Environmental Protection Internal Report

REGIONAL WATER QUALITY MONITORING AND SURVEILLANCE PROGRAMME FOR 1992

BIOLOGICAL QUALITY ASSESSMENT OF RIVERS

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TECHNICAL NOTE FWS/92/007

SUMMARY

This report describes the routine biological river quality monitoring programme undertaken by NRA South West Region in 1992.

478 sites are to be surveyed during 1992. The complete programme comprises approximately 950 sites covering 4230 km of river and 27 km of canal. The full programme is completed in two years, with half the sites surveyed in any one year. Twenty-two key sites are visited every year, to assess annual changes; seven of the sites are solely to monitor discharges from sewage treatment works (STWs) and are not used for river quality classification. The complete programme matches the routine chemical monitoring programme, but includes additional sites so that all reaches which had been assigned River Quality Objectives are monitored. Fourteen sites, originally programmed for the 1993 survey, are also to be surveyed in 1992 to support the Operational Investigation into the impact of the Wheal Jane pollution incident on the River Carnon.

Macro-invertebrates are sampled three times in the year: in Spring, Summer and Autumn. Habitat features and macrophytes are recorded once.

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

This report describes NRA South West Region's routine biological river quality monitoring programme for 1992.

1.1 Biological monitoring in the South West Region

Since 1990, a routine biological monitoring programme has been followed in 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 to be undertaken in 1992 and 1993 will also be used to supplement the baseline data.

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 its effect:
- information on the impact of water quality on the biota.
- indications of pollution by substances not analyzed for chemical monitoring
- assessments of water quality in reaches that are not monitored chemically (approximately 60 smaller tributaries).
- baseline information for assessing the impact of unforseen 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

D To provide information for the 1992 and subsequent NRA National Biological Surveys, 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 testing and 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 is being surveyed in 1992 and 1993.
- operational investigation into the effect of droughts. Following consultant's recommendations 22 key sites are being surveyed every year. These sites are also used to monitor annual changes.

E To provide information for a biological override to the proposed new NRA Chemical Classification.

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 940 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 National Biological Survey), 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. 478 sites are to be surveyed during 1992.

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 fortunate in being one of the few NRA Regions that had kept the original biological records from that survey. 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.

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 - 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 or contribute to chemical or general water quality classifications are only available for half the region's rivers in any year. There may be problems in applying a biological override to any general classification that the NRA develops, because data for the override would be available only every other 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 Furse 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 macrophyte data is to be linked to water quality, probably using the standard methods described by the Standing Committee of Analysts (1987). The coverage of mosses was enhanced in 1992, as these are particularly useful on upland soft waters.

2.3 Analytical quality audit

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

AQUATIC MACROPHYTE FIELD CHECK LIST - SUMMER 1992-

Watercourse..... Date: .....
Site Name ..... Sampler(s): .....
Site Code ..... NGR: .....

NB: This is a record of plants in the stream channel only, with the exception of invasive weeds for which records include the river corridor as a whole. Record plants in the channel and weeds in the corridor separately.

DICOTYLEDONS

4 Apium nodiflorum
Callitriche hamulata
Callitriche obtusangula
6 Callitriche stagnalis
Callitriche truncata
Callitriche spp indet.
6 Ceratophyllum demersum
Crassula helmsii
Epilobium hirsutum
Filipendula ulmaria
Hippuris vulgaris
Impatiens glandulifera
Lythrium salicaria
6 Mentha aquatica
Mimulus guttatus
5 Myosotis
10 Myriophyllum alterniflorum
7 Myriophyllum spicatum
7 Nasturtium officinale
(= Rorippa nasturtium-aquaticum)
6 Nuphar lutea
Nymphae alba
Nymphoides peltata
3 Oenanthe crocata
3 Polygonum amphibium
Polygonum other
5 Ranunculus calcareus
6 Ranunculus flammula
5 Ranunculus fluitans
5 Ranunculus hederaceus
10 Ranunculus omiophyllus
8 Ranunculus peltatus
6 Ranunculus pencillatus
6 Ranunculus sceleratus
6 Ranunculus other: No of others
(each scores 6)
Ranunculus indet: No of indet
Reynoutria japonica
4 Rorippa amphibia
Rumex
2 Solanum dulcamara
5 Veronica beccabunga
Veronica catenata/anagallis-aquatica

LIVERWORTS

Foliose
10 Chiloscyphus polyanthos
Marsupella emarginata
Nardia compressa
10 Scapania undulata
10 Solenostoma
6 Other: No of others
(each other scores 6)

Thalose
6 Pellia epiphylla
6 Other: No of others
(each other scores 6)

ALGAE

7 Batrachospermum
benthic diatoms
1 blue-green mats (excl Nostoc)
Nostoc
3 Cladophora
3 Enteromorpha
Hydrodictyon
8 Lemanea
Oscillatoria
2 Vaucheria
Unbranched filamentous green

TOTAL SCORE .....
NO SCORING PLANTS .....
AVERAGE SCORE .....

MONOCOTYLEDONS

Acorus calamus
2 Alisma plantago-aquatica
7 Butomus umbellatus
8 Carex
7 Eleocharis
Eleogeton fluitans (= Scirpus)
5 Elodea canadensis
4 Elodea nuttallii
3 Glyceria maxima
4 Glyceria (other)
Hydrocharis morsus-ranae
3 Iris pseudacorus
6 Juncus acutiflorus
6 Juncus bulbosus
6 Juncus bufonius
4 Juncus effusus
4 Juncus other
4 Lemna
Lemna triscula
2 Phalaris arundinacea
Phragmites australis
10 Potamogeton alpinus
2 Potamogeton berchtoldii
4 Potamogeton crispus
3 Potamogeton natans
7 Potamogeton x nitens
(= P. gramineus x perfoliatus)
1 Potamogeton pectinatus
7 Potamogeton perfoliatus
10 Potamogeton polygonifolius
6 Potamogeton other: No of others
(each other scores 6)
Potamogeton indet: No of indet
4 Sagittaria sagittifolia
5 Scirpus
3 Sparganium emersum
2 Sparganium erectum
Stratiotes aloides
4 Typha
5 Zanichellis palustris

MOSSES

6 Amblystegium fluviatile
2 Amblystegium riparium
10 Blindia acuta
10 Brachythecum plumosum
10 Brachythecum rivulare
10 Calliergon cuspidatum
7 Cinclidotus fontinaloides
4 Fontinalis antipyretica
10 Fontinalis squamosa
10 Hygroamblystegium tenax
10 Hygrohypnum ochraceum
10 Rhacomitrium aciculare
10 Rhacomitrium aquaticum
6 Rhynchostegium (Eurynchium) riparioides
10 Schistidium alpicola
10 Schistidium agassizii
10 Other mosses: No of others
indet: No of indet

VASCULAR CRYPTOGAMS

Azolla filiculoides
10 Equisetum fluviatile
10 Equisetum palustre

INVASIVE WEEDS (recorded in river corridor)

Crassula helmsii
Heracleum mantegazzianum
Impatiens glandulifera
Reynoutria japonica

Plant scores are those given in "Methods for the Use of Aquatic Macrophytes for Assessing Water Quality 1985-86. Methods for the Examination of Waters and Associated Materials" by Dr J P C Harding: B, The Surveying and Assessment of Macrophytes in Watercourses.

Figure 2.1 Aquatic macrophyte check list for 1992

In 1992, sixty samples from NRA South West Region are to be 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 were discussed in Gunn et al. (1991) and Kinley and Ellis (1991).

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. The biological data is entered onto the Region's biological archive (based on the Thames Biologists' System), and will be transferred to NRA Thames Region on 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.

At present there is no computer database for holding macrophyte data. The water quality classification based on macrophyte data will be undertaken within the Region. It is hoped that a simple computer database will be developed shortly. The procedures for data evaluation and reporting have not been finalised. Some development may be necessary.

The evaluation of habitat data, other than that collected for RIVPACS, will be undertaken within the Region.

For both the macro-invertebrate and habitat data, 1992 represents the first year for which previous data (collected in 1990 or 1991) exists. It will therefore be the first year in which changes in conditions can be assessed, although there is not yet sufficient baseline data to determine the significance of any changes observed. Unfortunately, river flows have been low, since 1990 and in some places there has been a drought, therefore we do not have data yet from a 'normal' year.

The results of the survey will be reported at the end of the year. This will include the NRA Biological Classification for 1992. As soon as computing shortcomings have been addressed, 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.

In the longer term, it is hoped that summaries of the results of the macro-invertebrate surveys 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 wardens and pollution inspectors, seasonal reports will be aimed at operational staff and water quality managers.

3 PROGRAMME INFORMATION

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

See Table 3.1

Table 3.1 Summary of the routine biological river quality monitoring programme for 1992

Catchment	Number of sites	Number of sites monitoring STWs only
Lim	42	
Axe	0	
Sid	0	
Otter	27	2
Exe	2	2
Teign	0	
Dart	2	
Gara	0	
Avon	0	
Erme	9	
Yealm	16	
Plym	17	
Tavy	21	
Tamar	98	
Lynher	20	
Seaton	0	
Looe	0	
Fowey	14	
Par	0	
Crinnis	0	
St Austell	0	
North Cornwall Streams	0	
Fal	14*	
Helford	0	
Lizard Streams	0	
Cober	10	
Land's End Streams	0	
Hayle	0	
Red and Coastal Streams	0	
Gannel	0	
Menalhyl and Coastal Streams	21	
Camel	33	
Valency and Coastal Streams	0	
Strat/Neet	4	
Hartland Streams	0	
Torridge	66	1
Taw	76	2
North Devon Coastal Streams	0	
Lyn	0	
TOTAL	474	7

3.2 The routine biological river quality monitoring programme

See Table 3.2

Table 3.2 The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980	1990	USE	YEAR: 90	91	92	93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
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 E
AXE - 2A	Branscombe Stream	Branscombe Mouth	R02A001	SY 2070 8819		0244	R			92		SY 2056 8830	Branscombe Mouth opposite STW *	** Note E
AXE - 2B	Axe	Slymlakes	XXXX R02B021	SY 2800 9670			X							* Note C
AXE - 2B	Axe	Whitford Bridge	R02B001	SY 2623 9538		0230	R		91	92		SY 2645 9555	300m u/s Whitford Bridge	
AXE - 2B	Axe	Axe Bridge	R02B002	SY 2593 9269	005	0202	RD	90		92	93	SY 2611 9463	100m d/s footbr Runford Dairy *	** Note F
AXE - 2B	Axe	Axe Bridge	R02B002	SY 2593 9269		0203	R	90		92		SY 2593 9265	50m u/s Axe Bridge	Note F
AXE - 2B	Bulmoor Stream					0231	RC		91	92		SY 2633 9533	100m u/s Whitford Bridge	
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	RZ	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 Musterton	R02C001	ST 4573 0526		0232	R		91	92		ST 4568 0525	20m d/s A3066 br Musterton	
AXE - 2C	Axe	Seaborough	R02C002	ST 4296 0574	004	0212	R	90		92		ST 4295 0570	30m d/s Seaborough Bridge	
AXE - 2C	Axe	Clapton Bridge	R02C003	ST 4130 0630		0245	R			92		ST 4181 0627	25m u/s br Clapton	** Note G H
AXE - 2C	Axe	Clapton Bridge	R02C003	ST 4130 0630		0213	RZ	90				ST 4035 0603	Oathill Farm Weycroft	** Note G H
AXE - 2C	Axe	Forde Bridge	R02C004	ST 3622 0535		0233	R		91	92		ST 3626 0534	60m u/s Forde Bridge	
AXE - 2C	Axe	Broom	R02C005	ST 3263 0248	003	0214	R	90		92		ST 3263 0248	25m u/s br Broom	
AXE - 2C	Axe	A358 Bridge Weycroft	R02C006	ST 3073 0001		0215	R	90		92		ST 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 1
AXE - 2C	Chapplecroft Brook					0237	RC		91	92		ST 3045 0000	60m u/s Axe confl	
AXE - 2C	Smallridge Stream					0238	RC		91	92		ST 3088 0037	25m u/s rail br prior to Axe	
AXE - 2C	Stammery Stream					0239	RC		91	92		ST 3202 0100	50m u/s Axe confl	
AXE - 2C	Hewood Stream					0240	RC		91	92		ST 3462 0498	40m u/s Axe confl	* Note J
AXE - 2C	Clapton Stream	Clapton Dairy Farm	R02C017	ST 4162 0715		0216	R	90		92		ST 4162 0718	50m u/s rd br u/s Clapton	
AXE - 2C	Drimpton Stream	Netherhay	R02C009	ST 4165 0548		0217	R	90		92		ST 4165 0542	20m u/s Netherhay Ford	**
AXE - 2C	Synderford	Beere Farm	R02C014	ST 3775 0573		0218	R	90		92		ST 3776 0573	20m u/s footbridge Beere Farm	
AXE - 2C	Whatley Stream	Ammerham	R02C015	ST 3650 0556		0219	R	90		92		ST 3648 0556	30m d/s railway bridge Ammerha*	
AXE - 2C	Forton Brook	B3162 Bridge Forton	R02C010	ST 3401 0730		0220	R	90		92		ST 3403 0709	50m u/s B3162 rd br	
AXE - 2C	Forton Brook	Tatworth	R02C011	ST 3368 0685	001	0221	R	90		92		ST 3375 0463	100m d/s Tatworth STW	* **
AXE - 2C	Blackwater River	Buddlewall	R02C008	ST 3308 0220		0222	R	90		92		ST 3301 0217	50m u/s br Buddlewall	**
AXE - 2C	Kit Brook	Narfords	R02C012	ST 2961 0629		0241	R		91	92		ST 2958 0628	10m u/s br Narfords	
AXE - 2C	Kit Brook	Axe Farm	R02C013	ST 3199 0162		0223	R	90		92		ST 3194 0167	25m u/s road bridge Axe Farm	
AXE - 2C	Temple Brook	Oathill Bridge	R02C018	ST 4072 0590		0242	R		91	92		ST 4072 0587	20m u/s Oathill br	
AXE - 2C	Whetley Stream	Potwell Farm	R02C016	ST 4474 0487		0224	R	90		92		ST 4469 0493	25m u/s road bridge Potewll Fa	**

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	91	92	93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
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	Otter	Hoemore Farm	R04B001	ST 2210 1035		0401	R	90		92		ST 2212 1040	50m u/s br Hoemore Farm	
OTTER - 4B	Otter	Rawridge	R04B042	ST 1983 0625		0412	R		91	92		ST 1983 0627	45m u/s footbr Rawridge	
OTTER - 4B	Otter	Monkton	R04B035	ST 1836 0306	012	0402	R	90		92		ST 1850 0310	200m u/s Ford Bridge	
OTTER - 4B	Otter	Clapperlane Bridge	R04B002	ST 1633 0120		0413	R		91	92		ST 1638 0123	70m u/s Clapperlane br	
OTTER - 4B	Otter	Cottarson Farm XXXX	R04B014	ST 1480 0075			X							** Note C
OTTER - 4B	Otter	Weston	R04B003	ST 1430 0009	013	0403	R	90		92		ST 1422 0006	50m d/s bridge Weston	
OTTER - 4B	Otter	Fenny Bridges	R04B019	SY 1148 9858		0414	R		91	92		ST 1145 9870	150m u/s br Fenny Bridges	*
OTTER - 4B	Otter	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	Otter	Tipton St John	R04B005	SY 0901 9180		0405	R	90		92		SY 0895 9196	200m u/s br Tipton St John	
OTTER - 4B	Otter	Dotton Mill	R04B006	SY 0873 8853		0415	R		91	92		SY 0873 8853	50m u/s footbr Dotton Mill	
OTTER - 4B	Otter	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 fm br Mill House Nurs	**
OTTER - 4B	Gissage	prior to River Otter	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 K
OTTER - 4B	Tale	Danes Mill	R04B008	ST 0762 0329		0410	RZ	90				ST 0755 0335	50m u/s bridge Danes Mill	** Note K
OTTER - 4B	Tale	Taleford	R04B009	SY 0899 9688	015	0411	R	90		92		SY 0895 9689	25m d/s br Taleford	Note L
OTTER - 4B	Talaton Stream	Talaton STW XXXX		SY 0765 9855			Eu	90	91	92	93			
OTTER - 4B	Talaton Stream	Talaton STW XXXX		SY 0765 9855			Ed	90	90	92	93			
OTTER - 4B	Fairoak Stream	Upottery	R04B020	ST 1994 0778		0416	RC		91	92		ST 1994 0778	30m u/s br Upottery	* ** Note A N
OTTER - 4B	Odle Brook	Spurtham Farm	R04B021	ST 1946 0630		0417	RC		91	92		ST 1925 0640	10m u/s track Spurtham Farm	Note A
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 Pomerey	R04B024	SY 1343 9900		0419	RC		91	92		SY 1343 9913	10m d/s top of field d/s Pomer	** 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	Metcombe Stream	Metcombe	R04B028	SY 0818 9190		0423	RC		91	92		SY 0797 9197	20m u/s br Metcombe	Note A
OTTER - 4B	Colaton Raleigh Stm	Pophams	R04B032	SY 0723 8768		0424	RC		91	92		SY 0718 8767	15m u/s br Pophams	* Note A M
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	
EXE - 5A	Kenn	A38 Bridge Kennford	R05A001	SX 9132 8662		0502	R	90			93	SX 9117 8663	A38br Kennford 50m u/s footbr	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE		URN	NGR (chem)	SITE CODE 1980	1990	USE	YEAR 90	91	92	93	BIOLOGICAL SITE NGR (bio)	SITE	NOTES
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				SX 9565 7673	20m d/s footbridge car park Da	* Note N
EXE - 5A	Dawlish Water	Dawlish		R05A027	SX 9628 7667		05105	R		91		93	SX 9548 7679	30m u/s footbr Brook House	* Note N
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	Ashclyst Farm		R05B003	SY 0105 9833	036	0509	R	90			93	SY 0115 9830	50m u/s rd br Ashclyst Farm	
EXE - 5B	Clyst	A38 Bridge Broadclyst		R05B004	SX 9842 9760		0510	R	90			93	SX 9843 9760	20m u/s A38 br Broadclyst	
EXE - 5B	Clyst	Withy Bridge		R05B005	SX 9752 9570		0511	R	90			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	Alesbeare Stream	Aylesbeare STW	XXXX		SY 0358 9186			Eu	90	91	92	93			
EXE - 5B	Alesbeare Stream	Aylesbeare STW	XXXX		SY 0358 9186			Ed	90	91	92	93			
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	Barnshayes		R05B009	SY 0378 9710		0513	R	90			93	SY 0382 9710	50m u/s field br Barnshayes	
EXE - 5B	Cranny Brook	Crannaford Crossing		R05B010	SX 0133 9599		0514	R	90			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 Mossheyne	
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	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 C
EXE - 5C	Culm	Merry Harriers 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 Silvert		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	90			93	SX 9575 9970	75m d/s Columbjohn br	* Note P
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 Junctio		R05C016	ST 0318 1160		0523	R	90			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	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	ST 1435 1352	25m u/s Culm Bridge Hemyock	**
EXE - 5C	Madford Stream	Dunkeswell Abbey		R05C028	ST 1438 1050		0527	R	90			93	ST 1442 1015	Dunkeswell Abbey 30m u/s river	** Note Q
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	Dunkerswell 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	ST 1506 1247	100m u/s Five Bridges	**
EXE - 5C	Grand Western Canal	Fenacre Bridge		R05C021	ST 0708 1780		0529	R	90			93	ST 0708 1770	30m u/s Fenacre Bridge	** Note R
EXE - 5C	Weaver	B3181 Bridge		R05C026	ST 0134 0337		0580	R		91		93	ST 0137 0392	40m u/s B3181 br	*

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE. 1980	1990	USE	YEAR.... 90	91	92	93	BIOLOGICAL SITE NGR (bio)	SITE	NOTES
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 5
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	Trews 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	Ashley	R05E006	SS 9528 0990		0538	R	90			93	SS 9528 1003	150m d/s STW Ashley	*
EXE - 5E	Brockey River	Brocksbridge Cottages	R05E012	SS 9243 2450		0540	R	90			93	SS 9238 2455	50m u/s Brocksbridge 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 T R
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 1258		0544	R	90			93	SS 9577 1256	25m d/s A373 Bridge Tiverton	
EXE - 5E	Calverleigh Stream	Swinesbridge	R05E020	SS 9454 1394		0588	R		91		93	SS 9445 1397	100m u/s Swinesbridge	**
EXE - 5E	Uplowman Stream	Widhayes	R05E021	SS 0005 1450		0589	R		91		93	SS 9990 1447	75m d/s gate to field Widhayes	**
EXE - 5F	Batherm	Ranscombe	R05F001	ST 0043 2679		0590	R		91		93	ST 0043 2678	5m u/s rd br Ranscombe	
EXE - 5F	Batherm	A361 Bridge Shillingford	R05F002	SS 9799 2378		0545	R	90			93	SS 9808 2378	75m u/s Pheasant Pm A361 Br Sh	
EXE - 5F	Batherm	Bowbierhill Wood	R05F003	SS 9545 2093	028	0546	R	90			93	SS 9530 2126	500m u/s rd br Bowbierhill und	
EXE - 5G	Exe	Court Farm Exford	R05G001	SS 8572 3806		0591	R		91		93	SS 8573 3806	10m u/s fm br Court Farm Exfor	
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	R	90			93	ST 0014 3077	20m u/s bridge Cuckolds Combe	
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 Wimblebal	
EXE - 5G	Quarme	Coppleham Bridge	R05G006	SS 9228 3425	019	0551	R	90			93	SS 9202 3500	50m d/s footbridge Witheridge	
EXE - 5H	Barle	Simonsbath	R05H001	SS 7718 3910		0552	R	90			93	SS 7695 3915	100m u/s Simonsbath Bridge	
EXE - 5H	Barle	Tarr Steps	R05H002	SS 8675 3215		0553	R	90			93	SS 8667 3223	150m u/s ford Tarr Steps	
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	Ferny Ball	R05H005	SS 8025 3542		0556	R	90			93	SS 8025 3540	25m u/s bridge Ferny Ball	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH SITE	URN
EXE - 5J	Creedy	Ashridge Bridge	R05J001
EXE - 5J	Creedy	Creedy Bridge	R05J002
EXE - 5J	Creedy	Westacott Cottages	R05J003
EXE - 5J	Creedy	Newton St Cyres	R05J013
EXE - 5J	Creedy	Oakford Farm	R05J004
EXE - 5J	Jackmoor Brook	Langford	R05J018
EXE - 5J	Shobrooke Lake	Creedy Barton	R05J017
EXE - 5J	Holly Water	Heath Bridge	R05J015
EXE - 5J	Shuttern Brook	prior to R. Creedy	R05J021
EXE - 5J	Binneford Water	Ashridge Farm 100m u/s confl	R05J016
EXE - 5K	Yeo [Creedy] [=Hittsl	Binneford	R05K003
EXE - 5K	Yeo [Creedy]	Gunstone Mills	R05K004
EXE - 5K	Yeo [Creedy]	Downes Mills Prior to River Cr	R05K005
EXE - 5K	Troney	Easterbrook	R05K008
EXE - 5K	Troney	Yeoford	R05K002
EXE - 5K	Horwell Stream		
EXE - 5K	Culvery River	Uton	R05K011
EXE - 5K	Cole Brook	Colebrooke	R05K009
EXE - 5K	Ford Brook	Ford Farm	R05K010
TEIGN - 6A	Aller Brook	Edginswell Pumping Station	R06A001
TEIGN - 6A	Aller Brook	Manor Drive Kingskerswell	R06A002
TEIGN - 6A	Aller Brook	Aller Orchard	R06A003
TEIGN - 6A	Aller Brook	Penninn Newton Abbot	R06A004
TEIGN - 6A	Compton Pool Stream		
TEIGN - 6B	Teign	Preston	R06B001
TEIGN - 6B	Ugbrooke Stream	Higher Sandygate	R06B012
TEIGN - 6B	Ugbrooke Stream	prior to River Teign	R06B013
TEIGN - 6B	Lemon	Bagator Mill	R06B003
TEIGN - 6B	Lemon	Sigford d/s Sig confluence	R06B004
TEIGN - 6B	Lemon	Bradley Playing Fields Newton	R06B005
TEIGN - 6B	Blatchford Stream	Perry Farm	R06B006
TEIGN - 6B	Blatchford Stream	Blatchford	R06B007
TEIGN - 6B	Liverton Brook	Ventiford Bridge	R06B050
TEIGN - 6B	Sandygate Stream	New Cross Kingsteignton	R06B010
TEIGN - 6C	North Teign	Gidleigh Park Hotel	R06C002
TEIGN - 6C	Teign	Rushford	R06C003
TEIGN - 6C	Teign	Clifford Bridge	R06C004
TEIGN - 6C	Teign	Bridford Bridge	R06C005
TEIGN - 6C	Teign	Spara Bridge	R06C037
TEIGN - 6C	Teign	Whetcombe Bridge	R06C076

VERSION 1a — JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992
(preceeded by 2 draft versions) (minor revision but not update 12 June 1992)

NGR (chem)	SITE CODE. 1980	1990	USE	YEAR.... 90	91	92	93	NGR (bio)	BIOLOGICAL SITE... SITE	NOTES
SS 8188 0620		0557	R	90	91		93	SS 8182 0619	75m u/s Ashridge Bridge	** Note U
SS 8460 0118	020	0558	R	90			93	SS 8485 0070	75m d/s footbridge Lords Meado	
SX 8550 9985		0594	R		91		93	SX 8545 9997	150m u/s field br Westacott Co	**
SX 8808 9856		0595	R		91		93	SX 8798 9850	150m u/s br Newton St Cyres	
SX 9005 9675		0559	R	90			93	SX 9010 9673	100m d/s bridge Oakford Farm	
SX 8981 9772		0596	R		91		93	SX 8983 9772	Langford 120m d/s footbr	
SX 8681 9953		0597	R		91		93	SX 8670 9963	35m d/s black pipe Creedy Bart	
SS 8443 0450		0560	R	90			93	SS 8445 0451	50m u/s Heath Bridge	
SX 8830 9843		0598	R		91		93	SX 8817 9817	prior to Creedy Barton House	*
SS 8198 0615		0599	R		91		93	SS 8198 0618	100m u/s confl Ashridge Farm	
SX 7601 9685		0562	R	90			93	SX 7596 9676	Binneford 100m u/s ford	** Note V
SX 8055 9847	016	0561	R	90			93	SX 8051 9849	50m u/s rd br Gunstone Mills	* **
SX 8560 9910		05100	R		91		93	SX 8525 9910	300m u/s br Downes Mill	**
SX 7232 9707		05101	R		91		93	SX 7228 9703	40m u/s br Easterbrook	
SX 7828 9897	024	0563	R	90			93	SX 7830 9900	50m u/s Yeoford Bridge	
		05102	RC		91		93	SS 7715 0043	55m u/s br Colebrooke	
SX 8343 9859		0564	R	90			93	SX 8342 9855	50m u/s bridge Uton	**
SX 7779 9957		05103	R		91		93	SX 7779 9960	75m u/s br Colebrooke	
SX 7938 9769		05104	R		91		93	SX 7938 9769	10m u/s br Ford Farm	
SX 8932 6625		0601	R	90			93	SX 8948 6630	u/s Edginswell Pumping Stn opp	**
SX 8801 6735		0623	R		91		93	SX 8798 6740	5m d/s hedge bank Manor Drive	**
SX 8755 6900	047	0602	R	90			93	SX 8763 6883	30m d/s footbridge Aller Orcha	**
SX 8705 7060		0624	R		91		93	SX 8706 7050	15m u/s fence Plymco Superstor	**
		0625	RC		91		93	SX 8719 6908	25m u/s rd br Langford Bridge	
SX 8550 7452	044	0603	R	90			93	SX 8573 7358	300m u/s Teignbridge	
SX 8672 7513		0626	R		91		93	SX 8660 7530	15m d/s discharge Higher Sandy	**
SX 8575 7375	046	0604	R		91		93	SX 8575 7397	approx 55m u/s footbr prior to	** Note W
SX 7696 7556		0627	R		91		93	SX 7696 7556	10m u/s br Bagator Mill	*
SX 7784 7355		0622	R	90			93	SX 7805 7352	250m d/s Sig confl 30m d/s mi	* **
SX 8532 7099	090	0606	R	90			93	SX 8508 7095	20m d/s footbr Bradley Park 20	
SX 8360 7287		0628	R		91		93	SX 8360 7289	25m d/s rd br 10m u/s footbr P	
SX 8550 7301		0629	R		91		93	SX 8560 7301	25m d/s rd br Blatchford	
SX 8475 7475		0605	R	90			93	SX 8470 7475	75m u/s Ventiford Bridge	** Note X
SX 8679 7483		0630	R		91		93	SX 8685 7481	15m u/s rd br New Cross Kingst	**
SX 6775 8791		0616	R	90			93	SX 6772 8783	100m u/s Gidleigh Park Hotel B	
SX 7048 8823	094	0607	R	90			93	SX 6940 8798	50m d/s Rushford Br u/s Chagfo	
SX 7809 8979		0631	R		91		93	SX 7812 8979	30m d/s Clifford Bridge	
SX 8343 8723	042	0608	R	90			93	SX 8343 8720	50 m d/s rd br d/s Bridfordmil	
SX 8435 8408		0632	R		91		93	SX 8425 8422	120m u/s Spara Bridge	
SX 8449 8161		0647	R				93			** Note B Y

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	1990	USE	YEAR 90	91	92	93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
TEIGN - 6C	Teign	Crocombe Bridge	R06C006	SX 8485 8115		0633	R		91		93	SX 8470 8135	225m u/s Crocombe Bridge opp K	* Note Z
TEIGN - 6C	Teign	Chudleigh Bridge	R06C007	SX 8575 7847	043	0609	R	90			93	SX 8580 7814	400m d/s Chudleigh Bridge	Note AA
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 Gappha	* **
TEIGN - 6C	Haldon Stream					0636	RC		91		93	SX 8796 8032	160m u/s footbr Hams 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	Hyner Bridge	R06C010	SX 8368 8170	092	0612	R	90			93	SX 8368 8170	10m u/s Hyner Bridge	
TEIGN - 6C	Beadon Brook	prior to River Teign	R06C040	SX 8438 8170		0637	R		91		93	SX 8433 8169	40m d/s B3193 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 B3193 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	Crockernwell Stream					0640	RC		91		93	SX 7617 9267	35m d/s rd br	** Note AB
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		0642	R		91		93	SX 7811 8974	10m d/s br Clifford Bridge Par	** Note AB
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 - 6D	Bovey	Blackaller North Bovey	R06D001	SX 7376 8375	095	0617	R	90			93	SX 7380 8370	75m d/s Blackaller 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 Far	
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 AC
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	91		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	Littlehempston	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	
DART - 7B	Dart	Buckfast Abbey	R07B007	SX 7430 6730		0726	R		91		93	SX 7383 6807	30m u/s wood opp Blackmoor Far	
DART - 7B	Dart	d/s Buckfast Plating	XXXX R07B038	SX 745 668			X							** Note C
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 C
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	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
DART - 7B	Mardle	Combe	R07B013	SX 7030 6810		0733	R				93			* Note B
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	Holy Brook	Northwood Buckfast	R07B020	SX 7401 6767		0714	R	90			93	SX 7400 6767	40m u/s rd br Northwood Buckfa	
DART - 7B	Ruddycleave Water					0729	RC		91		93	SX 7245 7308	15m u/s bridge Ruddycleave 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	R07B037	SX 7011 7390		0730	R		91		93	SX 7010 7390	20m u/s Ponsworthy Bridge	**
DART - 7B	Venford Brook					0732	RC		91		93	SX 6870 7139	25m d/s railings d/s WTW	**
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 Babney 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 7530		0733	R		91		93	SX 6028 7529	30m u/s br Beardown Farm	*
GARA - 8A	The Gara	Woodford	R08A002	SX 7986 5103		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 4435		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 B
GARA - 8A	The Gara	Slapton Ley 2	R08A019	SX 8238 4336		0823	L							* ** Note B
GARA - 8A	The Gara	Slapton Ley 3	R08A020	SX 8215 4272		0824	L							* ** Note B
GARA - 8A	The Gara	Torcross	R08A007	SX 8222 4207		0804	L					unsuitable for invertebrate sampling		* Note AD
GARA - 8A	Slapton Stream	Deer Bridge	R08A012	SX 8131 4455		0805	R	90			93	SX 8205 4413	Iron Bridge	** Note AE AF
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 7503 4438		0806	R	90			93	SX 7511 4448	100m u/s road bridge Bowcombe	** Note AG
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	RZ	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	A38 Bridge	R08B008	SX 6978 5925		0820	R		91		93	SX 6977 5923	5m u/s discharge 50m u/s A38 b	
AVON - 8B	Avon	Horsebrook	R08B002	SX 7126 5845	049	0809	R	90			93	SX 7122 5847	50m u/s bridge Horsebrook	*
AVON - 8B	Avon	Gara Bridge	R08B003	SX 7290 5347		0810	R	90			93	SX 7290 5332	150m d/s Gara Bridge	*
AVON - 8B	Avon	Loddiswell	R08B004	SX 7272 4822		0821	R		91		93	SX 7268 4825	40m d/s br Loddiswell	**
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	Bala 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	

Table 3.2 cont. The routine biological monitoring programme
ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH..... SITE	URN
ERME - 9B	Erme	A 38 bridge Ivybridge	R09B012
ERME - 9B	Erme	Cleeve	R09B002
ERME - 9B	Erme	Lower Keaton	R09B010
ERME - 9B	Erme	Fawn's Bridge	R09B011
ERME - 9B	Erme	Sequer's Bridge	R09B003
ERME - 9B	Lud Brook	Fawn's Bridge	R09B017
ERME - 9B	Left Lake		
ERME - 9B	Red Lake		
COASTAL - 10A	Wembury Stream	prior to Beach	R10A001
YEALM - 10B	Yealm	Hele Cross	R10B022
YEALM - 10B	Yealm	Fardel Mill Farm Bridge	R10B002
YEALM - 10B	Yealm	d/s R. Piall & Ridgecot Lake	R10B024
YEALM - 10B	Yealm	Lee Mill Bridge	R10B003
YEALM - 10B	Yealm	Popple's Bridge	R10B021
YEALM - 10B	Yealm	Yealm Bridge	R10B004
YEALM - 10B	Yealm	Puslinch Bridge	R10B005
YEALM - 10B	Silverbridge Lake	Brixton	R10B018
YEALM - 10B	Piall	Quick Bridge	R10B007
YEALM - 10B	Piall	Mark's Bridge	R10B008
YEALM - 10B	Ford Brook		
YEALM - 10B	Broadall Lake		
YEALM - 10B	Cholwichtown	prior to River Piall	R10B006
YEALM - 10B	Long Brook	Yealm Bridge	R10B014
COASTAL - 10B	Newton Stream	Bridgend	R10B015
PLYM - 11A	Tory Brook	Tolchmoor Bridge	R11A001
PLYM - 11A	Tory Brook	Coleland Bridge	R11A002
PLYM - 11A	Tory Brook	Coleland Bridge	R11A002
PLYM - 11A	Tory Brook	Portworthy Bridge	R11A003
PLYM - 11A	Tory Brook	Station Road Plympton	R11A004
PLYM - 11A	Tory Brook	Marsh Mills Bridge	R11A005
Plym - 11A	Smallhanger Brook	prior to Tory Brook	R11A020
PLYM - 11B	Plym	u/s Blackabrook	R11B001
PLYM - 11B	Plym	d/s Blackabrook	R11B002
PLYM - 11B	Plym	Cadover Bridge	R11B003
PLYM - 11B	Plym	Shaugh Bridge (Wooden)	R11B004
PLYM - 11B	Plym	Bickleigh	R11B018
PLYM - 11B	Plym	Plym Bridge	R11B006
PLYM - 11B	Meavy	Weir u/s Burrator Reservoir	R11B008
PLYM - 11B	Meavy	d/s Burrator Reservoir	R11B009
PLYM - 11B	Meavy	Gratton Ford Bridge	R11B010
PLYM - 11B	Meavy	Shaugh at confl. with R. Plym	R11B011
PLYM - 11B	Blackabrook	confluence with River Plym	R11B007

VERSION 1a JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992
(preceeded by 2 draft versions) (minor revision but not update 12 June 1992)

NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
SX 6331 5576		0905	R		91	92		SX 6331 5578	20m u/s A30 br u/s storm overf	
SX 6335 5520		0906	R		91	92		SX 6334 5525	10m u/s br Cleeve	
SX 6405 5448		0902	RD	90	91	92	93	SX 6403 5449	10m u/s bridge Lower Keaton	
SX 641 531		0907	R		91	92		SX 6409 5304	30m u/s Fawn's Bridge	
SX 6321 5188	051	0903	RD	90	91	92	93	SX 6335 5225	500m u/s Sequer's Bridge	*
SX 6404 5308		0904	R	90		92		SX 6413 5308	50m u/s br to fish farm Fawn's	**
		0908	RC		91	92		SX 6402 6330	10m u/s Erme confl u/s weir	
		0909	RC		91	92		SX 6358 6612	20m u/s Erme confl	
SX 5175 4852		1007	R		91	92		SX 5188 4880	Wembury	
SX 6147 6088		1008	R		91	92		SX 6144 6090	Hele Cross	
SX 6025 5720	101	1001	R	90		92		SX 6032 5761	Fardel Mill Farm Bridge	
SX 6019 5702		1009	R		91	92		SX 6022 5700	u/s Fardel Moor Weir d/s lake	**
SX 5997 5575		1010	R		91	92		SX 6001 5580	Lee Mill Bridge	
SX 5985 5432		1011	R		91	92		SX 5983 5434	Popple's Bridge	**
SX 5902 5199	100	1002	R	90		92		SX 5898 5194	Yealm Bridge	
SX 5710 5100		1012	R		91	92		SX 5706 5099	Puslinch Bridge	
SX 5610 5201		1003	R	90		92		SX 5620 5204	Brixton	
SX 5915 6083		1004	R	90		92		SX 5897 6082	Quick Bridge	**
SX 6013 5716	102	1005	R	90		92		SX 5998 5770	Mark's Bridge	**
		1013	RC		91	92		SX 6137 6180	Dendles Green	
		1014	RC		91	92		SX 6138 6184	Dendles Wood Bridge	
SX 5915 6088		1006	R	90		92		SX 5921 6087	prior to river Piall	**
SX 5936 5212		1016	R		91	92		SX 5941 5213	Yealmbridge	**
SX 5578 4823		1017	R		91	92		SX 5559 4821	Bridgend	** Note AH
SX 5786 6173	054	1101	R	90		92		SX 5792 6192	Tolchmoor Bridge	
SX 5655 6075		1107	RZ		91			SX 5660 6088	Coleland Bridge	** Note AI
SX 5655 6075		1118	R			92				** Note AI
SX 5562 6008		1108	R		91	92		SX 5558 6016	Portworthy Bridge	**
SX 5392 5655	055	1102	R	90		92		SX 5431 5692	Station Road Plympton	
SX 5275 5660		1109	R		91	92		SX 5281 5658	Marsh Mills Bridge	
SX 5505 5740		1117	R	90		92				* Note B
SX 5648 6446		1110	R		91	92		SX 5647 6445	u/s Blackabrook	
SX 5639 6450		1111	R		91	92		SX 5639 6448	d/s Blackabrook	
SX 5556 6465	052	1103	R	90		92		SX 5550 6462	Cadover Bridge	
SX 5335 6368		1112	R		91	92		SX 5336 6369	Shaugh Bridge (Wooden)	
SX 5270 6181		1113	R		91	92		SX 5270 6181	Bickleigh	
SX 5237 5867	053	1104	R	90		92		SX 5196 5860	Plym Bridge	
SX 5669 6925		1114	R		91	92		SX 5675 6927	Weir u/s Burrator Reservoir	
SX 5514 6791		1105	R	90		92		SX 5515 6790	d/s Burrator Reservoir	
SX 5295 6704		1115	R		91	92		SX 5297 6705	Gratton Ford Bridge	
SX 5330 6375	166	1106	RD	90	91	92	93	SX 5265 6561	Hoo Meavy	
SX 5646 6441		1116	R		91	92		SX 5648 6441	confluence with River Plym	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980	1990	USE	YEAR: 90	91	92	93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
TAVY - 12B	Tamerton Foliot Strea	Tamerton Foliot	R12B004	SX 4718 6093		1201	R	90		92		SX 4722 6093	Tamerton Foliot	** Note AJ
TAVY - 12B	Tamerton Foliot Strea	Tamerton Foliot (d/s trib)	R12B005	SX 4690 6090		1279	R		91	92		SX 4687 6090	Tamerton Foliot (d/s trib)	* ** Note AJ
TAVY - 12B	Milton Brook	d/s Milton Coombe	R12B001	SX 4821 6475		1202	R	90		92		SX 4829 6479	point 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 Crowndale STW XXXX	R12C023	SX 471 721			X							* ** Note C
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 AK
TAVY - 12C	Moortown Brook	Mt House School	R12C021	SX 4931 7470		1207	RZ	90				SX 4930 7460	Mt House School	** Note A AL
TAVY - 12C	Wallabrook	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	R	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 D
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 AM
TAVY - 12D	Walkham	Grenofen Bridge	R12D004	SX 4900 7098	169	1213	R	90		92		SX 4890 7101	Grenofen Bridge	Note D
TAMAR - 12E	Tamar	Greystone Bridge	R12E001	SX 3683 8038	058	1214	R	90		92		SX 3683 8025	Greystone Bridge	
TAMAR - 12E	Tamar	Horsebridge	R12E002	SX 4001 7486	059	1215	R	90		92		SX 4001 7482	Horsebridge	
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 AN
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 AN
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 3569 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	
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	Lifton Bridge	R12F002	SX 3892 8480	060	1223	R	90		92		SX 3893 8477	Lifton Bridge	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	1990	USE	YEAR 90	91	92	93	BIOLOGICAL SITE NGR (bio)	SITE	NOTES
TAMAR - 12F	Lyd	prior to River Thrushel	R12F016	SX 393 849		1295	R		91	92		SX 3922 8497	prior to River Thrushel	
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	Lew	Combebow Bridge	R12F003	SX 4853 8793		1226	R	90		92		SX 4854 8799	Combebow Bridge	
TAMAR - 12F	Lew	prior to River Lyd	R12F004	SX 4410 8340	104	1225	R	90		92		SX 4268 8393	prior to River Lyd	** Note AO
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 8972	u/s Wrixhill Bridge	** Note AP
TAMAR - 12G	Thrushel	Wrixhill Bridge	R12G002	SX 4656 8988		1297	RZ		91			SX 4654 8987	Wrixhill Bridge	** Note AP
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	**
TAMAR - 12G	Wolf	Roadford New Bridge	R12G084	SX 419 828		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				* Note B AQ
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	Druxton Bridge	R12J002	SX 3444 8833		12105	R		91	92		SX 3443 8830	Druxton 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	Tala Water	Bridgetown	R12J006	SX 3418 8913		1240	R	90		92		SX 3410 8913	Bridgetown	
TAMAR - 12J	Lana Lake	Lane 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	Hollacombe Stream	Hayne Farm			107	1243	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	100m d/s of Holsworthy STW	R12K007	SS 3387 0317		1246	R	90		92		SS 3387 0316	100m d/s Holsworthy STW	
TAMAR - 12K	Dunstaple Brook					12110	RC		91	92		SS 3452 0352	u/s Coles Mill confluence	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	NGR (bio)	BIOLOGICAL SITE	NOTES
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 Lak	R12L009	SS 2956 1070		12112	R		91	92		SS 2955 1070	d/s Lower Tamar Lake	*
TAMAR - 12L	Tamar	Dexbeer Bridge	R12L006	SS 2953 0895		1247	RD	90	91	92	93	SS 2957 0894	Dexbeer 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 0288		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	Lamberal Water	Forda	R12L010	SS 2771 1119		12117	R		91	92		SS 2774 1116	Forda	**
TAMAR - 12L	Lamberal 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 AR
TAMAR - 12L	Derrill Water	Dualstone Bridge	R12L005	SS 3013 0058		1252	R	90		92		SS 3013 0063	Dualstone Bridge	**
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 9328		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 AS
TAMAR - 12M	Bolesbridge Water	200m d/s Navarino Bridge	R12M012	SX 2895 8920		12444	R			92			Waterloo Farm	** Note AS
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 AT
TAMAR - 12N	Kensey	Badgall Bridge	R12N003	SX 2317 8692		1260	R	90		92		SX 2312 8696	Badgall Bridge	
TAMAR - 12N	Kensey	Badharlick Bridge	R12N001	SX 2675 8643		12124	R		91	92		SX 2675 8642	Badharlick Bridge	
TAMAR - 12N	Kensey	Truscott Bridge	R12N004	SX 2987 8499		1261	R	90		92		SX 2984 8498	Truscott Bridge	
TAMAR - 12N	Kensey	Newport	R12N005	SX 3270 8511		12125	R		91	92		SX 3262 8512	Newport	
TAMAR - 12N	Kensey	St Leonards Bridge	R12N002	SX 3517 8478	062	1262	R	90		92		SX 3523 8485	St Leonards Bridge	
TAMAR - 12N	Tregeare 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	Trencarrel Bridge	R12P013	SX 3202 7713	063	1264	R	90		92		SX 3217 7710	Trencarrel Bridge	
TAMAR - 12P	Inny	Bealsmill 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	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE		URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
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	Rilla 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	Notter Bridge		R12Q007	SX 3850 6090	111	1270	R	90		92		SX 3848 6099	Notter Bridge	Note AU
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 AV
LYNHER - 12Q	Kelly Stream	d/s Callington STW	XXXX	R12Q030	SX 3547 7023			X							** Note C AV
LYNHER - 12Q	Kelly Stream	Caddapit		R12Q009	SX 3400 6888		1274	R	90		92		SX 3400 6888	Caddapit	** Note AV
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	
LHYNER - 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	Trecorme Stream	Tilland Bridge		R12R006	SX 3315 6196		1278	R	90		92		SX 3320 6200	Tilland Bridge	Note AW
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 AX
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	Tremar Stream	Rosecraddoc		R13A008	SX 2646 6760		1307	R		91		93	SX 2646 6758	Rosecraddoc	**
SEATON - 13A	Menheniot trib.	at factory (bridge u/s trib.)		R13A009	SX 2843 6207		1308	R		91		93	SX 2844 6207	at factory	**
COASTAL - 14A	Polperro River	Polperro		R14A001	SX 2078 5096		1401	R	90			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 C
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	**

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REAC SITE	URN
LOOE - 14C	West Looe River	Bosent Bridge	R14C010
LOOE - 14C	West Looe River	Scawn Mill Bridge	R14C001
LOOE - 14C	West Looe River	Churchbridge	R14C002
LOOE - 14C	West Looe River	Sowden's Bridge	R14C003
LOOE - 14C	Coldrinnick Stream	Tregarrick Mill Bridge	R14C011
LOOE - 14C	Connon Stream	u/s waste dissposal site	R14C005
LOOE - 14C	Connon Stream		
LOOE - 14C	Connon Stream	Trevillis Wood	R14C006
LOOE - 14C	Connon Stream	Herodsfoot Bridge	R14C008
LOOE - 14C	Connon Tip Stream		
FOWEY - 15A	Pont Pill	Trethake Mill	R15A003
FOWEY - 15A	Trebant Water	East Tencreek	R15A002
FOWEY - 15A	Lerryn River	Couch's Mill	R15A001
FOWEY - 15A	Lerryn River	Lerryn	R15A004
FOWEY - 15A	Bedellva Stream	Boconnoc	R15A007
FOWEY - 15B	Fowey	Harrowbridge	R15B001
FOWEY - 15B	Fowey	Lamelgate	R15B024
FOWEY - 15B	Fowey	Draynes Bridge	R15B002
FOWEY - 15B	Fowey	Treverbyn Bridge	R15B003
FOWEY - 15B	Fowey	Bodithiel Bridge	R15B004
FOWEY - 15B	Fowey	Respryn Bridge	R15B025
FOWEY - 15B	Fowey	Restormel	R15B006
FOWEY - 15B	Cardinham Water	Glynnmill	R15B021
FOWEY - 15B	Warleggan River	Panters Bridge	R15B009
FOWEY - 15B	St Neot River	Colliford Lake	R15B034
FOWEY - 15B	St Neot River	Colliford Bridge	R15B014
FOWEY - 15B	St Neot River	Two Waters Foot	R15B008
FOWEY - 15B	Northwood Brook	Wortha	R15B016
FOWEY - 15B	Northwood Brook	Trenant Bridge	R15B011
FOWEY - 15B	Siblyback Stream	Trekeivesteps Bridge	R15B010
PAR - 16A	Par River	Criggan Moor	R16A007
PAR - 16A	Par River	A 391 Bridge	R16A001
PAR - 16A	Par River	Higher Menadew	R16A006
PAR - 16A	Par River	Lavrean Bridge	R16A002
PAR - 16A	Par River	Luxulyan Bridge	R16A003
PAR - 16A	Par River	Treffrey Bridge	R16A004
PAR - 16A	Par River	St Blazey Bridge	R16A005
PAR - 16A	Par River	A3082 Bridge	R16A027
PAR - 16A	Tywardeath Stream	d/s Elmsleigh Pond	R16A017
PAR - 16A	Bokiddick Brook	Lowertown Farm	R16A014
PAR - 16A	Bokiddick Brook	Luxulyan	R16A009
PAR - 16A	Rosevean Stream	prior to Par River	R16A012
PAR - 16A	Rescorla Brook	prior to Par River	R16A029
PAR - 16A	Treverbyn Stream	prior to Par River	R16A013

VERSION 1a JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992
(preceeded by 2 draft versions) (minor revision but not update 12 June 1992)

H..... NGR (chem)	.SITE CODE. 1980	1990	USE	...YEAR.... 90	91	92	93	.....BIOLOGICAL SITE..... NGR (bio)	SITE	NOTES
SX 2128 6346		1404	R	90			93	SX 2127 6353	Bosent Bridge	**
SX 2158 6213		1405	R	90			93	SX 2160 6216	Scawn Mill Bridge	**
SX 2193 5858	067	1406	R	90			93	SX 2189 5865	Churchbridge	**
SX 2302 5556		1416	R		91		93	SX 2300 5562	Sowden's Bridge	**
SX 2058 5713		1407	R	90			93	SX 2060 5711	Tregarrick Mill Bridge	
SX 1902 6245		1418	R				93			**Note BA BB
	066	1408	RC	90			93	SX 1909 6245	d/s tip site	** A2 BA BB
SX 1962 6178		1409	R	90			93	SX 1958 6185	Trevillis Wood	Note BB
SX 2165 6042		1417	R		91		93			* Note BB
		1410	RC	90			93	SX 1891 6241	Tip discharge	* **
SX 1555 5310		1501	R	90			93	SX 1561 5315	Trethake Mill - u/s Pont	* ** Note BC
SX 1510 5546		1502	R	90			93	SX 1510 5551	East Trencreek u/s Penpoll	* ** Note BD
SX 1486 5911		1503	RZ	90				SX 1485 5919	Couch's Mill	* **Note A BE
SX 1433 5733		1510	R		91		93	SX 1432 5734	Larryn	* ** Note BE
SX 1557 6040		1511	R		91		93	SX 1550 6036	Boconnoc	* ** Note BF
SX 2065 7442		1512	R		91	92		SX 2066 7440	Harrowbridge	
SX 2230 7084		1504	R	90		92		SX 2230 7080	Lamelgate	
SX 2281 6893		1513	R		91	92		SX 2281 6898	Draynes Bridge	
SX 2063 6748		1514	R		91	92		SX 2065 6754	Treverbyn Bridge	
SX 1763 6486		1515	R		91	92		SX 1766 6488	Bodithiel Bridge	
SX 0994 6353	115	1505	R	90		92		SX 0998 6360	Respryn Bridge	
SX 1080 6130		1516	R		91	92		SX 1076 6132	Restormel	
SX 1114 6440		1506	R	90		92		SX 1110 6444	Glynmill	**
SX 1593 6795	170	1507	R	90		92		SX 1583 6810	Panters Bridge	* **
SX 1780 7110			L							**
SX 1808 7075		1517	R		91	92		SX 1810 7071	Colliford Bridge	**
SX 1855 6494	116	1508	R	90		92		SX 1842 6799	Two Waters Foot	**
SX 2063 6984		1518	R		91	92		SX 2063 6988	Wortha	Note BG
SX 2098 6829		1509	R	90		92		SX 2096 6928	Trenant Bridge	Note BG
SX 2283 6998		1519	R		91	92		SX 2279 6991	Trekeivesteps	
SX 0216 6071		1606	R		91		93	SX 0215 6076	Criggan Moor	**
SX 0229 6070		1607	R		91		93	SX 0229 6069	A 391 Bridge	**
SX 0284 5940		1608	R		91		93	SX 0296 5930	Higher Menadew	**
SX 0320 5916	117	1601	R	90			93	SX 0315 5927	Lavrean Bridge	**
SX 0486 5805		1609	R		91		93	SX 0481 5804	Luxulyan Bridge	**
SX 0575 5688	118	1602	R	90			93	SX 0567 5737	Treffrey Bridge	**
SX 0705 5518		1610	R		91		93	SX 0703 5518	St Blasey Bridge	**
SX 0747 5352		1618	R				93			* ** Note B
SX 0762 5436		1611	R		91		93	SX 0768 5431	d/s Elmsleigh Pond	*
SX 0538 6103		1612	R		91		93	SX 0538 6099	Lowertown Farm	**
SX 0553 5798		1603	R	90			93	SX 0555 5804	Luxulyan	*
SX 0340 5870		1604	R	90			93	SX 0312 5858	prior to Par River	* ** Note BH
SX 0397 5843		1617	R		91		93	SX 0353 5835	Lostoon Farm	*
SX 0453 5802		1605	R	90			93	SX 0433 5794	200m u/s Par River confluence	**

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
PAR - 16A	Carbis Stream	Hendra	R16A026	SX 9962 5935		1619	R				93			**Note B BI
PAR - 16A	Carbis Stream	d/s Wheal Prosper mica dam	R16A018	SX 0003 5955		1613	R		91		93	SX 0001 5955	d/s Wheal Prosper mica dam	* ** Note BJ
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	Molingey Guaging Station	R18A007	SX 0071 4945	121	1802	R	90			93	SX 0074 4955	Molingey Guaging Station	**
ST AUSTELL - 18A	St Austell River	Pentewan Bridge	R18A008	SX 0175 4725		1812	R		91		93	SX 0170 4730	Pentevan 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	
COASTAL - 18A	Mevagissey Stream	Car Park Mevagissey	R18A009	SX 0130 4500		1805	R	90			93	SW 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	Carlooze Bridge	
COASTAL - 18A	Portholland Stream	Portholland	R18A017	SW 9593 4130		1808	R	90			93	SW 9568 4180	Portholland	
COASTAL - 18A	Carne Stream	Melinsey Mill	R18A011	SW 9056 3928		1816	R		91		93	SW 9055 3925	Melinsey Mill	
COASTAL - 18A	Carne Stream	Pendower Beach	R18A012	SW 8975 3820		1809	R	90			93	SW 8944 3825	Pendower Beach	
COASTAL - 18A	Trengrouse Stream					1817	RC		91		93	SW 9231 4127	Trelegossick	
COASTAL - 18A	Hembal Brook	u/s bridge	R18A016	SW 9893 5206		1818	RC		91		93	SW 9893 5205	u/s Bridge	** Note A
COASTAL - 19A	Percuil River	Lanhoose	R19A034	SW 8606 3782		1901	RZ	90				SW 8605 3790	Lanhoose	** Note A
FAL - 19A	Percuil River	Trethem Mill	R19A013	SW 8613 3638		1947	R		91		93	SW 8620 3648	Trethem 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	* **
FAL - 19A	Argal Stream	Holland Mill				1904	RC	90			93	SW 7538 3199	Helland 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	
HELFORD - 19A	Porth Navas Stream	Roskellan Bridge	R19A001	SW 7575 2826		1905	R	90			93	SW 7577 2830	Trenarth Bridge	** Note BK
HELFORD - 19A	Lestraines River	Polwheveral Bridge	R19A003	SW 7369 2845	163	1906	R	90			93	SW 7377 2900	Polwheveral Bridge	
HELFORD - 19A	Carvedras Stream	prior to Lestraines River	R19A027	SW 7374 2910		1915	R	90			93	SW 7365 2913	prior to Lestraines River	
HELFORD - 19A	Gweek River	Mether-Uny Mill Bridge	R19A028	SW 7041 2911		1907	RZ	90				SW 7042 2918	Mether-uny Mill Bridge	** Note A
HELFORD - 19A	Gweek River	Gweek Bridge	R19A004	SW 7063 2675	162	1908	R	90			93	SW 7061 2717	Gweek Bridge	* **Note A BL
HELFORD - 19A	Gweek River	Danetto Bridge	R19A042	SW 7061 2685		1951	R		91		93	SW 7062 2682	Danetto Bridge	* ** Note BL
HELFORD - 19A	Tolvan Cross Stream					1952	RC		91		93	SW 7077 2751	Kestle Dee	
HELFORD - 19A	Helford River	Mellangoose	R19A029	SW 6835 2679		1909	RZ	90				SW 6826 2676	Mellangoose	** Note A

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980	1990	USE	YEAR: 90	91	92	93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
HELFORD - 19A	Helford River	upstream of Gweek Mill	R19A005	SW 7039 2649	165	1910	R	90			93	SW 7020 2647	u/s Gweek Mill	**
HELFORD - 19A	Rosevear River	Rosevear	R19A006	SW 6970 2451	161	1911	RZ	90				SW 7036 2563	Rosevear	** Note A BM
HELFORD - 19A	Rosevear River	Ponson Tuel Ford	R19A043	SW 7033 2555		1953	R		91		93	SW 7033 2551	Ponson Tuel Ford	* ** Note BM
HELFORD - 19A	Manaccan River	Polkanoggo	R19A031	SW 7560 2224		1912	RZ	90				SW 7557 2210	Polkanoggo	* Note A
HELFORD - 19A	Manaccan River	Manaccan Road bridge	R19A021	SW 7640 2468		1913	R	90			93	SW 7638 2461	Manaccan Road Bridge	
HELFORD - 19A	St Keverne Stream	Porthoustock Bridge	R19A017	SW 8058 2181		1914	R	90			93	SW 8047 2182	Porthoustock Bridge	Note BR
HELFORD - 19A	Trewince Stream	Porth Navas Bridge	R19A002	SW 7524 2775		1954	RC		91		93	SW 7520 2776	Porth Navas Bridge	** Note A
HELFORD - 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 BO
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 1268	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	Kynance Stream					1957	RC		91		93	SW 6840 1340	Kynance Cove	
COASTAL - 19A	Cury River	u/s Poldhu Beach	R19A011	SW 6668 2002		1919	R	90			93	SW 6675 2003	u/s Poldhu Beach	* ** Note BP
COASTAL - 19A	Gunwalloe Stream	Winnianton Farm	R19A040	SW 661 207		1920	R	90			93	SW 6610 2076	Winnianton Farm	**
FAL - 19B	Penkevil Stream	Parson's Hill Wood	R19B004	SW 8709 4185		1981	R		91		93	SW 8706 4198		* ** BQ BR BS
FAL - 19B	Lamorran					1929	RC	90			93	SW 8806 4228	Lamorran Wood	*Note BQ BR
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	Retew Bridge	R19C003	SW 9265 5696		1959	R		91		93	SW 9262 5700	Retew 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 (A3058)	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	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 BT
FAL - 19C	Coombe Stream	Coombe	R19C021	SW 9512 5167		1982	R				93			* Note BU
FAL - 19C	Bodalla Brook	Carsella	R19C018	SW 9409 5765		1927	R	90			93	SW 9404 5768	Carsella	
FAL - 19C	Trewithen Stream	Mellingoose	R19C016	SW 8955 4438		1928	R	90			93	SW 8952 4440	Mellingoose	**
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	R	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	Gummow	
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	

Table 3.2 cont. The routine biological monitoring programme
ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH		URN
		SITE		
FAL - 19D	Minnis Stream			
FAL - 19D	Kenwyn	New Mill		R19D016
FAL - 19D	Kenwyn	Bosvigo Bridge		R19D007
FAL - 19D	Calenick Stream	Rugus		R19D025
FAL - 19D	Calenick Stream	Calenick Bridge		R19D006
FAL - 19D	Brighton Stream	New Mills		R19D005
FAL - 19D	Zelah Brook	Gwarnick Mill		R19D030
FAL - 19D	Boscolla Stream	Boscolla Ford		R19D023
FAL - 19D	Shortlandsend Stream			
FAL - 19E	Carnon River	Chacewater Viaduct		R19E016
FAL - 19E	Carnon River	d/s Chacewater STW		R19E008
FAL - 19E	Carnon River	Twelveheads		R19E001
FAL - 19E	Carnon River	County adit discharge	XXXX	R19E002
FAL - 19E	Carnon River	d/s County and Wellington adit		R19E015
FAL - 19E	Carnon River	Bissoe Bridge		R19E003
FAL - 19E	Carnon River	Devoran Bridge		R19E004
FAL - 19E	Baldhu Stream	Bissoe Bridge		R19E021
FAL - 19E	Hick's Mill Stream	Hick's Mill		R19E019
FAL - 19E	Perranwell Stream	Perranwell		R19E020
FAL - 19E	Kennal	Tregolls Bridge		R19E005
FAL - 19E	Kennal	Ponsanooth Gauging Station		R19E006
FAL - 19E	Kennal	Sticken Bridge		R19E007
FAL - 19E	Stithians Stream	Seauraugh Moor		R19E023
FAL - 19E	St Day Stream	prior to R. Carnon		R19E022
COBER - 20A	Cober	Trenear Bridge		R20A001
COBER - 20A	Cober	Coverack Bridge		R20A008
COBER - 20A	Cober	Lowertown Bridge		R20A003
COBER - 20A	Cober	Helston Park Gauging Station		R20A009
COBER - 20A	Cober	d/s Helston STW		R20A004
COBER - 20A	Loe Pool	Loe Pool at Bar outfall		R20A005
COBER - 20A	Tolcarne Stream			
COBER - 20A	Bodilly Stream	Bodilly Mill		R20A002
COBER - 20A	Medlyn Stream	Chy Bridge		R20A006
COASTAL - 20A	Releath Stream			
COASTAL - 21A	Porthleven Stream	Penbro		R21A013
COASTAL - 21A	Porthleven Stream	upstream of harbour Porthleven		R21A010
COASTAL - 21A	Marazion River	Nancledra		R21A028
COASTAL - 21A	Marazion River	Cucurrian Mill		R21A001
COASTAL - 21A	Marazion River	Truthwell Mill Bridge		R21A002
COASTAL - 21A	Tregillowe Stream	Gwallon		R21A026
COASTAL - 21A	Trevaylor Stream	Trythogga		R21A022
COASTAL - 21A	Rosemorran Stream	Kenegie Cottage		R21A021
COASTAL - 21A	Rosemorran Stream	A 30 bridge at Chyandour		R21A008
COASTAL - 21A	Chyandour Brook	A 30 bridge at Chyandour		R21A006

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NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
		1970	RC		91		93	SW 8132 4829	Trevellan	
SW 8085 4587	078	1936	R	90			93	SW 8077 4585	New Mill	
SW 8161 4528		1937	R	90			93	SW 8155 4527	Bosvigo Bridge	
SW 7840 4381		1971	R		91		93	SW 7841 4380	Hugus	
SW 8220 4310		1938	R	90			93	SW 8200 4320	Calenick Bridge	
SW 9001 5228		1939	R	90			93	SW 9010 5239	New Mills	
SW 8165 4923		1972	R		91		93	SW 8161 4929	Gwarnick Mill	
SW 8015 4629		1983	R				93			* Note B BU
		1973	RC		91		93	SW 8000 4709	Roseworthy	* ** Note BU
SW 7446 4520		1974	R		91	92	93	SW 7443 4521	Chacewater Viaduct	**
SW 7540 4328		1975	R		91	92	93	SW 7530 4331	d/s Chacewater STW	**
SW 7618 4194	122	1940	R	90		92	93	SW 7615 4206	Twelveheads	**
SW 7660 4170			X			92				** Note C
SW 7669 4146		1976	R		91	92	93	SW 7695 4150	d/s County and Wellington edit	**
SW 7758 4115		1977	R		91	92	93	SW 7748 4128	Bissoe Bridge	**
SW 7910 3941		1978	R		91	92	93	SW 7909 3942	Devoran Bridge	**
SW 7760 4146		1941	R	90		92	93	SW 7760 4149	Bissoe Bridge	
SW 7673 4115		1942	R	90		92	93	SW 7676 4113	Hick's Mill	Note BW
SW 7758 3940		1943	R	90		92	93	SW 7759 3939	Perranwell	
SW 7300 3613		1944	R	90		92	93	SW 7295 3605	Tregolls Bridge	
SW 7631 3768	077	1945	R	90		92	93	SW 7562 3795	Ponsanooth Gauging Station	
SW 7735 3819		1979	R		91	92	93	SW 7735 3819	Sticken Bridge	
SW 7349 3735		1946	R	90		92	93	SW 7343 3747	Seauraugh Moor	
SW 7595 4225		1980	R		91	92	93	SW 7595 4225	Twelve Heads prior to R Carnon	**
SW 6810 3138	084	2001	RD	90	91	92	93	SW 6828 3144	Tranear Bridge	
SW 6686 3013		2005	R		91	92		SW 6688 3012	Coverack Bridge	
SW 6580 2913	085	2002	RD	90	91	92	93	SW 6594 2910	Lowertown Bridge	**
SW 6548 2723		2006	R		91	92		SW 6553 2730	Helston Park	**
SW 6526 2681		2007	R		91	92		SW 6524 2679	d/s Helston STW	
SW 6425 2428		2003	R	90		92		SW 6430 2428	Loe Pool at Bar outfall	
		2008	RC		91	92		SW 6876 3470	Tolcarne	
SW 6700 3185		2004	RD	90	91	92	93	SW 6700 3185	Bodilly Mill	
SW 6935 3263		2009	R		91	92		SW 6937 3263	Lower Polkellis	
		2010	RC		91	92		SW 6625 3270	Vellanewson	
SW 6283 2825		2112	R		91		93	SW 6284 2826	Penbro	**
SW 6273 2600		2101	R	90			93	SW 6275 2595	upstream from harbour	**
SW 4965 3603		2113	R		91		93	SW 4944 3610	Nancledra	* ** Note BY
SW 5034 3494		2121	R				93			* ** Note B
SW 5237 3247	076	2102	R	90			93	SW 5247 3257	Truthwell Mill Bridge	** Note BY
SW 5256 3213		2114	R		91		93	SW 5258 3213	Gwallon	
SW 4769 3180		2103	R	90			93	SW 4764 3183	Trythogga	
SW 4788 3220		2115	R		91		93	SW 4788 3222	Kenegie Cottage	
SW 4812 3115		2104	R	90			93	SW 4812 3113	A30 Bridge at Chyandour	*
SW 4785 3102	075	2105	R	90			93	SW 4782 3104	A30 Bridge at Chyandour	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH SITE		URN
COASTAL - 21A	Lariggan River	Wherry Town Bridge		R21A007
NEWLYN - 21A	Newlyn River	Skimmel Bridge		R21A003
NEWLYN - 21A	Newlyn River	Buryas Bridge		R21A004
NEWLYN - 21A	Newlyn River	Stable Hobba		R21A027
NEWLYN - 21A	Newlyn River	Newlyn Bridge		R21A005
NEWLYN - 21A	Tereife Stream	Dennis Place		R21A019
NEWLYN - 21A	Tereife stream	prior to Newlyn River		R21A020
COASTAL - 21A	Lamorna Stream	Lamorna		R21A011
COASTAL - 21A	Carn Euny Stream	Trewoolfe		R21A015
COASTAL - 21A	Fiddlers Brook			
NEWLYN - 21A	Sancreed Brook	Little Sellan Bridge		R21A017
COASTAL - 22A	Penberth Stream	Penberth Bridge		R22A009
HAYLE - 22A	Angarrack Stream	Nanpusker		R22A014
HAYLE - 22A	Angarrack Stream	Phillack - Copperhouse		R22A001
COASTAL - 22A	Tregeseal Stream	prior to sea		R22A007
COASTAL - 22A	Zennor Stream	Zennor		R22A008
HAYLE - 22A	Nance Stream	Lelant		R22A005
HAYLE - 22A	Stennack River	Bussow Reservoir		R22A013
HAYLE - 22B	Hayle	B 3303 bridge, Crowan		R22B014
HAYLE - 22B	Hayle	Drym Farm		R22B015
HAYLE - 22B	Hayle	Binner Bridge		R22B001
HAYLE - 22B	Hayle	Godolphin Bridge		R22B002
HAYLE - 22B	Hayle	Relubbus		R22B003
HAYLE - 22B	Hayle	St Erth Gauging Station		R22B004
HAYLE - 22B	Bosworgy Stream			
HAYLE - 22B	Millpool Stream	Millpool		R22B013
HAYLE - 22B	Binner Down Adit	Binner Down adit	XXXX	R22B006
HAYLE - 22B	Godolphin Stream	Gwedna		R22B017
HAYLE - 22B	Nancegollan Stream	Trenwheal		R22B016
HAYLE - 22B	St Erth Stream	Treloweth		R22B018
RED - 23A	Red River	u/s Brea Tin Works		R23A001
RED - 23A	Red River	u/s South Crofty Mine		R23A002
RED - 23A	Red River	Rosecroggan Bridge		R23A003
RED - 23A	Red River	Dolcoath adit discharge	XXXX	R23A004
RED - 23A	Red River	Kieve Bridge		R23A005
RED - 23A	Red River	Gwithian Towans		R23A006
RED - 23A	Roseworthy Stream	Botetoe Bridge		R23A038
RED - 23A	Roseworthy Stream	Penponds		R23A008
RED - 23A	Roseworthy Stream	Nancemellin		R23A009
RED - 23A	Praze River	Cargenwen No 1 Reservoir		R23A050
RED - 23A	Praze River	Praze		R23A045
RED - 23A	Praze River	Barripper		R23A037
RED - 23A	Tehidy Stream	Old Merrose		R23A041
RED - 23A	Tehidy Stream	Coombe		R23A017

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NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
SW 4675 2945	073	2106	R	90			93	SW 4608 2995	Wherry Town Bridge	**
SW 4335 3018		2107	R	90			93	SW 4332 3020	Skimmel Bridge	**
SW 4475 2908		2111	R	90			93	SW 4460 2910	Buryas Bridge	**
SW 4550 2931		2116	R		91		93	SW 4542 2930	Stable Hobba	**
SW 4625 2903	074	2108	R	90			93	SW 4609 2914	Newlyn Bridge	**
SW 4461 3005		2117	R		91		93	SW 4457 3008	Dennis Place	**
SW 4520 2928		2118	R		91		93	SW 4519 2932	prior to Newlyn River	**
SW 4502 2410		2109	R	90			93	SW 4500 2416	Lamorna	
SW 4401 2524		2110	R	90			93	SW 4390 2520	Trewoolfe	* ** Note BZ
		2119	RC		91		93	SW 4321 2661	Bojewans	
SW 4256 2975		2120	R		91		93	SW 4231 2981	Little Sellan Bridge	
SW 4012 2287		2201	R	90			93	SW 4008 2295	Penberth Bridge	
SW 5885 3737		2207	R		91		93	SW 5885 3734	Nanpusker	
SW 5687 3810		2202	R	90			93	SW 5699 3834	Phillack - Copperhouse	
SW 357 325		2208	R		91		93	SW 3590 3235	prior to sea	**Note CA
SW 453 387		2209	R		91		93	SW 4540 3846	Zennor	**
SW 5411 3650		2203	R	90			93	SW 5407 3647	Lelant	
SW 5015 3915			L							**
SW 6382 3466		2210	R		91		93	SW 6375 3467	B 3303 bridge Crowan	
SW 6203 3378		2211	R		91		93	SW 6205 3382	Drym Farm	**
SW 6110 3273		2212	R		91		93	SW 6115 3277	Binner Bridge	
SW 5961 3241	086	2204	R	90			93	SW 5969 3246	Godolphin Bridge	
SW 5661 3196		2213	R		91		93	SW 5664 3193	Relubbus	
SW 5490 3508	087	2205	R	90			93	SW 5493 3507	St Erth Gauging Station	
		2214	RC		91		93	SW 5610 3299	Trannack	
SW 5761 3145		2206	R	90			93	SW 5715 3138	Millpool	
SW 6110 3280			X							
SW 6040 3212		2215	R		91		93	SW 6043 3208	Gwedna	
SW 6145 3307		2216	R		91		93	SW 6145 3306	Trenwheal	**
SW 5430 3556		2217	R		91		93	SW 5435 3556	Treloweth	
SW 6690 3930		2314	R		91		93	SW 6692 3917	u/s Brea Tin Works	** Note CB
SW 6613 4090		2315	R		91		93	SW 6615 4088	u/s South Crofty Mine	** Note CD
SW 6502 4201	123	2301	R	90			93	SW 6498 4197	Rosecroggan Bridge	* **
SW 6579 4189			X							**
SW 6293 4230		2316	R		91		93	SW 6292 4228	Kieve Bridge	**
SW 5825 4222		2302	R	90			93	SW 5880 4200	Gwithian Towans	** Note CE
SW 6373 3774	124	2303	R	90			93	SW 6404 3765	Botetoe Bridge	
SW 6302 3908		2317	R		91		93	SW 6304 3907	Penponds	
SW 6062 4107		2304	R	90			93	SW 6064 4097	Nancemellin	
SW 6508 3521			L							**
SW 6400 3563		2318	R		91		93	SW 6409 3558	Praze-an-Beeble	**
SW 6330 3819		2305	R	90			93	SW 6334 3815	Barripper	**
SW 6510 4327		2319	R		91		93	SW 6513 4327	Old Merrose	**
SW 6299 4240		2306	R	90			93	SW 6298 4238	Coombe	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH..... SITE	URN
RED - 23A	Tehidy Stream	Tolvaddon Bridge	R23A042
RED - 23A	Reen Stream	Ramsgate	R23A007
COASTAL - 23A	Portreath Stream	Bridge (d/s Cambrose)	R23A015
COASTAL - 23A	Redruth Stream	North Country bridge	R23A014
COASTAL - 23A	Mawla Stream		
COASTAL - 23A	Cambrose Stream		
COASTAL - 23A	Porthtowan Stream	Porthtowan Bridge	R23A013
COASTAL - 23A	Porthtowan Stream	Mount Hawke	R23A043
COASTAL - 23A	Menagissey Stream	Menagissey Bridge	R23A052
COASTAL - 23A	Trevellas Stream	u/s Trevalnance Cove	R23A051
COASTAL - 23A	Bolingey Stream	Perranwell	R23A048
COASTAL - 23A	Bolingey Stream	Ponsmere Bridge	R23A011
COASTAL - 23A	Perranporth Stream	Silverwell	R23A046
COASTAL - 23A	Perranporth Stream	Mithian	R23A047
COASTAL - 23A	Perranporth Stream	Pleasure Gardens Perranporth	R23A012
COASTAL - 23A	Penwartha Stream		
COASTAL - 23A	Holywell Stream	Trelaske	R23A049
COASTAL - 23A	Holywell Stream	Holywell Bay Bridge	R23A010
COASTAL - 32A	Treamble Stream		
COASTAL - 23A	St Agnes Stream	prior to culvert St Agnes	R23A016
COASTAL - 23A	Porth Joke Stream	Trevowah	R23A103
COASTAL - 23A	Porth Joke Stream	prior to beach	R23A061
GANNEL - 24A	Gannel	Perrose	R24A008
GANNEL - 24A	Gannel	Kestle Mill Bridge	R24A005
GANNEL - 24A	Gannel	Gwills Gauging Station	R24A006
GANNEL - 24A	Gannel	Trevemper	R24A009
GANNEL - 24A	Treloggan Stream	A 3075 roundabout	R24A018
GANNEL - 24A	Newlyn East Stream	Rosecliston	R24A012
GANNEL - 24A	Benny Stream	Benny Mill Bridge	R24A004
GANNEL - 24A	Benny Stream	Treworry Mill	R24A010
GANNEL - 24A	East Wheal Rose Str	East Wheal Rose Bridge	R24A001
GANNEL - 24A	East Wheal Rose Str	Metha Bridge	R24A003
GANNEL - 24A	East Wheal Rose Str	Benny Bridge	R24A011
GANNEL - 24A	Tren Creek	boating lake overflow	R24A019
COASTAL - 25A	Porth Stream	Tregoose Ford Bridge	R25A004
COASTAL - 25A	Porth Stream	Melancoose	R25A009
COASTAL - 25A	Porth Stream	Rialton Bridge	R25A005
COASTAL - 25A	St Mawgan Stream	Whipsiderry	R25A013
MENALHYL - 25A	Menalhyl	Tregamere	R25A014
MENALHYL - 25A	Menalhyl	St Columb Major Bridge	R25A001
MENALHYL - 25A	Menalhyl	d/s St Columb STW	R25A011
MENALHYL - 25A	Menalhyl	St Mawgan Bridge	R25A002
MENALHYL - 25A	Menalhyl	Mawgan Porth Bridge	R25A003
MENALHYL - 25A	Gluivan Stream	Gluivan	R25A018
MENALHYL - 25A	Tregatillian Stream	Tregatillian	R25A016
MENALHYL - 25A	Reterth Stream	Reterth	R25A017

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NGR (chem)	SITE CODE 1980	1990	USE	YEAR 90	91	92	93	NGR (bio)	SITE	NOTES
SW 6637 4217		2320	R		91		93	SW 6633 4220	Tolvaddon Bridge	Note CF
SW 6416 3849		2307	R	90			93	SW 6420 3845	Ramsgate	
SW 6736 4487	125	2308	R	90			93	SW 6708 4495	Bridge	**
SW 6896 4386		2330	R		91		93	SW 6899 4379	North Country Bridge	
		2322	RC		91		93	SW 6873 4529	Pigallie Mawla	
		2321	RC		91		93	SW 6870 4528	Pigallie Cambrose	
SW 6950 4747		2309	R	90			93	SW 6954 4740	Porthtowan Bridge	
SW 7142 4795		2331	R		91		93	SW 7141 4795	Banns Vale	** Note CK
SW 7101 4626		2323	R		91		93	SW 7082 4638	Managissey Bridge	**
SW 7280 5172		2310	R	90			93	SW 7284 5166	u/s Trevalance Cove	
SW 7685 5286		2324	R		91		93	SW 7691 5287	Perranwell	
SW 7602 5443		2311	R	90			93	SW 7604 5432	Ponsmere Bridge	
SW 7473 4775		2325	R		91		93	SW 7471 4770	Silverwell	**
SW 7467 5060		2326	R		91		93	SW 7468 5055	Mithian	
SW 7560 5407		2312	R	90			93	SW 7555 5396	Pleasure Gardens Perranporth	
		2327	RC		91		93	SW 7583 5226	Penwartha	
SW 7893 5681		2328	R		91		93	SW 7894 5679	Trelaske	
SW 7673 5885		2313	R	90			93	SW 7680 5868	Holywell Bay Bridge	
		2329	RC		91		93	SW 7842 5606	Trinklet	
SW 7217 5138		2332	R		91		93	SW 7212 5128	prior to culvert St Agnes	
SW 790 596		2333	RZ	90				SW 7900 5967	Trevowah	*NoteCG CH CI
SW 7736 6028		2334	R		91		93	SW 7728 6039	prior to beach	*NoteCG CH CJ
SW 8842 5827		2410	R		91		93	SW 8846 5826	Perrose	
SW 8500 5931		2402	R	90			93	SW 8510 5925	Kestle Mill Bridge	*
SW 8293 5927	126	2403	R	90			93	SW 8301 5929	Gwills Gauging Station	
SW 8192 5992		2411	R		91		93	SW 8194 5983	Trevemper	
SW 8196 6007		2404	R	90			93	SW 8196 6007	A3075 roundabout	**
SW 817 588		2405	R	90			93	SW 8171 5877	Rosecliston	Note CL
SW 8416 5742		2406	R	90			93	SW 8421 5739	Benny Mill Bridge	*
SW 8373 5801		2407	R	90			93	SW 8373 5800	Treverry Mill	
SW 8347 5523		2412	R		91		93	SW 8346 5523	East Wheal Rose Bridge	
SW 8391 5635		2413	R		91		93	SW 8387 5632	Metha Bridge	
SW 8380 5727		2408	R	90			93	SW 8377 5712	Benny Bridge	
SW 8145 6075		2414	R				93			* ** Note B
SW 8833 6157		2525	R		91	92		SW 8825 6162	Tregoose Ford Bridge	
SW 8615 6212	128	2501	R	90		92		SW 8621 6212	Melancoose	
SW 8468 6232		2502	R	90		92		SW 8478 6231	Rialton Bridge	*
SW 8373 6327		2526	R		91	92		SW 8373 6338	Whipsiderry	
SW 9270 6457		2527	R		91	92		SW 9266 6461	Tregamere	
SW 9141 6399		2528	R		91	92		SW 9145 6398	St Columb Major Bridge	
SW 9041 6413		2529	R		91	92		SW 9046 6412	d/s St Columb STW	
SW 8726 6600	164	2503	R	90		92		SW 8730 6592	St Mawgan Bridge	
SW 8493 6716		2530	R		91	92		SW 8492 6715	Mawgan Porth Bridge	
SW 8621 6692		2504	R	90		92		SW 8629 6693	Gluivan	**
SW 9270 6323		2531	RC		91	92		SW 9269 6323	Tregatillian	* Note A
SW 9456 6360		2532	RC		91	92		SW 9434 6356	Reterth	* Note A

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH SITE	URN
COASTAL - 25A	Porthcothan Stream	Porthcothan road bridge	R25A008
COASTAL - 25A	Penrose Stream		
COASTAL - 25A	Harlyn Water	Trenearne Bridge	R25A026
COASTAL - 25A	Harlyn Water	Harlyn Bridge	R25A007
COASTAL - 25A	St Merryn Brook		
COASTAL - 25A	Issey Brook	Mellingey d/s trib	R25A024
CAMEL - 25A	Amble	St Kew Ford	R25A010
CAMEL - 25A	Amble	Chapel Amble Bridge	R25A006
CAMEL - 25A	Mountjoy Stream	Trewassick Bridge	R25A015
CAMEL - 25B	Polmorla Stream	Polmorla	R25B053
CAMEL - 25B	Camel	Slaughterbridge	R25B021
CAMEL - 25B	Camel	Camelford Bridge	R25B001
CAMEL - 25B	Camel	Pencarrow	R25B022
CAMEL - 25B	Camel	Trecarne Bridge	R25B002
CAMEL - 25B	Camel	Gam Bridge	R25B003
CAMEL - 25B	Camel	Wenford	R25B023
CAMEL - 25B	Camel	Tresarret Bridge	R25B004
CAMEL - 25B	Camel	Hellandbridge	R25B005
CAMEL - 25B	Camel	Dunmere Bridge	R25B006
CAMEL - 25B	Camel	Nanstallon Bridge	R25B007
CAMEL - 25B	Camel	Grogley	R25B008
CAMEL - 25B	Camel	Polbrock	R25B029
CAMEL - 25B	Ruthern	Withiel Bridge	R25B027
CAMEL - 25B	Ruthern	Grogley Downs Bridge	R25B028
CAMEL - 25B	Lanivet Stream	Lanivet	R25B014
CAMEL - 25B	Lanivet Stream	Hoopers Bridge	R25B015
CAMEL - 25B	Lanivet Stream	Nanstallon Bridge	R25B016
CAMEL - 25B	St Lawrence Stream	A 30 bridge	R25B017
CAMEL - 25B	St Lawrence Stream	u/s St Lawrence STW	R25B040
CAMEL - 25B	St Lawrence Stream	prior to River Camel	R25B038
CAMEL - 25B	Dunmere Stream	Dunmere	R25B026
CAMEL - 25B	Clerkenwater	Clerkenwater	R25B018
CAMEL - 25B	Blisand Stream		
CAMEL - 25B	Shallow Water		
CAMEL - 25B	Stannon Stream	Trecarne	R25B025
CAMEL - 25B	Crowdy Stream	Crowdy Reservoir	R25B031
CAMEL - 25B	Crowdy Stream		
CAMEL - 25B	Davidstow Stream	Tregoodwell	R25B024
CAMEL - 25C	de Lank River	Bradford Bridge	R25C001
CAMEL - 25C	de Lank River	Keybridge	R25C002
CAMEL - 25D	Allen	Knightsmill Bridge	R25D001
CAMEL - 25D	Allen	Kellygreen Bridge	R25D002
CAMEL - 25D	Allen	Sladesbridge	R25D003
CAMEL - 25D	Delabole Stream	Newhall Green	R25D009

VERSION 1a (preceeded by 2 draft versions)

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NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
SW 8594 7208		2505	R	90		92		SW 8597 7206	Porthcothan Road Bridge	
		2533	RC		91	92		SW 8748 7061	Penrose	**
SW 8890 7465		2555	R			92				* ** B CM
SW 8787 7539		2506	R	90		92		SW 8802 7532	Harlyn Bridge	Note CM
		2534	RC		91	92		SW 8885 7431	Treveglos	Note CM
SW 9206 7181		2507	R	90		92		SW 9212 7171	Mellingey	* Note CN
SX 0211 7678		2535	R		91	92		SX 0211 7678	St Kew Ford	
SW 9988 7534 127		2508	R	90		92		SW 9988 7535	Chapel Amble Bridge	
SW 8601 6182		2536	RC		91	92		SW 8606 6179	Trewassick Bridge	** Note A
SW 984 717		2509	R	90		92		SW 9835 7159	Polmorla	* **
SX 1093 8555		2537	R		91	92		SX 1089 8559	Slaughterbridge	**
SX 1067 8383 131		2510	R	90		92		SX 1067 8343	Camelford Bridge	
SX 1038 8270		2538	R		91	92		SX 1043 8278	Pencarrow	
SX 0975 8053		2539	R		91	92		SX 0968 8057	Trecarne Bridge	
SX 0867 7785		2540	R		91	92		SX 0890 7790	Gam Bridge	
SX 0580 7518		2541	R		91	92		SX 0849 7519	Wenford	
SX 0868 7313		2542	R		91	92		SX 0882 7317	Treserret Bridge	
SX 0655 7150		2543	R		91	92		SX 0650 7150	Hellandbridge	**
SX 0480 6781		2544	R		91	92		SX 0484 6780	Dunmere Bridge	
SX 0348 6741 129		2511	R	90		92		SX 0354 6741	Nanstallon Bridge	
SX 0153 6850		2545	R		91	92		SX 0144 6860	Grogley	
SX 0138 6949		2546	R		91	92		SX 0145 6940	Polbrock	
SW 9981 6594		2547	R		91	92		SW 9971 6590	Withiel Bridge	**
SX 0161 6787		2512	R	90		92		SX 0157 6777	Grogley Downs Bridge	
SX 0373 6425 130		2513	R	90		92		SX 0358 6456	Lanivet	
SX 0390 6553		2514	RZ	90				SX 0388 6546	Hoopers Bridge	Note A
SX 0358 6728		2548	R		91	92		SX 0355 6730	Nanstallon	
SX 0515 6595		2515	RC	90		92		SX 0525 6586	A389 Bridge	Note A CO
SX 0450 6697 135		2516	R	90		92		SX 0456 6690	u/s St Lawrence STW	
SX 0433 6731		2549	R		91	92		SX 0432 6732	prior to River Camel	
SX 0478 6771		2517	R	90		92		SX 0475 6779	Dunmere	
SX 0688 6878		2518	R	90		92		SX 0688 6877	Clerkenwater	**
		2550	RC		91	92		SX 0905 7301	Lavathan Mills	
		2551	RC		91	92		SX 0912 7790	Jordan	
SX 0975 8053		2519	R	90		92		SX 0978 8053	Trecarne	
SX 1392 8323			L							**
		2552	RC		91	92		SX 1110 8016	Newhall	**
SX 108 833		2520	R	90		92		SX 1089 8327	Tregoodwell	
SX 1191 7543 132		2521	R	90		92		SX 1140 7593	Bradford Bridge	Note D
SX 0888 7390		2522	R	90		92		SX 0890 7390	Keybridge	** Note D
SX 0713 8063 133		2523	R	90		92		SX 0715 8067	Knightsmill Bridge	
SX 0455 7586		2553	R		91	92		SX 0455 7591	Kellygreen Bridge	
SX 0107 7147 134		2524	R	90		92		SX 0106 7145	Sladesbridge	** Note CP
SX 0700 8218		2554	R		91	92		SX 0701 8221	Newhall Green	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)		SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
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	Halamiling	
COASTAL - 26A	Crackington Stream	Crackington Haven Bridge East	R26A001	SX 143 969			2607	R		91		93	SX 1432 9677	Crackington Haven Bridge East	Note CQ CR
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 CS CT CU
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	Rodd's Bridge	
STRAT/NEET - 27A	Bude Canal	Rodds Bridge	R27A009	SS 2110 0481			2712	R		91		93	SS 2111 0479	Rodd's Bridge	
STRAT/NEET - 27A	Bude Canal						2713	RDc		91	92	93	SS 2112 0461	200m u/s Rodd's 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	91	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 CV
COASTAL - 27A	Marsland 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 CW
COASTAL - 28A	Welcombe Stream	The Hermitage	R28A005	SS 2168 1836			2801	R	90			93	SS 2160 1830	30m d/s footbr 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 CX
TORRIDGE - 29A	Yeo (Bideford)	Tuckingmill	R29A002	SS 4018 2248			2901	R	90		92		SS 4015 2245	30m 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	**
TORRIDGE - 29A	Yeo (Bideford)	Heale House	R29A003	SS 4537 2350	140		2903	R	90		92		SS 4491 2293	opposite Edge Mill House	* ** Note CY
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 (Orleig'	
	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	Runtshaw Water	Bridge	R29A026	SS 4791 2147			2943	R		91	92		SS 4794 2144	30m u/s br Weare Gifford	*
TORRIDGE - 29A	Gammaton Stream	Gammaton Reservoir	R29A013	SS 4847 2505				L							**
TORRIDGE - 29A	Jennett's Stream	Jennett's Reservoir	R29A014	SS 4441 2471				L							**
TORRIDGE - 29B	Torridge	Newbridge	R29B001	SS 5484 1121	070		2907	RD	90	91	92	93	SS 5489 1112	125m d/s New Bridge	
TORRIDGE - 29B	Torridge	Beaford Bridge	R29B002	SS 5426 1429			2937	R		91	92		SS 5428 1426	50m u/s Beaford Bridge	
TORRIDGE - 29B	Torridge	Undercleave	R29B038	SS 5179 1655			2938	R		91	92		SS 5178 1652	10m u/s track end Undercleave	
TORRIDGE - 29B	Torridge	Town Mills Torrington	R29B003	SS 4998 1838			2939	R		91	92		SS 4987 1870	300m d/s Town Mills Torrington	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH SITE	URN
TORRIDGE - 29B	Torridge	Rothern Bridge	R29B004
TORRIDGE - 29B	Torridge	Beam Bridge	R29B034
TORRIDGE - 29B	Langtree Lake	Service Farm	R29B046
TORRIDGE - 29B	Wooleigh Brook	Castle Hill	R29B037
TORRIDGE - 29B	Common Lake	Tantons Plain	R29B039
TORRIDGE - 29B	Mere	Coleford Bridge	R29B007
TORRIDGE - 29B	Mere	A 386 bridge at Merton	R29B008
TORRIDGE - 29B	Mere	Greatwood	R29B009
TORRIDGE - 29B	Little Mere River	Wooladon Moor	R29B005
TORRIDGE - 29B	Little Mere River	Burymoor Bridge	R29B006
TORRIDGE - 29B	Dolton Stream		
TORRIDGE - 29C	Torridge	Fordmill Farm	R29C001
TORRIDGE - 29C	Torridge	Putford Bridge	R29C032
TORRIDGE - 29C	Torridge	Woodford Bridge	R29C002
TORRIDGE - 29C	Torridge	Gidcott	R29C033
TORRIDGE - 29C	Torridge	Kingsley Mill	R29C003
TORRIDGE - 29C	Torridge	Sheepwash	R29B035*
TORRIDGE - 29C	Torridge	Rockhay Bridge	R29C004
TORRIDGE - 29C	Torridge	Hele Bridge	R29C005
TORRIDGE - 29C	Dipple Water	Dipple Bridge	R29C013
TORRIDGE - 29C	Cranford Water	Lane Mill Bridge	R29C044
TORRIDGE - 29C	Cranford Water	Cranford Water	XXXX R29C046
TORRIDGE - 29C	Waldon	Berridon Cottage	R29C010
TORRIDGE - 29C	Waldon	Sutcombe	R29C030
TORRIDGE - 29C	Waldon	Waldon Bridge	R29C011
TORRIDGE - 29C	Waldon	Berry Farm	R29C042
TORRIDGE - 29C	Waldon	Henscott Bridge	R29C012
TORRIDGE - 29C	Lew	Hole Stock Bridge	R29C006
TORRIDGE - 29C	Lew	Bloomaford	R29C025
TORRIDGE - 29C	Lew	Great Rutleigh	R29C007
TORRIDGE - 29C	Lew	Hatherleigh Bridge	R29C008
TORRIDGE - 29C	Lew	Lewer Bridge	R29C009
TORRIDGE - 29C	Pulworthy Brook	Furzehill	R29C021
TORRIDGE - 29C	Medland Brook	Waterhouse	R29C022
TORRIDGE - 29C	Hookmoor Brook	Narracott Ford	R29C023
TORRIDGE - 29C	Wagaford Water	Wagaford Bridge	R29C024
TORRIDGE - 29C	North Lew Stream	North Lew	R29C026
TORRIDGE - 29C	Stoney Stream	Coombe	R29C029
TORRIDGE - 29C	Cookbury Stream	Bason Cross	R29C043
TORRIDGE - 29C	Mussel Brook	Westover	R29C038
TORRIDGE - 29C	Whiteleigh Water	Dippermill	R29C039
TORRIDGE - 29C	Clifford Water	Biteford	R29C040
TORRIDGE - 29C	Seckington Water	Gorvin	R29C041
TORRIDGE - 29D	West Okement River	prior to Meldon Reservoir	R29D225
TORRIDGE - 29D	West Okement River	d/s Meldon Dam	R29D027
TORRIDGE - 29D	West Okement River	100m d/s Red-A-Ven	R29D109

VERSION 1a (preceeded by 2 draft versions)

JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
SS 4791 1974	071	2908	RD	90	91	92	93	SS 4780 1976	100m d/s Rothern Bridge	
SS 4737 2092		2940	R		91	92		SS 4731 2089	100m u/s Beam Bridge	
SS 4776 1922		2936	R		91	92		SS 4774 1919	30m u/s br Servis Farm	**
SS 5222 1714	143	2909	R	90		92		SS 5219 1714	25m d/s B3220 road br	* ** Note CZ
SS 4931 1989		2910	R	90		92		SS 4940 1982	10m u/s Tantons Plain	* ** Note DA
SS 5023 1326		2911	R	90		92		SS 5017 1325	50m u/s Coleford Bridge	
SS 5265 1129		2912	R	90		92		SS 5238 1130	300m u/s A386 br 50m u/s pylon	
SS 5498 1287		2913	R	90		92		SS 5480 1285	150m u/s fm br Greatwood	
SS 5336 0841		2941	R		91	92		SS 5336 0841	25m u/s track br Wooladon Moor	**
SS 5257 1108		2914	R	90		92		SS 5257 1105	20m u/s Burymoor Bridge	**
		2942	RC		91	92		SS 5531 1154	25m d/s track br u/s Torridge	
SS 3251 1776		2915	R	90		92		SS 3246 1777	30m u/s rd br Fordmill Farm	
SS 3639 1592		2944	R		91	92		SS 3638 1613	225m u/s br 30m d/s quarry Put	**
SS 3987 1253	069	2916	RD	90	91	92	93	SS 3978 1268	200m u/s Woodford Bridge	
SS 4222 0942		2945	R		91	92		SS 4220 0941	20m u/s br Gidcott	**
SS 4696 0608		2917	R	90		92		SS 4610 0632	50m d/s Coham Br u/s Kingsley	
SS 487 057		2946	RC		91	92		SS 4865 0574	50m d/s bridge Sheepwash	* Note DB
SS 5064 0699		2918	R	90		92		SS 5060 0698	50m d/s Rockhay Bridge	
SS 5401 0632		2919	R	90		92		SS 5385 0613	250m u/s Hele Bridge	
SS 3495 1776		2920	R	90		92		SS 3492 1787	150m u/s Dipple Bridge	
SS 3415 2053		2935	RFu		91	92	93	SS 3407 2005	d/s rubbish and earth tip	* Note DC
SS 3413 2134			Fd			92	93	SS 3411 2132	Cranford Water	** Note C
SS 3184 1408		2947	R		91	92		SS 3182 1412	50m u/s br Berridon Cottage	
SS 3468 1096		2921	R	90		92		SS 3465 1100	200m u/s Sutcombe Bridge	
SS 3684 1041		2948	R		91	92		SS 3682 1042	10m u/s Waldon Bridge	
SS 3922 0986		2949	R		91	92		SS 3910 0988	200m u/s br Berry Farm	
SS 4151 0804	072	2922	R	90		92		SS 4137 0812	250m u/s Henscott Bridge	
SS 4887 0003		2923	R	90		92		SS 4885 0005	50m u/s Hole Stock Bridge	
SS 5078 0064		2950	R		91	92		SS 5090 0070	Bloomaford 3rd field from rd	**
SS 5140 0079		2951	R		91	92		SS 5140 0079	15m u/s br Great Rutleigh	
SS 5406 0416	144	2924	RD	90	91	92	93	SS 5398 0400	200m u/s Hatherleigh Bridge	
SS 5313 0525		2952	R		91	92		SS 5318 0515	130m u/s Lewer Bridge	
SS 5268 0432		2953	R		91	92		SS 5258 0415	30m u/s hedge Furzehill	
SS 5481 0133		2954	R		91	92		SS 5481 0131	10m u/s br Waterhouse	
SS 5307 0072		2955	R		91	92		SS 5310 0070	15m u/s br Narracott	
SS 4882 0168		2956	R		91	92		SS 4890 0168	75m d/s Wagaford Bridge	
SX 5075 9910		2957	R		91	92		SX 5075 9910	North Lew 55m u/s br	Note DD
SX 5045 9700		2958	RC		91	92		SX 5044 9700	30m u/s ford Coombe	** Note A DE
SS 4122 0801		2959	R		91	92		SS 4118 0795	125m u/s br Bason Cross	**
SS 4777 0645		2960	R		91	92		SS 4786 0654	125m u/s br Westover	**
SS 4389 0638		2961	R		91	92		SS 4385 0638	40m u/s br Dipper Mill	*
SS 3021 1893		2962	R		91	92		SS 3020 1896	15m u/s br Biteford	*
SS 2980 2001		2963	R		91	92		SS 2977 2006	75m u/s br Gorvin	
SX 5552 9058		2973	R			92		SX 5550 9055	Vellake 20m u/s stone br	* ** Note B
SX 5643 9184		2969	R		91	92		SX 5641 9190	100m u/s Red-a-Ven d/s Meldon	**
SX 564 921		2970	R		91	92		SX 5640 9205	30m u/s footbr d/s Red-a-Ven	* **

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
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 Dornaford	R29D004	SS 5995 0013		2926	R	90		92		SS 5999 0002	South Dornaford	
TORRIDGE - 29D	Okement	Jacobstowe	R29D008	SS 5925 0172		2965	R		91	92		SS 5920 0169	15m u/s A3072 br Jacobstowe	
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 OF
TORRIDGE - 29D	Jacobstowe 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 Fatherford Rail	R29D031	SX 6046 9461		2968	R		91	92		SX 6048 9460	200m u/s Fatherford rail br	* **
TORRIDGE - 29D	Hole Brook	Monkokehampton	R29D007	SS 5829 0559		2933	R	90		92		SS 5836 0545	50m u/s Monkokehampton	*
TORRIDGE - 29D	Meldon Stream	bridge d/s of Meldon Quarry	R29D029	SX 5665 9305								no accessible site for invertebrate sampling		* **
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	Bradiford Water	Blakewell	R30A001	SS 5663 3583	146	3003	R	90		92		SS 5503 3427	25m d/s Bradiford 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					3038	RC		91	92		SS 4488 3925	4m u/s footbr u/s Brookfield H	
TAW - 30A	Forda	Crowborough	XXXX R30A032	SS 4681 3975			Fu		91	92	93	SS 4684 3967	u/s discharge, Kennel Lane	** Note C DG
TAW - 30A	Forda	Forda	XXXX R30A031	SS 4571 3914			Fd		91	92	93	SS 4678 3968	d/s Crowborough Farm	** Note C DG
TAW - 30A	Forda	Croyde	R30A028	SS 4443 3918		3039	R		91	92		SS 4443 3918	15m u/s rd br Croyde	Note DG
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 DH
TAW - 30B	Taw	Kingford	R30B004	SS 6239 1925		3043	R		91	92		SS 6253 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	
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	Langridgeford	R30B016	SS 5715 2237		3045	R		91	92		SS 5717 2235	15m u/s B3227 rd br Langridgef	**
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	Yeo Farm	R30C003	SS 6513 0286		3048	R		91	92		SS 6511 0292	50m u/s br Yeo Farm	

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH SITE	URN	NGR (chem)	SITE CODE 1980	SITE CODE 1990	USE	YEAR 90	YEAR 91	YEAR 92	YEAR 93	BIOLOGICAL SITE NGR (bio)	BIOLOGICAL SITE	NOTES
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	Spires 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 - 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	prior to confluence with R Yeo	R30D003	SS 7358 0745	151	3018	R	90		92		SS 7502 0877	125m u/s Calves Bridge	
TAW - 30D	Knighty Brook	A377	R30D013	SS 7373 0658		3055	R		91	92		SS 7385 0647	400m u/s Yeo confl	Note DI
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	R		91	92		SS 7199 1307	30m u/s Stone Mill Bridge	**
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 fenc	** Note DJ
TAW - 30F	Mole	prior to River Yeo	R30F003	SS 7310 2432		3075	R			92		SS 7308 2436	40m u/s footbr Little Hele	** Note DJ
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 Meethe 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 Odham Bridge	
TAW - 30F	Little Silver Stream	Alswear	R30F011	SS 7236 2208		3025	R	90		92		SS 7232 2204	100m u/s Alswear rd br	
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 Alswear	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)	Veraby	R30F024	SS 7664 2632		3063	R		91	92		SS 7663 2634	20m d/s rd br Mornacott Moors	
TAW - 30F	Yeo (Molland)	Grilstone	R30F009	SS 7316 2435	173	3028	R	90		92		SS 7403 2535	25m u/s Bish Mill Bridge	
TAW - 30F	North Radworthy Strea	Barham Bridge	R30F033	SS 7465 3363		3029	R	90		92		SS 7463 3355	25m d/s Barham Bridge	**
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	Meethe Barton	R30G004	SS 6755 2299	156	3031	R	90		92		SS 6757 2303	50m u/s Meethe 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 DK
TAW - 30G	Nadrid Water	Clapworthy	R30G013	SS 6761 2406		3069	R		91	92		SS 6765 2408	150m u/s rd br Clapworthy	

Table 3.2 cont. The routine biological monitoring programme

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CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	1980	SITE CODE: 1990	USE	YEAR: 90	91	92	93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
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	Chelfham Stream					3070	RC		91	92		SS 6089 3565	10m d/s br Chelfham Mill Schoo	
TAW - 30H	Hakeford Stream					3071	RC		91	92		SS 6133 3551	50m u/s rd br	
TAW - 30H	Rye Stream	Bratton Flemming	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	Sterridge	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 DL DM
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 footbrid	* **
LYN - 32A	East Lyn (Oare Water)					3205	RC	90			93	SS 8030 4743	150m u/s Oare Bridge	
LYN - 32A	Farley Water	Watersmeet	R32A004	SS 7435 4858		3207	R	90			93	SS 7412 4785	100m d/s Hillsford Bridge	
LYN - 32A	Hoaroak					3208	RC		91		93	SS 7402 4772	15m u/s bridge	
LYN - 32A	Badgworthy Water	Malmsmead Bridge	R32A005	SS 7918 4770		3204	R	90			93	SS 7930 4728	200m d/s Badgworthy House	* Note DN

ADDITIONAL NOTES

Note A	—	Deleted from the chemical monitoring programme at the end of 1990.
Note B	—	Site added to chemical monitoring programme at beginning of 1992. Added to the biological programme in 1992/1993.
Note C	—	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 D	—	Sample used by IFE in 1990 for NCC research; invertebrates were identified to species by IFE.
Note E	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 F	AXE - 2B	Axe at Axe Bridge: the biological sites at Munford Dairy and Axe Bridge are on the same chemically monitored reach.
Note G	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 H	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 I	AXE - 2C	Mill Brook = Tilworth Stream on register of water quality objectives.
Note J	AXE - 2C	Hewood Stream: as Henwood Stream in Asset Management Plan register of quality objectives, and on catchment map.
Note K	OTTER - 4B	Tale at Danes mill: site 0410 replaced by 0426 in routine monitoring programme from 1992 as site 0410 is regularly dredged.
Note L	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.

Table 3.2 cont. The routine biological monitoring programme

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CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980	1990	USE	YEAR: 90 91 92 93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
Note M	OTTER - 4B	Colaton Raleigh Stream at Popham: as Pophayes in 1990 chemical programme.									
Note N	OTTER - 4B	Fairoak at Upottery: NGR in 1990 chemical programme (ST 2226 1038) was wrong.									
Note O	EXE - 5A	Dawlish Water at Dawlish: site made inaccessible by dredging from Autumn 1990. Replaced by site 05105 from 1991.									
Note P	EXE - 5C	Culm at Columjohn: there were difficulties locating this biological site in 1990. It should have been re-sampled in 1991 but was not. The precise location of the 1980 site 031 is not known.									
Note Q	EXE - 5C	Madford at Dunkerswell Abbey: the chemical monitoring site is u/s from the Bolham confluence.									
Note R	EXE - 5C & 5E	Grand Western Canal: as Tiverton Canal (as part of Great Western Canal) in chemical and biological programmes prior to 1992.									
Note S	EXE - 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 T	EXE - 5E	New Bridge in Tiverton is also known as Kennedy Bridge.									
Note U	EXE - 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 V	EXE - 5K	Yeo [Creedy]: near Hittsleigh the Yeo is known as Hittesleigh Stream to distinguish it from the Lappford Yeo (catchment 30D). As Hittsleigh Stream in the routine chemical monitoring programme prior to 1992									
Note W	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 X	TEIGN - 6B	Liverton Brook: as Ventiford Brook in chemical monitoring programme prior to 1990, and in biological programme prior to 1991.									
Note Y	TEIGN - 6C	Teign at Whetcombe: repaces chemical site at Crocombe (R06C006) from 1992. Replace biological site 0633 by 0647 if necessary in 1992/93.									
Note Z	TEIGN - 6C	Teign at Crocombe: this chemical site replaced by site at Whetcombe from 1992. Repalce biological site 0633 by 0647 if necessary in 1992/93.									
Note AA	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 AB	TEIGN - 6C	Scotley Brook and Crockernwell Stream: may both be the same watercourse, check in 1992/93. The chemical site R06C057 and biologicl site 0643 are on different watercourses. If it is necessary to set-up a new biological site to complement R06C057 to monitor Scotley Brook, delete 0640 from the routine monitoring programme; also determine the watercourse name for site 0643, and delete it from the routine monitoring programme.									
Note AC	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 AD	GARA - 8A	Gara at Torcross: Slapton Ley discharges to an underground culvert and thence direcly onto the beach; there are no suitable places from which to take a biological sample.									
Note AE	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 AF	GARA - 8A	Slapton Stream at Deer Bridge: as Deepbridge on header file.									
NOTE AG	GARA - 8A	Small Brook: as Fallapit in chemical programme prior to 1991 and in biological programme prior to 1992.									
Note AH	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 AI	PLYM - 11A	Torry Brook at Coleland Bridge: site destroyed by quarrying in Summer 1991. Replace by new site 118 in 1992/1993 if possible.									
Note AJ	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 tribuatry entering near "The Kings Arms" from 1991									
Note AK	TAVY - 12C	Lumburn at Shillamill: the NGR for this site was reported erroneously in the 1980 National Survey as SX 467 718									
Note AL	TAVY - 12C	Moortown Brook may possibly be a synonym, or incorporate Mount Tavy Stream and Pennycomequick Stream (check hydro map) As Moretown Stream in biological programme prior to 1992.									
Note AM	TAVY - 12D	Walkham at Bedford Bridge: as Magpie Bridge in chemical monitoring programme (from 1990).									
Note AN	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 AO	TAMAR - 12F	Lew prior to confluence with R. Lyd: in 1980 National Survey sampled a short distance upstream at Lee (SX 447 837).									
Note AP	TAMAR - 12G	Thrushel at Wrixhill Bridge: biological site 1297 was destroyed by road construction, 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 AQ	TAMAR - 12G	Henard 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 AR	TAMAR - 12L	Derril Water at Dux Bridge: deleted from routine biological programme 1991 as no difference between biological sites 1251 and 1252.									
Note AS	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 AT	TAMAR - 12M	Canworthy Water prior to River Ottery: Canworthy Water as Can Water on catchment map, previously as Tuckingmill Stream on Header File;									

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980 1990	USE	YEAR: 90 91 92 93	BIOLOGICAL SITE: NGR (bio)	SITE	NOTES
		both Canworthy Water and Tuckingmill Stream are listed in the Register of Water Qualtiy Objectives.								
Note AU	LYNHER - 12Q	Lynher at Notter Bridge: only sample d/s bridge if suitable, if better, go u/s.								
Note AV	LHYNER - 12Q	Kelly Brook: as Haye Valley Stream in biological programme prior to 1992.								
Note AW	LHYNER - 12R	Trecorme Stream: as Hay Lake on OS maps (1:50 000 & 1:25 000).								
Note AX	SEATON - 13A	Seaton at Hendra Bridge: not whole river - leat.								
Note AY	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 AZ	LOOE - 14C	Connon Stream d/s con w cl tr Connon Bridge: as d/s confluence with clean tributary Connon Bridge in 1980 National Survey (Biology).								
Note BA	LOOE - 14C	Connon Stream u/s waste disposal site: chemical site erroneously described as d/s tip site prior to 1992. Replace biological site 1408 in 1992/1993 if this is d/s tip, but check whether 1980 biological site 066 (SX 190 625) is u/s or d/s.								
Note BB	LOOE - 14C	Connon Stream: as Trevillis Stream in 1980 National Survey (Biology), also known as Connon Bridge Stream.								
Note BC	FOWEY - 15A	Pont Pill: as Pont in chemical monitoring programme prior to 1990, and in biological programme prior to 1992.								
Note BD	FOWEY - 15A	Trebant Water as Penpoll in chemicel monitoring programme prior to 1990, and in biological programme prior to 1992.								
Note BE	FOWEY - 15A	Lerryn at Lerryn: replaced chemical (R15A001) and biological (1503) monitoring sites at Couch's Mill, which is tidal, from 1991.								
Note BF	FOWEY - 15A	Bedellva Stream: as Lerryn in 1990 chemical monitoring programme, site name: 'Boconnoc Bedellva Stream', corrected in 1992 programme								
Note BG	FOWEY - 15B	Northwood Brook: as Trenant Stream in register of water quality objectives.								
Note BH	PAR - 16A	Rosevean Stream: as Rescorla Brook in 1990 chemical and biological programmes.								
Note BI	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.								
Note BJ	PAR - 16A	Carbis Stream d/s Wheal Prosper mica dam: site description in chemical and biological programmes prior to 1992 was u/s mica dam.								
Note BK	HELFORD - 19A	Porth Navas Stream at Trenarth Bridge: as Roskilling Bridge (spelling error of Roskellan Bridge) in 1990/1991 chemical monitoring programmes. As Roskellan Bridge in chemical programme from 1992.								
Note BL	HELFORD - 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 BM	HELFORD - 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 BN	HELFORD - 19A	St Keverne Stream: as Porthoustock Stream in register of water quality objectives.								
Note BO	COASTAL - 19C	Pothallow at Porthallow: although the chemical monitoring site was slightly saline it was decided not to relocate it.								
Note BP	COASTAL - 19A	Cury Stream = Poldhu River. As Poldhu River in biological programme prior to 1992.								
Note BQ	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 BR	FAL - 19C	Penkevil Stream at Parson's Hill Wood: this site erroneously called Lamorran Stream at Lamorran Wood in 1990 chemical programme.								
Note BS	FAL - 19C	Penkevil Stream: also spelt Pankevel (by Ordnance Survey).								
Note BT	FAL - 19C	Gwindra at Coombe: this site was sampled in 1991, instead of Coombe Stream at Coombe, in error.								
Note BU	FAL - 19C	Coombe Stream at Coombe: Not sampled in 1990 or 1991 (in error).								
Note BV	FAL - 19D	Boscolla at Boscolla Ford: erroneously monitoried chemically on a tributary (Shortlandsend Stream) prior to 1992. In 1992/1993 replace biological site 1973 by a new site (1983) if necessary.								
Note BW	FAL - 19E	Hick's Mill Stream: as Hickmill on header file.								
Note BX	FAL - 19E	St Day Stream: as Tod/St Day Stream in chemical and biological programmes prior to 1992.								
Note BY	COASTAL - 21A	Marazion River: also known as Red River.								
Note BZ	COASTAL - 21A	Carn Euny Stream: as Leha Stream in chemical programme prior to 1991 and in biological programme prior to 1992.								
Note CA	COASTAL - 22A	Tregeseal Stream: site and stream spelt as Tregaseal in feature file header and chemical monitoring programme (Version 6, 220290).								
Note CB	RED - 23A	Red u/s Brea Tin Works: as 'point above Brea Tin Works' in the chemical monitoring programme (from 1990).								
Note CD	RED - 23A	Red u/s South Crofty Mine: as 'point above South Crofty Mine' in chemical monitoring programme (from 1990).								
Note CE	RED - 23A	Red at Gwithian Towans: chemical site on landward side of the road.								
Note CF	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 downstrteam from the site.								
Note CG	COASTAL - 23A	Porth Joke Stream: the routine chemical monitoring site was moved d/s from Trevowah (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.)								

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980 1990 USE	YEAR: 90 91 92 93	BIOLOGICAL SITE: NGR (bio)	BIOLOGICAL SITE: SITE	NOTES
Note CH	COASTAL - 23A	Porth Joke Stream: as Crantock Stream on header file. Prior to 1991 erroneously listed in catchment 24A.							
Note CI	COASTAL - 23A	Porth Joke Stream at Trevowah: this site numbered 2401 prior to November 1991; as 2401 in 1990 National Survey.							
Note CJ	COASTAL - 23A	Porth Joke Stream prior to beach: this site numbered 2409 prior to November 1991.							
Note CK	COASTAL - 23A	Porthtowan Stream at Banns Vale (Mount Hawke), stream here known as Mount Hawke trib. in chemical and biological programmes prior to 1992.							
Note CL	GANNEL - 24A	Newlyn East Stream at Roseclistón: the location of the chemical site was changed from SW 817 588 in 1990.							
Note CM	COASTAL - 25A	Harlyn Water: as Harlyn Bay Stream in chemical monitoring programme (from 1990) and Asset Management Programme.							
Note CN	COASTAL - 25A	Issey Brook at Mellingey 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 CO	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 CP	CAMEL - 25D	Allen at Sladesbridge: tidal but freshwater.							
Note CQ	COASTAL - 26A	Crackington at Crackington Haven Bridge East - don't confuse with R26A002 (same 8 fig NGR). Crackington stream flows West-East.							
Note CR	COASTAL - 26A	Crackington Stream: as Ington Stream (erroneously) on feature file header. as CRACKINGTON/KINGTOn Stream in 1990 chemical monitoring programme.							
Note CS	COASTAL - 26A	Pengold Stream at Crackington Haven Bridge West: don't confuse with R26A001 (same 8 fig NGR). Pengold Stream flows South-North.							
Note CT	COASTAL - 26A	Pengold Stream as Ld Stream (erroneously) on feature file header.							
Note CU	COASTAL - 26A	Pengold Stream at Crackington Haven Bridge West: this site was not included in the routine chemical monitoring programme in 1990, 1991, 1992.							
Note CV	COASTAL - 27A	Tidna: as Tinda on register of water quality objectives.							
Note CW	STRAT/NEET - 27A	South Week Stream: as Kitsham Stream in register of water quality objectives.							
Note CX	TORRIDGE - 29A	Yeo at Foxdown: NGR for chemical site prior to 1990 (SS 382 234) was erroneous.							
Note CY	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 CZ	TORRIDGE - 29B	Wooleigh Brook: as Beaford in 1980 National Survey; as Beaford/Wooleigh in biological programme prior to 1992.							
Note DA	TORRIDGE - 29B	Common Lake: also known as Darracott Stream and Common Lake Stream. As Darracott/Common Lake in chemical programme.							
Note DB	TORRIDGE - 29C	Torridge at Sheepwash: chemical site used to calibrate continuous monitors. To be added to routine chemical programme, probably in 1993. Until then, treat as USE 'C'.							
Note DC	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 DD	TORRIDGE - 29C	North Law at North Law: NGR in routine chemical monitoring programme 1991 was SX 506 991.							
Note DE	TORRIDGE - 29C	Stoney Stream: as trib. North Law Stream in chemical and biological programmes prior to 1992.							
Note DF	TORRIDGE - 29D	Beckamoor Brook at Trevis Bridge: stream dammed by farmer in Autumn 1990. Re-sampled in 1991.							
Note DG	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 DH	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 DI	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 DJ	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 DK	TAW - 30G	Holewater Stream at Linkleyham Bridge: NGR in 1990 routine biological programme for chemical site R30G005 was SS 6961 3235.							
Note DL	LYN - 32A	Barbrook at Dean: this site is on Barbrook, not on the West Lyn as recorded in the 1980 National Survey.							
Note DM	LYN - 32A	Barbrook: also known as Dean Stream.							
Note DN	LYN - 32A	Badgworthy Water at Malmsmead: as Badgeworthy Water at Malmhead in chemical programme and Malhead in feature header file, as Malmstead in chemical and biological programmes prior to 1992.							

SITES DELETED FROM PROGRAMME IN 1991

The 1990 Chemical monitoring programme included many investigation sites which had erroneously been incorporated into the routine programme.

OTTER - 4B	Wick	Barn Farm		R04B036	ST 1705 0526		DELETED FROM PROGRAMME 1991
OTTER - 4B	Wolf	Godford		R04B037	ST 1302 0206		DELETED FROM PROGRAMME 1991
EXE - 5B	Cranny Brook	Yellands		R05B008	SY 0590 9788		DELETED FROM PROGRAMME 1991
EXE - 5C	Culm	Strawbridges Farm		R05C001	ST 1962 1593		DELETED FROM PROGRAMME 1991
EXE - 5J	Creedy	Venn Bridge	XXXX	R05J014	SS 839 024		DELETED FROM PROGRAMME 1991

Table 3.2 cont. The routine biological monitoring programme
ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93)

CATCHMENT	WATERCOURSE	.....CHEMICAL SITE DEFINING REACH..... SITE	URN
TEIGN - 6B	Ugbrooke	Gappah	R06B011
TEIGN - 6B	Sandygate Stream	Combe Holdridge	R06B009
TEIGN - 6B	Sandygate Stream	prior to Colley Brook	R06B008
TEIGN - 6C	Rookery Brook	Poole	R06C012
DART - 7B	Mardle	Combe	R07B013
DART - 7B	Dart	Queen of the Dart	R07B006
GARA - 8A	The Gara	Collaton	R08A001
YEALM - 10B	Silverbridge Lake	Gorlofen	R10B016
YEALM - 10B	Silverbridge Lake	Chokeford	R10B019
YEALM - 10B	Silverbridge Lake	Sparkwell	R10B020
TAVY - 12B	Milton Brook	u/s Milton Coombe	R12B002
TAVY - 12C	Tavy	Shillamill u/s River Lumburn	R12C004
TAVY - 12C	Lumburn	A390 Road Bridge	R12C018
TAVY - 12C	Lumburn	Mill Hill	R12C020
TAMAR - 12H	Carey	Towerhill Bridge	R12H003
LHYNER - 12R	Tiddy	Trehunsey Bridge	R12R005
SEATON - 13A	Seaton	Trebrownbridge	R13A007
FOWEY - 15B	Fowey	Bodmin Road Bridge	R15B005
FOWEY - 15B	St Neot	Trevenna	R15B007
FOWEY - 15B	Cardinham Water	Callywith	R15B023
FOWEY - 15B	Cardinham Water	Milltown	R15B017
ST AUSTELL - 18A	Polgooth Stream	St Margarets	R18A013
FAL - 19A	Mylor Creek	u/s Mylor STW	R19A036
HELFORD - 19A	Lestraines River	Eathorne bridge	R19A026
FAL - 19C	Fal	Trethosa Bridge	R19C013
COASTAL - 21A	Lamorna Stream	Hotel Lamorna	R21A016
COASTAL - 21A	Lamorna Stream	Trewoofe	R21A025
COASTAL - 21A	Lariggan	West Lodge	R21A024
COASTAL - 21A	Chyandour Brook	Heamoor	R21A023
COASTAL - 21A	Marazion	Cucurrian Mill	R21A001
COASTAL - 21A	Porthleven Stream	Methleigh	R21A012
COASTAL - 21A	Porthleven Stream	A 394 road bridge	R21A009
COASTAL - 22A	Penberth Stream	Treen	R22A011
COASTAL - 22A	Penberth Stream	Bottoms	R22A010
COASTAL - 22A	Tregeseal Stream	Bostraze	R22A012
COASTAL - 22A	Tregeseal Stream	Tregeseal Bridge	R22A006
MENALHYL - 25A	Menalhyl	The Retreat	R25A012
CAMEL - 25B	Ruthern	Ruthern Bridge	R25B039
CAMEL - 25D	Allen	Dinham's Bridge	R25D032
TORRIDGE - 29C	North Lew Stream	Wigdon Mill	R29C028
TORRIDGE - 29C	North Lew Stream	Kennal Bridge	R29C027

CHEMICAL RIVER MONITORING SITES REPLACED BY NEW CHEMICAL SITES IN 1991

TAVY - 12B	Tamerton Foliot Strea	Tamerton Foliot	R12B004
TAMAR - 12E	Portontown Stream	Grenoven Wood	R12E015
HELFORD - 19A	Gweek River	Gweek	R19A004
HELFORD - 19A	Rosevear River	Rosevear	R19A006
COASTAL - 23A	Porth Joke Stream	Trevowah	R23A013

VERSION 1a — JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992
(preceeded by 2 draft versions) (minor revision but not update 12 June 1992)

NGR (chem)	1980	1990	USE	90	91	92	93	NGR (bio)	SITE	NOTES
SX 8662 7740									DELETED FROM PROGRAMME 1991	
SX 8732 7580									DELETED FROM PROGRAMME 1991	
SX 8917 7665									DELETED FROM PROGRAMME 1991	
SX 8173 8610									DELETED FROM PROGRAMME 1991	
SX 7030 6810									DELETED FROM PROGRAMME 1991	
SX 7342 6900									DELETED FROM PROGRAMME 1991	
SX 7964 5274									DELETED FROM PROGRAMME 1991	
SX 5680 5267									DELETED FROM PROGRAMME 1991	
SX 5701 5352									DELETED FROM PROGRAMME 1991	* **
SX 5797 5665									DELETED FROM PROGRAMME 1991	
SX 4888 6597									DELETED FROM PROGRAMME 1991	
SX 4675 7183									DELETED FROM PROGRAMME 1991	
SX 4596 7307									DELETED FROM PROGRAMME 1991	
SX 4544 7420									DELETED FROM PROGRAMME 1991	
SX 3683 9056									DELETED FROM PROGRAMME 1991	
SX 2966 6502									DELETED FROM PROGRAMME 1991	
SX 2995 5965									DELETED FROM PROGRAMME 1991	
SX 1118 6438									DELETED FROM PROGRAMME 1991	
SX 1830 6865									DELETED FROM PROGRAMME 1991	
SX 1006 6630									DELETED FROM PROGRAMME 1991	
SX 1163 6819									DELETED FROM PROGRAMME 1991	
SW 9975 5078									DELETED FROM PROGRAMME 1991	
SW 7884 3651									DELETED FROM PROGRAMME 1991	
SW 7418 3120									DELETED FROM PROGRAMME 1991	
SW 9340 5362									DELETED FROM PROGRAMME 1991	
SW 4468 2458									DELETED FROM PROGRAMME 1991	
SW 4415 2540									DELETED FROM PROGRAMME 1991	
SW 4468 3085									DELETED FROM PROGRAMME 1991	
SW 4615 3158									DELETED FROM PROGRAMME 1991	
SW 5033 3494									DELETED FROM PROGRAMME 1991	* Note BA
SW 6271 2667									DELETED FROM PROGRAMME 1991	
SW 6275 2769									DELETED FROM PROGRAMME 1991	
SW 3961 2929									DELETED FROM PROGRAMME 1991	
SW 3857 2423									DELETED FROM PROGRAMME 1991	
SW 3887 3190									DELETED FROM PROGRAMME 1991	Note AP
SW 3731 3180									DELETED FROM PROGRAMME 1991	Note AP
SW 9180 6396									DELETED FROM PROGRAMME 1991	
SW 0129 6682									DELETED FROM PROGRAMME 1991	
SX 0317 7393									DELETED FROM PROGRAMME 1991	**
SX 5059 9692									DELETED FROM PROGRAMME 1991	
SX 5094 9765									DELETED FROM PROGRAMME 1991	

SX 4118 6093	by	R12B005	SX 4687 6090	Tamerton Foliot d/s trib.
SX 4138 7439	by	R12E034	SX 3989 7549	prior to R Tamar
SW 7063 2675	by	R19A042	SW 7061 2685	Danetto Bridge
SW 6970 2451	by	R19A043	SW 7033 2555	Ponson Tual Ford
SW 790 596	by	R23A016	SW 7736 6028	prior to beach

Table 3.2 cont. The routine biological monitoring programme

ROUTINE BIOLOGICAL MONITORING OF RIVER QUALITY 1992 (incl 1990, 91, 93) VERSION 1a (preceeded by 2 draft versions) JAD MURRAY-BLIGH BIOMON1991.W20 25 March 1992 (minor revision but not update 12 June 1992)

CATCHMENT	WATERCOURSE	CHEMICAL SITE DEFINING REACH: SITE	URN	NGR (chem)	SITE CODE: 1980	1990	USE	YEAR: 90 91 92 93	BIOLOGICAL SITE: NGR (bio)	BIOLOGICAL SITE: SITE	NOTES
COASTAL - 25A	Issey Brook	Mellingey u/s trib	R25A019	SW 9206 7181	by	R25A024			SW 9206 7181	Mellingey d/s trib	
CHEMICAL MONITORING SITES REPLACED BY NEW CHEMICAL SITES IN 1992											
TEIGN - 6C	Teign	Crocombe Bridge	R06C006	SX 8485 8115	by	R06C076			SX 8449 8161	Whetcombe Bridge	
GARA - 8A	Gara	Slapton Ley	R08A011	SX 8230 4335	by	R08A018			SX 8251 4391	Slapton Ley 1	
					& by	R08A019			SX 8238 4336	Slapton Ley 2	
					& by	R08A020			SX 8215 4272	Slapton Ley 3	
TAMAR - 12G	Wolf		R12G011		by	R12G007			SX 4250 9390	prior to Roadford Lake	
FAL - 19C	Lamorran Stream	Lamorran Wood	R19C019	SW 8709 4185	by	R19B004			SW 8709 4185	Penkevil Stream at Parson's Hill Wood	
FAL - 19D	Shortlandsend Stream	Roseworthy	R19D015	SW 8000 4708	by	R19D023			SW 8015 4629	Boscolla Stream at Boscolla Ford	
CHEMICAL MONITORING SITES DELETED FROM THE ROUTINE PROGRAMME IN 1992 AND NOT REPLACED BY NEW CHEMICAL SITES											
EXE - 5C	Culm	Footbridge u/s Silverton Mill	R05C010	SS 9767 0107	Not sampled biologically						

DIFFERENCES IN WATERCOURSE NAMES USED IN THE BIOLOGICAL PROGRAMME AND THOSE USED BY B MILFORD LISTED IN 'RIVER QUALITY CLASSIFICATION 1985 - 1990'

	Ashburn Yeo	BLM uses	Ashburn	
COASTAL - 27A	Coombevalley Stream	BLM uses	Coombe Valley Stream	
	Forda	BLM uses	Croyde	
TAMAR - 12L	Derrill	BLM uses	Derril	(Derril incorrect spelling)
	Heron's Bank brook	BLM uses	Heronsbank Brook	
TAW - 30G	Holewater Stream	BLM uses	Holewater (Holland)	
TAW - 30D	Knightly Brook	BLM uses	Ash Brook	Ash Brook, Knatholme Brook and Pepper Lake flow into Knightly Brook

END

4 EXPLANATION OF SCHEDULE

Definition of columns

CATCHMENT	=	NRA South West Region catchment code
WATERCOURSE	=	Name of the watercourse on which the site is located.

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.

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
E	=	discharge monitoring site, for biological monitoring; requiring identification to family; to be sampled twice each year
F	=	Discharge or other monitoring site, for biological monitoring; requiting identification to species; to be sampled once each year
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

NOTES

*	=	one or more changes to entry between last printed version of schedule (31 January 1991) and interim draft version 21 November 1991 (excepting the addition of biological site names and NGRs of sites sampled for the first time in 1991)
**	=	one or more changes to entry since last interim draft version of schedule, 21 November 1991 (excepting amendments to WATERCOURSE names)

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