

# Environmental Protection Draft Report

REGIONAL WATER QUALITY  
MONITORING AND SURVEILLANCE  
PROGRAMME FOR 1993

BIOLOGICAL ASSESSMENT OF  
RIVERS

February 1993  
FWS/93/001

Author: Dr JAD Murray-Bligh  
Assistant Scientist (Freshwater Biology)

C V M Davies  
Environmental Protection  
Manager



**NRA**

*National Rivers Authority  
South West Region*

REGIONAL WATER QUALITY MONITORING AND SURVEILLANCE PROGRAMME FOR 1993

BIOLOGICAL QUALITY ASSESSMENT OF RIVERS

INTERNAL REPORT FWS/93/001

SUMMARY

This report describes the biological river quality monitoring programme to be undertaken by NRA South West Region in 1993. 515 sites are to be surveyed during 1993. The regional programme is completed in two years and comprises approximately 950 sites covering 4230 km of river and 27 km of canal. Half the catchments are surveyed in any one year. The complete two-year programme matches the reaches monitored in the chemical monitoring programme. Additional sites are included so that all reaches that were assigned River Quality Objectives in the Asset Management Plan produced in 1989 are monitored. The following catchments are to be surveyed in full in 1993:

- Lim
- Exe
- Teign
- Dart
- Gara
- Avon
- Seaton
- Looe
- Fowey (lower sub-catchment only)
- Par
- Crinnis
- St Austell
- South Cornwall Streams
- Fal
- Helford
- Lizard Streams
- Land's End Streams
- Hayle
- Red and Coastal Streams
- Gannel
- Valency and Coastal Streams
- Strat/Neet
- Hartland Streams
- North Devon Coastal Streams
- Lyn

Twenty-two key sites throughout the region are sampled every year, to assess annual changes. Three sites are solely to monitor the impact of discharges from mushroom farms and are not used for river quality classification purposes.

Macro-invertebrates are sampled three times in the year: in Spring, Summer and Autumn. Habitat features and macrophytes are recorded once. In addition to an external quality audit of sample processing and identification, an internal laboratory quality control programme is to be introduced in 1993.

Dr JAD Murray-Bligh  
Assistant Scientist (Freshwater Biology)  
February 1993



CONTENTS

Page

SUMMARY.....i

LIST OF TABLES.....iv

LIST OF FIGURES.....v

1. INTRODUCTION TO THE 1992 BIOLOGICAL RIVER QUALITY MONITORING PROGRAMME.....1

1.1 Biological monitoring in the South West Region.....1

1.2 Aim of the routine biological river quality monitoring programme.....1

1.3 Objectives.....1

2. DESCRIPTION OF PROGRAMME.....3

2.1 Site location and survey design.....3

2.2 Survey description.....4

2.3 Analytical quality audit and quality control.....4

2.4 Data analysis and reporting.....6

3. PROGRAMME INFORMATION.....7

3.1 Summary of the routine biological river quality monitoring undertaken in 1992.....7

3.2 The routine biological river quality monitoring programme.....9

4 EXPLANATION OF SCHEDULE.....34

5 CHANGES TO THE ROUTINE BIOLOGICAL RIVER QUALITY MONITORING PROGRAMME.....40

6 CHANGES TO THE ROUTINE CHEMICAL RIVER QUALITY MONITORING PROGRAMME.....44

5 REFERENCES.....49

## LIST OF TABLES

	Page
3.1	Summary of the routine biological river quality monitoring programme for 1992.....8
3.2	The routine biological river quality monitoring programme.....10
4.1	Additional notes, referred to in Table 3.2.....36
5.1	Sites added to the biological monitoring programme for 1991.....41
5.2	Sites added to the biological monitoring programme for 1992.....41
5.3	Sites added to the biological monitoring programme for 1993.....41
5.4	Sites added to the biological monitoring programme for 1994/1995...42
5.5	Biological sites moved in 1992.....42
5.6	Biological sites deleted from the programme for 1991.....42
5.7	Biological sites deleted from the programme for 1992.....42
5.8	Biological sites deleted from the programme for 1993.....43
5.9	Biological sites deleted from the programme for 1994/1995.....43
5.10	Biological sites deleted from the programme for 1996/1997.....43
6.1	Chemical monitoring sites deleted from the programme and not replaced by new chemical sites in 1990.....45
6.2	Chemical monitoring sites deleted from the routine programme in 1991 and not replaced by new chemical sites.....46
6.3	Chemical monitoring sites deleted from the routine programme in 1992 and not replaced by new chemical sites.....46
6.4	Chemical monitoring sites deleted from the routine programme in 1993 and not replaced by new chemical sites.....46
6.5	Chemical monitoring sites replaced by new sites in 1990.....46
6.6	Chemical monitoring sites replaced by new sites in 1991.....46
6.7	Chemical monitoring sites replaced by new sites in 1992.....47
6.8	Chemical monitoring sites replaced by new sites in 1993.....47
6.9	Sites added to the chemical monitoring programme in 1991.....47
6.10	Sites added to the chemical monitoring programme in 1992.....47
6.11	Sites added to the chemical monitoring programme in 1993.....48

LIST OF FIGURES

	Page
2.1 Aquatic macrophyte check list for 1992/93.....	5

## 1. INTRODUCTION TO THE 1993 ROUTINE BIOLOGICAL RIVER QUALITY MONITORING PROGRAMME

This report describes NRA South West Region's routine biological river quality monitoring programme for 1993.

### 1.1 Biological monitoring in the South West Region

Since 1990, a biological river quality monitoring programme has been undertaken by NRA South West Region. This encompasses approximately 950 sites and covers more than 4230 km of river and approximately 27 km of canal. Each site is surveyed every other year. Macro-invertebrate samples are collected in each of three seasons, macrophyte and habitat data are recorded once. The invertebrate surveys form part of the NRA National Biological Survey programme.

### 1.2 Aim of the routine biological river quality monitoring programme

The aim of the routine biological river quality monitoring programme is to monitor the ecological quality of running waters in the South West Region. It provides information to enable more effective assessments of overall river quality (in particular water quality) to be made, and to provide information on the impact of environmental changes.

The surveys undertaken in 1990 and 1991 provided a baseline from which to compare conditions in the future. The surveys undertaken in 1992 and 1993 will be used to supplement the baseline data, and will provide information on the natural variability of the biotas.

The routine macro-invertebrate monitoring programme, and the new methods developed by the NRA that are described in this report, may become the basis of the United Kingdom's approach to implementing the forthcoming EC Ecological Directive. This directive will require ecological quality targets to be set for watercourses, and target dates for compliance to be specified.

### 1.3 Objectives

- A To provide information on the water quality of the region's rivers and the severity of water quality problems:
- information on the impact of water quality on the biota.
  - indications of pollution by substances not analyzed in the chemical monitoring programme
  - assessments of water quality in reaches that are not monitored chemically (approximately 60 smaller tributaries).
  - baseline information for assessing the impact of unforeseen situations, including pollution incidents, applications for consents to discharge, and major engineering and other development schemes.

- B To provide indications of:
- a longer-term changes in water quality (by analysis of annual data).
  - b short-term water quality problems (by rapid analysis of data shortly after collection).
- C To provide data for the Biological Classification of Ecological Quality to supplement the NWC Chemical Classification of the Region's rivers covering:
- ♦ reaches not monitored chemically
  - ♦ water quality other than sanitary quality
  - ♦ chronic as opposed to acute water quality problems
- D To provide information for the 1992 NRA National Biological Survey (1992/1993 in South West Region), for the assessment of ecological quality of rivers in England and Wales, including:
- information for determining the 'normal range of biological conditions' as baseline data for the NRA Biological Classification, and to enable significant deviations from the normal range of biological conditions to be identified in the future.
  - data for developing RIVPACS.
- E To provide information on the ecological quality of the region's rivers to:
- enable the conservation value of the region's rivers to be evaluated, by providing assessments of:
    - biological richness (diversity);
    - deviation of the fauna from the pristine state;
  - provide information to assess the degree and extent of habitat degradation or improvement in all the region's rivers;
  - provide data to supplement strategic habitat surveys of main rivers.
- F To provide data to support regional operational investigations:
- operational investigation into the quality of the River Carnon following the Wheal Jane incident. Catchment 19E was surveyed in 1992 and 1993.
  - operational investigation into the effect of droughts. Following consultant's recommendations Halcrow (1990a, 1990b), 22 key sites are being surveyed every year. These sites are also used to monitor annual changes and provide better information on the natural variability of the biota.

## 2. DESCRIPTION OF THE PROGRAMME

Considerable effort has been made to ensure comparability between samples, and compatibility with the National Surveys.

### 2.1 Site location and survey design

There are approximately 950 routine biological river quality monitoring sites throughout the Region. There are insufficient staff resources in the South West Region to complete the whole programme in one year (as required for the 1992 and previous National Biological Surveys), so a two year rolling programme has been instigated. Each site is surveyed every other year. In addition, 22 key sites representing the main types of streams found in the South West are investigated every year to provide information on annual changes and the effect of droughts. 515 sites are to be surveyed during 1993.

Each site represents either a reach of river monitored in the routine chemical water quality monitoring programme (see NRA 1992a), or a watercourse not monitored chemically but which was assigned a Water Quality Objective in the South West Water Asset Management Plan (South West Water Authority, 1989).

The biological monitoring sites are as close as possible to their corresponding chemical monitoring sites, or at the downstream end of watercourses that are not monitored chemically. The biological monitoring sites are located away from artificial influences such as bridges, livestock watering holes and canalized reaches, wherever possible. Each biological site has been chosen so that it is typical of the reach as a whole: if the reach is mainly deep and slow flowing, the site is located where the river is deep and slow flowing. This is a major departure from previous biological monitoring practice, where shallow riffles are chosen in preference. It reflects the fact that the programme has been designed to monitor ecological quality as opposed to solely water quality, although water quality is a major component of ecological quality. The precise location of the sampling sites could only be chosen after a field reconnaissance. An additional criterion for the choice of site location was that, wherever possible, the sites were the same as those used in the 1980 National River Quality Survey. The South West Region was fortunate in being one of the few NRA Regions that had kept the original biological records from that survey, enabling most of the sites to be identified. The criteria for locating sites are described in more detail in Furse et al. (1986), and a training video (National Rivers Authority, 1990).

In 1990 and 1991, the programme was split so that at least one site was investigated on each of the main rivers and larger tributaries in each of those years. For 1992-1993 the programme has been split on a whole catchment basis (see Table 3.1).

The consequences of not covering all sites each year are:

- short term water quality problems can be detected in only half the region's reaches in any one year;
- baseline data will take twice as long to collect as in other NRA



Regions, so it is likely that biological classifications will be less precise or reliable in the South West Region, because less baseline data will have been collected when revisions are made;

- biological classifications, and biological data to supplement the chemical water quality classifications are only available for half the region's rivers in any year.

## 2.2 Survey description

Macro-invertebrates are sampled three times in the year: in Spring, Summer and Autumn, using standard NRA sampling protocols for routine samples (3 minute kick plus 1 minute search with a pond-net, or in deep water, three to five throws of a medium Naturalists' dredge). Standard NRA sample processing methods are used.

Site details including stream width, depth, and substrate characteristics, are recorded with every macro-invertebrate sample. This is to enable RIVPACS to be used to predict the nature of the invertebrate fauna that would be expected if the site was unpolluted, and for the data to be analyzed using the standard NRA methods. Biotic indices including BMWP-score, ASPT and number of families (N-fams) are compared to those predicted by RIVPACS to enable Ecological Quality Indices (EQIs) to be calculated, these being the ratio of observed to predicted values. The overall NRA Biological Classification based on a combination of all three EQIs.

The field survey methods have been described in more detail in Furze et al. (1986), and in a training video (National Rivers Authority, 1990).

Habitat features in 100 m stretches, centred on the macro-invertebrate sampling site, are mapped using standard symbols based on the NRA river corridor survey methods (see National Rivers Authority, 1992b). These maps are to help interpret changes in the biota, so that the effects of habitat change may be differentiated from changes owing to altered water quality, and they also provide data for conservation assessment as fixed transects to support strategic habitat surveys. A single map is drawn each year that the site is visited. Photographs are taken where marked differences are noted from previous surveys.

The presence of a range of macrophytes are recorded in the 100 m stretch, centred on the macro-invertebrate sampling site, see figure 2.1. The coverage of mosses was enhanced for 1992-1993, as these are particularly useful on upland soft waters. The macrophyte data is to be linked to water quality. The method for doing this described by the Standing Committee of Analysts (1987) does not seem to be appropriate in this region, it will be tested against alternative indices.

## 2.3 Analytical quality audit and quality control

The macro-invertebrate component of the routine biological river quality monitoring programme has been subject to an independent quality audit since 1990. This audit is undertaken for all NRA regions as well as Scottish River Purification Boards, and the Department of the Environment in Northern Ireland.



The quality audit for 1993 had not been finalised at the time of writing this report, pending national guidelines. It is likely to be identical to that undertaken in 1992. In 1992, sixty samples from NRA South West Region were re-sorted and identified by the Institute of Freshwater Ecology (IFE) to audit the quality of the sample sorting and the identification of the macro-invertebrates. The methods and results of previous audits are recorded in Gunn et al. (1991), Gunn et al. (1992) and Kinley and Ellis (1991).

Internal laboratory quality control for invertebrate sample processing is to be introduced in 1993. A similar number of samples are to be re-analysed as in the external audit. Unlike the external audit, the quality control programme is to maintain quality in each laboratory rather than to estimate the quality of the survey as a whole.

#### 2.4 Data analysis and reporting

The computer analysis of the macro-invertebrate data is undertaken centrally by the Biological Section of NRA Thames Region and the Planning Section at NRA Anglian Region. The biological data is entered onto the South West Region's macro-invertebrate biological archive (based on the Thames Region Biology System database), from which it will be transferred to NRA Thames Region on a disk for entry into the national biological database.

Central data processing ensures that all the statistics and biological classifications are undertaken in the same way, using the same algorithms. Having all the biological data on a single database enables the biological quality of the Region's rivers to be compared to those of other regions. It also enables developments in RIVPACS and the NRA Biological Classification to be applied retrospectively. Central data processing also reduces costs.

A simple computer database has been developed for the macrophyte data, and data from 1991 and 1992 is being entered into it. The procedures for evaluating and reporting this information have not been finalised.

For both the macro-invertebrate and habitat data, the 1992-1993 Survey is the first for which previous data (collected in the 1990-1991 Survey) exists. The 1992-1993 Survey is the first in which changes in conditions can be assessed, although there may not be sufficient baseline data to determine the significance of any changes observed. Unfortunately, river flows were low in 1990 and 1991 and in some places there was a drought, so data from the first survey may be atypical.

The results of the survey will be reported early in the following year. This will include the NRA Biological Classification for 1993. 'Weekly' reports of the results from samples processed in the preceding week will be produced to enable information on deteriorations and improvements to be disseminated and used within the Region as soon as it is available. The format of the 'Weekly' reports has been improved and more fully automated for 1993.

It is hoped that summaries of the results will be produced at the end of each season, based on colour-coded maps of each catchment. Whereas the weekly reports are aimed at operational staff such as biologists, wardens and pollution inspectors, the seasonal summaries will be aimed at both operational staff and water quality managers.

3 PROGRAMME INFORMATION

3.1 Summary of the routine biological river quality monitoring undertaken in 1993

See Table 3.1

Table 3.1 Summary of the routine biological river quality monitoring programme for 1993

Catchment		Number of sites to be monitored in 1993	
Code	Name	river quality monitoring sites	discharge impact monitoring sites
1	Lim	2 *	
2	Axe	3	
4	Otter	0	
5	Exe	108 *	
6	Teign	49 *	
7	Dart	35 *	
8A	Gara	9 *	
8B	Avon	10 *	
9	Erme	3	
10	Yealm	0	
11	Plym	1	
12B 12C 12D	Tavy	1	
12E - 12P	Tamar	3	
12Q 12R	Lynher	0	
13	Seaton	7 *	
14	Looe	18 *	
15	Fowey	4 (*lower sub-catchment only)	
16	Par	19 *	
17	Crinnis	5 *	
18	St Austell	9 *	
18	South Cornwall Streams	9 *	
19A - 19E	Fal	58 *	
19A	Helford	12 *	
19A	Lizard Streams	9 *	
20	Cober	3	
21	Land's End Streams	21 *	
22	Hayle	18 *	
23	Red and Coastal Streams	33 *	
24	Gannel	12 *	
25A	Menalhyl and Coastal Streams	0	
25B - 25D	Camel	0	
26	Valency and Coastal Streams	7 *	
27	Strat/Neet	15 *	
28	Hartland Streams	3 *	
29	Torrige	7	1
30	Taw	3	2
31	North Devon Coastal Streams	7 *	
32	Lyn	8 *	
Total		515	3

Note: asterisks indicate whole catchments to be surveyed in 1993, to complete the two year biological monitoring programme of the region for 1992/93. Remaining sites are key sites monitored annually.

3.2 The routine biological river quality monitoring programme

See Table 3.2

Table 3.2

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH  
(preceded by first draft only)

BIOMON1991.W20

10 February 1993

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH			SITE CODE		YEAR				BIOLOGICAL SITE		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	
LIM - 1A	Lim	Mill Green at Lyme Regis	R01A002	SY 3400 9253	002	0101	R	90		93	SY 3400 9253	25m u/s br Mill Green	
LIM - 1A	Harcombe Stream					0102	RC		91	93	SY 3330 9333	5m u/s br prior to STW	
AXE - 2A	Branscombe Stream	Branscombe Mouth	R02A001	SY 2070 8819		0201	RZ				SY 2068 8820	25m u/s pylons Branscombe Mout	Note H
AXE - 2A	Branscombe Stream	Branscombe Mouth	R02A001	SY 2070 8819		0244	R			92	SY 2056 8830	Branscombe 5 m d/s STW fence	* Note H
AXE - 2B	Axe	Slymlakes	XXXX R02B021	SY 2800 9670			X						Note F
AXE - 2B	Axe	Whitford Bridge	R02B001	SY 2623 9538		0230	R		91	92	SY 2645 9555	300m u/s Whitford Bridge	
AXE - 2B	Axe	d/s Whitford Bridge abst	XXXX R02B012	SY 2620 9520			X						
AXE - 2B	Axe	Axe Bridge	R02B002	SY 2593 9269	005	0202	RD	90	92	93	SY 2611 9463	100m d/s footbr Munford Dairy	Note I
AXE - 2B	Axe	Axe Bridge	R02B002	SY 2593 9269		0203	R	90	92	93	SY 2593 9265	50m u/s Axe Bridge	* Note I
AXE - 2B	Bulmoor Stream					0231	RC		91	92	SY 2633 9533	100m u/s Whitford Bridge	
AXE - 2B	Bruckland Stream	u/s Masbury House	R02B011	SY 2706 9195		0246	R		92	93	SY 2705 9295	u/s Masbury House d/s footbr	* Note D
AXE - 2B	Umbourne Brook	Triffords Farm	R02B007	SY 2238 9943		0205	R	90	92		SY 2232 9946	25m u/s Triffords Farm br	
AXE - 2B	Umbourne Brook	Umbourne Bridge	R02B008	SY 2485 9425	010	0204	R	90	92		SY 2485 9430	75m u/s Coly confluence	
AXE - 2B	Offwell Brook	Offwell 100m d/s confl	R02B009	SY 1928 9876		0206	R	90	92		SY 1930 9874	100m d/s Offwell footbridge	
AXE - 2B	Offwell Brook	Roadpitt Farm	R02B010	SY 2150 9532		0207	R	90	92		SY 2148 9534	25m u/s br Road Pitt Farm	
AXE - 2B	Coly	Woodbridge	R02B003	SY 1888 9532		0208	R	90	92		SY 1885 9533	20m u/s Woodbridge	
AXE - 2B	Coly	Brinkley Bridge	XXXX R02B004	SY 2135 9515		0209	X	90			SY 2125 9514	75m u/s Brinkley Bridge	Note A
AXE - 2B	Coly	Heathayne Farm	R02B005	SY 2355 9430	009	0210	R	90	92		SY 2342 9437	150m u/s ford (10m u/s footbr)	
AXE - 2B	Coly	Colyford	R02B006	SY 2535 9270		0211	R	90	92		SY 2535 9268	60m u/s bridge Colyford	
AXE - 2C	Axe	A3066 Bridge Mosterton	R02C001	SY 4573 0526		0232	R		91	92	SY 4568 0575	20m d/s A3066 br Mosterton	
AXE - 2C	Axe	Seaborough	R02C002	SY 4296 0574	004	0212	R	90	92		SY 4295 0570	30m d/s Seaborough Bridge	
AXE - 2C	Axe	Clapton Bridge	R02C003	SY 4130 0630		0245	R			92	SY 4138 0632	25m u/s br Clapton	* Note J K
AXE - 2C	Axe	Clapton Bridge	R02C003	SY 4130 0630		0213	RZ	90			SY 4035 0603	Oathill Farm Weycroft	Note J K
AXE - 2C	Axe	Forde Bridge	R02C004	SY 3622 0535		0233	R		91	92	SY 3626 0514	60m u/s Forde Bridge	
AXE - 2C	Axe	Broom	R02C005	SY 3263 0248	003	0214	R	90	92		SY 3263 0248	25m u/s br Broom	
AXE - 2C	Axe	A358 Bridge Weycroft	R02C006	SY 3073 0001		0215	R	90	92		SY 3075 0002	75m u/s A358 br Weycroft	
AXE - 2C	Axe	Bow Bridge	R02C007	SY 2901 9823		0234	R		91	92	SY 2902 9833	125m u/s Bow Bridge	
AXE - 2C	Old Park Brook					0235	RC		91	92	SY 2909 9798	50m u/s Axe confl	
AXE - 2C	Mill Brook					0236	RC		91	92	SY 2965 9921	20m u/s Axe confl	Note L
AXE - 2C	Chapplecroft Brook					0237	RC		91	92	SY 3045 0010	110m u/s Axe confl	* Note M
AXE - 2C	Smallridge Stream					0238	RC		91	92	SY 3088 0037	25m u/s rail br prior to Axe	
AXE - 2C	Stamery Stream					0239	RC		91	92	SY 3202 0100	50m u/s Axe confl	
AXE - 2C	Hewood Stream					0240	RC		91	92	SY 3462 0498	40m u/s Axe confl	Note N
AXE - 2C	Clapton Stream	Clapton Dairy Farm	R02C017	SY 4162 0715		0216	R	90	92		SY 4162 0718	50m u/s rd br u/s Clapton	
AXE - 2C	Drimpton Stream	Netherhay	R02C009	SY 4165 0548		0217	R	90	92		SY 4165 0542	20m u/s Netherhay Ford	
AXE - 2C	Synderford	Beere Farm	R02C014	SY 3775 0573		0218	R	90	92		SY 3776 0573	20m u/s footbridge Beere Farm	
AXE - 2C	Whetley Stream	Ammerham	R02C015	SY 3650 0556		0219	R	90	92		SY 3648 0556	30m d/s railway bridge Ammerham	
AXE - 2C	Porton Brook	B3162 Bridge Porton	R02C010	SY 3401 0730		0220	R	90	92		SY 3403 0709	50m u/s B3162 rd br	
AXE - 2C	Porton Brook	Tatworth	R02C011	SY 3368 0685	001	0221	R	90	92		SY 3375 0463	100m d/s Tatworth STW	
AXE - 2C	Blackwater River	Buddlewall	R02C008	SY 3308 0220		0222	R	90	92		SY 3301 0217	50m u/s br Buddlewall	
AXE - 2C	Kit Brook	Narforde	R02C012	SY 2961 0629		0241	R		91	92	SY 2958 0628	10m u/s br Narforde	
AXE - 2C	Kit Brook	Axe Farm	R02C013	SY 3199 0162		0223	R	90	92		SY 3194 0167	25m u/s road bridge Axe Farm	
AXE - 2C	Temple Brook	Oathill Bridge	R02C018	SY 4072 0590		0242	R		91	92	SY 4072 0587	20m u/s Oathill br	
AXE - 2C	Whatley Stream	Potwell Farm	R02C016	SY 4474 0487		0224	R	90	92		SY 4469 0493	25m u/s road bridge Potwell Pa	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE			YEAR				BIOLOGICAL SITE	NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92			93
AXE - 2D	Yarty	Newhaven Bridge	R02D003	ST 2588 1098	006	0225 R	90		92		ST 2587 1103	100m u/s Newhaven Bridge	
AXE - 2D	Yarty	Longbridge	R02D004	ST 2551 0551		0243 R		91	92		ST 2552 0551	15 u/s Longbridge	
AXE - 2D	Yarty	Beckford Bridge	R02D005	ST 2652 0150		0227 R	90		92		ST 2650 0158	100m u/s Beckford br	
AXE - 2D	Yarty	A35 Bridge, Gammons Hill	R02D006	SY 2815 9801	007	0226 R	90		92		SY 2813 9812	100m u/s A35 br Gammons Hill	
AXE - 2D	Corry Brook	Rose Farm	R02D001	ST 2420 0239		0228 R	90		92		ST 2421 0244	40m u/s rd br Rose Farm	
AXE - 2D	Corry Brook	Prior to River Yarty	R02D002	SY 2808 9820	008	0229 R	90		92		SY 2684 9908	100m u/s rd br Old Corryton	
SID - 3A	Sid	Stoney Bridge Sidbury	R03A001	SY 1400 9165		0303 R		91	93		SY 1402 9168	75m u/s Stoney br Sidbury	
SID - 3A	Sid	A3052 Bridge Sidford	R03A002	SY 1375 8995	011	0301 R	90		93		SY 1375 8995	20m u/s A3052 br Sidford	
SID - 3A	Sid	Sidmouth	R03A003	SY 1280 8780		0302 R	90		93		SY 1280 8812	25m u/s footbr Sidmouth 300m u	
SID - 3A	Roncombe Stream	Cotford	R03A013	SY 1423 9222		0304 R		91	93		SY 1425 9222	15m u/s br Cotford	
OTTER - 4B	Ottar	Hoemore Farm	R04B001	ST 2210 1035		0401 R	90		92		ST 2212 1040	50m u/s br Hoemore Farm	
OTTER - 4B	Ottar	Rawridge	R04B042	ST 1983 0625		0412 R		91	92		ST 1983 0627	45m u/s footbr Rawridge	
OTTER - 4B	Ottar	Monkton	R04B035	ST 1836 0306	012	0402 R	90		92		ST 1850 0310	200m u/s Ford Bridge	
OTTER - 4B	Ottar	Clapperlane Bridge	R04B002	ST 1633 0120		0413 R		91	92		ST 1638 0123	70m u/s Clapperlane br	
OTTER - 4B	Ottar	Cottarson Farm	XXXX R04B014	ST 1480 0075		X							Note F
OTTER - 4B	Ottar	Weston	R04B003	ST 1430 0009	013	0403 R	90		92		ST 1422 0006	50m d/s bridge Weston	
OTTER - 4B	Ottar	Fenny Bridges	R04B019	SY 1148 9858		0414 R		91	92		ST 1145 9870	150m u/s br Fenny Bridges	
OTTER - 4B	Ottar	B3176 Bridge Ottery St Mary	R04B004	SY 0935 9606		0404 R	90		92		SY 0937 9607	50m u/s br Ottery St Mary	
OTTER - 4B	Ottar	Tipton St John	R04B005	SY 0901 9180		0405 R	90		92		SY 0895 9196	200m u/s br Tipton St John	
OTTER - 4B	Ottar	Dotton Mill	R04B006	SY 0873 8853		0415 R		91	92		SY 0873 8853	50m u/s footbr Dotton Mill	
OTTER - 4B	Ottar	Otterton	R04B007	SY 0791 8529	014	0406 R	90		92		SY 0790 8524	25m d/s Otterton br	
OTTER - 4B	Wick Stream	Mill House Nursery	R04B010	ST 1689 0288		0407 R	90		92		ST 1685 0293	100m u/s fa br Mill House Nurs	
OTTER - 4B	Gisage	prior to River Ottar	R04B023	ST 1533 0115		0408 R	90		92		ST 1528 0117	20m Otter confluence	
OTTER - 4B	Wolf	Winniford Farm	R04B011	ST 1433 0057		0409 R	90		92		ST 1432 0060	30m u/s rd br Winniford	
OTTER - 4B	Tale	Danes Mill	R04B008	ST 0762 0329		0426 R			92		ST 0758 0340	Danes Mill 25m u/s garden gate	Note O
OTTER - 4B	Tale	Danes Mill	R04B008	ST 0762 0329		0410 RZ	90				ST 0755 0335	50m u/s bridge Danes Mill	Note O
OTTER - 4B	Tale	Taleford	R04B009	SY 0899 9688	015	0411 R	90		92		SY 0895 9689	25m d/s br Taleford	Note P
OTTER - 4B	Talaton Stream	Talaton STW	XXXX R04B020	SY 0765 9855		Eu	90	91	92				*
OTTER - 4B	Talaton Stream	Talaton STW	XXXX R04B020	SY 0765 9855		Ed	90	90	92				*
OTTER - 4B	Fairoak Stream	Upottery	R04B020	ST 1994 0778		0416 RC		91	92		ST 1994 0778	30m u/s br Upottery	Note A R
OTTER - 4B	Odle Brook	Spurtham Farm	R04B021	ST 1946 0630		0417 RCZ	91				ST 1925 0640	10m u/s track Spurtham Farm	* Note A S
OTTER - 4B	Odle Brook	Spurtham Farm	R04B021	ST 1946 0630		0427 RC			92		ST 1977 0619	20m u/s Otter confl	* Note A S
OTTER - 4B	Combe Raleigh Stream	Longwood	R04B022	ST 1633 0173		0418 RC	91		92		ST 1630 0175	50m u/s farm Ford Longwood	Note A
OTTER - 4B	Gittisham Stream	d/s Pomeroy	R04B024	SY 1343 9900		0419 RC		91	92		SY 1343 9913	10m d/s top of field d/s Pomeroy	Note A
OTTER - 4B	Vine Water	Feniton	R04B025	SY 1108 9914		0420 RC	91		92		SY 1108 9914	25m d/s Feniton signpost Fenit	Note A
OTTER - 4B	West Hill Stream	Salston Barton	R04B026	SY 0885 9456		0421 RC	91		92		SY 0883 9455	25m u/s br Salston Barton	Note A
OTTER - 4B	Fluxton Stream	Fluxton	R04B027	SY 0868 9283		0422 RC	91		92		SY 0863 9283	40m u/s br Fluxton	Note A
OTTER - 4B	Matcombe Stream	Matcombe	R04B028	SY 0818 9190		0423 RC	91		92		SY 0797 9197	20m u/s br Matcombe	Note A
OTTER - 4B	Colaton Raleigh Stn	Pophams	R04B032	SY 0723 8768		0424 RC	91		92		SY 0718 8767	15m u/s br Pophams	Note A Q
OTTER - 4B	Knowle Brook	Squabmoor Reservoir	R04B041	SY 0400 8393		L							
OTTER - 4B	Budleigh Brook	Yettington	R04B034	SY 0538 8569		0425 RC		91	92		SY 0527 8570	20m u/s br Yettington	Note A
EXE - 5A	Northbrook	Northbrook Park	R05A026	SX 9389 9057		0500 R	90		93		SX 9403 9080	150m u/s rd br Northbrook Park	
EXE - 5A	Exeter Canal	A38 Bridge Countess Wear	R05A006	SX 9401 8942		0501 R	90		93		SX 9395 8940	30m u/s A38 br Countess Wear	



Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, & 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	SITE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES
			URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	
EXE - 5A	Kenn	A38 Bridge Kennford	R05A001	SX 9132 8662	0502	R	90		91	SX 9117 8663	A38br Kennford	50m u/s footbr	
EXE - 5A	Kenn	Powderham Castle	R05A002	SX 9660 8343	089	0503	R	90	93	SX 9527 8463	20m u/s A379 br u/s Kenton		
EXE - 5A	Alphin Brook	Dymonds Bridge	R05A003	SX 8672 9287	0565	R		91	93	SX 8671 9288	10m u/s Dymond's Bridge		
EXE - 5A	Alphin Brook	Footbridge Alphington	R05A004	SX 9122 9030	088	0504	R	90	93	SX 9130 9040	30m d/s footbr Alphington u/s		
EXE - 5A	Alphin Brook	Countess Wear Bridge	R05A005	SX 9399 8938	0505	R	90		93	SX 9387 8948	150m u/s Countess Wear Br		
EXE - 5A	Polly Brook	Exton	R05A029	SX 9833 8629	0566	R		91	93	SX 9836 8627	200m d/s A376 br Exton		
EXE - 5A	Dawlish Water	Dawlish	R05A027	SX 9628 7667	0507	RZ	90		93	SX 9565 7673	20m d/s footbridge cor park	DeNote T	
EXE - 5A	Dawlish Water	Dawlish	R05A027	SX 9628 7667	05105	R		91	93	SX 9548 7679	30m u/s footbr Brook House	Note T	
EXE - 5A	Grindle Brook	Winslade Park	R05A028	SX 9751 9033	0506	R	90		93	SX 9770 9019	40m d/s weir Winslade Park		
EXE - 5B	Clyst	Clyst Hydon	R05B001	ST 0363 0156	0508	R	90		93	ST 0363 0158	30m u/s bridge Clyst Hydon		
EXE - 5B	Clyst	Clyst St Lawrence	R05B002	ST 0275 0003	0567	R		91	93	ST 0273 0005	15m u/s br Clyst St Lawrence		
EXE - 5B	Clyst	Ashcliyat Farm	R05B003	SY 0105 9833	036	0509	R	90	93	SY 0115 9830	50m u/s rd br Ashcliyat Farm		
EXE - 5B	Clyst	A38 Bridge Broadclyst	R05B004	SX 9842 9760	0510	R	90	93	93	SX 9843 9760	20m u/s A38 br Broadclyst		
EXE - 5B	Clyst	Withy Bridge	R05B005	SX 9752 9570	0511	R	90	93	93	SX 9748 9580	100m u/s Withy Bridge		
EXE - 5B	Clyst	A30 Bridge Clyst Honiton	R05B006	SX 9850 9347	035	0512	R	90	93	SX 9860 9357	150m u/s rd br Clyst Honiton		
EXE - 5B	Clyst	Clyst St Mary	R05B007	SX 9722 9170	0568	R		91	93	SX 9728 9165	50m u/s field br Clyst St Mary		
EXE - 5B	Aylesbeare Stream	Aylesbeare STW	XXXX	SY 0358 9186					Ed	90 91 92			
EXE - 5B	Aylesbeare Stream	Aylesbeare STW	XXXX	SY 0358 9186					Ed	90 91 92			
EXE - 5B	Aylesbeare Stream	Dymonds Farm	R05B013	SX 9867 9267	0569	R		91	93	SX 9883 9260	175m u/s br Dymonds Farm		
EXE - 5B	Cranny Brook	Yellands	R05B008	SY 0590 9788	05109	R			93				Note D
EXE - 5B	Cranny Brook	Barnshayes	R05B009	SY 0378 9710	0513	R	90	93	93	SY 0382 9710	50m u/s field br Barnshayes		
EXE - 5B	Cranny Brook	Crannaford Crossing	R05B010	SX 0133 9599	0514	R	90	93	93	SY 0135 9600	75m u/s bridge Crannaford Cros		
EXE - 5B	Cranny Brook	Wishford Farm	R05B011	SX 9905 9545	034	0515	R	90	93	SX 9919 9527	100m u/s rd br Wishford Farm		
EXE - 5B	Pin Brook	Mosshayne	R05B012	SX 9813 9437	0570	R		91	93	SX 9812 9435	15m u/s br Mosshayne		
EXE - 5B	Ford Stream	A30 Bridge	R05B014	SY 0090 9525	0571	R		91	93	SY 0091 9526	20m u/s A30 br		
EXE - 5C	Culm	Rosemary Lane Clayhidon	R05C002	ST 1600 1408	0516	R	90		93	ST 1605 1408	50m u/s br Rosemary Lane		
EXE - 5C	Culm	Hemyock	R05C003	ST 1385 1395	0572	R		91	93	ST 1388 1391	20m u/s br Hemyock		
EXE - 5C	Culm	Culmstock	R05C004	ST 1012 1372	0517	R	90	93	93	ST 1000 1375	100m d/s rd br Culmstock		
EXE - 5C	Culm	Uffculme	R05C005	ST 0700 1257	0573	R		91	93	ST 0713 1279	10m u/s footbr Uffculme		
EXE - 5C	Culm	Skinner's Farm Willand	R05C006	ST 0422 1018	029	0518	R	90	93	ST 0418 1014	90m d/s Skinner's Farm br		
EXE - 5C	Culm	Higher Upton Farm	R05C007	ST 0266 0660	030	0519	R	90	93	ST 0270 0677	225m u/s Higher Upton br		
EXE - 5C	Culm	d/s Cullumpton STW	XXXX R05C043	ST 022 060					X				Note F
EXE - 5C	Culm	Merry Hartiers Inn Westcott	R05C008	ST 0136 0425	0574	R		91	93	ST 0135 0427	25m u/s br Westcott		
EXE - 5C	Culm	50m above Weir, above Silverton	R05C009	SS 9801 0102	0575	R		91	93	SS 9800 0102	25m d/s weir u/s mill		
EXE - 5C	Culm	200m d/s Silverton Mill	R05C011	SS 9743 0137	0577	R		91	93	SS 9745 0138	350m d/s br d/s Silverton Mill		
EXE - 5C	Culm	Columbjohn	R05C012	SX 9580 9975	031	0520	R		93				Note U
EXE - 5C	Culm	A396 Bridge Stoke Canon	R05C013	SX 9380 9760	032	0521	R	90	93	SX 9363 9745	250m d/s Stoke Canon Bridge		
EXE - 5C	Spratford Stream	Leonard Moor Bridge	R05C015	ST 0450 1413	091	0522	R	90	93	ST 0449 1410	30m u/s Leonard Moor Bridge		
EXE - 5C	Spratford Stream	B 3391 Bridge Tiverton Junction	R05C016	ST 0318 1160	0523	R	90	93	93	ST 0320 1160	50m u/s B3391 br Tiverton Junc		
EXE - 5C	Spratford Stream	Five Bridges	R05C017	ST 0260 0958	033	0524	R	90	93	ST 0265 0953	50m d/s Five Bridges		
EXE - 5C	Spratford Stream	Longbridge Meadow	R05C061	ST 0258 0769	05108	R			93				Note D
EXE - 5C	Sheldon Stream	Craddock Bridge	R05C014	ST 0873 1242	023	0525	R	90	93	ST 1239 0901	20m u/s Shute Farm Bridge		
EXE - 5C	Madford Stream	Culm Bridge Hemyock	R05C019	ST 1435 1352	0526	R	90	93	93	ST 1435 1352	25m u/s Culm Bridge Hemyock		
EXE - 5C	Madford Stream	Dunkeswell Abbey	R05C028	ST 1438 1050	0527	R	90	93	93	ST 1442 1015	Dunkeswell Abbey 30m u/s river	Note V	
EXE - 5C	Madford Stream	prior to Dunkeswell Stream	R05C041	ST 1522 0838	0578	R		91	93	ST 1522 0836	prior to Dunkeswell confl unde		
EXE - 5C	Dunkeswell Stream	prior to Madford River	R05C042	ST 1492 0829	0579	R		91	93	ST 1490 0827	prior to Madford confl		
EXE - 5C	Bolham River	Five Bridges	R05C018	ST 1500 1253	0528	R	90	93	93	ST 1506 1247	100m u/s Five Bridges		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE			YEAR				BIOLOGICAL SITE		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)		SITE
EXE - 5C	Grand Western Canal	Fenacre Bridge	R05C021	ST 0708 1780	0529	R	90		93			ST 0708 1770	30m u/s Fenacre Bridge	Note W
EXE - 5C	Weaver	Higher Weaver	R05C060	ST 0502 0471	05106	R			93					* Note D X
EXE - 5C	Weaver	B3181 Bridge	R05C026	ST 0134 0337	0580	R		91	93	ST 0137 0392		40m u/s B3181 br		
EXE - 5C	Heron's Bank Brook	Heron's Bank	R05C027	ST 0243 0885	0581	R		91	93	ST 0242 0885		10m u/s br Heron's Bank		Note Y
EXE - 5D	Exe	Bickleigh Castle	R05D015	SS 9368 0683	0539	R	90		93	SS 9368 0690		25m u/s footbridge Bickleigh C		
EXE - 5D	Exe	Thorverton Gauging Station	R05D001	SS 9358 0167	027, 0530	R	90		93	SS 9353 0155		100m d/s br Thorverton		
EXE - 5D	Exe	Stafford Bridge	R05D002	SX 9222 9635	0582	R		91	93	SX 9223 9621		90m u/s Stafford Bridge		
EXE - 5D	Exe	Exwick	R05D003	SX 9105 9360	0531	R	90		93	SX 9103 9360		50m u/s Exwick Br		
EXE - 5D	Exe	Treys Weir Exeter	R05D004	SX 9255 9147	0532	R	90		93	SX 9242 9163		Flood Relief by fish pass Trew		
EXE - 5D	Dart [Exe]	A373 Bridge Bradley	R05D006	SS 8958 1245	0533	R	90		93	SS 8958 1250		50m u/s A373 br Bradley		
EXE - 5D	Dart [Exe]	Dart Bridge Bickleigh	R05D007	SS 9357 0762	0534	R	90		93	SS 9354 0766		75m u/s Dart Bridge Bickleigh		
EXE - 5D	Burn	Burn Mill Farm	R05D008	SS 9467 0551	0583	R		91	93	SS 9467 0557		50m u/s footbr Burn Mill Farm		
EXE - 5D	Thorverton Stream	Thorverton Bridge	R05D009	SS 9265 0206	0584	R		91	93	SS 9251 0220		25m u/s br opp Thorverton Chur		
EXE - 5E	Exe	Exebridge	R05E001	SS 9301 2447	0535	R	90		93	SS 9310 2448		150m u/s Exebridge		
EXE - 5E	Exe	Halfpenny Bridge	R05E002	SS 9525 2053	0585	R		91	93	SS 9510 2045		150m u/s Halfpenny Bridge		
EXE - 5E	Exe	Lythecourt	R05E003	SS 9486 1532	025 0536	R	90		93	SS 9475 1513		250m d/s Bolham Intake Lytheco		
EXE - 5E	Exe	Tiverton New Bridge	R05E004	SS 9491 1308	0537	R	90		93	SS 9484 1330		300m u/s Tiverton New Bridge K		
EXE - 5E	Exe	Collipriest Tiverton	R05E005	SS 9517 1165	0586	R		91	93	SS 9520 1170		175m d/s to of field Colliprie		
EXE - 5E	Exe	below Tiverton STW	WSTW7788B	SS 9592 1034	0538	R	90		93	SS 9528 1003		150m d/s STW Ashley		* Note E
EXE - 5E	Brockley River	Brocksbriidge Cottages	R05E012	SS 9243 2450	0540	R	90		93	SS 9238 2455		50m u/s Brocksbriidge Cottage b		
EXE - 5E	Grand Western Canal	The Basin Tiverton	R05E013	SS 9629 1238	0541	R	90		93	SS 9630 1238		The Basin Tiverton		Note W X
EXE - 5E	Iron Mill Stream	Prior to River Exe	R05E008	SS 9380 2085	021 0542	R	90		93	SS 9177 2082		40m d/s Iron Mill Bridge Stuck		
EXE - 5E	Lowman	Huntsham Wood	R05E009	ST 0081 1831	0587	R		91	93	ST 0085 1836		60m u/s wood Huntsham Wood		
EXE - 5E	Lowman	Craze Lowman	R05E010	SS 9853 1408	017 0543	R	90		93	ST 0080 1567		40m u/s Chieflowman Bridge		
EXE - 5E	Lowman	A373 Bridge Tiverton	R05E011	SS 9562 1254	0544	R	90		93	SS 9577 1256		25m d/s A373 Bridge Tiverton		
EXE - 5E	Calverleigh Stream	Swinesbridge	R05E020	SS 9454 1394	0548	R		91	93	SS 9445 1397		100m u/s Swinesbridge		
EXE - 5E	Uplowman Stream	Widhayes	R05E021	SS 0005 1450	0549	R		91	93	SS 9990 1447		75m d/s gate to field Widhayes		
EXE - 5F	Bathern	Ranscombe	R05F001	ST 0043 2679	0590	R		91	93	ST 0043 2678		5m u/s rd br Ranscombe		
EXE - 5F	Bathern	A361 Bridge Shillingford	R05F002	SS 9799 2378	0545	R	90		93	SS 9808 2378		75m u/s Pheasant Pn A361 Br Sh		
EXE - 5F	Bathern	Bowbierhill Wood	R05F003	SS 9545 2093	028 0546	R	90		93	SS 9530 2126		500m u/s rd br Bowbierhill und		
EXE - 5G	Exe	below Exford STW	WSTW7598B	SS 856 382	0591	R		91	93	SS 8573 3806		10m u/s fm br Court Farm Exfor		* Note E
EXE - 5G	Exe	Chilly Bridge	R05G002	SS 9237 3068	018 0547	R	90		93	SS 9150 3387		75m d/s rope bridge Below Wins		
EXE - 5G	Exe	Warmore	R05G003	SS 9347 2599	0592	R		91	93	SS 9347 2601		25m u/s br Warmore		
EXE - 5G	Haddeo	Cuckolds Combe	R05G004	ST 0014 3073	0548	RZC	90		93	ST 0014 3077		20m u/s bridge Cuckolds Combe		
EXE - 5G	Haddeo	feeder into Upton arm	R05G020	SS 987 288	05107	R			93					* Note D AA
EXE - 5G	Haddeo	A396 Bridge Pixycopse	R05G005	SS 9376 2659	026 0549	R	90		93	SS 9377 2658		50m u/s bridge Pixycopse		
EXE - 5G	Pulham	Prior to River Haddeo	R05G009	SS 9591 2948	0550	R	90		93	SS 9573 3000		25m u/s bridge prior to Haddeo		
EXE - 5G	Withiel Brook				0593	RC		91	93	SS 9805 3266		50m u/s field br u/s Wimbiebal		
EXE - 5G	Quarne	Coppleham Bridge	R05G006	SS 9228 3425	019 0551	R	90		93	SS 9202 3500		50m d/s footbridge Witheridge		
EXE - 5H	Berle	Simonsbath	R05H001	SS 7718 3910	0552	R	90		93	SS 7695 3915		100m u/s Simonsbath Bridge		
EXE - 5H	Berle	Tarr Steps	R05H002	SS 8675 3215	0553	R	90		93	SS 8667 3223		150m u/s ford Tarr Steps		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH.....			SITE CODE.....		YEAR.....				BIOLOGICAL SITE.....		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)		SITE
EXE - 5H	Barle	Pixton Hill	R05H003	SS 9248 2625	037	0554	R	90			93	SS 9243 2631	100m d/s Pixton Hill	
EXE - 5H	Dane's Brook	Castle Bridge	R05H004	SS 8845 2930	022	0555	R	90			93	SS 8575 3012	30m u/s Hawkridge Bridge	
EXE - 5H	Sherdon Water	Ferry Ball	R05H005	SS 8025 3542		0556	R	90			93	SS 8025 3540	25m u/s bridge Ferry Ball	
EXE - 5J	Creedy	Ashridge Bridge	R05J001	SS 8188 0620		0557	R	90	91		93	SS 8182 0619	75m u/s Ashridge Bridge	Note AB
EXE - 5J	Creedy	Creedy Bridge	R05J002	SS 8460 0118	020	0558	R	90			93	SS 8485 0070	75m d/s footbridge Lords Meado	
EXE - 5J	Creedy	Westcott Cottages	R05J003	SX 8550 9985		0594	R		91		93	SX 8545 9997	150m u/s field br Westcott Co	
EXE - 5J	Creedy	Newton St Cyres	R05J013	SX 8808 9856		0595	R		91		93	SX 8798 9850	150m u/s br Newton St Cyres	
EXE - 5J	Creedy	Oakford Farm	R05J004	SX 9005 9675		0559	R	90			93	SX 9010 9673	100m d/s bridge Oakford Farm	
EXE - 5J	Jackmoor Brook	Langford	R05J018	SX 8981 9772		0596	R		91		93	SX 8983 9772	Langford 120m d/s footbr	
EXE - 5J	Shobrooke Lake	Creedy Barton	R05J017	SX 8681 9953		0597	R		91		93	SX 8670 9963	35m d/s black pipe Creedy Bart	
EXE - 5J	Holly Water	Heath Bridge	R05J015	SS 8443 0450		0560	R	90			93	SS 8445 0451	50m u/s Heath Bridge	
EXE - 5J	Shuttern Brook	prior to R. Creedy	R05J021	SX 8830 9843		0598	R		91		93	SX 8817 9817	prior to Creedy Barton House	
EXE - 5J	Binneford Water	Ashridge Farm 100m u/s confl	R05J016	SS 8198 0615		0599	R		91		93	SS 8198 0618	100m u/s confl Ashridge Farm	
EXE - 5K	Yeo (Creedy) (=Hitts)Binneford		R05K003	SX 7601 9685		0562	R	90			93	SX 7596 9676	Binneford 100m u/s ford	Note AC
EXE - 5K	Yeo (Creedy)	Gunstone Mills	R05K004	SX 8055 9847	016	0561	R	90			93	SX 8051 9849	50m u/s rd br Gunstone Mills	
EXE - 5K	Yeo (Creedy)	Downes Mills Prior to River Cr	R05K005	SX 8560 9910		05100	R		91		93	SX 8525 9910	300m u/s br Downes Mill	
EXE - 5K	Troney	Easterbrook	R05K008	SX 7232 9707		05101	R		91		93	SX 7228 9703	40m u/s br Easterbrook	
EXE - 5K	Troney	Yeoford	R05K002	SX 7828 9897	024	0563	R	90			93	SX 7830 9900	50m u/s Yeoford Bridge	
EXE - 5K	Horwell Stream					05102	RC		91		93	SS 7715 0043	55m u/s br Colebrooke	
EXE - 5K	Culvery River	Uton	R05K011	SX 8343 9859		0564	R	90			93	SX 8342 9855	50m u/s bridge Uton	
EXE - 5K	Cola Brook	Colebrooke	R05K009	SX 7779 9957		05103	R		91		93	SX 7779 9960	75m u/s br Colebrooke	
EXE - 5K	Ford Brook	Ford Farm	R05K010	SX 7938 9769		05104	R		91		93	SX 7938 9769	10m u/s br Ford Farm	
EXE - 5K	Pitt Stream	Moorlake Bridge	XXXX	R05K014	SX 8125 9933									* Note D
EXE - 5K	Hollacombe Stream	Higher Hollacombe Farm	XXXX	R05K013	SS 7956 0043									* Note D
TEIGN - 6A	Aller Brook	Edginswell Pumping Station	R06A001	SX 8932 6625		0601	R	90			93	SX 8948 6630	u/s Edginswell Pumping Stn opp	
TEIGN - 6A	Aller Brook	Manor Drive Kingskerswell	R06A002	SX 8801 6735		0623	R		91		93	SX 8798 6740	5m d/s hedge bank Manor Drive	
TEIGN - 6A	Aller Brook	Aller Orchard	R06A003	SX 8755 6900	047	0602	R	90			93	SX 8763 6883	30m d/s footbridge Aller Orcha	
TEIGN - 6A	Aller Brook	Pennim Newton Abbot	R06A004	SX 8705 7060		0624	R		91		93	SX 8708 7050	15m u/s fence Plymco Superstor	
TEIGN - 6A	Compton Pool Stream					0625	RC		91		93	SX 8719 6908	25m u/s rd br Langford Bridge	
TEIGN - 6B	Teign	Preston	R06B001	SX 8550 7452	044	0603	R	90			93	SX 8573 7358	300m u/s Teignbridge	
TEIGN - 6B	Ugbrooke Stream	Higher Sandygate	R06B012	SX 8672 7513		0626	R		91		93	SX 8660 7530	15m d/s discharge Higher Sandy	
TEIGN - 6B	Ugbrooke Stream	prior to River Teign	R06B013	SX 8575 7375	046	0604	R		91		93	SX 8575 7397	approx 55m u/s footbr prior to	Note AD
TEIGN - 6B	Lemon	Bagator Mill	R06B003	SX 7696 7556		0627	R		91		93	SX 7696 7556	10m u/s br Bagator Mill	
TEIGN - 6B	Lemon	Below confluence with River Si	R06B004	SX 7790 7355		0622	R	90			93	SX 7805 7352	250m d/s Sig confl 30m d/s ni	
TEIGN - 6B	Lemon	Bradley Playing Fields Newton	R06B005	SX 8532 7099	090	0606	R	90			93	SX 8508 7095	20m d/s footbr Bradley Park 20	
TEIGN - 6B	Sig	prior to confluence with River	R06B056	SX 7782 7362		0648	R				93			* Note D
TEIGN - 6B	Langworthy Brook	Hooks Bridge	R06B057	SX 7777 7365		0650	R				93			* Note D
TEIGN - 6B	Blatchford Stream	Perry Farm	R06B006	SX 8360 7287		0628	R		91		93	SX 8360 7289	25m d/s rd br 10m u/s footbr P	
TEIGN - 6B	Blatchford Stream	Blatchford	R06B007	SX 8550 7301		0629	R		91		93	SX 8560 7301	25m d/s rd br Blatchford	
TEIGN - 6B	Liverton Brook	Vantiford Bridge	R06B050	SX 8475 7475		0605	R	90			93	SX 8470 7475	75m u/s Vantiford Bridge	Note AE
TEIGN - 6B	Sandygate Stream	New Cross Kingsteignton	R06B010	SX 8679 7483		0630	R		91		93	SX 8685 7481	15m u/s rd br New Cross Kingst	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.SITE CODE.		...YEAR....				.....BIOLOGICAL SITE.....		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	
TEIGN - 6C	North Teign	Gidleigh Park Hotel	R06C002	SX 6775 8791	0616	R	90		93	SX 6772 8783	100m u/s Gidleigh Park Hotel B	
TEIGN - 6C	Teign	below Chagford STW	WSTM0648	SX 701 882	094	0607	RC	90	93	SX 6940 8798	50m d/s Chagford Br u/s Chagfo	Note E AF
TEIGN - 6C	Teign	below Chagford STW	WSTM0648	SX 701 882		0646	R		93	SX 705 883	60 yds d/s Rushford Bridge	Note AG
TEIGN - 6C	Teign	Clifford Bridge	R06C004	SX 7809 8979		0631	R	91	93	SX 7812 8979	30m d/s Clifford Bridge	
TEIGN - 6C	Teign	Bridford Bridge	R06C005	SX 8343 8723	042	0608	R	90	93	SX 8343 8720	50 m d/s rd br d/s Bridfordmil	
TEIGN - 6C	Teign	Spara Bridge	R06C017	SX 8435 8408		0632	R	91	93	SX 8425 8422	120m u/s Spara Bridge	
TEIGN - 6C	Teign	Whetcombe Bridge	R06C076	SX 8449 8161		0647	R?		93			Note C AH
TEIGN - 6C	Teign	Whetcombe Bridge	R06C076	SX 8449 8161		0633	R?	91	93	SX 8470 8135	225m u/s Crocombe Bridge opp K	Note AH
TEIGN - 6C	Teign	Chudleigh Bridge	R06C007	SX 8575 7847	043	0609	R	90	93	SX 8580 7814	400m d/s Chudleigh Bridge	Note AJ
TEIGN - 6C	Teign	New Bridge	R06C008	SX 8490 7652		0634	R	91	93	SX 8480 7630	100m u/s New Bridge	
TEIGN - 6C	Kate Brook	Chudleigh	R06C055	SX 8595 7853		0635	R	91	93	SX 8592 7852	45m u/s rd br to Gappah	
TEIGN - 6C	Haldon Stream					0636	RC	91	93	SX 8796 8032	160m u/s footbr Hans Barton	
TEIGN - 6C	Bramble Brook	prior to River Teign	R06C011	SX 8491 8124		0610	R	90	93	SX 8487 8116	65m u/s Teign conf 15m u/s br	
TEIGN - 6C	Beadon Brook	Tottiford House	R06C009	SX 8084 8228		0611	R	90	93	SX 8075 8231	50m d/s bridge Tottiford House	
TEIGN - 6C	Kennick Stream	Kennick Reservoir	R06C048	SX 8063 8388			L					
TEIGN - 6C	Kennick Stream	Tottiford Reservoir	R06C049	SX 8106 8271			L					
TEIGN - 6C	Beadon Brook	Hynes Bridge	R06C010	SX 8368 8170	092	0612	R	90	93	SX 8368 8170	10m u/s Hynes Bridge	
TEIGN - 6C	Beadon Brook	prior to River Teign	R06C040	SX 8438 8170		0637	R	91	93	SX 8433 8169	40m d/s B1193 br prior to Teig	
TEIGN - 6C	Rookery Brook	u/s Barytes Mine	R06C013	SX 8300 8632		0638	R	91	93	SX 8255 8614	20m u/s footbr u/s barytes min	
TEIGN - 6C	Rookery Brook	prior to River Teign	R06C014	SX 8376 8671	093	0613	R	90	93	SX 8376 8670	30m d/s B1193 rd br proir to R	
TEIGN - 6C	Sowton Brook	Sowton Bridge	R06C015	SX 8338 8745		0614	R	90	93	SX 8343 8755	150m u/s Sowton Bridge	
TEIGN - 6C	Reedy Brook	Reedy Bridge	R06C054	SX 8199 8930		0639	R	91	93	SX 8199 8928	10m d/s Reedy Bridge	
TEIGN - 6C	South Teign River	Leigh Bridge	R06C001	SX 6831 8763		0615	R	90	93	SX 6828 8760	75m u/s Leigh Bridge	
TEIGN - 6C	Blackaton Brook	Chapple	R06C052	SX 6782 8900		0641	R	91	93	SX 6783 8901	70m u/s rd br	
TEIGN - 6C	Scotley Brook	Clifford Barton	R06C057	SX 7772 9008		0651	R		93			
TEIGN - 6C	Crockernwell Stream					0640	Z	91		SX 7617 9267	35m d/s rd br	
TEIGN - 6C	'Clifford Stream'					0642	Z	91		SX 7811 8974	10m d/s br Clifford Bridge	Note AK
TEIGN - 6C	Fingle Brook	Fingle Bridge	R06C053	SX 7433 9000		0643	R	91	93	SX 7433 9001	115m u/s Fingle Bridge 30m u/s	
TEIGN - 6C	Thornworthy Brook	Thornworthy inflow	R06C081	SX 665 844		0649	R		93			Note C AL
TEIGN - 6D	Bovey	Blackeller North Bovey	R06D001	SX 7376 8375	095	0617	R	90	93	SX 7380 8370	75m d/s Blackeller Bridge	
TEIGN - 6D	Bovey	Drakeford Bridge	R06D002	SX 7893 8015		0644	R	91	93	SX 7891 8015	30m u/s Drakeford Bridge	
TEIGN - 6D	Bovey	Little Bovey	R06D003	SX 8320 7672	045	0618	R	90	93	SX 8316 7671	50m d/s road bridge Little Bov	
TEIGN - 6D	Bovey	Twinyeo Farm	R06D004	SX 8447 7605		0619	R	90	93	SX 8427 7611	u/s arm of meander Twinyeo Par	
TEIGN - 6D	Wray Brook	Caseley Court	R06D008	SX 7858 8225		0620	R	90	93	SX 7855 8235	75m u/s bridge Caseley Court	
TEIGN - 6D	Wray Brook	Knowle	R06D011	SX 7888 8025		0645	R	91	93	SX 7885 8025	90m u/s bridge Knowle	
TEIGN - 6D	Becka Brook	Gift Shop footbridge	R06D012	SX 7604 8010		0621	R	90	93	SX 7573 8003	100m u/s Newbridge	Note AM
DART - 7A	Harbourne River	Harbourneford	R07A001	SX 7175 6232		0701	R	90	93	SX 7175 6235	15m u/s road bridge Harbournef	
DART - 7A	Harbourne River	Leigh Bridge	R07A002	SX 7710 5666		0724	R	91	93	SX 7710 5670	25m u/s Leigh Bridge	
DART - 7A	Harbourne River	Beenleigh	R07A003	SX 7973 5660	048	0702	R	90	93	SX 7978 5660	40m d/s road bridge Beenleigh	
DART - 7A	Wash	Tuckenhay	R07A004	SX 8176 5590		0703	R	90	93	SX 8171 5593	50m u/s weir Tuckenhay	
DART - 7B	Hems	Portbridge	R07B011	SX 7889 6588		0725	R	91	93	SX 7892 6599	20m d/s rd br Portbridge Cross	
DART - 7B	Hems	Littlehampston	R07B012	SX 8115 6237	098	0704	R	90	93	SX 8162 6378	20m d/s bridge u/s Tally-ho	
DART - 7B	Am Brook	Collacombe Bridge	R07B016	SX 8107 6745		0705	R	90	93	SX 8105 6750	15m u/s Collacombe Bridge	
DART - 7B	Am Brook	Fishacre Bridge	R07B017	SX 8190 6445		0706	R	90	93	SX 8195 6452	100m u/s Fishacre Bridge	
DART - 7B	Dart	New Bridge	R07B005	SX 7116 7090	096	0707	R	90	93	SX 7113 7087	20m u/s New Bridge	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD-MURRAY-BLIGH BIONM1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.....SITE CODE.....		.....YEAR.....				.....BIOLOGICAL SITE.....		NOTES		
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)	SITE
DART - 7B	Dart	Buckfast Abbey	R07B007	SX 7430 6730	0726	R		91	93		SX 7363 6807	30m u/s wood opp Blackmoor Par		
DART - 7B	Dart	d/s Buckfast Platiny	XXXX R07B038	SX 745 668		X							Note F	
DART - 7B	Dart	Austin's Bridge	R07B008	SX 7500 6600	099	0708	RD	90	91	92	93	SX 7449 6670	10m d/s Dart Bridge Buckfastle	
DART - 7B	Dart	d/s Buckfastleigh STW	XXXX R07B053	SX 7536 6531		X							Note F	
DART - 7B	Dart	Riverford Bridge	R07B009	SX 7720 6372	097	0709	R	90		93	SX 7682 6398	500m u/s Riverford Bridge		
DART - 7B	Dart	Totnes Weir	R07B010	SX 8010 6122		0710	R	90		93	SX 8000 6133	25m u/s Totnes Weir		
DART - 7B	Bidwell Brook	Tigley	R07B018	SX 7573 6086		0727	R		91	93	SX 7572 6087	10m u/s rd br Tigley		
DART - 7B	Bidwell Brook	Dartington Lodge	R07B019	SX 7990 6150		0711	R	90		93	SX 7980 6152	150m u/s Dartington Lodge		
DART - 7B	Mardle	Combe	R07B013	SX 7030 6810		0734	R			93			* Note C	
DART - 7B	Mardle	u/s Rail Bridge Buckfastleigh	R07B014	SX 7472 6612	040	0712	R	90		93	SX 7462 6613	40m u/s rail br Buckfastleigh		
DART - 7B	Dean Burn	B3380 Bridge	R07B052	SX 7328 6511		0728	R		91	93	SX 7324 6511	35m u/s B3380 bridge		
DART - 7B	Ashburn (Yeo)	Dart Bridge	R07B050	SX 7456 6678		0713	R	90		93	SX 7457 6685	30m u/s Dart Bridge		
DART - 7B	Ashburn (Yeo)	Raw Bridge	R07B077	SX 7580 7091		0735	R			93			* Note D AN	
DART - 7B	Holy Brook	Northwood Buckfast	R07B020	SX 7401 6767		0714	R	90		93	SX 7400 6767	40m u/s rd br Northwood Buckfa		
DART - 7B	Ruddy-cleave Water					0729	RC		91	93	SX 7245 7308	15m u/s bridge Ruddy-cleave Cot		
DART - 7B	East Webburn River	Cockingford	R07B036	SX 7168 7508		0731	R		91	93	SX 7165 7505	50m d/s Cockingford Bridge		
DART - 7B	Webburn	Buckland Bridge	R07B015	SX 7189 7196	041	0715	R	90		93	SX 7186 7200	75m u/s Buckland Bridge		
DART - 7B	West Webburn River	Ponsworthy Bridge	R07B017	SX 7011 7390		0730	R		91	93	SX 7010 7390	20m u/s Ponsworthy Bridge		
DART - 7B	Vanford Brook					0732	RC		91	93	SX 6870 7139	25m d/s railings d/s MTW		
DART - 7B	East Dart River	Postbridge	R07B001	SX 6478 7893		0716	R	90		93	SX 6477 7895	30m u/s rd br Postbridge		
DART - 7B	East Dart River	Clapper Bridge Dartmeet	R07B002	SX 6720 7320	038	0717	R	90		93	SX 6720 7326	75m u/s clapper bridge d/s Bad		
DART - 7B	Walla Brook	Babeny	R07B051	SX 6730 7516		0718	R	90		93	SX 6730 7545	300m u/s Babeny 40m d/s split*		
DART - 7B	West Dart River	Two Bridges	R07B003	SX 6080 7499		0719	R	90		93	SX 6080 7505	30m u/s road bridge Two Bridge		
DART - 7B	West Dart River	Huccaby	R07B004	SX 6588 7292	039	0720	R	90		93	SX 6590 7293	50m u/s Huccaby Bridge		
DART - 7B	Swincombe	prior to West Dart River	R07B021	SX 6475 7370		0721	R	90		93	SX 6466 7323	100m d/s bridge prior to West		
DART - 7B	Cherry Brook	Lower Cherrybrook Bridge	R07B032	SX 6311 7484		0722	RD	90	91	92	93	SX 6311 7485	50m u/s Lower Cherrybrook Brid	
DART - 7B	Blackbrook	Tor Royal	R07B049	SX 6017 7383		0723	R	90		93	SX 6015 7383	15m u/s bridge Tor Royal		
DART - 7B	Cowsic River	Beardown Farm	R07B057	SX 6031 7510		0733	R		91	93	SX 6028 7529	30m u/s br Beardown Farm		
GARA - 8A	The Gara	Woodford	R08A002	SX 7986 5099		0814	R		91	93	SX 7978 5097	15m u/s rd br Woodford	*	
GARA - 8A	The Gara	Forder	R08A003	SX 8110 4897		0801	RZ	90			SX 8105 4906	200m u/s br 20m u/s split Ford	Note A	
GARA - 8A	The Gara	Higher North Mill	R08A004	SX 8252 4765		0802	R	90		93	SX 8245 4764	60m u/s br Higher North Mill		
GARA - 8A	The Gara	Slapton Bridge	R08A006	SX 8282 4438		0803	R	90		93	SX 8282 4440	15m u/s Slapton Bridge	*	
GARA - 8A	The Gara	Slapton Ley 1	R08A018	SX 8251 4391		0815	L						Note C	
GARA - 8A	The Gara	Slapton Ley 2	R08A019	SX 8238 4336		0823	L						Note C	
GARA - 8A	The Gara	Slapton Ley 3	R08A020	SX 8215 4272		0824	L						Note C	
GARA - 8A	Slapton Stream	Deer Bridge	R08A012	SX 8131 4455		0805	R	90		93	SX 8205 4413	Iron Bridge	Note AP AQ	
GARA - 8A	South Pool Stream					0816	RC		91	93	SX 7773 4025	5m u/s crossing point South Po		
GARA - 8A	Chillington Stream					0817	RC		91	93	SX 7925 4265	15m d/s rd br Chillington		
GARA - 8A	Small Brook	Bowcombe	R08A013	SX 7501 4438		0806	R	90		93	SX 7511 4448	100m u/s road bridge Bowcombe	Note AR	
GARA - 8A	Churchstow Stream					0818	RC		91	93	SX 7228 4434	25m u/s rd br Redford		
GARA - 8A	West Alvington Str	Ticket Wood	R08A014	SX 7342 4361		0807	Rc	90		93	SX 7323 4364	200m u/s bridge Ticket Wood	* Note A	
AVON - 8B	Avon	Shipley Bridge	R08B007	SX 6810 6290		0819	R		91	93	SX 6809 6292	30m u/s Shipley Bridge		
AVON - 8B	Avon	Lydia Bridge	R08B001	SX 6956 6070		0808	R	90		93	SX 6953 6070	50m u/s Lydia Bridge		
AVON - 8B	Avon	below South Brant STW	WSTM6298B	SX 698 593		0820	R		91	93	SX 6977 5923	5m u/s discharge 50m u/s A38 b*	Note E	
AVON - 8B	Avon	Horsabrook	R08B002	SX 7126 5845	049	0809	R	90		93	SX 7122 5847	50m u/s bridge Horsabrook		
AVON - 8B	Avon	below The Mill Fish Farm	R08B017	SX 730 536		0810	R	90		93	SX 7290 5332	150m d/s Gara Bridge	* Note E	
AVON - 8B	Avon	Loddiswell	R08B004	SX 7272 4822		0821	R		91	93	SX 7268 4825	40m d/s br Loddiswell		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIONMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES
		SITE	URN	NGR (chem)	1980 1990	USE	90 91 92 93	NGR (bio)	SITE			
AVON - 8B	Avon	Hatch	R08B005	SX 7145 4725	050	0811	R	90	93	SX 7157 4722	150m u/s Hatch Bridge	500m d/s
AVON - 8B	Glaze Brook	Higher Turtley	R08B009	SX 6979 5878		0812	R	90	93	SX 6963 5893	opposite mill	Higher Turtley
AVON - 8B	Bals Brook	Zeal	R08B011	SX 6792 6244		0813	R	90	93	SX 6781 6249	100m u/s	bridge Zeal
AVON - 8B	Torr Brook	Loddiswell	R08B015	SX 7334 4832		0822	R	91	93	SX 7335 4832	10m d/s rd br	The Old Mill
ERME - 9B	Erme	Stowford Weir	R09B001	SX 6386 5718		0901	RD	90 91 92 93		SX 6385 5713	120m u/s	Stowford Weir
ERME - 9B	Erme	A 38 bridge Ivybridge	R09B012	SX 6331 5576		0905	R	91 92		SX 6331 5578	20m u/s A30 br	u/s storm overf
ERME - 9B	Erme	below Ivybridge STW	WSTM4622B	SX 6318 5550		0906	R	91 92		SX 6334 5525	10m u/s	br Cleave
ERME - 9B	Erme	Lower Keaton	R09B010	SX 6405 5448		0902	RD	90 91 92 93		SX 6403 5449	10m u/s	bridge Lower Keaton
ERME - 9B	Erme	Fawn's Bridge	R09B011	SX 641 531		0907	R	91 92		SX 6409 5304	30m u/s	Fawn's Bridge
ERME - 9B	Erme	Sequer's Bridge	R09B003	SX 6321 5188	051	0903	RD	90 91 92 93		SX 6335 5225	500m u/s	Sequer's Bridge
ERME - 9B	Lud Brook	Fawn's Bridge	R09B017	SX 6404 5308		0904	R	90	92	SX 6413 5308	50m u/s	br to fish farm Fawn's
ERME - 9B	Left Lake					0908	RC	91 92		SX 6402 6330	10m u/s	Erme confl u/s weir
ERME - 9B	Red Lake					0909	RC	91 92		SX 6358 6612	20m u/s	Erme confl
COASTAL - 10A	Wembury Stream	prior to Beach	R10A001	SX 5175 4852		1007	R	91 92		SX 5188 4880	Wembury	
YEALM - 10B	Yealm	Hele Cross	R10B022	SX 6147 6088		1008	R	91 92		SX 6144 6090	Hele Cross	
YEALM - 10B	Yealm	Fardel Mill Farm Bridge	R10B002	SX 6025 5720	101	1001	R	90 92		SX 6032 5761	Fardel Mill Farm Bridge	
YEALM - 10B	Yealm	d/s R. Piall & Ridgocot Lake	R10B024	SX 6019 5702		1009	R	91 92		SX 6022 5700	u/s Fardel Moor Weir	d/s lake
YEALM - 10B	Yealm	Lee Mill Bridge	R10B003	SX 5997 5575		1010	R	91 92		SX 6001 5580	Lee Mill Bridge	
YEALM - 10B	Yealm	Popples Bridge	R10B021	SX 5985 5432		1011	R	91 92		SX 5983 5434	Popples Bridge	
YEALM - 10B	Yealm	Yealm Bridge	R10B004	SX 5902 5199	100	1002	R	90 92		SX 5898 5194	Yealm Bridge	
YEALM - 10B	Yealm	below Yealaton STW	XXXX WSTM4836B	SX 5765 5139		X						* Note D
YEALM - 10B	Yealm	Puslinch Bridge	R10B005	SX 5710 5100		1012	R	91 92		SX 5706 5099	Puslinch Bridge	
YEALM - 10B	Silverbridge Lake	Brixton	R10B018	SX 5610 5201		1003	R	90 92		SX 5620 5204	Brixton	
YEALM - 10B	Piall	Quick Bridge	R10B007	SX 5915 6083		1004	R	90 92		SX 5897 6082	Quick Bridge	
YEALM - 10B	Piall	Mark's Bridge	R10B008	SX 6013 5716	102	1005	R	90 92		SX 5998 5770	Mark's Bridge	
YEALM - 10B	Ford Brook					1013	RC	91 92		SX 6137 6180	Dendles Green	
YEALM - 10B	Broadall Lake					1014	RC	91 92		SX 6138 6184	Dendles Wood Bridge	
YEALM - 10B	Cholwichtown	prior to River Piall	R10B006	SX 5915 6088		1006	R	90 92		SX 5921 6087	prior to river Piall	
YEALM - 10B	Long Brook	Yealm Bridge	R10B014	SX 5936 5212		1016	R	91 92		SX 5941 5213	Yealmbridge	
COASTAL - 10B	Newton Stream	Bridgand	R10B015	SX 5578 4823		1017	R	91 92		SX 5559 4821	Bridgand	Note AS
PLYM - 11A	Tory Brook	Tolchmoor Bridge	R11A001	SX 5786 6173	054	1101	R	90 92		SX 5792 6192	Tolchmoor Bridge	
PLYM - 11A	Tory Brook	Coleland Bridge	R11A002	SX 5655 6075		1107	RX	91		SX 5660 6088	Coleland Bridge	Note AT
PLYM - 11A	Tory Brook	Coleland Bridge	R11A002	SX 5655 6075		1118	R					* Note AT
PLYM - 11A	Tory Brook	Portworthy Bridge	R11A003	SX 5562 6008		1108	R	91 92		SX 5558 6016	Portworthy Bridge	
PLYM - 11A	Tory Brook	Station Road Plympton	R11A004	SX 5392 5655	055	1102	R	90 92		SX 5431 5692	Station Road Plympton	
PLYM - 11A	Tory Brook	Marsh Mills Bridge	R11A005	SX 5275 5660		1109	R	91 92		SX 5281 5658	Marsh Mills Bridge	
PLYM - 11A	Smallhanger Brook	prior to Tory Brook	R11A020	SX 5505 5740		1117	R	92		SX 5505 5740	prior to Tory Brook	* Note C
PLYM - 11B	Plym	u/s Blackabrook	R11B001	SX 5648 6446		1110	R	91 92		SX 5647 6445	u/s Blackabrook	
PLYM - 11B	Plym	d/s Blackabrook	R11B002	SX 5639 6450		1111	R	91 92		SX 5639 6448	d/s Blackabrook	
PLYM - 11B	Plym	Cadover Bridge	R11B003	SX 5556 6465	052	1103	R	90 92		SX 5550 6462	Cadover Bridge	
PLYM - 11B	Plym	Shaugh Bridge (Wooden)	R11B004	SX 5335 6368		1112	R	91 92		SX 5336 6369	Shaugh Bridge (Wooden)	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.SITE CODE.		...YEAR....				.....BIOLOGICAL SITE.....		NOTES		
		SITE	URN	NGR (chem)	1980	1990	USZ	90	91	92	93		NGR (bio)	SITE
PLYM - 11B	Plym	Bickleigh	R11B018	SX 5270 6181	1113	R		91	92		SX 5270 6181	Bickleigh		
PLYM - 11B	Plym	Plym Bridge	R11B006	SX 5237 5867	053	1104	R	90	92		SX 5196 5860	Plym Bridge		
PLYM - 11B	Heavy	Weir u/s Burrator Reservoir	R11B008	SX 5669 6925		1114	R		91	92	SX 5675 6927	Weir u/s Burrator Reservoir		
PLYM - 11B	Heavy	d/s Burrator Reservoir	R11B009	SX 5514 6791		1105	R	90	92		SX 5515 6790	d/s Burrator Reservoir		
PLYM - 11B	Heavy	Gratton Ford Bridge	R11B010	SX 5295 6704		1115	R		91	92	SX 5297 6705	Gratton Ford Bridge		
PLYM - 11B	Heavy	Shaugh at confl. with R. Plym	R11B011	SX 5330 6375	166	1106	RD	90	91	92	93	SX 5265 6563	Hoo Heavy	
PLYM - 11B	Blackabrook	confluence with River Plym	R11B007	SX 5646 6441		1116	R		91	92		SX 5648 6441	confluence with River Plym	
TAVY - 12B	Tamerton Foliot	StreaTamerton Foliot	R12B004	SX 4718 6093		1201	RZ	90	92		SX 4722 6093	Tamerton Foliot	* Note AU	
TAVY - 12B	Tamerton Foliot	StreaTamerton Foliot (d/s trib)	R12B005	SX 4690 6090		1279	R		91	92		SX 4687 6090	Tamerton Foliot (d/s trib)	Note AU
TAVY - 12B	Milton Brook	d/s Milton Coombe	R12B001	SX 4821 6475		1202	R	90	92			SX 4829 6479	d/s Milton Coombe	*
TAVY - 12C	Tavy	Hill Bridge	R12C001	SX 5321 8040		1203	R	90	92			SX 5329 8049	Hill Bridge	
TAVY - 12C	Tavy	Harford Bridge	R12C002	SX 5057 7678		1280	R		91	92		SX 5056 7678	Harford Bridge	
TAVY - 12C	Tavy	Kelly School	R12C015	SX 4915 7500		1281	R		91	92		SX 4913 7498	Kelly School	
TAVY - 12C	Tavy	West Bridge	R12C003	SX 4768 7378		1204	R	90	92			SX 4774 7383	West Bridge	
TAVY - 12C	Tavy	d/s Crowdale STW	XXXX R12C023	SX 471 721			X							Note F
TAVY - 12C	Tavy	Wash Ford	R12C005	SX 4700 7105		1282	R		91	92		SX 4699 7106	Washford	
TAVY - 12C	Tavy	Denham Bridge	R12C006	SX 4769 6776	167	1205	R	90	92			SX 4769 6800	Denham Bridge	
TAVY - 12C	Tavy	Lopwell Dam	R12C007	SX 4750 6502		1283	R		91	92		SX 4773 6513	mid Lopwell Dam	
TAVY - 12C	Lumburn	Rushford Bridge	R12C009	SX 4496 7635		1284	R		91	92		SX 4495 7633	Rushford Bridge	
TAVY - 12C	Lumburn	Shillamill (prior to R. Tavy)	R12C010	SX 4666 7193	168	1206	RD	90	91	92	93	SX 4668 7191	Shillamill (prior to R. Tavy)	Note AV
TAVY - 12C	Moortown Brook	Mt House School	R12C021	SX 4931 7470		1207	X	90				SX 4930 7460	Mt House School	* Note A AM
TAVY - 12C	Wallbrook	prior to River Tavy	R12C011	SX 4928 7545		1208	R	90	92			SX 4921 7548	prior to River Tavy	
TAVY - 12C	Burn	prior to River Tavy	R12C008	SX 4983 7618		1209	R	90	92			SX 4980 7618	prior to River Tavy	
TAVY - 12C	Colly Brook	Peter Tavy	R12C022	SX 5140 7763		1210	RC	90	92			SX 5146 7765	Peter Tavy	* Note A
TAVY - 12C	Cholwell Brook	Brook Tavy	R12C019	SX 5088 7831		1211	R	90	92			SX 5081 7861	Brook Tavy	
TAVY - 12C	Amicombe Brook					1285	RC		91	92		SX 5717 8337	22m u/s confluence Dartmoor	
TAVY - 12D	Walkham	Merrivale Bridge	R12D001	SX 5500 7510		1212	R	90	92			SX 5510 7512	Merrivale Bridge	Note G
TAVY - 12D	Walkham	Ward Bridge	R12D002	SX 5421 7203		1286	R		91	92		SX 5422 7202	Ward Bridge	
TAVY - 12D	Walkham	Bedford Bridge	R12D003	SX 5038 7035		1287	R		91	92		SX 5044 7035	Bedford Bridge	Note AX
TAVY - 12D	Walkham	Grenofen Bridge	R12D004	SX 4900 7098	169	1213	R	90	92			SX 4890 7101	Grenofen Bridge	Note G
TAMAR - 12E	Tamar	Greystone Bridge	R12E001	SX 3683 8038	058	1214	R	90	92			SX 3683 8025	Greystone Bridge	
TAMAR - 12E	Tamar	Horsæbridge	R12E002	SX 4001 7486	059	1215	R	90	92			SX 4001 7482	Horsæbridge	
TAMAR - 12E	Tamar	Gunnislake Bridge	R12E003	SX 4332 7224		1288	R		91	92		SX 4332 7221	Gunnislake Bridge	
TAMAR - 12E	Portontown Stream	Grenoven Wood	R12E015	SX 4138 7439		1216	RZ	90	92			SX 4138 7441	Grenoven Wood	Note AY
TAMAR - 12E	Portontown Stream	prior to R Tamar	R12E034	SX 4143 7373		1289	R		91	92		SX 4143 7374	prior to River Tamar weir	Note AY
TAMAR - 12E	Latchley Brook	Latchley	R12E028	SX 4088 7374		1217	R	90	92			SX 4090 7368	Latchley	
TAMAR - 12E	Damerel Stream	prior to River Tamar	R12E014	SX 3989 7549		1218	R	90	92			SX 3988 7549	prior to River Tavy	
TAMAR - 12E	Lowley Brook	Landlake Bridge	R12E005	SX 3287 8235		1290	R		91	92		SX 3288 8237	Landlake Bridge	
TAMAR - 12E	Lowley Brook	Landue Bridge	R12E017	SX 3473 7970		1291	R		91	92		SX 3471 7970	Landue Bridge	
TAMAR - 12E	Lowley Brook	Lowley Bridge	R12E006	SX 3593 7873	103	1219	R	90	92			SX 3589 7878	Lowleybridge	
TAMAR - 12E	Luckett	Oldmill	R12E016	SX 3700 7385		1292	R		91	92		SX 3697 7386	Oldmill	
TAMAR - 12E	Luckett	Luckett Bridge	R12E007	SX 3888 7368		1220	R	90	92			SX 3882 7367	Luckett Bridge	
TAMAR - 12E	Blanchdown Stream	prior to River Tamar	R12E004	SX 4325 7291		1293	R		91	92		SX 4325 7290	prior to River Tamar	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
TAMAR - 12E	Phillips Adit	prior to River Tamar confluenc	R12E044	SX 4360 7252			X						* Note D
TAMAR - 12E	Marquis Adit	prior to River Tamar confluenc	R12E045	SX 4370 7263			X						* Note D
TAMAR - 12E	Blanchdown surface dip	prior to River Tamar confluenc	R12E046	SX 4320 7288			X						* Note D
TAMAR - 12E	South Fanny Adit	prior to River Tamar confluenc	R12E047	SX 4260 7254			X						* Note D
TAMAR - 12E	Clitters Gully	prior to River Tamar confluenc	R12E048	SX 4229 7236			X						* Note D
TAMAR - 12E	Clitters Tip	prior to River Tamar confluenc	R12E049	SX 4216 7243			X						* Note D
TAMAR - 12E	Clitters Adit	prior to River Tamar confluenc	R12E050	SX 4212 7238			X						* Note D
TAMAR - 12F	Lyd	A386 roadbridge Lydford	R12F012	SX 5205 8446	1221 R			90		92	SX 5211 8446	A386 road bridge Lydford	
TAMAR - 12F	Lyd	Greenlanes Bridge	R12F001	SX 4436 8325	1222 R			90		92	SX 4443 8321	Greenlanes Bridge	
TAMAR - 12F	Lyd	Sydenham Bridge	R12F011	SX 4288 8388	1294 R				91	92	SX 4291 8388	Sydenham Bridge	
TAMAR - 12F	Lyd	prior to River Thrushel	R12F016	SX 393 849	1295 RC					91	92	SX 3922 8497	prior to River Thrushel
TAMAR - 12F	Lyd	Lifton Bridge	R12F002	SX 3892 8480	060 1223 R			90		92	SX 3893 8477	Lifton Bridge	
TAMAR - 12F	Quither Brook	prior to River Lyd	R12F013	SX 4265 8398	1224 R			90		92	SX 4268 8393	prior to River Lyd	
TAMAR - 12F	Chillaton Stream				1296 RC					91	92	SX 4325 8184	Chillaton Bridge
TAMAR - 12F	Low	Combebow Bridge	R12F003	SX 4853 8793	1226 R			90		92	SX 4854 8799	Combebow Bridge	
TAMAR - 12F	Low	prior to River Lyd	R12F004	SX 4410 8340	104 1225 R			90		92	SX 4268 8393	prior to River Lyd	Note AZ
TAMAR - 12F	Combebow Stream	road culvert nr quarry	R12F010	SX 4881 8798	1227 R			90		92	SX 4883 8898	access rd culvert nr quarry	
TAMAR - 12G	Thrushel	Rivermead Bridge	R12G001	SX 4988 9128	1228 R			90		92	SX 4990 9127	Rivermead Bridge	
TAMAR - 12G	Thrushel	Wrixhill Bridge	R12G002	SX 4656 8988	12143 R					92	SX 4673 8992	w/s Wrixhill Bridge	* Note BA
TAMAR - 12G	Thrushel	Wrixhill Bridge	R12G002	SX 4656 8988	1297 RZ					91	SX 4654 8987	Wrixhill Bridge	Note BA
TAMAR - 12G	Thrushel	Stowford Bridge (Townleigh)	R12G003	SX 4280 8735	1229 R			90		92	SX 4280 8738	Stowford Bridge (Townleigh)	
TAMAR - 12G	Thrushel	Tinhay Bridge	R12G004	SX 3938 8538	064 1230 R			90		92	SX 4171 8672	Tinhay Bridge	
TAMAR - 12G	Bratton Brook	Bratton Clovelly	R12G009	SX 4676 9202	1231 R			90		92	SX 4677 9202	Bratton Clovelly	
TAMAR - 12G	Breazle Water	prior to River Thrushel	R12G010	SX 4476 8917	1232 R			90		92	SX 4480 8924	prior to River Thrushel	
TAMAR - 12G	Wolf	Week's Mill Bridge	R12G005	SX 4461 9423	1233 R			90		92	SX 4464 9425	Week's Mill Bridge	* Note BC
TAMAR - 12G	Wolf	above Roadford Reservoir inflow	R12G107	SX 435 934	12146 R								* Note DC
TAMAR - 12G	Wolf	Roadford New Bridge	R12G084	SX 4189 8981	1298 R					91	92	SX 4188 8979	Roadford New Bridge
TAMAR - 12G	Wolf	Rexon Bridge	R12G006	SX 4133 8885	1299 R					91	92	SX 4141 8890	Rexon Bridge
TAMAR - 12G	Wolf	prior to River Thrushel	R12G007	SX 4031 8629	105 1234 R			90		92	SX 4035 8638	prior to River Thrushel	
TAMAR - 12G	Hennard Stream	prior to Roadford Lake	R12G096	SX 4250 9390	12142 R					92	SX 4242 9380	prior to Roadford Lake	* Note C BD
TAMAR - 12G	Broadwood Brook	Kellacott Bridge	R12G012	SX 4066 8799	1235 R			90		92	SX 4065 8800	Kellacott Bridge	
TAMAR - 12G	Buddle Brook				12100 RC					91	92	SX 4022 8989	Buddle Bridge
TAMAR - 12H	Carey	Halwill Bridge - Quoditch	R12H006	SX 4201 9850	12101 R					91	92	SX 4207 9851	Halwill Bridge - Quoditch
TAMAR - 12H	Carey	Ashmill Bridge	R12H001	SX 3935 9534	1236 R			90		92	SX 3937 9537	Ashmill Bridge	
TAMAR - 12H	Carey	Middle Bridge Virginstow	R12H007	SX 3710 9263	12102 R					91	92	SX 3715 9258	Panson
TAMAR - 12H	Carey	Boldford Bridge	R12H008	SX 3642 8828	12103 R					91	92	SX 3645 8824	Boldford Bridge
TAMAR - 12H	Carey	Heale Bridge	R12H002	SX 3600 8631	061 1237 R			90		92	SX 3589 8617	Heale Bridge	
TAMAR - 12H	Henford Water	Henford	R12H005	SX 3735 9472	1238 R			90		92	SX 3736 9479	Henford	
TAMAR - 12J	Tamar	Boyton Bridge	R12J001	SX 3284 9228	12104 R					91	92	SX 3288 9230	Boyton Bridge
TAMAR - 12J	Tamar	Drupton Bridge	R12J002	SX 3444 8833	12105 R					91	92	SX 3443 8830	Drupton Bridge
TAMAR - 12J	Tamar	Netherbridge	R12J003	SX 3483 8675	057 1239 R			90		92	SX 3497 8662	Netherbridge	
TAMAR - 12J	Tamar	Polson Bridge	R12J004	SX 3559 8490	12106 R					91	92	SX 3556 8492	Polson Bridge
TAMAR - 12J	Tale Water	Bridgetown	R12J006	SX 3418 8913	1240 R			90		92	SX 3410 8913	Bridgetown	



Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH			SITE CODE			YEAR			BIOLOGICAL SITE		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	
TAMAR - 12J	Lana Lake	Lana Bridge	R12J005	SX 3407 9591	1241	R	90	92	SX 3412 9592	Lana Bridge			
TAMAR - 12K	Claw	Claw Bridge	R12K016	SS 3746 0071	12107	R	91	92	SS 3742 0068	Claw Bridge			
TAMAR - 12K	Claw	Clawton Bridge	R12K001	SX 3533 9932	12108	R	91	92	SX 3536 9933	Clawton Bridge			
TAMAR - 12K	Claw	Tetcott Bridge	R12K002	SX 3267 9692	1242	R	90	92	SX 3279 9696	Tetcott Bridge			
TAMAR - 12K	Hollecombe Stream	Hayne Farm			107	RC	90	92	SS 3728 0255	Hayne Farm			
TAMAR - 12K	Deer	Rydon Bridge	R12K003	SS 3356 0415	1244	R	90	92	SS 3354 0413	Rydon Bridge			
TAMAR - 12K	Deer	Winscott Bridge	R12K004	SS 3386 0142	106	1245	R	90	92	SS 3385 0144	Winscott Bridge		
TAMAR - 12K	Deer	Deer Bridge	R12K005	SX 3195 9741	12109	R	91	92	SX 3192 9734	Deer Bridge			
TAMAR - 12K	Colesmill Stream	above Holsworthy STW	XXXX	MSTW3139A	SX 3405 0324		X				* Note D		
TAMAR - 12K	Colesmill Stream	100m d/s of Holsworthy STW	R12K007	SS 3387 0317	1246	R	90	92	SS 3387 0316	100m d/s Holsworthy STW			
TAMAR - 12K	Dunsteple Brook				12110	RC	91	92	SS 3452 0352	u/s Coles Mill confluence			
TAMAR - 12L	Tamar	Buses Bridge	R12L001	SS 2808 1338	12111	R	91	92	SS 2809 1345	Buses Bridge			
TAMAR - 12L	Tamar	Footbridge d/s Lower Tamar	LakR12L009	SS 2956 1070	12112	R	91	92	SS 2955 1070	d/s Lower Tamar Lake			
TAMAR - 12L	Tamar	Daxbeer Bridge	R12L006	SS 2953 0895	1247	RD	90	91	92	93	SS 2957 0894	Daxbeer Bridge	
TAMAR - 12L	Tamar	Moreton Mill	R12L016	SS 2833 0845	12113	R	91	92	SS 2833 0850	Moreton Mill			
TAMAR - 12L	Tamar	Tamarstone Bridge	R12L002	SS 2835 0548	056	1248	RD	90	91	92	93	SS 2832 0559	Tamarstone Bridge
TAMAR - 12L	Tamar	Bridgerule	R12L015	SS 2748 0280	12114	R	91	92	SS 2748 0290	Bridgerule			
TAMAR - 12L	Tamar	Crowford Bridge	R12L003	SX 2873 9944	12115	R	91	92	SX 2872 9943	Crowford Bridge			
TAMAR - 12L	Tamar	Tamerton Bridge	R12L004	SX 3176 9738	108	1249	RD	90	91	92	93	SX 3179 9739	Tamerton Bridge
TAMAR - 12L	Tamar	d/s confluence with River Deer	R12L013	SX 3190 9726	12116	R	91	92	SX 3190 9726	d/s confluence with River Deer			
TAMAR - 12L	Lambert Water	Forda	R12L010	SS 2771 1119	12117	R	91	92	SS 2774 1116	Forda			
TAMAR - 12L	Lambert Water	Moreton Found Bridge	R12L007	SS 2758 0893	1250	R	90	92	SS 2757 0894	Moreton Found Bridge			
TAMAR - 12L	Derrill Water	Dux Bridge	R12L012	SS 2967 0272	1251	RZ	90		SS 2957 0279	Dux Bridge	Note A BE		
TAMAR - 12L	Derrill Water	Dualstone Bridge	R12L005	SS 3013 0058	1252	RZ	90	92	SS 3013 0063	Dualstone Bridge	* Note BF		
TAMAR - 12L	Derrill Water	Dualstone Bridge	R12L005	SS 3013 0058	12145	R	92		SS 3013 0059	U/S Dualstone Bridge	* Note BF		
TAMAR - 12L	Small Brook	Headon Bridge	R12L011	SS 3100 0731	1253	R	90	92	SS 3101 0730	Headon Bridge			
TAMAR - 12L	Small Brook	Youldon Bridge	R12L008	SS 2995 0528	1254	R	90	92	SS 2997 0530	Youldon Bridge			
TAMAR - 12M	Ottery	Otterham Mill	R12M004	SX 1745 9095	12118	R	91	92	SX 1742 9087	Otterham Mill			
TAMAR - 12M	Ottery	Trengune Bridge	R12M005	SX 1889 9320	12119	R	91	92	SX 1885 9329	Trengune Bridge			
TAMAR - 12M	Ottery	Canworthy Water Bridge	R12M001	SS 2240 9173	1255	R	90	92	SX 2220 9170	Canworthy Water Bridge			
TAMAR - 12M	Ottery	Hellescott Bridge	R12M002	SX 2855 8777	1256	R	90	92	SX 2844 8782	Hellescott Bridge			
TAMAR - 12M	Ottery	Yeolmbridge	R12M006	SX 3182 8738	12120	R	91	92	SX 3178 8737	Yeolmbridge			
TAMAR - 12M	Ottery	Ham Mill Bridge	R12M007	SX 3445 8682	109	1257	R	90	92	SX 3456 8686	Ham Mill Bridge		
TAMAR - 12M	Bolesbridge Water	200m d/s Navarino Bridge	R12M012	SX 2895 8920	1258	RZ	90		SX 2895 8818	200m d/s Navarino Bridge	Note BG		
TAMAR - 12M	Bolesbridge Water	200m d/s Navarino Bridge	R12M012	SX 2895 8920	12144	R	92		SX 2899 8823	Waterloo Farm	* Note BG		
TAMAR - 12M	Caudworthy Water	Caudworthy Bridge	R12M010	SX 2470 9263	12122	R	91	92	SX 2469 9267	Caudworthy Bridge			
TAMAR - 12M	Caudworthy Water	prior to River Ottery	R12M011	SX 2676 8887	1259	R	90	92	SX 2672 8890	prior to River Ottery			
TAMAR - 12M	Canworthy Water	prior to River Ottery	R12M008	SX 2240 9147	12123	R	91	92	SX 2238 9144	prior to River Ottery	Note BH		
TAMAR - 12N	Kensley	Badgall Bridge	R12N003	SX 2317 8692	1260	R	90	92	SX 2312 8696	Badgall Bridge			
TAMAR - 12N	Kensley	Badharlick Bridge	R12N001	SX 2675 8643	12124	R	91	92	SX 2675 8642	Badharlick Bridge			
TAMAR - 12N	Kensley	Truscott Bridge	R12N004	SX 2987 8499	1261	R	90	92	SX 2984 8498	Truscott Bridge			
TAMAR - 12N	Kensley	Newport	R12N005	SX 3270 8511	12125	R	91	92	SX 3262 8512	Newport			
TAMAR - 12N	Kensley	St Leonards Bridge	R12N002	SX 3517 8478	062	1262	R	90	92	SX 3523 8485	St Leonards Bridge		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1

JAD MURRAY-BLIGH

BIOMON1991.W20

10 February 1993

(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH				SITE CODE			YEAR				BIOLOGICAL SITE		NOTES
		SITE	URN	NGR (chem)	1980 1990 USE	90 91 92 93	NGR (bio)	SITE							
TAMAR - 12N	Tregeere Stream	Red Down Bridge	R12N006	SX 2671 8628	12126 R	91 92	SX 2672 8629	Red Down Bridge							
TAMAR - 12P	Inny	u/s Davidstow Creamery	R12P001	SX 1533 8702	12127 R	91 92	SX 1534 8704	u/s Davidstow Creamery							
TAMAR - 12P	Inny	Trewinnow Bridge	R12P002	SX 1701 8650	12128 R	91 92	SX 1704 8647	Trewinnow Bridge							
TAMAR - 12P	Inny	St Clether Bridge	R12P003	SX 2061 8418	1263 R	90 92	SX 2052 8419	St Clether Bridge							
TAMAR - 12P	Inny	Gimblett's Mill	R12P012	SX 2419 8339	12129 R	91 92	SX 2410 8342	Gimblett's Mill							
TAMAR - 12P	Inny	Two Bridges	R12P004	SX 2706 8175	12130 R	91 92	SX 2700 8180	Two Bridges							
TAMAR - 12P	Inny	Trekelland bridge	R12P005	SX 3002 7987	12131 R	91 92	SX 3000 7989	Trekelland bridge							
TAMAR - 12P	Inny	Trencerrel Bridge	R12P013	SX 3202 7713 063	1264 R	90 92	SX 3217 7710	Trencerrel Bridge							
TAMAR - 12P	Inny	Beals Mill Bridge	R12P006	SX 3588 7706	12132 R	91 92	SX 3587 7704	Bealsmill Bridge							
TAMAR - 12P	Penpont Water	Trelyn Bridge	R12P010	SX 2002 8286	1265 R	90 92	SX 2000 8288	Trelyn Bridge							
TAMAR - 12P	Penpont Water	Altarnun Bridge	R12P007	SX 2233 8130	12133 R	91 92	SX 2228 8125	Altarnun Bridge							
TAMAR - 12P	Penpont Water	Two Bridges	R12P008	SX 2695 8165 110	1266 R	90 92	SX 2695 8165	Two Bridges							
LYNHER - 12Q	Lynher	Trebartha Road Bridge	R12Q001	SX 2603 7778	1267 R	90 92	SX 2629 7782	Trebartha Road Bridge							
LYNHER - 12Q	Lynher	Berriowbridge	R12Q002	SX 2733 7564	12134 R	91 92	SX 2732 7565	Berriowbridge							
LYNHER - 12Q	Lynher	Rille Mill Bridge	R12Q003	SX 2948 7311 112	1268 R	90 92	SX 2895 7385	Starabridge							
LYNHER - 12Q	Lynher	Bicton Mill Bridge	R12Q004	SX 3215 7005	12135 R	91 92	SX 3215 7007	Bicton Mill Bridge							
LYNHER - 12Q	Lynher	Newbridge	R12Q005	SX 3473 6801	1269 R	90 92	SX 3473 6809	Newbridge							
LYNHER - 12Q	Lynher	u/s Clapper Bridge	R12Q025	SX 3515 6526	12136 R	91 92	SX 3513 6527	u/s Clapper Bridge							
LYNHER - 12Q	Lynher	Pillaton Bridge	R12Q006	SX 3650 6324	12137 R	91 92	SX 3659 6318	Pillaton							
LYNHER - 12Q	Lynher	Nottes Bridge	R12Q007	SX 3850 6090 111	1270 R	90 92	SX 3848 6099	Nottes Bridge							
LYNHER - 12Q	Withey Brook	u/s of Bastreet Intake	R12Q010	SX 2435 7637	1271 R	90 92	SX 2436 7636	u/s Bastreet Intake							
LYNHER - 12Q	Withey Brook	prior to River Lynher	R12Q008	SX 2610 7723 065	1272 R	90 92	SX 2610 7720	prior to River Lynher							
LYNHER - 12Q	Rushyford Water				12138 RC	91 92	SX 2322 7603	Trewortha Marsh							
LYNHER - 12Q	Dean's Brook	Bridge	R12Q029	SX 3825 6224	1273 R	90 92	SX 3824 6235	Bridge							
LYNHER - 12Q	Kelly Stream	Haye	R12Q026	SX 3470 6991	12139 R	91 92	SX 3467 7008	Haye							Note BJ
LYNHER - 12Q	Kelly Stream	d/s Collington STW	XXXX R12Q030	SX 3547 7023	X										Note F BJ
LYNHER - 12Q	Kelly Stream	Caddapit	R12Q009	SX 3400 6888	1274 R	90 92	SX 3400 6888	Caddapit							Note BJ
LYNHER - 12Q	Marke Valley Stream	Upton Cross	R12Q027	SX 2870 7195	1275 R	90 92	SX 2862 7192	Upton Cross							
LYNHER - 12R	Tiddy	u/s Pensilva STW	R12R001	SX 2900 6890	12140 R	91 92	SX 2900 6890	u/s Pensilva STW							
LYNHER - 12R	Tiddy	Butterdon Mill	R12R002	SX 2944 6617	1276 R	90 92	SX 2952 6625	Butterdon Mill							
LYNHER - 12R	Tiddy	Tilland Mill Bridge	R12R003	SX 3288 6188	12141 R	91 92	SX 3285 6188	Tilland Mill Bridge							
LYNHER - 12R	Tiddy	Tideford Bridge	R12R004	SX 3443 5960 113	1277 R	90 92	SX 3451 5964	Tideford Bridge							
LYNHER - 12R	Trecorne Stream	Tilland Bridge	R12R006	SX 3315 6196	1278 R	90 92	SX 3320 6200	Tilland Bridge							Note BK
SEATON - 13A	Seaton	Crow's Nest	R13A001	SX 2641 6938	1304 R	91 93	SX 2640 6938	Crow's Nest							
SEATON - 13A	Seaton	Hendra Bridge	R13A002	SX 2657 6563	1301 R	90 93	SX 2650 6565	Hendra Bridge							Note BL
SEATON - 13A	Seaton	Roseland	R13A006	SX 2756 6314	1302 RZ	90	SX 2754 6323	Roseland							Note A
SEATON - 13A	Seaton	Courtney's Mill Bridge	R13A003	SX 2885 6163	1305 R	91 93	SX 2878 6164	Courtney's Mill Bridge							
SEATON - 13A	Seaton	Hessenford	R13A004	SX 3073 5736 114	1303 R	90 93	SX 3071 5740	Hessenford							
SEATON - 13A	Seaton	Seaton Beach	R13A005	SX 3033 5450	1306 R	91 93	SX 3033 5450	Seaton Beach							
SEATON - 13A	Treemar Stream	Rosecraddoc	R13A008	SX 2646 6760	1307 R	91 93	SX 2646 6758	Rosecraddoc							
SEATON - 13A	Manheniot trib.	at factory (bridge u/s trib.)	R13A009	SX 2843 6207	1308 R	91 93	SX 2844 6207	at factory							

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIONON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES		
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)	SITE
COASTAL - 14A	Polperro River	Polperro	R14A001	SX 2078 5096	1401	R					93	SX 2073 5098	Polperro	
LOOE - 14B	East Looe River	Venton Veor Bidge	R14B005	SX 2328 6573	1411	R			91	93		SX 2325 6574	Venton Veor Bidge	
LOOE - 14B	East Looe River	Looe Mills	R14B001	SX 2323 6456	1412	R			91	93		SX 2328 6465	Looe Mills	
LOOE - 14B	East Looe River	Lamellion Mill	R14B002	SX 2388 6359 068	1402	R			90	93		SX 2507 6109	Lamellion Mill	
LOOE - 14B	East Looe River	d/s Liskeard STW	XXXX R14B008	SX 2422 6280		X								Note F
LOOE - 14B	East Looe River	Trussel Bridge	R14B003	SX 2455 6200	1413	R			91	93		SX 2455 6205	Trussel Bridge	
LOOE - 14B	East Looe River	Landlooe Bridge	R14B006	SX 2500 5950	1403	R			90	93		SX 2499 5956	Landlooe Bridge	
LOOE - 14B	East Looe River	Railway Halt Sandplace	R14B004	SX 2483 5715	1414	R			91	93		SX 2480 5719	Railway Halt Sandplace	
LOOE - 14B	Dobwalls Stream	Tuelmenna Bridge	R14B007	SX 2338 6578	1415	R			91	93		SX 2329 6574	Tuelmenna Bridge	
LOOE - 14C	West Looe River	Bosent Bridge	R14C010	SX 2128 6346	1404	R			90	93		SX 2127 6353	Bosent Bridge	
LOOE - 14C	West Looe River	Scawn Mill Bridge	R14C001	SX 2158 6213	1405	R			90	93		SX 2160 6216	Scawn Mill Bridge	
LOOE - 14C	West Looe River	Churchbridge	R14C002	SX 2193 5858 067	1406	R			90	93		SX 2189 5865	Churchbridge	
LOOE - 14C	West Looe River	Souden's Bridge	R14C003	SX 2302 5556	1416	R			91	93		SX 2300 5562	Souden's Bridge	
LOOE - 14C	Coldrinnick Stream	Tregarrick Mill Bridge	R14C011	SX 2058 5713	1407	R			90	93		SX 2060 5711	Tregarrick Mill Bridge	
LOOE - 14C	Connon Stream	u/s waste disposal site	R14C005	SX 1902 6245	1418	R7				93				* B BO BP
LOOE - 14C	Connon Stream	below waste disposal site	R14C013	SX 1910 6250 066	1408	R7			90	93		SX 1909 6245	d/s tip site	* D BN BP
LOOE - 14C	Connon Stream	Trevillis Wood	R14C006	SX 1962 6178	1409	R			90	93		SX 1958 6185	Trevillis Wood	Note BP
LOOE - 14C	Connon Stream	Herodsfoot Bridge	R14C008	SX 2165 6042	1417	R			91	93		SX 2145 6049	Herodsfoot Bridge	* Note BP
LOOE - 14C	Connon Tip Stream				1410	RC			90	93		SX 1891 6241	Tip discharge	
POWEY - 15A	Pont Pill	Trethake Mill	R15A003	SX 1555 5310	1501	R			90	93		SX 1561 5315	Trethake Mill - u/s Pont	Note BQ
POWEY - 15A	Trebant Water	East Tencreek	R15A002	SX 1510 5546	1502	R			90	93		SX 1510 5551	East Tencreek u/s Penpoll	Note BR
POWEY - 15A	Lerryn River	Lerryn	R15A004	SX 1433 5733	1510	R			91	93		SX 1432 5734	Lerryn	Note BS
POWEY - 15A	Lerryn River	Couch's Mill	R15A001	SX 1486 5911	1503	RZ			90	93		SX 1485 5919	Couch's Mill	Note A BS
POWEY - 15A	Bedellva Stream	Boconnoc	R15A007	SX 1557 6040	1511	R			91	93		SX 1550 6036	Boconnoc	Note BT
POWEY - 15B	Fowey	Harrowbridge	R15B001	SX 2065 7442	1512	R			91	92		SX 2066 7440	Harrowbridge	
POWEY - 15B	Fowey	Lamelgate	R15B024	SX 2230 7084	1504	R			90	92		SX 2230 7080	Lamelgate	
POWEY - 15B	Fowey	Draynes Bridge	R15B002	SX 2281 6893	1513	R			91	92		SX 2281 6898	Draynes Bridge	
POWEY - 15B	Fowey	Treverbryn Bridge	R15B003	SX 2063 6748	1514	R			91	92		SX 2065 6754	Treverbryn Bridge	
POWEY - 15B	Fowey	Bodithiel Bridge	R15B004	SX 1763 6486	1515	R			91	92		SX 1766 6488	Bodithiel Bridge	
POWEY - 15B	Fowey	Respryn Bridge	R15B025	SX 0994 6353 115	1505	R			90	92		SX 0998 6360	Respryn Bridge	
POWEY - 15B	Fowey	Restormel	R15B006	SX 1080 6130	1516	R			91	92		SX 1076 6132	Restormel	
POWEY - 15B	Cardinham Water	Glynnmill	R15B021	SX 1114 6440	1506	R			90	92		SX 1110 6444	Glynnmill	
POWEY - 15B	Warleggan River	Panters Bridge	R15B009	SX 1593 6795 170	1507	R			90	92		SX 1583 6810	Panters Bridge	
POWEY - 15B	St Neot River	Colliford Lake	R15B014	SX 1780 7110		L								
POWEY - 15B	St Neot River	Colliford Bridge	R15B014	SX 1808 7075	1517	R			91	92		SX 1810 7071	Colliford Bridge	
POWEY - 15B	St Neot River	Two Waters Foot	R15B008	SX 1855 6494 116	1508	R			90	92		SX 1842 6799	Two Waters Foot	
POWEY - 15B	Northwood Brook	Wortha	R15B016	SX 2063 6984	1518	R			91	92		SX 2063 6988	Wortha	Note BU
POWEY - 15B	Northwood Brook	Trenant Bridge	R15B011	SX 2098 6829	1509	R			90	92		SX 2096 6928	Trenant Bridge	Note BU
POWEY - 15B	Siblyback Stream	Trekeivesteps Bridge	R15B010	SX 2281 6998	1519	R			91	92		SX 2279 6991	Trekeivesteps	
PAR - 16A	Par River	Criggan Moor	R16A007	SX 0216 6071	1606	R			91	93		SX 0215 6076	Criggan Moor	
PAR - 16A	Par River	A 391 Bridge	R16A001	SX 0229 6070	1607	R			91	93		SX 0229 6069	A 391 Bridge	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, & 92)

VERSION 1 JAD MURRAY-BLIGH BICMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.SITE CODE.		...YEAR....				.....BIOLOGICAL SITE.....		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	
PAR - 16A	Par River	Higher Menadew	R16A006	SX 0284 5940	1608	R		91	93	SX 0296 5930	Higher Menadew	
PAR - 16A	Par River	Lavrean Bridge	R16A002	SX 0320 5916	117 1601	R	90		93	SX 0315 5927	Lavrean Bridge	
PAR - 16A	Par River	Luxulyan Bridge	R16A003	SX 0486 5805	1609	R		91	93	SX 0481 5804	Luxulyan Bridge	
PAR - 16A	Par River	Treffrey Bridge	R16A004	SX 0575 5680	118 1602	R	90		93	SX 0567 5737	Treffrey Bridge	
PAR - 16A	Par River	St Blazey Bridge	R16A005	SX 0705 5518	1610	R		91	93	SX 0703 5518	St Blazey Bridge	
PAR - 16A	Par River	AJ082 Bridge	R16A027	SX 0747 5352	1618	R			93			Note C
PAR - 16A	Tywarddeath Stream	d/s Elmsleigh Pond	R16A017	SX 0762 5436	1611	R		91	93	SX 0768 5431	d/s Elmsleigh Pond	
PAR - 16A	Bokiddick Brook	Lowertown Farm	R16A014	SX 0538 6103	1612	R		91	93	SX 0538 6099	Lowertown Farm	
PAR - 16A	Bokiddick Brook	Luxulyan	R16A009	SX 0553 5798	1603	R	90		93	SX 0555 5804	Luxulyan	
PAR - 16A	Rosevean Stream	prior to Par River	R16A012	SX 0340 5870	1604	R	90		93	SX 0312 5858	prior to Par River	Note BV
PAR - 16A	Rescorla Brook	prior to Par River	R16A029	SX 0397 5843	1617	R		91	93	SX 0353 5835	Lestoon Farm	
PAR - 16A	Treverbyn Stream	prior to Par River	R16A013	SX 0453 5802	1605	R	90		93	SX 0433 5794	200m u/s Par River confluence	
PAR - 16A	Carbis Stream	Hendra	R16A026	SX 9962 5935	1619	R			93			Note C BW
PAR - 16A	Carbis Stream	d/s Wheel Prosper mica dam	R16A018	SX 0003 5955	1613	R		91	93	SX 0001 5955	d/s Wheel Prosper mica dam	Note BX
PAR - 16A	Carbis Stream	prior to Par River	R16A011	SX 0270 5938	1614	R		91	93	SX 0265 5934	prior to Par River	
PAR - 16A	Molinnis Stream	Molinnis	R16A016	SW 0248 5928	1615	R		91	93	SX 0246 5927	Molinnis	
PAR - 16A	Rosevath Stream	Rosevath	R16A008	SX 0205 6102	1616	R		91	93	SX 0206 6100	Rosevath	
COASTAL - 17A	Crinnis River	Cuddra Road Bridge (A 390)	R17A002	SX 0458 5293	1703	R		91	93	SX 0454 5291	Cuddra Road Bridge (A 390)	
COASTAL - 17A	Crinnis River	Carlyon Bay Road Bridge	R17A003	SX 0550 5275	119 1701	R	90		93	SX 0543 5275	Caryon Bay road bridge	
COASTAL - 17A	Crinnis River	Crinnis Beach (adit portal)	R17A004	SX 0610 5231	1702	R	90		93	SX 0611 5230	Crinnis Beach (adit portal)	
COASTAL - 17A	Bodelva Brook	Bodelva	R17A007	SX 0548 5338	1704	R		91	93	SX 0548 5323	Bodelva	
COASTAL - 17A	Bodelva Brook	A 3082 Bridge	R17A001	SX 0563 5290	1705	R		91	93	SX 0564 5290	A 3082 Bridge	
ST AUSTELL - 18A	St Austell River	Lansalson Bridge	R18A003	SX 0089 5478	1810	R		91	93	SX 0088 5478	Lansalson Bridge	
ST AUSTELL - 18A	St Austell River	u/s Gover Stream	R18A004	SX 0075 5293	120 1801	R	90		93	SX 0124 5355	u/s Gover Stream	
ST AUSTELL - 18A	St Austell River	Iron Bridge	R18A006	SX 0122 5114	1811	R		91	93	SX 0122 5116	u/s St Austell STW	
ST AUSTELL - 18A	St Austell River	Moltingey Gauging Station	R18A007	SX 0071 4945	121 1802	R	90		93	SX 0074 4955	Moltingey Gauging Station	
ST AUSTELL - 18A	St Austell River	Pentewan Bridge	R18A008	SX 0175 4725	1812	R		91	93	SX 0170 4730	Pentewan Bridge	
ST AUSTELL - 18A	Gover Stream	prior to St Austell River	R18A005	SX 0075 5268	1803	R	90		93	SX 0068 5274	prior to St Austell River	
ST AUSTELL - 18A	Polgooth Stream	u/s Polgooth STW	R18A014	SX 0001 5023	1813	R		91	93	SX 0034 4994	Polgooth Bridge	
ST AUSTELL - 18A	Polgooth Stream	prior to St Austell River	R18A010	SX 0071 4983	1804	R	90		93	SX 0068 4985	prior to St Austell River	
ST AUSTELL - 18A	Hembal Brook	u/s bridge	R18A016	SW 9893 5206	1818	RC		91	93	SW 9893 5205	u/s Bridge	* Note A BXA
COASTAL - 18A	Mevagissey Stream	Car Park Mevagissey	R18A009	SX 0130 4500	1805	R	90		93	SX 0130 4500	car park Mevagissey	*
COASTAL - 18A	Caerhays Stream	Polmassick Bridge	R18A001	SW 9718 4560	1814	R		91	93	SW 9719 4558	Polmassick Bridge	
COASTAL - 18A	Caerhays Stream	Tubbs Mill	R18A015	SW 9609 4329	083 1806	R	90		93	SW 9610 4334	Tubbs Mill	
COASTAL - 18A	Caerhays Stream	Caerhays Beach Bridge	R18A002	SW 9746 4145	1807	R	90		93	SW 9749 4140	Caerhays Beach Bridge	
COASTAL - 18A	Hewas Water				1815	RC		91	93	SW 9679 4730	Carloote Bridge	
COASTAL - 18A	Portholland Stream	Portholland	R18A017	SW 9593 4130	1808	R	90		93	SW 9568 4180	Portholland	
COASTAL - 18A	Carne Stream	Melinsy Mill	R18A011	SW 9056 3928	1816	R		91	93	SW 9055 3925	Melinsy Mill	
COASTAL - 18A	Carne Stream	Pendover Beach	R18A012	SW 8975 3820	1809	R	90		93	SW 8944 3825	Pendover Beach	
COASTAL - 18A	Trengrouse Stream				1817	RC		91	93	SW 9231 4127	Trelagosaick	
FAL - 19A	Percuil River	Lanhoose	R19A034	SW 8606 3782	1901	R2	90			SW 8605 3790	Lanhoose	* Note A
FAL - 19A	Percuil River	Tretham Mill	R19A013	SW 8613 3638	1947	R		91	93	SW 8620 3648	Tretham Mill	
FAL - 19A	Mylor Stream	Enys	R19A035	SW 7908 3658	1948	R		91	93	SW 7899 3649	Enys	
FAL - 19A	Mylor Stream	Mylor Bridge	R19A014	SW 8043 3611	1902	R	90		93	SW 8034 3615	Mylor Bridge	
FAL - 19A	Penryn River	Tremough	R19A037	SW 7735 3505	1903	R	90		93	SW 7732 3506	Tremough	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	
FAL - 19A	Argal Stream	Holland Mill			1904	RC	90		93	SW 7538 3199	Holland Mill	
FAL - 19A	Swanpool Stream	u/s Swanpool	R19A009	SW 8004 3166	1949	R		91	93	SW 8004 3166	u/s Swanpool	
FAL - 19A	Maenporth Stream	Tregedna Bridge	R19A008	SW 7883 3028	1950	R		91	93	SW 7881 3029	Tregedna Bridge	
HELDFORD - 19A	Porth Navas Stream	Roskellan Bridge	R19A001	SW 7575 2826	1905	R	90		93	SW 7577 2830	Trenarth Bridge	Note BY
HELDFORD - 19A	Lestraines River	Polwheveral Bridge	R19A003	SW 7369 2845 163	1906	R	90		93	SW 7377 2900	Polwheveral Bridge	
HELDFORD - 19A	Carvedras Stream	prior to Lestraines River	R19A027	SW 7374 2910	1915	R	90		93	SW 7365 2913	prior to Lestraines River	
HELDFORD - 19A	Gweek River	Mather-Umy Mill Bridge	R19A028	SW 7041 2911	1907	RZ	90			SW 7042 2918	Mather-Umy Mill Bridge	Note A
HELDFORD - 19A	Gweek River	Gweek Bridge	R19A004	SW 7063 2675 162	1908	RC	90		93	SW 7061 2717	Gweek Bridge	* Note A BZ
HELDFORD - 19A	Gweek River	Danetto Bridge	R19A042	SW 7061 2685	1951	R		91	93	SW 7062 2682	Danetto Bridge	Note BZ
HELDFORD - 19A	Tolven Cross Stream				1952	RC		91	93	SW 7077 2751	Kestle Dee	
HELDFORD - 19A	Helford River	Mellingoose	R19A029	SW 6835 2679	1909	RZ	90			SW 6826 2676	Mellingoose	Note A
HELDFORD - 19A	Helford River	upstream of Gweek Mill	R19A005	SW 7039 2649 165	1910	R	90		93	SW 7020 2647	u/s Gweek Mill	
HELDFORD - 19A	Rosevear River	Rosevear	R19A006	SW 6970 2451 161	1911	RZ	90			SW 7036 2563	Rosevear	Note A CA
HELDFORD - 19A	Rosevear River	Ponson Tuel Ford	R19A043	SW 7033 2555	1953	R		91	93	SW 7033 2551	Ponson Tuel Ford	Note CA
HELDFORD - 19A	Manaccan River	Polkanoggo	R19A031	SW 7560 2224	1912	RZ	90			SW 7557 2210	Polkanoggo	Note A
HELDFORD - 19A	Manaccan River	Manaccan Road bridge	R19A027	SW 7640 2468	1913	R	90		93	SW 7638 2461	Manaccan Road Bridge	
HELDFORD - 19A	St Keverne Stream	Porthoustock Bridge	R19A017	SW 8058 2181	1914	R	90		93	SW 8047 2182	Porthoustock Bridge	Note CB
HELDFORD - 19A	Trevince Stream	Porth Navas Bridge	R19A002	SW 7524 2775	1954	RC		91	93	SW 7520 2776	Porth Navas Bridge	Note A
HELDFORD - 19A	Trelowarren Stream	Trelowarren Mill	R19A030	SW 7173 2483	1916	R	90		93	SW 7177 2478	Trelowarren Mill	
COASTAL - 19A	Porthallow Stream	Porthallow	R19A032	SW 7970 2318	1917	R	90		93	SW 7970 2316	Porthallow	Note CC
COASTAL - 19A	Mullion Stream	u/s harbour Porth Mellin	R19A012	SW 6679 1789	1955	R		91	93	SW 6685 1788	Mullion Cove	
COASTAL - 19A	Church Cove Stream	upstream of Cove	R19A018	SW 7129 1271	1956	RC		91	93	SW 7120 1288	Church Cove	Note A
COASTAL - 19A	Poltesco River	Poltesco Bridge	R19A016	SW 7244 1568	1918	R	90		93	SW 7236 1574	Poltesco Bridge	
COASTAL - 19A	Rynance Stream				1957	RC		91	93	SW 6840 1340	Rynance Cove	
COASTAL - 19A	Cury River	upstream of marsh	R19A067	SW 6826 2054	1984	R			93			* Note D CD
COASTAL - 19A	Cury River	u/s Poldhu Beach	R19A011	SW 6668 2002	1919	RC	90		93	SW 6675 2003	u/s Poldhu Beach	* Note B CE
COASTAL - 19A	Gunwalloe Stream	upstream of reed bed	R19A068	SW 6675 2210	1985	R			93			* Note D CF
COASTAL - 19A	Gunwalloe Stream	Winnianton Farm	R19A040	SW 6609 2070	1920	RC	90		93	SW 6610 2076	Winnianton Farm	* Note B
FAL - 19B	Penkevill Stream	Parson's Hill Wood	R19B004	SW 8709 4185	1981	R		91	93	SW 8706 4198	Parson's Hill Wood	* CG CH CI
FAL - 19B	Lamorran				1929	RC	90		93	SW 8806 4228	Lamorran Wood	Note CG CH
FAL - 19C	Fal	Tregoss Bridge	R19C001	SW 9655 6013	1958	R		91	93	SW 9663 6009	Tregoss Bridge	
FAL - 19C	Fal	Gaverigan Bridge	R19C002	SW 9373 5875 079	1921	R	90		93	SW 9373 5881	Gaverigan Bridge	
FAL - 19C	Fal	Retaw Bridge	R19C003	SW 9265 5696	1959	R		91	93	SW 9262 5700	Retaw Bridge	
FAL - 19C	Fal	Kernick Bridge	R19C011	SW 9325 5464 080	1922	R	90		93	SW 9321 5462	Kernick Bridge	
FAL - 19C	Fal	Terras Bridge (A0358)	R19C004	SW 9350 5328	1960	R		91	93	SW 9345 5335	Terras Bridge	
FAL - 19C	Fal	Grampound Bridge	R19C005	SW 9336 4844 081	1923	R	90		93	SW 9334 4845	Grampound Bridge	
FAL - 19C	Fal	Tregoney Gauging Station	R19C006	SW 9205 4473	1924	R	90		93	SW 9215 4486	Tregoney Gauging Station	
FAL - 19C	Fal	Tregoney Gauging Station	R19C006	SW 9205 4473	1986	RC			93	SW 88 42	Lamorran Wood	* Note CJ
FAL - 19C	Gwindra Stream	Nanpean Bridge	R19C014	SW 9632 5586	1961	R		91	93	SW 9641 5585	Nanpean Bridge	
FAL - 19C	Gwindra Stream	Goonabarn	R19C017	SW 9555 5491	1962	R		91	93	SW 9555 5491	Goonabarn	
FAL - 19C	Gwindra Stream	Gwindra Bridge	R19C008	SW 9510 5290	1925	R	90		93	SW 9503 5299	Gwindra Bridge	
FAL - 19C	Gwindra Stream	Treway Bridge	R19C009	SW 9380 5065 082	1926	R	90		93	SW 9409 5088	Treway Bridge	
FAL - 19C	Gwindra Stream				1963	RZ		91		SW 9512 5175	Coombe u/s confl	Note CK
FAL - 19C	Coombe Stream	Coombe	R19C021	SW 9512 5167	1982	R			93			Note CL
FAL - 19C	Bodalle Brook	Carsella	R19C018	SW 9409 5765	1927	R	90		93	SW 9404 5768	Carsella	
FAL - 19C	Trevithen Stream	Mellingoose	R19C016	SW 8955 4438	1928	R	90		93	SW 8952 4440	Mellingoose	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, & 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES	
		SITE	URN	NGF (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
FAL - 19D	Tresillian River	Trendeal	R19D033	SW 8868 5283	1964	R		91	93	SW 8866 5282	Trendeal		
FAL - 19D	Tresillian River	Ladock Water Pumping Station	R19D001	SW 8928 5102 171	1930	RC	90		93	SW 8927 5114	Ladock Water Pumping Station	Note A	
FAL - 19D	Tresillian River	Tresowgar Bridge	R19D002	SW 8855 4810	1931	R	90		93	SW 8853 4812	Tresowgar Bridge		
FAL - 19D	Tresillian River	d/s Ladock STW	R19D034	SW 8710 4695	1965	R		91	93	SW 8704 4691	d/s Ladock STW		
FAL - 19D	Tresillian River	Tresillian Pumping Station	R19D032	SW 8713 4706	1966	R		91	93	SW 8709 4706	Tresillian Pumping Station		
FAL - 19D	Kestle Stream	Candor Ford	R19D008	SW 8737 4770	1932	R	90		93	SW 8738 4902	Candor Ford		
FAL - 19D	Treworgans Stream				1967	RC		91	93	SW 8881 4851	Gumnow		
FAL - 19D	Trevella Stream	Frogmore Bridge	R19D009	SW 8576 4835	1933	RZ	90			SW 8585 4849	Frogmore Bridge	Note A	
FAL - 19D	Trevella Stream	Tregurra Bridge	R19D014	SW 8483 4689	1934	R	90		93	SW 8476 4684	Tregurra Bridge		
FAL - 19D	Allen	Idless Bridge	R19D018	SW 8218 4701 172	1935	R	90		93	SW 8220 4704	Idless Bridge		
FAL - 19D	Allen	Moresk Laundry Bridge	R19D004	SW 8268 4505	1968	R		91	93	SW 8268 4505	Moresk Laundry		
FAL - 19D	Trispen Stream				1969	RC		91	93	SW 8313 4989	Treworgan		
FAL - 19D	Minnis Stream				1970	RC		91	93	SW 8132 4829	Trevellan		
FAL - 19D	Kenwyn	New Mill	R19D016	SW 8085 4587 078	1936	R	90		93	SW 8077 4585	New Mill		
FAL - 19D	Kenwyn	Bosvigo Bridge	R19D007	SW 8161 4528	1937	R	90		93	SW 8155 4527	Bosvigo Bridge		
FAL - 19D	Calenick Stream	Hugus	R19D025	SW 7840 4381	1971	R		91	93	SW 7841 4380	Hugus		
FAL - 19D	Calenick Stream	Calenick Bridge	R19D006	SW 8220 4310	1938	R	90		93	SW 8200 4320	Calenick Bridge		
FAL - 19D	Brighton Stream	New Mills	R19D005	SW 9001 5228	1939	R	90		93	SW 9010 5239	New Mills		
FAL - 19D	Zelah Brook	Gwarnick Mill	R19D030	SW 8165 4923	1972	R		91	93	SW 8161 4929	Gwarnick Mill		
FAL - 19D	Boscolla Stream	Boscolla Ford	R19D023	SW 8015 4629	1983	R?			93			* Note C CH	
FAL - 19D	Shortlandsend Stream	Roseworthy	R19D015	SW 8000 4710	1973	RC?		91	93	SW 8000 4709	Roseworthy	* Note A CH	
FAL - 19E	Carnon River	Chacewater Viaduct	R19E016	SW 7446 4520	1974	R		91	92	93	SW 7443 4521	Chacewater Viaduct	
FAL - 19E	Carnon River	d/s Chacewater STW	R19E008	SW 7540 4328	1975	R		91	92	93	SW 7530 4331	d/s Chacewater STW	
FAL - 19E	Carnon River	Twelveheads	R19E001	SW 7618 4194 122	1940	R	90		92	93	SW 7615 4206	Twelveheads	
FAL - 19E	Carnon River	County adit discharge	XXXX R19E002	SW 7660 4170		X						Note F	
FAL - 19E	Carnon River	d/s County and Wellington adit	R19E015	SW 7669 4146	1976	R		91	92	93	SW 7695 4150	d/s County and Wellington adit	
FAL - 19E	Carnon River	Bissoe Bridge	R19E003	SW 7758 4115	1977	R		91	92	93	SW 7748 4128	Bissoe Bridge	
FAL - 19E	Carnon River	Devoran Bridge	R19E004	SW 7910 3941	1978	R		91	92	93	SW 7909 3942	Devoran Bridge	
FAL - 19E	Baldhu Stream	Bissoe Bridge	R19E021	SW 7760 4146	1941	R	90		92	93	SW 7760 4149	Bissoe Bridge	
FAL - 19E	Hick's Mill Stream	Hick's Mill	R19E019	SW 7673 4115	1942	R	90		92	93	SW 7676 4113	Hick's Mill	Note CH
FAL - 19E	Perranwell Stream	Perranwell	R19E020	SW 7758 3940	1943	R	90		92	93	SW 7759 3939	Perranwell	
FAL - 19E	Kennal	Tregolls Bridge	R19E005	SW 7300 3613	1944	R	90		92	93	SW 7295 3605	Tregolls Bridge	
FAL - 19E	Kennal	Ponsanooth Gauging Station	R19E006	SW 7631 3768 077	1945	R	90		92	93	SW 7562 3795	Ponsanooth Gauging Station	
FAL - 19E	Kennal	Sticken Bridge	R19E007	SW 7735 3819	1979	R		91	92	93	SW 7735 3819	Sticken Bridge	
FAL - 19E	Stithlens Stream	Seaurough Moor	R19E023	SW 7349 3735	1946	R	90		92	93	SW 7343 3747	Seaurough Moor	
FAL - 19E	St Day Stream	prior to R. Carnon	R19E022	SW 7595 4225	1980	R		91	92	93	SW 7595 4225	Twelve Heads prior to R Carnon	Note CO
COBER - 20A	Cober	Trehear Bridge	R20A001	SW 6810 3138 084	2001	RD	90	91	92	93	SW 6828 3144	Trehear Bridge	
COBER - 20A	Cober	Coverack Bridge	R20A008	SW 6686 3013	2005	R		91	92		SW 6688 3012	Coverack Bridge	
COBER - 20A	Cober	Lowertown Bridge	R20A003	SW 6580 2913 085	2002	RD	90	91	92	93	SW 6594 2910	Lowertown Bridge	
COBER - 20A	Cober	Halston Park Gauging Station	R20A009	SW 6548 2723	2006	R		91	92		SW 6553 2730	Halston Park	
COBER - 20A	Cober	d/s Helston STW	R20A004	SW 6526 2681	2007	R		91	92		SW 6524 2679	d/s Helston STW	
COBER - 20A	Loe Pool	Loe Pool at Bar outfall	R20A005	SW 6425 2428	2003	R	90		92		SW 6430 2428	Loe Pool at Bar outfall	
COBER - 20A	Tolcarne Stream				2008	RC		91	92		SW 6876 3470	Tolcarne	
COBER - 20A	Bodilly Stream	Bodilly Mill	R20A002	SW 6700 3185	2004	RD	90	91	92	93	SW 6700 3185	Bodilly Mill	
COBER - 20A	Medlyn Stream	Chy Bridge	R20A006	SW 6935 3263	2009	R		91	92		SW 6937 3263	Lower Polkellis	
COASTAL - 20A	Releath Stream				2010	RC		91	92		SW 6625 3270	Vellanewson	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
COASTAL - 21A	Porthleven Stream	Penbro	R21A013	SW 6283 2825		2112	R		91	93	SW 6284 2826	Penbro	
COASTAL - 21A	Porthleven Stream	upstream of harbour	R21A010	SW 6273 2600		2101	R		90	93	SW 6275 2595	upstream from harbour	
COASTAL - 21A	Marazion River	Nancludra	R21A028	SW 4965 3603		2113	R		91	93	SW 4944 3610	Nancludra	Note CP
COASTAL - 21A	Marazion River	Cucurrian Mill	R21A001	SW 5034 3494		2121	R			93			Note C CP
COASTAL - 21A	Marazion River	Truthwell Mill Bridge	R21A002	SW 5237 3247 076		2102	R		90	93	SW 5247 3257	Truthwell Mill Bridge	Note CP
COASTAL - 21A	Tragillove Stream	Gwallon	R21A026	SW 5256 3213		2114	R		91	93	SW 5258 3213	Gwallon	
COASTAL - 21A	Travaylor Stream	Trythogga	R21A022	SW 4769 3180		2103	R		90	93	SW 4764 3183	Trythogga	
COASTAL - 21A	Rosemorran Stream	Kenegie Cottage	R21A021	SW 4788 3220		2115	R		91	93	SW 4788 3222	Kenegie Cottage	
COASTAL - 21A	Rosemorran Stream	A 30 bridge at Chyandour	R21A008	SW 4812 3115		2104	R		90	93	SW 4812 3113	A30 Bridge at Chyandour	
COASTAL - 21A	Chyandour Brook	A 30 bridge at Chyandour	R21A006	SW 4785 3102 075		2105	R		90	93	SW 4782 3104	A30 Bridge at Chyandour	
COASTAL - 21A	Lariggan River	Wherry Town Bridge	R21A007	SW 4675 2945 073		2106	R		90	93	SW 4608 2995	Wherry Town Bridge	
NEWLYN - 21A	Newlyn River	Skimmel Bridge	R21A003	SW 4335 3018		2107	R		90	93	SW 4332 3020	Skimmel Bridge	
NEWLYN - 21A	Newlyn River	Buryas Bridge	R21A004	SW 4475 2908		2111	R		90	93	SW 4460 2910	Buryas Bridge	
NEWLYN - 21A	Newlyn River	Stable Hobba	R21A027	SW 4550 2931		2116	R		91	93	SW 4542 2930	Stable Hobba	
NEWLYN - 21A	Newlyn River	Newlyn Bridge	R21A005	SW 4625 2903 074		2108	R		90	93	SW 4609 2914	Newlyn Bridge	
NEWLYN - 21A	Tereife Stream	Dennis Place	R21A019	SW 4461 3005		2117	R		91	93	SW 4457 3008	Dennis Place	
NEWLYN - 21A	Tereife stream	prior to Newlyn River	R21A020	SW 4520 2928		2118	R		91	93	SW 4519 2932	prior to Newlyn River	
COASTAL - 21A	Lamorna Stream	Lamorna	R21A011	SW 4502 2410		2109	R		90	93	SW 4500 2416	Lamorna	
COASTAL - 21A	Corn Dony Stream	Trewoolfe	R21A015	SW 4401 2524		2110	R		90	93	SW 4390 2520	Trewoolfe	Note CD
COASTAL - 21A	Fiddlers Brook					2119	RC		91	93	SW 4321 2661	Bojewans	
NEWLYN - 21A	Sancreed Brook	Little Sellan Bridge	R21A017	SW 4256 2975		2120	R		91	93	SW 4231 2981	Little Sellan Bridge	
COASTAL - 22A	Penberth Stream	Penberth Bridge	R22A009	SW 4012 2287		2201	R		90	93	SW 4008 2295	Penberth Bridge	
HAYLE - 22A	Angarrack Stream	Nanpusker	R22A014	SW 5885 3737		2207	R		91	93	SW 5885 3734	Nanpusker	
HAYLE - 22A	Angarrack Stream	Phillack - Copperhouse	R22A001	SW 5687 3810		2202	R?		90	93	SW 5699 3834	Phillack - Copperhouse	* Note CR
HAYLE - 22A	Angarrack Stream	Phillack - Copperhouse	R22A001	SW 5687 3810		2218	R?			93			* Note CR
COASTAL - 22A	Tregeseal Stream	prior to sea	R22A007	SW 357 325		2208	R		91	93	SW 3590 3235	prior to sea	Note CS
COASTAL - 22A	Zennor Stream	Zennor	R22A008	SW 453 387		2209	R		91	93	SW 4540 3846	Zennor	
HAYLE - 22A	Nance Stream	Lelant	R22A005	SW 5411 3650		2203	R		90	93	SW 5407 3647	Lelant	
HAYLE - 22A	Stennack River	Bussow Reservoir	R22A013	SW 5015 3915			L						
HAYLE - 22B	Hayle	B 3303 bridge, Crowan	R22B014	SW 6382 3466		2210	R		91	93	SW 6375 3467	B 3303 bridge Crowan	
HAYLE - 22B	Hayle	Drym Farm	R22B015	SW 6203 3378		2211	R		91	93	SW 6205 3382	Drym Farm	
HAYLE - 22B	Hayle	Binner Bridge	R22B001	SW 6110 3273		2212	R		91	93	SW 6115 3277	Binner Bridge	
HAYLE - 22B	Hayle	Godolphin Bridge	R22B002	SW 5961 3241 086		2204	R		90	93	SW 5969 3246	Godolphin Bridge	
HAYLE - 22B	Hayle	Relubbus	R22B003	SW 5661 3196		2213	R		91	93	SW 5664 3193	Relubbus	
HAYLE - 22B	Hayle	St Erth Gauging Station	R22B004	SW 5490 3508 087		2205	R		90	93	SW 5493 3507	St Erth Gauging Station	
HAYLE - 22B	Bosworgy Stream					2214	RC		91	93	SW 5610 3299	Tranmack	
HAYLE - 22B	Millpool Stream	Millpool	R22B013	SW 5761 3145		2206	R		90	93	SW 5715 3138	Millpool	
HAYLE - 22B	Binner Down Adit	Binner Down adit	XXXX R22B006	SW 6110 3280			X						
HAYLE - 22B	Godolphin Stream	Gwedna	R22B017	SW 6040 3212		2213	R		91	93	SW 6043 3208	Gwedna	
HAYLE - 22B	Nancegollan Stream	Trenwheel	R22B016	SW 6145 3307		2216	R		91	93	SW 6145 3306	Trenwheel	
HAYLE - 22B	St Erth Stream	Treloweth	R22B018	SW 5430 3556		2217	R		91	93	SW 5435 3558	Treloweth	
RED - 23A	Red River	u/s Brae Tin Works	R23A001	SW 6690 3930		2314	R		91	93	SW 6692 3917	u/s Brae Tin Works	Note CT
RED - 23A	Red River	u/s South Crofty Mine	R23A002	SW 6613 4090		2315	R		91	93	SW 6615 4088	u/s South Crofty Mine	Note CU

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, & 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
RED - 23A	Red River	Rosecroghan Bridge	R23A003	SW 6502 4201	123	2301	R	90		93	SW 6498 4197	Rosecroghan Bridge	
RED - 23A	Red River	Dolcoath adit discharge	XXXX R23A004	SW 6579 4189			X						
RED - 23A	Red River	Kieve Bridge	R23A005	SW 6293 4230		2316	R		91	93	SW 6292 4228	Kieve Bridge	
RED - 23A	Red River	Gwithian Towans	R23A006	SW 5825 4222		2302	R	90		93	SW 5880 4200	Gwithian Towans	Note CV
RED - 23A	Roseworthy Stream	Botetoe Bridge	R23A038	SW 6373 3774	124	2303	R	90		93	SW 6404 3765	Botetoe Bridge	
RED - 23A	Roseworthy Stream	Penponds	R23A008	SW 6302 3908		2317	R		91	93	SW 6304 3907	Penponds	
RED - 23A	Roseworthy Stream	Nancemellin	R23A009	SW 6062 4107		2304	R	90		93	SW 6064 4097	Nancemellin	
RED - 23A	Prase River	Carganwen No 1 Reservoir	R23A050	SW 6508 3521			L						
RED - 23A	Prase River	Prase	R23A045	SW 6400 3563		2318	R		91	93	SW 6409 3558	Prase-an-Beebie	
RED - 23A	Prase River	Barrripper	R23A037	SW 6330 3819		2305	R	90		93	SW 6334 3815	Barrripper	
RED - 23A	Tehidy Stream	Old Herrose	R23A041	SW 6510 4327		2319	R		91	93	SW 6513 4327	Old Herrose	
RED - 23A	Tehidy Stream	Coombe	R23A017	SW 6299 4240		2306	R	90		93	SW 6298 4238	Coombe	
RED - 23A	Tehidy Stream	Tolvaddon Bridge	R23A042	SW 6637 4217		2320	R		91	93	SW 6633 4220	Tolvaddon Bridge	Note CW
RED - 23A	Reen Stream	above Old Mheal Pendarves disc	R23A039	SW 6471 3806			X						* Note D
RED - 23A	Reen Stream	Ramsgate	R23A007	SW 6416 3849		2307	R	90		93	SW 6420 3845	Ramsgate	
COASTAL - 23A	Portreath Stream	Bridge (d/e Cambrose)	R23A015	SW 6736 4487	125	2308	R	90		93	SW 6708 4495	Bridge	
COASTAL - 23A	Redruth Stream	North Country bridge	R23A014	SW 6896 4386		2330	R		91	93	SW 6899 4379	North Country Bridge	
COASTAL - 23A	Redruth Stream	below Old Concord Minerals	XX R23A062	SW 6855 4503			X						* Note D
COASTAL - 23A	Mawla Stream					2322	RC		91	93	SW 6873 4529	Pigallie Mawla	
COASTAL - 23A	Cambrose Stream					2321	RC		91	93	SW 6870 4528	Pigallie Cambrose	
COASTAL - 23A	Porthtowan Stream	Porthtowan Bridge	R23A013	SW 6950 4747		2309	R	90		93	SW 6954 4740	Porthtowan Bridge	
COASTAL - 23A	Porthtowan Stream	Mount Hawke	R23A043	SW 7142 4795		2331	R		91	93	SW 7141 4795	Banns Vale	Note CX
COASTAL - 23A	Menagissey Stream	Menagissey Bridge	R23A052	SW 7101 4626		2323	R		91	93	SW 7082 4638	Menagissey Bridge	
COASTAL - 23A	Trevellas Stream	u/s Trevalance Cove	R23A051	SW 7280 5172		2310	R	90		93	SW 7284 5166	u/s Trevalance Cove	
COASTAL - 23A	Bolingsy Stream	Perranwell	R23A048	SW 7685 5286		2324	R		91	93	SW 7691 5287	Perranwell	
COASTAL - 23A	Bolingsy Stream	Ponsmere Bridge	R23A011	SW 7602 5443		2311	R	90		93	SW 7604 5432	Ponsmere Bridge	
COASTAL - 23A	Perranporth Stream	Silverwell	R23A046	SW 7473 4775		2325	R		91	93	SW 7471 4770	Silverwell	
COASTAL - 23A	Perranporth Stream	Mithian	R23A047	SW 7467 5060		2326	R		91	93	SW 7468 5055	Mithian	
COASTAL - 23A	Perranporth Stream	Pleasure Gardens Perranporth	R23A012	SW 7560 5407		2312	R	90		93	SW 7555 5396	Pleasure Gardens Perranporth	
COASTAL - 23A	Penwartha Stream					2327	RC		91	93	SW 7583 5226	Penwartha	
COASTAL - 23A	Holywell Stream	Trelaska	R23A049	SW 7893 5681		2328	R		91	93	SW 7894 5679	Trelaska	
COASTAL - 23A	Holywell Stream	Holywell Bay Bridge	R23A010	SW 7673 5885		2313	R	90		93	SW 7680 5868	Holywell Bay Bridge	
COASTAL - 32A	Treambla Stream					2329	RC		91	93	SW 7842 5606	Trinkiat	
COASTAL - 23A	St Agnes Stream	prior to culvert St Agnes	R23A016	SW 7217 5138		2332	R		91	93	SW 7212 5128	prior to culvert St Agnes	
COASTAL - 23A	Porth Joke Stream	Trevovah	R23A103	SW 790 596		2333	RZ	90			SW 7900 5967	Trevovah	NoteCY C3 DA
COASTAL - 23A	Porth Joke Stream	prior to beach	R23A061	SW 7736 6028		2334	R		91	93	SW 7728 6039	prior to beach	NoteCY C3 DB
GANNEL - 24A	Gannel	Ferrose	R24A008	SW 8842 5827		2410	R		91	93	SW 8846 5826	Ferrose	
GANNEL - 24A	Gannel	Kestle Mill Bridge	R24A005	SW 8500 5931		2402	R	90		93	SW 8510 5925	Kestle Mill Bridge	
GANNEL - 24A	Gannel	Gwills Gauging Station	R24A006	SW 8293 5927	126	2403	R	90		93	SW 8301 5929	Gwills Gauging Station	
GANNEL - 24A	Gannel	Trevemper	R24A009	SW 8192 5992		2411	R		91	93	SW 8194 5983	Trevemper	
GANNEL - 24A	Treloggan Stream	A 3075 roundabout	R24A018	SW 8196 6007		2404	R	90		93	SW 8196 6007	A3075 roundabout	
GANNEL - 24A	Newlyn East Stream	Rosecliston	R24A012	SW 8170 5880		2405	R	90		93	SW 8171 5877	Rosecliston	* Note DC
GANNEL - 24A	Benny Stream	Benny Mill Bridge	R24A004	SW 8416 5742		2406	R	90		93	SW 8421 5739	Benny Mill Bridge	
GANNEL - 24A	Benny Stream	Trewerry Mill	R24A010	SW 8373 5801		2407	R	90		93	SW 8373 5800	Trewerry Mill	
GANNEL - 24A	East Wheel Rose Str	East Wheel Rose Bridge	R24A001	SW 8347 5523		2412	R		91	93	SW 8346 5523	East Wheel Rose Bridge	
GANNEL - 24A	East Wheel Rose Str	Metha Bridge	R24A003	SW 8391 5635		2413	R		91	93	SW 8387 5632	Metha Bridge	
GANNEL - 24A	East Wheel Rose Str	Benny Bridge	R24A011	SW 8380 5727		2408	R	90		93	SW 8377 5712	Benny Bridge	
GANNEL - 24A	Tren Creek	d/s Trenance Road Newquay	R24A022	SW 8163 6112		2414	R			93			* Note D



Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.SITE CODE.		...YEAR....				.....BIOLOGICAL SITE.....		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
COASTAL - 25A	Porth Stream	Treagoose Ford Bridge	R25A004	SW 8033 6157	2525	R		91	92		SW 8838 6152	Treagoose Ford Bridge	*
COASTAL - 25A	Porth Stream	Melancoose	R25A009	SW 8615 6212 128	2501	R		90	92		SW 8621 6212	Melancoose	
COASTAL - 25A	Porth Stream	Rialton Bridge	R25A005	SW 8468 6232	2502	R		90	92		SW 8478 6231	Rialton Bridge	
COASTAL - 25A	St Mawgan Stream	Whipsiderry	R25A013	SW 8373 6327	2526	R		91	92		SW 8373 6338	Whipsiderry	
MENALHYL - 25A	Menalhyl	Tregamere	R25A014	SW 9270 6457	2527	R		91	92		SW 9266 6461	Tregamere	
MENALHYL - 25A	Menalhyl	St Columb Major Bridge	R25A001	SW 9141 6399	2528	R		91	92		SW 9145 6398	St Columb Major Bridge	
MENALHYL - 25A	Menalhyl	d/s St Columb STW	R25A011	SW 9041 6413	2529	R		91	92		SW 9046 6412	d/s St Columb STW	
MENALHYL - 25A	Menalhyl	St Mawgan Bridge	R25A002	SW 8726 6600 164	2503	R		90	92		SW 8730 6592	St Mawgan Bridge	
MENALHYL - 25A	Menalhyl	Mawgan Porth Bridge	R25A003	SW 8493 6716	2536	R						(u/s Mawgan Porth)	* Note DD
MENALHYL - 25A	Menalhyl	Mawgan Porth Bridge	R25A003	SW 8493 6716	2530	RE		91	92		SW 8492 6715	Mawgan Porth Bridge	* Note DD
MENALHYL - 25A	Gluiivan Stream	Gluiivan	R25A018	SW 8621 6692	2504	R		90	92		SW 8629 6693	Gluiivan	
MENALHYL - 25A	Tregatillian Stream	Tregatillian	R25A016	SW 9270 6323	2531	RC		91	92		SW 9269 6323	Tregatillian	Note A
MENALHYL - 25A	Reterth Stream	Reterth	R25A017	SW 9456 6360	2532	RC		91	92		SW 9434 6356	Reterth	Note A
COASTAL - 25A	Porthcothan Stream	Porthcothan road bridge	R25A008	SW 8594 7208	2505	R		90	92		SW 8597 7206	Porthcothan Road Bridge	
COASTAL - 25A	Penrose Stream				2533	RC		91	92		SW 8748 7061	Penrose	
COASTAL - 25A	Harlyn Water	Treearne Bridge	R25A026	SW 8890 7465	2555	R			92		SW 8891 7464	Treearne Bridge	* Note C DE
COASTAL - 25A	Harlyn Water	Harlyn Bridge	R25A007	SW 8787 7539	2506	R		90	92		SW 8802 7532	Harlyn Bridge	Note DE
COASTAL - 25A	St Merryn Brook				2534	RC		91	92		SW 8885 7431	Trevellos	Note DE
COASTAL - 25A	Issay Brook	Mellingey d/s trib	R25A024	SW 9206 7181	2507	R		90	92		SW 9212 7171	Mellingey	Note DF
CAMEL - 25A	Amble	St Kew Ford	R25A010	SX 0211 7678	2535	R		91	92		SX 0211 7678	St Kew Ford	
CAMEL - 25A	Amble	Chapel Amble Bridge	R25A006	SW 9988 7534 127	2508	R		90	92		SW 9988 7535	Chapel Amble Bridge	
CAMEL - 25A	Mountjoy Stream	Trewassick Bridge	R25A015	SW 8601 6182	2536	RC		91	92		SW 8606 6179	Trewassick Bridge	Note A
CAMEL - 25B	Palmoria Stream	Palmoria	R25B053	SW 984 717	2509	R		90	92		SW 9835 7159	Palmoria	
CAMEL - 25B	Camel	Slaughterbridge	R25B021	SX 1093 8555	2537	R		91	92		SX 1089 8559	Slaughterbridge	
CAMEL - 25B	Camel	Camelford Bridge	R25B001	SX 1067 8383 131	2510	R		90	92		SX 1067 8343	Camelford Bridge	
CAMEL - 25B	Camel	Pencarrow	R25B022	SX 1038 8270	2538	R		91	92		SX 1043 8278	Pencarrow	
CAMEL - 25B	Camel	Treearne Bridge	R25B002	SX 0975 8053	2539	R		91	92		SX 0968 8057	Treearne Bridge	
CAMEL - 25B	Camel	Gam Bridge	R25B003	SX 0887 7785	2540	R		91	92		SX 0890 7790	Gam Bridge	
CAMEL - 25B	Camel	Wenford	R25B023	SX 0580 7518	2541	R		91	92		SX 0849 7519	Wenford	
CAMEL - 25B	Camel	Tresarret Bridge	R25B004	SX 0888 7313	2542	R		91	92		SX 0882 7317	Tresarret Bridge	
CAMEL - 25B	Camel	Hollandbridge	R25B005	SX 0655 7150	2543	R		91	92		SX 0650 7150	Hollandbridge	
CAMEL - 25B	Camel	Dummere Bridge	R25B006	SX 0480 6781	2544	R		91	92		SX 0484 6780	Dummere Bridge	
CAMEL - 25B	Camel	below Scarlett's Well Camel out	STM15178	(SX 044 674)		X							* Note D
CAMEL - 25B	Camel	Nanstallon Bridge	R25B007	SX 0348 6741 129	2511	R		90	92		SX 0354 6741	Nanstallon Bridge	
CAMEL - 25B	Camel	Grogley	R25B008	SX 0153 6850	2545	R		91	92		SX 0144 6860	Grogley	
CAMEL - 25B	Camel	Polbrock	R25B029	SX 0138 6949	2546	R		91	92		SX 0145 6940	Polbrock	
CAMEL - 25B	Ruthern	Withiel Bridge	R25B027	SW 9981 6594	2547	R		91	92		SW 9971 6590	Withiel Bridge	
CAMEL - 25B	Ruthern	Grogley Downs Bridge	R25B028	SX 0161 6787	2512	R		90	92		SX 0157 6777	Grogley Downs Bridge	
CAMEL - 25B	Lanivet Stream	Lanivet	R25B014	SX 0373 6425 130	2513	R		90	92		SX 0358 6456	Lanivet	
CAMEL - 25B	Lanivet Stream	Hoopers Bridge	R25B015	SX 0390 6553	2514	RE		90			SX 0388 6546	Hoopers Bridge	Note A
CAMEL - 25B	Lanivet Stream	Nanstallon Bridge	R25B016	SX 0358 6728	2548	R		91	92		SX 0355 6730	Nanstallon	
CAMEL - 25B	St Lawrence Stream	A 30 bridge	R25B017	SX 0515 6595	2515	RC7		90	92		SX 0525 6586	A389 Bridge	* Note A DD
CAMEL - 25B	St Lawrence Stream	u/s St Lawrence STW	R25B040	SX 0450 6697 135	2516	R		90	92		SX 0456 6690	u/s St Lawrence STW	
CAMEL - 25B	St Lawrence Stream	prior to River Camel	R25B038	SX 0433 6731	2549	R		91	92		SX 0432 6732	prior to River Camel	
CAMEL - 25B	Dummere Stream	u/s Old Scarlett's Well STW dis	R25B066	SX 05526751		X							* Note D
CAMEL - 25B	Dummere Stream	Dummere	R25B026	SX 0478 6771	2517	R		90	92		SX 0475 6779	Dummere	
CAMEL - 25B	Clerkenwater	Clerkenwater	R25B018	SX 0688 6878	2518	R		90	92		SX 0688 6877	Clerkenwater	
CAMEL - 25B	Blisand Stream				2550	RC		91	92		SX 0905 7301	Lavethan Mills	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....		.SITE CODE.		...YEAR....				.....BIOLOGICAL SITE.....		NOTES
		SITE	URN	NGR (chem)	1980 1990	USE	90 91 92 93	NGR (bio)	SITE			
CAMEL - 25B	Shallow Water				2551	RC		91 92		SX 0912 7790	Jordan	
CAMEL - 25B	Stannon Stream	Trecarne	R25B029	SX 0975 8053	2519	R		90 92		SX 0978 8053	Trecarne	
CAMEL - 25B	Crowdy Stream	Crowdy Reservoir	R25B031	SX 1392 8323		L						
CAMEL - 25B	Crowdy Stream				2552	RC		91 92		SX 1110 8016	Newhall	
CAMEL - 25B	Davidstow Stream	Tregoodwell	R25B024	SX 108 833	2520	R		90 92		SX 1089 8327	Tregoodwell	
CAMEL - 25C	de Lank River	Bradford Bridge	R25C001	SX 1191 7543 132	2521	R		90 92		SX 1140 7593	Bradford Bridge	Note G
CAMEL - 25C	de Lank River	Keybridge	R25C002	SX 0888 7390	2522	R		90 92		SX 0890 7390	Keybridge	Note G
CAMEL - 25D	Allen	Knightsmill Bridge	R25D001	SX 0713 8063 133	2523	R		90 92		SX 0715 8067	Knightsmill Bridge	
CAMEL - 25D	Allen	Kellygreen Bridge	R25D002	SX 0455 7586	2553	R		91 92		SX 0455 7591	Kellygreen Bridge	
CAMEL - 25D	Allen	Sladesbridge	R25D003	SX 0107 7147 134	2524	R		90 92		SX 0106 7145	Sladesbridge	Note DI
CAMEL - 25D	Delabole Stream	Newhall Green	R25D009	SX 0700 8218	2554	R		91 92		SX 0701 8221	Newhall Green	
VALENCY - 26A	Valency	Anderton Ford	R26A006	SX 1388 9130	2605	R		91 93		SX 1377 9128	Anderton Ford	
VALENCY - 26A	Valency	Boscastle Bridge	R26A003	SX 0988 9128 137	2601	R		90		93 SX 0988 9128	Boscastle Bridge	
VALENCY - 26A	Lesnewth Stream				2606	RC		91 93		SX 1244 9070	Kalamiling	
COASTAL - 26A	Crackington Stream	Crackington Haven Bridge East	R26A001	SX 143 969	2607	R		91 93		SX 1432 9677	Crackington Haven Bridge East	Note DI DJ
COASTAL - 26A	Pengold Stream	Crackington Haven Bridge West	R26A002	SX 143 969 136	2602	RC		90		93 SX 1432 9647	Crackington Haven Bridge West	Note DK DL DM
COASTAL - 26A	Millook Stream	Millook	R26A004	SX 1848 0002	2603	R		90 93		SS 1849 0000	Millook	
COASTAL - 26A	Wanson Water	Wanson	R26A005	SS 1965 0096	2604	R		90 93		SS 1962 0099	Wanson	
STRAT/NEET - 27A	Strat	Bush	R27A015	SS 2316 0768	2710	R		91 93		SS 2329 0769	Bush	
STRAT/NEET - 27A	Strat	Stratton	R27A001	SS 2296 0632	2711	R		91 93		SS 2291 0645	Stratton	
STRAT/NEET - 27A	Strat	Hele Bridge	R27A002	SS 2157 0370 139	2702	RD		90 91 92 93		SS 2182 0377	Hele Bridge	
STRAT/NEET - 27A	Strat	Rodds Bridge	R27A003	SS 2110 0481	2703	RD		90 91 93		SS 2124 0477	Rodds Bridge	
STRAT/NEET - 27A	Strat	Rodds Bridge	R27A009	SS 2110 0481	2712	R		91 93		SS 2111 0479	Rodds Bridge	
STRAT/NEET - 27A	Bude Canal				2713	RDC		91 92 93		SS 2112 0461	200m u/s Rodds Bridge	
STRAT/NEET - 27A	Bude Canal				2704	R		90 93		SS 2074 0607	Falcon Bridge	
STRAT/NEET - 27A	Bude Canal	Falcon Bridge	R27A010	SS 2071 0615	2704	R		90 93		SS 2074 0607	Falcon Bridge	
STRAT/NEET - 27A	Neet	Langford Bridge	R27A007	SS 2353 0095	2705	R		90 93		SS 2353 0086	Langford Bridge	
STRAT/NEET - 27A	Neet	Hele Bridge	R27A008	SS 2155 0335 138	2706	RD		90 91 92 93		SS 2183 0330	Hele Bridge	
STRAT/NEET - 27A	Jacob Stream	Newmill Bridge	R27A006	SX 2158 9882	2707	RD		90 91 92 93		SX 2153 9873	Newmill Bridge	
STRAT/NEET - 27A	Grinscott Stream				2714	RC		91 93		SS 2472 0640	Cross Lanes	
COASTAL - 27A	Coombevalley Stream	Duckpool Cottage	R27A011	SS 2035 1170	2708	R		90 93		SS 2025 1165	Duckpool Cottage	
COASTAL - 27A	Tidna				2715	RC		91 93		SS 2060 1482	Tidna Bridge	Note DV
COASTAL - 27A	Harland Stream	Gooseham Mill	R27A016	SS 2314 1716	2709	R		90 93		SS 2324 1725	Gooseham Mill	
STRAT/NEET - 27A	South Week Stream	Kitsham Bridge	R27A005	SS 2312 0022	2701	R		90 93		SS 2315 0027	Kitsham	Note DO
COASTAL - 28A	Welcombe Stream	The Hermitage	R28A005	SS 2168 1836	2801	R		90 93		SS 2160 1830	30m d/s foothr The Hermitage	
COASTAL - 28A	Abbey River	Hartland Abbey	R28A003	SS 2380 2492	2802	R		90 93		SS 2383 2488	Hartland Abbey 50m u/s br	
COASTAL - 28A	Lyme Brook				2803	RC		91 93		SS 2258 2353	15m u/s waterfall	
TORRIDGE - 29A	Yeo [Bideford]	Foxdown	R29A001	SS 3815 2223	2929	R		91 92		SS 3809 2217	75m u/s br Foxdown	Note DP
TORRIDGE - 29A	Yeo [Bideford]	Tuckingmill	R29A002	SS 4018 2248	2901	R		90 92		SS 4015 2245	30e u/s Tuckingmill Bridge	
TORRIDGE - 29A	Yeo [Bideford]	Hoopers Yeo Bridge	R29A015	SS 4276 2313	2902	R		90 92		SS 4273 2317	25m u/s Hoopers Bridge	

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, & 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		SITE CODE		YEAR				BIOLOGICAL SITE		NOTES		
		SITE	URN	MGR (chem)	1980	1990	USE	90	91	92	93		MGR (bio)	SITE
TORRIDGE - 29A	Yeo (Bideford)	Heale House	R29A003	SS 4537 2350	140	2903	R	90	92		SS 4491 2793	opposite Edge Mill House	Note DQ	
TORRIDGE - 29A	Dunts	Hembury	R29A004	SS 4294 1782		2904	R	90	92		SS 4293 1777	30m u/s Hembury rd br		
TORRIDGE - 29A	Dunts	Orleigh Mills	R29A005	SS 4392 2241		2905	R	90	92		SS 4395 2242	50m u/s Yeo confluence (Orleigh		
TORRIDGE - 29A	Melbury Stream	Melbury Reservoir	R29A012	SS 3861 2010			L							
TORRIDGE - 29A	Lydeland Water	Water Bridge	R29A006	SS 4193 1838		2906	R	90	92		SS 4190 1838	50m u/s Tythecott Mill Bridge		
TORRIDGE - 29A	Huntshaw Water	Bridge	R29A026	SS 4791 2147		2943	R		91	92	SS 4794 2144	30m u/s br Weare Gifford		
TORRIDGE - 29A	Gannaton Stream	Gannaton Reservoir	R29A013	SS 4847 2505			L							
TORRIDGE - 29A	Jennett's Stream	Jennett's Reservoir	R29A014	SS 4441 2471			L							
<hr/>														
TORRIDGE - 29B	Torrige	Newbridge	R29B001	SS 5484 1121	070	2907	RD	90	91	92	93	SS 5489 1112	125m d/s New Bridge	
TORRIDGE - 29B	Torrige	Beaford Bridge	R29B002	SS 5426 1429		2937	R		91	92		SS 5428 1426	50m u/s Beaford Bridge	
TORRIDGE - 29B	Torrige	Undercleave	R29B038	SS 5179 1655		2938	R		91	92		SS 5178 1652	10m u/s track end Undercleave	
TORRIDGE - 29B	Torrige	Town Mills Torrington	R29B003	SS 4998 1838		2939	R		91	92		SS 4987 1870	300m d/s Town Mills Torrington	
TORRIDGE - 29B	Torrige	Rothern Bridge	R29B004	SS 4791 1974	071	2908	RD	90	91	92	93	SS 4780 1976	100m d/s Rothern Bridge	
TORRIDGE - 29B	Torrige	Beam Bridge	R29B034	SS 4737 2092		2940	R		91	92		SS 4731 2089	100m u/s Beam Bridge	
TORRIDGE - 29B	Langtree Lake	Service Farm	R29B046	SS 4776 1922		2936	R		91	92		SS 4774 1919	30m u/s br Servis Farm	
TORRIDGE - 29B	Woolleigh Brook	Castle Hill	R29B037	SS 5222 1714	143	2909	R	90	92			SS 5219 1714	25m d/s B3220 road br	Note DR
TORRIDGE - 29B	Common Lake	Tantons Plain	R29B039	SS 4931 1989		2910	R	90	92			SS 4940 1982	10m u/s Tantons Plain	Note DS
TORRIDGE - 29B	Mere	Coleford Bridge	R29B007	SS 5023 1326		2911	R	90	92			SS 5017 1325	50m u/s Coleford Bridge	
TORRIDGE - 29B	Mere	A 386 bridge at Merton	R29B008	SS 5265 1129		2912	R	90	92			SS 5238 1130	300m u/s A386 br 50m u/s pylon	
TORRIDGE - 29B	Mere	Greatwood	R29B009	SS 5498 1287		2913	R	90	92			SS 5480 1285	150m u/s fm br Greatwood	
TORRIDGE - 29B	Little Mere River	Wooladon Moor	R29B005	SS 5336 0841		2941	R		91	92		SS 5336 0841	25m u/s track br Wooladon Moor	* Note E
TORRIDGE - 29B	Little Mere River	below Meeth Ball Clay Works	R29B013	SS 5304 0955			X							
TORRIDGE - 29B	Little Mere River	Burymoor Bridge	R29B006	SS 5257 1108		2914	R	90	92			SS 5257 1105	20m u/s Burymoor Bridge	
TORRIDGE - 29B	Dolton Stream					2942	RC		91	92		SS 5531 1154	25m d/s track br u/s Torrige	
TORRIDGE - 29B	Peagham Stream	Town Mills	XXXX R29B050	SS 5005 1831			X							* Note D
<hr/>														
TORRIDGE - 29C	Torrige	Fordmill Farm	R29C001	SS 3251 1776		2915	R	90	92			SS 3246 1777	30m u/s rd br Fordmill Farm	
TORRIDGE - 29C	Torrige	Putford Bridge	R29C032	SS 3639 1592		2944	R		91	92		SS 3638 1613	225m u/s br 30m d/s quarry Put	
TORRIDGE - 29C	Torrige	Woodford Bridge	R29C002	SS 3987 1253	069	2916	RD	90	91	92	93	SS 3978 1268	200m u/s Woodford Bridge	
TORRIDGE - 29C	Torrige	Gidcott	R29C033	SS 4222 0942		2945	R		91	92		SS 4220 0941	20m u/s br Gidcott	
TORRIDGE - 29C	Torrige	Kingsley Mill	R29C003	SS 4696 0608		2917	R	90	92			SS 4610 0632	50m d/s Coham Br u/s Kingsley	
TORRIDGE - 29C	Torrige	Sheepwash	R29B035*	SS 487 057		2946	RE		91	92		SS 4865 0574	50m d/s bridge Sheepwash	Note B DT
TORRIDGE - 29C	Torrige	Rockhay Bridge	R29C004	SS 5064 0699		2918	R	90	92			SS 5060 0698	50m d/s Rockhay Bridge	
TORRIDGE - 29C	Torrige	Hele Bridge	R29C005	SS 5401 0632		2919	R	90	92			SS 5385 0613	250m u/s Hele Bridge	
TORRIDGE - 29C	Dipple Water	Dipple Bridge	R29C013	SS 3495 1776		2920	R	90	92			SS 3492 1787	150m u/s Dipple Bridge	
TORRIDGE - 29C	Cranford Water	Lane Mill Bridge	R29C044	SS 3415 2053		2935	RPU		91	92	93	SS 3407 2005	d/s rubbish and earth tip	Note DU
TORRIDGE - 29C	Cranford Water	Cranford Water	XXXX R29C046	SS 3413 2134			Pd			92	93	SS 3411 2132	Cranford Water	Note F
TORRIDGE - 29C	Waldon	Berridon Cottage	R29C010	SS 3184 1408		2947	R		91	92		SS 3182 1412	50m u/s br Berridon Cottage	
TORRIDGE - 29C	Waldon	Sutcombe	R29C030	SS 3468 1096		2921	R	90	92			SS 3465 1100	200m u/s Sutcombe Bridge	
TORRIDGE - 29C	Waldon	Waldon Bridge	R29C011	SS 3684 1041		2948	R		91	92		SS 3682 1042	10m u/s Waldon Bridge	
TORRIDGE - 29C	Waldon	Berry Farm	R29C042	SS 3922 0986		2949	R		91	92		SS 3910 0988	200m u/s br Berry Farm	
TORRIDGE - 29C	Waldon	Henscott Bridge	R29C012	SS 4151 0804	072	2922	R	90	92			SS 4137 0812	250m u/s Henscott Bridge	
TORRIDGE - 29C	Law	Hole Stock Bridge	R29C006	SS 4887 0003		2923	R	90	92			SS 4885 0005	50m u/s Hole Stock Bridge	
TORRIDGE - 29C	Law	Bloomaford	R29C025	SS 5078 0064		2950	R		91	92		SS 5090 0070	Bloomaford 3rd field from rd	
TORRIDGE - 29C	Law	Great Rutleigh	R29C007	SS 5140 0079		2951	R		91	92		SS 5140 0079	15m u/s br Great Rutleigh	
TORRIDGE - 29C	Law	Hatherleigh Bridge	R29C008	SS 5406 0416	144	2924	RD	90	91	92	93	SS 5398 0400	200m u/s Hatherleigh Bridge	
TORRIDGE - 29C	Law	Lewer Bridge	R29C009	SS 5313 0525		2952	R		91	92		SS 5318 0515	130m u/s Lewer Bridge	
TORRIDGE - 29C	Pulworthy Brook	Lewmoor Bridge	R29C063	SS 5070 0288		2974	R							* Note D DV

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1

JAD MURRAY-BLIGH

BIOMON1991.W20

10 February 1993

(preceded by first draft only)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH.....			SITE CODE.....			YEAR.....				BIOLOGICAL SITE.....		NOTES
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	
TORRIDGE - 29C	Pulworthy Brook	Furzehill	R29C021	SS 5268 0432	2953	R		91	92		SS 5250 0415	30m u/s hedge Furzehill		
TORRIDGE - 29C	Medland Brook	Waterhouse	R29C022	SS 5481 0133	2954	R		91	92		SS 5481 0131	10m u/s br Waterhouse		
TORRIDGE - 29C	Hookmoor Brook	Narracott Ford	R29C023	SS 5307 0072	2955	R		91	92		SS 5310 0070	15m u/s br Narracott		
TORRIDGE - 29C	Wagaford Water	Wagaford Bridge	R29C024	SS 4882 0168	2956	R		91	92		SS 4890 0168	75m d/s Wagaford Bridge		
TORRIDGE - 29C	North Lew Stream	North Lew	R29C026	SX 5075 9910	2957	R		91	92		SX 5075 9910	North Lew 55m u/s br	Note DW	
TORRIDGE - 29C	Stoney Stream	Coombe	R29C029	SX 5045 9700	2958	RC		91	92		SX 5044 9700	30m u/s ford Coombe	Note A DK	
TORRIDGE - 29C	Cookbury Stream	Bason Cross	R29C043	SS 4122 0801	2959	R		91	92		SS 4118 0795	125m u/s br Bason Cross		
TORRIDGE - 29C	Mussel Brook	Westover	R29C030	SS 4777 0645	2960	R		91	92		SS 4786 0654	125m u/s br Westover		
TORRIDGE - 29C	Whitely Water	Dippermill	R29C039	SS 4389 0638	2961	R		91	92		SS 4385 0638	40m u/s br Dipper Mill	*	
TORRIDGE - 29C	Clifford Water	Biteford	R29C040	SS 3021 1893	2962	R		91	92		SS 3020 1896	15m u/s br Biteford		
TORRIDGE - 29C	Seckington Water	Gorvin	R29C041	SS 2980 2001	2963	R		91	92		SS 2977 2006	75m u/s br Gorvin		
TORRIDGE - 29D	West Okement River	prior to Meldon Reservoir	R29D225	SX 5552 9058	2973	R			92		SX 5550 9055	Vellake 20m u/s stone br	Note C	
TORRIDGE - 29D	West Okement River	d/s Meldon Dam	R29D027	SX 5643 9184	2969	R		91	92		SX 5641 9190	100m u/s Red-a-Ven d/s Meldon		
TORRIDGE - 29D	West Okement River	100m d/s Red-A-Ven	R29D109	SX 564 921	2970	R		91	92		SX 5640 9205	30m u/s footbr d/s Red-a-Ven		
TORRIDGE - 29D	West Okement River	Meldon Viaduct	R29D032	SX 5647 9233	2971	R		91	92		SX 5649 9230	30m u/s Meldon Viaduct		
TORRIDGE - 29D	West Okement River	200m d/s of Meldon Quarry Brid	R29D030	SX 5667 9335	2972	R		91	92		SX 5664 9331	30m u/s Meldon Quarry br		
TORRIDGE - 29D	West Okement River	Okehampton Hospital	R29D002	SX 5865 9470	2932	R		90	92		SX 5850 9435	Okehampton Hosp d/s Castle car		
TORRIDGE - 29D	Okement	Knowle Bridge	R29D026	SX 5930 9630	2964	R		91	92		SX 5930 9639	100m d/s Knowle Bridge		
TORRIDGE - 29D	Okement	Brightley Bridge	R29D003	SX 5987 9745 141	2925	R		90	92		SX 5987 9750	75m d/s Brightley Bridge		
TORRIDGE - 29D	Okement	South Dornafo	R29D004	SS 5995 0013	2926	R		90	92		SS 5999 0002	South Dornafo		
TORRIDGE - 29D	Okement	below Jacobstove STW	WSTW0152B	SS 592 017	2965	R		91	92		SS 5920 0169	15m u/s A3072 br Jacobstove	* Note E	
TORRIDGE - 29D	Okement	Woodhall Bridge	R29D005	SS 5847 0340 142	2927	RD		90	91	92	93	SS 5845 0343	25m d/s Woodhall Bridge	
TORRIDGE - 29D	Okement	Iddesleigh Bridge	R29D006	SS 5679 0585	2966	R		91	92		SS 5690 0590	100m u/s Iddesleigh Bridge		
TORRIDGE - 29D	Beckamoor Brook	Terris Bridge	R29D052	SS 5820 0330	2928	R		90	91	92		SS 5818 0328	75m u/s Terris Bridge	Note DT
TORRIDGE - 29D	Jacobstove Stream				2967	RC		91	92		SS 5913 0161	20m u/s Okement confl		
TORRIDGE - 29D	Brightley Stream	Brightley Mill	R29D025	SX 5970 9709	2930	R		90	92		SX 5970 9703	25m u/s rd br Brightley Mill		
TORRIDGE - 29D	East Okement River	A30 Bridge at Okehampton	R29D001	SX 5887 9522	2931	R		90	92		SX 5898 9510	300m u/s A30 rd br at car park		
TORRIDGE - 29D	East Okement River	200m u/s Fotherford Rail	R29D031	SX 6046 9461	2968	R		91	92		SX 6048 9460	200m u/s Fotherford rail br		
TORRIDGE - 29D	Hole Brook	Monkokehampton	R29D007	SS 5829 0559	2933	R		90	92		SS 5836 0545	50m u/s Monkokehampton		
TORRIDGE - 29D	Red-A-Ven Brook	prior to West Okement River	R29D028	SX 5641 9199	2934	R		90	92		SX 5647 9200	75m u/s West Okement confluenc		
TAW - 30A	Caen	Velator Bridge	R30A002	SS 4855 3572 145	3001	R		90	92		SS 4887 3720	opp vicarage 75m u/s br		
TAW - 30A	Knowl Water	Old Railway Bridge	R30A006	SS 4878 3567	3002	R		90	92		SS 4903 3560	20m u/s Wrafton Bridge		
TAW - 30A	Bradford Water	Blakewell	R30A001	SS 5663 3583 146	3003	R		90	92		SS 5503 3427	25m d/s Bradford Bridge		
TAW - 30A	Venn	Landkey	R30A003	SS 5908 3102	3037	R		91	92		SS 5915 3104	100m u/s rd br Landkey		
TAW - 30A	Venn	Bishops Tawton	R30A004	SS 5679 3031 147	3004	R		90	92		SS 5853 3075	100m u/s Venn Bridge		
TAW - 30A	Croyde Stream					RC		91	92		SS 4488 3925	4m u/s footbr u/s Brookfield H		
TAW - 30A	Forda	Crowborough	XXXX R30A032	SS 4681 3975		Fd		91	92	93	SS 4684 3967	u/s discharge, Kennel Lane	Note F DZ	
TAW - 30A	Forda	Forda	XXXX R30A031	SS 4571 3914		Fd		91	92	93	SS 4678 3968	d/s Crowborough Farm	Note F DZ	
TAW - 30A	Forda	Croyde	R30A028	SS 4443 3918	3039	R		91	92		SS 4443 3918	15m u/s rd br Croyde	Note DZ	
TAW - 30A	Woolacombe Stream	prior to beach	R30A005	SS 4578 4355	3040	R		91	92		SS 4577 4357	10m u/s bridge		
TAW - 30B	Taw	Chenson	R30B001	SS 7021 0952	3041	R		91	92		SS 7000 0953	200m d/s br Chenson		
TAW - 30B	Taw	Kersham Bridge	R30B002	SS 6620 1356	3042	R		91	92		SS 6621 1353	30m u/s Kersham Bridge		
TAW - 30B	Taw	Newnham Bridge	R30B003	SS 6603 1732 148	3005	R		90	92		SS 6599 1701	350m u/s Newnham Bridge	Note EA	
TAW - 30B	Taw	Kingford	R30B004	SS 6239 1925	3043	R		91	92		SS 6251 1926	150m u/s rd br Kingford		
TAW - 30B	Taw	Umberleigh	R30B015	SS 6078 2372	3044	R		91	92		SS 6075 2345	250m u/s rd br Umberleigh		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH.....			.SITE CODE.		...YEAR....			.....BIOLOGICAL SITE.....		NOTES	
		SITE	URN	NGR (chem)	1980	1990	USE	90	91	92	93		NGR (bio)
TAW - 30B	Taw	Chapelton Footbridge	R30B014	SS 5822 2610	149	3006	R	90	92	SS 5830 2592	Chapelton 200m u/s footbridge		
TAW - 30B	Taw	New Bridge	R30B005	SS 5699 2828		3007	R	90	92	SS 5700 2825	75m u/s New Bridge		
TAW - 30B	Langham Lake	Langgridgeford	R30B016	SS 5715 2237		3045	R		91	92	SS 5717 2235	15m u/s B3227 rd br Langgridgef	
TAW - 30B	Langham Lake	Langham Bridge	R30B006	SS 5796 2610		3008	R	90	92	SS 5795 2608	100m u/s Langham Bridge		
TAW - 30B	Mully Brook	Hansford Bridge	R30B007	SS 6583 1582		3009	R	90	92	SS 6575 1560	300m u/s Hansford Bridge		
TAW - 30B	Hollocombe Water	Woodroberts	R30B008	SS 6280 1075		3046	R		91	92	SS 6278 1077	20m u/s bridge Woodroberts	
TAW - 30B	Hollocombe Water	Bridge Reeve	R30B009	SS 6617 1345		3010	R	90	92	SS 6608 1340	100m u/s Bridge Reeve Bridge		
TAW - 30B	Hawkridge Brook	Hawkridge Bridge	R30B012	SS 5947 2534		3011	R	90	92	SS 5950 2537	75m u/s Hawkridge Bridge		
TAW - 30B	Labdon Stream					3047	RC		91	92	SS 6788 1283	50m u/s Taw confluence	
TAW - 30C	Taw	A 30 Bridge at Sticklepath	R30C001	SX 6436 9402		3012	R	90	92	SX 6417 9393	300m u/s A30 br Sticklepath		
TAW - 30C	Taw	Rowden Moor	R30C002	SX 6549 9947	150	3013	R	90	92	SX 6550 9951	50m u/s East Rowden Bridge		
TAW - 30C	Taw	10m above Spire's Lake conflu	R30C015	SX 6583 0099			X					* Note D	
TAW - 30C	Taw	100m below Spire's Lake conflu	R30C016	SX 6581 0110			X					* Note D	
TAW - 30C	Taw	Yeo Farm	R30C003	SS 6513 0286		3048	R		91	92	SS 6511 0292	50m u/s br Yeo Farm	
TAW - 30C	Taw	Bondleigh	R30C004	SS 6578 0453		3049	R		91	92	SS 6578 0451	Bondleigh 10m u/s bridge	
TAW - 30C	Taw	Taw Bridge	R30C005	SS 6729 0659		3050	R		91	92	SS 6727 0649	100m u/s Taw bridge	
TAW - 30C	Taw	Higher Park	R30C006	SS 6968 0861		3014	R		90	92	SS 6963 0860	25m u/s Park Mill Bridge	
TAW - 30C	Spiras Lake	u/s North Tawton Dairy	R30C009	SS 6550 0090		3051	RD		91	92	93	SS 6545 0090	15m u/s track br u/s Tawton Da
TAW - 30C	Bulbow Brook	Bulbowbrook Bridge	R30C017	SS 6725 0698		3079	R					* Note D	
TAW - 30D	Yeo [Lapford]	Bow Bridge	R30D004	SS 7173 0174		3015	R	90	92	SS 7174 0170	20m u/s Bow Bridge		
TAW - 30D	Yeo [Lapford]	Zeal Monachorum	R30D012	SS 7317 0449		3052	R		91	92	SS 7311 0448	60m u/s br Down St Mary vineya	
TAW - 30D	Yeo [Lapford]	Bury Bridge	R30D005	SS 7377 0679	152	3016	R	90	92	SS 7373 0728	25m u/s Bury Barton Bridge		
TAW - 30D	Yeo [Lapford]	Nymet Bridge	R30D006	SS 7145 0926		3053	R		91	92	SS 7142 0929	30m d/s Nymet Bridge	
TAW - 30D	Dalch	Mill Barton	R30D001	SS 8147 1234		3017	R	90	92	SS 8143 1243	75m u/s Mill Barton Bridge		
TAW - 30D	Dalch	Cann's Mill Bridge	R30D011	SS 7851 1049		3054	R		91	92	SS 7859 1053	10m d/s Cann's Mill Bridge	
TAW - 30D	Dalch	below Lapford STW	WSTW3172B	SS 7365 0770	151	3018	R	90	92	SS 7502 0877	125m u/s Calves Bridge	* Note E	
TAW - 30D	Knighty Brook	A377	R30D013	SS 7373 0658		3055	R		91	92	SS 7385 0647	400m u/s Yeo confl	
TAW - 30D	Gissage Lake	Nympheyes Bridge	R30D009	SS 7270 0508			R					* Note D	
TAW - 30E	Little Dart River	New Bridge	R30E001	SS 7967 1492		3019	R	90	92	SS 7968 1492	30m u/s New Bridge		
TAW - 30E	Little Dart River	Stone Mill Bridge	R30E002	SS 7199 1310		3056	RZ		91	92	SS 7199 1307	30m u/s Stone Mill Bridge	
TAW - 30E	Little Dart River	Stone Mill Bridge	R30E002	SS 7199 1310		3076	R					(d/s Stone Mill Bridge) * Note EC	
TAW - 30E	Little Dart River	Dart Bridge	R30E003	SS 6691 1372	153	3020	R	90	92	SS 6705 1375	200m u/s Dart Bridge		
TAW - 30E	Huntacott Water	Chumleigh	R30E005	SS 6067 1384		3021	R	90	92	SS 6957 1387	60m u/s Chumleigh road bridge		
TAW - 30E	Sturcombe River	Bradford Tracy	R30E006	SS 8128 1623		3057	R		91	92	SS 8127 1624	Bradford Tracy	
TAW - 30F	Mole	North Molton	R30F001	SS 7435 2984	154	3022	R	90	92	SS 7440 2980	50m d/s North Molton Bridge		
TAW - 30F	Mole	Parkhouse	R30F002	SS 7206 2649		3058	R		91	92	SS 7204 2653	50m u/s br Park House drive	
TAW - 30F	Mole	prior to River Yeo	R30F003	SS 7310 2432		3059	RZ		91		SS 7274 2460	5m u/s crossing point d/s fence * Note ED	
TAW - 30F	Mole	prior to River Yeo	R30F003	SS 7310 2432		3075	R		92		SS 7308 2436	40m u/s footbr Little Hele * Note ED	
TAW - 30F	Mole	New Bridge	R30F004	SS 7248 2257		3023	R	90	92	SS 7250 2257	50m u/s New Bridge		
TAW - 30F	Mole	Mole Bridge	R30F005	SS 6767 2295		3060	R		91	92	SS 6771 2294	40m u/s Mole br Meathe Barton	
TAW - 30F	Mole	Head Barton	R30F006	SS 6674 1827	155	3024	R	90	92	SS 6667 1833	75m u/s Head Barton		
TAW - 30F	Little Silver Stream	Odam Bridge	R30F010	SS 7421 2060		3061	R		91	92	SS 7423 2058	30m u/s Odam Bridge	
TAW - 30F	Little Silver Stream	Alswear	R30F011	SS 7236 2208		3025	R	90	92	SS 7232 2204	100m u/s Alswear rd br		

Table 3.2 cont. ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1993 (incl 1980, 90, 91, &amp; 92)

VERSION 1 JAD MURRAY-BLIGH BIOMON1991.W20 10 February 1993  
(preceded by first draft only)

CATCHMENT	WATERCOURSE	SITE	CHEMICAL SITE DEFINING REACH			SITE CODE		YEAR				BIOLOGICAL SITE		NOTES
			URN	NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	
TAW - 30F	Crooked Oak	Ashmill	R30F023	SS 7836 2338		3062	R			91	92	SS 7833 2338	15m d/s br Ashmill	
TAW - 30F	Crooked Oak	A 373 Bridge at Alsweat	R30F007	SS 7247 2228	174	3026	R			90	92	SS 7573 2307	75m d/s Yeo Barton Bridge	
TAW - 30F	Yeo (Molland)	Bottreaux Mill	R30F008	SS 8211 2638		3027	R			90	92	SS 8222 2634	125m u/s Bottreaux Mill Bridge	
TAW - 30F	Yeo (Molland)	Varaby	R30F024	SS 7664 2632		3063	R			91	92	SS 7663 2634	20m d/s rd br Mornacott Moors	
TAW - 30F	Yeo (Molland)	Gristone	R30F009	SS 7316 2435	173	3028	R			90	92	SS 7403 2535	25m u/s Bish Mill Bridge	
TAW - 30F	North Radworthy Stream	Barham Bridge	R30F033	SS 7465 3363		3029	R			90	92	SS 7463 3355	25m d/s Barham Bridge	
TAW - 30F	Colley Lake	Lenton ford	R30F034	SS 6628 2017		3077	R							* Note D
TAW - 30F	Sheepwash Stream	Yeo Farm	R30F022	SS 7902 2663		3064	R			91	92	SS 7902 2666	20m u/s bridge	
TAW - 30G	Bray	Challacombe	R30G001	SS 6929 4105		3065	R			91	92	SS 6930 4104	10m d/s rd br Challacombe	
TAW - 30G	Bray	Leeham Ford	R30G011	SS 6776 3994	157	3030	R			90	92	SS 6785 4007	150m u/s Leeham Ford Bridge	
TAW - 30G	Bray	Brayford	R30G002	SS 6879 3473		3066	R			91	92	SS 6880 3478	75m u/s rd br Brayford	
TAW - 30G	Bray	Brayley Bridge	R30G003	SS 6907 3033		3036	R			90	92	SS 6910 3043	125m u/s Brayley Bridge	
TAW - 30G	Bray	Bray Bridge	R30G012	SS 6754 2567		3067	R			91	92	SS 6757 2562	40m u/s Bray Bridge	
TAW - 30G	Bray	Maethe Barton	R30G004	SS 6755 2299	156	3031	R			90	92	SS 6757 2303	50m u/s Maethe Barton Bridge	
TAW - 30G	Filleigh Stream					3068	RC			91	92	SS 6735 2790	50m u/s rd br	
TAW - 30G	Holewater Stream	Linkleyham Bridge	R30G005	SS 696 325		3032	R			90	92	SS 6967 3265	100m u/s Linkleyham Bridge	Note EE
TAW - 30G	Nadrid Water	Clapworthy	R30G013	SS 6761 2406		3069	R			91	92	SS 6765 2408	150m u/s rd br Clapworthy	
TAW - 30H	Yeo (Barnstaple)	Brockham Bridge	R30H001	SS 6034 4083		3033	R			90	92	SS 6035 4087	100m u/s Brockham Bridge	
TAW - 30H	Yeo (Barnstaple)	Collard Bridge	R30H006	SS 5956 3569	158	3034	R			90	92	SS 5958 3570	50m u/s Riversmead Bridge	
TAW - 30H	Chelchem Stream					3070	RC7			91	92	SS 6089 3565	10m d/s br Chelchem Mill School	
TAW - 30H	Chelchem Stream					3071	RC7			91	92	SS 6133 3551	50m u/s rd br	
TAW - 30H	Hakeford Stream						RC							* Note EF
TAW - 30H	Rye Stream	Bratton Fleming	R30H009	SS 6318 3774		3072	R			91	92	SS 6320 3773	10m u/s footbr Bratton Fleming	
TAW - 30H	Rye Stream	Loxhore Cross	R30H004	SS 6116 3658		3035	R			90	92	SS 6120 3658	25m u/s Loxhore Cross Bridge	
TAW - 30H	Clifton Brook					3073	RC			91	92	SS 6032 4105	30m u/s br The Old Rectory	
TAW - 30H	Kentisbury Brook					3074	RC			91	92	SS 6120 4220	15m d/s hedgeline Patchole Far	
COASTAL - 31A	Starridge	prior to Beach	R31A004	SS 5557 4818		3101	R			90	93	SS 5585 4743	Old Sawmill Inn 50m u/s rd br	
COASTAL - 31A	Heddon	d/s trentshoe Stream	R31A006	SS 6549 4841		3102	R			90	93	SS 6546 4817	Hunters Inn 150m u/s br	
COASTAL - 31A	Lee Stream	prior to Beach	R31A001	SS 4798 4650		3103	R			91	93	SS 4798 4650	immediately d/s fence Lee Bay	
COASTAL - 31A	East Wilder	prior to Beach	R31A002	SS 5178 4777		3104	R			91	93	SS 5162 4700	immediately u/s of island The	
COASTAL - 31A	West Wilder	prior to Beach	R31A002	SS 5178 4777		3107	R			91	93	SS 5115 4692	u/s Langleigh Country House Ho	
COASTAL - 31A	Hele Stream	prior to Beach	R31A003	SS 5355 4787		3105	R			91	93	SS 5352 4758	24m d/s bridge Hele Mill	
COASTAL - 31A	Umber	prior to Beach	R31A005	SS 5767 4725		3106	R			91	93	SS 5798 4692	22m d/s bridge	
LYN - 32A	West Lyn	Lyn Bridge	R32A003	SS 7198 4854		3201	R			90	93	SS 7185 4843	Sunny Lyn Caravan Park	
LYN - 32A	Barbrook	Dean	R32A006	SS 7087 4781	160	3202	R			90	93	SS 7085 4782	100m d/s pumping stn Dean	Note EG EH
LYN - 32A	East Lyn River	Leeford	R32A001	SS 7697 4829		3206	R			90	93	SS 7725 4825	opposite Hall Farm u/s Leeford	
LYN - 32A	East Lyn River	Lynmouth	R32A002	SS 7240 4946	159	3203	R			90	93	SS 7258 4933	Lynmouth Oakleigh u/s footbr	
LYN - 32A	East Lyn (Oare Water)					3205	RC			90	93	SS 8030 4743	150m u/s Oare Bridge	
LYN - 32A	Farley Water	Matarsmeet	R32A004	SS 7435 4858		3207	R			90	93	SS 7412 4785	100m d/s Hillsford Bridge	
LYN - 32A	Hoarok					3208	RC			91	93	SS 7402 4772	15m u/s bridge	
LYN - 32A	Badgworthy Water	Malsmead Bridge	R32A005	SS 7918 4770		3204	R			90	93	SS 7930 4728	200m d/s Badgworthy House	Note EI

#### 4. EXPLANATION OF SCHEDULE

##### 4.1 Definition of columns

CATCHMENT	=	NRA South West Region catchment code
WATERCOURSE	=	Name of the watercourse on which the site is located
<p>CHEMICAL SITE DEFINING REACH: most biological sites represent reaches of river monitored chemically. The reach is from the chemical site (or the tributaries' confluence) to the next chemical monitoring site upstream, or to the source.</p>		
SITE	=	Descriptive name
XXXX	=	Site not used for river quality classification (most are near-field sites for monitoring discharges)
URN	=	User Reference Number, asterisk indicates URNs which need to be confirmed or amended
NGR (chem)	=	Ordnance Survey National Grid Reference for chemical monitoring site
SITE CODE	=	Biological site code used for archiving and reporting
1980	=	Site code used for reporting the 1980 National Biological Survey. These sites were identified by 6 fig NGRs and their location may not correspond precisely with the NRA routine biological monitoring sites
1990	=	NRA routine biological site code - used in the Region, and for the National Biological Surveys and the National Biological Database. The first two digits refer to the catchment code number, the following digits are unique to the site. In the National Biological Database, the code is prefixed by the Regional code, 'NRA06'. In the National and Regional computer databases, the code is limited to 4 digits; 5 digit codes are truncated by adding 40 to the catchment number (first 2 digits) and subtracting 100 from the remaining three digits.
USE:		
C	=	sites not sampled chemically, but with RQOs; conductivity must be measured to enable RIVPACS to be used; see also use category c
D	=	key monitoring site, sampled every year - also used for monitoring the effect of drought
F	=	Discharge or other monitoring site, for biological monitoring; requiring identification to species; to be sampled once each year
L	=	Lake site: not included in this programme
R	=	Routine monitoring site
X	=	discharge monitored chemically and in routine chemical monitoring programme; not sampled biologically
Z	=	Site dropped from the routine biological monitoring programme as the reach is monitored from a different site
c	=	site not monitored chemically, but WITHOUT an RQO. Conductivity must be measured to enable RIVPACS to be used; see also use category C

d = downstream site of a pair of sites monitoring a discharge  
u = upstream site of a pair of sites monitoring a discharge  
YEAR = for previous years, years for which data for one or more samples exists; for current and future years, the planned programme

BIOLOGICAL SITE:

NGR (bio) = Ordnance Survey National Grid Reference

SITE = descriptive name

abbreviations: br = bridge  
confl = confluence  
fm = farm  
footbr = footbridge  
opp = opposite  
rd = road

4.2 Additional site-specific notes

See Table 4.1



Table 4

Additional notes, referred to in Table 3.2

	*	One or more changes to the entry since the last version of this schedule (25 March 1992)
Note A	—	Deleted from the chemical monitoring programme at the end of 1990.
Note B	—	Deleted from the chemical monitoring programme at the end of 1992.
Note C	—	Site added to chemical monitoring programme at beginning of 1992; added to the biological programme in 1992/1993.
Note D	—	Site added to chemical monitoring programme at beginning of 1993; added to the biological programme in 1993/1994 where appropriate.
Note E	—	Chemical site and URN changed as routine river programme merged with discharge and enclosed waters monitoring programmes
Note F	—	Chemical monitoring site not used for classification, but erroneously used for such in 1990 and 1991. Most are near field sites for monitoring discharges.
Note G	—	Sample used by IFE in 1990 for NCC research: invertebrates were identified to species by IFE.
Note H	AXE - 2A	Branscombe Stream at Branscombe Mouth: site 1201 replaced by 0244 in routine biological monitoring programme from 1992 as site 0201 is dredged regularly.
Note I	AXE - 2B	Axe at Axe Bridge: the biological sites at Nunford Dairy and Axe Bridge are on the same chemically monitored reach.
Note J	AXE - 2C	Axe at Clapton: site 0245 replaces site 0213 in routine monitoring programme from 1992, as chemical samplers had been taking the chemical samples from Clapton Bridge rather than Oathill Farm for a number of years.
Note K	AXE - 2C	Axe at Clapton Bridge: as Oathill Farm Weyford in chemical programme prior to 4 March 1992. Prior to 1992 the NGR for this chemical site was also that of Oathill Farm.
Note L	AXE - 2C	Mill Brook = Tilworth Stream on register of water quality objectives.
Note M	AXE - 2C	Chapplecroft Brook, 100 m u/s Axe confl: site moved 50m upstream from ST 3045 0000 6m u/s Axe confl. to present location in Summer 1992. The original sampling location was damaged by cattle.
Note N	AXE - 2C	Hewood Stream: as Henwood Stream in Asset Management Plan register of quality objectives, and on catchment map.
Note O	OTTER - 4B	Tale at Danes Mill: site 0410 replaced by 0426 in routine monitoring programme from 1992 as site 0410 is regularly dredged.
Note P	OTTER - 4B	Tale at Taleford: the 1980 National Survey biological site was at Cadhay, SY 093 960. The biological site was changed in 1990 because of an oversight.
Note Q	OTTER - 4B	Colaton Raleigh Stream at Popham: as Pophayes in 1990 chemical programme.
Note R	OTTER - 4B	Fairoak at Upottery: NGR in 1990 chemical programme (ST 2225 1038) was wrong.
Note S	OTTER - 4B	Odle Brook: site 0417 at Spurtham Farm replaced by site 0427 20m u/s Otter confl owing to construction work at Spurtham Farm.
Note T	EKE - 5A	Dawlish Water at Dawlish: site made inaccessible by dredging from Autumn 1990. Replaced by site 05105 from 1991.
Note U	EKE - 5C	Culm at Columjohn: there were difficulties locating this biological site in 1990, and no data was recorded. The precise location of the 1980 site 031 is not known. New site 0520 established in 1993.
Note V	EKE - 5C	Madford at Dunkerswell Abbey: the chemical monitoring site is u/s from the Bolham confluence.
Note W	EKE - 5C & 5E	Grand Western Canal: as Tiverton Canal (as part of Great Western Canal) in chemical and biological programmes prior to 1992.
Note X	EKE - 5C	Weaver at Highar Weaver: new monitoring site added 1993 to shorten reach lengths.
Note Y	EKE - 5C	Heron's Bank Stream: as Rull Leat, possibly erroneously, on chemical and biological programmes prior to 1991. As Heronsbank Stream on catchment maps and in chemical programme from 1992.
Note Z	EKE - 5E	New Bridge in Tiverton is also known as Kennedy Bridge.
Note AA	EKE - 5G	Haddeo at feeder into Upton Arm: biological site 05107 replaces 0548 at Cuckolds Combe, to better monitor water entering Wimbleball. Chemical monitoring site R05G020 likewise replaced R05G004 in 1993, therefore collect conductivity at 0548 in 1993.
Note AB	EKE - 5J	Creedy at Ashridge Bridge: take care to ensure that samples are taken from the correct location, locating this site caused problems in 1990, and it had to be re-sampled in 1991.
Note AC	EKE - 5K	Yeo [Creedy]: near Hittsleigh the Yeo is known as Hittsleigh Stream to distinguish it from the Leppford Yeo (catchment 30D). As Hittsleigh Stream in the routine chemical monitoring programme prior to 1992
Note AD	TEIGN - 6B	Ugbrook prior to R. Teign: the 1980 National Survey biological site 046 at Broadway (NGR SX 857 737) is now in a pipe. Site 0604 is a short distance away.
Note AE	TEIGN - 6B	Liverton Brook: as Ventiford Brook in chemical monitoring programme prior to 1990, and in biological programme prior to 1991.
Note AF	TEIGN - 6C	u/s Chagford: prior to 1993 site erroneously described as 50m d/s Rushford Bridge rather than Chagford Bridge. Chagford bridge is known locally also as Factory Bridge.
Note AG	Teign - 6C	Taign d/s Chagford, 0646: new site d/s Chagford STW added 1993 as this complements the chemical monitoring sites R06C003 (prior to 1993) and WSTW064B, both of which are d/s from the STW.
Note AH	TEIGN - 6C	Teign at Whetcombe: replaced chemical site at Crocombe (R06C006, SX 8485 8115) from 1992. Replace biological site 0633 by 0647 if necessary in 1993.
Note AJ	TEIGN - 6C	Teign at Chudleigh Bridge: the 1980 National Survey biological site 043 was at SX 858 783, 40m d/s Chudleigh Bridge. This is too deep to sample, so site 0609 is 400m d/s bridge.
Note AK	TEIGN - 6C	Clifford Stream is not a recognised name for this watercourse.
Note AL	TEIGN - 6C	Thornworthy Brook: site monitored chemically (enclosed waters programme) from 1992; acidification problems u/s Fernworthy Reservoir.

Table 4 cont. Additional notes, referred to in Table 3.2

Note AM	TEIGN - 6D	Becka Brook at Gift Shop footbridge: replaces chemical monitoring site at Newbridge (R06D010) to avoid salty road runoff, from 1991. Refer to Newbridge site for chemical data prior to 1991.
Note AN	DART - 7B	Ashburn (Yeo) at Old Totnes Road: new chemical and biological sites added 1993 to shorten reach lengths on Ashburn (Yeo).
Note AO	GARA - 8A	Gara at Torcross: Slapton Ley discharges to an underground culvert and thence directly onto the beach: there are no suitable places from which to take a biological sample.
Note AP	GARA - 8A	Slapton Stream at Deer Bridge: Iron Mill is in a nature reserve - inform the Reserve Warden at Slapton Ley Field Centre (Tel: (0548) 580466).
Note AQ	GARA - 8A	Slapton Stream at Deer Bridge: as Deepbridge on header file.
Note AR	GARA - 8A	Small Brook: as Fallapit in chemical programme prior to 1991 and in biological programme prior to 1992.
Note AS	COASTAL - 10B	Newton Stream: as Newton Creek in chemical and biological programmes prior to 1992, as Newton Ferrers Stream in chemical programme from 1992.
Note AT	PLYM - 11A	Torry Brook at Coleland Bridge: site destroyed by quarrying in Summer 1991. Unable to replace by new site 118 in 1992, try again in 1994/95.
Note AU	TAVY - 12B	Tamerton Foliot Stream at Tamerton Foliot: biological site 1279 replaced 1201 and chemical site site R12B005 replaced R12B004 for routine monitoring. (also at Tamerton Foliot) to include water from tributary entering near "The Kings Arms" from 1991
Note AV	TAVY - 12C	Lumburn at Shillamill: the NGR for this site was reported erroneously in the 1980 National Survey as SX 467 718
Note AW	TAVY - 12C	Moorstown Brook may possibly be a synonym, or incorporate Mount Tavy Stream and Pennycomequick Stream (check hydro map) As Moorstown Stream in biological programme prior to 1992.
Note ALA	TAVY - 12C	Colly Brook at Peter Tavy: retained in programme as the reach was assigned an RQO in the Asset Management Plan (Jan 1989).
Note AX	TAVY - 12D	Walkham at Bedford Bridge: as Maggie Bridge in chemical monitoring programme (from 1990).
Note AY	TAVY - 12E	Portontown Stream prior to R. Tamar: replaces chemical monitoring site at Grenoven Wood from 1991 as new site is more representative of the catchment as a whole. Biological site replaced in 1991.
Note AZ	TAMAR - 12F	Lee prior to confluence with R. Lyd: in 1980 National Survey sampled a short distance upstream at Lee (SX 447 837).
Note BA	TAMAR - 12G	Thrushel at Wrixhill Bridge: biological site 1297 was destroyed by road construction in Autumn 1991, and replaced by site 12143, a short distance upstream from site 1297, in 1992. Chemical monitoring site R12G002 moved a short distance upstream from SX 4655 8985 to SX 5656 8988 in early 1992.
Note BC	TAMAR - 12G	Wolf u/s Roadford Reservoir: site 12146 at Southweak may replace 1233 at Weak's Mill Bridge from 1994/95, as the new site is nearer the reservoir, d/s Germansweak, monitoring water entering the reservoir better. Chemical site R12G107 may replace R12G005 in 1993.
Note BD	TAMAR - 12G	Hanard Stream prior to Roadford Lake: added to routine chemical programme in June 1991 and to biological programme in 1992. Replaced the chemical site R12G011, deleted in 1989 as submerged by Roadford reservoir, and which was not monitored biologically.
Note BE	TAMAR - 12L	Derrill Water at Dux Bridge: deleted from routine biological programme 1991 as no difference between biological sites 1251 and 1252.
Note BF	TAMAR - 12L	Derrill Water at Dualstone Bridge: 12145 u/s Dualstone Bridge replaced 1252 Dualstone Bridge from Summer 1992. The new site is a short distance from the old, has better access, and is more representative of the reach as it includes a riffle.
Note BG	TAMAR - 12M	Bolesbridge Water at Waterloo Farm: replaces site 1258 from 1992, as site at Waterloo is nearer the confluence of Bolesbridge with the Ottery, and is further from the direct influence of a sewage works effluent.
Note BH	TAMAR - 12M	Canworthy Water prior to River Ottery: Canworthy Water as Can Water on catchment map, previously as Tuckingmill Stream on Header File: both Canworthy Water and Tuckingmill Stream are listed in the Register of Water Quality Objectives.
Note BJ	LHYNER - 12Q	Kelly Brook: as Hays Valley Stream in biological programme prior to 1992.
Note BK	LHYNER - 12R	Trecorne Stream: as Hay Lake on OS maps (1:50 000 & 1:25 000).
Note BL	SEATON - 13A	Seaton at Hendra Bridge: not whole river - leat.
Note BM	SEATON - 13A	Meheniot trib.: as Meheniot Stream in chemical programme from 1992. Check whether the site is on Meheniot Stream or a tributary of it in 1992. Chemical site name changed from at factory to at factory (bridge above trib.) in 1992. Check whether biological site should be replaced in 1992/1993.
Note BN	LOOE - 14C	Cannon Stream below waste disposal site: as d/s confluence with clean tributary Cannon Bridge in 1980 National Survey (Biology).
Note BO	LOOE - 14C	Cannon Stream u/s waste disposal site: chemical site erroneously described as d/s tip site prior to 1992. In 1993, check whether 1980 biological site 066 (SX 190 625) and site 1408 are u/s or d/s the tip.
Note BP	LOOE - 14C	Cannon Stream: as Trevillis Stream in 1980 National Survey (Biology), also known as Cannon Bridge Stream.
Note BQ	POWER - 15A	Pont Pill: as Pont in chemical monitoring programme prior to 1990, and in biological programme prior to 1992.
Note BR	POWER - 15A	Trebant Water as Penpoll in chemical monitoring programme prior to 1990, and in biological programme prior to 1992.
Note BS	POWER - 15A	Lerryn at Lerryn: replaced chemical (R15A001) and biological (1503) monitoring sites at Couch's Mill, which is tidal, from 1991.
Note BT	POWER - 15A	Bedellva Stream: as Lerryn in 1990 chemical monitoring programme, site name: 'Bocornoc Bedellva Stream', corrected in 1992 programme
Note BU	POWER - 15B	Northwood Brook: as Trenant Stream in register of water quality objectives.
Note BV	PAR - 16A	Rosevean Stream: as Rescorla Brook in 1990 chemical and biological programmes.
Note BW	PAR - 16A	Carbis Stream at Hendra: although this chemical site is not to be used for classification in 1992 it may replace R16A018 in 1993. Add to biological programme in 1992/1993, but do not delete 1613. This site to be used as a clean u/s control.
Note BX	PAR - 16A	Carbis Stream d/s Wheel Prosper mica dam: site description in chemical and biological programmes prior to 1992 was u/s mica dam.
Note BXA	ST AUSTELL - 18A	Hemabel Brook: no RQO in Asset Management Plan, January 1989, but stream does have an RQO and identified uses.
Note BY	HELDFORD - 19A	Porth Navas Stream at Trenarth Bridge: as Roskilling Bridge (spelling error of Roskellan Bridge) in 1990/1991 chemical monitoring programmes.

Table 4 cont.

Additional notes, referred to in Table 3.2

		As Roskellan Bridge in chemical programme from 1992.
Note BZ	HELFPORD - 19A	Gweek: chemical monitoring site at Danetto Cottage replaced site at Gweek Bridge, which is tidal, from 1991. New biological site 1951 added in 1991, but site 1908 at Gweek Bridge not deleted as this was a 1980 National Survey Site. The decision not to delete site 1908 is to be reconsidered if no difference between results from 1908 and 1951 in 1992/1993.
Note CA	HELFPORD - 19A	Rosevear River: chemical monitoring Ponson Tuel Ford replaces site at Rosevear which is too far upstream to be representative of the whole catchment (from 1991). Biological site (1911) replaced (by 1953) in 1991.
Note CB	HELFPORD - 19A	St Kaverne Stream: as Porthoustock Stream in register of water quality objectives.
Note CC	COASTAL - 19A	Pothallow at Porthallow: although the chemical monitoring site was slightly saline it was decided not to relocate it.
Note CD	COASTAL - 19A	Cury River upstream from marsh: a new chemical monitoring site, replacing R19A011 which was atypical as it was d/s from a marsh.
Note CE	COASTAL - 19A	Cury Stream = Poldhu River. As Poldhu River in biological programme prior to 1992.
Note CF	COASTAL - 19A	Gunvalloe Stream upstream from reed bed: a new chemical monitoring site replacing R19A040 which was atypical as it was d/s from a reed bed.
Note CG	FAL - 19C	Lamorran Stream at Lamorran Wood: the URN (R19C019) and NGR for this site in the chemical programme for 1990 actually applies to Penkevil Stream. at Penkevil Wood. Lamorran Stream has not been sampled chemically since 1989.
Note CH	FAL - 19C	Penkevil Stream at Parson's Hill Wood: this site erroneously called Lamorran Stream at Lamorran Wood in 1990 chemical programme.
Note CI	FAL - 19C	Penkevil Stream: also spelt Penkevel (by Ordnance Survey).
Note CJ	FAL - 19C	Fal at Lamorran Wood: new biological monitoring site added in 1993 in lower reaches of Fal as the previous most downstream site was 4.7 km u/s.
Note CK	FAL - 19C	Gwindra at Coombe: this site was sampled in 1991, instead of Coombe Stream at Coombe, in error.
Note CL	FAL - 19C	Coombe Stream at Coombe: Not sampled in 1990 or 1991 (in error).
Note CM	FAL - 19D	Boscolla at Boscolla Ford: erroneously monitored chemically on a tributary (Shortlandsend Stream) prior to 1992. In 1992/1993 replace biological site 1973 by a new site (1983) if necessary.
Note CN	FAL - 19E	Hick's Mill Stream: as Hickmill on header file.
Note CO	FAL - 19E	St Day Stream: as Tod/St Day Stream in chemical and biological programmes prior to 1992.
Note CP	COASTAL - 21A	Marazion River: also known as Red River.
Note CQ	COASTAL - 21A	Carn Euny Stream: as Lehe Stream in chemical programme prior to 1991 and in biological programme prior to 1992.
Note CR	HAYLE - 22A	Angerrack Stream at Phillack Copperhouse: in 1993 check that this site is unaffected by roadworks; check that the arm of the stream sampled biologically really does join with the more southerly arm sampled chemically at R22A001. Replace site 2202 by 2218 if necessary to take into account roadworks; sample both sites in 1993 to facilitate comparison.
Note CS	COASTAL - 22A	Tregeseal Stream: site and stream spelt as Tregeseal in feature file header and chemical monitoring programme (Version 6, 220290).
Note CT	RED - 23A	Red u/s Brea Tin Works: as 'point above Brea Tin Works' in the chemical monitoring programme (from 1990).
Note CU	RED - 23A	Red u/s South Crofty Mine: as 'point above South Crofty Mine' in chemical monitoring programme (from 1990).
Note CV	RED - 23A	Red at Gwithian Towns: chemical site on landward side of the road.
Note CW	RED - 23A	Tehidy Stream: as Tolvaddon Stream in 1990 routine chemical monitoring programme and in 1990 biological monitoring programme. The stream flows underground a short distance downstream from the site.
Note CX	COASTAL - 23A	Porthtowan Stream at Banna Vale (Mount Hawke), stream here known as Mount Hawke trib. in chemical and biological programmes prior to 1992.
Note CY	COASTAL - 23A	Porth Joke Stream: the routine chemical monitoring site was moved d/s from Trevovah (R23A103) SW 790 596) to just prior to the beach in 1991. Site location is critical as tidal d/s from site. Biological site 2334 replaced 2333 from 1990. (Note 2330 known as 2401 in 1990.)
Note CZ	COASTAL - 23A	Porth Joke Stream: as Crantock Stream on header file. Prior to 1991 erroneously listed in catchment 24A.
Note DA	COASTAL - 23A	Porth Joke Stream at Travovah: this site numbered 2401 prior to November 1991; as 2401 in 1990 National Survey.
Note DB	COASTAL - 23A	Porth Joke Stream prior to beach: this site numbered 2409 prior to November 1991.
Note DC	GANNEL - 24A	Newlyn East Stream at Rosecliston: the location of the chemical site was changed from SW 8195 5991 in 1990.
Note DD	HEMALHYL - 25A	Manalhyl at Mawgan Porth Bridge: site 2503 is saline on Spring tides; the site is to be replaced by 2556, further upstream, in 1994.95.
Note DE	COASTAL - 25A	Harlyn Water: as Harlyn Bay Stream in chemical monitoring programme (from 1990) and Asset Management Programme.
Note DF	COASTAL - 25A	Issey Brook at Mellingsy d/s trib: the chemical monitoring site was previously u/s (not d/s) trib; new URN but same 8 fig NGR. From 1991 this site replaces R25A019.
Note DG	CAMEL - 25B	St Lawrence Stream at A 30 Bridge: delete from routine biological programme if no difference between this and biological site 2516 in 1992/1993.
Note DH	CAMEL - 25D	Allen at Sladesbridge: tidal but freshwater.
Note DI	COASTAL - 26A	Crackington at Crackington Raven Bridge East - don't confuse with R26A002 (same 8 fig NGR). Crackington stream flows West-East.
Note DJ	COASTAL - 26A	Crackington Stream: as Ington Stream (erroneously) on feature file header. as CRACKINGTON/KINGTON Stream in 1990 chemical monitoring programme.
Note DK	COASTAL - 26A	Pengold Stream at Crackington Haven Bridge West: don't confuse with R26A001 (same 8 fig NGR). Pengold Stream flows South-North.
Note DL	COASTAL - 26A	Pengold Stream as Ld Stream (erroneously) on feature file header.
Note DM	COASTAL - 26A	Pengold Stream at Crackington Haven Bridge West: this site has not been in the routine chemical monitoring programme since the early 1980s.
Note DN	COASTAL - 27A	Tidna: as Tinda on register of water quality objectives.
Note DO	STRAT/NEET - 27A	South Weak Stream: as Kitsham Stream in register of water quality objectives.

Table 4 cont. Additional notes, referred to in Table 3.2

Note DP	TORRIDGE - 29A	Yeo at Foxdown: NGR for chemical site prior to 1990 (SS 382 234) was erroneous.
Note DQ	TORRIDGE - 29A	Yeo at Heale House: 1980 National Survey biological site (SS 452 234) was canalised and tidal in 1990, so the biological site 2903 was located 100m u/s.
Note DR	TORRIDGE - 29B	Woolleigh Brook: as Beaford in 1980 National Survey; as Beaford/Woolleigh in biological programme prior to 1992.
Note DS	TORRIDGE - 29B	Common Lake: also known as Darracott Stream and Common Lake Stream. As Darracott/Common Lake in chemical programme.
Note DT	TORRIDGE - 29C	Torrige at Sheepwash: chemical site used to calibrate continuous monitors. Was to be added to routine chemical programmes, but deleted in 1993. Deleted from the routine biological programme also in 1993.
Note DU	TORRIDGE - 29C	Cranford Water at Lane Mill Bridge: although this is an 'F' site was included in the National Survey; it was monitored chemically from 1991.
Note DV	TORRIDGE - 29C	Pulworthy Brook at Lewmoor Bridge: site added in 1993 to shorten the length of the reach monitoring Pulworthy Brook.
Note DW	TORRIDGE - 29C	North Lew at North Lew: NGR in routine chemical monitoring programme 1991 was SX 506 991.
Note DX	TORRIDGE - 29C	Stoney Stream: as trib. North Lew Stream in chemical and biological programmes prior to 1992.
Note DY	TORRIDGE - 29D	Beckamoor Brook at Trevis Bridge: stream dammed by farmer in Autumn 1990. Re-sampled in 1991.
Note DZ	TAW - 30A	Forda Stream: as Croyde/Forda in routine chemical monitoring programme from 1990, as Croyde Stream on catchment maps and in chemical programme from 1992.
Note EA	TAW - 30B	Taw at Newnham: biology site 3005 is approx 100m u/s 1980 site 148 because 1980 site is too deep and inaccessible.
Note EB	TAW - 30D	Knighty Brook: Ash Brook, Knathome Brook and Pepper Lake flow into Knighty Brook, as Ashbrook/ Knighty in chemical monitoring programme from 1990 to 1992, as Ash Brook from 1992.
Note EC	TAW - 30E	Little Dart Stream at Stone Mill Bridge: site 3056 u/s bridge replaced by 3075 d/s bridge in 1993 because Chauleigh STW discharge has been re-located to where 3056 was.
Note ED	TAW - 30F	Mole prior to River Yeo: site 3075 replaces 3058 from 1992 owing to incorrect NGR for chemical site R30F003 in chemical programme prior to 1992.
Note EE	TAW - 30G	Holewater Stream at Linkleyham Bridge: NGR in 1990 routine biological programme for chemical site R30G005 was SS 6961 3235.
Note EF	TAW - 30H	Hakeford Stream
Note EG	LYN - 32A	Barbrook at Dean: this site is on Barbrook, not on the West Lyn as recorded in the 1980 National Survey.
Note EH	LYN - 32A	Barbrook: also known as Dean Stream.
Note EI	LYN - 32A	Badgworthy Water at Malmstead: as Badgworthy Water at Malmhead in chemical programme and Malhead in feature header file, as Malmstead in chemical and biological programmes prior to 1992.

End

5. CHANGES TO THE ROUTINE BIOLOGICAL RIVER QUALITY MONITORING PROGRAMME

The following tables refer to the years in which the changes are effected, not the years in which the programme was altered.

Table 5.1 Sites added to the biological monitoring programme for 1991

CATCHMENT	WATERCOURSE	SITE	CODE
EXE - 5A	Dawlish Water	30m u/s footbr Brook House	05105
TAMAR - 12E	Portontown Stream	prior to River Tamar weir	1289
POWEY - 15A	Lerryn River	Lerryn	1510
HELDFORD - 19A	Gweak River	Danetto Bridge	1951
HELDFORD - 19A	Rosevear Stream	Ponson Tuel Ford	1953
COASTAL - 23A	Porth Joke Stream	prior to beach	2334

Table 5.2 Sites added to the biological monitoring programme for 1992

CATCHMENT	WATERCOURSE	SITE	CODE
AXE-2A	Branscombe Stream	Branscombe 5m d/s STW fence	0244
AXE - 2B	Bruckland Stream	u/s Musbury House d/s footbr	0246
AXE - 2C	Axe	25m u/s br Clapton	0245
OTTER - 4B	Tale	Danes Mill 25m u/s garden gate	0426
OTTER - 4C	Odle Brook	25m u/s Otter confl	0427
PLYM - 11A	Smallhangar Brook	prior to Tory Brook	1117
TAVY - 12B	Tamerton Foliot Stream	Tamerton Foliot (d/s trib)	1279
TAMAR - 12G	Thruskel	u/s Wraithill Bridge	12143
TAMAR - 12G	Hennerd Stream	prior to Roadford Lake	12142
TAMAR - 12L	Derrill Water	u/s Dualstone Bridge	12145
TAMAR - 12M	Bolesbridge Water	Waterloo Farm	12144
COASTAL - 25a	Harlyn Water	Treearne Bridge	2555
TORRIDGE -29D	West Okement River	Vellake 20m u/s stone br	2973
TAW - 30F	Mole	40m u/s footbr Little Hele	3075

Table 5.3 Sites added to the biological monitoring programme for 1993  
Site names in parentheses are provisional.

CATCHMENT	WATERCOURSE	SITE	CODE
EXE - 5C	Cula	(75 m d/s Columbusjohn Bridge)	0520
EXE - 5B	Cranney Brook	(Yellands)	05109
EXE - 5C	Spratford Stream	(Longbridge Meadow)	05108
EXE - 5C	Weaver	(Higher Weaver)	05106
EXE - 5G	Hackeo	(u/s Wimbleball Upton Arm)	05107
TEIGN - 6B	Sig	(u/s R Lemon)	0648
TEIGN - 6B	Langworthy Brook	(Hooks Bridge)	0650
TEIGN - 6C	Teign	60 yds d/s Rushford Bridge	0646
TEIGN - 6C	Teign	(Whetcombe Bridge)	0647
TEIGN - 6C	Scotley Brook	(Clifford Barton)	0651
TEIGN - 6C	Thornworthy Brook	(Thornworthy inflow)	0649
DART - 7B	Mardle	(Coombe)	0734
DART - 7B	Ashburn (Yeo)	(Rew Bridge)	0735
LOOE -14C	Connon Stream	(u/s waste disposal site)	1418
PAR - 16A	Par River	(A3082 Bridge)	1618
PAR - 16A	Carbis Stream	Hendre	1619
COASTAL - 19A	Cury River	(u/s marsh)	1984
COASTAL - 19A	Gumvalloe Stream	(u/s reed bed)	1985
FAL - 19C	Coombe Stream	(Coombe)	1982
FAL - 19D	Bo scollla Stream	(Bo scollla Ford)	1983

NGR	NOTE
SX 9540 7679	to replace 0507
SX 4143 7374	to replace 1216
SX 1432 5734	to replace 1503
SW 7062 2682	may replace 1908
SW 7033 2551	to replace 1911
SW 7728 6039	to replace 2333

NGR	NOTE
SY 2056 8830	to replace 0201
SY 2705 9295	
ST 4181 0627	to replace 0213
ST 0758 0340	to replace 0410
ST 1977 0619	to replace 0417
SX 5505 5740	
SX 4687 6090	to replace 1201
SX 4673 8992	to replace 1297
SX 4242 9380	
SS 3013 0059	to replace 1252
SX 2899 8823	to replace 1258
SW 8891 7464	
SX 5550 9055	
SS 7308 2436	to replace 3059

NGR	NOTE
	to replace 0548
SX 705 881	to replace 0607
R?	add if necessary to replace 0633
Rc	added to the enclosed chemical programme 1992

may replace 1919  
may replace 1920  
not sampled (in error) in 1991  
add if necessary to replace 1973

COASTAL - 21A	Marazion River	(Cucurrian Mill)	2121
GANNEL - 24A	Tren Creek	(d/s Trenace Road Newquay)	2414

Table 5.4 Sites added to the biological monitoring programme for 1994/1995  
Site names in parentheses are provisional.

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
PLYM - 11A	Tory Brook	(near Coleland Bridge)	1118	
TAMAR - 12G	Wolf	Southwek footbr	12146	
FAL - 19C	Fel	(u/s tidal limit)	1986	
MENALHYL - 25A	Menalhyl	(u/s Mawgan Porth Bridge)	2556	
TORRIDGE - 29C	Fulworthy Brook	(Lewmoor Bridge)	2974	
TAW - 30C	Bulrow Brook	(Bulrow Brook Bridge)	3079	
TAW - 30D	Gissage Lake	(Nymphayes Bridge)	3078	
TAW - 30E	Little Dart River	d/s Stone Mill Bridge	3076	
TAW - 30P	Colley Lake	Lenton Ford	3077	

Table 5.5 Biological sites moved in 1992

CATCHMENT	WATERCOURSE	OLD SITE	CODE	OLD NGR
AXE - 2C	Chappelcroft Brook	60 m u/s Axe confl	0237	ST 3045 0000 to

Table 5.6 Biological sites deleted from the programme for 1991

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
EKE - 5A	Dawlish Water	20m d/s footbr Car Park Dawlis	0507	SX 9565 7673
COASTAL - 23A	Porth Joke Stream	Trevovah	2333	SW 7900 5967

Table 5.7 Biological sites deleted from the programme for 1992

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
AXE - 2A	Branscombe Stream	25m u/s pylons Branscombe Mout	0201	SY 2068 8820
AXE - 2C	Axe	Oathill Farm, Weycroft	0213	ST 4035 0603
OTTER - 4B	Tele	50m u/s bridge Danes Mill	0410	ST 0755 0335
OTTER - 4B	Odle Brook	10m u/s track Spurtham Farm	0417	ST 1925 0640
TAVY - 12C	Moortown Brook	Mt House School	1207	SX 4930 7460
PLYM - 11A	Tory Brook	Coleland Bridge	1107	SX 5655 6075
TAMAR - 12G	Thrusel	Wriahill Bridge	1297	SX 4654 8987
TAMAR - 12M	Bolesbridge Water	200m d/s Navarino Bridge	1258	SX 2895 8818
CAMEL - 25B	Lanivet Stream	Hoopers Bridge	2514	SX 0388 6546
TAW - 30P	Mole	5m u/s crossing point d/s fenc	3059	SS 7274 2460



chemical site moved for 1993

NOTE

to replace 1107  
may replace 1233

to replace 2530

to replace 3056

NEW NGR

ST 3045 0010

NEW SITE

110m u/s Axe conf1

NOTE

replaced by 05105  
replaced by 2334

NOTE

replaced by 0244  
replaced by 0245  
replaced by 0426  
replaced by 0427

replaced by 1118  
replaced by 12143  
replaced by 12144

replaced by 3075

Table 5.8 Biological sites deleted from the programme for 1993

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
TEIGN - 6C	Crockernwell Stream	35m d/s rd br	0640	SX 76179267
	'Clifford Stream'	10m d/s br Clifford Bridge	0642	SX 7811 8974
GARA - 8A	Gara	200m u/s br 20m u/s split Ford	0801	SX 8105 4906
SEATON - 13A	Seaton	Roseland	1302	SX 2754 6323
POWEY - 15A	Lerryn	Couch's Mill	1503	SX 1485 5919
FAL - 19A	Percuil River	Lanhoose	1901	SW 8605 3790
HELFPORD - 19A	Gweek River	Mether-amy Mill Bridge	1907	SW 7042 2918
HELFPORD - 19A	Helpford River	Mellangoose	1909	SW 6826 2676
HELFPORD - 19A	Rosevear Stream	Rosevear	1911	SW 7036 2563
HELFPORD - 19A	Manaccan River	Polkanoggo	1912	SW 7557 2210
FAL - 19C	Gwindra	Coombe u/s confl	1963	SW 9512 5175
FAL - 19D	Trevelle Stream	Progmors Bridge	1933	SW 8585 4849
FAL - 19D	Shortlandsend Stream	Roseworthy	1973	SW 8000 4709

Table 5.9 Biological sites deleted from the programme for 1994/1995

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
EXE - 5G	Haddeo	20m u/s bridge Cuckolds Combe	0548	ST 0014 3077
TEIGN - 6C	Teign	225m u/s Crocombe Bridge oppos	0633	SX 8470 8135
TAVY - 12B	Tamerton Foliot Stream	Tamerton Foliot	1201	SX 4718 6093
TAMAR - 12E	Portontown Stream	Granoven Wood	1216	SX 4138 7441
TAMAR - 12L	Derrill Water	Dualstone Bridge	1252	SS 3013 0063
CAMEL - 25B	St Lawrence Stream	A389 Bridge	2515	SX 0525 6586
TORRIDGE - 29C	Torrige	Sheepwash	2946	SS 4865 0574
TAW - 30E	Little Dart River	30m u/s Stone Mill Bridge	3056	SS 7199 1307

Table 5.10 Biological sites deleted from the programme for 1996/1997

CATCHMENT	WATERCOURSE	SITE	CODE	NGR
TAMAR - 12G	Wolf	Week's Mill Bridge	1233	SX 4464 9425
MENALHYL - 25A	Menalhyl	Mawgan Porth Bridge	2530	SW 8492 6715

NOTE

replaced by 1510

replaced by 1953

sampled in error in 1991

to be deleted if necessary to replace by '1983

NOTE

replaced by 05107

to be deleted if replaced by 0647

replaced by 1279

replaced by 1289

replaced by 12145

to be deleted if no difference with '2516 in 1992

replaced by 3078

NOTE

to be deleted 12146

replaced by 2556

## 6. CHANGES TO THE ROUTINE CHEMICAL RIVER QUALITY MONITORING PROGRAMME

Changes to the complementary chemical monitoring programme have been listed because the monitored reaches are defined by the chemical monitoring sites. Changes to the chemical sites will therefore need to be considered in the biological programme.

Table 6.1 Chemical monitoring sites deleted from the routine programme and not replaced by new chemical sites 1990

The 1990 Chemical monitoring programme included many investigation sites which had erroneously been incorporated into the routine programme. None of these sites have been sampled biologically in this programme.

CATCHMENT	WATERCOURSE	SITE	URN	NGR	Notes
OTTER - 4B	Wick	Barn Farm	R04B036	ST 1705 0526	
OTTER - 4B	Wolf	Godford	R04B037	ST 1302 0206	
EXE - 5B	Cranmy Brook	Yellands	R05B008	SY 0590 9788	re-instated 1993
EXE - 5C	Cula	Strawbridges Farm	R05C001	ST 1962 1593	
EXE - 5J	Creedy	Venn Bridge	R05J014	SS 839 024	
TEIGN - 6B	Ugbrooke	Gappah	R06B011	SX 8862 7740	
TEIGN - 6B	Sandygate Stream	Combe Holdridge	R06B009	SX 8732 7580	
TEIGN - 6B	Sandygate Stream	prior to Colley Brook	R06B008	SX 8917 7665	
TEIGN - 6C	Rookery Brook	Poole	R06C012	SX 8173 8610	
DART - 7B	Mardle	Combe	R07B013	SX 7030 6810	
DART - 7B	Dart	Queen of the Dart	R07B006	SX 7342 6900	
GARA - 8A	The Gara	Collaton	R08A001	SX 7964 5274	
YEALM - 10B	Silverbridge Lake	Gorlofen	R10B016	SX 5680 5267	
YEALM - 10B	Silverbridge Lake	Chokeford	R10B019	SX 5701 5352	
YEALM - 10B	Silverbridge Lake	Sparkwell	R10B020	SX 5797 5665	
TAVY - 12B	Milton Brook	u/s Milton Coombe	R12B002	SX 4888 6597	
TAVY - 12C	Tavy	Shilliamill u/s River Lumburn	R12C004	SX 4675 7183	
TAVY - 12C	Lumburn	A390 Road Bridge	R12C018	SX 4596 7307	
TAVY - 12C	Lumburn	Mill Hill	R12C020	SX 4544 7420	
TAMAR - 12H	Caray	Towerhill Bridge	R12H003	SX 3683 9056	
LHYNER - 12R	Tiddy	Trehunsey Bridge	R12R005	SX 2966 6502	
SEATON - 13A	Seaton	Trebrownbridge	R13A007	SX 2995 5965	
POWEY - 15B	Powey	Bodmin Road Bridge	R15B005	SX 1118 6438	
POWEY - 15B	St Neot	Trevenna	R15B007	SX 1430 6865	
POWEY - 15B	Cardinham Water	Callywith	R15B023	SX 1006 6630	
POWEY - 15B	Cardinham Water	Miltown	R15B017	SX 1163 6819	
ST AUSTELL - 18A	Polgooth Stream	St Margarets	R18A013	SW 9975 5078	
FAL - 19A	Mylor Creek	u/s Mylor STW	R19A036	SW 7884 3651	
HELPFORD - 19A	Lestraines River	Eathorne bridge	R19A026	SW 7418 3120	
FAL - 19C	Fal	Trethosa Bridge	R19C013	SW 9340 5362	
COASTAL - 21A	Lamorna Stream	Hotel Lamorna	R21A016	SW 4468 2458	
COASTAL - 21A	Lamorna Stream	Trewoofe	R21A025	SW 4415 2540	
COASTAL - 21A	Lariggan	West Lodge	R21A024	SW 4468 3085	
COASTAL - 21A	Chyandour Brook	Heamoor	R21A023	SW 4615 3158	
COASTAL - 21A	Marazion	Cucurrian Mill	R21A001	SW 5033 3494	Note BO
COASTAL - 21A	Porthleven Stream	Methleigh	R21A012	SW 6271 2667	
COASTAL - 21A	Porthleven Stream	A 394 road bridge	R21A009	SW 6275 2769	
COASTAL - 22A	Penberth Stream	Treen	R22A011	SW 3961 2929	
COASTAL - 22A	Penberth Stream	Bottoms	R22A010	SW 3857 2423	
COASTAL - 22A	Tregeseal Stream	Bostraze	R22A012	SW 3887 3190	Note BA
COASTAL - 22A	Tregeseal Stream	Tregeseal Bridge	R22A006	SW 3731 3180	Note BA
MENALHYL - 25A	Menalhyl	The Retreat	R25A012	SW 9180 6396	
CAMEL - 25B	Ruthern	Ruthern Bridge	R25B039	SW 0129 6682	
CAMEL - 25D	Allen	Dinham's Bridge	R25D032	SX 0317 7393	
TORRIDGE - 29C	North Lew Stream	Wigdon Mill	R29C028	SX 5059 9692	
TORRIDGE - 29C	North Lew Stream	Kennal Bridge	R29C027	SX 5094 9765	

Table 6.2 Chemical monitoring sites deleted from the routine programme in 1991 and not replaced by new chemical sites.

CATCHMENT	WATERCOURSE	SITE	URN	NCR	BIOLOGICAL SITE
GARA - 8A	Gara	Forder	R08A003	SX 8110 4897	0801 Z (deleted 1993) SX 8105 4906 200m u/s br 20m u/s split fords
GARA - 8A	West Alvington Stream	Ticket Wood	R08A014	SX 7342 4361	0807 Rc
TAVY - 12C	Moortown Brook	Mt House School	R12C021	SX 4931 7470	1207 X (deleted 1992)
SEATON - 13A	Seaton	Rosalind	R13A006	SX 2756 6314	1302 Z (deleted 1993)
St AUSTELL - 18A	Hembal Brook	u/s Bridge	R18A016	SW 9893 5206	1818 Rc
FAL - 19A	Percuil River	Lanhoose	R19A034	SW 8606 3782	1901 X (deleted 1993)
HELFPORD - 19A	Gweek River	Mether-Uny Mill Bridge	R19A028	SW 7041 2911	1907 Z (deleted 1993)
HELFPORD - 19a	Helford River	Mellangoose	R19A029	SW 6835 2679	1909 Z (deleted 1993)
HELFPORD - 19A	Manaccan River	Polkanoggo	R19A031	SW 7560 2224	1912 Z (deleted 1993)
HELFPORD - 19A	Trevince Stream	Porth Navas Bridge	R19A002	SW 7524 2775	1954
COASTAL - 19A	Church Cove Stream	upstream of Cove	R19A018	SW 7129 1271	1956
FAL - 19D	Tresillian River	Ladock Water Pumping Station	R19D001	SW 8928 5102	1939
FAL - 19D	Trevella Stream	Frogmore Bridge	R19D009	SW 8576 4835	1933 Z (deleted 1993)
MENALHYL - 25A	Tregatillian Stream	Tregatillian	R25A016	SW 9270 6323	2531
MENALHYL - 25A	Reterth Stream	Reterth	R25A017	SW 9456 6360	2532
CAMEL - 25A	Mountjoy Stream	Trevessick Bridge	R25A015	SW 8601 6182	2536
CAMEL - 25B	Lanivet Stream	Hoopers Bridge	R25B015	SX 0390 6553	2514 Z (deleted 1992)
CAMEL - 25B	St Lawrence Stream	A 30 bridge	R25B017	SX 0515 6599	2515 R (may be deleted 1994/95)
TORRIDGE - 29C	Stoney Stream	Coombe	R29C029	SX 5045 9700	2958

Table 6.3 Chemical monitoring sites deleted from the routine programme in 1992 and not replaced by new chemical sites.

CATCHMENT	WATERCOURSE	SITE	URN	NCR	BIOLOGICAL SITE
EXE - 5C	Culm	Footbridge u/s Silverton Mill	R05C010	SS 9767 0107	Not sampled biologically
TORRIDGE - 29D	Meldon Stream	bridge d/s Meldon Quarry	R29D029	SX 5665 9305	Not sampled biologically

Table 6.4 Chemical monitoring sites deleted from the routine programme in 1993 and not replaced by new chemical sites.

CATCHMENT	WATERCOURSE	SITE	URN	NCR	BIOLOGICAL SITE	
GARA - 8A	The Gara	Torcross	R08A007	SX 8222 4207	Not sampled biologically	Note AO
TAMAR - 12P	Lyd	prior to River Thrushel	R12P016	SX 393 849	1295 Rc	SX 3922 8497 prior to River Thrushel
TORRIDGE - 29C	Torrige	Sheepwash	R29B035*	SS 487 057	2946 X (deleted 1993)	SS 4865 0574 50m d/s bridge Sheepwash
TORRIDGE - 29D	Meldon Stream	bridge d/s of Meldon Quarry	R29D029	SX 5665 9305	Not sampled biologically	Note DT

Table 6.5 Chemical monitoring sites replaced by new sites in 1990

CATCHMENT	WATERCOURSE	OLD SITE	OLD URN	OLD NCR	NEW URN (NEW RIVER)	NEW NCR	NEW SITE
GANNEL - 24A	Newlyn East Stream	Rosecliston	R24A012	SW 8195 5991 by	same URN	SW 8170 5880	same site name

Table 6.6 Chemical monitoring sites replaced by new sites in 1991

CATCHMENT	WATERCOURSE	OLD SITE	OLD URN	OLD NCR	NEW URN (NEW RIVER)	NEW NCR	NEW SITE
TAVY - 12B	Tamerton Foliot Stream	Tamerton Foliot	R12B004	SX 4718 6093 by	R12B005	SX 4687 6090	Tamerton Foliot d/s trib.
TAMAR - 12E	Portontown Stream	Grenovan Wood	R12E015	SX 4138 7439 by	R12E034	SX 3989 7549	prior to R Tamar
HELFPORD - 19A	Gweek River	Gweek	R19A004	SW 7063 2675 by	R19A042	SW 7061 2685	Danetto Bridge

HELFOED - 19A	Rosevear River	Rosevear	R19A006
COASTAL - 23A	Porth Joke Stream	Trevovah	R23A013
COASTAL - 25A	Issey Brook	Mellingey u/s trib	R25A019
TAMAR - 12E	Portontown Stream	Grenoven Wood	R12E015
POWEY - 15A	Lerryn River	Couch's Mill	R15A001
HELFOED - 19A	Gweek River	Gweek Bridge	R19A004
HELFOED - 19A	Rosevear Stream	Rosevear	R19A006
COASTAL - 23A	Porth Joke Stream	Trevovah	R23A013

Table 6.7 Chemical monitoring sites replaced by new sites in 1992

CATCHMENT	WATERCOURSE	OLD SITE	OLD URN
TEIGN - 6C	Teign	Crocombe Bridge	R06C006
GARA - 8A	Gara	Slapton Ley	R08A011
TAMAR - 12G	Wolf		R12G011
TAVY - 12B	Tamerton Poliot Strea	Tamerton Poliot	R12B004
TAMAR - 12G	Thrushel	Wrixhill Bridge	R12G002
FAL - 19C	Lamorran Stream	Lamorran Wood	R19C019
FAL - 19D	Shortlandsend Stream	Roseworthy	R19D015

Table 6.8 Chemical monitoring sites replaced by new sites in 1993

CATCHMENT	WATERCOURSE	OLD SITE	OLD URN
EXE - 5E	Exe	Ashley	R05E006
EXE - 5G	Exe	Court Farm Exford	R05G001
EXE - 5G	Haddeo	Cuckolds Combe	R05G004
TEIGN - 6C	Teign	Rushford	R06C003
AVON - 8B	Avon	AJ8 Bridge	R08B008
AVON - 8B	Avon	Gara Bridge	R08B003
ERME - 9B	Erme	Cleeve	R09B002
COASTAL - 19A	Cury River	u/s Poldhu Beach	R19A011
COASTAL - 19A	Gunwalloe Stream	Winnianton Farm	R19A040
GANNEL - 24A	Tren Creek	boating lake overflow	R24A019
TORRIDGE - 29B	Little Mere River	d/s Meath ball clay works	R29B045
TORRIDGE - 29D	Okement	Jacobstowe	R29D008
TAW - 30D	Dalch	prior to confluence with R Ye	R30D003

Table 6.9 Sites added to the chemical monitoring programme in 1991

None

Table 6.10 Sites added to the chemical monitoring programme in 1992

CATCHMENT	WATERCOURSE	SITE	URN
DART - 7B	Mardle	Coombe	R07B013
PLYM - 11A	Smallhanger Brook	prior to Tory Brook	R11A020
TAMAR - 12G	Hennard Stream	prior to Roadford Lake	R12G096
LOOE - 14C	Common Stream	below waste disposal site	R14C013

SW 6970 2451 by R19A043	SW 7033 2555	Fonson Tuel Ford
SW 790 596 by R23A016	SW 7736 6028	prior to beach
SW 9206 7181 by R25A024	SW 9206 7181	Mellingey d/s trib
SX 4138 7439 by R12E034	SX 4143 7373	prior to River Tamar
SX 1486 5911 by R15A004	SX 1433 5733	Lercyn
SW 7063 2675 by R19A042	SW 7061 2685	Danetto Bridge
SW 6970 2451 by R19A043	SW 7033 2555	Fonson Tuel Ford
SW 790 596 by R23A061	SW 7736 6028	prior to beach

OLD NGR	NEW URN	(NEW RIVER)	NEW NGR	NEW SITE
SX 8485 8115 by	R06C076		SX 8449 8161	Mhetcombe Bridge
SX 8230 4335 by	R08A018		SX 8251 4391	Slapton Ley 1
	& by R08A019		SX 8238 4336	Slapton Ley 2
	& by R08A020		SX 8215 4772	Slapton Ley 3
	by R12G007		SX 4250 9390	prior to Roadford Lake
SX 4718 6093 by	R12B005		SX 4690 5090	Tamerton Foliot (d/s trib)
SX 4655 8985 by	same URN		SX 4656 8988	[same name, site moved slightly u/s]
SW 8709 4185 by	R19B004		SW 8709 4185	Penkivil Stream at Parson's Hill Wood
SW 8000 4708 by	R19D023	Boscollia Stream	SW 8015 4629	Boscollia Ford

OLD NGR	NEW URN	(NEW RIVER)	NEW NGR	NEW SITE
SS 9528 0990 by	WSTM7788B		SS 9592 1014	below Tiverton STW
SS 8572 3806 by	WSTM7598B		SS 856 382	below Enford STW
ST 0014 3073 by	R05G020		SS 897 288	feeder into Upton Arm
SX 7048 8823 by	WSTM6064B		SX 701 882	below Chagford STW
SX 6978 5925 by	WSTM6298D		SX 698 593	below South Brent STW
SX 7290 5347 by	R08B017		SX 730 536	below the Mill Fish Farm
SX 6335 5520 by	WSTM4622B		SX 6318 5550	below Ivybridge STW
SW 6668 2002 by	R19A067		SW 6826 2054	upstream of marsh
SW 6609 2070 by	R19A068		SW 6675 2210	upstream of reed bed
SW 8145 6075 by	R24A022		SW 8163 6112	d/s Trenance Road Newquay
SS 5306 0937 by	R29B013		SS 5304 0955	below Meeth ball clay works no biology
SS 5925 0172 by	WSTM3152B		SS 592 017	below Jacobstowe STW
SS 7358 0743 by	WSTM3172B		SS 7365 0770	below Lapford STW

NGR	NOTE
SX 7030 6810	added to biology prog 1993
SX 5505 5740	
SX 4250 9390	
SX 1910 6250	added to biology prog 1980



PAR - 16A	Far River	A3082 Bridge	R16A027	SX 0747 5352
PAR - 16A	Carbis Stream	Hendra	R16A026	SX 9962 5935
COASTAL - 21A	Marazion River	Cucurrian Mill	R21A001	SW 5034 3494
COASTAL - 25A	Harlyn Water	Treearne Bridge	R25A026	SW 0890 7465
TORRIDGE - 29D	West Okement River	prior to Meldon Reservoir	R29D025	SX 5552 9058

Table 6.11 Sites added to the chemical monitoring programme in 1993

CATCHMENT	WATERCOURSE	SITE	URN	NGR
AXE - 2B	Axe	d/s Whitford abstraction	R02B012	
AXE - 2B	Bruckland Stream	u/s Musbury House	R02B011	SY 2706 9295
EKE - 5C	Cranny Brook	Yellands	R05B008	SY 0590 9788
EKE - 5C	Spratford Stream	Longbridge Meadow	R05C061	ST 0258 0769
EKE - 5C	Weaver	Higher Weaver	R05C060	ST 0502 0471
EKE - 5K	Pitt Stream	Moorlake Bridge	R05K014	SX 8125 9933
EKE - 5K	Hollacombe Stream	Higher Hollacombe Fern	R05K013	SS 7956 0043
TEIGN - 6B	Langworthy Brook	Hooks Bridge	R06B037	SX 7777 7365
TEIGN - 6B	Sig	prior to confluence with River	R06B056	SX 7782 7362
DART - 7B	Ashburn (Yeo)	Raw Bridge	R07B077	SX 7580 7091
YEALM - 10B	Yealm	below Yealton STW	WSTW4836B	SX 5705 5139
TAMAR - 12E	Phillips Adit	prior to River Tamar confluenc	R12E044	SX 4360 7252
TAMAR - 12E	Marquis Adit	prior to River Tamar confluenc	R12E045	SX 4370 7263
TAMAR - 12E	Blanchdown surface	prior to River Tamar confluenc	R12E046	SX 4320 7288
TAMAR - 12E	South Fanny Adit	prior to River Tamar confluenc	R12E047	SX 4260 7254
TAMAR - 12E	Clitters Gully	prior to River Tamar confluenc	R12E048	SX 4229 7236
TAMAR - 12E	Clitters Tip	prior to River Tamar confluenc	R12E049	SX 4216 7243
TAMAR - 12E	Clitters Adit	prior to River Tamar confluenc	R12E050	SX 4212 7238
TAMAR - 12G	Wolf	above Roadford Reservoir inflor	R12G107	SX 435 934
TAMAR - 12K	Colesmill Stream	above Holesworthy STW	WSTW3139A	SX 3405 0342
LOOE - 14C	Connon Stream	below waste disposal site	R14C013	SX 1910 6250
COASTAL - 19A	Cury River	upstream of marsh	R19A067	SW 6826 2054
COASTAL - 19A	Gunwalloe Stream	upstream of reed bed	R19A068	SW 6675 2210
RED - 23A	Reen Stream	above old Mteal Pendarvas discr	R23A039	SW 6501 3817
RED - 23A	Redruth Stream	below Old Concord Minerals discr	R23A062	SW 6855 4503
CAMEL - 25B	Camel	below Scarlett's Well Camel out	STW1517B	SX 0553 6744
CAMEL - 25B	Dunmere Stream	above Scarlett's Well STW	R25B066	SX 0552 6751
TORRIDGE - 29B	Peagham Stream	Town Mills	R29B050	SS 5005 1831
TORRIDGE - 29C	Pulworthy Brook	Lawmoor Bridge	R29C063	SS 5070 0288
TAW - 30C	Taw	10m above Spire Lake confluenc	R30C015	SS 6583 0099
TAW - 30C	Taw	100m below Spire Lake confluenc	R30C016	SS 6581 0110
TAW - 30C	Bulrow Brook	Bulrow Brook Bridge	R30C017	SS 6725 0698
TAW - 30D	Gissage Lake	Nymphayes Bridge	R30D009	SS 7270 0508
TAW - 30F	Colley Lake	Lenton Ford	R30F034	SS 6628 2017

NOTE

not monitored biologically, close to 0230 and 0202  
added to biology prog 1992  
previously deleted 1991

not monitored biologically, to monitor Punchbowl Tip  
not monitored biologically, to monitor Punchbowl Tip  
not monitored biologically, Sigford Mine

not monitored biologically, d/s site for EC Dangerous Substances  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit  
not monitored biologically, monitoring mine adit

not monitored biologically, u/s site for EC Dangerous Substances  
added to biological programme 1980

not monitored biologically, u/s site for EC Dangerous Substances  
not monitored biologically, d/s site for EC Dangerous Substances  
not monitored biologically, d/s site for EC Dangerous Substances  
not monitored biologically, u/s site for EC Dangerous Substances  
not monitored biologically, Deep Moor Tip

not monitored biologically, pesticide monitoring  
not monitored biologically, pesticide monitoring

## 7. REFERENCES

- Furse, M.T., Wright, J.F., Armitage, P.D. and Moss, D. (1986) A practical manual for the classification and prediction of macro-invertebrate communities in running water in Great Britain. Preliminary version. Wareham: Freshwater Biological Association.
- Gunn, R.J.M., Wright, J.F., Blackburn, J.H., and Furse, M.T. (1991) Quality audit of biological samples for the 1990 River Quality Survey NRA South West Region. Wareham: Institute of Freshwater Ecology. In: JAD Murray-Bligh (1992) Quality audit of biological samples for the 1990 River Quality Survey NRA South West Region by RJM Gunn, JF Wright, JH Blackburn, and MT Furse. Internal Report FWS/92/016; NRA South West Region.
- Gunn, R.J.M., Wright, J.F., Winder, J.M. and Blackburn, J.H. (1991) An audit of performance in the processing of macro-invertebrate samples in 1991: NRA South West Region. Wareham: Institute of Freshwater Ecology. In: JAD Murray-Bligh (1992) Quality audit of biological samples for the 1991 River Quality Survey NRA South West Region by RJM Gunn, JF Wright, JM Winder and JH Blackburn. Internal Report FWS/92/021; NRA South West Region.
- Halcrow, 1990a, Study of the 1989 drought in South West England. Final Report, Volume 1, Main Report: p. 75.
- Halcrow, 1990b, Study of the 1989 drought in South West England. Final Report, Volume 2, Annexe H Ecology, 2.5 Invertebrates: pp. H4-H7.
- Kinley, R.D., and Ellis, J.C. (1991) The application of statistical quality control methods to macroinvertebrate sampling. Medmenham: Water Research Centre.
- National Rivers Authority (1990) RIVPACS field sampling. Video recording. Birmingham: Spectrum Communications.
- National Rivers Authority (1992a) Regional water quality monitoring and surveillance programme for 1993. Draft internal report.
- National Rivers Authority (1982b) River corridor surveys methods and procedures. Conservation Technical Handbook 1. Bristol: National Rivers Authority.
- South West Water Authority (1989) South West Water Asset Management Plan, Environmental Protection, Current Objectives and Standards. Report CO 1907-M/1/EV 8748. Medmenham: WRC Environment.
- Standing Committee of Analysts (1987) Methods for the use of aquatic macrophytes for assessing water quality 1985-86. Methods for the Examination of Waters and Associated Materials. London: HMSO.