

Countryside Recreation Research Advisory Group  
A joint research group serviced by the Sports Council  
16 Upper Woburn Place, London WC1H 0QP Tel. 01 388 1277

## Countryside Recreation Research Advisory Group

### COUNTRYSIDE RECREATION RESEARCH 1983-84: THE PROGRAMMES OF THE CRRAG AGENCIES

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*Secretary to the Group*

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## PREFACE

In 1982, The Countryside Recreation Research Advisory Group decided to publish an annual compilation of the current and prospective research programmes of agencies represented on the Group (see list of member agencies below), so that more information about this work could reach a wider audience of interested organisations. The first edition of the compilation appeared in June 1982. This publication is the second in this series and contains information on Countryside recreation research and recent publications, correct as at the end of March, 1983.

In content and inevitable limitations, the document closely resembles the 1982/83 edition, with the exception that a thematic index has been included. Each project has been allocated a code which relates it to the relevant agency programme and appears both in the main text and at the appropriate point in the index.

Although considerable effort has been made to edit agencies' research programmes as originally submitted, into a common format, the result does not disguise the varied nature of the individual programmes nor the differing extents to which the programmes have a bearing on countryside recreation as strictly defined. A range of choice has been exercised by each contributor in the cut-off between that judged to be relevant to CRRAG and that not, with some lists more tightly drawn than others. The compilation is only complete for the national agencies represented on CRRAG (there is no contribution from the Water Space Amenity Commission, since it is scheduled to disappear in September 1983). It is planned to include some of the research undertaken by local authorities in each edition, subject to the logistical problems facing the Local Authority Associations represented on CRRAG, in collecting periodic data from member authorities. Research collated by the Association of District Councils and the Convention of Scottish Local Authorities for 1982/83 is included in this edition, but is not indexed. It is hoped that programmes from the Metropolitan Authorities and the County Councils will be published in the 1984/85 edition.

A listing of this kind is of short term value as it stands, in that programmes of research are often subject to change according to the availability of resources and changing operational needs of sponsoring bodies. Therefore, not all the prospective items listed may, in fact, proceed. However, to mitigate these circumstances, at the end of each section is the name, address and telephone number of a suitable contact in the respective agency, who will be pleased to respond to enquiries and requests for further information.

It is hoped that this compilation will be of value and interest to those with an involvement in countryside recreation and allied fields. Further copies are available free of charge from the Research Unit at The Sports Council.

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## BODIES REPRESENTED ON CRRAG

Association of County Councils  
Association of District Councils  
Association of Metropolitan Authorities  
British Tourist Authority  
British Waterways Board  
Convention of Scottish Local Authorities  
Countryside Commission  
Countryside Commission for Scotland  
Department of the Environment (Observer)  
English Tourist Board  
Forestry Commission  
Ministry of Agriculture, Fisheries and Food (Observer)  
Natural Environment Research Council  
Nature Conservancy Council  
Scottish Sports Council  
Scottish Tourist Board  
Sports Council  
Wales Tourist Board  
Water Space Amenity Commission

The Group includes representatives of a range of statutory agencies: from those whose role is mainly to provide grant and advice (such as the two Countryside Commissions), to representatives of the Local Authority Associations whose member Councils are the main public sector providers. The Group was established in 1968 as an advisory technical liaison group to harmonise the countryside recreation research of member agencies and to promote knowledge of such research. The harmonisation aim is achieved by the agencies making regular presentations of their research and development programmes to the Group.

## GLOSSARY

ABTA	Association of British Travel Agents	MAFF	Ministry of Agriculture, Fisheries and Food
ACC	Association of County Councils	MBL	Market Behaviour Limited
ADAS	Agricultural Development and Advisory Service (MAFF)	MNR	Marine Nature Reserve
ADC	Association of District Councils	MSC	Manpower Services Commission
AMA	Association of Metropolitan Authorities	NAC	National Agricultural Centre
ARM	Association of Recreation Managers (now incorporated in the Institute of Leisure and Amenity Management)	NCC	Nature Conservancy Council
		NERC	Natural Environment Research Council
BHTS	British Home Tourism Survey	NITB	Northern Ireland Tourist Board
BNTS	British National Travel Survey	NNR	National Nature Reserve
BTA	British Tourist Authority	NOP	National Opinion Poll Ltd
BWB	British Waterways Board	NP	National Park
		NPA	National Park Authority
CASE	Collaborative Award in Science and Engineering	NR	Nature Reserve
CC	Countryside Commission	NSHEB	North of Scotland Hydro-Electric Board
CCP	Countryside Commission Publication	NT	National Trust
CCS	Countryside Commission for Scotland		
CLA	Country Landowners' Association	OPCS	Office of Population, Censuses and Surveys
COE	Council of Europe	PDMS	Planning Data Management Service, University of Edinburgh
COSLA	Convention of Scottish Local Authorities	PTE	Passenger Transport Executive
CPRE	Council for the Protection of Rural England		
CRAG	Countryside Recreation Research Advisory Group	RSPB	Royal Society for the Protection of Birds
CSO	Central Statistical Office		
CURS	Centre for Urban and Regional Studies, University of Birmingham	SC	Sports Council
		SDD	Scottish Development Department
DART	Dartington Amenity Research Trust	SLS	Scottish Leisure Survey 1981
DBRW	Development Board for Rural Wales	SSC	Scottish Sports Council
DC	Development Commission	SSRC	Social Science Research Council
DEn	Department of Energy	SSSI	Site of Special Scientific Interest
DOE	Department of the Environment	STARS	Scottish Tourism and Recreation Survey, 1973
DOI	Department of Industry	STB	Scottish Tourist Board
		STRI	Sports Turf Research Institute
EC	European Commission		
ETB	English Tourist Board	TATR	Tourism and Travel Research Ltd
		TEIS	Terrestrial Environment Information System
FBA	Freshwater Biological Association	TIC	Tourist Information Centre
FC	Forestry Commission	TRRU	Tourism and Recreation Research Unit, University of Edinburgh
		TUC	Trade Union Congress
GHS	General Household Survey		
HIDB	Highlands and Islands Development Board	UWIST	University of Wales, Institute of Science and Technology
IBRM	Institute of Baths and Recreation Management	WA	Water Authority
IPS	International Passenger Survey	WRC	Water Research Centre
IR	Infra Red	WSAC	Water Space Amenity Commission
IRM	Institute of Recreation Management	WTB	Wales Tourist Board
ITE	Institute of Terrestrial Ecology		
LDR	Long Distance Route		
LGORU	Local Government Operational Research Unit		

**THE RESEARCH PROGRAMMES 1983-1984**

# ASSOCIATION OF DISTRICT COUNCILS

## RESEARCH OF MEMBER COUNCILS 1982/83

AUTHORITY	PROJECT TITLE AND SUMMARY OF OBJECTIVES	TIMESCALE	POINT OF CONTACT
<b>Footpaths and Walks</b>			
South Hams	Urban Fringe To identify opportunities for creating footpaths. Footpath through Dart Valley Woodland under investigation	—	K Cooper, Planning Department
Winchester	Riverside Walk To create a linear walkway from water meadows to south of city through city centre	1982-83	Director of Environmental Services
Rochford	Circular Walks To produce 10 footpath guide plans and associated notes	Published Spring 1982	
East Hertfordshire	Riverside Walks To signpost and way-mark riverside walks and produce a pocket guide showing routes and views of interest (eventually to be extended to other towns in the district)	1982-83	J Graves, Leisure Officer
Stroud	Recreation Footpaths To create a network of circular footpaths (using the definitive map) making use of public transport/ car parks (with MSC and CC)		Peter Chambers, Arts and Recreation Officer
Wyre Forest	Canal Footpaths To create a recreational footpath on 9 miles of canal towpath at Stourport (with BWB)	Opening Spring 1982	D MacFarlane, Planning Department
Rhymney Valley	Ridgeway Footpath Project To examine the potential for establishing and promoting a long distance ridgeway footpath together with a number of related shorter circular walks (first phase of a larger project) (with MSC)	1981-82	P J Richards
Copeland	Cumbria Coastal Footpath (with CC)	1980-83	J McQueen Countryside Commission, Newcastle
Taff-Ely	Idgcoay/Ffordo y-Brynian Long Distance Walk To develop a long distance route by using existing footpaths and rights of way		Graham Mellor, Local Planning Officer
Gedling	Lambley/Woodborough Trail To provide a guided educational trail within the borough (50% grant-aided by Countryside Commission)	1981	G Stevenson, Planning Department
Northavon	Frome Valley Walkway To create a countryside footpath (with CC)		A Pot
Harlow	Bridle Path Links Beyond Harlow To identify positive routes linking the town's bridle paths with neighbouring authorities		Planning Department
Exeter	Footpath and Bridleway Plan Detailed study and reassessment of previous proposals	1982-87	M Hurlow, Landscape Architect
Torbay	Footpaths for Recreation To create and improve footpaths on the edge of urban areas to improve recreational access	1982-83	Devon CC

Forest Heath	Mildenhall Footpath-System To extend existing local footpaths into adjoining regional network of recreational walks (with CC)	1982-85	
Forest Heath	Newmarket Riverside Walk To provide pedestrian links away from highways between settlements and social centres	—	
Huntingdon	Recreation Footpath Scheme	1979-82	P D Abraham
North Wiltshire	Public Footpath Scheme To create recreation footpaths and guided walks and to improve way-marking and condition of footpaths (with MSC and Ramblers' Association)		
Peterborough	Better Use of Footpaths To develop a useful network of footpaths		
<b>Other Recreational Projects</b>			
Monmouth	Survey of Basic Recreational Provision To survey playground equipment primarily for rural villages		M J Harburison
Crewe and Nantwich	1981 Year of the Butterfly To establish a management programme to allow host plants to grow in selected areas		C Farmer, Assistant Amenities Officer
Stockton on Tees	Recreation Provision To determine extent of existing recreational provision and establish a relevant and realistic programme of provision within the Borough	1982-83	R Clubley, Group Planning Officer and E Jones, Leisure and Amenities Officer
Harrogate	Survey of Existing Basic Recreational Facilities in Rural Areas To establish present level of service, needs and current trends in recreational activities	1982	S A Melton
Scarborough	Recreation Plan To study the existing facilities of physical recreation in the Borough and assess requirements to meet standards of provision	1980-82	Director of Tourism and Amenities
Portsmouth	Hilsea Moat To convert salt water moat into freshwater fishery	1981-82	R Snook
Isle of Anglesey	Ynys Llanddwyn Management Plan To outline principles of recreational development and define means of conserving area's character	Completed	
Exeter	Casual Recreation Plan To create valley parks, linked to existing and new footpaths and bridleways taking account of recreation, amenity and wildlife	1981-86	M Hurlow, Landscape Architect
Maldon	Blackwater Estuary Conservation and Recreation Subject Plan To maintain and enhance wildlife conservation and landscape quality, to improve and extend the facilities recreation provision, and to resolve conflicts between different interests in the area		A J White
Huntingdon	Ouse Valley Recreation Plan To survey river traffic, marinas, moorings, facilities, boat registration, land use and landscape quality, angling and boating clubs, and footpaths and access to the river	1981	D Potter, Planning Department
North Shropshire	Recreation and Leisure Survey To survey recreation and leisure facilities and set out policies for management and provision of new facilities	1977-79	A D Venables, Principal Planning Officer
Yeovil	Recreation Centre Survey To establish future needs of public in the area served by Centre		A G L Brown Amenities Officer



Yeovil	Review of the Yeovil Recreation Study, 1976 To review the 1976 study which dealt with recreational facilities, identified areas with deficiencies and made recommendations to meet these deficiencies	Martin Woods, Forward Planning
North Wiltshire	West of Corsham Management Policy Statement To examine the extensive area of military land west of Corsham with a view to improvements and agreement of future development in the area	1980-82
Blyth Valley	Holywell Dene To adapt land along north side of Dene for informal recreational activities	Outdoor Leisure and Amenities Officer
Blyth Valley	Cramlington Outdoor Recreation Area To reclaim 80 hectares of land for formal and informal recreational users	Chief Planning Officer
Blyth Valley	South Newsham Recreation Area To reclaim 5 hectares of land for future recreational purposes (funded by CC)	Outdoor Leisure and Amenities Officer
Waverley	Recreational Use Survey To provide information on recreational use of Frensham Country Park	Countryside Commission
<b>Play Equipment</b>		
Yeovil	Play Equipment Survey To establish needs and requirements for children's play equipment	A G L Brown, Amenities Officer
<b>Woodland Survey</b>		
Oxford	Ecological Survey of Coppicing Woodland To estimate number and types of birds, insects and plants and determine best way to manage the woodland for wildlife and recreation	Assistant Recreation Manager
Aberconwy	Great Orme Local Nature Reserve Woodland Management Plan To survey woodlands within the reserve and prepare plan for management to increase ecological and amenity value	Country Park Warden
Alyn and Deeside	Wepre Park Woodlands Management Study To develop the potential of 160 acres of woodlands parklands for use by the whole of the community	J C Davies
Torbay	Woodland Study To assess the condition of the woodlands in Torbay	
Rushmoor	Rowhill Copse To conserve and develop this woodland area as a public amenity and lease the wood to local Nature Reserve Society	
<b>Cycleways</b>		
Copeland	Cumbria Cycleway To create a recreational cycleway around the periphery of Lake District	
Forest Heath	Cycle Routes To provide facilities for cyclists by identifying routes (joint guide produced with Sports Council)	
<b>Riverside</b>		
Shrewsbury and Atcham	Riverside Study To study the River Severn, its tributaries and associated open spaces to determine precise landscape value and examine how further recreational use could be secured	Oakley Moor
<b>Holiday Coast Caravan/Chalet Development</b>		
Torbay	South Devon Caravan and Camping Study To study the nature of the problems associated with type of holiday (in association with ETB and Regional Tourist Board)	1977

## Amenity Area

Boothferry	Eastington Amenity Area To provide walking and picnic facilities (with CC)		
Burnley	Hambledon Hill Study To investigate possible use of water authority moorland for noisy sports (eg shooting, scrambling)		D J Ellis, Planning and Estates Department
Burnley	Black Hambledon Study To co-operate with water authority in improvement of existing access by improving footpaths/bridleways, creation of nature reserves, and provision of interpretive facilities		B Gane, Planning and Estates Department

## Land Reclamation

Stoke on Trent	Evaluation of Land Reclamation Policy in North Staffordshire To ascertain the value of the reclamation carried out in public and private sector	1979-81	C Bishop, DOE, Birmingham
Northavon	Golden Valley Restoration Scheme, Wick To reclaim disused mineral extraction area and identify suitable alternative recreation uses	1982	B McCutcheon, Planning Department

## Park Plans

Watford	Coine Valley Linear Park Plan To improve public access, stimulate public interest and improve provision of leisure facilities		A J Seaman
Ellesmere Port and Neston	Rivacre Valley Country Park To develop a small country park		Borough Engineer
Braintree	Blackwater Lane Nature Reserve, Witham To form nature reserve with limited recreational use on former tip	1982 onwards	Community Services Department
Sedgefield	Ferryhill Countryside Park		

## Sports Facilities

Harlow	Sports Pavilion for Handicapped To link handicapped persons with a sports club and identify positive improvements to facilities to enable access and use by locally based handicapped persons (with SC)		
Woodspring	Sport and Recreational Facility Survey of Weston-super-Mare To establish the current provision of sport and recreation facilities	1979	A Parfitt, Recreation and Sports Manager
Yeovil	Swimming Pool Survey To establish area served by pool and additional facilities required by the public		M Mosley, Swimming Pool Manager

## Tourism

Torbay	Torbay Tourism Study To assess tourism resources of Torbay and their potential for development (with ETB)	1981-82	
Afan	Tourism Survey To survey extent and type of tourism and tourists' opinions of existing attractions. To establish potential demand for tourist development and the effectiveness current publicity methods (with WTB)	1982	Planning Section
Test Valley	Tourism in Test Valley To study tourism in the Borough, its potential, problems and opportunities (with Southern Tourist Board)	1981-82	Chief Executive

## Historic Monuments

Durham	Historic Monument Schemes To conserve minor neglected historic monuments, secure public access and develop interpretation	1981-83	H M Roberts, Planning Department
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Durham	Ludworth Tower and Beaufort Manor To excavate and consolidate both sites (with CC, DOE and University of Durham)	1979-85	H M Roberts, Planning Department
Test Valley	Broadlands Stately Home To survey visitors primarily to gauge effect of opening of house on Romsey town centre with particular regard to car parking	1980	
<b>Open Space Surveys</b>			
South Hams	Open Space Survey To assess existing open space to identify any shortfall		K Cooper, Planning Department
Pendle	Ecological Basis for Moorland Management To establish an ecological data base, define land use pressures, evaluate the effects of these on the area's ecological status and develop recommendations for ecologically based countryside management (in association with Standing Conference of South Pennine Authorities)	1982-84	Dr Sykes, Manchester Polytechnic
Shrewsbury and Atcham	Report on Open Space and Water Facilities To ascertain existing provision of public open space and identify deficiencies for future provision	1981	Oakley Manor
Woodspring	Weston-super-Mare District Plan To assess open space and sports facilities and their distribution in relation to existing and proposed future population	1982	C R Mitchell Development Plan Section
Test Valley	Romsey Public Open Space Survey To study demand and supply of public open space	1980	Local Plans Section, Planning Department
Test Valley	Andover Public Open Space Survey To study demand and supply of public open space	1981	Local Plans Section, Planning Department
North Wiltshire	Open Space Facilities To examine existing provision and deficiencies of public open space		District Planner
<b>Railways</b>			
Rugby	Great Central Railway To evaluate potential for future use as a recreational resource		Mr Winks
Shrewsbury and Atcham	Severn Valley Railway To develop the disused line for informal recreation		Oakley Manor
Blyth Valley	Avenue Branch Railway To convert disused line into public bridleway in conjunction with rationalisation of existing footpaths system in urban fringe area (with CC)	1982-84	Chief Planning Officer
<b>Beach Surveys</b>			
Ynys Mon	Abberffraw Heritage Coast Draft Management Plan To formulate management principles and methods to protect the area		Director of Planning
<b>Conservation</b>			
Arfon	Management and Conservation Plan To establish areas of greatest pressure with respect to water recreation, identify conservation areas, establish areas of access for coastal footpaths and establish local nature reserves	1982	J E Jones, Planning Officer
Cannock Chase	Hednesford Hills Management Study To improve the character of the hills by balancing recreational and conservations needs (with CC)	1981-91	Chief Planning Officer
	South Cannock Countryside Management Project To improve the landscape and recreational facilities in the area and to reconcile conflicts between recreation and economic use of the countryside (with CC)	1980-84	Staffordshire CC, Project Officer

St Albans	Hertfordshire/Barnet Green Belt Management Experiment To analyse the sources of land management problems in the Green Belt, including countryside recreation, and develop better management agreements (with CC)	1975 to date	C Cairn, Project Officer, Hertfordshire CC
St Albans	Upper Lea Valley Countryside Management Project (similar aims to the above)	1967 to date	C Cairn, Project Officer, Hertfordshire CC
Newcastle	Newcastle Countryside Project To improve countryside using voluntary labour in conjunction with parish councils (with CC)	1981-82	K Birks, Planning and Development
Newcastle	Urban Fringe Countryside Management Project Landscape renewal area programme of environmental improvements to be determined (with CC)	1982-87	K Birks, Planning and Development

### Town Plans Incorporating Recreation

Halton	Mersey Valley Partnership Project Urban fringe management project (with CC)		R Taylor, Mersey Valley Project Officer
Cambridge	Green Belt Subject Plan To preserve the special character of Cambridge, control expansion, prevent the further coalescence of settlements, enhance the quality of the area and balance the needs of leisure and agriculture		
Afan	Cwmafan, Goytre Valley and Rural Margam District Plan Public Opinion Survey To survey public opinion on local plan issues including tourism and rural recreation	1980-91	Planning Section
Dartford	Darent Valley Plan To study recreational demand and potential in a sensitive part of the urban fringe		J C Underhill Planning Department

### Equestrian Rides/Areas

Castle Point	Equestrian Plan To provide areas of land where riders may ride, train and compete		Chief Technical Officer
Waverley	Survey of Horseriders at Frensham Country Park To provide information on number of horseriders using the park and their attitudes (with CC)		Countryside Commission

### Trees, Flora and Fauna Surveys

North Bedfordshire	Priory Marina To ascertain suitability of species of trees and shrubs for planting on tipped land	1983-86	Parks Division
Rhymney Valley	Flora and Fauna Survey To make public aware of the value of the environment, aid planning of the environment and land use and to make a contribution to the knowledge and understanding of the natural environment	1978-79	
Mid Sussex	Plant Community Structure in Blunts Wood Area To provide background information for management plan	1980-81	
Waverley	Vegetation Survey, Frensham Local Nature Reserve To assist in preparing detailed management proposals for proposed local nature reserve		Countryside Officer
	Greenway Ecological Survey To record vegetation types existing along the old Horsham/Guildford Railway line. Results will be used in interpretation literature and for management purposes		Countryside Officer

# BRITISH TOURIST AUTHORITY RESEARCH PROGRAMME

## 1983/84

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Continuous/Annual Research</b>			
<i>BTA 1</i> Overseas Market Profiles	To monitor changes in holiday habits in BTA's main overseas markets	Updated each autumn	Series of profiles covering thirty countries
<i>BTA 2</i> Secondary Analysis of International Passenger Survey (IPS)	To examine in detail the volume, value and characteristics of visitors to Britain from overseas, including regional spread	Annual	Sponsored by Department of Trade. In addition to data published by the Central Statistical Office, extra information is gathered on specific subjects paid for by BTA and the Tourist Boards
<i>BTA 3</i> Overseas Visitor Survey	To supplement IPS data	Continuous	Some regular and some ad hoc subjects covered in this survey, on which other organisations may buy questions
<i>BTA 4</i> British National Travel Survey (BNTS)	To monitor trends in British people's holiday-taking at home and abroad	Annual (Fieldwork November, published March)	Full results available on subscription. Summary results in BTA Digest of Tourist Statistics, CSO Social Trends and on Prestel (page no 22088) Jointly sponsored by BTA, STB & WTB
<i>ETB 1</i> British Home Tourism Survey (BHTS)	(See ETB programme for details)	Continuous	
<i>BTA 5</i> Examination of Specific Overseas Markets	To obtain detailed information for planning from overseas visitors on pattern of booking, type of holiday package, reason for travel, activities in Britain and reactions to facilities	As required	Regular series of ad hoc surveys. Current emphasis on new long-haul markets
<i>BTA 6</i> Evaluation of BTA Marketing and Promotional Activities	To evaluate effectiveness of BTA advertising, promotional brochures, information services, workshops, conferences, trade fairs, etc	As required	Surveys in response to specific needs and requests

### RESEARCH PUBLICATIONS 1982/83

- BTA (P) 1 BTA/NITB/STB/WTB (1982) *The British Domestic Holiday Market: Prospects for the Future.*
- BTA (P) 2 BTA/ETB/STB/WTB (1982) *British Home Tourism Survey 1981 (BHTS)*
- BTA (P) 3 BTA (1983) *British Tourism: The Changing Pattern 1971 to 1981.*
- BTA (P) 4 BTA/ETB/Brighton and Hove Borough Councils (1982) *The Conference and Exhibition Market in Brighton and Hove 1976-1980.*
- BTA (P) 5 BTA (1982) *Digest of Tourist Statistics No 10.*
- BTA (P) 6 BTA (1982) *Employment in Tourism.*
- BTA (P) 7 BTA (1982) *Heritage (A directory of organisations concerned with the preservation of the country's heritage).*
- BTA (P) 8 BTA (1982) *Legislation Affecting Tourism in the UK (3rd Edition).*
- BTA (P) 9 BTA/ETB/NITB/STB/WTB (1982) *Selling UK Tourism Products through ABTA Agents.*
- BTA (P) 10 BTA (1982) *Survey Among Overseas Visitors to London, Summer 1982.*
- BTA (P) 11 BTA (1982) *Technology in the World of Travel (papers delivered at a seminar at the World Travel Market).*
- BTA (P) 12 BTA (Quarterly) *Tourism Intelligence Quarterly.*
- BTA (P) 13 The Research Newsletter Supplement to BTA's quarterly magazine *British Travel News*, contains summaries of many of BTA's research studies.

Contact for enquiries: Gillian Gardner-Smith, Manager, Research Services, British Tourist Authority, Queen's House, 64 St James's Street, London SW1A 1NF (01-629 9191)

# BRITISH WATERWAYS BOARD RESEARCH PROGRAMME 1983/84

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Annual Research</b>			
<i>BWB 1</i> Hire Boat Surveys	To collect information from selected hire bases about market characteristics, routes and expenditure patterns of boat hirers	April 1983 - January 1984	In-house; questionnaires distributed by hire boat operators. Survey period April-October 1983
<i>BWB 2</i> Lock Based Surveys	To collect information on boat lockage ratios and on expenditure patterns and routes taken by boaters	July 1983 - January 1984	In-house; interviews at selected key locks. Survey period July-August 1983
<b>Current Research</b>			
<i>BWB 3</i> Water Demand Model	To predict the effect of new hire boat bases and marina developments on water resources	1978-1983	Carried out at the Department of Engineering, University of Cambridge. A computer model utilising data from previous surveys, and a linear programming model are being developed
<i>BWB 4</i> Waterways Facilities Index	To computerise information on the facilities available on the Board's waterways	October 1982 - March 1983; continuous updating	In-house; will form basis for publications
<b>Committed New Research</b>			
<i>BWB 5</i> Boating Market	To establish the market characteristics of private boaters in order to encourage this activity on the waterways	March 1983 - end 1983	In-house; postal questionnaires with possible follow-up experiments
<i>BWB 6</i> Unpowered Boating Market	To establish the market characteristics of canoeists and other unpowered boaters on the Board's waterways	March 1983 - end 1983	In-house; postal questionnaires with possible follow-up experiments
<b>Tentative New Proposals</b>			
<i>BWB 7</i> Support Facilities	To evaluate the need for sanitary, water and rubbish disposal facilities over the next 5 years in order to guide the Board's provision of these facilities	Autumn 1983 - early 1984	In-house; desk study
<i>BWB 8</i> Remainder Waterways	To investigate the income potential of restored Remainder Waterways	Autumn 1983 - early 1984	In-house; desk study

## RESEARCH PUBLICATIONS 1982/83

- BWB (P) 1 BWB (1982) *Boat Lockage and Water Supply*. Recreation Planning and Research Paper No 15. The Board, Rickmansworth
- BWB (P) 2 BWB (1982) *Hire Cruiser Survey 1980*. Recreation Planning and Research Paper No 16. The Board, Rickmansworth.
- Contact for Enquiries: Robert Hall, Recreation Planning Officer, British Waterways Board, Penn Place, Rickmansworth, Herts, WD3 1EU (09237-78231)

# CONVENTION OF SCOTTISH LOCAL AUTHORITIES

## RESEARCH OF MEMBER COUNCILS, 1982/83

AUTHORITY	PROJECT TITLE AND SUMMARY OF OBJECTIVES	TIMESCALE	POINT OF CONTACT
<b>Regional Councils</b>			
Borders	Hawick Circular Riding Route To reconcile the riding needs of a small town with needs of adjacent landowners (with CCS)	1982-85	Q McLaren
Fife	Lomond Hills Joint Research Project To increase awareness of factors influencing public accessibility to countryside from towns and efficacy of measures to increase accessibility (with CCS)	1979-82	A Kelly, Planning Department and J W Mackay, CCS
Grampian	Serviced Accommodation Occupancy Survey To ascertain utilisation of serviced accommodation in Region	Continuous Monthly	J Fraser, Senior Tourist Officer, Department of Leisure, Recreation and Tourism
	Houghton Country Park and Caravan Site Monitoring To monitor visitor numbers and length of stay from year to year	Annual	(As above)
	Survey of Visitors to Tourist Information Centres To monitor enquiries and accommodation, bookings at 15 TICs in Region	Annual	(As above)
	Balmedie Beach Visitor Survey To measure number and seasonal spread of visitors	1982	(As above)
	Haddo Country Park Visitor Survey To measure number and seasonal spread of visitors	1982	(As above)
	Local Tourism Studies To investigate tourist and day trip demand in specific towns and areas to assist in tourist development and marketing (with MSC)		J Fraser, Senior Tourist Officer, Department of Leisure, Recreation and Tourism
Strathclyde	Newton-Calderbank-Newhouse Urban Fringe Management Study To analyse opportunities and resources available for urban fringe improvement	1982	V Goodstadt, Physical Planning Department
Shetland	Caravanning and Camping in Shetland To prepare a policy for caravanning and camping and to identify suitable sites		
<b>District Councils</b>			
Argyll and Bute	West Coast Marine Centre Research To examine technical aspects of establishing a marine centre in the Oban area following an earlier water sports study (with HIDB)	1982	Water Sports Development Officer, HIDB
Dundee	Recreation Promotion Project To ascertain requirements for the development and management of local authority leisure and recreation services (with MSC)	1981-82	Chief Technical Officer or Recreation Research Officer
	Countryside Recreation Strategy Report To develop a set of policies to develop leisure and recreation in the green belt	1981-82	Deputy General Manager of Parks
East Kilbride	Calderglen Country Park Management Plan To provide information on botany, zoology, geology and history of the park for management plan and development of interpretation (with MSC)	1982	District Ranger Calderglen Country Park

Falkirk	Ecology of Muiravonside Country Park To identify flora and fauna with a view to conservation management and interpretation (with MSC)	1981-82	G Clark, Planning Department
City of Glasgow	Glasgow Tourism and Leisure Study To identify tourist trends, assess demand for facilities and income and employment impact of tourism (with MSC and Scottish Hotel School)	1981-83	Dr J Healey, Scottish Hotel School, University of Strathclyde
Gordon	Don Ythan Coastal Area Study To study conservation and recreation in the area between Don and Ythan estuaries (with Grampian RC, Aberdeen DC, Banff and Buchan DC, Department of Geography, University of Aberdeen, CCS, NCC etc)		M Nevill, Principal Planner, Planning Department
Hamilton	Avon Gorge Biological Recording To survey the Gorge for future interpretation	1981 to date	
	Land use and Habitat survey To record land use and ecological habitats in the District (with MSC)		
	Rights-of-Way Survey To record and plot all rights-of-way in the District (with MSC)		
Moray	Findhorn Bay Proposed Nature Reserve To survey area prior to designation as NR (with RSPB)	1981-82	Director of Physical Planning Elgin
	Speyside Way To gather visitor information on this walking route	1981-82	Director of Physical Planning, Elgin
	Tugnet Ice House To gather visitor information on this walking route	1981-83	Director of Physical Planning, Elgin
Motherwell	Ecological Survey To form the basis for a District Biological Records Centre	1981-82	Mr Ross, Parks Department
North East Fife	St Andrews — Crail — Lower Largo Coastal Walk To reinstate coastal paths and promote greater use of the coastal route		Department of Recreation
	Sand Dune Stabilisation (West Sands, St Andrews) To transplant dunegrass to stabilise dunes and to manage access to control pedestrian erosion		Department of Recreation
	Rights-of-Way in N E Fife To reinstate and carry out remedial work on signposted rights-of-way		Department of Recreation
Perth and Kinross	Pilot Survey of Visitors to Pitlochry To survey visitor usage of recreational facilities in and Pitlochry as basis for further research and possible designation as Regional Park	1982	Countyside Ranger
Strathkelvin	Review of Footpaths and Rights-of-Way To update 1976 survey by reviewing status of footpaths to help maintenance and signposting programmes (with MSC)		J Hartley



# COUNTRYSIDE COMMISSION

## RESEARCH PROGRAMME 1983/1984

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current Research</b>			
CC1 Experimental Restoration of Barns for Visitor Accommodation	To monitor the establishment and promotion of a network of low-cost accommodation	1983-1985	3 year project in the Peak District National Park
CC2 Operation Groundwork	Major urban fringe environmental improvement, recreation and conservation education project	1983-86	Groundwork Trust established with local authorities, industry and voluntary organisations in St Helens and Knowsley Districts, Merseyside
CC3 Monitoring Operation Groundwork	To monitor the effectiveness of this urban fringe management project	1983-86	Focuses on Operation Groundwork, using various consultants
CC4 Access to the Countryside by Public Transport (1)	To encourage the use of public transport to reach the countryside	1981-84	Third year of project based on West Yorkshire PTE, employing a project officer
CC5 Access to the Countryside by Public Transport (2)	To encourage the use of public transport to reach the countryside	1983-85	Based on Greater Manchester PTE, employing a project officer
CC6 East Fellside and Alston Moor Project	To ameliorate local socio-economic and environmental conditions and demonstrate the value of integrated rural development strategies	1981-86	Jointly sponsored with DC, ETB, Eden District Council and others. Based in the Peak District National Park, using a project officer approach
CC7 Pennine Small Woods Project	To identify the problems associated with managing small woods, to develop solutions and to provide advice and information on their implementation	1983-85	
CC8 Herbicide as a Management Tool in Countryside Recreation Areas	To produce attractive, interesting swards with low maintenance costs	1983-84	
CC9 Lowland Heath Management Project	To explore methods of maintaining the quality of lowland heath of high recreational importance	1983-85	
CC10 Cannock Chase Management Experiments	To demonstrate methods of managing recreation on a fragile heathland site	1983-85	
CC11 Regional Information and Interpretation in the Broads	To implement an interpretation strategy	1983-86	Project officer employed by the Broads Authority
CC12 Scilly Isles Integrated Rural Development Study	To test an integrated approach to development, conservation and other issues	1983-84	
CC13 New Agricultural Landscapes Project	To create awareness of the need for, to demonstrate and to encourage adoption of, practical landscape conservation measures alongside modern farming methods over substantial tracts of countryside	1983-85	Co-sponsored with MAFF. In mid-Suffolk, Fenland Cambridgeshire, Worcestershire, Charnwood Forest (Oxon) and Bedfordshire

CC14 Gwent Small Woods Project	To investigate how small woods can be managed for landscape, nature conservation and wood production in the context of good agricultural practice	1979-84	Project officer seconded from FC
CC15 Demonstration Farms Programme, Phase III	To promote advice and technical knowledge on all aspects of practical landscape conservation to farming interests, via a demonstration programme on 10 farms	Continuous	Attempts to show how landscape and conservation objectives can be reconciled with the needs of commercial farming. Co-sponsored with FC, MAFF and NCC
CC16 Survey and Appraisal of National Trust Estates	To assist in the development of NT land management policies aimed at conservation and recreation	1983-84	Carried out by T R Worthington, Reading, Agricultural Consultants
CC17 Clearing House on Good Design and Management of Recreation Sites	To generate, promote and publicise examples of good practice and enterprising management at recreation sites	1983-87	Series of short studies by various consultants with the aim of producing advice
CC18 Cambrian Mountains Project	To study land-use change in order to harmonise grant aid and other policies in the uplands	1983-84	
<b>Committed New Research</b>			
CC19 National Centre for Historic Landscape	To serve as a focus for research and expertise on historic landscapes and to provide specialised advice on specific cases of threatened landscapes	1983-85	Centre based at the Institute of Advanced Architectural Studies, University of York
CC20 Evaluation of Operation Groundwork	To evaluate methods and organisation of this urban fringe project (CC2) and compare with other similar projects	1983-87	Continuing through first four years of Operation Groundwork, to relate it to four similar projects in the North West (CC21)
CC21 Operation Groundwork Extension	To establish a Groundwork Resource Unit in the North West to promote the formation of environmental trusts similar to Operation Groundwork	1983-86	
CC22 Policy Division Management Information System	To develop an information system to assist in the assessment of grant aid decisions	1983-87	Carried out by consultants
CC23 National Survey of Countryside Recreation	To establish trends in participation in countryside	1983-86	Pilot work in 1983 leading to re-survey comparable to 1977 and 1980 surveys in 1984-86
CC24 Review of Amenity Tree Planting	To assess the effectiveness of the Commission's policy and grant aid system	1983-85	
CC25 Access to the Countryside for Recreation and Sport	To assess the current availability and value of access provision in relation to the needs of users, and the attitudes/values of those using, providing and affected by access to the countryside	1983-85	Initial review leading to a series of case studies and over-view. Co-sponsored with SC and carried out by TRRU, University of Edinburgh
CC26 Evaluation of New Agricultural Landscapes Project	To evaluate the effectiveness of existing New Agricultural Landscape projects (CC13)		
CC27 Re-survey of New Agricultural Landscape Study Areas	To establish what landscape changes have occurred in the 7 study areas in the last decade	1983-84	
CC28 Monitoring Landscape Change	To provide reliable information on recent and future rates of change in countryside features of major landscape nature conservation and archaeological importance	1983-85	Co-sponsored with DOE and NCC, contractors to be appointed

CC29	Consumer Satisfaction with Countryside Facilities	To assess the closeness of fit between facilities promoted by the Commission and needs of the public	1983-84	Methodology based on Consumers' Association's approach to measuring consumer satisfaction
CC30	Informal Recreation Provision for the Disabled	To improve access to open countryside and provision for the disabled	1984-85	
CC31	Cornish Heritage Coast Project	To test and develop countryside management techniques on heritage coasts in Cornwall	1983-86	Project carried out through the voluntary sector with the NT as agents
CC32	Management of Uncropped Farmland	To improve the quality of information and advice to farmers on the management of uncropped land	1983-86	Co-sponsored with MAFF/ADAS. Output from the study will help ADAS advisers give sound guidance in this area

### Tentative New Proposals

CC33	Urban Fringe Policy Review	To provide information on the costs and benefits of carrying out further work in the urban fringe supported by Commission grant aid	1983-86	
CC34	Marketing Review of Long Distance Routes and Recreational Routes	To develop future Commission policy on LDRs	1983-85	
CC35	Green Lanes Management Agreements	To use management agreements over Green Lanes to improve access, enhance conservation and landscape features and encourage co-operation between land-owning, farming and recreational interests	1983-85	
CC36	Theatre in Countryside Interpretation	To develop and promote awareness of theatrical techniques as a means of interpreting the countryside	1983-85	
CC37	Environmental Volunteering Promotional Campaign	To make volunteer agencies and potential volunteers more aware of the opportunities offered by one another	1983-85	

### RESEARCH PUBLICATIONS 1982-83

- CC(P)1. Countryside Commission (1980) *Trends in Tourism and Recreation 1968-78* CCP134 Countryside Commission, Cheltenham
- CC(P)2. Countryside Commission (1983) *Small Woods on Farms* CCP143 Analysis by Kenneth Thompson of agricultural census data. Countryside Commission, Cheltenham
- CC(P)3. Countryside Commission (1983) *A Management Plan for the Green Belt Area in Barnet and South Hertfordshire 1982-87*
- CC(P)4. Countryside Commission (1983) *An Experiment Continued: Countryside Management in the Urban Fringe of Barnet and South Hertfordshire* CCP148 Countryside Commission, Cheltenham
- CC(P)5. Countryside Commission (1982) *Participation in Informal Countryside Recreation* CCP152 Countryside Commission, Cheltenham
- CC(P)6. Countryside Commission (1983) *The Changing Uplands Report* by Michael Allaby based on the Upland Landscapes Study. CCP153 Countryside Commission, Cheltenham
- CC(P)7. Countryside Commission (1983) *Cannock Chase: The Preparation of a Country Park Management Plan* CCP154 Countryside Commission, Cheltenham
- CC(P)8. Countryside Commission (1983) *An Evaluation of the Heritage Coast Programme in England and Wales* by Peter Cullen. CCP155 Countryside Commission, Cheltenham

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# COUNTRYSIDE COMMISSION FOR SCOTLAND

## RESEARCH PROGRAMME 1983/84

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current and Recently Completed Research</b>			
CCS 1 Buildings in the Countryside (Part 1)	Major survey of traditional rural buildings in Scotland	Until mid-1983	Carried out by Sir Frank Mears and Partners, Edinburgh. Project at reporting stage. The technical report is being edited for publication by Gollancz Ltd
CCS 2 Review of Landscape Change	Desk review of existing information about changes to the appearance of the Scottish countryside	Until early 1983	In-house project
CCS 3 Historic Gardens and Designed Landscapes	Review of historic garden resources in Scotland	Until early 1983	Carried out by Land Use Consultants, London/Glasgow. Co-sponsored with Renfrew District Council, the National Trust for Scotland, the Scottish Development Agency and STB
CCS 4 Formakín Estate Feasibility Study	Appraisal of house and garden of architectural and horticultural merit (Lorimer) to consider possible future uses that would ensure conservation of and access to the property	Completed January 1983	Carried out by W Gillespie and Partners, Glasgow and others. Co-sponsored with Renfrew District Council, the National Trust for Scotland, the Scottish Development Agency and STB
CCS 5 Scottish Mining Museum: Feasibility Study	Review of the economic feasibility of a proposal for a major mining museum near Edinburgh	Completed January 1983	Carried out by PEIDA (Planning, Economic and Advisors), Edinburgh. Contribution to a study sponsored by East Lothian District Council and others
CCS 6 Comparison of Participation in Recreation and Tourism in 1973 and 1981	Comparison of the major 1973 (STARS) and the 1981 (SLS) recreation and tourism surveys to examine changes over this period	Until mid-1983	Carried out by the Tourism and Recreation Research Unit, University of Edinburgh
CCS 7 Beach Management Project	Field trials and contracted research to develop advice for management of sand-dune systems	Main programme now complete	Mainly in-house, with three contracted studies current (see below). Advice is being published as information sheets
	1. Comparative study of mulches in the revegetation of dune pastures	Completed February 1983	Environmental Advisory Unit, University of Liverpool
	2. Re-seeding of dune pastures: monitoring and trials	Until 1984	Department of Botany, University of Aberdeen
	3. Advice on engineered beach protection and management	Until early 1983	Babtie Shaw Morton, Glasgow
CCS 8 Lochshore Management Project	To develop experience and advice in the management of the margins of inland water bodies for recreation and amenity	Until early 1986	Mainly in-house with a project officer outposted at Balloch, Loch Lomond, undertaking trials. Current work on engineered bank protection and on vegetation management at the water's edge
CCS 9 Footpath Management Project	Project concerned to develop advice for the routing, construction and management of upland footpaths	1982-84	Mainly in-house with two contracted studies (as below). A full-time project officer will be appointed from mid-1983 to develop a programme of field trials
	1. Reconnaissance review of the condition of Scottish mountain footpaths	Until February 1983	Dr R Aitken, consultant, Edinburgh. A field review of popularly used routes and review of other paths

	2. Review of the degradation of turf swards on hill paths in the Scottish lowlands	Until February 1983	Dr G Dickinson, University of Glasgow
<i>CCS 10</i> Review of Birch Wood Management	Desk review of existing experience and research literature relevant to the promotion, regeneration and management of birch woodland	Until early 1983	Dr I Brown, University of Aberdeen
<i>CCS 11</i> Plants and Planting Methods for the Countryside	To collate and publish advice in information sheet format for a wide range of topics concerned with planting in the countryside for amenity and recreation	Until January 1984	In-house project employing horticulturist on contract. Some sheets being prepared by outside advisors
<i>CCS 12</i> Review of Video	To review the potential uses of video techniques for onsite	Until early 1983	Carried out by Scottish Council for Educational Technology, Glasgow
<i>CCS 13</i> Informal Countryside Recreation and Handicapped People	To explore the potential for encouraging increased use of countryside recreation facilities by mentally and physically handicapped people	Until December 1982	Co-sponsored with Fife Regional Council. In-house, with a contract project officer running a programme of visits
<i>CCS 14</i> Review of Timber Preservatives	To collate technical information about timber preservatives in support of trials being undertaken at the CCS Battleby Display Centre	Until early 1983	Carried out by The Timber Research and Development Association. Output to be issued as information sheets
<i>CCS 15</i> Children's Play Provision in the Countryside	To review existing practice to establish appropriate design principles and ideas for play areas and structures, relevant to the countryside and the needs of children of different ages	Until mid-1983	Carried out by Timothy Cochrane Associates, London. Co-sponsored with FC
<i>CCS 16</i> Review of Scenic Routes in Scotland	To review experience in scenic route provision in Scotland and make recommendations for future provision by agencies and local authorities	March 1983 - December 1983	Carried out by William Gillespie and Partners. Co-sponsored with FC, STB and HIDB

### Committed New Proposals

<i>CCS 17</i> Scottish Leisure Survey	1. To examine in depth the survey data for residents of west-central Scotland, including analysis of day-trip origins and destinations	1983	
	2. To analyse SLS time-diary data	1983	Analysis to be carried out by TRRU, University of Edinburgh
<i>CCS 18</i> Recreation Site Monitoring in Lothian Region	To gather information about the use of key countryside recreation sites in Lothian Region	1983-86	A three-year programme of work is envisaged, in collaboration with the local authorities in the area. The surveys will be preceded by a survey programme design contract to be undertaken by the Tourism and Recreation Research Unit, University of Edinburgh
<i>CCS 19</i> Landscape and Wildlife Conservation on Agricultural Land	To examine the costs and implications for farming practice of conserving and enhancing the appearance of farmland and of increasing its value for wildlife	1983	Possible joint sponsorship with the East of Scotland College of Agriculture and NCC. Study farms likely to be in the Borders
<i>CCS 20</i> Litter in the Urban Fringe	To undertake action and related investigation to seek to ameliorate the dumping of litter and fly-tipping at the edge of towns	1983-85(?)	Linked to the Clyde-Calders Urban Fringe Project and the Central Scotland Woodlands Project

CCS 21 Buildings in the Countryside Stage 11	To develop design advice for new and restored buildings in the countryside, drawing on data from the Stage 1 survey of traditional rural buildings	1983	Consultants to be appointed
<b>Tentative New Proposals</b>			
CCS 22 Design and Technical Reviews for Recreation	To review design of fences and barriers in the countryside	1983 ?	Continuation of present series of short studies, aimed to support the advisory service of the Battleby Display Centre
CCS 23 Birch Wood Management	Possible trials or demonstrations following on from the review of this topic (CCS 10)		
CCS 24 The Use of Video	Possible trials or demonstrations following on from the review of this topic (CCS 12)		
CCS 25 Monitoring Recreation Participation at the National Level	Possible follow-up to the Scottish Leisure Survey to establish trends on a 3-5 year cycle		Likely method would be by omnibus survey

## RESEARCH PUBLICATIONS 1982/83

- CCS (P) 1 Countryside Commission for Scotland (1981) *Research and Development Projects: A Guide to Collaboration with the Commission*. CCS, Perth.
- CCS (P) 2 Dr R Aitken (1981) *The West Highland Way: Report of a Survey of Walkers on the Long-Distance Footpath, July to September 1981*. CCS, Perth.
- CCS (P) 3 Countryside Commission for Scotland and Fife Regional Council (1983) *Lomond Hills Project: Final Report*. CCS, Perth.
- CCS (P) 4\* Countryside Commission for Scotland and Fife Regional Council (1983) *Informal Countryside Recreation for the Mentally Handicapped and the Physically Disabled: A report on an experiment in Fife*. CCS and Fife Regional Council, Perth.
- CCS (P) 5\* Countryside Commission for Scotland (1983) *(Outdoor Education Centres in Scotland: A Report on the Situation in 1982 and on Developments since 1970)*. CCS, Perth.
- CCS (P) 6 Countryside Commission for Scotland (Compiled by Linda Faulkner) (1983) *Directory of Outdoor Education Centres in Scotland*. CCS, Perth.
- CCS (P) 7 Countryside Commission for Scotland (1982) *Battleby Display Centre Information Sheets*. Eighteen new sheets. CCS, Perth.
- CCS (P) 8 Countryside Commission for Scotland (1982) *Battleby Display Centre Plants and Planting Methods for the Countryside*. Ten new information sheets. CCS, Perth.
- CCS (P) 9\* Countryside Commission for Scotland and Fife Regional Council (1982) *Wee Mary: Report on the Second Year of an Experiment in Transport to the Countryside for Recreation*. CCS, Perth.
- CCS (P) 10\* Countryside Commission for Scotland and Fife Regional Council (1982) *Promoting Lochore Meadows Country Park: Report on an Experiment*. CCS, Perth.
- CCS (P) 11 Tourism and Recreation Research Unit (1983) *Recreation Site Survey Manual: Methods and Techniques for Conducting Visitor Surveys*. E & FN Spon, London and New York.

\* Items marked with an asterisk are available in limited numbers only.

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# DEPARTMENT OF THE ENVIRONMENT

## RESEARCH PROGRAMME 1983/84

1. The Department of the Environment's total research programme covers a wide range of topics, but relatively few of these are directly relevant to countryside recreation. The projects listed below are those which are most closely related to the aims and interests of CRRAG.
2. Although projects for 1983/84 have been approved in principle, the whole programme is subject to review.

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Recently Completed Research</b>			
<i>DOE 1</i> Small Firms in Rural Areas	To investigate whether there is evidence of conflict between government policies for conservation and policies for the promotion of the economic viability of rural areas	1981-82	Carried out by Joint Unit for Research on the Urban Environment (JURUE), University of Aston. Report to be published by JURUE. Looks at the implementation of DOE Circular 22/80
<i>DOE 2</i> Role of Farm Tourism and Recreation in the Disadvantaged Areas of South West England	To investigate the potential role of farm tourism and recreation enterprises in alleviating the socio-economic problems of disadvantaged areas and improving farm incomes	1981-83	Commissioned by European Commission under its Integrated Rural Development Initiative. Carried out at the University of Exeter. Co-sponsored with European Commission, MAFF, ETB, DC and others
<i>DOE 3</i> Amenity Grass: Wear and Tear, Phase III	To continue the investigation of performance of cultivated turf grass under conditions of wear	1981-83	Contract with NERC/ITE. Carried out at the Sports Turf Research Institute, Bingley. Technical reports prepared by STRI
<i>DOE 4</i> Amenity Grass Drainage Review	To study the role of soil moisture and drainage in determining the quality of amenity grassland	1981-83	Contract with the Sports Council. Carried out at STRI
<b>Current Research</b>			
<i>DOE 5</i> Deprivation in Rural Areas	To examine the socio-economic conditions of people in a range of rural areas with different physical, demographic and economic features and assess possible solutions	1981-83	Carried out by Chelmer Institute of Higher Education. To discover if 'rurality' causes or aggravates deprivation
<i>DOE 6</i> Decision-Making for Rural Areas	To analyse the effects of public policy decisions in three case study areas and to compare them with residents' needs	1981-83	Carried out at University College, London. The study aims to improve the co-ordination of rural policies
<i>DOE 7</i> Potential Development of Mobile Services in Rural Areas	to assess the potential of mobile services to meet the decline in village-based services	1981-83	Carried out at the University of East Anglia. Will suggest forms of service for further development
European Commission Integrated Rural Development Initiative Research Programme		1981-84	Projects commissioned by the European Commission and co-sponsored by EC, MAFF, DOE, DC, ETB and others
1. <i>DOE 8</i> Integrated Rural Development in Two Disadvantaged Areas	To assess current policies and initiatives to foster rural development and their integration in case study areas (Cumbria and Mid-Wales)	1981-83	Carried out by Rural Planning Research Trust

2. <i>DOE 9</i>	The Potential for Integrated Rural Development of the Less Well Favoured Areas of the South West of England	To survey conditions and aspirations of residents and ecological and economic potential of the area	1981-83	Carried out by Dartington Amenity Research Trust (DART). Current policies will be assessed against the potential and recommendations for change made
3. <i>DOE 10</i>	Case Studies of Integrated Rural Development in the Peak District National Park	To evaluate by experimental trials, the application of an integrated programme of rural development in the Peak District National Park	1981-83	Carried out by the Peak Park Joint Planning Board
<i>DOE 11</i>	Effects of Flow Regime on the Recruitment of Young Stages of Salmonid Fishes	To study the major factors of river flow concerning young stages of salmonids (egg-laying to swim-up fry) in the context of changes of regime brought about by river regulation	Phase I 1977-81 Phase II 1981-85	Carried out by the Freshwater Biological Association. Should suggest method to minimise damage and/or maximise benefits. Co-sponsored with WRC, NERC Science Vote. WA assistance in kind
<i>DOE 12</i>	Environmental Standards for freshwater Fish and Life	To provide information as to toxicity of various pollutants to various fish and invertebrates, in connection with EC Directives	1981-84	Carried out by Water Research Centre, Marlow
<i>DOE 13</i>	Analysis of Natural River Communities	To establish natural groupings of invertebrates in unpolluted rivers in relation to physical and chemical parameters	Phase I 1977-81 Phase II 1981-84	Carried out by Freshwater Biological Association. Phase II tests, extends and refines Phase I classification. Co-sponsored with NERC Science Vote. Assistance in kind from WAS
<i>DOE 14</i>	Water Resource Implications of Upland Management	To investigate changes in water run-off resulting from afforestation, deforestation and conversion of bracken etc to pasture	1981-84	Carried out in Scotland by Institute of Hydrology. Co-sponsored with SDD, WRC, NSHEB, DEN, FC, BWB and NERC Science Vote. Local authority assistance in kind.
<i>DOE 15</i>	Upland Management with Special Reference to Forestry and Water Quality	To monitor changes in water quality resulting from extensive clear felling, and re-afforestation, expected in the next 30-50 years	1981-85	Carried out at a number of sites in England and Wales. Carried out by Freshwater Biological Association, Windermere, with input from Institute of Hydrology and ITE. Co-sponsored with Welsh Office (for work in Wales) and NERC Science Vote

### Provisionally Committed New Research

<i>DOE 16</i>	Rural Analysis of Census Data	To produce an up-to-date definition of urban and rural areas and re-analyse 1981 Census small area statistics accordingly, to show changes in rural areas since 1971	1983-84	Definitions produced by Ordnance Survey, OPCS and DOE. Contractor for analysis to be decided
<i>DOE 17</i>	National Remote Sensing Centre	To continue DOE's contribution to the support of the Centre to enable further investigation of the potential uses of remote sensing to DOE	1983-86	Centre set up by DOI in 1978 with co-sponsorship from other Government departments
<i>DOE 18</i>	Mineral Workings and Amenity Reclamation	To collate and evaluate existing information in order to provide appropriate guidance on requirements for initial restoration and subsequent aftercare where mineral workings are reclaimed for amenity use	1983-84	Contractor to be decided. Relates to new provisions in Town and Country Planning (Minerals) Act 1981 for aftercare of workings
CC28	Monitoring Landscape Change	(see CC programme for details)	1983-86	Co-sponsored with NCC and Countryside Commission. Contractors to be appointed



<i>DOE 19</i>	The Future of Rural Common Land	To examine the condition and use of rural common land in different parts of the country, its agricultural and recreational potential and the means by which conflicts between the two can be minimised	1983-84	Contractor to be appointed
<i>DOE 20</i>	Operation Groundwork: Making the most of Greenspace	To examine methods for reducing the maintenance costs of new landscapes created through CC Operation Groundwork and to develop a practical manual for use by local authorities and landscape managers	1983-86	To be undertaken by the Operation Groundwork Trust (see CC2 and CC3 for further details of Operation Groundwork)
<i>DOE 21</i>	Low Maintenance Amenity Grassland	To examine cultivars and growth retardants most suitable for grassed areas where there is a need to reduce mowing and maintenance costs	1983-86	To be carried out at STR1
<i>DOE 22</i>	Amenity Grasses for Derelict Inner City Areas	To examine cultivars most suitable for good establishment and minimum maintenance on the poor soil conditions of derelict inner city areas	1983-86	To be carried out at STR1
<i>FC5</i>	Arboricultural Research	To continue research into tree establishment and tree decay to aid the DOE Arboricultural Advisory and Information Service	1983-86	Co-sponsored with FC and carried out at FC Research Station, Alice Holt, Farnham, Surrey
<i>DOE 23</i>	Aid to Village Shops	To assess the effectiveness of schemes to maintain village shops	1983-84	Co-sponsored with DC, Contractor to be appointed
<i>DOE 24</i>	The contribution of Micro-Technology to Rural Accessibility in the 1980s	To assess the likely availability of electronic service provision to rural areas during the 1980s	1983-84	Contractor to be appointed. Focuses on the use of new information and ordering services in rural areas. Supplements research by Department of Transport into the effects of micro-technology on transport services
<i>DOE 25</i>	Environmental Education	To investigate the use and effectiveness of environmental education programmes	1983-84	To be undertaken by the Council for Environmental Education

## RESEARCH PUBLICATIONS 1982/83

Institute of Terrestrial Ecology (1982) *Vegetation Change in Upland Landscapes*. Institute of Terrestrial Ecology, Cambridge.  
 Contact for Enquiries: Laurie Brett, Principal Planning Officer, Directorate of Rural Affairs, Department of the Environment, Room 201B, Tollgate House, Houlton Street, Bristol BS2 9DJ. (0272-218146/218142)

# ENGLISH TOURIST BOARD

## RESEARCH PROGRAMME 1983/84

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Continuous/Annual Research</b>			
<i>ETB 1</i> British Home Tourism Survey (BHTS)	Comprehensive survey of all overnight trips taken by British residents	Continuous Since 1971	Commissioned by ETB on behalf of BTA, STA and WTB. Carried out by NOP Market Research Limited
<i>ETB 2</i> English Hotel Occupancy Survey	To survey bed and room occupancy, duration of stay and proportion of arrivals from overseas at a sample of hotels in England	Monthly	Carried out by British Market Research Bureau (BMRB)
<i>ETB 3</i> Holiday Intentions Survey	To survey British residents' intentions to take a holiday of four nights or more during the forthcoming season.	Annual	Carried out by NOP Market Research Limited
<i>ETB 4</i> Forecasts of Tourism by British Residents	To forecast the demand for tourism by British residents five years hence	Annual	Carried out by Pannell Kerr Foster Associates. Based on a computerised model of demand
<i>ETB 5</i> English Heritage Monitor	To analyse England's historic attractions in terms of their number, type, presentation and visitor trends	Annual	Compiled in-house
<i>ETB 6</i> Sightseeing in England	To analyse the use and capacity of all kinds of visitor attractions in England	Annual	Compiled in-house on the basis of a survey of visitor attractions through England
<i>ETB 7</i> Tourism Growth Points Monitoring	To study changes in tourism, its socio-economic circumstances and environmental impact in the areas of two special schemes to promote tourism in Scarborough and the North Pennines	Annual	Compiled in-house with contributory surveys commissioned from BMRB Ltd., A.C. Nielsen, Durham University and Auditplan
<i>ETB 8</i> Leisure Day Trips	To survey the incidence, frequency, characteristics and spending of British residents taking day trips for leisure purposes in the third quarter of the year	1981 - early 1983	Fieldwork carried out by Research Surveys of Great Britain in 1981 and 1982 using a leisure diary technique
<i>DOE 2</i> Role of Farm Tourism and Recreation in the Disadvantaged Areas of South West England	(See DOE programme for details)	1981-83	Co-sponsored with European Commission (under the Rural Development initiative), MAFF, DOE, DC and others and carried out at Exeter University
<i>CC 6</i> East Fellside and Alston Moor Project	(See CC programme for details)	1981-86	Sponsored by CC, DC, ETB, Eden District Council and others
<i>ETB 9</i> Brighton Tourism Study	To examine Brighton's current tourism, its economic impact, future prospects and resources to aid future marketing and development	1982-83	Co-sponsored with Brighton Council, East Sussex County Council and others
<i>ETB 10</i> Bank Holiday Poll	To survey a selection of major attractions and resorts throughout England to get an impression of visitor numbers at Bank Holidays	Spring and Summer 1983	Carried out by Research of Great Britain on 4 Bank Holidays in 1983

<i>ETB 11</i>	Chester Tourism Study	To examine Chester's current tourism, resources and prospects and advise on future marketing and development	1983-84	Co-sponsored with Cheshire County Council
<i>ETB 12</i>	Winchester Tourism Study	To examine the city's current visitors, their economic impact, residents' opinions of tourism, the city's tourist resources and prospects and advise on future marketing and development	1983-84	Co-sponsored with Winchester Council
<i>ETB 13</i>	New Forest Tourism Study	To examine tourists and day visitors to the Forest, to aid future marketing and management	1983-84	Co-sponsored with New Forest DC, Montagu Ventures, Southern Tourist Board
<i>ETB 14</i>	Oxford Visitor Survey	To survey visitors to the city during a two month summer period to find out their awareness, use and opinions of interpretive and tourist		The research arises from a visitor management project in Oxford. Co-sponsored with Madame Tussaud's information provision
<i>ETB 15</i>	Interpretation of Historic Gardens	To survey owners of historic gardens regarding garden opening, facilities provided, problems arising and investigate owners' objectives and policies, especially on providing information for visitors	Completed 1983	Published as <i>Visiting Historic Gardens</i> , Research Paper 41, Planning Research Unit, School of Planning and Environmental Studies, Leeds Polytechnic, Brunswick Terrace, Leeds LS2 8BU
<i>ETB 16</i>	English Churches and Tourism Study	To survey information on catering for visitors in all Anglican churches in England	1983-84	The study follows the publication of <i>English Cathedrals and Tourism</i> and requests for a similar study of parish churches

### Tentative New Proposals

<i>ETB 17</i>	Countryside Holiday Preferences	To identify the type of facilities sought by British tourists likely to undertake an activity holiday in the countryside and the preferred organisation and management of such facilities	1983	Qualitative research involving group discussions. Research outline prepared in association with the Holiday Fellowship, Countryside Holidays Assn and Youth Hostels Assn
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### Committed New Proposals

<i>CCS 17</i>	Scottish Leisure Survey	1. To examine in depth the survey data for residents of west-central Scotland, including analysis of day-trip origins and destinations 2. To analyse SLS time-diary data	1983 1983	Analysis to be carried out by TRRU, University of Edinburgh
<i>CCS 18</i>	Recreation Site Monitoring in Lothian Region	To gather information about the use of key countryside recreation sites in Lothian Region	1983-86	A three-year programme of work is envisaged, in collaboration with the local authorities in the area. The surveys will be preceded by a survey programme design contract to be undertaken by the Tourism and Recreation Research Unit, University of Edinburgh
<i>CCS 19</i>	Landscape and Wildlife Conservation on Agricultural Land	To examine the costs and implications for farming practice of conserving and enhancing the appearance of farmland and of increasing its value for wildlife	1983	Possible joint sponsorship with the East of Scotland College of Agriculture and NCC. Study farms likely to be in the Borders

CCS 20 Litter in the Urban Fringe	To undertake action and related investigation to seek to ameliorate the dumping of litter and fly-tipping at the edge of towns	1983-85 (?)	Linked to the Clyde-Calders Urban Fringe Project and the Central Scotland Woodlands Project
CCS 21 Buildings in the Countryside Stage II	To develop design advice for new and restored buildings in the countryside, drawing on data from the Stage I survey of traditional rural buildings	1983	Consultants to be appointed
<b>Tentative New Proposals</b>			
CCS 22 Design and Technical Reviews for Recreation	To review design of fences and barriers in the countryside	1983 ?	Continuation of present series of short studies, aimed to support the advisory service of the Battleby Display Centre
CCS 23 Birch Wood Management	Possible trials or demonstrations following on from the review of this topic (CCS 10)		
CCS 24 The Use of Video	Possible trials or demonstrations following on from the review of this topic (CCS 12)		
CCS 25 Monitoring Recreation Participation at the National Level	Possible follow-up to the Scottish Leisure Survey to establish trends on a 3-5 year cycle		Likely method would be by omnibus survey

## RESEARCH PUBLICATIONS 1982/83

### Annual Publications

- ETB (P) 1 ETB (1982) *English Hotel Occupancy Survey* (Monthly reports and annual summary).
- ETB (P) 2 BTA/ETB/STB/NTB (1982) *British Home Tourism Survey 1981* (BHTS)
- ETB (P) 3 ETB (1982) *English Heritage Monitor 1982*
- ETB (P) 4 ETB (1982) *Forecasts of British Tourism Demand 1981-1986*
- ETB (P) 5 ETB (1982) *Holiday Intentions Survey 1982*
- ETB (P) 6 ETB (1982) *Sightseeing in 1981*
- ETB (P) 7 ETB (1982) *Proposed Major Conference Centres in England: Plans in 1982*
- ETB (P) 8 ETB (1982) *England's Tourism*
- ETB (P) 9 ETB (1982) *Tourism Regional Fact Sheets 1981* Statistical digests on tourism for each of the 12 ETB regions

### Other Publications

- ETB (P) 10 ETB (1981) *Holiday Entitlements and Holidaymaking 1973-1980*
- ETB (P) 11 ETB (1982) *Academic Research into Leisure, Recreation and Tourism*
- ETB (P) 12 ETB (1982) *Torbay Tourism Study*
- ETB (P) 13 Medlik S. for ETB (1982) *Trends in Tourism: World Experience and England's Prospects*
- ETB (P) 14 ETB (1982) *Visitors to Museums Survey 1981*
- ETB (P) 15 ETB (1982) *Interpretive Techniques at Historic Buildings*
- ETB (P) 16 ETB (1982) *Holiday-Taking Behaviour of Applicants for the 1981/1982 "Let's Go" Booklet*
- ETB (P) 17 ETB (1982) *The Provincial Theatre and Tourism in England*

Contact for enquiries: Ian Rickson, Planning Research Manager, English Tourist Board, 4 Grosvenor Gardens, London SW1W 0DU (01-730 3400 ext 144)

# FORESTRY COMMISSION

## RESEARCH PROGRAMME 1983/84

The restriction of funds available for recreation development by the Forestry Commission has curtailed the amount of recreation research being undertaken for the present. The amount of research has also been constrained by a shortage of staff time.

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current Research</b>			
<i>FC1</i> Development of the Orienteering Map for Wayfaring	To revise the wayfaring map to improve comprehension by the public and revise techniques for course layout	1981-83	In-house at FC, Edinburgh. Project nearing completion
<i>FC2</i> Midge Control in and around Recreation Facilities	To investigate what effective control measures (if any) of the main biting species of midge are possible at campsites and cabins	1982-84	Co-sponsored with NERC Carried out at the Department of Zoology, University of Edinburgh
<i>CCS16</i> Children's Play Provision in the Countryside	(See CCS programme for details)	Until mid-1983	Carried out by Timothy Cochrane Associates, London. Co-sponsored with CCS
<i>CCS16</i> Review of Scenic Routes in Scotland	(See CCS programme for details)	March 1983 - December 1983	Carried out by William Gillespie and Partners. Co-sponsored with CCS, STB and HIBD
<i>FC3</i> The Effectiveness of Interpretive Programme Based on Visitor Centres	To enable visitor centre managers to monitor the effectiveness of existing interpretive programmes	Until mid-1983	Carried out at the Department of Psychology, University of Surrey. Publication during 1983
<i>FC4</i> Census of Trees and Woodlands	To enumerate trees and woodlands over the whole of Great Britain	Until mid-1983	In-house at FC, Edinburgh. Will be published with County and District summaries
<i>FC5</i> Arboricultural Research	To continue a variety of research projects (See DOE programme for details)	1983-86	Co-sponsored with DOE. Carried out in-house at FC Research Station, Alice Holt, Farnham, Surrey*

### Tentative New Proposals

<i>FC6</i> Time Spent by Visitors on Activities in the Forest	To survey time forest visitors to help improve the design of forest car parks, picnic places and associated recreation facilities		
<i>FC7</i> Use of Computer Techniques in Forest Design	To assess the applicability of computer techniques to forest design		In-house with advice from specialist consultants

### RESEARCH PUBLICATIONS 1982/83

Recreation Facilities Branch issued no publications in this period. Details of all Forestry Commission research published in 1982/83 are contained in *Forestry Commission (1982 Report on Forest Research 1982)*, HMSO, London.

\* Detailed information on all woodland and arboricultural projects is available from the Principal Research Communications Officer at FC Research Station, Alice Holt, Farnham. Arboriculture research notes are issued as part of the DOE's Arboricultural Advisory and Information Service.

Contact for enquiries: Duncan Campbell, Principal Forest Officer, Forestry Commission, 239 Corstorphine Road, Edinburgh EH12 7AT, Scotland.  
Tel: 031-334-0303

# MINISTRY OF AGRICULTURE, FISHERIES AND FOOD

## RESEARCH PROGRAMME 1983/84

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current Research</b>			
<i>MAFF 1</i>	Peri-urban Agriculture and a Resource Planning Problem in Yorks/Lancs area	To identify the problems of peri-urban agriculture and their causes	Completion in 1983
<i>MAFF 2</i>	Operation Groundwork Project - Agricultural Survey	To assess the nature and extent of urban fringe problems in the Groundwork area and encourage conservation and landscape improvements and optimum use of farmland	1983 Operation Groundwork sponsored by CC. Full-time MAFF adviser reporting to Farming Advisory Group of Groundwork Trust (see CC programme CC2 & CC3 for details of the project proper)
European Commission Integrated Rural Development Initiative Research Programme		1981-84	Projects commissioned by European Commission and co-sponsored by the EC, MAFF, DOE, DC, ETB and others
1. <i>DOE 8</i>	Integrated Rural Development in two Disadvantaged Areas (Cumbria and Mid-Wales)	(See DOE programme for details)	1981-83 Carried out by Rural Planning Research Trust
2. <i>DOE 9</i>	Potential for Integrated Rural Development of the Less Favoured Areas of the South West of England	(See DOE programme for details)	1981-83 Carried out by Dartington Amenity Research Trust. Current development policies will be evaluated in the light of findings and recommendations made for change as required
3. <i>DOE 10</i>	Case Studies of Integrated Rural Development in the Peak District National Park	(See DOE programme for details)	1981-83 Carried out by Peak Park Joint Planning Board
4. <i>DOE 2</i>	Farm Tourism and Recreation in the Disadvantaged Areas of South West England	(see DOE programme for details)	1981-83 Carried out at the University of Exeter
<i>MAFF 3</i>	Conservation Checklist	To develop a conservation checklist to enable identification of semi-natural habitats on farms with possible conservation value	1982-83
<i>MAFF 4</i>	Development of Conservation Atlas and Manual	To check the methodology required to compile a conservation atlas and manual	1982-83
<i>MAFF 5</i>	Use of Colour Infra-Red Aerial Photography in MAFF Hills and Uplands Classification	To assess the usefulness of colour IR aerial photography of Dartmoor NP in assigning categories of land to MAFF "Hill and Upland" Classification	1983-84
<i>CC 13</i>	New Agricultural Landscapes Project	(see CC programme for details)	1983-85 Co-sponsored with CC
<i>MAFF 6</i>	Appearance and Aesthetics of the Built Rural Environment	To study and evaluate the principles of siting, harmony between buildings and topography, colour relationship, exposition of function and appearance in rural buildings	Completion 1984

<i>MAFF 7</i>	Redundant Farm Buildings in England and Wales	To define the nature and scope of present and future problems and opportunities for farm buildings no longer required for agriculture	Completion 1983	
<i>CC 15</i>	Demonstration Farms Programme, Phase III	(see CC programme for details)	On-going	Co-sponsored with CC, FC and NCC
<i>MAFF 8</i>	Conservation and Wildlife Investigations	To provide information on which to base wildlife and landscape conservation advice in farm management	Completion 1984	Carried out at Crewe Farm and Eastwood Farm, NAC, Stoneleigh and Checkley Brook, Cheshire
<i>MAFF 9</i>	Hedge Maintenance and Wildlife Conservation	To investigate methods of hedge trimming and maintenance and consider their effects on wildlife	Completion 1985	Co-sponsored with CC
<i>MAFF 10</i>	Hedgerow Management Layering Trial	To monitor different systems of layering derelict and gappy hedges to assess improvements in stock-proofing and wildlife habitat	Completion 1995	
<i>MAFF 11</i>	Hedgerow Treatment and Conservation Project (Wiltshire Estate)	To research and monitor different types of treatment on overgrown hedges and examine growth and response of different species of newly planted trees in varying ground conditions	Completion 1986	
<i>MAFF 12</i>	Hedge Establishment in Upland Areas	To study the effects on growth, shelter and amenity of four treatments in establishing a quick thorn hedge in exposed upland area	Completion 1985	
<i>MAFF 13</i>	Hedge Management Sloping Trial	To monitor various methods of mechanically trimming hedges to different shapes and their effects on wildlife	Completion 1995	
<i>MAFF 14</i>	Observation Study of Reasons for and Techniques of Planting Trees for Conservation Purposes	To investigate planting of — in small groups or individually — of trees and shrubs for conservation of wildlife on farms	Completion 1984	
<i>MAFF 15</i>	Fencing and Conservation	To investigate suitable types of fencing, including mains electric, which will meet agricultural needs and integrate with conservation	Completion 1985	Co-sponsored with CC
<i>MAFF 16</i>	Drainage Improvement and Wetland Conservation	To determine if the integrity of a small wetland community can be maintained in close proximity to agricultural land subject to drainage and other improvements	Completion 1987	
<i>MAFF 17</i>	The Effect on the Water Regime of an SSSI of Drainage of Adjacent Arable Areas	To monitor the future water regime of a recently drained site which attempts to improve agricultural productivity whilst preserving an SSSI	Completion 1987	
<i>MAFF 18</i>	Observation Study of Biological Control of Aquatic Weeds in Lakes and Reservoirs	To continue observation of investigation reservoirs and to extend observations of weed control by grass carp	Completion 1985	

### Tentative New Proposals

<i>MAFF 19</i>	Use of Computer Methods in the Interpretation and Analysis of Land Use and Land Evaluation Data	To set up a trial land use and land evaluation data base	Completion 1985	In conjunction with Brighton Polytechnic. Feasibility study of creation, use and benefits of such a data base
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## RESEARCH PUBLICATIONS 1982/83

- MAFF (P) 1 MAFF (1983) *Land Use, Conservation and Land Economics - Research and Development Reports 1981/82*. MAFF Booklet.
- MAFF (P) 2 MAFF (1982) *Farming and the Countryside*. MAFF Booklet 2384.
- MAFF (P) 3 MAFF (1982) *Converting old farm buildings*. MAFF Booklet 2407.
- MAFF (P) 4 MAFF (1982) *New Uses for Surplus Farm Buildings*. MAFF Leaflet No 805.
- MAFF (P) 5 MAFF, Land and Water Service (1982) *Farm Lottng Project*. R & D Report No RD/LMC/01.
- MAFF (P) 6 MAFF (1979) *Farmhouse and Self-Catering Accommodation on the Farm*. MAFF Booklet No 2005.
- MAFF (P) 7 MAFF (1980) *Caravan and Camping Sites on the Farm*. MAFF Booklet No 2006.
- MAFF (P) 8 MAFF (1982) *Fish for Food and Sport*. MAFF Booklet No 2007.
- MAFF (P) 9 MAFF (1980) *A Guide to Non-Agricultural Income on the Farm*. MAFF Booklet No 2013.

*Contact for Enquiries:* Lindsay Cornish, Senior Research Officer, Ministry of Agriculture, Fisheries and Food, ADAS, Burghill Road,  
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(0272-500000 Ext 4353)



# NATURAL ENVIRONMENT RESEARCH COUNCIL

## RESEARCH PROGRAMME 1983/84

The projects listed are all current in 1983/84. NERC research on topics relevant to recreation and amenity interests is carried out mainly by the Institute of Terrestrial Ecology (ITE), with a smaller programme of work at the Freshwater Biological Association (FBA). Some of this research is commissioned; the source of any outside funding is indicated, as is the location of projects within ITE. NERC also supports work at universities, polytechnics and other organisations through the award of research grants and studentships. Relevant awards are listed.

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current Research</b>			
<i>1. Freshwater Biological Association</i>			
<i>NERC 1</i> Aquatic Macrophytes, including Water Weeds	To study general biology towards modelling growth and devising methods of control that maintain optimum river ecology	Continuing	In co-operation with University of Southampton and Hydraulics Research Station
<i>NERC 2</i> Natural History* of Freshwater Invertebrates	To study taxonomy and ecology of freshwater invertebrates and their role as food for fish and indicators of water quality	Continuing	
<i>NERC 3</i> Ecology of Coarse Fish in Rivers	To study ecology of principal species (eg dace, roach, pike, chub) to determine factors controlling abundance and inter-relations	Continuing	Co-sponsored with MAFF
<i>NERC 4</i> Long-term Population Dynamics of Salmon, Trout and other Fish in Chalk Streams	To study the population dynamics of salmon, parr and trout and their relationship with eels	Continuing	Co-sponsored with MAFF
<i>NERC 5</i> Migratory Behaviour of Salmon in River Frome	To monitor salmon movement by means of automatic counter and relate to environmental factors	Continuing	Liaison with Wessex Water Authority. Data for 12 years being collated for publication
<i>NERC 6</i> Changes in the Fish populations in the Upper Tees	To describe the changes in fish populations after building Cow Green Reservoir and development of trout fisheries		Descriptive phase largely complete, some observations on trout continuing. Liaison with Northumbrian WA
<i>NERC 7</i> Recruitment of Salmon and Trout in relation to River Flow Regimes	To determine the effects of river flow and related factors on the survival of the eggs and young of salmon and trout	Continuing	Funded by DOE, WRC and MAFF. Collaboration with Northumbrian WA
<i>NERC 8</i> The Long-Term Effects of Experimental and Natural Factors on the Population Dynamics of Fish in Windermere	To determine factors and mechanisms controlling recruitment, growth and mortality of perch, pike, charr and trout and their inter-relations	Continuing	Liaison with Marine Laboratory Aberdeen
<i>NERC 9</i> Invertebrate Ecology and Trout Feeding in Stony Streams	To study quantitatively the relationships between the population dynamics of stream invertebrates and the feeding and growth of trout	Continuing	Data on food/ growth of trout also relevant to culture for stocking
<i>NERC 10</i> The Ecology and Periodicity of Algae in Lakes and Reservoirs	To determine the factors controlling the population dynamics and species of plankton algae and methods of avoiding blooms		Co-sponsored with DOE

2. Institute of Terrestrial Ecology (ITE)			
NERC 11 Assessing Butterfly Abundance	To provide a simple method of monitoring the abundance of butterflies in nature reserves	Until March 1984	NCC contract
NERC 12 Establishment of Herb rich Swards	To collect, store and test as many chalk grassland and meadow species as possible		NCC contract
NERC 13 Sand Dune Ecology in East Anglia	To provide information on the effects of public pressure on sand dunes, with special reference to the maintenance of their wildlife interest	Until April 1984	
NERC 14 Roadside Studies	To determine the long term effects of various management practices on the vegetation of roadside verges	Until March 1984	
NERC 15 Amenity Grass Studies	To compare, particularly in terms of the effect of period of establishment on wear tolerance, mixtures of (i) <i>Lolium perenne</i> and <i>Poa pratensis</i> and (ii) <i>L. perenne</i> , <i>Festuca rubra</i> and <i>Agrostis tenuis</i>	Until March 1983	DOE contract
NERC 16 Bracken and Scrub Control on Lowland Heath	To assess the effectiveness of herbicides to control the invasion of birch in heathlands	Until April 1983	NCC contract
NERC 17 Modelling Sports Turf Wear	To define the essential plant variables of a sports turf system. This will involve establishing the relationship between plant variables such as percentage cover, tiller density, shoot biomass, shoot productivity and root biomass and thereby determine the information required to understand the results of sports turf trials	Until December 1983	
NERC 18 Amenity Grass Irrigation	To build up experimental facilities at Monk's Wood to provide control and monitoring of the major variables concerned in the study of amenity grass and other vegetation surfaces	Until August 1983	DOE contract
NERC 19 Restoration of Heathland	To investigate methods for restoring heathland vegetation on abandoned agricultural land	Until August 1984	
NERC 20 Long-Term Studies of Vegetation Change at Moor House NNR	To monitor long-term experiments at Moor House NNR investigating the effects of sheep grazing and burning of upland vegetation	Until 1992	
<i>Merlewood Research Station, Grange-over-Sands</i>			
NERC 21 Semi-natural Woodland Classification	To develop an efficient user-orientated method of classifying the ecosystems of semi-natural woodlands in Britain	Until December 1983	
NERC 22 Monitoring at Stonechest	To estimate the rate and direction of changes in the ecosystem resulting from drainage, game management and woodland management	Until 1991	
NERC 23 Management Effect in Lowland Coppices	To review existing published and unpublished information on the effects of management and to survey vegetation associated with existing examples of differently managed coppices (or former coppices)	Until 1984	
NERC 24 Monitoring of Native Pine Woods	To monitor the changes in ground vegetation and natural regeneration of tree species following the fire of March 1974 at Coille Loch SSSI, Sheildaig, Scotland	Until March 1983	
<i>Bush Laboratory, Edinburgh</i>			
NERC 25 Arboriculture	To identify and classify the types, extent and distribution of derelict and reclaimed derelict land in Britain	Until December 1983	
<i>University of East Anglia</i>			
NERC 26 Survey of Scottish Coasts	To provide information which will form the basis for conservation evaluation of individual sites within specified soft coast formations in Scotland		
NERC 27 Coastal Dune Management	To review and prepare a critique of existing advice on the management of sand dunes so as to prepare a Dune Management Guide		
NERC 28 Coastal Management	To build up information on coast management, provide advice and disseminate information		
<i>Banchory Research Station, Kincardineshire</i>			
NERC 29 Management of Grouse and Moorlands	To follow up an experiment to increase grouse numbers in West Scotland by changes in land management and to continue to give advice on grouse management, moorland management and land use		

<i>NERC 30</i> Monitoring of Human Impact in the Cairngorms	To monitor the status and performance of hill birds in relation to human impact and assess human impact on other aspects of the mountain environment		
<i>NERC 31</i> Habitat Requirements of Black Grouse	To assess habitats and food of black grouse broods in summer and flocks in winter	Until 1986	World Pheasant Association contract
<i>Bangor Research Station, Gwynedd</i>			
<i>NERC 32</i> Management of Sand Dunes in Wales	To assess the effectiveness of cutting in controlling <i>Hippophae</i> in relation to different aged stands	Until December 1983	
<i>NERC 33</i> Age Class of Amenity Trees	To investigate size/age relationships in selected amenity tree species as a means of estimating age class distribution of amenity tree populations and life expectancy of trees in a wide range of amenity situations	Until March 1984	
<i>NERC 34</i> Terrestrial Environment Information System (TEIS)	To define potential customers for TEIS and potential uses for its data and information and to reflect these requirements in the design of the system	Until 1985	TEIS will be developed by consultation with users of terrestrial environment information in ITE and in other NERC institutes and with ecologists in government departments, local government, NCC, FC, National Parks, WA's universities and industry; and by content analysis of ITE requests for information and advice
<i>NERC 35</i> Rhododendron in Snowdonia	To attempt to understand the invasive behaviour of <i>Rhododendron ponticum</i> and devise effective control measures. To survey rhododendron in Snowdonia and advise the NPA on the best strategy for control		At proposal stage
<i>Furzebrook Research Station, Wareham, Dorset</i>			
<i>NERC 36</i> Scrub Succession at Aston Rowant	To assess the effects of a single treatment of rotovation and burning of continuous grazing and of no treatment on the colonization of chalk grassland by woody plants	Until 1988	
<i>NERC 37</i> Scrub Management at Castor Hanglands	To create structural and floristic diversity by means of different age classes of shrubs and trees, and to maintain the diversity of serial shrub communities and the associated faunas, with special reference to birds insects	Until 1985	
<i>3. Research Supported at Universities</i>			
<i>NERC 38</i> Differences in Adaptation and Tolerance to Acid Waters in Various Trout	To determine which stocks might be useful for restocking in areas where fish are depleted or absent due to increased acidity	October 1979 - October 1983	Professor W T W Potts, Department of Biological Sciences, University of Lancaster
<i>NERC 39</i> The Role of Drainage Dykes in the Ecology of Coarse Fish	To assess the status of fish communities associated with various categories of drainage dykes in the tidal East Anglian river system and their importance as spawning sites and refuges for young fish	October 1982 - October 1985	Dr C R Townsend, Department of Biological Sciences, University of East Anglia
<i>NERC 40</i> Effects of Grass Carp on Aquatic Ecosystems	To analyse the effects on a shallow, slow flowing channel ecosystem of introducing high stocking densities of grass carp, especially the influence on weed species and also on indigenous fish	February 1982 - February 1983	Dr J W Eaton, Department of Botany, University of Liverpool
<i>NERC 41</i> Population Genetics and Ecology of the Brown Trout in Lake Systems	To investigate natural and hatchery stocks and their genetic, ecological and reproductive differences	October 1981 - October 1984	Dr A Ferguson, Department of Zoology, Queens University, Belfast

<i>NERC 42</i> Changes in Grassland: Branton Burrows	To describe and explain changes in dry dune grasslands	June 1981 - June 1984	Dr J F Hope-Simpson, Department of Botany, University of Bristol
<i>NERC 43</i> The Improvement of Hardwoods (especially Oak) for the British Lowlands	To develop methods of raising large numbers of trees for planting in small woods	July 1981 - July 1984	P J Wood, Department of Agriculture and Forestry, University of Oxford
<i>Research Studentships*</i>			
<i>NERC 44</i> The Re-establishment of Communities of Perennial Plants Communities of		1979-82	B G Finegan, Department of Applied Biology, Cambridge, Supervisor (R N Humphries). CASE award with Thurrock Borough Council
<i>NERC 45</i> Terrain Analysis and Representation with Particular Reference to Recreational Topographic Maps		1982-85	M R Cape, Department of Geography, University of Glasgow (J S Keates). CASE award with Ordnance Survey
<i>NERC 46</i> Variability in Heading Behaviour in Amenity Grasses and its Economic Significance		1980-83	E Baker, Department of Botany, University of Liverpool (Prof A D Bradshaw)
<i>NERC 47</i> Population Dynamics of <i>Spartina</i> and Predictions for the Dee Estuary		1981-84	M J Hill, Department of Botany, University of Liverpool (Dr T M McNeilly). CASE award with NCC
<i>NERC 48</i> Boat Traffic as a Factor in the Ecology of Freshwater Plants		1982-85	J A Leadbeater, Department of Botany, University of Liverpool. (Dr J Eaton)
<i>NERC 49</i> Morphological and Ecological Consequences of River Channelisation		1981-84	A Brockes, Department of Geography, University of Southampton (Prof K J Gregory). CASE award with FBA

## RESEARCH PUBLICATIONS 1981/82

### *Freshwater Biological Association*

Westlake D F (1981) Temporal changes in aquatic macrophytes and their environment. In: *Dynamique de populations et qualite de l'eau*, edited by H Hoestlandt, 110-38. Paris, Gauthier-Villars.

Westlake D F (1981) The development and structure of aquatic weed populations. In *Proc Conf Aquat Weeds Control* 33-47. Wellesbourne, Association of Applied Biologists.

Dawson F H (1981) The reduction of light as a technique for the control of aquatic plants — an assessment. In *Proc Conf Aquat Weeds Control*. Wellesbourne, Association of Applied Biologists.

Thommen G H and Westlake D F (1981) Factors affecting the distribution of populations of *Apium nodiflorum* and *Nasturtium officinale* in small chalk streams. *Aquat Bot* 11, 21-36.

Mills C A (1981) The spawning of roach *Rutilus rutilus* L in a chalk stream. *Fish Mgmt* 12, 49-54.

Mills C A (1981) The attachment of date *Leuciscus leuciscus* L. eggs to the spawning substratum and the influence of changes in water current on their survival. *J Fish Biol* 19, 129-34

*Institute of Terrestrial Ecology*

- Angel H, Duffey E, Miles J, Ogilvie MA, Simms E and Teagle W G (1981) *The natural history of Britain and Ireland*. London, Joseph.
- Bayfield N G, Urquhart U H and Cooper S M (1981) Susceptibility of four species of *Cladonia* to disturbance by trampling in the Cairngorm mountains, Scotland. *J Appl Ecol* 18, 303-310.
- Boorman L A and Fuller R M (1981) The changing status of reewswamp in the Norfolk Broads. *J Appl Ecol* 18, 214-169
- Good J E G, Wilson J and Last F T (1981) Clonal selection of amenity trees. In: *Research for practical arboriculture*, 109-118. Forestry Commission Occasional Paper No 10. Edinburgh, Forestry Commission.
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- Contact for enquiries: Dr Ann Booth, Natural Environment Research Council, North Star Avenue, Swindon, Wiltshire SN2 1EU (0793-40101 Ext 486)

# NATURE CONSERVANCY COUNCIL

## RESEARCH PROGRAMME 1983/84

\* The projects listed represent a selection from the Council's research work.

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Current and Recently Completed Research</b>			
<i>NCC1</i> Continuation of Littoral Survey of Great Britain and Data Analysis	to make descriptive surveys and to select SSSI's 1. Sublittoral surveys and site assessment: Coll, Tiree and Summer Isles 2. Sublittoral data analysis: the Western Isles 3. Collation and analysis of Shetland sublittoral data 4. Marine site data analysis for Marine Mollusca Atlas and MNR management plans 5. Intertidal survey and site assessment: Lincolnshire, Norfolk, Suffolk and Essex	Until April 1984	Range of different surveys in Britain. Carried out in-house
<i>NCC2</i> Collation and Assessment of Site Data for Invertebrates	To develop an invertebrate site database 1. Invertebrate survey of the Somerset Levels 2. Invertebrate survey and classification of rivers for conservation 3. Entomological survey	1981-85 1982-84 1982-85 1982-84	Carried out in-house
<i>NCC3</i> Peatland Conservation Studies		1979-83	Carried out in-house
<i>NCC4</i> National Woodland Survey and Assessment	to make a descriptive survey and select SSSI's	1981-85	In-house
<i>NCC5</i> Upland Survey (Scotland)	To make a descriptive survey and select SSSI's	1979-84	In-house
<i>NCC6</i> Survey of Losses and Changes in Wildlife Habitats	To monitor systematically changes in habitats throughout Great Britain	1980-84	In-house
<i>NCC7</i> Land Use Change and Habitat Loss in Lowland Scotland	To investigate the biological effects of changes in wildlife habitats	1981-84	
<i>NCC8</i> Impact of Land Use Change on Predatory Birds in the Highlands	To assess the status and distribution of species in relation to land use	1982-85	In-house
<i>NCC9</i> National Vegetation Classification	To refine survey methods and vegetation classification	1976-84	Carried out at University of Lancaster
<i>NCC10</i> Butterfly Monitoring	To assess the status and distribution of different species of butterfly	1981-86	Carried out by NERC (Institute of Terrestrial Ecology)
<i>NCC11</i> Study of the Movement of Wader Populations in Western Europe		1981-84	Carried out by University of Durham
<i>NCC12</i> Skomer Island NNR Seabirds Study		1981-83	Carried out by the Edward Grey Institute of Field Ornithology, University of Oxford
<i>NCC13</i> Surveillance of Cliff Nesting Birds in Orkney	To assess the status and distribution of cliff-nesting species	1980-85	In-house
<i>NCC14</i> Survey and Monitoring of Peregrine Falcon in Cumbria	To assess the status and distribution of peregrine falcon	1977-85	In-house
<i>NCC15</i> Macrophytes as an Integrated Approach to River Typing		1979-83	In-house

<i>NCC16</i>	Shorebird Monitoring in the Moray Firth		1981-83	Sponsored by the British National Oil Corporation (BNOOC)
<i>NCC17</i>	Birds and Pollutants	To study the impact on bird life of toxic chemicals and	1974-83	Carried out by NERC (Institute of Terrestrial Ecology)
<i>NCC18</i>	Impact of Land Drainage on Wildlife	To study the relationship between land use change and habitat	1981-84	Carried out by NERC (Institute of Terrestrial Ecology)
<i>NCC19</i>	Upland Breeding Birds and Afforestation	To study the impact of afforestation on breeding sites and behaviour	1979-84	In-house
<i>NCC20</i>	Study of Breeding Sites of Birds on Moorland	To identify breeding sites of waders and other birds and monitor behaviour	1980-83	In-house
<i>NCC21</i>	Heathland Management Study	To investigate the creation, rehabilitation and manipulation of heathland habitats	1978-83	Carried out by NERC (Institute of Terrestrial Ecology)
<i>NCC22</i>	Population Ecology of Bats	To study the autecology of species important to nature conservation	1974-84	Carried out by NERC (Institute of Terrestrial Ecology)
<i>NCC23</i>	Events Records System and other Site-Related Data Banks		1981-83	In-house
<i>NCC24</i>	Establishment of a Site-Related Data base		1982-85	
<i>CC15</i>	Demonstration Farms Programme, Phase III	(See CC programme for details)		Co-sponsored with CC, FC and MAFF. NCC contributes via biological surveys
<i>NCC25</i>	Urban Nature Conservation and Youth Employment			Carried out by the Rural Preservation Association
<i>NCC26</i>	Studies under the Convention on International Trade in Endangered Species of Wild Fauna and Flora	Studies include preparation of a checklist of internationally endangered mammals, information on trade in wildlife and recommendations for the protection of seals in EEC		Carried out by International Union for Conservation of Nature and Natural Resources Conservation Monitoring Centre (IUCN-CMC), Species Conservation Monitoring Unit and Wildlife Trade Monitoring Unit. Also NERC (Sea Mammal Research Unit) and others.
<i>NCC27</i>	Update and Revision of EEC List of Threatened Species of Wild Flora and Vertebrate Fauna in Europe	1. To provide information on threatened species of bat		Carried out by NERC (Institute of Terrestrial Ecology)
		2. To provide information on threatened species of reptiles and amphibians		Carried out by International Union for Conservation of Nature and Natural Resources, Conservation Monitoring Centre (IUCN-CMC) (Species Conservation Monitoring Unit) Carried out by IUCN-CMC
		3. To provide information on threatened species of mammals		
		4. To provide information on threatened species of plants		Carried out by IUCN-CMC (Threatened Plants Committee)
		5. To provide information on threatened species of bird		Carried out by Birds of the Western Palearctic Ltd
<i>NCC28</i>	Breeding Success of Rare Birds in Britain	To provide information on the breeding of success of rare birds		Carried out by Rare Breeding Birds Panel
<i>NCC29</i>	Frost Monitoring Reports	To provide frost monitoring reports in connection with wildfowling bans		Carried out by the Meteorological Office
<i>NCC30</i>	Analysis of Carcasses of Birds Affected by Severe Weather			Carried out by the University of Durham
<i>NCC31</i>	Scientific Advice on Species Conservation in Great Britain and Europe			Carried out by Dr P N Munton

NCC32	Survey of Birds Feeding Areas in Major Estuaries	To make descriptive surveys and select SSSI's	1982-84	Carried out by RSPB
NCC33	Fish Farming and Fishery Management	To study the impact of water resource exploitation in freshwater fisheries on water ecosystems	1982-84	
NCC34	Study of Deer in the Uplands	To study the impact of deer on native woodland and associated moorland	1982-85	
NCC35	Broadleaf Woodland Management Study	To experiment in the creation, rehabilitation and manipulation of woodland habitats	1982-83	
NCC36	Economics of Land Use in Upland Britain	To analyse the economics of land use in uplands and the potential value of nature conservation as an aspect of tourist and recreational use	1982-84	

## RESEARCH PUBLICATIONS 1982/83

*NCC Research Reports Digest*, No 6, November 1982 (available from NCC, Information and Library Services, Calthorpe House, Calthorpe Street, Banbury, Oxfordshire OX16 8EX), lists recent technical reports of NCC commissioned research. The majority of reports are available only in microfiche format.

*Contact for enquiries:* Dr D Ratcliffe, Chief Scientist, Nature Conservancy Council, PO Box 6, Godwin House, George Street, Huntingdon PE18 6BU



# REGIONAL TOURIST BOARDS

## RESEARCH PROGRAMMES 1983/84

The schedule on the following pages records brief particulars about the 1983/84 research programmes of Regional Tourist Boards. It is based on information provided in March and April 1983 to the Research Services Branch of the English Tourist Board by the twelve English Regional Tourist Boards. A total of 53 projects is recorded, 19 were in progress at the time information was supplied, 15 were definitely agreed, 11 likely but not yet certain; and 8 still tentative.

Of the 53 projects, 37 were to be undertaken "in-house" by Regional Tourist Board Staff, 6 were to be commissioned from an outside body or individual, and 10 were research projects undertaken by other agencies, to which Regional Tourist Board staff were to contribute in some capacity.

The topics covered by the research programmes are diverse, as the following categorisation indicates.

Type of Tourism Research	Number of Projects
Local tourism studies	17
Occupancy surveys	8 (of which 5 relate to self-catering and 3 to hotels)
Monitoring Regional Tourist Board marketing operations	6
Visitor surveys	5
Surveys of tourist businesses	5
Marketing feasibility investigations	3
Product development studies	2
Caravan and camping studies	2
Analysis of tourist information centre enquiries	2
Others	3

REGION	TITLE	TIMING INVOLVEMENT						REMARKS
		In Progress	Definite	Likely	Tentative	In House	Commissioned Contribution to Outside Project	
Cumbria	1 "Where do they come from?" survey	*				*		Survey of accommodation establishments to get information on visitor trends
	2 "Quality control" visitor survey			*		*		To find out what attracts visitors and their opinions of standards of facilities and services in the region
	3 "What do they do here?" visitor survey		*			*		To investigate visitors' activities, entertainment, and press readership
Northumbria	4 Advertising response			*		*		
	5 Co-operative advertising response			*		*		
	6 Effectiveness of exhibition/workshop programme			*		*		
	7 Self catering (permanent, holiday lets) occupancy survey			*		*		
	8 Short stay/en route packages			*		*		Investigation of marketing feasibility of short packages for overseas visitors
	9 Battlefield interpretation			*		*		Examination of practice elsewhere and feasibility of interpretation/trail in Northumberland
	10 Overseas visitor survey			*		*		
North West	11 Manchester International Airport survey		*			*		Based on information from International Passenger Survey
	12 Coach Operators survey		*			*		
	13 Town twinning survey		*			*		Involves postal questionnaire to local authorities
	14 Preston hotel occupancy survey		*			*		Second year's survey, in conjunction with local hotels association

REGION	TITLE	TIMING INVOLVEMENT						REMARKS
		In Progress	Definite	Likely	Tentative	In House	Commissioned	
	15 Self-catering survey			*		*		A major survey, to cover: - regional & national trends - existing stock information - survey of attitudes and standards - occupancy - identification of development and marketing opportunities
Yorkshire & Humberside	16 Regional hotel occupancy survey	*				*		
	17 Self-catering occupancy survey				*	*		
Heart of England	18 Cheltenham hotel occupancy survey	*				*		
	19 Heart of England self catering occupancy survey				*	*		
	20 Monitoring of HOETB marketing operations				*	*		
	21 Bourton-on-the-Water study				*	*		Research proposal prepared to: - identify economic social & environmental impacts of tourism - explore ways and means of managing visitors
East Midlands	22 "How's Business" survey	*				*		Quarterly survey of business opinion
	23 Target East Midlands overseas promotion monitoring	*				*		
	24 Tourism on the Lincolnshire coast	*				*		Reports of survey (holiday-makers; accommodation; 'competitor results') in press. Report on initiatives due later in 1983
	25 Survey of visitors to Chesterfield	*				*		Also to include retail survey
	26 Nottingham tourism research	*				*		With Trent Polytechnic & Nottingham City Council
	27 Study of tourism in Market Harborough	*				*		With Trent Polytechnic & Loughborough University
	28 Survey of school trips	*				*		Research in connection with a possible East Midlands Heritage Education Fair
	29 Self catering occupancy survey					*	*	
	30 Information enquiries monitor	*				*		
Thames and Chilterns	31 Camping and caravanning in the Thames & Chilterns	*				*		To update review of regional provision for towed caravans and camping
	32 Regional Facts leaflet	*				*		
	33 Tourism strategy for the Thames and Chilterns	*				*		To review and update strategy published in 1979
	34 Effectiveness of the 'Beautiful Berkshire' advertising campaign	*				*		
	35 Survey of tourist information centre users	*				*		
	36 Monitor of investment decisions in Berkshire	*				*		

REGION	TITLE	TIMING INVOLVEMENT							REMARKS
		* In Progress	* Definite	* Likely	* Tentative	* In House	* Commissioned	* Contribution to Outside Project	
	37 Changes in Oxford accommodation stock 1978-1982	*				*			
	38 West Oxfordshire survey of attractions accommodation and tourist facilities	*						*	
East Anglia	39 Tourism in Lowestoft study	*						*	With Waveney District Council
	40 Tourism in Tendring study	*						*	Anticipated contribution to major study commissioned by Tendring District Council
	41 Camping and caravanning in East Anglia 1982	*				*			
	42 Tourism in Lavenham		*					*	With Babergh District Council
London	43 Survey among overseas visitors to London		*					*	Jointly sponsored with BTA, GLC and London Transport
West Country	44 Survey of "Where to Stay" entrants	*				*			To analyse performance of regional tourist industry
South	45 New Forest tourist study	*						*	Dorset Institute of Higher Education commissioned by New Forest District Tourism and Recreation Group (District Council, STB ETB, Beaulieu, Forestry Commission, Local Hotel Association) to undertake visitor and accommodation survey.
	46 Portsmouth Dockyard tourism potential survey			*				*	The study might be funded by Portsmouth City Council, Hampshire County Council, & ETB
	47 Winchester tourism study	*						*	Study jointly funded by ETB & City Council
	48 Bournemouth tourism study					*		*	Preliminary groundwork for major tourism study which might proceed in 1984
	49 Hart tourism study	*				*			
	50 Wimbourne tourism study	*				*			
	51 Christchurch tourism study	*				*			
	52 Purbeck/Swanage tourism study					*	*		
South East England	53 Canterbury tourism study					*	*		Desk study prior to fuller study

Contact for Enquiries: Ian Rickson, Planning Research Manager English Tourist Board, 4 Grosvenor Gardens, London, SW1W 0DU (01-730 3400 Ext 144)

# SCOTTISH SPORTS COUNCIL

## RESEARCH PROGRAMME 1983/84

TITLE OF PROJECT	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Annual Research</b>			
SSC1 Planning Data Management Service (PDMS)	Continual up-date of computerised information and application to a range of planning problems	Continuous	Jointly sponsored with STB. Carried out by Tourism and Recreation Research Unit, University of Edinburgh
SSC2 Study of Council Grant Aid	Analysis of SSC capital grants by sport and local authority to guide policy reviews	Continuous	In-house
<b>Current and Recently Completed Research</b>			
SSC22 Sports Centre Management Information System (MIS) Feasibility Study	To introduce computer-based information system at four pilot sports centres	April 1983 - March 1986	Details in SSC Information Digest FM2. In association with SC
SSC3 Facility Data Review	To improve the data base for facility planning	Completed	Carried out by Ordnance Survey
SSC4 Swimming in the Borders	Before and after study of two new pools to aid planning for swimming pools	1983-85	Contractor to be appointed
SSC5 Trends in Sports Participation in Scotland	Secondary analysis and interpretation of data from the General Household Survey	Until July 1983	Draft report received from Tourism and Recreation Research Unit, University of Edinburgh
SSC6 Development of Sport in Areas of Special Need	Monitoring of a SSC comprehensive sports programme in areas of special need to assess the extent of increases in participation and improvements in performance	1984-85	Designed and managed by TRRU, University of Edinburgh and in-house. Survey funded by MSC
CCS17 SLS Leisure Diary Analysis	(See CCS Programme for details)	Until August 1983	Analysis carried out by TRRU, University of Edinburgh
<b>Tentative New Proposals</b>			
SSC7 Marshalling and Collection of Social, Economic, Demographic and Sports Statistics	To inform policy and provide basis for national strategy	1983-84	A combination of in-house and contracted work

### RESEARCH PUBLICATIONS 1982/83

SSC(P)1 The Scottish Sports Council (1982) *Outdoor Bowling Greens* (Information Digest FP6)

SSC(P)2 The Scottish Sports Council (1982) *Pavilions and Clubhouses: Briefing Guide* (Information Digest FD8)

Contact for enquiries: Lee Cousins, Facilities Planning, Scottish Sports Council, 1 St. Colme Street, Edinburgh EH3 6AA (031-225 8411)

## RESEARCH PROGRAMME 1983/84

## Annual Research

ETB1	British Home Tourism Survey (BHTS)	(See ETB Programme for details)	Continuous	
BTA4	British National Travel Survey (BNTS)	(See BTA Programme for details)	Continuous	
BTA2	Secondary Analysis of International Passenger Survey (IPS)	(See BTA Programme for details)	Annual	
STB1	Scottish Accommodation Occupancy Survey	To determine occupancy rates in tourist accommodation	Continuous	Hotel survey runs Jan-Dec; Self-catering and Caravan Site Survey, Apr-Oct. Carried out by TRRU, University of Edinburgh
STB2	Survey of Visitor Attractions in Scotland	To obtain information on the number of visitors to a range of visitor attractions in Scotland	Annual	Retrospective postal survey of the previous year carried out in February/March. In-house survey with analysis by the Planning Data Management Service (PDMS), University of Edinburgh
STB3	Tourism Barometer	To provide an up-to-date indication of the current state of the tourist season in Scotland and its prospects	Annual	In-house postal survey of around 200 establishments/organisations involved in the tourism industry in Scotland. Monthly between April and October

## Current research

STB4	Further Analysis of Results from the Market Survey of Holidaymaking and Countryside Recreation (SLS)	to provide a detailed profile of those holiday market segments of importance to Scottish tourism	1983	Primarily in-house with analysis undertaken by PDMS and Survey Research Associates (SRA), the consultants on the original study
STB5	Further Work on the Role of Tourism in the Scottish Economy	To establish and quantify the role of the tourist industry in the Scottish economy	1983	Follow-up to the study on <i>Tourism and the Economy of Scotland</i> , undertaken for STB, in 1981/82, by TRRU, University of Edinburgh
STB6	Marketing Follow-up Study, 1983	To evaluate the cost-effectiveness of STB's promotional campaign for the 1983 season	January 1983 - August 1983	Various surveys of consumers and the travel trade. Undertaken by Research Bureau Ltd (RBL) and Travel & Tourism Research (TATR)
STB7	Analysis of Data on Tourist Accommodation	To up-date STB's data on the supply of tourist accommodation in Scotland	January 1983 - April 1983	Data obtained through STB's scheme for the registration of tourist accommodation. Analysed by PDMS on a district basis

## Tentative New Proposals

STB8	Market Studies	To provide specific market information	1983-84	Qualitative and quantitative research on a selection of topics. Possible subjects could include additional and shortbreak holidays in Scotland
STB9	Area Studies	To examine elements of the tourist product in selected areas of Scotland	1983-84	The network of Area Tourist Boards (ATBs) currently being created throughout Scotland will require some area-based research
STB10	Feasibility Studies	To determine the development potential and viability of particular areas and/or projects	1983-84	These projects will be undertaken in co-operation with other agencies and organisations (eg local authorities)

## RESEARCH PUBLICATIONS 1982/83

STB(P)1 Scottish Tourist Board, British Tourist Authority, Wales Tourist Board, Northern Ireland Tourist Board (1982) *The British Domestic Holiday Market: Prospects for the Future*

STB(P)2 Scottish Tourist Board *Research and Planning Information Handbook*. (Annual publication including quarterly factsheets and research summaries)

50% discount on research publications for educational establishments.

Contact for enquiries: Tom Costley, Scottish Tourist board, 23, Ravelston Terrace, Edinburgh, EH4 3EU (031-332 2433)

# THE SPORTS COUNCIL

## RESEARCH PROGRAMME 1983/84

TITLE OF PROJECT	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Completed Research</b>			
<b>Sports Council Programme (Selected)</b>			
SC1	Public Rights of Navigation	To establish existence, status and extent of public rights of navigation on selected rivers	1980-82 Jointly sponsored with WSAC. Report will be published in Autumn 1983
SC2	Effects of Recreation on Waterfowl on Trent Valley Reservoirs	To monitor the disturbance effects of water recreation on waterfowl	1979-82 Jointly sponsored with WSAC and Severn Trent Water Authority. Draft report prepared. Joint summary report including results of SC2 and SC3 and management implications to be prepared in Summer 1983
SC3	Impact of Water-Based Recreation on the Waterfowl of Enclosed Inland Waters	As above	1979-81 Carried out by Wildfowl Trust. Final report in preparation as a series of articles
SC4	Up-Dating Sports Facility Data	National surveys of facilities for particular sports and assessment of quality and unmet needs to improve planning	1981-83 National bowls survey completed and report published. Athletics survey in progress
SC5	Boardsailing: a New Water Sport	To describe the development of boardsailing, the current scene and scope for development	1981-82 Report to be published in 1983
SC6	Analysis of 1980 General Household Survey Leisure Data	To assess current participation levels and analyse trends since 1973	1981-82 Jointly sponsored with CC. Carried out by A J Veal, Polytechnic of North London
SC7	Marketing in Sport	To investigate and improve marketing strategies of governing bodies of sport and National Sports Centres	1981-82 Carried out by Baker Gordon Associates, Glasgow
SC8	Community Schools in the West Midlands (Walsall & Coventry)	To study the use of community schools and their impact on the local community	1982 Carried out by Coopers and Lybrand Associates. Draft report submitted
SC9	National Swimming Pools Study 1982	to update basic data on swimming pool provision and planned new provision to aid long-term strategy for pool provision	1982 Questionnaire survey of all local authorities in England. Reports to be published in 1983
SC10	Recreation in the London Green Belt	To assess the potential in the London Green Belt for development of sport and recreation and devise practical methods for its realisation	1981-82 Jointly funded with CC. Carried out by Land Use Consultants. Final reports completed. Research report to be published in 1983 jointly with CC
SC11	Grant Aid Project Phase II	To evaluate and describe SC grant aid to voluntary organisations	1980-82 Carried out by Terrestrial and Environment Studies (TEST). Draft report received
SC12	Sport at the Workplace	To provide information to assist employees to initiate and improve sports opportunities at the workplace	1980-82 Carried out by Terrestrial and Environment Studies (TEST). Draft report received. Guidelines to be published in 1983
<b>Sports Council/SSRC Joint Panel on Leisure and Recreation Research Programme</b>			
SC13	Sport and Tourism State of the Art Review	To review and analyse the links between sport and tourism	1981-82 Carried out by TRRU, University of Edinburgh.
SC14	Urban Parks State of the Art Review	To review existing literature on the management and development of urban parks	1981-82 Carried out by TRRU, University of Edinburgh. To be published Summer 1983

SC15	Review of Bibliographic Services in Leisure and Recreation	To review services currently available, identify gaps and suggest improvements	1981-82	Carried out by TRRU, University of Edinburgh. Draft report submitted. Joint report to be published with results of survey of recreation professionals' information needs (SC16)
SC16	Survey of Recreation Professionals' Information Needs	To survey information uptake, levels of awareness and information needs of 5000 recreation professionals	1981-82	Carried out by J A Coalter and J Hall, Survey Research Unit, Polytechnic of North London. Report submitted. Joint report to be published with SC15
SC17	Work and Leisure in a Changing Industrial Region	To investigate the relationship between changing types of work and leisure in South Wales	1979-82	Carried out by Prof D T Herbert, Department of Geography, University of Liverpool. Draft report submitted
SC18	Changing Patterns of Work and Leisure in the North West Textile Industry	To investigate the impact of different patterns of shift work on workers' leisure	1979-82	Carried out by Messrs F G Cook & S Clark, Department of Sociology, University of Liverpool. Draft report submitted

### Research in Progress Sports Council

SC19	Predator/Prey Research	To monitor aquatic anti-predator measures with special reference to the Zander species	1981-84	Jointly sponsored with WSAC, Anglian Water Authority and others
SC20	Sports Pricing and Consumer Behaviour	To monitor the relationship between price changes at swimming pools and user attitudes and behaviour in Wirral	1982-84	In-house, through SC NW Region Support Unit, in association with LGORU
SC21	Income and Expenditure on Local Sport	Study of cash flows on sport in public, private and voluntary sectors in a sample rural district	1981-83	Carried out by M Stabler, Department of Economics, University of Reading. Reporting in 1983
SC22	Sports Centre Management Information System (MIS) Feasibility Study	To develop, instal and monitor the effectiveness of computerised management information systems in large sports centres	1983-86	In association with Scottish Sports Council and Rushcliffe District Council, Nottingham
SC23	Sport and Recreation for the Unemployed (Monitoring and Evaluation)	To monitor three Sports Council demonstration programmes in Leicester, Birmingham and Derwentside (Consett)	1981-84	Carried out by Dr S Glyplis, University of Loughborough, and David Donkin (Derwentside Recreation Scheme)

### Sports Council/SSRC Joint Panel on Leisure and Recreation Research Programme

SC24	Analysis of People's Concepts of Leisure	To elucidate individuals' conceptualisation of leisure and its meaning in their lives	1980-83	Carried out by Dr J Stockdale, Department of Psychology, London School of Economics. Report due late 1983
SC25	Rationale for Public Sector Investment in Leisure	To study the development of public policy and institutions in leisure/recreation and implications for the future	1981-83	Carried out by TRRU, University of Edinburgh
SC26	Leisure and the Unemployed	To study the lifestyles and leisure behaviour of unemployed people	1981-83	Carried out by Dr P Kelvin, Department of Psychology, University College, London. Report due late 1983
SC27	Perspectives on Leisure Around Retirement	To study changing patterns of leisure activity by a sample of people before and after retirement	1980-83	Carried out by TRRU, University of Edinburgh. Report due late 1983

### Committed New Research Sports Council

CC25	Access to the Countryside for Recreation and Sport	To assess the nature, availability and adequacy of access provision in relation to user needs and attitudes	1983-85	Jointly sponsored with CC. Review followed by 8 case studies in England and Wales TRRU, University of Edinburgh
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SC28	"Action Sport" (Monitoring and Evaluation)	To monitor two major Sports Council inner city sports leadership programmes in London and the West Midlands	1983-86	Carried out by Policy Studies Institute
SC29	Implications of Cable TV for Sport	To assess the implications of the growth of Cable TV for sports sponsorship, the role of governing bodies and the work of the Sports Council	1983-84	Carried out by E Jones
SC30	Impact of 'Sport for All' Policies	To evaluate the impact of 'Sport for All' policies in Europe	1983-84	Carried out by Dr D Gowing, West London Institute of Higher Education
SC31	Land-Based Motor Sports	To study problems of off-road motor sports in two Sports Council Regions	1983-84	To be carried out by Dr M Elson, Department of Town Planning, Oxford Polytechnic

### Sports Council/SSRC Joint Panel on Leisure and Recreation Research

SC32	Leisure and the Home	To investigate the nature and extent of home-based leisure and the way in which environment, house design, and family/household composition affect leisure behaviour	1983-85	Carried out by Dr S Glyptis, Department of PE and Sports Science, University of Loughborough. Complex sample survey of different house and household types in Islington and Nottingham
SC33	Leisure and Gender	To investigate the social and psychological constraints on adult women's leisure life-styles and how these are sustained	1983-85	Carried out by Ms E Green and Dr D Woodward, Department of Applied Social Studies, Sheffield City Polytechnic. Interview survey plus ethnographic work
SC34	The Role of the Voluntary Sector in Leisure, Phase II	To investigate the internal dynamics and external relationships of voluntary leisure groups	1983-84	Carried out by J Bishop and P Hoggett, School for Advanced Urban Studies, University of Bristol. Continuation of earlier work

### RESEARCH PUBLICATIONS 1982/83.

- Butson, P. (1983) *The Financing of Sport in the United Kingdom* SC Information Series, No. 8. The Sports Council, London.
- Collins, M.F., ed (1982) *Leisure Research: Current Findings and the Future Challenge* (Report of joint seminar), Sports Council/Social Science Research Council/Leisure Studies Association, London.
- Duffield, B., Best, J., and Collins, M., eds (1983) *A Digest of Sports Statistics* SC Information Series No. 7. The Sports Council, London.
- Dye, A.L. ed (1983) *Sports Research in the UK III: A Register of Work, Current and Completed in 1980/81*. The Sports Council, London.
- Sports Council (1982) *A New Bias: A Report on the Future Provision for Bowls*. The Sports Council, London.
- Sports Council (1982) *Sport in the Community: The Next Ten Years*. The Sports Council, London.
- Cowling, D., Fitzjohn, M. and Tungatt, M. (1983) *Identifying the Market: Catchment Areas of Sports Centres and Swimming Pools* SC Study, No. 24. The Sports Council, London.
- Sports Council (1983) *Swimming in the Community* National Summary, Technical Report and 9 Regional Volumes, The Council London.
- Contact for enquiries: Mr M F Collins, Principal Officer (Research and Planning) The Sports Council, 16 Upper Woburn Place, London, WC1H 0QP  
(01-388 1277 ext 253)



# WALES TOURIST BOARD

## RESEARCH PROGRAMME 1983/1984

PROJECT TITLE	SUMMARY OF OBJECTIVES	TIMESCALE	COMMENTS
<b>Annual Research</b>			
<i>ETB1</i> British Home Tourism Survey (BHTS)	(See ETB programme for details)	Continuous since 1971	
<i>ETB4</i> British National Travel Survey (BNTS)	(See BTA programme for details)	Continuous since 1960	
<i>BTA2</i> Secondary analysis of International Passenger Survey (IPS)	(See BTA programme for details)	Continuous since 1962	
<i>WTB1</i> Welsh Hotel Occupancy Survey	To provide trend data on hotel usage throughout Wales	Monthly since 1972	In-house. At peak times returns are analysed from more than 200 establishments forming a cross-section of hotels
<i>WTB2</i> Survey of Attendance at Visitor Attractions in Wales	To monitor numbers of visitors to the main attractions in Wales	Annual	Postal survey throughout Wales
<b>Current Research</b>			
<i>WTB3</i> Study of the Structure, Performance and Future Prospects of the Self-Catering Accommodation Sector in Wales	To map present self-catering provision, to identify characteristics and motivation of self-catering holiday-makers and to identify potential for growth in this sector	Feb 1982-April 1983	Carried out by Coopers & Lybrand Associates, Management Consultants. Inventory of self-catering accommodation in Wales complete. Consumer surveys and case studies reported in draft. Final synthesis report by Summer 1983
<i>WTB4</i> Mid Wales Tourist Flow Study	To establish market characteristics of tourists, to assess volume and nature of tourism flows into and within Mid Wales and to identify potential areas of under-provision of tourist resources	May 1982 - May 1983	Commissioned jointly by WTB and DBRW. Study undertaken by Steer, Davies & Gleave in association with UWIST. Cordon interviews and traffic counts on main tourist routes within Mid Wales carried out during summer of 1982. Specific attention focused on Central Powys
<i>WTB5</i> Inter-Firm Comparison for Hotels in Wales	To design a system for comparing the performance of similar types of hotels and showing how success is achieved. To provide indices of success for publication to improve hotel practice	Feb 1982-Oct 1982 Extension to April 1983	Work carried out by The Centre for Inter-Firm Comparison. Design study complete. Pilot study of hotels soon to be available

## Committed New Research

<i>WTB6</i>	Market Information Studies	To improve knowledge of basic market characteristics and accommodation sector performance to aid future development and promotional decision-making	Continuous/ Annual	Extensive package of market performance studies incorporating hotel consumer surveys, self-catering occupancy surveys, periodic checks of accommodation sectors and monitoring daily attraction visitor levels
<i>WTB7</i>	Advertising Campaign Evaluation Study	To evaluate the effectiveness of Phase II of WTB's 1983 main season advertising promotion of Wales as a holiday destination	March 1983 - Autumn 1983	First phase evaluation of 1983 campaign carried out by Research and Marketing (Wales & West) Ltd. Second phase agency to be selected
<i>WTB8</i>	Rhyl Resort Area Study	To examine the present constraints and future opportunities affecting tourism in the study area and to optimise future tourism development and marketing strategies	April 1983 - November 1983	Consultants to be appointed. Tasks will involve identifying tourism resources, examining demand trends, considering effects of largescale infra-structure developments and evaluating economic and environmental impact of tourism
<i>WTB9</i>	Study of the Tourism Impact on the Economy of the South Wales Valleys	To assess the current size of tourism in relation to other industries and its contribution to employment and income in South Wales	March 1983 - August 1983	An important element in the development of an overall strategy for tourism in the South Wales Valleys. Carried out at UWIST, Cardiff. Mainly desk research

## Tentative New Proposals

<i>WTB10</i>	Tourism Attraction Surveys	To provide specific market and performance information	Summer 1983	Based on newly developed attractions such as The Boat House, Laugharne and Big Pit, Blaenavon. Market profile data, attitudes, characteristics and needs of visitors will be assessed
<i>WTB11</i>	Feasibility Study of Conference Market	To assess present and future demand for conference facilities in Wales	1983	Assessment of levels of use by specific types of conference and likely future trends in demand

## RESEARCH PUBLICATIONS 1982/83

*WTB(P)1* Wales Tourist Board/CURS (1982) *An evaluation of the Tourism Content of Structure plan in Wales*

*WTB(P)2* Wales Tourist Board, Scottish Tourist Board, British Tourist Authority, Northern Ireland Tourist Board (1982) *The British Domestic Holiday Market: Prospects for the Future*

*WTB(P)3* Wales Tourist Board (1982) *Research Factsheets*

Contact for enquiries: Steven Webb, Senior Planning and Research Officer, Wales Tourist Board, Brunel House, 2 Fitzalan Road, Cardiff CF2 1UY (022-499909)

# KEYWORD INDEX TO RESEARCH PROJECTS\*

\* Each research project has been allocated a code in the form of the agency acronym followed by a numeral, with the exception of those submitted from the Association of District Councils, Convention of Scottish Local Authorities and the Regional Tourist Boards. Further details of any project can be obtained by referring to the relevant programme as indicated by the acronym. Jointly sponsored projects are referenced according to the agency programme in which full information is recorded.

ACCESS TO THE COUNTRYSIDE	<i>CC25, CC35, DOE19, SC1, SC10, SC31,</i>
ACCESSIBILITY/PERSONAL MOBILITY/TRANSPORT	<i>CC4, CC5, CC23, CC25, DOE7, DOE24</i>
ACTION-RESEARCH/EXPERIMENTS	<i>CC2, CC4, CC5, CC10, CC21, CCS20, CCS23, CCS24, DOE10, DOE20, MAFF1, MAFF2, NCC35, NERC8, NERC12, NERC20, NERC36, SSC4, SC22</i>
AGRICULTURE	
Environmental Impact/and Conservation	<i>CC13, CC14, CC15, CC27, CC28, CC32, CCS19, MAFF16, MAFF17, NCC18, NERC19, NERC20</i>
And Recreation	<i>CC25, CC35, DOE19</i>
Urban Fringe	<i>MAFF1, MAFF2</i>
CONSERVATION	
Historic Buildings	<i>CCS1, CCS4, CCS21</i>
Landscape	<i>CC2, CC6, CC9, CC10, CC12, CC13, CC14, CC15, CC16, CC19, CC21, CC27, CC28, CCS2, CCS3, CCS10, CCS19, CCS23, MAFF2, MAFF8</i>
Nature	<i>MAFF3, MAFF4, MAFF8, MAFF9, MAFF10, MAFF11, MAFF13, MAFF14, MAFF16, MAFF17, NCC1, NCC2, NCC3, NCC4, NCC5, NCC6, NCC7, NCC8, NCC17, NCC18, NCC19, NCC22, NCC25, NCC26, NCC27, NCC31, NCC32, NCC36, NERC11, NERC26, NERC37, SC2, SC3</i>
COUNTRYSIDE MANAGEMENT	<i>CC2, CC10, CC21, CC31, CCS20, SC10, SC31</i>
COUNTRYSIDE RECREATION	<i>CC23, CC25, CC26, CCS17, CCS25, DOE19, ETB8, ETB17, FC1, SSC5, STB4, SC5, SC6, SC10, SC31</i>
DEMAND (RECREATION/TOURISM)	
Forecasting/Feasibility Studies/Demand Modelling	<i>BWB3, ETB3, ETB4, SC29, WTB3, WTB11</i>
Market Analysis/Market Surveys	<i>BTA1, BTA2, BTA3, BTA4, BTA5, BWB1, BWB2, BWB5, BWB6, CC29, CG30, ETB1, ETB2, ETB10, ETB17, FC6, SSC1, STB4, STB8, SC5, SC13, SC31, SC32, WTB3, WTB4, WTB6</i>
Recreation Participation Trends	<i>CC23, CC25, CCS6, CCS17, CCS18, CCS25, ETB8, SSC5, STB4, SC6</i>
Socio-Economic Context	<i>CC23, CC25, CCS6, CCS25, DOE16, SSC7, SC6, SC10, SC29, SC32</i>
DESIGN	
Artefacts	<i>CCS14, CCS15, CCS22, FC6</i>
Buildings	<i>CCS1, CCS21, MAFF6, MAFF7</i>
Forests	<i>FC7</i>
Landscape	<i>CC24, CCS3</i>
ECOLOGICAL/ENVIRONMENTAL IMPACT OF RECREATION	
Habitats	<i>CCS8, CCS9, NERC13, NERC22, NERC30, NERC48, SC2, SC3</i>
Natural Resources	<i>CC9, DOE3, NERC30, SC31</i>
ECONOMICS OF LEISURE AND RECREATION/ECONOMIC IMPACT OF RECREATION AND TOURISM	
Cost-Benefit Analysis/Economic Benefits	<i>BWB8, DOE2, NCC36, STB5</i>
Expenditure	<i>BWB1, BWB2, ETB8, STB5, SC20, SC21</i>
Multiplier/Impact Studies	<i>ETB7, ETB9, ETB11, ETB12, STB5, WTB9</i>
EDUCATION/TRAINING	
Environmental Education	<i>CC2, CC21, CCS12, CCS24, DOE25, SC31</i>
Role of Schools	<i>SC8</i>
Staff Training	<i>CCS12, CCS24</i>

ENVIRONMENTAL PERCEPTION/ATTITUDES TO COUNTRYSIDE	CC23, CC25
ENVIRONMENTAL SCIENCES/BIOLOGY	
Applied Biology	DOE13, NERC1, NERC10, NERC38, NERC39, NERC47, SC19
Arboriculture	CCS11, FC4, FC5, NERC33, NERC43
Birds (Ecology of)	NCC8, NCC11, NCC12, NCC13, NCC14, NCC16, NCC17, NCC19, NCC20, NCC22, NCC28, NCC30, NCC32, NERC30, NERC31, SC2, SC3
Fish Biology/Fisheries	DOE11, DOE12, MAFF18, NCC33, NERC3, NERC4, NERC5, NERC6, NERC7, NERC8, NERC9, NERC38, NERC39, NERC40, NERC41, SC19
Flora/Plants	NCC26, NERC23, NERC35, NERC 44, NERC47, NERC48
Horticulture Grass	DOE3, DOE4, DOE20, DOE21, DOE22, NERC12, NERC32, NERC42
Hydrology	DOE14, DOE15, NCC33, NERC49
Invertebrates	FC2, NCC2, NCC10, NC15, NERC2, NERC9
Remote sensing/Land classification/ Terrain Analysis	DOE17, MAFF5, MAFF19, NCC9, NERC45
Vertebrate Fauna	NCC22, NCC34
FINANCE	
Cost Effectiveness/Efficiency/Profitability	CC22, CCS5, NERC46, SSC2, STB6, WTB5
Pricing	SC20
Sources of Finance	SC21
FORESTRY	
	CCS10, CCS23, DOE14, DOE15, FC4, FC5, FC7, NERC21, NERC24, NERC43
INFORMATION	
Advice/Expertise	CC19, CCS14, CCS21, CCS22, NCC26, NCC27, NCC31, NERC28, SC12
Computerised Management Information Systems/ Agency Computerised Information Systems	BWB4, CC22, NCC23, NCC24, NERC34, SSC1, SC22, STB7
Information Services/Data Bases/ Atlases/Maps/ Gazetteers, etc.	CC7, CC11, CC17, CCS11, CCS14, DOE20, FC1, MAFF4, NCC9, NCC29, NERC27, NERC28, NERC34, NERC45, SSC3, SSC7, SC9, SC15, SC16, WTB5
New Technology (Application of)	DOE24, FC7, MAFF19, NERC34, SC15, SC22, SC29
INTERPRETATION	
Gardens	ETB15
Museums	CCS5
Strategies (Towns, etc.)	CC11, ETB14, ETB16
Techniques	CC36, CCS12, CCS24, FC3
Visitor Centres	FC3
LAND RECLAMATION/RESTORATION	CC2, CC21, DOE18, DOE20, DOE22, NERC25
LEGAL ASPECTS	
Commons	DOE19
Rights of Access to Land/Rights of Navigation	CC25, DOE19, SC1
Rights of Way/Bridleways, etc.	CC25
MANAGEMENT OF FACILITIES/RECREATION ACTIVITY	
Canals	BWB1, BWB2, BWB3, BWB8
Commons	DOE19
Community Schemes/Motivator Schemes	CCS13, SC23, SC28
Facilities for the Disabled	CC30, CCS13
Footpaths	CCS9
Gardens/Parks	ETB15, SC14
Lavatories/Litter	BWB7, CCS20
Monuments/Stately Homes	CCS4
Picnic/Play/Countryside Recreation Sites	CC17, CC25, CC29, CCS15, ETB13, FC6, SC2, SC3, SC14, SC31
Sports Centre/Swimming Pools	SSC4, SC7, SC8, SC20, SC22
Techniques	CCS14, CCS22, DOE3, DOE4, DOE21, FC1, NERC12, NERC15, NERC17, NERC18

MANAGEMENT OF NATURAL RESOURCES

Amenity Areas/Parks	CC8, CC9, CC10, CCS11
Coast/Beaches	CC31, CCS7, CCS8, NERC13, NERC27, NERC28, NERC32, NERC47
Fisheries	NCC33, NERC6, NERC7, NERC40
Grassland/Amenity Grass/Sports Turf	CC8, CCS9, DOE3, DOE4, DOE20, DOE21, DOE22, NERC12, NERC14, NERC15, NERC17, NERC18, NERC36, NERC44, NERC46
Green Belt	SC10
Heath/Moorland	CC9, CC10, NCC21, NERC16, NERC19, NERC29
Hedgerows	MAFF9, MAFF10, MAFF11, MAFF12, MAFF13, MAFF15
Inner City	DOE22
Landscape/Land Use	CC2, CC13, CC15, CC16, CC19, CC21, CC27, CC28, CC32, CCS19
Rivers/Water Areas	DOE14, DOE15, MAFF18, NCC33, NERC10, NERC49, SC1, SC2, SC3, SC19
Uplands	CCS9, DOE14, DOE15, MAFF12, NERC20, NERC22, NERC29, NERC31, NERC35
Urban Fringe	CC2, CC21, CC33, CCS20, DOE20, MAFF1, MAFF2, SC10, SC31
Wetlands	MAFF16, MAFF17, NERC39
Woodland/Forest/Vegetation	CC7, CC14, CC24, CCS10, CCS23, FC7, MAFF14, NCC35, NERC23, NERC37

MARKETING

ETA6, CC34, ETB9, ETB11, ETB12, ETB13, SSC6, STB6, SC7, WTB7

MONITORING/SURVEY OF FACILITIES/  
NATURAL RESOURCES

Buildings	CCS1, CCS21
Built Recreation Facilities	SSC3, SC4, SC9
Canals	BWB4
Coast/Beaches	NCC1, NCC32, NERC26, NERC42
Countryside Recreation Sites/Routes	CCS16, CCS18
Fauna	NCC10, NCC13, NCC14, NCC16, NCC26, NCC27
Gardens	CCS3
Landscape/Land Use	CC16, CC18, CC27, CCS2, CCS3, DOE17, MAFF5, MAFF19, NCC7, NCC8, NCC9, NCC18, NERC25
Rivers/Water Areas	NCC2
Socio-Economic	DOE16
Uplands	NCC5, NCC19, NCC20, NCC34
Vegetation	NCC26, NCC27, NERC42
Weather/Climate	NCC29
Wetlands	NCC2, NCC18
Woodland/Forest	FC4, NCC4, NERC24, NERC33

MONITORING/EVALUATION OF AGENCY POLICY/  
PRACTICE

CC3, CC12, CC20, CC23, CC24, CC26, CC27, CC28, CC33, CC34, DOE1, DOE6, DOE8, ETB7, SSC2, SSC6, STB6, SC7, SC11, SC23, SC28, SC30, WTB7

POLICY ANALYSIS

CC24, DOE1, DOE6, DOE8, DOE9, DOE10, SSC2, SSC7, STB5, SC10, SC25, SC30

PROMOTION/PUBLICITY/MASS MEDIA

CC17, CC37, ETB7, ETB9, ETB11, ETB12, SSC6, STB6, SC7, SC29, SC30, WTB7

PSYCHOLOGY/SOCIOLOGY OF LEISURE AND  
RECREATION/SOCIAL ORGANISATION OF LEISURE

Leisure Concepts/Leisure Lifestyles	CC23, CCS17, SC6, SC24, SC26, SC27, SC32
Leisure and Family/Gender/Household	SC32, SC33
Leisure and Work/Retirement/Unemployment	SC12, SC17, SC18, SC26, SC27
Political Economy	CC23, SC25
Political Leisure Provision/Policy	SC25
Voluntary Sector	SC34
RECREATION PLANNING/PROVISION	
Assessment of Priorities	SSC7, SC11
Community Schemes/Motivator Schemes/Local Provision	CC2, CC21, CCS13, SSC2, SSC4, SC8, SC14, SC23, SC28, SC34
Development	SC12, SC32
	CC1, CC2, CC17, CC21, CCS15, FC3, MAFF7, NCC36, SC12,

Management/Provision Planning	SC14, SC20, SC22 BWB7, CC12, CC16, CCS16, FC1, SSC1, SSC3, SSC4, SSC7, SC4, SSC7, SC4, SC9, SC25, SC31 SC16, SC25 CC6, CC12, DOE1, DOE7, DOE8, DOE9, DOE10, DOE23, DOE24
Recreation Profession RURAL PLANNING/RURAL DEVELOPMENT SOCIAL POLICY Areas of Special Need Disadvantaged Groups/Groups with Special Needs Priority/'Target' Groups Rural Socio-Economic Development	CC6, CCS17, DOE2, DOES, DOE7, DOE9, DOE23, SSC6, SC28 CC4, CC5, CC30, CCS13, CCS15, NCC25, SC18, SC23, SC26, SC27, SC28 SC8, SC23, SC26, SC28, SC30, SC33 CC6, CC12, DOE1, DOE5, DOE6
<i>TOURISM</i> Accommodation (Guest House, Hotel and Self-catering Activity/Recreation on Holiday Attractions (Monuments Stately Homes etc) Day Trips Demand/Market Surveys/Trends	CC1, DOE2, ETB2, ETB17, STB1, STB7, WTB1, WTB3, WTB5, WTB6, WTB8 DOE2, ETB17, NCC36, SC13 CCS4, ETB5, ETB6, STB2, WTB2, WTB6, WTB10 ETB8 BTA1, BTA2, BTA3, BTA4, ETB1, ETB10, STB1, STB2, STB3, STB4, STB7, WTB1, WTB2 SC12, SC17, SC18, SC26, SC27
Leisure and Work/Retirement/Unemployment Development/Tourist Infrastructure	ETB7, ETB9, ETB11, ETB12, STB7, STB9, STB10, SC13, WTB3, WTB4, WTB8, WTB9, WTB11 STB5, WTB5, WTB9 ETB3, ETB4, WTB3, WTB11 ETB14, ETB15, ETB16 ETB13 BTA1, BTA2, BTA3, BTA4, ETB1, ETB7, ETB8, STB1, STB2, STB7, WTB1, WTB2, WTB4, WTB6, WTB10 BTA6, ETB7, ETB9, ETB11, ETB12, ETB13, STB6, STB7, WTB5, WTB7, WTB8 ETB9, ETB11, ETB12, ETB13, STB9, STB10, WTB8 CC31, CC37, SC11, SC21, SC34 BWB1, BWB2, BWB5, BWB6, CC25, SC1, SC2, SC3, SC5, SC9, SSC4
Economics/Economic Impact Forecasting Interpretation/Information Services Management Monitoring Activity Promotion/Marketing	
Resorts/Area Studies	
VOLUNTARY SECTOR	
WATER RECREATION	