1A 82.2                       | 1B 3.4              | 1A 0.05                    | 1A 0.010                        | 1A 10.5                       | 1A 18                     | 1A 69                   |
| RIVER HAYLE        | BINNER BRIDGE           | R22B001 | 1B  | 1A 6.4        | 1A 7.7        | 1A 16.2             | 1B 73.8                       | 1B 3.4              | 1A 0.15                    | 1A 0.010                        | 1A 11.9                       | 2 75                      | 2 357                   |
| RIVER HAYLE        | GODOLPHIN BRIDGE        | R22B002 | 3   | 1A 6.4        | 1A 7.4        | 1A 16.0             | 1B 78.8                       | 1A 1.8              | 1A 0.08                    | 1A 0.010                        | 1A 7.0                        | 2 217                     | 2 986                   |
| RIVER HAYLE        | RELUBBUS                | R22B003 | 1B  | 1A 6.8        | 1A 7.6        | 1A 16.1             | 1A 81.1                       | 1A 1.5              | 1A 0.03                    | 1A 0.010                        | 1A 2.7                        | 2 50                      | 2 815                   |
| RIVER HAYLE        | ST ERTH GAUGING STATION | R22B004 | 1B  | 1A 6.8        | 1A 7.6        | 1A 16.2             | 1B 78.0                       | 1A 2.1              | 1A 0.13                    | 1A 0.010                        | 1A 3.4                        | 1A 48                     | 2 716                   |
| NANCE STREAM       | LELANT                  | R22A005 | 1B  | 1A 6.9        | 1A 7.8        | 1A 16.1             | 1A 81.4                       | 1A 2.8              | 1A 0.10                    | 1A 0.010                        | 1A 8.2                        | 1A 21                     | 1A 25                   |
| ST. ERTH STREAM    | TRELOWETH               | R22B018 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.0             | 1B 72.8                       | 2 5.8               | 1A 0.19                    | 1A 0.010                        | 3 57.7                        | 2 118                     | 2 442                   |
| MILLPOOL STREAM    | MILLPOOL                | R22B013 | 1B  | 1A 6.6        | 1A 7.6        | 1A 16.1             | 1B 74.2                       | 1A 2.5              | 1A 0.07                    | 1A 0.010                        | 1A 7.6                        | 2 44                      | 1A 163                  |
| GODOLPHIN STREAM   | GWEDNA                  | R22B017 | 1A  | 1A 6.0        | 1A 7.3        | 1A 15.4             | 1B 60.5                       | 1A 2.3              | 1A 0.18                    | 1A 0.010                        | 1A 9.7                        | 2 221                     | 2 686                   |
| NANCEGOLLAN STREAM | TRENNMEAL               | R22B016 | 1B  | 1A 6.6        | 1A 7.6        | 1A 16.0             | 1B 77.4                       | 1B 4.8              | 1A 0.22                    | 1A 0.010                        | 1A 12.3                       | 1A 39                     | 1A 149                  |
| ANGARRACK STREAM   | NANPUSKER               | R22A014 | 1B  | 1A 6.8        | 1A 7.6        | 1A 15.4             | 1B 77.4                       | 2 6.2               | 1A 0.27                    | 1A 0.010                        | 1A 11.6                       | 2 300                     | 1A 483                  |
| ANGARRACK STREAM   | PHILLACK - COPPERHOUSE  | R22A001 | 1B  | 1A 7.5        | 1A 8.3        | 2 21.9              | 1B 74.0                       | 1A 2.9              | 1A 0.19                    | 1A 0.010                        | 1A 12.1                       | 1A 78                     | 1A 362                  |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: RED**

| River              | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                       |         |     | 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            |
| RED RIVER          | ABOVE BREA TIN WORKS                  | R23A001 | 2   | 1A 6.3        | 1A 7.6        | 1A 17.1             | 1B 79.8                       | 1A 2.2              | 1A 0.13                    | 1A 0.010                        | 1A 5.5                        | 2 29                      | 1A 79                   |
| RED RIVER          | ABOVE SOUTH CROFTY PLANT AND MILL     | R23A002 | 3   | 1A 6.8        | 1A 7.7        | 1A 19.0             | 1A 81.0                       | 1A 1.9              | 1A 0.10                    | 1A 0.010                        | 1A 2.7                        | 2 141                     | 1A 111                  |
| RED RIVER          | ROSCROGGAN BRIDGE ABOVE DOLCOATH ADIT | R23A003 | 3   | 1A 6.5        | 3 9.2         | 1A 20.9             | 1A 82.8                       | 2 6.5               | 2 0.80                     | 3 0.028                         | 3 46.4                        | 2 1546                    | 3 11236                 |
| RED RIVER          | KIEVE BRIDGE                          | R23A005 | 3   | 1A 6.9        | 1A 7.7        | 1A 18.8             | 1B 77.6                       | 1B 4.2              | 1B 0.56                    | 1A 0.010                        | 1A 19.4                       | 2 530                     | 3 3400                  |
| RED RIVER          | GWITHIAN TOWNS                        | R23A006 | 3   | 1A 6.8        | 1A 7.7        | 1A 17.4             | 1A 81.9                       | 1A 2.2              | 1A 0.26                    | 1A 0.010                        | 1A 20.7                       | 2 133                     | 3 2103                  |
| ROSEWORTHY STREAM  | BOTETOE BRIDGE                        | R23A038 | 1B  | 1A 6.5        | 1A 7.5        | 1A 16.2             | 1B 66.1                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 3.4                        | 2 75                      | 2 316                   |
| ROSEWORTHY STREAM  | PENPONS                               | R23A008 | 1B  | 1A 6.6        | 1A 7.7        | 1A 16.3             | 1B 77.3                       | 1A 2.3              | 1A 0.20                    | 1A 0.010                        | 1A 10.5                       | 2 103                     | 1A 210                  |
| ROSEWORTHY STREAM  | NANCHEMELIN                           | R23A009 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.3             | 1B 77.6                       | 1A 1.9              | 1A 0.09                    | 1A 0.010                        | 1A 6.5                        | 1A 42                     | 2 860                   |
| PAZE RIVER         | CARGENMEN NO.1 RESERVOIR              | R23A050 | 1B  | 1A 6.9        | 1A 8.3        | 1A 19.6             | 1B 78.7                       | 1A 2.6              | 1A 0.13                    | 1A 0.010                        | 1A 3.0                        | 1A 16                     | 1A 65                   |
| PAZE RIVER         | PAZE                                  | R23A045 | 1B  | 1A 6.2        | 1A 7.6        | 1A 16.0             | 1B 71.3                       | 1B 3.4              | 1A 0.24                    | 1A 0.010                        | 1A 7.9                        | 1A 20                     | 1A 46                   |
| PAZE RIVER         | BARRIPPER                             | R23A037 | 1B  | 1A 6.6        | 1A 7.5        | 1A 16.3             | 1B 73.0                       | 1A 2.5              | 1A 0.29                    | 1A 0.010                        | 1A 7.1                        | 1A 39                     | 1A 139                  |
| REEN STREAM        | RAMSGATE                              | R23A007 | 1B  | 1A 6.6        | 1A 7.6        | 1A 15.8             | 1A 80.8                       | 1A 1.7              | 1A 0.19                    | 1A 0.010                        | 1A 3.4                        | 2 91                      | 1A 140                  |
| TEHIDY STREAM      | TOLVADDON BRIDGE                      | R23A042 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.8             | 1B 79.6                       | 2 8.9               | 1A 0.15                    | 1A 0.010                        | 1A 12.1                       | 2 63                      | 1A 126                  |
| TEHIDY STREAM      | OLD MERROSE                           | R23A041 | 1A  | 1A 6.9        | 1A 7.6        | 1A 16.8             | 1B 76.2                       | 1A 2.7              | 1A 0.06                    | 1A 0.010                        | 1A 7.3                        | 1A 49                     | 1A 104                  |
| TEHIDY STREAM      | COOMBE                                | R23A017 | 1A  | 1A 7.2        | 1A 7.9        | 1A 16.6             | 1A 83.4                       | 1A 2.3              | 1A 0.15                    | 1A 0.010                        | 1A 4.2                        | 1A 24                     | 1A 53                   |
| PORTREATH STREAM   | BRIDGE BELOW CAMBROSE                 | R23A015 | 3   | 1A 6.7        | 1A 7.6        | 1A 16.2             | 1A 81.4                       | 1A 2.6              | 1A 0.25                    | 1A 0.010                        | 1A 6.0                        | 2 291                     | 2 699                   |
| REDRUTH STREAM     | NORTH COUNTRY BRIDGE                  | R23A014 | 1B  | 1A 6.4        | 1A 7.4        | 1A 14.7             | 1B 78.7                       | 3 9.3               | 1A 0.14                    | 1A 0.010                        | 1A 13.5                       | 2 388                     | 2 495                   |
| PORTHTOWAN STREAM  | MOUNT HAWKE                           | R23A043 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.6             | 1A 85.0                       | 1B 3.3              | 1B 0.38                    | 1A 0.010                        | 1A 12.4                       | 1A 26                     | 1A 353                  |
| PORTHTOWAN STREAM  | PORTHTOWAN BRIDGE                     | R23A013 | 1B  | 1A 6.0        | 1A 7.3        | 1A 16.0             | 3 34.8                        | 1A 2.8              | 3 2.81                     | 1A 0.010                        | 1A 6.8                        | 2 672                     | 3 3000                  |
| MENAGISSEY STREAM  | MENAGISSEY BRIDGE                     | R23A052 | 1B  | 1A 6.7        | 1A 7.7        | 1A 15.0             | 1B 75.2                       | 1B 4.6              | 1B 0.54                    | 1A 0.010                        | 1A 10.9                       | 2 315                     | 3 1596                  |
| ST AGNES STREAM    | PRIOR TO CULVERT ST AGNES             | R23A016 | 1B  | 1A 7.1        | 1A 8.3        | 1A 15.6             | 1A 82.4                       | 3 10.4              | 2 0.82                     | 1A 0.012                        | 1A 16.7                       | 1A 46                     | 1A 186                  |
| TREVELLAS STREAM   | U/S TREVAUNANCE COVE D/S BLUE HILL FF | R23A051 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.0             | 1B 80.0                       | 1A 2.1              | 1A 0.14                    | 1A 0.010                        | 1A 3.6                        | 2 57                      | 2 735                   |
| PERRANPORTH STREAM | SILVERWELL                            | R23A046 | 1A  | 1A 6.5        | 1A 7.9        | 1A 19.6             | 2 53.7                        | 3 13.7              | 1A 0.21                    | 1A 0.010                        | 3 27.7                        | 2 86                      | 1A 180                  |
| PERRANPORTH STREAM | MITHIAN                               | R23A047 | 1A  | 1A 6.9        | 1A 7.7        | 1A 15.3             | 1A 81.0                       | 1B 4.0              | 1B 0.43                    | 1A 0.010                        | 1A 7.0                        | 1A 13                     | 2 643                   |
| PERRANPORTH STREAM | PLEASURE GARDENS PERRANPORTH          | R23A012 | 1A  | 1A 7.2        | 1A 8.3        | 1A 15.7             | 1B 76.3                       | 1B 3.6              | 1A 0.12                    | 1A 0.010                        | 1A 12.8                       | 1A 39                     | 1A 394                  |
| BOLINGEY STREAM    | PERRANWELL                            | R23A048 | 1A  | 1A 6.9        | 1A 7.6        | 1A 15.1             | 1B 63.4                       | 1B 3.1              | 1B 0.70                    | 1A 0.010                        | 1A 13.7                       | 1A 23                     | 2 1475                  |
| BOLINGEY STREAM    | PONSHERE BRIDGE                       | R23A011 | 1A  | 1A 7.1        | 1A 7.6        | 1A 15.3             | 1B 60.8                       | 1B 3.1              | 1B 0.52                    | 1A 0.010                        | 1A 12.0                       | 1A 20                     | 2 1120                  |
| HOLYWELL STREAM    | TRELASKE                              | R23A049 | 1A  | 1A 7.3        | 1A 7.8        | 1A 15.0             | 1B 79.8                       | 1B 4.1              | 2 0.78                     | 1A 0.010                        | 1A 13.0                       | 1A 17                     | 1A 409                  |
| HOLYWELL STREAM    | HOLYWELL DAY BRIDGE                   | R23A010 | 1A  | 1A 7.4        | 1A 8.0        | 1A 14.2             | 1B 74.8                       | 1A 2.5              | 1A 0.13                    | 1A 0.010                        | 1A 19.5                       | 1A 12                     | 1A 361                  |
| PORT JOKE STREAM   | PRIOR TO BEACH                        | R23A061 | 1B  | 1A 7.9        | 1A 8.4        | 1A 16.7             | 1B 68.4                       | 1A 2.3              | 1A 0.19                    | 1A 0.010                        | 1A 5.5                        | ND 0                      | ND 0                    |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: GANNEL**

| River                  | Reach upstream of      | URN     | RQO | pH (Lower) |       | pH (Upper) |        | Temperature (°C) |        | Dissolved Oxygen (%sat) |       | BOD (ATU) (mg/l) |        | Total Ammonia (mg/l) |        | Un-Ionised Ammonia (mg/l) |        | Suspended Solids (mg/l) |      | Total Copper (µg/l) |        | Total Zinc (µg/l) |        |
|------------------------|------------------------|---------|-----|------------|-------|------------|--------|------------------|--------|-------------------------|-------|------------------|--------|----------------------|--------|---------------------------|--------|-------------------------|------|---------------------|--------|-------------------|--------|
|                        |                        |         |     | 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 |
| RIVER GANNEL           | PERROSE                | R24A008 | 1B  | 1A         | 6.8   | 1A         | 7.8    | 1A               | 15.5   | 1A                      | 82.9  | 2                | 8.5    | 2                    | 1.43   | 1A                        | 0.010  | 1A                      | 17.9 | 1A                  | 31     | 1A                | 117    |
| RIVER GANNEL           | KESTLE MILL BRIDGE     | R24A005 | 1A  | 1A         | 7.0   | 1A         | 7.8    | 1A               | 16.1   | 1A                      | 88.0  | 1A               | 2.9    | 1A                   | 0.20   | 1A                        | 0.010  | 1A                      | 15.5 | 1A                  | 26     | 1A                | 101    |
| RIVER GANNEL           | GWILLS GAUGING STATION | R24A006 | 1B  | 1A         | 6.9   | 1A         | 7.8    | 1A               | 16.6   | 1A                      | 88.0  | 1A               | 2.9    | 1A                   | 0.21   | 1A                        | 0.010  | 1A                      | 16.2 | 1A                  | 16     | 1A                | 265    |
| RIVER GANNEL           | TREVEPPER              | R24A009 | 1B  | 1A         | 7.1   | 1A         | 7.9    | 1A               | 16.0   | 1A                      | 84.6  | 1B               | 4.8    | 1B                   | 0.42   | 1A                        | 0.010  | 1A                      | 15.5 | 1A                  | 17     | 1A                | 226    |
| TREN CREEK             | BOATING LAKE OVERFLOW  | R24A019 | 1B  | 1A         | 7.9   | 1A         | 8.9    | 1A               | 19.0   | 1B                      | 77.0  | 3                | 9.8    | 1B                   | 0.33   | 3                         | 0.034  | 1A                      | 15.2 | ND                  | 0      | ND                | 0      |
| TRELOGGAN STREAM       | A3075 ROUNDABOUT       | R24A018 | 1B  | 1A         | 7.3   | 1A         | 8.4    | 1A               | 19.3   | 1A                      | 84.0  | 1B               | 3.3    | 1A                   | 0.16   | 1A                        | 0.010  | 1A                      | 12.2 | 1A                  | 23     | 1A                | 134    |
| NEWLYN EAST STREAM     | ROSECLISTON            | R24A012 | 1B  | 1A         | 7.2   | 1A         | 8.0    | 1A               | 15.5   | 1A                      | 87.2  | 1A               | 2.4    | 1A                   | 0.20   | 1A                        | 0.010  | 1A                      | 10.3 | 1A                  | 5      | 1A                | 16     |
| BENNY STREAM           | BENNY MILL BRIDGE      | R24A004 | 1B  | 1A         | 6.8   | 1A         | 7.7    | 1A               | 16.1   | 1A                      | 80.4  | 1A               | 2.5    | 1A                   | 0.17   | 1A                        | 0.010  | 1A                      | 12.7 | 1A                  | 9      | 1A                | 185    |
| BENNY STREAM           | TREWERRY MILL          | R24A010 | 1B  | 1A         | 6.3   | 1A         | 7.7    | 1A               | 16.5   | 1A                      | 81.6  | 1A               | 2.7    | 1B                   | 0.47   | 1A                        | 0.010  | 1A                      | 10.8 | 1A                  | 11     | 1A                | 495    |
| EAST WHEAL ROSE STREAM | EAST WHEAL ROSE BRIDGE | R24A001 | 3   | 3          | 3.8   | 1A         | 7.5    | 1A               | 17.7   | 1A                      | 88.6  | 1A               | 2.2    | 1A                   | 0.13   | 1A                        | 0.010  | 1A                      | 4.6  | 2                   | 47     | 3                 | 1707   |
| EAST WHEAL ROSE STREAM | METHA BRIDGE           | R24A003 | 3   | 1A         | 5.8   | 1A         | 7.4    | 1A               | 16.2   | 1A                      | 86.6  | 1A               | 2.0    | 3                    | 1.70   | 1A                        | 0.010  | 1A                      | 8.9  | 1A                  | 26     | 3                 | 1162   |
| EAST WHEAL ROSE STREAM | BENNY BRIDGE           | R24A011 | 3   | 1A         | 6.7   | 1A         | 7.5    | 1A               | 15.7   | 1A                      | 86.0  | 1A               | 2.5    | 2                    | 1.27   | 1A                        | 0.010  | 1A                      | 8.0  | 1A                  | 17     | 2                 | 975    |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: PORTH**

| River             | Reach upstream of       | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|-------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                         |         |     | 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            |
| PORTH STREAM      | TREGOOSE FORD BRIDGE    | R25A004 | 1B  | 1A 7.1        | 1A 7.8        | 1A 17.2             | 1B 79.1                       | 1A 2.7              | 1B 0.39                    | 1A 0.010                        | 3 41.1                        | 1A 11                     | 1A 91                   |
| PORTH STREAM      | MELANCOOSE              | R25A009 | 1A  | 1A 7.0        | 3 9.4         | 1A 18.2             | 1B 78.6                       | 1B 3.3              | 1A 0.27                    | 1A 0.010                        | 1A 14.8                       | 1A 7                      | 1A 93                   |
| PORTH STREAM      | RIALTON BRIDGE          | R25A005 | 1A  | 1A 7.4        | 1A 8.6        | 1A 17.9             | 1B 77.6                       | 1A 3.0              | 1A 0.13                    | 1A 0.010                        | 1A 12.4                       | 1A 8                      | 1A 83                   |
| ST. MAWGAN STREAM | WHIPSIDERRY             | R25A013 | 1B  | 1A 7.1        | 1A 8.2        | 1A 17.6             | 1A 86.2                       | 1A 3.0              | 1A 0.14                    | 1A 0.010                        | 1A 14.6                       | 1A 12                     | 1A 36                   |
| RIVER MENALHYL    | TREGAMERE               | R25A014 | 1A  | 1A 6.9        | 1A 7.8        | 1A 16.4             | 1B 79.2                       | 1B 3.1              | 1A 0.06                    | 1A 0.010                        | 1A 15.9                       | 1A 9                      | 1A 50                   |
| RIVER MENALHYL    | ST. COLUMB MAJOR BRIDGE | R25A001 | 1A  | 1A 6.9        | 1A 7.9        | 1A 15.7             | 1A 85.6                       | 1A 2.3              | 1A 0.06                    | 1A 0.010                        | 1A 7.6                        | 1A 9                      | 1A 19                   |
| RIVER MENALHYL    | BELOW ST. COLUMB STW    | R25A011 | 1A  | 1A 6.9        | 1A 7.8        | 1A 17.4             | 1B 69.3                       | 2 8.5               | 2 1.39                     | 1A 0.010                        | 1A 10.6                       | 1A 12                     | 1A 29                   |
| RIVER MENALHYL    | ST. MAWGAN BRIDGE       | R25A002 | 1A  | 1A 7.3        | 1A 7.9        | 1A 16.4             | 1A 84.6                       | 1A 2.7              | 1A 0.13                    | 1A 0.010                        | 1A 9.4                        | 1A 11                     | 1A 27                   |
| RIVER MENALHYL    | MAWGAN PORTH BRIDGE     | R25A003 | 1A  | 1A 7.2        | 1A 7.9        | 1A 16.6             | 1B 64.9                       | 1B 3.2              | 1A 0.23                    | 1A 0.010                        | 1A 9.1                        | 1A 29                     | 1A 29                   |
| GLUVIAN STREAM    | GLUVIAN                 | R25A018 | 1B  | 1A 7.1        | 1A 7.8        | 1A 15.6             | 1B 79.0                       | 1B 3.3              | 1A 0.12                    | 1A 0.010                        | 1A 10.5                       | 1A 8                      | 1A 72                   |
| PORHCOTHAN STREAM | PORHCOTHAN ROADBRIDGE   | R25A008 | 1B  | 1A 7.4        | 1A 8.0        | 1A 16.0             | 1B 68.6                       | 1A 2.0              | 1A 0.14                    | 1A 0.010                        | 1A 11.6                       | 1A 6                      | 1A 32                   |
| HARLYN WATER      | TRENEARNE BRIDGE        | R25A026 | 1A  | 1A 7.7        | 1A 8.2        | 1A 16.2             | 1B 72.0                       | 1B 4.5              | 1A 0.07                    | 1A 0.001                        | 1A 8.8                        | ND 0                      | ND 0                    |
| HARLYN WATER      | HARLYN BRIDGE           | R25A007 | 1A  | 1A 7.5        | 1A 8.1        | 1A 17.4             | 3 37.8                        | 2 6.5               | 1A 0.16                    | 1A 0.010                        | 1A 4.4                        | 1A 4                      | 1A 7                    |

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**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: CAMEL**

| River               | Reach upstream of                     | URN     | RQO | pH<br>(Lower)<br>Class 5%ile | pH<br>(Upper)<br>Class 95%ile | Temperature<br>(°C)<br>Class 95%ile | Dissolved<br>Oxygen<br>(%sat)<br>Class 5%ile | DOO (ATU)<br>(mg/l)<br>Class 95%ile | Total<br>Ammonia<br>(mg/l)<br>Class 95%ile | Un-ionised<br>Ammonia<br>(mg/l)<br>Class 95%ile | Suspended<br>Solids<br>(mg/l)<br>Class Mean | Total<br>Copper<br>(µg/l)<br>Class 95%ile | Total<br>Zinc<br>(µg/l)<br>Class 95%ile |
|---------------------|---------------------------------------|---------|-----|------------------------------|-------------------------------|-------------------------------------|----------------------------------------------|-------------------------------------|--------------------------------------------|-------------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------|
| RIVER CAMEL         | SLAUGHTERBRIDGE D/S WORTHYVALE FF LOW | R25B021 | 1B  | 1A 6.7                       | 1A 7.7                        | 1A 14.9                             | 1B 77.8                                      | 1A 1.9                              | 1B 0.35                                    | 1A 0.010                                        | 1A 6.6                                      | 2 X 25                                    | 2 X 630                                 |
| RIVER CAMEL         | CAMELFORD BRIDGE                      | R25B001 | 1B  | 1A 6.7                       | 1A 7.7                        | 1A 15.6                             | 1A 82.4                                      | 1B 3.1                              | 1A 0.27                                    | 1A 0.010                                        | 1A 9.5                                      | 1A X 8                                    | 1A X 29                                 |
| RIVER CAMEL         | PENCARROW                             | R25B022 | 1B  | 1A 6.6                       | 1A 7.6                        | 1A 15.5                             | 1A 83.6                                      | 1B 3.9                              | 2 X 0.91                                   | 1A 0.010                                        | 1A 11.3                                     | 1A 9                                      | 1A 33                                   |
| RIVER CAMEL         | TRECARNE BRIDGE                       | R25B002 | 1B  | 1A 6.4                       | 1A 7.5                        | 1A 15.6                             | 1A 89.0                                      | 1B 4.8                              | 1B 0.32                                    | 1A 0.010                                        | 1A 13.2                                     | 1A 11                                     | 1A 34                                   |
| RIVER CAMEL         | GAM BRIDGE                            | R25B003 | 1B  | 1A 6.6                       | 1A 7.7                        | 1A 15.4                             | 1A 87.0                                      | 1A 2.9                              | 1A 0.27                                    | 1A 0.010                                        | 1A 10.9                                     | 1A 6                                      | 1A 31                                   |
| RIVER CAMEL         | WENFORD                               | R25B023 | 1B  | 1A 6.6                       | 1A 7.7                        | 1A 15.8                             | 1A 82.8                                      | 1A 2.7                              | 1A 0.13                                    | 1A 0.010                                        | 1A 12.0                                     | 1A 7                                      | 1A 21                                   |
| RIVER CAMEL         | TRESARRET BRIDGE                      | R25B004 | 1B  | 1A 6.7                       | 1A 7.7                        | 1A 15.8                             | 1B 78.6                                      | 1B 3.1                              | 1B 0.32                                    | 1A 0.010                                        | 1A 7.5                                      | 1A 14                                     | 1A 17                                   |
| RIVER CAMEL         | HELLANDBRIDGE                         | R25B005 | 1A  | 1A 6.7                       | 1A 7.7                        | 1A 15.1                             | 1B 74.6                                      | 1A 2.6                              | 1A 0.13                                    | 1A 0.010                                        | 1A 8.2                                      | 1A 5                                      | 1A 19                                   |
| RIVER CAMEL         | DUMMERE BRIDGE                        | R25B006 | 1B  | 1A 6.8                       | 1A 7.7                        | 1A 15.6                             | 1A 83.0                                      | 1A 2.8                              | 1B 0.46                                    | 1A 0.010                                        | 1A 7.4                                      | 1A 7                                      | 1A 25                                   |
| RIVER CAMEL         | NANSTALLON BRIDGE                     | R25B007 | 1B  | 1A 6.8                       | 1A 7.7                        | 1A 15.6                             | 1B 75.8                                      | 1B 3.3                              | 1A 0.23                                    | 1A 0.010                                        | 1A 10.4                                     | 1A 8                                      | 1A 28                                   |
| RIVER CAMEL         | GROGLEY                               | R25B008 | 1B  | 1A 6.8                       | 1A 7.7                        | 1A 15.6                             | 1A 80.6                                      | 1A 2.4                              | 1A 0.17                                    | 1A 0.010                                        | 1A 9.3                                      | 1A 6                                      | 1A 23                                   |
| RIVER CAMEL         | POLBROCK                              | R25B029 | 1B  | 1A 6.8                       | 1A 7.6                        | 1A 15.5                             |                                              |                                     |                                            |                                                 |                                             |                                           |                                         |
| ISSEY BROOK         | D/S MELLINGEY STREAM D/S MELLINGEY FF | R25A024 | 1B  | 1A 7.2                       | 1A 8.0                        | 1A 16.9                             | 1B 76.7                                      | 2 8.9                               | 2 1.26                                     | 1A 0.012                                        | 3 32.6                                      | ND 0                                      | ND 0                                    |
| RIVER AMBLE         | ST KEW FORD                           | R25A010 | 1B  | 1A 7.3                       | 1A 7.9                        | 1A 16.2                             | 1B 76.0                                      | 1B 3.2                              | 1B 0.55                                    | 1A 0.010                                        | 3 26.3                                      | 1A 6                                      | 1A 11                                   |
| RIVER AMBLE         | CHAPEL AMBLE BRIDGE                   | R25A006 | 1B  | 1A 7.4                       | 1A 8.0                        | 1A 16.5                             | 1B 74.8                                      | 1B 3.2                              | 1B 0.36                                    | 1A 0.010                                        | 1A 18.1                                     | 1A 25                                     | 1A 100                                  |
| POLMORLA STREAM     | POLMORLA                              | R25B053 | 1B  | 1A 7.4                       | 1A 8.0                        | 1A 15.7                             | 1B 79.0                                      | 1B 3.7                              | 1A 0.16                                    | 1A 0.010                                        | 1A 8.9                                      | 1A 5                                      | 1A 15                                   |
| RIVER ALLEN (CAMEL) | KNIGHTSMILL BRIDGE                    | R25D001 | 1B  | 1A 7.2                       | 1A 7.8                        | 1A 18.3                             | 1A 86.8                                      | 1B 3.6                              | 1A 0.16                                    | 1A 0.010                                        | 1A 11.0                                     | 1A 18                                     | 1A 288                                  |
| RIVER ALLEN (CAMEL) | KELLYGREEN BRIDGE                     | R25D002 | 1A  | 1A 7.4                       | 1A 8.0                        | 1A 17.3                             | 1A 81.0                                      | 1A 2.3                              | 1A 0.13                                    | 1A 0.010                                        | 1A 14.8                                     | 1A 6                                      | 1A 112                                  |
| RIVER ALLEN (CAMEL) | SLADESBRIDGE                          | R25D003 | 1A  | 1A 7.3                       | 1A 8.0                        | 1A 17.1                             | 1A 80.1                                      | 1B 3.5                              | 1A 0.22                                    | 1A 0.010                                        | 1A 22.3                                     | 1A 11                                     | 1A 161                                  |
| DELABOLE STREAM     | NEWMALL GREEN                         | R25D009 | 1B  | 1A 6.8                       | 1A 7.6                        | 1A 15.8                             | 1B 70.4                                      | 2 5.9                               | 2 1.03                                     | 1A 0.010                                        | 1A 19.9                                     | 1A 16                                     | 2 979                                   |
| RIVER RUTHERN       | WITHIEL BRIDGE                        | R25B027 | 1B  | 1A 6.9                       | 1A 7.7                        | 1A 15.4                             | 1B 78.8                                      | 1A 2.7                              | 1A 0.12                                    | 1A 0.010                                        | 1A 11.9                                     | 1A 13                                     | 1A 124                                  |
| RIVER RUTHERN       | GROGLEY DOWNS BRIDGE                  | R25B028 | 1B  | 1A 6.9                       | 1A 7.7                        | 1A 15.0                             | 1A 80.6                                      | 1A 2.5                              | 1A 0.11                                    | 1A 0.010                                        | 1A 11.3                                     | 1A 10                                     | 1A 74                                   |
| LANIVET STREAM      | LANIVET                               | R25B014 | 2   | 1A 6.8                       | 1A 7.7                        | 1A 14.5                             | 1A 80.0                                      | 1B 3.5                              | 1B 0.38                                    | 1A 0.010                                        | 1A 8.1                                      | 1A 13                                     | 1A 36                                   |
| LANIVET STREAM      | NANSTALLON BRIDGE                     | R25B016 | 1B  | 1A 6.7                       | 1A 7.6                        | 1A 14.6                             | 1A 80.8                                      | 1B 3.1                              | 1A 0.15                                    | 1A 0.010                                        | 1A 13.2                                     | 1A 15                                     | 1A 60                                   |
| ST. LAWRENCE STREAM | ABOVE A389 BRIDGE                     | R25B040 | 1B  | 1A 6.8                       | 1A 7.7                        | 1A 14.9                             | 1A 82.4                                      | 1B 4.0                              | 1A 0.18                                    | 1A 0.010                                        | 1A 10.0                                     | 1A 28                                     | 1A 69                                   |
| ST. LAWRENCE STREAM | PRIOR TO RIVER CAMEL                  | R25B038 | 1B  | 1A 6.4                       | 1A 7.5                        | 1A 16.4                             | 1B 72.2                                      | 3 11.8                              | 3 4.04                                     | 1A 0.017                                        | 1A 11.2                                     | 2 42                                      | 1A 75                                   |
| DUMMERE STREAM      | ABOVE PENDEWEY BRIDGE                 | R25B026 | 1B  | 1A 6.8                       | 1A 7.8                        | 1A 15.3                             | 1A 83.3                                      | 1B 4.6                              | 2 1.43                                     | 1A 0.010                                        | 1A 8.5                                      | 1A 15                                     | 1A 62                                   |
| CLERKENWATER        | CLERKENWATER                          | R25B018 | 1B  | 1A 7.1                       | 1A 7.8                        | 1A 15.1                             | 1A 86.5                                      | 1A 2.4                              | 1A 0.05                                    | 1A 0.010                                        | 1A 6.9                                      | 1A 10                                     | 1A 18                                   |
| DE LANK RIVER       | BRADFORD BRIDGE                       | R25C001 | 1B  | 1A 5.6                       | 1A 7.5                        | 1A 16.3                             | 1B 71.5                                      | 1A 2.5                              | 1A 0.05                                    | 1A 0.010                                        | 1A 2.3                                      | 1A 3                                      | 1A 14                                   |
| DE LANK RIVER       | KEYBRIDGE                             | R25C002 | 1B  | 1A 6.2                       | 1A 7.6                        | 1A 16.1                             | 1B 74.8                                      | 1A 2.3                              | 1A 0.05                                    | 1A 0.010                                        | 1A 4.3                                      | 1A 6                                      | 1A 16                                   |
| STANNON STREAM      | TRECARNE                              | R25B025 | 1A  | 1A 6.2                       | 1A 7.8                        | 1A 15.5                             | 1A 87.5                                      | 1A 2.5                              | 1A 0.16                                    | 1A 0.010                                        | 1A 9.4                                      | 1A 16                                     | 1A 26                                   |
| CROWDY STREAM       | CROWDY RESERVOIR                      | R25B031 | 1A  | 1A 5.3                       | 1A 7.3                        | 1A 20.4                             | 1A 83.7                                      | 1B 3.6                              | 1A 0.16                                    | 1A 0.010                                        | 1A 11.7                                     | 2 5                                       | 1A 20                                   |
| DAVIDSTOW STREAM    | TREGOODWELL                           | R25B024 | 1B  | 1A 6.6                       | 1A 7.7                        | 1A 15.9                             | 1A 87.3                                      | 1A 2.6                              | 1A 0.14                                    | 1A 0.010                                        | 1A 9.5                                      | 1A 10                                     | 1A 31                                   |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: VALENCY AND CRACKINGTON STREAMS**

| River              | Reach upstream of             | URN     | RQO | pH<br>(Lower) |       | pH<br>(Upper) |        | Temperature<br>(°C) |        | Dissolved<br>Oxygen<br>(%sat) |       | BOD (ATU)<br>(mg/l) |        | Total<br>Ammonia<br>(mg/l) |        | Un-ionised<br>Ammonia<br>(mg/l) |        | Suspended<br>Solids<br>(mg/l) |      | Total<br>Copper<br>(µg/l) |        | Total<br>Zinc<br>(µg/l) |        |
|--------------------|-------------------------------|---------|-----|---------------|-------|---------------|--------|---------------------|--------|-------------------------------|-------|---------------------|--------|----------------------------|--------|---------------------------------|--------|-------------------------------|------|---------------------------|--------|-------------------------|--------|
|                    |                               |         |     | 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 |
| RIVER VALENCY      | ANDERTON FORD                 | R26A006 | 1B  | 1A            | 7.1   | 1A            | 7.8    | 1A                  | 15.4   | 1B                            | 79.8  | 2                   | 6.3    | 2                          | 0.71   | 1A                              | 0.010  | 1A                            | 19.2 | 1A                        | 13     | 1A                      | 85     |
| RIVER VALENCY      | BOSCASTLE BRIDGE              | R26A003 | 1B  | 1A            | 7.0   | 1A            | 8.1    | 1A                  | 15.5   | 1A                            | 87.6  | 1A                  | 3.0    | 1A                         | 0.18   | 1A                              | 0.010  | 1A                            | 18.6 | 1A                        | 8      | 1A                      | 87     |
| CRACKINGTON STREAM | CRACKINGTON HAVEN BRIDGE EAST | R26A001 | 1B  | 1A            | 7.2   | 1A            | 8.4    | 1A                  | 18.4   | 1A                            | 86.5  | 1B                  | 3.7    | 1B                         | 0.54   | 1A                              | 0.010  | 1A                            | 12.3 | 1A                        | 5      | 1A                      | 10     |
| MILLOOK STREAM     | MILLOOK                       | R26A004 | 1B  | 1A            | 6.9   | 1A            | 8.0    | 1A                  | 17.3   | 1A                            | 91.1  | 2                   | 5.9    | 1A                         | 0.23   | 1A                              | 0.010  | 3                             | 25.4 | 1A                        | 22     | 1A                      | 8      |
| WANSON WATER       | WANSON                        | R26A005 | 1B  | 1A            | 7.3   | 1A            | 7.9    | 1A                  | 17.0   | 1B                            | 60.9  | 2                   | 5.2    | 3                          | 3.68   | 3                               | 0.037  | 1A                            | 7.5  | 1A                        | 24     | 1A                      | 17     |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: STRAT**

| River                | Reach upstream of                   | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|----------------------|-------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                      |                                     |         |     | 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            |
| RIVER STRAT          | BUSH                                | R27A015 | 1B  | 1A 7.3        | 1A 8.0        | 1A 18.4             | 1A 88.1                       | 1B 3.5              | 1A 0.19                    | 1A 0.010                        | 1A 9.8                        | 1A 7                      | 1A 10                   |
| RIVER STRAT          | STRATTON                            | R27A001 | 1B  | 1A 7.5        | 1A 8.4        | 2 22.0              | 1A 88.8                       | 1B 3.3              | 1A 0.17                    | 1A 0.010                        | 1A 12.2                       | 1A 9                      | 1A 20                   |
| RIVER STRAT          | HELE BRIDGE                         | R27A002 | 1B  | 1A 7.5        | 1A 8.1        | 1A 19.9             | 1A 88.0                       | 1B 4.3              | 1A 0.26                    | 1A 0.010                        | 1A 11.7                       | 1A 10                     | 1A 91                   |
| RIVER STRAT          | RODDS BRIDGE                        | R27A003 | 1B  | 1A 7.5        | 1A 8.2        | 2 22.7              | 1B 74.7                       | 1B 3.6              | 1A 0.28                    | 1A 0.010                        | 1A 12.6                       | 1A 13                     | 1A 210                  |
| BUDE CANAL           | RODDS BRIDGE                        | R27A009 | 1B  | 1A 7.3        | 1A 7.9        | 1A 21.0             | 1B 63.5                       | 1A 2.8              | 1A 0.27                    | 1A 0.010                        | 1A 15.0                       | 1A 5                      | 1A 15                   |
| BUDE CANAL           | FALCON BRIDGE                       | R27A010 | 1B  | 1A 7.2        | 1A 8.1        | 2 22.3              | 1B 64.8                       | 1B 3.9              | 1A 0.29                    | 1A 0.010                        | 1A 15.3                       | 1A 7                      | 1A 20                   |
| RIVER NEET           | LANGFORD BRIDGE                     | R27A007 | 1B  | 1A 7.1        | 1A 7.9        | 1A 16.8             | 1A 80.7                       | 1A 2.8              | 1A 0.19                    | 1A 0.010                        | 1A 10.5                       | 1A 6                      | 1A 16                   |
| RIVER NEET           | HELE BRIDGE ABOVE WIDEMOUTH BAY STW | R27A008 | 1B  | 1A 7.4        | 1A 8.5        | 1A 20.7             | 1A 86.7                       | 1B 3.9              | 1A 0.27                    | 1A 0.010                        | 1A 12.8                       | 1A 8                      | 1A 248                  |
| JACOB STREAM         | NEWMILL BRIDGE                      | R27A006 | 1B  | 1A 6.7        | 1A 7.8        | 1A 16.1             | 1B 79.8                       | 1B 3.5              | 1A 0.19                    | 1A 0.010                        | 1A 10.0                       | 1A 4                      | 1A 9                    |
| SOUTH WEEK STREAM    | KITSHAM BRIDGE                      | R27A005 | 1B  | 1A 6.8        | 1A 7.9        | 1A 17.4             | 1B 78.2                       | 1A 2.5              | 1A 0.18                    | 1A 0.010                        | 1A 13.9                       | 1A 4                      | 1A 8                    |
| COOMBE VALLEY STREAM | DUCKPOOL COTTAGE                    | R27A011 | 1B  | 1A 7.3        | 1A 8.7        | 1A 20.5             | 1A 93.7                       | 1B 3.3              | 1A 0.15                    | 1A 0.010                        | 1A 16.8                       | 1A 5                      | 1A 22                   |
| MARSLAND WATER       | GOOSEHAM MILL                       | R27A016 | 1B  | 1A 7.2        | 1A 8.0        | 1A 15.8             | 1A 90.4                       | 1B 4.0              | 1A 0.12                    | 1A 0.010                        | 1A 12.2                       | 1A 3                      | 1A 10                   |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: HARTLAND**

| River           | Reach upstream of | URN     | RQO | pH          |  | pH           |  | Temperature  |  | Dissolved   |  | BOD (ATU)    |  | Total        |  | Un-Ionised   |  | Suspended  |  | Total        |  | Total        |  |
|-----------------|-------------------|---------|-----|-------------|--|--------------|--|--------------|--|-------------|--|--------------|--|--------------|--|--------------|--|------------|--|--------------|--|--------------|--|
|                 |                   |         |     | (Lower)     |  | (Upper)      |  | (°C)         |  | Oxygen      |  | (mg/l)       |  | Ammonia      |  | Ammonia      |  | Solids     |  | Copper       |  | 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 |  |
| WELCOMBE STREAM | THE HERMITAGE     | R28A005 | 1B  | 1A 7.2      |  | 1A 8.6       |  | 1A 17.5      |  | 1A 83.5     |  | 1A 2.8       |  | 1A 0.26      |  | 1A 0.010     |  | 1A 5.7     |  | 2 50         |  | 1A 50        |  |
| ABBEY RIVER     | HARTLAND ABBEY    | R28A003 | 1B  | 1A 7.0      |  | 1A 8.0       |  | 1A 16.0      |  | 1A 87.4     |  | 1B 4.4       |  | 1A 0.17      |  | 1A 0.010     |  | 1A 7.9     |  | 1A 21        |  | 1A 31        |  |

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**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TORRIDGE**

| River              | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                       |         |     | 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            |
| RIVER TORRIDGE     | FORDMILL FARM                         | R29C001 | 1B  | 1A 6.6        | 1A 7.8        | 1A 16.4             | 1A 81.8                       | 1B 4.1              | 1A 0.27                    | 1A 0.010                        | 1A 8.8                        | ND 0                      | ND 0                    |
| RIVER TORRIDGE     | PUTFORD BRIDGE                        | R29C032 | 1B  | 1A 6.7        | 1A 7.7        | 1A 17.0             | 1A 81.0                       | 1B 3.6              | 1B 0.32                    | 1A 0.010                        | 1A 8.1                        | 1A 21                     | 1A 31                   |
| RIVER TORRIDGE     | WOODFORD BRIDGE                       | R29C002 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.8             | 1A 85.0                       | 2 5.7               | 1A 0.30                    | 1A 0.010                        | 1A 17.7                       | ND 0                      | ND 0                    |
| RIVER TORRIDGE     | GIDCOTT                               | R29C033 | 1B  | 1A 6.9        | 1A 7.8        | 1A 17.6             | 1A 81.2                       | 1B 3.8              | 1A 0.30                    | 1A 0.010                        | 1A 11.6                       | 1A 6                      | 1A 16                   |
| RIVER TORRIDGE     | KINGSLEY MILL ABOVE BLACK TOR'TON STW | R29C003 | 1B  | 1A 6.9        | 1A 7.8        | 1A 18.2             | 1A 83.0                       | 1B 3.8              | 1A 0.23                    | 1A 0.010                        | 1A 14.9                       | 1A 13                     | 1A 27                   |
| RIVER TORRIDGE     | ROCKHAY BRIDGE                        | R29C004 | 1B  | 1A 6.6        | 1A 7.8        | 1A 18.8             | 1A 81.1                       | 1B 3.7              | 1A 0.25                    | 1A 0.010                        | 1A 16.2                       | ND 0                      | ND 0                    |
| RIVER TORRIDGE     | HELE BRIDGE                           | R29C005 | 1B  | 1A 7.0        | 1A 7.8        | 1A 19.5             | 1B 74.3                       | 1B 3.5              | 1A 0.12                    | 1A 0.010                        | 1A 10.9                       | 1A 6                      | 1A 38                   |
| RIVER TORRIDGE     | NEWBRIDGE                             | R29B001 | 1B  | 1A 6.8        | 1A 7.8        | 1A 18.2             | 1A 83.7                       | 1B 4.1              | 1A 0.20                    | 1A 0.010                        | 1A 11.9                       | 1A 5                      | 1A 26                   |
| RIVER TORRIDGE     | BEAFORD BRIDGE                        | R29B002 | 1B  | 1A 6.8        | 1A 8.0        | 1A 18.6             | 1A 85.7                       | 1B 3.8              | 1B 0.36                    | 1A 0.010                        | 1A 13.4                       | 1A 5                      | 1A 24                   |
| RIVER TORRIDGE     | UNDERCLEASE                           | R29B038 | 1B  | 1A 7.1        | 1A 8.4        | 1A 18.4             | 1A 84.3                       | 1B 4.2              | 1A 0.21                    | 1A 0.010                        | 1A 22.3                       | ND 0                      | ND 0                    |
| RIVER TORRIDGE     | TOWN MILLS TORRINGTON                 | R29B003 | 1B  | 1A 7.0        | 1A 8.0        | 1A 17.9             | 1A 85.0                       | 1B 4.5              | 1A 0.24                    | 1A 0.010                        | 1A 21.5                       | 2 50                      | 1A 50                   |
| RIVER TORRIDGE     | ROTHERN BRIDGE                        | R29B004 | 1B  | 1A 6.9        | 1A 8.5        | 1A 18.7             | 1A 82.8                       | 1B 4.3              | 1A 0.17                    | 1A 0.010                        | 1A 12.0                       | 1A 6                      | 1A 16                   |
| RIVER TORRIDGE     | BEAM BRIDGE                           | R29B034 | 1B  | 1A 7.0        | 1A 7.9        | 1A 18.3             | 1A 85.7                       | 1B 4.6              | 1A 0.26                    | 1A 0.010                        | 3 25.9                        | 2 50                      | 1A 50                   |
| GAMMATON STREAM    | GAMMATON RESERVOIR                    | R29A013 | 1B  | 1A 7.1        | 3 9.6         | 1A 20.2             | 1A 84.0                       | 2 5.5               | 1A 0.22                    | 1A 0.013                        | 1A 5.4                        | 1A 5                      | 1A 18                   |
| JENNETT'S STREAM   | JENNETT'S RESERVOIR                   | R29A014 | 1B  | 1A 7.2        | 1A 8.5        | 2 22.4              | 2 57.5                        | 2 5.5               | 1A 0.28                    | 1A 0.010                        | 1A 11.9                       | 2 50                      | 1A 50                   |
| RIVER YEO BIDEFORD | FOXDOWN                               | R29A001 | 1A  | 1A 7.1        | 1A 7.9        | 1A 15.1             | 1A 87.9                       | 2 5.4               | 1A 0.31                    | 1A 0.010                        | 1A 24.2                       | 2 50                      | 1A 50                   |
| RIVER YEO BIDEFORD | TUCKINGMILL                           | R29A002 | 1A  | 1A 7.2        | 1A 7.8        | 1A 15.3             | 1A 86.0                       | 1B 4.8              | 1A 0.20                    | 1A 0.010                        | 3 28.7                        | ND 0                      | ND 0                    |
| RIVER YEO BIDEFORD | HOOPERS                               | R29A015 | 1A  | 1A 7.3        | 1A 7.8        | 1A 17.0             | 1A 86.3                       | 2 5.2               | 1A 0.30                    | 1A 0.010                        | 1A 24.6                       | 1A 18                     | 1A 60                   |
| RIVER YEO BIDEFORD | HEALE HOUSE                           | R29A003 | 1A  | 1A 7.2        | 1A 7.8        | 1A 17.0             | 1A 88.8                       | 2 5.1               | 1A 0.29                    | 1A 0.010                        | 3 38.7                        | 2 360                     | 1A 30                   |
| RIVER DUNTZ        | HEMBURY                               | R29A004 | 1A  | 1A 7.2        | 1A 7.8        | 1A 15.0             | 1A 85.4                       | 1B 4.1              | 2 0.84                     | 1A 0.010                        | 3 48.8                        | 1A 6                      | 1A 17                   |
| RIVER DUNTZ        | ORLEIGH MILLS                         | R29A005 | 1A  | 1A 7.1        | 1A 7.8        | 1A 17.0             | 1A 83.8                       | 2 5.3               | 1A 0.27                    | 1A 0.010                        | 3 40.6                        | 1A 10                     | 1A 38                   |
| LYDELAND WATER     | WATER BRIDGE                          | R29A006 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.5             | 1A 83.3                       | 1B 4.6              | 1B 0.38                    | 1A 0.010                        | 3 41.1                        | 1A 10                     | 1A 47                   |
| MELBURY STREAM     | MELBURY RESERVOIR                     | R29A012 | 1B  | 1A 6.2        | 1A 7.9        | 1A 19.0             | 1B 79.3                       | 1B 3.8              | 1A 0.11                    | 1A 0.010                        | 1A 7.3                        | 1A 5                      | 1A 30                   |
| HUNTSHAW WATER     | BRIDGE AT VAN'S WOOD                  | R29A026 | 1B  | 1A 7.2        | 1A 8.1        | 1A 18.9             | 1A 89.3                       | 1B 3.4              | 1A 0.24                    | 1A 0.010                        | 1A 9.5                        | ND 0                      | ND 0                    |
| COMMON LAKE        | TANTONS PLAIN                         | R29B039 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.6             | 1B 77.0                       | 2 6.1               | 3 15.46                    | 3 0.065                         | 1A 14.1                       | 1A 7                      | 1A 47                   |
| LANGTREE LAKE      | SERVIS FARM                           | R29B048 | 1B  | 1A 7.2        | 1A 8.0        | 1A 17.4             | 1A 87.5                       | 1B 4.0              | 1A 0.20                    | 1A 0.010                        | 1A 12.2                       | ND 0                      | ND 0                    |
| WOOLLEIGH BROOK    | CASTLE HILL                           | R29B037 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.9             | 1A 80.2                       | 2 5.4               | 1A 0.12                    | 1A 0.010                        | 1A 10.7                       | ND 0                      | ND 0                    |
| RIVER MERE         | COLEFORD BRIDGE                       | R29B007 | 1B  | 1A 7.1        | 1A 7.7        | 1A 16.3             | 1B 76.7                       | 1B 4.1              | 1A 0.20                    | 1A 0.010                        | 1A 9.0                        | ND 0                      | ND 0                    |
| RIVER MERE         | A386 BR MERTON D/S WATTS              | R29B008 | 2   | 1A 7.0        | 1A 7.8        | 1A 17.2             | 1B 71.2                       | 1B 4.1              | 1A 0.28                    | 1A 0.010                        | 1A 23.6                       | ND 0                      | ND 0                    |
| RIVER MERE         | GREATWOOD                             | R29B009 | 2   | 1A 7.1        | 1A 8.0        | 1A 17.6             | 1B 77.5                       | 1B 3.1              | 1A 0.11                    | 1A 0.010                        | 1A 18.9                       | 1A 6                      | 1A 21                   |
| LITTLE MERE RIVER  | WOOLADON MOOR ABOVE MEETH ND1         | R29B005 | 2   | 1A 7.1        | 1A 7.8        | 1A 17.0             | 1B 63.3                       | 2 6.0               | 1B 0.50                    | 1A 0.010                        | 3 177.3                       | 2 213                     | 2 496                   |
| LITTLE MERE RIVER  | BURYMOOR BRIDGE                       | R29B006 | 2   | 1A 6.9        | 1A 7.8        | 1A 18.3             | 1B 75.7                       | 2 3.6               | 1A 0.15                    | 1A 0.010                        | 3 26.3                        | 1A 7                      | 1A 13                   |
| EAST OKEMENT RIVER | 200M ABOVE FATHERFORD RAIL            | R29D031 | 1A  | 1A 6.3        | 1A 7.7        | 1A 15.4             | 1A 83.5                       | 1A 2.3              | 1A 0.03                    | 1A 0.010                        | 1A 1.7                        | 1A 5                      | 1A 24                   |
| EAST OKEMENT RIVER | A30 BRIDGE AT OKEHAMPTON              | R29D001 | 1A  | 1A 6.5        | 1A 7.7        | 1A 16.1             | 1A 85.6                       | 1A 2.5              | 1A 0.03                    | 1A 0.010                        | 1A 3.1                        | 1A 5                      | 1A 24                   |
| WEST OKEMENT RIVER | MELDON RESERVOIR                      | R29D053 | 1A  | 3 4.9         | 1A 7.0        | 1A 19.0             | 1A 82.8                       | 1A 1.9              | 1A 0.06                    | 1A 0.010                        | 1A 3.2                        | 2 11                      | 1A 21                   |
| WEST OKEMENT RIVER | BELOW MELDON DAM                      | R29D027 | 1A  | 1A 5.1        | 1A 7.6        | 1A 14.2             | 1A 86.0                       | 1A 1.9              | 1A 0.17                    | 1A 0.010                        | 1A 1.8                        | 1A 5                      | 1A 24                   |
| WEST OKEMENT RIVER | 100M BELOW RED-A-VEN                  | R29D109 | 1A  | 1A 5.8        | 1A 7.8        | 1A 15.1             | 1A 88.2                       | 1A 2.3              | 1A 0.08                    | 1A 0.010                        | 1A 2.6                        | 2 8                       | 1A 12                   |
| WEST OKEMENT RIVER | MELDON VIADUCT                        | R29D032 | 1A  | 1A 5.6        | 1A 7.7        | 1A 14.9             | 1A 89.8                       | 1A 2.0              | 1A 0.10                    | 1A 0.010                        | 1A 1.9                        | 1A 7                      | 1A 62                   |
| WEST OKEMENT RIVER | 200M BELOW MELDON QUARRY BRIDGE       | R29D030 | 1A  | 1A 5.6        | 1A 7.7        | 1A 15.6             | 1B 71.4                       | 1A 2.2              | 1A 0.11                    | 1A 0.010                        | 1A 3.7                        | 1A 18                     | 1A 145                  |
| WEST OKEMENT RIVER | OKEHAMPTON HOSPITAL                   | R29D002 | 1A  | 1A 6.1        | 1A 7.6        | 1A 16.1             | 1A 88.6                       | 1A 2.1              | 1A 0.08                    | 1A 0.010                        | 1A 3.4                        | 1A 18                     | 1A 111                  |
| RIVER OKEMENT      | KNOWLE BRIDGE                         | R29D026 | 1A  | 1A 6.4        | 1A 7.7        | 1A 15.8             | 1A 88.0                       | 1A 2.9              | 1A 0.08                    | 1A 0.010                        | 1A 3.6                        | 1A 6                      | 1A 63                   |
| RIVER OKEMENT      | BRIGHTLEY BRIDGE                      | R29D003 | 1A  | 1A 6.4        | 1A 7.7        | 1A 15.5             | 1A 86.8                       | 1A 2.4              | 1A 0.20                    | 1A 0.010                        | 1A 3.5                        | 1A 7                      | 1A 116                  |
| RIVER OKEMENT      | SOUTH DORNAFORD                       | R29D004 | 1A  | 1A 6.6        | 1A 7.7        | 1A 16.6             | 1A 83.8                       | 1B 4.1              | 2 0.87                     | 1A 0.010                        | 1A 8.2                        | 1A 13                     | 1A 88                   |
| RIVER OKEMENT      | JACOBSTOWE                            | R29D008 | 1A  | 1A 6.7        | 1A 7.7        | 1A 16.5             | 1A 86.0                       | 1B 3.3              | 1A 0.29                    | 1A 0.010                        | 1A 10.8                       | 1A 15                     | 1A 81                   |
| RIVER OKEMENT      | WOODMALL BRIDGE                       | R29D005 | 1A  | 1A 6.6        | 1A 7.7        | 1A 16.6             | 1A 86.8                       | 2 5.3               | 1A 0.26                    | 1A 0.010                        | 1A 10.8                       | 1A 19                     | 1A 79                   |
| RIVER OKEMENT      | IDDESLEIGH BRIDGE                     | R29D006 | 1A  | 1A 6.7        | 1A 7.7        | 1A 16.8             | 1A 88.2                       | 1B 4.4              | 1B 0.37                    | 1A 0.010                        | 1A 14.3                       | 1A 15                     | 1A 51                   |
| HOLE BROOK         | ABOVE MONKOKEHAMPTON STW              | R29D007 | 1B  | 1A 7.2        | 1A 8.1        | 1A 16.0             | 1B 76.8                       | 2 8.8               | 1A 0.22                    | 1A 0.010                        | 1A 22.2                       | 1A 13                     | 1A 32                   |
| BECKAMoor BROOK    | TERRIS BRIDGE                         | R29D052 | 1B  | 1A 6.9        | 1A 7.7        | 1A 15.1             | 1B 64.2                       | 1A 3.0              | 1A 0.30                    | 1A 0.010                        | 1A 11.2                       | 1A 6                      | 1A 11                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TORRIDGE**

| River              | Reach upstream of                     | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|--------------------|---------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                    |                                       |         |     | 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            |
| BRIGHTLEY STREAM   | BRIGHTLEY MILL                        | R29D025 | 3   | 3 4.5         | 1A 7.5        | 1A 17.3             | 1A 86.4                       | 2 6.3               | 2 1.47                     | 1A 0.010                        | 1A 11.2                       | 2 50                      | 3 1789                  |
| RED-A-VEN BROOK    | PRIOR TO WEST OKEMENT RIVER           | R29D028 | 1A  | 1A 5.6        | 1A 7.6        | 1A 16.5             | 1A 86.0                       | 1A 1.9              | 1A 0.02                    | 1A 0.010                        | 1A 1.6                        | 1A 5                      | 1A 66                   |
| RIVER LEW TORRIDGE | HOLE STOCK BRIDGE                     | R29C006 | 1B  | 1A 6.9        | 1A 7.7        | 1A 15.1             | 1A 81.4                       | 1A 2.0              | 1A 0.18                    | 1A 0.010                        | 1A 7.9                        | ND 0                      | ND 0                    |
| RIVER LEW TORRIDGE | BLOOMFORD                             | R29C025 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.7             | 1B 73.6                       | 1A 2.0              | 1A 0.17                    | 1A 0.010                        | 1A 8.8                        | ND 0                      | ND 0                    |
| RIVER LEW TORRIDGE | GREAT RUTLEIGH                        | R29C007 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.4             | 1B 66.0                       | 1A 2.2              | 1A 0.14                    | 1A 0.010                        | 1A 8.4                        | 1A 5                      | 1A 16                   |
| RIVER LEW TORRIDGE | HATHERLEIGH BR. ABOVE HATHERLEIGH STW | R29C008 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.6             | 1B 76.8                       | 1A 2.7              | 1A 0.15                    | 1A 0.010                        | 1A 7.8                        | ND 0                      | ND 0                    |
| RIVER LEW TORRIDGE | LEWER BRIDGE                          | R29C009 | 1B  | 1A 6.5        | 1A 7.8        | 1A 17.3             | 1B 72.8                       | 1A 2.8              | 1A 0.20                    | 1A 0.010                        | 1A 9.5                        | 2 50                      | 1A 50                   |
| PULWORTHY BROOK    | FURZEHILL                             | R29C021 | 1B  | 1A 7.0        | 1A 7.7        | 1A 16.1             | 3 31.3                        | 1B 4.7              | 1B 0.33                    | 1A 0.010                        | 1A 18.6                       | ND 0                      | ND 0                    |
| MEDLAND BROOK      | WATERHOUSE                            | R29C022 | 1B  | 1A 6.9        | 1A 7.7        | 1A 16.8             | 1B 69.3                       | 1A 2.4              | 1A 0.17                    | 1A 0.010                        | 1A 7.0                        | ND 0                      | ND 0                    |
| HOOKMOOR BROOK     | NARRACOTT FORD                        | R29C023 | 1B  | 1A 6.8        | 1A 7.7        | 1A 16.8             | 1B 77.5                       | 1A 2.4              | 1A 0.15                    | 1A 0.010                        | 1A 7.8                        | ND 0                      | ND 0                    |
| WAGAFORD WATER     | WAGAFORD BRIDGE                       | R29C024 | 1B  | 1A 6.9        | 1A 7.8        | 1A 17.0             | 1B 67.5                       | 1B 3.5              | 1A 0.22                    | 1A 0.010                        | 1A 17.2                       | ND 0                      | ND 0                    |
| NORTHLEW STREAM    | NORTHLEW                              | R29C026 | 1B  | 1A 6.7        | 1A 7.6        | 1A 16.8             | 1B 77.8                       | 1A 2.8              | 1A 0.28                    | 1A 0.010                        | 1A 6.9                        | ND 0                      | ND 0                    |
| MUSSEL BROOK       | WESTOVER                              | R29C038 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.0             | 1A 81.2                       | 1B 4.4              | 1B 0.32                    | 1A 0.010                        | 1A 16.7                       | ND 0                      | ND 0                    |
| WHITELEIGH WATER   | DIPPERMILL                            | R29C039 | 1B  | 1A 7.0        | 1A 7.9        | 1A 17.1             | 1B 78.4                       | 1B 3.2              | 1A 0.21                    | 1A 0.010                        | 1A 13.0                       | ND 0                      | ND 0                    |
| RIVER WALDON       | BERRIDON COTTAGE                      | R29C010 | 1B  | 1A 6.7        | 1A 7.8        | 1A 17.8             | 1A 82.3                       | 2 6.4               | 2 1.10                     | 1A 0.010                        | 1A 8.6                        | 1A 10                     | 1A 15                   |
| RIVER WALDON       | SUTCOMBE                              | R29C030 | 1B  | 1A 6.9        | 1A 7.7        | 1A 18.0             | 1A 84.5                       | 1B 4.6              | 1B 0.38                    | 1A 0.010                        | 3 29.0                        | 1A 11                     | 1A 15                   |
| RIVER WALDON       | WALDON BRIDGE                         | R29C011 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.2             | 1B 73.3                       | 2 5.2               | 1B 0.33                    | 1A 0.010                        | 1A 23.0                       | ND 0                      | ND 0                    |
| RIVER WALDON       | BERRY FARM                            | R29C042 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.8             | 1B 78.2                       | 2 5.9               | 1A 0.30                    | 1A 0.010                        | 1A 19.8                       | 1A 10                     | 1A 14                   |
| RIVER WALDON       | HENSCOTT BRIDGE                       | R29C012 | 1B  | 1A 6.9        | 1A 7.8        | 1A 17.5             | 1A 81.9                       | 2 6.6               | 1B 0.36                    | 1A 0.010                        | 1A 24.2                       | 2 50                      | 1A 50                   |
| COOKBURY STREAM    | BASON CROSS                           | R29C043 | 1B  | 1A 6.9        | 1A 7.7        | 1A 17.0             | 1B 70.0                       | 1B 4.8              | 1A 0.22                    | 1A 0.010                        | 1A 21.2                       | 1A 7                      | 1A 79                   |
| DIPPLE WATER       | DIPPLE BRIDGE                         | R29C013 | 1B  | 1A 6.8        | 1A 7.7        | 1A 16.2             | 1B 73.0                       | 1B 4.9              | 3 1.66                     | 1A 0.010                        | 1A 8.8                        | 1A 16                     | 1A 41                   |
| CRANFORD WATER     | CRANFORD                              | R29C046 | 1B  | 1A 6.9        | 1A 7.8        | 1A 16.4             | 1A 81.8                       | 1B 3.4              | 3 1.86                     | 1A 0.015                        | 1A 5.5                        | ND 0                      | ND 0                    |
| CRANFORD WATER     | LANEMILL BRIDGE                       | R29C044 | 1B  | 1A 7.1        | 1A 7.7        | 1A 16.5             | 1A 80.8                       | 1B 4.4              | 2 1.24                     | 1A 0.014                        | 1A 6.9                        | ND 0                      | ND 0                    |
| CLIFFORD WATER     | BITEFORD                              | R29C040 | 1B  | 1A 6.6        | 1A 7.6        | 1A 15.9             | 1A 82.2                       | 1B 3.8              | 1B 0.38                    | 1A 0.010                        | 1A 8.2                        | ND 0                      | ND 0                    |
| SECKINGTON WATER   | GORVIN                                | R29C041 | 1B  | 1A 6.5        | 1A 7.6        | 1A 15.8             | 1A 83.2                       | 1A 2.1              | 1B 0.37                    | 1A 0.010                        | 1A 5.8                        | ND 0                      | ND 0                    |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TAW**

| River                  | Reach upstream of                 | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|------------------------|-----------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                        |                                   |         |     | 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            |
| RIVER TAW              | A 30 BRIDGE AT STICKLEPATH        | R30C001 | 1B  | 1A 5.4        | 1A 7.7        | 1A 16.6             | 1A 90.0                       | 1A 1.9              | 1A 0.03                    | 1A 0.010                        | 1A 2.3                        | 1A 5                      | 1A 22                   |
| RIVER TAW              | RODEN MOOR                        | R30C002 | 1B  | 1A 6.8        | 1A 7.8        | 1A 16.3             | 1A 87.9                       | 1B 3.1              | 1A 0.09                    | 1A 0.010                        | 1A 9.7                        | ND 0                      | ND 0                    |
| RIVER TAW              | YEO FARM                          | R30C003 | 1B  | 1A 6.8        | 1A 8.1        | 1A 16.3             | 1A 81.9                       | 2 7.3               | 1A 0.25                    | 1A 0.010                        | 1A 21.2                       | ND 0                      | ND 0                    |
| RIVER TAW              | BONDLEIGH                         | R30C004 | 1B  | 1A 6.9        | 1A 8.1        | 1A 16.5             | 1A 87.6                       | 3 10.2              | 1B 0.49                    | 1A 0.010                        | 3 27.3                        | ND 0                      | ND 0                    |
| RIVER TAW              | TAW BRIDGE                        | R30C005 | 1B  | 1A 7.0        | 1A 8.2        | 1A 17.3             | 1A 86.7                       | 1B 4.7              | 1B 0.34                    | 1A 0.012                        | 1A 20.4                       | 1A 26                     | 1A 50                   |
| RIVER TAW              | HIGHER PARK                       | R30C006 | 1B  | 1A 7.0        | 1A 8.3        | 1A 16.0             | 1A 83.2                       | 1B 4.0              | 1A 0.19                    | 1A 0.010                        | 1A 21.4                       | ND 0                      | ND 0                    |
| RIVER TAW              | CHENSON                           | R30B001 | 1B  | 1A 7.2        | 1A 8.5        | 1A 18.7             | 1B 78.0                       | 1B 5.0              | 1A 0.24                    | 1A 0.010                        | 1A 14.0                       | 1A 6                      | 1A 10                   |
| RIVER TAW              | KERSHAM BRIDGE                    | R30B002 | 1B  | 1A 7.1        | 1A 8.1        | 1A 18.3             | 1B 79.8                       | 2 5.6               | 1A 0.22                    | 1A 0.010                        | 1A 23.6                       | 1A 7                      | 1A 9                    |
| RIVER TAW              | NEYNHAM BRIDGE                    | R30B003 | 1B  | 1A 7.1        | 1A 8.4        | 1A 18.6             | 1B 77.9                       | 1B 3.9              | 1A 0.19                    | 1A 0.016                        | 1A 13.2                       | 2 50                      | 1A 50                   |
| RIVER TAW              | KINGFORD                          | R30B004 | 1B  | 1A 7.2        | 1A 8.3        | 1A 18.5             | 1A 85.0                       | 1A 2.9              | 1A 0.17                    | 1A 0.010                        | 1A 11.4                       | 1A 6                      | 1A 18                   |
| RIVER TAW              | UMBERLEIGH                        | R30B015 | 1B  | 1A 7.1        | 1A 8.2        | 1A 19.0             | 1B 79.3                       | 1B 3.3              | 1A 0.15                    | 1A 0.010                        | 1A 15.8                       | 1A 7                      | 1A 17                   |
| RIVER TAW              | CHAPELTON FOOTBRIDGE              | R30B014 | 1B  | 1A 7.1        | 1A 8.2        | 1A 18.0             | 1A 86.0                       | 1B 3.5              | 1A 0.16                    | 1A 0.010                        | 1A 18.5                       | 1A 9                      | 1A 38                   |
| RIVER TAW              | NEW BRIDGE                        | R30B005 | 1B  | 1A 7.1        | 1A 8.2        | 1A 17.7             | 1A 81.5                       | 1B 3.1              | 1A 0.12                    | 1A 0.010                        | 1A 14.1                       | 1A 9                      | 1A 15                   |
| RIVER CAEN             | VELATOR BRIDGE                    | R30A002 | 1B  | 1A 7.1        | 1A 7.9        | 1A 15.8             | 1B 77.2                       | 2 5.2               | 1B 0.32                    | 1A 0.010                        | 1A 21.8                       | 1A 7                      | 1A 23                   |
| KNOWL WATER            | OLD RAILWAY BRIDGE VELATOR        | R30A006 | 1B  | 1A 7.5        | 1A 8.0        | 1A 16.7             | 1A 81.7                       | 1B 3.9              | 1A 0.20                    | 1A 0.010                        | 3 27.6                        | 1A 7                      | 1A 20                   |
| BRADIFORD WATER        | BLAKEWELL                         | R30A001 | 1B  | 1A 7.3        | 1A 7.9        | 1A 17.9             | 1A 84.4                       | 2 5.7               | 1A 0.25                    | 1A 0.010                        | 3 25.1                        | 1A 5                      | 1A 25                   |
| RIVER YEO (BARNSTAPLE) | BROCKHAM BRIDGE                   | R30H001 | 1A  | 1A 7.2        | 1A 7.8        | 1A 15.1             | 1A 88.8                       | 1A 2.4              | 1A 0.16                    | 1A 0.010                        | 1A 10.8                       | 1A 7                      | 1A 14                   |
| RIVER YEO (BARNSTAPLE) | COLLARD BRIDGE                    | R30H006 | 1A  | 1A 7.3        | 1A 8.0        | 1A 15.0             | 1A 91.2                       | 1A 2.2              | 1A 0.04                    | 1A 0.010                        | 1A 9.2                        | 1A 5                      | 1A 15                   |
| RYE STREAM             | WISTLANDPOUND RESERVOIR           | R30H008 | 1A  | 1A 7.2        | 1A 7.9        | 1A 19.0             | 1A 87.8                       | 1A 2.3              | 1A 0.11                    | 1A 0.010                        | 1A 2.5                        | 1A 8                      | 1A 49                   |
| RYE STREAM             | BRATTON FLEMING                   | R30H009 | 1A  | 1A 6.9        | 1A 7.8        | 1A 15.4             | 1A 90.2                       | 1A 2.5              | 1A 0.04                    | 1A 0.010                        | 1A 10.1                       | 1A 9                      | 1A 10                   |
| RYE STREAM             | LOXHORE CROSS                     | R30H004 | 1A  | 1A 7.0        | 1A 7.8        | 1A 15.0             | 1A 87.0                       | 1A 2.3              | 1A 0.16                    | 1A 0.010                        | 1A 10.0                       | 1A 5                      | 1A 11                   |
| RIVER VENN             | LANDKEY                           | R30A003 | 1B  | 1A 7.2        | 1A 8.1        | 1A 15.7             | 1B 84.2                       | 1B 4.9              | 1A 0.12                    | 1A 0.010                        | 3 25.3                        | 1A 48                     | 1A 84                   |
| RIVER VENN             | BISHOPS TAWTON                    | R30A004 | 1B  | 1A 7.2        | 1A 8.1        | 1A 16.0             | 1B 76.0                       | 2 5.1               | 1A 0.15                    | 1A 0.010                        | 3 45.6                        | 1A 18                     | 1A 685                  |
| LANGHAM LAKE           | LANGRIDGEFORD                     | R30B016 | 1B  | 1A 7.1        | 1A 7.8        | 1A 16.8             | 1A 84.0                       | 2 5.1               | 1A 0.25                    | 1A 0.010                        | 1A 11.9                       | 1A 5                      | 1A 28                   |
| LANGHAM LAKE           | LANGHAM BRIDGE                    | R30B006 | 1B  | 1A 7.0        | 1A 7.9        | 1A 16.6             | 1B 71.6                       | 1B 4.2              | 1A 0.11                    | 1A 0.010                        | 1A 15.3                       | 2 440                     | 1A 50                   |
| HAWKRIDGE BROOK        | HAWKRIDGE BRIDGE                  | R30B012 | 1B  | 1A 7.2        | 1A 7.9        | 1A 17.3             | 1A 82.6                       | 2 5.1               | 1A 0.27                    | 1A 0.010                        | 1A 19.9                       | 1A 6                      | 1A 10                   |
| RIVER MOLE             | NORTH MOLTON U/S NORTH MOLTON STW | R30F001 | 1B  | 1A 7.0        | 1A 7.8        | 1A 15.0             | 1A 81.0                       | 1B 3.4              | 1A 0.20                    | 1A 0.010                        | 1A 6.5                        | 1A 10                     | 1A 12                   |
| RIVER MOLE             | PARKHOUSE                         | R30F002 | 1A  | 1A 7.1        | 1A 7.9        | 1A 16.0             | 1A 85.0                       | 1B 3.7              | 1A 0.15                    | 1A 0.010                        | 1A 8.3                        | 1A 8                      | 1A 14                   |
| RIVER MOLE             | PRIOR TO RIVER YEO                | R30F003 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.6             | 1A 87.8                       | 1B 3.1              | 1A 0.21                    | 1A 0.010                        | 1A 8.7                        | 2 50                      | 1A 130                  |
| RIVER MOLE             | NEW BRIDGE                        | R30F004 | 1B  | 1A 7.1        | 1A 7.9        | 1A 16.6             | 1A 86.8                       | 1B 3.3              | 1A 0.17                    | 1A 0.010                        | 1A 11.6                       | 1A 20                     | 1A 39                   |
| RIVER MOLE             | MOLE BRIDGE                       | R30F005 | 1B  | 1A 7.1        | 1A 8.1        | 1A 16.6             | 1A 83.0                       | 1B 3.4              | 1A 0.11                    | 1A 0.010                        | 1A 11.3                       | 2 50                      | 1A 54                   |
| RIVER MOLE             | HEAD BARTON                       | R30F006 | 1B  | 1A 7.1        | 1A 7.8        | 1A 17.1             | 1A 85.0                       | 2 6.6               | 1A 0.16                    | 1A 0.010                        | 1A 9.1                        | 1A 7                      | 1A 20                   |
| RIVER BRAY             | CHALLACOMBE                       | R30G001 | 1A  | 1A 6.9        | 1A 7.8        | 1A 17.0             | 1A 83.5                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 4.1                        | 1A 12                     | 1A 12                   |
| RIVER BRAY             | LEENAM FORD                       | R30G011 | 1A  | 1A 6.8        | 1A 7.8        | 1A 16.6             | 1A 87.6                       | 1A 2.9              | 1A 0.05                    | 1A 0.010                        | 1A 9.2                        | 1A 14                     | 1A 22                   |
| RIVER BRAY             | BRAYFORD                          | R30G002 | 1A  | 1A 6.9        | 1A 7.8        | 1A 15.1             | 1A 85.8                       | 1A 2.3              | 1A 0.02                    | 1A 0.010                        | 1A 4.8                        | 1A 8                      | 1A 10                   |
| RIVER BRAY             | BRAYLEY BRIDGE                    | R30G003 | 1A  | 1A 7.2        | 1A 8.0        | 1A 15.1             | 1A 90.3                       | 1A 2.3              | 1A 0.03                    | 1A 0.010                        | 1A 5.4                        | ND 0                      | ND 0                    |
| RIVER BRAY             | RYE BRIDGE                        | R30G012 | 1A  | 1A 7.2        | 1A 8.2        | 1A 16.6             | 1A 93.0                       | 1A 2.4              | 1A 0.08                    | 1A 0.010                        | 1A 6.7                        | ND 0                      | ND 0                    |
| RIVER BRAY             | MEETHE BARTON                     | R30G004 | 1A  | 1A 7.2        | 1A 8.1        | 1A 16.2             | 1A 90.1                       | 1A 2.6              | 1A 0.06                    | 1A 0.010                        | 1A 6.8                        | 1A 5                      | 1A 13                   |
| NADRID WATER           | CLAPWORTHY                        | R30G013 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.9             | 1B 78.3                       | 2 5.7               | 2 1.09                     | 1A 0.010                        | 1A 8.5                        | 1A 5                      | 1A 17                   |
| RIVER MOLEWATER        | LINKLEYHAM BRIDGE                 | R30G005 | 1A  | 1A 7.0        | 1A 7.9        | 1A 15.2             | 1A 91.4                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 4.6                        | 1A 10                     | 1A 13                   |
| LITTLE SILVER STREAM   | ODAM BRIDGE                       | R30F010 | 1B  | 1A 7.0        | 1A 7.8        | 1A 15.9             | 1B 70.0                       | 2 5.1               | 1A 0.20                    | 1A 0.010                        | 1A 14.5                       | ND 0                      | ND 0                    |
| LITTLE SILVER STREAM   | ALSWEAR                           | R30F011 | 1B  | 1A 7.1        | 1A 8.0        | 1A 16.0             | 1B 77.3                       | 1B 4.4              | 1A 0.14                    | 1A 0.010                        | 1A 8.8                        | 1A 6                      | 1A 20                   |
| CROOKED OAK            | ASHMILL                           | R30F023 | 1B  | 1A 7.0        | 1A 8.0        | 1A 15.5             | 1B 80.9                       | 1B 4.0              | 1A 0.20                    | 1A 0.010                        | 1A 12.3                       | 1A 5                      | 1A 17                   |
| CROOKED OAK            | A.373 BRIDGE AT ALSWEAR           | R30F007 | 1B  | 1A 6.9        | 1A 7.8        | 1A 16.4             | 1B 74.0                       | 2 5.3               | 1A 0.10                    | 1A 0.010                        | 1A 17.0                       | 1A 5                      | 1A 24                   |
| RIVER YEO (MOLLAND)    | BOITREUX MILL                     | R30F008 | 1B  | 1A 7.1        | 1A 8.0        | 1A 15.3             | 1A 85.8                       | 1A 2.1              | 1A 0.15                    | 1A 0.010                        | 1A 7.8                        | 1A 5                      | 1A 9                    |
| RIVER YEO (MOLLAND)    | VERAB                             | R30F024 | 1B  | 1A 7.0        | 1A 8.0        | 1A 15.2             | 1A 89.1                       | 1A 2.1              | 1A 0.07                    | 1A 0.010                        | 1A 8.5                        | 1A 8                      | 1A 8                    |
| RIVER YEO (MOLLAND)    | GRILSTONE                         | R30F009 | 1B  | 1A 7.2        | 1A 7.9        | 1A 15.3             | 1B 77.3                       | 1B 3.6              | 1A 0.10                    | 1A 0.010                        | 1A 10.1                       | 1A 5                      | 1A 13                   |
| SHEEPWASH STREAM       | YEO FARM                          | R30F022 | 1A  | 1A 6.9        | 1A 7.9        | 1A 16.0             | 1A 88.2                       | 1A 2.4              | 1A 0.05                    | 1A 0.010                        | 1A 6.4                        | ND 0                      | ND 0                    |
| NORTH RADWORTHY STREAM | BARHAM BRIDGE                     | R30F033 | 1A  | 1A 6.8        | 1A 7.8        | 1A 15.0             | 1A 82.2                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 5.0                        | 2 23                      | 1A 42                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: TAW**

| River             | Reach upstream of                  | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-Ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|------------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                    |         |     | 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            |
| MULLY BROOK       | HANSFORD BRIDGE                    | R308007 | 1B  | 1A 7.0        | 1A 7.8        | 1A 16.3             | 1B 73.6                       | 1A 2.8              | 1A 0.14                    | 1A 0.010                        | 1A 8.1                        | 1A 13                     | 1A 49                   |
| HOLLOCOMBE WATER  | WOODROBERTS                        | R308008 | 1A  | 1A 6.9        | 1A 7.8        | 1A 15.5             | 1A 84.3                       | 2 6.0               | 1A 0.28                    | 1A 0.010                        | 1A 15.6                       | 1A 7                      | 1A 20                   |
| HOLLOCOMBE WATER  | BRIDGE REEVE                       | R308009 | 1A  | 1A 7.1        | 1A 7.9        | 1A 15.2             | 1B 79.6                       | 2 5.7               | 1A 0.20                    | 1A 0.010                        | 1A 29.8                       | 1A 6                      | 1A 6                    |
| LITTLE DART RIVER | NEW BRIDGE                         | R30E001 | 1B  | 1A 7.0        | 1A 7.9        | 1A 15.5             | 1A 81.0                       | 1A 2.6              | 1A 0.13                    | 1A 0.010                        | 1A 5.5                        | ND 0                      | ND 0                    |
| LITTLE DART RIVER | STONE MILL BRIDGE                  | R30E002 | 1B  | 1A 6.8        | 1A 7.9        | 1A 15.5             | 1A 85.3                       | 1B 4.3              | 1B 0.34                    | 1A 0.010                        | 1A 11.9                       | 1A 7                      | 1A 23                   |
| LITTLE DART RIVER | DART BRIDGE                        | R30E003 | 1B  | 1A 7.0        | 1A 7.8        | 1A 17.5             | 1B 75.6                       | 1B 3.5              | 1A 0.22                    | 1A 0.010                        | 1A 6.9                        | 1A 6                      | 1A 19                   |
| HUNTACOTT WATER   | CHULMLEIGH                         | R30E005 | 1B  | 1A 6.8        | 1A 7.9        | 1A 16.8             | 1A 84.2                       | 1B 4.9              | 1A 0.24                    | 1A 0.010                        | 1A 6.6                        | ND 0                      | ND 0                    |
| STURCOMBE RIVER   | BRADFORD TRACY                     | R30E006 | 1B  | 1A 6.8        | 1A 7.7        | 1A 16.2             | 1A 80.3                       | 1A 2.7              | 1A 0.12                    | 1A 0.010                        | 1A 6.8                        | 1A 7                      | 1A 20                   |
| RIVER YEO LAPFORD | BOW BRIDGE                         | R30D004 | 1B  | 1A 7.2        | 1A 8.0        | 1A 16.4             | 2 56.0                        | 1B 4.4              | 1A 0.27                    | 1A 0.010                        | 1A 11.9                       | ND 0                      | ND 0                    |
| RIVER YEO LAPFORD | ZEAL MONACHORUM                    | R30D012 | 1B  | 1A 7.2        | 1A 8.2        | 1A 16.8             | 1B 70.2                       | 1B 4.4              | 1A 0.30                    | 1A 0.010                        | 1A 15.2                       | 1A 11                     | 1A 17                   |
| RIVER YEO LAPFORD | BURY BRIDGE                        | R30D005 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.6             | 1B 63.6                       | 2 5.6               | 1B 0.35                    | 1A 0.010                        | 1A 14.7                       | ND 0                      | ND 0                    |
| RIVER YEO LAPFORD | NYMET BRIDGE                       | R30D006 | 1B  | 1A 7.1        | 1A 8.1        | 1A 17.0             | 1B 67.2                       | 1B 4.9              | 1B 0.46                    | 1A 0.010                        | 1A 18.2                       | 1A 8                      | 1A 24                   |
| RIVER DALCH       | MILL BARTON                        | R30D001 | 1B  | 1A 6.9        | 1A 7.8        | 1A 15.7             | 2 42.0                        | 2 5.4               | 1A 0.28                    | 1A 0.010                        | 1A 15.1                       | ND 0                      | ND 0                    |
| RIVER DALCH       | CANN'S MILL BRIDGE                 | R30D011 | 1B  | 1A 7.0        | 1A 8.3        | 1A 18.4             | 1B 64.2                       | 2 6.4               | 1B 0.35                    | 1A 0.010                        | 1A 11.2                       | 1A 10                     | 1A 14                   |
| RIVER DALCH       | PRIOR TO CONFLUENCE WITH RIVER YEO | R30D003 | 1B  | 1A 7.1        | 1A 8.3        | 1A 18.2             | 3 28.8                        | 4 36.1              | 3 9.87                     | 3 0.059                         | 3 141.2                       | 2 163                     | 1A 196                  |
| ASH BROOK         | A377 PRIOR TO RIVER YEO(LAPFORD)   | R30D013 | 1B  | 1A 6.9        | 1A 7.9        | 1A 16.8             | 3 37.2                        | 2 6.1               | 1B 0.51                    | 1A 0.010                        | 1A 14.2                       | 1A 9                      | 1A 269                  |
| SPIRE'S LAKE      | U/S NORTH TAWTON DAIRY             | R30C009 | 1B  | 1A 7.2        | 1A 8.1        | 1A 15.7             | 1B 75.9                       | 1B 3.4              | 1A 0.10                    | 1A 0.010                        | 1A 14.3                       | 1A 6                      | 1A 28                   |
| CROYDE STREAM     | CROWBOROUGH                        | R30A032 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.1             | 1B 73.4                       | 2 7.8               | 1B 0.50                    | 1A 0.010                        | 3 78.0                        | ND 0                      | ND 0                    |
| CROYDE STREAM     | FORDA                              | R30A031 | 1B  | 1A 7.7        | 1A 8.1        | 1A 16.5             | 1A 82.5                       | 2 6.1               | 1A 0.24                    | 1A 0.010                        | 3 32.4                        | ND 0                      | ND 0                    |
| CROYDE STREAM     | CROYDE                             | R30A028 | 1B  | 1A 7.6        | 1A 8.3        | 1A 17.5             | 1A 86.3                       | 1B 4.9              | 1B 0.43                    | 1A 0.010                        | 3 25.3                        | 1A 6                      | 1A 14                   |
| WOOLACOMBE STREAM | PRIOR TO BEACH                     | R3DA005 | 1A  | 1A 7.4        | 1A 8.0        | 1A 16.2             | 1A 87.0                       | 1A 2.4              | 1A 0.09                    | 1A 0.010                        | 3 27.0                        | 1A 8                      | 1A 31                   |

**NATIONAL RIVERS AUTHORITY - SOUTH WEST REGION**  
**1992 RIVER WATER QUALITY CLASSIFICATION**  
**CALCULATED DETERMINAND STATISTICS USED FOR QUALITY ASSESSMENT**  
**CATCHMENT: NORTH DEVON COAST AND LYN**

| River             | Reach upstream of                 | URN     | RQO | pH<br>(Lower) | pH<br>(Upper) | Temperature<br>(°C) | Dissolved<br>Oxygen<br>(%sat) | BOD (ATU)<br>(mg/l) | Total<br>Ammonia<br>(mg/l) | Un-ionised<br>Ammonia<br>(mg/l) | Suspended<br>Solids<br>(mg/l) | Total<br>Copper<br>(µg/l) | Total<br>Zinc<br>(µg/l) |
|-------------------|-----------------------------------|---------|-----|---------------|---------------|---------------------|-------------------------------|---------------------|----------------------------|---------------------------------|-------------------------------|---------------------------|-------------------------|
|                   |                                   |         |     | 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            |
| LEE STREAM        | PRIOR TO BEACH                    | R31A001 | 1B  | 1A 7.2        | 1A 7.9        | 1A 16.9             | 3 34.8                        | 3 12.1              | 2 1.33                     | 1A 0.010                        | 1A 14.1                       | 1A 8                      | 1A 14                   |
| WEST WILDER BROOK | LOWER SLADE RESERVOIR             | R31A015 | 1B  | 1A 7.3        | 1A 8.6        | 1A 20.1             | 1A 86.8                       | 1A 3.0              | 1A 0.22                    | 1A 0.010                        | 1A 4.6                        | 1A 7                      | 1A 10                   |
| WEST WILDER BROOK | PRIOR TO BEACH                    | R31A002 | 1B  | 1A 7.5        | 1A 8.0        | 1A 18.3             | 1A 91.0                       | 1B 4.6              | 1A 0.17                    | 1A 0.010                        | 1A 15.8                       | 1A 6                      | 1A 18                   |
| HELE STREAM       | PRIOR TO BEACH                    | R31A003 | 1B  | 1A 7.7        | 1A 8.2        | 1A 17.3             | 1A 85.6                       | 2 5.2               | 1A 0.11                    | 1A 0.010                        | 3 29.8                        | 1A 7                      | 1A 39                   |
| RIVER STERRIDGE   | PRIOR TO BEACH                    | R31A004 | 1B  | 1A 7.6        | 1A 8.1        | 1A 17.7             | 1A 85.6                       | 1A 2.9              | 1A 0.26                    | 1A 0.010                        | 1A 19.8                       | 1A 5                      | 1A 8                    |
| RIVER UMBER       | PRIOR TO BEACH                    | R31A005 | 1B  | 1A 7.8        | 1A 8.3        | 1A 16.8             | 1A 89.3                       | 1B 3.9              | 1A 0.17                    | 1A 0.010                        | 1A 14.9                       | 1A 8                      | 1A 15                   |
| RIVER HEDDON      | BELOW TRENTSHOE STREAM CONFLUENCE | R31A006 | 1B  | 1A 7.2        | 1A 8.0        | 1A 16.7             | 1A 92.0                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 6.5                        | 1A 7                      | 1A 12                   |
| WEST LYN RIVER    | LYN BRIDGE                        | R32A003 | 1A  | 1A 7.1        | 1A 7.9        | 1A 15.3             | 1A 80.8                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 3.2                        | 1A 8                      | 1A 14                   |
| BARBROOK          | DEAN ABOVE LYNTON STW             | R32A006 | 1A  | 1A 7.0        | 1A 7.8        | 1A 16.6             | 1A 90.0                       | 1A 2.1              | 1A 0.04                    | 1A 0.010                        | 1A 5.2                        | 2 48                      | 1A 48                   |
| EAST LYN RIVER    | LEEFORD                           | R32A001 | 1A  | 1A 7.2        | 1A 8.2        | 1A 17.0             | 1A 85.0                       | 1B 3.5              | 1A 0.04                    | 1A 0.010                        | 1A 2.5                        | ND 0                      | ND 0                    |
| EAST LYN RIVER    | LYNMOUTH                          | R32A002 | 1A  | 1A 7.3        | 1A 8.4        | 1A 17.0             | 1A 86.3                       | 1A 1.8              | 1A 0.03                    | 1A 0.010                        | 1A 2.6                        | 1A 5                      | 1A 13                   |
| FARLEY WATER      | WATERSMEET                        | R32A004 | 1A  | 1A 7.1        | 1A 7.9        | 1A 15.8             | 1A 91.1                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 2.3                        | 1A 5                      | 1A 6                    |
| BADGWORTHY WATER  | MALMSMEAD BRIDGE                  | R32A005 | 1A  | 1A 6.9        | 1A 8.1        | 1A 16.8             | 1A 88.2                       | 1A 2.0              | 1A 0.04                    | 1A 0.010                        | 1A 2.7                        | 1A 5                      | 1A 28                   |