

NATIONAL RIVERS AUTHORITY

WELSH REGION

1994/95 - DRAFT REGIONAL PLAN



WELSH REGION

21 January 1994

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ENVIRONMENT AGENCY



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PROGRESS 1993-94

For the NRA, 1993-94 has been very much the year of "Market Testing". Welsh Region has examined this initiative with an open mind, but always with the prime objective of retaining organisational cohesion : providing an integrated, effective service in a Value for Money environment.

The Flood Defence Internal Business Units have been set up with Business Plans in place and the new arrangements are working smoothly. In the Laboratory Service and Transport and Plant Maintenance, where staff have been displaced, the Personnel issues have been handled in a relatively straightforward fashion with people adopting a professional attitude to the opportunities presented. Several have been assimilated into the Client side, often with a change in career direction.

Throughout this process, we have taken care not to be distracted from the need to maintain business as usual. We have carried through a Work Programme which recognises the importance of holding a clear strategic line while at the same time exploiting opportunities as they present themselves, particularly where benefits can be gained from collaborative working. Key achievements are as follows :-

- o Consultation Plans have been, or will have been, produced for nine catchments; the Final Plan for the Conwy is scheduled for production in March.
- o The Regional Abstraction Licensing Database was commissioned in April and will form the basis for the National System.
- o Proposals for a Water Protection Zone for the River Dee have been the subject of wide public consultation;
- o The Region has agreed a joint approach with Dwr Cymru regarding AMP2 investment, which stresses the need to undertake discretionary work ahead of EC driven work, on the basis of environmental gain. This approach has been put to the Secretary of State for Wales and a response is anticipated this month (January).
- o In a joint initiative with West Glamorgan County Council, we have been successful in attracting EC funding for the restoration of the River Pelenna; this project will provide key information of general importance for the treatment of minewaters elsewhere in the EC.
- o Major Flood Defence capital schemes have been completed at Whitland (SW Wales) and Sion Street Pontypridd (so recently the scene of major flooding problems).
- o Severe flooding incidents have been successfully coped with at Llandudno (return period estimated at 1 in 1000 years!) and Cardigan.
- o A major Fish Pass has been constructed on the Conwy Falls, principally with Welsh Office funding; the opportunity has been taken to install a key gauging station within the pass at minimal additional cost.

1 RGM's EXECUTIVE SUMMARY

- o Within Fisheries Enforcement a Criminal Intelligence System has been developed, and presented to Regional Committees with great approval; this system represents the key to improving standards of service at a time when manpower is being reduced.
- o Proposals for the Control and Registration of Craft on the River Wye have been endorsed by Regional Rivers Committee; initial consultation has taken place regarding byelaws controlling the speed of craft.
- o 760 Km of Strategic River Corridor Survey have been undertaken, along with a number of collaborative Conservation Schemes, including a Wetlands Strategy for Anglesey.
- o Phase 1 of the refurbishment of the North Training wall in the Dee Estuary Navigation is scheduled for completion by the end of the year.

In addition to these "Real World Targets", the Region has implemented or contributed to organisational change in the following areas :-

- o The PIN on Project Management Procedures was implemented from November 1993, with a controlling framework firmly in place.
- o A Time Recording System has been introduced for all staff; this will provide key information in relation to Market Testing and Operational Performance generally.
- o The National Cost Attribution Model has been piloted in the Dee Catchment and Regional staff have made a significant contribution to the debate regarding the allocation of costs between Water Resources and Water Quality.

KEY ISSUES AND PRIORITIES 1994-95

Where 1993-94 was the year of Market Testing, 1994-95 will be the year of detailed planning for the Environment Agency. It is important that the NRA enters 1994-95, with a clear strategy for Market Testing in place, so that Management can refocus on this new priority and present a coherent position in discussions with DoE, HMIP and the Waste Regulators.

Against this general backcloth, the following key issues must be tackled. In several cases these reflect the nature of the Region, or a Regional approach to a general problem.

- o Consultation Plans will be produced for six catchments; Final Plans will be produced for eleven catchments.
- o The Regional Water Resources Strategy will be refined; input to the National Water Resources Strategy will be provided.
- o A Groundwater Monitoring Network will be developed, to improve our understanding of aquifers in the Region.

- o Enviromental improvements will be realised through Consent Review; Regional Strategies for prioritising investment will be applied.
- o Formal designation of the S93 Dee Protection Zone will be sought.
- o Surveys under S105(2) of the Water Resources Act 1991 will commence after identifying priorities with Local Authorities.
- o WAMS will be implemented in Welsh Region, as one of the two pilot Regions; this will have considerable resource implications for Water Quality, Water Resources and Information Systems staff.
- o In the Northern Area, major Flood Defence Schemes will be completed at Dinas Dinlle and Afon Wydden, this latter scheme being a consequence of the severe flooding at Llandudno Junction. In the SW Area a major Scheme will be undertaken on the Dafen.
- o The Tidal Warning System will be extended from North Wales to all three Areas.
- o We will participate in the rehabilitation of the Taff Valley, and have already contacted key local organisations, inviting participation in a vision to restore the Migratory Salmonid Fishery.
- o Within Fisheries Enforcement, the Criminal intelligence System will be implemented.
- o Improvements will be completed to the course at Canolfan Tryweryn, in preparation for the World Whitewater Canoeing Championships in 1995.
- o New procedures will be agreed for the incorporation of Conservation requirements in Flood Defence Revenue contracts.
- o Refurbishment of the Dee Estuary North Retaining wall will be completed and future management of the Navigation agreed with the Department of Transport.
- o The Wye Byelaw package will be prepared for formal promotion.

USE OF RESOURCES

The Region believes strongly in the oft quoted maxim that an organisation's greatest resource is its people. The Senior Manager population, down to the third tier, is regarded as a team and is consulted through regular formal seminars in order to drive organisational change via a thought out approach. this approach parallels the National approach whereby Senior Regional Staff are used to steer certain National Initiatives. In this Region, for example, the South West Area Manager has prepared the specification for Information Systems, as part of the Market Testing initiative.

1 RGM's EXECUTIVE SUMMARY

Against this background, the Region has a Manpower Plan that aims to make the best use of human resources. Voluntary Severance applications have been approved and work reshuffled to ensure continued efficiency. A Regional Training Plan has been implemented which seeks to progress the concept of Personal Development Plans.

In meeting the new Manpower Control Numbers, the opportunity has been taken to make a controlled reduction in Fisheries Enforcement staff. Such an approach has only been made possible through equipping the remaining workforce with modern equipment and by pioneering the use of Criminal Intelligence data in targetting resources.

Conscious of the need to demonstrate efficiency, the Region has devised a novel approach to Efficiency Savings, which should ensure the achievement of 2.5% efficiency gains, over and above any contribution to the National Savings Package implicit in its budget allocation. Described elsewhere in this Plan, this approach will also identify unambiguously where the rewards of the process have been ploughed back into the business, to the benefit of the environment.

Regarding Regional Income, the Region has returned £1.2 million of Flood Defence Levies in 93-94, as a contribution to the run down of Committee balances. On the Water Resources front, the Unit Cost for 94-95 is planned to be the same as for 93-94, with increases in line with inflation thereafter; balances will be eliminated by April 1995. Income assumptions for Fisheries will have to be closely monitored throughout the year, given the change in the licence structure and Regional experience in 93-94.

REGIONAL ORGANISATION

The Region implemented an integrated structure in April 1992, with a multifunctional approach at the Area level. The restructuring has improved interfunctional understanding and is producing a unified and integrated decision making process, focused on the Area delivery of service. Future activities and plans are also enhanced by the overview inherent in these new cross function links, and will be delivered through the Catchment Management Plans.

The integrated approach will be further developed within Areas, to enhance service delivery and facilitate such concepts as the "one stop shop", and single contact point for customers. The process will continue to build upon this year's organisational efficiency review, that has seen a reduction in manpower levels of 33, together with a more focussed and directed delivery of service.

ACCOMMODATION AND INFRASTRUCTURE

The Region's plans for changes in accommodation and infrastructure are summarised in table presented at the end of Section 2 of this Plan.

MARKET TESTING AND ENVIRONMENT AGENCY

MARKET TESTING

The Region is committed to delivering the organisational objectives for Market Testing.

Laboratory and Transport & Plant

The closure of the Caernarfon Laboratory and the externalisation of Transport and Plant maintenance, was achieved without resorting to compulsory redundancies, and all displaced employees were accommodated by redeployment and relocation. Any further substantial manpower reduction will be progressively more difficult to achieve within the MT success criteria, although the restriction on increasing the number of permanent employees will help to reduce the scale of the problem.

Flood Defence Internal Business Units

The separation of Flood Defence into Client and Provider arms has been successfully achieved, and is operating well, with a more directed and focused management structure. Business Plans were established by the end of September and draft Service Level Agreements have been agreed with the

Support Services. The need to review terms and conditions of employees has been identified as a major issue; it is hoped that this can be progressed through a framework agreed at National level. Development of a strategy for competing externally, and the many issues surrounding ownership and leasing of assets, will both receive our attention during the coming year.

Future Programme

To deliver the future Market Testing Programme on time, the Region has allocated resources and developed an original approach to prepare the way for successful introduction of Market Testing across the Region. The generic view of Market Testing combines the benefits of "Value for Money" and an "Integrated Approach", to ensure continuity and consistency within our planned organisational development in conjunction with a more business like approach to our management imperatives. It has been agreed that the Region should pilot this generic approach.

To manage the Market Testing process a formal controlling framework has been established with project boards for each of the generic groupings, reporting to a Project Assessment Board of the Regional Management Team and the Region's Market Testing Unit.

ENVIRONMENT AGENCY

The Regional Environment Agency Project Board, which was established in 1993, with the Regional Technical Manager as the Project Executive, will continue to be the focus of activity in the Region as migration towards the Agency builds up momentum. A member of staff, seconded from the Environmental Quality function, will continue to support the Project Board, the Executive and the National Agency Steering Group as required. Following the government's announced intention to introduce paving legislation in early 1994, it is anticipated that activity associated with establishment of the Agency will increase significantly during 1994/95. Additional resources to support the Project Board will be considered as the need arises.

The appointment of consultants to identify and evaluate options for the Agency's geographical and managerial structure is a key step in the process. The Region will prepare for this consultation exercise in order to make an effective contribution at the Regional and National level.

The issue of the boundary of the Agency in Wales continues to be one of major concern. The Welsh Office have submitted proposals setting out the arrangements for the Agency in Wales, particularly with respect to the special responsibilities of the Secretary of State for Wales. Decisions on the boundary and organisational structures have been deferred to the Organising Committee, the Shadow Board of the Agency.

In order to demonstrate the feasibility of retaining integrated river basin management and multifunctional catchment planning in the Agency, whilst also satisfying the requirement that the whole of the Agency in Wales be accountable to the Secretary of State for Wales, a draft Memorandum of Understanding has been agreed and implemented between the Welsh and Severn

2 EFFECTIVE SERVICE DELIVERY

Understanding has been agreed and implemented between the Welsh and Severn Trent Regions of the NRA. This memorandum covers that area of the Upper Severn catchment situated in Wales. The Region will continue to implement the MoU and will further develop reporting and planning liaison arrangements with the Upper Severn Area Management.

Contacts with HMIP at a regional and area/technical level will continue to be fostered in order to establish good working relationships, effective implementation of integrated pollution control and to prepare for the merger.

Contacts and discussions with elected members and officers of the 40 Welsh District Councils, who are associated with waste regulation, and with the waste management industry which they regulate, will be further pursued and developed. The Region will support, where possible, the Welsh Office initiative to identify the staff, assets and other requirements necessary for the successful transfer of the waste regulation to the Agency.

NRA WELSH REGION : ACCOMMODATION PLANS 1994-95

LOCATION	TYPE OF SITE	STATUS	DATE	COMMENTS
Bala (WR & IBU)	Office	Disposal	94/95	Rationalisation to account for market value exceeding existing use value of property.
Bala (WR)	Office	Aquisition (Lease)	94/95	
TBD (IBU)	Office	Aquisition (Lease)	94/95	
Bangor	Office	Disposal	94/95	Rationalisation to 'single site'. Report currently being prepared for DoE consideration.
Caernarfon	Office/ Lab	Disposal	94/95	
Bangor	Office	Aquisition	94/95	
Abacus House	Office	TBD	95/96	Current lease terminates 31.3.95.
Frobisher Road	Office/ Depot	TBD	94/95	Dependant on review of IBU accommodation requirements.
Llangunnor Depot	Office/ Depot	TBD	94/95	Dependant on review of IBU accommodation requirements.
Coychurch	Garage/Office & Depot	TBD	94/95	Dependant on review of IBU accommodation requirements T&P depot may not be disposed of solely.

WR : Water Resources
 IBU : Flood Defence Internal Business Unit
 TBD : To Be Decided

3 TOP PRIORITY CORE FUNCTION TARGETS

FUNCTIONAL PRIORITIES

MULTIFUNCTIONAL

The Regional priorities in respect of Multifunctional activities are :-

- o Produce via specified milestone dates six consultation and eleven final catchment management plans.
- o Actively promote the adoption by local Planning Authorities of level use policies based upon the NRA's Evidence Notes to Local Planning Authorities.
- o Promote a positive awareness by Local Planning Authorities of the Region's policy requirements, notably for groundwater protection, water quality objectives and flood defence.
- o In liaison with the public relations department produce more information leaflets per Area.

WATER RESOURCES

The Region's Water Resources priorities have been developed in line with National priorities. In particular, the joint project with Northumbria and Yorkshire Region to develop a licence determination policy has a major potential benefit for the NRA as a whole. Indeed, With its particular topographical, hydrological, hydrogeological and political character, the Region is playing an important part in the development of solutions to a variety of complex Water Resources problems. These include Resources Management & Operations, Hydropower & Barrage Proposals and Computer Software & Databases.

- o Implement the National Water Resources Strategy, so as to ensure the effective regulation, monitoring and management of the water resources of Welsh Region.
- o Provide Hydrological, Groundwater and Water Resources expertise for the whole of the NRA's Statutory Functions within the Region, and throughout the NRA.
- o Progress and refine the Regional Water Resources Strategy and provide input to the National Water Resources Development Strategy.
- o Undertake an efficiency review of Hydrometry and prepare for Market Testing.
- o Progress Regional and National Licensing Policy (incorporating River Flow Objectives work), and Procedural Handbook developments.
- o Commence implementation of the Surface Water Yield Methodology.

3 TOP PRIORITY CORE FUNCTION TARGETS

- o Ensure regulating reservoirs are operated according to the Section 20 Agreements and the Operating Manuals with Dwr Cymru.

WATER QUALITY

The Welsh Region Water Quality Function has identified a number of key priorities which it will seek to implement, as part of the overall National Strategy developed by the NRA. These reflect the National "Must Do" targets for the Function in addition to a number of identified Regional initiatives. Their achievement should enable the Function to provide a more efficient and effective operation through the pro-active targetting of resources whilst ensuring the continuing improvement in the quality of controlled waters within the Region.

- o To effect the introduction of WQO's
- o To continue effective Regional and local liaison with HMIP to ensure the implementation of IPC whilst safeguarding the environment.
- o To effect environmental improvements through Consent Review in line with National initiatives and the development and implementation of Regional discharge strategies.
- o To ensure the Region makes an effective contribution to the NAO review of farm pollution and takes the necessary action to meet the NRA and subsequent NAO recommendations for improvements.
- o To undertake a review of monitoring programmes, procedures and techniques to make effective use of resources and to prepare for the 1995 GQA assessment.
- o To introduce effective systems to ensure the provision of satisfactory services by the National Laboratory Service for the Welsh-Region.
- o To ensure the Region meets the requirements for the successful implementation of WAMS.
- o To seek to improve Pollution Prevention activities within the Region.
- o To ensure the Welsh Region Water Quality Function complies with the Market Testing programme requirements.
- o Implement the requirements of the Internal Audit of consenting.

Regional Water Quality bids for 94-95 are summarised in the table presented at the end of Section 3 of this Plan.

FLOOD DEFENCE

The Regional Priorities are linked to the NRA's Mission, Aims and Objectives outlined in the NRA Flood Defence Strategy published in 1993.

- o Improve information on land at risk of flooding by commencing surveys under S105 (2) of the WRA 1991 after identifying priorities with Local Authorities.
- o Increase and improve Flood Defence input to Catchment Management Plans.
- o Collect Standards of Service data to provide information on the area and floodplain, properties on the floodplain and flooding history.
- o Complete surveys of the condition and maintenance requirements of all constructed works and assets owned.
- o Follow approved project management techniques.
- o Undertake two post project appraisals on completed schemes.
- o Review IS systems for storage and retrieval of Flood Defence data and impact of National Flood Defence Management System.
- o Develop and improve procedures relating to Market Testing and the Client/Provider split to demonstrate value for money and increased efficiency.
- o Implement Standards of Service for flood warning and emergency response.
- o Complete development of standardised emergency response procedures and implement changes to rationalise Flood Warning colour coding
- o Extend tidal warning system to cover the whole of Wales.
- o Develop 10 year needs plan and ensure that defences in a poor state of repair, or inadequate for protection needs, are included in the plan.
- o Undertake and complete works within budget and agreed programme.
- o Promote and use best practice in the design of works and in the preparation and award of contracts.

FISHERIES

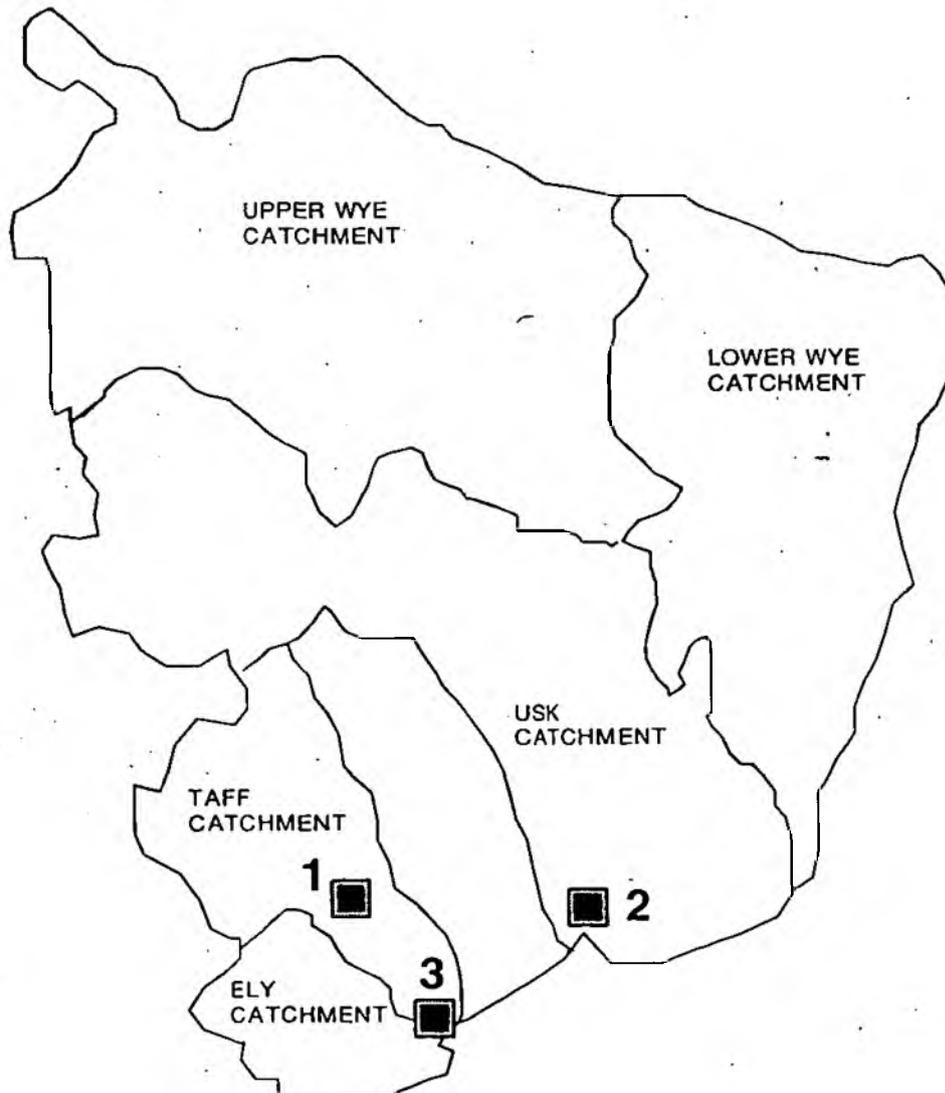
With a 9% reduction in Fisheries expenditure, the main emphasis for 1994/95 and beyond will be the consolidation of existing activities and initiatives. The 12% (7 posts) reduction in enforcement staff, through voluntary severance, will present a real management challenge in attempting to maintain performance and effectiveness. This will be achieved, in part, by pro-active crime management supported by the deployment of the recently



SOUTH EAST AREA

KEY

- 1 PONTYPRIDD FLOOD ALLEVIATION SCHEME
- 2 USK BARRAGE
- 3 CARDIFF BAY BARRAGE



3 TOP PRIORITY CORE FUNCTION TARGETS

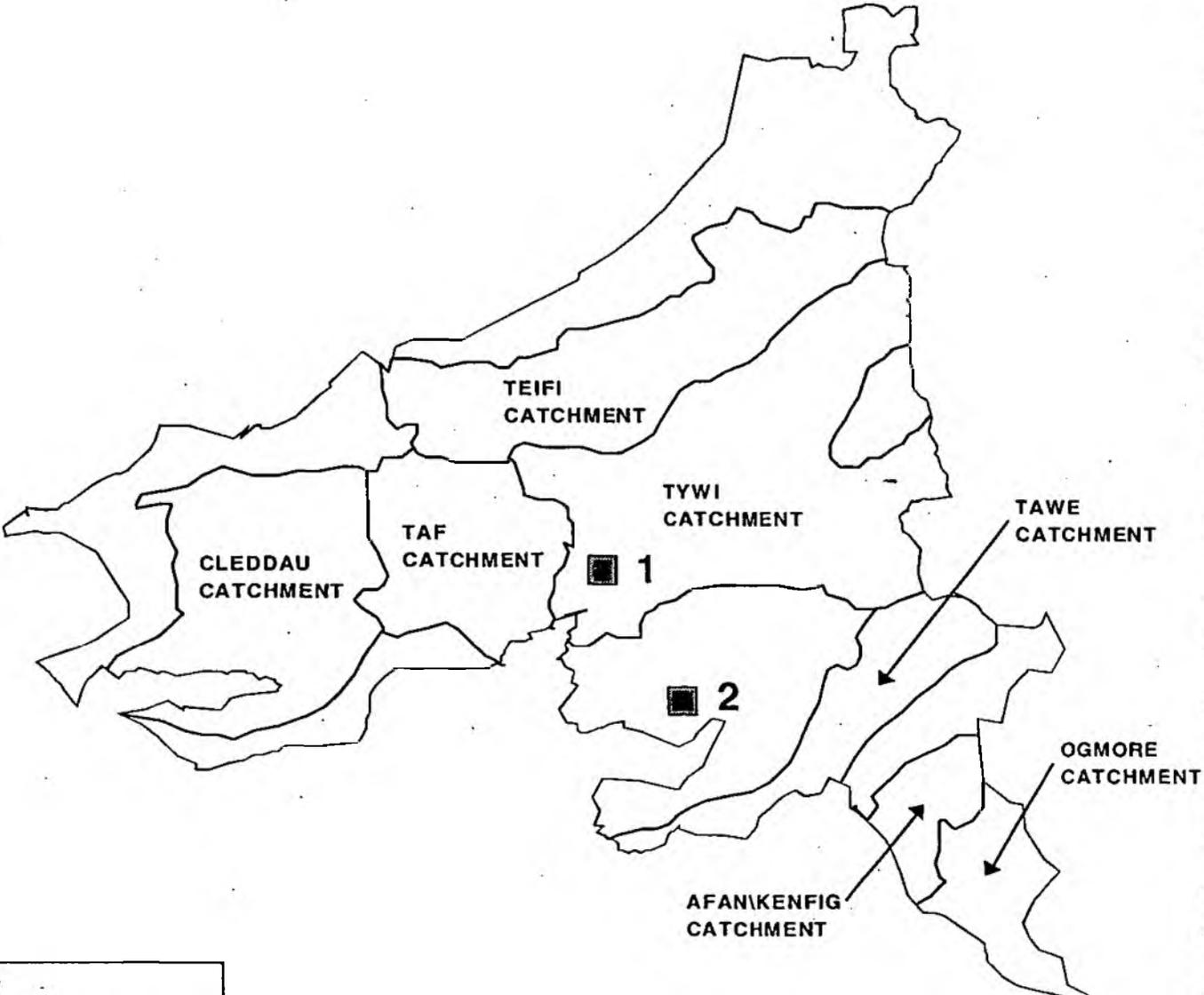
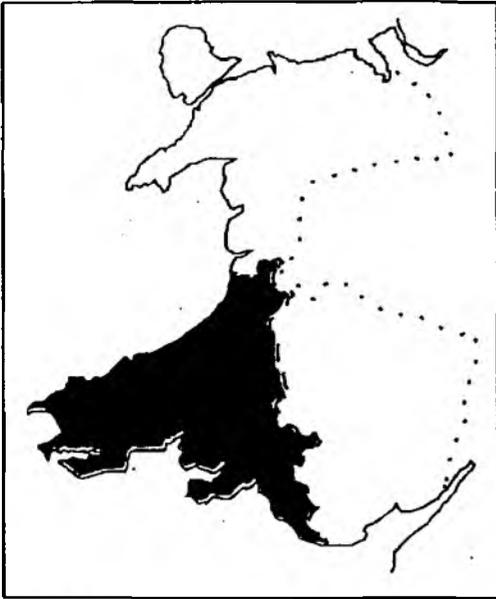
AREA TARGETS

Key targets for our three operating Areas are listed below; where appropriate, geographical locations are indicated on the three maps facing the text.

SOUTH EAST AREA

- 1 Develop a comprehensive water quality programme and continue the fisheries monitoring programme in respect of the Cardiff Barrage project.
- 2 Evaluate the Minewater Assessment Report, determining requirements and a specification for subsequent stages to develop a strategy.
- 3 Produce Consultation Plans for the Rivers Usk and Taff, and Final Plans for the rivers Wye and Ely.
- 4 Progress and complete the construction of a Flood Alleviation Scheme at Pontypridd.
- 5 Maintain the Authority's opposition to the Usk Barrage proposal in order to obtain a satisfactory outcome to the public inquiry.

SOUTH WEST AREA



KEY	
1	JOHNSTOWN.
2	DAFEN

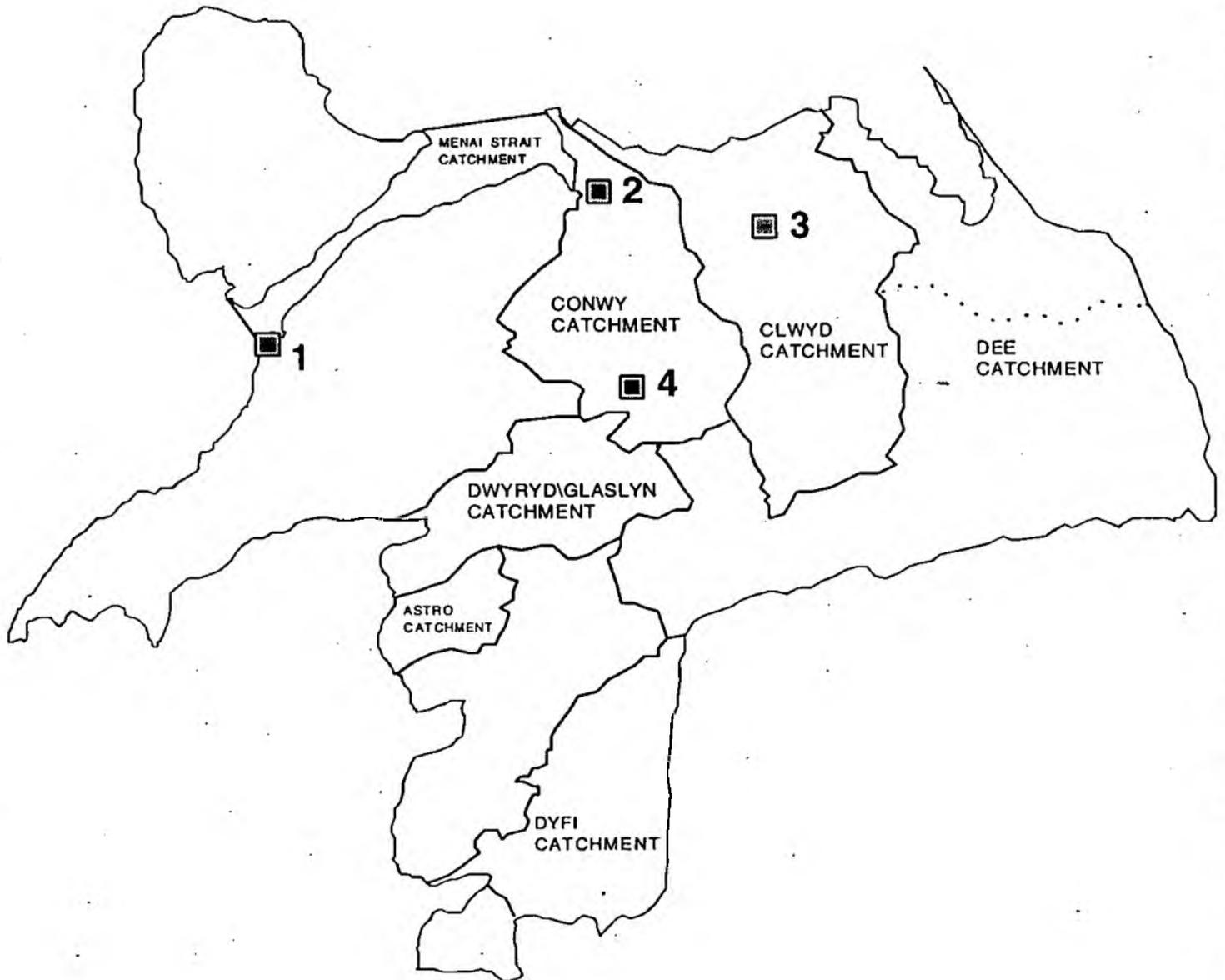
SOUTH WEST AREA

- 1 Obtain all necessary approvals for the Section 105 Project, derive a prioritised list of catchments for the Area, appoint consultants, undertake work and achieve the programmed spend for 1994/5 (approx. £134K).
- 2 Improve the quality of forecasts for fluvial warnings and devise and implement a tidal warning system within the Area by October 1994.
- 3 Produce, via specified milestone dates, a Consultation Plan for the Afan/Kenfig and Final Plans for the Ogmre, Cleddau, Tawe, Taf and Tywi. Implement actions arising from Final Plans and the Teifi Review, where appropriate.
- 4 Effect environmental improvements through Consent Reviews in line with National initiatives and the implementation of Regional discharge strategies.
- 5 Undertake the Flood Defence Capital Programme to budget and timescale, and provide improved standards of protection in Dafen and Johnstown.

NORTHERN AREA



KEY	
1	DINAS DINLLE FLOOD ALLEVIATION SCHEME
2	AFON WYDDEN FLOOD ALLEVIATION SCHEME
3	CLWYD GAUGING STATION
4	CONWY FALLS FISH PASS
	DEE PROTECTION ZONE



3 TOP PRIORITY CORE FUNCTION TARGETS

NORTHERN AREA

- 1 Undertake Flood Defence Schemes at Dinas Dinlle and on the Afon Wydden.
- 2 Develop the Clwyd Gauging Station.
- 3 Achieve designation of the River Dee Water Protection Zone under Section 93 of the Water Resources Act.
- 4 Validate the operation of the Conwy Falls Fish Pass.
- 5 Produce Consultation Plans for the Glaslyn/Dwryd/Artro and the Dyfi/Leri Catchments and Final Plans for the Dee, Clwyd and Menai Straits.

CATCHMENT MANAGEMENT PLANS

The Region is implementing a programme to produce plans for all its catchments by 1998. Consultation plans have been launched at public meetings for the Upper Wye and Conwy catchments, and the Menai Straits. The Upper Wye Catchment Management plan (CMP) was officially launched by Lord Crickhowell at a public meeting within the Royal Welsh Show, held at Bulth Wells in July 1993. The remaining consultation plans programmed for production during 1993/94 are scheduled for publication during February and March.

Final Plans are programmed for publication within the year following Consultation Plan production. The Final Plan for the Conwy catchment will be produced in March 1993 following consultation and negotiation with other organisations and individuals involved in the implementation of the agreed action plan. The Final Plan for the Ogmere catchment has been postponed until 1994/95 in order to ensure agreement in respect of the action plan proposals and timetable.

The 1994/95 catchment planning programme provides for the production of six Consultation and eleven Final Catchment Management Plans (see table below).

In order to ensure the achievement of the Region's ambitious catchment management planning programme, a number of initiatives have been promoted during the year with the objective of streamlining the process. These include:-

- o Development where appropriate of standard sections, complemented by specific local perspective sections of text.
- o Development of an external map production contract involving the use of standardised base maps, symbols and where available the direct transfer of computer held location data.
- o Development of software to facilitate water quality data analysis in respect of catchment use requirements.
- o Development of a project management framework within which the tight timetable for Regional Office and Area work is managed.

Preparatory work is underway in respect of the production of the Severn estuary plan, scheduled for publication in 1995/96. An outline project management framework has been formulated, involving the Welsh, Severn Trent and South Western Regions. Discussions are underway with the County Councils involved in the promotion of the "Les Esturiales - EU Life Programme Bid". The Severn Estuary is one of five estuaries within Europe, jointly identified within this broad planning initiative. It is intended that, if the joint local/county authority bid is successful, interface arrangements will have been established in respect of the NRA's Severn estuary plan. This will provide the opportunity to develop a plan for the Severn estuary with full integration of issues affecting the water environment and land use, whilst influencing the development of good estuary planning in other parts of the European Union.

3 TOP PRIORITY CORE FUNCTION TARGETS

NRA WELSH REGION : CATCHMENT MANAGEMENT PLAN PRODUCTION 1994-95

CONSULTATION PLANS	FINAL PLANS
Lower Wye Usk Taff Afan/Kenfig Dyfi/Leri Glaslyn/Dwryd/Artro	Cleddau Ogmore Upper Wye Menai Straits Ely Tawe Taf Tywi Dee Clwyd Lower Wye

3 TOP PRIORITY CORE FUNCTION TARGETS

NRA WELSH REGION : WATER QUALITY BIDS 1994-95 (IN PRIORITY ORDER)

- 1 Regional WQ Analysis of GQA sample points - Phase 2 and 3 of the HO required analysis and reduction to GQA sampling programme.
Cost:- £25K
- 2 Corporate Data Clean up - Data validated/corrected on the databases prior to the adoption of WAMS to eliminate problems.
Cost:-94/95 £25K
- 3 R Pelenna study - There is a need for general project management support for this major study.
Cost:-£40K per annum for next 5 years
- 4 Acid Water Survey - To repeat baseline survey carried out in 1984 to assist targetting of management actions.
Costs:-94/95 £30K; 95/96 £60K
- 5 Llyn Brienne/R Tywi Liming - To complete the experimental assessment of the effectiveness of this important river restoration technique.
Cost:-94/95 £64K; 95/96 £64K
- 6 Marine biology AQC - There is a requirement to participate in a National Marine Biology AQC exercise.
Cost:- £2.5K per annum
- 7 Marine Impact assessment surveys - To enable the Region to enhance its limited ability to carry out Marine Impact assessments at major discharge points to contribute to prioritisation of consent reviews.
Cost:-£100K per annum for next five years
- 8 Metal Mine survey - To enable the Region to fully assess and prioritise the impact of metal mines and then obtain options for action.
Cost:-94/95 £120K; 95/96 £50K; 96/97 £50K
- 9 Pesticide Impact study - A Region wide evaluation of pesticide impact to complement current and guide future monitoring.
Cost:-94/95 £100K; 95/96 £100K
- 10 Catchment Inventory - A region-wide scoping study followed up by data aquisition and storage to identify and quantify all potential risk areas.
Cost:- 94/95 £25K; 95/96 £25K
- 11 Time of Travel - Compile all existing data on time of travel into a consolidated catchment based report. With follow up fieldwork to complete the data requirements.
Cost:- 94/95 £75K;
- 12 Pollution Incident analysis - Analyse pollution incident data to determine Regional priorities for investigation and remedial action.
Cost:- 94/95 £10K

3 TOP PRIORITY CORE FUNCTION TARGETS

- 13 Cost Benefit Catchment Surveys - To undertake cost benefit studies to test and refine the NRA Cost Benefit Analysis manual in accordance with phase 2 of the project.
Cost:- 94/95 £100K
- 14 Production of Maps - Provision of high quality maps to support the development and presentation of a variety of strategic initiatives within the Region.
Cost:- £20K per annum
- 15 Freshwater Impact Assessment - To carry out required impact assessment to complete information for Industrial Discharge Strategy.
Cost:- 94/95 £25K

- o The cash released will be allocated to a central holding fund.
- o Managers will be invited to bid against this fund on a prioritised basis.
- o The initiatives financed from this fund will provide a clear indication of the fruits of this approach.

In the Regional Plan 93-94, a specific initiative was implemented in order to cut down on Travel and Subsistence costs. This initiative is on target to achieve the cost reductions envisaged.

INFORMATION SYSTEMS

The planned implementation of large, national 'Must Do' projects in 1994/95 (e.g. WAMS) has demanded more resources than available. Efforts have been made in the current financial year (1993/94) to reduce this demand by bringing forward certain hardware and software replacements (using available GIA funds) where they could be justified on efficiency or cost-saving grounds (eg new higher powered PC's, duplex printers and multi-user software licences). This has the added benefit of lowering the implementation costs of some of the national projects. The main priorities for 1994-95 are as follows:

- o Efforts will continue to be made to further reduce support and maintenance costs by instigating improved 'value for money' hardware and software maintenance contracts and the migration from the PLC contract (Databank Services).
- o Continued emphasis will be placed on migrating systems to the UNIX environment, in line with the strategic direction, and to rationalise the existing hardware to a more cost-effective architecture.
- o Available resources, following the 5.4% resource cut (based on 1993-94 budget), will be primarily targeted at the implementation of the national 'Must Do' projects. Some of these projects are under-resourced and this has been compounded by the diversion of Development Staff to Head Office.
- o The Department is unable to finance projects under the heading of 'Other Business Must Do's' or to progress initiatives such as the Standard PC packages migration or Market Testing activities. Where appropriate these will be shown as funding shortfalls which will need to be resourced from elsewhere should the business wish to progress them.

Note: Indicate in Y/N Boxes whether the work is fully funded to meet current plans. If not provide additional requirements on separate FMR 9

I.S. CORPORATE PLAN 1994/95

REGION : Welsh

£000s

		Hardware	Software	Plc Costs	Other FM	Consultants or Contractors	I.S. Staff	Non I.S. Staff	Other	Total	Sub Total
NATIONAL SYSTEMS DEVELOPMENT							172.5				172.5
ONGOING S & M ACTIVITIES											Y/N
	Telemetry Systems	10.4								10.4	Y
	Telephony Systems			93.6						93.6	Y
	Weather Radar/Flood Forecasting	10.4	2				5			17.4	Y
	Laboratory System	1	1				15			17	Y
	Development Environment	3	5				15		15	38	Y
	All other application support	173	113.2	540	78	70	352		39.3	1365.5	Y
	SUB-TOTALS	197.8	121.2	633.6	78	70	387	0	54.3	1541.9	
IMPLEMENTATIONS											Y/N
MUST DO	INFRASTRUCTURE						10.5			10.5	Y
	WAMS (Regional Implementation)	80	30			60	10.2			180.2	N (367k)
	IPAS (Regional Implementation)	22.5	7.5	20		10.5	5.5			66	Y
	NALD (Regional Implementation)					15.8	2.1			17.9	N (169k)
	FDMS (Regional Implementation)					20	1			21	Y
	Other Business 'Must Do's'						1			1	N (25k)
PROGRESS	INCIDENTS & PROSECUTIONS						1			1	N (11k)
	DISCHARGE APPLICATIONS									0	N (3.5k)
	PLANNING APPLICATIONS									0	N (3.5k)
	GIS									0	N (3.5k)
	Other Business 'Progresses'									0	N (3.5k)
	Mission Statement Aims									0	N (3.5k)
	Audit Recommendations									0	N (3.5k)
	SUB-TOTALS	102.5	37.5	20	0	106.3	31.3	0	0	297.6	
REGIONAL INITIATIVES											Y/N
LIST HERE	Strategic Infrastructure Developments	110	115			30	10.2			265.2	N (16k)
	TDIB Migration (Fish Catch etc.)									0	N (53k)
	Standard Package Migration									0	N (92k)
	Training (UNIX, Novell, Oracle)									0	N (60k)
	Market Testing									0	N (32k)
	SUB-TOTALS	110	115	0	0	30	10.2	0	0	265.2	
TOTAL		410.3	273.7	653.6	78	206.3	601	0	54.3	2277.2	

Note: Indicate in Y/N Boxes whether the work is fully funded to meet current plans. If not provide additional requirements on separate FMR 9

I.S. CORPORATE PLAN 1994/95

REGION : Welsh

£000s

		Hardware	Software	Plc Costs	Other FM	Consultants or Contractors	I.S. Staff	Non I.S. Staff	Other	Total	Sub Total	
NATIONAL SYSTEMS DEVELOPMENT												0
ONGOING S & M ACTIVITIES												Y/N
	Telemetry Systems											OK
	Telephony Systems											OK
	Weather Radar/Flood Forecasting											OK
	Laboratory System											OK
	Development Environment											OK
	All other application support											OK
	SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0
IMPLEMENTATIONS												Y/N
"MUST DO"	INFRASTRUCTURE											OK
	WAMS (Regional Implementation)	100	35	30		202				367		#
	IPAS (Regional Implementation)									0		OK
	NALD (Regional Implementation)					160	8.6			168.6		#
	FDMS (Regional Implementation)									0		OK
	Other Business 'Must Do's'					20	5			25		#
"PROGRESS"	INCIDENTS & PROSECUTIONS					10	1			11		#
	DISCHARGE APPLICATIONS					3	0.5			3.5		#
	PLANNING APPLICATIONS					3	0.5			3.5		#
	GIS					3	0.5			3.5		#
	Other Business 'Progressos'					3	0.5			3.5		#
	Mission Statement Aims					3	0.5			3.5		#
	Audit Recommendations					3	0.5			3.5		#
	SUB-TOTALS	100	35	30	0	410	17.6	0	0	592.6	592.6	
REGIONAL INITIATIVES												Y/N
LIST	Strategic Infrastructure Developments					16				16		#
HERE	TDIB Migration (Fish Catch etc.)			30	3	10	10			53		#
	Standard Package Migration		60			30	2			92		#
	Training (UNIX, Novell, Oracle)						15		45	60		#
	Market Testing					30	2			32		#
	SUB-TOTALS	0	60	30	3	86	29	0	45	253	253	
TOTAL		100	95	60	3	496	46.6	0	45	845.6	845.6	

**** SHORTFALLS ****

PUBLICATION PLANS

NRA WELSH REGION : PUBLICATIONS LIST 1994-95

PUBLICATION	No. OF ISSUES	ESTIMATED COST £K PER ISSUE *	ESTIMATED TOTAL
PONT Staff newsletter	12	700	8,400
Glas-y-Dorlan	2	11,500 **	23,000 **
River Information leaflet	6	1,500	9,000
Litter video colour leaflet	1	2,200	2,200
Afon Tryweryn colour leaflet	1	2,200	2,200
Acid Rain colour leaflet	1	2,200	2,200
TOTALS	23		47,000

NOTES

* : Based on current costs + 10%

** : It is hoped these costs will be partly offset by advertising revenue

APPENDIX 1 : OUTPUT & PERFORMANCE MEASURES

Corporate Plan Form OPM1

Function: Water Resources

Region: Welsh

Output and Performance Measures by activity	92/93: Actual	93/94: Planned	94/95: Budget	95/96: Planned
LICENCING				
Number of Licences in Force				
- Abstraction	4105	4129	4164	4179
- Impoundment	179	191	206	221
- Total	4284	4320	4370	4400
Number of Licence Applications Determined				
- Abstraction	60	88	80	60
- Impoundment	12	16	15	15
- Total	72	104	95	75
Number of Licence Applications Determined within Statutory Period				
- Abstraction	57	69	66	53
- Impoundment	12	12	15	15
- Total	69	81	81	68
% of licence applications determined within statutory period	96	78	85	91
Total Cost of Licencing (£000)	627	524	478	478
Number of Licences Varied	231	148	125	125
Number of Licences Revoked	66	64	45	45
Total number of licences determined, varied or revoked	369	316	265	245
Average Cost of Determining a Licence (£/licence)	1699	1658	1804	1951
ENFORCEMENT				
Highly Critical Licence Inspections:				
Number of inspections required by NRA policy	4	4	4	4
Actual number of inspections made	6	4	4	4
Critical Licence Inspections:				
Number of inspections required by NRA policy	1268	1275	1286	1290
Actual number of inspections made	979	1072	1119	1220
% achievement of licence enforcement programme (Critical and Highly Critical)	77	84	87	95
Less Critical and Non-critical Licence Inspections:				
Number of inspections required by NRA policy	626	630	635	638
Actual number of inspections made	523	638	609	611
Total number of inspections required by NRA policy	1898	1909	1925	1932
Total number of inspections made	1508	1714	1732	1835
Average attainment of licence inspection targets	79	90	90	95
LOW FLOWS				
Number of sites identified for low flow amelioration	0	0	0	0
Number of sites for which studies have been completed	0	0	0	0
Number of low flow solutions planned for implementation	0	0	0	0
Number of low flow solutions implemented	0	0	0	0

Corporate Plan Form OPM2

Function: Water Quality
Region: Welsh

Output and Performance Measures by activity	92/93: Actual	93/94: Planned	94/95: Budget	95/96: Planned		
CONSENTING and COMPLIANCE MONITORING						
Number of Discharge Consents in Force (Total)	10920	7200	10000	10000		
Number of Discharges Monitored (Total)	1351	1671	1892	1892		
Number of Consent Applications Determined within Statutory Period	225	360	210	210		
Number of Consent Applications Determined	332	360	210	210		
% consents determined within statutory period	68	100	100	100		
Total Cost of Consenting (£000)	2082	1163	1163	1163		
Number of Consents Determined or Reviewed	999	140	1028	1328		
Average cost of determining a consent (£/consent)	2084	8307	1131	876		
Number of Routine Effluent Samples Taken	13566	16000	15246	15246		
Number of Routine Effluent Samples Programmed	16187	16000	15246	15246		
% of effluent monitoring programme achieved	84	100	100	100		
Total Cost of Compliance Monitoring (£000)	751	690	690	690		
Number of Discharges Monitored (Total)	1351	1671	1892	1892		
Average cost of monitoring discharges (£/discharge)	556	413	365	365		
MONITORING CONTROLLED WATERS						
Number of Routine Single Samples Taken:						
- River	16000	16000	16000	12000		
- Canal	180	180	180	150		
- Estuarial	76	76	76	76		
- Groundwater	0	0	0	0		
Length (km) of classified river by water quality class:					2000:	2005:
					Planned	Planned
GQA Chemical Assessment:						
- Class A	2747	2747	2747	2780	2800	2800
- Class B	1410	1410	1410	1500	1600	1600
- Class C	359	359	359	370	380	380
- Class D	111	111	111	130	70	70
- Class E	111	111	111	100	50	50
- Class F	28	28	28	28	10	10
Total length of classified river	4766	4766	4766	4908	4910	4910
GQA Biological Assessment						
- Class A	0	0	0	0	0	0
- Class B	0	0	0	0	0	0
- Class C	0	0	0	0	0	0
- Class D	0	0	0	0	0	0
- Class E	0	0	0	0	0	0
Total length of classified river	0	0	0	0	0	0
Length (km) of classified canal by water quality class:						
GQA Chemical Assessment:						
- Class A	7	7	7	7	7	7
- Class B	48	48	48	48	48	48
- Class C	17	17	17	17	17	17
- Class D	44	44	44	44	44	44

- Class E	29:	29:	29:	29:	29:	29:
- Class F	0:	0:	0:	0:	0:	0:
Total length of classified canal	145:	145:	145:	145:	145:	145:
BQA Biological Assessment						
- Class A	0:	0:	0:	0:	0:	0:
- Class B	0:	0:	0:	0:	0:	0:
- Class C	0:	0:	0:	0:	0:	0:
- Class D	0:	0:	0:	0:	0:	0:
- Class E	0:	0:	0:	0:	0:	0:
Total length of classified canal	0:	0:	0:	0:	0:	0:

Length (km) of classified estuary by water quality class:						
NMC Scheme:						
- Class A (good)	352:	352:	348:	364.4:	364.9:	364.9:
- Class B (fair)	111:	111:	115.5:	99.1:	88.1:	88.1:
- Class C (poor)	7:	7:	7.1:	7.1:	0:	0:
- Class D (bad)	0:	0:	0:	0:	0:	0:
Total length of classified estuary	470:	470:	470.6:	470.6:	453:	453:

WATER QUALITY LABORATORY ANALYSES						
Number of Analyses / Determinations						
- Organics	84241:	95984:	86385:	86385:		
- Metals	328065:	184274:	165846:	165846:		
- Microbiology	46950:	32376:	21816:	21816:		
- Other	732492:	571745:	499585:	483085:		
- Total	1191748:	884379:	773632:	757132:		
Total Cost of Analyses / Determinations (£000)						
- Organics	0:	0:	0:	0:		
- Metals	0:	0:	0:	0:		
- Microbiology	0:	0:	0:	0:		
- Other	0:	0:	0:	0:		
- Total	0:	0:	0:	0:		

Average Cost of Analyses / Determinations (£/analysis)						
- Organics	0:	0:	0:	0:		
- Metals	0:	0:	0:	0:		
- Microbiology	0:	0:	0:	0:		
- Other	0:	0:	0:	0:		
- Total	0:	0:	0:	-0:		

Number of Samples Analysed and Reported within Target Time	72494:	85279:	68223:	64923:		
Number of Samples Analysed and Reported	81564:	85279:	68223:	64923:		

% of water quality samples analysed within target time	89:	100:	100:	100:		

INCIDENTS / EMERGENCIES						
Number of Category 1 Incidents	26:	30:	30:	30:		
Number of Category 2 Incidents	2001:	1800:	1800:	1800:		
Number of Category 1 Incidents Attended within Target Time	25:	30:	30:	30:		
Number of Category 2 Incidents within Target Time	1564:	1620:	1710:	1800:		

% Category 1 Incidents Attended within Target Time	96:	100:	100:	100:		
% Category 2 Incidents within Target Time	78:	90:	95:	100:		

POLLUTION PREVENTION						
Number of Site Inspections	4736:	4822:	5081:	5081:		
Number of Pollution Prevention Campaigns	76:	84:	87:	87:		

EC DIRECTIVES						
Number of Designated EC Bathing Waters	51:	54:	54:	60:		
Number of Designated Waters Achieving Directive	39:	40:	43:	52:		

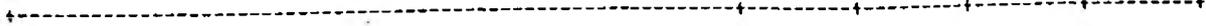
% of bathing waters achieving directive

76%

74%

80%

87%



Corporate Plan Form OPM3

Function: Flood Defence

Region: Welsh

Output and Performance Measures by activity	92/93: Actual	93/94: Planned	94/95: Budget	95/96: Planned
REGULATION / ENFORCEMENT				
Number of Consents Determined within Statutory Period	845	692	1031	1113
Number of Consents Determined	863	702	1031	1113
% of consents determined within statutory period	98	99	100	100
Total Cost of Regulation / Enforcement (£000)	556	638	546	554
Total Flood Defence Expenditure (£000)	10384	11138	13464	11134
Cost of regulation/enforcement as % of total expenditure	5	6	4	5
IMPROVEMENT / DEVELOPMENT OF FLOOD DEFENCES				
Number of Housing Equivalents Protected By New / Improved Schemes	10171	0	11300	1875
Cost of completed schemes (£000)	1440	1435	3645	942
HEs Protected By Capital Schemes vis Cost of Schemes	7.1	0	3.1	2
Length (km) of New / Improved Flood Defence Constructed				
- Fluvial Defences	3.28	1.2	2.12	1.5
- Sea Defences	0	.6	.3	.6
- Estuarial Defences	6.2	2.5	0	0
- Total	9.48	4.3	5.12	2.1
Total Capital Expenditure (£000)				
- Fluvial Defences	1474	546	1655	1100
- Sea Defences	209	687	2323	1105
- Estuarial Defences	68	286	41	127
- Total	1751	1519	4019	2332
MAINTENANCE OF EXISTING DEFENCES				
Number of Housing Equivalents Receiving Benefit From Maintenance	170012	177136	172389	175000
Total Expenditure on Maintenance (£000)	6404	6596	6807	6654
HEs Receiving Benefit in Relation to Cost of Maintenance	26.5	26.9	25.3	26.3
Length (km) of Flood Defence Maintained				
- Fluvial Defences	2436	0	2268	2273
- Sea Defences	72	0	76	76
- Estuarial Defences	313	0	168	168
- Total	2821	2147	2512	2517
FLOOD EMERGENCY SERVICES				
Number of Flooded Properties for which a Flood Warning was Issued	115	0	0	0
Number of Properties Flooded	274	0	0	0
% of flooded properties for which a warning was issued	42	-	-	-
OTHER				
Total Overhead Costs (£000)	1757	1950	1747	1747
Total Flood Defence Expenditure (£000)	10384	11138	13464	11134
Overhead costs as % of total flood defence expenditure	17	18	13	16
Value of Work Completed (£000)	4954	5200	5434	5300
Cost of Work Completed (£000)	4954	5200	5434	5300
Value of work completed as % of cost of work completed	100	100	100	100

Corporate Plan Form OPM4

Function: Fisheries

Region: Welsh

Output and Performance Measures by activity	92/93: Actual:	93/94: Planned:	94/95: Budget:	95/96: Planned:
LICENCING				
Number of Licences Sold - Rod				
Salmon and Migratory Trout				
- Full Licences	0:	0:	7500:	7500:
- 8 Day Licences	0:	0:	2000:	2000:
- 1 Day Licences	0:	0:	3000:	3000:
- Concessionary Licences	0:	0:	3000:	3000:
- Total	0:	0:	15500:	15500:
Non-migratory Trout, Freshwater Fish and Eels				
- Full Licences	0:	0:	34000:	34000:
- 8 Day Licences	0:	0:	24000:	24000:
- 1 Day Licences	0:	0:	4000:	4000:
- Concessionary Licences	0:	0:	12000:	12000:
- Total	0:	0:	74000:	74000:
Total Number of Licences Sold - Rod	50870:	60500:	89500:	89500:
Number of Licences Sold - Commercial Instrument	323:	330:	340:	335:
ENFORCEMENT				
Number of Licence Checks Made				
- Rod	11169:	13272:	13739:	15393:
- Commercial Instrument	290:	281:	298:	296:
- Total	11847:	13553:	14037:	15689:
Number of Satisfactory Licence Checks				
- Rod	0:	12759:	13223:	14840:
- Commercial Instrument	0:	227:	296:	294:
- Total	11459:	12986:	13519:	15134:
% licence compliance				
- Rod	0:	96:	96:	96:
- Commercial Instrument	0:	81:	99:	99:
- Total	97:	96:	96:	96:
Total Cost of Rod Licence Enforcement (£000)				
	148:	82:	82:	82:
Total Cost of Commercial Instrument Licence Enforcement (£000)				
	0:	0:	2:	2:
Average cost of rod licence enforcement (£/licence checked)				
	13:	6:	6:	5:
Average cost of commercial instrument licence enforcement (£)				
	0:	0:	7:	7:
MONITORING				
Total Cost of Fishery Monitoring / Survey Work (£000)				
	54:	115:	103.2:	98:
Actual Length (km) of River Surveyed				
	1760:	2459:	2498:	2394:
Average cost of fishery monitoring (£/km surveyed)				
	31:	47:	41:	41:
Length (km) of River Planned to be Surveyed				
	2250:	2459:	2498:	2394:
% achievement of planned river survey programme				
	78:	100:	100:	100:
Number of Sites Planned to be Surveyed (as part of rolling p				
	0:	0:	986:	830:
Actual Number of Sites Surveyed				
	0:	0:	986:	830:
Number of Individual Surveys:				

- netting / electro	38	0	76	73
- angler census	6	0	7	9
- total	44	0	83	82

PHYSICO-CHEMICAL IMPROVEMENT

Number of Improvement Structures Built:

- Physical Habitat	0	1	1	3
- Fish Passes	0	0	1	1
- Total	0	1	2	4

REARING and STOCKING

Fish Rearing (number in millions)

- Salmonid	0	2	2	2
- Non-salmonid	0	0	0	0
- Total	0	2	2	2

Fish Stocking (number in millions)

- Salmonid	0	1	2	2
- Non-salmonid	0	0	0	0
- Total	0	1	2	2

Corporate Plan Form OPM5

Function: Recreation

Region: Welsh

Output and Performance Measures by activity	92/93: Actual	93/94: Planned	94/95: Budget	95/96: Planned
NRA FACILITY MANAGEMENT				
Number of NRA Landholdings with Potential for Recreational U	5	2	2	2
Number of NRA Landholdings Actually Used for Recreation	19	22	22	22
Number of NRA Landholdings with Public Access	19	19	19	19
LIAISON WITH OTHERS / PROMOTION				
Number of Recreation Projects Involving External Collaborati	8	8	8	8
Total Number of Recreation Projects	11	11	10	10
% external collaboration	73	73	80	80

Function: Conservation

Region: Welsh

Output and Performance Measures by activity	92/93: Actual:	93/94: Planned:	94/95: Budget:	95/96: Planned:
APPRAISALS / SURVEYS				
Length (km) of River Corridor	0:	0:	0:	0:
Actual Length (km) of River Corridor Surveyed	851:	1140:	980:	880:
Actual Length (km) of River Corridor Aerial Interpretation	0:	0:	0:	0:
Total Cost of River Corridor Survey Work (£000)	189:	136:	102:	91:
Total Cost of River Corridor Aerial Interpretation Work (£000)	0:	0:	0:	0:
Average cost of river corridor survey work (£/km)	222:	119:	104:	103:
Average cost of river corridor aerial interpretation work (£/km)	-:	-:	-:	-:
Length (km) of River Corridor Planned for Survey	851:	1140:	980:	880:
Length (km) of River Corridor Planned for Aerial Interpretation	0:	0:	0:	0:
% of planned length surveyed - river corridor	100:	100:	100:	100:
% of planned length surveyed - aerial interpretation	-:	-:	-:	-:
Length (km) of Coastline and Estuary	0:	0:	0:	0:
Length (km) of Coastline and Estuary Surveyed				
- Aerial	0:	0:	0:	0:
- Other	0:	0:	0:	0:
LIAISON WITH OTHERS / PROMOTION				
Number of Conservation Projects Involving External Collaboration	16:	21:	11:	10:
Total Number of Conservation Projects	34:	32:	29:	27:
% external collaboration	47:	66:	38:	37:
PLANNING AND DEVELOPMENT CONTROL				
Applications Screened:				
- abstractions	86:	131:	72:	54:
- discharge	278:	360:	190:	190:
- land drainage	639:	702:	928:	1002:
- fisheries	396:	150:	360:	360:
- other	1299:	1650:	1283:	1425:
- total	2698:	2993:	2833:	3031:

APPENDIX 2 : FINANCIAL PLANNING DATA

TOTAL OPERATING INCOME AND EXPENDITURE - FUNCTION ANALYSIS

REGION: WELSH

£000

	ACTUAL 1992/93					BUDGET 1993/94				
	INCOME	CAPITAL EXPEND.	REVENUE EXPEND.	TOTAL EXPEND.	SURPLUS/ (DEFICIT):	INCOME	CAPITAL EXPEND.	REVENUE EXPEND.	TOTAL EXPEND.	SURPLUS/ (DEFICIT):
CHARGES FOR DISCHARGES	4624	426	4744	5170	-546:	5326	577	4938	5515	-189:
INTEG. POLLUTION CONTROL	109	27	283	310	-201:	0	37	295	332	-332:
GRANT AIDED SERVICE	410	348	4029	4377	-3967:	245	471	4193	4664	-4419:
TOTAL WATER QUALITY	5143	801	9056	9857	-4714:	5571	1085	9426	10511	-4940:
FISHERIES	981	415	3966	4381	-3400:	830	385	4078	4463	-3633:
RECREATION	1	30	130	160	-159:	1	36	137	173	-172:
CONSERVATION	4	74	299	373	-369:	1	125	351	476	-475:
NAVIGATION	1	26	29	55	-54:	0	55	32	87	-87:
SUB-TOTAL	6130	1346	13480	14826	-8696:	6403	1686	14024	15710	-9307:
CAPITAL RESTRUCTURING	0	0	0	0	0	0	0	0	0	0
SUB-TOTAL GRANT AIDED	6130	1346	13480	14826	-8696:	6403	1686	14024	15710	-9307:
WATER RESOURCES	9299	544	9069	9613	-314:	9894	574	9659	10233	-339:
FLOOD DEFENCE	12289	2469	7976	10445	1844:	11461	2388	8899	11287	174:
TOTAL	27718	4359	30525	34884	-7166:	27758	4648	32582	37230	-9472:

	PLANNED 1994/95					PLANNED 1995/96				
	INCOME	CAPITAL EXPEND.	REVENUE EXPEND.	TOTAL EXPEND.	SURPLUS/ (DEFICIT):	INCOME	CAPITAL EXPEND.	REVENUE EXPEND.	TOTAL EXPEND.	SURPLUS/ (DEFICIT):
CHARGES FOR DISCHARGES	5663	250	4619	4869	794:	5663	190	4684	4874	789:
INTEG. POLLUTION CONTROL	30	0	292	292	-262:	30	0	292	292	-262:
GRANT AIDED SERVICE	70	110	4012	4122	-4052:	70	40	4086	4126	-4056:
TOTAL WATER QUALITY	5763	360	8923	9283	-3520:	5763	230	9062	9292	-3529:
FISHERIES	837	164	3626	3790	-2953:	857	165	3618	3783	-2926:
RECREATION	1	15	128	143	-142:	1	0	143	143	-142:
CONSERVATION	1	51	374	425	-424:	1	83	344	427	-426:
NAVIGATION	0	35	63	98	-98:	0	0	100	100	-100:
SUB-TOTAL	6602	625	13114	13739	-7137:	6622	478	13267	13745	-7123:
CAPITAL RESTRUCTURING	0	0	0	0	0:	0	0	0	0	0:
SUB-TOTAL GRANT AIDED	6602	625	13114	13739	-7137:	6622	478	13267	13745	-7123:
WATER RESOURCES	9850	939	9229	10168	-318:	10109	520	9351	9871	238:
FLOOD DEFENCE	12405	4728	9229	13957	-1552:	10100	2900	8660	11560	-1460:
TOTAL	28857	6292	31572	37864	-9007:	26831	3898	31278	35176	-8345:

ANALYSIS OF UTILITY COSTS

£000

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
Coal & Solid Fuel	0	0	0	0
Electricity	190	205	210	215
Fuel Oil	2	2	2	2
Gas	22	23	24	25
Fuel (Vehicle & Plant)	306	310	315	320
Lubricants	10	10	11	11
Water	1	1	1	1
Effluent	0	0	0	0
TOTAL	531	551	563	574

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : TOTAL

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	9698	10285	10200	9758
Superannuation	798	806	800	765
N.I.C.	782	739	732	701
Agency, Temps. & Other	637	604	620	566
Voluntary Severance	0	699	550	230
WAGES				
Costs	2292	2455	2341	2275
Superannuation	156	196	184	179
N.I.C.	160	173	162	157
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	156	150	150
SUB-TOTAL	14523	16113	15739	14781
Travel & Subsistence	1049	851	965	909
SUB-TOTAL STAFF	15572	16964	16704	15690
Consultants	0	0	0	0
P.L.C. Services	5058	5200	5246	5335
Other H. & C. Services	4699	5887	6444	4469
Equip. Tools & Mats.	4673	3808	3969	4083
Utilities	531	551	563	574
Other Costs	2554	2493	2273	2360
SUB-TOTAL OTHER	17515	17939	18495	16821
TOTAL REGIONAL	33087	34903	35199	32511
Inter-Regional Services	0	0	0	0
- Charges Paid	137	0	0	0
- Income Received	-624	0	0	0
H.O & National Costs	2284	2327	2665	2665
TOTAL	34884	37230	37864	35176
CAPITAL EXPENDITURE				
REVENUE EXPENDITURE	4359	4648	6292	3898
	30525	32582	31572	31278
	34884	37230	37864	35176

WORK CONTRACTED OUT

- Capital	1951	2752	4545	2385
- Revenue	7806	8335	7145	7419
	9757	11087	11690	9804

WORK CONTRACTED OUT

	%	%	%	%
Capital	44.8	59.2	72.2	61.2
Revenue	25.6	25.6	22.6	23.7
TOTAL	28.0	29.8	30.9	27.9

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : WATER QUALITY

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	4011	4175	4198	4010
Superannuation	335	285	287	274
N.I.C.	327	307	309	295
Agency, Temps. & Other	324	273	207	207
Voluntary Severance	0	250	200	90
WAGES				
Costs	103	26	87	87
Superannuation	7	2	7	7
N.I.C.	8	2	6	6
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	20	0	0
SUB-TOTAL	5115	5340	5301	4976
Travel & Subsistence	438	338	396	370
SUB-TOTAL STAFF	5553	5678	5697	5346
Consultants	0	0	0	0
P.L.C. Services	301	269	210	210
Other H. & C. Services	1146	1363	720	810
Equip. Tools & Mats.	1273	1084	730	985
Utilities	174	180	184	187
Other Costs	835	1042	581	593
SUB-TOTAL OTHER	3729	3938	2425	2785
TOTAL REGIONAL	9282	9616	8122	8131
Inter-Regional Services				
- Charges Paid	56	0	0	0
- Income Received	-468	0	0	0
H.O & National Costs	987	895	1161	1161
TOTAL	9857	10511	9283	9292
=====				
CAPITAL EXPENDITURE	801	1085	360	230
REVENUE EXPENDITURE	9056	9426	8923	9062
	9857	10511	9283	9292
=====				

WORK CONTRACTED OUT

- Capital	195	275	70	90
- Revenue	1252	1357	860	930
	-----	-----	-----	-----
	1447	1632	930	1020
	=====	=====	=====	=====

WORK CONTRACTED OUT

	X	X	X	X
	-----	-----	-----	-----
Capital	24.3	25.3	19.4	39.1
Revenue	13.8	14.4	9.6	10.3
	-----	-----	-----	-----
TOTAL	14.7	15.5	10.0	11.0
	=====	=====	=====	=====

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : FISHERIES

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	1874	1838	1741	1654
Superannuation	154	126	119	113
N.I.C.	151	131	124	118
Agency, Temps. & Other	127	142	179	149
Voluntary Severance	0	175	120	40
WAGES				
Costs	89	19	11	11
Superannuation	6	2	1	1
N.I.C.	6	1	0	0
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	5	0	0
SUB-TOTAL				
Travel & Subsistence	197	157	164	144
SUB-TOTAL STAFF				
Consultants	0	0	0	0
P.L.C. Services	120	100	100	100
Other H. & C. Services	401	446	270	270
Equip. Tools & Mats.	647	465	210	310
Utilities	89	89	102	105
Other Costs	221	247	158	277
SUB-TOTAL OTHER				
	1478	1347	840	1062
TOTAL REGIONAL				
	4082	3943	3299	3292
Inter-Regional Services				
- Charges Paid	6	0	0	0
- Income Received	-113	0	0	0
H.O & National Costs				
	406	520	491	491
TOTAL				
	4381	4463	3790	3783
CAPITAL EXPENDITURE				
	415	385	164	165
REVENUE EXPENDITURE				
	3966	4078	3626	3618
TOTAL				
	4381	4463	3790	3783

WORK CONTRACTED OUT

- Capital	50	65	110	100
- Revenue	471	481	260	270
	521	546	370	370

WORK CONTRACTED OUT

	%	%	%	%
Capital	12.0	16.9	67.1	60.6
Revenue	11.9	11.8	7.2	7.5
TOTAL	11.9	12.2	9.8	9.8

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : RECREATION

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	58	59	50	50
Superannuation	4	3	3	3
N.I.C.	4	5	4	4
Agency, Temps. & Other	0	1	3	3
Voluntary Severance	0	0	0	0
WAGES				
Costs	3	0	0	0
Superannuation	0	0	0	0
N.I.C.	0	0	0	0
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	0	0	0
SUB-TOTAL	69	68	60	60
Travel & Subsistence	6	4	5	5
SUB-TOTAL STAFF	75	72	65	65
Consultants	0	0	0	0
P.I.C. Services	4	5	4	4
Other H. & C. Services	22	35	20	12
Equip. Tools & Mats.	26	23	21	28
Utilities	1	1	1	1
Other Costs	12	17	19	20
SUB-TOTAL OTHER	65	81	65	65
TOTAL REGIONAL	140	153	130	130
Inter-Regional Services				
- Charges Paid	0	0	0	0
- Income Received	0	0	0	0
H.O & National Costs	20	20	13	13
TOTAL	160	173	143	143
=====				
CAPITAL EXPENDITURE	30	36	15	0
REVENUE EXPENDITURE	130	137	128	143
	160	173	143	143
=====				

WORK CONTRACTED OUT

- Capital	10	15	15	0
- Revenue	16	25	9	16
	26	40	24	16

WORK CONTRACTED OUT

	%	%	%	%
Capital	33.3	41.7	100.0	ERROR
Revenue	12.3	18.2	7.0	11.2
TOTAL	16.3	23.1	16.8	11.2

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000FUNCTION : CONSERVATION REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	129	79	86	86
Superannuation	10	6	6	6
N.I.C.	10	7	8	8
Agency, Temps. & Other	0	42	55	35
Voluntary Severance	0	0	0	0
WAGES				
Costs	18	1	0	0
Superannuation	1	0	0	0
N.I.C.	1	0	0	0
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	0	0	0
SUB-TOTAL	169	135	155	135
Travel & Subsistence	13	7	8	9
SUB-TOTAL STAFF	182	142	163	144
Consultants	0	0	0	0
P.L.C. Services	9	10	10	10
Other H. & C. Services	67	94	60	80
Equip. Tools & Mats.	63	93	65	50
Utilities	2	3	3	3
Other Costs	29	52	20	36
SUB-TOTAL OTHER	170	252	158	179
TOTAL REGIONAL	352	394	321	323
Inter-Regional Services				
- Charges Paid	0	0	0	0
- Income Received	-16	0	0	0
H.O & National Costs	39	82	104	104
TOTAL	373	476	425	427
CAPITAL EXPENDITURE	74	125	51	83
REVENUE EXPENDITURE	299	351	374	344
	373	476	425	427

WORK CONTRACTED OUT

- Capital	23	20	18	35
- Revenue	53	84	52	55
	76	104	70	90

WORK CONTRACTED OUT

	%	%	%	%
Capital	31.1	16.0	35.3	42.2
Revenue	17.7	23.9	13.9	16.0
TOTAL	20.4	21.8	16.5	21.1

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : NAVIGATION

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	10	13	15	15
Superannuation	1	2	2	2
N.I.C.	1	1	1	1
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	0	0	0
WAGES				
Costs	1	0	0	0
Superannuation	0	0	0	0
N.I.C.	0	0	0	0
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	0	0	0
SUB-TOTAL	13	16	18	18
Travel & Subsistence	1	1	1	1
SUB-TOTAL STAFF	14	17	19	19
Consultants	0	0	0	0
P.L.C. Services	1	1	1	1
Other H. & C. Services	29	51	71	57
Equip. Tools & Mats.	3	3	3	10
Utilities	0	0	0	0
Other Costs	2	5	1	10
SUB-TOTAL OTHER	35	60	76	78
TOTAL REGIONAL	49	77	95	97
Inter-Regional Services				
- Charges Paid	0	0	0	0
- Income Received	0	0	0	0
H.O & National Costs	6	10	3	3
TOTAL	55	87	98	100
CAPITAL EXPENDITURE				
REVENUE EXPENDITURE	26	55	35	0
	29	32	63	100
	55	87	98	100

WORK CONTRACTED OUT

- Capital	26	50	28	0
- Revenue	4	2	44	58
	30	52	72	58

WORK CONTRACTED OUT

	X	Z	X	X
Capital	100.0	90.9	80.0	ERROR
Revenue	13.8	6.3	69.8	58.0
TOTAL	54.5	59.8	73.5	58.0

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : WATER RESOURCES

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	1738	2046	1926	1868
Superannuation	140	195	184	178
N.I.C.	138	146	137	133
Agency, Temps. & Other	76	97	82	82
Voluntary Severance	0	62	80	30
WAGES				
Costs	112	129	56	56
Superannuation	8	11	2	2
N.I.C.	8	9	2	2
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	5	0	0
SUB-TOTAL	2220	2700	2469	2351
Travel & Subsistence	192	155	185	170
SUB-TOTAL STAFF	2412	2855	2654	2521
Consultants	0	0	0	0
P.L.C. Services	4274	4480	4560	4640
Other H. & C. Services	686	1224	650	480
Equip. Tools & Mats.	898	495	910	830
Utilities	109	104	106	108
Other Costs	637	508	644	648
SUB-TOTAL OTHER	6604	6811	6870	6706
TOTAL REGIONAL	9016	9666	9524	9227
Inter-Regional Services				
- Charges Paid	8	0	0	0
- Income Received	-8	0	0	0
H.O & National Costs	597	567	644	644
TOTAL	9613	10233	10168	9871
CAPITAL EXPENDITURE	544	574	939	520
REVENUE EXPENDITURE	9069	9659	9229	9351
	9613	10233	10168	9871

WORK CONTRACTED OUT

- Capital	156	474	550	320
- Revenue	4804	5230	4650	4800
	4960	5704	5210	5120

WORK CONTRACTED OUT

	%	%	%	%
Capital	28.7	82.6	58.6	61.5
Revenue	53.0	54.1	50.5	51.3
TOTAL	51.6	55.7	51.2	51.9

OPERATING COSTS - SUBJECTIVE ANALYSIS BY FUNCTION £000

FUNCTION : FLOOD DEFENCE

REGION: WELSH

	ACTUAL 1992/93	BUDGET 1993/94	PLANNED 1994/95	PLANNED 1995/96
SALARIES				
Costs	1878	2075	2184	2075
Superannuation	154	189	199	189
N.I.C.	151	142	149	142
Agency, Temps. & Other	110	49	94	90
Voluntary Severance	0	212	150	70
WAGES				
Costs	1966	2280	2187	2121
Superannuation	134	181	174	169
N.I.C.	137	161	154	149
Agency, Temps. & Other	0	0	0	0
Voluntary Severance	0	126	150	150
SUB-TOTAL	4530	5415	5441	5155
Travel & Subsistence	202	189	206	210
SUB-TOTAL STAFF	4732	5604	5647	5365
Consultants	0	0	0	0
P.L.C. Services	349	335	361	370
Other H. & C. Services	2348	2674	4653	2760
Equip. Tools & Mats.	1763	1645	2030	1870
Utilities	156	174	167	170
Other Costs	818	622	850	776
SUB-TOTAL OTHER	5434	5450	8061	5946
TOTAL REGIONAL	10166	11054	13708	11311
Inter-Regional Services				
- Charges Paid	67	0	0	0
- Income Received	-17	0	0	0
H.O & National Costs	229	233	249	249
TOTAL	10445	11287	13957	11560
CAPITAL EXPENDITURE	2469	2388	4728	2900
REVENUE EXPENDITURE	7976	8899	9229	8660
	10445	11287	13957	11560

WORK CONTRACTED OUT

- Capital	1491	1853	3754	1840
- Revenue	1206	1156	1260	1290
	2697	3009	5014	3130

WORK CONTRACTED OUT

	%	%	%	%
Capital	60.4	77.6	79.4	63.4
Revenue	15.1	13.0	13.7	14.9
TOTAL	25.8	26.7	35.9	27.1

INCOME ANALYSIS

REGION : WELSH

£000		ACTUAL	BUDGET	PLANNED	PLANNED
		1992/93	1993/94	1994/95	1995/96
WATER QUALITY					
Charging for Discharges					
	- Application Fee	68	74	85	85
	- Annual Consent	4525	5222	5578	5578
H.M.I.P./ I.P.C.Consents					
	- Application Fee	10	10	10	10
	- Annual Consent	20	20	20	20
	Waste Site Licensing	0	0	0	0
	Pollution Incidents	168	69	40	40
	Other	352	176	30	30
	Total	5143	5571	5763	5763
FISHERIES					
Rod Licences					
	- Salmon & Migratory	0	0	270	280
	- Coarse & Trout	538	607	320	330
	Commercial Licences	55	48	50	50
	Fish Sales	8	0	0	0
	Other	380	175	197	197
	Total	981	830	837	857
RECREATION					
		1	1	1	1
CONSERVATION					
		4	1	1	1
NAVIGATION					
	Boat Licences	0	0	0	0
	Tolls	0	0	0	0
	Other	1	0	0	0
	Total	1	0	0	0
TOTAL GRANT AIDED		6130	6403	6602	6622
WATER RESOURCES					
	Abstraction Charges	9049	9864	9690	9949
	Interest Received	177	30	160	160
	Other	73	0	0	0
	Total	9299	9894	9850	10109
FLOOD DEFENCE					
	Levies/GDC	10498	10428	10106	9151
	MAFF/W.O. Grants	742	416	1115	624
	L.D. Consents	0	0	0	0
	Interest Received	782	235	162	70
	Rechargeable Works	0	0	0	0
	Other	267	382	1022	255
	Total	12289	11461	12405	10100

Interest in G.A.Services 17 20 30 30
Asset Sales in All Services 130 0 0 0
EC Grants in All Services 0 0 0 0
(See Form FP3a)

