



NRA

National Rivers Authority

South West Region

ENVIRONMENTAL PROTECTION

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MEAN ANNUAL ALKALINITY AND CONDUCTIVITY AT ROUTINE BIOLOGICAL MONITORING SITES IN 1991 FOR USE WITH RIVPACS

July 1992

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Environmental Protection Water Quality Technical Note FWS/92/012

SUMMARY

This document contains mean annual alkalinity or conductivity measured during 1991 at all river reaches included in the routine biological monitoring programme. This information is required when making predictions of the fauna using RIVPACS. Alkalinity data is provided for all chemical monitoring sites representing river reaches monitored biologically. Conductivity data is provided for all biological monitoring sites surveyed in 1991 that were on reaches that were not monitored by the routine chemical monitoring programme, and for which no alkalinity data was available.

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CONTRIBUTORS

Alkalinity data on Table 2.1 was compiled by A Gurney, Technical Assistant (Freshwater Science).

Conductivity data on Table 2.2 was compiled by R Dallen, Technical Assistant (Agency).

1. INTRODUCTION

1.1 General

This document contains mean alkalinity or conductivity measured in 1991, for river reaches included in the routine biological monitoring programme. The mean values listed here were used in the determination of the NRA Biological Classification of Ecological Quality for 1991. It is intended that a similar document to this will be produced annually.

Predictions of the invertebrate fauna that a site should support under pristine environmental conditions, using the River Invertebrate Prediction and Classification System model (RIVPACS) is more precise if information on alkalinity or conductivity is available, in addition to information on other physical attributes. Water hardness or calcium concentration can also be used by RIVPACS as a substitute for alkalinity instead of conductivity. Alkalinity is an important component of the natural environmental variations between different sites, and under natural conditions, it is determined by the geology of river catchments. It is hoped that in future versions of RIVPACS, alkalinity will be derived within the RIVPACS computer programme from the Ordnance Survey Grid Reference. Alkalinity is preferred to conductivity or the other substitute determinands as it is a direct measure of excess base and buffering capacity of the water.

In this document, mean alkalinity is provided for all routine chemical monitoring sites representing river reaches that are monitored biologically. These means were derived solely from data collected for routine monitoring, and not from data collected from the same sites for other purposes such as pollution or special investigations.

Conductivity data is provided where alkalinity is not available. Data is given for all biological monitoring sites surveyed in 1991, on reaches that were not included in the routine chemical monitoring programme in 1991. Conductivity was recorded by NRA biologists whilst collecting biological samples, using a simple conductivity meter.

If RIVPACS predictions are to be made for single seasons, or combinations of two seasons, either the annual means given in this document could be used, or means calculated over a longer period. The environmental data entered into RIVPACS should be representative of the "normal" conditions. Data relating to conditions in only part of a year should not be used: RIVPACS requires data covering conditions in the whole year even when single or paired season predictions are to be made.

1.2 Entering conductivity data into RIVPACS in place of alkalinity

As a reminder, when entering environmental data into RIVPACS manually, and conductivity (or hardness or chloride) is being used as a surrogate for alkalinity, enter '-9' in the data input form for alkalinity. This will bring-up the alternative data input form, from which the surrogate data can

be entered.

1.3 Computer data files and data retrieval algorithms

Alkalinity data was retrieved from the Water Quality Archive held on the South West Water Services ICL computer. It was imported into a DataEase 4 database, and a procedure was written to produce the report containing mean values (Table 2.1). DataEase rounds values of 0.5 down; this may cause slight differences with averages calculated by another method. See A Gurney for details of the algorithms. This table has been stored on floppy disk in fixed ASCII format (filename SW91ALK.TXT) and as a delimited ASCII file (delimiter = #; filename SW91ALK.DTX).

Conductivity data was obtained from field biologists and has been entered onto a spreadsheet in 20/20, filename: [JMURRAYBLIGH.W20]CONDUCTIVITY_1991 .

2 DATA TABLES

2.1 Alkalinity

Mean annual alkalinity is given on table 2.1. Values are listed for all routine biological river monitoring sites listed in Routine biological monitoring of river quality programme schedule - 1992, Environmental Protection Technical Report FWS/92/007

Definition of columns in Table 2.1

NATIONAL BIOLOGICAL
REFERENCE NUMBER =

Identifying code for the biological monitoring site. NR06 identifies the Region; the following two digits are the South West Region's catchment codes (catchment 45 = continuation of catchment 05; catchment 52 = continuation of catchment 12); the last two digits identify the site.

CHEMICAL USER
REFERENCE NUMBER =

Identifying code for the chemical monitoring site. The first pair of digits is the catchment identifier code, the letter following these is the sub-catchment code. The precise location of the chemical site, from which the alkalinity data was determined, is given in the Routine Biological Monitoring of River Quality Programme Schedule (FWS/92/007).

WATERCOURSE
SITE =

Watercourse name
Site description

NATIONAL GRID
REFERENCE =

Ordnance Survey National Grid Reference of the biological site.

Table 2.1 Mean alkalinities during 1991 at all routine biological
 monitoring sites

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "ROUTINE BIOLOGICAL MONITORING OF RIVER WATER QUALITY 1992", VERSION 1, 25/03/92

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.0101	R01A002	Lim	25m u/s br Mill Green	SY 3400 9253	125.7
NRA06.0102		Harcombe Stream	5m u/s br prior to STW	SY 3330 9333	
NRA06.0201	R02A001	Branscombe Stream	25m u/s pylons Branscombe Mouth	SY 2068 8820	195.2
NRA06.0244	R02A001	Branscombe Stream	Branscombe Mouth opposite STW	SY 2056 8830	195.2
NRA06.0230	R02B001	Axe	300m u/s Whitford Bridge	SY 2645 9555	133.5
NRA06.0202	R02B002	Axe	100m d/s footbr Nunford Dairy	SY 2611 9463	140.4
NRA06.0203	R02B002	Axe	50m u/s Axe Bridge	SY 2593 9265	140.4
NRA06.0231		Bulmoor Stream	100m u/s Whitford Bridge	SY 2633 9533	
NRA06.0205	R02B007	Umbourne Brook	25m u/s Triffords Farm br	SY 2232 9946	83.9
NRA06.0204	R02B008	Umbourne Brook	75m u/s Coly confluence	SY 2485 9430	84.7
NRA06.0206	R02B009	Offwell Brook	100m d/s Offwell footbridge	SY 1930 9874	24.3
NRA06.0207	R02B010	Offwell Brook	25m u/s br Road Pitt Farm	SY 2148 9534	127.6
NRA06.0208	R02B003	Coly	20m u/s Woodbridge	SY 1885 9533	99.4
NRA06.0209	R02B004	Coly	75m u/s Brinkley Bridge	SY 2125 9514	
NRA06.0210	R02B005	Coly	150m u/s ford (10m u/s footbr) Heathayne	SY 2342 9437	89.2
NRA06.0211	R02B006	Coly	60m u/s bridge Colyford	SY 2535 9268	88.8
NRA06.0232	R02C001	Axe	20m d/s A3066 br Mosterton	ST 4568 0525	201.8
NRA06.0212	R02C002	Axe	30m d/s Seaborough Bridge	ST 4295 0570	181.9
NRA06.0245	R02C003	Axe	25m u/s br Clapton	ST 4181 0627	181.8
NRA06.0213	R02C003	Axe	Oathill Farm Weycroft	ST 4035 0603	181.8
NRA06.0233	R02C004	Axe	60m u/s Forde Bridge	ST 3626 0534	168.3
NRA06.0214	R02C005	Axe	25m u/s br Broom	ST 3263 0248	166.3
NRA06.0215	R02C006	Axe	75m u/s A358 br Weycroft	ST 3075 0002	150.8
NRA06.0234	R02C007	Axe	125m u/s Bow Bridge	SY 2902 9833	151.5
NRA06.0235		Old Park Brook	50m u/s Axe confl	SY 2909 9798	
NRA06.0236		Mill Brook	20m u/s Axe confl	SY 2965 9921	
NRA06.0237		Chapplecroft Brook	60m u/s Axe confl	ST 3045 0000	
NRA06.0238		Smallridge Stream	25m u/s rail br prior to Axe	ST 3088 0037	
NRA06.0239		Stammery Stream	50m u/s Axe confl	ST 3202 0100	
NRA06.0240		Hewood Stream	40m u/s Axe confl	ST 3462 0498	
NRA06.0216	R02C017	Clapton Stream	50m u/s rd br u/s Clapton	ST 4162 0718	215.7
NRA06.0217	R02C009	Drimpton Stream	20m u/s Netherhay Ford	ST 4165 0542	167.1
NRA06.0218	R02C014	Synderford	20m u/s footbridge Beere Farm	ST 3776 0573	121.9
NRA06.0219	R02C015	Whatley Stream	30m d/s railway bridge Ammerham	ST 3648 0556	218.3

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "ROUTINE BIOLOGICAL MONITORING OF RIVER WATER QUALITY 1992", VERSION 1, 25/03/92

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.0220	R02C030	Forton Brook	50m u/s 83162 rd br	ST 3403 0709	163.2
NRA06.0221	R02C011	Forton Brook	100m d/s Tatworth STW	ST 3375 0463	180.8
NRA06.0222	R02C008	Blackwater River	50m u/s br Buddlewall	ST 3301 0217	60.2
NRA06.0241	R02C012	Kit Brook	10m u/s br Narfords	ST 2958 0628	85.7
NRA06.0223	R02C013	Kit Brook	25m u/s road bridge Axe Farm	ST 3194 0167	133.2
NRA06.0242	R02C018	Temple Brook	20m u/s Oathill br	ST 4072 0587	127.8
NRA06.0224	R02C016	Whetley Stream	25m u/s road bridge Potewll Farm	ST 4469 0493	158.2
NRA06.0225	R02D003	Yarty	100m u/s Newhaven Bridge	ST 2587 1103	76.5
NRA06.0243	R02D004	Yarty	15 u/s Longbridge	ST 2552 0551	97.0
NRA06.0227	R02D005	Yarty	100m u/s Beckford br	ST 2650 0158	106.1
NRA06.0226	R02D006	Yarty	100m u/s A35 br Gammons Hill	SY 2813 9812	102.1
NRA06.0228	R02D001	Corry Brook	40m u/s rd br Rose Farm	ST 2421 0244	42.9
NRA06.0229	R02D002	Corry Brook	100m u/s rd br Old Corryton	SY 2684 9908	63.3
NRA06.0303	R03A001	Sid	75m u/s Stoney br Sidbury	SY 1402 9168	103.3
NRA06.0301	R03A002	Sid	20m u/s A3052 br Sidford	SY 1375 8995	116.1
NRA06.0302	R03A003	Sid	25m u/s footbr Sidmouth 300m u/s chem	SY 1280 8812	125.6
NRA06.0304	R03A013	Roncombe Stream	15m u/s br Cotford	SY 1425 9222	98.8
NRA06.0401	R04B001	Otter	50m u/s br Hoemore Farm	ST 2212 1040	57.4
NRA06.0412	R04B042	Otter	45m u/s footbr Rawridge	ST 1983 0627	60.4
NRA06.0402	R04B035	Otter	200m u/s Ford Bridge	ST 1850 0310	71.1
NRA06.0413	R04B002	Otter	70m u/s Clapperlane br	ST 1638 0123	79.7
NRA06.0403	R04B003	Otter	50m d/s bridge Weston	ST 1422 0006	95.3
NRA06.0414	R04B019	Otter	150m u/s br Fenny Bridges	ST 1145 9870	93.1
NRA06.0404	R04B004	Otter	50m u/s br Ottery St Mary	SY 0937 9607	97.0
NRA06.0405	R04B005	Otter	200m u/s br Tipton St John	SY 0895 9196	121.4
NRA06.0415	R04B006	Otter	50m u/s footbr Dotton Mill	SY 0873 8853	107.7
NRA06.0406	R04B007	Otter	25m d/s Otterton br	SY 0790 8524	114.7
NRA06.0407	R04B010	Wick Stream	100m u/s fm br Mill House Nursery	ST 1685 0293	84.7
NRA06.0408	R04B023	Gissage	20m Otter confluence	ST 1528 0117	92.3
NRA06.0409	R04B011	Wolf	30m u/s rd br Winniford	ST 1432 0060	117.6
NRA06.0426	R04B008	Tale	Danes Mill 25m u/s garden gate	ST 0758 0340	82.0
NRA06.0410	R04B008	Tale	50m u/s bridge Danes Mill	ST 0755 0335	82.0
NRA06.0411	R04B009	Tale	25m d/s br Taleford	SY 0895 9689	84.7
NRA06.0416	R04B020	Fairoak Stream	30m u/s br Upottery	ST 1994 0778	

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NRA06.0417	R04B021	Odle Brook	10m u/s track Spurtham Farm	ST 1925 0640	
NRA06.0418	R04B022	Combe Raleigh Stream	50m u/s farm Ford Longwood	ST 1630 0175	
NRA06.0419	R04B024	Gittisham Stream	10m d/s top of field d/s Pomeroy	SY 1343 9913	
NRA06.0420	R04B025	Vine Water	25m d/s Feniton signpost Feniton	SY 1108 9914	
NRA06.0421	R04B026	West Hill Stream	25m u/s br Salston Barton	SY 0883 9455	
NRA06.0422	R04B027	Fluxton Stream	40m u/s br Fluxton	SY 0863 9283	
NRA06.0423	R04B028	Metcombe Stream	20m u/s br Metcombe	SY 0797 9197	
NRA06.0424	R04B032	Colaton Raleigh Stm	15m u/s br Pophams	SY 0718 8767	
NRA06.0425	R04B034	Budletgh Brook	20m u/s br Yettington	SY 0527 8570	
NRA06.0500	R05A026	Northbrook	150m u/s rd br Northbrook Park	SX 9403 9080	201.3
NRA06.0501	R05A006	Exeter Canal	30m u/s A38 br Countess Wear	SX 9395 8940	62.2
NRA06.0502	R05A001	Kenn	A38br Kennford 50m u/s footbr Brenton Fm	SX 9117 8663	120.4
NRA06.0503	R05A002	Kenn	20m u/s A379 br u/s Kenton	SX 9527 8463	90.3
NRA06.0565	R05A003	Alphin Brook	10m u/s Dymond's Bridge	SX 8671 9288	117.8
NRA06.0504	R05A004	Alphin Brook	30m d/s footbr Alphington u/s A379 rd br	SX 9130 9040	129.1
NRA06.0505	R05A005	Alphin Brook	150m u/s Countess Wear Br	SX 9387 8948	136.8
NRA06.0566	R05A029	Polly Brook	200m d/s A376 br Exton	SX 9836 8627	175.4
NRA06.0507	R05A027	Dawlish Water	20m d/s footbridge car park Dawlish	SX 9565 7673	118.7
NRA06.4505	R05A027	Dawlish Water	30m u/s footbr Brook House	SX 9548 7679	118.7
NRA06.0506	R05A028	Grindle Brook	40m d/s weir Winslade Park	SX 9770 9019	174.2
NRA06.0508	R05B001	Clyst	30m u/s bridge Clyst Hydon	ST 0363 0158	168.2
NRA06.0567	R05B002	Clyst	15m u/s br Clyst St Lawrence	ST 0273 0005	174.5
NRA06.0509	R05B003	Clyst	50m u/s rd br Ashclyst Farm	SY 0115 9830	173.5
NRA06.0510	R05B004	Clyst	20m u/s A38 br Broadclyst	SX 9843 9760	169.1
NRA06.0511	R05B005	Clyst	100m u/s Withy Bridge	SX 9748 9580	163.5
NRA06.0512	R05B006	Clyst	150m u/s rd br Clyst Honiton	SX 9860 9357	158.8
NRA06.0568	R05B007	Clyst	50m u/s field br Clyst St Mary	SX 9728 9165	152.5
NRA06.0569	R05B013	Aylesbeare Stream	175m u/s br Dymonds Farm	SX 9883 9260	196.0
NRA06.0513	R05B009	Cranny Brook	50m u/s field br Barnshayes	SY 0382 9710	180.2
NRA06.0514	R05B010	Cranny Brook	75m u/s bridge Crannaforde Crossing	SY 0135 9600	176.8
NRA06.0515	R05B011	Cranny Brook	100m u/s rd br Wishford Farm	SX 9919 9527	163.8
NRA06.0570	R05B012	Pin Brook	15m u/s br Mosshayne	SX 9812 9435	198.1
NRA06.0571	R05B014	Ford Stream	20m u/s A30 br	SY 0091 9526	166.3
NRA06.0516	R05C002	Culm	50m u/s br Rosemary Lane	ST 1605 1408	39.4

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.0572	R05C003	Culm	20m u/s br Hemyock	ST 1388 1391	45.7
NRA06.0517	R05C004	Culm	100m d/s rd br Culmstock	ST 1000 1375	54.1
NRA06.0573	R05C005	Culm	10m u/s footbr Uffculme	ST 0713 1279	66.7
NRA06.0518	R05C006	Culm	90m d/s Skinner's Farm br	ST 0418 1014	71.0
NRA06.0519	R05C007	Culm	225m u/s Higher Upton br	ST 0270 0677	120.9
NRA06.0574	R05C008	Culm	25m u/s br Westcott	ST 0135 0427	104.8
NRA06.0575	R05C009	Culm	25m d/s weir u/s mill	SS 9800 0102	107.8
NRA06.0577	R05C011	Culm	350m d/s br d/s Silverton Mill	SS 9745 0138	112.8
NRA06.0520	R05C012	Culm	75m d/s Columbjohn br	SX 9575 9970	114.1
NRA06.0521	R05C013	Culm	250m d/s Stoke Canon Bridge	SX 9363 9745	114.5
NRA06.0522	R05C015	Spratford Stream	30m u/s Leonard Moor Bridge	ST 0449 1410	173.9
NRA06.0523	R05C016	Spratford Stream	50m u/s B3391 br Tiverton Junction	ST 0320 1160	168.9
NRA06.0524	R05C017	Spratford Stream	50m d/s Five Bridges	ST 0265 0953	177.1
NRA06.0525	R05C014	Sheldon Stream	20m u/s Shute Farm Bridge	ST 1239 0901	62.5
NRA06.0526	R05C019	Madford Stream	25m u/s Culm Bridge Hemyock	ST 1435 1352	42.7
NRA06.0527	R05C028	Madford Stream	Dunkeswell Abbey 30m u/s river split	ST 1442 1015	30.7
NRA06.0578	R05C041	Madford Stream	prior to Dunkeswell confl under pylons	ST 1522 0836	21.7
NRA06.0579	R05C042	Dunkeswell Stream	prior to Madford confl	ST 1490 0827	23.8
NRA06.0528	R05C018	Bolham River	100m u/s Five Bridges	ST 1506 1247	45.7
NRA06.0529	R05C021	Grand Western Canal	30m u/s Fenacre Bridge	ST 0708 1770	239.2
NRA06.0580	R05C026	Weaver	40m u/s B3181 br	ST 0137 0392	137.0
NRA06.0581	R05C027	Heron's Bank Brook	10m u/s br Heron's Bank	ST 0242 0885	81.9
NRA06.0539	R05D015	Exe	25m u/s footbridge Bickleigh Castle	SS 9368 0690	36.9
NRA06.0530	R05D001	Exe	100m d/s br Thorverton	SS 9353 0155	35.9
NRA06.0582	R05D002	Exe	90m u/s Stafford Bridge	SX 9223 9621	61.1
NRA06.0531	R05D003	Exe	50m u/s Exwick Br	SX 9103 9360	63.4
NRA06.0532	R05D004	Exe	Flood Relief by fish pass Trews Weir	SX 9242 9163	60.9
NRA06.0533	R05D006	Dart [Exe]	50m u/s A373 br Bradley	SS 8958 1250	38.8
NRA06.0534	R05D007	Dart [Exe]	75m u/s Dart Bridge Bickleigh	SS 9354 0766	53.9
NRA06.0583	R05D008	Burn	50m u/s footbr Burn Mill Farm	SS 9467 0557	70.5
NRA06.0584	R05D009	Thorverton Stream	25m u/s br opp Thorverton Church	SS 9251 0220	95.4
NRA06.0535	R05E001	Exe	150m u/s Exebridge	SS 9310 2448	20.0
NRA06.0585	R05E002	Exe	150m u/s Halfpenny Bridge	SS 9510 2045	22.5
NRA06.0536	R05E003	Exe	250m d/s Bolham Intake Lythecourt	SS 9475 1513	28.2

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.0537	ROSE004	Exe	300m u/s Tiverton New Bridge Kennedy	SS 9484 1330	29.6
NRA06.0586	ROSE005	Exe	175m d/s to of field Collipriest	SS 9520 1170	38.6
NRA06.0538	ROSE006	Exe	150m d/s STW Ashley	SS 9528 1003	34.7
NRA06.0540	ROSE012	Brockey River	50m u/s Brocksbridge Cottage bridge	SS 9238 2455	59.6
NRA06.0541	ROSE013	Grand Western Canal	The Basin Tiverton	SS 9630 1238	92.5
NRA06.0542	ROSE008	Iron Mill Stream	40m d/s Iron Mill Bridge Stuckeridge	SS 9177 2082	30.1
NRA06.0587	ROSE009	Lowman	60m u/s wood Huntsham Wood	ST 0085 1836	93.3
NRA06.0543	ROSE010	Lowman	40m u/s Chieflowman Bridge	ST 0080 1567	103.3
NRA06.0544	ROSE011	Lowman	25m d/s A373 Bridge Tiverton	SS 9577 1256	106.2
NRA06.0588	ROSE020	Calverleigh Stream	100m u/s Swinesbridge	SS 9445 1397	78.9
NRA06.0589	ROSE021	Uplowman Stream	75m d/s gate to field Widhayes	SS 9990 1447	99.5
NRA06.0590	ROSF001	Bathern	5m u/s rd br Ranscombe	ST 0043 2678	26.8
NRA06.0545	ROSF002	Bathern	75m u/s Pheasant Fm A361 Br Shillingford	SS 9808 2378	70.0
NRA06.0546	ROSF003	Bathern	500m u/s rd br Bowbierhill under pylons	SS 9530 2126	78.9
NRA06.0591	ROSG001	Exe	10m u/s fm br Court Farm Exford	SS 8573 3806	25.0
NRA06.0547	ROSG002	Exe	75m d/s rope bridge Below Winsford	SS 9150 3387	27.0
NRA06.0592	ROSG003	Exe	25m u/s br Warmore	SS 9347 2601	27.2
NRA06.0548	ROSG004	Haddeo	20m u/s bridge Cuckolds Combe	ST 0014 3077	17.7
NRA06.0549	ROSG005	Haddeo	50m u/s bridge Pixycopse	SS 9377 2658	21.8
NRA06.0550	ROSG009	Pulham	25m u/s bridge prior to Haddeo	SS 9573 3000	19.7
NRA06.0593		Withiel Brook	50m u/s field br u/s Wimbleball	SS 9805 3266	
NRA06.0551	ROSG006	Quarme	50m d/s footbridge Witheridge Farm	SS 9202 3500	39.0
NRA06.0552	ROSH001	Barle	100m u/s Simonsbath Bridge	SS 7695 3915	14.2
NRA06.0553	ROSH002	Barle	150m u/s ford Tarr Steps	SS 8667 3223	12.2
NRA06.0554	ROSH003	Barle	100m d/s Pixton Hill	SS 9243 2631	14.8
NRA06.0555	ROSH004	Dane's Brook	30m u/s Hawkridge Bridge	SS 8575 3012	11.0
NRA06.0556	ROSH005	Sherdon Water	25m u/s bridge Ferny Ball	SS 8025 3540	9.8
NRA06.0557	RO5J001	Creedy	75m u/s Ashridge Bridge	SS 8182 0619	56.7
NRA06.0558	RO5J002	Creedy	75m d/s footbridge Lords Meadow	SS 8485 0070	90.1
NRA06.0594	RO5J003	Creedy	150m u/s field br Westacott Cottages	SX 8545 9997	101.1
NRA06.0595	RO5J013	Creedy	150m u/s br Newton St Cyres	SX 8798 9850	96.3
NRA06.0559	RO5J004	Creedy	100m d/s bridge Oakford Farm	SX 9010 9673	99.2
NRA06.0596	RO5J018	Jackmoor Brook	Langford 120m d/s footbr	SX 8983 9772	140.9
NRA06.0597	RO5J017	Shobrooke Lake	35m d/s black pipe Creedy Barton	SX 8670 9963	108.9

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.0560	R05J015	Holly Water	50m u/s Heath Bridge	SS 8445 0451	74.9
NRA06.0598	R05J021	Shuttern Brook	prior to Creedy Barton House	SX 8817 9817	68.2
NRA06.0599	R05J016	Binneford Water	100m u/s confl Ashridge Farm	SS 8198 0618	56.5
NRA06.0562	R05K003	Yeo [Creedy] (=Hittsleigh)	Binneford 100m u/s ford	SX 7596 9676	47.7
NRA06.0561	R05K004	Yeo [Creedy]	50m u/s rd br Gunstone Mills	SX 8051 9849	67.6
NRA06.0500	R05K005	Yeo [Creedy]	300m u/s br Downes Mill	SX 8525 9910	86.7
NRA06.4501	R05K008	Troney	40m u/s br Easterbrook	SX 7228 9703	34.1
NRA06.0563	R05K002	Troney	50m u/s Yeoford Bridge	SX 7830 9900	77.4
NRA06.4502		Horwell Stream	55m u/s br Colebrooke	SS 7715 0043	
NRA06.0564	R05K011	Culvery River	50m u/s bridge Uton	SX 8342 9855	77.2
NRA06.4503	R05K009	Cole Brook	75m u/s br Colebrooke	SX 7779 9960	103.1
NRA06.4504	R05K010	Ford Brook	10m u/s br Ford Farm	SX 7938 9769	56.4
NRA06.0601	R06A001	Aller Brook	u/s Edginswell Pumping Stn opp Rougemont Av	SX 8948 6630	224.4
NRA06.0623	R06A002	Aller Brook	5m d/s hedge bank Manor Drive playing fields	SX 8798 6740	216.4
NRA06.0602	R06A003	Aller Brook	30m d/s footbridge Aller Orchard	SX 8763 6883	218.2
NRA06.0624	R06A004	Aller Brook	15m u/s fence Plymco Superstore Penninn	SX 8708 7050	192.2
NRA06.0625		Compton Pool Stream	25m u/s rd br Langford Bridge	SX 8719 6908	
NRA06.0603	R06B001	Teign	300m u/s Teignbridge	SX 8573 7358	23.0
NRA06.0626	R06B012	Ugbrooke Stream	15m d/s discharge Higher Sandygate	SX 8660 7530	126.5
NRA06.0604	R06B013	Ugbrooke Stream	approx 55m u/s footbr prior to Teign confl	SX 8575 7397	100.3
NRA06.0627	R06B003	Lemon	10m u/s br Bagator Mill	SX 7696 7556	9.9
NRA06.0622	R06B004	Lemon	250m d/s Slg confl 30m d/s minor trib	SX 7805 7352	9.6
NRA06.0606	R06B005	Lemon	20m d/s footbr Bradley Park 200m u/s cp	SX 8508 7095	88.2
NRA06.0628	R06B006	Blatchford Stream	25m d/s rd br 10m u/s footbr Perry Farm	SX 8360 7289	110.4
NRA06.0629	R06B007	Blatchford Stream	25m d/s rd br Blatchford	SX 8560 7301	101.8
NRA06.0605	R06B050	Liverton Brook	75m u/s Ventiford Bridge	SX 8470 7475	59.0
NRA06.0630	R06B010	Sandygate Stream	15m u/s rd br New Cross Kingsteignton	SX 8685 7481	140.5
NRA06.0616	R06C002	North Teign	100m u/s Gidleigh Park Hotel Bridge	SX 6772 8783	5.8
NRA06.0607	R06C003	Teign	50m d/s Rushford Br u/s Chagford	SX 6940 8798	8.6
NRA06.0631	R06C004	Teign	30m d/s Clifford Bridge	SX 7812 8979	11.4
NRA06.0608	R06C005	Teign	50 m d/s rd br d/s Bridfordmills Wier	SX 8343 8720	15.0
NRA06.0632	R06C037	Teign	120m u/s Spara Bridge	SX 8425 8422	13.8
NRA06.0647	R06C076	Teign			
NRA06.0633	R06C006	Teign	225m u/s Crocombe Bridge opp Knowle House (RH)	SX 8470 8135	21.7

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NRA06.0609	R06C007	Teign	400m d/s Chudleigh Bridge	SX 8580 7814	17.5
NRA06.0634	R06C008	Teign	100m u/s New Bridge	SX 8480 7630	22.4
NRA06.0635	R06C055	Kate Brook	45m u/s rd br to Gappa	SX 8592 7852	131.3
NRA06.0636		Halton Stream	160m u/s footbr Hams Barton	SX 8796 8032	
NRA06.0610	R06C011	Bramble Brook	65m u/s Teign conf 15m u/s br	SX 8487 8116	88.6
NRA06.0611	R06C009	Beadon Brook	50m d/s bridge Tottiford House	SX 8075 8231	15.3
NRA06.0612	R06C010	Beadon Brook	10m u/s Hyner Bridge	SX 8368 8170	10.2
NRA06.0637	R06C040	Beadon Brook	40m d/s B3193 br prior to Teign	SX 8433 8169	18.4
NRA06.0638	R06C013	Rookery Brook	20m u/s footbr u/s barytes mine	SX 8255 8614	15.2
NRA06.0613	R06C014	Rookery Brook	30m d/s B3193 rd br prior to R Teign	SX 8376 8670	11.5
NRA06.0614	R06C015	Sowton Brook	150m u/s Sowton Bridge	SX 8343 8755	49.2
NRA06.0639	R06C054	Reedy Brook	10m d/s Reedy Bridge	SX 8199 8928	45.5
NRA06.0640		Crockernwell Stream	35m d/s rd br	SX 7617 9267	
NRA06.0615	R06C001	South Teign River	75m u/s Leigh Bridge	SX 6828 8760	7.5
NRA06.0641	R06C052	Blackaton Brook	70m u/s rd br	SX 6783 8901	14.2
NRA06.0642	R06C057	Scotley Brook	10m d/s br Clifford Bridge Park	SX 7811 8974	36.4
NRA06.0643	R06C053	Fingle Brook	115m u/s Fingle Bridge 30m u/s sign	SX 7433 9001	37.6
NRA06.0617	R06D001	Bovey	75m d/s Blackaller Bridge	SX 7380 8370	12.5
NRA06.0644	R06D002	Bovey	30m u/s Drakeford Bridge	SX 7891 8015	11.9
NRA06.0618	R06D003	Bovey	50m d/s road bridge Little Bovey	SX 8316 7671	16.5
NRA06.0619	R06D004	Bovey	u/s arm of meander Twinyeo Farm	SX 8427 7611	19.4
NRA06.0620	R06D008	Wray Brook	75m u/s bridge Caseley Court	SX 7855 8235	23.2
NRA06.0645	R06D011	Wray Brook	90m u/s bridge Knowle	SX 7885 8025	23.6
NRA06.0621	R06D012	Becka Brook	100m u/s Newbridge	SX 7573 8003	10.3
NRA06.0701	R07A001	Harbourne River	15m u/s road bridge Harbourneford	SX 7175 6235	39.6
NRA06.0724	R07A002	Harbourne River	25m u/s Leigh Bridge	SX 7710 5670	65.2
NRA06.0702	R07A003	Harbourne River	40m d/s road bridge Beenleigh	SX 7978 5660	76.7
NRA06.0703	R07A004	Wash	50m u/s weir Tuckenhay	SX 8171 5593	71.8
NRA06.0725	R07B011	Hems	20m d/s rd br Portbridge Cross	SX 7892 6599	101.6
NRA06.0704	R07B012	Hems	20m d/s bridge u/s Tally-ho	SX 8162 6378	179.0
NRA06.0705	R07B016	Am Brook	15m u/s Collacombe Bridge	SX 8105 6750	156.5
NRA06.0706	R07B017	Am Brook	100m u/s Fishacre Bridge	SX 8195 6452	206.8
NRA06.0707	R07B005	Dart	20m u/s New Bridge	SX 7113 7087	7.0
NRA06.0726	R07B007	Dart	30m u/s wood opp Blackmoor Farm	SX 7383 6807	7.4

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NRA06.0708	R07B008	Dart	10m d/s Dart Bridge Buckfastleigh	SX 7449 6670	15.1
NRA06.0709	R07B009	Dart	500m u/s Riverford Bridge	SX 7682 6398	18.2
NRA06.0710	R07B010	Dart	25m u/s Totnes Weir	SX 8000 6133	23.3
NRA06.0727	R07B018	Bidwell Brook	10m u/s rd br Tigley	SX 7572 6087	90.1
NRA06.0711	R07B019	Bidwell Brook	150m u/s Dartington Lodge	SX 7980 6152	133.1
NRA06.0733	R07B013	Mardle			
NRA06.0712	R07B014	Mardle	40m u/s rail br Buckfastleigh	SX 7462 6613	41.4
NRA06.0728	R07B052	Dean Burn	35m u/s B3380 bridge	SX 7324 6511	17.5
NRA06.0713	R07B050	Ashburn Yeo	30m u/s Dart Bridge	SX 7457 6685	90.8
NRA06.0714	R07B020	Holy Brook	40m u/s rd br Northwood Buckfast	SX 7400 6767	19.2
NRA06.0729		Ruddycleave Water	15m u/s bridge Ruddycleave Cottage	SX 7245 7308	
NRA06.0731	R07B036	East Webburn River	50m d/s Cockingford Bridge	SX 7165 7505	11.3
NRA06.0715	R07B015	Webburn	75m u/s Buckland Bridge	SX 7186 7200	10.3
NRA06.0730	R07B037	West Webburn River	20m u/s Ponsworthy Bridge	SX 7010 7390	9.1
NRA06.0732		Venford Brook	25m d/s railings d/s WTW	SX 6870 7139	
NRA06.0716	R07B001	East Dart River	30m u/s rd br Postbridge	SX 6477 7895	7.0
NRA06.0717	R07B002	East Dart River	75m u/s clapper bridge d/s Badgers Holt	SX 6720 7326	6.1
NRA06.0718	R07B051	Walla Brook	300m u/s Babney 40m d/s split	SX 6730 7545	6.7
NRA06.0719	R07B003	West Dart River	30m u/s road bridge Two Bridges	SX 6080 7505	6.2
NRA06.0720	R07B004	West Dart River	50m u/s Huccaby Bridge	SX 6590 7293	6.1
NRA06.0721	R07B021	Swincombe	100m d/s bridge prior to West Dart	SX 6466 7323	5.5
NRA06.0722	R07B032	Cherry Brook	50m u/s Lower Cherrybrook Bridge	SX 6311 7485	6.9
NRA06.0723	R07B049	Blackbrook	15m u/s bridge Tor Royal	SX 6015 7383	10.9
NRA06.0733	R07B057	Cowsic River	30m u/s br Beardown Farm	SX 6028 7529	5.3
NRA06.0814	R08A002	The Gara	15m u/s rd br Woodford	SX 7978 5097	53.4
NRA06.0801	R08A003	The Gara	200m u/s br 20m u/s split Forder	SX 8105 4906	
NRA06.0802	R08A004	The Gara	60m u/s br Higher North Mill	SX 8245 4764	61.6
NRA06.0803	R08A006	The Gara	15m u/s Slapton Bridge	SX 8282 4440	69.8
NRA06.0815	R08A018	The Gara			
NRA06.0823	R08A019	The Gara			
NRA06.0824	R08A020	The Gara			
NRA06.0804	R08A007	The Gara		unsuitable f	90.1
NRA06.0805	R08A012	Slapton Stream	Iron Bridge	SX 8205 4413	84.4
NRA06.0816		South Pool Stream	5m u/s crossing point South Pool	SX 7773 4025	

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NRA06.0817		Chillington Stream	15m d/s rd br Chillington	SX 7925 4265	
NRA06.0806	R08A013	Small Brook	100m u/s road bridge Bowcombe	SX 7511 4448	69.3
NRA06.0818		Churchstow Stream	25m u/s rd br Redford	SX 7228 4434	
NRA06.0807	R08A014	West Alvington Str	200m u/s bridge Ticket Wood	SX 7323 4364	
NRA06.0819	R08B007	Avon	30m u/s Shipley Bridge	SX 6809 6292	7.9
NRA06.0808	R08B001	Avon	50m u/s Lydia Bridge	SX 6953 6070	11.4
NRA06.0820	R08B008	Avon	5m u/s discharge 50m u/s A38 br	SX 6977 5923	16.2
NRA06.0809	R08B002	Avon	50m u/s bridge Horsebrook	SX 7122 5847	19.8
NRA06.0810	R08B003	Avon	150m d/s Gara Bridge	SX 7290 5332	30.6
NRA06.0821	R08B004	Avon	40m d/s br Loddiswell	SX 7268 4825	38.5
NRA06.0811	R08B005	Avon	150m u/s Hatch Bridge 500m d/s New Bridge	SX 7157 4722	37.0
NRA06.0812	R08B009	Glaze Brook	opposite mill Higher Turtley	SX 6963 5893	21.7
NRA06.0813	R08B011	Bala Brook	100m u/s bridge Zeal	SX 6781 6249	11.1
NRA06.0822	R08B015	Torr Brook	10m d/s rd br The Old Mill	SX 7335 4832	53.9
NRA06.0901	R09B001	Erme	120m u/s Stowford Weir	SX 6385 5713	6.7
NRA06.0905	R09B012	Erme	20m u/s A30 br u/s storm overflow	SX 6331 5578	9.3
NRA06.0906	R09B002	Erme	10m u/s br Cleeve	SX 6334 5525	16.7
NRA06.0902	R09B010	Erme	10m u/s bridge Lower Keaton	SX 6403 5449	19.3
NRA06.0907	R09B011	Erme	30m u/s Fawn's Bridge	SX 6409 5304	37.6
NRA06.0903	R09B003	Erme	500m u/s Sequer's Bridge	SX 6335 5225	37.0
NRA06.0904	R09B017	Lud Brook	50m u/s br to fish farm Fawn's Bridge	SX 6413 5308	77.0
NRA06.0908		Left Lake	10m u/s Erme confl u/s weir	SX 6402 6330	
NRA06.0909		Red Lake	20m u/s Erme confl	SX 6358 6612	
NRA06.1007	R10A001	Wembury Stream	Wembury	SX 5188 4880	124.4
NRA06.1008	R10B022	Yealm	Hele Cross	SX 6144 6090	5.3
NRA06.1001	R10B002	Yealm	Fardel Mill Farm Bridge	SX 6032 5761	9.8
NRA06.1009	R10B024	Yealm	u/s Fardel Moor Weir d/s lake	SX 6022 5700	11.2
NRA06.1010	R10B003	Yealm	Lee Mill Bridge	SX 6001 5580	17.2
NRA06.1011	R10B021	Yealm	Popple's Bridge	SX 5983 5434	26.9
NRA06.1002	R10B004	Yealm	Yealm Bridge	SX 5898 5194	39.6
NRA06.1012	R10B005	Yealm	Puslinch Bridge	SX 5706 5099	53.4
NRA06.1003	R10B018	Silverbridge Lake	Brixton	SX 5620 5204	130.3
NRA06.1004	R10B007	Piall	Quick Bridge	SX 5897 6082	10.6
NRA06.1005	R10B008	Piall	Mark's Bridge	SX 5998 5770	14.6

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NRA06.1013		Ford Brook	Dendles Green	SX 6137 6180	
NRA06.1014		Broadall Lake	Dendles Wood Bridge	SX 6138 6184	
NRA06.1006	R10B006	Cholwichtown	prior to river Piall	SX 5921 6087	7.2
NRA06.1016	R10B014	Long Brook	Yealmbridge	SX 5941 5213	124.6
NRA06.1017	R10B015	Newton Stream	Bridgend	SX 5559 4821	108.3
NRA06.1101	R11A001	Tory Brook	Tolchmoor Bridge	SX 5792 6192	6.2
NRA06.1107	R11A002	Tory Brook	Coleland Bridge	SX 5660 6088	9.2
NRA06.1118	R11A002	Tory Brook			9.2
NRA06.1108	R11A003	Tory Brook	Portworthy Bridge	SX 5558 6016	9.7
NRA06.1102	R11A004	Tory Brook	Station Road Plympton	SX 5431 5692	27.3
NRA06.1109	R11A005	Tory Brook	Marsh Mills Bridge	SX 5281 5658	28.4
NRA06.1117	R11A020	Smallhanger Brook			
NRA06.1110	R11B001	Plym	u/s Blackabrook	SX 5647 6445	4.4
NRA06.1111	R11B002	Plym	d/s Blackabrook	SX 5639 6448	4.1
NRA06.1103	R11B003	Plym	Cadover Bridge	SX 5550 6462	4.4
NRA06.1112	R11B004	Plym	Shaugh Bridge (Wooden)	SX 5336 6369	4.0
NRA06.1113	R11B018	Plym	Bickleigh	SX 5270 6181	8.5
NRA06.1104	R11B006	Plym	Plym Bridge	SX 5196 5860	11.5
NRA06.1114	R11B008	Meavy	Weir u/s Burrator Reservoir	SX 5675 6927	4.5
NRA06.1105	R11B009	Meavy	d/s Burrator Reservoir	SX 5515 6790	5.3
NRA06.1115	R11B010	Meavy	Gratton Ford Bridge	SX 5297 6705	8.5
NRA06.1106	R11B011	Meavy	Hoo Meavy	SX 5265 6563	10.8
NRA06.1116	R11B007	Blackabrook	confluence with River Plym	SX 5648 6441	4.6
NRA06.1201	R12B004	Tamerton Foliot Stream	Tamerton Foliot	SX 4722 6093	50.0
NRA06.1279	R12B005	Tamerton Foliot Stream	Tamerton Foliot (d/s trib)	SX 4687 6090	63.8
NRA06.1202	R12B001	Milton Brook	point d/s Milton Coombe	SX 4829 6479	36.5
NRA06.1203	R12C001	Tavy	Hill Bridge	SX 5329 8049	6.6
NRA06.1280	R12C002	Tavy	Harford Bridge	SX 5056 7678	7.7
NRA06.1281	R12C015	Tavy	Kelly School	SX 4913 7498	12.1
NRA06.1204	R12C003	Tavy	West Bridge	SX 4774 7383	17.2
NRA06.1282	R12C005	Tavy	Washford	SX 4699 7106	26.2
NRA06.1205	R12C006	Tavy	Denham Bridge	SX 4769 6800	18.3
NRA06.1283	R12C007	Tavy	mid Lopwell Dam	SX 4773 6513	19.2
NRA06.1284	R12C009	Lumburn	Rushford Bridge	SX 4495 7633	39.8

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NRA06.1206	R12C010	Lumburn	Shillamill (prior to R. Tavy)	SX 4668 7191	44.8
NRA06.1207	R12C021	Moortown Brook	Mt House School	SX 4930 7460	
NRA06.1208	R12C011	Wallabrook	prior to River Tavy	SX 4921 7548	26.5
NRA06.1209	R12C008	Burn	prior to River Tavy	SX 4980 7618	22.9
NRA06.1210	R12C022	Colly Brook	Peter Tavy	SX 5146 7765	
NRA06.1211	R12C019	Cholwell Brook	Brook Tavy	SX 5081 7861	10.8
NRA06.1285		Amicombe Brook	22m u/s confluence Dartmoor	SX 5717 8337	
NRA06.1212	R12D001	Walkham	Merrivale Bridge	SX 5510 7512	5.0
NRA06.1286	R12D002	Walkham	Ward Bridge	SX 5422 7202	5.2
NRA06.1287	R12D003	Walkham	Bedford Bridge	SX 5044 7035	9.6
NRA06.1213	R12D004	Walkham	Grenofen Bridge	SX 4890 7101	10.0
NRA06.1214	R12E001	Tamar	Greystone Bridge	SX 3683 8025	33.3
NRA06.1215	R12E002	Tamar	Horsebridge	SX 4001 7482	36.4
NRA06.1288	R12E003	Tamar	Gunnislake Bridge	SX 4332 7221	32.9
NRA06.1216	R12E015	Portontown Stream	Grenoven Wood	SX 4138 7441	21.7
NRA06.1289	R12E034	Portontown Stream	prior to River Tamar weir	SX 4143 7374	28.1
NRA06.1217	R12E028	Latchley Brook	Latchley	SX 4090 7368	13.1
NRA06.1218	R12E014	Damerel Stream	prior to River Tavy	SX 3988 7549	55.2
NRA06.1290	R12E005	Lowley Brook	Landlake Bridge	SX 3288 8237	46.2
NRA06.1291	R12E017	Lowley Brook	Landue Bridge	SX 3471 7970	49.8
NRA06.1219	R12E006	Lowley Brook	Lowleybridge	SX 3589 7878	50.0
NRA06.1292	R12E016	Luckett	Oldmill	SX 3697 7386	31.3
NRA06.1220	R12E007	Luckett	Luckett Bridge	SX 3882 7367	25.6
NRA06.1293	R12E004	Blanchdown Stream	prior to River Tamar	SX 4325 7290	7.4
NRA06.1221	R12F012	Lyd	A386 road bridge Lydford	SX 5211 8446	4.6
NRA06.1222	R12F001	Lyd	Greenlanes Bridge	SX 4443 8321	18.0
NRA06.1294	R12F011	Lyd	Sydenham Bridge	SX 4291 8388	26.8
NRA06.1223	R12F002	Lyd	Lifton Bridge	SX 3893 8477	29.9
NRA06.1295	R12F016	Lyd	prior to River Thrushel	SX 3922 8497	
NRA06.1224	R12F013	Quither Brook	prior to River Lyd	SX 4268 8393	31.3
NRA06.1296		Chillaton Stream	Chillaton Bridge	SX 4325 8184	
NRA06.1226	R12F003	Lew	Combebow Bridge	SX 4854 8799	30.0
NRA06.1225	R12F004	Lew	prior to River Lyd	SX 4268 8393	37.2
NRA06.1227	R12F010	Combebow Stream	access rd culvert nr quarry	SX 4883 8898	20.5

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE
NRA06.1228	R12G001	Thrushe1
NRA06.5243	R12G002	Thrushe1
NRA06.1297	R12G002	Thrushe1
NRA06.1229	R12G003	Thrushe1
NRA06.1230	R12G004	Thrushe1
NRA06.1231	R12G009	Bratton Brook
NRA06.1232	R12G010	Breazle Water
NRA06.1233	R12G005	Wolf
NRA06.1298	R12G084	Wolf
NRA06.1299	R12G006	Wolf
NRA06.1234	R12G007	Wolf
NRA06.5242	R12G096	Hennard Stream
NRA06.1235	R12G012	Broadwood Brook
NRA06.1200		Buddle Brook
NRA06.5201	R12H006	Carey
NRA06.1236	R12H001	Carey
NRA06.5202	R12H007	Carey
NRA06.5203	R12H008	Carey
NRA06.1237	R12H002	Carey
NRA06.1238	R12H005	Henford Water
NRA06.5204	R12J001	Tamar
NRA06.5205	R12J002	Tamar
NRA06.1239	R12J003	Tamar
NRA06.5206	R12J004	Tamar
NRA06.1240	R12J006	Tala Water
NRA06.1241	R12J005	Lana Lake
NRA06.5207	R12K016	Claw
NRA06.5208	R12K001	Claw
NRA06.1242	R12K002	Claw
NRA06.1243		Hollacombe Stream
NRA06.1244	R12K003	Deer
NRA06.1245	R12K004	Deer
NRA06.5209	R12K005	Deer
NRA06.1246	R12K007	Colesmill Stream

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SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
Rivermead Bridge	SX 4990 9127	28.9
u/s Wrixhill Bridge	SX 4673 8972	29.4
Wrixhill Bridge	SX 4654 8987	29.4
Stowford Bridge (Townleigh)	SX 4280 8738	38.1
Tinhay Bridge	SX 4171 8672	30.5
Bratton Clovelly	SX 4677 9202	26.1
prior to River Thrushel	SX 4480 8924	37.2
Week's Mill Bridge	SX 4464 9425	15.3
Roadford New Bridge	SX 4188 8979	
Rexon Bridge	SX 4141 8890	26.9
prior to River Thrushel	SX 4035 8638	28.2
		16.6
Kellacott Bridge	SX 4065 8800	33.1
Buddle Bridge	SX 4022 8989	
Halwill Bridge - Quoditch	SX 4207 9851	29.9
Ashmill Bridge	SX 3937 9537	31.0
Panson	SX 3715 9258	31.0
Boldford Bridge	SX 3645 8824	33.2
Heale Bridge	SX 3589 8617	34.9
Henford	SX 3736 9479	35.2
Boyton Bridge	SX 3288 9230	44.4
Druxton Bridge	SX 3443 8830	45.3
Netherbridge	SX 3497 8662	37.3
Polson Bridge	SX 3556 8492	36.3
Bridgetown	SX 3410 8913	43.9
Lana Bridge	SX 3412 9592	41.5
Claw Bridge	SS 3742 0068	41.3
Clawton Bridge	SX 3536 9933	41.7
Tetcott Bridge	SX 3279 9696	41.0
Hayne Farm	SS 3728 0255	
Rydon Bridge	SS 3354 0413	48.2
Winscott Bridge	SS 3385 0144	50.2
Deer Bridge	SX 3192 9734	49.8
100m d/s Holsworthy STW	SS 3387 0316	49.4

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "ROUTINE BIOLOGICAL MONITORING OF RIVER WATER QUALITY 1992", VERSION 1, 25/03/92

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.5210		Dunstaple Brook	u/s Coles Mill confluence	SS 3452 0352	
NRA06.5211	R12L001	Tamar	Buses Bridge	SS 2809 1345	26.1
NRA06.5212	R12L009	Tamar	d/s Lower Tamar Lake	SS 2955 1070	32.5
NRA06.1247	R12L006	Tamar	Dexbeer Bridge	SS 2957 0894	34.5
NRA06.5213	R12L016	Tamar	Moreton Mill	SS 2833 0850	
NRA06.1248	R12L002	Tamar	Tamarstone Bridge	SS 2832 0559	36.9
NRA06.5214	R12L015	Tamar	Bridgerule	SS 2748 0290	40.0
NRA06.5215	R12L003	Tamar	Crowford Bridge	SX 2872 9943	42.0
NRA06.1249	R12L004	Tamar	Tamerton Bridge	SX 3179 9739	42.6
NRA06.5216	R12L013	Tamar	d/s confluence with River Deer	SX 3190 9726	47.2
NRA06.5217	R12L010	Lamheral Water	Forda	SS 2774 1116	28.1
NRA06.1250	R12L007	Lamheral Water	Moreton Found Bridge	SS 2757 0894	35.5
NRA06.1251	R12L012	Derrill Water	Dux Bridge	SS 2957 0279	
NRA06.1252	R12L005	Derrill Water	Dualstone Bridge	SS 3013 0063	57.4
NRA06.1253	R12L011	Small Brook	Headon Bridge	SS 3101 0730	37.0
NRA06.1254	R12L008	Small Brook	Youldon Bridge	SS 2997 0530	43.3
NRA06.5218	R12M004	Ottery	Otterham Mill	SX 1742 9087	18.8
NRA06.5219	R12M005	Ottery	Trengune Bridge	SX 1885 9329	19.4
NRA06.1255	R12M001	Ottery	Canworthy Water Bridge	SX 2220 9170	21.7
NRA06.1256	R12M002	Ottery	Hellescott Bridge	SX 2844 8782	24.7
NRA06.5220	R12M006	Ottery	Yeolmbridge	SX 3178 8737	29.9
NRA06.1257	R12M007	Ottery	Ham Mill Bridge	SX 3456 8686	29.0
NRA06.1258	R12M012	Bolesbridge Water	200m d/s Navarino Bridge	SX 2895 8818	45.4
NRA06.5244	R12M012	Bolesbridge Water	Waterloo Farm		45.4
NRA06.5222	R12M010	Caudworthy Water	Caudworthy Bridge	SX 2469 9267	39.8
NRA06.1259	R12M011	Caudworthy Water	prior to River Ottery	SX 2672 8890	43.2
NRA06.5223	R12M008	Canworthy Water	prior to River Ottery	SX 2238 9144	23.2
NRA06.1260	R12N003	Kensley	Badgall Bridge	SX 2312 8696	15.9
NRA06.5224	R12N001	Kensley	Badharlick Bridge	SX 2675 8642	21.2
NRA06.1261	R12N004	Kensley	Truscott Bridge	SX 2984 8498	27.0
NRA06.5225	R12N005	Kensley	Newport	SX 3262 8512	28.8
NRA06.1262	R12N002	Kensley	St Leonards Bridge	SX 3523 8485	32.4
NRA06.5226	R12N006	Tregeare Stream	Red Down Bridge	SX 2672 8629	26.1
NRA06.5227	R12P001	Inny	u/s Davidstow Creamery	SX 1534 8704	62.6

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "ROUTINE BIOLOGICAL MONITORING OF RIVER WATER QUALITY 1992", VERSION 1.25/03/92

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.5228	R12P002	Inny	Trewinnow Bridge	SX 1704 8647	57.6
NRA06.1263	R12P003	Inny	St Clether Bridge	SX 2052 8419	50.4
NRA06.5229	R12P012	Inny	Gimblett's Mill	SX 2410 8342	47.6
NRA06.5230	R12P004	Inny	Two Bridges	SX 2700 8180	44.7
NRA06.5231	R12P005	Inny	Trekelland bridge	SX 3000 7989	35.3
NRA06.1264	R12P013	Inny	Trencarrel Bridge	SX 3217 7710	36.8
NRA06.5232	R12P006	Inny	Bealsmill Bridge	SX 3587 7704	36.1
NRA06.1265	R12P010	Penpont Water	Trelyn Bridge	SX 2000 8288	7.7
NRA06.5233	R12P007	Penpont Water	Altarnun Bridge	SX 2228 8125	12.1
NRA06.1266	R12P008	Penpont Water	Two Bridges	SX 2695 8165	19.2
NRA06.1267	R12Q001	Lynher	Trebartha Road Bridge	SX 2629 7782	15.3
NRA06.5234	R12Q002	Lynher	Berriowbridge	SX 2732 7565	9.9
NRA06.1268	R12Q003	Lynher	Starabridge	SX 2895 7385	13.0
NRA06.5235	R12Q004	Lynher	Bicton Mill Bridge	SX 3215 7007	16.6
NRA06.1269	R12Q005	Lynher	Newbridge	SX 3473 6809	18.0
NRA06.5236	R12Q025	Lynher	u/s Clapper Bridge	SX 3513 6527	18.8
NRA06.5237	R12Q006	Lynher	Pillaton	SX 3659 6318	21.2
NRA06.1270	R12Q007	Lynher	Notter Bridge	SX 3848 6099	22.1
NRA06.1271	R12Q010	Withey Brook	u/s Bastreet Intake	SX 2436 7636	5.5
NRA06.1272	R12Q008	Withey Brook	prior to River Lynher	SX 2610 7720	5.7
NRA06.5238		Rushyford Water	Trewortha Marsh	SX 2322 7603	
NRA06.1273	R12Q029	Dean's Brook	Bridge	SX 3824 6235	37.3
NRA06.5239	R12Q026	Kelly Stream	Haye	SX 3467 7008	19.6
NRA06.1274	R12Q009	Kelly Stream	Caddapit	SX 3400 6888	37.4
NRA06.1275	R12Q027	Marke Valley Stream	Upton Cross	SX 2862 7192	5.5
NRA06.5240	R12R001	Tiddy	u/s Pensilva STW	SX 2900 6890	17.0
NRA06.1276	R12R002	Tiddy	Butterdon Mill	SX 2952 6625	26.7
NRA06.5241	R12R003	Tiddy	Tilland Mill Bridge	SX 3285 6188	46.1
NRA06.1277	R12R004	Tiddy	Tideford Bridge	SX 3451 5964	53.1
NRA06.1278	R12R006	Trecorme Stream	Tilland Bridge	SX 3320 6200	52.0
NRA06.1304	R13A001	Seaton	Crow's Nest	SX 2640 6938	6.2
NRA06.1301	R13A002	Seaton	Hendra Bridge	SX 2650 6565	20.7
NRA06.1302	R13A006	Seaton	Roseland	SX 2754 6323	
NRA06.1305	R13A003	Seaton	Courtney's Mill Bridge	SX 2878 6164	41.4

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.1303	R13A004	Seaton	Hessenford	SX 3071 5740	47.7
NRA06.1306	R13A005	Seaton	Seaton Beach	SX 3033 5450	52.3
NRA06.1307	R13A008	Tremar Stream	Rosecraddoc	SX 2646 6758	17.1
NRA06.1308	R13A009	Menhenlot trib.	at factory	SX 2844 6207	61.3
NRA06.1401	R14A001	Polperro River	Polperro	SX 2073 5098	53.1
NRA06.1411	R14B005	East Looe River	Venton Veor Bidge	SX 2325 6574	29.5
NRA06.1412	R14B001	East Looe River	Looe Mills	SX 2328 6465	32.2
NRA06.1402	R14B002	East Looe River	Lamellion Mill	SX 2507 6109	45.2
NRA06.1413	R14B003	East Looe River	Trussel Bridge	SX 2455 6205	47.1
NRA06.1403	R14B006	East Looe River	Landlooe Bridge	SX 2499 5956	54.1
NRA06.1414	R14B004	East Looe River	Railway Halt Sandplace	SX 2480 5719	57.0
NRA06.1415	R14B007	Dobwalls Stream	Tuelmenna Bridge	SX 2329 6574	32.1
NRA06.1404	R14C010	West Looe River	Bosent Bridge	SX 2127 6353	58.4
NRA06.1405	R14C001	West Looe River	Scawn Mill Bridge	SX 2160 6216	41.8
NRA06.1406	R14C002	West Looe River	Churchbridge	SX 2189 5865	38.4
NRA06.1416	R14C003	West Looe River	Sowden's Bridge	SX 2300 5562	39.5
NRA06.1407	R14C011	Coldrinnick Stream	Tregarrick Mill Bridge	SX 2060 5711	29.5
NRA06.1418	R14C005	Connon Stream			17.5
NRA06.1408		Connon Stream	d/s tip site	SX 1909 6245	
NRA06.1409	R14C006	Connon Stream	Trevillis Wood	SX 1958 6185	28.2
NRA06.1417	R14C008	Connon Stream			34.6
NRA06.1410		Connon Tip Stream	Tip discharge	SX 1891 6241	
NRA06.1501	R15A003	Pont Pill	Trethake Mill - u/s Pont	SX 1561 5315	61.5
NRA06.1502	R15A002	Trebant Water	East Trencreek u/s Penpol	SX 1510 5551	54.2
NRA06.1503	R15A001	Lerryn River	Couch's Mill	SX 1485 5919	
NRA06.1510	R15A004	Lerryn River	Lerryn	SX 1432 5734	31.7
NRA06.1511	R15A007	Bedellva Stream	Boconnoc	SX 1550 6036	
NRA06.1512	R15B001	Fowey	Harrowbridge	SX 2066 7440	6.8
NRA06.1504	R15B024	Fowey	Lamelgate	SX 2230 7080	7.2
NRA06.1513	R15B002	Fowey	Draynes Bridge	SX 2281 6898	7.2
NRA06.1514	R15B003	Fowey	Treverbryn Bridge	SX 2065 6754	7.1
NRA06.1515	R15B004	Fowey	Bodithiel Bridge	SX 1766 6488	9.4
NRA06.1505	R15B025	Fowey	Respryn Bridge	SX 0998 6360	11.2
NRA06.1516	R15B006	Fowey	Restormel	SX 1076 6132	11.5

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE
NRA06.1506	R158021	Cardinham Water
NRA06.1507	R158009	Warleggan River
NRA06.1517	R158014	St Neot River
NRA06.1508	R158008	St Neot River
NRA06.1518	R158016	Northwood Brook
NRA06.1509	R158011	Northwood Brook
NRA06.1519	R158010	Siblyback Stream
NRA06.1606	R16A007	Par River
NRA06.1607	R16A001	Par River
NRA06.1608	R16A006	Par River
NRA06.1601	R16A002	Par River
NRA06.1609	R16A003	Par River
NRA06.1602	R16A004	Par River
NRA06.1610	R16A005	Par River
NRA06.1618	R16A027	Par River
NRA06.1611	R16A017	Tywardeath Stream
NRA06.1612	R16A014	Bokiddick Brook
NRA06.1603	R16A009	Bokiddick Brook
NRA06.1604	R16A012	Rosevean Stream
NRA06.1617	R16A029	Rescorla Brook
NRA06.1605	R16A013	Treverbryn Stream
NRA06.1619	R16A026	Carbis Stream
NRA06.1613	R16A018	Carbis Stream
NRA06.1614	R16A011	Carbis Stream
NRA06.1615	R16A016	Molinnis Stream
NRA06.1616	R16A008	Rosevath Stream
NRA06.1703	R17A002	Crinnis River
NRA06.1701	R17A003	Crinnis River
NRA06.1702	R17A004	Crinnis River
NRA06.1704	R17A007	Bodelva Brook
NRA06.1705	R17A001	Bodelva Brook
NRA06.1810	R18A003	St Austell River
NRA06.1801	R18A004	St Austell River
NRA06.1811	R18A006	St Austell River

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SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
Glynnmill	SX 1110 6444	15.4
Panthers Bridge	SX 1583 6810	8.2
Colliford Bridge	SX 1810 7071	7.5
Two Waters Foot	SX 1842 6799	9.2
Wortha	SX 2063 6988	5.5
Trenant Bridge	SX 2096 6928	5.8
Trekeivesteps	SX 2279 6991	8.5
Criggan Moor	SX 0215 6076	18.6
A 391 Bridge	SX 0229 6069	17.1
Higher Menadew	SX 0296 5930	17.8
Lavrean Bridge	SX 0315 5927	16.3
Luxulyan Bridge	SX 0481 5804	16.7
Treffrey Bridge	SX 0567 5737	18.2
St Blazey Bridge	SX 0703 5518	17.9
d/s Elmsleigh Pond	SX 0768 5431	41.1
Lowertown Farm	SX 0538 6099	19.7
Luxulyan	SX 0555 5804	18.6
prior to Par River	SX 0312 5858	10.3
Lestoon Farm	SX 0353 5835	
200m u/s Par River confluence	SX 0433 5794	21.5
d/s Wheal Prosper mica dam	SX 0001 5955	9.9
prior to Par River	SX 0265 5934	15.2
Molinnis	SX 0246 5927	13.5
Rosevath	SX 0206 6100	14.8
Cuddra Road Bridge (A 390)	SX 0454 5291	17.7
Caryon Bay road bridge	SX 0543 5275	22.8
Crinnis Beach (adit portal)	SX 0611 5230	20.0
Bodelva	SX 0548 5323	15.4
A 3082 Bridge	SX 0564 5290	14.6
Lansalson Bridge	SX 0088 5478	6.5
u/s Gover Stream	SX 0124 5355	7.8
u/s St Austell STW	SX 0122 5116	8.2

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE
NRA06.1802	R18A007	St Austell River
NRA06.1812	R18A008	St Austell River
NRA06.1803	R18A005	Gover Stream
NRA06.1813	R18A014	Polgooth Stream
NRA06.1804	R18A010	Polgooth Stream
NRA06.1805	R18A009	Mevagissey Stream
NRA06.1814	R18A001	Caerhays Stream
NRA06.1806	R18A015	Caerhays Stream
NRA06.1807	R18A002	Caerhays Stream
NRA06.1815		Hewas Water
NRA06.1808	R18A017	Portholland Stream
NRA06.1816	R18A011	Carne Stream
NRA06.1809	R18A012	Carne Stream
NRA06.1817		Trengrouse Stream
NRA06.1818	R18A016	Hembal Brook
NRA06.1901	R19A034	Percull River
NRA06.1947	R19A013	Percull River
NRA06.1948	R19A035	Mylor Stream
NRA06.1902	R19A014	Mylor Stream
NRA06.1903	R19A037	Penryn River
NRA06.1904		Argal Stream
NRA06.1949	R19A009	Swanpool Stream
NRA06.1950	R19A008	Maenporth Stream
NRA06.1905	R19A001	Porth Navas Stream
NRA06.1906	R19A003	Lestraines River
NRA06.1915	R19A027	Carvedras Stream
NRA06.1907	R19A028	Gweek River
NRA06.1908	R19A004	Gweek River
NRA06.1951	R19A042	Gweek River
NRA06.1952		Tolvan Cross Stream
NRA06.1909	R19A029	Helford River
NRA06.1910	R19A005	Helford River
NRA06.1911	R19A006	Rosevear River
NRA06.1953	R19A043	Rosevear River

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SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
Mollingey Gauging Station	SX 0074 4955	17.0
Pentewan Bridge	SX 0170 4730	19.1
prior to St Austell River	SX 0068 5274	8.5
Polgooth Bridge	SX 0034 4994	24.8
prior to St Austell River	SX 0068 4985	24.5
car park Mevagissey	SW 0130 4500	51.2
Polmassick Bridge	SW 9719 4558	35.5
Tubbs Mill	SW 9610 4334	40.7
Caerhays Beach Bridge	SW 9749 4140	52.9
Carl ooze Bridge	SW 9679 4730	
Portholland	SW 9568 4180	75.2
Melinsey Mill	SW 9055 3925	76.6
Pendower Beach	SW 8944 3825	76.4
Trelagossick	SW 9231 4127	
u/s Bridge	SW 9893 5205	
Lanhouse	SW 8605 3790	
Trethem Mill	SW 8620 3648	67.7
Enys	SW 7899 3649	16.3
Mylor Bridge	SW 8034 3615	38.7
Tremough	SW 7732 3506	17.4
Holland Mill	SW 7538 3199	
u/s Swanpool	SW 8004 3166	47.1
Tregedna Bridge	SW 7881 3029	38.6
Trenarth Bridge	SW 7577 2830	19.6
Polwheveral Bridge	SW 7377 2900	12.0
prior to Lestraines River	SW 7365 2913	11.5
Mether-uny Mill Bridge	SW 7042 2918	
Gweek Bridge	SW 7061 2717	
Danetto Bridge	SW 7062 2682	13.5
Kestle Dee	SW 7077 2751	
Mellangoose	SW 6826 2676	
u/s Gweek Mill	SW 7020 2647	27.4
Rosevear	SW 7036 2563	
Ponson Tuel Ford	SW 7033 2551	89.5

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.1912	R19A031	Manaccan River	Polkanoggo	SW 7557 2210	
NRA06.1913	R19A021	Manaccan River	Manaccan Road Bridge	SW 7638 2461	89.5
NRA06.1914	R19A017	St Keverne Stream	Porthoustock Bridge	SW 8047 2182	98.6
NRA06.1954	R19A002	Trewince Stream	Porth Navas Bridge	SW 7520 2776	
NRA06.1916	R19A030	Trelowarren Stream	Trelowarren Mill	SW 7177 2478	72.7
NRA06.1917	R19A032	Porthallow Stream	Porthallow	SW 7970 2316	101.5
NRA06.1955	R19A012	Mullion Stream	Mullion Cove	SW 6685 1788	176.0
NRA06.1956	R19A018	Church Cove Stream	Church Cove	SW 7120 1268	
NRA06.1918	R19A016	Poltesco River	Poltesco Bridge	SW 7236 1574	136.9
NRA06.1957		Kynance Stream	Kynance Cove	SW 6840 1340	
NRA06.1919	R19A011	Cury River	u/s Poldhu Beach	SW 6675 2003	152.9
NRA06.1920	R19A040	Gunwalloe Stream	Winnianton farm	SW 6610 2076	161.3
NRA06.1981	R19B004	Penkevil Stream		SW 8706 4198	55.2
NRA06.1929		Lamorran	Lamorran Wood	SW 8806 4228	
NRA06.1958	R19C001	Fal	Tregoss Bridge	SW 9663 6009	16.7
NRA06.1921	R19C002	Fal	Gaverigan Bridge	SW 9373 5881	18.7
NRA06.1959	R19C003	Fal	Retew Bridge	SW 9262 5700	16.9
NRA06.1922	R19C011	Fal	Kernick Bridge	SW 9321 5462	13.7
NRA06.1960	R19C004	Fal	Terras Bridge	SW 9345 5335	13.2
NRA06.1923	R19C005	Fal	Grampound Bridge	SW 9334 4845	16.2
NRA06.1924	R19C006	Fal	Tregoney Gauging Station	SW 9215 4486	17.5
NRA06.1961	R19C014	Gwindra Stream	Nanpean Bridge	SW 9641 5585	7.1
NRA06.1962	R19C017	Gwindra Stream	Goonabarn	SW 9555 5491	9.0
NRA06.1925	R19C008	Gwindra Stream	Gwindra Bridge	SW 9503 5299	10.6
NRA06.1926	R19C009	Gwindra Stream	Treway Bridge	SW 9409 5088	17.0
NRA06.1963		Gwindra Stream	Coombe u/s confl	SW 9512 5175	
NRA06.1982	R19C021	Coombe Stream			9.7
NRA06.1927	R19C018	Bodella Brook	Carsella	SW 9404 5768	11.2
NRA06.1928	R19C016	Trewithen Stream	Mellingoose	SW 8952 4440	43.8
NRA06.1964	R19D033	Tresillian River	Trendeal	SW 8866 5282	33.1
NRA06.1930	R19D001	Tresillian River	Ladock Water Pumping Station	SW 8927 5114	
NRA06.1931	R19D002	Tresillian River	Tresowgar Bridge	SW 8853 4812	31.0
NRA06.1965	R19D034	Tresillian River	d/s Ladock SW	SW 8704 4691	34.5
NRA06.1966	R19D032	Tresillian River	Tresillian Pumping Station	SW 8709 4706	35.3

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NRA06.1932	R19D008	Kestle Stream	Candor Ford	SW 8738 4902	35.8
NRA06.1967		Treworgans Stream	Gumnow	SW 8881 4851	
NRA06.1933	R19D009	Trevella Stream	Frogmore Bridge	SW 8585 4849	
NRA06.1934	R19D014	Trevella Stream	Tregurra Bridge	SW 8476 4684	43.9
NRA06.1935	R19D018	Allen	Idless Bridge	SW 8220 4704	41.1
NRA06.1968	R19D004	Allen	Moresk Laundry	SW 8268 4505	44.4
NRA06.1969		Trispen Stream	Treworgan	SW 8313 4989	
NRA06.1970		Minnis Stream	Trevellan	SW 8132 4829	
NRA06.1936	R19D016	Kenwyn	New Mill	SW 8077 4585	29.1
NRA06.1937	R19D007	Kenwyn	Bosvigo Bridge	SW 8155 4527	31.6
NRA06.1971	R19D025	Calenick Stream	Hugus	SW 7841 4380	27.4
NRA06.1938	R19D006	Calenick Stream	Calenick Bridge	SW 8200 4320	29.3
NRA06.1939	R19D005	Brighton Stream	New Mills	SW 9010 5239	24.0
NRA06.1972	R19D030	Zelah Brook	Gwarnick Mill	SW 8161 4929	57.7
NRA06.1983	R19D023	Boscolla Stream			
NRA06.1973		Shortlandsend Stream	Roseworthy	SW 8000 4709	
NRA06.1974	R19E016	Carnon River	Chacewater Viaduct	SW 7443 4521	29.5
NRA06.1975	R19E008	Carnon River	d/s Chacewater STW	SW 7530 4331	24.0
NRA06.1940	R19E001	Carnon River	Twelveheads	SW 7615 4206	13.2
NRA06.1976	R19E015	Carnon River	d/s County and Wellington adits	SW 7695 4150	5.1
NRA06.1977	R19E003	Carnon River	Bissoe Bridge	SW 7748 4128	7.0
NRA06.1978	R19E004	Carnon River	Devoran Bridge	SW 7909 3942	8.2
NRA06.1941	R19E021	Baldhu Stream	Bissoe Bridge	SW 7760 4149	24.3
NRA06.1942	R19E019	Hick's Mill Stream	Hick's Mill	SW 7676 4113	20.4
NRA06.1943	R19E020	Perranwell Stream	Perranwell	SW 7759 3939	32.7
NRA06.1944	R19E005	Kennal	Tregolls Bridge	SW 7295 3605	14.0
NRA06.1945	R19E006	Kennal	Ponsanooth Gauging Station	SW 7562 3795	15.8
NRA06.1979	R19E007	Kennal	Sticken Bridge	SW 7735 3819	14.6
NRA06.1946	R19E023	Stithians Stream	Seaurough Moor	SW 7343 3747	14.7
NRA06.1980	R19E022	St Day Stream	Twelve Heads prior to R Carnon	SW 7595 4225	3.0
NRA06.2001	R20A001	Cober	Trenear Bridge	SW 6828 3144	24.6
NRA06.2005	R20A008	Cober	Coverack Bridge	SW 6688 3012	9.2
NRA06.2002	R20A003	Cober	Lowertown Bridge	SW 6594 2910	8.9
NRA06.2006	R20A009	Cober	Helston Park	SW 6553 2730	12.3

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NRA06.2007	R20A004	Cober	d/s Helston STW	SW 6524 2679	14.2
NRA06.2003	R20A005	Loe Pool	Loe Pool at Bar outfall	SW 6430 2428	22.5
NRA06.2008		Tolcarne Stream	Tolcarne	SW 6876 3470	
NRA06.2004	R20A002	Bodilly Stream	Bodilly Mill	SW 6700 3185	8.8
NRA06.2009	R20A006	Medlyn Stream	Lower Polkellis	SW 6937 3263	8.4
NRA06.2010		Releath Stream	Veilaneuwson	SW 6625 3270	
NRA06.2112	R21A013	Porthleven Stream	Penbro	SW 6284 2826	13.2
NRA06.2101	R21A010	Porthleven Stream	upstream from harbour	SW 6275 2595	16.2
NRA06.2113	R21A028	Marazion River	Nancledra	SW 4944 3610	12.4
NRA06.2121	R21A001	Marazion River			
NRA06.2102	R21A002	Marazion River	Truthwell Mill Bridge	SW 5247 3257	44.4
NRA06.2114	R21A026	Tregillowe Stream	Gwallon	SW 5258 3213	76.0
NRA06.2103	R21A022	Trevaylor Stream	Trythogga	SW 4764 3183	11.6
NRA06.2115	R21A021	Rosemorran Stream	Kenegie Cottage	SW 4788 3222	12.3
NRA06.2104	R21A008	Rosemorran Stream	A30 Bridge at Chyandour	SW 4812 3113	15.2
NRA06.2105	R21A006	Chyandour Brook	A30 Bridge at Chyandour	SW 4782 3104	16.5
NRA06.2106	R21A007	Lariggan River	Wherry Town Bridge	SW 4608 2995	21.2
NRA06.2107	R21A003	Newlyn River	Skimmel Bridge	SW 4332 3020	8.3
NRA06.2111	R21A004	Newlyn River	Buryas Bridge	SW 4460 2910	12.4
NRA06.2116	R21A027	Newlyn River	Stable Hobba	SW 4542 2930	14.9
NRA06.2108	R21A005	Newlyn River	Newlyn Bridge	SW 4609 2914	19.5
NRA06.2117	R21A019	Tereife Stream	Dennis Place	SW 4457 3008	19.8
NRA06.2118	R21A020	Tereife stream	prior to Newlyn River	SW 4519 2932	25.3
NRA06.2109	R21A011	Lamorna Stream	Lamorna	SW 4500 2416	16.6
NRA06.2110	R21A015	Carn Euny Stream	Trewoolfe	SW 4390 2520	15.0
NRA06.2119		Fiddlers Brook	Bojewans	SW 4321 2661	
NRA06.2120	R21A017	Sancreed Brook	Little Sellan Bridge	SW 4231 2981	9.3
NRA06.2201	R22A009	Penberth Stream	Penberth Bridge	SW 4008 2295	30.0
NRA06.2207	R22A014	Angarrack Stream	Nanpusker	SW 5885 3734	70.3
NRA06.2202	R22A001	Angarrack Stream	Phillack - Copperhouse	SW 5699 3834	150.7
NRA06.2208	R22A007	Tregeseal Stream	prior to sea	SW 3590 3235	9.2
NRA06.2209	R22A008	Zennor Stream	Zennor	SW 4540 3846	7.7
NRA06.2203	R22A005	Nance Stream	Lelant	SW 5407 3647	50.2
NRA06.2210	R22B014	Hayle	B 3303 bridge Crowan	SW 6375 3467	9.9

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NRA06.2211	R22B015	Hayle	Drym Farm	SW 6205 3382	18.3
NRA06.2212	R22B001	Hayle	Binner Bridge	SW 6115 3277	21.0
NRA06.2204	R22B002	Hayle	Godolphin Bridge	SW 5969 3246	23.3
NRA06.2213	R22B003	Hayle	Relubbus	SW 5664 3193	27.2
NRA06.2205	R22B004	Hayle	St Erth Gauging Station	SW 5493 3507	41.7
NRA06.2214		Bosworgy Stream	Trannack	SW 5610 3299	
NRA06.2206	R22B013	Millpool Stream	Millpool	SW 5715 3138	30.1
NRA06.2215	R22B017	Godolphin Stream	Gwedna	SW 6043 3208	19.2
NRA06.2216	R22B016	Nancegollan Stream	Trenwheal	SW 6145 3306	18.6
NRA06.2217	R22B018	St Erth Stream	Treloweth	SW 5435 3558	47.3
NRA06.2314	R23A001	Red River	u/s Brea Tin Works	SW 6692 3917	12.4
NRA06.2315	R23A002	Red River	u/s South Crofty Mine	SW 6615 4088	16.2
NRA06.2301	R23A003	Red River	Rosecroghan Bridge	SW 6498 4197	14.5
NRA06.2316	R23A005	Red River	Kieve Bridge	SW 6292 4228	33.4
NRA06.2302	R23A006	Red River	Gwithian Towans	SW 5880 4200	53.9
NRA06.2303	R23A038	Roseworthy Stream	Botetoe Bridge	SW 6404 3765	17.1
NRA06.2317	R23A008	Roseworthy Stream	Penponds	SW 6304 3907	34.1
NRA06.2304	R23A009	Roseworthy Stream	Nancemellin	SW 6064 4097	54.0
NRA06.2318	R23A045	Praze River	Praze-an-Beeble	SW 6409 3558	13.0
NRA06.2305	R23A037	Praze River	Barripper	SW 6334 3815	36.3
NRA06.2319	R23A041	Tehidy Stream	Old Merrose	SW 6513 4327	55.0
NRA06.2306	R23A017	Tehidy Stream	Coombe	SW 6298 4238	59.7
NRA06.2320	R23A042	Tehidy Stream	Tolvaddon Bridge	SW 6633 4220	21.5
NRA06.2307	R23A007	Reen Stream	Ramsgate	SW 6420 3845	15.1
NRA06.2308	R23A015	Portreath Stream	Bridge	SW 6708 4495	30.0
NRA06.2330	R23A014	Redruth Stream	North Country Bridge	SW 6899 4379	14.6
NRA06.2322		Mawla Stream	Pigallie Mawla	SW 6873 4529	
NRA06.2321		Cambrose Stream	Pigallie Cambrose	SW 6870 4528	
NRA06.2309	R23A013	Porthtowan Stream	Porthtowan Bridge	SW 6954 4740	20.5
NRA06.2331	R23A043	Porthtowan Stream	Banns Vale	SW 7141 4795	33.5
NRA06.2323	R23A052	Menagissey Stream	Menagissey Bridge	SW 7082 4638	31.6
NRA06.2310	R23A051	Trevellas Stream	u/s Trevalance Cove	SW 7284 5166	31.3
NRA06.2324	R23A048	Bolingey Stream	Perranwell	SW 7691 5287	51.9
NRA06.2311	R23A011	Bolingey Stream	Ponsmere Bridge	SW 7604 5432	59.2

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NRA06.2325	R23A046	Perranporth Stream	Silverwell	SW 7471 4770	17.9
NRA06.2326	R23A047	Perranporth Stream	Mithlan	SW 7468 5055	28.8
NRA06.2312	R23A012	Perranporth Stream	Pleasure Gardens Perranporth	SW 7555 5396	41.6
NRA06.2327		Penwartha Stream	Penwartha	SW 7583 5226	
NRA06.2328	R23A049	Holywell Stream	Trelaske	SW 7894 5679	56.9
NRA06.2313	R23A010	Holywell Stream	Holywell Bay Bridge	SW 7680 5868	116.4
NRA06.2329		Treamble Stream	Trinklet	SW 7842 5606	
NRA06.2332	R23A016	St Agnes Stream	prior to culvert St Agnes	SW 7212 5128	60.5
NRA06.2333	R23A103	Porth Joke Stream	Trevowah	SW 7900 5967	217.0
NRA06.2410	R24A008	Gannel	Perrose	SW 8846 5826	37.2
NRA06.2402	R24A005	Gannel	Kestle Mill Bridge	SW 8510 5925	43.1
NRA06.2403	R24A006	Gannel	Gwills Gauging Station	SW 8301 5929	47.1
NRA06.2411	R24A009	Gannel	Trevemper	SW 8194 5983	56.2
NRA06.2404	R24A018	Treloggan Stream	A3075 roundabout	SW 8196 6007	190.8
NRA06.2405	R24A012	Newlyn East Stream	Rosecliston	SW 8171 5877	71.7
NRA06.2406	R24A004	Benny Stream	Benny Mill Bridge	SW 8421 5739	48.4
NRA06.2407	R24A010	Benny Stream	Trewerry Mill	SW 8373 5800	36.5
NRA06.2412	R24A001	East Wheel Rose Str	East Wheel Rose Bridge	SW 8346 5523	15.6
NRA06.2413	R24A003	East Wheel Rose Str	Metha Bridge	SW 8387 5632	25.1
NRA06.2408	R24A011	East Wheel Rose Str	Benny Bridge	SW 8377 5712	27.1
NRA06.2414	R24A019	Tren Creek			
NRA06.2525	R25A004	Porth Stream	Tregoose Ford Bridge	SW 8825 6162	43.2
NRA06.2501	R25A009	Porth Stream	Melancoose	SW 8621 6212	53.2
NRA06.2502	R25A005	Porth Stream	Rialton Bridge	SW 8478 6231	60.3
NRA06.2526	R25A013	St Mawgan Stream	Whipsiderry	SW 8373 6338	70.0
NRA06.2527	R25A014	Menalhyl	Tregamere	SW 9266 6461	31.2
NRA06.2528	R25A001	Menalhyl	St Columb Major Bridge	SW 9145 6398	29.0
NRA06.2529	R25A011	Menalhyl	d/s St Columb STW	SW 9046 6412	32.9
NRA06.2503	R25A002	Menalhyl	St Mawgan Bridge	SW 8730 6592	41.1
NRA06.2530	R25A003	Menalhyl	Mawgan Porth Bridge	SW 8492 6715	50.3
NRA06.2504	R25A018	Gluivan Stream	Gluivan	SW 8629 6693	31.5
NRA06.2531	R25A016	Tregatillian Stream	Tregatillian	SW 9269 6323	
NRA06.2532	R25A017	Reterth Stream	Reterth	SW 9434 6356	
NRA06.2505	R25A008	Porthcothan Stream	Porthcothan Road Bridge	SW 8597 7206	62.2

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NRA06.2533		Penrose Stream	Penrose	SW 8748 7061	
NRA06.2555	R25A026	Harlyn Water			
NRA06.2506	R25A007	Harlyn Water	Harlyn Bridge	SW 8802 7532	164.2
NRA06.2534		St Merryn Brook	Treveglos	SW 8885 7431	
NRA06.2507	R25A024	Issey Brook	Mellingey	SW 9212 7171	51.3
NRA06.2535	R25A010	Amble	St Kew Ford	SX 0211 7678	74.5
NRA06.2508	R25A006	Amble	Chapel Amble Bridge	SW 9988 7535	86.1
NRA06.2536	R25A015	Mountjoy Stream	Trewassick Bridge	SW 8606 6179	
NRA06.2509	R25B053	Polmorla Stream	Polmorla	SW 9835 7159	56.9
NRA06.2537	R25B021	Camel	Slaughterbridge	SX 1089 8559	19.7
NRA06.2510	R25B001	Camel	Camelford Bridge	SX 1067 8343	21.6
NRA06.2538	R25B022	Camel	Pencarrow	SX 1043 8278	20.4
NRA06.2539	R25B002	Camel	Trecarne Bridge	SX 0968 8057	20.2
NRA06.2540	R25B003	Camel	Gam Bridge	SX 0890 7790	15.6
NRA06.2541	R25B023	Camel	Wenford	SX 0849 7519	14.7
NRA06.2542	R25B004	Camel	Tresarret Bridge	SX 0882 7317	13.1
NRA06.2543	R25B005	Camel	Hellandbridge	SX 0650 7150	14.0
NRA06.2544	R25B006	Camel	Dunmere Bridge	SX 0484 6780	16.7
NRA06.2511	R25B007	Camel	Nanstallon Bridge	SX 0354 6741	18.7
NRA06.2545	R25B008	Camel	Grogley	SX 0144 6860	20.7
NRA06.2546	R25B029	Camel	Polbrock	SX 0145 6940	20.9
NRA06.2547	R25B027	Ruthern	Withiel Bridge	SW 9971 6590	26.8
NRA06.2512	R25B028	Ruthern	Grogley Downs Bridge	SX 0157 6777	30.0
NRA06.2513	R25B014	Lanivet Stream	Lanivet	SX 0358 6456	19.2
NRA06.2514	R25B015	Lanivet Stream	Hoopers Bridge	SX 0388 6546	
NRA06.2548	R25B016	Lanivet Stream	Nanstallon	SX 0355 6730	28.7
NRA06.2515	R25B017	St Lawrence Stream	A389 Bridge	SX 0525 6586	
NRA06.2516	R25B040	St Lawrence Stream	u/s St Lawrence STW	SX 0456 6690	29.9
NRA06.2549	R25B038	St Lawrence Stream	prior to River Camel	SX 0432 6732	35.8
NRA06.2517	R25B026	Dunmere Stream	Dunmere	SX 0475 6779	30.5
NRA06.2518	R25B018	Clerkenwater	Clerkenwater	SX 0688 6877	27.8
NRA06.2550		Blisand Stream	Lavethan Mills	SX 0905 7301	
NRA06.2551		Shallow Water	Jordan	SX 0912 7790	
NRA06.2519	R25B025	Stannon Stream	Trecarne	SX 0978 8053	5.5

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NRA06.2552		Crowdy Stream	Newhall	SX 1110 8016	
NRA06.2520	R25B024	Davidstow Stream	Tregoodwell	SX 1089 8327	15.6
NRA06.2521	R25C001	de Lank River	Bradford Bridge	SX 1140 7593	4.7
NRA06.2522	R25C002	de Lank River	Keybridge	SX 0890 7390	6.3
NRA06.2523	R25D001	Allen	Knightsmill Bridge	SX 0715 8067	43.8
NRA06.2553	R25D002	Allen	Kellygreen Bridge	SX 0455 7591	53.6
NRA06.2524	R25D003	Allen	Sladesbridge	SX 0106 7145	66.3
NRA06.2554	R25D009	Delabole Stream	Newhall Green	SX 0701 8221	26.6
NRA06.2605	R26A006	Valency	Anderton Ford	SX 1377 9128	16.9
NRA06.2601	R26A003	Valency	Boscattle Bridge	SX 0988 9128	30.6
NRA06.2606		Lesnewth Stream	Halamling	SX 1244 9070	
NRA06.2607	R26A001	Crackington Stream	Crackington Haven Bridge East	SX 1432 9677	78.8
NRA06.2602	R26A002	Pengold Stream	Crackington Haven Bridge West	SX 1432 9647	
NRA06.2603	R26A004	Milllook Stream	Milllook	SS 1849 0000	42.1
NRA06.2604	R26A005	Wanson Water	Wanson	SS 1962 0099	75.9
NRA06.2710	R27A015	Strat	Bush	SS 2329 0769	55.2
NRA06.2711	R27A001	Strat	Stratton	SS 2291 0645	61.3
NRA06.2702	R27A002	Strat	Hele Bridge	SS 2182 0377	79.6
NRA06.2703	R27A003	Strat	Rodd's Bridge	SS 2124 0477	84.4
NRA06.2712	R27A009	Bude Canal	Rodd's Bridge	SS 2111 0479	63.2
NRA06.2713		Bude Canal	200m u/s Rodd's Bridge	SS 2112 0461	
NRA06.2704	R27A010	Bude Canal	Falcon Bridge	SS 2074 0607	69.7
NRA06.2705	R27A007	Neet	Langford Bridge	SS 2353 0086	42.4
NRA06.2706	R27A008	Neet	Hele Bridge	SS 2183 0330	53.7
NRA06.2707	R27A006	Jacob Stream	Newmill Bridge	SX 2153 9873	38.7
NRA06.2714		Grinscott Stream	Cross Lanes	SS 2472 0640	
NRA06.2708	R27A011	Coombevalley Stream	Duckpool Cottage	SS 2025 1165	48.1
NRA06.2715		Tidna	Tidna Bridge	SS 2060 1482	
NRA06.2709	R27A016	Marsland Stream	Gooseham Mill	SS 2324 1725	31.1
NRA06.2701	R27A005	South Week Stream	Kitsham	SS 2315 0027	40.2
NRA06.2801	R28A005	Welcombe Stream	30m d/s footbr The Hermitage	SS 2160 1830	31.0
NRA06.2802	R28A003	Abbey River	Hartland Abbey 50m u/s br	SS 2383 2488	32.7
NRA06.2929	R29A001	Yeo [Bideford]	75m u/s br Foxdown	SS 3809 2217	34.0
NRA06.2901	R29A002	Yeo [Bideford]	30m u/s Tuckingmill Bridge	SS 4015 2245	38.2

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NRA06.2902	R29A015	Yeo {Bideford}	25m u/s Hoopers Bridge	SS 4273 2317	43.8
NRA06.2903	R29A003	Yeo {Bideford}	opposite Edge Mill House	SS 4491 2293	42.7
NRA06.2904	R29A004	Duntz	30m u/s Hembury rd br	SS 4293 1777	29.9
NRA06.2905	R29A005	Ountz	50m u/s Yeo confluence (Orleigh)	SS 4395 2242	38.9
NRA06.2906	R29A006	Lydeford Water	50m u/s Tythecott Mill Bridge	SS 4190 1838	30.8
NRA06.2943	R29A026	Huntshaw Water	30m u/s br Weare Gifford	SS 4794 2144	49.4
NRA06.2907	R29B001	Torridge	125m d/s New Bridge	SS 5489 1112	26.2
NRA06.2937	R29B002	Torridge	50m u/s Beaford Bridge	SS 5428 1426	26.7
NRA06.2938	R29B038	Torridge	10m u/s track end Undercleave	SS 5178 1652	30.3
NRA06.2939	R29B003	Torridge	300m d/s Town Mills Torrington	SS 4987 1870	31.3
NRA06.2908	R29B004	Torridge	100m d/s Rothern Bridge	SS 4780 1976	31.7
NRA06.2940	R29B034	Torridge	100m u/s Beam Bridge	SS 4731 2089	30.0
NRA06.2936	R29B046	Langtree Lake	30m u/s br Servis Farm	SS 4774 1919	41.2
NRA06.2909	R29B037	Woolleigh Brook	25m d/s B3220 road br	SS 5219 1714	36.3
NRA06.2910	R29B039	Common Lake	10m u/s Tanton's Plain	SS 4940 1982	47.8
NRA06.2911	R29B007	Mere	50m u/s Coleford Bridge	SS 5017 1325	34.1
NRA06.2912	R29B008	Mere	300m u/s A386 br 50m u/s pylons	SS 5238 1130	35.5
NRA06.2913	R29B009	Mere	150m u/s fm br Greatwood	SS 5480 1285	35.0
NRA06.2941	R29B005	Little Mere River	25m u/s track br Wooladon Moor	SS 5336 0841	59.3
NRA06.2914	R29B006	Little Mere River	20m u/s Bury Moor Bridge	SS 5257 1105	31.6
NRA06.2942		Dolton Stream	25m d/s track br u/s Torridge confl	SS 5531 1154	
NRA06.2915	R29C001	Torridge	30m u/s rd br Fordmill Farm	SS 3246 1777	20.2
NRA06.2944	R29C032	Torridge	225m u/s br 30m d/s quarry Putford	SS 3638 1613	22.5
NRA06.2916	R29C002	Torridge	200m u/s Woodford Bridge	SS 3978 1268	23.2
NRA06.2945	R29C033	Torridge	20m u/s br Gidcott	SS 4220 0941	26.6
NRA06.2917	R29C003	Torridge	50m d/s Coham Br u/s Kingsley Mill	SS 4610 0632	29.4
NRA06.2946	R29B035	Torridge	50m d/s bridge Sheepwash	SS 4865 0574	
NRA06.2918	R29C004	Torridge	50m d/s Rockhay Bridge	SS 5060 0698	30.4
NRA06.2919	R29C005	Torridge	250m u/s Hele Bridge	SS 5385 0613	30.7
NRA06.2920	R29C013	Dipple Water	150m u/s Dipple Bridge	SS 3492 1787	25.6
NRA06.2935	R29C044	Cranford Water	d/s rubbish and earth tip	SS 3407 2005	32.5
NRA06.2947	R29C010	Waldon	50m u/s br Berridon Cottage	SS 3182 1412	22.7
NRA06.2921	R29C030	Waldon	200m u/s Sutcombe Bridge	SS 3465 1100	25.4
NRA06.2948	R29C011	Waldon	10m u/s Waldon Bridge	SS 3682 1042	26.2

MEAN ALKALINITIES FOR 1991 AT ALL BIOLOGY SITES LISTED IN "ROUTINE BIOLOGICAL MONITORING OF RIVER WATER QUALITY 1992", VERSION 1.25/03/92

NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.2949	R29C042	Waldon	200m u/s br Berry Farm	SS 3910 0988	27.1
NRA06.2922	R29C012	Waldon	250m u/s Henscott Bridge	SS 4137 0812	30.3
NRA06.2923	R29C006	Lew	50m u/s Hole Stock Bridge	SS 4885 0005	27.7
NRA06.2950	R29C025	Lew	Bloomaford 3rd field from rd	SS 5090 0070	25.5
NRA06.2951	R29C007	Lew	15m u/s br Great Rutleigh	SS 5140 0079	26.6
NRA06.2924	R29C008	Lew	200m u/s Hatherleigh Bridge	SS 5398 0400	29.2
NRA06.2952	R29C009	Lew	130m u/s Lower Bridge	SS 5318 0515	32.6
NRA06.2953	R29C021	Pulworthy Brook	30m u/s hedge Furzehill	SS 5258 0415	66.7
NRA06.2954	R29C022	Medland Brook	10m u/s br Waterhouse	SS 5481 0131	32.3
NRA06.2955	R29C023	Hookmoor Brook	15m u/s br Narracott	SS 5310 0070	23.2
NRA06.2956	R29C024	Wagaford Water	75m d/s Wagaford Bridge	SS 4890 0168	44.6
NRA06.2957	R29C026	North Lew Stream	North Lew 55m u/s br	SX 5075 9910	21.5
NRA06.2958	R29C029	Stoney Stream	30m u/s ford Coombe	SX 5044 9700	
NRA06.2959	R29C043	Cookbury Stream	125m u/s br Bason Cross	SS 4118 0795	38.7
NRA06.2960	R29C038	Mussel Brook	125m u/s br Westover	SS 4786 0654	35.1
NRA06.2961	R29C029	Whiteleigh Water	40m u/s br Dipper Mill	SS 4385 0638	
NRA06.2962	R29C040	Clifford Water	15m u/s br Bileford	SS 3020 1896	20.0
NRA06.2963	R29C041	Seckington Water	75m u/s br Gorvin	SS 2977 2006	14.4
NRA06.2973	R29D225	West Okement River	Vellake 20m u/s stone br	SX 5550 9055	
NRA06.2969	R29D027	West Okement River	100m u/s Red-a-Ven d/s Meldon Dam	SX 5641 9190	6.8
NRA06.2970	R29D109	West Okement River	30m u/s footbr d/s Red-a-Ven	SX 5640 9205	7.3
NRA06.2971	R29D032	West Okement River	30m u/s Meldon Viaduct	SX 5649 9230	8.2
NRA06.2972	R29D030	West Okement River	30m u/s Meldon Quarry br	SX 5664 9331	10.6
NRA06.2932	R29D002	West Okement River	Okehampton Hosp d/s Castle car park	SX 5850 9435	9.4
NRA06.2964	R29D026	Okement	100m d/s Knowle Bridge	SX 5930 9639	10.1
NRA06.2925	R29D003	Okement	75m d/s Brightley Bridge	SX 5987 9750	9.9
NRA06.2926	R29D004	Okement	South Dornaford	SS 5999 0002	10.5
NRA06.2965	R29D008	Okement	15m u/s A3072 br Jacobstowe	SS 5920 0169	12.6
NRA06.2927	R29D005	Okement	25m d/s Woodhall Bridge	SS 5845 0343	14.5
NRA06.2966	R29D006	Okement	100m u/s Iddesleigh Bridge	SS 5690 0590	21.6
NRA06.2928	R29D052	Beckamoore Brook	75m u/s Terris Bridge	SS 5818 0328	45.0
NRA06.2967		Jacobstowe Stream	20m u/s Okement confl	SS 5913 0161	
NRA06.2930	R29D025	Brightley Stream	25m u/s rd br Brightley Mill	SX 5970 9703	10.7
NRA06.2931	R29D001	East Okement River	300m u/s A30 rd br at car park	SX 5898 9510	8.0

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.2968	R290031	East Okement River	200m u/s Fatherford rail br	SX 6048 9460	7.1
NRA06.2933	R290007	Hole Brook	50m u/s Monkokehampston	SS 5836 0545	73.2
NRA06.2934	R290028	Red-A-Ven Brook	75m u/s West Okement confluence	SX 5647 9200	6.4
NRA06.3001	R30A002	Caen	opp vicarage 75m u/s br	SS 4887 3720	38.1
NRA06.3002	R30A006	Knowl Water	20m u/s Wrafton Bridge	SS 4903 3560	54.6
NRA06.3003	R30A001	Bradiford Water	25m d/s Bradiford Bridge	SS 5503 3427	29.0
NRA06.3037	R30A003	Venn	100m u/s rd br Landkey	SS 5915 3104	70.3
NRA06.3004	R30A004	Venn	100m u/s Venn Bridge	SS 5853 3075	69.0
NRA06.3038		Croyde Stream	4m u/s footbr u/s Brookfield House garden	SS 4488 3925	
NRA06.3039	R30A028	Forda	15m u/s rd br Croyde	SS 4443 3918	84.6
NRA06.3040	R30A005	Woolacombe Stream	10m u/s bridge	SS 4577 4357	53.2
NRA06.3041	R30B001	Taw	200m d/s br Chenson	SS 7000 0953	57.9
NRA06.3042	R30B002	Taw	30m u/s Kersham Bridge	SS 6621 1353	51.2
NRA06.3005	R30B003	Taw	350m u/s Newnham Bridge	SS 6599 1701	47.8
NRA06.3043	R30B004	Taw	150m u/s rd br Kingford	SS 6253 1926	34.1
NRA06.3044	R30B015	Taw	250m u/s rd br Umberleigh	SS 6075 2345	34.2
NRA06.3006	R30B014	Taw	Chapelton 200m u/s footbridge	SS 5830 2592	33.0
NRA06.3007	R30B005	Taw	75m u/s New Bridge	SS 5700 2825	34.0
NRA06.3045	R30B016	Langham Lake	15m u/s B3227 rd br Langridgeford	SS 5717 2235	32.9
NRA06.3008	R30B006	Langham Lake	100m u/s Langham Bridge	SS 5795 2608	41.7
NRA06.3009	R30B007	Mully Brook	300m u/s Hansford Bridge	SS 6575 1560	35.5
NRA06.3046	R30B008	Hollocombe Water	20m u/s bridge Woodroberts	SS 6278 1077	36.2
NRA06.3010	R30B009	Hollocombe Water	100m u/s Bridge Reeve Bridge	SS 6608 1340	38.6
NRA06.3011	R30B012	Hawkridge Brook	75m u/s Hawkridge Bridge	SS 5950 2537	47.7
NRA06.3047		Labdon Stream	50m u/s Taw confluence	SS 6788 1283	
NRA06.3012	R30C001	Taw	300m u/s A30 br Sticklepath	SX 6417 9393	7.1
NRA06.3013	R30C002	Taw	50m u/s East Rowden Bridge	SX 6550 9951	16.0
NRA06.3048	R30C003	Taw	50m u/s br Yeo Farm	SS 6511 0292	55.7
NRA06.3049	R30C004	Taw	Bondleigh 10m u/s bridge	SS 6578 0451	56.0
NRA06.3050	R30C005	Taw	100m u/s Taw bridge	SS 6727 0649	51.3
NRA06.3014	R30C006	Taw	25m u/s Park Mill Bridge	SS 6963 0860	52.8
NRA06.3051	R30C009	Spires Lake	15m u/s track br u/s Tawton Dairy	SS 6545 0090	112.6
NRA06.3015	R30D004	Yeo [Lapford]	20m u/s Bow Bridge	SS 7174 0170	82.1
NRA06.3052	R30D012	Yeo [Lapford]	60m u/s br Down St Mary vineyard	SS 7311 0448	84.2

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.3016	R30D005	Yeo (Lapford)	25m u/s Bury Barton Bridge	SS 7373 0728	75.2
NRA06.3053	R30D006	Yeo (Lapford)	30m d/s Nymet Bridge	SS 7142 0929	65.4
NRA06.3017	R30D001	Dalch	75m u/s Mill Barton Bridge	SS 8143 1243	44.4
NRA06.3054	R30D011	Dalch	10m d/s Cann's Mill Bridge	SS 7859 1053	44.4
NRA06.3018	R30D003	Dalch	125m u/s Calves Bridge	SS 7502 0877	43.4
NRA06.3055	R30D013	Knighty Brook	400m u/s Yeo confl	SS 7385 0647	61.9
NRA06.3019	R30E001	Little Dart River	30m u/s New Bridge	SS 7968 1492	29.5
NRA06.3056	R30E002	Little Dart River	30m u/s Stone Mill Bridge	SS 7199 1307	30.0
NRA06.3020	R30E003	Little Dart River	200m u/s Dart Bridge	SS 6705 1375	28.9
NRA06.3021	R30E005	Huntacott Water	60m u/s Chumleigh road bridge	SS 6957 1387	25.0
NRA06.3057	R30E006	Sturcombe River	Bradford Tracy	SS 8127 1624	26.4
NRA06.3022	R30F001	Mole	50m d/s North Molton Bridge	SS 7440 2980	18.9
NRA06.3058	R30F002	Mole	50m u/s br Park House drive	SS 7204 2653	24.9
NRA06.3059	R30F003	Mole	5m u/s crossing point d/s fence	SS 7274 2460	31.3
NRA06.3075	R30F003	Mole	40m u/s footbr Little Hele	SS 7308 2436	31.3
NRA06.3023	R30F004	Mole	50m u/s New Bridge	SS 7250 2257	26.8
NRA06.3060	R30F005	Mole	40m u/s Mole br Meethe Barton	SS 6771 2294	27.3
NRA06.3024	R30F006	Mole	75m u/s Head Barton	SS 6667 1833	28.6
NRA06.3061	R30F010	Little Silver Stream	30m u/s Odham Bridge	SS 7423 2058	33.7
NRA06.3025	R30F011	Little Silver Stream	100m u/s Alswear rd br	SS 7232 2204	34.7
NRA06.3062	R30F023	Crooked Oak	15m d/s br Ashmill	SS 7833 2338	25.0
NRA06.3026	R30F007	Crooked Oak	75m d/s Yeo Barton Bridge	SS 7573 2307	28.8
NRA06.3027	R30F008	Yeo (Molland)	125m u/s Bottreaux Mill Bridge	SS 8222 2634	28.7
NRA06.3063	R30F024	Yeo (Molland)	20m d/s rd br Mornacott Moors	SS 7663 2634	25.9
NRA06.3028	R30F009	Yeo (Molland)	25m u/s Bish Mill Bridge	SS 7403 2535	28.5
NRA06.3029	R30F033	North Radworthy Stream	25m d/s Barham Bridge	SS 7463 3355	17.9
NRA06.3064	R30F022	Sheepwash Stream	20m u/s bridge	SS 7902 2666	13.9
NRA06.3065	R30G001	Bray	10m d/s rd br Chailaconbe	SS 6930 4104	18.6
NRA06.3030	R30G011	Bray	150m u/s Leeham Ford Bridge	SS 6785 4007	24.4
NRA06.3066	R30G002	Bray	75m u/s rd br Brayford	SS 6880 3478	21.3
NRA06.3036	R30G003	Bray	125m u/s Brayley Bridge	SS 6910 3043	26.4
NRA06.3067	R30G012	Bray	40m u/s Bray Bridge	SS 6757 2562	31.2
NRA06.3031	R30G004	Bray	50m u/s Meethe Barton Bridge	SS 6757 2303	33.0
NRA06.3068		Filleigh Stream	50m u/s rd br	SS 6735 2790	

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NATIONAL BIOLOGICAL REFERENCE NUMBER	CHEMICAL USER REFERENCE NUMBER	WATERCOURSE	SITE	NATIONAL GRID REFERENCE	1991 MEAN ALKALINITY
NRA06.3032	R30G005	Holewater Stream	100m u/s Linkleyham Bridge	SS 6967 3265	20.3
NRA06.3069	R30G013	Nadrid Water	150m u/s rd br Clapworthy	SS 6765 2408	57.7
NRA06.3033	R30H001	Yeo (Barnstaple)	100m u/s Brockham Bridge	SS 6035 4087	40.7
NRA06.3034	R30H006	Yeo (Barnstaple)	50m u/s Riversmead Bridge	SS 5958 3570	35.1
NRA06.3070		Chelfham Stream	10m d/s br Chelfham Mill School	SS 6089 3565	
NRA06.3071		Hakeford Stream	50m u/s rd br	SS 6133 3551	
NRA06.3072	R30H009	Rye Stream	10m u/s footbr Bratton Fleming	SS 6320 3773	21.9
NRA06.3035	R30H004	Rye Stream	25m u/s Loxhore Cross Bridge	SS 6120 3658	26.2
NRA06.3073		Clifton Brook	30m u/s br The Old Rectory	SS 6032 4105	
NRA06.3074		Kentisbury Brook	15m d/s hedgeline Patchole Farm	SS 6120 4220	
NRA06.3101	R31A004	Sterridge	Old Sawmill Inn 50m u/s rd br	SS 5585 4743	70.8
NRA06.3102	R31A006	Heddon	Hunters Inn 150m u/s br	SS 6546 4817	29.7
NRA06.3103	R31A001	Lee Stream	immediately d/s fence Lee Bay Hotel	SS 4798 4650	36.5
NRA06.3104	R31A002	East Wilder	immediately u/s of island The Vicarage	SS 5162 4700	44.5
NRA06.3107	R31A002	West Wilder	u/s Langleigh Country House Hotel opp fir tre	SS 5115 4692	44.5
NRA06.3105	R31A003	Hele Stream	24m d/s bridge Hele Mill	SS 5352 4758	72.7
NRA06.3106	R31A005	Umber	22m d/s bridge	SS 5798 4692	111.0
NRA06.3201	R32A003	West Lyn	Sunny Lyn Caravan Park	SS 7185 4843	20.7
NRA06.3202	R32A006	Barbrook	100m d/s pumping stn Dean	SS 7085 4782	18.2
NRA06.3206	R32A001	East Lyn River	opposite Hall Farm u/s Leeford	SS 7725 4825	24.2
NRA06.3203	R32A002	East Lyn River	Lynmouth Oakleigh u/s footbridge	SS 7258 4933	26.5
NRA06.3205		East Lyn (Oare Water)	150m u/s Oare Bridge	SS 8030 4743	
NRA06.3207	R32A004	Farley Water	100m d/s Hillsford Bridge	SS 7412 4785	22.0
NRA06.3208		Hoar Oak	15m u/s bridge	SS 7402 4772	
NRA06.3204	R32A005	Badgworthy Water	200m d/s Badgworthy House	SS 7930 4728	21.6

2.2 Conductivity

See Table 2.2.

Definition of columns in Table 2.2

CATCHMENT	=	Catchment description and South West Region catchment code.
1991 CODE	=	'5-figure' Biological site code. The first two digits are the catchment codes; the last two or three digits are the individual site codes.
WATERCOURSE	=	Watercourse name
SITE	=	Site description
NGR (BIOL)	=	Ordnance Survey National Grid Reference of the biological site.
CONDUCTIVITY:		
SPRING	=	March - May
SUMMER	=	June - August
Autumn	=	September - November
ANN MEAN	=	Mean of individual results from individual season's results.

Table 2.2 Conductivity measured at routine biological monitoring sites during 1991

CONDUCTIVITY MEASURED AT ROUTINE BIOLOGICAL MONITORING SITES - 1991

CATCHMENT	1991 CODE	WATERCOURSE	SITE
LIM - 1A	0102	HARCOMBE STREAM	5m U/S BRIDGE, PRIOR TO STW.
AXE - 2B	0231	BULMOOR STREAM	100m U/S WHITFORD BRIDGE.
AXE - 2C	0235	OLD PARK BROOK	50m U/S AXE CONFLUENCE.
AXE - 2C	0236	MILL BROOK	20m U/S AXE CONFLUENCE.
AXE - 2C	0237	CHAPPLECROFT BROOK	60m U/S AXE CONFLUENCE.
AXE - 2C	0238	SMALLRIDGE STREAM	25m U/S RAIL BRIDGE, PRIOR TO AXE.
AXE - 2C	0239	STAMMERY STREAM	50m U/S AXE CONFLUENCE.
AXE - 2C	0240	HENWOOD STREAM	40m U/S AXE CONFLUENCE.
OTTER - 4B	—	TALATON STREAM	5m U/S TALATON STORM OUTFALL
OTTER - 4B	—	TALATON STREAM	75m D/S TALATON STW DISCHARGE
OTTER - 4B	0416	FAIROAK	30m U/S BRIDGE, UPOTTERY.
OTTER - 4B	0417	ODLE BROOK	10m U/S TRACK, SPURTHAM FARM.
OTTER - 4B	0418	COOMBE RALEIGH STREAM	50m U/S FARM FORD, LONGWOOD.
OTTER - 4B	0419	GIT	10m D/S TOP OF FIELD, D/S POMEROY.
OTTER - 4B	0420	VINE WATER	25m D/S FENITON SIGNPOST, FENITON.
OTTER - 4B	0421	WEST HILL STREAM	25m U/S BRIDGE, SALSTON BARTON.
OTTER - 4B	0422	FLUXTON STREAM	40m U/S BRIDGE, FLUXTON.
OTTER - 4B	0423	METCOMBE BROOK	20m U/S BRIDGE, METCOMBE.
OTTER - 4B	0424	COLATON RALEIGH STREAM	15m U/S BRIDGE, POPHAMS.
OTTER - 4B	0425	BUDLEIGH BROOK	20m U/S BRIDGE, YETTINGTON.
EXE - 5B	—	AYLESBEARE STREAM	20m U/S AYLESBEARE STW DISCHARGE
EXE - 5B	—	AYLESBEARE STREAM	25m D/S AYLESBEARE STW DISCHARGE
EXE - 5G	0593	WITHIEL BROOK	50m U/S FIELD BR., U/S WIMBLEBALL.
EXE - 5K	05102	HORWELL STREAM	55m U/S BRIDGE, COLEBROOKE.
TEIGN - 6A	0625	COMPTON POOL STREAM	25m U/S RD BR., LANGFORD BRIDGE.
TEIGN - 6C	0636	HALDON STREAM	160m U/S FOOTBRIDGE, HAMS BARTON.
TEIGN - 6C	0640	CROCKERNWELL STREAM	35m D/S ROAD BRIDGE.
DART - 7B	0729	RUDDYCLEAVE WATER	15m U/S BR., RUDDYCLEAVE COTTAGE.
DART - 7B	0732	VENNFORD BROOK	25m D/S RAILINGS, D/S WTW.
GARA - 8A	0816	SOUTH POOL STREAM	5m U/S CROSSING POINT, SOUTH POOL.
GARA - 8A	0817	CHILLINGTON STREAM	15m D/S ROAD BRIDGE, CHILLINGTON.
GARA - 8A	0818	CHURCHSTOW STREAM	25m U/S RD BR., REDFORD
ERME - 9B	0908	LEFT LAKE	10m U/S ERME CONFLUENCE, U/S WEIR.
ERME - 9B	0909	RED LAKE	20m U/S ERME CONFLUENCE.
FOWEY - 15B	1511	BEDELLVA STREAM	BOCONNOC
PAR - 16A	1617	RESCORLA BROOK	PRIOR TO PAR RIVER
COASTAL - 18A	1815	HEWAS WATER	CARLOOZE BRIDGE
COASTAL - 18A	1817	TRENGROUSE STREAM	TRELAGOSSICK
COASTAL - 18A	1818	HEMBAAL BROOK	U/S BRIDGE

NGR (BIOL)	CONDUCTIVITY (MicroSiemens/cm)			
	SPRING	SUMMER	AUTUMN	ANN MEAN
SY 3330 9333	381.00	380.00		380.50
SY 2633 9533	488	399	417	434.67
SY 2909 9798	207	457	—	332.00
SY 2965 9921	279	235	211	241.67
ST 3045 0000	616	630		623.00
ST 3088 0037	316	302	319	312.33
ST 3202 0100	288	262	173	241.00
ST 3462 0498	330	280	332	314.00
SY 0742 9878	543	622	614	593.00
SY 0752 9878	559	597	768	641.33
ST 1994 0778	230	275	160	221.67
ST 1925 0640	289	315	183	262.33
ST 1630 0175	396	393	347	378.67
SY 1343 9900	394	365	337	365.33
SY 1108 9914	487	513	499	499.67
SY 0883 9455	285	254	237	258.67
SY 0863 9283	318	320	294	310.67
SY 0797 9197	259	269	290	272.67
SY 0718 8767	226	226	266	239.33
SY 0527 8570	186	146.8	156	162.93
SY 0351 9186	503	586	623	570.67
SY 0348 9185	503	620	713	612.00
SS 9805 3266	148	139.2	133	140.07
SS 7715 0043	405	408	411	408.00
SX 8719 6908	593	635	552	593.33
SX 8796 8032	340	—	312	326.00
SX 7617 9267	318	132	448	299.33
SX 7245 7308	73.8	68.9		71.35
SX 6870 7139	53.3	45.7		49.50
SX 7773 4025	490	449		469.50
SX 7925 4265	570	522		546.00
SX 7228 4434	484	—		484.00
SX 6402 6330	52.5	44.5		48.50
SX 6358 6612	47	44.1		45.55
SX 1550 6036	—	—	—	199.00
SX 0353 5835	—	—	—	161.00
SW 9679 4730	—	—	—	289.00
SW 9231 4127	—	—	—	408.00
SW 9893 5205	—	—	—	234.00

CONDUCTIVITY MEASURED AT ROUTINE BIOLOGICAL MONITORING SITES - 1991

CATCHMENT	1991 CODE	WATERCOURSE	SITE
HELFOED - 19A	1952	TOLVAN CROSS STREAM	KESTLE DEE
HELFOED - 19A	1954	TREWINE STREAM	PORTH NAVAS BRIDGE
HELFOED - 19A	1955	MULLION STREAM	MULLION COVE
HELFOED - 19A	1956	CHURCH COVE STREAM	CHURCH COVE
HELFOED - 19A	1957	KYNANCE STREAM	KYNANCE COVE
FAL - 19D	1967	TREWORGANS STREAM	GUMMOW
FAL - 19D	1969	TRISPEN STREAM	TREWORGAN
FAL - 19D	1970	MINNIS STREAM	TREVELLAN
FAL - 19B	1981	PENKEVIL STREAM	PARSON'S HILL WOOD
COBER - 20A	2007	COBER	D/S HELSTON STW
COBER - 20A	2008	TOLCARNE STREAM	TOLCARNE
COBER - 20A	2010	RELEATH STREAM	VELLANEWSO
COASTAL - 21A	2119	LAMORNA STREAM	BOJEWANS
COASTAL - 22A	2208	TREGESAL STREAM	PRIOR TO SEA
COASTAL - 22A	2209	ZENNOR STREAM	ZENNOR
COASTAL - 23A	2321	CAMBROSE STREAM	PIGALLIE CAMBROSE
COASTAL - 23A	2322	MAWLA STREAM	PIGALLIE MAWLA
COASTAL - 23A	2327	PENWARTHA STREAM	PENWARTHA
COASTAL - 23A	2328	HOLYWELL STREAM	TRELASKE
COASTAL - 23A	2329	TREAMBLE STREAM	TRINKLET
MENALHYL - 25A	2531	TREGATILLIAN STREAM	TREGATILLIAN
MENALHYL - 25A	2532	RETERTH STREAM	RETERTH
COASTAL - 25A	2533	PENROSE STREAM	PENROSE
COASTAL - 25A	2534	ST MERRYIN BROOK	TREVEGLOS
CAMEL - 25A	2536	MOUNTJOY STREAM	TREWASSICK BRIDGE
CAMEL - 25B	2550	BLISLAND STREAM	LAVETHAN MILLS
CAMEL - 25B	2551	SHALLOW WATER	JORDAN
CAMEL - 25B	2552	CROWDY STREAM	NEWHALL
VALENCY - 26A	2606	LESNEWITH	HALAMILING
STRAT/NEET- 27A	2712	BUDE CANAL	RODD'S BRIDGE
STRAT/NEET- 27A	2713	BUDE CANAL	200M U/S RODDS BRIDGE
STRAT/NEET- 27A	2714	GRINSCOTT STREAM	CROSS LANES
COASTAL - 27A	2715	TIDNA	TIDNA BRIDGE
COASTAL - 28A	2803	LYME BROOK	15m U/S WATER FALL.
TORRIDGE - 29B	2942	DOLTON STREAM	25m D/S TRACK BRIDGE, U/S TORRIDGE CONFLUENCE.
TORRIDGE - 29C	Fd	CRANFORD WATER	U/S MUSHROOM FARM, D/S ROADBRIDGE.
TORRIDGE - 29C	2958	TRIB OF N.LEW STREAM	30m U/S FORD, COOMBE.
TORRIDGE - 29D	2967	JACOBSTOWE STREAM	20m U/S OKEMENT CONFLUENCE.

NGR (BIOL)	CONDUCTIVITY (MicroSiemens/cm)			
	SPRING	SUMMER	AUTUMN	ANN MEAN
SW 7077 2751	—	—	—	260.00
SW 7520 2776	—	—	—	320.00
SW 6685 1788	—	—	—	796.00
SW 7120 1268	—	—	—	946.00
SW 6840 1340	—	—	—	1054.00
SW 8881 4851	—	—	—	360.00
SW 8313 4989	—	—	—	307.00
SW 8132 4829	—	—	—	321.00
SW 8706 4198	—	—	—	382.00
SW 6524 2679	—	—	—	242.00
SW 6876 3470	—	—	—	183.00
SW 6625 3270	—	—	—	268.00
SW 4321 2661	—	—	—	329.00
SW 3590 3235	—	—	—	312.00
SW 4540 3846	—	—	—	123.00
SW 6870 4528	—	—	—	383.00
SW 6873 4529	—	—	—	534.00
SW 7583 5226	—	—	—	309.00
SW 7894 5679	—	—	—	393.00
SW 7842 5606	—	—	—	474.00
SW 9269 6323	—	—	—	220.00
SW 9434 6356	—	—	—	129.00
SW 8748 7061	—	—	—	372.00
SW 8885 7431	—	—	—	545.00
SW 8606 6179	—	—	—	411.00
SX 0905 7301	—	—	—	147.00
SX 0912 7790	—	—	—	122.00
SX 1110 8016	—	—	—	120.00
SX 1244 9070	—	—	—	253.00
SS 2111 0479	—	—	—	438.00
SS 2112 0461	—	—	—	436.00
SS 2472 0640	—	—	—	342.00
SS 2060 1482	—	—	—	317.00
SS 2258 2353	327	308		317.50
SS 5531 1154	231	248	294	257.67
SS 3411 2132	242	416	164	274.00
SX 5044 9700	225	214	179	206.00
SS 5915 0160	172.6	211	277	220.20

CONDUCTIVITY MEASURED AT ROUTINE BIOLOGICAL MONITORING SITES - 1991

CATCHMENT	1991 CODE	WATERCOURSE	SITE
TAW - 30A	3038	CROYDE STREAM	4m U/S FTBR, U/S BROOKFIELD HOUSE GDN.
TAW - 30A	Fu	FORDA	U/S DISCHARGE, KENNEL LANE.
TAW - 30A	Fd	FORDA	D/S CROWBOROUGH FARM.
TAW - 30B	3047	LABDON STREAM	50m U/S TAW CONFLUENCE.
TAW - 30G	3068	FILLEIGH STREAM	10m U/S ROAD BRIDGE.
TAW - 30H	3070	CHELFHAM STREAM	10m D/S BR., CHELFHAM MILL SCHOOL.
TAW - 30H	3071	HAKFORD STREAM	50m U/S ROAD BRIDGE.
TAW - 30H	3073	CLIFTON BROOK	10m U/S BRIDGE, THE OLD RECTORY.
TAW - 30H	3074	KENTISBURY BROOK	15m D/S HEDGE LINE, PATCHOLE FARM.
COASTAL - 31A	3104	EAST WILDER	IMMEDIATELY UPSTREAM OF ISLAND, THE VICARAGE.
COASTAL - 31A	3107	WEST WILDER	UPSTREAM HOUSE (OPP. FIR TREE), LANGLEIGH COUNTRY HOUSE HOTEL.
COASTAL - 32A	3208	HOAR OAK	15m U/S BRIDGE.

NGR (BIOL)	CONDUCTIVITY (MicroSiemens/cm)			
	SPRING	SUMMER	AUTUMN	ANN MEAN
SS 4488 3925	467	499	442	469.33
SS 4684 3967	316	N/F	281	298.50
SS 4678 3968	371	416	437	408.00
SS 6788 1283	216	226	201	214.33
SS 6735 2788	248	290	250	262.67
SS 6089 3565	212	211	205	209.33
SS 6133 3551	189.5	191.1	188	189.53
SS 6032 4103	175	151	144	156.67
SS 6120 4220	226	240	240	235.33
SS 4814 4637	265	276	265	268.67
SS 5115 4692	292	315	292	299.67
SS 7402 4772	101	109.4	101	103.80

FRESHWATER SECTION TECHNICAL REPORT AUDIT

REPORT NO:

FVS 192/012

REPORT TITLE:

Mean Annual alkalinity and
Conductivity at routine biological monitoring
sites in 1992 for UK with RLPND

I have read the above report and I am satisfied with its written scientific and technical content. I have checked all Tables, Figures and calculations for numerical accuracy and verify them to be correct.

DATE:

6 August 92

SIGNATURE OF RESPONSIBLE OFFICER

[Signature] 6/8

I recommend acceptance of this Report/Note

[Signature]

Freshwater Officer

6/8/92 Date

Passed for Release

[Signature]

Water Quality Planner

Sept 1992 Date