

CATCHMENT ACTION PLAN



National Rivers Authority South West Region

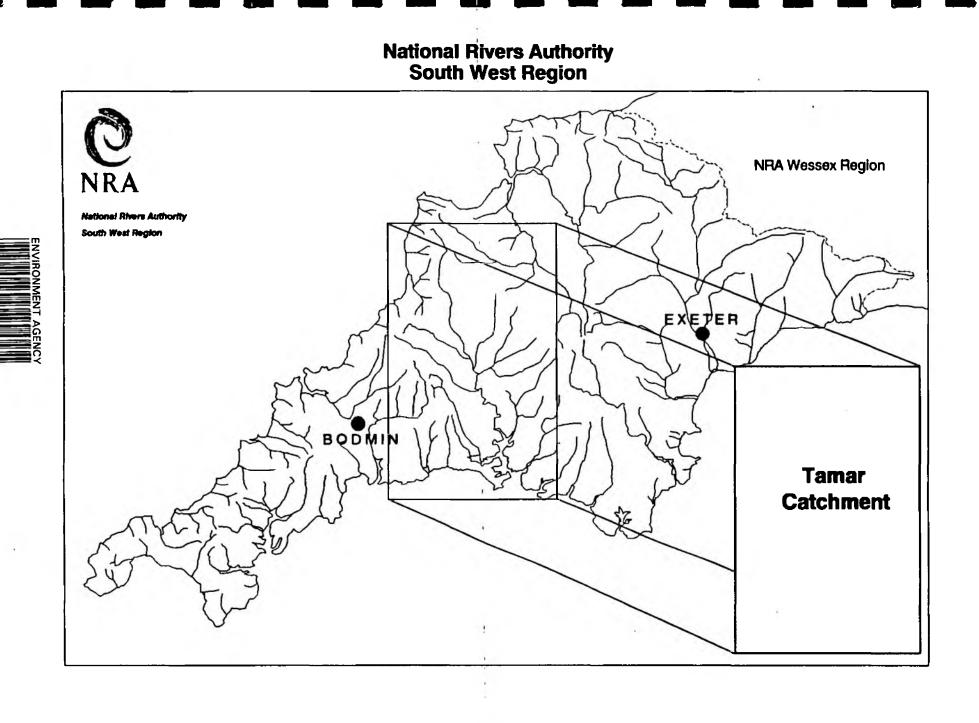
CONTENTS

MAP OF NRA SW REGION SHOWING TARGET CATCHMENT

1.	INTRODUCTION	PAGE 1
2.	ROUTINE SERVICES	PAGE 1 - 2
3.	CHALLENGES & PROPOSED ACTIONS	PAGE 3

APPENDIX 1 - CATCHMENT MAPS

APPENDIX 2 - NRA DUTIES, POWERS AND TARGETS



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 a e ttended 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.

1

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.

3. CHALLENGES AND PROPOSED ACTIONS

The River Tamar is one of the premier salmon rivers with good runs of spring and summer salmon. It has four major tributaries the Rivers Lyd, Inny, Kensey and Ottery. The Roadford Dam is on the River Wolf, a tributary of the Lyd, and as part of the mitigation programme for loss of production, salmon and sea trout are trapped, ova obtained and 30,000 juveniles are reared at Endsleigh and are annually stocked into the system. Fifteen miles of the Upper Tamar have been adversely affected by farm pollution and abstractions resulting in poor salmonid production and deterioration of spawning gravels.

Functional officers have identified the main 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	TIMET	BLE (BAI	CHART)		
	1991	1992	1993	1994	1995
FISHERIES	10				
Enforce and monitor fixed net legislation.			÷		
Enforce and monitor netting ban for sea fish in estuary.					
Review Net Limitation Order by December 1991.					
Introduce byelaw banning use of natural baits for rod fishing after 31 August.			_		
Survey all weirs and fish passes. Plan and implement fish pass installation/ maintenance.					
Repair Cornwall pass - Gunnislake.					
Survey for trash dams/plan/ clearance.					
Plan and implement spawning gravel rehabilitation work in various tributaries upstream Launceston.					
Construct artificial spawning beds/maintain existing - North Tamerton, Burmsdon, Two Bridges other sites in tribs upstream Launceston.					

TIMETABLE (BAR CHART)

1991 1992 1993 1994 1995

Monitor major roadworks planned Wolf/Thrushel valley.

Determine sources of acid run-off in Kensey and Ottery seek control measures to protect fish stocks.

Work in unison with Water Quality staff to recover fish stocks where affected by farm pollution - upstream Launceston in particular.

Seek to reduce estuary adult SS and ST mortalities.

Press for improvements to headwater flows from Lower Tamar Lake.

Regular full juvenile fish population survey.

Specific annual juvenile monitoring Lyd catchment.

Annual redd counts - particular attention upstream Launceston and to improved areas.

Introduce dual checking system for assessing accuracy rod catch returns.

Survey possible fish counter sites. Install counter in Cornish pass - Gunnislake.

Continue Roadford investigations including programme of radio tracking of fish tagged at Gunnislake and from estuary netting.

Assess causes of poor recruitment upstream Launceston

Continue Roadford mitigation programme using traps at Hartley, Roadford, Cookworthy and Milford. Programme to be determined

ACTION

TIMETABLE (BAR CHART)

Investigate rearing-on potential at Roadford installation and operate smolt release unit.

Surplus Tamar stock for experimental stocking tributaries upstream Launceston

POLLUTION CONTROL

Carry out review of water quality in the catchment.

Followed by completion of Farm Campaign and Task Force programme of remedial action.

Assess impact of 1990 drought at 2 chemical and 2 biological sites.

Assess quality of enclosed waters at 2 locations - Upper and lower Tamar lake.

Undertake blue-green algae action plan and monitor 2 locations.

Develop water quality management plan for the catchment.

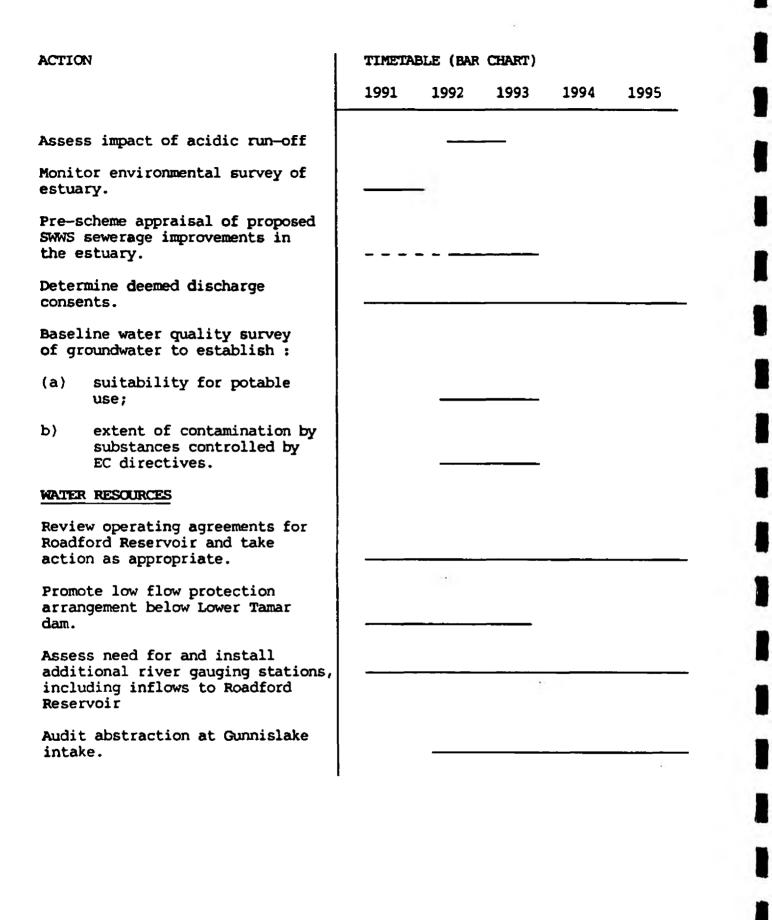
Prepare catchment description.

Assess impact of Roadford Reservoir and water resources scheme on water quality.

Develop catchment quality model using QUASAR.

Assess impact of historic mining activities on water quality.

1991	-1992	1993	1994	1995	
			_		
					-
		11112/11-2	14.15		
		-			
	÷-				
			-		



[ma.cvd.reports]catchment_action_plans_river_tamar

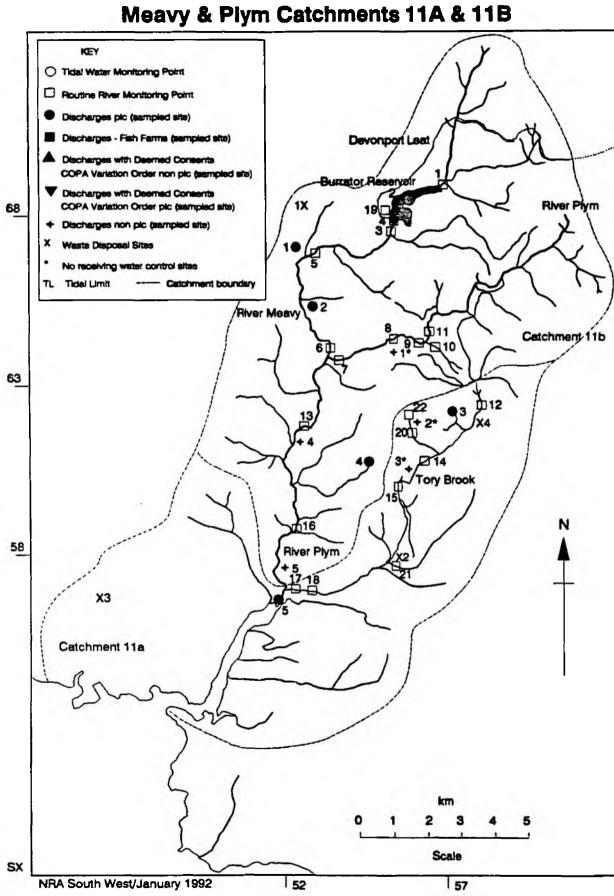
APPENDIX 1

i

CATCHMENT MAPS

KEY

- O 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



MEAVY & PLYM CATCHMENTS 11A & 11B

	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	DIS	CHARGES NON 1	PLC		
	1*	P11B/P/9		Shaugh Lake	China clay works
		P11A/P/14			CP 38/6 China clay works
L					
		P11A/P/4			China clay works
	4 5	PllB/P/1			Sewage treatment works
_	5	P11B/P/6	SX52005750	Marsh Mills	CP 39/1 China clay works
_					
		CHARGES PLC			
	1	WSTW4594FE	SX52446678	Gratton	Sewage treatment works
		WSTW4544FE	SX52606560	Clearbrook	Sewage treatment works
_		WSTW4650FE		-	Sewage treatment works
		WSTW4830FE			Sewage treatment works
	Ē.	WSTW4728FE		Marsh Mills	Sewage treatment works
	5	ND10112012	0134003030	naron nizio	Red list site
					Paris commission site
	•			Paltash (Casha)	
	6	WSTW4763FE	SX43005820	Saltash (Coombe)	Sewage treatment works
					Site for current and proposed
					dangerous substances
-	WAS'	TE DISPOSAL	SITES		
	1	11EAGJAL	SX527681	Higher Lake Farm, I	Dousland
	2			Newham Park, Plymp	
	3	11EAGXAL 11EAHWAL	S470560	Marsh Mills China	Clay Works
-	4	11FAJAAL	SX560610	Torycombe Lee Moor	Plymouth
	4	TIRJAAD	SYRONOTA	IOLACOWDE PEE WOOL	, riymouch
		TINE RIVER MO			
-	1	R11B008	SX56696925	Weir/Burrator Res	Chemical/biological site
_	2	R11B028	sx 55516856	Burrator Res	Chemical site
					Freshwater Fish Directive
	3	R11B009	SX55146791	Below Burrator Res	Chemical/biological site
	4	R11B029	SX551680		EC Surface water abstraction
-	-	-R11B030			directive monitoring site
•		R11B031			
			SX551680	Burrator Reservoir	Algological site
	5	R11B010	SX52956704		eChemical/biological site
-	5			Grafiuszes (P. Pluz	Chemical/biological site
	o	R11B011	s x53306375	Confidence/R Piym	
	-			Shawah satis	Freshwater Fish Directive
	7	R11B004	SX53356368	Shaugh Bridge	Chemical/biological site
	8	R11B003	SX55566465	Cadover Bridge	Chemical/biological site
				_	Freshwater Fish Directive
	9	R11B002	sx 56396450	Below Blackabrook	Chemical/biological site
	10	R11B007	SX56466441	Blackabrook	Chemical/biological site
	11	R11B001	SX56486446	Above Blackabrook	Chemical/biological site
					Dangerous Substances Directive
	12	R11A001	SX57866173	Tolchmoor Bridge	Chemical/biological site
	13	R11B018	SX52706181	Bickleigh	Chemical/biological site
			SX56556075	Coleland Bridge	Chemical/biological site
	14	R11A002			
	15	R11A003	SX55656008	Portworthy Bridge	Chemical/biological site
_	16	R11B006	SX52375867	Plym Bridge	Chemical/biological site
					Red list site
				ь.	Freshwater Fish Directive
					Dangerous substances site
_					Harmonised monitoring point
	17	R11A005	SX52755660	Marsh Mills Bridge	Chemical/biological site
	18	R11A004	SX53925655		nChemical/biological site
	-	-	SX55925655		EC Surface water abstraction
-	19	R11B032	2Y22AA0071	Devonport Leat	
					directive monitoring site

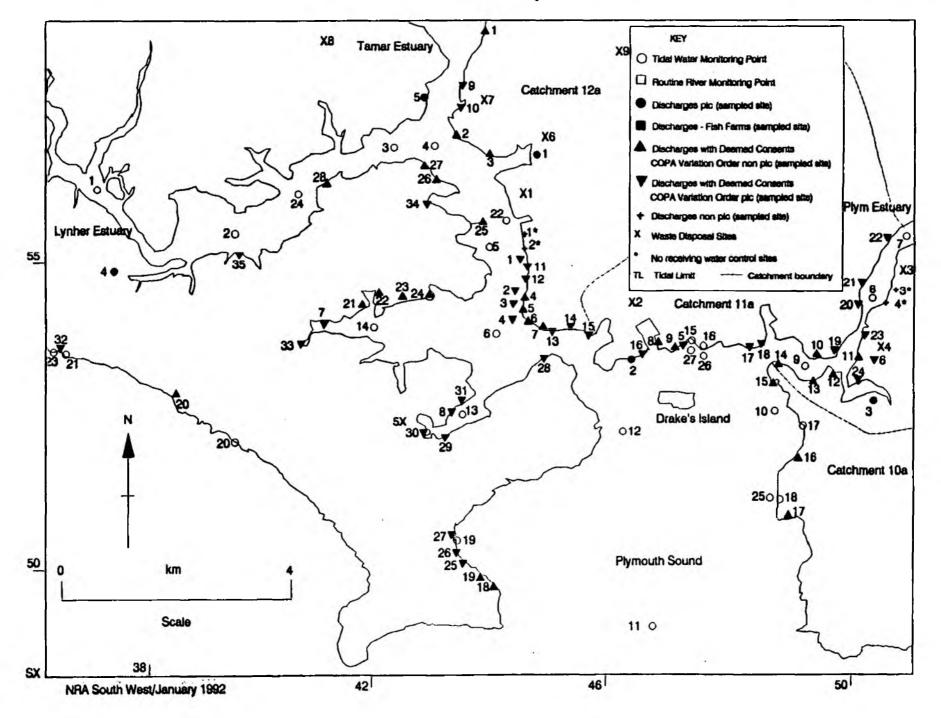
MEAVY & PLYM CATCHMENTS 11A & 11B

	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	ROU	TINE RIVER	MONITORING		
	20	R11A025	SX56306108	D/s of CP 38/6	Chemical site
1	21	R11A020	SX55055740	Prior/Tory Brook	Dangerous substances site Chemical/biological site Chemical site
-	22	R11A024	SX56256140	U/s CP 38/6	Dangerous substances control site

. .: :: .

TRA South West/January 1992

Lower Tamar Estuary 11A & 12A



0	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
IS	CHARGES NON			
*	OUT4939	SX44405630	Devonport Dockyard	Site for current dangerous
				substances
*	OUT4937	SX44505620	Devonport Dockyard	Site for current dangerous
				substances
*	P11A/P/45	SX50405450 SX50505440		Landfill site Cement works STW
-	P11A/P/12	5850505440	Plymstock	Cemenic works Sin
IS	CHARGES PLC			
	WSTW4722FE	SX44505712	Camels Head	Sewage treatment works
				Site for current and propose
				dangerous substances
				Red list site
	01104040	RVACTIETAC	Taskova Tiasa	Paris commission site Outfall
	OUT4940	5840/13340	Eastern Kings	Site for current dangerous
				substances
	WSTW4726FE	SX50195283	Radford	Sewage treatment works
			natora	Red list site
	WSTW4765FE	SX37405490	Sheviock	Sewage treatment works
	WSTW4763FE	SX43005820	Saltash(Coombe)	Sewage treatment works
				Site for current and propose dangerous substances
ŤS	CHARGES WITH	DEEMED CONS	ENTS - COPA VARIATI	dangerous substances
	P12A/P/146	SX44015926	ENTS - COPA VARIATI Ernesettle Plymout	dangerous substances ON ORDER NON PLC
	P12A/P/146 P12A/P/145	5X44015926 5X43415761	Ernesettle Plymout RNAD Bullpoint	dangerous substances ON ORDER NON PLC
	P12A/P/146 P12A/P/145 P12A/P/155	SX44015926 SX43415761 SX43895731	Ernesettle Plymout RNAD Bullpoint RNAD Bullpoint	dangerous substances ON ORDER NON PLC h RNAD
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111	SX44015926 SX43415761 SX43895731 SX44875508	Ernesettle Plymout RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo	dangerous substances ON ORDER NON PLC h RNAD ort
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111	SX44015926 SX43415761 SX43895731 SX44875508	Ernesettle Plymout RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo	dangerous substances ON ORDER NON PLC h RNAD ort ort
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/128	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo	dangerous substances ON ORDER NON PLC h RNAD ort ort ort
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/128 P12A/P/102	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya:	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/128 P12A/P/102 P12A/P/103	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44225645	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya: North Devon Dockya:	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/128 P12A/P/102 P12A/P/103 P12A/P/104	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44425645 SX44455631	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/104 P12A/P/105	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44425645 SX44455631 SX44495617	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd
15	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44425645 SX44455631 SX44495617 SX44595601	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd
15	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/107	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44425645 SX44455631 SX44495617 SX44595601 SX44825604	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd
15	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/107 P12A/P/108	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44495617 SX44595601 SX44825604 SX44685577	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd
IS	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/108 P12A/P/109	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44535692 SX44455631 SX44455631 SX44495617 SX44595601 SX44825604 SX44685577 SX44695576	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/109 P12A/P/110	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44425645 SX44455631 SX44495617 SX44595601 SX44825604 SX44685577 SX44695576 SX44725557	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44455645 SX44455631 SX44455631 SX44495617 SX44595601 SX44685577 SX44685577 SX44695576 SX44725557 SX4485665	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/108 P12A/P/138 P12A/P/133	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44425645 SX44455631 SX44495617 SX44595601 SX44825604 SX44685577 SX44695576 SX44725557	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44455631 SX44495617 SX44695576 SX44695576 SX44695576 SX44695576 SX4485665 SX44585664	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/155 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/138 P12A/P/133 P12A/P/134	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44535692 SX44455631 SX44455631 SX44455631 SX44495617 SX44695576 SX44685577 SX44685577 SX44685577 SX44685629	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/155 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/138 P12A/P/133 P12A/P/134 P12A/P/135	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44455631 SX44495617 SX44595601 SX44685577 SX44685577 SX44685576 SX4468565 SX44585664 SX44685629 SX44695626	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138 P12A/P/134 P12A/P/135 P12A/P/136	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX4445645 SX44456617 SX44595601 SX44685577 SX44695576 SX44685577 SX44695576 SX44685629 SX44685629 SX44685629 SX44685626 SX44585664	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138 P12A/P/133 P12A/P/135 P12A/P/136 P12A/P/137	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX4455645 SX44455631 SX44456617 SX44595601 SX44685577 SX44695576 SX44685577 SX44685577 SX44685657 SX44685629 SX44685629 SX44685629 SX44685629 SX44685629 SX44685629 SX44585664 SX4455664 SX4455664 SX44355663	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/107 P12A/P/108 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138 P12A/P/133 P12A/P/135 P12A/P/137 P12A/P/137 P12A/P/139 P12A/P/140 P12A/P/143	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44456617 SX44595601 SX44595601 SX44685577 SX44685577 SX44685577 SX44685576 SX44685657 SX44685629 SX44685629 SX44685629 SX44685629 SX44695626 SX4455664 SX4455663 SX44355663 SX44395688	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/105 P12A/P/106 P12A/P/106 P12A/P/108 P12A/P/108 P12A/P/108 P12A/P/108 P12A/P/108 P12A/P/138 P12A/P/138 P12A/P/133 P12A/P/136 P12A/P/139 P12A/P/140 P12A/P/141	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44455631 SX44495617 SX44695617 SX44695576 SX44685577 SX44685577 SX44685577 SX44685657 SX44685629 SX44685629 SX44685629 SX44685629 SX44585664 SX4455664 SX4455663 SX44355663 SX44395688 SX44295669	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpo Morice Yard Devonpo Morice Yard Devonpo North Devon Dockya North Devon Dockya	dangerous substances ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd rd rd rd
	P12A/P/146 P12A/P/145 P12A/P/155 P12A/P/111 P12A/P/112 P12A/P/102 P12A/P/103 P12A/P/103 P12A/P/104 P12A/P/105 P12A/P/106 P12A/P/106 P12A/P/107 P12A/P/108 P12A/P/108 P12A/P/109 P12A/P/109 P12A/P/138 P12A/P/133 P12A/P/134 P12A/P/137 P12A/P/137 P12A/P/139 P12A/P/140 P12A/P/143	SX44015926 SX43415761 SX43895731 SX44875508 SX44785501 SX44745503 SX44745503 SX44535692 SX44455631 SX44455631 SX44456617 SX44595601 SX44595601 SX44685577 SX44685577 SX44685577 SX44685576 SX44685657 SX44685629 SX44685629 SX44685629 SX44685629 SX44695626 SX4455664 SX4455663 SX44355663 SX44395688	Ernesettle Plymouth RNAD Bullpoint RNAD Bullpoint Morice Yard Devonpe Morice Yard Devonpe Morice Yard Devonpe North Devon Dockya North Devon Dockya	ON ORDER NON PLC h RNAD ort ort ort rd rd rd rd rd rd rd rd rd rd

NRA South West/January 1992

LOWER TAMAR ESTUARY 11A & 12A (cont)

.

NO	REFERENCE	NGR	LOCATION	ADDITIO	NAL	DETAI
DISC	HARGES WITH	DEEMED CONST	ENTS - COPA VARIATI	ON ORDER	NON	DIC
5	P12A/P/113		Morice Yard Devonp		11011	
÷	P12A/P/129		Morice Yard Devonp			
6	P12A/P/114		South Yard Devonpo			
U	P12A/P/115		South Yard Devonpo			
	P12A/P/116		South Yard Devonpo			
	P12A/P/117		South Yard Devonpo			
	P12A/P/118					
	P12A/P/119	SX44695443	South Yard Devonpo			
			South Yard Devonpo			
	P12A/P/120	SX44785421	South Yard Devonpo			
	P12A/P/121	SX44815433	South Yard Devonpo			
	P12A/P/131	SX44825407	South Yard Devonpo			
	P12A/P/122	SX44805414	South Yard Devonpo			
-	P12A/P/123	SX44875404	South Yard Devonpo			
7	P12A/P/124	SX44995398	South Yard Devonpo			
	P12A/P/125	SX45015395	South Yard Devonpo			
	P12A/P/126		South Yard Devonpo			
	P12A/P/127		South Yard Devonpo			
	P12A/P/130		South Yard Devonpo	rt		
8	P11A/P/92		Millbay Pier			
9	P11A/P/48	SX47755360	Hoe Swimming Pool			
10	P11A/P/18	SX49085357	Cattewater Harbour			
11	P11A/P/100	SX50105385	DWO Depot			
12	P11A/P/98	SX49445323	Turnchapel			
13	P11A/P/90	SX49055317	Mountbatten			
14	P11A/P/89	SX48955323	Mountbatten			
	P11A/P/85	SX48825305	Mountbatten			
	P11A/P/86	SX48705310	Mountbatten			
15	P11A/P/88	SX48615337	Mountbatten			
	P11A/P/87	SX48585337	Mountbatten			
16	P10A/P/29		Fort Stadden			
17	P10A/P/28	SX48675070				
18	P12A/P/153					
19	P12A/P/151	SX44074957				
	P12A/P/152	SX44104955				
20	P12A/P/154	SX38255280	Tregantle Fort			
21	P12A/P/33	SX42005456	HMS Raleigh Fire P	ลก		
22	P12A/P/147	SX42205462	HMS Raleigh	~		
23	P12A/P/148	SX4275448	HMS Raleigh			
24	P12A/P/149	SX42905450	HMS Raleigh			
25	P12A/P/150	SX42905450	Yonderbury Point			
26	P12A/P/101	SX44105592	Point Bullock Diam	and work	~	
27	P12A/P/101 P12A/P/76					
28		SX43295670	Point Bullock Diam		b	
20	P12A/P/156	SX41305660	Antony House Torpo	1112		

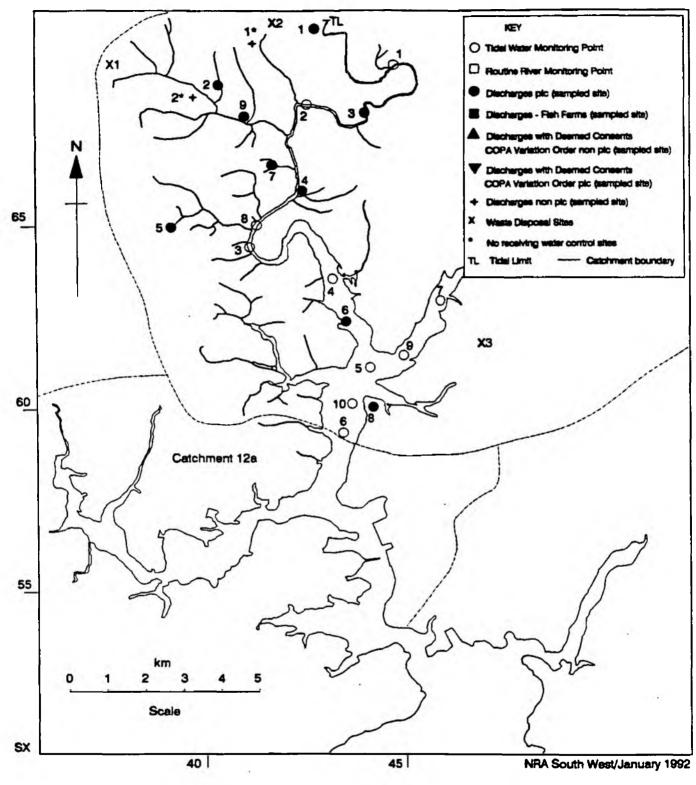
ADDITIONAL DETAILS

LOWER TAMAR	ESTUARY	11A 8	6 12A	(cont)
-------------	---------	-------	-------	--------

1					
-	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	DISC	CHARGES WITH	DEEMED CONSE	ENTS - COPA VARIATIO	ON ORDER PLC
. 2	1	OUT4972		St Levan Road	Outfall
-	-				Site for current and proposed
					dangerous substances
1	2	OUT4922	\$X44735535	Albert Road	Outfall
		0011720			Site for current dangerous
-	-				substances
1	3	OUT4952	SX44775498	Marlborough Street	
	3	0014752	0/11//01/0		Site for current dangerous
				3	substances
	4	OUT4942	SX44655420	Edinburgh Street	Outfall
		0014342	0/11/0/0/120	Darmourg. Dereet	Site for current dangerous
					substances
	5	OUT4978	SX47195335	West Hoe	Outfall
-	Ĩ	0014770			Site for current and proposed
					dangerous substances
					Red list site
	6	WSTW4720FE	sx50105402	Billacombe	Sewage treatment works
	v				Site for current dangerous
					substances
-	7	WSTW4786FE	SX41465405	Torpoint (Trevol)	Sewage treatment works
-			0/11100100	101potne (110001)	Site for current and proposed
					dangerous substances
	8	OUT4920	SX30269909	Millbrook	Outfall
	v	0014520	0//000000000000000000000000000000000000		Site for current dangerous
					substances
	9	OUT4964	SX43685865	Normandy Hill	Outfall
-	-	OUT4968	SX43655844	St Budeaux Wharf	Outfall
-		OUT4951		Little Ash Gardens	
	11	OUT4962		Pottery Road	Outfall
		OUT4936		Cornwall Street	Outfall
		OUT4956		Mutton Cove	Outfall
				Mountwise Plymouth	
- 5		OUT4958	SX45845386	Ocean Court	Outfall
_	16	OUT4980	SX46795365	West Millbay	Outfall
-	17	OUT4934	SX48085365	Citadel	Outfall
	18	OUT4926	SX48345360	Fishers Nose	Outfall
-	19	OUT4953	SX49675359	Prince Rock	Outfall
	20	OUT4950	SX50035438	St Judes	Outfall
	21	OUT4974	SX50005466	Stenlake Terrace	Outfall
	22	OUT4924	sx50425534	Arnolds Point	Outfall
	23	OUT4930	sx50065396	Cattedown Wharf	Outfall
-					Site for current dangerous
					substances
-	24	OUT4960/1-5	SX499532	Oreston	Five outfalls
	25	OUT4911	SX43505015	Cawsand/South	Outfall
		OUT4910	SX43505029	Cawsand/Criterion	Outfall
	26	OUT4919	SX43525048	Ringsand/South	Outfall
	27	OUT4918	SX43635058	Kingsand/North	Outfall
	28	OUT4912	SX45395350	Cremyll	Outfall
	29	OUT4921	SX43305220	Millbrook/Anderton	
	30	OUT 4917	SX43095222	Millbrook Village	Outfall
	31	OUT4986	SX43515261	Southdown B	Outfall
		OUT 4987	SX43625261	Southdown C	Outfall

19					
1	LOW	ER TAMAR EST	UARY 11A & 1	2A (cont)	
	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	DTC	CUNDERS WITH	DEENED CONSI	ENTS - COPA VARIATI	ON ODDED DIC
		OUT5064	SX35625366		Outfall
			SX40945374		Sewage treatment works
			SX43205645		Outfall
-			SX39605520		Sewage treatment works
	WAS	TE DISPOSAL	STTES		
	1	11EAAMAL	SX448568	North Down Crescen	t, Plymouth
	2	11EAFTAL	SX465547	Stonehouse Playing	Field, Stonehouse
	3	11EABZAL	SX510548	Chelston Meadow, P.	lymouth
	4	11EAANAL	SX511543	Plymstock Works, P.	
	5	O 80ANLAL	SX425525	Millpool, Millbrool	
_	6	11EAFLAL	SX457578	Weston Mill, Plymon	
_	7	11EAFMAL	SX447586	Weston Mill Road, S	St Budeaux
	8	080ARYAL		Poles Farm, Carkee	l, Saltash
	9	11EAJDAL	SX460580	Honicknowle Refuse	Tip, Honicknowle
	TID	AL WATER QUA	LITY MONITOR	ING POINT - ESTUARY	QUALITY
	1	E12A13		By Sheviock Wood	
	2	E12A11	SX42205735	By Antony Passage	Routine monitoring site
_	3	E12A12	SX40005600	Mid Estuary	Routine monitoring site
	4	E12A7	SX43255730	Off Wilcove	Routine monitoring site
					Water contact sports
	_				monitoring point
	5	E12A6	SX44255580	Dockyard	Routine monitoring site
					Water contact sports
	_				monitoring point
		E12A5	SX44505400		Routine monitoring site
		E11A3	SX51355580		Routine monitoring site
-		E11A2	SX50155436		Routine monitoring site
_		E11A1	SX49005340		Routine monitoring site
		E12A8	SX48305215		Routine monitoring site Routine monitoring site
	11	E12A3	SX46824950	Plymouth Sound	
		E12A4	SX46505215		Routine monitoring site Routine monitoring site
		E12A9	SX43605240 SX42555425	Millbrook Lake St Johns Lake	Routine monitoring site
	14	E12A10	5842555425	St Johns Lake	Routine monitoring site
	TID	AL WATER OUA	LITY MONITOR	ING POINT - BATHING	WATERS
		ECB0421	SX475537	Plymouth Hoe/West	
		ECB0420	SX478537	Plymouth Hoe/East	
-		B0415	sx49155225	Jennycliff Bay	Non-identified bathing water
_	18	ECB0410	SX493505	Bovisand Beach	EC identified bathing water
	19	B0425	SX43425020		Non-identified bathing water
		B0426	SX39605205		Non-identified bathing water
_	21	ECB0430	SX359538	Portwrinkle Beach	EC identified bathing water
	TTD.			ING POINT - BIOTA S	AMPLING
		SF023	SX44105600		Bioaccumulation Programme
		SF023	5835305390	Port Wrinkle Reach	Bioaccumulation Programme
	23			Shillingham	Bioaccumulation Programme
	~ 7	91003	2111000000000		
		AL WATER QUA	LITY MONITOR	ING POINT - WATER C	ONTACT SPORTS
	25			Bovisand Beach	
	26			Plymouth Sound - T	
	27			Plymouth Sound - T	NE HOE (WEST)

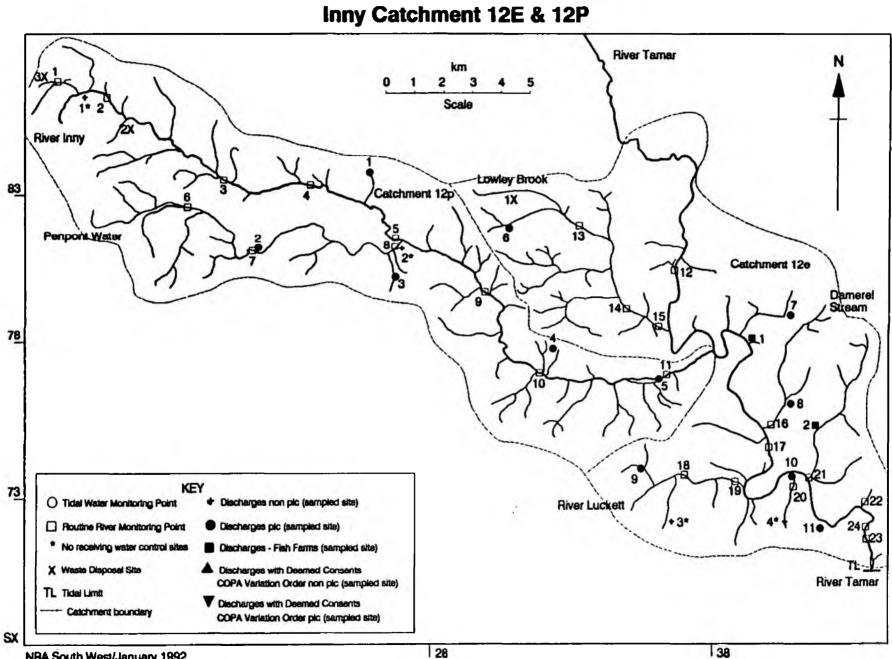
Tamar Tidal Catchment 12B



TAMAR TIDAL CATCHMENT 12B

.

	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	DISC	CHARGES NON F	PLC		
	1*	P12B/P/20		Honicombe	Caravan Site STW
	2*	P12B/P/11	SX39936913	St Dominick	Caravan Site STW
_	-		0		
	DISC	CHARGES PLC			
	1	WSTW4596FE	SX43507089	Gunnislake	Sewage treatment works
				Harrowbarrow	Sewage treatment works
	3		SX44486860		Sewage treatment works
				Bere Alston	Sewage treatment works
-	5	WSTW4760FE			Sewage treatment works
		WSTW4537FE			Sewage treatment works
	7			St Dominick	Sewage treatment works
	7 8	WSTW4724FE			Sewage treatment works
	•				Site for current and proposed
					dangerous substances
					Red list
-					Paris commission site
_	9	WSTW4680FE	5X41066928	Metherell	Sewage treatment works
	•				
	WAST	TE DISPOSAL S	SITES		
	1	080APWAL		Fullaford Farm, Ca	llington
	2	080AAGAL		North Dimison, Gun	nislake
	3	11EAHLAL	SX480620	Gr Trehills Farm,	
-	-				
-	TID	AL WATER QUAI	LITY MONITOR	ING POINT - ESTUARY	QUALITY
		E12B5	SX44706970	Morwellham	Routine monitoring site
	1 2	E12B4	SX42956880	By Calstock	Routine monitoring site
	3	E12B8	SX41206460	Pentillie Castle	
	4	EIZB3		Mid Estuary	Routine monitoring site
	5	E12B6	SX44056130	Warleigh Point	Routine monitoring site
-	6	E12B2	SX43505905	Tamar Bridge	Routine monitoring site
-					Water contact sports
			1999 - S		monitoring point
-	7	E12B7	5X46156330	Nr Bere Ferrers	Routine monitoring site
_					DOCRIMUE
			LITY MONITOR	ING POINT - BIOTA P	RUGRAMME Recoling Regenera
	8	SF021	SX413655	Halton Quay	Baseline Programme
	9	SF020	SX450615	Tavy Bridge	
-	10	SF018	SX441606	Warren Point	Baseline Programme



NRA South West/January 1992

٠

INNY CATCHMENT 12E & 12P

•				
NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
				a character of the second s
DI	SCHARGES NON	PLC		
— 1*	P12P/P/5	SX15808690	Davidstow	Creamery
_	P12P/P/20		Inny Vale	Holiday village
2*		SX27108170	Launceston	Public toilets
3 *	P12E/P/11	SX36507310	Stokeclimsland	Sewage treatment works
4*	P12E/P/12	SX41737263	Hingston Quarry	Stone Quarry
_		QA42/3/200	mingbrom guarry	000m0 Erer-1
	SCHARGES PLC			
	WSTW4718FE	SX26068401	Pipers Pool	Sewage treatment works
$\begin{bmatrix} 1\\2 \end{bmatrix}$	WSTW4500FE	SX22408140	Altarnun	Sewage treatment works
3	WSTW4652FE	SX26668076	Lewannick	Sewage treatment works
4	WSTW4788FE	SX32267818	Trebullett	Sewage treatment works
5	WSTW4514FE	SX32207010	Beals Mill	Sewage treatment works
6	WSTW4767FE	SX31508255	South Petherwin	Sewage treatment works
				Sewage treatment works
7	WSTW4686FE	SX41267921	Milton Abbot	Sewage treatment works
-8	WSTW4775FE	SX40607588	Sydenham Damerel	
9	WSTW4771FE	SX35807400	Stoke Climsland	Sewage treatment works
10		SX40837397	Latchley	Sewage treatment works
■11	WSTW4542FE	SX41837256	Chilsworthy	Sewage treatment works
	AH A A A A			
	SH FARMS			
1	• •	SX39327831	Endsleigh Hatchery	
⁻ 2	P12E/P/33	SX41697537	Higher Woodley	
-				
	STE DISPOSAL			
•1	OBOANCAL		Bangor Transfer Sta	
2	080ARWAL		Blue Haven, St Clet	
3	080ASAAL	SX141877	Higher Trehane Farm	m, Davidstow
- ROI	UTINE RIVER M			
_1	R12P001	SX15338702	Davidstow Creamery	
2	R12P0 02	SX17018650	Trewinnow Bridge	Chemical/biological site
3	R12P003	SX20618418	St Clether Bridge	Chemical/biological site
4	R12P0 12	SX24198339	Gimbletts Mill	Chemical/biological site
5	R12P004	SX27068175	Two Bridges	Chemical/biological site
				Freshwater Fish Directive
- 6	R12P010	SX20028286	Trelin Bridge	Chemical/biological site
_7	R12P007	SX22338130	Altarnun Bridge	Chemical/biological site
8	R12P008	SX26958165	Two Bridges	Chemical/biological site
			-	Freshwater Fish Directive
9	R12P005	\$X30027987	Trekelland Bridge	Chemical/biological site
10	R12P013	SX32027713	Trecarrell Bridge	Chemical/biological site
11	R12P006	SX35887706	Beals Mill Bridge	Chemical/biological site
			-	Freshwater Fish Directive
_ 12	R12E001	SX36838038	Greystone Bridge	Chemical/biological site
13	R12E005	SX32878235	Lana Bridge	Chemical/biological site
14	R12E017	SX34737970	Landue Bridge	Chemical/biological site
15	R12E006	SX35937873	Lowley Bridge	Chemical/biological site
			÷ J-	Freshwater Fish Directive
16	R12E014	5X39897549	Damerel Stream	Chemical/biological site
1 17	R12E002	SX40017486	Horsebridge	Chemical/biological site
18	R12E016	SX37007385	old Mill	Chemical/biological site
19	R12E010	SX38887368	Luckett Bridge	Chemical/biological site
	NILLUU/	5755567560		Dangerous Substances Directive
20	R12E028	SX40887374	Latchley Brook	Chemical/biological site
_ 20	RIGEVED	5740001314	Tacontel proch	Dangerous Substances Directive

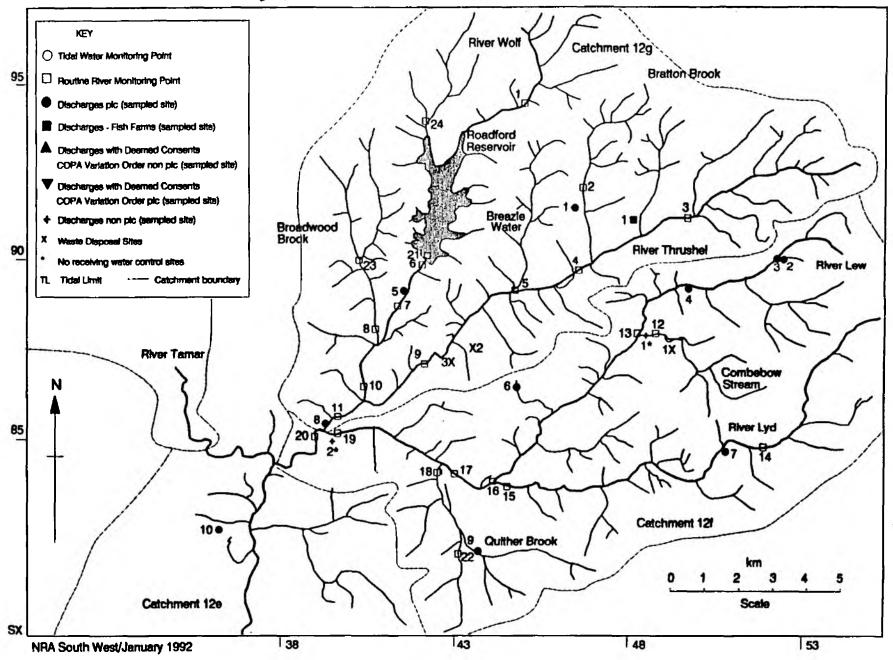
NRA South West/January 1992

.

INNY CATCHMENT 12E & 12P (cont)

NO	REFERENCE	NGR	LOCATION		ADDITIONAL DETAILS	
ROU	TINE RIVER	MONITORING				
21	R12E034	SX41437373	Portontown	Stream	Chemical/biological site Dangerous Substances Directive	
2 ²²	R12E004	SX43257291	Blanchdown	Stream	Chemical/biological site Dangerous Substances Directive	
23	R12E003	SX43327224	Gunnislake	Bridge	Chemical/biological site Red list site Freshwater Fish Directive	
					Dangerous substances site Harmonised monitoring point	
24	R12E035	SX43377235	Gunnislake		EC Surface water abstraction directive monitoring site	

Lyd, Thrushel & Wolf Catchments 12F & 12G



LYD, THRUSHEL & WOLF CATCHMENTS 12F & 12G

	110,	11	RUSH		HODI	~			1 1 4 9				
N	10	REF	EREN	ICE		N	IGR	LOCATION		ADDITIC	NAL DETAI	ls	
- D	NSC	HAR	GES	NON F	LC								÷
			F008			75	8793	Combebow	Ouarry	River a	sampling s	ite	
	*	P12	F/P/	רי	SX39	70	8495		Creamery		treatment		ks
_		P12	-/-/ F/P/		SX39	70			Creamery		effluent		
			-/-/	. •	01133		0 1 9 0		0100		1. 3. 3 M	-	
	TSC	HAR	GES	PLC		-							
				5FE	SXAP	48	9175	Bratton (Clovelly	Sevage	treatment	wor	ks
				7FE				Sourton			treatment		
	•			8FE				Sourton I	Jown		treatment		
				2FE				Bridestov			treatment		
5				8FE				Broadwood			treatment		
				4FE				Lewdown	, augur		treatment		
5	,			4FE				Lydford			treatment		
Ŕ				6FE				Lifton			treatment		
8				OFE				Chillaton	ר		treatment		
1				6FE				Lawhitto			treatment		
		*****					~~~~		-				
T	ISH	FA	RMS										
			G/P/	'1	SX49	0 4 4	9122	Bratton (lovellv				
	•		0/1/	•	0				51010101				
- W	AST	E D	ISPO	SAL S	TES								
_ 1				L			78	Combebow.	, Bridestow	ve			
2		11.1	ACHA		SX43				arry, Stowf				
3		115	AGDA	L	SX43				Quarry, Le				
							. –		.				
R	OUT	INE	RIV	ER MC	NITC	RI	NG						
1			G005					Weeks Mil	ll Bridge	Chemica	1/biologi	cal :	site
23		R12	G009	l	SX46	576	9202	Bratton (Clovelly	Chemica	l/biologi	cal :	site
- 3	1	R12	G001		SX49	88	9128	Rivermead	1 Bridge		l/biologi		
4		R12	G002		SX46	555	8985	Wrixhill	Bridge	Chemica	l/biologi	cal :	site
5	,	R12	G010	ł	SX44	176	8917	Breazle W	Nater	Chemica	al/biologi	cal	site
6	, ,	R12	G084		SX41		98	Roadford	New Bridge	Chemica	al/biologi	cal-	site
-			G006					Rexon Bri		Chemica	al/biologi	cal i	site
- 🖬 8			G012						E Bridge	Chemica	al/biologi	cal :	site
- 9	•	R12	G003				8735	Stowford	Bridge	Chemica	l/biologi	cal	site
			G007		SX40	31	8629	River Wol	lf -	Chemica	l/biologi	cal	site
										Freshwa	iter Fish 1	Dire	ctive
1	1	R12	G004		SX39	38	8538	Tinhay B	ridge	Chemica	al/biologi	cal :	site
								-	-	Freshwa	ter Fish	Dire	ctive
	2	R12	F010	ł	SX48	81	8796	Combebow	Stream		l/biologi		
			F003					Combebow	Bridge	Chemica	l/biologi	cal :	site
			F012					Lydford	-		al/biologi		
			F001						es Bridge		l/biologi		
	6		F004					River Lev			l/biologi		
	6										ter Fish		
1	7	R12	F011		SX42	88	8388	Sydenham	Bridge	Chemica	al/biologi	cal a	Бite
1			F013					Quither 1			al/biologi		
			F016		SX39			River Lyc		Chemica	l/biologi	cal :	site
			F002					Lifton B		Chemica	l/biologi	cal a	site
-		-	_						-		ter Fish		

-

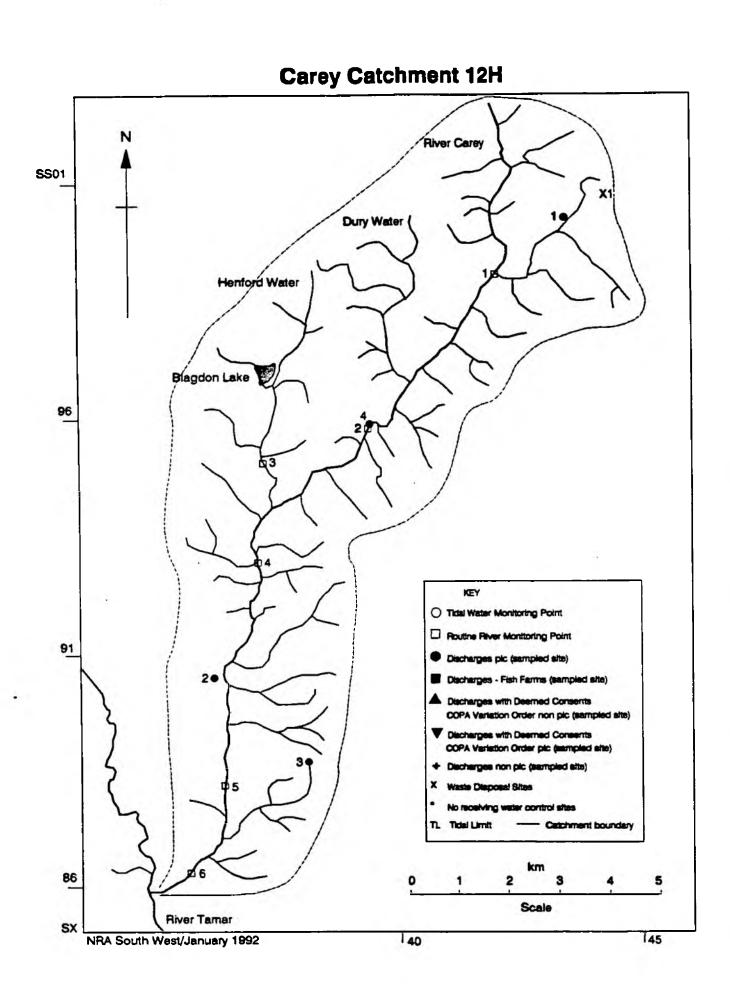
LYD, THRUSHEL & WOLF CATCHMENTS 12F & 12G (cont)

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
ROU! 21	FINE RIVER R12G092 R12G093 R12G094	MONITORING SX42509010	Roadford Reservoir	EC Surface water abstraction directive monitoring site
22 23 24	R12G096	SX43208190 SX40208990 SX42509390	Chillaton Stream Buddle Brook Hennard Stream	Biological site Biological site Chemical/biological site

4 4 4 4 A A

ý.

- - - - -



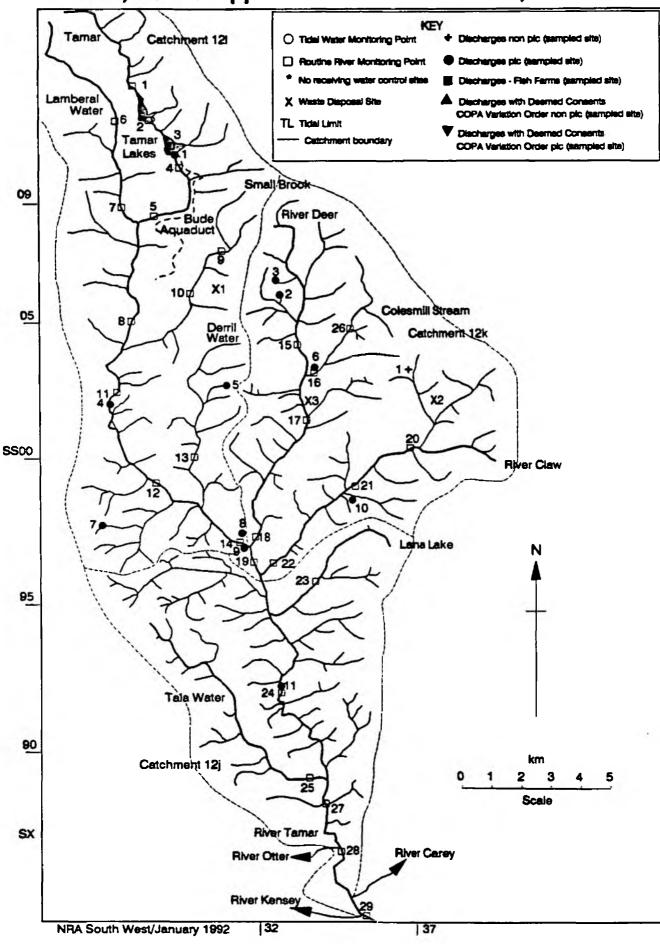
- 1

CAREY CATCHMENT 12H

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DIS 1 2 3 4	CHARGES PLC WSTW3124FE WSTW3259FE WSTW3090FE WSTW3010FE		Halwill St Giles/Heath East Kitcham Ashwater	Sewage treatment works Sewage treatment works Sewage treatment works Sewage treatment works
WAS 1	TE DISPOSAL 11IAHEAL		Old Quarry Gr Hal Halwill Junction	lwill Burrow,
1 2 3 4 5	TINE RIVER M R12H006 R12H001 R12H005 R12H007 R12H008	SX42019850 SX39359534 SX37359472 SX37109263 SX36428828	Halwill Bridge Ashmill Bridge Henford Water Middle Bridge Boldford Bridge	Chemical/biological site Chemical/biological site Chemical/biological site Chemical/biological site Chemical/biological site
6	R12H002	SX36008631	Heale Bridge	Chemical/biological site

Chemical/biological site Freshwater Fish Directive





CLAW, DEER & UPPER TAMAR CATCHMENTS 12J, 12K & 12L

CLAW, DEER & UPPER TAMAR CATCHMENTS 12J, 12K & 12L						
NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS		
	CHARGES NON 1 R12K010	PLC SS37400330	Hollacombe	Landfill site River sampling point		
DIS	CHARGES PLC					
•1	WWTW3838D	SS29381080	Tamar	Water treatment works		
_2	WSTW3067FE	SS33080584	Chilsworthy/South	Sewage treatment works		
3 4	WSTW3066FE	SS32860651	Chilsworthy/North	Sewage treatment works		
4 5	WSTW3044FE	SS27170236	Bridgerule	Sewage treatment works		
5	WSTW3242FE WSTW3139FE	SS30800320 SS33970318	Pyworthy Holsworthy	Sewage treatment works Sewage treatment works		
6 7	WSTW3323FE	SX27119786	Whitstone	Sewage treatment works		
B '8	WSTW3222FE	SX31649760	North Tamerton	Sewage treatment works		
9	WSTW3223FE		North Tamerton	Sewage treatment works		
10	WSTW3074FE			Sewage treatment works		
11	WSTW3029FE	SX32829230	Boyton	Sewage treatment works		
112 C	TE DICOAL	CTTFC				
	TE DISPOSAL S 11jadhal		Thorne Farm, Holsw	orthy		
	11IACNAL		Anvil Corner, Hols			
3	11IAHXAL	SS340030	Tetcott, Holsworth			
				-		
	TINE RIVER MO			Charles 1 (tiplesise) site		
-1	R12L001 R12L017	SS28081338 SS28911188	Buses Bridge Upper Tamar Res	Chemical/biological site Chemical/biological site		
	RIZLUI/	5520911100	opper famal kes	Freshwater Fish Directive		
	R12L020	SS289118	Upper Tamar Res	Algological site		
	R12L021	\$5289118	Upper Tamar Res	EC Surface water abstraction		
			-FF	directive monitoring site		
				Algological site		
-3	R12L018	SS29621085	Lower Tamar Res	Chemical/biological site		
· 💼				Freshwater Fish Directive		
4	R12L009	5529561070	Footbridge (Poc	Algological site		
	R12L009	SS29530895	Footbridge/ Res Dexbeer Bridge	Chemical/biological site Chemical/biological site		
6	R12L010	SS27711119	Lamberal Water	Chemical/biological site		
7	R12L007	5527580893	Moreton Pound Br	Chemical/biological site		
-8	R12L002	SS28350548	Tamarstone Bridge	Chemical/biological site		
• -				Freshwater Fish Directive		
9	R12L011	SS31000731	Headon Bridge	Chemical/biological site		
1 0	R12L008	SS29950528	Youldon Bridge	Chemical/biological site		
11	R12L015	SS27480288	Bridgerule Crowford Bridge	Chemical/biological site		
12 13	R12L003 R12L005	SX28739944 SS30130058	Crowford Bridge Dualstone Bridge	Chemical/biological site Chemical/biological site		
14	R12L004	SX31769738	Tamerton Bridge	Chemical/biological site		
_15	R12K003	\$\$33560415	Rydon Bridge	Chemical/biological site		
16	R12K007	SS33870317	Colesmill Stream	Chemical/biological site		
				Dangerous substances site		
17	R12K004	SS33860142	Winscott Bridge	Chemical/biological site		
18	R12K005	SX31959741	Deer Bridge	Chemical/biological site		
	n1 3t 01 3	CV21000736	Bolow con /B Boor	Freshwater Fish Directive		
⁻¹⁹	R12L013	SX31909726 SS37460071	Below con/R Deer Claw bridge	Chemical/biological site		
20 21	R12K016 R12K001	SX35339932	Clawton Bridge	Chemical/biological site Chemical/biological site		
22	R12K001 R12K002	SX327969	Tetcott bridge	Chemical/biological site		
~~~				Freshwater Fish Directive		

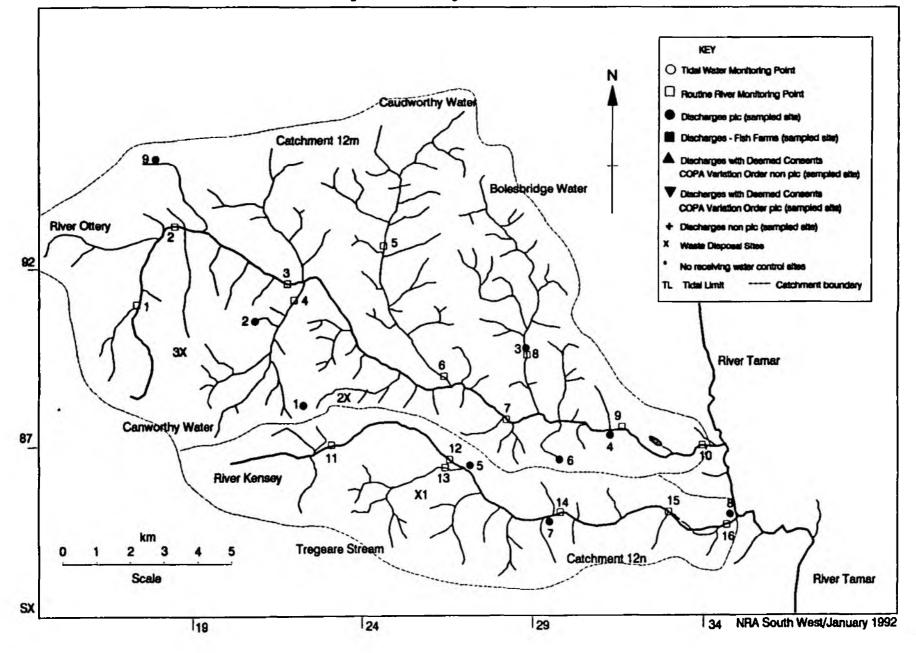
RA South West/January 1992

ł

CLAW, DEER & UPPER TAMAR CATCHMENTS 12J, 12K & 12L (cont)

NO NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
ROU	TINE RIVER	MONITORING		2
23	R12J005	SX34079591	Lana Bridge	Chemical/biological site
24	R12J001	SX32849228	Boyton Bridge	Chemical/biological site
	R12J006	5X34188913	Bridgetown	Chemical/biological site
26		SX352047	Dunstaple Brook	Biological site
25 26 27	R12J002	SX34448833	Druxton Bridge	Chemical/biological site
28	R12J003	SX34838675	Netherbridge	Chemical/biological site
			······································	Dangerous substances control site
29	R12J004	SX35598490	Polson Bridge	Chemical/biological site Dangerous substances site

Ottery & Kensey Catchments 12M & 12N



OTTERY & KENSEY CATCHMENTS 12M & 12N

	NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
	DISC	CHARGES PLC	_		· · · · ·
	1	P12M/P/6	SX22248855	Tresmeer (Splatt)	Sewage treatment works
	2	WSTW4822FE	SX20829060	Warbstow	Sewage treatment works
	3 4	WSTW3220FE	SX28808940	North Petherwin	Sewage treatment works
	4	WSTW3342FE	SX31428733	Yeolmbridge	Sewage treatment works
-	5	WSTW4576FE	SX27068635	Egloskerry	Sewage treatment works
_	6	WSTW4638FE	SX29908660	Langore	Sewage treatment works
	7 8	WSTW4794FE	SX29848498	Tregadillett	Sewage treatment works
		WSTW4644FE	5X35238491	St Leonards	Sewage treatment works
	9	WSTW3306FE	<b>SX18209530</b>	Wainhouse Corner	Sewage treatment works
		TE DISPOSAL			
	1	080APYAL	SX261855	Red Down Quarry, La	
_	2	080ARKAL	SX238884	Tresmeer Railway Cu	utting, Tremaine
	3	080ARSAL	SX187898	Lane End, Warbstow	
	_		<b>__</b>		
		TINE RIVER M			
	1	R12M004	SX17459095	Otterham Mill	Chemical/biological site
	2	R12M005	SX18899328	Trengune Bridge	Chemical/biological site
_	3	R12M001	SX22409173	Canworthy Water	Chemical/biological site
-	4	R12M008	SX22409147	Canworthy Water	Chemical/biological site
	5 6	R12M010	SX24709263	Canworthy Water	Chemical/biological site
		R12M011	SX26768887	Caudworthy Water	Chemical/biological site
	7	R12M002	SX28558777	Hellescott Bridge	Chemical/biological site
	8	R12M012	SX28958920	Bolesbridge Water	Chemical/biological site
	9	R12M006	SX31828738	Yeolmbridge	Chemical/biological site
-	10	R12M007	SX34458682	Ham Mill Bridge	Chemical/biological site
_					Freshwater Fish Directive
	11	R12N003	SX23178692	Badgall Bridge	Chemical/biological site
	12	R12N001	SX26758643	Badharlick Bridge	Chemical/biological site
	13	R12N006	SX26718628	Tregeare Stream	Chemical/biological site
<b>.</b>	14	R12N004	SX29878499	Truscott Bridge	Chemical/biological site
	15	<b>R12N0</b> 05	<b>SX32708511</b>	Newport	Chemical/biological site
	16	R12N002	SX35178478	St Leonards Bridge	Chemical/biological site
_					Freshwater Fish Directive

------

. .

#### 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.