

EA SOUTH WEST

1996/97

**REGIONAL PLAN SUMMARIES**

ENVIRONMENT AGENCY



123084



## ENVIRONMENT AGENCY

# REGIONAL PLAN SUMMARY NORTH EAST REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

This summary leaflet highlights the Region's priorities for 1996/97 and gives examples of how we will work towards our goal of making a lasting difference to the environment. The priorities are built from planned activities of every individual employee. You can find more detail about how your work contributes towards our overall goals in the full Regional Plan and your departmental business plan.

An important challenge for the year ahead will be to maintain past improvements as we adapt to new opportunities created by the merger. Integration, in all its forms, will be extremely important to further progress our service to customers and the environment.

I must thank everyone for their part in preparing for the set up of the Environment Agency. I am confident that we can all now look forward to much success this year as we begin to plan for an environment that is fit for future generations to inherit.

Roger Hyde  
*Regional General Manager*

### PRIORITY ENVIRONMENTAL PROJECTS IN THE NORTH EAST FOR 1996/7



Photograph shows low flow in the River Wharfe at Kettlewell.

- The water resources situation in Yorkshire will continue to be of serious concern if weather conditions remain dry. We anticipate that the established drought will extend throughout this summer. Significant input will be required to ensure that potential environmental impacts are identified and minimised.
- Abandoned minewaters continue to threaten our water environment. Further collaborative minewater treatment projects and continued groundwater monitoring are planned for this year.
- The evolution of Catchment Management Plans into Local Environment Agency Plans which embrace the whole environment will provide many opportunities at a local level. Our Tees plan will be a national pilot in 1996/97.

## TOP 5 TARGETS FOR EACH AREA 1996/7

### NORTHUMBRIA AREA

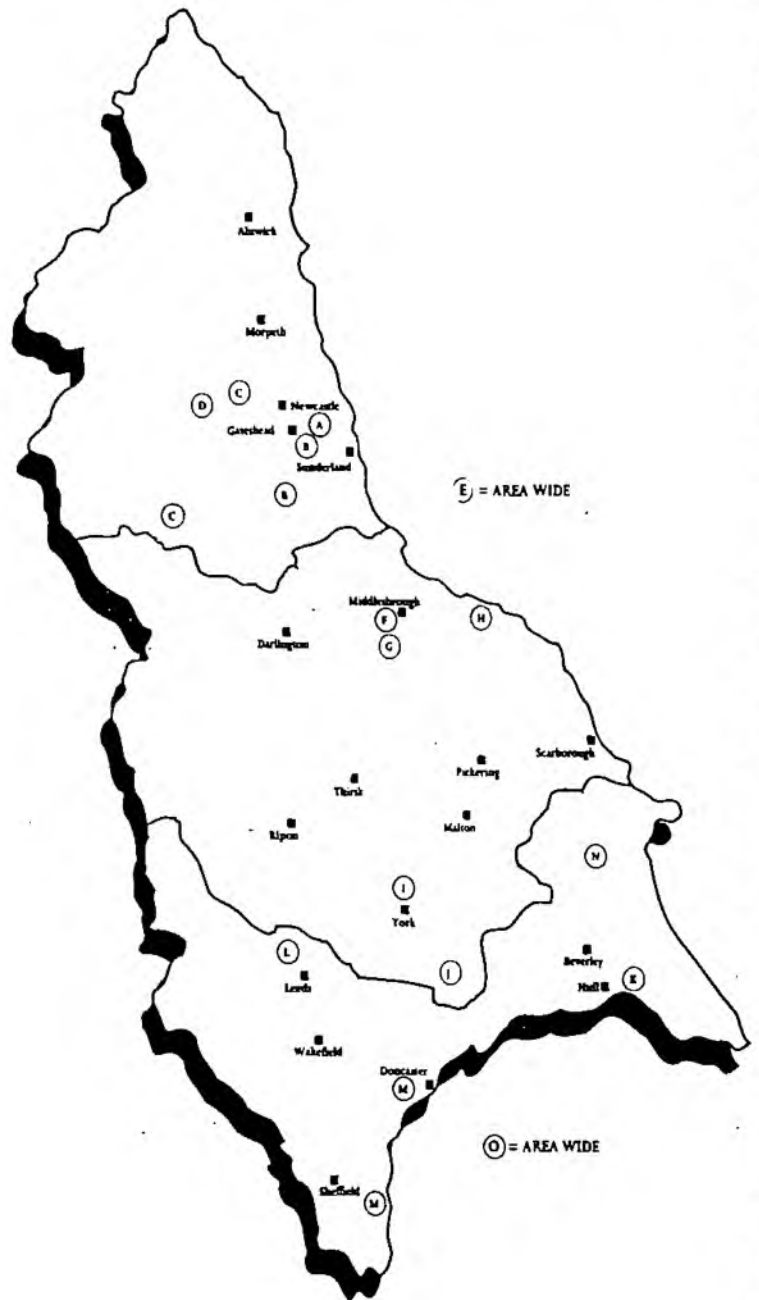
- A** Carry out a project, involving the Pollution Prevention & Control and water management functions, to alleviate dissolved oxygen deficits in the Tyne estuary and reduce salmon mortalities.
- B** Assess pollution risks to the Tyne & Wear catchments from combined sewer overflows and targeted industrial estates, instigating preventative measures where appropriate.
- C** Assess risks to water from farming activities in upper Weardale (Durham) and Whittle Dene (Northumberland), implementing remedial action where necessary.
- D** Identify and implement a scheme for reducing flood risk at Corbridge (Northumberland).
- E** Review all landfill waste management licences and modify licence conditions as appropriate to ensure compliance with Environmental Protection Regulation No. 15.

### DALES AREA

- F** Implement a monitoring programme to assess the impact of the Tees Barrage on water quality, flood defence, fisheries and river habitat.
- G** Restore Stainsby Beck (Thornaby) following a tanker accident which resulted in the spillage of nitrobenzene. This will include removal of polluted material and the reinstatement of river habitat.
- H** Promote the use of landfill gas at Loftus (Redcar & Cleveland) to be used as fuel.
- I** Investigate EC Drinking Water Directive pesticide exceedances at Yorkshire Water Service and York Waterworks abstractions on the River Ouse. Develop an action plan to minimise pesticide inputs.
- J** Collect essential data to assess the impact of the Selby Coalfield extension in the Lower Derwent Valley for presentation at any future public enquiry.

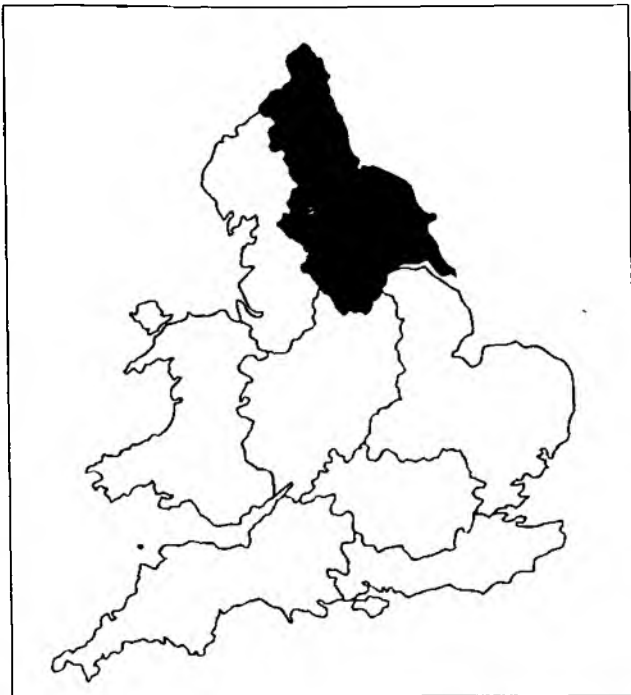
### RIDINGS AREA

- K** Achieve the Flood Defence capital programme, including the Humber estuary tidal defences which must be compatible with Special Protection Areas for wildlife.
- L** Implement the River Aire Statutory Water Quality Objectives (SWQOs) project in line with the national programme. This is one of eight national pilot catchments which will lead to river quality targets being set on a statutory basis.



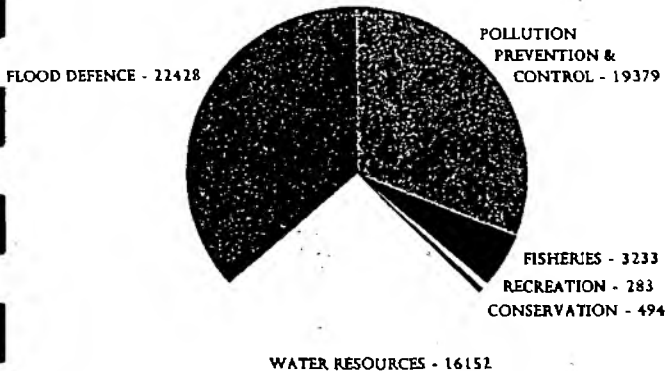
- M** Promotion of Fisheries and Conservation through environmental improvement projects on the River Don at Sprotborough and the River Rother at Woodhouse Washlands.
- N** Examine the hydrological nature of the upper Hull catchment, including flood defences, fisheries, drought conditions and the environmental impact of future potential changes.
- O** Environmental assessment of scrapyard sites to improve standards of site engineering and operation, to minimise environmental impact.

## OTHER REGIONAL PRIORITIES FOR THE NORTH EAST REGION IN 1996/7

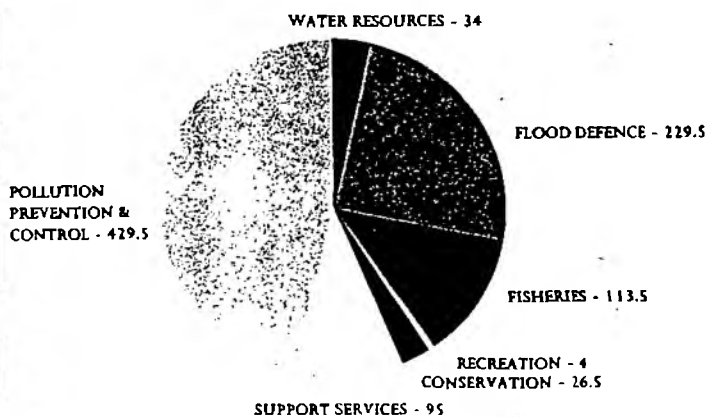


### RESOURCES 1996/7

TOTAL REGIONAL EXPENDITURE 1996/7 (£61,969k)



TOTAL REGIONAL EMPLOYEES 1996/7  
(932 full time equivalents)



- Implement a programme of proactive education to increase public knowledge about the Agency and promote environmental protection and enhancement.
- Further links with local educational establishments and develop working partnerships with local authorities and other organisations.
- Develop proposals for establishing Area Customer Services Centres as part of the first step shop principle.
- Identify and implement best practice in waste management licensing, leading to the harmonisation of waste regulation levels of service.
- Implement the flood warning dissemination project, including taking on the responsibility for flood warning dissemination which was previously undertaken by the police.
- Promote waste minimisation and recycling programmes.
- Establish a regional strategy for dealing with contaminated land.
- Improve internal communications and business efficiency by, amongst other things, relocating employees into integrated office accommodation.
- Review the Integrated Pollution Control (IPC) authorisation improvement programmes and target specific sites where particular issues are identified.
- Work towards achieving the Investors in People standard by the end of April 1997. This standard is based on good business practice in terms of employee communication, training and development.
- Review consent monitoring requirements where IPC authorisations exist.
- Pilot Flood Defence Management System (FDMS) and Flood Defence Management Manual (FDMM).
- Develop a protocol to identify the contribution of IPC processes to short-term air quality problems, and assess its use in assisting with local air quality management.

## KEY STATISTICS

Population -	7.9 million
Area -	23,384 sq km
Areas of Outstanding Natural Beauty -	2,093 km
National Parks -	4,440 km
Sites of Special Scientific Interest -	566
Length of coastline -	343 km
Coastline designated as Heritage Coast -	185 km
EC designated Bathing Waters -	56
Annual rainfall -	600-800 mm
Abstraction licences -	4,400
Discharge consents -	12,500
Major industrial processes -	484
Licensed waste management facilities -	1689
Sites using/storing/dispersing of radioactive waste -	798
Nuclear sites -	2
Registered waste carriers -	11,000
Special waste movements -	84,500
Length of classified river, canal and estuary -	6,230 km
Length of flood defences -	4,996 km
Length of river monitored for fisheries -	9,152 km
Agency landholdings used for recreational purposes -	220

## FURTHER INFORMATION

For information about this leaflet contact: Strategic Planning, Environment Agency - North East Region, Rivers House, 21 Park Square South, Leeds LS1 2QG; Telephone: 0113 244 0191.

Further details about the Environment Agency as a whole will be contained in the National Corporate Plan. This will be published by: Corporate Planning, Environment Agency - Head Office, Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12 4UD; Telephone: 01454 624400.

## EMERGENCY SERVICE

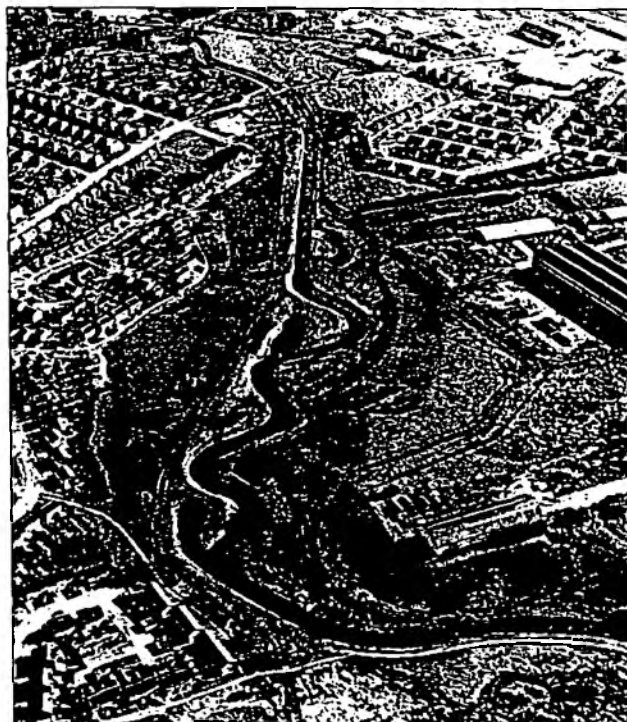
IF YOU spot an environmental problem call the Environment Agency's free 24-hour emergency hotline on

**0800 80 70 60.**

This could be:

- damage or danger to the natural environment
- pollution
- poaching
- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**



Photograph shows the River Skerne before the River Restoration Project (courtesy of Northumbrian Water plc and Aerofilms of Borehamwood) and after (courtesy of Northumbrian Water plc and AirFotos Ltd).



## ENVIRONMENT AGENCY

# REGIONAL PLAN SUMMARY NORTH WEST REGION 1996/7

### LOOKING AT THE YEAR AHEAD

Improving our environment in the North West will be a difficult but nonetheless rewarding challenge. I am sure that we can rise to it with the co-operation, and support of the region's seven million residents and the diverse industries that we have in the area.

The North West has had more than its fair share of pollution. As the birthplace of the industrial revolution, and the home today of a substantial proportion of the country's chemical and heavy industry, it is perhaps inevitable that this would be the case. However, we are determined that pollution from today's activities will be kept to an absolute minimum and that we start to tackle the legacies of the past and change attitudes for the future.

Also, one of our early challenges is balancing the need for water between users and the environment. The region's water resources are currently well below their normal levels, and if last year's drought continues water

will be in short supply again this summer. In contrast we have areas of the north west which are prone to flooding and we will continue to protect people and property from flooding where it is cost beneficial to do so.

We will focus on results by implementing the most modern environmental legislation in the world and we will operate openly & consult widely. In all our works we will seek to promote a growing understanding that protecting the environment we live in is not just important - but vital if we are to meet our current needs and not prejudice the ability of future generations to meet their needs.

*Ian Handyside*

Ian Handyside  
Regional General Manager

### PRIORITY ENVIRONMENTAL TARGETS IN THE NORTH WEST FOR FOR 1996/7

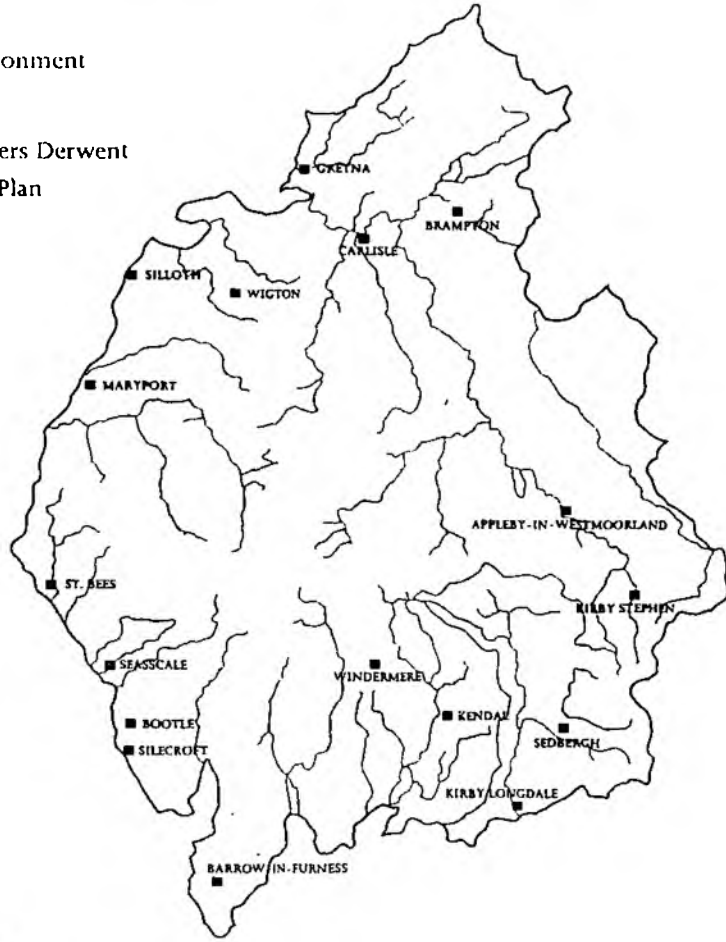


Einwood Reservoir

- Provide flood warnings direct to the public from 1st September 1996
- Work to maintain the best balance between the needs of all water users and the environment and give attention to medium and long-term water management strategy
- Develop waste regulation activities to provide a consistent and improved service throughout the Region
- Pilot multifunctional auditing of major industrial sites
- Complete Overton and Middleton sea defence schemes
- Manage the renewal of the Solway and River Ribble Net Limitation Orders.
- Ensure best use of resources for fisheries management.

**NORTH AREA**

- Establish the South Lakeland Local Environment Agency Plan
- Carry out the annual review for the Rivers Derwent and Cocker Local Environment Agency Plan
- Revise authorisations at Drigg
- Monitor ongoing decommissioning at Sellafield
- Construct the River Eden monitoring station at Warwick Bridge
- Collaborate to establish River Eden, Derwent & Cocker, Ehen & Eden SSSI's & SACs (Sites of Special Scientific Interest and Special Area of Conservation)



**CENTRAL AREA**

- Establish the River Wyre Local Environment Agency Plan
- Carry out annual reviews for the River Douglas and the River Ribble Local Environment Agency Plans
- Complete the River Yarrow Statutory Water Quality Objectives pilot study
- Establish a cross-functional team to process applications for power generation using off-shore gas supplies
- Complete the River Alt River Rehabilitation Project





## KEY STATISTICS

Area -	14,445 sq km
Population -	7.1 million
Length of tidal estuary & sea defences maintained -	280km
Length of fluvial main river -	5,947 km
Length of coastline -	432km
Sites of Special Scientific Interest -	400+
Abstraction licences -	3,543
Discharge consents -	9,029
Category 1 & 2 pollution incidents in 1995/96 -	382
EC bathing waters -	33
Major industrial discharges regulated -	940
Planning applications processed in 1995/96 -	17,586
Licensed Waste Management Sites -	992
Registered Carriers -	9,333
Exempt activity registrations on register -	2,087
Special waste movements -	121,831
Waste enforcement prosecutions in 1995/96 -	64
Nuclear Licenced Sites -	10
Radioactive waste sites -	108
Number of fish stocked in 1995/96 -	1.8 million
Fish rescues in 1995/96 -	119
Land holdings used for recreational purposes -	10

## FURTHER INFORMATION

For information about this leaflet contact: Corporate Planning, The Environment Agency, North West Region, P O Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HG; Telephone 01925 653999. Further details about the Environment Agency as a whole will be contained in the National Corporate Plan. This will be published by: Corporate Planning, The Environment Agency - Head Office, Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12 4UD; Telephone 01454 624400.

## EMERGENCY SERVICE

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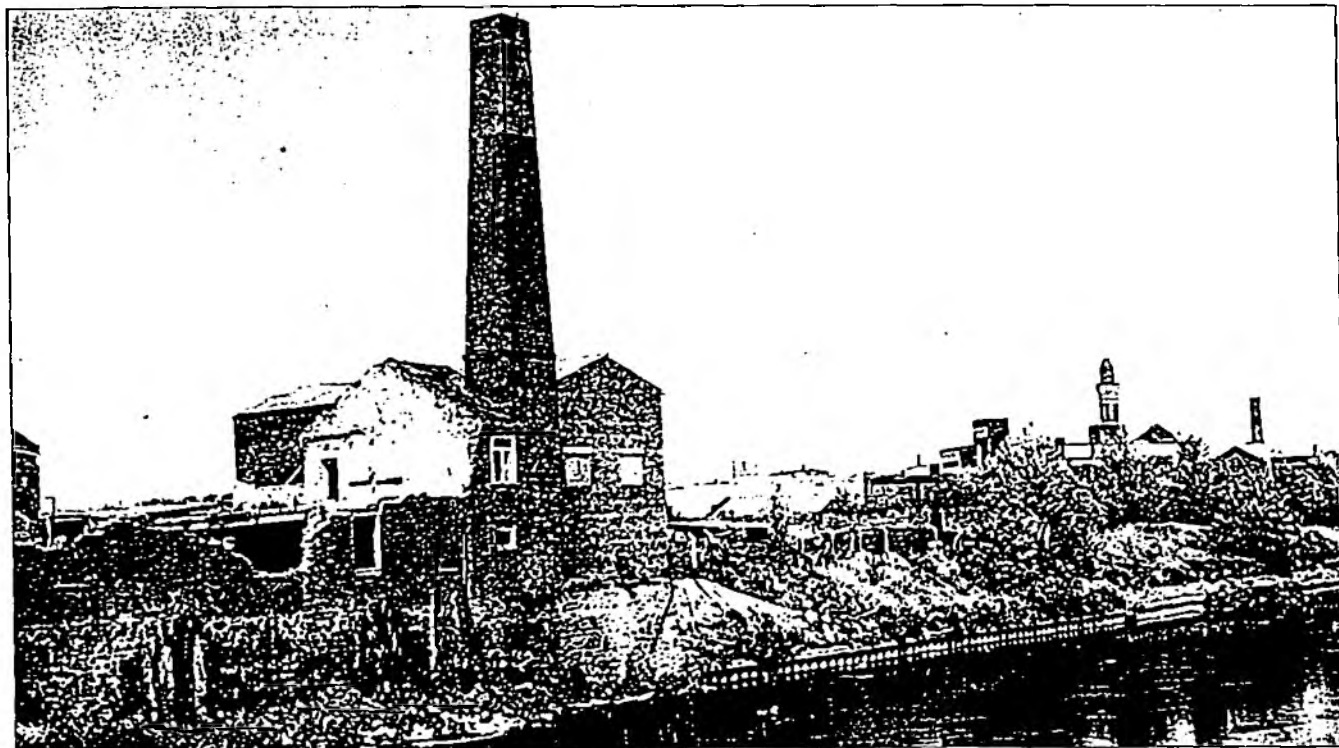
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- damage or danger to the natural environment
- pollution
- poaching
- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**

Your prompt action helps us protect the environment. Please don't use this number for routine or general enquiries you may prevent someone else getting through in an emergency.

For **GENERAL ENQUIRIES**, RING Your local Environment Agency Office on: **0645 333 111**  
DURING OFFICE HOURS ONLY



River Irwell



ASiantaeth yr Amgylchedd  
ENVIRONMENT AGENCY

## REGIONAL PLAN SUMMARY WELSH REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

On 1st April 1996, staff from the National Rivers Authority, Her Majesty's Inspectorate of Pollution and the Waste Regulation Authorities of the former District Councils came together to form the Welsh Region of the Environment Agency. In addition to our inherited duties, we have been given new responsibilities in areas such as sustainable development and the remediation of contaminated land. We are therefore well equipped to provide the overview on environmental issues, which the government expects from us.

Over the coming year, we will develop our integrated approach to environmental management. This promises to deliver sound decision making and operating efficiencies. We aim to maintain our standards of service, while making the process of dealing with the Agency more straightforward.

In addition to our reorganisation and routine work, we face a number of specific environmental challenges. We will work with other organisations, and seek European and National Lottery funding, so that every pound we spend goes further.

The recent Sea Empress disaster illustrates how much the economy of Wales is bound up with the quality of our natural environment. We will develop this theme, as we seek to deliver continuing environmental improvement in the overall context of sustainable economic development.

John Stoner  
Regional General Manager

### PRIORITY ENVIRONMENTAL PROJECTS IN THE WELSH REGION DURING 1996/7

- We will manage the drought (particularly in the Dee) so that the right balance is struck between the needs of the abstractors and those of the environment.
- Planned improvements to the Wentlooge Sea Defences have been delayed by an objection to the Environmental Statement; it is still hoped that construction can begin later this year.
- We will support the operational response to the Sea Empress oil tanker spillage and contribute to investigations into its impact on the environment.



Photograph shows low water level in Llyn Celyn Reservoir, North Wales.

## TOP 5 TARGETS FOR EACH AREA 1996/7

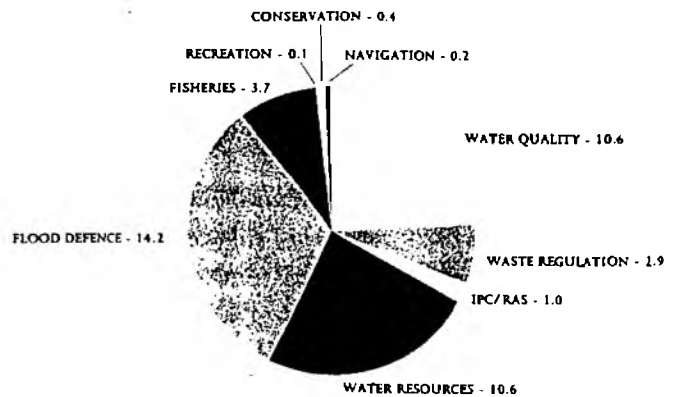
### SOUTH EAST AREA

- A** The ongoing re-development of Cardiff Bay has implications for all our Functions; for example, we will continue our programme to assess the impact of the barrage on migratory salmonids.
- B** Work will continue with National Power plc at Aberthaw Power Station to reduce particulate levels, reduce NOx levels and extend the continuous monitoring of emissions.
- C** Planned improvements to the Wentlooge Sea Defences have been delayed by an objection to the Environmental Statement; it is still hoped that construction can begin later this year.
- D** Following extensive consultation, we are seeking Navigation Authority powers on the River Wye. This will allow sustainable development of the river's facilities to be pursued through a local Advisory Committee. (Joint initiative with our Midlands Region).
- E** Removal of waste to enable re-development is an issue affecting many sites, including a former municipal site in Cardiff Bay, and the Phurnacite plant at Aberdare.

### SOUTH WEST AREA

- F** We will support the operational response to the Sea Empress oil tanker spillage and contribute to investigations into its impact on the environment. We will also ensure that proposals for Pembroke Power Station meet appropriate environmental standards.
- G** Flood alleviation proposals for Abergwili (Carmarthen) and Glan yr Afon (Aberystwyth) will be finalised; schemes will be completed at Llanelli, Pontardulais and Carmarthen.
- H** We will continue to participate in major projects to treat abandoned mine discharges in the Neath and Pelenna catchments.
- I** The application to raise the level of Llyn Brienne dam will be determined and rules devised to minimise the environmental impact of the associated hydro-electric scheme.
- J** We will produce a Salmon Management Plan for the river Teifi, and investigate the impact of the Tawe Barrage on fish stocks and water quality.

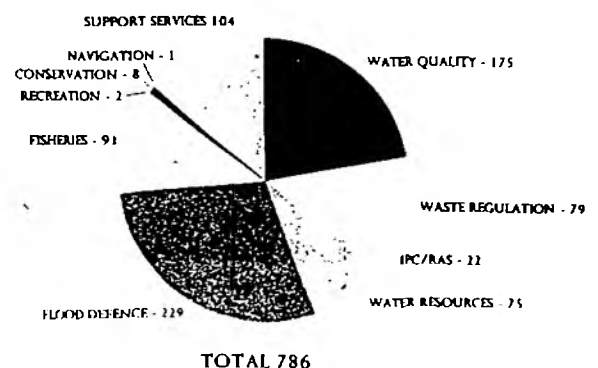
**TOTAL REGIONAL EXPENDITURE  
1996/7 (£43.7M)**



### NORTHERN AREA

- K** In addressing the drought, we will seek to enhance the reliability of water resources, by improving the management of storage and refill within existing reservoirs.
- L** We will continue to seek funding for the 'Wetlands for Wales' Strategy, which has been drawn up with a number of other organisations.
- M** We will continue to support the collaborative Dee Waste Minimisation Project, aiming to increase local participation and to set an example to industry elsewhere. (Joint initiative with our North West Region).
- N** A decision is currently awaited from the Secretary of State for Wales on the Dee Water Protection Zone; this would provide high security for the quality of this important water resource. (Joint initiative with our North West Region).
- O** Finchetts Gutter Flood Protection Scheme, which will improve protection in the Sealand area of Chester, will commence this year and is due for completion in 1997-98. (Joint initiative with our North West Region).

**TOTAL REGIONAL EMPLOYEES  
1996/7 (FTE)**



## Y 5 PRIF DARGED AR GYFER POB ARDAL 1996/7

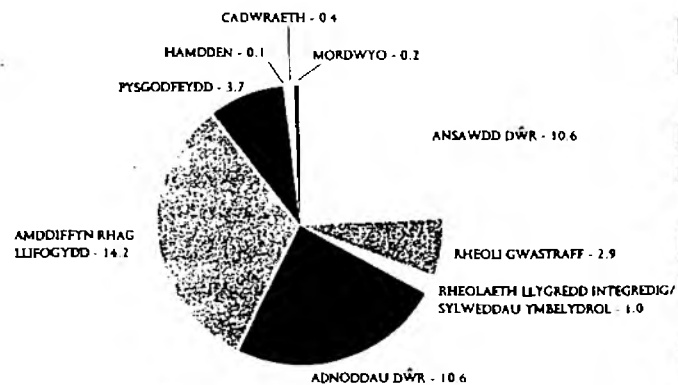
### ARDAL Y DE-DDWYRAIN

- A. Mae gan y gwaith o ailddatblygu Bae Caerdydd oblygiadau ar gyfer ein holl Swyddogaethau; er enghraifft, byddwn yn parhau â'n rhaglen o asesu effaith y bared ar eogiaid a sewin mudol.
- B. Byddwn yn parhau â'r gwaith a wneir yng Ngorsaf Drydan Aberddawan, ar y cyd â National Power plc, i ostwng lefelau gronynnol, gostwng lefelau NOx ac ymestyn y monitro parhaus ar allyriannau.
- C. Methwyd â mynd ymlaen â'r gwelliannau i Amddiffynfeydd Môr Gwynllŵg oherwydd gwrthwynebiad i'r Datganiad Amgylcheddol; gobeithir y gellir dechrau ar y gwaith yn ddiweddarach eleni.
- D. Yn dilyn ymgynghori eang, rydym yn ceisio pwerau Awdurdod Mordwyo ar Afon Gwy. Bydd hyn yn caniatáu i gyfleusterau'r afon gael eu datblygu mewn ffordd gynladwy drwy Bwyllgor Ymgynghori lleol. (Menter ar y cyd â Rhanbarth y Canolbarth.)
- E. Mae symud gwastraff er mwyn gallu ailddatblygu yn bwnc sy'n effeithio ar sawl safle, gan gynnwys hen safle'r Cyngor ym Mae Caerdydd a safle Phurnacite yn Aberdâr.

### ARDAL Y DE-ORLLEWIN

- F. Byddwn yn cefnogi'r ymdrechion i ymdrin â'r olew a gollwyd o'r Sea Empress ac yn cymryd rhan yn yr ymchwiliadau i'r effaith ar yr amgylchedd. Byddwn hefyd yn sicrhau bod y cynigion ar gyfer Gorsaf Drydan Penfro yn cwrdd â'r safonau amgylcheddol priodol.
- G. Byddwn yn cwblhau llunio'r cynigion ar gyfer lliniaru llifogydd yn Abergwili, Caerfyrddin a Glan yr Afon, Aberystwyth; cwblheir cynlluniau yn Llanelli, Pontarddulais a Chaerfyrddin.
- H. Byddwn yn dal i gyfrannu at gynlluniau i drin arllwysadau o hen fwyngloddffeydd yn nalgylchoedd Castell-nedd a Pheledda.
- I. Gwneir penderfyniad ar y cais i godi lefel Llyn Brianne a llunir rheolau i leihau i'r eithaf effeithiau amgylcheddol y cynllun trydan-dŵr cysylltiedig.
- J. Byddwn yn cynhyrchu Cynllun Rheoli Eogiaid ar gyfer Afon Teifi ac yn ymchwilio i effaith Bared Tawe ar stociau pysgod ac ansawdd dŵr.

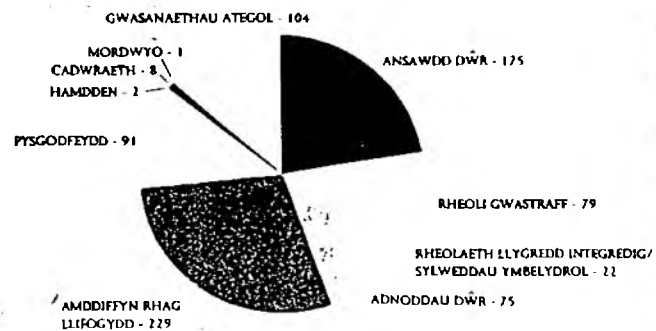
**CYFANSWM Y GWARIANT RHANBARTHOL  
1996/7 (£43.7m)**



### ARDAL Y GOGLEDD

- K. Mewn ymateb i'r sychder, byddwn yn ceisio gwneud adnoddau dŵr yn fwy dibynadwy drwy wella dulliau storio ac ail-lenwi yn y cronfeydd dŵr presennol.
- L. Byddwn yn parhau i geisio cael cyllid ar gyfer y Strategaeth 'Gwlyptiroedd i Gymru', a gynlluniwyd ar y cyd â nifer o sefydliadau eraill.
- M. Byddwn yn dal i gefnogi'r project cydweithiol Lleihau Gwastraff yn Afon Dyfrdwy, gan geisio cael mwy o bobl leol i gymryd rhan a gosod esiampl i ddiwydiant mewn mannau eraill. (Menter ar y cyd â Rhanbarth y Gogledd-Orllewin).
- N. Yr ydym ar hyn o bryd yn aros am benderfyniad Ysgrifennydd Gwladol Cymru ar Gylchfa Ddiogelu Dŵr Afon Dyfrdwy; byddai hyn o gymorth mawr i sicrhau ansawdd yr adnodd dŵr gwerthfawr hwn. (Menter ar y cyd â Rhanbarth y Gogledd-Orllewin).
- O. Byddwn eleni yn dechrau gweithredu Cynllun Amddiffyn rhag Llifogydd Finchetts Gutter, a fydd yn gwella amddiffynfeydd yn ardal Sealand yng Nghaer, ac fe'i cwblheir ym 1997-98. (Menter ar y cyd â Rhanbarth y Gogledd-Orllewin).

**CYFANSWM Y STAFF YN Y RHANBARTH  
1996/7 (CAALI)**





ASiantaeth yr Amgylchedd  
ENVIRONMENT AGENCY

## CRYNODEB O'R CYNLLUN RHANBARTHOL RHANBARTH CYMRU 1996/7

### GWNEUD GWAHANIAETH FYDD YN PARHAU

Ar 1af Ebrill 1996, daeth staff yr Awdurdod Afonydd Cenedlaethol, Arolygiaeth Llygredd Ei Mawrhydi ac Awdurdodau Rheoli Gwastraff y cyn-Gynghorau Dosbarth ynghyd i ffurfio Rhanbarth Cymru o Asiantaeth yr Amgylchedd. Yn ychwanegol at y dyletswyddau a etifeddwyd gennym, rhoddwyd cyfrifoldebau newydd i ni mewn meysydd megis datblygiad cynladwy ac adfer tir halogedig. Rydym felly mewn sefyllfa dda i edrych ar faterion amgylcheddol yn eu cyfanrwydd, fel y mae'r llywodraeth yn ei ddisgwyl gennym.

Yn ystod y flwyddyn i ddod, byddwn yn datblygu ein dull integredig o reoli'r amgylchedd. Credwn y bydd hyn yn arwain at wneud penderfyniadau cadarn a gweithredu effeithlon. Ein hamcan yw cynnal ein safonau gwasanaeth, tra'n gwneud y broses o ymdrin â'r Asiantaeth yn fwy syml.

Yn ogystal â'n gwaith ad-drefnu a gwaith bob dydd, byddwn yn wynebu sawl her amgylcheddol benodol. Byddwn yn gweithio gyda sefydliadau eraill, ac yn ceisio arian o Ewrop a'r Loteri Genedlaethol, er mwyn i bob punt a wariwn fynd ymhellach.

Mae trychineb y Sea Empress yn dangos cymaint y mae economi Cymru yn dibynnu ar ansawdd ein hamgylchedd naturiol. Byddwn yn datblygu'r thema hon, wrth i ni geisio sicrhau gwelliannau amgylcheddol parhaus law yn llaw â datblygiad economaidd cynladwy.

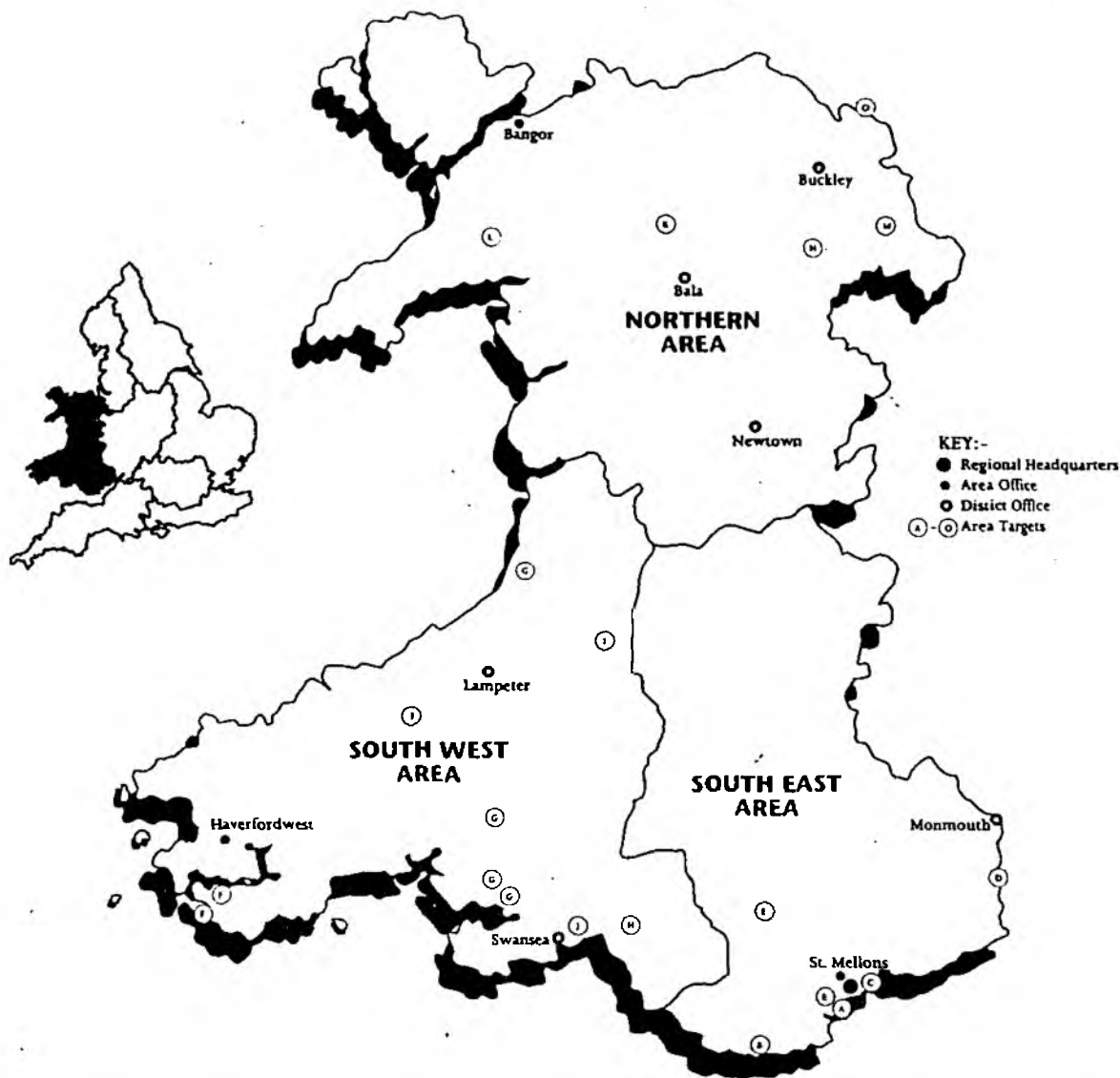
John Stoner  
Rheolwr Cyffredinol Rhanbarthol

### PRIF BROJECTAU AMGYLCHEDDOL YN RHANBARTH CYMRU YN YSTOD 1996/7

- Byddwn yn rheoli'r sychder (yn enwedig yn Afon Dyfrdwy) er mwyn sicrhau cydbwysedd rhwng anghenion tynwyr dŵr ac anghenion yr amgylchedd.
- Gohiriwyd y gwelliannau arfaethedig i Amddiffynfeydd Môr Gwynllŵg oherwydd gwrthwynebiad i'r Datganiad Amgylcheddol; gobeithir y gellir cychwyn ar y gwaith yn ddiweddarach eleni.
- Byddwn yn cefnogi'r ymdrechion i ymdrin â'r olew a gollwyd o'r Sea Empress ac yn cymryd rhan yn yr ymchwiliadau i'r effaith ar yr amgylchedd.



Mae'r ffotograff yn dangos lefel isel y dŵr yng Nghronfa Ddŵr Llyn Celyn, Gogledd Cymru.



## REGIONAL PRIORITIES FOR WELSH REGION DURING 1996/7

- Undertake an efficiency review across the Region seeking opportunities for integration, particularly within Pollution Prevention & Control.
- Develop Area Customer Service Centres and the principle of the "First Step Shop", including provision of a bilingual service as required by the Welsh Language Act.
- Continue to develop collaborative schemes, making best use of European and National Lottery funding.
- Ensure that catchment management planning is effectively developed within the wider remit of Local Environment Agency Plans.
- Accommodate amendments to existing Water Quality legislation being introduced by the Environment Act 1995.
- Harmonise the Waste Regulation service across the Region.
- Implement and enforce the new Special Waste Regulations from 1st September 1996.
- Manage the drought (particularly in the Dee) so that the right balance is struck between the needs of the abstractors and those of the environment. (Joint initiative with our North West and Midlands Regions).
- Act as pilot Region for the implementation of the National Abstraction Licensing Database.
- Provide flood warnings directly to the public from 1st September 1996.
- Complete legislative changes to Fisheries Byelaws and Orders to protect fish stocks.
- In collaboration with Countryside Council for Wales and English Nature, prepare draft conservation strategies and consenting protocols for the Rivers Lugg, Wye, Usk, Teifi and Tywi. (Joint initiative with our Midlands Region).
- In liaison with the Welsh Canoeing Association, prepare a prioritised list of site improvements for canoe access and facilities.

## KEY STATISTICS

Area :	20,763 sq km
Population :	3 million
Length of tidal defences :	137km
Length of Agency sea defences :	114km
Length of fluvial main river :	5,686km
Length of salmon & sea trout fisheries :	7,000km
Number of salmon reported caught by anglers 1994 :	7,901
Number of sea trout reported caught by anglers 1994 :	24,585
Number of EC bathing waters :	56
Number of Category 1 & 2 pollution incidents 95-96 :	212
Number of discharge consents :	7,673
Average Rainfall -	1,310mm
Volume of authorised surface & groundwater abstraction :	26,591 Ml/d
Number of abstraction & impoundment licences in force :	4,306
Number of abstraction licence inspections 95-96 :	1,500
Number of planning applications processed 95-96 :	8,820
Number of licensed waste management facilities 95-96 :	509
Number of registered carriers of waste 95/96 :	4,969
Number of major industrial processes regulated :	350
Number of radioactive disposal sites :	80 (includes 4 nuclear sites)
Number of Integrated Pollution Control (IPC) inspections 95-96 :	846
Number of radioactive substance (RAS) inspections made 95-96 :	169

## FURTHER INFORMATION

For information about this leaflet contact: Corporate Planning, Environment Agency, Welsh Region, Rivers House, St Mellons Business Park, St. Mellons, Cardiff, CF3 0LT; Telephone 01222 770088.

Further details about the Environment Agency as a whole will be contained in the National Corporate Plan. This will be published by: Corporate Planning, Environment Agency - Head Office, Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12 4UD; Telephone 01454 624400.

## EMERGENCY SERVICE

IF YOU spot an environmental problem call the Environment Agency's free 24-hour emergency hotline on

**0800 80 70 60.**

This could be:

- damage or danger to the natural environment
- pollution
- poaching
- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**

GENERAL ENQUIRY NUMBER : 0645 333 111



Picture of Milford Haven courtesy of "Alan Shepherd Transparency Library"

## YSTADEGAU ALLWEDDOL

Arwynebedd:	20,763 km sgwâr
Poblogaeth:	3 miliwn
Hyd amddiffynfeydd llanw:	137km
Hyd amddiffynfeydd môr yr Asiantaeth:	114km
Hyd y prif afonydd:	5,686km
Hyd y pysgodfeydd eogiaid a sewin:	7,000km
Nifer yr eogiaid wedi'u dal a'u cofnodi gan bysgotwyr 1994:	7,901
Nifer y sewin wedi'u dal a'u cofnodi gan bysgotwyr 1994:	24,585
Nifer y dyfroedd ymdrochi CE:	56
Nifer yr achosion o lygredd Dosbarth 1 a 2 95-96:	212
Caniatâd i arllwys, nifer a roddwyd:	7,673
Glawiad Cyfartalog:	1,310mm
Cyfaint tyniadau dŵr arwyneb a dŵr daear:	26,591 Ml/d
Nifer y trwyddedau tynnu a chasglu dŵr mewn grym:	4,306
Nifer yr arolygiadau o drwyddedau tynnu dŵr 95-96:	1,500
Nifer y ceisiadau cynllunio a broseswyd 95-96:	8,820
Nifer y cyfleusterau rheoli gwastraff trwyddedig 95-96:	509
Nifer y cludwyr gwastraff trwyddedig 95/96:	4,969
Nifer y prosesau diwydiannol mawr a reoleiddir:	350
Nifer y safleoedd gwaredu ymbelydrol: 80 (yn cynnwys 4 safle niwclear)	
Nifer yr arolygiadau Rheolaeth Llygredd Integredig (IPC) 95-96:	846
Nifer yr arolygiadau o sylweddau ymbelydrol (RAS) 95-96:	169

## GWYBODAETH BELLACH

I gael gwybodaeth am y daflen hon cysyllter â: Cynllunio Corfforaethol, Asiantaeth yr Amgylchedd, Rhanbarth Cymru, Plas-yr-Afon, Parc Busnes Llaneirwg, Llaneirwg, Caerdydd, CF3 0LT; Ffôn 01222 770088.

Manylir ymhellach ar Asiantaeth yr Amgylchedd yn ei chyfanrwydd yn y Cynllun Corfforaethol Cenedlaethol. Bydd hwn yn cael ei gyhoeddi gan: Cynllunio Corfforaethol, Asiantaeth yr Amgylchedd, Rio House, Waterside Drive, Aztec West, Almondsbury, Bryste BS12 4UD; Ffôn 01454 624400.

## LLINELL ARGYFWNG

Os ydych yn gweld problem amgylcheddol ffoniwch yr Asiantaeth ar ein llinell argyfwng, 24-awr, yn rhad ac am ddim ar:

**0800 80 70 60**

Gall fod:

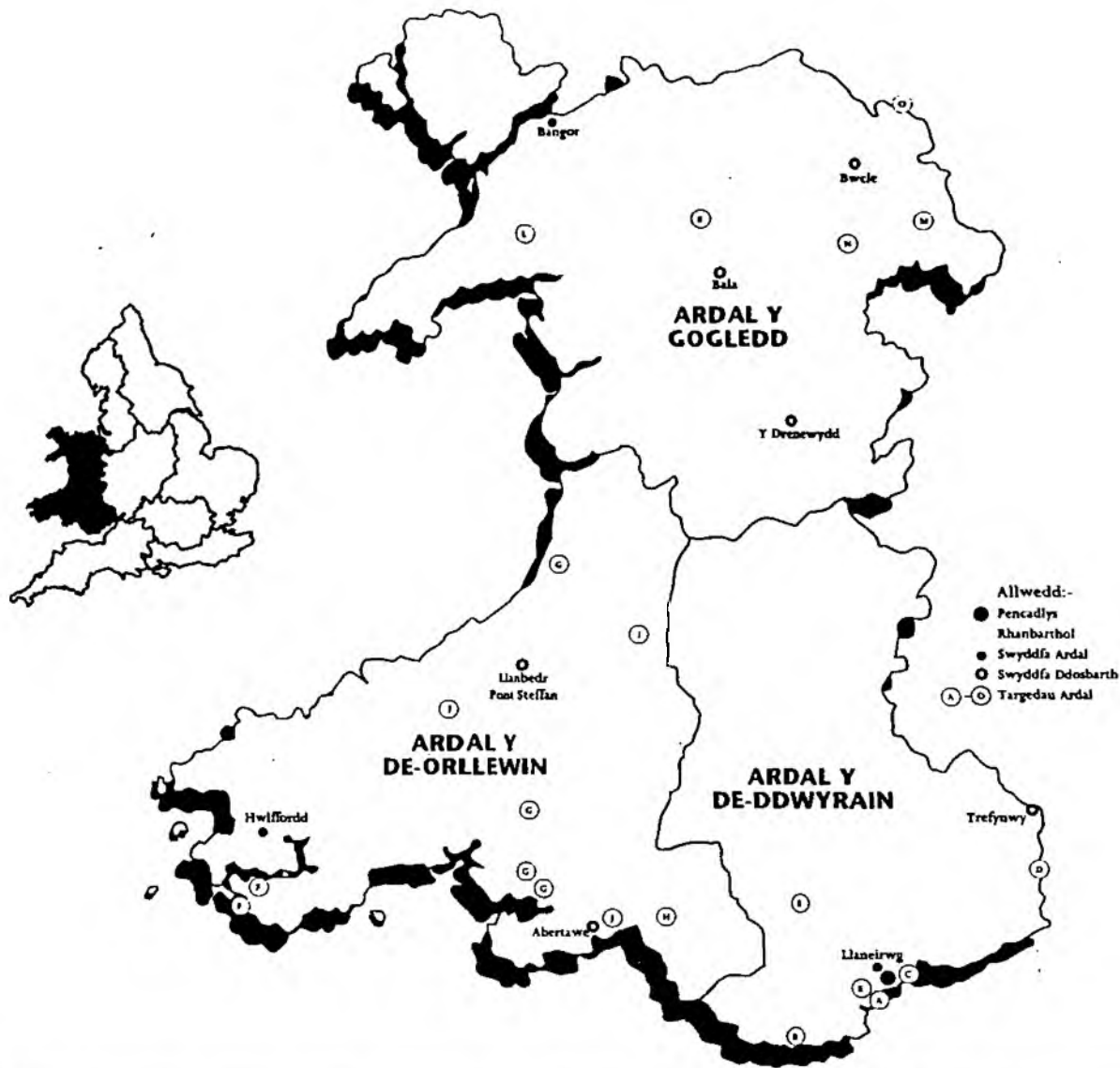
- Niwed neu berygl i'r amgylchedd naturiol
- Llygredd
- Potsio
- Peryglu bywyd gwyllt
- Pysgod mewn perygl
- Tomennydd gwastraff anghyfreithlon a pheryglus
- Llifogydd

PEIDWCH Â'I ANWYBYDDU.....CODWCH Y FFÔN  
RHIF YMHOLIADAU CYFFREDINOL: 0645 333 111



Llun o Aberdaugleddau gan "Alan Sheperd Transparency Library"





## BLAENORIAETHAU AR GYFER RHANBARTH CYMRU YN YSTOD 1996/7

- Gwneud adolygiad o effeithlonedd ar draws y Rhanbarth gan chwilio am gyfleoedd i integreiddio, yn enwedig o fewn Atal a Rheoli Llygredd.
- Datblygu Canolfannau Gwasanaethau Cwsmeriaid Ardal a'r egwyddor o "Siop Cam Cyntaf", gan gynnwys darparu gwasanaeth dwyieithog yn unol â gofynion Deddf yr Iaith Gymraeg.
- Parhau i ddatblygu cynlluniau ar y cyd, gan wneud y defnydd gorau o arian o Ewrop a'r Loteri Genedlaethol.
- Sicrhau bod cynllunio i reoli dalgylchoedd yn cael ei ddatblygu'n effeithiol o fewn maes gorchwyl ehangach Cynlluniau Lleol Asiantaeth yr Amgylchedd.
- Cymryd i ystyriaeth welliannau i ddeddfwriaeth Ansawdd Dŵr a gyflwynir gan Ddeddf yr Amgylchedd 1995.
- Cysoni'r gwasanaeth Rheoli Gwastraff ar draws y Rhanbarth.
- Gweithredu a gorfodi y Rheoliadau Gwastraff Arbennig o 1af Medi 1996.
- Rheoli'r sychder (yn enwedig yn Afon Dyfrdwy) er mwyn sicrhau cydbwysedd rhwng anghenion tynwyr dŵr ac anghenion yr amgylchedd. (Menter ar y cyd â Rhanbarthau y Gogledd-Orllewin a Chanolbarth).
- Bod yn Rhanbarth peilot ar gyfer gweithredu'r Gronfa Ddata Trwyddedu Tyniadau Dŵr Genedlaethol.
- Rhoi rhybuddion llifogydd yn uniongyrchol i'r cyhoedd o 1af Medi 1996.
- Cwblhau newidiadau deddfwriaethol i'r Is-ddeddfau a Gorchmynion Pysgodfeydd i ddiogelu stociau pysgod.
- Ar y cyd â Chyngor Cefn Gwlad Cymru ac English Nature, paratoi cynlluniau drafft cadwraethol a phrotocolau cydsyniol ar gyfer Afonydd Lugg, Gwy, Wysg, Teifi a Thywi. (Menter ar y cyd â Rhanbarth y Canolbarth).
- Mewn cydweithrediad â Chymdeithas Ganwio Cymru, paratoi rhestr o flaenoriaethau ar gyfer gwella safleoedd mynediad a chyfleusterau i ganwyr.



# ENVIRONMENT AGENCY

## REGIONAL PLAN SUMMARY

### MIDLANDS REGION 1996/7

#### MAKING A DIFFERENCE THAT LASTS

The Environment Agency will provide a more comprehensive approach to the protection and management of the environment by combining the regulation of land, air and water. Its creation is a major and positive step, merging the expertise of the National Rivers Authority, Her Majesty's Inspectorate of Pollution, the Waste Regulation Authorities and several smaller units from the Department of the Environment.

The Agency is tasked with making a real difference to the environment that will last through the next generations. We will do this by building on the successful partnerships established by our predecessors and focusing resources in our four Areas. A new approach will be the setting up of Area Environment

Groups, which will be the fora for progressing and developing Local Environment Agency Plans and our involvement with Local Agenda 21 environmental initiatives.

My aim is to provide an efficient and responsive local service through the Area Offices. Customers can make their first contact with the Environment Agency through our friendly Customer Services Managers.

Dr David King  
Regional General Manager

#### PRIORITY ENVIRONMENTAL PROJECTS FOR THE MIDLANDS FOR 1996/7



A Waste Incinerator

- Provide accessible public information on the environment in the Midlands including the production of an annual Midlands Environmental Issues Report.
- Ensure Shropshire Groundwater Scheme Phase III abstraction boreholes are operational to secure water resources for the West Midlands.
- Undertake initiatives to promote the minimisation of waste materials including a survey and issues report on clinical waste in the Midlands.
- Introduce Environment Agency led procedures for disseminating flood warnings from September 1996.
- Liaise with Local Authorities in the context of the National Air Quality Strategy.
- Implement a scheme to alleviate low flows on Dover Beck, Nottinghamshire, to increase water resources and to improve the water environment.
- Define 47 Groundwater Protection Zones for the Region as part of the implementation of the Environment Agency's groundwater protection policy in the Midlands.

## TOP 5 TARGETS FOR EACH AREA 1996/7

### UPPER SEVERN

- A Surveillance of groundwater, removal of contaminated wastes and further improvement of IPC authorisations at Overlay Hill site, Wellington.
- B Complete Severn Valley Wetland Project (Venus Pool, Shrewsbury) and continue Severn Way upstream of Shrewsbury.
- C Improve fisheries habitat on Rivers Tern and Perry.
- D Ensure Shropshire Groundwater Scheme Phase III abstraction boreholes are operational at Newton, Preston Gubbals and Great Wollascott to secure water resources for the West Midlands.
- E Evaluate movement of chromium pollution in Cradley Heath Aquifer so as to pinpoint origin.

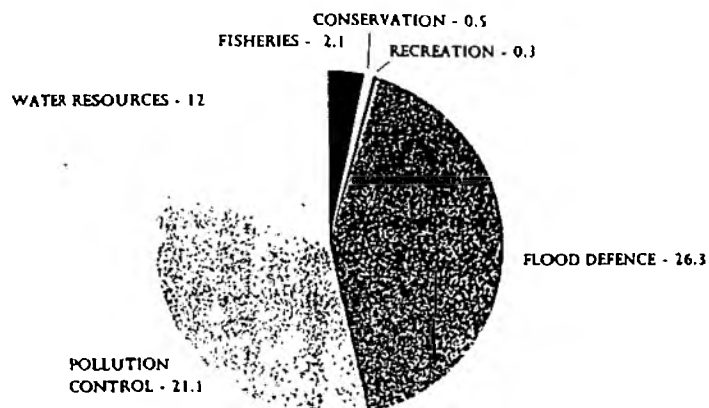
### LOWER SEVERN

- F River Chelt - improve the river corridor, water quality and urban river amenity (in association with Severn Trent Water Company and Cheltenham Borough Council).
- G Negotiate a revised operational plan and waste management licence in respect of Hempsted landfill so as to improve environmental controls and minimise the impact of the site on the environment.
- H Negotiate a future operational agreement for the Gloucester/Sharpness Canal to increase water resources availability (in association with British Waterways and Bristol Water Company).
- I Construct a new fish pass and elver pass at Harvington Weir on the River Avon.
- J Construct a new flood defence to protect undefended property, people and farmland at Weir Green on the Severn Estuary, south of Gloucester.

### UPPER TRENT

- K Renovate Henmore Brook floodwall at Ashbourne to increase flood protection.
- L Implement a strategy to prevent the de-oxygenation of the River Tame downstream of Lea Marston Lakes.
- M Oversee the completion of the commissioning of the new plant at Coleshill incinerator to achieve a reduction in emissions to atmosphere.
- N Carry out habitat improvements to urban River Cole, Solihull, as part of Project Kingfisher.
- O Improve river corridor for conservation and fisheries by tree planting at Stoke-on-Trent and Alrewas.

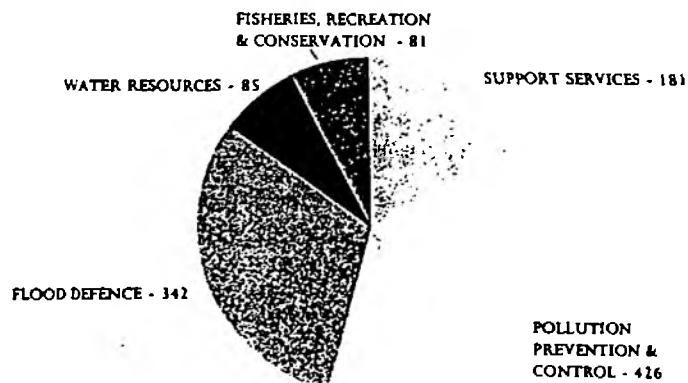
### TOTAL REGIONAL EXPENDITURE 1996/97 (£62.3M)



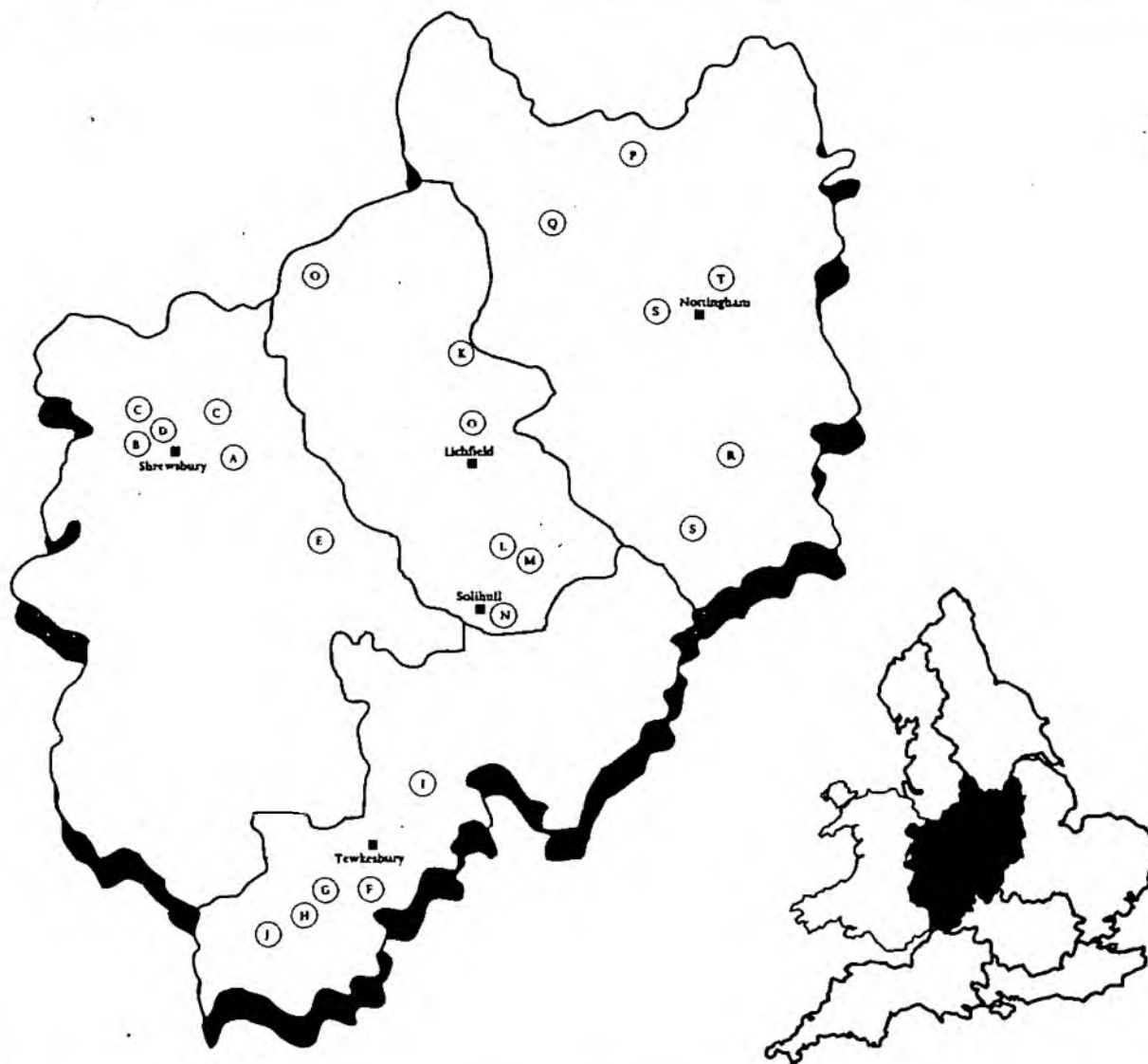
### LOWER TRENT

- P Reduction in emission of Volatile Organic Compounds (VOCs) and odours at Coalite, Chesterfield.
- Q Improve flood defences at Darley Bridge on River Derwent to ensure the required standard of flood protection is provided.
- R Improve fisheries habitat on River Wreake.
- S Reduce colour from the dye industry on Rivers Soar, Sence and Erewash by ensuring compliance with consents.
- T Implement a scheme to alleviate low flows on Dover Beck, Nottinghamshire, to increase water resources and to improve the water environment.

### TOTAL REGIONAL EMPLOYEES 1996/97 (1115 full time equivalents)



## MIDLANDS REGION - LOCATION OF AREA TARGETS



## OTHER REGIONAL PRIORITIES FOR 1996/7

- Introduce Environment Agency led procedures for disseminating flood warnings from September 1996.
- Complete canal freshwater fish close season review and implement as appropriate.
- Produce regional Biodiversity Action Plans.
- Work with others (environmental trusts, environmental business groups and local pollution prevention groups) to improve environmental quality in the Midlands.
- Produce updated Regional Water Resources Strategy in the light of the 1995/96 drought.
- Define 47 Groundwater Protection Zones for the Region as part of the implementation of the Environment Agency's groundwater protection policy in the Midlands.
- Produce detailed action plan for Abandoned Mines.
- Liaise with Local Authorities in the context of the National Air Quality Strategy.
- Provide accessible public information on the environment in the Midlands including the production of an annual Midlands Environmental Issues Report.
- Undertake initiatives to promote the minimisation of waste materials including a survey and issues report on clinical waste in the Midlands.
- Compile waste regulation statistics and other input to Regional Pollution Prevention and Control issues statement for publication.

## KEY STATISTICS

Area -	21,000 sq km
Population -	8.4 million
Length of fluvial main river -	3,254km
Length of EC designated fishery -	3,018km
Length of flood defences -	1,050km
Average rainfall -	773mm
No of abstraction licence inspections 95/96 -	2863
No of Category 1 & 2 pollution incidents 95/96 -	278
No of consented discharges in force 95/96 -	21,330
No of IPC applications received 95/96 -	70
No of premises using, storing or disposing of radioactive materials -	900
No of regulated sites and processes -	1467
No of waste licences in force -	1511
No of registered waste carriers -	13,000
No of inspections of waste licensed sites 95/96 -	22163
No of special waste movements monitored 95/96 -	139246
No of Areas of Outstanding Natural Beauty -	4
No of Sites of Special Scientific Interest -	720
No of planning applications processed 95/96 -	11293

## FURTHER INFORMATION

For information about this leaflet contact: Corporate Planning, Environment Agency - Midlands Region, Sapphire East, 550 Streetsbrook Road, Solihull B91 1QT; Telephone: 0121 711 2324.

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This could be :

- damage or danger to the natural environment
- pollution
- poaching
- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**

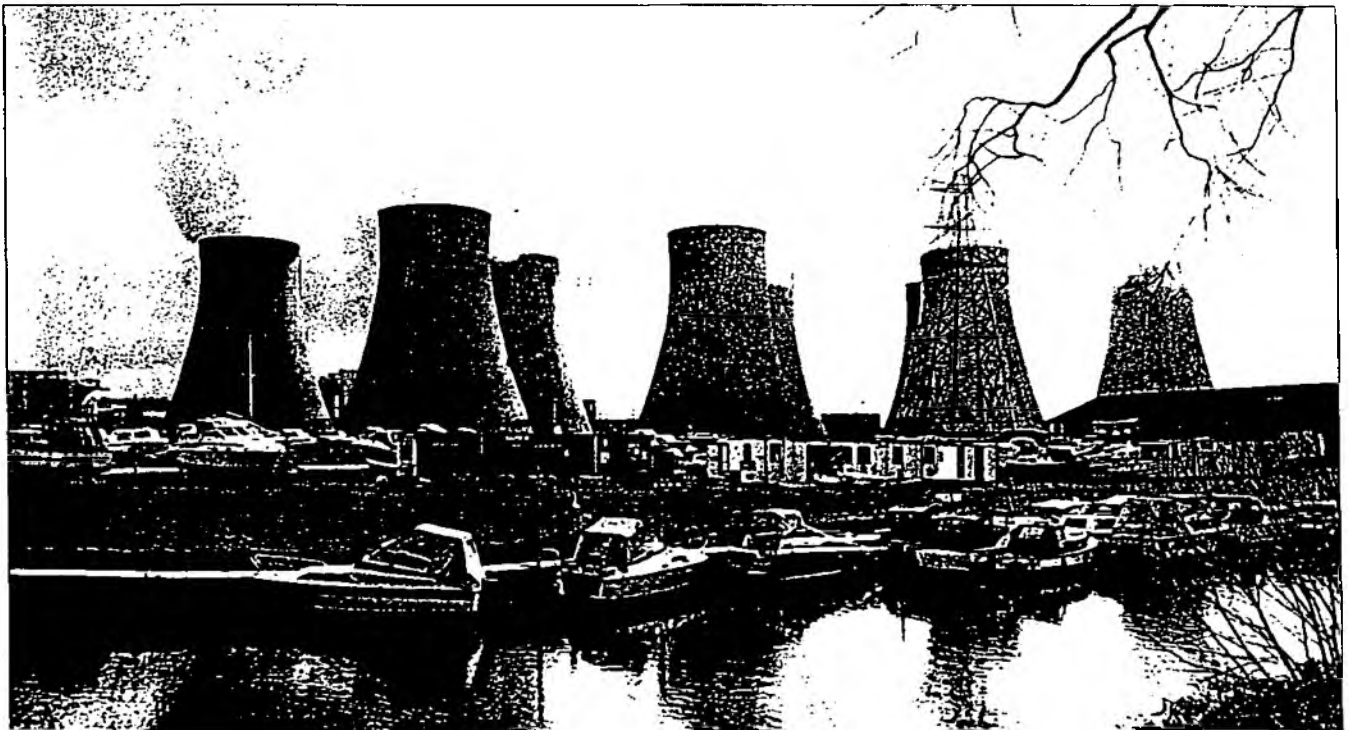


Photo: River Soar at Ratchiffe-on-Soar



ENVIRONMENT AGENCY

## REGIONAL PLAN SUMMARY ANGLIAN REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

" 1995 was the last year of separate operation of our three predecessors; HMIP, WRA and the NRA. My thanks go to all employees for maintaining an effective service delivery at a time of change.

The establishment of the Environment Agency on 1 April creates many opportunities to protect and enhance the environment as a whole through the integration of expertise and joint working. As the strongest Environment Agency in Europe, we will foster partnership and maintain open and readily accessible communications with our customers. The First Step Shop will be

important in portraying a friendly and professional Agency face whilst our internal culture develops through people development, team work and shared environmental goals. In this way we shall make our contribution to sustainable development"

GRAINGER DAVIES  
Regional General Manager

### ENVIRONMENTAL PROJECTS: 1996/7

The following are representative of projects from each Operational Area:-

- Lincshore - Place a further 4 million tonnes of beach nourishment material, working northwards from Ingoldmells.
- Lower Nene - Liaise with abstractors and moderate demand to achieve an equitable allocation of water resources in the catchment.
- Cambourne New Settlement - Ensure that flood defence, drainage and pollution prevention requirements are incorporated in the final design/ construction stages of the new village settlement.
- Tollesbury Creek Oysterages - Monitor water quality following improvements to an adjacent Anglian Water sewage treatment works and identify investment at other works if proved necessary.

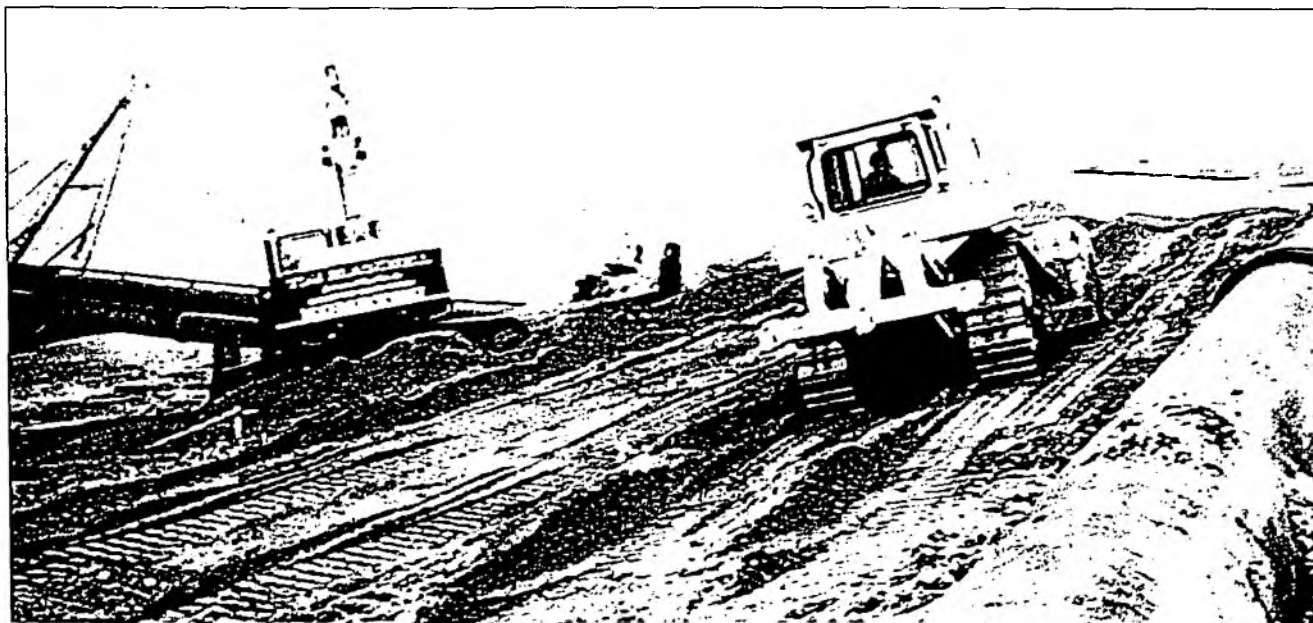


Photo: Lincshore Project

## TOP 5 TARGETS FOR EACH AREA: 1996/7

### NORTHERN

- A Continue collaborative project and restore a further 1.5km of shallow reed margin in Barton Clay Pit, adjacent to the R Humber.
- B Monitor water quality and ensure that Holbeach River achieves its River Ecosystem target following the commissioning of a new effluent treatment plant serving a food processing company.
- C Place a further 4 million tonnes of beach recharge material for the comprehensive Lincshire Beach Nourishment project.
- D Liaise with abstractors and moderate demand to achieve an equitable allocation of water resources in the Lower Nene Catchment.
- E Undertake an intensive monitoring programme adjacent to Helpston Landfill Site and take necessary measures to contain any contaminated groundwater releases.

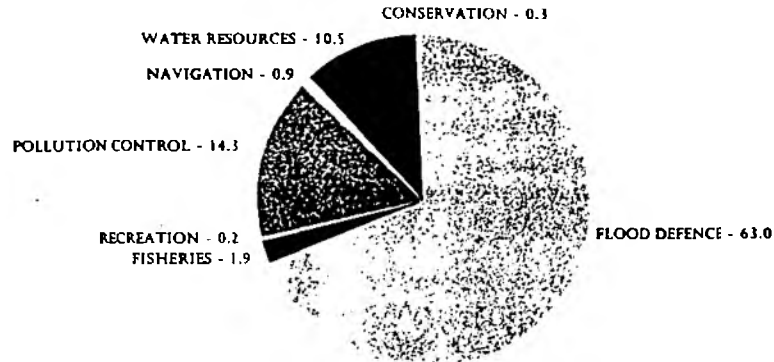
### CENTRAL

- F Undertake a collaborative Willow Tree management project alongside the River Great Ouse in the vicinity of Huntingdon.
- G Ely Ouse Erosion Protection Scheme - Year 1 (of 3) high priority works to reinstate the integrity of flood defences along selected river reaches and enhance the local environment.
- H Prepare a Memorandum of Understanding with relevant partners to ensure an effective response to potential oil pollution incidents in the tidal River Great Ouse and in the Wash.
- J Ensure that detailed flood defence, drainage and pollution prevention requirements are incorporated in the final design and construction stages of the Cambourne new settlement.
- K Identify River Lark 'in river needs' and flow regimes necessary to maintain habitat diversity and support salmonid communities.

### EASTERN

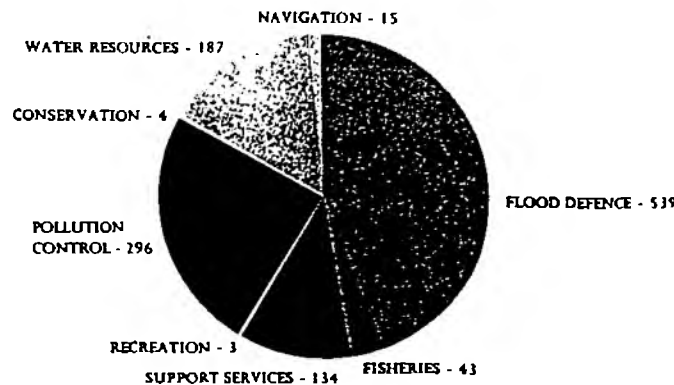
- L Broadland Flood Alleviation Scheme - undertake erosion protection works in the flood compartments of South Breydon and Burgh Norton.

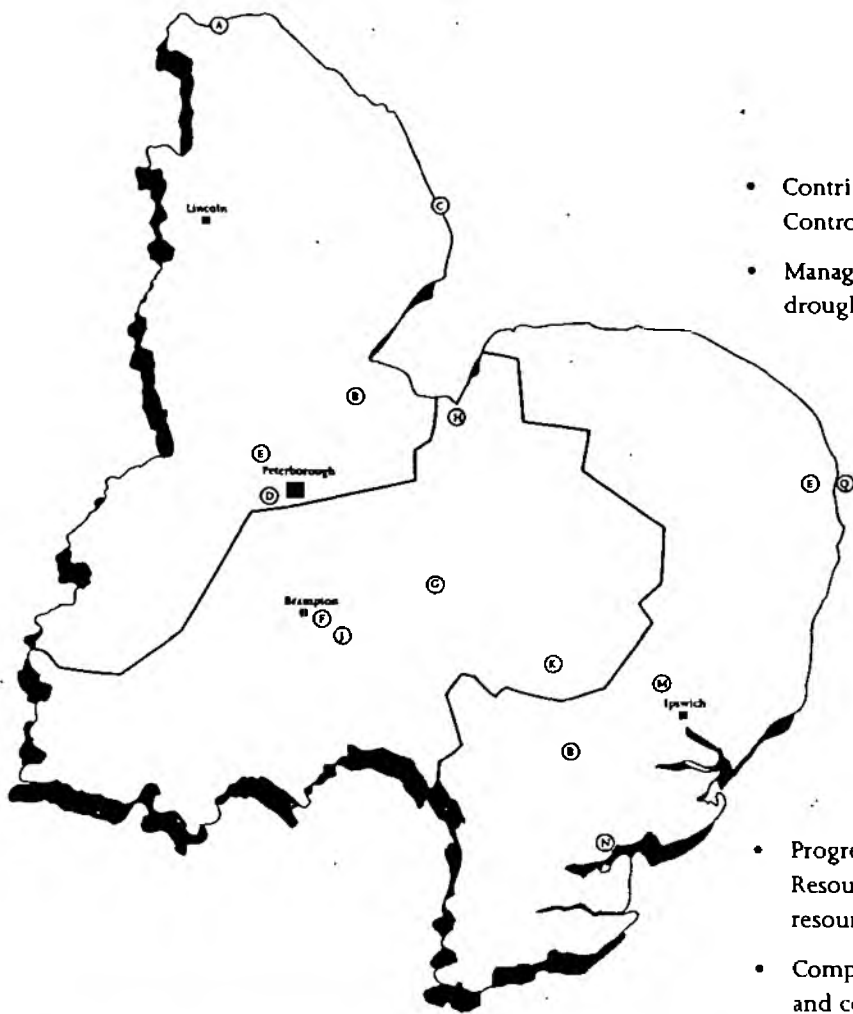
### TOTAL REGIONAL EXPENDITURE 1996/7 (£91.1M)



- M Licence Earl Stonham river support borehole and identify alternative sources to replace existing surface water abstractions in support of the River Deben Alleviation of Low Flow scheme.
- N Monitor water quality in Tollesbury Creek Oysterages following recent improvements to an adjacent Anglian Water Services STW and propose improvements to two further STWs if proved necessary.
- p Undertake a collaborative project to restore the Cornard Mere SSSI (R Stour Valley) by the provision of a supplementary water supply and habitat management works.
- Q Enforce the East Coast Fishery, Net Limitation Order to prevent over fishing and preserve stocks of sea trout.

### TOTAL REGIONAL EMPLOYEES 1996/7 (1221 full time equivalents)





- Contribute to National Integrated Pollution Control/Radioactive Substances Policy
- Manage multifunctional aspects of the developing drought situation.



### **OTHER REGIONAL PRIORITIES FOR THE ANGLIAN REGION IN 1996/7**

- Develop an 'open' customer liaison culture, via Area 'First Step Shops'.
- Establish new flood warning system and implement procedures from September 1996.
- Enhance working relationships with Local Authorities.
- Increased commitment to Local Environment Agency Plans, incorporating air and land pollution issues.
- Promote initiatives on Waste Minimisation & Sustainable Development.
- Monitor Water Companies investment to maintain/improve water quality and continue planning for AMP3.
- Continue pollution prevention visits to high risk sites and provide a prompt response to emergency pollution incidents.
- Implement a consistent Regional approach to Waste Regulation licensing standards and procedures.
- Regulate industry by a programme of inspections of their industrial processes and operations.
- Progress strategic issues contained in the Water Resources Strategy, including additional water resources for Essex.
- Complete the construction of abstraction boreholes and commence monitoring at 51 wetland sites.
- Further reduce the overall age profile of Abstraction licences in hand.
- Deliver the Flood Defence Capital Programme, including the continuation of the Lincshire Recharge Project; Happisburgh to Winterton works and Broadland erosion protection measures.
- Manage and develop the Shoreline Management National Advisory Centre and the Coastal/Estuary R&D programme.
- Implement Flood Defence Standards of Service: Phase 2.
- Prepare action plan for the transfer of responsibility of Enforcement Authority Powers under the 1975 Reservoir Act.
- Implement and ensure effectiveness of the Regional Fisheries Strategy.
- Produce a Regional Policy Guidelines Manual for Recreation.
- Further promote partnership working (collaborative funding of recreation and conservation projects) and review availability of lottery funding.
- Further identify implications of Habitats Directive on the Agency's activities in/adjacent to Special Protection Areas and Special Areas of Conservation.
- Implement the National Boat Safety Scheme from January 1997.



## KEY STATISTICS

Area -	27,000 Sq.km
Population -	5.7 million
Area of Land below Sea Level -	4,700 Sq.km
Length of Tidal, Estuary and Sea Defences -	1,507 km
Length of Fluvial Main River -	5,844 km
Designated Bathing Waters -	34
Number of Discharge Consents 1995/96 -	20,100
Category 1 & 2 Pollution Incidents 1995/96 -	320
Licensed Waste Facilities -	913
Registered Waste Carriers -	10,233
Waste Generated & Disposed of in the Region -	25.6 million tonnes
Nuclear Sites -	3
Industrial Processes Regulated -	2,000
Sites using Radioactive Materials -	1,400
Average Rainfall -	595mm
Abstraction / Impoundment Licences -	10,600
Abstraction Licence Inspections 1995/96 -	4,178
Length of Classified (Surveyed) Fisheries -	3,500km
Length of Navigable Rivers -	471km
Navigation licences issued 1995/96 -	5,900
Planning Applications Processed 1995/96 -	11,955

## FURTHER INFORMATION

For information about this leaflet contact: Business Planning, Environment Agency - Anglian Region, Kingfisher House, Goldhay Way, Orton Goldhay, Peterborough, PE2 5ZR; Telephone 01733 371811.

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- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**



Photo: Thetford



## ENVIRONMENT AGENCY

# REGIONAL PLAN SUMMARY THAMES REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

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The Agency is tasked with making a real difference to the environment that will last through the next generations. We will do this by building on the successful partnerships established by our predecessors and focusing resources in our three Areas. A new approach will be the setting up of Area Environment Groups, which will be for progressing and developing Local Environment Agency Plans and our involvement with Local

Agenda 21 environmental initiatives.

Organisational structures will be reviewed. In particular, Waste Regulation teams will be re-aligned to match Region/Area boundaries and to provide a consistent service across the Region, initially by reorganising the Bucks CC inheritance with Anglian Region.

My aim is to provide an efficient and responsive local service through the Area Offices. Our customers will be looking for an integrated approach: I am sure we will meet the challenge.

Dr. Chris Harpley  
Regional General Manager.

### PRIORITY ENVIRONMENTAL PROJECTS THAMES REGION FOR 1996/7

- Realisation of improvements in air quality, provision for disposal of waste products and consequent quality of effluent discharged to the River Thames from Didcot Power Station, through working in partnership with National Power.
- Contribution to an environmental strategy and enhancements which will underpin economic and social regeneration in the Lower Lee catchment area.
- Restoration of the River Thame at Aylesbury, through the planning process and then, in partnership with developers, enhancement of the environment, including re-alignment of water courses.
- Introduction of Environment Agency led procedures for disseminating flood warnings from September 1996.
- Initiation of a Waste Minimisation programme, encompassing all forms of resource waste.

Supporting projects include:

- Education initiatives, explaining the role and work of the Environment Agency.
  - for schools through education packs (for primary age children) and pollution prevention videos (for all ages)
  - development of display material
- Implementation of an Internal Charter (a mirror image of our Customer Charter) to enhance relations within the Agency, to improve our service to customers.



Didcot Power Station

## TOP 5 TARGETS FOR EACH AREA 1996/7

### NORTH EAST

- A: To reduce the risk of flooding through achievement of the Area Flood Defence capital programme: a major project being the Lower Colne improvement scheme.
- B: To safeguard against any possible environmental impact arising from the proposed Heathrow Airport Terminal 5 development.
- C: To complete asbestos decontamination and subsequent landscaping at Waltham Abbey on the River Lee.
- D: To focus on IPC sites, especially in Barking and Dagenham, and develop methodologies for securing improvements aimed at minimisation of raw material usage and waste products and reduction in the risk of pollution incidents.
- E: To carry out a programme of environmental enhancement schemes eg. restoration of Frays Farm flood meadow SSSI.

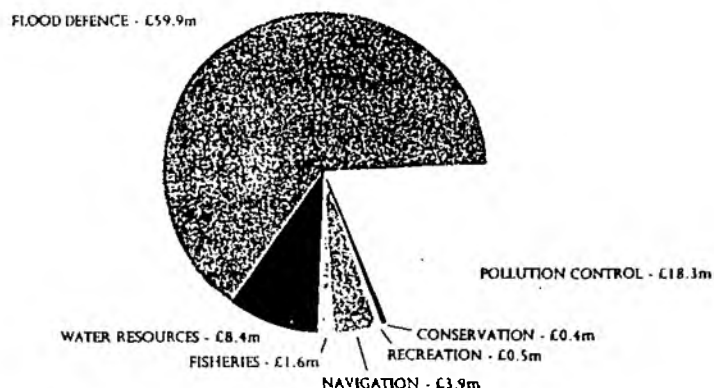
### SOUTH EAST

- F: To provide greater protection to Tideway water quality by developing installation sites for the injection of hydrogen peroxide to improve dissolved oxygen levels in the Tidal River Thames.
- G: To complete the outline design and receive planning permission for the River Quaggy Flood Alleviation Scheme.
- H: To safeguard the Tidal Thames foreshore from development by promoting the policy against 'encroachment' and by raising awareness of the issue with developers and the public.
- I: To play a full part in ensuring the success of the proposed Millennium Festival project at the Port Greenwich site through regulation and use of the opportunity to maximise environmental enhancement and educate others.
- J: To enhance the environment by improving degraded river habitats at 12 specific sites, through the collaboration of Fisheries, Conservation and Flood Defence functions.

### MAIDENHEAD

- K: To ensure that construction of the Maidenhead, Windsor and Eton Flood Alleviation Scheme achieves the £12 million level of expenditure scheduled for 1996/7 as part of the Region's long-term Flood Defence financial plan.

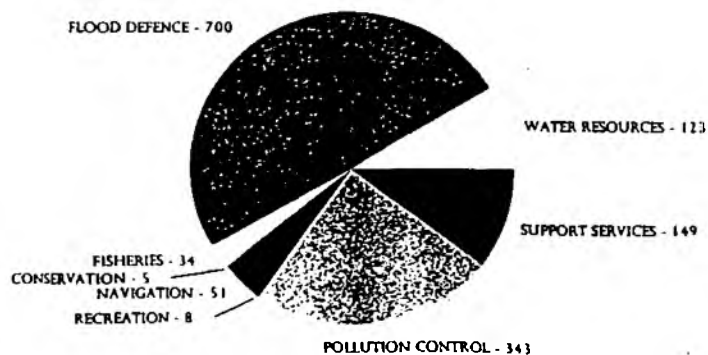
### TOTAL REGIONAL EXPENDITURE 1996/7 (£93.0million)

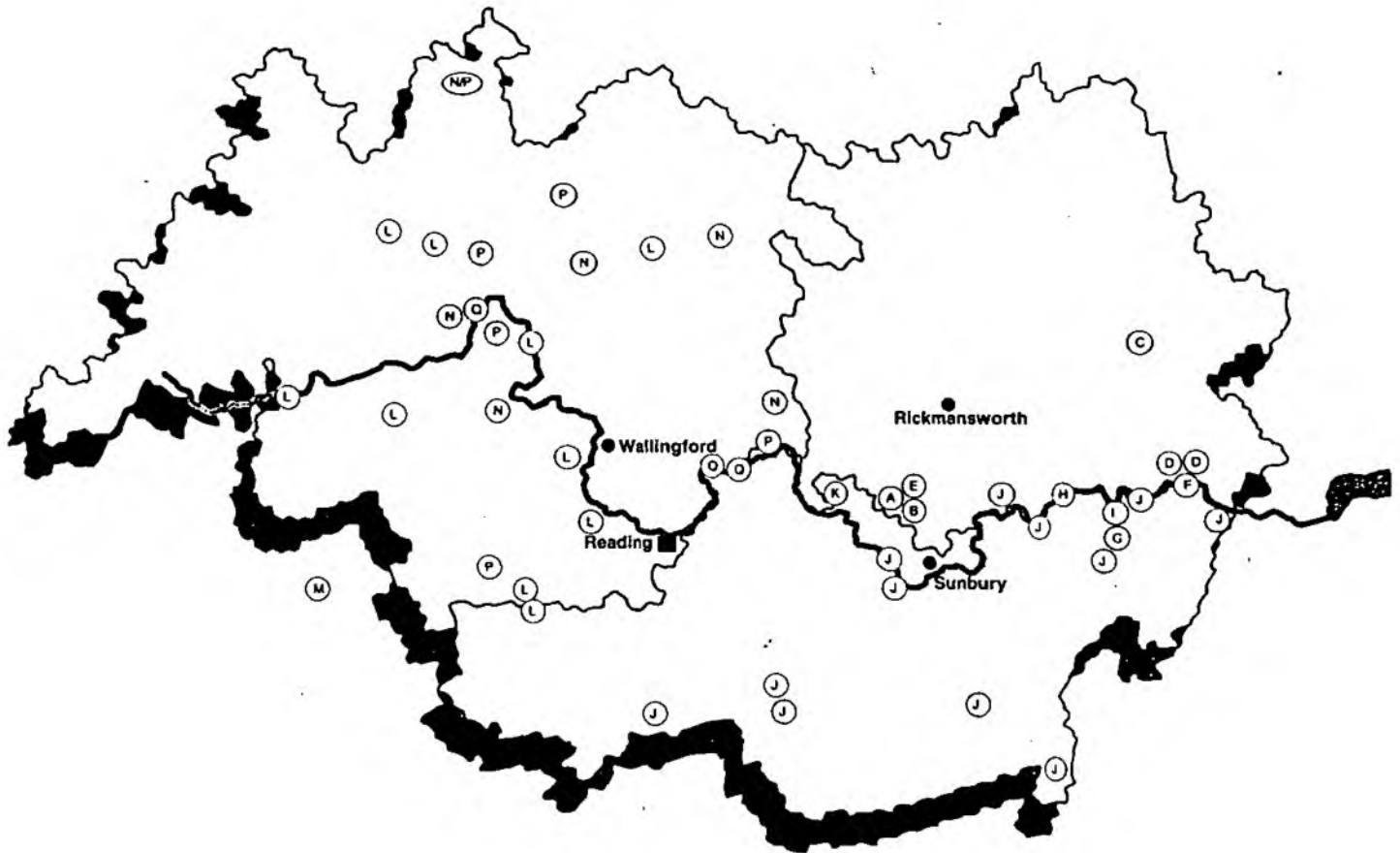


### WEST

- L: To enhance the environment by designing and constructing schemes at 10 specific sites, through the collaboration of Fisheries, Conservation and Flood Defence functions.
- M: To contribute to a satisfactory outcome of the Axford abstraction licence Local Public Inquiry.
- N: To carry out a programme of licence compliance monitoring of waste management sites, to bring about improved management and/or regulation, with targeted action for 6 sites.
- P: To reduce the number of pollution incidents through prevention activity, especially focused on 6 towns.
- Q: To reduce the risk of flooding on 1450km of main river through the implementation of programmes of watercourse and structure maintenance including refurbishment of River Thames buck weirs at Eynsham, Hurley and Hambleden.

### TOTAL EMPLOYEES 1996/7 (1413 full time equivalents)





## OTHER REGIONAL PRIORITIES FOR 1996/7

- To agree appropriate databases for site-related aspects of Waste Regulation work.
- To implement the Special Waste Regulations 1996, operative from 1st September.
- To complete the transfer of responsibility and day to day waste regulatory arrangements for District Council areas within the regional boundary but currently resourced by other regions.
- To complete the review of the current arrangements for core Waste Regulation work in Berkshire, currently undertaken by an external contract with the Babcie Group.
- To reduce the visible environmental damage caused by litter, by investigating how the Environment Agency can contribute to existing statutory programmes run by other bodies.
- To complete the transition from the inherited HMIP structure for IPC work to a customer facing one underpinned by National and Regional Support.
- To continue to develop the Thames Salmon rehabilitation programme, including the building of 4 fish passes on the River Kennet.
- To implement the National Boat Safety Scheme, including the introduction of certificate requirements.
- To bring together staff in main Area offices: all West Area staff to be based at Wallingford by December 1996 and a site to be found for occupation by North East Area staff from April 1997.
- To ensure that all income, due to the Agency, for collection in the Region is gathered punctually.
- To assist in the successful roll out to other regions of the Personnel and Payroll system currently under pilot in the Thames Region.

## KEY STATISTICS

Area	13,000sq.km
Population	12.0 million
Length of fluvial main river	5,295km
Length of tidal estuary and sea defences	193km
Length of monitored fisheries	3,195km
Length of River Thames navigation	217km
Number of EC designated bathing waters	3
Average annual rainfall	688mm
Average daily authorised water abstraction	8,853 Ml/day
Number of discharge consents	11,998
Number of abstraction licence inspections (1995/96)	1,447
Number of category 1&2 pollution incidents (1995/996)	165
Number of planning applications processed (1995/96)	4,313
Number of regulated sites and processes (March 1996)	1,646
Number of Waste licences in force (March 1996)	815
Number of registered carriers (March 1996)	17,380
Number of licenced water abstractions (March 1996)	3,078

## FURTHER INFORMATION

For information about this leaflet contact: Business Planning, Environment Agency - Thames Region, Kings Meadow House, Kings Meadow Road, Reading RG1 8DQ. Telephone 01734 535000.

Further details about the Environment Agency as a whole will be contained in the National Corporate Plan. This will be published by: Corporate Planning, Environment Agency - Head Office, Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12, 4UD. Telephone 01454 624400.

## EMERGENCY SERVICE

IF YOU spot an environmental problem call the Environment Agency's free 24-hour emergency hotline on

**0800 80 70 60**

This could be :

- damage or danger to the natural environment
- pollution
- poaching
- risks to wildlife
- fish in distress
- illegal dumping
- illegal dumping of hazardous waste
- flooding

**DON'T IGNORE IT.....REPORT IT!**



River Thames near Marlow



ENVIRONMENT AGENCY

## REGIONAL PLAN SUMMARY SOUTHERN REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

In the first year of the Environment Agency, Southern Region will be addressing major organisational priorities, integrating all the functions of the Agency and progressing recruitment and accommodation.

It is crucial that in a short period of time, all of us learn to understand the wider remit of the organisation and its new duties. This will help us to meet the challenges of sustainable development, balancing the needs of the environment and the economy, and allow us to meet our commitment to our customers through the "first step shop".

This year will also see the formation of the new "Regional Environmental Protection Advisory Committee" (REPAC), who will provide a regular advisory forum between our officers and customers. At an Area level, Area Environmental Groups (AEGs) will be formed to create direct local

contact and focus on developing and implementing agreed plans covering local issues.

At the same time as addressing these major organisational issues, the Agency will strive to deliver its services to at least the standards set out in our "Customer Charter", and will seek to build on the successes of its predecessor bodies.

Southern Region will also be seeking ways to increase the efficiency of the way we operate, whether it be through co-location of our Area staff or by maximising income, allowing us to make the best use of our resources of £46m and over 800 staff in 96/97.

Kevin Whiteman  
Regional General Manager



Photo: Working towards alleviating low flows on the River Darent

### PRIORITY ENVIRONMENTAL PROJECTS IN SOUTHERN REGION FOR 1996/7

- Approval of preferred option for Chichester Flood Relief Scheme.
- Secure delivery of Pennington STW and consenting of the IoW sewage scheme.
- Complete Bulverhythe Sea Defence Scheme.
- Launch and implement the Salmon Management Action Plan for Hampshire.
- Continue work towards implementation of Alleviated Low Flows (ALFs) for Rivers Darent, Little Stour and Dour.
- Monitor and make appropriate responses to Channel Tunnel Rail Link (CTRL) and Thames Gateway developments.

HANTS AND IOW

1. Complete public consultation for the Hermitage Stream project and determine the way forward
2. Extend the River Meon/Hamble ALF
3. Prepare the Local Environment Agency Plan (LEAP) for the New Forest
4. Improve landfill gas monitoring at landfill sites including Gun Site, Netley
5. Agree design of Sulphur Recovery Unit (SRU) upgrade with Esso Petroleum Company
6. Enhance monitoring and control of noise from the Blackbushe metal recycling

SUSSEX

7. Conduct detailed survey on airborne emissions at Holmbush Farm landfill and Pebsham landfill
8. Produce Water Level Management Plans (WLMPs) for Amberley Wildbrooks
9. Oversee installation of solvent recovery system on the culvanate process at Smith Kline Beecham and reduce Acetone releases to air from 300 tonnes to 1 tonne pa
10. Produce a landfill gas emergency plan and review and rationalise the East and West Sussex chemical emergency plans
11. Progress Swanbourne Lake ALF

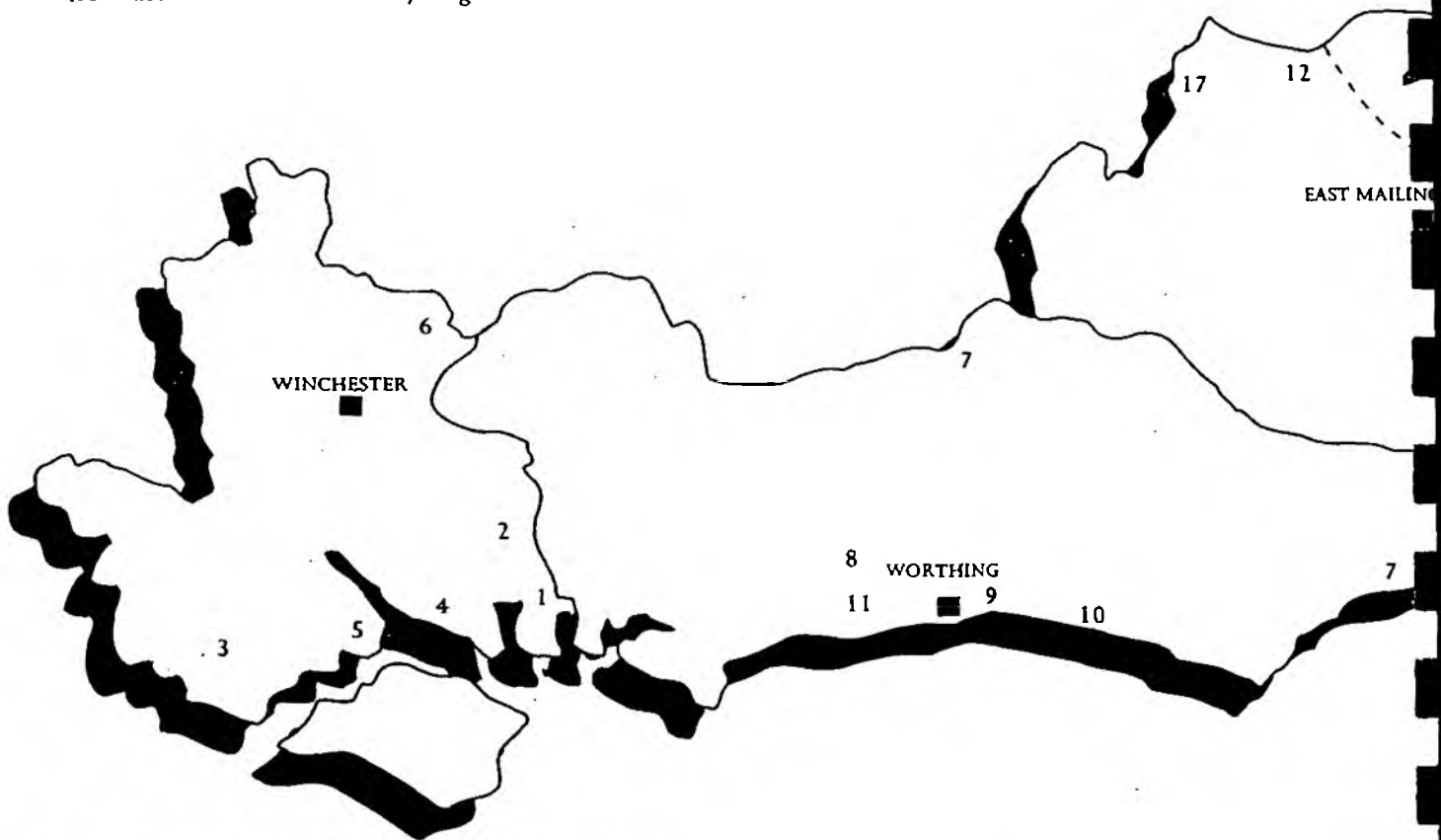


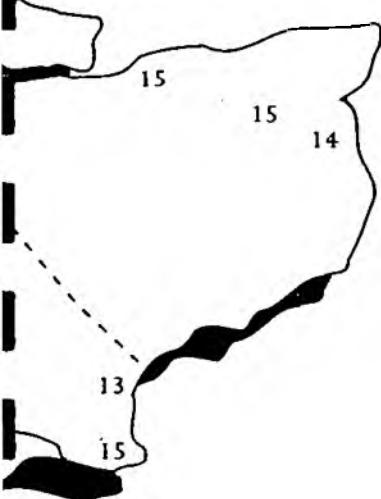
Photo: ESSO Petroleum Company - Fawley, Hampshire



Photo: Waste emergency planning - Sussex

## AGENCY

1. Reduce the release of Electro Static Precipitator (ESP) dust to land by 50,000 tonnes pa by overseeing implementation of Pulverised Fuel Ash
2. Grand Redoubt Tidal Outfall reconstruction
3. Investigate EC Bathing Beach non compliance at Sandwich Bay and agree/implement improvement
4. Produce WLMPs for South Thames, Dungeness, Seasalter, and Stodmarsh
5. Provide input to the Medway and Swale Waste Minimisation Project
6. Investigate groundwater levels in the Cray catchment



Channel Tunnel Rail Link



## OTHER REGIONAL PRIORITIES FOR SOUTHERN REGION IN 1996/7

- Establish Sustainable Development Working Group
- Produce pilot Local Environment Agency Plan (LEAP) for North Kent
- Ensure environmental effects of drought kept to a minimum
- Ensure smooth transition of flood warning responsibility to the Agency
- Identify suitable Area office accommodation and manage moves
- Establish REPAC and AEGs
- Develop "Region's First Step Shop" approach
- Conduct an emergency exercise in Region
- Ensure recruitment of staff
- Identify and ensure appropriate training of staff
- Promote Agency's Citizen's Charter and meet standards of service
- Promote Agency's internal environmental policy through its "Green Circles"



Photo: The need for waste minimisation, Kent



## KEY STATISTICS

Area -	10,979 sqkm
Population -	4.6m
Length of Coastline (inc. main tidal waters)-	1,124km
Length of Fluvial Main River -	2,648km
Length of Fisheries -	703km
Length of Navigable Rivers -	89km
Number of EC Bathing Waters (95/96) -	67
Average Rainfall (95/96) -	606mm
Number of Discharge Consents (95/96) -	12,137
Number of Abstraction Licence Inspections (95/96) -	1,615
Number of Category 1 & 2 Pollution Incidents (95/96) -	81
Number of Planning Applications Processed (95/96) -	3,862
Number of Licensed Nuclear Sites -	2
Number of RAS3 sites -	100
Number of RAS4 sites -	300
Number of Registered Waste Carriers -	5688
Number of Waste Brokers Registered -	25
Number of Waste Licenses in Force -	550

## FURTHER INFORMATION

For information about this leaflet contact:  
Regional Planning, Environment Agency, Southern  
Region, Guildhouse House, Chatsworth Road,  
Worthing BN11 1LD. Tel: 01903 832000

Further details about the Environment Agency as a whole  
will be contained in the National Corporate Plan, this  
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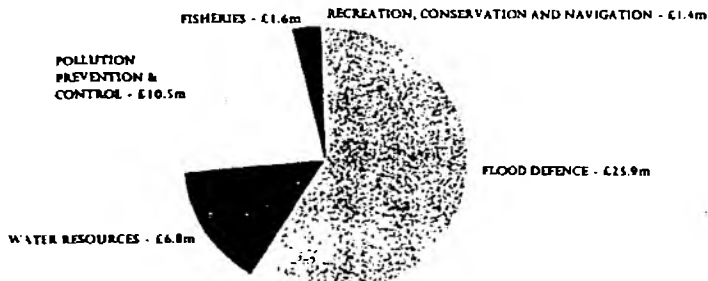
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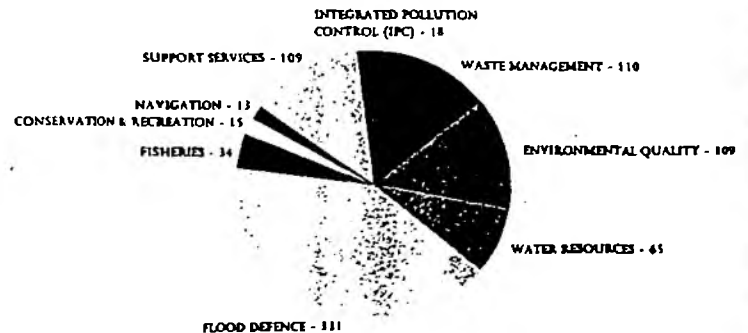
**DON'T IGNORE IT.....REPORT IT!**

## RESOURCES

TOTAL REGIONAL EXPENDITURE 1996/7 (£46.2M)



TOTAL REGIONAL EMPLOYEES 1996/7 (804 FTE)





ENVIRONMENT AGENCY

## REGIONAL PLAN SUMMARY SOUTH WEST REGION 1996/7

### MAKING A DIFFERENCE THAT LASTS

Our main priority in 1996/7 will be to consolidate and start to integrate the functions of the Environment Agency. A key first step will be to locate staff from different functions together. This will be done by implementing office accommodation plans in each of our area and regional offices. Multi functional teams will then be better able to work together, seek best practice and make real improvements.

The Environment Agency will focus on our customers, as well as the environment. Our Region is carrying out a pilot Customer Service Centre project, aimed at giving customers a "first step shop" service. We are also setting up Area Environment Groups to encourage consultation and partnership at local level.

Whilst establishing the Agency within the Region, we will continue to deliver the environmental improvement programmes carried over from the

predecessor bodies. Existing standards for operational work including licensing and enforcement activity will be met or exceeded during this year. Environmental projects, which will be identified through the Local Environment Agency Plan process, will be implemented to deliver 'on the ground' improvements.

This leaflet looks at the Region's priorities for the year ahead. It highlights a number of 'on the ground' targets at area and regional level we are tackling in addition to our routine work in regulating the environment.

*Katharine Bryan*

Katharine Bryan  
Regional General Manager



### PRIORITIES FOR THE SOUTH WEST IN 1996/7

These are some of the challenges we face during 1996/7, taken from the targets described inside.

- Drought management work for public water supplies including developing resource management strategies for strategic reservoirs.
- Consolidate and rationalise the provision of waste services across the region, in readiness for supporting the national waste strategy.
- Start disseminating flood warnings direct to the public.
- Continue temporary treatment at the Wheal Jane abandoned mine to prevent pollution of Fal Estuary.
- Implement salmon management strategy.
- Deliver £10.5m flood defence capital programme.

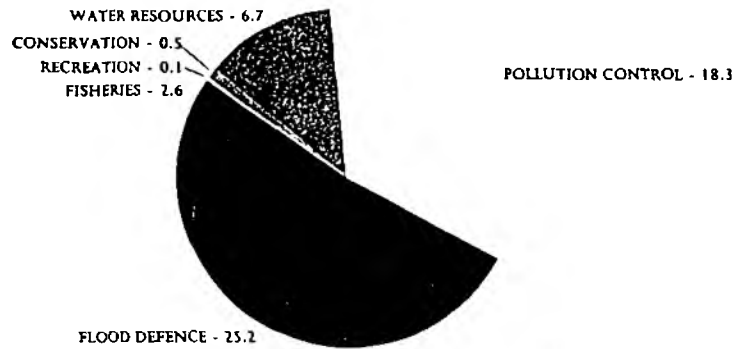
Photo: Wheal Jane lime dosing treatment plant.

## TOP 5 TARGETS FOR EACH AREA 1996/7

### CORNWALL

- A Identify and catalogue metals inputs from abandoned mines and associated lands affecting water quality in the River Tamar.
- B Complete and commission the flood alleviation scheme at Polperro.
- C Undertake a risk assessment of Restormel public water supply intake on the River Fowey.
- D Continue River Tavy Alleviation of Low Flows study and progress actions.
- E Complete a Water Level Management Plan and environmental studies for Loe Pool.

### TOTAL REGIONAL EXPENDITURE 1996/97 (£53.4M)



### DEVON

- F Pursue improvements to the effluent disposal systems at 2 companies on Common Lake Stream, a tributary of the River Torridge.
- G Carry out risk assessment and implement remedial action at industrial sites upstream of supply intakes on the rivers Dart and Exe in association with South West Water Services Ltd.
- H Promote Devon waste issues with developers, contractors, solicitors etc with particular regard to proposed development near landfill sites.
- I Construct walkways, steps and vehicular access at East Budleigh flood defence scheme following Safety Risk Assessment project.
- J Rehabilitation fish stocking in the rivers Axe and Otter.

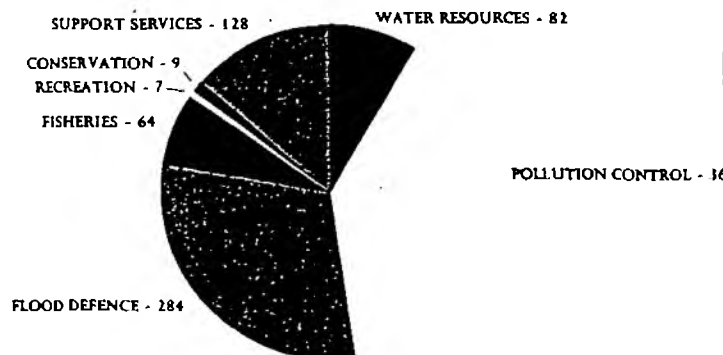
### SOUTH WESSEX

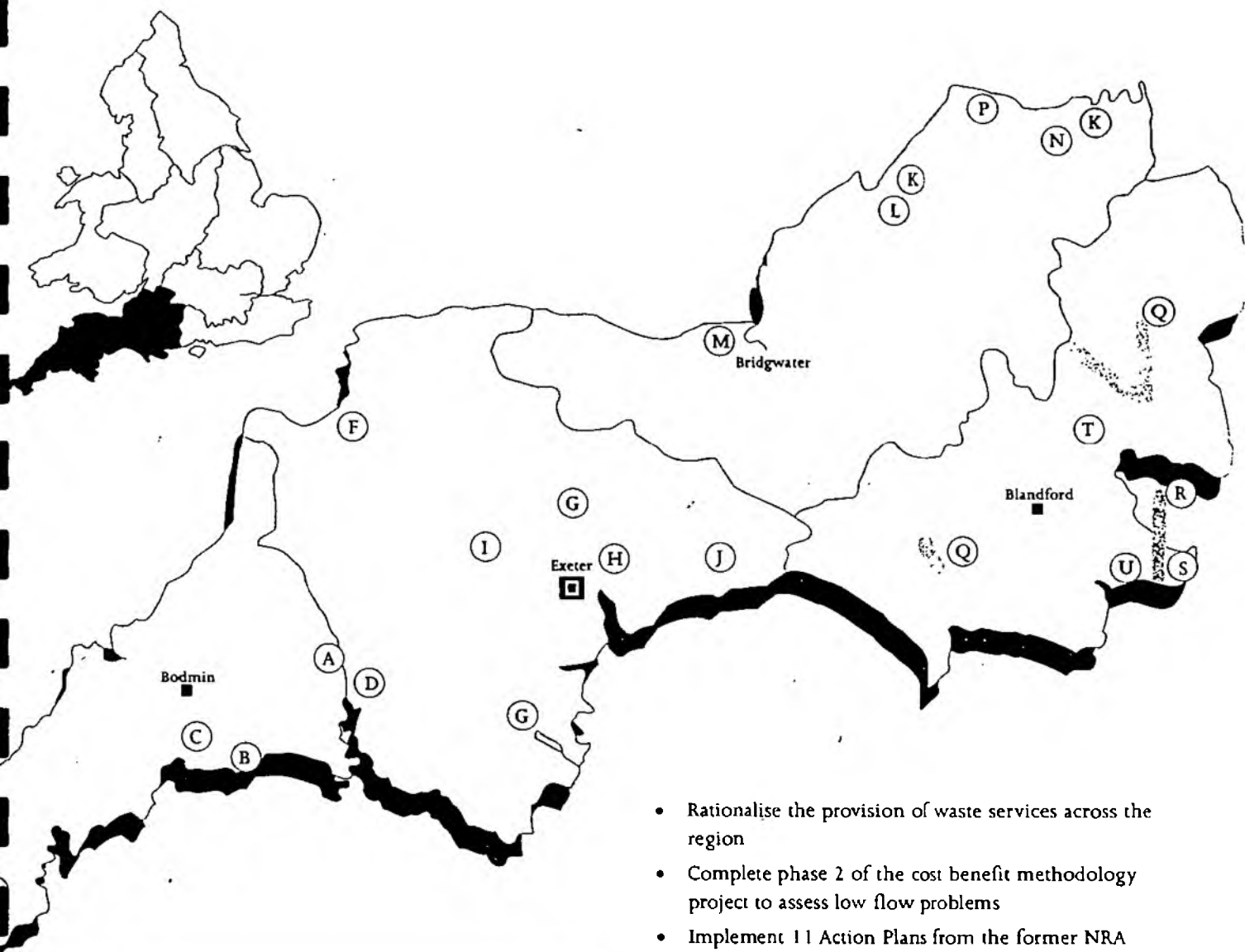
- Q Develop soil erosion control strategy based on application of best management practices in the Upper Piddle and Upper Avon.
- R Progress phase 2 of the Hampshire Avon Water Level Management Plan.
- S Complete Stage 2 of the tidal defence scheme on the Lower Avon at Christchurch.
- T Design and construct the River Ebble gauging station.
- U Hold seminar for small / medium enterprises to promote waste minimisation in industry.

### NORTH WESSEX

- K Undertake post Drainage Area Plan scheme surveys to confirm reduction in impact on water quality from identified sewerage inadequacies for 5 combined sewer outfalls in Malmesbury and Bristol.
- L Negotiate with Wessex Water and Bristol City Council to provide resources to continue to identify polluting discharges from 5 surface water sewer outfalls into Bristol's urban watercourses.
- M Fulfil commitments made on nuclear privatisation to review radioactive waste disposal authorisations for Hinkley Point B.
- N Agree and publicise strategy for alleviating Malmesbury Avon low flow problem and carry out field trials and computer simulation.
- P Review flow management practices for fish farms on the River Severn Lower Reaches.

### TOTAL REGIONAL EMPLOYEES 1996/97 (943 full time equivalents)





**OTHER REGIONAL PRIORITIES FOR THE SOUTH WEST REGION IN 1996/7**

- Implement pilot Customer Service Centres project
- Start disseminating flood warnings direct to the public
- Set up Regional Environment Protection Advisory Committee and Area Environment Groups to encourage local consultation and partnership
- Continue temporary treatment at the Wheal Jane abandoned mine to prevent pollution of Fal Estuary
- Continue with the MAFF programme of Water Level Management Plans
- Report the results of the 1995 GQA river water quality survey
- Collect necessary data and support the National Waste Strategy
- Rationalise the provision of waste services across the region
- Complete phase 2 of the cost benefit methodology project to assess low flow problems
- Implement 11 Action Plans from the former NRA Catchment Management Plans
- Negotiate resource management strategies for Colliford and Roadford reservoirs with South West Water Plc
- Implement salmon management strategy
- Publish 11 Local Environment Agency Consultation Plans and produce 5 Local Environment Agency Action Plans
- Deliver £10.5m Flood Defence Capital Programme
- Promote solutions to and continue investigation on priority river low flow problems
- Review and harmonise a region-wide public register
- Complete the IPC authorisations of 'Other Industry' sectors
- Implement recommendations from Safety Risk assessment project on operational sites
- Develop approach and policies on biodiversity

## KEY STATISTICS

Area -	20,945 sq kms
Average Rainfall -	1,014 mm
Population -	4.0 million
Number of discharge consents -	16,200
Length of tidal estuary and sea defences -	408 kms
Length of fluvial main river -	4,092 kms
Number of abstraction licences -	11,700
Number of abstraction licence inspections 94/95 -	2,108
Length of coastline -	944 kms
Number of category 1 & 2 pollution incidents 94/95 -	500
Number of EC bathing waters -	181
Number of planning applications processed 94/95 -	22,228
Number of fishing licences issued 94/95 -	70,000
Number of waste management sites -	786
Number of authorised major industrial processes -	79
Number of nuclear sites -	5 major and 2 minor
Number of sites producing radioactive waste for disposal -	56
Number of carriers of waste -	10,000
Number of waste licensing registered exemptions -	18,000
Number of sites of Special Scientific Interest -	930

## FURTHER INFORMATION

For information about this leaflet contact : Corporate Planning, Environment Agency, South West Region, Manley House, Kestrel Way, Exeter EX2 7LQ; Telephone 01392 444000.

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Photo: Avonmouth, Bristol