

RIVER PLYM

CATCHMENT ACTION PLAN



National Rivers Authority
South West Region

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MAP OF NRA SW REGION SHOWING TARGET CATCHMENT

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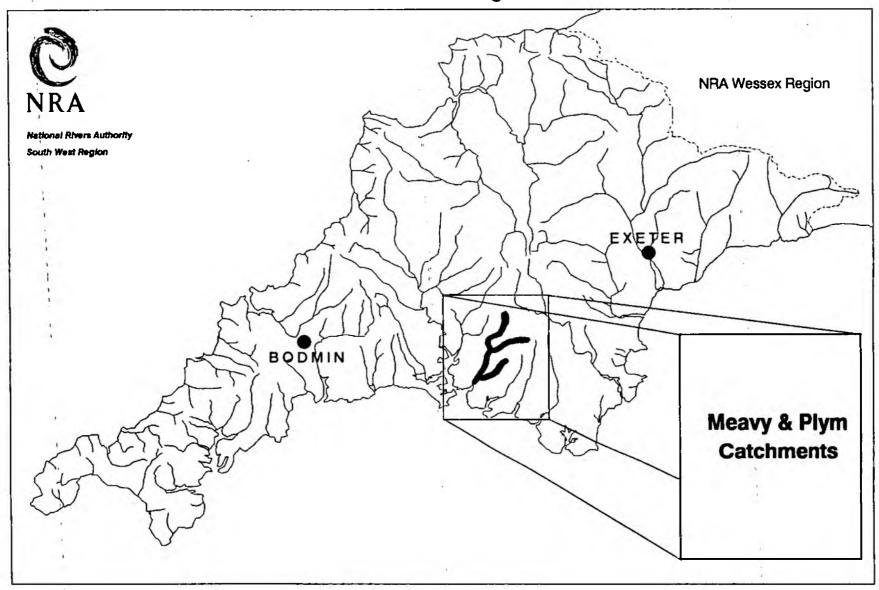
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National Rivers Authority South West Region



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.

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.

CHALLENGES AND ACTIONS

The River Plym drains a catchment area to the east of Plymouth and the Tamar and shares a joint estuary. There is significant impoundment and abstraction in the headwaters but a healthy fish population.

The aims of the plan are to improve fish stocks to pre-1980 levels, extend the range of salmon spawning, ensure healthy fish production is maintained, achieve water quality objectives, review water abstraction arrangements and enforce pollution and water resources legislation.

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	TIMETABLE					
	1991	1992	1993	1994	1995	
PISHERIES						_
Enforce and monitor fixed net legislation.						
Enforce and monitor netting ban for sea fish in estuary.				-		
Consider byelaw to stop snatching for sea fish in tidal waters (DSF).				_		
Survey all weirs and fish passes. Plan and implement fish pass installation and improvements.			-			
Survey for trash dams/ plan/clearance.						
Plan and implement spawning gravel rehabilitation R Meavy.						
Ensure control of sand erosion upstream Cadover Bridge.			 - ·			
Investigate and take remedial action to prevent loss of smolts at	* *			٠١٠ ع - شر		-

Prepare catchment

description.

1991 1992 1993 1994 1995 Review fisheries protection arrangements for Burrator releases and promote increase in prescribed flow for fisheries purposes Programme to be determined Annual juvenile fish population surveys Meavy and regular full surveys. Assess acid run-off effects on fish from moorland and forestry areas. Annual redd count particularly Meavy and upstream Cadover Bridge. Assess effects of Power Station re-opening on migratory fish. Survey possible fish counter site. Continue experiments to introduce salmon to Cad. POLLUTION CONTROL Carry out review of water quality in the catchment. Followed by investigation of causes of noncompliance with water quality objectives and task force programme of remedial action. Develop catchment quality model using QUASAR.

Assess impact of acidic run-off on water quality in headwaters of the catchment and take appropriate action where possible.

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

Review consent for china clay discharges and ensure remedial action is taken.

Develop estuary water quality management plan.

Determine deemed discharge consents.

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 operating arrangements for Burrator reservoir including inter-catchment transfer via Devonport leat and take appropriate action.

Review Ditsworthy Leat abstraction arrangements and promote remedial action.

ACTION	TIMETABLE					
	1991	19 92	1993	1994	19 95	
Re-open Carnwood river gauging station.					·· -	
Construct on River Gauging Station on the River Meavy						

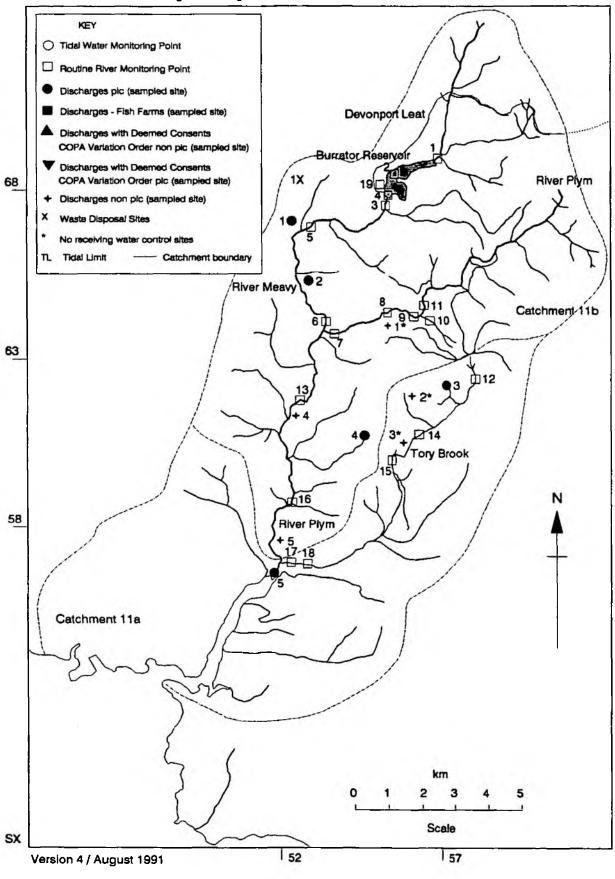
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APPENDIX 1

CATCHMENT MAPS

KEY	
0	Tidal Water Monitoring Point
	Routine River Monitoring Point
•	Discharges plc (sampled site)
	Discharges - Fish Farms (sampled site)
A	Discharges with Deemed Consents - COPA Variation Order non pic (sampled site)
▼	Discharges with Deemed Consents - COPA Variation Order plc (sampled site)
+	Discharges non plc (sampled site)
×	Waste Disposal Sites
TL	Tidal Limit
_	No consider water partral sites

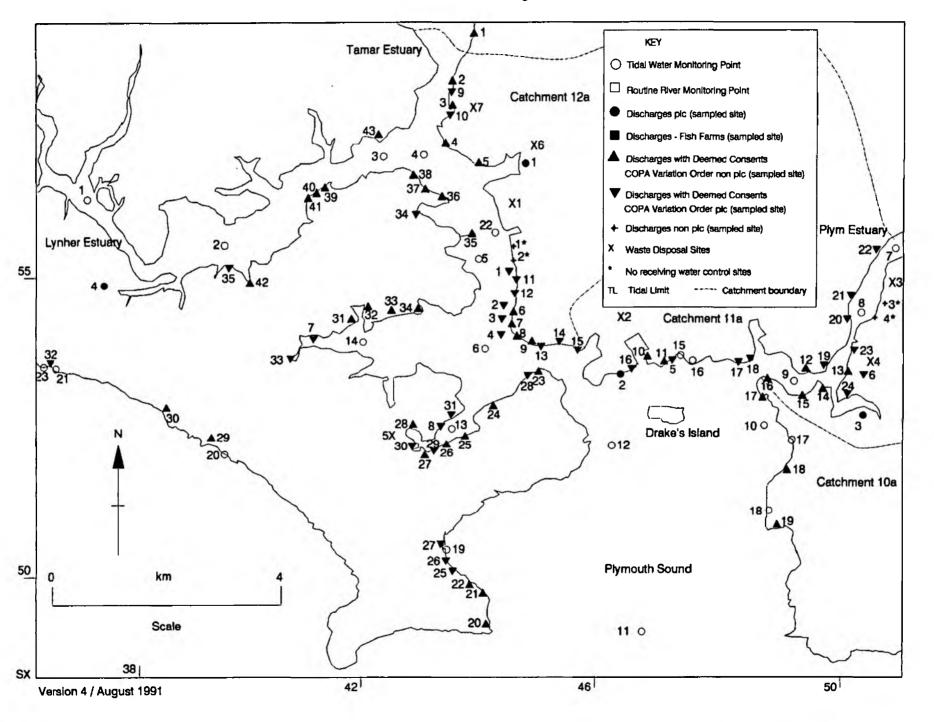
Meavy & Plym Catchments 11A & 11B



MEAVY & PLYM CATCHMENTS 11A & 11B

	NO	REFERENCE		NGR	LOCATION	ADDITIONAL DETAILS
	DISC	HARGES NON I	DT C			and the second second
J		P11B/P/9		306450	Shaugh Lake	China clay works
		P11A/P/14	SY563	206120	Lee Moor Plant	CP 38/6 China clay works
1		P11A/P/4		346020	Portworthy Dam	China clay works
Ì	4	P11B/P/1		206160	Bickleigh	Sewage treatment works
	5	P11B/P/6		05750	Marsh Mills	CP 39/1 China clay works
	J	FIIB/F/O	57720	703730	narsh milis	cr 35/1 china cray works
	DISC	HARGES PLC				
•		WSTW4594FE	SX524	146678	Gratton	Sewage treatment works
		WSTW4544FE		506560	Clearbrook	Sewage treatment works
		WSTW4650FE			Lee Moor	Sewage treatment works
ļ		WSTW4830FE			Wotter	Sewage treatment works
	5	WSTW4728FE	SX520	005630	Marsh Mills	Sewage treatment works
1						Red list site
						Paris commission site
	WAST	E DISPOSAL S	SITES			
	1	11GJ	SX527	7681	Higher Lake Farm, I	Dousland
	_		_	_		
		TINE RIVER MO				
)	1	R11B008		96925	Weir/Burrator Res	Chemical/biological site
	2	R11B028	SX55:	516856	Burrator Res	Chemical site
,	-	5115000	C** F F 1	46701	Dalam Burnahar Bar	Freshwater Fish Directive
	3	R11B009	SX551	146791		Chemical/biological site EC Surface water abstraction
{	4	R11B029 R11B030	PYDDI	1000	Buffacor Reservoir	directive monitoring site
l		R11B030				directive monitoring site
		KIIDUJI	sx551	1680	Burrator Reservoir	Algological site
}	5	R11B010		956704	Gratton Ford Bridge	Chemical/biological site
}	6	R11B011		306375		Chemical/biological site
	•					Freshwater Fish Directive
l:	7	R11B004	SX533	356368	Shaugh Bridge	Chemical/biological site
	8	R11B003		566465	Cadover Bridge	Chemical/biological site
'	_					Freshwater Fish Directive
,	9	R11B002	SX563	396450	Below Blackabrook	Chemical/biological site
	10	R11B007	SX564	166441	Blackabrook	Chemical/biological site
}	11	R11B001	SX564	186446	Above Blackabrook	Chemical/biological site
						Dangerous Substances Directive
	12	R11A001		366173	Tolchmoor Bridge	Chemical/biological site
	13	R11B018		706181	Bickleigh	Chemical/biological site
	14	R11A002		556075	Coleland Bridge	Chemical/biological site
	15	R11A003		556008	Portworthy Bridge	Chemical/biological site
	16	R11B006	SX523	375867	Plym Bridge	Chemical/biological site
						Red list site
						Freshwater Fish Directive
						Dangerous substances site
						Harmonised monitoring point
	17	R11A005		755660		Chemical/biological site
ı	18	R11A004		925655		Chemical/biological site
'	19	R11B032	SX55(006837	Devonport Leat	EC Surface water abstraction
						directive monitoring site

Lower Tamar Estuary 11A & 12A



```
ADDITIONAL DETAILS
                            LOCATION
NO REFERENCE
                    NGR
DISCHARGES NON PLC
                SX44405630
                            Devonport Dockyard Site for current dangerous
    OUT4939
                                                substances
                            Devonport Dockyard Site for current dangerous
   OUT4937
                SX44505620
                                                substances
                                                Red list site
                            Chelson Meadow
                                                Landfill site
3*
    P11A/P/45
                SX50405450
                                                Cement works STW
4 *
   P11A/P/12
                SX50505440
                            Plymstock
DISCHARGES PLC
   WSTW4722FE
                SX44505712
                            Camels Head
                                                Sewage treatment works
                                                Site for current and proposed
                                                dangerous substances
                                                Red list site
                                                Paris commission site
2
                                                Outfall
    OUT4940
                SX46715346
                            Eastern Kings
                                                Site for current dangerous
                                                substances
   WSTW4726FE
                SX50195283
                            Radford
                                                Sewage treatment works
                                                Red list site
   WSTW4765FE
                SX37405490
                            Sheviock
                                                Sewage treatment works
DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER NON PLC
    P12A/P/146 SX44015926
                            Ernesettle Plymouth RNAD
1
                            Ferndale Saltash Passage
    P12A/P/58
                SX43725872
                SX43705851
                            900/902 Wolseley Rd
    P12A/P/59
    P12A/P/100
               SX43655860
                            891 Wolseley Rd
    P12A/P/61
                SX43705849
                            898 Wolseley Rd
    P12A/P/69
                SX43705852
                            904/906 Wolseley Rd
3
    P12A/P/60
                SX43615818
                            863 Wolseley Rd
    P12A/P/70
                SX43605840
                            885 Wolseley Rd
    P12A/P/71
                SX43605832
                            865/867 Wolseley Rd
    P12A/P/145
                SX43415761
                            RNAD Bullpoint
                SX43895731
                            RNAD Bullpoint
    P12A/P/155
                SX44875508 Morice Yard Devonport
    P12A/P/111
                SX44785501
                            Morice Yard Devonport
    P12A/P/112
                SX44745503
                            Morice Yard Devonport
    P12A/P/128
                            Morice Yard Devonport
    P12A/P/113
                SX44785492
                            Morice Yard Devonport
    P12A/P/129
                SX44735480
    P12A/P/114
                SX44735467
                            South Yard Devonport
    P12A/P/115
                SX44725465
                            South Yard Devonport
    P12A/P/116
                SX44705459
                            South Yard Devonport
    P12A/P/117
                SX44705452
                            South Yard Devonport
                SX44695443
                            South Yard Devonport
    P12A/P/118
    P12A/P/119
                SX44685433
                            South Yard Devonport
    P12A/P/120
                SX44785421
                            South Yard Devonport
    P12A/P/121
                SX44815433
                            South Yard Devonport
    P12A/P/131
                SX44825407
                            South Yard Devonport
                SX44805414
                            South Yard Devonport
    P12A/P/122
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South Yard Devonport

P12A/P/123

SX44875404

```
DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER NON PLC
    P12A/P/124
                 SX44995398
                              South Yard Devonport
    P12A/P/125
                 SX45015395
                              South Yard Devonport
    P12A/P/126
                 SX45115393
                              South Yard Devonport
    P12A/P/127
                              South Yard Devonport
                 SX45155393
                              South Yard Devonport
    P12A/P/130
                 SX45025392
10
    P11A/P/92
                 SX47015360
                              Millbay Pier
    P11A/P/48
                 SX47755360
11
                              Hoe Swimming Pool
12
    P11A/P/18
                 SX49085357
                              Cattewater Harbour
    P11A/P/100
13
                 SX50105385
                              DWO Depot
14
    P11A/P/98
                 SX49445323
                              Turnchapel
    P11A/P/90
15
                 5X49055317
                              Mountbatten
16
    P11A/P/89
                 SX48955323
                              Mountbatten
    P11A/P/85
                 SX48825305
                              Mountbatten
    P11A/P/86
                 SX48705310
                              Mountbatten
17
    P11A/P/88
                 SX48615337
                              Mountbatten
    P11A/P/87
                 SX48585337
                              Mountbatten
18
    P10A/P/29
                 SX49155196
                              Fort Stadden
19
    P10A/P/28
                 SX48675070
                              Fort Bovisand
20
    P12A/P/49
                 SX44334890
                              Penlee Point
                                                  Fog signal station
21
    P12A/P/153
                 5X44134949
                              Pier Cellars
22
    P12A/P/151
                 SX44074957
                              Pier Cellars
    P12A/P/152
                 SX44104955
                              Pier Cellars
23
    P12A/P/55
                 SX45305350
                              Cremyll Shipyard
24
    P12A/P/52
                 SX44505290
                              Bay Cottage & Mount Edgcumbe Fm
    P12A/P/53
                 SX44505310
                              Empacombe House
    P12A/P/54
                 SX44605310
                              Empacombe Cottage
25
    P12A/P/51
                 SX43705240
                              1-3 Wood Park Cottages
    P12A/P/74
                              Weir Cottage Millbrook
                 SX43825231
    P12A/P/75
                 SX43825231
                              3 Weir Cottages
    P12A/P/96
                 SX43765225
                              Sprindthrift Lower Anderton
    P12A/P/73
26
                 SX43535220
                              Woodpark Millbrook
27
    P12A/P/57
                 SX43175224
                              1 Foss Cottage
28
    P12A/P/50
                 SX42905250
                              Mill Fm Mill Lane
29
    P12A/P/95
                 SX39865198
                              Chalets at Freathy
30
    P12A/P/154
                 SX38255280
                              Tregantle Fort
31
    P12A/P/33
                 SX42005456
                              HMS Raleigh Fire Pan
                              HMS Raleigh
32
    P12A/P/147
                 SX42205462
    P12A/P/148
33
                              HMS Raleigh
                 SX4275448
    P12A/P/149
                              HMS Raleigh
34
                 SX42905450
35
    P12A/P/150
                 SX44105592
                              Yonderbury Point
                              1-4 Pato Point Wilcove
36
    P12A/P/92
                 SX43475643
37
    P12A/P/101
                 SX43255675
                              Point Bullock Diamond Works
38
    P12A/P/76
                 SX43295670
                              Point Bullock Diamond Works
    P12A/P/80
                 SX43295667
                              Cove Lodge Defiance site
39
    P12A/P/93
                 SX41505689
                              Jupiter Point Ctge Nr Antony
40
    P12A/P/156
                 SX41305660
                              Antony House Torpoint
41
    P12A/P/56
                 SX41135655
                              Antony House Torpoint
42
                 SX40195517
    P12A/P/77
                              Clift, Antony
43
    P12A/P/94
                 SX42955769
                              1-3 Wearde Quay, Cliff Ctge
                              Maryfield View, Weare
```

LOWER TAMAR ESTUARY 11A & 12A (cont)

DISC	HARGES WITH	DEEMED CONSE	ENTS - COPA VARIATIO	ON ORDER PLC	1 -
1	OUT4972	SX44565590	St Levan Road	Outfall	
				Site for current	and proposed
				dangerous substar	ices
2	OUT4922	sx44735535	Albert Road	Outfall	
_				Site for current	dangerous
				substances	
3	OUT4952	SX44775498	Marlborough Street		
,	0014932	DATTITIO	mariborough bereet	Site for current	dangerous
				substances	adiigerous
4	OUT4942	SX44655420	Edinburgh Street	Outfall	
4	0014942	SA44033420	Edinburgh Street		dancerous
				Site for current	dangerous
_	0	a	••	substances	
5	OUT4978	SX47195335	West Hoe	Outfall	
				Site for current	
				dangerous substar	nces
				Red list site	
6	WSTW4720FE	sx50105402	Billacombe	Sewage treatment	
				Site for current	dangerous
				substances	
7	WSTW4786FE	SX41465405	Torpoint (Trevol)	Sewage treatment	works
			•	Site for current	
				dangerous substar	
8	OUT4920	sx30269909	Millbrook	Outfall	_
Ū	0011720			Site for current	dangerous
				substances	24.30.000
9	OUT4964	SX43685865	Normandy Hill	Outfall	
10	OUT4968	SX43655844	St Budeaux Wharf	Outfall	
10		SX43615841	Little Ash Gardens		
11	OUT4951			Outfall	
11	OUT4962	SX44785525	Pottery Road		
12	OUT4936	SX44795469	Cornwall Street	Outfall	
13	OUT4956	SX45295394	Mutton Cove	Outfall	4
14	OUT4954	SX45685398	Mountwise Plymouth		
15	OUT4958	SX45845386	Ocean Court	Outfall	
16	OUT4980	sx46795365	West Millbay	Outfall	
17	OUT4934	SX48085365	Citadel	Outfall	
18		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	Kingsand/South	Outfall	
27	OUT4918	SX43635058	Kingsand/North	Outfall	
28	OUT4912	SX45395350	Cremyll	Outfall	
26 29	OUT4912	SX43395330	Millbrook/Anderton		
		SX43305220 SX43095222	Millbrook Village	Outfall	
30	OUT4917		Southdown B		
31	OUT4986	SX43515261		Outfall	
	OUT4987	sx43625261	Southdown C	Outfall	

```
DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER PLC
32
    OUT5064
                 SX35625366
                             Portwrinke
                                                Outfall
33
   WSTW4756FE
                SX40945374
                             St John
                                                Sewage treatment works
34
    OUT4982
                 SX43205645
                             Willcove
                                                Outfall
35
    WSTW4502FE SX39605520
                             Antony
                                                Sewage treatment works
WASTE DISPOSAL SITES
    11AM
                SX448568
                             North Down Crescent, Plymouth
1
2
    11FT
                             Stonehouse Playing Field, Stonehouse
                SX465547
3
    11BZ
                SX510548
                             Chelston Meadow, Plymouth
4
    11AN
                SX511543
                             Plymstock Works, Plymouth
5
    08NL
                SX425525
                             Millpool, Millbrook
                             Weston Mill, Plymouth
6
    11FL
                SX457578
7
                             Weston Mill Road, St Budeaux
    11FM
                SX447586
TIDAL WATER QUALITY MONITORING POINT - ESTUARY QUALITY
                             By Sheviock Wood
    E12A13
                 SX37455625
                                                Routine monitoring site
    E12A11
                 SX42205735
                             By Antony Passage Routine monitoring site
3
    E12A12
                                                Routine monitoring site
                 SX40005600
                             Mid Estuary
                             Off Wilcove
                                                Routine monitoring site
4
    E12A7
                 SX43255730
                             Dockyard
5
    E12A6
                 SX44255580
                                                Routine monitoring site
                             Lower Estuary
6
    E12A5
                 SX44505400
                                                Routine monitoring site
                                                Routine monitoring site
7
    E11A3
                SX51355580
                             By Saltram House
8
    E11A2
                 SX50155436
                             Laira Bridge
                                                Routine monitoring site
9
    Ellal
                 SX49005340
                             Cattewater
                                                Routine monitoring site
                 sx48305215
                             Jennycliff Bay
                                                Routine monitoring site
10
    E12A8
11
    E12A3
                 SX46824950
                             Plymouth Sound
                                                Routine monitoring site
12
    E12A4
                 SX46505215
                             Br/Plymouth Sound Routine monitoring site
                             Millbrook Lake
                                                Routine monitoring site
13
    E12A9
                 SX43605240
14
    E12A10
                 SX42555425
                             St Johns Lake
                                                Routine monitoring site
TIDAL WATER QUALITY MONITORING POINT - BATHING WATERS
                             Plymouth Hoe/West EC identified bathing water
15
    ECB0421
                 SX475537
                             Plymouth Hoe/East EC identified bathing water
    ECB0420
                 SX478537
16
                 SX49155225
                             Jennycliff Bay
                                                Non-identified bathing water
17
    B0415
                                                EC identified bathing water
18
    ECB0410
                 SX493505
                             Bovisand Beach
19
                 SX43425020
                             Cawsand Bay
                                                Non-identified bathing water
    B0425
                             Whitsand Bay
                                                Non-identified bathing water
20
    B0426
                 SX39605205
                             Portwrinkle Beach EC identified bathing water
21
    ECB0430
                 SX359538
TIDAL WATER QUALITY MONITORING POINT - BIOTA SAMPLING
                 SX44105600 Hamoaze
                                                 Bioaccumulation Programme
22
    SF023
    SF002
                 SX35305390
                             Port Wrinkle Beach Bioaccumulation Programme
23
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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.

PISHERIES

- 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.