

Environmental Protection Internal Report

**REGIONAL WATER QUALITY
MONITORING AND SURVEILLANCE
PROGRAMME FOR 1992**

**BIOLOGICAL IMPACT ASSESSMENT OF
DISCHARGES ON RECEIVING WATERS**

**June 1992
FWS/92/008**

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SUMMARY

This report describes the routine biological discharge monitoring programme to be undertaken by NRA South West Region in 1992. This was a new programme in 1992.

The complete monitoring programme covers approximately 203 sewage treatment works with descriptive consents; 100 fish farms; 30 trade effluent discharges; and 5 storm sewage overflows. There are also a number of consented farm discharges in the programme, however the actual number is likely to change between now and next year (1993) owing to a revision of these consents following the first charges being levied on them; many of the consents may be redundant, or need substantial revision. A few consented farm discharges were monitored in 1992, which served to verify the difficulties of locating many of these discharges, but demonstrated the effectiveness of the newly developed methods that are to be used for monitoring them.

It is estimated that the programme will take 5 years to complete. Each discharge is to be visited once, and samples are to be taken upstream and downstream from the discharges. Each year, selected catchments will be targeted. A number of trade effluents that are of concern to the Quality Regulations Section are to be investigated in 1992 irrespective of their catchment.

The monitoring of consented farm discharges is to be concentrated in the Winter (January-February). Other discharges are to be monitored between March and November.

Consented farm discharges are to be monitored using a rapid field assessment technique developed recently by the Water Research Centre and NRA Welsh Region, and tested and modified in the South West Region in 1991. The other discharges are to be monitored using the standard NRA biological river quality monitoring methods using invertebrates.

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1. INTRODUCTION TO THE 1992 ROUTINE DISCHARGE MONITORING PROGRAMME

This report describes NRA South West Region's routine biological discharge monitoring programme for 1992. This programme was initiated in Autumn 1991. 1992 was to be the first year that it was undertaken.

1.1 Scope of the routine biological discharge monitoring programme

This monitoring programme is not aimed at all discharges, but at selected types:

- Sewage Treatment Works (STWs) with descriptive consents. Descriptive consents do not specify limiting concentrations or loadings of chemical determinands that the discharge should comply with, but state that the discharge should have no detrimental effect on the water or ecological quality of the receiving water. The consents of STWs that are found to have a detrimental impact on the receiving water will be reviewed; they will be issued with numerical consents that specifying concentrations or loadings of a number of chemical determinands with which the discharge must comply.
- Fish farm discharges. Consents for fish farms have only recently been issued. Their effects on the rivers in the South West Region have never been comprehensively assessed.
- Trade effluent discharges. A selected number of trade effluent discharges have been included in the programme, and are to be surveyed as a matter of urgency in 1992. This includes a number of discharges from agricultural processors, china-clay works, and a small number of discharges which, whilst complying with their numerical consents, are suspected of having a detrimental effect on their receiving waters.
- Consented farm discharges. Although there is a move to reduce the number of consented farm discharges, the current practice being to attempt to contain the wastes on the farm, a considerable number of consents for discharges to watercourses still exist.

This monitoring programme complements a similar, but more extensive chemical monitoring programme. There is a separate biological monitoring programme for STWs in South West Water Services' capital improvement programme, which is to be undertaken by the Freshwater Investigations Team.

1.2 Aim of the routine biological discharge monitoring programme

The aim of the routine biological discharge monitoring programme is to monitor the ecological impacts of selected types of discharges in the South West Region on their receiving waters. It is to provide information to enable the effectiveness of existing consents in protecting water quality to be assessed, and to identify discharges where the consent conditions may need revision.

1.3 Objectives

- To provide an economical means of screening the impact of discharges not monitored in other discharge monitoring programmes.
- To complement a chemical monitoring programme of selected discharges to identify:
 - those that have a substantial impact on their receiving waters and which may be breaking their consent conditions
 - those that are not exceeding their consent conditions, but have an adverse impact on river quality, and which may require a review of their consent
 - Sewage works which should be added to the capital improvement scheme
- To provide evidence of consent exceedence for:
 - legal proceedings
 - identifying where special investigations may be required
- To provide baseline data against which the effectiveness of improvements or remedial measures can be assessed.
- To provide an overview of the effect of certain categories of discharge on the water and ecological quality of rivers in the South West Region.

2. DESCRIPTION OF THE PROGRAMME

2.1 Site location and survey design

It is estimated that it will take about 5 years to survey every discharge in the programme once, with the staff resources currently allocated to this programme (one full-time equivalent). The first survey is likely to take considerably longer than subsequent surveys, because the precise location of many of the discharges, suitable sites from which to monitor their effects, and the arrangements for access to them will have to be determined and recorded. Many of the discharges have already been located by the chemical monitoring teams. The number of consented farm discharges is likely to be revised substantially, and will be less than the estimate made in late 1991.

The programme is purposefully open-ended to allow flexibility, however the progress of the programme is to be reviewed at the end of Autumn 1992, to assess whether the programme can be completed in 5 years. The effectiveness of the methods will be evaluated at the end of the year, as will the reporting procedures.

Consented farm discharges will be monitored in Winter (January-March). This is the time of year when farm discharges are usually of greatest concern, because many are influenced rainfall. The methods that are to be used to assess the impact of these discharges have been developed specifically for use during the Winter (December-March). Similar biological methods for investigating the impact of farm waste are being developed for other times of the year. Other routine biological monitoring undertaken by the Region, including routine river quality monitoring, does not take place during the Winter because the greater flows make access to larger streams difficult, and because RIVPACS is not optimised for Winter.

The impact of other discharges will be monitored between March and November. This is the period when routine biological monitoring of rivers occurs, and the RIVPACS model is able to provide predictions of the faunas that should be expected at biological monitoring sites if their environmental conditions were good.

2.2 Survey methods

2.2.1 STWs, fish farms and trade effluent discharges

Macro-invertebrates will be sampled at sites upstream and downstream from the discharges. The downstream sites must be taken beyond the mixing zone. Standard NRA sampling protocols for routine river monitoring will be used (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 will also be used. The standard NRA sampling method is used so that the results are sufficiently robust to be used as evidence in prosecutions.

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 un-impacted, and for the data to be analyzed using the standard NRA methods.

Invertebrates will be identified to family, and their abundances estimated.

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

The presence and cover of ochre and sewage fungus will be recorded, as will the presence of blanket weed Cladophora and other visual indicators of detrimental impacts.

The sample from the downstream site will be processed first. If that sample indicates good biological quality, the discharge will be considered to have no significant detrimental impact on the biological quality of the receiving water, provided that sewage fungus, algal and macrophyte growth are also unaffected. In these cases, the sample taken upstream from the discharge will not need to be processed.

2.2.2 Farm discharges

Macro-invertebrates will be sampled from riffles using a standard 1 mm mesh long-handled pond net. The method cannot be used on depositing substrates or pools. A one minute kick is sufficient (as opposed to three minutes for samples taken for monitoring other types of discharge described in Section 2.2.1, and for RIVPACS evaluation). No search for organisms attached to rocks, in vegetation or under roots is required.

Although the assessment of pollution category is to be made in the field, samples should be returned to the laboratory for storage. Some of these samples may be used for further development of the methodology. Samples should be fixed in formaldehyde, and stored in alcohol, in the same manner as routine biological river monitoring samples in 1990 and 1991.

The cover of sewage fungus at each site will be estimated by observing the cover on at least 5 large stones. Sometimes it may be necessary to bring a sample back to the laboratory to confirm that it is sewage fungus and not silt or a bloom of epilithic diatoms. On pale coloured substrates it will be necessary to bring the stones back to the laboratory to determine the cover.

Substrate type, width and depth will be recorded to provide some background information for use in evaluating the data, as well as an aide memoire. Information on substrate composition is useful because the method is less reliable on depositing substrata.

Environmental measurements will be taken in the same way as for routine river samples. The substrate categories are the same as those on the field data sheet for routine river samples. Percentages of particulate substrate types should be estimated independently of bedrock, and should total 100%. A separate estimate of the cover of bedrock will be based on its percentage cover in the riffle sampled.

A rough sketch, rather than a corridor type map as drawn at routine river sites will be drawn, and will indicate the location of potential sources of pollution. The direction of flow will also be indicated.

Brief field comments will be written for each sample. Without field observations, it is difficult to evaluate the biological data. Field observations are as important as the data from the biological (or chemical) samples themselves.

2.3 Data analysis and reporting

The biological data, and the environmental data to support RIVPACS from the programme monitoring the impacts of STWs, fish farms and trade effluent discharges will be entered into the Regions' biological database.

The severity of any detrimental impacts from STWs, fish farms or trade effluents will be determined by comparisons of upstream and downstream sites, and will be expressed as taxonomic deficits, and deficits in commonly used biotic indices such as BMWP-score and ASPT. Where feasible, the absolute impact of the discharge may be placed on a universal scale using EQIs.

The impact of farm discharges will be assessed using indicator keys which categorise the severity of farm pollution. Both a key devised for Devon streams, which was based on field surveys in 1991, and a Welsh key will be used. The path through both keys will be indicated. The evaluation will be undertaken in the field, and confirmed after the laboratory analysis of sewage fungus.

The evaluation of impact will be determined by the field biologists. Discharges that have a detrimental impact will be reported to the Freshwater Officer within one week of the impact being identified. Appropriate action will then be taken, including the dissemination of this information to pollution control staff.

A formal report of the results of the survey will be produced at the end of the year.

3 PROGRAMME INFORMATION

3.1 The Catchments given priority in 1992

The following catchments are to be targeted in 1992, in the following order of priority:

- | | |
|-------------|-----------|
| 1. Torridge | 6. Lynher |
| 2. Taw | 7. Plym |
| 3. Otter | 8. Camel |
| 4. Tamar | 9. Erme |
| 5. Tavy | 10. Exe. |

3.2 STWs with descriptive consents, fish farms and trade discharges

The discharges to be included in the programme are listed in Table 3.1. This list is provisional. The precise location of the sampling sites will be determined by the biologists following consultation with chemical sampling staff and a site reconnaissance. Storm sewage overflows will be considered as a part of the discharge from a STW. All the discharges from a STW should be monitored by single sites upstream and downstream from the works. The nature of some discharges in the programme is not known. They will be retained in the programme only if they are STW or fish farm discharges.

Table 3.1 Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

18 CHEMICAL DETERMINATIONS

20 As a % of total discharge

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

Discharge	U.R.N.	N.G.R.	Date	Folio	BOD	SS	AM	VOL	% SGT	ADDITIONAL CONDITIONS
STW LITTLE STW										
STW ANNEST FARM, LITTLE, FISH FARM,	MSW7802E	ST 3340 9340								
	FOUAY/P/1	ST 3180 9470								
STW KILCOWEE REGIS STW										
	02A	ST 1475 8860								
STW KILCOWEE REGIS STW										
	02B	ST 1925 9890								
STW KILCOWEE REGIS STW										
	02C	ST 2920 0850								
STW KILCOWEE REGIS STW										
	02D	ST 2750 0203								
STW KILCOWEE REGIS STW										
	02E	ST 2490 0408								
STW KILCOWEE REGIS STW										
	02F	ST 2053 0767								
STW KILCOWEE REGIS STW										
	02G	ST 0310 9070								
STW KILCOWEE REGIS STW										
	02H	ST 0358 9186								
STW KILCOWEE REGIS STW										
	02I	ST 0445 1040								
STW KILCOWEE REGIS STW										
	02J	ST 0310 0820								
STW KILCOWEE REGIS STW										
	02K	ST 0780 0110								
STW KILCOWEE REGIS STW										
	02L	ST 0310 1150								
STW KILCOWEE REGIS STW										
	02M	ST 0930 0750								
STW KILCOWEE REGIS STW										
	02N	ST 0301 1141								
STW KILCOWEE REGIS STW										
	02O	ST 0100 1260								
STW KILCOWEE REGIS STW										
	02P	ST 0782 0633								
STW KILCOWEE REGIS STW										
	02Q	ST 0860 1190								
STW KILCOWEE REGIS STW										
	02R	ST 0695 0595								
STW KILCOWEE REGIS STW										
	02S	ST 0350 1400								
STW KILCOWEE REGIS STW										
	02T	ST 0935 0235								
STW KILCOWEE REGIS STW										
	02U	ST 0935 0205								

SAMPLING JAN 92. inlet-outlet difference; BOD < 2, SS < 3, AM < 0.15
01/11/91 NRA-GA-2840 100:60 54 cmc/hr
25 AL, 10 flocculate
2 Cr

See RWIT Investigation

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

Discharge	U.R.N.	N.G.R.	D.O.E.	F.O.L.D.	B.O.D.	S.S.	A.M.	VOL	% SET	ADDITIONAL COMMENTS
FF BURN VALLEY TROUT FARM, BURNHAYES, SILVERTON	1050/P/1	SS 9523 0691	14/08/84	SAAA 324	5	15	0.7	2000		SEE BURN VALLEY TROUT FARM
FF BURNHAYES, SILVERTON	1050/P/1		#							
STW BUTTERLEIGH STW	1050	SS 9740 0775		SAAA 487						
STW BUCKLEIGH STW	1050	SS 9385 0730		SAAA 488						
STW COMLEY BRIDGE STW	1050	SS 9507 9550		SAAA 507						
STW CONDELEIGH STW	1050	SS 9160 0812		SAAA 519						
STW CROSBY CROSS STW	1050	SS 9065 0505		SAAA 565						
FF BELLEBROOK VALLEY, TROUT FARM	1050/P/10	SS 8970 2020								
FF GREAT WESTERN SALMON LTD, WEIR, DULVERTON	1050/P/11	SS 9340 2470								
FF JOSE VALLEY FISHERY, EXETER, DULVERTON	1050/P/12	SS 9280 2470								
TE ASHLEY TOP, TIVERTON	1050/P/15	SS 9490 0950								
TE JOHN HERBERT & CO LTD, TIVERTON	1050/P/16	SS 9520 1280	11/12/79	SAAA 118	75	75	15	170		15 detergent, 0.5 methyl naphthalene, 0.5 total phenols
FF RAINDAW VALLEY FISH FARM, OUTLET A, OXFORD	1050/P/61	SS 9290 2160	16/08/83	SAAA 284	3	10	0.3	940		
FF RAINDAW VALLEY FISH FARM, OUTLET B	1050/P/61B	SS 9290 2160								
FF HITCHLEIGH MILL FISH FARM, HITCHLEIGH BRIDGE	1050/P/61A	SS 9200 2290	16/08/83	SAAA 285	10	20	2.5	500		
TE HITCHER KILN (MONTHLY) 4 SITES	1AS PROG									
TE HITCHER KILN (BI-ANNUALLY) 8 SITES	1AS PROG									
STW HANFORD STW	1050	ST 0045 2035		SAAA 406						
STW HANFORD STW	1050	SS 9113 2142		SAAA 412						
STW HANFIELD STW	1050	SS 9360 1530		SAAA 460						
STW HITCHLEIGH STW	1050	SS 9250 1900		SAAA 463						
STW HILDON END STW	1050	SS 8698 2504		SAAA 464						
STW HITCHER STW	1050	SS 9535 2471		SAAA 411						
STW HULLINGFORD STW	1050	SS 9794 2378		SAAA 652						
FF CASTLE HILL FISHERY, WITHEL FLOREY, MAREHEAD	1050/P/1	SS 9860 3340								
FF HERFORD FISH FARM, HERFORD REGIS	1050/P/2	SS 9590 2340								
ST NIMBLEBALL (RESERVOIR) SEPTIC TANK	1050	SS 9640 3100		SAAA 586						
77 NIMBLEBALL (FROMELL OR PARK)	1050	SS 9690 2850		SAAA 646						
77 NIMBLEBALL (DM)	1050	SS 9640 2940		SAAA 647						
STW MANSFORD STW	1050	SS 9100 3470		SAAA 651						
STW HERFORD REGIS STW	1050	SS 9553 3120		SAAA 715						
STW BRIDGETON STW	1050	SS 9230 3123		SAAA 728						
ST DULVERTON (RECREATION) SEPTIC TANK	1050	SS 9133 2764		SAAA 635						
FF EAST LODGE, CROBY PARK, CROBYTON	1050/P/1	SS 8390 0120								
FF EAST LODGE, CROBY PARK, CROBYTON, OUTLET B	1050/P/1	SS 8390 0120								
STW FENNEMORE STW	1050	SS 8560 1163		SAAA 420						
* STW NODALE (CROBYTON) STW	1050	SS 7830 0160		SAAA 657						
TE HERFORDFIELD TWP TREATMENT UNIT, KINGSLEIGH	1060/P/41	SS 8460 7630	26/08/81	SAAA 181	75	75	10	42		Sum C-H+H+N+2n < 2
TE HEBBULL CLAY - S.D. 24	1060B41	SS 8600 7270								
77 BROADWAY AVENUE KINGSLEIGH	1060	SS 8658 7323		NRA-94-2535						

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

DISCHARGE	U.R.N.	N.G.R.	DIRE	FOLIO	BOD	SS	AMM	VOL	% SAT	ADDITIONAL CONDITIONS
?? LINDEN TERRACE NEWTON ABBOT STW	106B 106B	SK 8541 7103 SK 8100 7225		NR-84-275 SAA 385						
PF MADDOCKS FARM, KERSWELL SPRINGS, OAKLEIGH, FISH FM	106C/P/1	SK 8813 8065	07/11/89	NR-84-116	5	15	1	120		
PF THE MILL HOLE, ORUSTON	106C/P/2	SK 8350 8500								
STW HENDOCK (MARRHILL) STW	106C	SK 8480 8120		NR-84-0409						
STW MURCHINGTON STW	106C	SK 6880 8815		SAA 379						
STW CROOKERWELL STW	106C	SK 7565 9240		SAA 399						
STW THOMAS LEIGH STW	106C	SK 6760 9055		SAA 450						
STW SAKEL PARK STW	106C	SK 7136 8932		SAA 454						
STW DODDSCOMBE LEIGH STW	106C	SK 8515 8697		SAA 494						
STW TULSHAM STW	106C	SK 8520 8215		SAA 526						
STW CHRISTON (TEIGH TERRACE) STW	106C	SK 8390 8550		SAA 714						Check, this may have been investigated by FRIT
STW DRESDEN STW	106C	SK 7379 9148		SAA 906						
STW NORTH BOWY STW	106D	SK 7452 8375		SAA 576						
STW MARION STW	106D	SK 7580 8030		SAA 722						
* STW MORTON WESTEND STW	106D/6242E	SK 7680 8490		DA3						
PF HATCHLANDS FISH FARM, BLUE ROSE, TOWNES	107A/P/1	SK 7155 6040	04/08/88	SAA 2062	5	20		1275/24hr		NO MEDICAL HAZARD TO FLORA OR FAUNA DOWNSTREAM OF THE OUTLET
PF DART VALE TROUT FARM, TUDORNEY MILL, TOWNES	107A/P/2	SK 8110 5440	14/09/90	NR-84-2075	DES					
STW HARBINGTON STW	107A	SK 7910 5600		DA 377						
STW JASHERINGTON STW	107A	SK 8148 5636		NR-84-2871						
STW JASHERINGTON STW	107A	SK 8148 5636		NR-84-2871						
STW JASHERINGTON STW	107A	SK 8148 5636		NR-84-2871						
STW KINGSMAR (HIGHER FERRY) STW	107A	SK 8820 5225		SAA 395						
STW DITTYSHAM STW	107A	SK 8640 5510		SAA 397						
STW HADWELL STW	107A	SK 7765 5345		SAA 447						
STW DITTYSHAM (MAIN) STW	107A	SK 8675 5480		SAA 630						
PF TORRAN FISH FM, TORRAN, TOWNES	107B/P/1	SK 8200 6600								
STW LANSBOWE (MERRY CROSS) STW	107B	SK 7615 6550		SAA 375						
STW LANSBOWE STW	107B	SK 7060 7228		SAA 381						
STW MERRY CROSS STW	107B	SK 7433 6158		SAA 382						
STW LANSBOWE STW	107B	SK 7835 6335		SAA 387						
STW LANSBOWE (GILLAROE) farm STW	107B	SK 7123 7280		SAA 422						
STW LANSBOWE STW	107B	SK 7750 6670		SAA 438						
STW LANSBOWE STW	107B	SK 7020 7385		SAA 575						
STW BROOKHURSTON STW	107B	SK 7981 6563		SAA 684						
* STW MIDDIE (IN-THE-MOOR)	107B	SK 7180 7660		NR-84-52	DES					
PF VALLEY SPRINGS TROUT FARM, SHEPHERD, KINGSBRIDGE	108A/P/1	SK 7920 4580								
STW ST AN'S CHAPEL STW	108A	SK 6655 4745		SAA 383						
STW KERRIBROUGH STW	108A	SK 7925 4115		SAA 445						
STW EAST KERRIBROUGH STW	108A	SK 7465 3890		SAA 449						
STW SHEPHERD STW	108A	SK 7780 4425		SAA 453						
?? EAST ALLINGTON (THE MOUNTS)	108A	SK 7610 4930		SAA 497						
STW COMETON STW	108A	SK 7535 4625		SAA 498						
STW HESON STW	108A	SK 8132 4115		SAA 500						

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

WQF#	DISCHARGE	U.R.N.	N.G.R.	DWE	FOLIO	SS	AM	VOL	% SAT	ADDITIONAL CONDITIONS
STW	KELLAM STW	108A	SX 8020 3895		SAA 510					
FF	THE MILL, GARA BRIDGE, NEWHOUSE FM, FISH FM	P08B/P/1	SX 7297 5365							
FF	NEW HOUSE FM & FISHERY MURLEIGH, TOWNES	P08B/P/2	SX 7400 5340							
FF	AULDERN FISH FARM LIDDSWELL	P08B/P/3	SX 7110 4980							
FF	THE LEFT NEW MILL LANE, LIDDSWELL	P08B/P/4	SX 7200 4790							
STW	WOLSTON STW	08B	SX 7165 4155		SAA 378					
STW	NORTH HUGH STW	08B	SX 7113 5623		SAA 380					
STW	CALIFORNIA CROSS STW	08B	SX 7070 5305		SAA 456					
STW	MURLEIGH STW	08B	SX 7400 4860		SAA 584					
FF	MILL LEFT TROUT FARM EMINGTON	P09B/P/2	SX 6425 5323							
FF	MURLEIGH TROUT FM NEWPORT, EMINGTON	P09B/P/3	SX 6415 5311							
TE	MURLEIGH TROUT FM NEWPORT, EMINGTON	P09B/P/5	SX 6340 5660 08/11/90	NRA-64-2322	50	50		68		
STW	FILHAM STW	09B	SX 6502 5622		SAA 2108					
SSO	EMINGTON (MURLEIGH LANE) SSO	110A	SX 5550 5190		NRA-64-1070					
SSO	SEARWELL STW - SSO	110A	SX 5810 5742		NRA-64-1536					
STW	MURLEIGH STW	111A	SX 5552 6148		SAA 699					
SSO	MURLEIGH STW (INLET TO WORKS) - SSO	112A	SX 4300 5820		NRA-64-1144					
STW	MURLEIGH CROSS STW	112B	SX 4871 6550		SAA 698					
FF	HIGHER LUMLEN FISH FARM	PLX/P/27	SX 4530 7430	#			2.7	800		SEE MURLEIGH TROUT FARM
FF	MURLEIGH TROUT FARM, LUMLEN	PLX/P/27	SX 4442 7490 17/10/88	SAA 2130	19	30	0.3	1138	80	NO BACTERIOCIDES, MALACHITE GREEN OR OTHER IRRADIABLE CHEMICALS DOWN
FF	ROSEN FARM FISH FARM TWISTOCK A OUTLET	PLX/P/32	SX 4930 7570 07/03/79	SAA 99	3	3	0.3	4550	80	
FF	ROSEN FARM FISH FARM TWISTOCK B OUTLET & MISC	PLX/P/33	SX 4930 7540 07/03/79	SAA 100	3	3	0.3	4550	80	
STW	MILL HILL STW	12C	SX 4536 7422		SAA 613					
STW	RENDON STW	12C	SX 4820 8116		SAA 717					
FF	EMLEIGH HATCHERY, MILTON ABBOT FISH FM	PLX/P/32	SX 3932 7831 05/11/80	SAA 150	3	3	0.3	1136/24hr	80	
FF	CRUSKIDE FISH FARM, LAMERTON	PLX/P/33	SX 4169 7537 16/05/88	SAA 105	5	5	0.7	500/24hr	60	
FF	HIGHER WOODLEY FISH FARM	PLX/P/33	SX 4169 7537	#						SEE CRUSKIDE FISH FARM, LAMERTON
STW	CHILSQUHRY STW	12E	SX 4175 7260		SAA 569					
STW	SIDENHAM DIVEREL STW	12E	SX 4060 7588		SAA 602					
STW	LATCHLEY STW	12E	SX 4083 7397		SAA 603					
STW	LAMERTON STW	12E	SX 3594 8243		SAA 696					
TE	AMERSON CREAMERY S T W - EFFLUENT	PLX/P/7	SX 3970 8490 21/04/81	15/47/51/P/7	45	85		34		NOTE: there is also a cooling water discharge - not in biological prog
STW	EMINGTON STW	12F	SX 5321 9025		SAA 663					
STW	EMINGTON STW	12F	SX 5086 8479		SAA 695					
FF	SOUTH REED FISHERIES, BANGLE CROSS, EMINGTON CLOV	PLX/P/1	SX 4970 9180							
STW	EMINGTON CLOVELLY STW	12G	SX 4648 9175		SAA 581					
STW	EAST KITCHAM STW	12G	SX 3821 8844		SAA 685					
STW	BROOKWOOD STW	12G	SX 4136 8884		SAA 706					

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

DISCHARGE	U.R.N.	N.G.R.	DATE	FOLIO	BD	SS	PM	VOL	% ST OF ADDITIONAL CONDITIONS
STW BARNLEY STW	12H	SX 4460 9494		SAA 396					
STW COLMAN CROSS STW	12H	SX 3965 8485		SAA 421					
STW HADWELL (HOLWELL PARK) STW	12H	SS 4376 0001		SAA 546					
STW ASHARDER (SOUTH) STW	12H	SX 3879 9519		SAA 585					
STW BOXTON STW	12J	SS 3282 9230		SAA 567					
STW CLAYTON STW	12K	SX 3534 9907		SAA 708					
STW CHILSACROFT (NORTH) STW	12K	SS 3290 0642		SAA 872					
STW CHILSACROFT (SOUTH) STW	12K	SS 3310 0584		SAA 873					
STW MINTHSTONE STW	12L	SX 2711 9786		SAA-84-1691					Investigated by PMT
STW MINTHSTONE STW	12L	SX 2711 9786		SAA 596					Investigated by PMT
STW NORTH TAMESIDE (WELL FARM) STW	12L	SX 3147 9737		SAA 660					
STW NORTH TAMESIDE (RACLOT HILL) S TW	12L	SX 3145 9763		SAA 661					
STW MURSTON STW	12M	SX 2082 9060		SAA 595					
STW VEDDERIDGE STW	12M	SX 3142 8733		SAA 710					
STW BELSLEY STW	12N	SX 2707 8630		SAA 600					
TE DAIRY CREST CREAMERY, DARTFORD	PL2P/P/5	SX 1580 8690	15/10/87	3052/6/120	DEE				
STW BARNHOL STW	12Q	SX 2840 7460		SAA 568					
STW TREMANT STW	12Q	SX 2192 8038		SAA 610					
STW CONDS GREEN STW	12Q	SX 2913 7698		SAA 693					
STW HEWOOD STW	12Q	SX 2673 7314		SAA 874					
STW MERRIMPT STW	12R	SX 2848 6224		SAA 571					
STW MINTONS STW	11A	SX 2611 7060		SAA 504					
STW CROMWELL STW	11A	SX 2640 6920		SAA 572					
FF RIVER VIDW FISH FARM, SANDLACE, LODGE	PL4B/P/2	SX 2490 5830	24/06/91	SAA-84-2893				189	60
FF SEASONS TROUT FARM	PL4B/P/3	SX 2447 5815							
STW TREMELAND STW	11B	SX 2510 5981		SAA 444					
STW TREMELAND STW	11C			115/48/173/P/7					
STW TREMELAND STW	11C	SX 2352 5734		SAA 457					
STW LAUREL HILLS STW	11A	SX 1460 5420		SAA 206					
FF HONEY SEA PRODUCTS LTD 42 GREEN LANE FISH FARM	PL15B/P/1	SX 1170 5420							
FF LANLIVER CWP, BROMLANDS, BROMLEY, FISH FARM	PL15B/P/2	SX 0790 5870							
FF COLLIFORD 'B' (HOLDING FN)	PL15B/P/18	SX 1800 7080	28/04/86	SAA 713	5		0.7	10,000	60
FF COLLIFORD 'A' (MAIN)	PL15B/P/21	SX 1800 7080	28/04/86	SAA 713	5		0.7	10,000	60
STW COMPTON STW	11D	SX 2381 6820		SAA 716					
STW CARDIFF STW	11E	SX 1195 6897		SAA 726					
STW MOUNT STW	11E	SX 1519 6759		SAA 729					

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

WATER	DISCHARGE	U.R.N.	N.G.R.	DATE	FOUR	DD	SS	AM	VL	% ST	ADDITIONAL CONDITIONS
FF	INNIS MOOR FISH FARM	P16A/P/56	SK 0360 5670								
STW	KORRAN CHEROKEE STW	18A	SK 0014 4241		SAA 741						
FF	GREEN MILL, TRESILLIAN, TULO	P19A/P/1	SW 8760 4730								
FF	GREEN MILL, TRESILLIAN, TULO. OUTLET B	P19A/P/2	SW 8760 4730								
STW	GREEN (BOYS) STW	19A	SW 7090 2652		SAA 725						
STW	RAVE STW	19E	SW 7234 7134		SAA 762						
FF	LOKER BROADBANK FISH FARM	P20A/P/16	SW 6740 3140								
FF	LOOM FISH FARM	P20A/P/21	SW 7060 3370								
FF	SANDWICH TROUT FARM	P21A/P/1	SW 4940 3780/28/01/88	SAA 1053	4	10	0.2	15545			NO BACTERIOIDES IN RIVER DOWNSTREAM OF DISCHARGE
FF	SANDWICH TROUT FARM	P21A/P/1	SW 4950 3770/28/01/88	SAA 1054	4	10	0.2	15910			NO BACTERIOIDES IN RIVER DOWNSTREAM OF DISCHARGE
FF	LITTLE ROSEBORO, GUAL, PENANCE	P21A/P/2	SW 4740 3200								
STW	DEWANE STW	21A	SW 4531 2875		SAA 583						
STW	DRIFT STW	21A	SW 4401 2872		SAA 702						
STW	POLEICA STW	22A	SW 3020 2389		SAA 727						
STW	PIREN STW	22A	SW 3929 2325		SAA 732						
STW	WANDOLAN STW	22B	SW 6352 3251		SAA 745						
FF	BOURNE COTT, TON, OMBRE	P23A/P/4	SW 6740 3430								
FF	ELLE HILLS TROUT FARM, TREVILLAS CMBE	P23A/P/5	SW 7280 5150/11/08/86	SAA 747	5	30	1	64/hr			
STW	ANTHONY CHEROKEE STW	23A	SW 5866 4157		SAA 721						
FF	TREVILLAS CHEROKEE FARM, NEWLEY	P24A/P/1	SW 8040 5980								
STW	PITCHELL STW	24A	SW 8590 5474		SAA 711						
FF	MEJANEY TROUT FARM, ST ESSEX, WADBRIDGE	P25A/P/49	SW 9230 7140/18/08/83	SAA 288	5		0.7	189	60		
FF	LOAR TRENGLE FISH FARM, ST BRICK, WADBRIDGE	P25A/P/3	SW 9660 7130/15/02/83	SAA 259	5		0.7	72	60		
FF	SUNSHINE FISH FARM	P25A/P/2	SK 0450 6780/18/05/83	SAA 269	5		0.7	372	60		
FF	LONG MEADS, LANVET	P25A/P/1	SK 0392 6512/23/07/86	SAA 746	5	10	#	386	60		pH > 7 AMM < 0.4, pH < 7 AMM < 0.7
FF	MEADVALE (SPRING)	P25A/P/49	SK 1100 8600								
FF	MEADVALE (THE U/S DISCHARGE)	P25A/P/50	SK 1100 8600								
FF	MEADVALE (THE D/S DISCHARGE)	P25A/P/51	SK 1100 8600								
STW	CHWELFORD STATION (COTTAGES) S TW	25B	SK 1039 8563		SAA 573						
STW	HELSAND STW	25B	SK 0981 7300		SAA 731						
STW	HELSAND STW	25D	SK 0868 8164		SAA 2111						
FF	WEST COUNTRY TROUT	P26A/P/16	SK 1220 9130/09/12/82	SAA 249	5		0.7	4546	60		
FF	TREVILLAS MOLA (ROCK VALLEY) FISH FARM, TUNDELL	P26A/P/19	SK 0720 8920/26/09/83	SAA 292	5		0.7	4546	60		
SSO	TRENDW - SSO	26A	SK 0540 8650		SAA 1620						
STW	TRENDW STW	26A	SK 1468 9157		SAA 750						

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

Discharge	U.R.N.	N.G.R.	DNE	FOLIO	BOD	SS	AMM	VOL	% SBT O	ADDITIONAL CONDITIONS
STW CROSSDALE STW	27A	SS 2071 1491	SSWA 443							
STW TRESKNICK CROSS STW	27A	SS 2064 9878	SSWA 592							
?? NOOLLEY	27A	SS 2534 1643	SSWA 597							
STW MOOFORD STW	27A	SS 2146 1344	SSWA 611							
STW STUBB STW	27A	SS 2242 1078	SSWA 662							
STW SHIP STW	27A	SS 2278 1466	SSWA 723							
STW KOOSEBURN STW	27A	SS 2272 1645	SSWA 724							
?? HARTLAND (BANKSIDE)	28A	SS 2827 2224	SSWA 433							
STW DAVE GREEN STW	28A	SS 3130 2333	SSWA 462							
?? HARTLAND (NFC CUT)	28A	SS 2797 2360	SSWA 465							
?? HARTLAND (ROSE DRAIN)	28A	SS 2780 2450	SSWA 466							
?? HALSELEY (FARM COUNCIL HOUSES)	29A	SS 4150 2143	SSWA 405							
ST HALSELEY SEPTIC TANK	29A	SS 5060 2300	SSWA 469							
STW MOOTOWN (OLD COUNCIL HOUSES) STW	29A	SS 4130 2360	SSWA 474							
?? BURNHILL HEAD (TOWER VIEW)	29A	SS 4143 1663	SSWA 479							
STW CLEVELANDS PARK	29A	SS 4835 2848	SSWA 481							
ST CAMPTON SEPTIC TANK	29A	SS 4905 2434	SSWA 520							
STW WESTLEIGH STW	29A	SS 4688 2894	SSWA 539							
STW NERVE GIFFORD STW	29A	SS 4720 2206	SSWA 542							
STW HORNS CROSS STW	29A	SS 3884 2321	SSWA 686							
TE MERION/MEETH COMBED U/S GREENWOOD	R29B009	SS 5500 1285								
TE MERION/MEETH COMBED D/S GREENWOOD	R29B030	SS 5515 1290								
TE MERION/MEETH COMBED D/S GREENWOOD	R29B031	SS 5510 1305								
TE MERION QUARRY, ORISHMONT	R29B018	SS 5649 9294 10/04/91	SSWA-9AR-2658							
TE MERION (MUTS, BLAKE & BEARE) U/S NDS	R29B015	SS 5030 1325								
TE MERION (MUTS, BLAKE & BEARE) NDS	R29B025	SS 5100 1270								
TE MERION (MUTS, BLAKE & BEARE) D/S NDS	R29B008	SS 5100 1235								
TE MERION (MUTS, BLAKE & BEARE) COLLET MOOR	R29B016	SS 5160 1180								
TE MERION (MUTS, BLAKE & BEARE) NDS	R29B026	SS 5265 1135								
TE MERION (ENGLISH CHINA CLAY) QUARRY U/S MEETH	R29B005	SS 5330 0840								
TE MERION (ENGLISH CHINA CLAY) QUARRY MEETH NDI	R29B022	SS 5330 0840								
TE MERION (ENGLISH CHINA CLAY) QUARRY WOLLADON NDI	R29B023	SS 5330 0840								
TE MERION (ENGLISH CHINA CLAY) QUARRY D/S NDI	R29B011	SS 5315 0885								
TE MERION (ENGLISH CHINA CLAY) QUARRY STOCKLEIGH NDI	R29B027	SS 5310 0890								
TE MERION (ENGLISH CHINA CLAY) QUARRY D/S NDI	R29B012	SS 5305 0950								
TE MERION (ENGLISH CHINA CLAY) QUARRY NDI	R29B029	SS 5305 0906								
TE MERION (ENGLISH CHINA CLAY) QUARRY D/S NDI	R29B013	SS 5260 1115								
TE DEEP MOOR TIP, TORRINGTON EAST	R29B019	SS 5235 2082								
STW ROBEROUGH STW	29B	SS 5750 1672	SSWA 415							
STW KINGSBOTT STW	29B	SS 5400 1797	SSWA 508							
STW LITTLE TORRINGTON STW	29B	SS 4943 1687	SSWA 514							
STW MONKLEIGH STW	29B	SS 4562 2045	SSWA 517							
STW MERION STW	29B	SS 5216 1139	SSWA 523							
STW REDROCKSTONE STW	29B	SS 5140 1015	SSWA 531							
STW BEYFORD STW	29B	SS 5536 1517	SSWA 564							

1/4/92 NR4-SW-2661 60 SS, 0.03 Zn, 0.005 Cu, 0.2 Al, 4 Pb, 0.02 Cd, 0

750

60

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTINE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

DISCHARGE	U.R.N.	N.G.R.	DATE	FOLIO	BD	SS	AM	VOL	% ST	ADDITIONAL CONDITIONS
STW PEDERS MARLAND STW	1298	SS 4775 13421		SAA 650						
FF THE GABLES, WINDFORD, HUNDELL, NR. HOLSAYTHORP	P29C/P/2	SS 4550 01101								
FF MILL LEFT FARM, HOLSAYTHORP	P29C/P/3	SS 4050 09401	14/07/82	SAA 202	5		0.7	14546/24hr	60	SEE MILL LEFT FARM, THORNBURG
FF WALTON FISH FM, THORNBURG, THORNBURG, HOLSAYTHORP	P29C/P/3	SS 4050 09401	#							
TE HITCHERLEIGH ABSTOIR AND CATTLE MARKET A	P29C/P/10A	SS 5303 04741	08/02/74	DPA 1565	5	10		1145/24hr		
TE HITCHERLEIGH ABSTOIR AND CATTLE MARKET B	P29C/P/10B	SS 5320 05011	"	"	"	"		"		
STW THORNBURG STW	Z9C	SS 4015 08081		SAA 436						
STW SHEPHERD STW	Z9C	SS 4835 05941		SAA 496						
STW MILTON DAVENEL (VENN GREEN) STW	Z9C	SS 3791 11121		SAA 512						
STW BLACK TORRINGTON STW	Z9C	SS 4695 06001		SAA 536						
STW WEST RUTFORD STW	Z9C	SS 3558 16101		SAA 552						
* STW NORWELW STW	Z9C	SS 5033 98901		SAA 590						
?? (SUTCOMBE MILL)	Z9C	SS 3464 11031		SAA 608						
STW BELLACKHAY (COURT VIEW) STW	Z9C	SS 3950 14301		SAA 639						
STW BRADFORD STW	Z9C	SS 4320 06201		SAA 641						
STW EXDORNE STW	Z9D	SS 6063 02001		SAA 403						
STW JACOBSTONE STW	Z9D	SS 5920 01701		SAA 407						
STW SANDFORD CHAPLE STW	Z9D	SS 6250 01891		SAA 418						
STW MONKTONHAMPTON STW	Z9D	SS 5826 05591		SAA 545						
STW HOLLY GATE STW	Z9D	SS 5725 98181		SAA 589						
FF BLANDFISH FISHRIES, MILDENFORD	P30A/P/1	SS 5662 35701	24/04/84	SAA 316	5		0.7	1711/24hr		
FF RIVERDON FISHRIES, RIVERDON, SANDHURD	P30A/P/2	SS 6372 29931								
FF VENN FISHRIES, NEWLAND LANEY	P30A/P/3	SS 6030 30601								
* TE PLANTON MILL, BARNSTABLE	P30A/P/6	SS 5670 37701								
STW VERDEC LTD, BRANTON	P30A/P/25	SS 4850 35301								
STW KNOMLE (BRANTON) STW	30A	SS 4920 38381		SAA 515						
STW ASHFORD (WENDENHILL) STW	30A	SS 5323 35151		SAA 643						
* STW KODLEIGH STW	30A	SS 5984 33951		SAA 490	DES					
STW WEST LEIGH STW										
STW MOOD HAN										
STW MENE GIFFORD										
STW BURTON STW	30B	SS 6350 16701		SAA 400						
?? BURTON (BALLS CORNER)	30B	SS 6390 16251		SAA 401						
STW BLESFORD (POLR WAYS) STW	30B	SS 6822 09971		SAA 402						
?? HOLLOMPE (BRUN CLOSE)	30B	SS 6287 11281		SAA 468						
?? HITCHERLEIGH (BARE GATE)	30B	SS 6024 23971		SAA 476						
STW CHERTON STW	30B	SS 6220 26151		SAA 480						
STW SIDW CROSS STW	30B	SS 5143 25771		SAA 495						
STW ABERDON STW	30B	SS 5938 23151		SAA 534						
STW VANSLOM STW	30B	SS 5587 23631		SAA 541						
STW ASHRETON STW	30B	SS 6207 13811		SAA 559						
STW LOWACOTT STW	30B	SS 5230 27231		SAA 561						
STW HOLLOMPE (NADN) STW	30B	SS 6355 11151		SAA 591						
STW RIDLEIGH STW	30B	SS 5680 13801		SAA 632						
STW ABERDON STW	30B	SS 5186 25041		SAA 649						

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

WATER	DISCHARGE	U.R.N.	N.G.R.	DATE	FOLIO	BOD	SS	AMH	VOL	% SET	ADDITIONAL CONDITIONS
TE	EXPRESS DAIRY FOODS LTD NORTH TOWN - TREATED EFFLUENT	P30C/P/6	SS 6550 0140	22/04/81	1544	15	25		45.45		10.25 anionic detergents NOTE: also a cooling water effluent here - no
STW	COLLIERIE STW	30C	SS 7020 0694		1544						
STW	NEW BUILDINGS STW (CREMATION)	30D	SS 7940 0350		1544						
STW	SPREXTON STW	30D	SS 6982 9757		1544						
STW	INDWELLAND STW	30D	SS 8412 1370		1544						
STW	DOWN ST WARY STW	30D	SS 7435 0400		1544						
STW	INDWELLAND VILLAGE STW - SEPTIC TANK	30E	SS 8260 2314		1544						
STW	INDWELLAND (EAST) STW	30E	SS 8355 2320		1544						
FF	EMOR TRAIT NORTH MILTON	P30F/P/1	SS 7430 2990		1544	3	30	0.3	1894	80	10.13 HOSHPRE, SCREENED TO PREVENT ESCAPE OF FISH, M, C
FF	HEAD MILL TROUT FARM, UBERLEIGH, N. DEXON	P30F/P/17	SS 6670 1810	16/01/89	1544						
FF	HEADWELL TROUT FARM, UBERLEIGH	P30F/P/17A	SS 6667 1798	?	1544						
STW	MOLLAND (EAST) STW	30F	SS 8060 2838		1544						
??	MOLLAND (WEST COUNCIL HOUSES)	30F	SS 8040 2830		1544						
??	KINGS NANTON (NORTH & WEST)	30F	SS 6793 1946		1544						
??	KINGS NANTON (SOUTH)	30F	SS 6849 1898		1544						
STW	GEORGE NANTON STW	30F	SS 7006 2284		1544						
STW	MESHW STW	30F	SS 7573 1961		1544						
STW	ALSWER NO. 1 STW	30F	SS 7240 2210		1544						
??	WEST ANSTY (VED MILL)	30F	SS 8415 2647		1544						
STW	NORTH BUCKLAND STW	30G	SS 6766 4358		1544						
STW	NORTH BUCKLAND STW	30G	SS 6580 3110		1544						
ST	BUCKLAND BREWER (WITCHEN HILL) SEPTIC TANK	30G	SS 3950 1890		1544						
STW	BRAYFORD STW	30G	SS 6840 3440		1544						
FF	BULLIDG FISH FARM, SNAPPER WEIR, COOLEIGH	P30H/P/1	SS 5840 3440		1544						
FF	SOUTHWOOD FARM, CHELSEA, BARNSTAPLE FISH FARM	P30H/P/2	SS 6330 3650		1544						
FF	ROE FARM, LORDE, BARNSTAPLE	P30H/P/3	SS 6176 3684		1544						
STW	HIGHWAY STW	30H	SS 6910 3420		1544						
??	KENTISLEY (HAYFIELD)	30H	SS 6142 4267		1544						
STW	SHIBWELL STW	30H	SS 5902 3688		1544						
STW	BRATTON FLEMING NEW - SOURCE OF SOURCE FROM STW	30H	SS 6420 3869		1544						
* STW	STOKE RIVERS STW	30H	SS 6303 3533		1544						
STW	KENTISLEY (BREMICK) STW	31A	SS 6440 4322		1544						
STW	CHALLACREE (BARTON GROVE) STW	31A	SS 6890 4120		1544						
??	BERKHAMPTON (BUDWELL)	31A	SS 5587 4687		1544						
??	BERKHAMPTON (WOOD PARK)	31A	SS 5575 4621		1544						
FF	LIN VALLEY TROUT FARM, MOLLAR LANE, BARNSTAPLE	P32A/P/1	SS 7010 4538		1544						
FF	LOWER COLEY TROUT FARM, BARNSTAPLE	P32A/P/2	SS 6390 4580		1544						
STW	MARTINE (WEST VIEW) STW	32A	SS 6635 4797		1544						

DEFINITIONS

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

The works listed below have been deleted from this version (Version 3) of the routine biological discharge monitoring programme, although they were included in previous versions of the programme (Version 2). They were deleted because their impact is being assessed by the Freshwater Investigation Team, most in their programme for priority rating STWs to be included in South West Water Services' capital improvement scheme.

Urgent	DISCHARGE	U.R.N.	N.G.R.	DATE	FOLIO	BOD	SS	AMM	VOL	% SAT O	ADDITIONAL CONDITIONS
	STW WILMINGTON STW	02B	ST 2170 0010		NRA-SW-2877						
	* STW DOWOOD STW	02D	SY 2510 9980		SWWA 485						LISTED BY N MORRIS AS IN CATCHMENT 2B
	STW WILMINGTON STW	02B	ST 2175 0014		NRA-SW-2877						
	STW GITTISHAM STW	04B	SY 1342 9887		NRA-SW-0408						
16	STW WHITESTONE STW	05A	SX 8701 9364		NRA-SW-0416						
	STW CHURCHINGFORD STW	04B	ST 2225 1255		SWWA 484						
	STW PLUMREE STW	05B	ST 0491 0279		NRA-SW-2874						
	STW PLUMREE STW	05B	ST 0452 0269		NRA-SW-2874						
	* STW DUNKESWELL STW	05C	ST 1485 0817		SWWA 516						
	STW CHURCHSTANTON STW	05C	ST 1923 1315		SWWA 527						
	STW SHOBROOKE STW	05J	SS 8710 0118		NRA-SW-2875						
	STW CROXTON STW	05K	SX 8475 9921		NRA-SW-2579						
	STW SHOBROOKE STW	05J	SS 8710 0118		NRA-SW-2875						
	STW PLUMREE STW	05B	ST 0491 0279		NRA-SW-2874						
	STW TEIGN VILLAGE STW	06C	SX 8480 8118		NRA-SW-2876						
	STW TEIGN VILLAGE STW	06C	SX 8481 8118		NRA-SW-2876						
	STW HARBERTON STW	07A	SX 7772 5832		NRA-SW-2873						
	STW RINGMORE STW	08A	SX 6466 4580		NRA-SW-0413						
	STW HARBERTON STW	07A	SX 7772 5830		NRA-SW-2873						
	STW CHURCHSTON STW	08A	SX 7162 4502		NRA-SW-2872						
	STW EAST FRANKLE STW	08A	SX 7835 5640		SWWA 448						
	STW BLACKWATER STW	08A	SX 8050 5040		SWWA 1138						
	STW BROWNSTON STW	09A	SX 6968 5280		SWWA 389						
	STW TEIGN VILLAGE STW	06C	SX 8480 8118		NRA-SW-2876						
	STW LUTTON STW	10B	SX 5984 5918		NRA-SW-0410						
	STW LEE MOOR STW	11A	SX 5728 6151		SWWA 692						
	STW DUNSTONE NO. 1 (UPPER) STW	10B	SX 5923 5152		SWWA 502						

Table 3.1 cont. Sewage treatment works discharges with descriptive consents, fish farms, and trade discharges to be covered in the routine biological discharge monitoring programme.

ROUTE BIOLOGICAL MONITORING OF DISCHARGES 1992 - VERSION 3

URGENT	DISCHARGE	U.R.N.	N.G.R.	DDE	FOLIO	ED	SS	AM	VL	% SAT	ADDITIONAL CONDITIONS
STW	WEDBELL STW	12B	SK 4720 6900		NRA-84-0417						
??	WILTON ABBOT	12E	SK 4025 7919		SWAA 612						
STW	BRIDGESTONE STW	12F	SK 5000 8926		NRA-84-0405						
??	WADWILL JUNCTION (SLIMESLEIGH)	12B	SK 4458 9958		SWAA 483						
STW	HOLDSBOROUGH STW DERTON ROAD HOLDSBOROUGH	12K	SS 3402 0322		NRA-84-2570						
STW	BRIDGEMERE STW	12L	SS 2717 0236		NRA-84-0406						
STW	ST MELLIN STW	12B	SK 3909 6538		SWAA 694						
STW	NORTH FIDEMAN STW	12M	SK 2939 8782		NRA-84-0419						
STW	NORTH HILL STW	12Q	SK 2700 7631		NRA-84-0418						
STW	EAST TANGLE STW	12B	SK 1841 6372		SWAA 730						
STW	ST DAE STW	18A	SK 9768 4550		SWAA 704						
STW	WANDLEVA STW	21A	SK 4972 3585		SWAA 429						
STW	WINDHOUSE CORNER STW	12M	SK 1816 9526		SWAA 593						
STW	DUNSTONE NO. 2 (LOWER) STW	10B	SK 5914 5155		SWAA 503						
STW	FOUNTSOCK STW	27A	SK 2058 9967		NRA-84-0412						
??	NEEK ST MARY	27A	SK 2372 9805		SWAA 709						
STW	LAUNCELLS (GRINSCOTT) STW	27A	SS 2598 0658		SWAA 876						
STW	PANARM STW	28A	SS 3935 2125		NRA-84-0420						
STW	SHEEPAR STW	29C	SS 4372 0913		NRA-84-0422						
STW	STUB CROSS STW	29C	SS 4246 1462		SWAA 439						
STW	HOLDSBOROUGH BENKIN STW	29C	SS 3515 0821		SWAA 566						
STW	SPAFFORD COUNTRY STW	29D	SS 6337 0116		NRA-84-0421						
STW	WEST IDAN STW	30A	SK 5050 4230		NRA-84-0423						
STW	MIDDLE MARWOOD STW	30A	SS 5370 3765		SWAA 524						
STW	WYNET ROWLAND STW	30C	SS 7146 0817		SWAA 557						
STW	NEEK ST MARY STW	27A	SK 2369 9808		NRA-84-2687						
STW	ZEAL MARSDEN STW	30D	SS 7526 0380		NRA-84-2878						
STW	PARRACOMBE STW	31A	SS 6646 4499		NRA-84-0411						
STW	BERRANBOR (MAIN) STW	31A	SS 5580 4665		SWAA 560						
STW	ZEAL MARSDEN STW	30D	SS 7526 0380		NRA-84-2878						
STW	JACOBSTONE (SOUTH PARK) STW	27A	SK 2024 9582		SWAA 2082						

3.3 Consented farm discharges

The discharges listed in Table 3.2 are those identified in Autumn 1991. This list is liable to change considerably, following a review that is being undertaken this year.

Table 3.2 Consented farm discharges identified in Autumn 1991

Catid Folio	Consented dis Site Address	Outlet NCR	Receiving Water
02B DRA 390	HORSHAM FARM FARMY OLLATON	SY 1960 9460	TRUB OF RIVER OLLY
02B DRA 871	NARFORD DAIRY OLLATON	SY 2580 9460	RIVER AVE
02B FDA 1187	TOLCIS FARM ANWINSER DEVON		RIVER VANTY
02C DRA 1309	FORCE GRACE FARM THORNTREE	ST 3660 0460	RIVER AVE
02C DRA 590	MAJOR FARM BLUSTOCK	ST 4210 0310	TRUB. OF TEMPLE BROOK
02C DRA 583	COLT FARM CLAPTON WEST CREMERE	ST 4160 0680	TRUB. OF RIVER AVE
02C DRA 637	TEMPLE FARM BLACKDAN BROWNDOR	ST 4010 0240	TEMPLE BROOK
02C DRA 649	HIGHFIELD FARM CHRD	ST 3430 0590	FORION BROOK TO AVE
02C DRA 682	STREET FARM WINSHAM	ST 3530 0710	FORION BROOK
02C DRA 703	BRIDGE FARM FORDE ABBEY	ST 3620 0570	RIVER AVE
02C DRA 789	HIGHER NEWHAM FARM HONWYNDS CR	ST 4170 0180	TRUB OF TEMPLE BROOK
02C DRA 764	HENLEY MAJOR FARM (SENGERLOUGH UNIT) CREMERE	ST 4390 0770	TRUB OF RIVER AVE
02C FDA 2244	HELDITCH FARM HOLLITCH SOUTH CHRD SOMERSET		UNNAMED TRUB. OF RIVER AVE
02C FDA 1580	LOWER FARM RUTINGTON CHRD SOMERSET		UNNAMED TRUB. OF RIVER AVE
02C FDA 1492	MILDWAY FARM ALSTON ANWINSER DEVON		TIE KIT
02C FDA 1370	NORTH BLACKFARM FARM BEWINSER CORSET		RIVER AVE
02C DRA 790	MULLIN FARM WINSHAM	ST 3850 0550	RIVER AVE
02C DRA 683	HILLSIDE FARM SENGROUGH	ST 4300 0620	RIVER AVE
02C DRA 665	NORTH DUNSFORD FARM BEWINSER	ST 4620 0420	RIVER AVE
02C DRA 640	MIDWELL FARM WINSHAM	ST 3890 0750	TRUB. OF RIVER EDWEX
02D DRA 1007	HIGHER WESTWATER FARM ANWINSER	SY 2750 9990	RIVER VANTY
02D FDA 1510	MOUNT BURGANT FARM STOCKLAND HONTON DEVON		UNNAMED TRUB. OF THE RIVER AVE
02D FDA 1270	RUILL FARM STOCKLAND HONTON DE VON		CORRIES TREN
02D DRA 1492	LIVERNES FARM VANDOME	ST 2390 0740	TRUB. OF RIVER VANTY
02D DRA 980	HORSHAMES SPALLHOLDING STOCKLAND	ST 2310 0440	TRUB. OF RIVER VANTY
03A FDA 1310	SPURDS FARM NORTHPOSTON NR SI DOUTH DEVON		RIVER OTTER
04A FDA 1072	RULAVES FARM EAST BULEIGH BU DLEIGH SAUNDERTON DEVON		BULEIGH BROOK
04A FDA 1666	NERSLANE FARM YETTINGTON BULEIGH SAUNDERTON DEVON		YETTINGTON BROOK
04B DRA 1258	HIGHER THERE FARM OTTERY ST M ARY	SY 0880 9540	RIVER OTTER
04B DRA 359	PITT FARM FAIRMILE OTTERY ST M ARY DEVON	SY 0890 9660	RIVER TALE
04B FDA 2260	HUGGINSHAMS FARM UROTTERY HONTON DEVON		UNNAMED STREAM
04B FDA 2251	HELMSEIGH FARM MONTON HONTON DEVON		TRUB. OF RIVER OTTER
04B FDA 2222	HIGHER NORTHOTE MONTON HONTON DEVON		UNNAMED TRUB. OF RIVER OTTER
04B FDA 2125	HOLCOMBE BARTON OTTERY ST MARY DEVON	ST 1800 0170	UNNAMED STREAM
04B FDA 2021	ELLIOTTS FARM VENN OTTERY OTTE RY ST MARY DEVON		VENN OTTERY BROOK
04B FDA 1807	WADHAMS FARM AULSOMBE HONTON DEVON		TRUB. OF THE RIVER OTTER
04B DRA 977	LOWER WOLSTON FARM WIGGTON OTTERY ST MARY	SY 0970 9370	RIVER OTTER
04B DRA 969	TIPTON ROLLER MILLS FARM TIPTON ST JOHS OTTERY ST MARY	SY 0930 9240	RIVER OTTER
04B FDA 2954	WEEKS FARM TALATON DEVON	ST 0680 9950	UNNAMED TRUB. OF THE RIVER OTTER
04B FDA 2655	CARRY OTTERY ST MARY DEVON	SY 0930 9590	RIVER OTTER
04B FDA 2621	BLACKSHAMS FARM UROTTERY HONTON DEVON		RIVER OTTER
992 FDA 2474	APLINS FARM MONTON NR HONTON DEVON		RIVER OTTER
04B FDA 2458	ALLER FARM AULSOMBE HONTON DEVON		ALLER STREAM TO RIVER OTTER
04B FDA 2302	WODFORD HONTON OTTERY ST MARY DEVON	SY 1030 9690	UNNAMED STREAM TO RIVER OTTER
05A DRA 1101	DEBSTONE BARTON FARM DINGHEDD OK EEDER DEVON	SK 8780 8840	RIVER KENN
05A FDA 2155	HUNTON FARM NIDDERWATER EEDER (DEVON C C SPALLHOLDING)		ALPHIN BROOK - TRUB. OF RIVER EDE
05A DRA 996	LOWER HOLCOMBE FARM HOLCOMBE DRAVISH	SK 9580 7470	STREAM TO SEA

Table 3.2 cont Consented farm discharges identified in Autumn 1991

Consented dis	Site Address	Outlet NGR	Receiving Water
05A	WIDDON FARM IIE	SK 8870 8950	TUB OF ALPHIN BROOK
05B	HAIN MILL FARM CLAVHIN CILL OPTON DEVON.	SY 0340 0150	RIVER CLYST
05B	KILLETTON BROADCLIST EXETER DE VON		RIVER ORANN
05B	WISFORD FARM BROADCLIST EXETER DEVON		THE ORANN, TRIB. OF RIVER CLYST
05B	TILLHOUSE FARM BROADCLIST (1)	SY 0090 9570	TUB OF RIVER CLYST
05C	WOOD BARTON FARM KENTISBERE	ST 0560 0880	TUB. OF RIVER CLYM
05C	HATCHERY (THE) COBLE KENTISBERE	ST 0706 1023	PARCEA FORD, A TRIBUTARY OF THE RIVER C ULM
05C	WITHEBETH FIELD BRAUNING EXE TER DEVON		NEVER RIVER
05C	WESTONME FARM CLIMHEAD NR TAINION STOWSET	ST 0130 0430	RIVER CLYM
05C	CHAMBERNAIS FARM BRAUNING DEVON	ST 1360 1200	UNNAMED TRIB. OF RIVER CLYM
05C	WIMBOR FARM HEMOCK CULLOFTON DEVON	SS 9540 0040	MILL LEAT, TRIB. OF RIVER CLYM
05C	HEACILLE BARTON FARM NR EXETER DEVON		UNNAMED STREAM - MINOR TRIB OF RIVER CLYM
05C	CATTLE YARD & SURROUNDING BUIL DINGS AT VERDEER MAVER WILLAND		
05C	OWNER OCCUPIER		
05C	INNER MARSH FARM CLYST HADIN C ULLOFTON DEVON		STOWFORD WATER
05C	LEYNARD FARM CULLOFTON DEVON		RIVER CLYST
05C	FRIMERS CLAVHIN CULLOFTON		NAME OF STREAM NOT KNOWN
05C	NEACULT BARTON FARM CULLOFTON N	SS 9980 0460	RIVER CLYM
05C	NEALAND CULLOFTON DEVON		RIVER CLYM
05D	WEST FARLEIGH FARM CADELEIGH T IVERTON DEVON		UNNAMED STREAM TO RIVER EXE
05E	CASTLE FARM HUNTERHAM	SS 9900 1810	TUB. OF RIVER LOMMAN
05E	FORD BARTON FARM STODOLLEIGH TIVERTON DEVON.	SS 9132 1822	FARMHOUSE WATER RIVER EXE
05E	CHETTISCOMBE FARM CHETTISCOMBE NR TIVERTON		TOWN LEAT - TO RIVER LOMMAN
05E	LOWER FARLEIGH FARM TIVERTON DEVON		SPALL STREAM OFF RIVER SAUNE
05E	ROCKEN FARM SHEBBEAR NR TIVERT ON DEVON		UNNAMED STREAM
05G	ROCKS FARM EXFORD EXETER DEVON	SS 8740 3870	TUB OF LARCOMBE BROOK
05G	WINDYCOMBE FARM WINDSFORD MOREHEAD STOWSET		RIVER WDM
05G	CLOFT FARM EXFORD MOREHEAD SOM ESET		RIVER EXE
05J	FORDON BARTON CREDITON DEVON		RIVER YED
05J	FENNELICK FARM PELANT LOCE CO RIVALL		UNNAMED TRIB OF POLPERRO RIVER
05J	LONG BARN CREDITON DEVON		RIVER CREDIT
05J	YELLAND BARN CREDITON DEVON		UNNAMED STREAM INTO RIVER CREDIT
05J	WOLLAND FARM CREDITON FITZPATRICK CREDITON DEVON		TUB. OF RIVER ORANT, RIVER EXE
05J	HONE FARM NEWTON ST CUPES NR E XETER DEVON		TUB OF RIVER CREDIT
06B	CLOUGHARD UNDERGRAVES AND WELL FA RM IDEFORD	SK 8780 7710	TUB OF RIVER TEIGN
06B	NARWOCHE FARM ILLSTON NEWTON ABBOT DEVON	SK 7870 7670	UNNAMED TRIB. OF RIVER TEIGN
06C	WOODMANES FARM LONGCUMBY EXETER DEVON	SK 8440 9140	TUB OF RIVER TEIGN
06C	EASTON HILL FARM DINGFORD	SK 8480 8840	TUB OF RIVER TEIGN
06C	ROSLAND FARM DINGFORD	SK 8370 8960	TUB OF RIVER TEIGN
06C	WESTONME BARTON FARM TRILSHAM	SK 8460 8170	TUB. OF RIVER TEIGN
06D	UPPACOTT FARM MORETONHAMSTED DEVON		TUB OF WHIDDON PARK STREAM

Table 3.2 cont Consented farm discharges identified in Autumn 1991

CatId Folio	Consented dis Site Address	Outlet NCR	Receiving Water
07A 1235	HIGHER YETTON FARM ASHERTON	SK 8090 5630	HARDURE RIVER
07A 2328	VALENTIN FARM FAUGHTON DEVON	SK 8640 5900	RIVER DART
07A 2298	WOOLLEY FARM DARTMOUTH DEVON		BLACKTOL STREAM
07A 884	GERSTON FARM TOWNES DEVON	SK 7930 5920	TRUB OF RIVER DART
07A 848	PANFIELD ASHERTON	SK 7650 6830	TRUB OF RIVER HENS
07B 1114	ANCHERTON FARM RUSKIDOLE	SK 6400 7910	EAST DART RIVER
07B 1432	PTITLEY FARM ASHERTON DEVON	SK 7670 7020	TRUB. OF RIVER ASHERTON
07B 1139	TIDWELL FARM LANDSTONE	SK 7720 6630	TRUB OF RIVER DART
08A 1386	WOOLSTON FARM LODDISWELL	SK 7180 5030	TRUB OF RIVER ACON
08A 2208	HIGHER FICE STREETE NR DARTMOUTH DEVON	SK 8320 4820	TRUB. OF RIVER GARA
08A 1587	LOWER HUTCHERLEIGH BLACKMONT TOWNES DEVON	SK 7850 5040	4 INCH PIPE FROM SHIPPON TO FORD AND 4 I
08A 2211	HIGHER HECHFIELD EAST ALINGTON TOWNES DEVON	SK 7950 4760	NCH PIPE F
08B 1292	KERRY DOWNS FARM ACONWICK	SK 7030 5880	TRUB. OF SLAPTON STREAM
08B 304	STANTON FARM LODDISWELL KINGSB RIDGE	SK 7059 5059	RIVER ACON
08B 2955	WEEKS HORSEBROOK FARM ACONWICK S BENT DEVON	SK 7080 5870	KNAPP MILL STREAM RIVER ACON
08A 759	TREHELE FARM MOBBLEY	SK 6710 5120	TRUB. OF RIVER ACON
09B 1240	WIDELESS FARM UGDOROUGH IVYER IDE DEVON	SK 6570 5540	TRUB OF RIVER ERNE
09B 512	HITCHEDMEE LEE MILL IVYERIDGE DEVON		UNWED STREAM INTO LEE MILL LEAT
12A 15/47/15/R/22	TREHAN FARM SAUNDISH	SK 4040 5790	TRUB. OF RIVER LAMER
12A 15/47/15/R/25	HOLE FARM SAUNDISH	SK 4170 6030	TRUB OF RIVER THWR
12E 309	WALMUNDING LANCASTON CORNWALL		VALENCY
12E 329	SOUTH PERRINON LANCASTON COR NWALL		UNWED TRUB OF RIVER INEX
12E 366	HOLLISTE TUBURLEY LEZANT LAINE ESTON CORNWALL		UNWED TRUB OF RIVER INY
12E 376	NEWMON FARM LANCASTON CORNWALL L		UNWED
12E 363	GLEBE FARM LEZANT LANCASTON C CORNWALL		UNWED STREAM
12H 15	HOLE FARM ASHWDER BEWORTHY D EVON		RIVER OREY
12H 365	HOLE BARTON BELGERRY LAUNCES TEN CORNWALL		OTHER
12J 15/47/9/R/3	WEST PANDON FARM ST GILES LANCASTON	SK 3460 9130	TRUB. OF RIVER THWR
12J 110	BENWACOTT FARM DARTON LANCAST ON		TRUB OF RIVER THWR
12K 1527	LANE BARTON NEMION ST FERROCK HOLSAKRETH DEVON		OKFORD STREAM, DRAINING TO RIVER TORRIDGE
12K 82	GLEBE FARM HOLLACOME HOLSAKRETH HY DEVON		E
12K 62	WATERLOO HOLSAKRETH DEVON		RIVER CLAW
12K 85	EAST YOLLLEN CHULSAKRETH HOLSAKRETH DEVON		TRUB OF THE RIVER DEER
12L 60	LAVA PANDASKEEN HOLSAKRETH DE VEN		DEER
12M 157	COLLAUOTT VEDMERIDGE LANCAST ON CORNWALL		WEEK STONE RIVER
12M 345	TREDAV VILLA HOLSAKRETH NR CA MELFORD CORNWALL		TRUB OF RIVER OTHER
12M 378	NECHUPQUES FARM ST STEPHENS L LANCASTON CORNWALL		TRUB OF RIVER THWR
			KENSEY

Table 3.2 cont Consented farm discharges identified in Autumn 1991

Consented dis Site Address	CatId Folio	Outlet NCR	Receiving Water
TREGLASTA ST CLEDER	15/47/12/P/15	SK 1812 8628	TRUB. OF RIVER INW
TREMANA WALL LEARNICK	15/47/12/P/9	SK 2655 8029	TRUB. IF RIVER INW
THE GROVE HILLA MILL COLLINGTON	15/47/14/P/17	SK 3590 6990	TRUB. OF RIVER LINNER
LEY FARM	15/47/14/P/5	SK 3880 6420	UNWED STREAM
ST GIMBLE ST CLEDER LLESEARD CD RNWALL	FDA 266		MOOR FORD
IRVING LITTLE TREHEW LLESEARD CORNWALL	FDA 417		UNWED TRUB. OF SEASON RIVER
NORTH MICHARNICK PELANT LODGE CORNWALL	FDA 475		UNWED TRUB
CATTLE FARM	ORA 44		UNWED TRUB FOWEY ESTUARY
PERRELLY LODGE CORNWALL	FDA 476		UNWED TRUB OF BLITTE WATER
TREKAYS (FARM BUILDINGS)	15/48/174/P/8		UNWED TRUB RIVER LERRAN
TREKAYS ST WINDOW	15/48/174/P/8	SK 1240 5790	TRUB. OF RIVER LERRAN
RESTORVEL FARM NO 2	FDA 294		RIVER FOWEY
COTTE FARM	15/48/193/P/5	SW 9960 5180	TRUB OF ST ALSEHILL (WHITE) RIVER
TREWANCE FARM MILLION	15/48/231/P/1	SW 6750 1845	UNWED STREAM TO MILLION COVE
GABONS NURSER	SWA 801	SW 7830 3520	SONGWAY
TOLVERNE BAYTON HILLETCH TRURO O CORNWALL	FDA 931		UNWED
BOSWORTH FARM MANNEN SMITH FAL MOUTH CORNWALL	FDA 38		UNWED
NESTLE BAYTON MANNEN HELSTON CORNWALL	FDA 35		HELFOOD WOODS
TREHUSSEN FARM MILLION HELSTON ON CORNWALL	FDA 125		UNWED
CLAPHAM GREEN MILLION NR HELSTON ON CORNWALL	FDA 119		UNWED
CHURCHTON FARM MILLER FALMOUTH CORNWALL	3052/4/88	SW 8235 3521	MOTOR CREEK
TREHARDE FARM DISGARE TRURO CORNWALL	FDA 829		UNWED
NORTH DOANS FARM ST CLEMENTS T RUD CORNWALL	FDA 932		UNWED TRUB OF RIVER ALLEN
MILLION KEN TRURO CORNWALL	FDA 938		KENALL STREAM
PERDICE FARM INDIAN QUEENS ST COLLING CORNWALL	15/48/20/P/11	SW 9510 5880	TRUB. OF RIVER FAL
TREBEGH LADOCK TRURO CORNWALL	FDA 995		LADOCK RIVER
PERDOLL FARM TREBON	FDA 981		UNWED TRUB OF THE RIVER FAL
TREVISSTON VERN ST ERNE TRURO	15/48/21/P/2		
WANCARROW MARZANCOSE	15/48/21/P/3		TRUB. OF TREVALLAS STREAM
TREJOVA FARM PROBLE TRURO COR NWALL	FDA 958	SW 8010 5030	TRUB OF RIVER ALLEN
FENTUNADOCK LADOCK TRURO CORNWALL	FDA 940		UNWED
			LADOCK RIVER
BOULLON VEUR NEARHIDE FENZAN CE CORNWALL	FDA 789		TRUB OF RIVER
BOSWORTH ST BLIGN FENZAN C CORNWALL	FDA 898		UNWED
MILLVALE FARM BRIGLICE FENZAN E CORNWALL	FDA 788		UNWED
TREVEY FARM ZENVER ST TUES COR NWALL	FDA 878		ZENVER STREAM
TREWANTON SIMPERCOURT NEWQUAY	15/49/27/P/2	SW 8820 5725	TRUB. OF CRANTOCK RIVER
6 TREBRICE NEALIN EAST CORNWALL	FDA 945		UNWED INTO CANAL
TREWANTON FARM FORT ISSAC CORNWALL	15/49/29/P/1	SK 0157 8058	TRUB. OF FORTGWARENE STREAM

Table 3.2 cont Consented farm discharges identified in Autumn 1991

Outlet Folio	Consented dis Site Address	Outlet NGR	Receiving Water
25A FTA 540	TRENTON FARM BRISTOW		TRENTON MILL LEAT
25A FTA 798	ROSEBOW ST MINVER WATERBURY CORNWALL		UNNAMED
25B L5/49/281/P/28	KLIGHOR FARM ADVENT CAMELFORD		TRIB. OF RIVER CAMEL
25B FTA 314	ST LEBNARD CAMELFORD CORNWALL		TRIB TO CAMEL
25B FTA 341	WIDLAND FARM PENNAPLE ST BR EDWARD EDWIN CORNWALL		TRIB OF RIVER CAMEL
25B FTA 803	LOWER AMBLE WATERBURY CORNWALL L		AMBLE RIVER
25B FTA 273	HIGHER WOODLEY NR EDWIN CORNWALL		NOT KNOWN
25B FTA 275	HUSTON FARM BURFAN		HUSTON STREAM
25D CRA 1K	KELINGHAM FARM LAWELLEN ESTERIE ST TUD. CONSTRUCTION OF A N E W OUTLET		UNNAMED STREAM
26A S44A 1074	TREVELLE CRACKINGTON HAVEN BLD E CORNWALL	SK 1339 9510	SONOWAY
27A FTA 699	COLES THURON KILHAMPTON BLADE CORNWALL		TRIB. OF RIVER TAVAR
28A CRA 491	WELSFORD FARM HARTLAND	SS 2720 2190	TRIB OF LAKE BROOK
28A CRA 495	WELSFORD FARM HARTLAND	SS 2720 2190	TRIB OF LAKE BROOK
28A CRA 528	WALLAND FARM BUCKS CROSS BIDEF ORD DEVON	SS 3530 2260	RIVER VED (BIDEFORD)
29A CRA 1084	LITTLE CORWOOD FARM BLENLAND B REAR BIDEFORD DEVON	SS 4110 2020	TRIB OF RIVER DINTZ
29A CRA 628	BOWEN FARM BIDEFORD	SS 4430 2540	TRIB. OF RIVER TORRIDE
29B CRA 1085	SOUTHOTT FARM FROTHELSTOCK TO RIVINGTON DEVON	SS 4480 1660	TRIB OF LAVERDEE LAKE
29B CRA 1136	LOWER CULLEIGH FARM MANKLEIGH FROTHELSTOCK BIDEFORD	SS 4520 1990	TRIB OF RIVER TORRIDE
29B CRA 1278	EAST STIBB FARM LAVERDEE	SS 4270 1520	RIVER DINTZ
29C CRA 693	LEDDIT FARM SUTCOMBE	SS 3510 1150	TRIB. OF RIVER WALTON
29C CRA 761	HEVEDOTT FARM BRANFORD	SS 4190 0870	RIVER WALTON
29C CRA 745	BACON FARM BRANFORD	SS 4140 0750	TRIB OF RIVER WALTON
29C CRA 787	HIGHER KENZELAND FARM BRANDES CORNER HILSBOROUGH	SS 4120 0490	TRIB OF RIVER WALTON
29C CRA 893	GRILANDS FARM HIGHAMPTON	SS 4860 0450	TRIB OF RIVER TORRIDE
29C CRA 899	HOLE FARM BEWORTH DEVON	SK 4600 9850	RIVER LEW (TORRIDE)
29C CRA 920	STOCKLEIGH FARM HIGHAMPTON	SS 5100 0470	TRIB. OF RIVER LEW (TORRIDE)
29C CRA 967	VENNOUT FARM NEWTON ST FETROCK	SS 4090 1310	RIVER TORRIDE
29C CRA 971	TOWAN BARTON FARM HIGHAMPTON	SS 4890 0470	TRIB OF RIVER LEW (TORRIDE)
29C FTA 2648	BUTTEROCK MILLION DOWEL HILLS WORTH DEVON		RIVER WALTON
29C FTA 2490	BAILES FARM PROCHOTT BEWORTH H DEVON		TORRIDE
29C FTA 1669	KINGSLEY OUTRAGE BLACK TORRINGTON BEWORTH DEVON	SS 4690 0580	UNNAMED TRIB. OF THE RIVER TORRIDE
29C FTA 1554	LONG CROSS BLACK TORRINGTON BEWORTH DEVON	SS 4660 0520	VIA A SPALL STREAM TO THE RIVER TORRIDE
29C FTA 1181	THE MILL SUTCOMBE HILSBOROUGH DEVON		RIVER WALTON
29C CRA 917	EAST LUDGOTT FARM HIGHAMPTON	SS 4880 0340	TRIB. OF RIVER LEW (TORRIDE)
29C CRA 894	CORWIN FARM WOLLSERY BIDEFORD DEVON	SS 2900 1980	SIXINGTON WATER
29C CRA 806	LASHROCK FARM BRANFORD	SS 4300 0560	TRIB OF RIVER TORRIDE
29C FTA 72	GEARNS FARM HILSBOROUGH DEVON		TRIB OF RIVER TAVAR
29C FTA 2670	GRUTE FARM SHEEHAN BEWORTH DEVON	SS 4130 1070	UNNAMED TRIB. OF RIVER TORRIDE
29D FTA 1283	SESSCOTT HILL FARM WEST RUFO RD HILSBOROUGH DEVON		RIVER TORRIDE
30A FTA 1418	PALLIS TERNENT HARFORD LAUNCEY BRANSTABLE DEVON		NOT KNOWN
30A FTA 2165	HARFORD BARTON LAUNCEY NR BRANSTABLE DEVON		HARFORD STREAM

Table 3.2 cont Consented farm discharges identified in Autumn 1991

Cat'd Folio	Consented dis Site Address	Outlet Nbr	Receiving Water
30B FDA 2529	BELLE VIE VARSOMME BARSTABLE E DEVON		TUB OF RIVER TORRIDGE
30D DRA 1177	WESTWAY FARM WITHERIDGE	SS 8200 1350	RIVER DULCH
30D DRA 1191	CLINTON FARM BLACK DOG CREDIT ON	SS 7800 1080	RIVER DULCH
30E DRA 1146	WELLHURVES FARM ROCKENFORD	SS 8150 1920	STURCOMBE RIVER
30E DRA 1221	HAISE FARM EAST WOLINGTON	SS 7710 1200	LITTLE DART RIVER
30F DRA 1222	GREAT WHITESIDE FARM MESHEW	SS 7750 1890	TUB OF LITTLE SILVER STREAM
30F DRA 1244	LOWER RADLEY FARM BISHOPS HAMPTON SOUTH MOLTON DEVON	SS 7380 2300	CROOKED OAK STREAM
30F DRA 1373	CWSEY MEENE FARM SOUTH MOLTON N	SS 6770 2270	RIVER MOLE
30F DRA 1274	ALLER FARM BISHOPS HAMPTON SOUTH MOLTON DEVON	SS 7620 2560	TUB OF RIVER YED (MOLLAND)
30F FDA 1360	NETHER WOODHUN EAST ANDEY N R TIVERTON DEVON		SONGWAY
30F DRA 1245	PARK FARM BISHOPS HAMPTON	SS 7500 2330	CROOKED OAK STREAM
30G DRA 1505	NORTH ALLER FARM SOUTH MOLTON	SS 6960 2820	RIVER BRAY
30G DRA 325	KNOWSLADE FILLINGH	SS 6759 2880	TUB OF RIVER BRAY
30G FDA 3026	WENTLANDS SOUTH MOLTON DEVON	SS 7080 2940	TUB OF INFIELD WATER
30G DRA 1555	BARSTABLE LODGE FILLINGH	SS 6610 2860	TUB. OF RIVER BRAY

4 EXPLANATION OF SCHEDULE

4.1 Table 3.1

Definition of columns

URGENT	=	Discharges requiring urgent investigation (in 1992)- these are marked by an asterisk. FF = fish farm discharge STW = Sewage Treatment Works discharge ST = Sewage Treatment discharge (may be the same as STW) SSO = Storm Sewage Overflow ?? = type of discharge unknown
DISCHARGE	=	Name and location of discharge
URN	=	User Reference Number, NRA identifying code for the discharge. The first pair of numerals relate to the catchment, the letter following these numerals relates to the sub-catchment.
NGR	=	Ordnance Survey National Grid Reference of the discharge
FOLIO	=	file number for the consent to discharge
BOD	=	numerical consent conditions: biochemical oxygen demand
SS	=	numerical consent conditions: suspended solids
AMM	=	numerical consent conditions: ammonia
VOL	=	numerical consent conditions: volume of discharge
% SAT O	=	numerical consent conditions: percentage saturation of oxygen

4.2 Table 3.2

Definition of columns

Cat Id	=	Catchment number
Folio	=	file number for the consent to discharge
Outlet NGR	=	Ordnance Survey National Grid Reference of the discharge

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