

WEST AND EAST LYN RIVERS

CATCHMENT ACTION PLAN



NRA

*National Rivers Authority
South West Region*

C O N T E N T S

✓

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

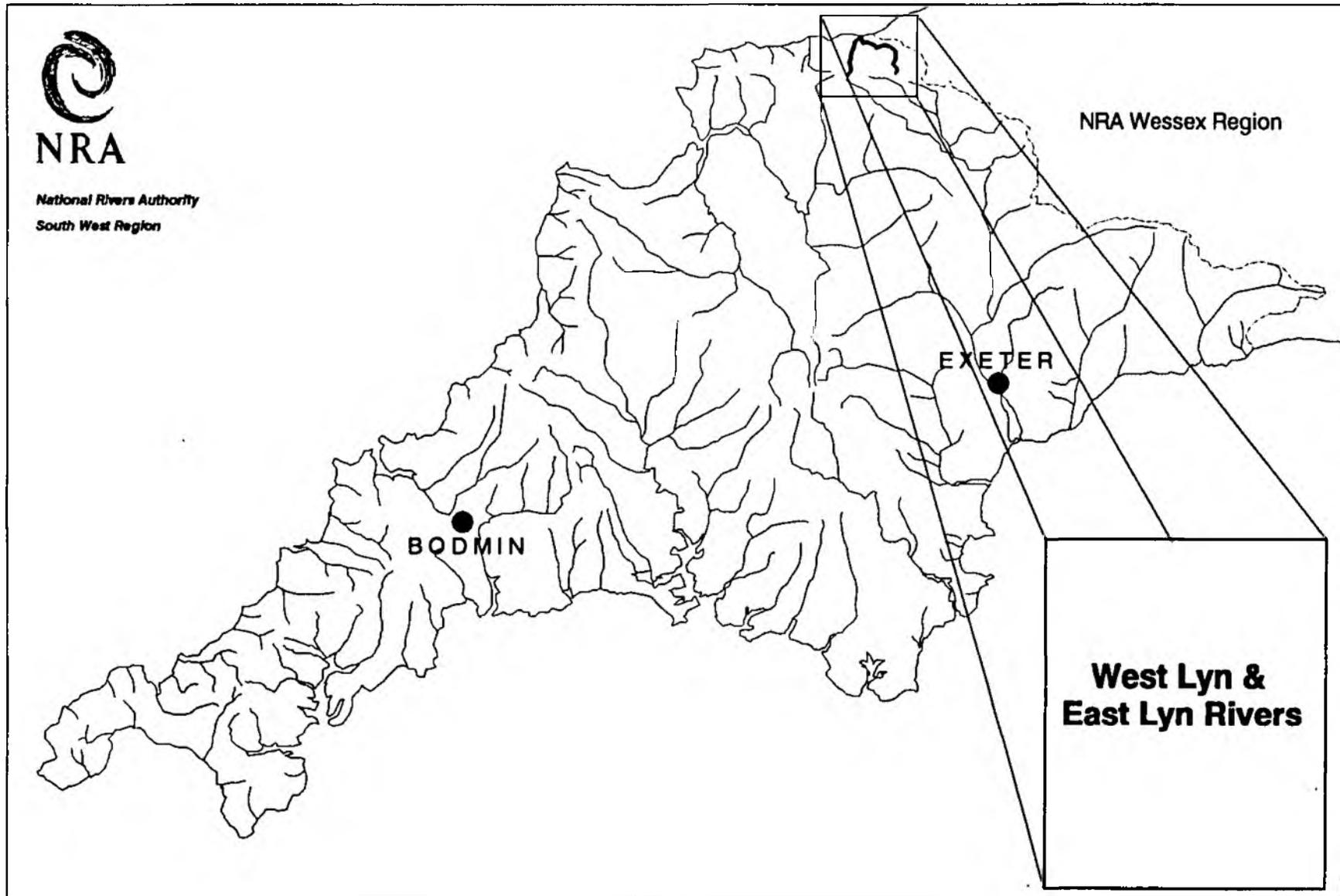


National Rivers Authority South West Region



NRA

*National Rivers Authority
South West Region*



West Lyn & East Lyn Rivers

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.

RIVERS WEST AND EAST LYN CATCHMENT ACTION PLAN

3. CHALLENGES AND ACTIONS

The West and East Lyn rivers meet the sea at Lynmouth. They support a healthy fish population and are among the cleanest rivers in the South West Region. The Watersmeet and Glenthorne Fisheries are operated by the NRA.

The aims of the plan are to improve salmon and trout stocks; to achieve water quality objectives and enforce fisheries and pollution control 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.

<u>ACTION</u>	<u>TIMETABLE</u>				
	1991	1992	1993	1994	1995
<u>FISHERIES</u>					
Enforce and monitor fixed net legislation.					
Enforce legislation and monitor catches of licensed salmon trap.					
Take advantage of any opportunity to purchase sole and several rights.					
Implement changes to NRA fishery regulations:-					
a) To restrict salmon fishing to 1 March - 30 September for 3 years and review.					
b) Withdraw season permits for salmon for 3 years and review.					
c) Consider other measures if a) and b) prove insufficient.					
Survey all weirs/fish passes. Plan and implement fish pass installations/improvements.					

ACTION

TIMETABLE

1991 1992 1993 1994 1995

FISHERIES CONTINUED

Survey for trash dams and clear.

Plan and implement spawning gravel rehabilitation.

Consider effects of water quality on spawning areas and seek remedial measures where appropriate.

Regular full juvenile surveys.

----- Programme to be determined.

Annual redd counts to assess effects of stock management.

Survey possible fish counter site.

Monitor effects of fish farming and power generation on fish stocks.

POLLUTION CONTROL

Carry out review of water quality in the catchment.

Identify causes of non-compliance with water quality objectives and take remedial action.

Seek improvements to the Brendon/Rockford sewerage system.

Lynmouth pre-scheme appraisal.

Prepare catchment description.

ACTION

TIMETABLE

1991 1992 1993 1994 1995

Determine deemed discharge consents.

Baseline water quality survey of groundwater to establish:-

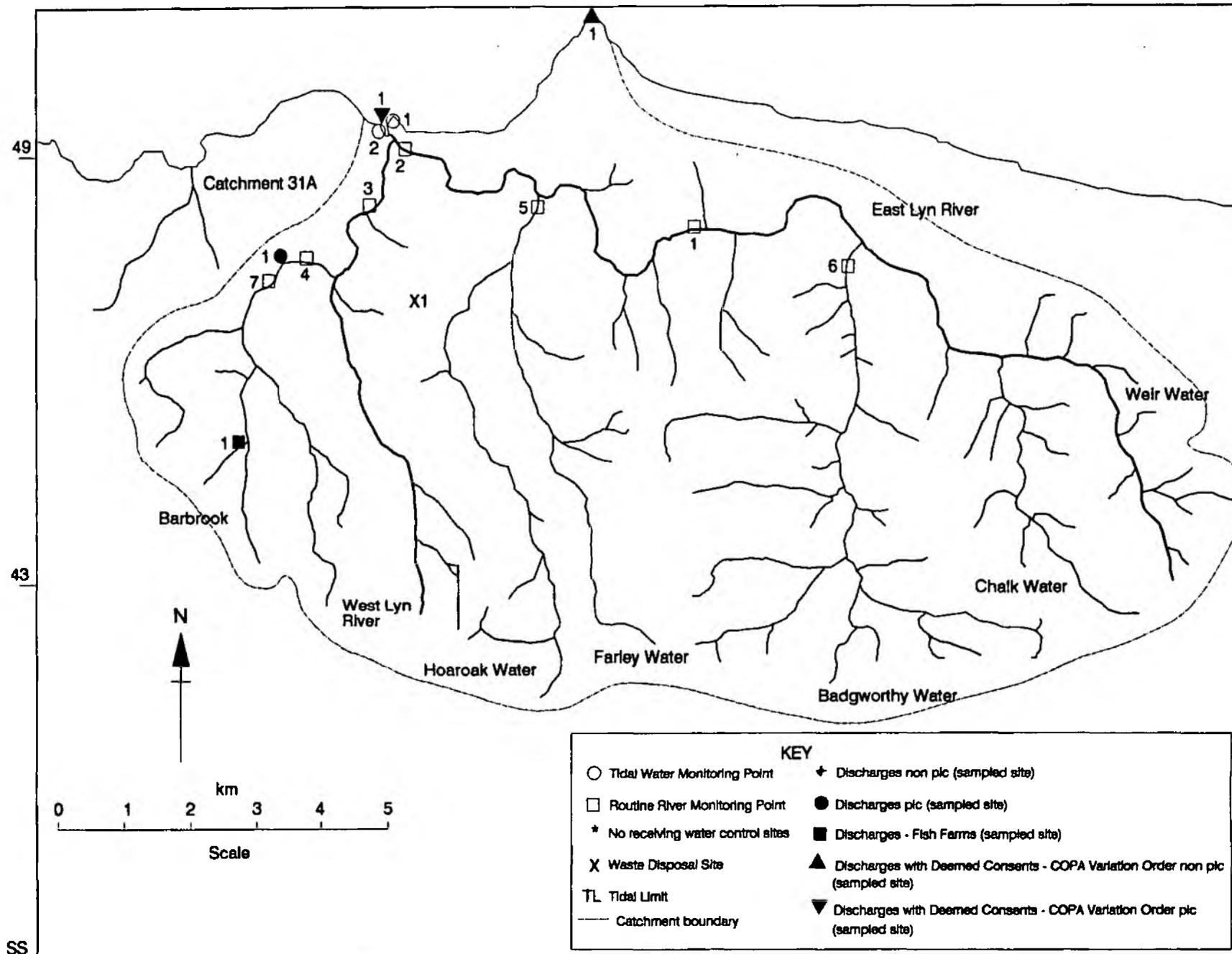
a) suitability for potable use.

b) extent of contamination by substances controlled by E.C. Directives.

WATER RESOURCES

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

Lyn Catchment 32A



SS

LYN CATCHMENT 32A

NO	REFERENCE	NGR	LOCATION	ADDITIONAL DETAILS
DISCHARGES PLC				
1	WWTW3823DI	SS70774782	Lynton	Water treatment works

DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER NON PLC				
1	32A/P/400	SS75325112	Foreland Point, Lighthouse	

DISCHARGES WITH DEEMED CONSENTS - COPA VARIATION ORDER PLC				
1	OUT3550	SS72375006	Lynmouth	Outfall

FISH FARMS				
1	P32A/P/1	SS686463	Lyn Valley Trout Farm	

WASTE DISPOSAL SITES				
1	11BT	SS727473	Lyn Down, Lynton	

TIDAL WATER QUALITY MONITORING POINT - BATHING WATERS				
1	ECB1090	SS72504975	Lynmouth Beach	EC identified bathing water
2	ECBR1090	SS72304967	River Lyn at Beach	Watercourse to beach

ROUTINE RIVER MONITORING				
1	R32A001	SS76974829	Leeford	Chemical/biological site
2	R32A002	SS72404946	Lynmouth	Chemical/biological site
				Freshwater Fish Directive
3	R32A003	SS71984854	Lyn Bridge	Chemical/biological site
				Freshwater Fish Directive
4	R32A006	SS70874781	Dean	Chemical/biological site
5	R32A004	SS74354858	Watersmeet	Chemical/biological site
6	R32A005	SS79184770	Malmhead Bridge	Chemical/biological site
7	R32A011	SS70474759	Weir Lyn River	EC surface water abstraction
				directive monitoring 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.