

COUNTRYSIDE
RECREATION
NETWORK

*Countryside Recreation Research:
Work Completed by the CRN Agencies*

1993



COUNTRYSIDE RECREATION NETWORK

Countryside Recreation Research:
Work Completed by the CRN Agencies

1993

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CRN Manager

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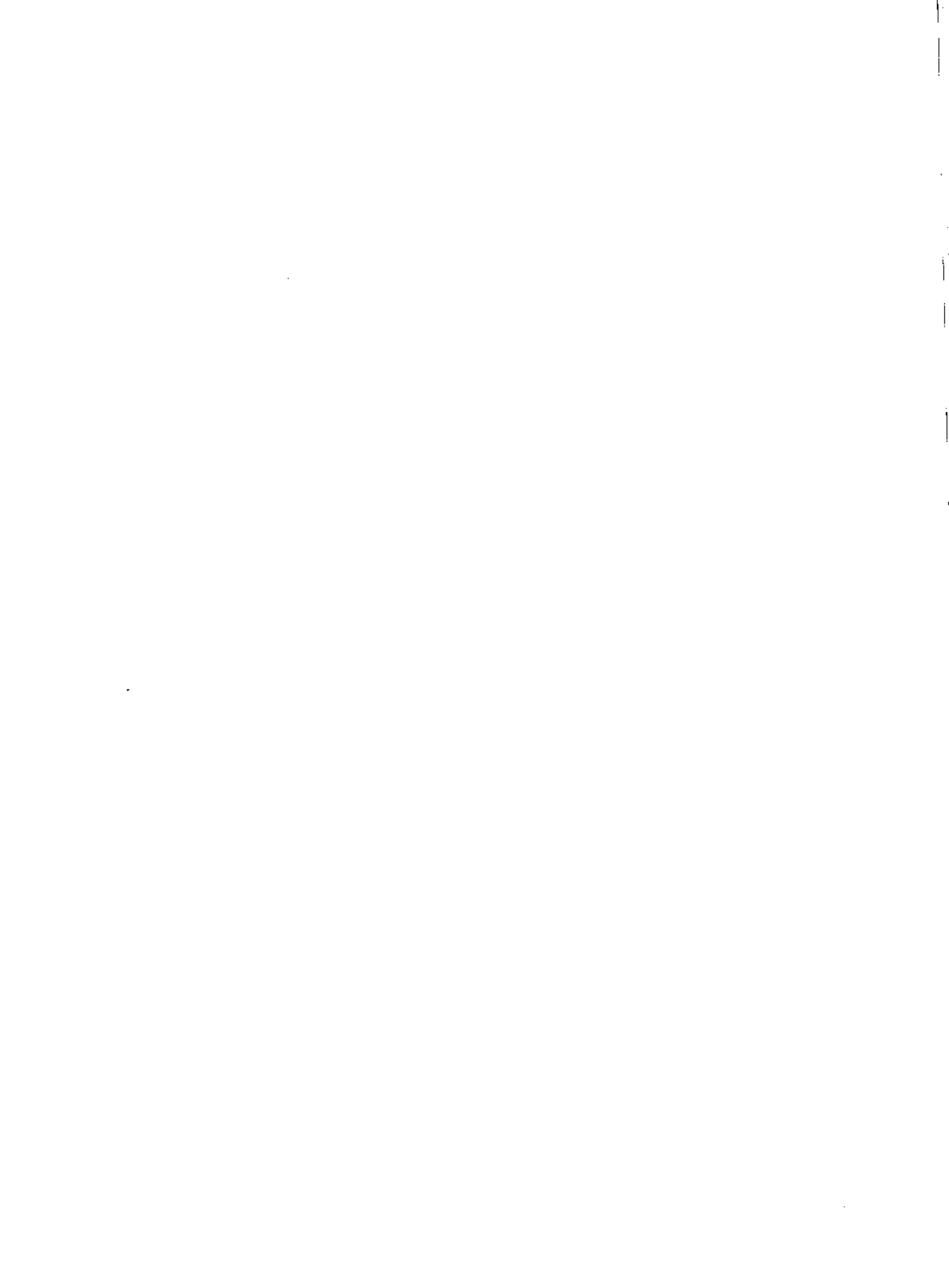
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March 1994



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PREFACE

Countrywide Recreation Network

CRN is a UK-wide network of the agencies concerned with countryside and related recreation matters—exchanging and spreading information to develop best policy and practice in countryside recreation. Formed in January 1993, CRN is the successor to CRRAG (Countrywide Recreation Research Advisory Group). Membership is drawn from the national statutory organisations, the local authority associations and the research councils. The Network served extends to include the clients and customers of the member agencies.

CRN Aims

The Network aims to assist the working of the agencies concerned with countryside and related recreation research by

1. identifying and helping to meet the needs of CRN members for advice, information and research;
2. promoting co-operation between member agencies in formulating and executing research on countryside and related recreation issues;
3. encouraging and assisting the dissemination of the results of countryside research and best practice amongst the agencies and clients of the agencies.

CRN Membership

The Network spans the UK. Members are drawn from agencies who have an interest in countryside and related recreation. This interest might focus on research, policy planning, implementation, management, training or monitoring. There are three kinds of membership: Associates, Member Agencies, and Sponsors and contributors.

* Associates are individuals and organisations, from the public, private and voluntary sectors, who are interested in the activities of CRN. They are welcome to take part in all CRN activities, except agency meetings. Membership is free and associates are kept informed of CRN's activities.

* Member Agencies are drawn from a wide circle of interested bodies—government departments, local authority associations, statutory service providers and a variety of regulatory, research and advisory bodies. There are currently 22 member agencies, representatives from whom attend regular agency meetings to discuss matters of common interest.

* The Sponsors and contributors are Agencies which provide the necessary support and funding. Current Sponsors include Countryside Commission, Countryside Council for Wales, Environment Service (DoE, NI), English Nature, Forestry Commission, Scottish Natural Heritage and the Sports Council. The Chairman and Vice-Chairman of CRN are drawn from these agencies.



CRN Activities

At the **Agency Meetings** which are held three or four times a year, countryside recreation research programmes are discussed, matters concerning policy and practice as well as the programme of the Network's activities.

Workshops generally take the form of one day events concentrating on a topical issue of common interest. The focus is upon the interface between research, experiment and practice. Past workshops have included Upland Footpath Management, Landscape Assessment, Cycling in the Countryside and Surveying People.

Countryside Recreation Conference. An annual two day Conference held in September for 150–200 delegates on a topical theme brings together researchers, policy-makers, managers and practitioners. The proceedings are published. Recent Conferences have considered: access to open land, people, trees and woods, and young people, adventure and the countryside.

Newsletter. CRN publishes a newsletter three times a year (February, June and October) bringing together material from member agencies to a readership with a common interest, thereby extending the Network.

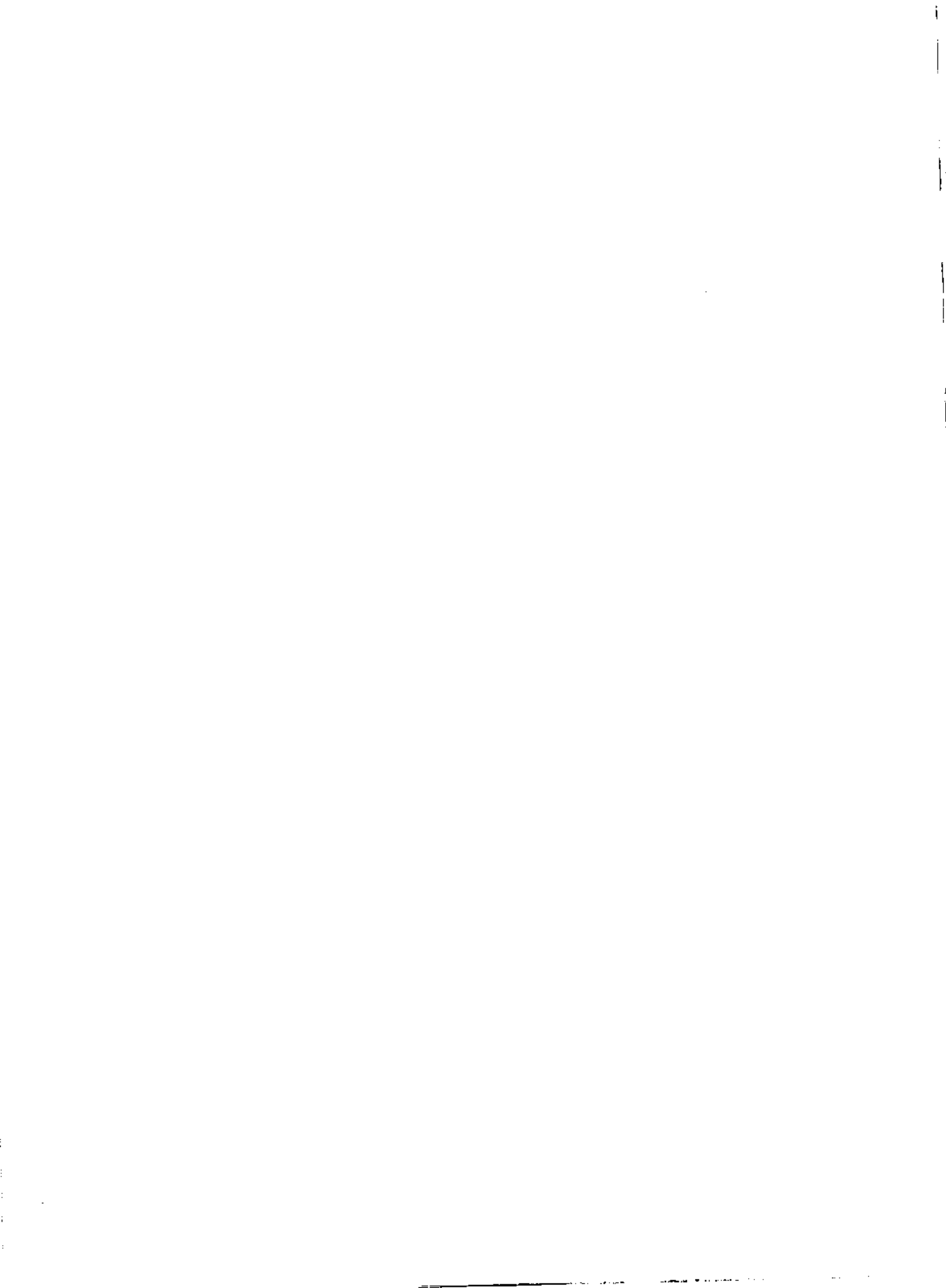
Research Directory. Each year, CRN will publish Countryside and related Recreation Research: work completed by the CRN Agencies. This provides information on each agency's research programme for the past year.

For further information about CRN, or for further copies of this document, contact:

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Dept. of City & Regional Planning
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Tel./Fax: 0222 874970

The Sponsors have contracted the Dept. of City & Regional Planning, University of Wales College of Cardiff to provide the CRN Secretariat.



INTRODUCTION—THE CRN AGENCY RESEARCH PROGRAMMES

The Countryside Recreation Network is a unique organisation. Its diverse membership is reflected in the content of the agency research programmes. These cover a wide array of countryside issues, all of which to a greater or lesser degree are concerned with countryside and related recreation. Projects directly relating to countryside recreation form the bulk of the entries and are complemented by a variety of work undertaken into some of the apparently tangential but nevertheless potentially highly relevant issues. The projects included form only a selection of the full research programmes of the CRN agencies, especially those with a broad remit, and are based on the following criteria:

- advancing the state of knowledge of the nature, extent, trends and interactions of countryside recreation;
- monitoring the socio-economic, cultural and environmental impact of agency policy and grant schemes;
- predicting the possible effect of new policies in environmental and socio-economic terms;
- establishing the most suitable techniques to enhance and conserve the countryside and natural resources underpinning countryside recreation; and
- improving the basis of information which agencies can use for advice, advocacy, planning and management.

Assessing countryside recreation in these terms demands attention to a potentially vast array of topics, reaching into the work of other disciplines and increasingly recognising the importance of interaction and interrelationships between those disciplines. Much of the substantive research by the countryside agencies relates to monitoring and review through visitor surveys, the impacts of certain activities, ways of managing them, and specific issues relating to access. This contributes to a more sophisticated understanding of countryside recreation trends and opportunities. Increasingly this is complemented by research into countryside resources, in turn prompted by the developing recognition of the interaction of recreation and the environment. The balancing of conservation and recreation objectives within sensitive natural environments, in conjunction with the development of management techniques, is likely to be central to the work of the countryside agencies in future years.

Much of the work is induced by the recognition that recreation and the natural environment are intimately linked both in relation to one another and as part of a wider, interdependent and global system. The development of ideas on sustainability through for example the UK Sustainable Development Report and the EC Habitats and Species Directive forms the basis of new thinking and approaches to long standing problems and challenges. This thinking increasingly penetrates policy and management approaches at all levels. Changes in the orientation and concentration of research are also stimulated by the influence of external administrative factors: such as local government reform and the instigation of value for money approaches to many aspects of agency work.

New and better ways of understanding and tackling problems are a constant and prominent theme of the research programmes of the CRN agencies, particularly with regard to the adoption and development of Geographical Information Systems (GIS). Their use and development enable a broader and more flexible view of such themes as resource utilisation and the interaction of different activities to be taken. Many of the databases listed in the Research Directory relate to GIS-based projects.

Agencies increasingly recognise the importance of action at the local scale working closely to address the needs and desires of those who use, live in and manage the countryside. Hence community action is an increasingly prominent theme. The key to developing these themes of stronger integration of agency and local community objectives is partnership through community participation, and the better use of public funds to achieve common objectives. Partnership

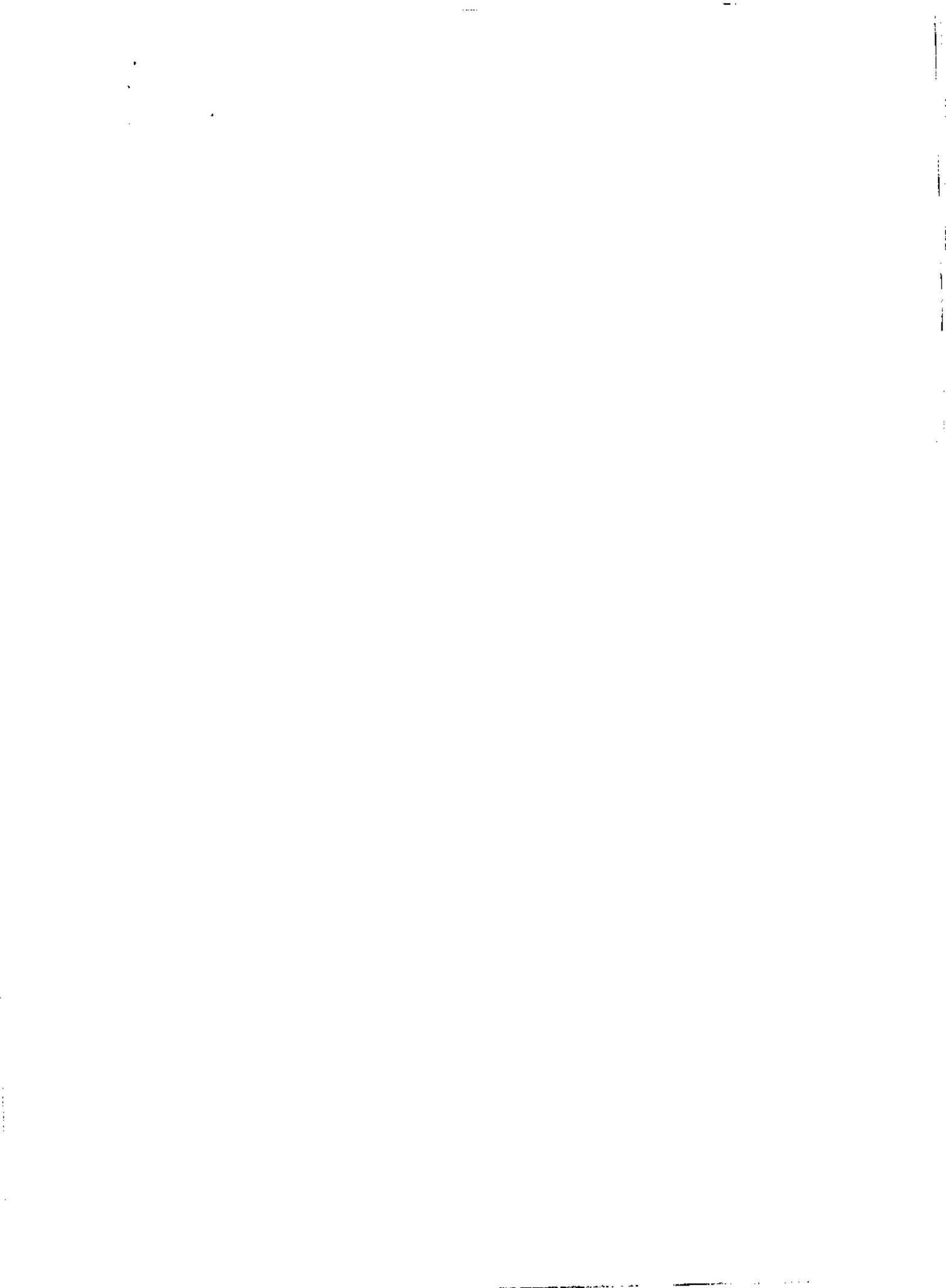


inevitably takes many forms and the general concept is reflected both in the focus of research and interaction between the agencies. The UK Day Visits Survey is a prominent example of this where six of the CRN agencies have collaborated on this national survey.

The entries included cover projects completed during 1993 and published in 1993 or early in 1994.

COUNTRYSIDE RECREATION RESEARCH

1993



ADAS/MAFF

Introduction

One of the aims of ADAS/MAFF is to seek to achieve a reasonable balance between the interests of agriculture, the economic and social interests of rural areas, the conservation of the countryside and the promotion of its enjoyment by the public.

Projects were chosen for inclusion in the CRN Research Directory if the research objectives clearly met any of the following criteria, which identify projects with a bearing on leisure and recreation activities:

- monitoring socio-economic and environmental impacts of MAFF policy and grant schemes;
- predicting the possible impact of new policies on the environment and land use change;
- assessing the effects of agricultural inputs and techniques on flora and fauna;
- establishing the most suitable management techniques to enhance and conserve the countryside and natural resources.

In addition to those projects listed, research work is undertaken in areas such as climatic change, the impact of pollution and pesticides on agriculture and land management techniques. Although many of these projects have a bearing upon the environment, they are principally agronomic in their objectives and were therefore not included.

Projects, Publications and Reports

ADAS 1 *Plant Ecology of Semi-natural Habitats in Relation to the Development of Weed Management Strategies*

A research project to examine the significance of weed dispersal from field margins and to develop sown perennial vegetation strips at the edges of arable fields.

Published: Patterns of Distribution of Plants in the Fields and their Boundaries

Author: Marshall E J P

Date: 1992

Book: Pesticides, Cereal Farming and the Environment: The Boxworth Project Peter Greig-Smith Geoff Frampton & Tony Hardy (eds.) pp 68-81

Publisher: HMSO, London

Published: Herbicide and cutting treatments for establishment and management of diverse field margin strips

Authors: Marshall E J P & Nowakowski M

Date: 1992

Journal: Aspects of Applied Biology 29. Vegetation management in forestry, amenity and conservation areas

Published: Wilmott Conservation 1992 Programme Report

Authors: Nowakowski M & Marshall E J P

Date: 1993

Publisher: Wilmot Industries Ltd., West Yoke, Ash, nr Wrotham, Kent TN15 7HU

Contact: E J P Marshall, Dept. of Agricultural Sciences, University of Bristol, AFRC Institute of Arable Crops Research, Long Ashton Research Station, Bristol BS18 9AF

Agency Ref: BD0403



ADAS 2 *Biological Diversity of Grassland*

A research project to devise cost-effective methods of preserving species-rich grassland.

Published: The importance of field margins as sources of wildflower propagules in grassland extensification.

Author: Jones A

Date: 1993

Publisher: Occasional Symposium No. 28 BGS (in press)

Published: Impact of nitrogen and organic manures on yield and botanical diversity of grassland field margins

Authors: Jones D and Haggar R J

Date: 1993

Publisher: Proceedings Occasional Symposium No. 27, British Grassland Society, 135-138

Published: Effect of grazing on the persistency of a newly sown herb-rich sward

Authors: Jones D and Haggar R J

Date: 1993

Publisher: Occasional Symposium No. 28 BGS (in press)

Published: Grassland Management and Nature Conservation

Authors: Haggar R J and Peel S

Date: 1993

Publisher: Occasional Symposium No. 28 BGS (in press)

Published: Osmotic Printing—its potential to enhance establishment of wildlife seed

Authors: Tallwin J R B, Brookman S K E and Rook A J

Date: 1992

Publisher: Thirteenth Annual Seed Ecology Meeting, University of Sheffield

Contact: Professor R J Haggar, Pasture Ecology Dept., IGER, Plas Gogerddan, Aberystwyth, Dyfed SY23 3EB

Agency Ref: BD0302

ADAS 3 *Development of a Mycoherbicide for Bracken Control*

To develop spores of the indigenous fungus *Asciocyta pteridis* as the active ingredients of a formulation of a mycoherbicide for the specific control of bracken.

Published: Mycoherbicide Formualtion and the Potential for Bracken Control

Authors: Womack J and Burge M

Date: 1993

Journal: Pesticide Science 3, 337-341

Agency Ref: OC8904 (CSA 1715)

Contact: M Burge, University of Strathclyde, Dept. of Bioscience & Biotechnology, the Todd Centre, 31 Taylor Street, Glasgow G4 0NR



ADAS 4 *Mechanisms of Bracken Spread in Permanent Grassland and Development of Containment*

To characterise the mechanisms of distribution and dispersal of bracken in permanent grassland and develop environmentally benign management and containment strategies based on herbicide treatment.

Published: A method for studying growth and development of bracken in microplots to aid control strategies.

Authors: Lawrie J, West T M and Truman M

Date: 1992

Journal: Aspects of Applied Biology 29: Vegetation Management in Forestry, Amenity and Conservation Areas

Published: Response of bracken plants from different sites to potential new herbicide treatments

Authors: West T M

Date: 1992

Journal: Aspects of Applied Biology 29: Vegetation Management in Forestry, Amenity and Conservation Areas

Published: Response of young bracken plants from three different sites to the herbicide tribenuron-methyl

Authors: Lawrie J

Date: 1993 (in press)

Journal: Annals of Applied Biology, Tests of Agrochemicals and Cultivars, 15

Published: A short-term method to study the effect of adjuvants on herbicide activity against young plants of *Pteridium aquilinum*

Authors: Lawrie J and West T M

Date: 1993

Journal: Proceedings Brighton Crop Protection Conference, Weeds

Published: Response of young bracken plants from three different populations to the herbicide tribenuron-methyl

Authors: West T M

Date: 1993

Journal: Annals of Applied Biology, Tests of Agrochemicals and Cultivars, 14

Published: Response of bracken and heather to the herbicides tribenuron-methyl) plus or minus adjuvants) and asulam

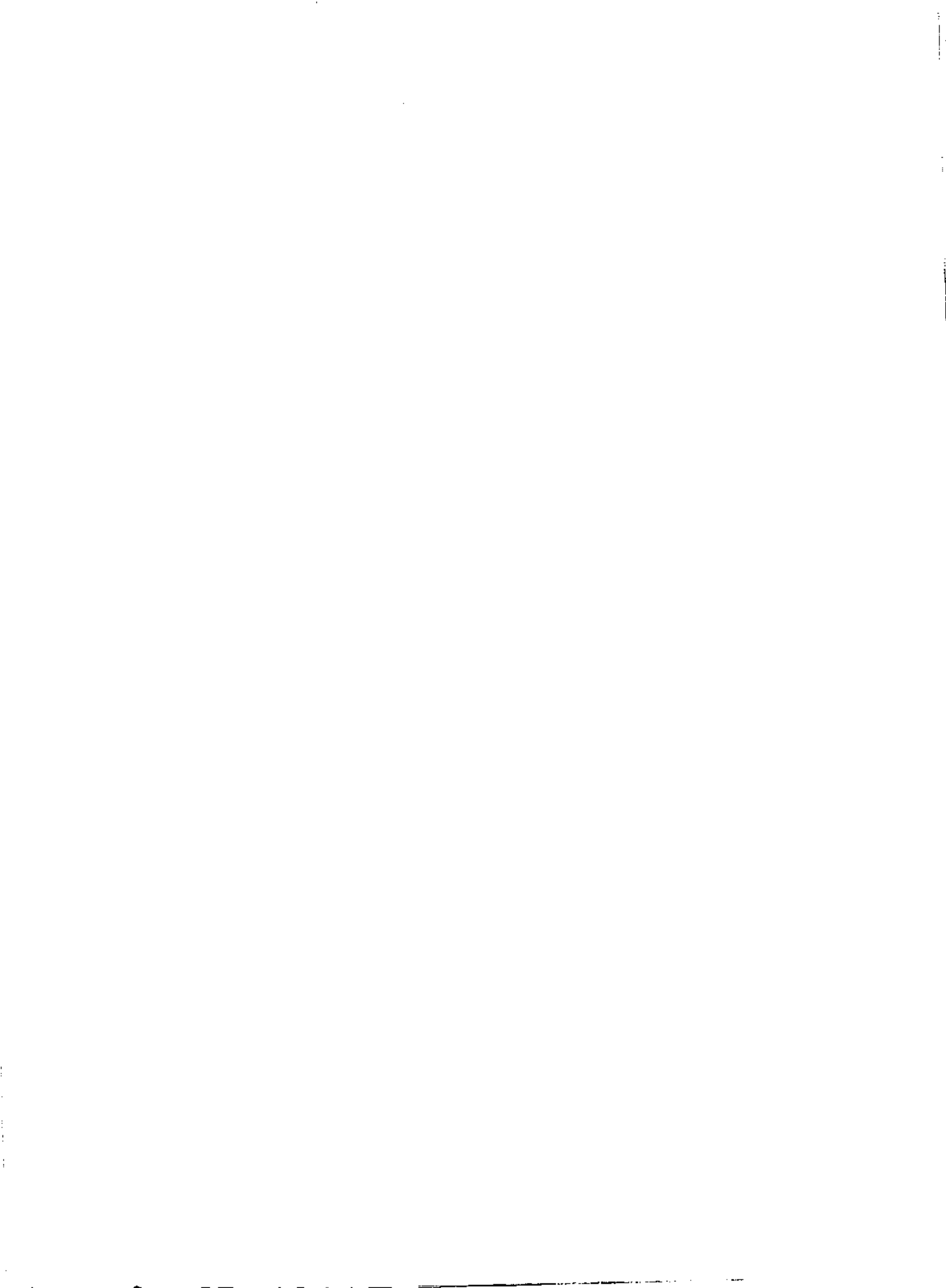
Authors: West T M and Lawrie J

Date: 1993

Journal: Proceedings Brighton Crop Protection Conference, Weeds

Contact: M P Greaves, AFRC Institute of Arable Crops Research, Long Ashton Research Station

Agency Ref: BD0501



ADAS 5 *Establishment of Farm Woodlands*

A research project to provide physical and financial information on the establishment and maintenance of small farm woodlands

Published: Residual herbicides for newly planted farm woodlands: efficacy and tree tolerance
Author: Britt C P
Date: 1992
Journal: Aspects of Applied Biology

Published: Effect of site preparation and plant type on the establishment of farm woodland trees
Authors: Britt C P and Williamson D R
Date: 1992
Journal: Aspects of Applied Biology

Published: Vegetation management during the establishment of farm woodlands
Authors: Williamson D R, McDonald H G and Nowakowski M R
Date: 1992
Journal: Aspects of Applied Biology

Published: Policy for Weed-free Woodland
Author: Britt C P
Date: 1992
Journal: Crops

Published: Establishing Farm Woodlands
Authors: Williamson D R
Date: 1992
Publisher: HMSO

Agency Ref: WD0101

Contact: C P Britt, ADAS Drayton, Alcester Road, Stratford upon Avon, Warwickshire CV37 9RQ

ADAS 6 *Economic Silviculture Systems/Silvipastoral Land Use Systems*

A research project to evaluate the potential of silvipastoral land use systems in relation to agricultural output, the production of high quality timber and environmental impact.

Published: Effects of ground vegetation management on root distribution of ash trees
Authors: Eason W, Tomlinson H and Hainsworth C
Date: 1992
Publisher: Aspects of Applied Biology 29, 225-231+

Published: Interactions between plants: the role of mycorrhizas
Authors: Newman E, Eason W, Eissenstat D and Ramos I
Date: 1992
Publisher: Mycorrhiza 1, 47-53+

Published: The effect of tree density on soil compaction in a sheep-grazed silvipastoral system
Authors: Laws J, Gill E and Sheldrick R
Date: 1992
Publisher: Proceedings of British Grassland Society (Summer meeting)



- Published:** Establishment of an upland silvipastoral land use system
Authors: Eason W, Gill E, Haggard R, Jones D, Bowling P and Danby N
Date: 1992
Publisher: Proceedings of 3rd Int. Symposium on Agroforestry, Nanjing, China. Nanjing Forestry University.
- Published:** Effect of ground vegetation management on the growth and spatial distribution of ash roots (*Fraxinus excelsior* L.)
Authors: Tomlison H and Eason W
Date: 1992
Publisher: Proceedings of 3rd International Symposium on Agroforestry, Nanjing, China. Nanjing Forestry University.
- Published:** Establishment of an Upland Use System
Authors: Eason W and Gill E
Date: 1992
Publisher: In "Land Use Change: Causes and Consequences" (HMSO publications).
- Published:** Experimental Silvipastoral Land Use Systems: The First Five Years.
Authors: Eason W, Simpson J, Haggard R, Gill E, Lavendar R, Sheldrick R, Johnson R, Roberts J, Rogers D and Danby N
Date: 1992
Publisher: Proceedings of "The Future of the Land", Wageningen Agricultural University*
- Published:** Root-mycorrhizal interactions in an agroforestry system
Author: Eason W
Date: 1992
Publisher: British Council Short Course on Agroforestry, University of Wales, Bangor
- Agency Ref:** CSA1126, WD0301
- Contact:** W Eason, Pasture Ecology Dept., IGER, Plas Gogerddan, Aberystwyth, Dyfed ST23 3EB

* to be published by John Wiley & Sons (Spring 1994).

ADAS 7 *Heather Grazing in Hills and Uplands*

Development of methods of managing grassland in the hills and uplands consistent with healthy agriculture.

- Published:** 1990 Hill and Upland Pasture R & D
Author: Chalmers H
Date: 1990
Journal: Grassland Farmer (BGS)
- Published:** The Dynamics of Vegetation Change and Flock Output on Hill Land
Authors: Rushton S, Byrne J
Date: 1990
Journal: Proceedings of the BGS
- Published:** Environment and Management Factors Controlling the Cover of *Calluna* in Wet Moorland
Authors: Henderson D, Nolan A and Merrell B
Date: 1991
Journal: Joseph Nickerson Foundation

Published: The Effect of Sheep Grazing on the Rehabilitation of Degraded Dry Heather Moor
Authors: Hulme P, Fisher J and Merrell B
Date: 1991
Journal: Joseph Nickerson Foundation

Published: Growth and Utilisation of Heather (*Calluna vulgaris*) under Contrasting
 Managements
Authors: Byrne J, Wildig J and Rushton S
Date: 1991
Journal: ITE Symposium Nos. 27

Published: The Hills and Uplands Project
Author: Byrne J
Date: 1992
Journal: The Joseph Nickerson Reconciliation Project Annual Report

Published: Some Agronomic Effects of Reducing the Stocking Rate on Semi-natural Vegetation
 in Northumberland and Mid Wales
Authors: Byrne J, Wildig J and Rushton S
Date: 1993
Journal: Proceedings of the BGS/BES

Published: Heather Moorland R & D at ADAS Pwllpeiran
Author: Wildig J
Date: 1993
Journal: ADAS seminar proceedings

Published: Comparative Performance of Scottish Blackface Flocks Stocked at 1.48 and 2.1 Ewes
 per Hectare
Author: Byrne J
Date: 1993
Journal: ADAS seminar proceedings

Published: Strategies to Aid Heather (*Calluna Vulgaris*) Recovery
Author: Merrell B, Henderson D, Nolan A, Suckling D, Hulme P and Fisher J
Date: 1993
Journal: ADAS seminar proceedings

Published: Modelling the Dynamics of Vegetation Under Different Grazing Management
Author: Rushton S
Date: 1993
Journal: ADAS seminar proceedings

Published: Invertebrate Studies at ADAS Redesdale and ADAS Pwllpeiran
Author: Sanderson R
Date: 1993
Journal: ADAS seminar proceedings

Agency Ref: BD0101

Contact: J Byrne, ADAS Redesdale, Rochester, Otterburn, Northumberland NE19 1SB



ADAS 8 *Wetland Restoration*

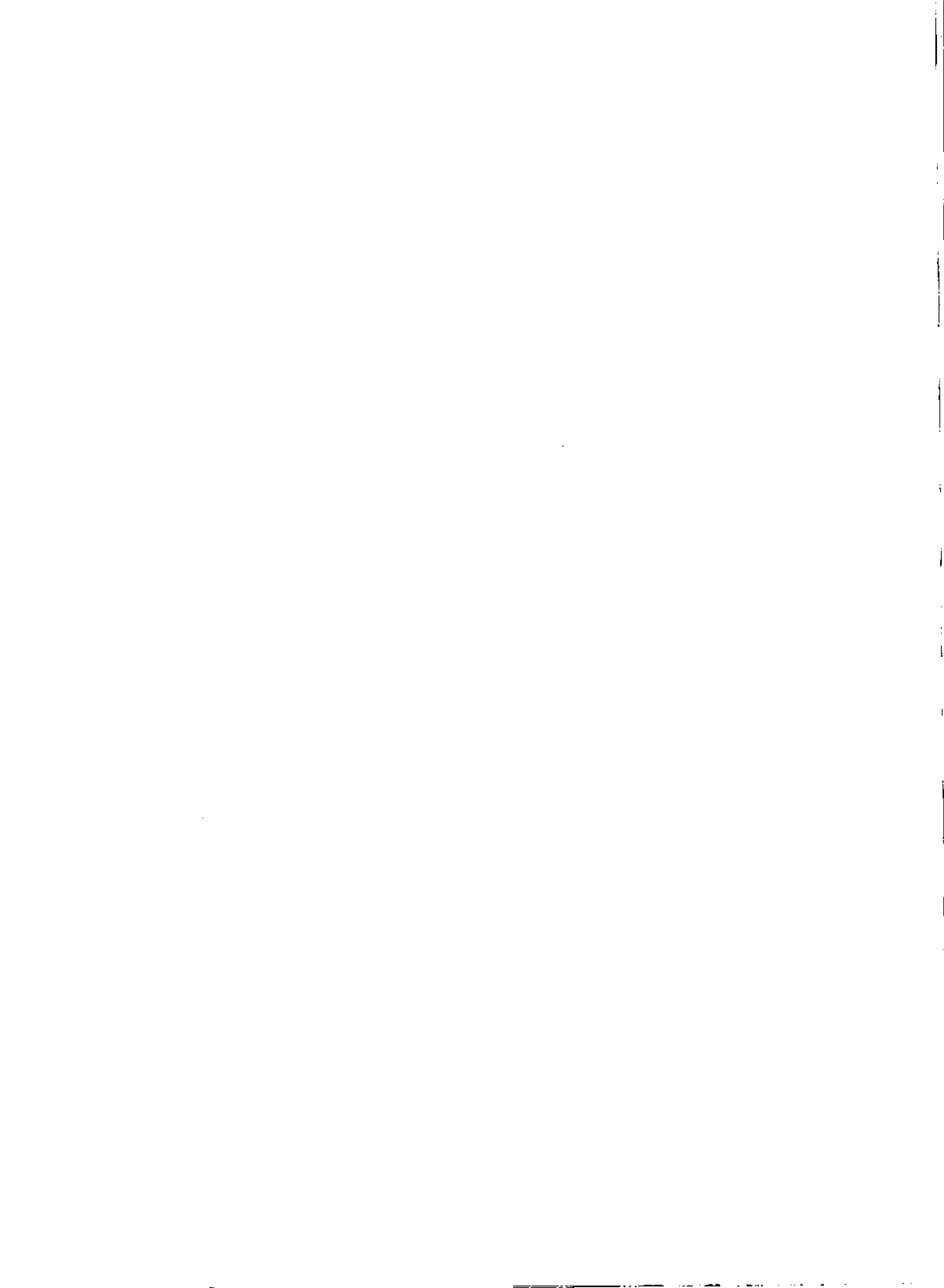
A research project to develop criteria for the identification and management of appropriate sites for wetland restoration.

- Published:** "Wetland Restoration: Techniques for an Integrated Approach"
Authors: Treweek J, Caldwell R, Manchester S, Mountford J, Armstrong A, Rose S, Hodge I and Lambourn R
Date: 1993
- Published:** "Modelling the Response of In-field Watertables to Ditch Levels Imposed for Ecological Aims: a Theoretical Analysis"
Date: 1993
Publisher: Agriculture, Ecosystems and Environment
- Published:** "Simple Models to Predict Field Soil Water Regimes in the Presence of Ditch Water Levels Managed for Environmental Aims"
Authors: Armstrong A, Portwood A and Castle D
Date: 1993
Publisher: Proceedings of the 15th Congress on Irrigation and Drainage, the Hague, the Netherlands
- Published:** "Water Use Requirements for Management Wetland Reserves for Ecological Aims"
Authors: Armstrong A, Rose S and Treweek J
Date: 1993
Publisher: Proceedings of the 4th Hydrology Symposium of the British Hydrological Society, Cardiff
- Agency Ref:** BD0203
Contact: A Armstrong, ADAS Soil & Water Research Centre, Anstey Hall, Maris Lane, Trumpington, Cambridge CB2 2LF

ADAS 9 *The Swavesey Fen Project*

A study of the influence of hydrology on the ecology and land use at Swavesey Fen.

- Published:** "Influence of Farm Management and Drainage on Leaching of Nitrate from former Floodlands in a Lowland Clay Catchment"
Authors: Harris G and Parish T
Date: 1992
Publisher: Lowland Floodplain Rivers: Geomorphological Perspectives Eds. Carling P & Petts G John Wiley & Sons Ltd. 203-216
- Published:** "Nitrate Leaching to Surface Waters from Small Agricultural Catchments"
Authors: Harris G and Rose S
Date: 1992
Publisher: Aspects of Applied Biology, 30, 199-202
- Published:** "Ecological Effects of Hydrological and Land Use Changes at Swavesey Fen", summary report to MAFF
Authors: Harris G and Lakhani K
Date: 1993
Publisher: The Swavesey Project (1895-1993)



Published: "Ecological Effects of Hydrological and Land Use Changes at Swavesey Fen. Guidelines for the Environmentally Sympathetic Management of Agricultural Land" Report to MAFF.
Authors: Harris G and Lakhani K
Date: 1993
Publisher: The Swavesey Project (1895-1993)

Agency Ref: BD0201

Contact: G Harris, ADAS Soil & Water Research Centre, Anstey Hall, Maris Lane, Trumpington, Cambridge CB2 2LF

ADAS 9 *Farm Tourism Market: a market study of farm tourism in England*

A study which involved the gathering of consumer perceptions of farm based accommodation including bed and breakfast, self-catering accommodation, bunkhouse and camping barns to establish the level of satisfaction. It also established the perception of non-users of the accommodation to establish the potential for growth in the market. The study revealed a high level of satisfaction and potential for further growth.

Published: Farm Tourism Market: a market study of farm tourism in England
Authors: Denman R & Denman J, the Tourism Company
Date: 1993
Publisher: English Tourist Board (Commissioned by: ETB, RDC, ADAS, ATB Landbase and the Countryside Commission)
Price: £25.00

BRITISH WATERWAYS

Introduction

British Waterways is the statutory authority responsible for the maintenance and control of much of the inland waterway network of Great Britain. Research is carried out into a wide range of subject areas, reflecting BW's interests, including engineering, ecology, water supply, freight transport, property and recreation. Recreation-related research is controlled and co-ordinated by a Market Research unit, based at the head office in Watford. British Waterways has a regional structure, with responsibility for the day-to-day control of the waterways devolved to local management. Research is geared towards meeting local management needs as well as corporate functions, such as policy and monitoring.

Specific topic areas covered in the current research programme include:-

- Monitoring visitor numbers, especially at remote sites. BW has developed an electrical 'people' counter to help in this task.
- Managing conflict eg. between different user groups or between users and the waterway environment.
- The valuation of indirect and non-quantified benefits and costs, including consumer surplus, impact on property prices and employment generation.
- Customer care monitoring.
- The investigation of possible new leisure business areas.

Projects, Publications and Reports

BW 1 *Foxton Locks Visitor Survey, 1992*

An interview survey of visitors to the Foxton lock flight near Market Harborough, Leicestershire. Topics covered include visit characteristics & travel patterns, visitor satisfaction and preferences, visitor spend, reactions to possible new developments and demographic information.

Published: Foxton Locks Visitor Survey, 1992
Date: February 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 65

BW 2 *Bridgwater and Taunton Canal: Strategy for Leisure & Tourism? Development*

This is a consultation document setting out the strategy for the future development of the Bridgwater & Taunton Canal in Somerset for leisure and tourism. It draws on local research input regarding current and future usage of the canal.

Published: Bridgwater and Taunton Canal: Strategy for Leisure & Tourism Development
Date: March 1993
Publisher: British Waterways
Price: £12.00 (incl. p&p)



BW 3 *The Value of Waterside Properties*

This study investigates the environmental amenity benefits of inland waterways using two methods - a contingent valuation survey of estate agents' estimates of the incremental value in residential property attributable to inland waterways; and a hedonic price model based on actual sale prices.

Published: The Value of Waterside Properties: Estimating the impact of waterways and canals on property values through hedonic price models and contingent valuation methods
Authors: Willis K, Garrod G
Date: June 1993
Publisher: Countryside Change Unit, Dept. of Agricultural Economics, University of Newcastle-upon-Tyne
Price: £3.00 (incl. p&p)

BW 4 *Stoke Bruerne Museum Visitor Survey, 1992*

An interview survey of individuals and groups visiting the waterways museum at Stoke Bruerne, Northamptonshire. Topics covered include peoples' awareness of the museum, visitor opinions and preferences, travel patterns, visitor spend and demographic information.

Published: Stoke Bruerne Museum Visitor Survey, 1992
Date: July 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 66

BW 5 *Customer Care Research - Boatowners' Views 1992*

A postal survey of owners of private powered boats throughout the British Waterways canal and river network. The survey covers ratings of physical and staff service criteria, as well as investigating boatowners' preferences.

Published: Customer Care Research - Boatowners' Views 1992
Date: July 1993
Publisher: British Waterways
Price: Free of charge
Agency Ref: Research Paper No. 67

BW 6 *Cycleway/Shared-Use Path Study, Birmingham Main Line Canal 1992*

Since 1989, the 14-mile towpath of the Birmingham Main Line Canal between Birmingham and Wolverhampton has been developed as a cycleway. This survey of both cyclists and informal visitors reviewed changes in visitors' reactions to cycling on the towpath, following on from a previous survey carried out in 1989. Specific topics covered included changes in use of the towpath, opinions and preferences of cyclists and informal visitors, conflict between user groups and market data related to cyclists.

Published: Cycleway/Shared-Use Path Study, Birmingham Main Line Canal 1992
Date: November 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 68

BW 7 *Cycleway/Shared-Use Path Study, Kennet & Avon Canal 1992*

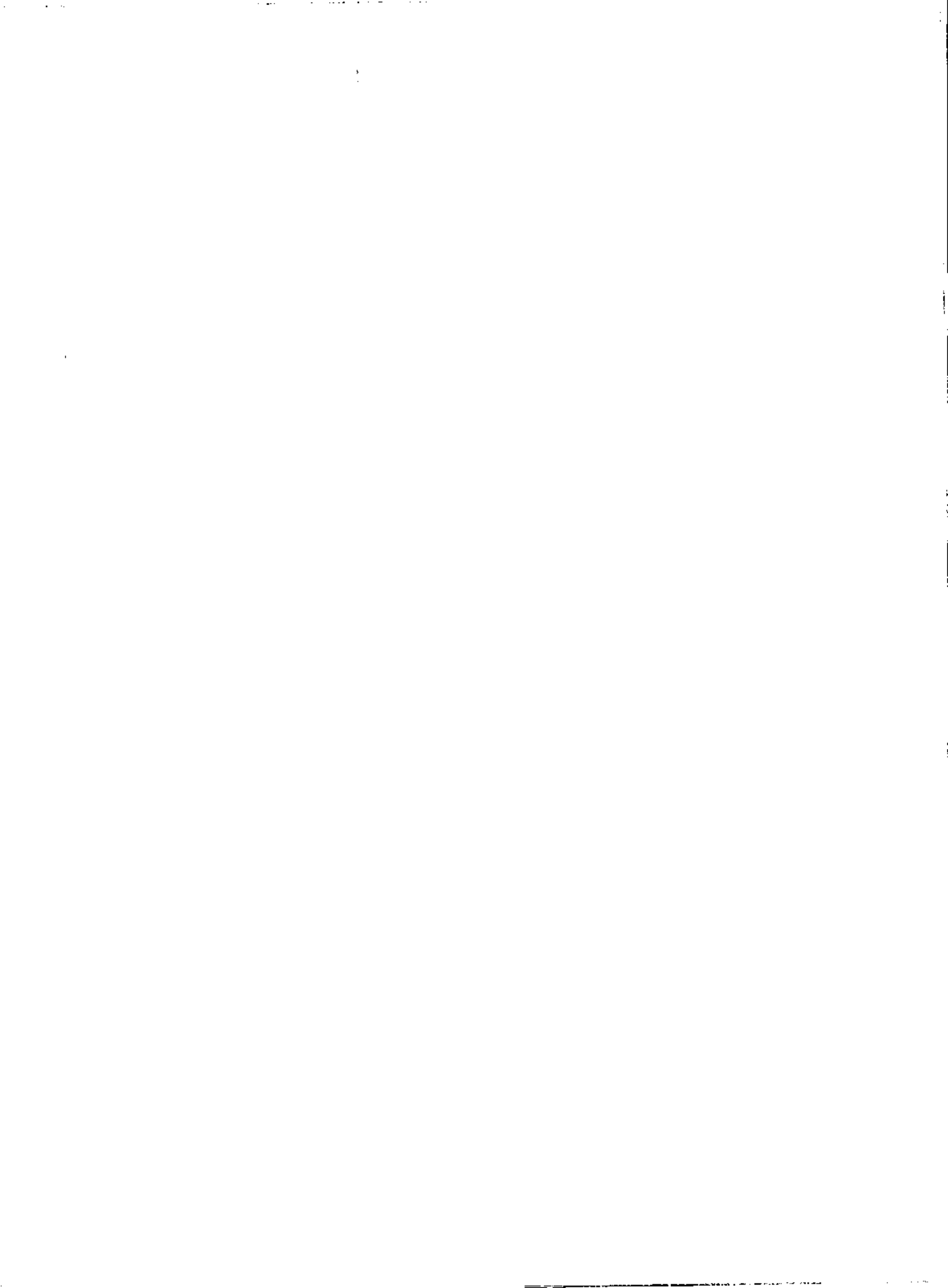
This is an interview survey of cyclists and informal visitors at two sites on the Kennet & Avon Canal - Bath and Newbury. Specific topics covered included opinions and preferences of cyclists and informal visitors, conflict between user groups and market data related to cyclists.

Published: Cycleway/Shared-Use Path Study, Kennet & Avon Canal 1992
Date: November 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 69

BW 8 *Caen Hill, Devizes - Visitor Survey, 1992*

An interview survey of visitors to the Caen Hill lock flight near Devizes, Wiltshire. Topics covered include visit characteristics & travel patterns, visitor satisfaction and preferences, visitor spend, reactions to possible new developments and demographic information.

Published: Caen Hill, Devizes - Visitor Survey, 1992
Date: December 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 70



An interview survey of visitors to Hawkesbury Junction, near Coventry (at the intersection between the Coventry & North Oxford Canals). Topics covered include visit characteristics & travel patterns, visitor satisfaction and preferences, visitor spend, reactions to possible new developments and demographic information.

Published: Hawkesbury Junction Visitor Survey, 1992
Date: December 1993
Publisher: British Waterways
Price: £10.00 (incl. p&p)
Agency Ref: Research Paper No. 71

Contact for Research Enquires:

Glenn Millar, Research Manager, British Waterways, Willow Grange, Church Road, Watford, Herts. WD1 3QA Tel: 0923 226422



COUNTRYSIDE COMMISSION

Introduction

The Countryside Commission works to conserve and enhance the beauty of the English countryside and to help people to enjoy it. It undertakes a wide range of activities to conserve the natural beauty of the countryside and to make it more accessible for public enjoyment. The Commission acts as the government's adviser on countryside matters. In addition, it has special responsibility for designating National Parks and Areas of Outstanding Natural Beauty, defining Heritage Coasts and establishing National Trails. The purpose of the Research and Experimental programme is to inform and support the development of the Commission's national policies and regional practice. There are three main types of research and experimental work:

1. Monitoring of social and environmental changes in the countryside as they affect the Commission's work, the main areas being in relation to public attitudes to the countryside, patterns of countryside recreation and changes in the rural landscape.
2. Evaluation of specific proposals or projects, both the projects of other agencies as they impact on the Commission's interests, and the effectiveness of the Commission's own programmes.
3. Developing and promoting new ideas and spreading good practice by means of experiment and demonstrations.

Projects, Publications and Reports

CC 1 *Local Authority Expenditure on Rights of Way 1990-1991*

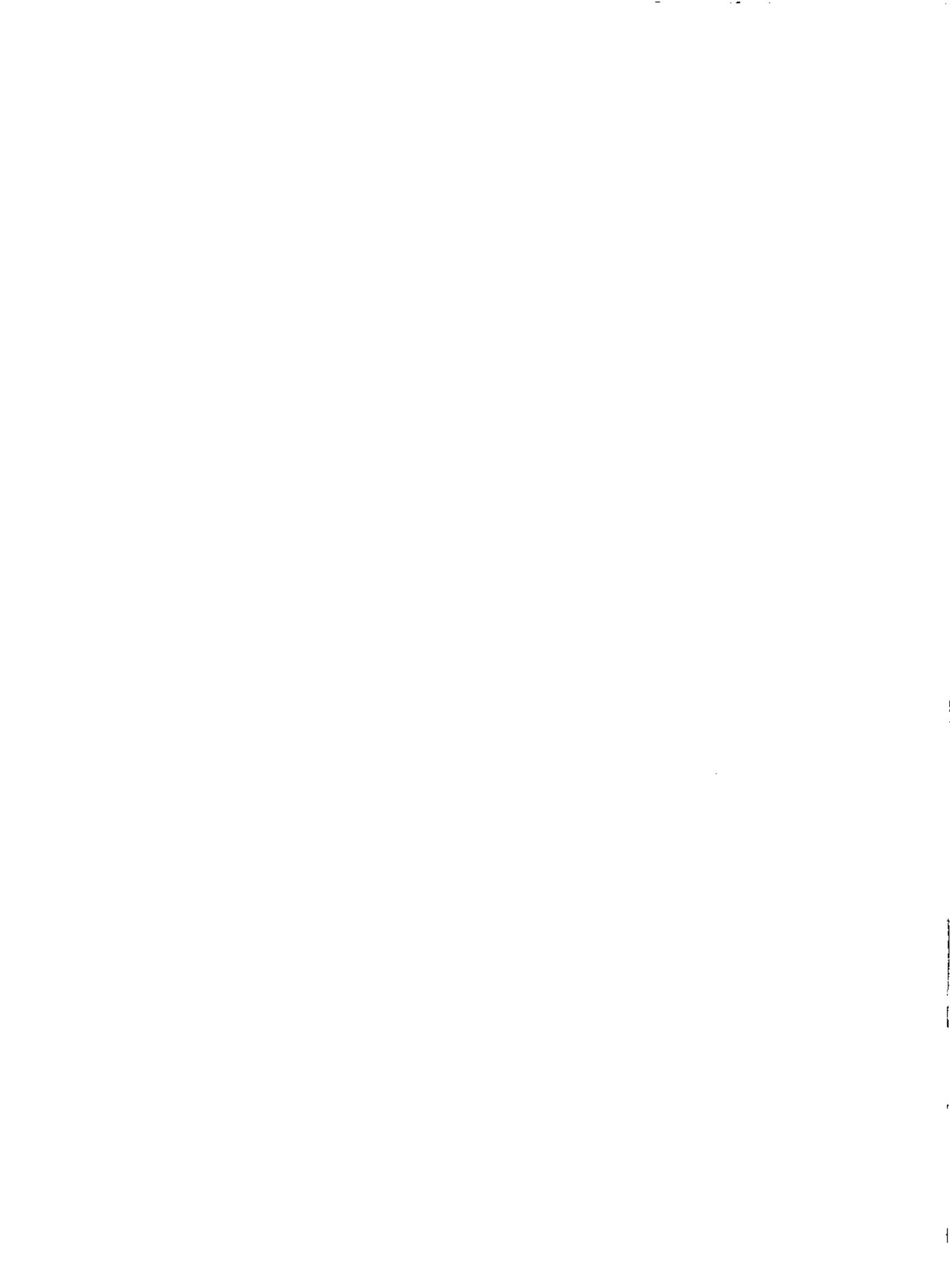
This is a report of the findings from a survey of local authority expenditure and involvement with rights of way in England and Wales in 1990-1991. The benchmark survey was carried out in 1986-1987 and this report further compares and contrasts the findings from both surveys to gauge the level of progress towards the Countryside Commission's target of having the entire network legally defined, properly maintained and well publicised by the end of this century.

Published: Local Authority Expenditure on Rights of Way 1990-1991
Authors: Survey Research Associates
Date: December 1993
Publisher: Countryside Commission
ISBN: 0-86170-352-9
Price: £10.00
Agency Ref: CCP 395

CC 2 *Task Force Trees—landscape impact assessment*

This is the second report of the work carried out by Task Force Trees, which was set up after the great storms of 1987 and extended after the storms of early 1990. The report assesses the impact of landscape rehabilitation programmes that have received TFT funding. This report presents the findings of studies in the counties of East Sussex, Norfolk and Suffolk and the London Borough of Harrow.

Published: Rooting for the Future
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-352-9
Price: £7.50
Agency Ref: CCP 405



CC 3 *Coastal Management*

This report, by Professor Keith M Clayton, aims to provide an understanding of coastal processes and coastal management problems, to inform those involved in coastal zone management. Professor Clayton advocates greater reliance on nature's ability to adjust to changing conditions, and deciding in good time how to reduce the cost of coastal management.

Published: A Guide to Coastal Management
Author: Prof Keith M Clayton
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-355-3
Price: £12.50
Agency Ref: CCP 398

CC 4 *Countryside Management Projects*

This advisory booklet explains the role and objectives of Countryside Management Projects (illustrated with an accompanying video) and outlines how the Commission supports these initiatives.

Published: Countryside Management Projects
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-363-4
Price: £4.50
Agency Ref: CCP 403

CC 5 *Design in the Countryside*

This document sets out the Commission's approach to encouraging good design as a step towards maintaining the local character of the countryside. Through it, the Commission hopes to influence the appearance of new buildings and to maintain the essential harmony between those buildings, their settlements and the landscape in which they sit.

Published: Design in the Countryside
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-382-0
Price: £3.00
Agency Ref: CCP 418

CC 6 *Countryside Premium for Set-aside Land: Monitoring and Evaluation 1989-1992*

A description and assessment of this experimental scheme that encouraged farmers to manage their set-aside land for environmental and public access benefits. The results of three years' monitoring and evaluation by independent consultants are summarised, as well as their recommendations for the future.

Published: Countryside Premium for Set-aside Land: Monitoring and Evaluation
1989-1992
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-398-7
Price: £10.00
Agency Ref: CCP 428

CC 7 *Landscape Assessment Guidance*

New guidance from the Countryside Commission, prepared by Cobham Resource Consultants, describing the purposes of landscape assessments and how to undertake them. The publication is illustrated with examples of assessments at a variety of scales including county, AONB, Community Forest, Environmentally Sensitive Area and river catchment assessments.

Published: Landscape Assessment Guidance
Authors: Cobham Resource Consultants
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-389-8
Price: £5.00
Agency Ref: CCP 423

CC 8 *Opencast Coal Mining*

The restoration and landscape treatment of an opencast mine represents a total re-creation of the local environment. In the past, the process has led to inadequate landscapes, although great improvements have been made in recent years. This advisory booklet is designed to continue that momentum through practical guidance at strategic and site level.

Published: Opencast Coal Mining: Advisory booklet
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-404-5
Price: £10.00
Agency Ref: CCP 434

CC 9 *Golf Courses in the Countryside*

A fully illustrated report giving advice on assessing the impact of golf courses on landscape and informal countryside recreation, together with advice on design principles and good practice. Prepared for the Commission by Chris Blandford Associates, it follows on from the Commission's 1992 position statement on new golf courses in the countryside.

Published: Golf Courses in the Countryside: Advisory booklet
Authors: Chris Blandford Associates
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-407-X
Price: £10.00
Agency Ref: CCP 438

CC 10 *Rights of Way Design Guide*

Giving practical advice on the maintenance of public rights of way, it is primarily aimed at local authority rights of way staff, but will be equally useful to anyone involved in path work. It gives recommended designs for the structures that may be used, gives advice on the repair & maintenance of path surfaces and summarises the legal issues involved.

Published: Rights of Way Design Guide
Authors: Dennis Nightingale
Date: 1993
Publisher: Northamptonshire County Council
ISBN: 0-947590-11-0
Price: £10.00

CC 11 *Conservation Issues in Strategic Plans*

A fully co-ordinated and integrated presentation of the Countryside Commission, English Heritage and English Nature, on the need for the careful conservation of England's cultural, historic and natural environment. The guidance shows how sustainability might be applied within strategic planning for the benefit of the national heritage.

Published: Conservation Issues in Strategic Plans
Authors: Land Use Consultants
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-383-9
Price: £6.00
Agency Ref: CCP 420

CC 12 *Action for London's Trees*

The Great Storm of 1987 highlighted the need for strategic planning and positive action for London's trees. A survey of London's tree population was commissioned, the results of which, along with Task Force Trees' experience of restoring storm damage form the basis for this action plan.

Published: Action for London's Trees
Authors: Cobham Resource Consultants
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-403-7
Price: £7.50
Agency Ref: CCP 433



CC 13 *The South Devon Landscape*

An illustrated assessment of the quality and character of the South Devon Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and identifies forces for change and areas of future management concern.

Published: The South Devon Landscape
Authors: Derek Lovejoy Partnership
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-359-6
Price: £7.00
Agency Ref: CCP 404

CC 14 *The Suffolk Coast and Heaths Landscape*

An illustrated assessment of the quality and character of this Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and identifies forces for change and areas of future management concern.

Published: The Suffolk Coast and Heaths Landscape
Authors: Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-363-4
Price: £7.50
Agency Ref: CCP 406

CC 15 *The Shropshire Hills Landscape*

An illustrated assessment of the quality and character of this Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and identifies forces for change and areas of future management concern.

Published: The Shropshire Hills Landscape
Authors: Land Use Consultants
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-365-0
Price: £7.50
Agency Ref: CCP 407

CC 16 *The Lincolnshire Wolds Landscape*

An illustrated assessment of the quality and character of this Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and identifies forces for change and areas of future management concern.

Published: The Lincolnshire Wolds Landscape
Authors: Cobham Resource Consultants
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-378-2
Price: £7.00
Agency Ref: CCP 414



CC 17 *The Dorset Downs, Heaths and Coast Landscape*

An illustrated assessment of the quality and character of this Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and identifies forces for change and areas of future management concern.

Published: The Dorset Downs, Heaths and Coast Landscape
Authors: Landscape Design Associates
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-390-1
Price: £7.50
Agency Ref: CCP 424

CC 18 *The Malvern Hills Landscape*

An illustrated assessment of the quality and character of this Area of Outstanding Natural Beauty. It describes the physical and human forces that have shaped the landscape types within the area, and is intended to lead to action to conserve the hills' landscape, wildlife and historical interest.

Published: The Malvern Hills Landscape
Authors: Landscape Design Associates
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-392-8
Price: £7.50
Agency Ref: CCP 425

CC 19 *National Targets for Rights of Way*

An advisory booklet describing the 'milestones' approach to rights of way management. It provides highway authorities with a structured framework they could adopt in developing plans to achieve the national target for public rights of way in their area by the year 2000.

Published: National Targets for Rights of Way - a guide to the Milestones approach
Authors: Transport for Leisure & Countryside Commission
Date: 1993
Publisher: Countryside Commission
ISBN: 0-86170-405-3
Price: £5.00
Agency Ref: CCP 435

Contact for Research Enquiries:

Recreation & Access Branch, Countryside Commission, John Dower House, Crescent Place, Cheltenham, Glos. GL50 3RA Tel. 0242 521381

Contact for Publications:

Countryside Commission Postal Sales, PO Box 124, Walgrave, Northampton NN6 9TL
Tel. 0604 781848

COUNTRYSIDE COUNCIL FOR WALES

Introduction

The Countryside Council for Wales (CCW) is the Government's statutory adviser on wildlife, the countryside and maritime matters in Wales. It is the executive authority for the conservation of habitats and wildlife. It promotes the protection of landscape, opportunities for enjoyment, and the support of those who live and work in, and manage the countryside. The Recreation, Access and Community Action Branch is responsible for:

- formulating and reviewing policy in these three fields;
- promoting policy through demonstrations and experimental initiatives;
- monitoring policy; and
- providing advice and guidance to Ministers, local authorities and others.

In terms of research, countryside recreation work within the Branch focuses on:

- establishing a clearer understanding of the recreational (natural facilities) offered in the Welsh countryside;
- monitoring and keeping abreast of technological changes in countryside sport and recreation; and
- assessing the environmental, social, cultural and economic impact of recreation and tourism.

Projects, Publications and Reports

CCW 1 *Public Attitudes to the Welsh Countryside*

This report provides some reference to public attitudes to environmental issues by people in Wales. It draws from the British Social Attitudes Survey. It suggests a framework for further research which would provide a benchmark for evaluating policy measures and public attitudes to the Welsh environment.

Published: Public Attitudes to the Welsh Countryside (a draft report available for consultation at CCW HQ Library).
Authors: Environmental Policy and Design
Date: June 1992
Agency Ref: R3C 205

CCW 2 *Tourism in National Parks: Promoting Local Products*

The report of a study undertaken further to advise on how the tourism industry might support the economy of local communities by encouraging skills and activities traditional to national parks. The report describes the range and extent of existing products and recommends opportunity for joint promotion with national park authorities.

Published: Report to CCW and other sponsoring agencies (available on request)
Authors: Fielder Green Associates
Date: January 1993
Agency Ref: R4E 201

CCW 3 *Local Authorities Expenditure and Activity on Rights of Way*

A survey of local authority expenditure by local authorities on public rights of way (PROW) in Wales in 1990/91. The survey has provided information necessary for the planning of the campaign in Wales to fully open up a network of PROW by 1995. The report provides an analysis and commentary on PROW and the resources spent on them.

Published: Local authorities expenditure and activity on rights of way
Authors: Survey Research Associates
Date: September 1992
Publisher: Countryside Council for Wales
Agency Ref: R3B 212

CCW 4 *A Programme for Developing Small Access Areas in Wales*

A proposal for an integrated programme of small access areas which seek to strengthen links between the Countryside Council for Wales' duties for nature conservation, landscape protection and enhancement and public enjoyment of the countryside. The report recommends the "marketing" of small access areas and involving local communities, local authorities and the private sector in their development.

Published: (internal report available for reference in CCW library)
Authors: Bishop, K. and Phillips, A.
Date: June 1992
Agency Ref: R3B 205

CCW 5 *Access to Open Country in Wales - an interim report*

An interim assessment of the options open to the Countryside Council for Wales to provide and improve opportunities for the public to gain access to open country in Wales. The report reviews four options. It suggests that whatever arrangements are proposed for access these should:

- make it legitimate for people to enjoy this type of land on foot without disturbing others;
- make it easier for people to understand what open country is accessible to them;
- provide explicit powers to deal with problems eg. uncontrolled dogs; and
- recognise the importance of financial support for the long term sensitive management of land.

Published: Access to open country in Wales - an interim report (available for reference, CCW Library)
Authors: Hickey, R. and Johnson, P.
Date: April 1992
Agency Ref: R3B 207



CCW 6 *International Standards of Recreation and Access*

A review of examples of good practice in the provision of recreation and access opportunities that could serve as models for Wales. The examples are drawn from European experiences.

Published: International standards for countryside recreation and access (internal report available in CCW library)
Authors: Swansea Institute of Higher Education
Date: May 1992
Agency Ref: R3A 206

CCW 7 *Good Practice in Sport and Recreation*

Joint project between CCW and the Sports Council for Wales which identifies examples of good practice in the management of sport and recreation in the Welsh countryside.

Published: Good practice in sport and recreation (during 1994)
Authors: Rural Surveys Research Unit, University of Wales, Aberystwyth
Date: March 1994
Agency Ref: R3A 209

CCW 8 *Programming Countryside Recreation and Access*

A review of existing arrangements with advice on the scope for refining the best current practice, emphasising ways of matching demand with available resources in different areas of Wales.

Published: i. Programming countryside recreation and access in Wales;
ii. 2nd Progress Report May 1992;
iii. Cambrian Mountains case study, June 1992.
All are internal reports, available for inspection in the CCW library
Authors: ASH Partnership
Date: April 1993
Agency Ref: R3A 210

CCW 9 *Countryside Recreation Management in Wales*

A report which recommends options for the future organising and delivery of countryside services in Wales.

Published: Countryside Recreation Management in Wales (internal CCW report)
Authors: Peter Scott Planning Services & Helen Holdaway, Environmental Management Consultants
Date: 1992
Agency Ref: R3A 211

CCW 10 *Ground Erosion*

A review of the processes involved in the erosion of upland footpaths. Collaborative study with the Countryside Commission and other partner agencies.

Published: Managing the impacts of recreation on vegetation and soil - a review of techniques
Authors: NG Bayfield and R Aiken - Institute of Terrestrial Ecology
Date: May 1992
Agency Ref: R3B 217

CCW 11 *Transport into the Welsh Countryside*

An overview of the most promising opportunities for reducing car dependency by developing alternative means of accessing the countryside.

Published: Countryside recreation and environmental sustainable transport policies for Wales (internal CCW report)
Authors: Swansea Institute of Higher Education
Date: November 1992
Agency Ref: R3B 210

CCW 12 *The Safety of Roads in the Welsh Countryside*

An overview of safety considerations on rural roads in Wales and the effect of vehicular traffic on the safety of walkers, cyclists and horse riders. Advice on ways to make country roads safer.

Published: The safety of roads in the Welsh Countryside (internal report to CCW)
Authors: Transport for Leisure
Date: March 1992
Agency Ref: R3D 201

CCW 13 *Sustainable Recreational Travel in the Vale of Ewyas*

A report on recreational travel in the Vale of Ewyas in the Brecon Beacons National Park with recommendations for future traffic management. The study formed part of a wider programme which examined sustainable tourism in four 'Motor' regions of Europe.

Published: A report to the EU as part of the four Motor regions study into sustainable tourism
Authors: Dr A Moyes, Rural Surveys Research Unit, Aberystwyth
Agency Ref: R3A 213

CCW 14 *UK Leisure Day Visits*

Project co-ordinated by the Countryside Commission, in collaboration with 9 other key agencies who have an interest in collecting information relating to characteristics of the UK Leisure Day visits market. Ongoing project now in its fourth year.

Published: UK Leisure Day Visits (UKDVS)
Authors: Survey Research Associates
Agency Ref: R3A 207



CCW 15 *Farm Tourism in Wales - strategic research and advisory study*

A joint research initiative with CCW, Wales Tourist Board, DBRW and WDA, to examine the present significance, structure and impact and an assessment of the future market prospects for farm tourism in Wales.

Published: Final Report Vol I & Vol II Executive Summary (internal report to agencies sponsoring the study)
Authors: John Brown Associates
Date: July 1993
Agency Ref: R3A 201

CCW 16 *Urban Fringe Countryside in Wales*

A study which recommends methods of improving the quality of the countryside within and immediately adjoining industrial areas in South and North-east Wales.

Published: The quality of the NE and S Wales urban fringe countryside (internal report to CCW)
Authors: Land Use Consultants
Date: August 1992
Agency Ref: R3C 206

CCW 17 *Recreation Site Surveys of South Wales*

This project is currently in its fourth year of collecting and analysing data gathered at key recreation sites in South Wales. The project is jointly funded by CCW and local authorities in South Wales to provide those authorities with up to date information on recreation to help with policy formulation.

Published: Recreation Site Surveys South Wales 1992 (internal report to sponsors)
Authors: Dr. A.J. Scott, Welsh Agricultural College, Aberystwyth.
Date: March 1993
Publisher: Project involves CCW, local authorities in S. Wales and key agencies such as Cadw, WTB, FE and WWA.
Agency Ref: R3B 218

CCW 18 *Low Cost Accommodation for Enjoying the Countryside*

Study to ascertain the quality and availability of inexpensive accommodation for visitors to the Welsh countryside.

Published: Low Cost Accommodation for enjoying the countryside.
Authors: Arwel Jones Associates
Date: March 1992
Agency Ref: R3A 204

CCW 19 *Jigso - Partneriaeth mewn Gweithredu Cymunedoll*
A Partnership in Community Action

Jigso, formerly known as the Jigsaw Campaign, was launched in Wales by the Countryside Commission in 1988. The Countryside Council for Wales has subsequently continued its financial support for the campaign in partnership with the Welsh Development Agency, Development Board for Rural Wales, Tai Cymru/Housing for Wales and Wales Tourist Board. Jigso aims to enable and encourage community groups throughout Wales to undertake surveys within their local area, to help them to:

- protect and enhance the environmental quality of their local areas and opportunities to enjoy it;
- describe and better appreciate the culture, traditions and unique characteristics of their locality;
- identify needs in community services;
- inform planners and other decision makers of local feelings and aspirations for their communities.

Published: Jigso - Five Years of Community Action
Author: Dr Liz Hughes
Date: June 1993
Publisher: Rural Surveys Research Unit, Institute of Earth Studies, University of Wales, Aberystwyth.
ISBN: 1-871659-06-X
Price: £7.50

CCW 20 *Water in Our Community*

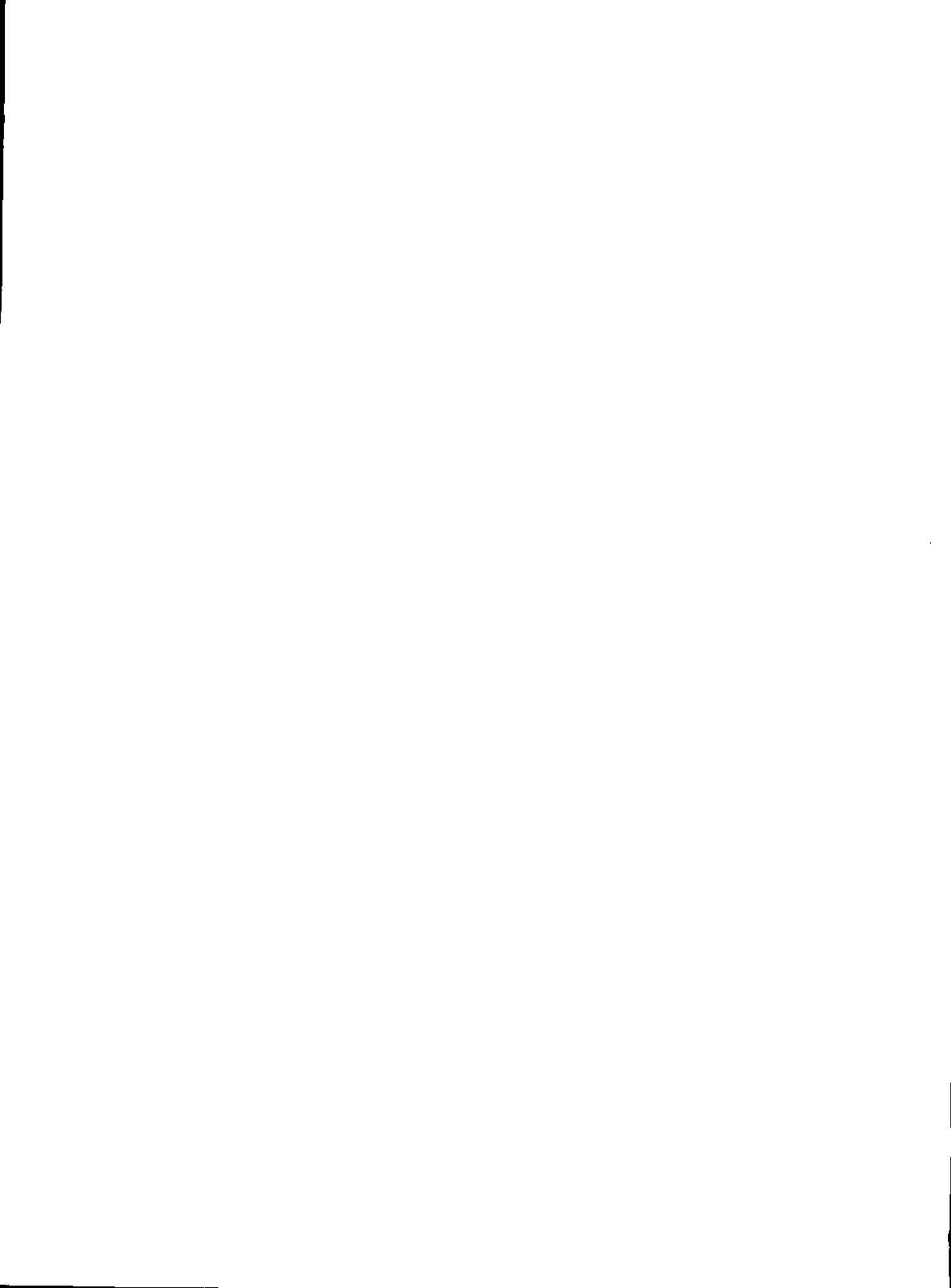
A report of a campaign promoted by CCW with sponsorship from Welsh Water plc and Barclays Bank to encourage community action. The "Water in our Community" campaign offered communities the opportunity to record its appreciation of water, by demonstrating some aspect of how water either has been or is being used, or even how water could be utilised for the community's benefit.

Published: Water in Our Community - Final Report
Authors: Jigso
Date: July 1993
Publisher: Countryside Council for Wales
Price: £10.00

CCW 21 *Horse Riding and Cycling in the Welsh Countryside*

Research to provide the Council with a working knowledge of the nature, main locations and scale of and demand for these two recreational activities in Wales. It recommended ways, whether tested or novel, that the Council might adopt for the provision of cycling and horse riding routes.

Published: Not published but available from CCW on request
Authors: Cobham Resource Consultants
Date: July 1993
Agency Ref: R3A 208



CCW 22 *Devising Networks of Walks and Rides in Wales*

A report which advocates the need for a strategic approach to be adopted for public rights of way work. Comprehensive advice is given to CCW on devising networks of walks and rides which build on partnerships at local and national level.

Published: internal report to CCW. The Council will publish in 1994 an advisory role based on this study.
Authors: Geoffrey Sinclair and Roger Bray
Date: May 1993
Agency Ref: R3B 203

CCW 23 *Quality and Management of Walking Routes*

Research, including visitor and local community interviews, highlighting the need for route categorisation and prioritisation. The report concludes that improvements to the public rights of way system will require careful planning and management of scarce resources.

Published: Internal report for CCW, available on request
Authors: Cobhams Resource Consultants
Date: June 1993
Agency Ref: R3B 202

CCW 24 *Offa's Dyke National Trail - Future Management*

Baseline research to identify aspects of Offa's Dyke path management to be included in future Management Plan and work programme.

Unpublished: available from CCW on request
Authors: Welsh Agricultural College, Aberystwyth
Date: June 1993
Agency Ref: R3B 206

Contact for Research Enquiries:

Recreation, Access & Community Action Branch, Countryside Council for Wales, Plas Penrhos, Ffordd Penrhos, Bangor, Gwynedd LL57 2LQ Tel: 0248 370444

DEPARTMENT OF THE ENVIRONMENT DIRECTORATE OF RURAL AFFAIRS

Introduction

The Department of the Environment sponsors policy related research in 7 programme areas which range from issues of global climate to urban construction. The Countryside Research Programme of the Directorate of Rural Affairs is designed to support Government's policy objectives in the countryside, which include protecting and enhancing the beauty and diversity of the countryside and its wildlife, while also encouraging the growth of a healthy rural economy and improving opportunities for public enjoyment of the countryside.

The programme seeks to ensure that countryside and wildlife policies are based on the best scientific evidence available. The research activities needed to support these policies include monitoring countryside change, assessing and predicting the effects of new policies and practices and producing practical prescriptions for conservation, access and rural development. Much of this programme involves collaboration with a wide range of Government Departments, research councils, statutory conservation agencies and partners in the voluntary sector.

Projects, Publications and Reports

DOE 1 *Ecological Consequences of Land Use Change*

This study reviewed our understanding of recent land use change in Britain and explores some of the different approaches for assessing the ecological consequences. The study considered methods of botanical and zoological field survey, remote sensing, predictive modelling and information systems.

Published: Countryside 1990 Vol 1: Ecological Consequences of Land Use Change
Authors: Bunce R, Howard D, Hallam C, Barr C and Benefield C
Date: 1993
Publisher: DoE
Price: £10.00 available from DoE Publications Sales Unit

DOE 2 *Countryside Survey 1990*

The countryside is changing—but how quickly and in what ways? By combining, for the first time, pioneering techniques in satellite image analysis and detailed ecological field survey Countryside Survey 1990 provides a comprehensive overview of land cover, landscape features and habitats in Great Britain. Changes in land cover and habitats between 1978, 1984 and 1990 are presented.

Published: Countryside 1990 Vol.2: Countryside Survey 1990 Main Report and Countryside Survey 1990 Summary Report
Authors: Barr C, Bunce R, Clarke R, Fuller R, Furse M, Gillespie M, Groom G, Hallam C, Hornung M, Howard D and Ness M
Date: 1993
Publisher: DoE
Price: Main Report £12.00
Summary Report £6.00
Available from DoE Publications Sales Unit



DOE 3 *Bracken Distribution and Management*

Although bracken can provide a habitat for rare butterflies and other insects, it is generally regarded as an invasive weed which causes problems for agriculture, nature conservation, forestry and recreation. This study has determined the area and distribution of bracken and makes predictions about future trends. This study also reviews the impacts on nature conservation, public access and public health. Methods of control are discussed.

Published: Bracken Distribution and Management: Final Report
Authors: Pakeman R, Marrs R and Hill M
Date: 1993
Publisher: Institute of Terrestrial Ecology
Price: Available from ITE Monks Wood

DATABASES

DOE 4 *Countryside Information System*

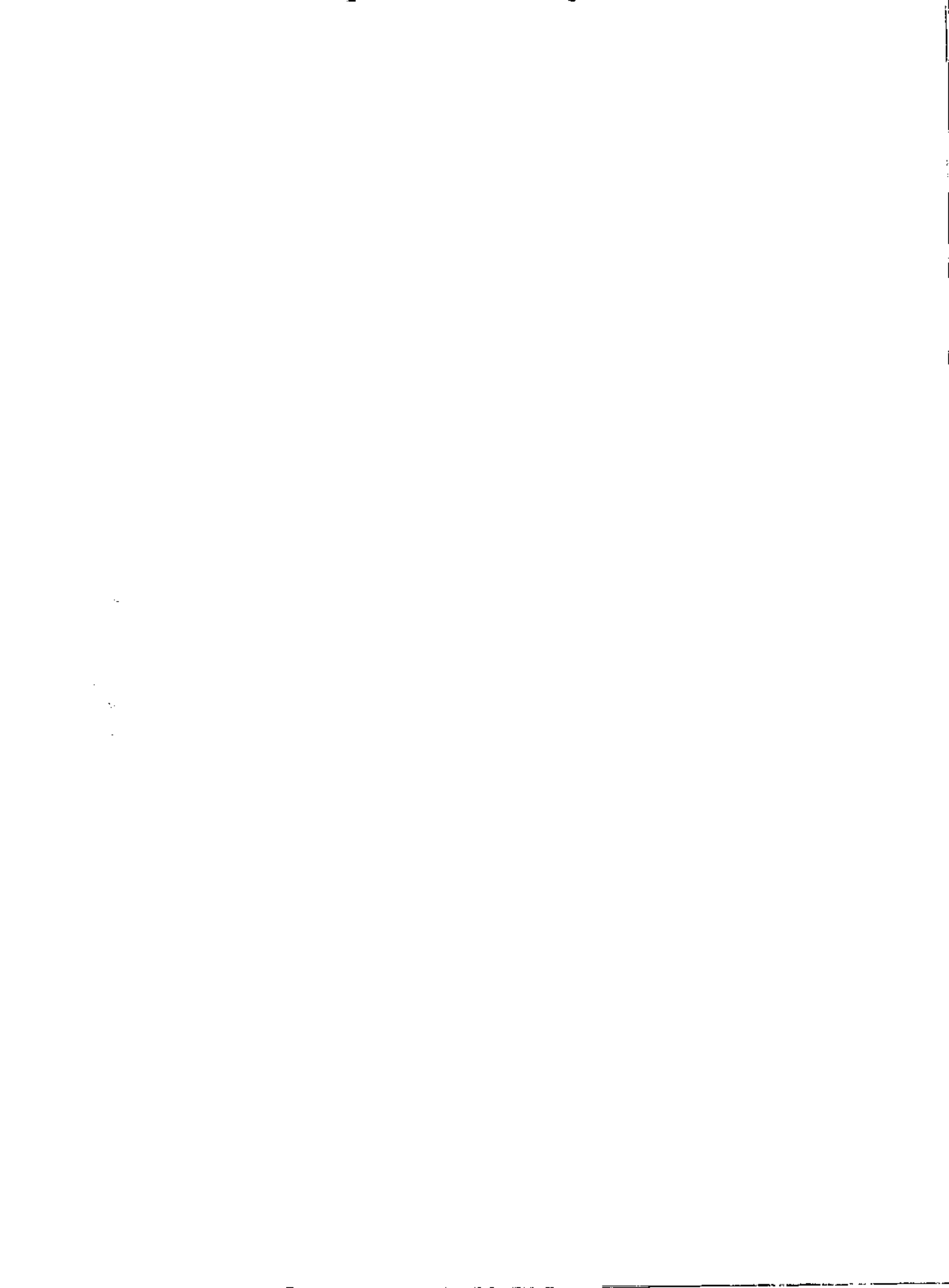
The Countryside Information System (CIS) is designed to provide easy and flexible access to information from Countryside Survey 1990 and related projects. CIS stores, analyses and presents data for each 1 kilometre square of Great Britain. Data on the system include: the ITE Land Cover Map; stock and change of land cover and landscape features 1978, 1984 and 1990; and distribution of national designations.

Geographic Features: 1km squares of Great Britain
Access: Public release due in 1994
Contact: Steve Coffin, DoE, Room 919, Tollgate House, Houlton St., Bristol BS2 9DJ

DOE 5 *National Common Lands GIS Demonstrator*

The National Common Lands Demonstrator is a GIS (PC ARC/VIEW) which contains information about the location, administration and use of common land in England and Wales. This demonstrator project has applications in policy and casework decision support in the DoE.

Geographic Features: England and Wales, digitised at 1:50,000 resolution
Access: Arrangements not formalised
Contact: Ron Bone, DoE, Room 918, Tollgate House, Houlton St., Bristol BS2 9DJ



ENGLISH NATURE

Introduction

Created in 1991, English Nature is continuing the work of the Nature Conservancy Council, but now concentrating on the environment within England's national boundaries. English Nature is charged with the tasks of protecting our environment and the wildlife within it, extending knowledge through research and promoting a greater understanding of the natural world. English Nature is a vital source of expertise and information on nature conservation for anyone who wants to know more about the environment we live in. Perhaps the most obvious aspects of our work are our National Nature Reserves and our Sites of Special Scientific Interest,

Research, Publications and Reports

EN 1 *Corridor Dispersal Review*

Statements have been made suggesting that the maintenance/creation of habitat corridors is important for species movement in a changing climate. A review of evidence for species movement along corridors as well as historical expansions of species together with an analysis of plant and invertebrate metapopulation theory suggested that corridors would be of little help in species expansion. While corridors are important for linking local habitat fragments, species moving across Britain will not be dependent upon them.

Agency Ref: Cc801
Contractor: NERC (ITE)
Agency Contact: Dr A Farmer

EN 2 *Site Management and Climate*

The microclimate of a sward of vegetation is extremely important in determining the invertebrate and plant composition of the habitat. The microclimate is influenced both by the prevailing climate and the sward structure. This project will review these various relationships and then will consider whether, as climate changes, it is possible to alter the sward structure to maintain a necessary microclimate for nature conservation or whether the needed structural alternation would no longer be suitable for the species of interest. Thus, can site management changes ameliorate any of the effects of climate change?

Agency Ref: Cc802
Contractor: Imperial College
Agency Contact: Dr A Farmer

EN 3 *Freshwater Database Development*

A contribution was made to the further development of the GB freshwater database originally set up by the NCC in 1990 and now overseen by SNH. Funding allowed for all outstanding river macrophyte data to be compiled and for the database to be extended so that invertebrate and fish data can now be added.

Agency Ref: CSI805
Contractor: Scottish Natural Heritage
Agency Contact: Dr P Penny



EN 4 *Development of Lowland Heath Database*

English Nature provided a contribution towards this project to collect high quality data on every lowland heath site in southern and eastern England. The site data is held on a computer spreadsheet. The project also mapped every lowland heathland site in the southern and eastern counties. This project will be used to produce county heathland inventories jointly with the RSPB.

Agency Ref: CSI808
Contractor: RSPB
Agency Contact: Dr N Michael

EN 5 *Input of Phase II Woodland Survey Data*

Information on the vegetation types and their extent, as well as variable amounts of other survey data were entered to a newly developed woodland database. About 700 site records were dealt with covering much but not all of England. Trials on the output type and analysis of the data will be carried out to determine the best ways of using and expanding this database.

Agency Ref: CSI810
Contractor: In-house
Agency Contact: K Kirby

EN 6 *Targets for Coastal Habitat Recreation*

This project was designed with the following aims:

1. to quantify the extent of coastal habitats in England;
2. to estimate likely losses of coastal habitat in England over the next twenty years;
3. to identify the likely main causes of loss;
4. to provide quantitative targets for offsetting those losses to achieve a situation of 'no net loss';

The project showed that saltmarshes, intertidal flats and unprotected soft cliffs were all facing substantial losses, especially in the south and east of England. Large scale habitat creation and/or restoration would be needed to compensate for these losses.

Published: "Targets for Coastal Habitat Recreation" English Nature Science Series No. 13
Authors: Pye K & French P W
Date: 1993
Consultants: Cambridge Environmental Research Consultants
Agency Contact: Dr G P Radley

EN 7 *Guidance on the Preparation of a Model Management Plan for Estuaries*

The contract was to provide best practice guidance on ways of initiating, preparing and consulting on estuary management plans together with the scope, content and format of such plans. Existing coastal management plans were reviewed and guidance formulated from an assessment of these, from the contractor's experience of preparing such plans and from the views and experience of key partners.

Agency Ref: Co/Policy
Contractor: Posford Duvivier Environment
Agency Contact: Dr M Vincent



EN 8 *Water Quality Determinands for Estuaries and Coastal Waters*

The contract will supply summary information on a comprehensive list of water quality determinands for the Orwell, Stour, Thames, Taw/Torridge, Ribble and Mersey estuaries together with location details of sewage effluent outfalls and the estimated volume of these.

Agency Ref: Co/Policy
Contractor: Mr S M Barnwell
Agency Contact: Dr M Vincent

EN 9 *Water Quality Criteria—Estuaries*

The contract was to identify the types of water quality determinands that have been measured in 20 selected estuaries and coastal waters over the period 1980-1990. Particular emphasis was placed on nutrients, heavy metals, BoD, dissolved oxygen, turbidity, salinity and DoE "Red List" substances. The work identified the localities at which the parameters were measured, the frequency of monitoring, the timescale of the data run at any location and commented on the shortcomings of the data and its significance. Each estuary or coastal area was dealt with as a separate entity, a map of the area with sampling points identified and the data for each location tabulated in summary form.

Agency Ref: Co/Policy
Contractor: BEC Marine Consultancy Ltd
Agency Contact: Dr M Vincent

EN 10 *Water Quality in Estuaries*

The contract supplemented a previous contract on water quality determinands and coastal waters and provided information on the location of sewage effluent outfalls into 20 estuaries and coastal water locations, and also information on such outfalls into streams and rivers within 10km of their confluence with these estuaries. An assessment of the volume of effluent flowing from these outfalls was provided and, where it was available, information was supplied on the length of sewage pipes below mean low water for each relevant outfall.

Agency Ref: Co/Policy
Contractor: BEC Marine Consultancy Ltd
Agency Contact: Dr M Vincent

EN 11 *Spurn Heritage Coast Project*

Contribution towards the costs of the project in 1992/3 and also for the supply of the reports.

Agency Ref: Co/NE
Contractor: Holderness Borough Council
Agency Contact: D Leach

EN 12 *Site Management Briefs*

This project formed the 'backbone' of the Earth Science Branch's Site Management Brief project aimed at improving site documentation and site management guidance available to both regional staff and earth science specialists. The 1992/3 target for production of SMBs was 380, with SMBs being produced by ESB specialists and some university students, as well as through this project. The year's work produced 284 SMBs, 75% of the year's target, the quality increasing greatly.

Agency Ref: ESS101
Contractor: In-house
Agency Contact: Dr C Prosser



EN 13 *River Catchment Planning Methodology*

Production of a discussion paper to develop the concept of catchment planning to provide maximum benefits for nature conservation. Extending catchment management beyond the powers of the National Rivers Authority and involving other statutory bodies and interest groups.

Agency Ref: Fr/Policy
Contractor: Land Use Consultants
Agency Contact: D Withrington

EN 14 *Lancaster Canal Survey (Phase 1)*

The botanical interest of the canal occurs throughout, and is not confined to discrete areas. It is all worthy consideration as a SSSI, and a full EIA should be carried out before any of the mooted engineering works are contemplated. A balance needs to be struck between this interest, and the needs of recreational boat traffic.

Agency Ref: Fr/NW
Contractor: Dr M Bignall
Agency Contact: J W Hickling

EN 15 *Market Research (Countryside Stewardship)—Hereford & Worcester Grasslands*

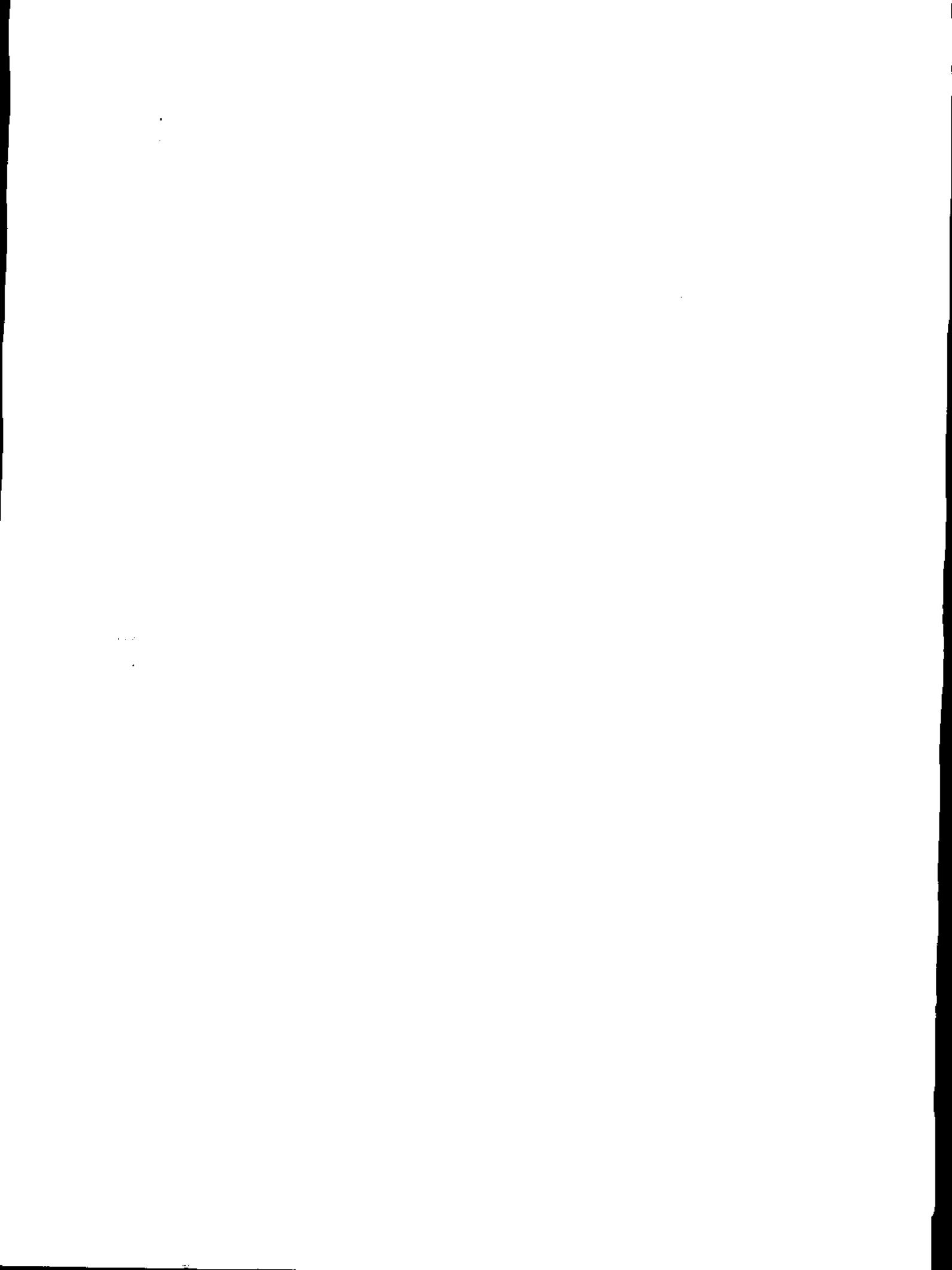
ADAS were commissioned by the Countryside Commission and English Nature to carry out research into the ownership and management of Worcestershire's semi-natural neutral grassland resource. A total of 57 owners and managers were included in the study, representing management control of 110 fields with a total area of 245ha. Only 35% of the semi-natural grassland in the study was found to be under a management system likely to maintain its nature conservation interest. Horse grazing management was the most serious threat to the survival of the grasslands. Managers aged over 60 own 46% of the grassland and so a significant area may change ownership within the next 10 years. Full time farmers own 29% of the grassland. The project has been used to inform targeting of the Countryside Stewardship Scheme.

Agency Ref: Gr/WM
Contractor: Countryside Commission
Agency Contact: J H Marsden

EN 16 *Biological Survey of Common Land*

The aim of this project, started in 1987, is to provide, on a county by county basis, information about the nature conservation importance of commons. A large proportion of all common land has escaped the worst effects of intensive agriculture and is nationally very important reservoir of wildlife. Only a small proportion of common land occurs within SSSIs or other protected sites and whilst in the lowlands common land is often neglected and becoming overgrown by scrub and woodland, in the uplands many commons are overgrazed and are losing their heather. It is intended that the results of this project will be used to develop better management regimes on such sites.

Agency Ref: GSM305
Contractor: University of Wales
Agency Contact: Dr R Jefferson



EN 17 *Conservation Issues in Strategic Plans*

A project to describe to regional planners and structure planning authorities the ways to address all conservation issues in the strategic (ie. broad geographical) level of development planning. This was a joint project between English Nature, English Heritage and the Countryside Commission and addresses in particular the question of sustainability at this level of planning.

Agency Ref: GSM/Policy
Contractor: Countryside Commission
*Agency Contact:*G Culley

EN 18 *Local Authorities Handbook Update*

To carry out an updating exercise on the Local Authorities Handbook to reflect changes in legislation advice and procedures, mainly in development planning and control systems.

Agency Ref: GSM/Policy
Contractor: David Tyldesley & Associates
*Agency Contact:*G Culley

EN 19 *Planning Advice Project*

Second year of a contract to provide ad hoc advice on casework issues involving Town & Country Planning legislation.

Agency Ref: GSM/Policy
Contractor: David Tyldesley & Associates
*Agency Contact:*G Culley

EN 20 *Local Authorities Training Pack*

To provide two sets of training material:

1. Internal—a set of 26 guidance notes on specific aspects of local authority work affecting nature conservation, for use by English Nature staff as aide memoir material, supplementing and referring to the more detailed guidance in the Local Authorities Handbook.
2. External-detailed 'training' material for use in a variety of fora—meetings, conferences, seminars—to inform local authority officers and members about the work they can do to protect and enhance the natural environment. Material consists of written guidance, hand-outs, overheads and slides.

Agency Ref: GSM/Policy
Contractor: David Tyldesley & Associates
*Agency Contact:*G Culley



EN 21 *Economic Benefits of Nature Conservation*

A joint project undertaken with the Countryside Council for Wales and the Countryside Commission, led by CCW. The study looks at the contribution made directly to economic activity by landscape and nature conservation. For instance: the attraction of visitors leading to their expenditure in an area; employment of people to deliver nature conservation/landscape conservation; stimulation of activity through grants and management agreements.

Agency Ref: GSM/Policy
Contractor: CEAS Consultants
Agency Contact: J Heap

EN 22 *NA/UK Countryside Exchange Event*

The exchange was originally run in 1987 involving the Countryside Commission, the US National Park Service and three other US bodies. Since then, an exchange has been held every two years alternating between the US and Canada and the UK. It now involves 6 UK bodies—English Nature, SNH, CCW, Countryside Commission, the Rural Development Commission and English Heritage. The exchange involves project teams comprised of four North American and four UK experts who visit a particular part of the country and offer advice on a topical issue, usually involving conservation and development. The exchange:

- provides good training and development opportunities for the team members;
- provides good training and development opportunities for local staff who become involved in the local exchange project;
- offers detached advice on local problems.

Agency Ref: GSM/Policy
Contractor: Countryside Commission
Agency Contact: Dr L Batten

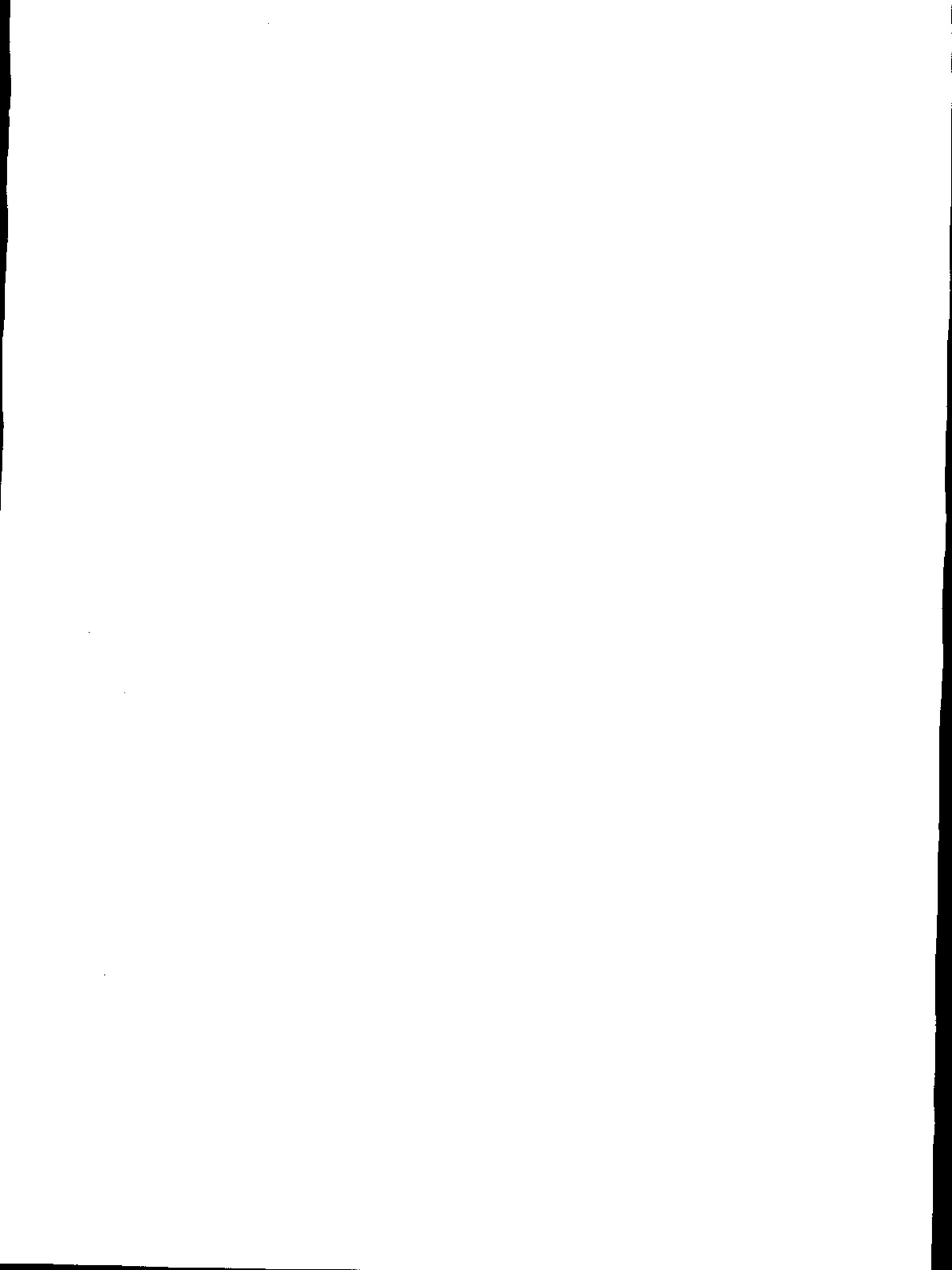
EN 23 *Guidance on the Provision of Advice in Response to Local Consultations*

The contract was to consider the requirements of local public authorities who consult English Nature for advice and whether the service provided is appropriate in terms of speed, quality and efficiency. The contractors analysed the results of interviews with key staff of public authorities and of English Nature and formulated recommendations on procedures, information needs and training needs within English Nature.

Agency Ref: GSM/Policy
Contractors: Halcrow Fox & Associates
Agency Contact: M Vincent

Contact for Research Enquiries:

English Nature, Northminster House, Peterborough PE1 1UA Tel. 0733 340345



FORESTRY COMMISSION

Introduction

The Commission promotes good practice in multi-purpose forestry—in the industry as a whole and in the national forest estate—to realise the environmental, social and economic benefits of forestry.

From April 1992, these roles have been clearly allocated to the constituent parts of the Commission. Promotion of standards across the industry as a whole and associated activities such as research, training, the provision of incentives and regulatory functions are the concern of the Forestry Authority. Forest Enterprise is responsible for the management of the national forest estate. A small Policy and Resources Group at Headquarters provides both Authority and Enterprise with support in policy formulation for the Commission.

Much of the Commission's research interest is focused on the ecology of the forest environment and on forest science. In addition, in recent years a body of work has also been building up in forest economics concerned with the values and non-market benefits associated with visiting the forest. Projects have been selected on the basis of relevance to CRN agencies; the 1993 report on forest research, due to be published in April 1994, details the full research programme.

The traditional research report is now often complemented and sometimes replaced by the direct inclusion of new methods and techniques in management guidelines. This approach is favoured for more direct and speedier technology transfer. In some instances the best way to ensure early availability of results, sometimes interim, is through the publication of Research Information Notes which are crisp and brief summaries without frills.

Projects, Publications and Reports

FC 1 *Community Woodlands Cost-benefit Analysis*

Work carried out by the Forestry Commission has now been accepted by Treasury and DoE as a reasonable foundation for appraising these ventures. The results for the first 3 forests are now printed as an internal FC report available to other Government agencies, and a shorter version will be published in Forestry. Work has started on the appraisal of the next 9 forests.

In preparation The Costs and Benefits of planting Community Forests: Forest of Mercia, Thames Chase, and Great North Forest
Author: Adrian Whiteman
Date: Expected
Publisher: Forestry Commission
Price: £10.00 colour
 £5.00 black and white

FC 2 *Attitudes of Owners and Managers to People Visiting Woodlands*

A draft final report has been received and is being considered by the Forestry Commission. The study looked at attitudes in 5 different areas of England. Each study area comprised the area within a 10 mile radius of centres:

Aston-juxta-Mondrum, near Crewe; Stratford-upon-Avon; Biggleswade, near Bedford; Haywards Heath, Sussex; and Congresbury, near Bristol.

The work followed a pilot study carried out in 1992, centred on Oxford.

In preparation: Attitudes of owners and managers to people visiting woodlands
Authors: J D Sime, G M Speller and C Dibben
Publisher: Forestry Commission

FC 3***Value of Biodiversity in British Forests***

The Forestry Commission has set up an interdisciplinary group to study the effects of forest management practices on biodiversity and devise safe minimum standards for biodiversity in managed forests. In parallel to this, 2 studies were commissioned, one from ERM Ltd and one from Stirling University, on techniques for valuing biodiversity. The conclusions from this will be taken forward in a programme of economic research in the next financial year. It is likely that other agencies will be collaborating with the Forestry Commission in this area.

Published: The Value of Biodiversity in British Forests
Authors: N D Harley and C L Spash
Date: May 1993
Publisher: Forestry Commission
Price: £2.00

Published: The Value of Biodiversity in UK Forests
Author: ERM Ltd
Date: July 1993
Publisher: Forestry Commission
Price: £5.00

FC 4***The Effect of Woodland on Farm and Estate Values***

A draft final report of this study is now available, which examines the influence of woodland areas on property values. The conclusions from this will be used to see how much further the Forestry Commission can get with hedonic price modelling of forestry non-market benefits.

In preparation: The Effect of Woodlands on Farm Property Values
Author: John Clegg & Co
Date: Expected April 1994
Publisher: Forestry Commission
Price: £5.00

FC 5***Landscape Preferences in Community Forests***

As part of its ongoing research into community forests, the Forestry Commission currently has underway a landscape preference study in the Red Rose Forest. This will be used to assess people's preferred levels of woodland cover in different landscape settings and try to estimate the value they place on the preferred outcomes.

In preparation: Landscape Preferences in Community Forests
Author: Adrian Whiteman
Date: Expected April 1994
Publisher: Forestry Commission

FC 6***Vegetation Management***

A series of projects under this banner have been under way for a number of years. Projects in the uplands range from work on the management of birch in upland conifer forests, encouraging thinning to diversify understorey vegetation and varied native vegetation on edges and in unplanted areas, for example heather and juniper in the uplands and wild flowers on woodland rides. Another project is the design of new woodlands to encourage native plant communities.

Published: The Value of Birch in Upland Forests for Wildlife Conservation
Author: Gordon Patterson
Date: May 1993
Publisher: HMSO
ISBN: 0-11-710316-0
Price: £5.95
Agency Ref: FC Bulletin 109

Published: Creating New Native Woodlands
Authors: John Rodwell and Gordon Patterson
Date: February 1994
Publisher: HMSO
ISBN: 0-11-710320-9
Price: £8.95
Agency Ref: FC Bulletin 112

FC 7***Monitoring Aquatic Invertebrates***

Published: Invertebrate Animals as Indicators of Acidity in Upland Streams
Authors: Gordon Patterson and Brian Morrison
Date: April 1993
Publisher: HMSO
ISBN: 0-11-710317-9
Price: £11.95
Agency Ref: Field Book No 13

FC 8***Report on Forest Research***

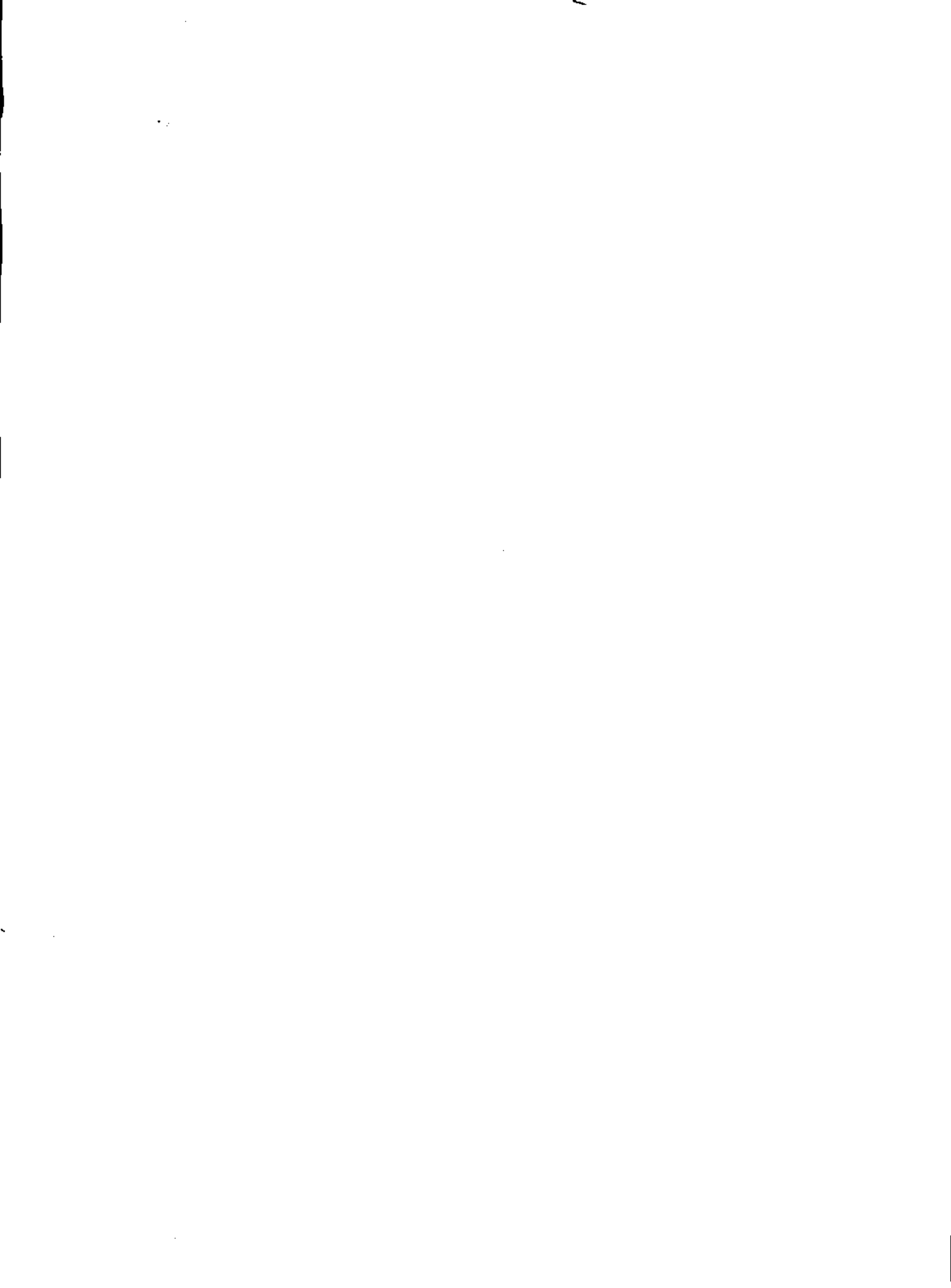
A complete report on the research carried out by the Forestry Commission, the work of the individual Branches and highlighted projects.

In preparation: Report on forest research, 1993
Author: Forestry Commission
Date: Expected April 1994
Publisher: HMSO

FC 9***Forests and Water***

Revised to include the latest thinking on critical loads, this is the 3rd Edition. The original guidelines were prepared following the water workshop organised by the Forestry Commission and the Water Research Centre at York in 1986.

Published: Forests and Water Guidelines
Author: Forestry Commission
Date: 1993
Publisher: HMSO
ISBN: 0-11-710321-7
Price: £5.95



FC 10***Forests and Archaeology***

Work is currently underway to summarise the principles and practice in the treatment of archaeology in the management of woods and forests.

Joint work mostly with Historic Scotland, but also Cadw and English Heritage, will produce "Upland Archaeology", a guide to the wide range of archaeology in upland Britain. The purpose of the guide is to assist land managers in recognising archaeology which may be in their care. The guide will also provide anyone interested with information which will allow them to read the landscape and understand more about past land use.

In preparation: Forests and Archaeology Guidelines
Author: Forestry Commission
Date: Expected, 1994
Publisher: HMSO

In preparation: Upland Archaeology
Authors: Forestry Commission and Historic Scotland
Date: Expected, 1994
Publisher: HMSO

FC 11***Forests, Woodlands and People's Preferences***

The aim of the project was to reveal people's attitudes and preferences for forests and woodlands, as components of the landscape and as places to explore and enjoy being in. The study involved the use of focus groups in 4 different areas of Britain, household survey in 4 different areas, a survey of visitors to 3 forest visitor centres and a study of how forest landscape architects assess the landscape. The project was jointly sponsored by Countryside Commission, Countryside Commission for Scotland (now Scottish Natural Heritage) and Forestry Commission.

In Preparation: Forests, woodlands and people's preferences
Authors: Professor Terence R Lee et al
Date: Expected 1994
Publisher: Forestry Commission

FC 12***Forest Visitor Numbers***

This note describes the techniques that have been used by the Forestry Commission to estimate forest visitor numbers during the period 1987-1991. It discusses the difficulties with trying to calculate visitor numbers from household surveys, gives an indication of the visitor numbers to forests, and suggests further work that is either proposed or underway in this area.

Published: Using household surveys to estimate forest visitor numbers
Author: Adrian Whiteman
Date: 1993
Publisher: Forestry Commission
Price: Free
Agency Ref: Research Information Note 237



DATABASES

FC 13 *Forestry Commission Subcompartment Database*

Contains crop and site details of land, (eg SSSI, Scheduled Ancient Monuments, AONB), and also details of FC picnic sites and designated car parks. Annually updated.

Geographic

Features: Based on Forest Subcompartments

Access: Restricted to information which is not commercial, tape or disc.

Price: Dependent on volume and nature of material

FC 14 *Forest Recreation Database*

The Forestry Commission is building up a database of recreational facilities.

FC 15 *Various*

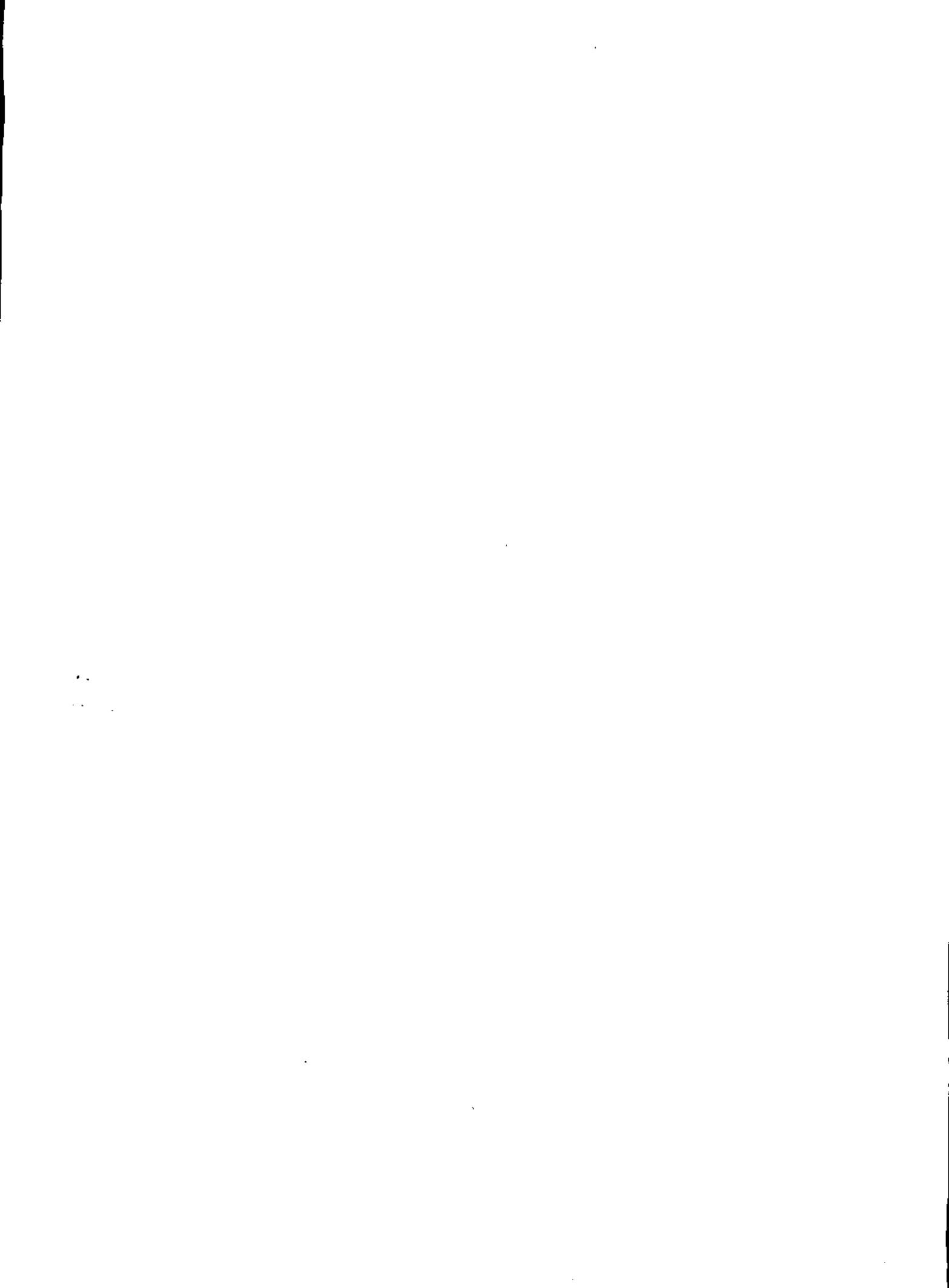
Many of the Research Branches have their own databases which are currently being restructured on a common operating language. Scientists with an interest in this area are likely to know how to gain access to this information. Enquiries may be made however through the Forest Research Station at Alice Holt Lodge, Wrecclesham, Nr Farnham, Surrey GU10 4LH.

Contact for Research Enquiries:

Richard Broadhurst, Senior Recreation Officer, Forestry Authority, 231 Corstorphine Road, Edinburgh EH12 7AT Tel: 031 334 0303

Contact for Database Enquiries:

Bob Selmes, Forestry Commission, 231 Corstorphine Road, Edinburgh EH12 7AT Tel: 031 334 0303



NATIONAL RIVERS AUTHORITY

Introduction

The National Rivers Authority's role is to protect, improve and manage the water environment throughout England and Wales. It has duties relating to Recreation and Conservation and is a navigation authority for 600km of inland rivers.

NRA's Recreation duties are:

- improving and promoting recreation in its own operational and regulatory activities;
- developing the amenity and recreational potential of waters and lands under NRA control;
- promoting the use of water and associated land for recreational purposes by liaising and co-operating with others.

Conservation duties include:

- furthering the conservation and enhancement of natural beauty and the conservation of flora, fauna and geological and physiographical features of special interest;
- protecting and conserving buildings, sites and objects of archaeological, architectural and historic interest.

Research and development is undertaken by the NRA to underpin the policy and operational needs of all of the functions.

The details of projects which relate directly to recreation are provided. However many other projects undertaken for other functions such as Water Quality, will be of indirect relevance to recreation. Further details of the NRA's complete R&D programme are available from NRA Head Office.

Projects, Publications and Reports

NRA 1 *Bank Erosion on Navigable Waterways*

A study based on the results of field observations which considers the extent and cause of bank erosion on navigable rivers. It provides a methodology for analysing and identifying the causes of bank erosion and selecting an appropriate solution. The solutions range from management of the bank to hard-engineering

Published: Bank Erosion on Navigable Waterways.
Authors: University of Nottingham, Doornkamp J.C., Thorne C.R., Reed S.
Date: 1993
Publisher: NRA
Price: Project Record, R&D Note - £5.00
Agency Ref: R&D Project 336

NRA 2 *Impact of Recreation on Wildlife*

To assess how and to what extent recreational activities impact upon wildlife using a series of case studies the extent and range of impacts are considered and management techniques to mitigate against impact are proposed.

Published: Impact of Recreation on Wildlife
Authors: Land Use Consultants
Date: 1993/94
Publisher: NRA
Agency Ref: R&D Project 498



NRA 3 *Water-Related Recreation: Trends And Issues*

A review of existing published and unpublished data about water-related recreation. The study provides strategic database about participation levels, trends and issues for a variety of waterborne and water related recreation.

Published: Water related Recreation: Participation, Trends and Issues
Authors: Loughborough University, Glyptis S.
Date: 1993
Publisher: NRA
Price: £5.00

NRA 4 *Socio-Economic Review of Angling*

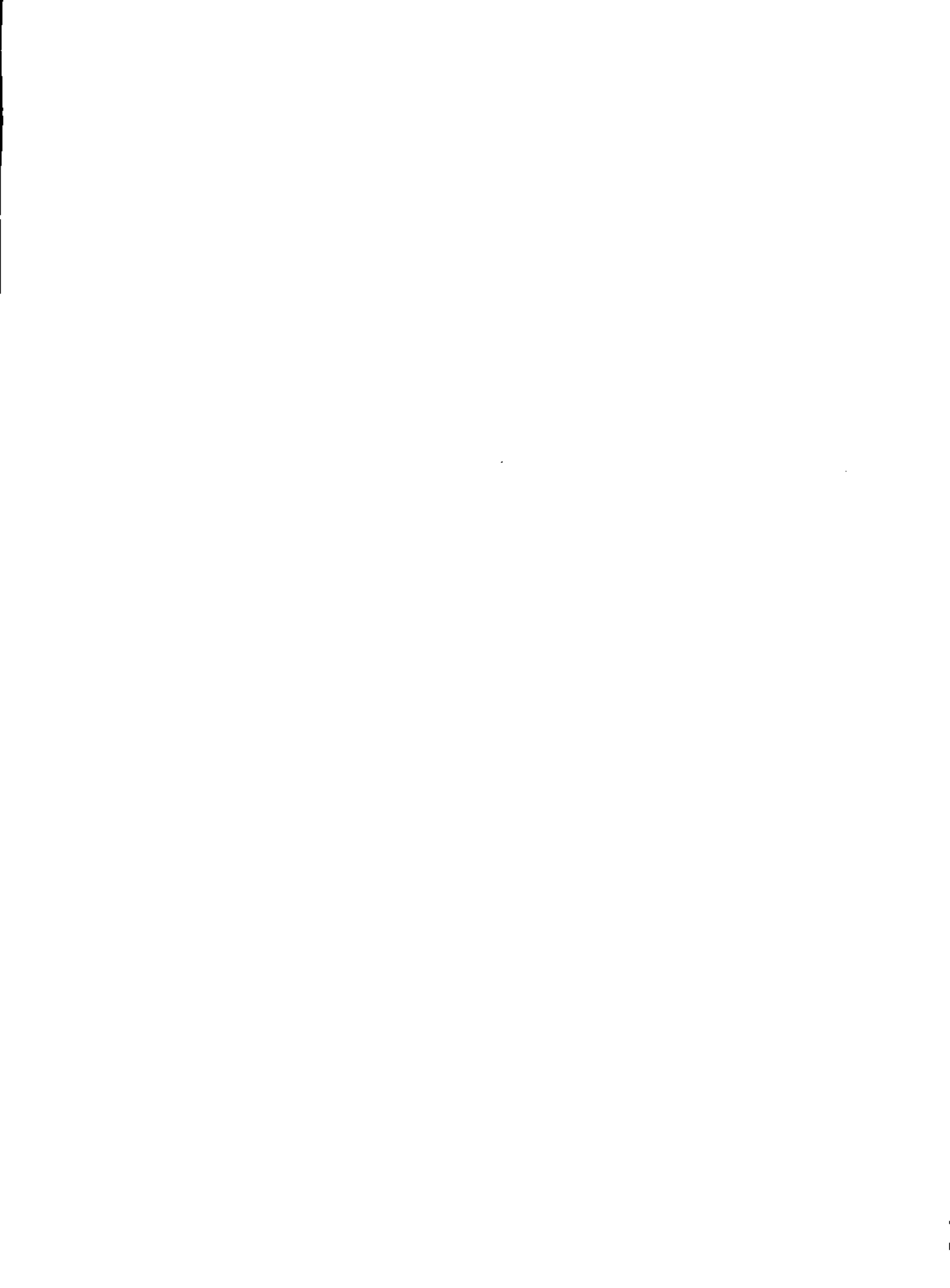
To assess the current status of angling in England and Wales. The study determines the number of anglers by type (e.g. coarse), age, sex and distribution. It also considers angling habits (e.g. types of water fished, frequency, and spend).

Published: Socio-Economic Review of Angling
Authors: NOP
Date: 1993/94
Publisher: NRA
Agency Ref: R&D project 501

Contact for Research Enquiries:

Mervyn Bramley, Head of R&D, NRA, Rivers House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12 4UD, Tel 0454 624400, Fax 0454 624409

Craig McGarvey, Recreation and Navigation Commission Topic Leader, NRA, Rivers House, Waterside Drive, Aztec West, Almondsbury, Bristol, BS12 4UD, Tel 0454 624400, Fax 0454 624409.



NATURAL ENVIRONMENT RESEARCH COUNCIL

Introduction

The Institute of Terrestrial Ecology, as a component Institute of NERC, continues to develop research to improve our basic understanding of the ecology of organisms and systems, and to apply this understanding to assess the actual and potential impact of human activity on our natural resources. Collaboration between the northern and southern stations of ITE remains an important principle in developing a concerted approach to ecological research. The publication of the NERC Strategy for Terrestrial and Freshwater Sciences ('The Green Light' - March 1989) has clearly identified the main research thrusts and the continuing emphasis on financing of research.

Although there is no specific programme of research directly focused on recreation, many of ITE projects are concerned with recreation management, eg. effects of ski lifts, footpath rehabilitation, or with land use change, and with species of wildlife which are the focus of recreation. With the increasing change in land use, including recreation, an important priority area is in assessing actual and potential change in land use and in its ecological consequences. A developing aspect is on the potential effects of predicted climate change on land use and ecology.

Projects, Publications and Reports

NERC 1 *Erosion Control Study*

A combination of field trials, experiments and information review to improve management of erosion at recreational sites in the uplands.

Published: Managing the impacts of recreation on vegetation and soils: a review of techniques
Authors: Bayfield N G, Aitken R (ITE Banchory)
Date: 1992
Agency Ref: TO2050v1
Publisher: Contract report to Countryside Commission, Scottish Natural Heritage, English Nature, Countryside Council for Wales

NERC 2 *Remote Sensing of Soil and Vegetation Moisture*

To develop techniques of remote sensing to improve hydrological monitoring systems. This in turn will improve water management.

Not yet Published
Authors: Blyth K (NERC Institute of Hydrology)
Date: 1991
Agency Ref: T06055c2

NERC 3 *Recreation and Red Deer*

To review the effects of disturbance on red deer from recreation in terms of physiological stress, behaviour and the impact on estate economies.

Published: "Recreation and Red Deer: a preliminary review of the issues"
Authors: Staines B W, Scott A D (ITE Banchory)
Date: 1992
Agency Ref: T08073o1
Publisher: Contract report to Scottish Natural Heritage

SCOTTISH NATURAL HERITAGE

Introduction

Scottish Natural Heritage was created in April 1992 by the merger of the Nature Conservancy Council for Scotland and the Countryside Commission for Scotland. SNH's prime functions are to promote the conservation, enjoyment and understanding of Scotland's natural heritage. We define the natural heritage as including wild plants and animals, the rocks and physical features as well as the natural beauty and amenity of land and water. These elements combine with the wildness and the managed features in the landscape to create a countryside of great variety and quality, which is of high value for enjoyment by the residents of Scotland and visitors from elsewhere. SNH's specific aims are to:

- safeguard and enhance Scotland's natural heritage, particularly its genetic and scenic diversity;
- foster awareness and understanding of the natural heritage;
- encourage enjoyment of the natural heritage and promote responsible public access to it in a way that does not damage it;
- engage public support and harness voluntary effort for the benefit of the environment;
- encourage environmental sustainability in all forms of economic development.

Projects, Publications and Reports

SNH 1 *Public Access to the Countryside*

A report prepared in conjunction with the Convention of Scottish Local Authorities which explains the law, describes procedures and gives guidance on practice pertaining to access to Scotland's countryside.

Published: Public Access to the Countryside: a Guide to the Law, Practice and Procedure in Scotland
Author: Rowan Robinson J with Gordon W and Reid C
Publisher: SNH in association with the Convention of Scottish Local Authorities
Date: October 1993
Price: £7.50

SNH 2 *Investment in the Management of Access*

An overview of investment in the provision and management of informal countryside recreation and access in Scotland, 1990/91, as part of SNH's Access Review

Published: A Review of Investment in Countryside Recreation Access
Author: Scott P, Peter Scott Planning Services
Date: May 1994
Publisher: SNH
Price: £5.00

Database

NERC 4	<i>Countryside Information System</i>
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<i>Description:</i>	Land cover plus ecological data from the 1990 Countryside Survey.
<i>Geographic</i>	
<i>Features:</i>	National landcover plus additional data eg. roads, county boundaries etc.
<i>Access:</i>	PC Windows
<i>Contact:</i>	S Wallis (ITE Monkswood)

Contact for Research Enquiries:

Dr Les Firbank, Institute of Terrestrial Ecology, Monkswood Research Station, Abbots Ripton, Huntingdon, Cambs. PE17 2LS



SNH 3 *Review of Rights of Way Procedures*

A review of the statute and common law and of current practice relating to rights of way procedures carried out in 1991 as part of SNH's Access Review.

Published: Review of Rights of Way Procedures, Review No. 9
Author: Rowan-Robinson J
Date: March 1994
Publisher: SNH
Price: £5.00

SNH 4 *Footpaths and Access in Scotland's Countryside*

An assessment of the extent and condition of the network of access routes in eight study areas around Scotland including an appraisal of users and landowners' view. The research was carried out in 1991 as part of SNH's Access Review.

Published: Footpaths and Access in Scotland's Countryside: Research, Survey and Monitoring Report No. 2
Authors: Scott P, Peter Scott Planning Services
Date: March 1994
Publisher: SNH
Price: £7.50 (free summary)

SNH 5 *Enjoying the Outdoors*

A summary of responses received by SNH following publication in 1992 of "Enjoying the Outdoors: a Consultation Paper" on access to the countryside for enjoyment and understanding.

Published: Enjoying the Outdoors: a summary report on responses to the consultation paper
Author: Brown R
Date: February 1994
Publisher: SNH
ISBN: 1-85397 055-7

SNH 6 *Visitor Monitoring Training Manual*

An information and training manual detailing a wide range of visitor monitoring techniques and issues including visitor counting and questionnaire survey.

Published: Visitor Monitoring Training Manual
Authors: Centre for Leisure Research/SNH
Date: July 1993
Publisher: SNH
ISBN: 1-85397-044-1
Price: £10.00



SNH 7 *Effects of Recreation on the Natural Heritage*

A review of current research on the impacts of open-air recreation and sport on the natural heritage, an identification of gaps in research and recommendations as to the future direction of work of this kind.

Published: Recreation and the Natural Heritage: a research review
Author: Sidaway R
Date: April 1994
Publisher: SNH in association with the Scottish Sports Council

SNH 8 *Visitor Centres*

An advisory document detailing the planning, development and management considerations relevant to all forms of countryside visitor centre.

Published: Visitor Centres: successful planning, design and running
Author: Centre for Environmental Interpretation
Date: May 1994
Publisher: SNH

SNH 9 *Recreation and Red Deer*

A preliminary review of the factors involved in the disturbance of red deer by public recreation, an assessment of the severity of the problem and a consideration of the implications for management.

Published: Recreation and Red Deer—a preliminary review of the issues
Author: Staines B, ITE
Date: May 1994
Publisher: SNH

SNH 10 *Local Government Re-organisation: implications for recreation and access*

A report which reviews current statutory duties and powers of local authorities, audits resources including staff, facilities and existing policies and identifies the implications and opportunities relating to open-air recreation and access which may result from re-organisation.

Unpublished final report: Local Government Re-Organisation: implications for recreation and access
Authors: Cobham Resource Consultants
Date: March 1994

SNH 11 *Scottish Public Perception and Attitudes Towards
Environmental Issues*

A pilot survey to establish a methodology to test public attitudes to the full range of issues relevant to SNH's remit.

Unpublished

final report: Monitoring Scottish Public Perception and Attitudes Towards Environmental Issues
Authors: Market Research Scotland
Date: March 1994

SNH 12 *UK Day Visits Survey 1993*

A joint project between SNH, CoCo, CCW, FC, BW, STB, WTB & DNH

Published: UK Day Visits Survey 1993
Authors: Centre for Leisure Research
Date: February 1994
Publisher: Countryside Recreation Network

Contact for Research Enquiries:

Richard Davison, Recreation & Access Branch, Scottish Natural Heritage, 2 Anderson Place,
Edinburgh EH6 5NP Tel. 031 446 2467

Contact for Priced Publications:

David Anderson, Publications Section, Scottish Natural Heritage, Battleby, Redgorton, Perth
PH1 3EW Tel. 0738 27921

SCOTTISH OFFICE ENVIRONMENT DEPARTMENT

Introduction

The Scottish Office Environment Department is the Government Department responsible for all aspects of development, land use planning, and co-ordination of policies on rural and environmental issues in Scotland.

The Rural Affairs Research Programme and the Planning Research Programme cover a wide range of research relating to rural land use topics. The main purpose of the research is to provide information to the Department to assist in policy formulation, monitoring and evaluation and is designed to complement research sponsored by other agencies in Scotland and other Scottish and UK Departments.

Projects, Publications and Reports

SOEnD 1 *Land Cover of Scotland 1988 Dataset*

This digital dataset is the first detailed inventory of the existing land cover of Scotland. It was produced from information interpreted from aerial photographs and covers the whole of Scotland at a baseline scale of 1:25,000. It comprises 126 separate land cover classes including woodland and agricultural land.

Published: The Land Cover of Scotland 1988 Executive Summary (includes Regional statistics) (A fuller report including technical details is available with the Dataset, which can be leased in whole or part from the Macaulay Land Use Research Institute).
Authors: Macaulay Land Use Research Institute
Date: 1993
Publisher: Macaulay Land Use Research Institute, Craigiebuckler, Aberdeen, AB9 2QJ.
ISBN: 0-7084-0538-X
Price: On application for the Dataset

SOEnD 2 *The Measurement and Analysis of Land Cover Changes in Part of the Central Valley*

Data from the 1988 Land Cover of Scotland project was compared with interpreted historic photographic material from 20 and 40 years before to provide this analysis of land cover change. In this case study area the extent and pattern of urbanisation since WW2 is clearly demonstrated together with other interactions between agriculture, forestry, conservation and development.

Published: The Measurement and Analysis of Land Cover Changes in Part of The Central Valley of Scotland
Authors: F T Dry, A G Richman, J A Hipkin, D R Miller
Date: 1992
Publisher: Macaulay Land Use Research Institute, Craigiebuckler, Aberdeen, AB9 2QJ.
ISBN: 0-7084-0515-0
Price: £25.00



SOEnD 3 *Pounds, Policies and Prospects - Rural Scotland and the EC*

This report details the ways in which the EC impacts on rural Scotland through spending, policies and legislation, and identifies the main changes in EC policies which will lead to potential future opportunities and threats.

Published: Pounds, Policies and Prospects - Rural Scotland and the EC
Authors: John Bryden with Andrew Copus, Richard Kelly, Zelig Appleton and Stuart Black
Date: 1993
Publisher: Scottish Office (Rural Framework Series)
Price: £7.50

SOEnD 4 *Review of Scottish Coastal Issues*

A stock-taking exercise was commissioned to assess the range of issues currently affecting the Scottish coastal zone. The work includes a summary of relevant legislation and key agents, together with an inventory of existing coastal initiatives and management arrangements in Scotland.

Published: A Review of Scottish Coastal Issues (internal report)
Authors: Dr Peter Burbridge, Dr Veronica Burbridge
Date: 1993

Contact for Research Enquiries:

Diana Wilkinson, Principal Research Officer, Scottish Office Environment Dept., Room 546, New St Andrews House, Edinburgh EH1 3SZ Tel. 031 556 8400

SCOTTISH TOURIST BOARD

Introduction

The Scottish Tourist Board (STB) was established by the 1969 Development of Tourism Act. Overseas marketing powers were granted to the STB by the 1984 Overseas Promotion (Scotland) Act. The aim of the STB is to develop and promote tourism to and within Scotland. Further details of STB's aims are set out in "A Prospect for Prosperity", and in the Board's 1992 Annual Report. In late 1992 the Scottish Office announced a review of the structure of the public sector tourism industry in Scotland, and has asked for comments to be submitted by January 1993. The outcome of the review announced in June 1993 resulted in a strengthening of the Board with responsibility for the co-ordination of a National Strategic plan for the Scottish tourism industry. STB's marketing powers and Area Tourist Board liaison were also increased, however, capital assistance was phased out.

Projects, Publications and Reports

STB 1 *Overseas Visitor Survey*

This report examines the frequency participation rates of about 20 recreation activities undertaken by overseas visitors to Scotland.

Published: Overseas Visitors Holiday Activities
Author: STB
Date: 1991
Price: Free

STB 2 *National Trust for Scotland*

National Trust for Scotland (NTS) properties are some of Scotland's most important tourist attractions and as such, are promoted by the STB. NTS commissioned Survey Research Associates to conduct a visitor survey at nine of these properties, and the STB and CCS co-sponsored this study. The properties surveyed are Culzean Castle, Crathes Castle, Inverewe Gardens, Threave Garden, House of Dun, Falkland Place, and Bannockburn, Ben Lawryes and Glencoe Visitor centres. This research provides useful profile information on the characteristics of visitors to these attractions.

Published: National Trust for Scotland Visitor Survey
Authors: Survey Research Associates
Date: 1992

STB 3 *North Sea Ferries Passenger Survey*

Over the last few years, STB has been working very closely with North Sea Ferries (NSF) in developing tourism from Europe to Scotland via its Rotterdam/Zeebrugge to Hull routes. STB and NSF have jointly commissioned the Netherlands Centre for Tourism and Traffic (DTV) to conduct a survey of passengers using ferries. STB is keen to monitor the effectiveness of its involvement with NSF and the information obtained will give an indication of the volume, value and characteristics of European visitors to Scotland using these routes. Survey work ran from February 1991 to January 1992.

Published: North Sea Ferries Passenger Survey
Authors: Netherlands Centre for Tourism and Traffic
Date: 1992

STB 4 *Edinburgh Festivals Study 1990 - 1991*

The nine Edinburgh festivals which takes place each year are some of Scotland's most important attractions. Research has been undertaken at all of the festivals during 1990 and 1991 to evaluate their economic impact in terms of income and employment generation, and to obtain visitor profile information about each festival's audience. The study was commissioned by STB, Lothian and Edinburgh Enterprise Limited (LEEL), Lothian Regional Council, and Edinburgh District Council.

Published: Economic Impact of the Edinburgh Festivals
Authors: Scotinform Limited
Date: 1992
Price: £20.00

STB 5 *The International Passenger Survey (IPS)*

The International Passenger Survey provides the monitoring information required by the Board on the volume, value and profile of overseas visitors to Scotland. The data derived from this survey complements that from UKTS, thus together, IPS and UKTS give an overall picture of the value of tourism in Scotland. IPS is conducted by the Office of Population Censuses and Surveys (OPCS) for the Department of Employment. STB and the other National Tourist Boards commission jointly the regional computer data analysis which provides the information on Scotland's overseas markets. The latest full year statistics available are for 1992.

Published: Overseas Visitors to Scotland: 1992
Date: 1993
Price: Free

STB 6 *Cycling Study*

STB commissioned Cobham Resource Consultants to conduct an examination of the tourism potential of cycling and cycle routes in Scotland. As a result, a pilot scheme was set up in Dumfries and Galloway identifying a cycle route network and encouraging the provision of facilities for cyclists in that area. The lessons from this pilot scheme will be available to assist similar developments in other parts of Scotland.

Published: Tourism Potential of Cycling and Cycle Routes in Scotland
Author: STB
Date: 1991
Price: Free

STB 7 *Accommodation Occupancy Studies*

This report gives details of the occupancy of hotels, self catering accommodation and camping and caravan parks in Scotland. It provides an analysis by area, tariff bands, grading and classification of the property, month of the year etc.

Published: Scottish Accommodation Occupancy Studies
Author: STB/Centre for Leisure Research
Date: 1993
Publisher: Centre for Leisure Research
Price: £50.00 for all three reports, £40.00 for any two

STB 8 Visitor Attractions

This is a report on visitor attractions in Scotland. It is a report on visitor attractions in Scotland. It is a report on visitor attractions in Scotland. It is a report on visitor attractions in Scotland. It is a report on visitor attractions in Scotland.

Visitor Attractions Survey	1992
STB	1992
1992	1992
1992	1992
1992	1992

STB 9 The Supply of Tourist Accommodation in Scotland

This is a report on the supply of tourist accommodation in Scotland. It is a report on the supply of tourist accommodation in Scotland. It is a report on the supply of tourist accommodation in Scotland. It is a report on the supply of tourist accommodation in Scotland. It is a report on the supply of tourist accommodation in Scotland.

Supply of Tourist Accommodation in Scotland	1992
STB	1992
1992	1992
1992	1992
1992	1992

STB 10 Scottish Tourism Market Study

This is a report on the Scottish Tourism Market Study. It is a report on the Scottish Tourism Market Study. It is a report on the Scottish Tourism Market Study. It is a report on the Scottish Tourism Market Study. It is a report on the Scottish Tourism Market Study.

Scottish Tourism Market Study	1992
University of Glasgow	1992
1992	1992
STB 9010, Hill St	1992
Vol 1 0-85119-377-4	1992
Vol 2 0-85119-378-1	1992
Vol 3 0-85119-379-8	1992
Vol 4 0-85119-380-5	1992
Vol 5 0-85119-381-2	1992
Vol 6 0-85119-382-9	1992
Vol 7 0-85119-383-6	1992
Vol 8 0-85119-384-3	1992
Vol 9 0-85119-385-0	1992
Vol 10 0-85119-386-7	1992
Vol 11 0-85119-387-4	1992
Vol 12 0-85119-388-1	1992
Vol 13 0-85119-389-8	1992
Vol 14 0-85119-390-5	1992
Vol 15 0-85119-391-2	1992
Vol 16 0-85119-392-9	1992
Vol 17 0-85119-393-6	1992
Vol 18 0-85119-394-3	1992
Vol 19 0-85119-395-0	1992
Vol 20 0-85119-396-7	1992
Vol 21 0-85119-397-4	1992
Vol 22 0-85119-398-1	1992
Vol 23 0-85119-399-8	1992
Vol 24 0-85119-400-5	1992
Vol 25 0-85119-401-2	1992
Vol 26 0-85119-402-9	1992
Vol 27 0-85119-403-6	1992
Vol 28 0-85119-404-3	1992
Vol 29 0-85119-405-0	1992
Vol 30 0-85119-406-7	1992
Vol 31 0-85119-407-4	1992
Vol 32 0-85119-408-1	1992
Vol 33 0-85119-409-8	1992
Vol 34 0-85119-410-5	1992
Vol 35 0-85119-411-2	1992
Vol 36 0-85119-412-9	1992
Vol 37 0-85119-413-6	1992
Vol 38 0-85119-414-3	1992
Vol 39 0-85119-415-0	1992
Vol 40 0-85119-416-7	1992
Vol 41 0-85119-417-4	1992
Vol 42 0-85119-418-1	1992
Vol 43 0-85119-419-8	1992
Vol 44 0-85119-420-5	1992
Vol 45 0-85119-421-2	1992
Vol 46 0-85119-422-9	1992
Vol 47 0-85119-423-6	1992
Vol 48 0-85119-424-3	1992
Vol 49 0-85119-425-0	1992
Vol 50 0-85119-426-7	1992
Vol 51 0-85119-427-4	1992
Vol 52 0-85119-428-1	1992
Vol 53 0-85119-429-8	1992
Vol 54 0-85119-430-5	1992
Vol 55 0-85119-431-2	1992
Vol 56 0-85119-432-9	1992
Vol 57 0-85119-433-6	1992
Vol 58 0-85119-434-3	1992
Vol 59 0-85119-435-0	1992
Vol 60 0-85119-436-7	1992
Vol 61 0-85119-437-4	1992
Vol 62 0-85119-438-1	1992
Vol 63 0-85119-439-8	1992
Vol 64 0-85119-440-5	1992
Vol 65 0-85119-441-2	1992
Vol 66 0-85119-442-9	1992
Vol 67 0-85119-443-6	1992
Vol 68 0-85119-444-3	1992
Vol 69 0-85119-445-0	1992
Vol 70 0-85119-446-7	1992
Vol 71 0-85119-447-4	1992
Vol 72 0-85119-448-1	1992
Vol 73 0-85119-449-8	1992
Vol 74 0-85119-450-5	1992
Vol 75 0-85119-451-2	1992
Vol 76 0-85119-452-9	1992
Vol 77 0-85119-453-6	1992
Vol 78 0-85119-454-3	1992
Vol 79 0-85119-455-0	1992
Vol 80 0-85119-456-7	1992
Vol 81 0-85119-457-4	1992
Vol 82 0-85119-458-1	1992
Vol 83 0-85119-459-8	1992
Vol 84 0-85119-460-5	1992
Vol 85 0-85119-461-2	1992
Vol 86 0-85119-462-9	1992
Vol 87 0-85119-463-6	1992
Vol 88 0-85119-464-3	1992
Vol 89 0-85119-465-0	1992
Vol 90 0-85119-466-7	1992
Vol 91 0-85119-467-4	1992
Vol 92 0-85119-468-1	1992
Vol 93 0-85119-469-8	1992
Vol 94 0-85119-470-5	1992
Vol 95 0-85119-471-2	1992
Vol 96 0-85119-472-9	1992
Vol 97 0-85119-473-6	1992
Vol 98 0-85119-474-3	1992
Vol 99 0-85119-475-0	1992
Vol 100 0-85119-476-7	1992

STB 11 *The Impact of Business Rating Reform*

The study assesses the impact of the effect of Business Rates on Tourism Accommodation in Scotland. A comparison is made between similar properties in England and Scotland.

Published: The Impact of Business Rate Reform
Author: STB/Graham & Sibbald
Date: 1992
Publisher: STB
ISBN: 0-85419-374-X
Price: Summary free, Full Report £20.00

STB 12 *United Kingdom Tourism Survey*

This survey is the STB's main means of monitoring the volume, value and market characteristics of British tourism in Scotland. The survey also publishes information on recreation activities undertaken while on holiday.

Published: The UK Tourist: Statistics 1992
Authors: MAI Ltd
Date: 1993
Publishers: ETB, STB, WTB, NITB
ISBN: 0-7095-5725-6
Price: £55.00

STB 13 *STB Research Newsletter*

The Research Newsletter is produced twice per year (May and November) and provides details of the latest statistics on tourism in Scotland. Each issue also contains 4 - 6 articles on various aspects of tourism in Scotland.

Published: STB Research Newsletter
Author: STB
Date: May and November 1993
Publisher: STB
ISBN: 0-85419-392-8
Price: £15.00/Issue

STB 14 *Research Handbook*

This publication of between 12 - 15 reports each year provides annual and trend information on tourism in Scotland. In 1993 titles of the reports includes, British Tourism in Scotland, Day Visits in Scotland, Irish Marketing Study.

Published: Research Handbook
Author: STB
Date: 1993
Price: £50.00/Year

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100
100

STB 15 *Standardised Questions for Tourism Surveys*

A central reference document for tourism researchers containing standard questions for collecting data from tourism and visitor surveys.

Published: Standardised Questions for Tourism Surveys
Author: STB
Date: April 1993
Publisher: STB
ISBN: 0-85419-391-X
Price: £15.00

STB 16 *Day Visits in Scotland, April to September 1992*

This survey was a joint pilot study of leisure day tripping throughout the United Kingdom and was undertaken during the April - September period in 1992: The United Kingdom Day Visits Survey (UKDVS). The survey collected information on trips made from home or leisure activities, trips made from home on business for special or one-off purposes, and trips made from a holiday base.

Published: Day Visits in Scotland, April to September 1992
Authors: STB
Date: 1992
Price: Free

STB 17 *Irish Market Study*

This survey investigates the market for visitors to Scotland from the Republic of Ireland and provides a detailed overview of the characteristics of the existing market of Irish visitors to Scotland and an assessment of the potential for growth and the actions necessary to achieve this.

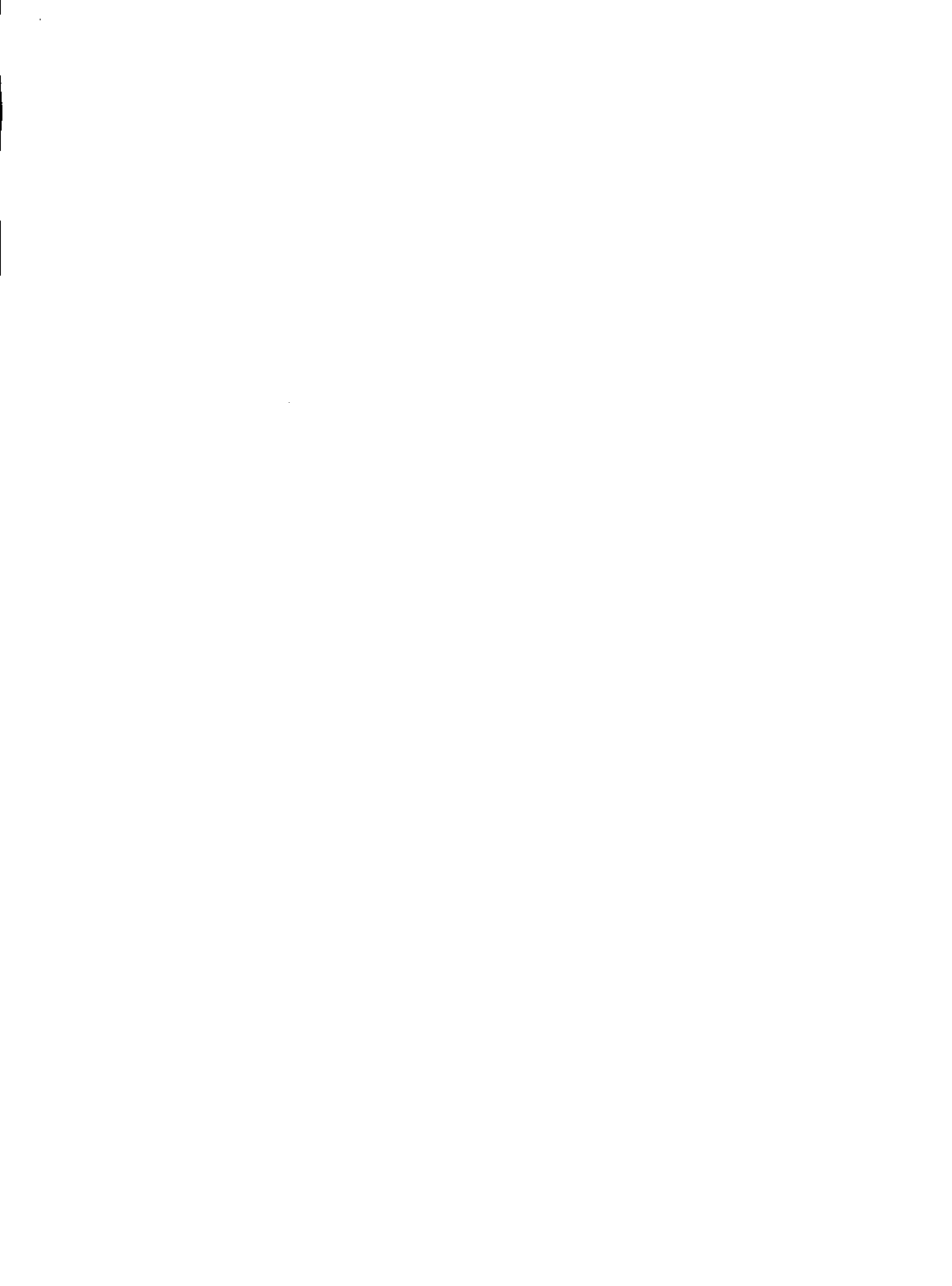
Published: Irish Market Study
Author: STB/Irish Marketing Surveys
Date: 1993
Price: £15.00

DATABASES

STB 18 *Visitor Attraction Survey*

This data base contains information on over 700 tourist attractions in Scotland. The data for each attraction includes visitor numbers, admission prices, monthly attendance, investment in facilities etc., type of attraction eg. castles, monuments etc.

Geographic
Features: Based on regions in Scotland
Access: On line and Hard Copy
Price: £15.00 for Hard Copy



STB 19 <i>Accommodation Supply</i>

This data base contains information on all accommodation stock registered in Scotland, and includes Hotels, Guest Houses, B & B's, Camping and Caravan Parks.

Access: On line and Hard Copy
Price: £120.00/1000 Names

STB 20 <i>United Kingdom Tourism Survey</i>
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This data base (as at the end of 1993) contains information on about 100,000 trips taken by UK residents, and recreation activities undertaken while on these trips. The data base also contains information on such variables as life styles, place of residence, expenditure, purpose of trip, length of trip etc.

Geographic
Features: Information available on a regional basis
Access: On Line
Price: On Application

Contact for Research Enquiries:

Dr Brian Hay, Research Manager, Scottish Tourist Board, 23 Ravelston Terrace, Edinburgh, EH4 3EU Tel: 031 332 2433 Fax: 031 343 2023

SPORTS COUNCIL

Introduction

The Sports Council is an independent body established in 1972 by Royal Charter. It has the twin aims of promoting sport for all and improving sporting performance and levels of excellence. It has a remit for some British issues, but it is mainly concerned with English matters as there are separate Councils for Scotland, Wales and Northern Ireland. It has 14 members and around 600 permanent employees in its Headquarters, Regional Offices and five National Sports Centres. Its 1992/3 budget is approximately £49 million, provided by grant in aid from the Department of National Heritage.

The 1992/3 research budget of the Sports Council is in the region of £800,000. Research projects are closely aligned to Sports Council priorities and policy requirements as defined in its Strategy and Corporate Plan. The Research Unit serves its 'clients' in other HQ units, Regional Offices and National Centres commissioning work, but it seeks co-sponsors from the public and private sectors wherever possible and appropriate. Research projects are divided between three teams—Facility Planning, Design and Management (including Countryside and Water); Participation, Performance and Excellence; and Demonstration Projects and the Register of Recreational Land (based in the North West Regional Office).

Projects, Publications and Reports

SC 1 *Outdoor Centres as a Resource for Sport and Active Recreation*

This study has identified the major changes that have taken place in English LEA Outdoor Centres since the introduction of the 1988 Education Act and in the light of financial pressures currently facing local authorities which operate such centres.

Published: Local Education Authority Outdoor Centres as Resource for Sport and Active Recreation

Researcher: Taverner S.

Price: £10.00

SC 2 *National Register of Recreational Land*

The Sports Council has compiled a National Register of Recreational Land (of England) for the major team pitch sports. This will enable identification of facility availability, quality and capacity and assist the plotting of gains and losses at the local level.

Researchers: Coopers and Lybrand Associates

Date: Available on disk since October 1993

SC 3 *Study of Golf in England*

This project involved a study of the supply of golf courses in England, an assessment of demand and participation in golf and analysis of management, economic and planning issues relating to golf course development.

Published: Study of Golf in England
Authors: Cobham Resource Consultants
Date: February 1993
ISBN: 1-8721-58366
Price: £50.00

Also: Planning and Provision Factfile
2 datasheets: Planning for Golf
Demand for Golf

Authors: Fytche I, Williamson M

SC 4 *National Resource GIS*

The Sports Council is now at the second stage of research into developing a GIS of national resources used for sport and recreation in England, and has commissioned a feasibility study of the Yorkshire and Humberside Region.

Date: Feasibility study to finish September 1995

SC 5 *Mountain and Cave Rescue: a Study*

A study of the organisation, operation and training programme of mountain and cave rescue organisations in England and Wales.

Researchers: Judith Anneth and Kit Campbell Associates
Date: Final Report received December 1993

SC 6 *Plas y Brenin*

A study of the economic and social costs and benefits arising from the operation of the National Mountain Centre at Plas y Brenin.

Researchers: Sheffield University, Leisure Management
Date: Final Report received December 1993

SC 7 *Countryside and Water Factfile*

Subscription to this factfile includes the binder and individual data sheets related to planning and provision for the countryside resource. This covers motor sports, air sports, water sports, reclamation of mineral workings and a number of case studies.

Date: Began in 1992
Price: £15.00

Subscription to this factfile includes the binder and over 25 individual datasheets on topics related to land-use planning, strategic planning for sport and recreation and facility provision. Datasheets published to date cover such diverse topics as golf, stadia, planning obligations and Planning for Sport in Green Belts.

Date: March 1992 with datasheets up to March 1994.

Price: £15.00

Contact for Research Enquiries:

Arthur Dye, Head of Research Unit, The Sports Council, 2 Tavistock Place, London
WC1H 9RA



SPORTS COUNCIL FOR WALES

Introduction

The Sports Council for Wales, established by Royal Charter in 1972, aims to increase participation in sport in Wales, raise standards of performance, improve facilities and provide a research and information service. In 1991 the Council published "Changing Times, Changing Needs: a Strategy Review". This Strategy Review forms the basis for the Council's future work programmes.

Projects, Publications and Reports

SCW 1 *Children's Sports Participation in Wales*

Biennial survey of sports participation by secondary and tertiary age group children.

Published: Children's sport participation 1991/92
Authors: Sports Council for Wales
Date: 1993
Publisher: Sports Council for Wales
Price: £15.00 (including P & P)
Agency Ref: Sports Study 11

SCW 2 *Sports Participation in Wales*

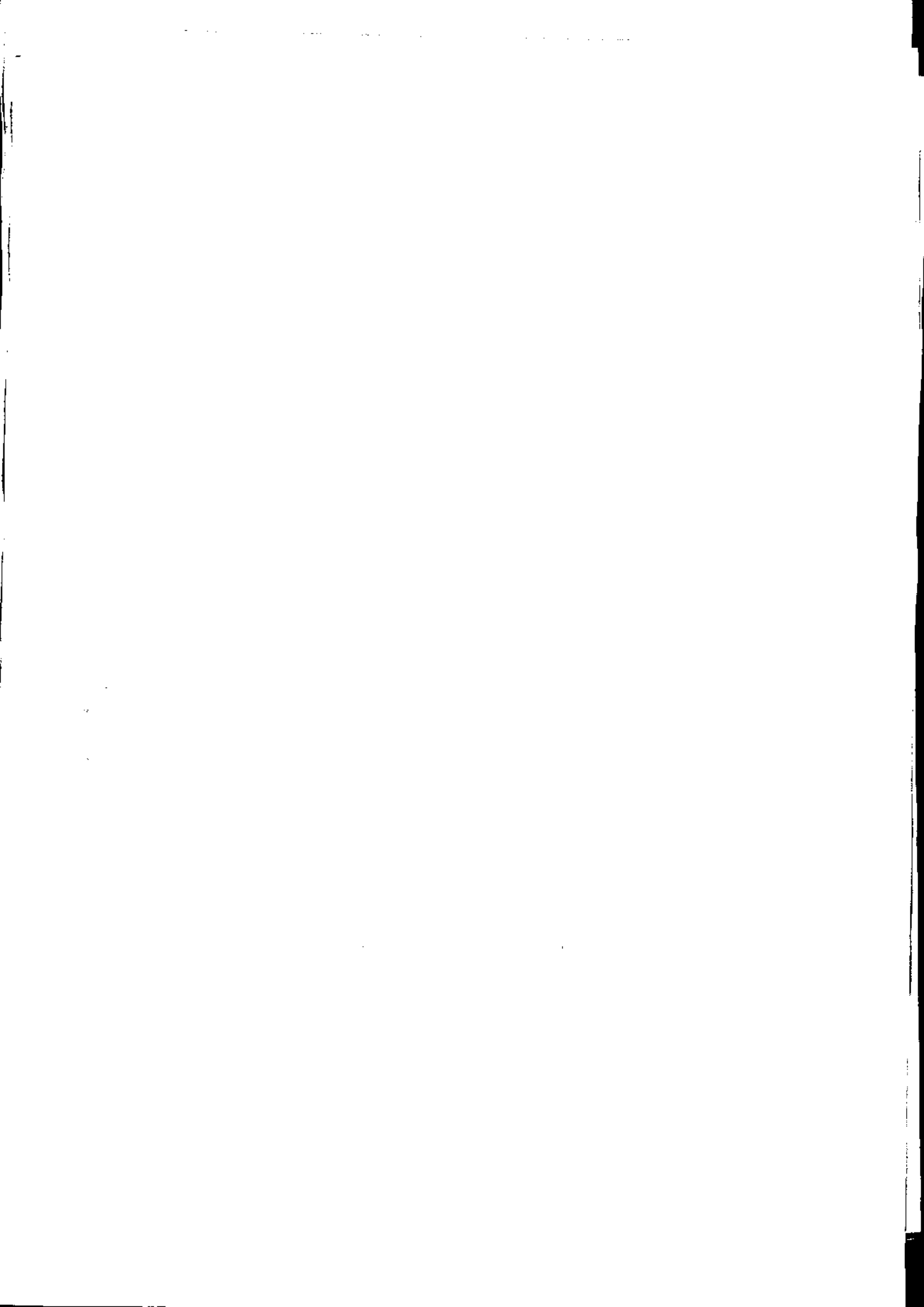
To analyse the sports participation by those aged 15 and over in Wales through the use of the Welsh Omnibus Survey.

Published: Sporting trends : 15 years of sports participation.
Authors: Sports Council for Wales
Date: 1993
Publisher: Sports Council for Wales
Price: £15.00 (including P & P)
Agency Ref: Sports Study 13

SCW 3 *Sport in National Parks*

Aims to provide information on the perceptions of the general public regarding encounters and conflicts in the national park and where sport stands in relation to these.

Published: Views from the park
Authors: Sports Council for Wales
Date: 1993
Publisher: Sports Council for Wales
Price: Free
Agency Ref: Sports Study 18



WALES TOURIST BOARD

Introduction

The Wales Tourist Board is an independent statutory agency, set up in 1969 to develop and market tourism, working in partnership with the tourist industry and with other bodies. The policies of the Wales Tourist Board are directed towards yielding the optimum economic and social benefit of the people of Wales; implicit within them is a concern to protect and enhance the environment, and to sustain and promote the culture and the language of Wales. Research is a major WTB activity, being used to measure the effectiveness of our programmes and to identify new policy priorities.

Projects, Publications and Reports

WTB 1 *Tourism 2000: A Strategy for Wales (Draft)*

This document is intended to guide the way in which tourism is developed and marketed in Wales during the period to the year 2000. Prepared in consultation with public and private sector partners, Tourism 2000 will help to ensure that a proper balance is maintained between different policy objectives, enabling the industry to continue to benefit Wales. The draft strategy will be reviewed

Published: Tourism 2000 - A Strategy for Wales: Draft
Author: Wales Tourist Board
Date: May 1993
Publisher: Wales Tourist Board
Price: £10.00

WTB 2 *Accommodation Provision for the Visitor*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It examines the present and future physical supply of accommodation services required to meet the needs of visitors to Wales.

Published: Accommodating the Visitor - A Paper for Discussion
Authors: Wales Tourist Board
Date: October 1992
Publishers: Wales Tourist Board

WTB 3 *Tourism and the Environment*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It provides an independent examination of the relationship between tourism and the environment. The report considers the inter relationship between tourism and both the physical and built environment with a view to promoting discussion and highlighting policy options.

Published: Tourism and the Environment - A paper for Discussion
Author: Dr. R. Denman
Date: October 1992
Publisher: Wales Tourist Board
Price: £5.00

WTB 4 *Tourism and the Community*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It provides an independent examination of the relationship between tourism and the community. The study considers the interaction between tourism and the host community with a view to promoting discussion and highlighting policy options.

Published: Tourism and the Community - A Paper for Discussion
Author: Professor Terry Stevens
Date: October 1992
Publisher: Wales Tourist Board
Price: £5.00

WTB 5 *Prospects for Coastal Resorts*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It provides an independent overview of the prospects for Wales' coastal resorts. The report provides information and guidance to the Board and others who are seeking creative solutions to the problems facing Welsh coastal resorts.

Published: Prospects for Coastal Resorts - A Paper for Discussion
Authors: P.A. Cambridge Economic Consultants
Date: November 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 6 *Infrastructure Services for Tourism*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It is concerned with the provision of the basic tourism infrastructure within Wales and covers issues surrounding roads and public transport provision, information provision and visitor facilities.

Published: Infrastructure Services for Tourism - A Paper for Discussion
Authors: Wales Tourist Board
Date: November 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 7 *The Leisure Experience*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It discusses the leisure experience for visitors to Wales. 'Things to do' embraces activity tourism and sport, attractions, sightseeing, shopping and eating out.

Published: The Leisure Experience - A Paper for Discussion
Authors: Wales Tourist Board
Date: November 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 8 *Tourism and the Arts*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It considers the existing and potential relationship between tourism and the arts with a view to promoting discussion and highlighting policy options for consideration.

Published: Tourism and the Arts - A Paper for Discussion
Authors: Wales Tourist Board
Date: November 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 9 *Consumer Issues*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It examines the concept of customer care at all levels within the tourism industry, highlighting issues for discussion and potential policy options for consideration.

Published: Consumer Care - A Paper for Discussion
Authors: Wales Tourist Board
Date: December 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 10 *Training in the Tourism Industry*

This report is one of a series prepared as part of the Tourism 2000 Strategy programme. It deals with the topic of human resource development for the tourism industry in Wales. It highlights issues for discussion and potential policy options for consideration.

Published: Tourism Training - On Target ?
Authors: Wales Tourist Board
Date: December 1992
Publishers: Wales Tourist Board
Price: £5.00

WTB 11 *Tourism 2000 : A Perspective for Wales*

This report is one of a series prepared as part of the Tourism 2000 strategy programme. It provides an independent analysis of the current market, position of tourism in Wales and considers the industry's future strengths and weaknesses in relation to expected future demand trends.

Published: Tourism 2000 : A Perspective for Wales
Authors: Professor Stephen Warhill
Date: April 1992
Publishers: Wales Tourist Board
Price: £5.00



WTB 12 *Hotel Occupancy Survey*

Undertaken continuously since 1972, this monthly occupancy survey is based upon a postal enquiry among a representative sample of hotels throughout Wales. Occupancy rates are calculated as a ratio of available bedspace and rooms and are analysed according to factors such as region, hotel size and tariff. In addition, overseas arrivals are expressed as a percentage of total hotel users.

Published: Survey of Hotel Occupancy in Wales 1993
Authors: Pannell Kerr Forster /Wales Tourist Board
Date: March 1994
Price: £10.00

WTB 13 *Demand Monitoring Survey*

The purpose of this annual monitoring exercise is to track occupancy levels in self-catering accommodation and to record volumes of visitors to attractions in Wales. The survey operates during the peak tourism months of May through to October. 1993 was the seventh year of operation.

Published: Survey of Tourism Trends in Wales 1993
Authors: Beaufort Research Ltd
Date: February 1994
Publishers: Wales Tourist Board
Price: £10.00

WTB 14 *Accommodation Supply Survey*

This report provides information on the distribution of tourist accommodation in Wales. Information is available for hotels, guesthouses, B & B's, Camping and Caravan Parks and is analysed by district, county and size.

Published: A Compendium of Tourist Accommodation in Wales
Authors: Wales Tourist Board
Date: 1991
Price: Free

WTB 16 *Visitor Attractions Survey*

The purpose of this annual survey is to monitor the number of visitors to tourist attractions in Wales. The survey is undertaken by means of an annual postal enquiry, covering all significant attractions throughout Wales. Information is held on a database which provides time series data for a 15 year period.

Published: Survey of Attendance at Visitor Attractions
Authors: Wales Tourist Board
Date: 1994
Publishers: Wales Tourist Board



WTB 17 *Sightseeing in the UK Survey*

This report provides an analysis of visits to tourist attractions in the whole of the UK during 1992 and has been jointly sponsored by the national tourist boards of England, Northern Ireland, Scotland and Wales. It contains details of trends in the number of visits to attractions, new attractions, overseas visitors, demand relative to capacity, employment, capital expenditure and revenue trends.

Published: Sightseeing in the UK
Authors: ETB, NITB, STB, WTB
Date: 1994
Publishers: ETB, NITB, STB, WTB
Price: £19.00

WTB 18 *Farm Tourism Study*

This study provides an independent examination of the significance, structure and impact of Farm Tourism in Wales. The study focuses on the provision of farm tourism accommodation. It considers future market prospects and makes recommendations regarding the future development and marketing of farm tourism enterprises.

Published: Farm Tourism in Wales - An Executive Summary
Authors: John Brown and Company
Date: 1993
Publishers: WTB, CCW, DBRW, WDA
Price: £10.00

WTB 19 *Quality Assurance Survey*

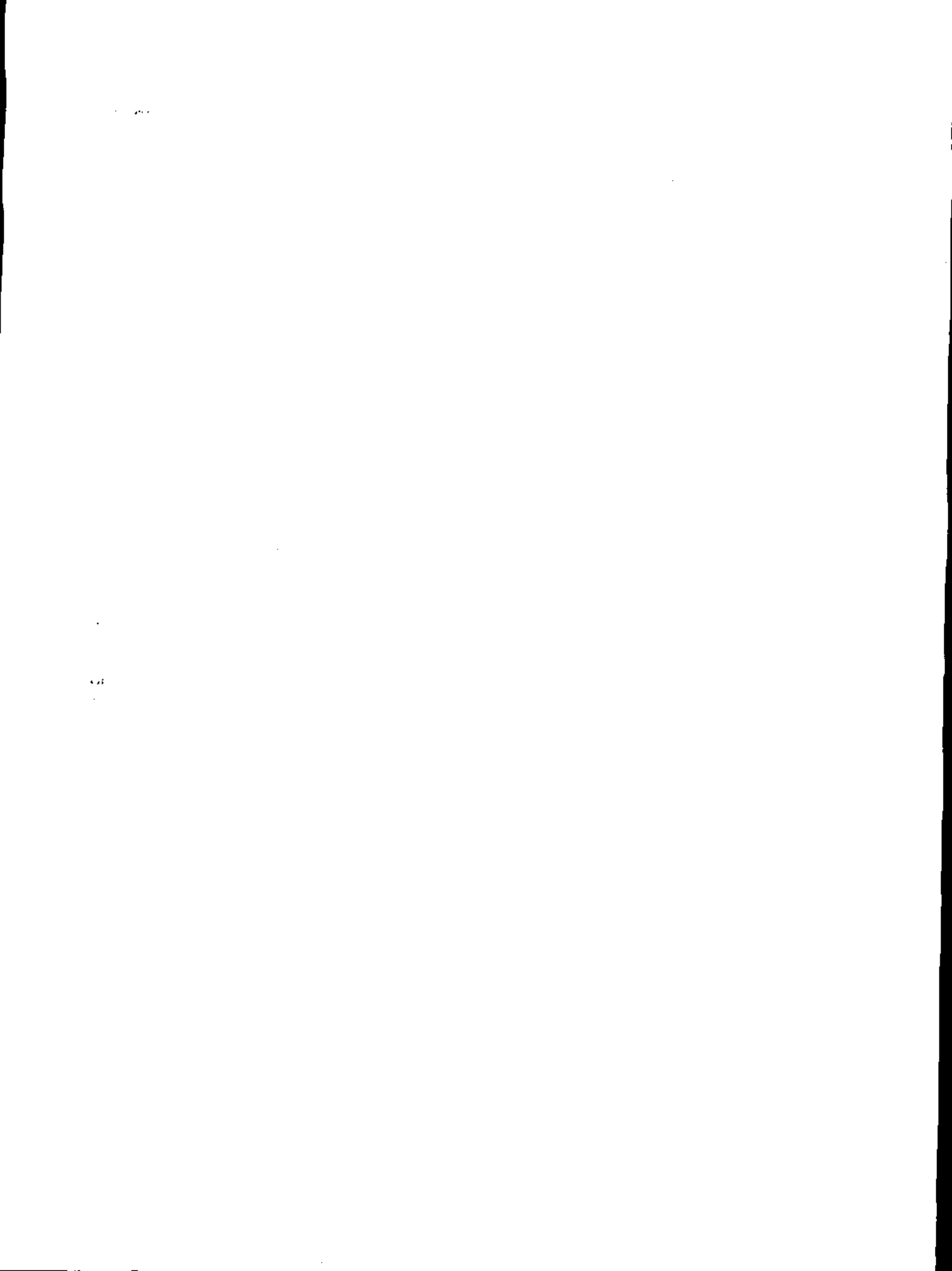
This study provides an independent examination of the significance and role of the verification and grading schemes operated by the Wales Tourist Board in the customer decision making process. It also examines customer expectations of such schemes.

Published: Research into Quality Assurance Schemes : An Executive Summary.
Authors: System Three Scotland
Date: 1993
Publishers: WTB
Price: £10.00

WTB 20 *Marketing Areas Study*

This study provides an independent exploration of the holiday decision making process and the holiday information needs of UK visitors. It also explores potential marketing areas for Wales.

Published: Marketing Areas for Wales - An Executive Summary.
Authors: Travel and Tourism Research
Date: 1993
Publishers: WTB
Price: £10.00



WTB 21 *Regional Profiles*

These profiles provide detailed information on tourism for each of the three regions of Wales (North, Mid and South). Each region has a distinctive pattern of tourism and geographical catchment area. The statistical material is drawn from the United Kingdom Tourism Survey, the International Passenger Survey and the Wales Tourist Board's surveys of Hotel Occupancy and Demand Monitoring.

Published: Tourism in North Wales, Tourism in Mid Wales, Tourism in South Wales.
Authors: WTB
Date: 1993
Publishers: WTB
Price: Free

WTB 22 *United Kingdom Tourism Survey*

The United Kingdom Tourism Survey is a survey which measures the volume and value of tourism trips (of one night or more) by UK residents. It is jointly sponsored by the four National Tourist Boards and is carried out by MAI-NOP using personal interviews obtained continuously throughout the year from a random sample of approximately 75,000 adults.

Published: The UK Tourist - Statistics 1992
Authors: MAI - NOP
Date: July 1992
Publishers: ETB, NITB, STB, WTB
Price: £55.00

WTB 23 *International Passenger Survey*

The International Passenger Survey provides the basis of estimates on the number of visits to the UK made by overseas residents, what they spend during their visit and how long they stayed. IPS is conducted by the Office of Population Census and surveys for the Department of National Heritage. WTB in conjunction with the other national tourist boards commission the regional computer data analysis which provides information on their respective, and in this case Wales' overseas markets. The latest full year statistics are available for 1992.

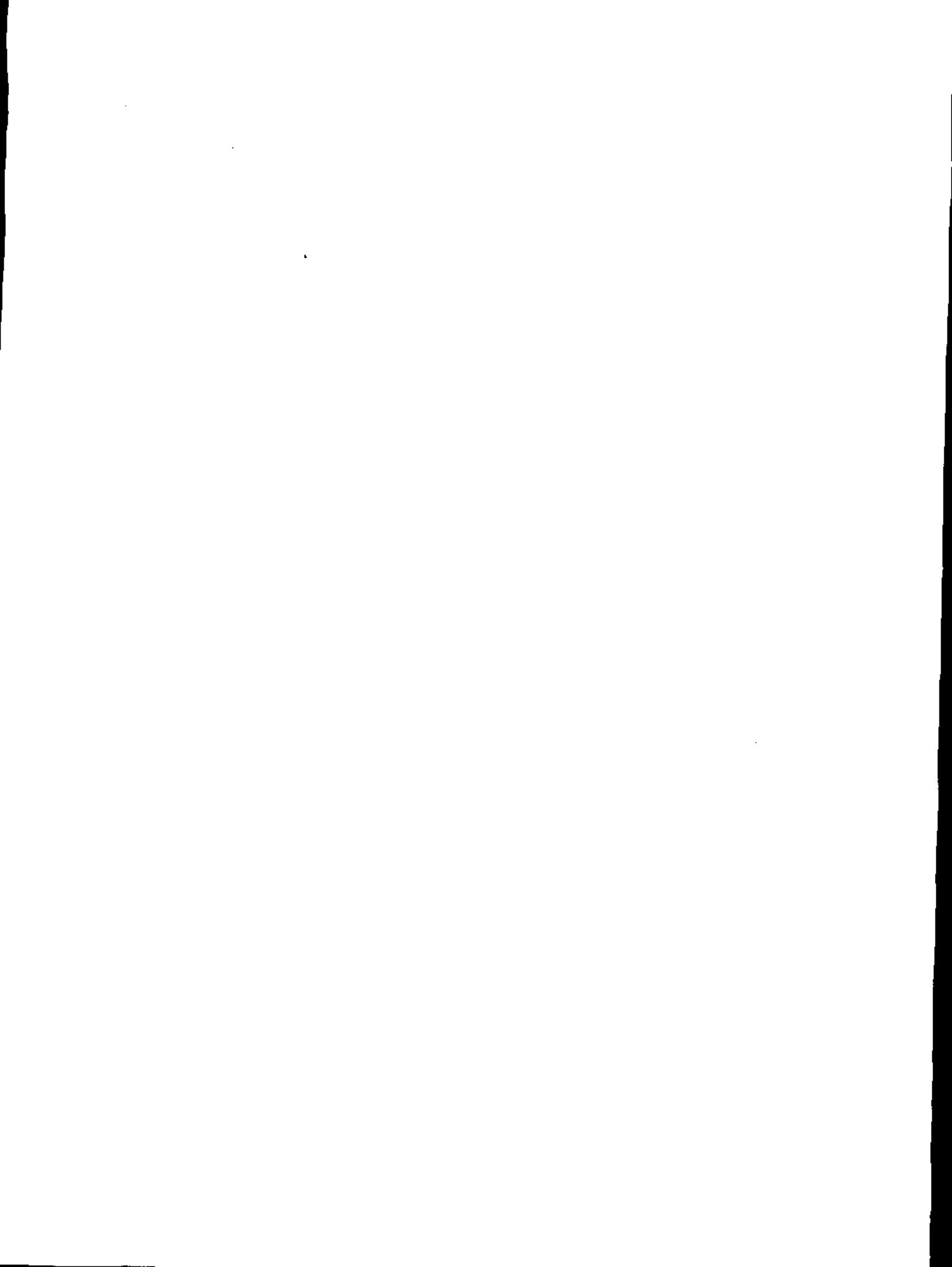
Published: Overseas Visitors to Wales : 1992
Authors: Department of National Heritage
Date: 1993
Publishers: WTB
Price: Free

DATABASES

WTB 24 *Visitor Attraction Survey*

The purpose of this annual survey is to monitor numbers of visitors to the main tourist attractions in Wales. Information is held on a database which provides time series data for a 15 year period.

Access: on line and Hard Copy



WTB 25 Accommodation Supply

This database contains information on all verified accommodation stock in Wales and includes Hotels, Guesthouses, B& B's, Camping and Caravan Parks.

Access: on line and Hard Copy

Price : £100 + VAT per 1000 names and addresses

WTB 26 United Kingdom Tourism Survey

The database contains time series information on the levels and characteristics of travel by UK residents for one night or more, for any purpose. The survey began in 1989 and is now in its fifth year of operation. Information can be broken down by a number of variables including lifestyle, region of origin, purpose of trip, length of trip, expenditure etc.

Geographic

Features: Information available on a regional basis.

Access: On line

Contact for Research Enquiries.

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KEYWORD INDEX TO RESEARCH PROJECTS

<i>Access</i>	CCW 5, CCW 8, CCW 23 / SNH 1, SNH 2, SNH 4, SNH 5
<i>Accommodation/Occupancy</i>	CCW 15, CCW 18 / STB 7, STB 9, STB 11, STB 19 / WTB 2, WTB 12, WTB 13, WTB 14, WTB 18, WTB 19, WTB 22, WTB 25
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<i>Attitudes/Perceptions</i>	CCW1, CCW 19 / FC 2, FC 5, FC 11 / SNH 11 / SCW 3
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<i>Coasts</i>	CC 3 / EN 6, EN 7, EN 8, EN 9, EN 10, EN 11 / SOEnD 4 / WTB 5
<i>Community Action</i>	CCW 19, CCW 21, CCW 22 / FC 1 / WTB 4
<i>Conservation</i>	CC 11
<i>Countryside Management</i>	CC 4, CC 6 / CCW 7, CCW 9 / FC 2 / NRA 1, NRA 3
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<i>Europe</i>	CCW 6 / SOEnD 3
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<i>Freshwater Bodies</i>	EN 3, EN 13, EN 14 / FC 7, FC 8
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<i>Golf</i>	CC9 / SC 3
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<i>Heritage</i>	FC 11
<i>Horse Riding</i>	CCW 21
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<i>Marketing/Promotion</i>	CCW 2, CCW 4 / WTB 1, WTB 5, WTB 8, WTB 18, WTB 20



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<i>National Parks</i>	CCW 2 / SCW 3
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<i>Site Management</i>	CC 4 / CCW 6 / DOE 3 / EN 2, EN 12, EN 15
<i>Soils</i>	NERC 2
<i>Tourism Management</i>	BW 2 / WTB 3, WTB 4, WTB 5, WTB 6
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