

RIVER EXE

CATCHMENT ACTION PLAN



NRA

*National Rivers Authority
South West Region*

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C O N T E N T S

MAP OF NRA SW REGION SHOWING TARGET CATCHMENT

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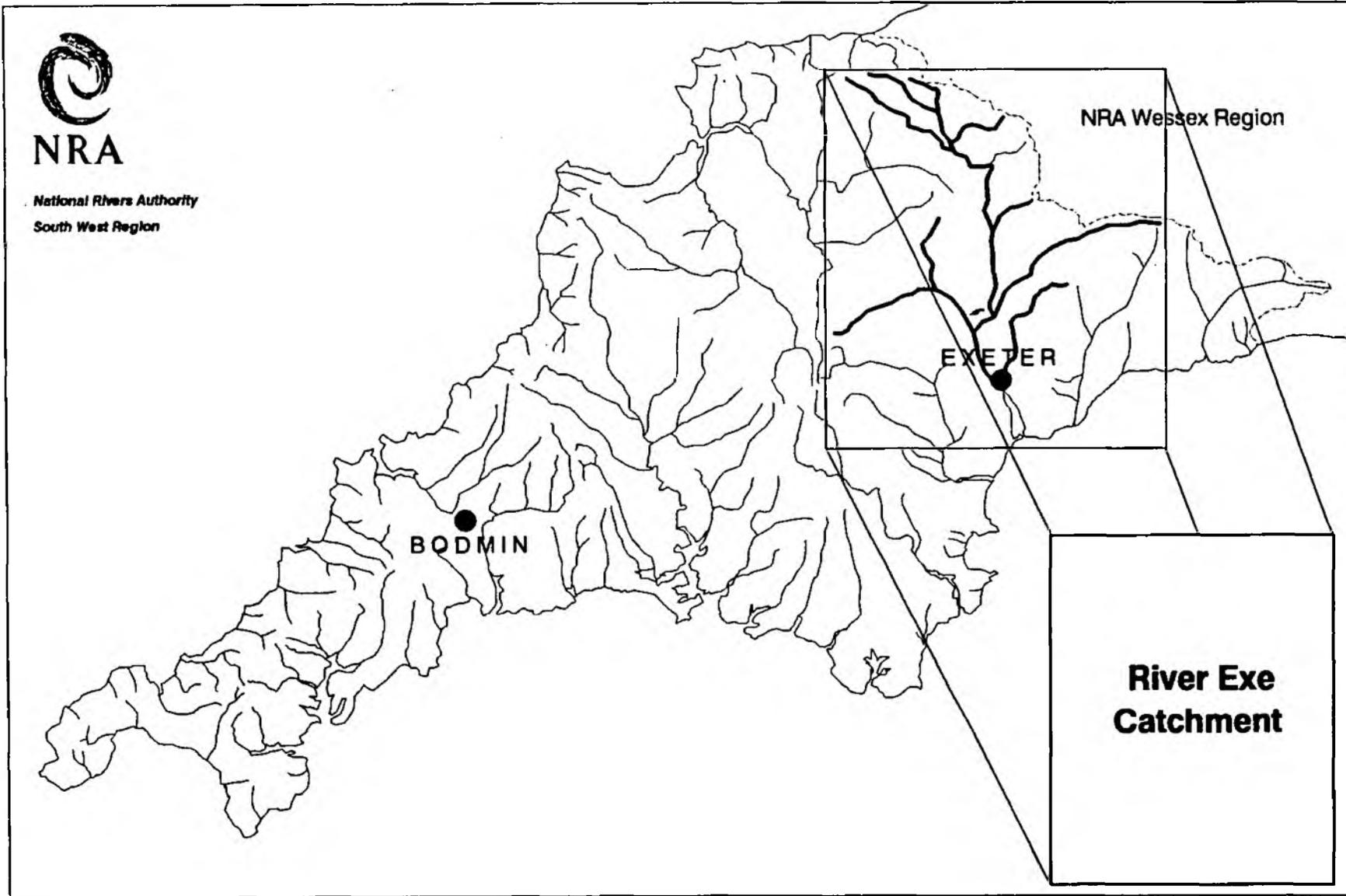


National Rivers Authority South West Region



NRA

National Rivers Authority
South West Region



River Exe Catchment

NRA Wessex Region

EXETER

BODMIN

**River Exe
Catchment**

1. INTRODUCTION

CATCHMENT ACTION PLANS are designed to be a simple, practical means of directing resources to achieve environmental improvements on a priority basis, between and within catchments. They set out the essential routine tasks, and a five year programme of specific actions for each catchment to meet regional and national targets. Changes may occur where unplanned work such as an extreme drought requires priority.

The NRA has inherited a legacy of environmental challenges arising from the use and abuse of our natural resources. Although significant progress has already been made it will be many years before all the work needed can be assessed, funded and carried out.

To achieve the environmental objectives will require not just the clear, vigorous direction of the NRA towards priority work but the help and support of the whole community.

The NRA has consulted with the Regional Advisory Board and Advisory Committees and the local interests about the draft action plans and the format is the outcome of those discussions.

Progress to achieve the Action Plan objectives will normally be reviewed on an annual basis but more frequently where severe problems have been identified.

2. ROUTINE SERVICES

Despite the fact that the NRA is largely a reactive, regulatory body it is possible to plan for much of the environmental protection work even the fact that unpredictable events will occur!

Much of the routine workload such as monitoring, enforcement of statutes and dealing with pollution and flooding incidents needs to have clear priority to ensure that it is dealt with to satisfactory standards throughout the region.

This essential work is carried out according to need in all catchments.

The NRA SW handles over 3000 pollution incidents a year, the majority of which are reported by members of the public. Many are attended within minutes and most within a few hours. In some cases major operations are undertaken to control the pollution and minimise impact on the environment.

Several thousand routine inspections of industrial premises, farms, weirs, fish passes and treatment works are also undertaken. In many cases improvements are required to minimise the risk of pollution or to ensure protection of fish and conservation of the water environment.

As part of the overall environmental protection exercise many flood defence schemes and thousands of planning applications are screened; hundreds of farm pollution grant proposals and effluent discharge applications are processed each year. Many new or varied abstraction licences and drilling consents are also processed to protect surface and underground waters.

Each year about 67,000 samples of rivers, lakes, ground and tidal waters and effluents are taken. Around 1.25 million chemical tests are made on these samples to ensure water quality standards are met and to identify where enforcement action is needed.

In addition detailed studies of samples of invertebrates, fish, algae and plants are undertaken to provide information on the status of the aquatic communities and to test the accuracy of the conclusions of chemical monitoring.

The key abstractions, discharges and monitoring sites for this catchment are marked on map(s) in Appendix 1.

Routine regulatory action is taken to ensure the conditions of thousands of discharges, abstractions and other legal requirements are enforced and illegal fishing is curtailed.

The NRA SW also handles many hundreds of letters and enquiries for information from the Water Act Register and provides press releases, reports and other information to a wide range of interests in the community.

RIVER EXE CATCHMENT ACTION PLAN

3. CHALLENGES AND ACTION

The River Exe runs due south from Exmoor to Exeter to Exmouth and is a major water resource supplying drinking water to Tiverton and Exeter from Wimbleball Reservoir. Its main tributaries include the River Culm which receives large volumes of organic industrial waste, the Rivers Creedy and Clyst near its mouth and the River Barle at its source. Water quality in the main river is good, but several tributaries are affected by farm drainage. Major improvements, have been seen in the Culm in the past ten years due mainly to industry. The River Exe supports a healthy fish population and support good runs of salmon and sea trout.

The aims of the plan are to maintain and improve the fishery; achieve water quality objectives, protect water supply intakes and develop the water resource strategy.

Functional Officers have identified the remaining challenges to the achievement of environmental objectives. Where solutions are clear they have been programmed. In other cases further investigations are needed to determine the way forward.

ACTION

TIMETABLE (BAR CHART)

1991 1992 1993 1994 1995

FISHERIES

Enforce and monitor fixed net legislation.



Monitor sea fishing activity in estuary. Press for sanctuary area (DSFC byelaw to protect salmon).



Assist DSFC to enforce bass legislation.



Review NLO by December 1991.



Review byelaws for salmon netting.



Survey all weirs/fish passes. Plan and implement fish pass installations/improvements.



Assist with passes at Sticks Weir (Dulverton) and Newton St Cyres (Creedy).



ACTION

TIMETABLE (BAR CHART)

Monitor effectiveness of recent alterations at Salmon Pool, Black Aller, Highley.

Survey for trash dams and clear.

Protect spawning gravels.

Improve spawning gravels in Culm and Creedy in conjunction with water quality improvements.

Protect salmon migration from major Water Resource Development schemes.

Continue programme of improvements to protect smolt migration a major fish farms and Heathcoats.

Prevent escapement of rainbow trout.

Undertake regular full juvenile surveys.

Annual redd count.

Monitor effects of rainbow trout escapement.

Survey possible fish counter site and install.

Monitor movement of salmon by radio tracking to assess effects of proposed Water Resources Scheme Development.

Continue Wimbleball mitigation programme.

Re-introduce salmon stocks to Creedy by seeding catchment when fish passage/water quality improved.

1991 1992 1993 1994 1995

Programme to be determined.

Programme to be determined.

_____ Programme to be determined.

Programme to be determined.

Programme to be determined

ACTION

TIMETABLE (BAR CHART)

1991 1992 1993 1994 1995

Control stocking of new species of coarse fish into Lower Exe.

POLLUTION CONTROL

Carry out review of water quality in the catchment.

Followed by investigation of causes of non-compliance with water quality objectives.

Task force programme of remedial action.

Assess impact on water quality of SWW plc water resources scheme.

Assessment impact and promote improvement were necessary at Crediton, Tiverton, Thorverton and Cullompton STW's; Lloyd Maunder, Willand and Heathcoats, Tiverton.

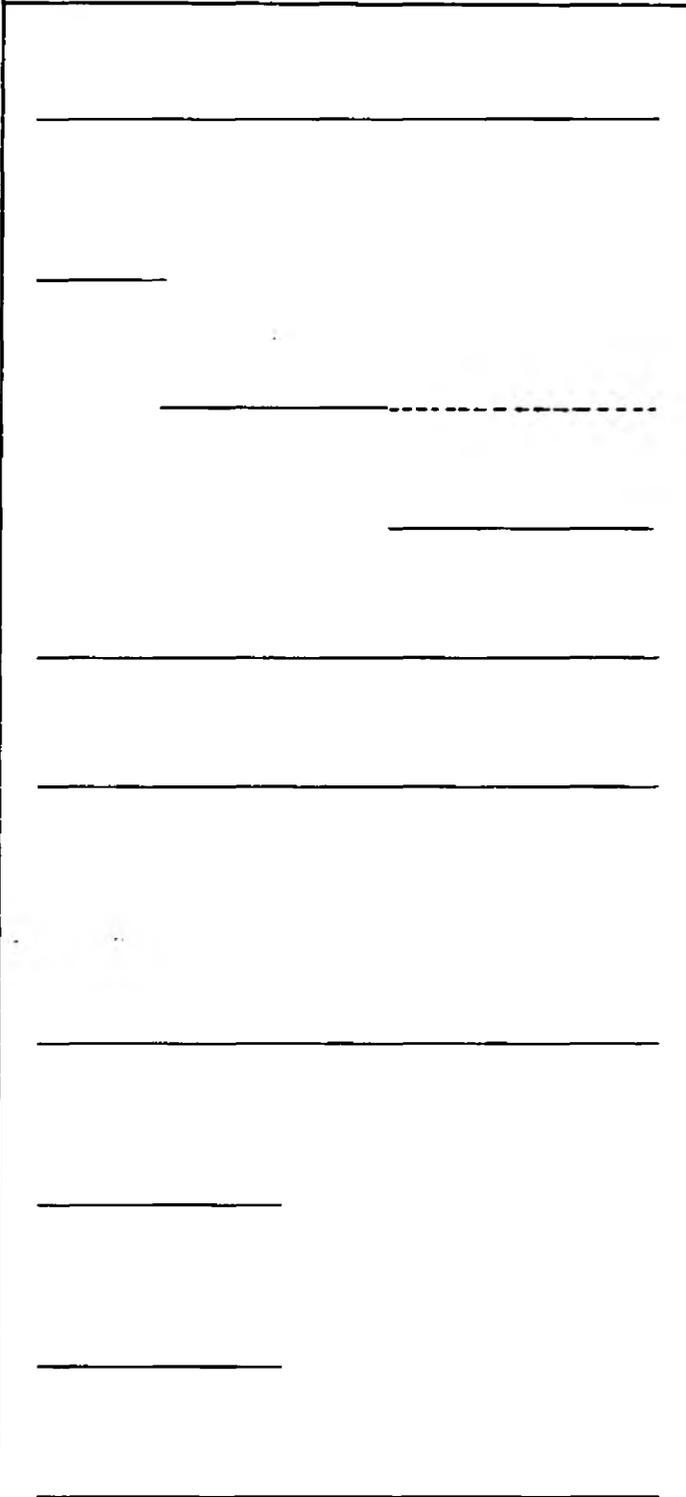
Monitor continued improvement of Culm trades and ensure improvement programme on target.

Install intake protection and water quality monitor with SWWS at Fortescue u/s Pynes WIW.

Investigate water quality problems in the River Kenn and remedy.

Pre and post scheme appraisal of SWW Services Ltd STW's capital improvement programme

Determine deemed discharge consents.



ACTION

TIMETABLE (BAR CHART)

1991 1992 1993 1994 1995

Promote improvements to Lympstone, Exton, Woodbury Salterton, Clyst St George, Cyst Hydon and Cyst St Lawrence sewerage systems.

Prepare catchment description.

Develop catchment water quality model using QUASAR.

Develop Exe estuary water quality management plan.

Monitor groundwater sources in a major aquifer and take action to reduce nitrate inputs.

Continue assessment and monitoring of waste disposal sites at Higher Kiln, Bampton, Ashley Tip, Tiverton and Punch Bowl, Crediton and take remedial action as appropriate.

Investigate sources of organic pesticide problems in the River Culm catchment and remedy.

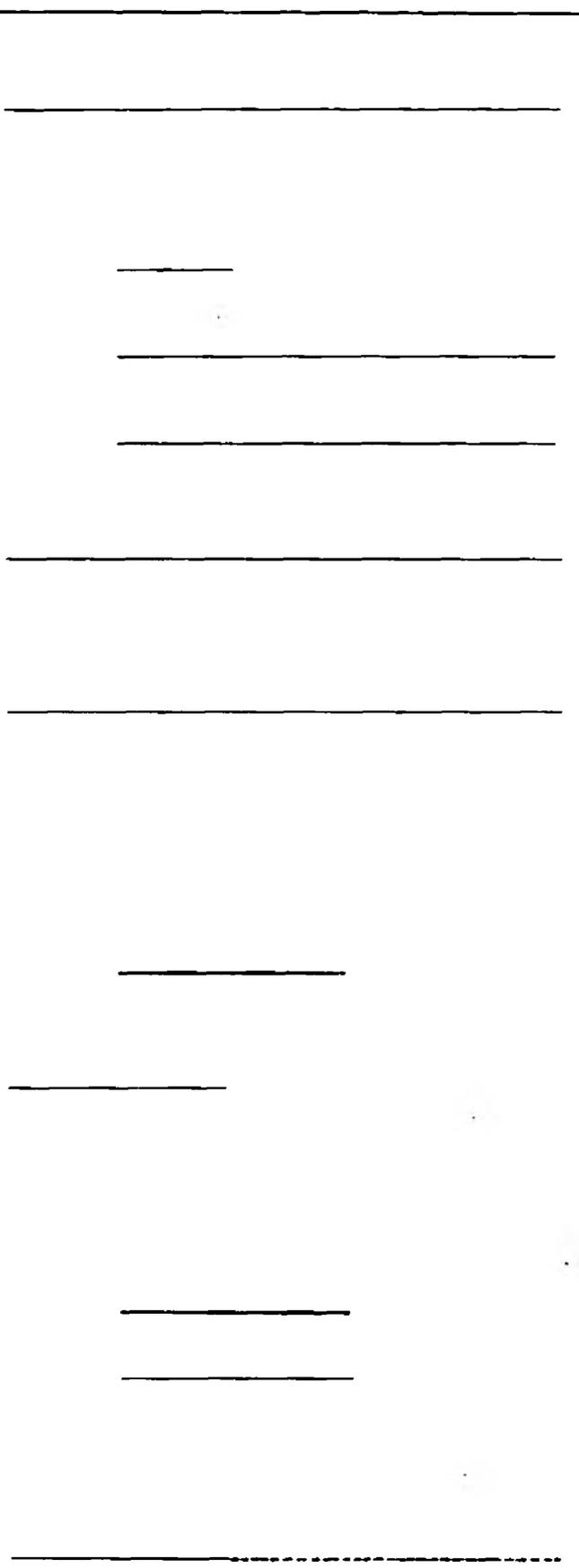
Complete Madford River water quality improvement plan.

Baseline water quality survey of groundwater to establish:-

- a) suitability for potable use.
- b) extent of contamination by substances controlled by EC Directives.

WATER RESOURCES

Review water resources strategy in the Exe catchment.



ACTION

TIMETABLE (BAR CHART)

1991 1992 1993 1994 1995

Review operating arrangement and use of Wimbleball reservoir to ensure proper conservation and use of water resources.

Review effect of headwaters abstraction on the River Creedy.

Review of low flow problem sites and formulate and promote alleviation schemes for priority sites.

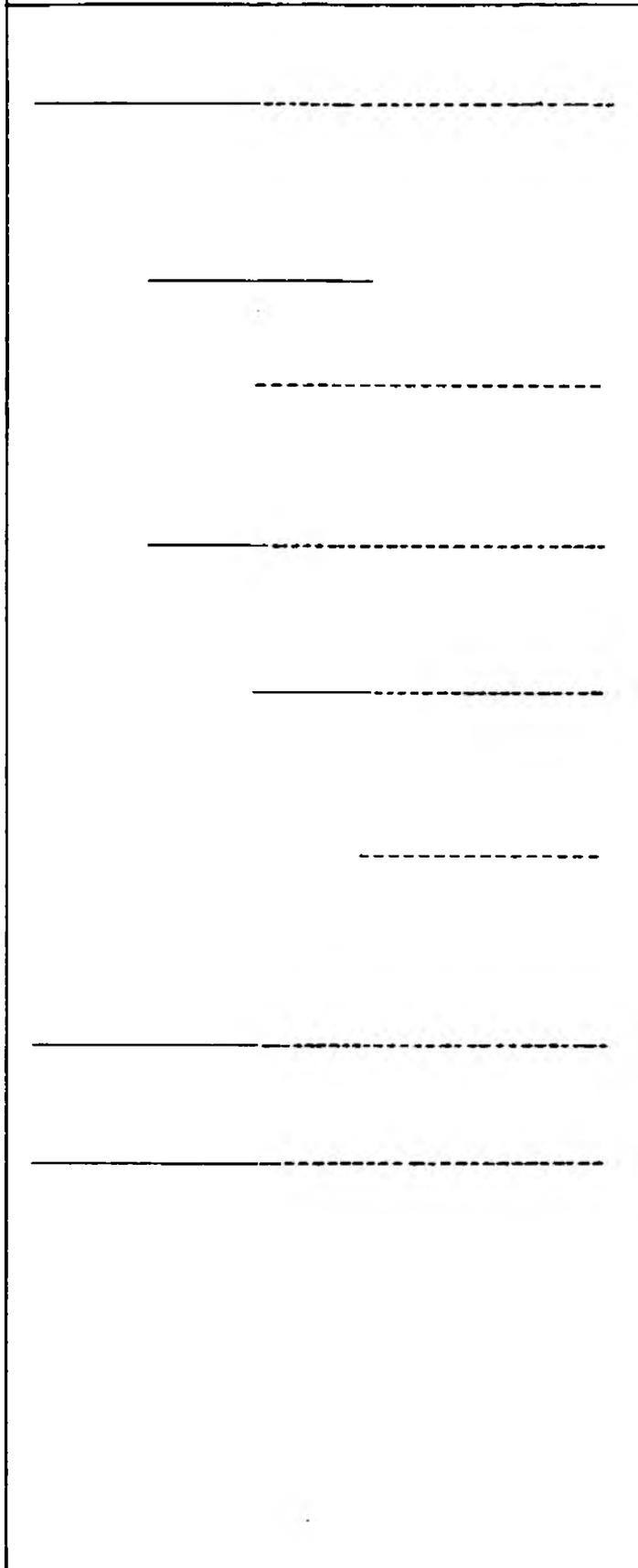
Review effect of abstractions from the Dawlish sandstone aquifer.

Construct river flow gauging station near tidal limit (Trews Weir) to monitor low flows.

Review possible residual flow monitoring downstream of Pynes Water Treatment Works abstractions and impact on estuary.

Construct inflow stream gauging stations at Wimbleball reservoir.

Design and construct a river gauging station on the River Clyst.



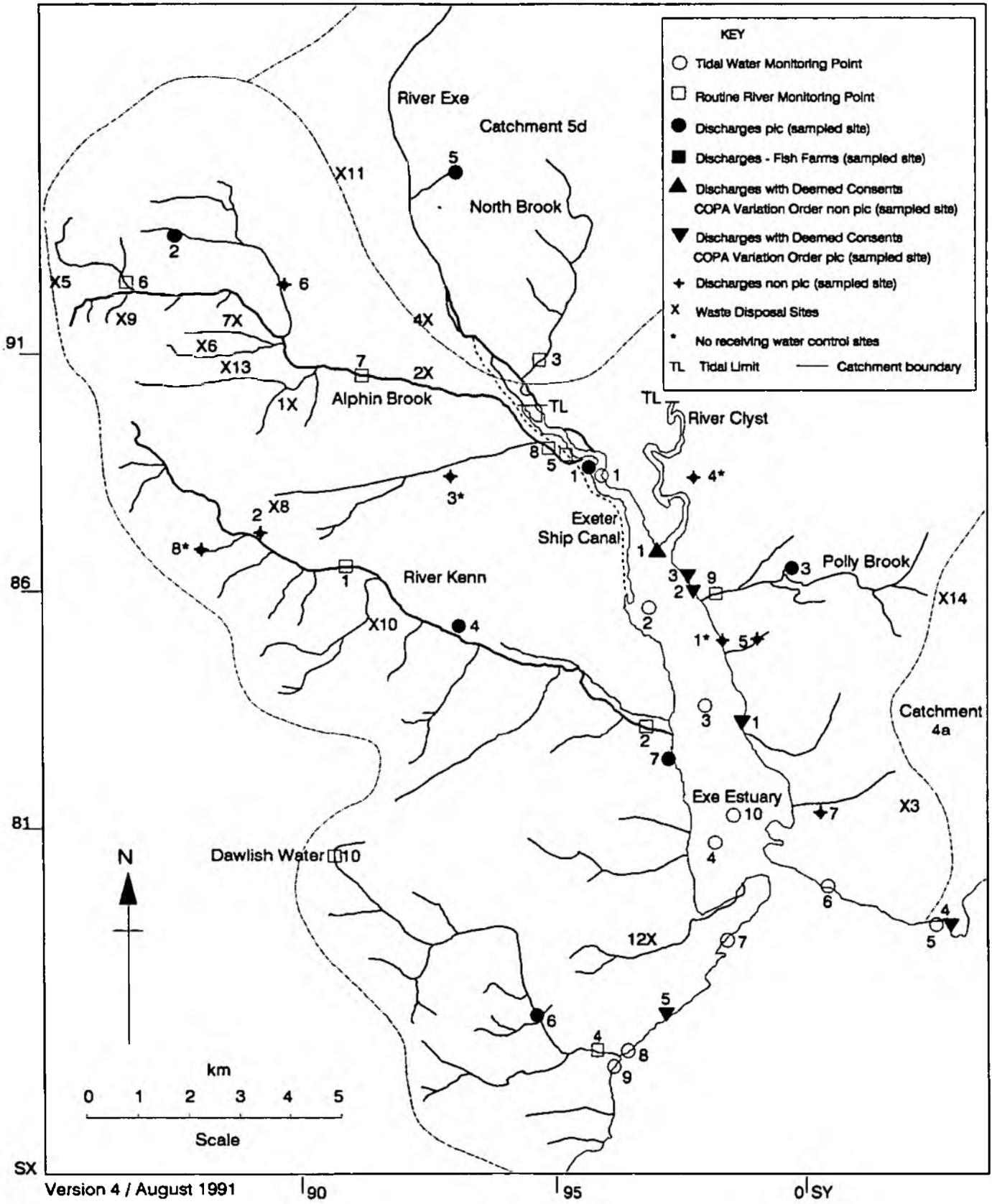
APPENDIX 1

CATCHMENT MAPS

KEY

- Tidal Water Monitoring Point
- Routine River Monitoring Point
- Discharges plc (sampled site)
- Discharges - Fish Farms (sampled site)
- ▲ Discharges with Deemed Consents - COPA Variation Order non plc (sampled site)
- ▼ Discharges with Deemed Consents - COPA Variation Order plc (sampled site)
- + Discharges non plc (sampled site)
- X Waste Disposal Sites
- TL Tidal Limit
- * No receiving water control sites

Exe Estuary - Kenn & Alphin Catchments 5A



EXE ESTUARY - KENN AND ALPHIN CATCHMENTS 5A

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES NON PLC				
1*	PO5A/P/1	SX982861	CTCRM Lympstone	STW domestic
2	PO5A/P/17	SX89658690	Haldon View Clapham	STW domestic
3*	PO5A/P/20	SX92988910	Matford Home Farm	STW domestic
4*	PO5A/P/34A	SX98048847	St George & Dragon	Public House STW
5	PO5A/P/45	SX98908580	Nutwell Lodge	Public House STW
6	PO5A/P/3	SX89209340	Royal Oak	Public House STW
7	PO5A/P/5	SY00968185	Moorfield Rd	STW domestic
8*	R05A041	SY87908680	Penn Hill Nurseries	Borehole
DISCHARGES PLC				
1	WSTW7594FE	SY94968907	Countess Wear	Sewage treatment works Site for current and proposed dangerous substances Red list site Paris commission site
2	WSTW6340FE	SX87019364	Whitestone	Sewage treatment works
3	WSTW7824FE	SY00008680	Woodbury	Sewage treatment works
4	WSTW6188FE	SX92758527	Kenn & Kennford	Sewage treatment works
5	WSTW7596FE	SX92259485	Argyle Road	Sewage treatment works
6	WWTW6807D1	SX94957775	Burrows	Water treatment works
7	WSTW6190FE	SX97408280	Kenton & Starcross	Sewage treatment works
DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER NON PLC				
1	PO5A/P/402	SX97058720	Riversmeet House, Topsham	
DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER PLC				
1	OUT7060	SX98758386	Lympstone	Outfall
2	OUT7921	SX98108625	Exton South	Outfall
3	OUT7920	SX97708688	Exton North	Outfall
4	WSTW7600FE	SY03857908	Exmouth	Sewage treatment works Red list site Site for current and proposed dangerous substances Paris Commission site
5	OUT6524	SX97227672	Dawlish-Sea Lawns	Sea outfall Site for current and proposed dangerous substances
WASTE DISPOSAL SITES				
1	11AG	SX895901	Halscombe Lane, Ide	
2	11BP	SX920905	Incinerator, Exeter	
3	11CD/11EN	SY024821	Salterton Rd, Exmouth	
4	11CT	SX921916	Marsh Barton, Exeter	
5	11DR	SX851931	West Town Farm, Whitestone	
6	11DT	SX883911	Marks Farm, Longdown	
7	11ER	SX890917	West Wheatley Farm, Longdown	
8	11ES	SX921870	Kenbury Wood, Exminster	
9	11FB	SX866922	Springdale Farm, Whitestone	
10	11FP	SX912855	Splatford Lane, Kennford	
11	11GL	SX900949	Exwick Barton Farm, Exwick	
12	1134	SX968786	Exeter Road, Dawlish	
13	11AC	SX881909	Hazeldane, Longdown	
14	11GA	SY044894	Cantenbury House Farm, Woodbury	

EXE ESTUARY - KENN AND ALPHIN CATCHMENTS 5A (cont)

TIDAL WATER QUALITY MONITORING POINT - ESTUARY QUALITY

1	E05A17	SX94908910	Lower Wear	Routine monitoring site
2	E05A7	SX96808610		Routine monitoring site
3	E05A11	SX98008475	Mid Estuary	Routine monitoring site
4	E05A16	SX98208080	Cockwood	Routine monitoring site

TIDAL WATER QUALITY MONITORING POINT - BATHING WATERS

5	ECB0070	SSY03357980	Sandy Bay Beach	EC identified bathing water
6	ECB0080	SY00987995	Exmouth Beach	EC identified bathing water
7	ECB0090	SX98307875	Dawlish Warren Bch	EC identified bathing water
8	ECB0100	SX96557680	Dawlish (Town) Bch	EC identified bathing water
9	ECB0101	SX96117606	Dawlish Coryton Cv	EC identified bathing water

TIDAL WATER QUALITY MONITORING POINT - BIOTA SAMPLING

10	E05A1	SX990819	Cockle Sands	Non-designated shellfisheries
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ROUTINE RIVER MONITORING

1	RO5A001	SX91328662	Kennford	Chemical/biological site
2	RO5A002	SX96608343	Powderham Castle	Chemical/biological site
				Freshwater Fish Directive
3	RO5AO26	SX93899057	Northbrook Park	Chemical/biological site
4	RO5AO27	SX96287667	Dawlish	Chemical/biological site
5	RO5AO06	SX94018942	Countess Wear	Chemical/biological site
				Freshwater Fish Directive
6	RO5AO03	SX86729287	Dymonds Bridge	Chemical/biological site
7	RO5AO04	SX91229030	Alphington	Chemical/biological site
8	RO5AO05	SX93998938	Countess Wear	Chemical/biological site
9	RO5A029	SX98338629	Exton	Chemical/biological site
10	RO5A030	SX90418069	Kenton	EC surface water abstraction directive monitoring site

CLYST CATCHMENT 5B

NO REFERENCE NGR LOCATION ADDITIONAL DETAILS

DISCHARGES NON PLC

1	PO5A/P/35	SX99219082	Cat & Fiddle	Caravan Park STW
	PO5A/P/35A	SX99219082	Clyst St Mary	Public House STW
2	PO5B/P/4	SY01589225	Farringdon House	STW domestic
3*	PO5B/P/15	SY01259325	McBains (Airfield)	STW domestic
4	PO5B/P/2	SY05309690	Aller Grove,Whimple	STW domestic
5*	PO5B/P/19	SY02309630	Higher South Brook	STW domestic

DISCHARGES PLC

1	WSTW7825FE	SY01158958	Woodbury Salterton	Sewage treatment works
2	WSTW7718FE	STO4800280	Plymtree	Sewage treatment works
3	WSTW7505FE	SY03589186	Aylesbeare	Sewage treatment works

FISH FARMS

1	PO5B/P/1	SY02109070	Farringdon
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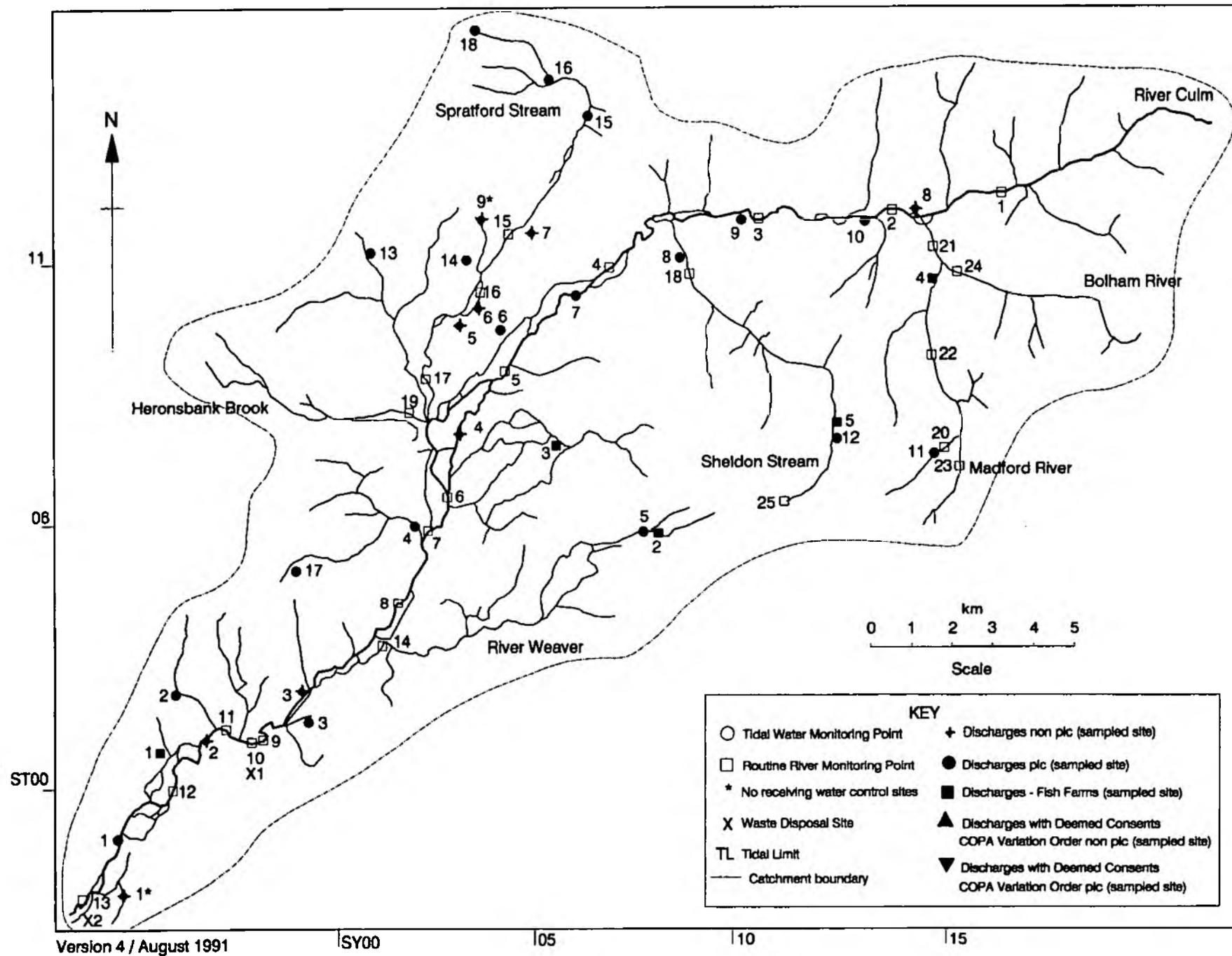
WASTE DISPOSAL SITES

1	11AW	sx990943	Hayes Farm, Clyst Honiton
2	11BB	SX989912	Hunt Kennels, Clyst St Mary
3	11EA	SY052953	Strete Raleigh Farm, Whimple
4	11EF	SX960916	Digby Drive, Exeter
5	11GM	SX97-91-	Hill Barton Farm, Clyst St Mary

ROUTINE RIVER MONITORING

1	R05A028	SX97519033	Winslade Park	Chemical/biological site
2	R05B001	ST03630156	Clyst Hydon	Chemical/biological site
3	R05B002	ST02750003	Clyst St Lawrence	Chemical/biological site
4	R05B003	SY01059833	Ashclyst Farm	Chemical/biological site
5	R05B004	SX98429760	Broadclyst	Chemical/biological site
6	R05B005	SX97529570	Withy Bridge	Chemical/biological site
7	R05B006	SX98509347	Clyst Honiton	Chemical/biological site
				Dangerous substances control site
8	R05B007	SX97229170	Clyst St Mary	Chemical/biological site
				Freshwater Fish Directive
				Dangerous substances control site
9	R05B012	SX98139437	Mosshayne	Chemical/biological site
10	R05B013	SX98679267	Dymonds Farm	Chemical/biological site
11	R05B009	SY03789710	Barnshayes	Chemical/biological site
12	R05B010	SY01339599	Crannaford Crossing	Chemical/biological site
13	R05B011	SX99119522	Wishford Farm	Chemical/biological site
14	R05B014	SY00909525	Ford Stream	Chemical/biological site

Culm Catchment 5C



Version 4 / August 1991

SY00

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CULM CATCHMENT 5C

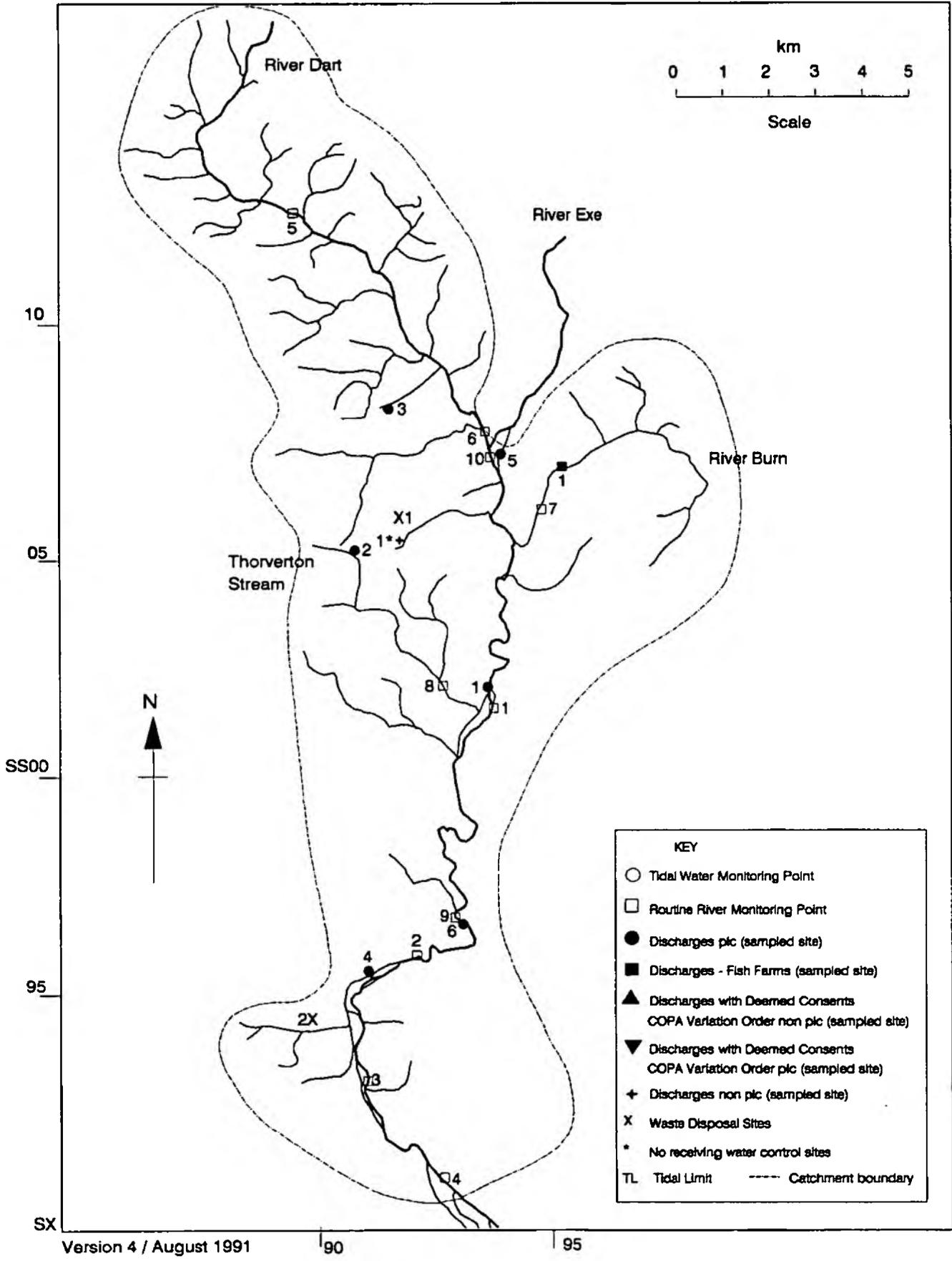
NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES NON PLC				
1*	PO5C/P/29	SX94609770	Barton Cross Hotel	Restaurant STW
2	PO5C/P/34	SS97700110	Silverton Mill	Effluent plant
3	PO5C/P/38	SS99300250	Devon Valley Mill	Effluent plant
4	PO5C/P/33	ST03000819	Higher Kingsmill	Effluent plant
5	PO5C/P/59	ST02901132	Lloyd Maunder	Meat Processing STW
6	PO5C/P/36	ST03141158	Strong Rawle & Strong	Fellmongery STW
7	PO5C/P/60	ST04801380	Little Chef & Lodge	Restaurant STW
8	PO5C/P/37	ST13801398	St Ivel, Hemyock	Dairy factory
9*	PO5C/P/7	ST04151407	Tiverton Parkway	Station STW
DISCHARGES PLC				
1	WSTW7736FE	SX94509880	Stoke Cannon	Sewage treatment works
2	WSTW7764FE	SS95900250	Silverton	Sewage treatment works
3	WSTW7636FE	SS99550205	Hele (Whiteways)	Sewage treatment works
4	WSTW7562FE	ST02200610	Cullompton	Sewage treatment works
5	WSTW7660FE	ST07820633	Kerswell	Sewage treatment works
6	WSTW7816FE	ST04191014	Willand	Sewage treatment works
7	WSTW7798FE	ST06221186	Uffculme	Sewage treatment works
8	WSTW4500FE	ST08901160	Ashill	Sewage treatment works
9	WSTW7564FE	ST09921368	Culmstock	Sewage treatment works
10	WSTW7640FE	ST13391388	Hemyock	Sewage treatment works
11	WSTW7584FE	ST14850817	Dunkeswell	Sewage treatment works
12	WWTW8336D	ST12150771	Sheldon	Water treatment works
13	WSTW7632FE	ST01141237	Halberton	Sewage treatment works
14	WSTW7752FE	ST03501400	Sampford Peverell	Sewage treatment works
15	WSTW7530FE	ST06531698	Burlescombe	Sewage treatment works
16	WSTW7644FE	ST06391799	Holcombe Rogus	Sewage treatment works
17	WSTW7517FE	ST006033	Bradninch	Sewage treatment works
18	WSTW7642FE	ST03102010	Hockworthy	Sewage treatment works
FISH FARMS				
1	PO5C/P/5	SS958008	Rewe	
2	PO5C/P/4	ST07700630	Kerswell	
3	PO5C/P/2	ST05600840	Kentisbeare	
4	PO5C/P/6	ST146118	Hemyock	
5	PO5C/P/1	ST12180793	Sheldon	
WASTE DISPOSAL SITES				
1	11AT	SS981002	Killerton Quarry,	Killerton
2	11CS	SX940970	Stoke Hill,	Stoke Canon
ROUTINE RIVER MONITORING				
1	R05C002	ST16001408	Clayhidon	Chemical/biological site
2	R05C003	ST13851395	Hemyock	Chemical/biological site
3	R05C004	ST10121372	Culmstock	Chemical/biological site
4	R05C005	ST07001257	Uffculme	Chemical/biological site
5	R05C006	ST04221018	Willand	Chemical/biological site
				Dangerous substances control site
				Freshwater Fish Directive
6	R05C007	ST02660660	Higher Upton Farm	Chemical/biological site
7	R05C043	ST022060	D/S Cullompton STW	Chemical site
				Dangerous substances site

CULM CATCHMENT 5C (cont)

ROUTINE RIVER MONITORING

8	R05C008	ST01360425	Merry Harriers Inn	Chemical/biological site
9	R05C009	SS98010102	Silverton Mill	Chemical/biological site
10	R05C010	SS97670107	Silverton Mill	Chemical/biological site
11	R05C011	SS97430137	Silverton Mill	Chemical/biological site
12	R05C012	SX95809975	Columbjohn	Chemical/biological site
13	R05C013	SX93809760	Stoke Canon	Chemical/biological site
14	R05C026	ST01340337	B3181 Br/R. Weaver	Dangerous substances site
15	R05C015	ST04501413	Leonard Moor Bridge	Chemical/biological site
16	R05C016	ST03181160	Tiverton Junction	Chemical/biological site
17	R05C017	ST02600958	Five Bridges	Chemical/biological site
18	R05C014	ST08731242	Craddock Bridge	Chemical/biological site
19	R05C027	ST02430885	Hérons Bank	Chemical/biological site
20	R05C042	ST14920829	Dunkeswell Stream	Chemical/biological site
21	R05C019	ST14351352	Culm Bridge Hemyock	Chemical/biological site
22	R05C028	ST14381050	Dunkeswell Abbey	Chemical/biological site
23	R05C041	ST15220838	Prior/Dunkeswell	Chemical/biological site
24	R05C018	ST15001253	Five Bridges	Chemical/biological site
25	R05C044	ST112070	Sheldon Stream	EC surface water abstraction directive monitoring site

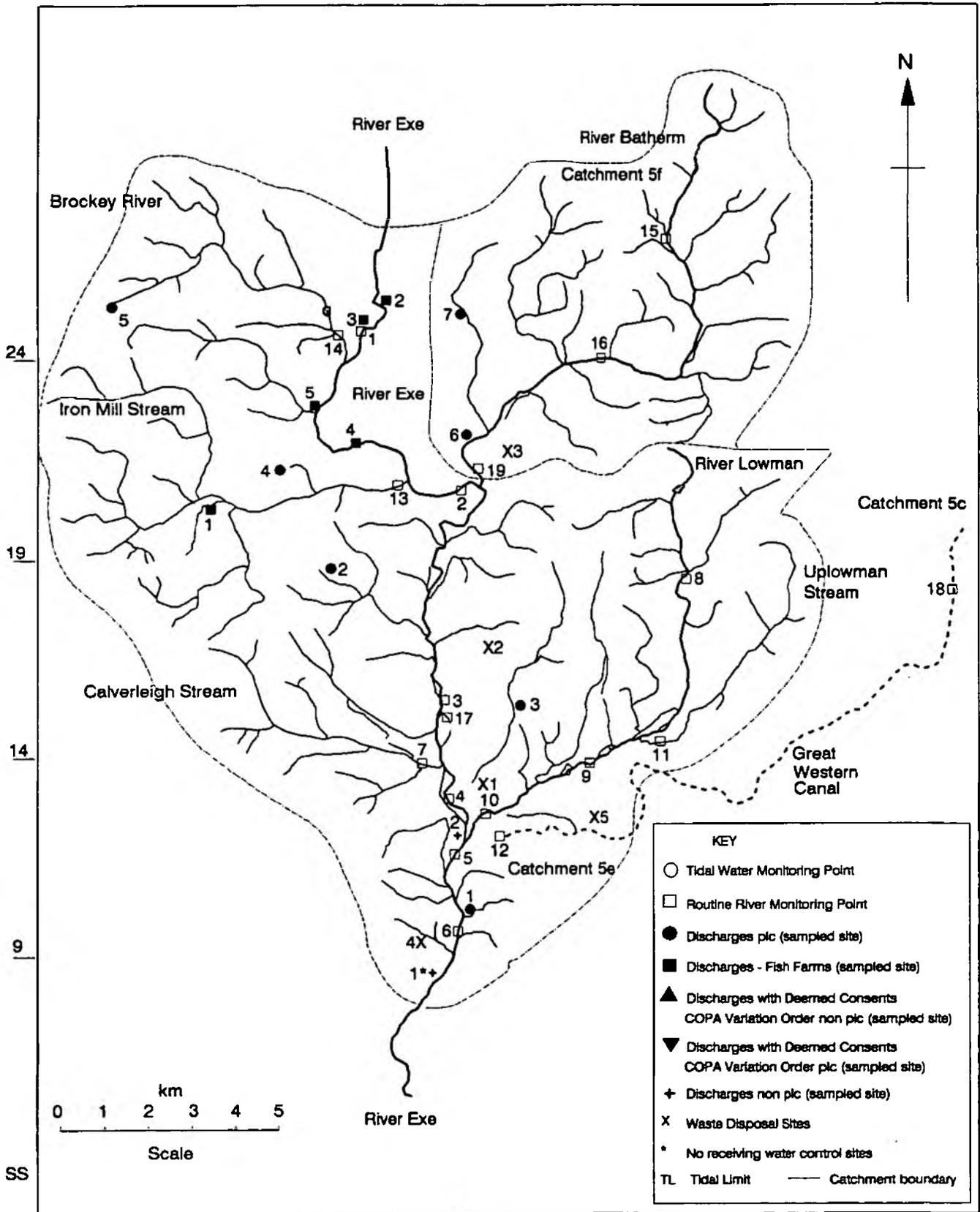
River Exe Catchment 5D



RIVER EXE CATCHMENT 5D

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES NON PLC				
1*	P05E/P/13	SS91800590	Blue Cross Centre	Kennels & Animal Hospital
DISCHARGES PLC				
1	WSTW7784FE	SS935018	Thorverton	Sewage treatment works
2	WSTW7540FE	SS90650505	Cadbury	Sewage treatment works
3	WSTW7524FE	SS91500810	Cadleigh	Sewage treatment works
4	WWTW8332D	SX91109592	Pynes	Water treatment works
5	WSTW7156FE	SS93850730	Bickleigh	Sewage treatment works
6	WSTW7518FE	SX93009710	Brampford Speke	Sewage treatment works
FISH FARMS				
1	P05D/P/1	SS95000650	Burn Valley Trout Fm	
WASTE DISPOSAL SITE				
1	11BE	SS914063	Merryfield Hayes Farm, Cadleigh	
2	11GL	SX900949	Exwick Barton Farm, Exwick	
ROUTINE RIVER MONITORING				
1	R05D001	SS93580167	Thorverton Gauging	Chemical/biological site Freshwater Fish Directive Dangerous substances site Global environmental monitoring system WHO (GEMS)
2	RO5D002	SX92229635	Stafford Bridge	Chemical/biological site
3	RO5D003	SX91059360	Exwick	Chemical/biological site
4	R05D004	SX92559147	Trews Weir	Chemical/biological site Freshwater Fish Directive Dangerous substances site Harmonised monitoring site
5	R05D006	SS89581245	B3137 Bridge Bradley	Chemical/biological site
6	RO5D007	SS93570762	Dart Bridge	Chemical/biological site Freshwater Fish Directive
7	R05D008	SS94670551	Burn Mill Farm	Chemical/biological site
8	R05D009	SS92650206	Thorverton Bridge	Chemical/biological site
9	R05D012	SX93009710	Pynes Intake	EC surface water abstraction directive monitoring site
10	R05D015	SS93680683	Bickleigh Castle	Chemical/biological site

Exe Catchment - 5E & 5F



KEY	
○	Tidal Water Monitoring Point
□	Routine River Monitoring Point
●	Discharges plc (sampled site)
■	Discharges - Fish Farms (sampled site)
▲	Discharges with Deemed Consents COPA Variation Order non plc (sampled site)
▼	Discharges with Deemed Consents COPA Variation Order plc (sampled site)
+	Discharges non plc (sampled site)
X	Waste Disposal Sites
*	No receiving water control sites
TL	Tidal Limit
—	Catchment boundary

EXE CATCHMENT 5E & 5F

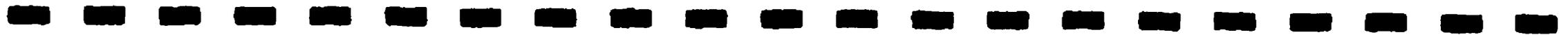
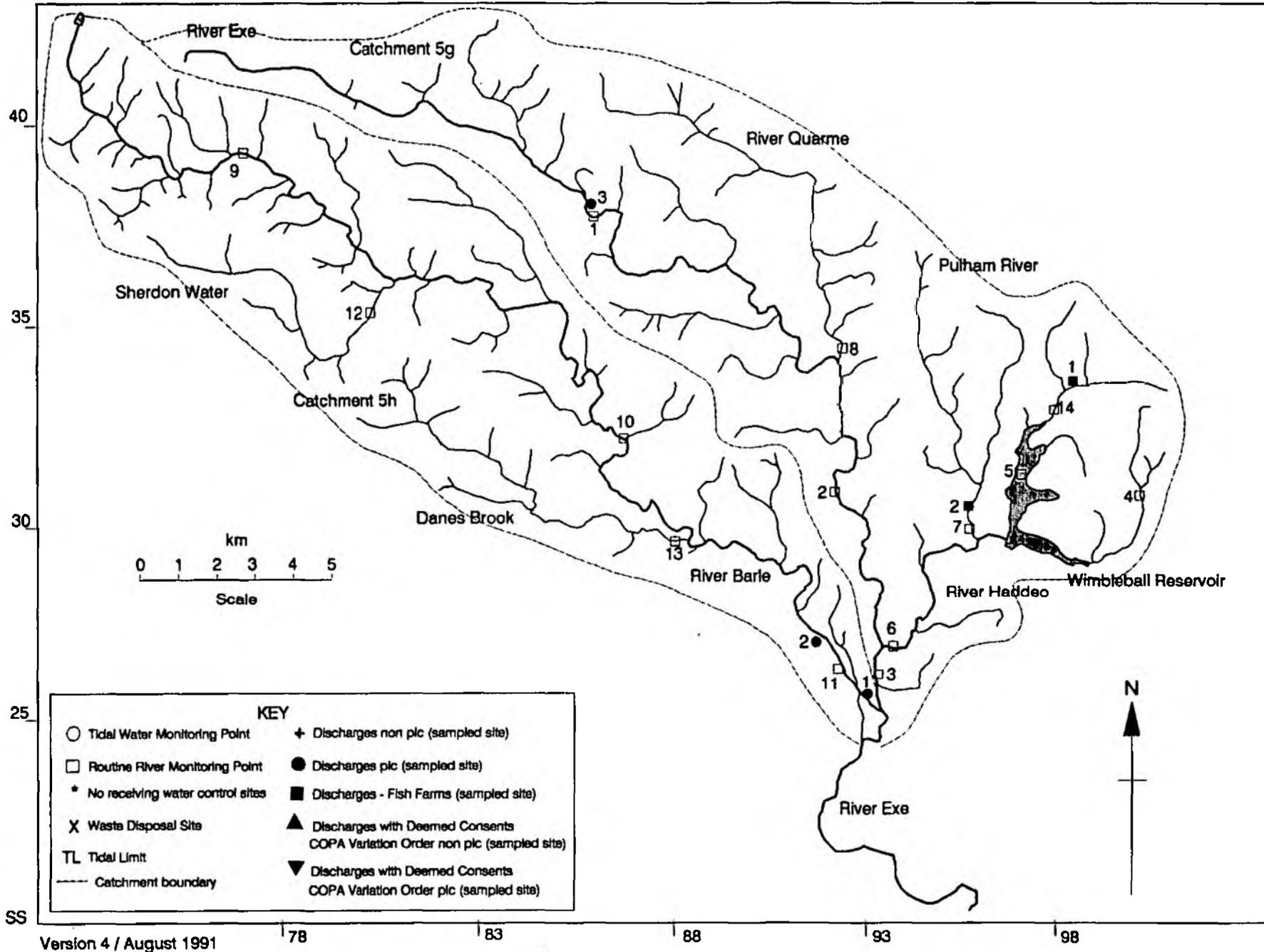
NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES NON PLC				
1*	P05E/P/35	SS94900950	Ashley Tip	Landfill Site (leachate)
2	P05E/P/36	SS95231280	John Heathcoat	Trade effluent-dye works
	P05E/P/36A	SS95201300	John Heathcoat	Cooling water
DISCHARGES PLC				
1	WSTW7788FE	SS95301040	Tiverton	Sewage treatment works
2	WSTW7768FE	SS92501900	Stoodleigh	Sewage treatment works
3	WWTW8302D	SS96551523	Allers	Water treatment works
4	WSTW7696FE	SS91132142	Oakford	Sewage treatment works
5	WSTW7700FE	SS86802500	Oldway End	Sewage treatment works
6	WSTW7514FE	SS95422181	Bampton	Sewage treatment works
7	WSTW7676FE	SS95352477	Morebath	Sewage treatment works
FISH FARMS				
1	P05E/P/10	SS897202	Bellbrook Trout Fm	
2	P05E/P/11	SS93402470	Gr Western Salmon	
3	P05E/P/61	SS92802470	Exe Valley Fishery	
4	P05E/P/61	SS92902160	Rainbow Valley Fish Fm (A)	
	P05E/P/61A	SS92002290	Rainbow Valley Fish Fm (B)	
5	P05E/P/61B	SS920228	Highleigh Mill Fish Fm	
WASTE DISPOSAL SITES				
1	11AZ	SS959139	Brickhouse Hill, Tiverton	
2	11BG	SS965158	Allers Wood, Tiverton	
3	11CM	SS968221	Higher Kiln Quarry, Bampton	
4	11FG	SS947096	Ashley(Old tip), Tiverton	
5	11FR	SS995123	Hartnoll Farm, Halberton	
ROUTINE RIVER MONITORING				
1	R05E001	SS93012447	Exebridge	Chemical/biological site Freshwater Fish Directive
2	R05E002	SS95252053	Halfpenny Bridge	Chemical/biological site
3	R05E003	SS94861532	Lythecourt	Chemical/biological site
4	R05E004	SS94911308	Tiverton New Br	Chemical/biological site
5	R05E005	SS95171165	Collipriest	Chemical/biological site Dangerous substances control site
6	R05E006	SS95280990	Ashley	Chemical/biological site Freshwater Fish Directive Dangerous substances site
7	R05E020	SS94541394	Swine Bridge	Chemical/biological site
8	R05E009	ST00811831	Huntsham Wood	Chemical/biological site
9	R05E010	SS98531408	Craze Lowman	Chemical/biological site
10	R05E011	SS95621258	A373 Br Tiverton	Chemical/biological site Freshwater Fish Directive
11	R05E021	ST00021450	Widhayes	Chemical/biological site
12	R05E013	SS96291238	The Basin Tiverton	Chemical/biological site Freshwater Fish Directive
13	R05E008	SS93802085	Iron Mill Stream	Chemical/biological site Freshwater Fish Directive
14	R05E012	SS92432450	Brocksbridge Cott	Chemical/biological site Freshwater Fish Directive
15	R05F001	ST00432679	Ranscombe	Chemical/biological site Dangerous substances control site
16	R05F002	SS97992378	A361 Bridge	Chemical/biological site

EXE CATCHMENT 5E & 5F (cont)

ROUTINE RIVER MONITORING

17	R05E033	SS94881519	Bolham Leat	EC surface water abstraction directive monitoring site
18	R05C021	ST07081780	Fenacre Bridge	Chemical/biological site Freshwater Fish Directive
19	R05F003	SS95452093	Bowbierhill Wood	Chemical/biological site Freshwater Fish Directive Dangerous Substances Directive

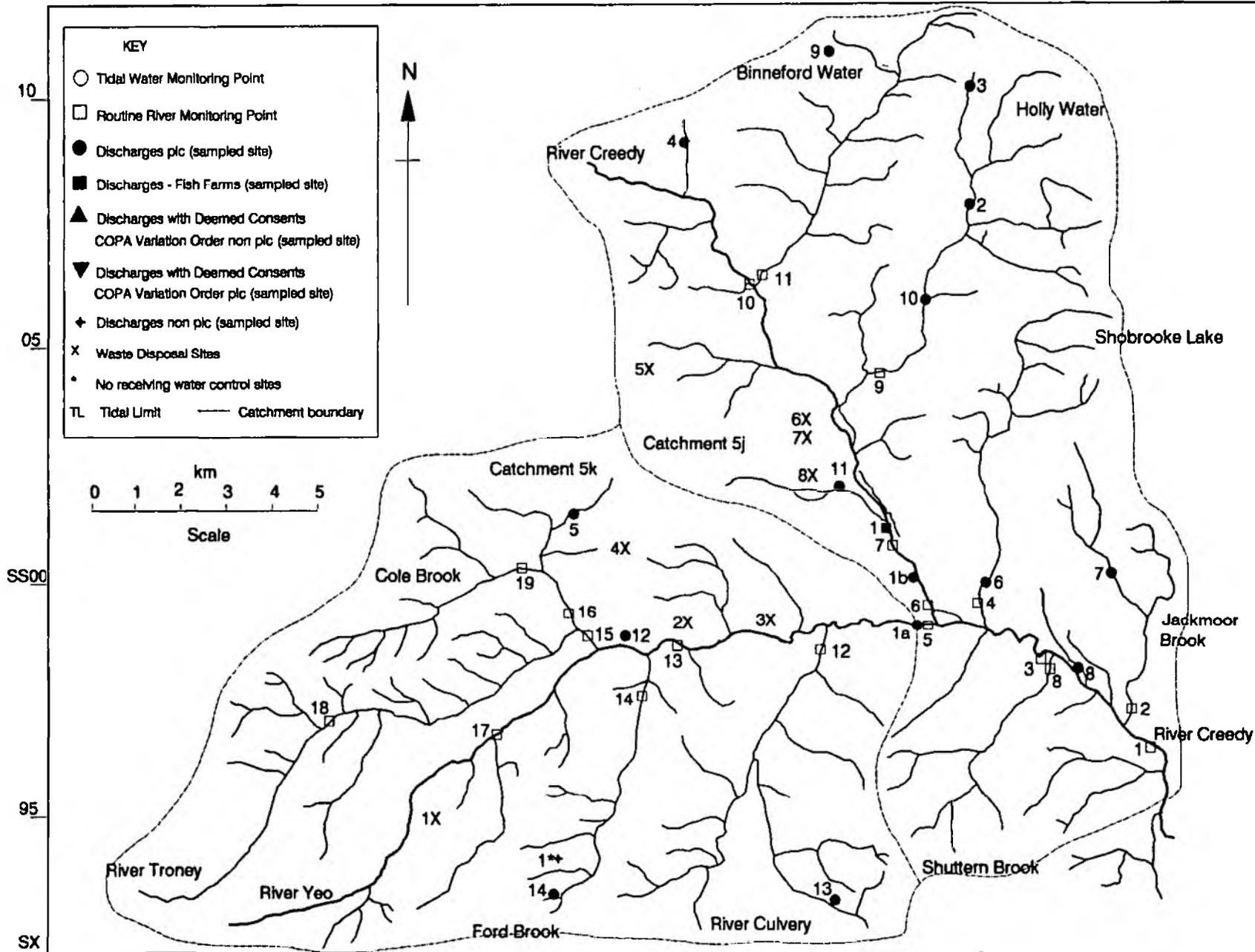
Upper Exe & Barle Catchments 5G & 5H



UPPER EXE & BARLE CATCHMENTS 5G & 5H

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES PLC				
1	WSTW7528FE	SS92602580	Brushford	Sewage treatment works
2	WSTW7580FE	SS91902710	Dulverton	Sewage treatment works
3	WSTW7598FE	SS85673816	Exford	Sewage treatment works
FISH FARMS				
1	P05G/P/1	SS98603340	Castle Hill Fishery	
2	P05G/P/2	SS95802640	Hartford Fish Farm	
ROUTINE RIVER MONITORING				
1	R05G001	SS85723806	Court Farm Exford	Chemical/biological site Freshwater Fish Directive
2	R05G002	SS92373068	Chilly Bridge	Chemical/biological site
3	R05G003	SS93472599	Warmore	Chemical/biological site
4	R05G004	ST00143073	Cuckwolds Combe	Chemical/biological site
5	R05G010	SS97003100	Wimbleball Res	Chemical site Freshwater Fish Directive Algological site
	R05G017	SS965293	Wimbleball Res	EC surface water abstraction directive monitoring site
	R05G016			
	R05G015			
6	R05G005	SS93762659	A396 Br Pixy Copse	Chemical/biological site Freshwater Fish Directive
7	R05G009	SS95912948	Pulham River	Chemical/biological site Freshwater Fish Directive
8	R05G006	SS92283425	Coppleham Bridge	Chemical/biological site Freshwater Fish Directive
9	R05H001	SS77183910	Simonsbath	Chemical/biological site
10	R05H002	SS86753215	Tarr Steps	Chemical/biological site
11	R05H003	SS92482625	Pixton Hill	Chemical/biological site Freshwater Fish Directive
12	R05H005	SS80253542	Ferny Ball	Chemical/biological site
13	R05H004	SS88452930	Castle Bridge	Chemical/biological site Freshwater Fish Directive
14		SS98053266	Withiel Brook	Biological site

Yeo & Creedy Catchments 5J & 5K



YEO & CREEDY CATCHMENT 5J & 5K

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES PLC				
1a	WSTW7560FE	SX85699913	Crediton (Yeo)	Sewage treatment works
1b	WSTW7560FE	SS84840063	Crediton (Creedy)	Sewage treatment works
2	WSTW7720FE	SS86530829	Poughill	Sewage treatment works
3	WSTW7716FE	SS865116	Pennymoor	Sewage treatment works
4	WSTW3024FE	SS80580984	Black Dog	Sewage treatment works
5	WSTW7668FE	SS78310159	Knowle (Crediton)	Sewage treatment works
6	WSTW7762FE	SS87100118	Shobrooke	Sewage treatment works
7	WSTW7763FE	SS893002	Shute(Shobrooke)	Sewage treatment works
8	WSTW7690FE	SX88859814	Newton St Cyres	Sewage treatment works
9	WSTW7722FE	SS83601073	Puddington	Sewage treatment works
10	WSTW7546FE	SS858061	Cheriton Fitzpaine	Sewage treatment works
11	WSTW7754FE	SS833023	Sandford	Sewage treatment works
12	WSTW7832FE	SX78609880	Yeoford	Sewage treatment works
13	WSTW6314FE	SX82409390	Tedburn St Mary	Sewage treatment works
14	WSTW7544FE	SX77539355	Cheriton Bishop	Sewage treatment works
DISCHARGES NON PLC				
1*	P05K/P/1	SX778941	Vennbridge Farm	Domestic & trade STW
FISH FARMS				
1	PO5J/P/1	SS83900120	East Lodge, Creedy Park	
	PO5J/P/1B	SS83900120	East Lodge, Creedy Park	
WASTE DISPOSAL SITES				
1	11BH	SX751950	Tellams Old Factory, Cheriton Bishop	
2	11EL	SX802995	Holwell Barton Farm, Crediton	
3	11EJ	SX820993	Denbury Farm, Crediton	
4	11CC	SS792005	Punch Bowl, Crediton	
5	11AV	SS789046	Lower Sutton Quarry, Crediton	
6	11BC	SS832034	Bowdenhayes Farm, Crediton	
7	11EH	SS833033	Sturridge Wood, Sandford	
8	11GR	SS831024	Bowdenhayes Farm, Crediton	
ROUTINE RIVER MONITORING				
1	R05J004	SX90059675	Oakford Farm	Chemical/biological site Freshwater Fish Directive
2	R05J018	SX89819772	Langford	Chemical/biological site
3	R05J013	SX88089856	Newton St Cyres	Chemical/biological site
4	R05J017	SX86819953	Creedy Barton	Chemical/biological site
5	R05K005	SX85609910	Downes Mills	Chemical/biological site Freshwater Fish Directive Dangerous substances site
6	R05J003	SX85509985	Westacott Cottages	Chemical/biological site Dangerous substances site
7	R05J002	SS84600118	Creedy Bridge	Chemical/biological site Dangerous substances control site
8	R05J021	SX88309843	Shuttern Brook	Chemical/biological site
9	R05J015	SS84430450	Heath Bridge	Chemical/biological site
10	R05J001	SS81880620	Ashridge Bridge	Chemical/biological site
11	R05J016	SS81980615	Ashridge Farm	Chemical/biological site
12	R05K011	SX83439859	Uton	Chemical/biological site
13	R05K004	SX80559847	Gunstone Mills	Chemical/biological site Dangerous substances control site

YEO & CREEDY CATCHMENT 5J & 5K (cont)

ROUTINE RIVER MONITORING

14	R05K010	SX79389769	Ford Farm	Chemical/biological site
15	R05K002	SX78279897	Yeoford	Chemical/biological site
16	R05K009	SX77799957	Colebrooke	Chemical/biological site
17	R05K003	SX76019685	Binneford	Chemical/biological site
18	R05K008	SX72329707	Easterbrook	Chemical/biological site
19		SS77150043	Colebrooke	Biological site

NRA DUTIES AND POWERS

The Authority has statutory duties and powers in relation to water resources, pollution control, flood defence, fisheries, recreation, conservation and navigation along with various other functions given under the 1989 Water Act.

Whilst most of the Authority's duties and powers are exercised in respect of inland waters in England and Wales, it also has substantial responsibilities for the marine environment around the coast of England and Wales. For pollution control and fisheries purposes it has duties and powers out to distances of three nautical miles and six nautical miles respectively, the six miles being for salmonid protection. For flood defence it is responsible for a large number of sea defences (but not coastal protection which falls within the remit of local authorities).

As well as new duties, the NRA has also inherited other duties and powers under earlier legislation such as the 1963 Water Resources Act, 1975 Salmon and Freshwater Fisheries Act, and 1976 Land Drainage Act.

The Authority also has responsibility for implementing a number of Statutory Instruments, Orders, Notices and Directives relating to the 1989 Water Act. Various European Community Directives on the protection of the aquatic environment eg. Bathing Water Quality, Surface Water Quality, and Freshwater Fishlife also strongly influence its work.

NRA MISSION STATEMENT

The National Rivers Authority will protect and improve the water environment. This will be achieved through effective management of water resources and by substantial reductions in pollution. The Authority aims to provide effective defence for people and property against flooding from rivers and the sea. In discharging its duties it will operate openly and balance the interests of all who benefit from and use rivers, ground waters, estuaries and coastal waters. The Authority will be businesslike, efficient and caring towards its employees.

NRA AIMS

To achieve a continuing improvement in the quality of rivers, estuaries and coastal waters, through the control of water pollution.

To assess, manage, plan and conserve water resources and to maintain and improve the quality of water for all those who use it.

To provide effective defence for people and property against flooding from rivers and the sea.

To provide adequate arrangements for flood forecasting and warning.

To maintain, improve and develop fisheries.

To develop the amenity and recreation potential of waters and lands under NRA control.

To conserve and enhance wildlife, landscape and archaeological features associated with waters under NRA control.

To ensure that dischargers pay the costs of the consequences of their discharges, and as far as possible, to recover the costs of water environment improvements from those who benefit.

To improve public understanding of the water environment and the NRA's work.

REGIONAL PRIORITIES

The overall priority is to continue the improvements which were started in the last year in the following key areas.

WATER RESOURCES

- Develop regional strategy document.
- Improve response to licence applications.
- Establish Water Resources planning forum.
- Progress schemes to ameliorate low flows.
- Implement groundwater protection policy.

POLLUTION CONTROL

- Develop regional strategy document.
- Introduce charging for discharges scheme.
- Implement new consenting policy; begin review of deemed consents.
- Complete 1990/91 survey and consult on water quality objectives.
- Carry out EC Directive requirements.
- Introduce new monitoring programmes for effluents and controlled waters.
- Establish a regional laboratory service.

FISHERIES

- Develop regional strategy document.
- Review licence and other charging schemes.
- Harmonise stock assessment techniques.
- Extend programme of restoration and rehabilitation of fish stocks.
- Increase action to control illegal fishing.
- Submit new fishery byelaws to MAFF for confirmation.

RECREATION

- Continue implementations of Water Act Code of Practice.
- Produce strategy for regional sites.
- Improve cost recovery from the recreation service.

CONSERVATION

- Establish database for regulatory purposes.
- Produce strategy for regional sites.
- Promote conservation schemes.