

Publications, research programmes, contracts and people

Forestry Commission technical publications

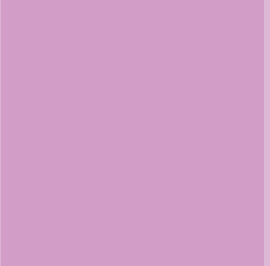
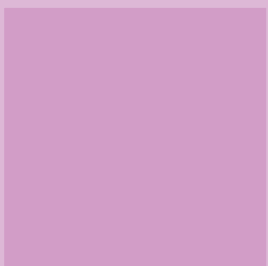
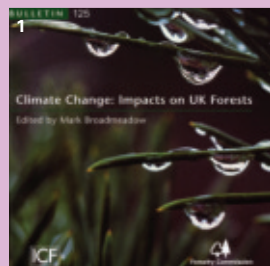
Publications by Forest Research staff

Major research programmes funded by the Forestry Commission

Contract work undertaken by Forest Research for external customers

Research contracts awarded by Forest Research

Forest Research people



1. New Bulletin on climate change and UK forests.
2. Labelling of cut battens from sawmill.
3. Modelling and forecasting yield and quality in Europe (MEFYQUE): information leaflet.
4. Common dormouse: an Action Plan species studied in connection with the restoration of planted ancient woodland sites [Chris Pierce/Sussex Wildlife Trust].

FORESTRY COMMISSION TECHNICAL PUBLICATIONS

The following titles were published during the year ending 31 March 2002

Report

Forest Research annual report and accounts 2000–2001. (£16.70)

Miscellaneous

Ecological Site Classification: a pc-based decision support CD/manual system for British Forests (v1.7). (£1.00)

Sustainable forest management: the international framework. (free)

Social forestry: questions and issues, compiled by Liz O'Brien. (free)

Trees are company: social science research into woodlands and the natural environment, edited by Liz O'Brien and Jenny Claridge. (£15.00)

The various series of technical publications listed below are published for the Forestry Commission by Policy and Practice Division. New titles are listed here as authors are predominantly from Forest Research. Authors outwith the Agency are indicated by an asterisk.

Bulletins

- 125 Climate change: impacts on UK forests, edited by Mark Broadmeadow. (£25.00)
- 124 An ecological site classification for Great Britain, by Graham Pyatt, Duncan Ray and Jane Fletcher. (£12.50)

Guideline Note (free)

- 2 Short rotation coppice in the landscape, by Simon Bell and Liz McIntosh

Information Notes (free)

- 38 The assessment of site characteristics as part of a management strategy to reduce damage by *Hylobius*, by Stuart Heritage and Roger Moore

- 39 Protocol for stem straightness assessment in Sitka spruce, by Elspeth MacDonald, Shaun Mochan and Thomas Connolly
- 40 Transforming even-aged conifer stands to continuous cover management, by Bill Mason and Gary Kerr
- 41 Forest Condition 2000, by Steven Hendry, Roger Boswell and John Proudfoot

Practice Note (free)

- 11 Practical techniques for surveying and monitoring squirrels, by John Gurnell*, Peter Lurz and Harry Pepper

Technical Paper

- 18 Perceptions, attitudes and preferences in forest and woodlands, by Terence R. Lee*. (£15.00)
- 32 Deforesting and restoring peat bogs: a review, by Russell Anderson. (£7.50)

Inventory Reports

- National Inventory of Woodland & Trees – Scotland: Highland Region. (£5.00)
- National Inventory of Woodland & Trees – Scotland: Western Isles. (£5.00)
- National Inventory of Woodland and Trees – England. (£15.00)
- National Inventory of Woodland and Trees – England Wallchart. (free)
- National Inventory of Woodland and Trees – England: North East Region. (£15.00)
- National Inventory of Woodland and Trees – England: Yorkshire & the Humber Region. (£15.00)
- National Inventory of Woodland and Trees – England: West Midlands Region. (£15.00)
- National Inventory of Woodland and Trees – England: East Midlands Region. (£15.00)
- National Inventory of Woodland and Trees – England: South West Region. (£15.00)
- National Inventory of Woodland and Trees – England: East of England Region. (£15.00)
- National Inventory of Woodland and Trees – Scotland. (£15.00)
- National Inventory of Woodland and Trees – Scotland Wallchart. (free)



PUBLICATIONS BY FOREST RESEARCH STAFF

[Arundell, J.C.] and Straw, N.A. (2001)

Hornet clearwing moth (*Sesia apiformis* (Clerck)) and dieback of poplars in eastern England. *Arboricultural Journal* **25**(3), 235–253.

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[Bartholomew, A., Malcolm, D.C.] and Nixon, C.J. (2001)

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Brasier, C.M. (2000)

The role of Phytophthora pathogens in forests and semi-natural communities in Europe and Africa. In: *Phytophthora diseases of forest trees. Proceedings from the first international meeting on phytophthoras in forest and wildland systems, Grants Pass, Oregon, USA, 30 August to 3 September 1999*, eds E. M. Hansen and W. Sutton. International Union of Forestry Research Organisations; Forest Research Laboratory, Oregon State University, USA. Oregon State University, Corvallis, Oregon, 6–13.

Brasier, C.M. (2001)

Rapid evolution of introduced plant pathogens via interspecific hybridization. *BioScience* **51**(2), 123–133.

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Comparative aggressiveness of standard and variant hybrid alder phytophthoras *Phytophthora cambivora* and other *Phytophthora* species on bark of *Alnus*, *Quercus* and other woody hosts. *Plant Pathology* **50**(2), 218–229.

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Cottrell, J.E., [Munro, R.C.,] Tabbener, H.E., [Gillies, A.C.M.,] Forrest, G.I., [Deanes J.D. and Lowe, A.J.] (2002)

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Interactions between green spruce aphid (*Elatobium abietinum* (Walker)) and Norway and Sitka spruce under high and low nutrient conditions. *Agricultural and Forest Entomology* **3**(4), 263–274.

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Wainhouse, D., Ashburner, R. and Boswell, R. (2001)

Reproductive development and maternal effects in the pine weevil *Hylobius abietis*. *Ecological Entomology* **26**(6), 655–661.

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MAJOR RESEARCH PROGRAMMES FUNDED BY THE FORESTRY COMMISSION

Entomology Branch

Plant health

Hugh Evans, Nick Fielding and Christine Tilbury

Research into the risks from indigenous and non-indigenous forest insect species. Co-ordination and implementation of surveys in relation to retention of EU Protected Zone status for named bark beetle pests. The use of Pest Risk Analysis techniques to determine contingency options for potential pests. Research into alternatives to methyl bromide as a quarantine and remedial treatment against exotic pests (part EU-funded).

Restocking pests

Stuart Heritage

Research into the effective use of chemical pesticides for control of restocking pests, notably *Hylobius abietis*. Research into and development of insect parasitic nematodes for biological control of larval stages in stumps and provide direct intervention options within the Integrated Forest Management programme being developed in the Branch.

Impact of insects on tree growth

Nigel Straw

Investigate quantitative relationships between insect population pressure and the growth of trees attacked by those insects. An important aim is to separate the direct effects of damage from other biotic and abiotic variables that might mask the impacts of pest insects. The target species is green spruce aphid, *Elatobium abietinum*, which severely defoliates both Norway and Sitka spruces.

Integrated Forest Management

David Wainhouse, Roger Moore and Hugh Evans

Develop the concepts and science of Integrated Forest Management (IFM) to underpin sustainable forestry with particular emphasis on reductions in chemical pesticides. Study the population dynamics of *Hylobius abietis* and use the data to develop decision support systems for management of the restocking problem. Investigate the variability in quality of both stumps and transplants in relation to performance of *H. abietis* and use the data to refine management options within the IFM programme. Develop a decision support system for sustainable reduction of *H. abietis* populations towards the acceptable damage threshold predicted by the population dynamics models.

Mechanisms of tree resistance to insect attack

David Wainhouse

Investigate mechanisms of resistance of young conifers to the pine weevil. Determine the relative importance of genetic and environmental factors in resistance expression. Develop these aspects to contribute to an Integrated Forest Management (IFM) approach for control of pine weevil.

Advisory services

Christine Tilbury

Provide identification services for both pest and beneficial insects and provide advice on pest management and control.

Environmental Research Branch

Soil sustainability

Fiona Kennedy

Research to identify and evaluate the potential impacts of both forest management and air pollution on soil status and dynamics. Develop and advise upon sustainable practices.

Reclamation of man-made sites for forestry

Andy Moffat, Kirsten Foot and Tony Hutchings

Improve methods of establishing woodland and management practices on disturbed (brown field) sites, taking into account changes in forestry and land-use policy, planting opportunity, environmental impacts, mining practices and technology. Develop best practice guidelines.

Forest hydrology

Tom Nisbet

Study the impacts of forests and forestry management practices on water quality and quantity. Develop and assess guidance on best management practice for the protection of the freshwater environment within forests. Provide expert advice on forestry-water issues.

Effects of air pollution on trees

Dave Durrant and Andy Moffat

Determine the role of air pollution in forest condition and growth through long-term intensive environmental monitoring in forest ecosystems, in compliance with EC regulations. Provide data under the Convention on Transboundary Air Pollution for the calculation and mapping of critical loads.

Climate change

Mark Broadmeadow

Predict and model the impacts of environmental and climate change on tree growth by experimental work in open-top chambers and in forest stands. Identify interactions between forestry and a changing global environment, e.g. exchange of greenhouse gases.

Environmental change network

Sue Benham

Monitor and understand environmental change and its impact on terrestrial ecosystems. Manage one of the national network of terrestrial sites of the ECN network.

Archaeology

Peter Crow

Evaluate the impact of tree growth and forest operations on features of archeological interest. Examine how forest practices can be manipulated to minimise the risk to archeological features by practical research.

Mensuration Branch

Sample plots

Janet Methley and John Proudfoot

Develop and maintain national reserve of periodic growth and yield data to support measurement, growth and yield studies using a network of permanent and temporary sample plots.

Current focus: contemporary silvicultural practices, uneven-aged planting mixtures, modern planting and harvesting systems, long-term environmental change monitoring.

Yield models

Robert Matthews

Improve methods and models for forecasting growth and yield of forests. Current focus: development of interactive stand-level yield model software, site:yield relationships, biomass yield models.

Measurement

Janet Methley

Develop and promote measurement systems and instruments for the accurate and efficient measurement of trees and timber to support industry, national and international standards. Provide independent expert advice in cases of measurement dispute.

Core model

Sam Evans

Integrate modelling initiatives within Forest Research by developing a framework of existing and new models and relevant datasets. Taking growth models as a starting point, the core model programme aims to provide modelling tools at appropriate scales of resolution to support and promote the implementation of multi-purpose sustainable forestry policy in the UK.

Pathology Branch

Tree disease and decay: diagnosis and provision of advice

David Rose, David Lonsdale and Sarah Green

Diagnose disease in trees and provide advice and information on disease identification, management and control. Provide information on decay in standing trees, and on management of veteran trees.

Tree health monitoring

Steven Hendry

Monitor the health of the nation's trees and raise awareness of tree health issues.

Risks from altered pathogens

Clive Brasier

Investigate changes in pathogen behaviour and evaluate the potential impact of such changes in relation to plant health and Pest Risk Analysis.

Non-chemical protection

Joan Webber

Research and evaluate the potential for biological control of tree diseases, with special emphasis on root rot pathogens and the fungi that cause vascular wilts and stain and decay.

Fomes root and butt rot of conifers

Jim Pratt

Conduct research on root and butt rot of conifers caused by *Heterobasidion annosum* and investigate approaches to management and control.

Phytophthora diseases of trees

Clive Brasier, Joan Webber and David Lonsdale

Investigate pathogenic *Phytophthora* species of alder and oak to determine their impact and the opportunities for management and control.

Silviculture (North) Branch

Forest nutrition and sustainability

Steve Smith

Investigate the influence of site fertility on tree productivity and how forest operations affect sustainability of forest site fertility, including nutrient cycling and tree growth response to fertiliser trials.

Plant quality and establishment

Steve Smith, Mike Perks and Colin McEvoy

Integrated studies of the effect of nursery practice, seedling physiology, plant handling methods, site preparation and maintenance upon plantation establishment.

Silvicultural effects upon timber quality

Barry Gardiner, Jason Hubert, Elspeth Macdonald and Shaun Mochan

Investigate the impact of silvicultural practices on timber quality in conifers, especially spruce. Main emphasis is impact of site factors (e.g. exposure, fertility) on quality.

Silviculture of upland native woodlands

Richard Thompson and Colin Edwards

Research into the structure, dynamics and silviculture of native woodland ecosystems in northern and western Britain to support restoration and extension for ecological and economic benefits. Emphasis is on Scots pine forests, birchwoods and the Atlantic oakwoods.

Alternative silvicultural systems in conifer forests

Bill Mason, Colin Edwards and Sophie Hale

Evaluate canopy structure manipulation to promote suitable microclimates for seedling establishment and facilitate natural regeneration to enable wider use of alternative silvicultural systems to patch clearfelling.

Stability of stands

Barry Gardiner, Bruce Nicoll and Juan Suárez

Research to reduce wind damage to British forests using a GIS-based windthrow risk model for predicting the probability of windthrow in Sitka spruce forests. Carry out studies of root development and architecture in support of the model.

Shelter forestry

Max Hislop and Barry Gardiner

Research into the design and management of woodlands for shelter and the development of techniques for assessing the potential benefit that they provide.

Silviculture and Seed Research Branch

Alternative establishment systems

Ian Willoughby and Richard Jinks

Investigate alternatives to conventional establishment systems for new planting and regenerating existing woodlands, including vegetation management, reducing synthetic chemical inputs and direct seeding.

Energy coppice

Ian Tubby

Investigate dry matter yields of willow and poplar coppice grown for renewable energy.

Lowland native woods

Ralph Harmer

Examine methods for managing, regenerating and extending lowland native woodlands.

Poplars

Paul Tabbush

Evaluate poplar clones with potential for timber production.

Silvicultural systems

Gary Kerr

Examine the potential for diversifying the range of silvicultural systems used in native woodlands.

Seed and seedling biology

Peter Gosling

Improve tree seed quality and performance to reduce costs and increase reliability of direct seeding and natural regeneration.

Social research unit (inter-Branch)

Paul Tabbush and Elizabeth O'Brien (SSRB, Alice Holt)

Max Hislop and Suzanne Martin (Silv(N), NRS)

Examine relationships between communities and woodlands in support of FC policies on sustainable forest management. Work concentrates on community involvement, publicly held values, health and well-being, criteria and indications of sustainability, recreation, access and rural development.

Technical Development Branch

Large-scale forestry harvesting

Colin Saunders

Evaluate machinery and equipment, produce output guidance and investigate operational techniques relevant to large-scale forestry work in harvesting.

Large-scale ground preparation, seed sowing and planting

Steve Morgan, Andy Hall and Bill J. Jones

Evaluate machinery and equipment, produce output guidance and investigate operational techniques relevant to large-scale forestry work in ground preparation and planting.

Farm and small-scale silviculture/harvesting and utilisation of small woodlands

Andy Hall

Develop methods and assess equipment with low environmental impact suitable for use in small, generally broadleaved woodlands, and suitable for use by farmers and small contracting firms.

Forestry operations on derelict and reclaimed land

Bill J. Jones

Undertake focused research into the cost-effectiveness of restoration techniques, with an emphasis on system and cost advice on techniques recommended by scientists.

Wood for energy

Andy Hall and Paul Webster

Develop methods for using short rotation coppice, single-stemmed short rotation forestry, forestry residues and existing undermanaged woodlands for small-scale heating and small- or large-scale electricity generation.

Chemical weeding

Bill J. Jones

Evaluate equipment, application techniques and safety.

Tree Improvement Branch

Selection and testing of conifers

Steve Lee

Undertake plus-tree selection, progeny testing. Breeding/production populations. Demonstration of realised gain. Development of techniques for marker aided selection. Species: Sitka spruce, Scots pine, Corsican pine, Douglas fir, larch.

Breeding and production of conifers

Steve Lee

Clonal archives: conservation, advanced breeding material. Improved seed: controlled pollination, seed orchards.

Improvement of broadleaves

Ned Cundall

Selection/testing of selections at population, family and clonal level. Species: oak, ash, sycamore, beech, birch.

Origin and provenance of conifers

Sam Samuel

Identification of suitable origins of conifer species. Key species: Sitka spruce, Douglas fir.

Genetic Conservation

Ian Forrest and Joan Cottrell

Study of genetic variation and gene flow in natural populations.

In vitro propagation and phase-change biotechnologies

Allan John

Investigate tissue culture systems for multiplication of Sitka spruce and hybrid larch.

Forest Reproductive Material Regulations

Sam Samuel

Devise methods for inspection of material proposed for registration. Maintain the National Register of Basic Material.

Woodland Ecology Branch

Biodiversity evaluation and indicators

Jonathan Humphrey

Synthesise datasets from the biodiversity assessment project, identify potential biodiversity indicators, and disseminate findings.

Forest habitat management

Jonathan Humphrey, Russell Anderson and Helen Armstrong

Investigate and provide guidance on the management of forests for biodiversity through developing old growth stands, utilising cattle grazing and managing open ground habitats.

Species Action Plans

Alice Broome, Roger Trout, Chris Quine and Brenda Mayle

Undertake research in support of Forestry Commission commitments to the species Biodiversity Action Plans and provide advice on appropriate management of woodland habitats for these species.

Landscape ecology

Kevin Watts and Chris Quine

Improve understanding of how biodiversity responds to management at the landscape scale, and translate this into practical management guidance for forest design.

Ecological site classification and decision support systems

Duncan Ray

Research, build and test models that predict the effect of forest management on forest ecology, and develop decision-making tools for ecological site classification and forest biodiversity.

Squirrel management

Brenda Mayle

Develop cost-effective means of managing the impact of grey squirrels on timber production. Investigate the impact of grey squirrels on woodland biodiversity.

Deer population ecology and management

Robin Gill, Helen Armstrong and Brenda Mayle

Provide a sustainable basis for deer management in UK woodlands by investigating and developing new techniques and models of impacts and damage, population dynamics of deer, and deer density assessment.

Tree protection

Roger Trout

Develop techniques and materials for cost-effective protection of trees and woodlands from vertebrate damage.

Woodland Surveys Branch

National inventory of woodlands and trees

Steve Smith

Undertake the FC national survey of woodlands and trees, assessing the woodland cover. Update key statistics on forest type, species, age-class, management and ownership.

Inventory GIS development

Graham Bull

Create the digital woodland map for Britain. Develop the use of GIS for providing spatially referenced data on the woodland cover of Great Britain.

Private sector production forecast

Justin Gilbert

Develop and produce the private sector production forecast incorporating new woodland data from the national inventory.

CONTRACT WORK UNDERTAKEN BY FOREST RESEARCH FOR EXTERNAL CUSTOMERS

Some projects may also be part-funded by FC customers.

Anglia WoodNet

Mobile sawmilling guide.
Coppice working methods.

British Biogen

Energy production network.

CABI

Nematodes.

Cranfield University

Biomass production of landfill.

Department of the Environment, Transport and the Regions

Monitoring the health of non-woodland trees.

Potential for woodland establishment on landfill sites.

Department of the Environment, Transport and the Regions/Loughborough University

Trees and drought in lowland England.

Department of the Environment, Transport and the Regions/Natural Environment Research Council

Cause-effect relationships for pollutant inputs to UK woodland ecosystems.

Department of Trade and Industry

Yield models for energy coppice of poplar and willow.

English Nature

Woodland restoration.

European Commission

Alternatives to methyl bromide for quarantine treatment.

Application of cDNA Microarray Technology for unravelling molecular events underlying dormancy and cold hardiness in forest tree seedlings.

Bark and wood boring insects in living trees.

Ash for the future: defining European ash populations for conservation and regeneration.

Compression wood in conifers.

Control of decay.

Demonstration of sustainable forestry to protect water quality and aquatic biodiversity.

Eco-engineering and conservation of slopes for long-term protection from erosion, landslides and storms.

Forecasting the dynamic response of timber quality to management and environmental change.

Forest condition surveys.

Gene flow in oaks.

Improving ash productivity for European needs by testing selection, propagation and promotion of improved genetic resources.

Improving protection and resistance of forests to the spruce aphid.

Integrating ecosystem function into river quality assessment and management.

Intensive monitoring of forest ecosystems.

Larch wood chain.

Modelling of *Heterobasidion* infection in European forests.

Native black poplar genetic resources in Europe.

Natural regeneration of oak.

Phytophthora in European oak decline.

Use of excavator base machines in forestry.

Use of excavators and backhoe loaders in forestry.

Upgrading the Level II protocol for physiological modelling of cause-effect relationships: a pilot study.

Editorial note

Since the June 2001 Election, work for Department of the Environment, Transport and Regions (DETR) and Ministry of Agriculture, Fisheries and Food (MAFF) is now covered by the new Department of the Environment, Food and Rural Affairs (DEFRA) and Department of Transport, Land and the Regions (DTLR).

EC/Highland Birchwoods

Conservation of native oakwoods.

EC/Scottish Natural Heritage

Restoration of wet woods.

Health and Safety Executive

Mobile elevated working platforms.

ITE

Terrestrial effects of acid pollutants.

UK emissions by sources.

Kemira Fertilisers

Slow release fertilisers for cell-grown seedlings.

Madeira National Park

Mammal control.

Macfarlane Smith

Vertebrate repellents.

Ministry of Agriculture, Fisheries and Food

Development of a site-specific yield model for ash in lowland England and Wales.

Provenance testing of broadleaved species in farm forestry.

Yield models for energy coppice of poplar and willow.

Natural Environment Research Council/Imperial College

Variation in the Dutch elm disease pathogens.

Terrestrial carbon dynamics.

National Forest Company

Research and demonstration in the National Forest.

Raleigh International

Conservation of the huemul deer in Chile.

Southampton University

Short rotation coppice (poplar).

Scotland and Northern Ireland Forum for Environmental Research

A coupled soil–forest–atmosphere dynamic model for predicting evapotranspiration demands at the plot and landscape scales in the UK.

Effect of riparian forest management on the freshwater environment.

Scottish Forestry Trust/UK Forest Products Association/Tilhill Economic Forestry/Scottish Woodland Owners Association

Assessing log quality in Sitka spruce.

RESEARCH CONTRACTS AWARDED BY FOREST RESEARCH

Avon Vegetation Research

Forestry herbicide evaluation.

Butterfly Conservation

Study of small pearl-bordered fritillary populations in Clocaenog Forest.

Cranfield University, BHR Group

Development and production of prototype systems to separate insect parasitic nematodes from rearing media.

Environment Agency (Wales)

Effects of forestry on surface water acidification.

Fountain Forestry

Water monitoring, Halladale.

Freshwater Fisheries Laboratory

Effects of riparian forest clearance on fish populations.

Imperial College, London

Control of decay in utility poles.

Development of a biological control agent for Dutch elm disease.

Macaulay Land Use Research Institute

Sustainability of afforestation development, Halladale.

Mountain Environments

Investigation of the long-term effects of forest management on upland catchments (Balquhidder).

Scottish Environment Protection Agency

Effects of forestry on freshwater fauna.

University of Aberdeen/University of Durham

Population dynamics in a predator-prey system.

University of Abertay, Dundee

Cryopresentation of Sitka spruce tissues.

University of Birmingham

Woody debris in forest aquatic habitats.

University of Durham

Habitat-predator-prey relationships, Kielder.

University of Leeds

Atmospheric boundary layer over forests.

Chemical transport in forests.

University of Reading

Tree root response to acidification.

Soil variability.

University of Southampton

Water and fine sediment transport in rivers with wooded floodplains.

University of Stirling

Habitat use of working forest by capercaillie.

Paleoecology of Glen Affric.

University of Sussex

Biochemical mechanisms for plants to act as sinks for atmospheric pollutants.

Drought tolerance in poplars.

University of Ulster

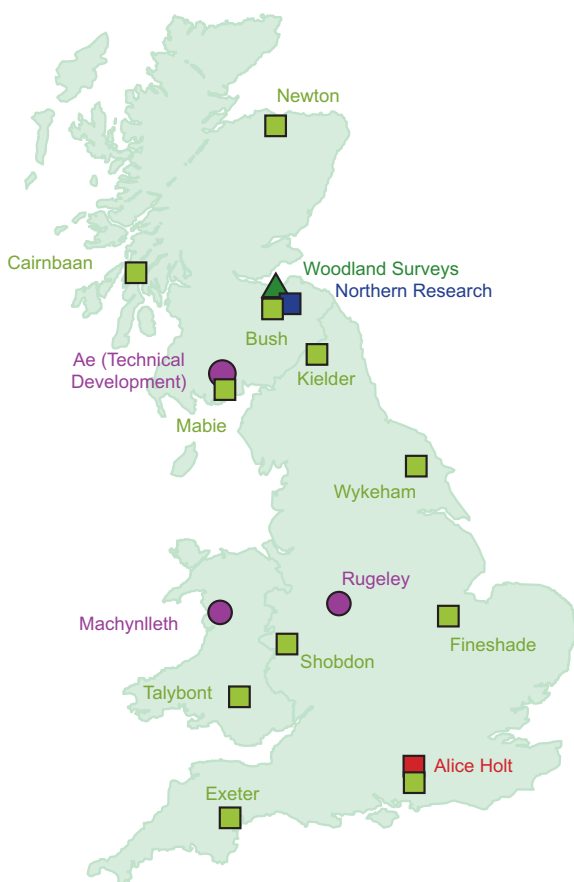
Feeding ecology of the large pine weevil.

Impact of defoliating insects on forests.

FOREST RESEARCH PEOPLE

Staff as at 31 March 2002, in Branches, Sections and Technical Support Units based at:

- Alice Holt
- Northern Research Station
- Ae Village, Midlands and Wales
- ▲ Silvan House, Edinburgh
- Field Stations



Chief Executive

- Jim Dewar, BSc, MICFor

Personal Secretary

- Madge Holmes

Chief Research Officer

and **Acting Chief Executive** from May 2002

- Peter Freer-Smith, BSc, PhD, DSc

Personal Secretary

- Claire Holmes*
- Sue Jones, BA, MA*

*Denotes part-time.

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- Mandy Sennet*
- Amanda Smith*
- Mike Young

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- Janet Lacey

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- Thelma Smalley

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- Tom Nisbet, BSc, PhD
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- Ralph Harmer, BSc, PhD
- Andrea Kiewitt, BSc, MSc
- Richard Jinks, BSc, PhD
- Gary Kerr, BSc, MICFor, PhD
- Liz O'Brien, BSc, PhD
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- Lyn Pearce
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- Alec Gaw, BSc*
- Alvin Milner, BSc, PhD
- Lynn Rooney*

*Denotes part-time.

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- Laura Forrest, BSc, PhD
- Allan John, BSc, PhD
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- Jonathan Clare, BSc, MSc
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- Mansel Jones
- Martin Lipscombe
- Paul Webster

Wales

- David Jones, EngTech, AMIAgrE

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- ▲ Rab Beck
- ▲ Graham Bull
- ▲ Christine Brown
- ▲ Justin Gilbert, BSc
- ▲ Shona Macintosh
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- James Nicholl
- John Strachan

Bush and Inver

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- David Anderson
- John Armstrong
- David Clark
- Graeme Crozier
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- Alan Purves
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Inver

- Nick Evans
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Cairnbaan

- Dave Tracy, BSc, *Head of Station*
- Pauline Simson, BSc
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- Dave Watterson, *Head of Stations*

Kielder

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- Mike Ryan
- Len Thornton

Mabie

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- James Duff
- Willie Kelly
- Joanne McGregor*
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- Harry Watson
- James White

*Denotes part-time.

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Newton

- Hazel Andrew*
- Gillian Bowden
- Alison Cowie
- Andrew Kennedy
- Fraser McBirnie
- Stuart McBirnie
- Hugh MacKay, BSc
- Colin Smart
- Linda Tedford

Lairg

- Alexander Bowran
- Calum Murray
- Duncan Williams

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- Bill Page
- Sue Bellis

Alice Holt Workshop

- John Davey
- Mike Johnston

Exeter

- Dave Rogers, *Head of Station*
- Alan Ockendon
- Dave Parker
- Anthony Reeves

Fineshade and Thetford

- Dave West, *Head of Stations*
- Elizabeth Richardson

Thetford

- John Lakey
- Paul Turner
- Alistair Whybrow
- Steven Whall

Shobdon

- Nick Fielding, *Head of Station*
- Nigel Connor
- Brian Hanwell, BSc
- Jason Jones
- John Price
- Sharon O'Hare*
- Richard Nicoll

Talybont

- Chris Jones, BSc, *Head of Station*
- Lyn Ackroyd*
- Justin Chappell
- Dai Evans
- Carl Foster
- Richard Keddle
- Tony Price
- Rachel Sparks
- Ken Williams
- Colin Clayton

Wykeham

- Davey Kerr, *Head of Station*
- Ian Blair
- Lee Cooper
- Alex Hill
- Patricia Jackson*
- William Riddick

PhD students linked with Forest Research

- Helen Billiald (Sussex University)
- Anna Brown (Imperial College)
- Lauren Crawford (Imperial College)
- Hannah Drewitt (University of Durham)
- Sharon Flint (Manchester Metropolitan University)
- Caroline Hacker (Imperial College)
- Joe Hope (University of Sterling)
- Jack Johnston (Colrairie University)
- Amanda Lloyd (Newcastle University)
- Tanya Ogilvy (Edinburgh University)
- Vini Pereira (Imperial College)
- Louise Timms (Imperial College)
- Alessandra Timarco (Reading University)
- Elena Vanguelova (Reading University)
- Liz Young (University of Portsmouth)

Postdoctoral associate

- Mathieu Paoletti (Imperial College)

Research associate

- Steve Petty, PhD

*Denotes part-time.