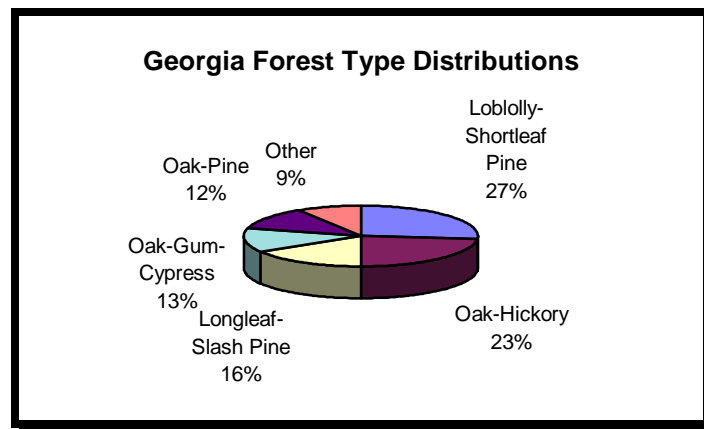


The Resource

Georgia's forests cover 24.4 million acres, nearly two thirds of the state's land area. The majority of the state's forested land, some 17.1 million acres, is in nonindustrial private ownership, while approximately 752,000 acres are in national forests. Forestry is the most important industry in Georgia, providing 169,400 jobs and producing \$25.3 billion in annual revenue. Georgia's forests are also prized for their scenic beauty, supporting tourism and outdoor recreation and providing wildlife habitat from the Appalachian Mountains in the north to the Coastal Plain in the south and east. Major forest types in the state include oak-hickory, loblolly and shortleaf pine, longleaf and slash pine, mixed oak-pine, and oak-gum-cypress. Other types account for 9% of the state's forests.



Forest health monitoring (FHM) activities are cooperative efforts between the USDA Forest Service and the Georgia Forestry Commission. The FHM program in Georgia includes periodic measurement of fixed plots as well as regular aerial and ground surveys to detect forest damage.

Special Issues

Key issues which State and federal programs are addressing cooperatively include:

- Urban area expansion and related impacts on forest land acreage and forest health
- Water quality protection through greater use of best management practices
- Sustaining forest resources through wise private landowner stewardship

Forest Influences

Southern pine beetle (SPB) is Georgia's most significant forest insect pest. In 2005, SPB activity remained at low levels, with no counties reported in outbreak status.

Pine engraver beetles (*Ips spp.*) displayed intense activity in the lower Piedmont and upper Coastal Plain in the second half of 2005 due to seasonal drought. Activity is often associated with thinning and *annosum* root disease. Because *Ips* infestations tend to be

relatively small and scattered, they usually cannot be effectively controlled or salvaged, but their economic costs may approach those caused by SPB.

Black turpentine beetle activity remained problematic in 2005, primarily in association with stand thinnings and *annosum* root disease. Thinnings utilizing rotary saw-type harvesting equipment apparently invite BTB attack due to their tendency to produce free resin flow.

Pine sawflies displayed only limited activity in the Coastal Plain in 2005, with one- and two-year-old plantations being hardest hit. Damage was generally light to moderate.

Hemlock wooly adelgid (HWA) was first detected in Rabun County in 2002. It has continued to spread westward across northern Georgia, infesting native hemlock stands across the species' range in the state. Current suppression activities involve a cooperative effort to rear and release predators in hope of achieving biological control of the adelgid, but the prognosis for hemlocks is not good. Except on individual trees in landscape settings, chemical control of HWA is not practical, and major losses of these ecologically valuable trees are probable within a few years.

Gypsy moth suppression activity was limited to trapping in 2005. Twelve male moth captures were reported from four counties, but no active infestations were reported.

Fusiform rust is one of the state's most destructive forest diseases. The fungus causes serious infections on extensive areas of pine forest.

Annosum root rot remains a problem on high hazard sites throughout the state. Losses from this disease are especially serious in older CRP plantations that have been thinned.

Dogwood anthracnose is a disease of cool, moist areas in the higher elevation forests of northern Georgia. It is currently causing significant mortality to native dogwoods in 38 counties. No new areas of infection were reported in 2005.

Sudden Oak Death surveys were initiated in Georgia in 2003 and continued in 2005 with the addition of stream baiting to detect the pathogen. The surveys focused on the perimeters of horticultural nurseries that had received potentially infected stock from shippers in California and Oregon and on watersheds considered to be at elevated risk.

Red bay mortality caused by a fungus vectored by an exotic ambrosia beetle was first reported in 2004 and continued to spread in 2005. Effects on red bay and other potential host species are being studied.

Forest Health Assistance in Georgia

For further information or assistance, contact:

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<http://www.state.ga.us/Management/pestmgt.cfm>

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