

## Our Scientists at Work: Programs, People, Facilities

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*Auburn, Alabama*

*Monticello, Arkansas*

*Athens, Georgia*

*New Orleans, Louisiana*

*Pineville, Louisiana*

*Saucier, Mississippi*

*Mississippi State, Mississippi*

*Stoneville, Mississippi*

*Asheville, North Carolina*

*Otto, North Carolina*

*Raleigh, North Carolina*

*Research Triangle Park, North Carolina*

*Charleston, South Carolina*

*Clemson, South Carolina*

*Nacogdoches, Texas*

*Blacksburg, Virginia*

## Our Scientists at Work: Programs, People, Facilities

Our Research Work Units (RWU) are located in offices and laboratories in nine States across the Southern United States. Our work covers 13 Southern States, with findings that are applicable throughout the Nation and internationally as well. While each RWU has a central location, listed below, some have subunits located at additional sites. Our directory of Research Scientists, which includes more detail about the expertise of each scientist, is located on our Web site at: <http://www.srs.fs.fed.us/staff/scientist/index.htm>

### SRS-4105 and SRS-4703

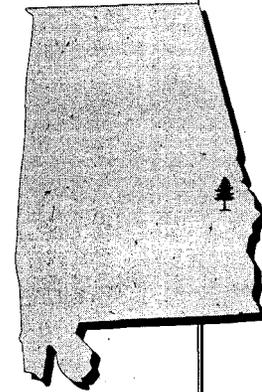
G.W. Andrews Forestry Sciences Laboratory  
520 Devall Drive  
Auburn, AL 36849

The G.W. Andrews Forestry Science Laboratory is located on the campus of Auburn University. The modern office and laboratory facility contains well-equipped environmental chemistry and soil laboratories and a large engineering research laboratory. Adjacent buildings house greenhouse, shop, warehouse, and chemical storage facilities.

**SRS-4105, Vegetation Management Research and Longleaf Pine Research for Southern Forest Ecosystems.** The mission of this unit is to: 1) determine the environmental fate and impact of forest herbicides and to develop integrated vegetation prescriptions for multiple resource benefits in southern forestry; and 2) develop systems and models for the development of a variety of regeneration and management alternatives for longleaf pine ecosystems. Long-term longleaf studies and demonstrations are maintained on the 3,000-acre Escambia Experimental Forest in south Alabama.

### **SRS-4703, Biological/Engineering Systems and Technologies for Ecological Management of Forest Resources.**

The mission of this Unit is to provide basic scientific information which will improve the forest operations tools used in resource management. Projects are designed to elicit knowledge about: 1) the biological/ecological effects of forest operations; 2) knowledge about engineering system performance and cost; 3) knowledge about human performance in forest work; and, 4) knowledge about decision-making and planning technologies. The research goal is to develop forest operations that do what resource managers prescribe in an efficient and economical manner without generating undesirable side effects.



Auburn

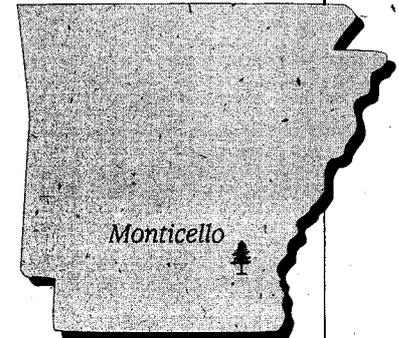
Website for SRS-4703: <http://srs4703.usfs.auburn.edu/unit.html>

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## Our -Scientists at Work:] Programs, People, Facilities

SRS-4106

Forest Resources Building,  
University of Arkansas at Monticello  
P.O. Box 3516, Room 211  
Monticello, AR 71656-3516



This unit is located at the University of Arkansas, in cooperation with the School of Forest Resources and the Arkansas Agricultural Experiment Station. The 1,675-acre Crossett Experimental Forest, located 7 miles south of Crossett, is maintained as a research and demonstration forest.

**SRS-4106, Managing Upland Forest Ecosystems in the Midsouth.** This unit provides scientific information to understand, manage, and sustain the ecological processes, structures, and benefits of loblolly pine, shortleaf pine, mixed pine-hardwood, and hardwood forests in the uplands of the Midsouth. Research includes the development of:

1. a better understanding of the environmental factors and ecological processes influenc-

ing establishment and growth of forest reproduction which is needed to fully develop silvicultural alternatives for upland forests in the Midsouth;

2. silvicultural alternatives for regenerating and managing upland forests which requires a better understanding of forest stand dynamics, including the role of disturbance; and
3. a better understanding of the effects of silvicultural treatments on forest stands and interactions between stands which is needed to make landscape-level decisions.

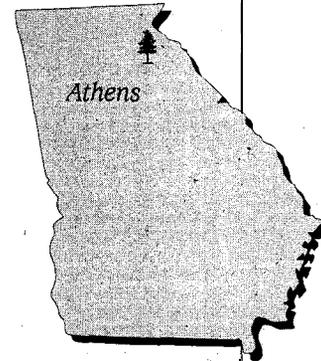
More information available at: <http://www.srs.fs.fed.us>

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## Our Scientists at Work: Programs, People, Facilities

### SRS-4104, SRS-4505, and SRS-4901

Forest Sciences Laboratory  
320 Green Street  
Athens, GA 30602-2044



The Forestry Sciences Laboratory is on 4 acres of land near the University of Georgia's School of Forestry. The facility, containing 17,962 square feet of laboratory space, and 14,000 square feet of office space, consists of two buildings, an insectary, greenhouses, a nursery, a fully equipped woodworking and fabricating shop, and a wood products testing laboratory. The nearby 4,500-acre Scull Shoals Experimental Forest is the site of several silvicultural research studies.

SRS-4104, Disturbance and the Management of Southern Pine Ecosystems. The unit conducts research to sustain and enhance the productivity of southeastern forests, whether intensively cultured or extensively managed. Specific research is being conducted in the areas of forest ecology, fire ecology, smoke management, and harvesting and wood properties of forests of the Atlantic Coastal Plain.

SRS-4505, Insects and Diseases of Southern Forests. The unit conducts research to provide the knowledge

about insects and microorganisms needed to manage productive, healthy seed orchards, nurseries, plantations, and native forests. Interactions of land use and forest management practices on arthropod populations are studied with regard to their functional role as decomposers, as pollinators of rare plants, and as prey for endangered species, such as the red-cockaded woodpecker. The unit also works to develop control measures for non-native, invasive species, such as the fungi that cause dogwood anthracnose and butternut canker.

SRS-4901, Assessing Trends, Values, and Rural Community Benefits from Outdoor Recreation and Wilderness in Forest Ecosystems. The unit applies research theory and methodology to assessments of outdoor recreation and wilderness, with emphasis on supply-and-demand trends, economic values, and benefits to rural communities.

More information available at: <http://www.srs.fs.fed.us>

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# Our Scientists at Work: Programs, People, Facilities

## SRS-4802

T-10034 U.S. Postal Building  
701 Loyola Avenue  
New Orleans, LA 70113



**SRS-4802, Evaluation of Legal, Tax, and Economic Influences on Forest Resource Management.**

This is the Forest Service's principal unit concerned with effects of Federal, State and local taxes, laws; and regulations products and the economics of innovative silvicultural practices for southern export markets for southern softwood forests.

## SRS-4111, SRS-4501, and SRS-4701

Alexandria Forestry Center  
2500 Shreveport Highway  
Pineville, LA 71360

The Alexandria Forestry Center in Pineville was constructed in 1963 to house the Forest Sciences Laboratory of the Southern Forest Experiment Station (now Southern Research Station), the Supervisor's Office of the Kisatchie National Forest, and Forest Pest Management of State and Private Forestry. The Center is located on about 27 acres and includes an insectary, two greenhouses, a forest products building, and a main office/laboratory building. The nearby Palustris Experimental Forest consists of two separate tracts that total 7,500 acres.

**SRS-4111, Ecology and Management of Even-aged Southern Pine Forests.**

This unit provides fundamental knowledge on the ecology and physiology of southern pine species and even-aged

management options to enhance and sustain the productivity of southern pine ecosystems. The program is the basis for improving our knowledge of the physiological responses to silvicultural treatments during plantation establishment and development.

**SRS-4501; Southern Pine Beetle: Ecology, Behavior, and Management.**

This unit is responsible for Forest Service research on improved methods for predicting and managing the southern pine beetle through acquisition and use of basic knowledge of its ecology and behavior.

**SRS-4701, Utilization of Southern Forest Resources.**

This unit defines and applies fundamental chemistry, material science, and engineering principles to the utilization and processing of southern forest resources in an environmentally sound way.

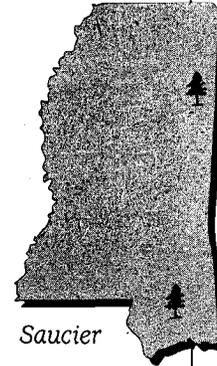
More information available at: <http://www.srs.fs.fed.us>



# Our Scientists at Work: Programs, People, Facilities

## SRS-4153

**I**  
 Harrison Experimental Forest  
 23332 Highway 67  
 Saucier, MS 39574-9344



Mississippi State

The Southern Institute of Forest Genetics was established July 1, 1954 on the Harrison Experimental Forest, located 25 miles north of Gulfport, MS. The Experimental Forest covers 4,111 acres that typify about 31 million acres of land with similar soils and topography in the South. The Institute is housed in some buildings that date back to the mid-1930s, constructed by the CWA, WPA, and CCC; four new laboratories for molecular genetic analyses on southern pines were recently added to the site.

**SRS-4153, Southern Institute of Forest Genetics (SIFG).** Research at the SIFG focuses on developing procedures to improve the health, productivity and genetic diversity of southern forests through better understanding of the genetics, ecology and evolutionary relationships in forest ecosystems.

Website for SRS-4153: [www.srs.fs.fed.us/sifg/](http://www.srs.fs.fed.us/sifg/)

## SRS-4502 and SRS-4801

P.O. Box 6124  
 Mississippi State, MS 39762-6124

The Forestry Sciences Laboratory, established in 1969 to house seed tree research, genetics, and rural fire research, is on a 7-acre tract adjacent to Mississippi State University. Computer facilities include data base management, image analysis, and geographic information systems.

SRS-4801, Forest Inventory and Analysis. This unit, part of SRS-4801 headquartered in Asheville, NC, develops, analyzes, and maintains forest

resources information for Southern States and conducts research to provide improved inventory and evaluation techniques.

**SRS-4502, Wood Products Insect Research.** The mission of this unit is to define the role of termites in forest ecosystems, to improve protection of wood against damage, and to understand the impact of termites on forest health: All new termiticides must undergo extensive laboratory and field testing by this unit prior to EPA registration.

Website for SRS-4801: [www.srsfia.usfs.msstate.edu](http://www.srsfia.usfs.msstate.edu)

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## Our Scientists at Work: Programs, People, Facilities

### SRS-4155

Southern Hardwoods Laboratory  
P.O. Box 277  
Stoneville, MS 38776

Stoneville



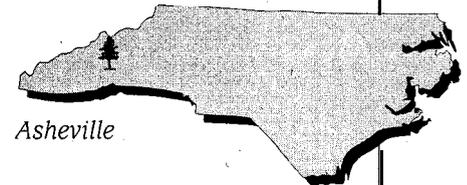
The Southern Hardwoods Laboratory is located on a 3.45-acre site that is part of the Mississippi State Forestry and Agricultural Experiment Station. The 18,000-square-foot building houses offices, a photo lab, and lab facilities for plant pathology, entomology, plant physiology, and soils. The site also has 2,000 square feet of greenhouse space, and separate soils building, and an insectary. The 2,900-acre Delta Experimental Forest, 3 miles north of Stoneville, is the site of numerous research plots.

SRS-4155, Center for Southern Bottomland Hardwood and Wetland Forest Ecosystems. This unit conducts research and technology transfer in southern pine genetics/diseases, wood products insects, forest inventory, and management and ecology of bottomland hardwoods, including tree seed technology and regeneration, stand management and forest health, threatened, endangered, and sensitive terrestrial and aquatic fauna, hydrology, and wetlands restoration.

More information available at: <http://www.srs.fs.fed.us/cbhr>

### SRS-4801

P.O. Box 2680  
200 W.T. Weaver Blvd.  
Asheville, NC 28802



Asheville

The headquarters of the Southern Research Station occupies 11 acres of land leased from the University of North Carolina and houses the Station Director and staff, administrative units, and SRS-4801. A Forest Health unit of the National Forest System's Southern Region is also located at this site.

SRS-4801, Forest **Inventory** and Analysis. This unit develops, analyzes, and maintains forest resources information for Southern States and conducts

research to provide improved inventory and evaluation techniques. In 1996, this unit became part of the Southern Research Station's new Southern Forest Inventory, Monitoring and Analysis Program which consolidates Forest Inventory and Analysis research conducted at Asheville, NC and Starkville, MS, Forest Health Monitoring for Southern States and the Biometrics unit, both in Asheville, NC.

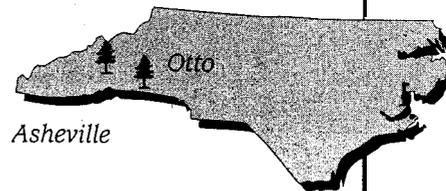
More information available at: <http://www.srsfia.usfs.msstate.edu>

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## Our Scientists at Work: Programs, People; Facilities

### SRS-4101

Bent Creek Experimental Forest  
1577 Brevard Road  
Asheville, NC 28806



The Bent Creek Experimental Forest is located near Asheville, North Carolina on land that was once part of the Vanderbilt Estate. Today, scientists at this 6,300-acre tract study regeneration of red oak, site classification, and intermediate stand management. The demonstration forest allows resource managers, students, and private landowners to learn the latest forest management practices.

SRS-4101, Ecology and Management of Southern Appalachian Hardwood Forests. This unit's mission is to develop and disseminate the scientific knowledge and silvicultural techniques needed to provide a full range of benefits in Southern Appalachian hardwood forests.

Website for SRS-4101: <http://www.srs.fs.fed.us/bentcreek/>

### SRS-4351

Coweeta Hydrologic Laboratory  
3160 Coweeta, Lab Road  
Otto, NC 28763

The Coweeta Hydrologic Laboratory is located in the 5,400-acre Coweeta Basin, near Franklin, NC; watershed responses have been studied here for over 60 years. This world-renowned research operation was selected by the National Science Foundation as one of eleven Long-Term Ecological Research sites, and was included in the International Biological Program, the International Hydrologic Decade, and UNESCO's "Man and the Biosphere" Program.

SRS-4351, Evaluation of Watershed Ecosystem Responses to Natural, Management, and Other Human Disturbances of Southeastern Forests. This unit's mission is to evaluate, explain, and predict how water, soil, and forest resources respond to ecosystem management practices, natural disturbances, and the atmospheric environment; and to identify practices which mitigate impacts on these watershed resources.

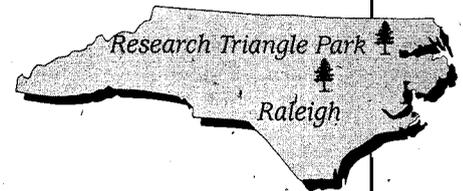
More information available at: <http://www.srs.fs.fed.us>

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## Our Scientists at Work: Programs, People, Facilities

### SRS-4852

Southern Global Change Program  
1 509 Varsity Drive  
Raleigh, NC 27709



This unit is part of the Air Resources Consortium and is located on the North Carolina State University campus.

SRS-4852, Southern Global Change Program. Through cooperative research efforts and in-house research, this unit is charged with providing increased understanding of forest ecosystem response to global change. Global

change impacts include air pollution, current and potential future climate stress, and changing human resource demands. The program develops and evaluates science-based strategies to ensure sustained productivity and ecosystem health.

Website for SRS-4852: <http://sgcp.arcc.ncsu.edu/index.html>

### SRS-4154, SRS-4803, and SRS-4851

For&try Sciences Laboratory  
3041 Cornwallis Road, P.O. Box 12254  
Research Triangle Park, NC 27709

The Forestry Sciences Laboratory was built in 1962 on a 26-acre tract donated by the Research Triangle Foundation. A greenhouse, nursery, and service buildings were added later. Its location enables close contact with the forestry schools and libraries at Duke University and North Carolina State University.

SRS-4154, Biological Foundations of Southern Forest Productivity and Sustainability. This unit's mission is to quantify aboveground and belowground processes governing forest productivity and sustainability. This research is conducted by scientists at two locations: Research Triangle Park, NC, and Athens, GA.

SRS-4803, Forest Health Monitoring. This unit monitors the Nation's forests in

order to detect unexpected deviation from established baseline conditions or trends, identify cause, and define basic relationships sufficient to predict consequences.

SRS-4851, Economics of Forest Protection and Management. This unit's mission is to analyze the uses and values of forests in the South, including the function of land and resource markets; the effects of social change on forest conditions, measures of sustainable forestry, the formation of values for private and public forests, and the economic and social impacts of forest policies and programs.

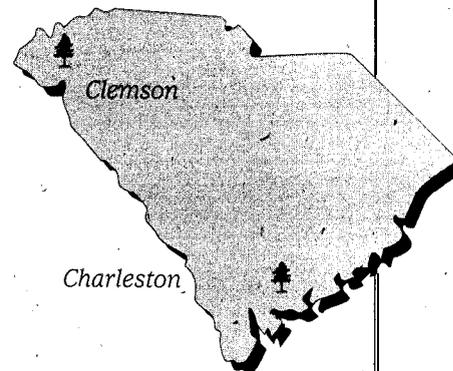
Website for SRS-4154: [www.emapfhn.gov/soils/soilhome.htm](http://www.emapfhn.gov/soils/soilhome.htm)  
Website for SRS-4851: [www.emapfhn.gov/econ/econhome.htm](http://www.emapfhn.gov/econ/econhome.htm)

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## Our Scientists at Work: Programs, People, Facilities

### SRS-4103

Center for Forested Wetlands Research  
2730 Savannah Highway,  
Charleston, SC 29414



The Center for Forested Wetlands Research is located in Charleston, SC. Facilities include a soil and water laboratory, offices, greenhouses, and a library. The Center also administers the 6,100-acre Santee Experimental Forest, northeast of Charleston.

SRS-4103, Center for **Forested Wetlands** Research. The specific mission of the Center is to develop, quantify,

and synthesize ecological information needed to sustainably manage and restore the structure, functions, and productivity of forested wetland landscapes.

Website for SRS-4103: [www.srs.fs.fed.us/charleston/](http://www.srs.fs.fed.us/charleston/)

### SRS-4201

Department of Forest Resources  
Clemson University  
Clemson, SC 29414

This unit has office and laboratory space at Clemson University's School of Forest and Recreation Resources.

SRS-4201, Endangered, Threatened, and Sensitive Wildlife and Plant

Species in Southern Forests. This unit's mission is to determine habitat and population relationships of wildlife and plant species associated with fragmented and isolated forest communities.

Website for SRS-4201: [srsfia.usfs.msstate.edu/srs/srs4201/srs4201a.htm](http://srsfia.usfs.msstate.edu/srs/srs4201/srs4201a.htm)

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## Our Scientists at Work: Programs, People, Facilities

### SRS-4251

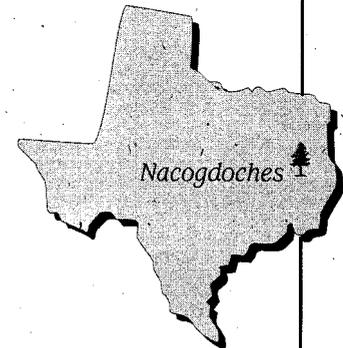
**Wildlife Habitat and Silviculture Laboratory**  
 Box 7600, SFA Station  
 506 Hayter Street  
 Nacogdoches, TX 75961

The Nacogdoches Wildlife Habitat and Silviculture Laboratory is located near the 2500-acre Stephen F. Austin Experimental Forest.

**SRS-4251, Integrated Management of Wildlife Habitat and Timber Resources.** This unit investigates questions concerning wildlife and habitat interactions. It is the only Forest Service

wildlife research unit in the South whose mission focuses on game and nongame species in addition to threatened and endangered species.

More information available at: <http://www.srs.fs.fed.us>



### SRS-4202

**Department of Fisheries & Wildlife Services**  
 Virginia Polytechnic Institute & State University  
 Blacksburg, VA 24061

**SRS-4202, Coldwater Streams and Trout Habitat in the Southern Appalachians.** This unit's mission is to acquire new knowledge about the factors that influence the distribution, abundance, and productivity of trout and other coldwater fish in the Southern Appa-

lachians and to provide the technical basis for protecting, enhancing, and restoring coldwater streams and their fauna. The Center for Aquatic Technology Transfer is part of this unit.

Website for SRS-4202: [www.trout.forprod.vt.edu/4202.htm](http://www.trout.forprod.vt.edu/4202.htm)



### SRS-4702

**Department of Fisheries & Wildlife Services**  
 Virginia Polytechnic Institute & State University  
 Blacksburg, VA 24061

**SRS-4702, Integrated Life Cycle of Wood: Tree Quality, Processing, and Recycling.** This unit's mission is to

enhance wood resource conservation and sustainability through advanced timber analysis and wood processing, and effective wood product recovery, reuse, and recycling.

Website for SRS-4702: [www.se4702.forprod.vt.edu](http://www.se4702.forprod.vt.edu)

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