

March 12, 2004

**DIRECTORY
SOCIAL SCIENCE RESEARCH
RESEARCH AND DEVELOPMENT
USDA FOREST SERVICE**

Social scientists in Forest Service Research and Development assess how human values and behavior, social institutions, economic activities, and demographic trends impact the availability, demand for and use of forests and grasslands. In addition, social scientists examine how agency land management decisions and policies affect communities and private landowners near public lands, under-served populations, and the general public. The disciplines and specialties of agency social scientists are many including: economics, geography, sociology, social and environmental psychology, anthropology, archaeology, human ecology, political science and landscape architecture. Across these disciplines, a broad range of research topics are studied, for example: rural economic development and tourism, use of non-timber forest products, forest product markets, human perceptions of wildfire and prescribed fire, experiential aspects of wilderness, integrated analysis of cultural landscapes, impacts of changing demographics on forest resources and management, outdoor recreation supply and demand, and monetary and non-monetary resource valuation.

National coordination of social science research is the responsibility of the Resource Valuation and Use Research Staff at national headquarters. Research is conducted at research work units located across the United States and its territories within six Research Stations and the Forest Products Laboratory (see map on page 3).

This document describes the research work units in Forest Service Research and Development that undertake social science either as their main mission, or as part of their mission. The work units are listed by Research Station, and by work units within those stations. The project or program leader is listed, the main topics of research within the work unit, the unit's social scientists and their main areas of research. A number of units also have scientists from other disciplines. In those cases, the list of scientists and research topics is qualified by "social science" to indicate that the unit conducts other types of research as well. At the end of the document is an alphabetical listing of social scientists, their location, phone number, and e-mail address.

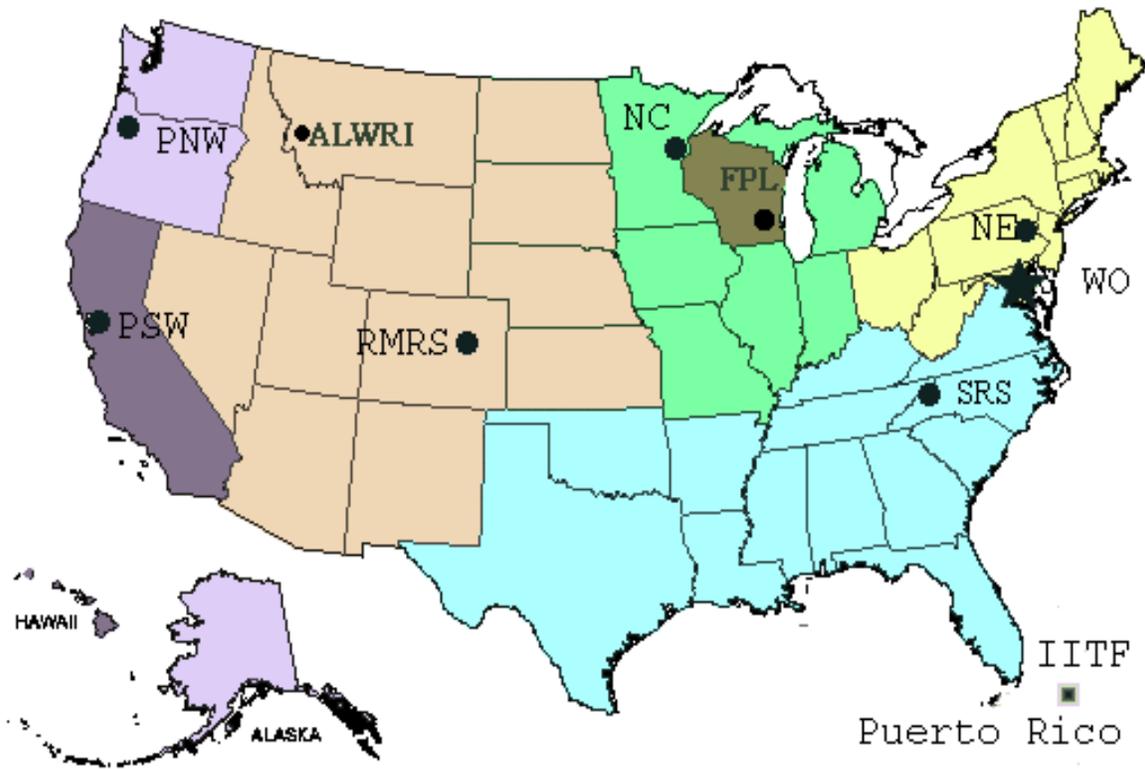
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Location of Research Stations



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**WASHINGTON OFFICE
ARLINGTON, VA**

Resource Valuation and Use Research

USDA Forest Service
Research and Development
RPC – 4th Floor
1601 North Kent St.
Arlington, VA 22209
Web Site: <http://www.fs.fed.us/research/rvur.html>

The Resource Valuation and Use Research Staff provide oversight and national coordination of social science research programs, including economics, recreation, urban forestry, cultural resources, and other social sciences.

Social Science Staff:

Greg Arthaud (forest economics): Demographics, GIS applications
Dave Darr (forest economics): Criteria and indicators of sustainable forestry, RPA Assessment
Ed Dickerhoof (forest economics): Urban forestry research coordinator; national housing research
Cliff Hickman (forest economics): Carbon economics
Anne Hoover (sociology): National Program Leader for recreation, cultural, and community research
Katrina Krause (conservation education): Forest Service national conservation education accomplishment reporting system
Linda Langner (resource economics): National Program Leader for economics research, RPA Assessment
Barbara McDonald (conservation education, environmental spirituality): Manager of National Urban Treehouse and the Natural Inquirer

National Urban Tree House and Natural Inquirer

Barbara McDonald
USDA Forest Service
320 Green Street
Athens, GA 30602
Web Addresses:

Natural Inquirer: <http://www.naturalinquirer.usda.gov>

Conservation education:

http://na.fs.fed.us/spfo/ce/content/program_providers/program_information/index.cfm

The Urban Tree House is a community-based urban conservation education program with four sites nationwide. The Natural Inquirer is a science education journal series based on Forest Service research and distributed to middle school classrooms nationwide.

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**FOREST PRODUCTS LABORATORY
MADISON, WISCONSIN**

Timber Demand and Technology Assessment Research

Project Leader: Ken Skog

Forest Products Laboratory

One Gifford Pinchot Drive

Madison, WI 53726-2398

Web Address: <http://www.fpl.fs.fed.us/econ/main.html>

Main Topics of Research:

- Long range market equilibria, production, and technology changes in the pulp and paper sector
- Long range production and technology changes in solid wood industries and solid wood end use industries
- Consistent information about timber, wood products, and paper products industries for forest and forest industry strategic planning
- Economic feasibility of new solidwood and paper processes and products

Scientists:

Ted Bilek (forest economics): evaluation of economic feasibility of products and processes

Irene Durbak (forest economics): pulp and paper trade analysis and modeling

James Howard (economics): statistics on forest industry production, consumption, price and trade, waste paper supply

Peter Ince (forest economics): pulp and paper market modeling, technology and fiber requirements

David McKeever (forest economics): solid wood product use in major end uses, economic importance of forest products industries, solid wood recycling

Ken Skog (forest economics): forest products demand and fiber requirements, carbon sequestration in forest products

Henry Spelter (economics): solid wood products market modeling, technology, and fiber requirements

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**NORTH CENTRAL RESEARCH STATION
ST. PAUL, MINNESOTA**

Natural Environments for Urban Populations

Project Leader: Lynne Westphal

North Central Research Station

1033 University Place, Suite 360

Evanston, IL 60201

Web address: <http://www.ncrs.fs.fed.us/4902/>

Main topics of research:

- How people experience forests as environments
- The diversity of values associated with forest experiences
- How physical, biological, social, and managerial attributes of ecosystems influence perceptions and choices of forest settings
- How different physical, social, cultural, and managerial barriers affect opportunities to experience forest environments
- How to better anticipate and respond to the widespread changes and increasing pressures affecting natural environments within and across urban and urbanizing areas
- How to better anticipate and respond to the increasingly diverse ways in which people perceive, experience, influence, and use natural environments across urban to rural landscapes

Scientists:

John Dwyer (forest economics): resource economics and management, urban populations

Paul Gobster (recreation landscape architecture): landscape management and recreation, diverse populations

Sarah McCaffery (social science): wildfire policy and mitigation, natural hazards, culture and resource management

Herb Schroeder (environmental psychology): symbolic, spiritual, and other hard-to-define values

Susan Stewart (recreation and resource economics): amenity migration, second homes, housing growth, wildland-urban interface

Lynne Westphal (policy analysis, planning): community revitalization, public involvement/participation

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Social and Economic Dimensions of Ecosystem Management

Project Leader: Pamela Jakes

North Central Research Station

1992 Folwell Avenue

St. Paul, MN 55109

Web Address: <http://www.ncrs.fs.fed.us/4803/>

Main Topics of Research:

- What values of forests are important to people and how these values change over time
- Strategies for coordinating management among numerous public and private landowners across the landscape
- How we can establish effective, constructive dialogue between interest groups
- Characteristics of public participation processes that result in decisions that are socially acceptable, economically feasible, and politically legitimate
- How managers can analyze tradeoffs between maintaining or improving biological diversity and maintaining or increasing timber harvest
- Appropriate roles for different stakeholders in forest planning and decision-making

Scientists:

David Bengston (ecological economics): multiple values of forest ecosystems, stakeholder attitudes and beliefs, systems for monitoring the social environment, public policies for managing landscape change

Robert Haight (forest economics): simulation and optimization models for natural resource management

Pamela Jakes (resource economics): understanding linkages between human communities and ecosystems, public participation in ecosystem management

Stephanie Snyder (operations research): optimization decision modeling, trade-off analysis, multiple-objective decision-making

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**NORTHEASTERN RESEARCH STATION
NEWTOWN SQUARE, PA**

Eastern Forest Use in a Global Economy

Project leader: Bruce Hansen

Forestry Sciences Lab

241 Mercer Springs Road

Princeton, WV 24740

Web address: <http://www.fs.fed.us/ne/princeton/ne4803/ne4803.html>

Main Topics of Research:

- Monitor hardwood use in the Northeast to assess the impacts of change and competing demands on the forest resource, forest industry, and forest-based communities of the eastern United States
- Provide the forest industry in the Northeast with information and tools to assess competitive environments and evaluate opportunities for market-, management-, and manufacturing-based solutions to global competitiveness issues

Scientists:

Iris Baker (forestry): timber product output assessment, business management

Matthew Bumgardner (forest products technology): analysis of economic and market factors associated with forest resource use

Bruce Hansen (economics): domestic and international market analysis; new product/process feasibility

Al Schuler (forest economics): assessment of new technologies and U.S. competitiveness in global markets

The Influence of Markets on the Sustainability of Eastern Hardwood Forests

Project Leader: William Luppold

Forest Sciences Lab

241 Mercer Springs Road

Princeton, WV 24740

Web Address: <http://www.fs.fed.us/ne/princeton/ne4805/ne4805.html>

Main Topics of Research:

- Examine current impact of different localized market situations on forests and provide information that will allow policy makers, industry, and others to assess forest sustainability under current market induced disturbance regimes
- Develop procedures to predict how future market-induced disturbance will change species distribution, timber quality, and sustainability of specific ecosystems and examine how adaptive technology will influence these changes

Scientist:

William Luppold (resource and agricultural economics)

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Integrating Social and Biophysical Sciences for Natural Resource Management

Project Leader: Mark Twery

USDA Forest Service

Aiken Forestry Sciences Laboratory

P.O. Box 968

Burlington, VT 05402

Web Address: <http://www.fs.fed.us/ne/burlington/research/ne4454/ne4454.htm>

Main topics of social science research:

- Relationships between communities and their social and biophysical structure
- Analysis of biophysical and social structures and functions at multiple scales
- Social resource allocation mechanisms that affect and are affected by forest policy and management
- Basic research and development of tools for managers regarding economic values, moral values, aesthetic values, and spiritual values
- Public involvement in decisions on public lands
- Roles of non-timber forest products in livelihoods
- Identification and analysis of indicators of sustainability of ecological and social systems
- Creating practical methods for evaluating biodiversity
- Decision support tools for evaluating trade-offs of alternatives in ecosystem management

Social Scientists:

Donald Dennis (economics): multiple-objective decision-making, evaluating non-market benefits.

Marla Emery (human geography): non-timber forest products, household livelihoods, and traditional ecological knowledge

Morgan Grove (social ecology): spatial analysis, urban ecosystems, social indicators, environmental equity

Tom More (social science): recreation, values, urban parks

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**PACIFIC NORTHWEST RESEARCH STATION
PORTLAND, OR**

Human and Natural Resource Interactions Program

Program Manager: Richard Haynes

Forestry Sciences Lab

620 SW Main, Suite 400

Portland, OR 97205

Or

P.O. Box 3890

Portland, OR 97208

Scientists also located in Corvallis, OR, Seattle, WA, Juneau, AK and Sitka, AK

Web address: <http://www.fs.fed.us/pnw/about/programs/hnri/index.shtml>

Main Topics of Social Science Research:

- Understand the effects of natural resource policies on private landowner behavior
- Develop methods for analyzing forest cover change and implications for global change analyses
- Model area changes for major land uses related to socio-economic factors and land markets, and link to forest fragmentation and parcelization
- Assess interactions between forest management, rural economies and communities
- Understand the role of forest management in economic and social change in Alaska
- Assess links among international trade and international economic and environmental issues
- Model long-range equilibria in timber markets in support of the RPA Assessment
- Address policy issues surrounding sustainable forest management at large scales
- Assess market and non-market values for goods and services, including joint production of forest resources, special forest products, recreation, and forest benefits
- Use non-timber values to inform forest management and timber supply decisions
- Evaluate knowledge-based decision support systems that integrate knowledge-based reasoning with GIS technology to provide decision support for ecosystem assessment at any geographic scale
- Study the application of knowledge-based reasoning technology to integrated research and management
- Improve understanding of public knowledge about, concerns for, needs from, and use of forests
- Assess methods to involve people in meaningful decision about natural resources
- Improve utilization of western timber species

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Social Scientists:

- Ralph Alig (forest economics [Corvallis]): land use and land cover dynamics
- Dennis Becker (social science [Flagstaff, AZ]): utilization of small diameter trees, community and forest restoration monitoring, collaborative planning
- Lee Cerveny (anthropology [Seattle]): recreation and tourism, community assessment
- Susan Charnley (anthropology [Portland]): protocols for social and economic monitoring
- Roger Clark (social science [Seattle]): integration in resource management and institutions that anticipate change
- Ellen Donoghue (social forestry [Portland]): collaborative stewardship, socioeconomic well being, forest user values
- Geof Donovan (forest economics [Portland]): wildfire, forest products, invasive species
- Roger Fight (forest economics [Portland]): joint production in land management
- Brian Garber-Yonts (resource economics [Corvallis]): recreation and land use dynamics
- Richard Haynes (forest economics)[Portland]: forest sector/market analysis
- Jeff Kline (environmental economics [Corvallis]): land use issues and policy, public preferences regarding natural resource management, integrating economics and ecology
- Linda Kruger (social science [Juneau]): place-based strategies, meanings, values, and uses of public lands and resources, civic science, social learning, community resilience, recreation and tourism, cultural use of resources
- John Mills (forest economics [Portland]): timber resource analysis systems
- Keith Reynolds (decision science [Corvallis]): knowledge-based systems
- Joseph Roos (marketing [Sitka]): markets for Alaskan forest products
- George Stankey (human geography [Corvallis]): effective involvement in resource decisions, adaptive management, integration in resource management, institutional analysis
- Xiapong Zhou (forest economics [Portland]): timber resource analysis systems

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**PACIFIC SOUTHWEST RESEARCH STATION
ALBANY, CA**

Wildland Recreation and Urban Cultures

Co-Project Leaders: Jim Absher, Debbie Chavez, and Pat Winter

Pacific Southwest Station

Forest Fire Laboratory

4955 Canyon Crest Drive

Riverside, CA 92507

Web Address: <http://www.fs.fed.us/psw/programs/recreation/>

Main topics of research:

- Changing recreation patterns: recreation on public lands and how it is changing, including effects of technology and ethnicity
- Values, attitudes, and behaviors of recreationists, including barriers and conflict, in participation and decision-making
- Improved knowledge about communication related to recreation and natural resource use
- Social and recreation issues related to fire in the urban-wildland interface

Scientists:

Jim Absher (sociology): interpretation, communication, customer service, marketing, and fee demo.

Debbie Chavez (sociology): outdoor recreation, cultural diversity, impacts of technological advances, crimes and violence.

Pat Winter (social psychology): environmental attitude and behaviors, diversity and land management, public responses to agency interventions and management approaches, intra-group conflict.

Fire Planning and Management

Program Manager: Richard Kimberlin

Pacific Southwest Research Station

Forest Fire Laboratory

4955 Canyon Crest Drive

Riverside, CA 92507

Web Address: http://www.fs.fed.us/psw/programs/wildland_fire_management/

Main Topics of Social Science Research:

- Develop dynamic models for fire growth and fire suppression effectiveness using complex terrain, weather, and fuels data. These will help fire managers evaluate how well alternative fuels management and fire suppression strategies and tactics meet land and resource management objectives;
- Analyze the influence of social and non-commodity values in fire management decisions and develop methods to integrate their consideration with market resource values in fire management benefit-cost and risk analyses; and

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- Develop ways to use seasonal fire weather forecasts in making decisions about fire management budgets and allocating protection forces to maximize regional and national fire program efficiency.

Social Scientists:

Armando González-Cabán (economics): valuing non-commodity resources, acceptability/support for fuels reduction programs; decision-making processes in wildland fire suppression

Mark Wiitala (economics): fire decision-making

Center for Urban Forest Research

Project Leader: Greg McPherson

Pacific Southwest Research Station

1 Shields Ave., Suite 1103

Davis, California 95616-8587

Web Site: <http://cufr.ucdavis.edu>

Main Topics of Social Science Research

- Urban forest benefit-cost analysis
- Landscape preferences at urban-wildland interface
- Modeling benefits and costs of alternative firewise landscapes
- Assessing compliance with California fire safety laws

Social Scientist

Greg McPherson (forestry): urban forest management and economics

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Sierra Nevada Research Center

Program Manager: Peter Stine

Pacific Southwest Research Station

2121 Second Street, Suite A-101

Davis, CA 95616

Web Site: <http://www.fs.fed.us/psw/programs/snrc/>

Main Topics of Social Science Research:

- Governance and decision-making strategies in resource planning and management
- Institutional capacities of agencies, NGOs, and private sector to participate in integrated and collaborative resource planning and management
- Adaptive management regimes, including institutional change to integrate cycles of learning and management change
- Institutional and policy constraints and opportunities in utilization of biomass from forest health and fuels treatments
- NEPA innovations and strategies
- Politics of the negotiated values of “public goods”

Social Scientist

Mark Nechodom (political science): institutional regimes and capacities in resource management; collaboration strategies; interactions of science and policy

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**ROCKY MOUNTAIN RESEARCH STATION
FORT COLLINS, CO**

Aldo Leopold Wilderness Research Institute

Director: David Parsons

Box 8089, 790 E. Beckwith Ave.

Missoula, MT 59807

Web Address: <http://leopold.wilderness.net/>

Main Topics of Social Science Research:

- Understanding the effects of recreation use and recreation management strategies on wilderness attributes and visitor experiences
- Developing strategies to manage and restore natural disturbances in wilderness ecosystems

Social Scientists:

Neil Christensen (social science): social acceptance of wilderness use fees, use conflicts, natural resource based tourism

David Cole (recreation ecology): human impacts to natural environments, monitoring

Alan Watson (social science): conflicting demands on natural resources, experiential aspects of wilderness, wilderness values

Cultural Heritage Research

Project Leader: Joseph Tainter

USDA Forest Service

Forestry Sciences Lab

333 Broadway SE

Albuquerque, NM 87102

Main Topics of Research:

- Role of traditional economic practices, such as ranching, in maintaining cultural identity and economic health among rural families and communities
- Understand how to sustain communities and management institutions in the face of conflict, climate change, and resource change
- Clarify the goals of public land stewardship by understanding long-term environmental change and human influence on landscape development

Scientists:

Richard Periman (archeology): human ecology, environmental history, anthropogenic environmental change, cultural components of epidemiology

Carol Raish (anthropology): role of cultural diversity in land use, management, and conflict; role of traditional economic practices in maintaining cultural identity; community beliefs, attitudes, and preferences concerning fire use and management

Joe Tainter (anthropology): cultural complexity, economic of problem solving, human ecology, sustainable development, land-use conflict, cultural identity

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Economic Aspects of Forest Management on Public Lands

Project Leader (Acting): Greg Jones

Rocky Mountain Research Station

Forestry Sciences Laboratory

P.O. Box 8089

Missoula, MT 59807

Web Site: <http://www.fs.fed.us/rm/missoula/4802/>

Main Topics of Research:

- Improve the information and techniques available to assess the economic efficiency aspects of sustainable forest management, especially in high priority situations
- Provide information and analyses in response to a wide variety of fire management problems and situations especially in the areas of fuel treatment and wildfire suppression costs
- Incorporate research on fuel treatment costs with bio-based products research, focusing on the utilization of small diameter materials for both products and bio-energy
- Provide managers with computer-based technology needed to support economic analyses of project-level decision alternatives and of decision alternatives at the landscape scale where issues of timing and geographical location are critically important
- Improve understanding of the economic effects of forest management on the economic sustainability of local and regional economies

Scientists:

Dave Calkin (economics): fuel treatment economics, bio-based products, multi-resource tradeoff analysis, federal revenue sharing

Krista Gebert (economics): fire suppression costs and fuel treatment costs, bio-based products, federal revenue sharing, timber management economics

Greg Jones (forest economics): decision support systems, landscape analysis for fuel treatments

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Identification and Valuation of Wildland Resource Benefits

Project Leader: Tom Brown

Rocky Mountain Research Station

Natural Resources Research Center

2150 Center Avenue

Fort Collins, CO 80526

Web Address: <http://www.fs.fed.us/rm/value/>

Main Topics of Research:

- Monetary valuation of non-market goods and services
- Alternative (non-monetary) methods for measuring values for non-market goods and services
- Role of economics in sustainable forest management
- Environmental and institutional aspect of water resource management
- Scenic quality assessment
- Outdoor recreation research and management
- Pricing outdoor recreation services and facilities

Scientists:

Tom Brown (resource economics): non-priced valuation, scenic quality assessment, economic, environmental, and institutional aspects of water resource management

Patricia Champ (resource economics): non-market valuation, emphasis on validity issues

Daniel McCollum (resource economics): non-priced valuation, rural economic development, economic impact analysis, Alaska wildlife valuation

Daniel Williams (environmental psychology, human geography, consumer behavior): mapping landscape meanings and values; social approaches to resource valuation, international differences in meaning and use of amenity and recreational landscapes, social aspects of wildland fire

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Natural Resource Assessment, Ecology, and Management Science Research

Project Leader: Brian Kent

Rocky Mountain Research Station

Natural Resources Research Center

2150 Center Avenue

Fort Collins, CO 80526

Web Address: <http://www.fs.fed.us/rm/analytics/>

Main Topics of Social Science Research:

- Develop methods for analyzing sustainable forest and rangeland management.
- Developing, testing, refining, integrating, and interpreting indicators of sustainable forest and rangeland management.
- Improved technology and methods for quantitative resource management planning and analysis.
- Incorporating the dimensions of human-caused and natural disturbances into analysis tools to support forest planning.

Social Scientists:

Mike Bevers (management science): systems analysis, risk management

John Hof (economics, management science): optimization/joint production

Brian Kent (operations research): collaborative forest planning, decision analysis

Deborah Shields (economics): minerals economics and assessments, nonrenewable resource criteria and indicators of sustainability, national survey of Forest Service stakeholder values, objectives, beliefs, attitudes, and behaviors.

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**SOUTHERN RESEARCH STATION
ASHEVILLE, NC**

Recreation, Wilderness, Urban Forest, and Demographic Trends Research

Project Leader: Ken Cordell

Southern Research Station

Forestry Sciences Lab

320 Green Street

Athens, GA 30602

Web Address: <http://www.srs.fs.usda.gov/trends/>

Main Topics of Research:

- Market trends, public perceptions, values, and social effects of outdoor recreation
- Demand, perceptions, values, and relationships with wilderness
- Benefits and values from urban forests and the effects of expanding urban populations on natural resources in the South
- Interactions between natural resources management and communities, especially rural communities
- National Visitor Use Monitoring: measurement and modeling of recreation visitation to national forests
- National. Survey on Recreation and the Environment: national household survey on recreation participation, public land policy, environmental issues and trends
- Southern Center for Urban Forest Research and Information: cooperative center between FS Southern Region's State and Private Forestry and Southern Research Station for regional urban forestry research and technology transfer, Edward Macie (FS Southern Region) and Ken Cordell, co-directors

Scientists:

Carter Betz (recreation planning): national recreation supply and demand analysis, socioeconomic data management and analysis, recreation policy.

Mike Bowker (resource economics): recreation demand modeling, non-commodity forest benefit modeling, research methodology, social welfare economics, wilderness valuation, recreation management decisions

Ken Cordell (forest economics): national recreation assessment and trend analysis, supply of and demand for outdoor recreation

Don English (resource economics): recreation impacts on rural economies, recreation supply modeling, recreation demand modeling, National Visitor Use Monitoring

Dudley Hartel (urban forestry): development and dissemination of science-based technologies

Cassandra Johnson (sociology): environmental sociology, environmental justice, cross-cultural perceptions of natural landscapes.

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Economics of Forest Protection and Management

Project Leader: David Wear

Southern Research Station

Forestry Sciences Laboratory

P.O. Box 12254

Research Triangle Park, NC 27709

Web Address: <http://www.rtp.srs.fs.usda.gov/econ/>

Main Topics of Research:

- Improve information and methods for assessing the efficiency and equity impacts of forest management, policy, programs, regulations, and landowner incentives to address the preventive, emergency, and restorative needs associated with forest disturbances.
- Refine understanding of how forest and trade policies, catastrophic shocks, market structure, forestland ownership, demographic factors, and technology affect timber supply, forest products trade, land use, and forest sector benefits.
- Improve methods for measuring non-market values provided by forests; identify forest amenity values and characterize their distribution across members of society and geographic regions; and develop strategies to use non-market values in decision-making.
- Improve methods for integrated assessments at regional and national scales; identify emerging resource problems; provide policy-relevant insights into communities and conservation issues.

Scientists:

Karen Abt (forest economics): rural development, ecological economics, private timber supply.

Tom Holmes (forest economics): non-market valuation, forest health economics, tropical forestry, timber market function

Evan Mercer (forest economics): non-market valuation, tropical forestry, economics of natural disturbances, agroforestry economics, wetlands, land-use

Jeff Prestemon (forest economics): timber market structure and function, private timber supply behavior, economics of natural disturbances, trade

David Wear (forest economics): multiple-use production, land use change, timber supply

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Legal, Tax, and Socio-Economic Influences on Forest Resource Management

Project Leader: James Granskog

Southern Research Station

RM T-10034, P.S.B.

701 Loyola Ave.

New Orleans, LA 70113

Web Address: <http://www.srs.fs.usda.gov/4802/index.htm>

Main Topics of Research:

- Effects of taxes--federal, state, and property--on forest resource management
- Effects of forestry and environmental laws, policies, and regulations on the management and sustainability of forest resources
- Social, cultural, and economic aspects of sustaining people and forests in the South
- Economics of innovative silvicultural practices for southern forests

Scientists:

Rod Busby (forest economics): economics of forest investments

Brian Doherty (forest economics): forest property taxation

James Granskog (forest economics): foreign trade, rural development, and forest investment incentives

John Greene (forest economics): effects of environmental regulation on forest management and taxation

Terry Haines (forestry): prescribed burning, water quality and wetlands law

Steverson Moffat (policy analysis): effects of laws and policies on public and private forest management; sustainable forest management, forest certification

John Schelhas (social science): social, cultural, and economic relationships between minority and limited resource landowners and forests

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SOCIAL SCIENCE IN OTHER PROGRAMS

Principles of Landscape Ecology for Managing Temperate Ecosystems, North Central Research Station

Project Leader: Eric Gustafson

USDA Forest Service

Rhineland, WI 54501

Web Address: <http://www.ncrs.fs.fed.us/4153/>

Main Topics of Research with Social Science Focus:

- Improving management and resolving conflict through integration of science and “local wisdom”
- Developing a collaborative social assessment
- Developing human dimension technical guides for land management planning
- Identifying and modeling social drives of landscape change

Social Scientist

Robert Potts (social science)

National Woodland Owner Survey, Northeastern Research Station

Coordinator: Brett Butler

USDA Forest Service

11 Campus Blvd., Suite 200

Newtown Square, PA 19073

Web Address: <http://www.fs.fed.us/woodlandowners/>

Objectives:

- Characterize the land holdings, the ownership and management objectives, and the demographics of the private woodland ownerships in the states and territories of the U.S.
- Assess the flows of market and non-market goods from private woodlands.
- Measure the characteristics of participants in federal and state forestry incentive, education, and technical assistance programs.
- Quantify the use of forest management practices including sources of information.
- Assess landowner perceptions of the health of their woodlands.
- Ascertain the constraints that are hindering private woodland ownerships from meeting their objectives.

Scientists:

Brett Butler (landscape ecology)(Northeastern Research Station): private woodland ownership, parcelization/fragmentation, sustainability, statistics.

Earl Leatherberry (social science)(North Central Research Station): private woodland ownership, forest resources.

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Environmental Analysis & Research Team, Forest Inventory & Analysis Program, PNW Research Station

Team Leader: Jeremy Fried

Forestry Sciences Lab

620 SW Main, Suite 400

Portland, OR 97205

OR

P.O. Box 3890

Portland, OR 97208

(503) 808-2058

Scientists also located in Corvallis, OR

Web addresses: <http://www.fs.fed.us/pnw/fia/>

Main Topics of Research with Social Science Focus:

- What are the implications of changes in land use and cover for wildland management?
- What are the impacts of land use policies on forest land use and condition?
- Where does wildland-urban and wildland-rural interface occur & how does its location and extent change over time?
- What are the impacts of land use change on fire management and fire hazard?
- Where are areas of high fire hazard combined with growing human population density and who is at risk?
- Where are fuel treatment opportunities & how are they constrained by social values?
- What do Criteria and Indicators tell us about the sustainability of Pacific Coast forests?

Social Scientists:

Dave Azuma (statistician [Portland]): land use change, insects and disease impacts, riparian inventory

Tara Barrett (operations research [Portland]): stand visualization, spatial optimization

Jeremy Fried (operations research/economics [Portland]): Geo-spatial modeling, fire management and economics

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*Disturbance Ecology and Management Team, Managing Disturbance Regimes Program,
PNW Research Station*

Team Leader: Jane Hayes

Forestry and Range Sciences Lab

1401 Gekeler Lane

La Grande, OR 97850

Web address: <http://www.fs.fed.us/pnw/lagrande/dem.htm>

Main Topics of Social Science Research:

- Assess impact of forest treatment (e.g., thinning, prescribed burning) on adjacent homeowners' wildfire risk perception and wildfire mitigation behaviors.
- Identify socio-demographic variables underlying homeowner attitudes about wildfire risk and characteristics of their risk mitigation behaviors. Resulting information can be used to inform risk communication strategies.
- Develop a transdisciplinary wildfire risk model that incorporates social dimensions of risk (e.g., risk perception, social acceptability of stand treatments) with traditional risk assessment measures (e.g., stand density, species composition, fuel loading, climate).

Social Scientist:

Heidi Bigler Cole (social psychology, cultural landscapes): risk assessment, human risk perception/behavior linkages, participatory research, transdisciplinary modeling.

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