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Southeastern Forest
Experiment Station

FOREST STATISTICS FOR CENTRAL GEORGIA, 1982

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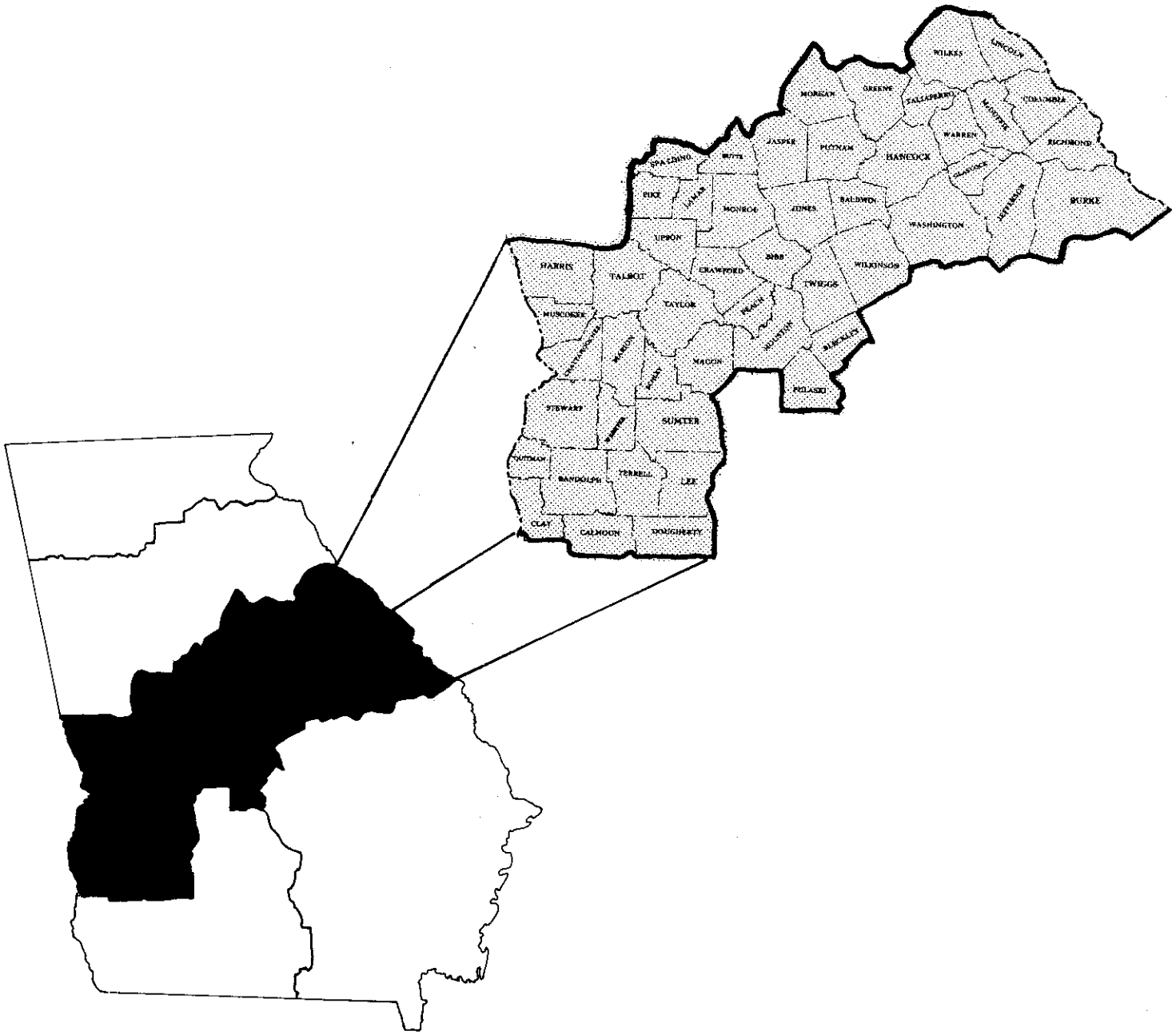
SE-65



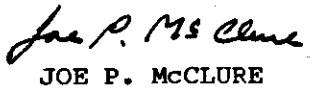
Foreword

This report highlights the principal findings of the fifth forest survey of Central Georgia. Fieldwork began in October 1981 and was completed in June 1982. Four previous surveys, completed in 1936, 1952, 1961, and 1972, provide statistics for measuring changes and trends over the past 46 years. The primary emphasis in this report is on the changes and trends since 1972. Previously reported figures have been adjusted to provide the best estimate of change.

Periodic surveys of the forest resource are authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. These surveys are a continuing, nationwide undertaking by the regional experiment stations of the Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, these surveys are administered by the Forest Inventory and Analysis (Forest Survey) Research Work Unit at the Southeastern Forest Experiment Station, with headquarters in Asheville, North Carolina. The primary objective of the survey is to periodically inventory and evaluate all forest and related resources. These multi-resource data help provide a basis for formulating forest policies and programs and for the orderly development and use of the resources. This report deals only with the extent and condition of forest lands, associated timber volumes, and rates of timber growth and removals.

The 49-county area covered by this report is one of five survey units in Georgia. Similar reports, USDA Forest Service Resource Bulletins SE-61 and SE-63, have been issued for Southwest and Southeast Georgia, respectively. Comparable reports for the other two units will be issued as the statewide survey progresses. When completed, this survey will provide updated statistics on the forest resource for all of Georgia.

The Southeastern Station gratefully acknowledges the cooperation and assistance provided by the Georgia Forestry Commission in collecting field data. Appreciation is also expressed for the excellent cooperation of other public agencies, forest industry, and other private landowners in providing information and access to the sample locations.



JOE P. McCLURE
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November 1982
Southeastern Forest Experiment Station
Asheville, North Carolina

FOREST STATISTICS FOR CENTRAL GEORGIA, 1982

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Forest Inventory and Analysis
Asheville, North Carolina

Contents

Since 1972 in Central Georgia

• area of commercial forest land has declined by 301,000 acres, or by 4 percent. More than 439,000 acres of commercial forest land were diverted to other land uses, while only 138,000 acres of new commercial forest were added. Two-thirds of the diverted acreage went to agricultural uses, 21 percent to urban land uses, and most of the remaining 12 percent to water. Commercial forests now cover 7.0 million acres, or 67 percent of the land in this 49-county area.

• area of commercial forest land held by nonindustrial private forest (NIPF) landowners has declined by nearly 592,000 acres, or by 11 percent, and now totals 5.0 million acres. This net change masks contrasting changes in acreage among the three types of owners making up the NIPF group--farmers, miscellaneous private individual, and miscellaneous private corporate. Farmer-owned woodlands declined by 831,000 acres (35 percent), miscellaneous private individual holdings were stable, while miscellaneous private corporate acreage increased by 242,000 acres, or by nearly 79 percent. Forest industries have increased their fee-simple holdings from 1.3 to 1.6 million acres. They have an additional 313,000 acres of NIPF land under long-term lease. Public agencies control 388,000 acres of commercial forest land, about the same as in 1972.

• 2 out of every 5 acres currently classified as commercial forest land have experienced some form of timber cutting. Nearly 1.7 million acres, or 164,000 acres annually, were harvested and retained in commercial forest; more than one-third of the harvesting occurred on land owned or leased by forest industry. An additional 1.1 million acres experienced intermediate cutting. Insects, diseases, and other natural destructive agents damaged nearly 1.5 million acres of commercial forest.

• about 597,000 acres, or 59,000 acres annually, have been artificially regenerated and are adequately stocked with suitable species. The rate of artificial regeneration has nearly doubled since the period between 1961 and 1972; however, all the increase occurred on land owned or leased by forest industry and on public forests. The current survey also revealed that 36,000 acres annually were sufficiently restocked with natural regeneration. Stands originating wholly or in part from artificial regeneration still make up only 16 percent of the commercial forest land.

• the area of commercial forest land classified as pine or oak-pine forest type has declined by 488,000 acres. Area of pine type dropped by 274,000 acres, or by 8 percent. Shortleaf pine and slash pine forest types accounted for 86 percent of the pine-type loss, declining by 37 and 20 percent, respectively. The acreage classified as loblolly pine type, the major pine type in the region, declined by 1 percent. Acreage of oak-pine forest type has declined by 214,000 acres, or by 19 percent, since 1972. Acreage of commercial forest land classified as hardwood forest types has increased by 187,000 acres, or by 7 percent.

• average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 57 to 62 square feet per acre of commercial forest land. Stands classified as fully or better stocked have increased by 13 percent to 2.4 million acres, but stands classified as medium stocked dropped from 4.0 to 3.2 million acres. Acreage in poorly stocked stands increased from 1.3 to 1.5 million acres.

• volume of softwood growing stock has declined by almost 1 percent and now totals 4.4 billion cubic feet. The decline in softwood volume was caused by increased removals and mortality and a slowdown in softwood growth. The volume of loblolly pine, the predominant species in the region with 71 percent of the softwood inventory, increased by 3 percent. Shortleaf pine and longleaf

pine accounted for almost all the net decline in softwood inventory; the volume of shortleaf dropped by 173 million cubic feet, or by 22 percent, while the volume of longleaf dropped by 17 million cubic feet, or by 9 percent. Almost 98 percent of the decline in softwood growing stock occurred in the 6- and 8-inch diameter classes. Softwood volume fell by 33 percent in the 6-inch diameter class, by 10 percent in the 8-inch class, and by 1 percent in the 14-inch diameter class. Large increases in softwood growing-stock volume were recorded for the 16-inch and larger diameter classes. Accordingly, the volume of softwood sawtimber rose from 14.3 to 15.6 billion board feet, an increase of 9 percent.

• volume of hardwood growing stock has increased from 3.7 to 4.3 billion cubic feet, or by 15 percent. Oaks accounted for 43 percent of the hardwood-volume increase, sweetgum and yellow-poplar another 33 percent, and the tupelo and blackgum group about 12 percent. Sweetgum and the red oaks each comprise about 25 percent of the current hardwood inventory. The increase in hardwood volume occurred across the range of diameter classes. The current inventory of hardwood growing stock includes 11.2 billion board feet of sawtimber, 22 percent more than the 1972 inventory.

• number of pine trees in the four smallest diameter classes has declined. Pine numbers declined by 42 percent in the 2-inch class, 32 percent in the 4-inch class, 33 percent in the 6-inch class, and 11 percent in the 8-inch class. The decline in number of small pine trees was most severe on NIPF lands; over 91 percent of the loss was attributed to the NIPF ownership group. Acreage of NIPF land classified as pine poletimber stands has dropped by 445,000, or by 42 percent, and the acreage of pine sapling-seedling stands has dropped by 182,000 acres, or by 28 percent. The acreage classed as pine sawtimber on NIPF land has increased by 74,000 acres, or by 10 percent.

In 1981

• net annual growth of softwood growing stock totaled 315 million cubic feet, down from 352 million cubic feet in 1971. This softwood growth decline is attributed to: (1) a large increase in softwood mortality, and (2) fewer softwood trees in young stands feeding into the smaller diameter classes. In 1971, ingrowth--the volume of trees growing past the 5-inch threshold--accounted for 20 percent of the softwood growth. In the latest inventory, the ingrowth proportion dropped to 10 percent. For hardwood growing stock, net annual growth totaled 190 million cubic feet, up by 28 percent since 1971. For all growing stock, net annual growth averaged 72 cubic feet per acre of commercial forest land and included a total of 2.1 billion board feet of sawtimber.

• removals of softwood growing stock totaled more than 319 million cubic feet, 1 percent more than softwood net growth. Softwood removals have increased by 45 percent since 1971. About 69 percent of the increase in softwood removals occurred in the 14-inch and larger diameter classes. Softwood removals exceeded softwood net growth on all ownerships except the other public and miscellaneous private categories. Hardwood removals totaled 114 million cubic feet, or about 60 percent of hardwood net growth. Hardwood removals have increased by 66 percent since 1971 and accounted for 26 percent of total growing-stock removals. Removals of total growing stock included 1.7 billion board feet of sawtimber.

• mortality of growing stock totaled 111 million cubic feet and included 320 million board feet of sawtimber. Softwoods made up 67 percent of the mortality. Volume of softwood mortality has increased by 159 percent since 1971. Insect mortality--primarily pine bark beetles--increased more than tenfold and accounts for 56 percent of the current softwood mortality. Disease accounts for another 24 percent. Mortality of all species reduced gross growth by 18 percent.

How the Inventory is Made

The method of the inventory is a sampling procedure designed to provide reliable statistics primarily at the State and Survey Unit levels. Individual county statistics are presented so that any combination of counties may be added together until a total is large enough to meet the desired degree of reliability. Procedures were as follows:

1. Initial estimates of forest and nonforest areas were based on the classification of 34,140 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 2,870 of the 16-point clusters was ground checked, and a linear regression was fitted to the data to develop the relationship between the photo and ground classification of the subsample. This procedure provides a means for adjusting the initial estimates of area for change in land use since date of photography and for photo misclassifications.

2. Estimates of timber volume and forest classifications were based on measurements recorded at 1,917 ground sample locations systematically distributed within the commercial forest land. The plot design at each location was based on a cluster of 10 points. In most cases, variable plots, using a basal-area factor of 37.5 square feet per acre, were systematically spaced within a single forest condition at 5 of the 10 cluster points. Trees less than 5 inches d.b.h. were tallied on a fixed-radius plot around each point center.

3. Equations prepared from detailed measurements collected on standing trees in this Unit, and similar measurements taken throughout the Southeast, were used to compute the volume of individual tally trees. A mirror caliper and sectional aluminum poles were used to obtain the additional measurements on these standing trees required to construct volume equations.

4. Felled trees were measured at 31 active cutting operations. These data will be pooled with similar measurements taken in the State to supplement the standing-tree volume data and to generate utilization factors for product and species groups that will be analyzed at the State level.

5. Estimates of growth, removals, and mortality were determined from the remeasurement of 1,842 permanent sample plots established in the fourth survey.

6. Ownership information was collected from correspondence, public records, and local contacts. In those counties where the sample missed a particular ownership class, temporary sample plots were added on these lands.

7. All field data were sent to Asheville for editing and were punched into cards and stored for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

Reliability of the Data

Statistical analysis of these data indicates the following sampling errors in terms of one standard error (two times out of three):

	Percent
Per million acres of commercial forest land	1.01
Per billion cubic feet of growing stock	5.90
Per billion cubic feet of net annual growth	1.36
Per billion cubic feet of annual removals	2.77

Sampling errors for county and unit totals,[a] in terms of one standard error, Central Georgia

County	Commercial forest area	Cubic-foot volume of growing stock		
		Inventory	Growth	Removals
	Sampling error[b]			
Baldwin	2.17	12.65	13.04	31.34
Bibb	3.85	20.07	16.34	30.52
Bleckley	6.57	24.01	20.81	31.32
Burke	2.22	9.60	8.96	21.52
Butts	2.10	20.81	17.10	25.40
Calhoun	4.02	16.64	18.67	38.48
Chattahoochee	1.83	14.58	12.18	46.85
Clay	3.81	19.63	18.21	42.65
Columbia	2.16	11.85	10.76	29.71
Crawford	1.65	18.39	16.52	24.63
Dougherty	4.79	19.11	18.14	35.92
Glascock	2.68	20.77	19.49	35.67
Greene	1.42	10.43	9.70	24.23
Hancock	1.23	9.95	9.73	22.15
Harris	2.04	10.66	9.98	25.00
Houston	4.44	17.70	17.14	23.77
Jasper	1.35	11.13	10.11	23.79
Jefferson	2.37	10.30	11.60	22.88
Jones	1.12	7.48	7.67	29.75
Lamar	4.54	19.02	18.42	22.61
Lee	3.27	12.35	16.74	48.76
Lincoln	2.81	17.16	16.64	26.26
McDuffie	3.11	15.02	15.43	36.18
Macon	4.05	14.59	13.85	32.65
Marion	1.84	15.75	14.77	35.05
Monroe	1.32	10.30	9.47	23.74
Morgan	2.39	10.80	10.97	31.70
Muscogee	3.00	18.82	19.35	52.16
Peach	5.68	22.41	25.26	67.73
Pike	2.73	14.40	11.73	39.74
Pulaski	7.11	22.47	20.13	39.63
Putnam	1.71	17.10	15.49	21.97
Quitman	2.74	20.75	19.49	51.44
Randolph	2.74	10.99	12.37	20.81
Richmond	3.29	17.43	15.24	42.02
Schley	4.61	20.86	18.19	31.61
Stewart	1.98	13.53	12.64	15.45
Sumter	4.73	13.34	12.84	31.63
Talbot	1.01	11.76	11.39	21.78
Taliaferro	1.40	15.24	14.66	34.46
Taylor	1.50	16.31	18.68	34.19
Terrell	3.07	14.70	12.94	35.75
Twiggs	1.88	12.48	9.83	25.54
Upson	1.90	14.14	11.78	31.19
Warren	2.08	10.16	12.46	39.73
Washington	1.96	8.67	8.62	19.64
Webster	5.96	29.95	26.60	35.11
Wilkes	1.56	10.19	8.85	26.56
Wilkinson	2.31	9.83	9.02	23.94
Unit total	0.38	2.01	1.92	4.21

[a]Sampling error of breakdowns of county and unit totals may be computed with the following formula:

$$E = \frac{(SE)\ \sqrt{(\text{specified volume or area})}}{\sqrt{(\text{volume or area total in question})}}$$

Where: E = Sampling error of the volume or area total in question.

SE = Specified sampling error in table.

[b]By random-sampling formula (in percent).

Acceptable trees.—Growing-stock trees of commercial species that meet specified standards of size and quality, but not qualifying as desirable trees.

Basal area.—The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed as square feet of basal area per acre.

Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.

Commercial species.—Tree species presently or prospectively suitable for industrial wood products.

Cropland.—Land under cultivation within the past 24 months, including orchards and land in soil-improving crops, but excluding land cultivated in developing improved pasture. Also includes idle farmland.

Desirable trees.—Growing-stock trees of commercial species having no serious defects in quality limiting present or prospective use for timber products, of relatively high vigor, and containing no pathogens that may result in death or serious deterioration before rotation age.

Diameter class.—A classification of trees based on diameter outside bark, measured at breast height (4½ feet above the ground). D.b.h. is the common abbreviation for "diameter at breast height." Two-inch diameter classes are commonly used in Renewable Resources Evaluation, with the even inch the approximate midpoint for a class. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h., inclusive.

Farm.—Lands on which agriculture operations are being conducted and sale of agriculture products totaled $1,000 or more during the year.

Farm operator.—A person who operates a farm, either doing the work himself or directly supervising the work.

Farmer-owned lands.—Lands owned by farm operators.

Forest industry lands.—Lands owned by companies or individuals operating wood-using plants.

Forest land.—Land at least 16.7 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use.

Forest type.—A classification of forest land based upon the species forming a plurality of live-tree stocking.

Longleaf-slash pine.—Forests in which longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Loblolly-shortleaf pine.—Forests in which loblolly pine, shortleaf pine, or other southern yellow pines, except longleaf or slash pine, singly or in combination, comprise a plurality of the stocking. (Common associates include oak, hickory, and gum.)

Oak-pine.—Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking but in which pines comprise 25 to 50 percent of the stocking. (Common associates include gum, hickory, and yellow-poplar.)

Oak-hickory.—Forests in which upland oaks or hickory, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include yellow-poplar, elm, maple, and black walnut.)

Oak-gum-cypress.—Bottom land forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include cottonwood, willow, ash, elm, hackberry, and maple.)

Elm-ash-cottonwood.—Forests in which elm, ash, or cottonwood, singly or in combination, comprise a plurality of the stocking. (Common associates include willow, sycamore, beech, and maple.)

Gross growth.—Annual increase in net volume of trees in the absence of cutting and mortality.

Growing-stock trees.—Live trees of commercial species qualifying as desirable or acceptable trees.

Growing-stock volume.—Net volume in cubic feet of growing-stock trees 5.0 inches d.b.h. and over from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs. (Net volume in primary forks is included.)

Hardwoods.—Dicotyledonous trees, usually broad-leaved and deciduous.

Soft hardwoods.—Soft-textured hardwoods such as boxelder, red and silver maple, buckeye, hackberry, loblolly-bay, silverbell (in mountains), butternut, sweetgum, yellow-poplar, cucumbertree, magnolia, sweetbay, water tupelo, blackgum, sycamore, cottonwood, black cherry, willow, basswood, and elm.

Hard hardwoods.—Hard-textured hardwoods such as Florida and sugar maple, birch, hickory, dogwood, persimmon (forest grown), beech, ash, honeylocust, holly, black walnut, mulberry, all commercial oaks, and black locust.

Idle farmland.—Includes former croplands, orchards, improved pastures and farm sites not tended within the past 2 years, and presently less than 16.7 percent stocked with trees.

Improved pasture.—Land currently improved for grazing by cultivation, seeding, irrigation, or clearing of trees or brush.

Industrial wood.—All roundwood products except fuelwood.

Land area.—The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 1/8 of a statute mile in width; and lakes, reservoirs, and ponds less than 40 acres in area.

Logging residues.—The unused portions of trees cut or killed by logging.

Miscellaneous Federal lands.—Federal lands other than National Forests, lands administered by the Bureau of Land Management, and Indian lands.

Miscellaneous private lands - corporate.—Lands owned by private corporations other than forest industry.

Miscellaneous private lands - individual.—Privately owned lands other than forest-industry, farmer-owned, or corporate lands.

Mortality.—Number or sound-wood volume of live trees dying from natural causes during a specified period.

National Forest land.—Federal lands which have been legally designated as National Forests or purchase units, and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Net annual growth.—The increase in volume for a specific year.

Net volume.—Gross volume less deductions for rot, sweep, or other defect affecting use for timber products.

Noncommercial forest land.—(a) Unproductive forest land incapable of yielding crops of industrial wood because of adverse site conditions, and (b) productive-reserved forest land.

Noncommercial species.—Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Nonforest land.—Land that has never supported forests and lands formerly forested where timber management is precluded by development for other uses.

Nonstocked land.—Commercial forest land less than 16.7 percent stocked with growing-stock trees.

Other Federal lands.—Federal lands other than National Forests, including lands administered by the Bureau of Land Management, Bureau of Indian Affairs, and other Federal agencies.

Other public lands.—Publicly owned lands other than National Forests.

Overstocked areas.—Areas where growth of trees is significantly reduced by excessive numbers of trees.

Poletimber trees.—Growing-stock trees of commercial species at least 5.0 inches in d.b.h. but smaller than sawtimber size.

Productive-reserved forest land.—Forest land sufficiently productive to qualify as commercial forest land, but withdrawn from timber utilization through statute or administrative designation.

Rangeland.—Land on which the natural plant cover is composed principally of native grasses, forbs, or shrubs valuable for forage.

Rotten trees.—Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of rot or missing sections, and with less than one-third of the gross tree volume in sound material.

Rough trees.—(a) Live trees of commercial species that do not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of roughness, poor form, splits, and cracks, and with less than one-third of the gross tree volume in sound material; and (b) all live trees of noncommercial species.

Definitions of Terms

Salvable dead trees.—Standing or down dead trees that are considered merchantable by Renewable Resources Evaluation standards.

Saplings.—Live trees 1.0 to 5.0 inches in diameter at breast height.

Saw log.—A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, and with a minimum diameter inside bark for softwoods of 6 inches (8 inches for hardwoods).

Saw-log portion.—That part of the bole of sawtimber trees between the stump and the saw-log top.

Saw-log top.—The point on the bole of sawtimber trees above which a saw log cannot be produced. The minimum saw-log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Sawtimber trees.—Live trees of commercial species containing at least a 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, and with at least one-third of the gross board-foot volume between the 1-foot stump and minimum saw-log top being sound. Softwoods must be at least 9.0 inches and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume.—Net volume of the saw-log portion of live sawtimber in board-foot International ¼-inch rule.

Seedlings.—Live trees less than 1.0 inch in diameter at breast height that are expected to survive and develop.

Site class.—A classification of forest land in terms of inherent capacity to grow crops of industrial wood based on fully stocked natural stands.

Class 1.—Sites capable of producing 165 or more cubic feet per acre annually.

Class 2.—Sites capable of producing 120 to 165 cubic feet per acre annually.

Class 3.—Sites capable of producing 85 to 120 cubic feet per acre annually.

Class 4.—Sites capable of producing 50 to 85 cubic feet per acre annually.

Class 5.—Sites incapable of producing 50 cubic feet per acre annually, but excluding unproductive sites.

Softwoods.—Coniferous trees, usually evergreen, having needles or scalelike leaves.

Pines.—Yellow pine species which include loblolly, longleaf, slash, shortleaf, pitch, Virginia, Table Mountain, sand, and spruce pine.

Other softwoods.—White pine, hemlock, cypress, eastern redcedar, white-cedar, spruce, and fir.

Stand-size class.—A classification of forest land based on the size class of growing-stock trees on the area.

Sawtimber stands.—Stands at least 16.7 percent stocked with growing-stock trees, with half or more of total stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.—Stands at least 16.7 percent stocked with growing-stock trees of which half or more of this stocking is in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.—Stands at least 16.7 percent stocked with growing-stock trees of which more than half of the stocking is saplings and seedlings.

State, county, and municipal lands.—Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these governmental units for 50 years or more.

Stocking.—The degree of occupancy of land by trees, measured by basal area or the number of trees in a stand and spacing in the stand, compared to a minimum standard, depending on tree size, to fully utilize the growth potential of the land. (See page 9.)

Timber removals.—The net volume of growing-stock trees removed from the inventory by harvesting; cultural operations, such as stand improvement; land clearing, or changes in land use.

Unproductive forest land.—Forest land incapable of producing 20 cubic feet per acre of industrial wood under natural conditions, because of adverse site conditions.

Upper-stem portion.—That part of the main stem or fork of sawtimber trees above the saw-log top to a minimum top diameter of 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Urban and other areas.—Areas within the legal boundaries of cities and towns; suburban areas developed for residential, industrial, or recreational purposes; school yards; cemeteries; roads; railroads; airports; beaches; powerlines and other rights-of-way; or other nonforest land not included in any other specified land use class.

Stocking Standard

D.b.h. class	Minimum number of trees per acre for full stocking	Minimum basal area per acre for full stocking	Percent stocking assigned each tally tree[a]
Seedlings	600	--	5.0
2	560	--	5.4
4	460	--	6.5
6	340	67	5.8
8	240	84	4.8
10	155	85	4.3
12	115	90	4.0
14	90	96	3.8
16	72	101	3.7
18	60	106	3.5
20	51	111	3.5

[a]Stocking percentages based on tally at all 10 points of a 10-point cluster of plots. Trees less than 5 inches d.b.h. were tallied on circular, 1/300-acre plots at each point. Trees 5.0 inches d.b.h. and larger were tallied on variable plots using a basal area factor of 37.5 at each sample point.

Overstocked--More than 130 percent
Fully stocked--100-130 percent
Medium stocked--60-99 percent
Poorly stocked--16.7-59 percent
Nonstocked--Less than 16.7 percent

Cubic feet of wood per average cord
(excluding bark)

D.b.h. class	All species	Pine	Other softwood	Hardwood
6	60.5	61.0	68.2	60.0
8	68.3	68.1	76.0	68.4
10	73.2	73.1	81.4	73.4
12	76.6	76.7	85.2	76.4
14	79.0	79.4	88.2	78.4
16	80.8	81.6	90.4	79.8
18	82.1	83.3	92.3	80.8
20	83.2	84.8	93.8	81.5
22	83.5	86.0	95.1	82.1
24+	83.9	87.6	97.6	83.0
Average	74.2	74.3	86.9	73.8

County Tables

The county tables are intended for use in compiling forest resource estimates for groups of counties. Because the sampling procedure used by the forest survey was intended primarily to furnish inventory data for the survey unit as a whole, individual county estimates have limited and variable accuracy. As county totals are broken down by various subdivisions, the possibility of error increases and is greatest for the smallest items. The order of this increase can be computed with the formula on page 5.

Table 1.--Area, by county and land class, Central Georgia, 1982

County	All land[a]	Forest land				Nonforest land[b]
		Total	Commercial forest	Unproductive forest	Productive-reserved	
	Acres					
Baldwin	162,944	117,799	117,799	--	--	45,145
Bibb	160,813	86,891	86,441	--	450	73,922
Bleckley	140,160	61,067	61,067	--	--	79,093
Burke	531,648	281,701	281,701	--	--	249,947
Butts	118,528	82,016	81,625	--	391	36,512
Calhoun	184,832	91,519	91,519	--	--	93,313
Chattahoochee	161,222	134,768	134,768	--	--	26,454
Clay	130,304	78,361	78,016	--	345	51,943
Columbia	185,856	139,829	137,049	--	2,780	46,027
Crawford	201,600	160,022	160,022	--	--	41,578
Dougherty	207,616	88,018	87,878	--	140	119,598
Glascock	91,520	64,365	64,365	--	--	27,155
Greene	247,232	197,155	197,142	--	13	50,077
Hancock	304,576	269,657	269,657	--	--	34,919
Harris	297,382	247,564	242,627	--	4,937	49,818
Houston	242,816	120,568	119,871	--	697	122,248
Jasper	238,464	188,203	188,203	--	--	50,261
Jefferson	339,200	187,730	187,730	--	--	151,470
Jones	257,216	215,326	215,324	--	2	41,890
Lamar	115,584	78,634	78,634	--	--	36,950
Lee	226,880	89,347	89,022	--	325	137,533
Lincoln	123,200	103,690	103,263	--	427	19,510
McDuffie	161,792	113,615	113,555	--	60	48,177
Macon	257,632	115,706	115,487	--	219	141,926
Marion	233,600	186,332	186,332	--	--	47,268
Monroe	254,976	203,744	203,356	--	388	51,232
Morgan	224,922	135,286	129,917	--	5,369	89,636
Muscogee	140,109	96,286	96,228	--	58	43,823
Peach	96,640	39,376	39,376	--	--	57,264
Pike	147,200	82,514	82,514	--	--	64,686
Pulaski	162,112	72,030	71,990	--	40	90,082
Putnam	212,800	178,784	178,396	--	388	34,016
Quitman	99,776	84,886	84,886	--	--	14,890
Randolph	278,726	165,996	165,996	--	--	112,730
Richmond	206,912	117,350	117,350	--	--	89,562
Schley	103,680	70,320	70,320	--	--	33,360
Stewart	289,280	248,407	247,798	--	609	40,873
Sumter	312,576	117,675	117,675	--	--	194,901
Talbot	249,280	225,230	225,230	--	--	24,050
Taliaferro	124,800	108,098	106,959	--	1,139	16,702
Taylor	257,734	185,480	185,480	--	--	72,254
Terrell	210,240	91,348	91,348	--	--	118,892
Twiggs	233,088	188,194	188,194	--	--	44,894
Upson	213,632	158,030	158,030	--	--	55,602
Warren	181,427	125,299	125,299	--	--	56,128
Washington	430,822	292,886	292,360	--	526	137,936
Webster	124,717	78,727	78,727	--	--	45,990
Wilkes	299,712	232,534	232,534	--	--	67,178
Wilkinson	292,634	241,625	241,625	--	--	51,009
Total	10,470,412	7,039,988	7,020,685	--	19,303	3,430,424

[a]From U.S. Bureau of the Census, 1970 and 1980.

[b]Includes 132,855 acres of water according to survey standards of area classification, but defined by the Bureau of Census as land.

Table 2.--Area of commercial forest land, by county and ownership class, Central Georgia, 1982

County	All ownerships	Ownership class							
		National Forest	Miscellaneous Federal	State	County and municipal	Forest industry[a]	Farmer	Miscellaneous private	
								Corporate	Individual
	Acres								
Baldwin	117,799	--	--	5,093	185	16,286	--	--	96,235
Bibb	86,441	--	--	--	--	5,480	7,679	15,360	57,922
Bleckley	61,067	--	--	79	40	20,071	32,072	708	8,106
Burke	281,701	--	--	75	79	77,066	120,451	16,645	67,385
Butts	81,625	--	--	510	20	12,973	5,991	2,217	59,914
Calhoun	91,519	--	--	--	3	9,035	60,417	14,466	7,598
Chattahoochee	134,768	--	84,432	--	4	16,268	--	202	33,862
Clay	78,016	--	2,310	--	21	12,715	6,683	4,952	51,335
Columbia	137,049	--	10,933	78	286	24,697	30,580	8,737	61,738
Crawford	160,022	--	--	--	33	65,574	13,094	9,769	71,552
Dougherty	87,878	--	1,384	100	187	15,326	17,721	26,580	26,580
Glascock	64,365	--	--	--	--	14,688	29,972	3,746	15,959
Greene	197,142	20,110	--	617	153	51,727	29,901	3,597	91,037
Hancock	269,657	--	--	--	280	109,894	28,744	3,475	127,264
Harris	242,627	--	--	30	60	26,763	26,516	26,517	162,741
Houston	119,871	--	2,130	--	410	50,869	29,076	8,308	29,078
Jasper	188,203	23,769	6,092	--	30	34,276	38,259	13,509	72,268
Jefferson	187,730	--	4,198	--	113	36,608	89,403	3,588	53,820
Jones	215,324	20,947	26,517	--	420	51,312	35,771	7,228	73,129
Lamar	78,634	--	--	--	427	12,268	13,784	467	51,688
Lee	89,022	--	--	--	40	3,487	52,684	3,850	28,961
Lincoln	103,263	--	20,721	--	--	10,889	20,332	3,948	47,373
McDuffie	113,555	--	14,353	200	87	14,937	27,252	4,473	52,253
Macon	115,487	--	--	--	747	26,443	49,123	10,341	28,833
Marion	186,332	--	425	--	65	74,581	9,300	--	101,961
Monroe	203,356	--	--	--	180	57,012	24,676	13,575	107,913
Morgan	129,917	281	--	130	121	21,891	38,391	11,517	57,586
Muscogee	96,228	--	39,727	--	1,301	993	--	12,509	41,698
Peach	39,376	--	68	194	--	2,308	24,321	4,053	8,432
Pike	82,514	--	--	35	227	10,303	18,743	6,350	46,856
Pulaski	71,990	--	44	18	--	9,692	31,117	6,223	24,896
Putnam	178,396	31,201	--	12,000	238	48,206	35,276	6,117	45,358
Quitman	84,886	--	758	--	8	12,677	27,852	14,215	29,376
Randolph	165,996	--	--	--	--	31,686	55,874	10,921	67,515
Richmond	117,350	--	40,096	145	170	16,570	10,714	11,035	38,620
Schley	70,320	--	--	--	15	14,747	27,288	--	28,270
Stewart	247,798	--	383	--	97	74,671	41,875	80,862	9,910
Sumter	117,675	--	100	50	200	19,473	32,673	21,891	43,288
Talbot	225,230	--	--	3,599	21	52,673	30,078	14,091	124,768
Taliaferro	106,959	--	--	--	88	40,729	14,153	4,015	47,974
Taylor	185,480	--	60	--	120	43,123	36,099	36,099	69,979
Terrell	91,348	--	--	--	--	3,972	53,659	8,586	25,131
Twiggs	188,194	--	--	--	--	57,828	24,577	17,555	88,234
Upson	158,030	--	--	--	549	46,857	27,257	9,084	74,283
Warren	125,299	--	126	--	14	43,756	35,818	6,056	39,529
Washington	292,360	--	--	--	140	46,175	80,724	26,910	138,411
Webster	78,727	--	--	--	--	35,829	27,628	7,649	7,621
Wilkes	232,534	--	6,518	149	127	74,624	29,211	3,355	118,550
Wilkinson	241,625	--	--	130	240	54,809	28,257	24,979	133,210
Total	7,020,685	96,308	261,375	23,223	7,546	1,614,837	1,531,066	550,330	2,936,000

[a]Not including 313,083 acres of farmer-owned and miscellaneous private lands leased to forest industry.

Table 3.--Area of commercial forest land, by county and forest-type group, Central Georgia, 1982

County	All type groups	Forest-type group								
		White pine-hemlock	Spruce-fir	Longleaf-slash	Loblolly-shortleaf	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech birch
	Acres									
Baldwin	117,799	--	--	13,958	61,828	11,007	19,999	4,340	6,667	--
Bibb	86,441	--	--	3,840	34,883	11,519	21,939	11,520	2,740	--
Bleckley	61,067	--	--	8,216	15,864	3,563	15,156	18,268	--	--
Burke	281,701	--	--	65,538	39,592	32,934	84,776	45,899	12,962	--
Butts	81,625	--	--	--	41,674	15,475	23,966	510	--	--
Calhoun	91,519	--	--	10,662	8,561	--	46,451	22,291	3,554	--
Chattahoochee	134,768	--	--	8,169	45,906	16,340	53,458	8,171	2,724	--
Clay	78,016	--	--	12,846	23,084	7,839	24,221	10,026	--	--
Columbia	137,049	--	--	--	72,871	17,552	22,418	4,369	19,839	--
Crawford	160,022	--	--	3,934	86,245	33,239	31,070	5,534	--	--
Dougherty	87,878	--	--	21,294	17,669	4,430	15,666	8,810	20,009	--
Glascock	64,365	--	--	7,494	11,239	16,134	17,285	7,492	4,721	--
Greene	197,142	--	--	--	122,415	27,028	40,505	3,597	3,597	--
Hancock	269,657	--	--	10,566	153,857	28,150	66,658	10,426	--	--
Harris	242,627	--	--	11,399	116,741	61,347	41,739	3,788	7,613	--
Houston	119,871	--	--	--	27,384	7,333	53,280	27,720	4,154	--
Jasper	188,203	--	--	--	103,624	27,953	56,596	30	--	--
Jefferson	187,730	--	--	25,553	39,725	17,939	53,964	50,549	--	--
Jones	215,324	--	--	--	146,401	27,064	31,082	3,556	7,221	--
Lamar	78,634	--	--	--	40,729	--	20,675	10,338	6,892	--
Lee	89,022	--	--	22,858	5,255	7,024	39,836	10,537	3,512	--
Lincoln	103,263	--	--	--	57,503	22,073	23,687	--	--	--
McDuffie	113,555	--	--	4,473	66,956	8,947	13,420	19,759	--	--
Macon	115,487	--	--	--	15,629	15,630	49,514	32,128	2,586	--
Marion	186,332	--	--	11,612	56,599	8,379	83,852	16,758	9,132	--
Monroe	203,356	--	--	2,715	99,696	28,788	61,216	--	10,941	--
Morgan	129,917	--	--	--	57,614	30,523	37,820	3,839	121	--
Muscogee	96,228	--	--	3,612	48,798	16,211	16,772	7,223	3,612	--
Peach	39,376	--	--	4,054	12,422	--	18,846	4,054	--	--
Pike	82,514	--	--	--	30,244	6,248	33,847	5,927	6,248	--
Pulaski	71,990	--	--	14,181	7,958	12,448	15,602	21,801	--	--
Putnam	178,396	--	--	--	102,889	21,563	53,944	--	--	--
Quitman	84,886	--	--	--	48,830	14,049	10,071	11,936	--	--
Randolph	165,996	--	--	16,955	52,131	14,899	46,754	27,809	7,448	--
Richmond	117,350	--	--	15,476	29,950	9,441	33,230	22,625	6,628	--
Schley	70,320	--	--	--	18,037	13,644	27,854	10,785	--	--
Stewart	247,798	--	--	10,781	128,641	25,657	72,690	6,156	3,873	--
Sumter	117,675	--	--	27,489	27,757	10,760	18,996	26,732	5,941	--
Talbot	225,230	--	--	4,297	117,618	45,960	42,070	8,594	6,691	--
Taliaferro	106,959	--	--	--	61,688	31,117	14,154	--	--	--
Taylor	185,480	--	--	51,625	29,886	16,014	65,071	22,884	--	--
Terrell	91,348	--	--	7,155	15,829	3,578	14,309	46,900	3,577	--
Twiggs	188,194	--	--	3,511	73,665	17,555	68,197	10,877	14,389	--
Upson	158,030	--	--	5,207	61,923	11,688	64,921	14,291	--	--
Warren	125,299	--	--	5,470	60,438	14,553	41,797	3,041	--	--
Washington	292,360	--	--	29,678	113,701	41,660	81,178	22,299	3,844	--
Webster	78,727	--	--	19,377	14,342	3,981	32,138	5,436	3,453	--
Wilkes	232,534	--	--	3,354	141,924	46,965	25,252	11,684	3,355	--
Wilkinson	241,625	--	--	12,110	82,088	31,812	61,167	43,559	10,889	--
Total	7,020,685	--	--	479,459	2,850,303	898,013	1,909,109	674,868	208,933	--

Table 4.--Area of commercial forest land, by county and stand-size class, Central Georgia, 1982

County	All stands	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Acres				
Baldwin	117,799	50,565	49,561	17,673	--
Bibb	86,441	49,145	18,099	19,197	--
Bleckley	61,067	30,458	7,617	22,992	--
Burke	281,701	123,669	81,365	65,194	11,473
Butts	81,625	27,458	24,474	26,677	3,016
Calhoun	91,519	48,619	21,324	21,573	3
Chattahoochee	134,768	51,714	37,508	40,098	5,448
Clay	78,016	34,593	14,194	29,229	--
Columbia	137,049	64,692	42,404	25,584	4,369
Crawford	160,022	34,836	50,740	74,446	--
Dougherty	87,878	51,611	31,650	4,617	--
Glascock	64,365	33,244	18,733	12,388	--
Greene	197,142	61,290	68,194	67,658	--
Hancock	269,657	106,036	73,611	86,465	3,545
Harris	242,627	72,078	81,603	88,946	--
Houston	119,871	56,079	19,795	40,818	3,179
Jasper	188,203	84,093	56,596	44,398	3,116
Jefferson	187,730	101,217	54,076	28,849	3,588
Jones	215,324	124,164	51,974	32,203	6,983
Lamar	78,634	36,173	21,142	21,319	--
Lee	89,022	57,411	17,562	14,049	--
Lincoln	103,263	51,570	23,193	28,500	--
McDuffie	113,555	58,779	32,441	22,335	--
Macon	115,487	54,534	31,890	18,334	10,729
Marion	186,332	48,219	67,030	46,868	24,215
Monroe	203,356	58,403	93,208	51,745	--
Morgan	129,917	38,610	57,205	34,102	--
Muscogee	96,228	35,947	17,207	39,463	3,611
Peach	39,376	14,537	16,213	8,300	326
Pike	82,514	29,046	40,972	12,496	--
Pulaski	71,990	28,052	18,671	25,249	18
Putnam	178,396	45,256	57,137	76,003	--
Quitman	84,886	30,894	15,823	34,190	3,979
Randolph	165,996	74,006	45,877	46,113	--
Richmond	117,350	44,785	22,658	40,467	9,440
Schley	70,320	24,429	20,481	25,410	--
Stewart	247,798	60,264	73,988	100,413	13,133
Sumter	117,675	54,690	31,600	31,385	--
Talbot	225,230	50,993	101,307	72,930	--
Taliaferro	106,959	44,001	24,423	35,704	2,831
Taylor	185,480	41,904	44,060	73,551	25,965
Terrell	91,348	42,929	32,591	15,828	--
Twiggs	188,194	82,586	57,898	47,710	--
Upson	158,030	58,656	61,043	38,331	0
Warren	125,299	56,743	44,909	17,592	6,055
Washington	292,360	100,320	113,482	74,714	3,844
Webster	78,727	21,248	15,270	34,775	7,434
Wilkes	232,534	105,319	98,871	28,344	--
Wilkinson	241,625	95,792	90,646	51,151	4,036
Total	7,020,685	2,751,657	2,192,316	1,916,376	160,336

Table 5.--Area of commercial forest land, by county and site class, Central Georgia, 1982

County	All classes	Site class				
		1	2	3	4	5
	Acres					
Baldwin	117,799	--	--	50,059	67,740	--
Bibb	86,441	--	7,679	23,038	55,724	--
Bleckley	61,067	--	4,014	20,856	32,633	3,564
Burke	281,701	--	3,329	84,692	187,023	6,657
Butts	81,625	--	--	14,978	66,647	--
Calhoun	91,519	--	--	15,669	75,850	--
Chattahoochee	134,768	--	12,239	50,469	63,885	8,175
Clay	78,016	--	--	24,547	53,448	21
Columbia	137,049	--	24,206	57,253	51,221	4,369
Crawford	160,022	2,851	13,569	35,039	104,629	3,934
Dougherty	87,878	--	--	42,008	43,681	2,189
Glascock	64,365	--	--	28,524	35,841	--
Greene	197,142	--	7,619	57,868	128,058	3,597
Hancock	269,657	--	14,041	122,159	133,457	--
Harris	242,627	--	15,152	74,536	137,752	15,187
Houston	119,871	--	14,667	52,488	52,716	--
Jasper	188,203	4,251	9,258	95,968	71,359	7,367
Jefferson	187,730	--	3,587	87,157	89,810	7,176
Jones	215,324	--	16,189	139,582	59,553	--
Lamar	78,634	--	--	18,300	60,334	--
Lee	89,022	--	--	21,047	64,463	3,512
Lincoln	103,263	--	--	47,129	56,134	--
McDuffie	113,555	--	7,176	44,437	61,942	--
Macon	115,487	--	--	44,191	47,791	23,505
Marion	186,332	--	--	37,998	102,222	46,112
Monroe	203,356	--	4,113	83,016	112,115	4,112
Morgan	129,917	--	--	38,330	91,587	--
Muscogee	96,228	--	22,786	17,858	47,804	7,780
Peach	39,376	--	--	6,430	32,946	--
Pike	82,514	--	2,575	14,661	58,803	6,475
Pulaski	71,990	--	3,112	17,294	48,473	3,111
Putnam	178,396	--	6,466	96,178	70,713	5,039
Quitman	84,886	--	12,612	30,466	41,808	--
Randolph	165,996	--	--	54,121	108,150	3,725
Richmond	117,350	--	9,145	32,303	69,830	6,072
Schley	70,320	--	3,411	41,484	25,425	--
Stewart	247,798	--	24,741	117,648	99,252	6,157
Sumter	117,675	2,970	17,921	35,446	58,367	2,971
Talbot	225,230	--	--	55,289	154,656	15,285
Taliaferro	106,959	--	10,182	36,320	57,626	2,831
Taylor	185,480	--	--	47,800	72,565	65,115
Terrell	91,348	--	7,154	25,043	59,151	--
Twiggs	188,194	--	3,856	39,999	140,484	3,855
Upson	158,030	--	2,603	37,002	104,798	13,627
Warren	125,299	--	3,027	57,408	64,864	--
Washington	292,360	--	3,844	162,721	125,795	--
Webster	78,727	--	4,908	29,211	44,608	--
Wilkes	232,534	--	6,708	91,065	134,761	--
Wilkinson	241,625	--	4,037	65,332	172,256	--
Total	7,020,685	10,072	305,926	2,522,417	3,900,750	281,520

Table 6.--Area of commercial forest land, by county and stocking classes of growing-stock trees, Central Georgia, 1982

County	All classes	Stocking percentage[a]				
		>130	100-130	60-99	16.7-59	<16.7
	Acres					
Baldwin	117,799	755	39,558	64,153	13,333	--
Bibb	86,441	7,680	14,586	34,556	29,619	--
Bleckley	61,067	--	19,427	26,337	15,303	--
Burke	281,701	12,962	87,593	117,441	52,232	11,473
Butts	81,625	8,987	24,458	30,185	14,979	3,016
Calhoun	91,519	5,007	33,200	35,539	17,770	3
Chattahoochee	134,768	8,171	18,703	60,871	41,575	5,448
Clay	78,016	--	16,187	33,940	27,889	--
Columbia	137,049	4,368	49,660	57,230	21,422	4,369
Crawford	160,022	3,933	43,174	75,743	37,172	--
Dougherty	87,878	6,669	13,982	38,457	28,770	--
Glascock	64,365	--	14,514	11,239	38,612	--
Greene	197,142	12,214	77,102	89,459	18,367	--
Hancock	269,657	6,951	109,062	118,542	31,557	3,545
Harris	242,627	3,789	74,542	126,414	37,882	--
Houston	119,871	9,539	44,333	45,949	16,871	3,179
Jasper	188,203	14,445	45,338	105,154	20,150	3,116
Jefferson	187,730	7,175	40,044	104,631	32,292	3,588
Jones	215,324	6,317	52,260	124,890	24,874	6,983
Lamar	78,634	--	33,194	17,872	27,568	--
Lee	89,022	--	11,740	56,170	21,112	--
Lincoln	103,263	3,454	42,699	38,489	18,621	--
McDuffie	113,555	5,455	39,962	39,432	28,706	--
Macon	115,487	--	18,215	46,894	39,649	10,729
Marion	186,332	4,650	28,699	79,893	48,875	24,215
Monroe	203,356	--	72,466	103,320	27,570	--
Morgan	129,917	--	41,847	76,622	11,448	--
Muscogee	96,228	7,224	17,329	52,067	15,997	3,611
Peach	39,376	--	4,247	22,643	12,160	326
Pike	82,514	--	25,093	39,774	17,647	--
Pulaski	71,990	3,112	9,336	47,077	12,447	18
Putnam	178,396	3,443	64,729	94,854	15,370	--
Quitman	84,886	--	41,476	28,345	11,086	3,979
Randolph	165,996	3,725	46,753	80,495	35,023	--
Richmond	117,350	--	6,887	58,704	42,319	9,440
Schley	70,320	7,374	21,448	27,854	13,644	--
Stewart	247,798	--	111,109	76,761	46,795	13,133
Sumter	117,675	2,970	41,516	47,575	25,614	--
Talbot	225,230	6,691	107,456	84,319	26,764	--
Taliaferro	106,959	--	57,628	24,995	21,505	2,831
Taylor	185,480	6,928	43,742	68,828	40,017	25,965
Terrell	91,348	3,577	33,714	35,775	18,282	--
Twiggs	188,194	7,366	57,210	90,188	33,430	--
Upson	158,030	2,603	32,397	78,882	44,148	--
Warren	125,299	12,957	32,802	58,919	14,566	6,055
Washington	292,360	10,001	64,959	183,569	29,987	3,844
Webster	78,727	1,455	29,209	29,740	10,889	7,434
Wilkes	232,534	31,697	69,529	102,701	28,607	--
Wilkinson	241,625	7,462	89,321	99,327	41,479	4,036
Total	7,020,685	251,106	2,114,435	3,192,814	1,301,994	160,336

[a]See stocking standards on page 9.

Table 7.--Volume of sawtimber and growing stock on commercial forest land, by county and species group, Central Georgia, 1982

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet[a]				
Baldwin	406,125	279,417	--	79,283	47,425	138,651	88,867	303	33,034	16,447
Bibb	445,061	267,777	--	106,707	70,577	124,081	62,148	--	39,003	22,930
Bleckley	266,766	26,630	--	112,988	127,148	79,465	7,484	--	39,682	32,299
Burke	1,078,444	391,963	38,023	399,404	249,054	353,620	113,944	8,476	138,333	92,867
Butts	309,028	190,818	1,322	62,165	54,723	107,787	60,496	798	20,507	25,986
Calhoun	375,790	85,916	56,586	85,248	148,040	128,313	24,984	16,365	38,235	48,729
Chattahoochee	692,752	506,968	--	131,930	53,854	184,194	105,320	--	56,355	22,519
Clay	183,079	84,336	--	37,293	61,450	66,199	30,684	--	14,298	21,217
Columbia	881,803	645,386	--	136,550	99,867	238,108	153,253	200	47,970	36,685
Crawford	247,988	140,415	--	87,657	19,916	103,696	56,704	--	36,314	10,678
Dougherty	558,651	302,259	112,136	41,413	102,843	158,682	82,482	28,724	15,255	32,221
Glascock	181,096	96,635	--	25,927	58,534	61,650	29,789	--	12,908	18,953
Greene	635,535	501,533	--	80,109	53,893	236,502	162,150	341	42,965	31,046
Hancock	1,024,431	782,050	--	148,241	94,140	322,923	223,819	--	57,092	42,012
Harris	702,471	437,608	1,348	136,474	127,041	243,941	129,593	332	63,052	50,964
Houston	570,899	172,854	4,261	189,065	204,719	162,839	43,568	748	66,974	51,549
Jasper	907,978	644,242	3,125	128,958	131,653	270,194	157,848	1,415	54,492	56,439
Jefferson	776,699	281,642	47,503	288,348	159,206	252,390	76,501	12,896	102,707	60,286
Jones	1,163,828	935,566	--	133,934	94,328	340,536	243,053	--	58,722	38,761
Lamar	300,854	133,923	--	89,436	77,495	93,262	37,375	--	27,977	27,910
Lee	459,936	180,755	15,261	83,416	180,504	129,466	47,762	2,732	24,474	54,498
Lincoln	435,686	397,035	--	7,681	30,970	124,172	96,733	--	6,046	21,393
McDuffie	631,043	447,746	--	110,137	73,160	177,429	117,916	--	33,864	25,649
Macon	439,923	129,412	--	147,932	162,579	132,723	33,147	--	50,156	49,420
Marion	394,425	154,572	--	135,130	104,723	137,622	44,973	--	48,900	43,749
Monroe	663,034	333,147	--	113,815	216,072	241,025	106,588	--	61,043	73,394
Morgan	463,759	325,507	--	90,358	47,894	170,938	99,519	--	47,528	23,891
Muscogee	535,805	356,465	--	120,038	59,302	137,458	78,917	--	39,647	18,894
Peach	90,772	54,467	--	27,634	8,671	36,198	18,863	--	10,210	7,125
Pike	338,761	159,117	--	90,243	89,401	111,289	39,349	--	32,234	39,706
Pulaski	289,308	72,170	31,882	97,434	87,822	89,245	26,420	5,847	27,923	29,055
Putnam	670,524	553,246	1,997	32,987	82,294	206,180	132,704	873	31,674	40,929
Quitman	363,880	247,261	--	64,165	52,454	110,887	62,816	--	26,835	21,236
Randolph	747,886	302,403	--	214,298	231,185	228,634	79,380	--	81,185	68,069
Richmond	377,391	208,631	13,996	113,254	41,510	116,615	51,229	2,852	43,898	18,636
Schley	246,387	133,765	2,101	65,950	44,571	92,428	38,568	444	34,197	19,219
Stewart	539,745	318,434	--	74,410	146,901	195,670	104,969	--	34,546	56,155
Sumter	522,504	290,233	11,016	109,024	112,231	165,948	83,092	1,861	45,769	35,226
Talbot	546,657	292,888	7,056	137,454	109,259	211,598	104,233	1,275	54,989	51,101
Taliaferro	416,557	321,619	--	37,164	57,774	147,769	103,914	--	17,699	26,156
Taylor	402,032	188,830	--	107,384	105,818	149,430	69,940	982	40,785	37,723
Terrell	366,235	84,651	12,344	216,874	52,366	132,312	21,781	3,419	84,599	22,513
Twiggs	780,299	298,374	--	276,604	205,321	253,540	96,009	--	85,141	72,390
Upson	526,376	187,415	--	172,495	166,466	175,054	64,512	--	57,026	53,516
Warren	462,895	343,392	--	52,270	67,233	168,246	101,408	--	31,751	35,087
Washington	814,744	463,351	2,067	192,879	156,447	312,729	154,541	497	86,254	71,437
Webster	250,141	98,121	--	84,949	67,071	69,456	20,276	--	23,912	25,268
Wilkes	1,358,355	942,504	2,216	202,909	210,726	406,779	247,691	788	86,629	71,671
Wilkinson	972,072	365,119	96,556	298,300	212,097	322,263	114,011	19,130	116,843	72,279
Total	26,816,410	15,158,568	460,796	5,978,318	5,218,728	8,620,136	4,251,323	111,298	2,331,632	1,925,883

[a]Factors for converting to cords are shown on page 9.

Table 8.--Net annual growth of sawtimber and growing stock on commercial forest land, by county and species group, Central Georgia, 1981

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Baldwin	34,610	27,873	--	4,650	2,087	8,796	6,925	16	1,192	663
Bibb	27,434	16,363	--	8,353	2,718	6,585	4,255	--	1,336	994
Bleckley	16,132	3,199	--	7,790	5,143	3,235	523	--	1,363	1,349
Burke	84,397	45,139	2,701	21,244	15,313	19,082	8,397	366	5,501	4,818
Butts	29,589	23,216	58	2,939	3,376	7,775	4,972	57	878	1,868
Calhoun	24,962	7,211	2,500	4,245	11,006	5,968	1,782	803	1,361	2,022
Chattahoochee	36,016	26,006	--	6,740	3,270	7,983	4,968	--	1,895	1,120
Clay	20,283	13,370	--	2,337	4,576	4,051	2,361	--	459	1,231
Columbia	62,372	48,505	52	7,489	6,326	13,412	9,584	6	2,070	1,752
Crawford	24,402	15,238	--	5,900	3,264	8,703	6,521	--	1,679	503
Dougherty	47,544	32,494	4,815	1,809	8,426	8,396	5,457	836	525	1,578
Glascock	17,365	12,373	--	2,618	2,374	3,735	2,448	--	454	833
Greene	77,137	62,422	108	8,742	5,865	16,002	11,788	11	2,464	1,739
Hancock	91,161	75,317	--	8,889	6,955	20,445	15,490	--	2,694	2,261
Harris	60,952	45,109	64	9,267	6,512	16,211	9,866	11	3,559	2,775
Houston	29,446	11,992	199	9,124	8,131	7,526	2,438	30	2,303	2,755
Jasper	68,456	50,217	139	10,002	8,098	16,730	10,452	76	3,106	3,096
Jefferson	55,251	31,451	2,433	13,471	7,896	12,877	5,574	738	3,672	2,893
Jones	99,317	78,971	--	13,622	6,724	19,840	15,554	--	2,578	1,708
Lamar	20,281	13,223	--	3,986	3,072	4,672	2,552	--	1,029	1,091
Lee	33,065	18,428	675	3,554	10,408	6,794	3,478	101	890	2,325
Lincoln	36,161	31,877	--	638	3,646	7,122	5,623	--	340	1,159
McDuffie	46,697	36,629	--	7,087	2,981	11,277	8,606	--	1,483	1,188
Macon	24,305	8,988	--	5,949	9,368	5,893	2,179	--	1,483	2,231
Marion	28,811	15,675	--	7,273	5,863	7,552	3,541	--	2,093	1,918
Monroe	61,408	39,502	--	8,332	13,574	15,573	9,085	--	3,167	3,321
Morgan	45,006	33,409	--	6,296	5,301	10,400	7,071	--	2,111	1,218
Muscogee	32,784	24,613	--	6,389	1,782	7,020	4,541	--	1,787	692
Peach	8,113	6,172	--	1,575	366	2,811	1,714	--	445	652
Pike	23,747	13,653	--	3,755	6,339	6,090	2,924	--	1,258	1,908
Pulaski	17,885	6,647	1,584	3,971	5,683	5,150	2,475	243	1,158	1,274
Putnam	51,725	41,034	89	4,562	6,040	12,318	8,117	49	1,625	2,527
Quitman	32,244	23,177	--	4,612	4,455	5,747	3,454	--	1,163	1,130
Randolph	46,890	24,100	--	9,539	13,251	10,544	5,523	--	2,208	2,813
Richmond	26,983	16,002	667	4,671	5,643	5,834	3,278	107	1,548	901
Schley	18,164	11,662	82	3,757	2,663	4,588	2,770	13	922	883
Stewart	42,385	26,686	--	6,724	8,975	13,156	8,286	--	1,906	2,964
Sumter	49,237	37,638	409	5,315	5,875	10,079	6,580	63	1,615	1,821
Talbot	42,966	30,439	233	7,214	5,080	15,573	9,689	138	2,617	3,129
Taliaferro	36,423	30,455	--	1,943	4,025	9,964	7,356	--	1,145	1,463
Taylor	40,790	30,019	201	5,899	4,671	10,439	6,964	58	1,441	1,976
Terrell	25,616	7,994	677	14,131	2,814	6,071	1,595	140	3,038	1,298
Twiggs	50,142	27,729	--	10,270	12,143	14,046	8,141	--	2,703	3,202
Upson	39,891	22,688	--	9,381	7,822	11,724	6,281	--	2,731	2,712
Warren	51,338	37,739	--	3,638	9,961	11,142	7,445	--	1,604	2,093
Washington	76,494	51,672	108	12,875	11,839	21,107	14,086	18	3,276	3,727
Webster	13,519	4,941	--	5,085	3,493	3,363	1,107	--	896	1,360
Wilkes	107,480	81,737	72	14,268	11,403	23,712	16,998	64	3,604	3,046
Wilkinson	77,124	39,734	3,766	19,865	13,759	18,105	9,812	604	4,184	3,505
Total	2,114,500	1,420,728	21,632	351,785	320,355	505,218	310,626	4,548	94,559	95,485

Table 9.--Annual removals of sawtimber and growing stock on commercial forest land, by county and species group, Central Georgia, 1981

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Baldwin	43,142	41,578	--	--	1,564	9,291	8,774	--	--	517
Bibb	16,840	12,478	--	2,777	1,585	3,915	2,731	--	660	524
Bleckley	19,283	9,900	--	2,337	7,046	7,198	4,013	--	779	2,406
Burke	42,370	32,569	--	5,691	4,110	14,328	10,458	--	1,811	2,059
Butts	27,005	17,040	--	7,381	2,584	7,190	5,114	--	1,567	509
Calhoun	20,097	8,815	--	1,341	9,941	4,947	1,871	--	392	2,684
Chattahoochee	19,869	19,869	--	--	--	3,544	3,229	--	--	315
Clay	8,740	7,597	--	--	1,143	2,414	1,767	--	--	647
Columbia	35,722	17,844	--	7,370	10,508	7,881	3,633	--	1,851	2,397
Crawford	61,697	51,806	--	7,191	2,700	14,895	12,322	--	2,041	532
Dougherty	9,799	9,017	--	--	782	2,942	2,260	--	100	582
Glascock	7,912	2,610	--	4,122	1,180	2,996	1,762	--	716	518
Greene	78,878	63,917	--	12,884	2,077	18,054	13,654	--	3,173	1,227
Hancock	71,673	62,148	--	7,415	2,110	17,321	14,014	--	2,091	1,216
Harris	55,224	44,548	--	9,292	1,384	13,608	10,438	--	2,612	558
Houston	55,319	31,902	--	4,640	18,777	15,652	8,484	--	1,392	5,776
Jasper	46,532	36,444	--	5,469	4,619	10,241	6,673	81	1,243	2,244
Jefferson	39,036	25,948	--	9,197	3,891	10,855	7,285	--	2,131	1,439
Jones	50,612	50,612	--	--	--	10,822	10,720	--	102	--
Lamar	22,103	17,525	--	3,152	1,426	6,463	5,183	--	748	532
Lee	6,375	1,349	--	710	4,316	3,075	,670	--	577	1,828
Lincoln	24,882	22,632	--	777	1,473	8,932	7,694	--	437	801
McDuffie	18,461	14,524	--	3,437	500	7,756	5,042	--	2,060	654
Macon	34,785	24,280	--	3,555	6,950	7,560	5,407	--	942	1,211
Marion	16,715	14,370	--	2,345	--	5,098	4,164	--	827	107
Monroe	70,028	64,204	--	993	4,831	18,337	15,922	--	1,050	1,365
Morgan	35,390	27,061	--	6,895	1,434	8,413	5,345	--	2,355	713
Muscogee	14,231	11,649	--	2,115	467	3,394	2,721	--	563	110
Peach	6,990	6,990	--	--	--	1,150	1,150	--	--	--
Pike	22,098	17,649	--	4,449	--	5,671	4,125	--	1,435	111
Pulaski	16,438	8,436	--	4,270	3,732	4,111	2,105	--	1,017	989
Putnam	61,370	52,228	--	7,083	2,059	15,669	12,853	--	1,985	831
Quitman	11,032	7,069	--	3,963	--	3,310	2,337	--	839	134
Randolph	46,583	36,949	--	9,196	438	10,403	8,201	--	1,848	354
Richmond	22,889	7,884	974	14,031	--	6,270	2,670	186	3,272	142
Schley	16,621	16,049	--	--	572	4,110	3,974	--	--	136
Stewart	79,326	66,825	491	4,514	7,496	21,074	16,370	120	2,233	2,351
Sumter	17,942	13,724	--	3,605	613	4,813	3,751	--	731	331
Talbot	54,102	45,622	--	4,261	4,219	12,757	10,545	--	1,055	1,157
Taliaferro	39,543	32,278	--	7,265	--	9,683	6,895	--	2,285	503
Taylor	29,688	21,958	--	6,383	1,347	6,962	4,500	--	1,788	674
Terrell	10,219	4,547	--	5,113	559	5,086	3,088	--	1,717	281
Twiggs	48,248	30,925	--	6,945	10,378	9,764	6,222	--	1,415	2,127
Upson	34,426	31,005	--	3,421	--	9,147	8,304	--	558	285
Warren	22,561	19,043	--	697	2,821	5,104	4,027	--	335	742
Washington	57,889	44,175	--	4,659	9,055	16,835	13,368	--	963	2,504
Webster	31,332	24,058	--	1,886	5,388	8,102	6,177	--	707	1,218
Wilkes	54,084	45,001	--	5,699	3,384	12,320	9,417	204	1,512	1,187
Wilkinson	61,315	32,074	--	12,831	16,410	14,194	7,413	--	3,306	3,475
Total	1,697,416	1,308,725	1,465	221,357	165,869	433,657	318,842	591	61,221	53,003

Unit Tables

Table 10.--Area of commercial forest land, by forest type and ownership class, Central Georgia, 1982

Forest type	All ownerships	Ownership class				
		National Forest	Other public	Forest industry	Farmer	Misc. private
	Acres					
Softwood types:						
White pine-hemlock	--	--	--	--	--	--
Spruce-fir	--	--	--	--	--	--
Longleaf pine	98,628	--	13,008	20,972	14,822	49,826
Slash pine	380,831	--	6,524	150,149	66,381	157,777
Loblolly pine	2,519,665	62,463	125,292	678,665	381,050	1,272,195
Shortleaf pine	299,521	--	16,623	63,945	59,843	159,110
Virginia pine	--	--	--	--	--	--
Sand pine	18,866	--	--	8,553	--	10,313
Eastern redcedar	3,329	--	--	--	3,329	--
Pond pine	8,922	--	--	--	3,329	5,593
Spruce pine	--	--	--	--	--	--
Pitch pine	--	--	--	--	--	--
Table Mountain pine	--	--	--	--	--	--
Total	3,329,762	62,463	161,447	922,284	528,754	1,654,814
Hardwood types:						
Oak-pine	898,013	13,986	48,588	162,274	217,977	455,188
Oak-hickory	1,773,787	19,859	31,615	322,672	531,791	867,850
Chestnut oak	--	--	--	--	--	--
Southern scrub oak	135,322	--	16,196	22,211	5,343	91,572
Oak-gum-cypress	674,868	--	23,714	135,484	205,784	309,886
Elm-ash-cottonwood	208,933	--	10,584	49,912	41,417	107,020
Maple-beech-birch	--	--	--	--	--	--
Total	3,690,923	33,845	130,697	692,553	1,002,312	1,831,516
All types	7,020,685	96,308	292,144	1,614,837	1,531,066	3,486,330

Table 11.--Area of commercial forest land, by ownership and stocking classes of growing-stock trees, Central Georgia, 1982

Ownership classes	All classes	Stocking percentage[a]				
		>130	100-130	60-99	16.7-59	<16.7
	Acres					
National Forest	96,308	9,965	21,404	50,974	6,982	6,983
Other public	292,144	25,806	57,759	146,024	46,773	15,782
Forest industry	1,614,837	98,806	587,905	658,294	233,613	36,219
Farmer	1,531,066	27,868	396,212	761,285	317,180	28,521
Miscellaneous private	3,486,330	88,661	1,051,155	1,576,237	697,446	72,831
All ownerships	7,020,685	251,106	2,114,435	3,192,814	1,301,994	160,336

[a]See stocking standards on page 9.

Table 12.--Volume of timber on commercial forest land, by class and species group, Central Georgia, 1982

Class of timber	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand cubic feet				
Sawtimber trees:					
Saw-log portion	5,224,782	2,941,191	89,386	1,181,918	1,012,287
Upper-stem portion	597,000	238,475	7,248	189,217	162,060
Total	5,821,782	3,179,666	96,634	1,371,135	1,174,347
Poletimber trees	2,798,354	1,071,657	14,664	960,497	751,536
All growing-stock trees	8,620,136	4,251,323	111,298	2,331,632	1,925,883
Rough trees:					
Sawtimber size	110,603	4,913	1,158	46,848	57,684
Poletimber size	205,249	9,091	552	66,006	129,600
Total	315,852	14,004	1,710	112,854	187,284
Rotten trees:					
Sawtimber size	66,190	--	--	31,397	34,793
Poletimber size	10,397	--	--	6,154	4,243
Total	76,587	--	--	37,551	39,036
Salvable dead trees:					
Sawtimber size	30,044	20,979	256	3,375	5,434
Poletimber size	22,263	16,959	--	2,478	2,826
Total	52,307	37,938	256	5,853	8,260
Total, all timber	9,064,882	4,303,265	113,264	2,487,890	2,160,463

Table 13.--Number of growing-stock trees on commercial forest land, by species and diameter class, Central Georgia, 1982

Species	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Thousand trees										
Softwood:											
Longleaf pine	12,417	3,448	2,548	2,394	1,516	1,275	769	333	108	26	--
Slash pine	43,861	16,044	14,634	8,990	3,207	761	131	81	13	--	--
Shortleaf pine	74,438	31,210	20,558	10,962	7,126	3,176	1,025	266	115	--	--
Loblolly pine	310,898	121,326	78,974	48,492	28,979	16,894	8,866	4,853	1,526	967	21
Pond pine	2,615	887	685	587	172	120	101	--	45	18	--
Virginia pine	--	--	--	--	--	--	--	--	--	--	--
Pitch pine	--	--	--	--	--	--	--	--	--	--	--
Table Mountain pine	--	--	--	--	--	--	--	--	--	--	--
Spruce pine	388	--	174	38	76	49	22	--	14	15	--
Sand pine	468	468	--	--	--	--	--	--	--	--	--
Eastern white pine	--	--	--	--	--	--	--	--	--	--	--
Eastern hemlock	--	--	--	--	--	--	--	--	--	--	--
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	2,194	895	144	216	67	223	214	107	216	111	1
Pondcypress	3,426	420	759	659	551	445	312	178	54	43	5
Cedars	1,666	944	421	146	86	25	44	--	--	--	--
Total softwoods	452,371	175,642	118,897	72,484	41,780	22,968	11,484	5,818	2,091	1,180	27
Hardwood:											
Select white oaks	32,284	13,144	8,023	5,246	2,861	1,320	953	345	206	174	12
Select red oaks	5,568	1,610	1,391	676	656	597	284	104	111	133	6
Chestnut oak	1,798	1,022	307	53	77	232	79	28	--	--	--
Other white oaks	11,947	4,628	3,341	1,957	886	478	293	146	102	94	22
Other red oaks	96,579	39,800	24,608	12,337	8,992	4,840	2,459	1,464	709	1,223	147
Hickory	27,510	13,375	6,493	2,881	1,879	1,510	701	298	153	214	6
Yellow birch	--	--	--	--	--	--	--	--	--	--	--
Hard maple	1,439	957	208	92	65	101	--	16	--	--	--
Soft maple	17,372	7,884	4,006	2,549	1,286	864	453	135	81	110	4
Beech	974	278	--	124	175	31	113	98	61	94	--
Sweetgum	126,781	59,407	30,933	18,055	8,599	5,021	2,485	1235	583	435	28
Tupelo and blackgum	47,260	17,717	10,481	7,770	5,908	2,696	1,421	838	189	224	16
Ash	8,180	1,938	2,309	1,606	1,303	534	224	136	56	69	5
Cottonwood	296	267	--	--	29	--	--	--	--	--	--
Basswood	186	--	66	--	68	30	22	--	--	--	--
Yellow-poplar	23,259	6,569	4,781	3,308	3,385	1,961	1,548	798	479	416	14
Bay and magnolia	9,030	4,137	2,230	1,292	573	382	222	189	--	--	5
Black cherry	3,460	2,437	785	93	105	23	--	17	--	--	--
Black walnut	649	508	69	57	--	--	--	15	--	--	--
Sycamore	1,214	203	420	110	158	113	49	79	55	27	--
Black locust	110	110	--	--	--	--	--	--	--	--	--
Elm	14,197	6,431	4,066	1,683	775	615	231	223	67	106	--
Other eastern hardwood	16,231	10,853	2,383	1,218	722	457	180	222	89	107	--
Total hardwoods	446,324	193,275	106,900	61,107	38,502	21,805	11,717	6,386	2,941	3,426	265
All species	898,695	368,917	225,797	133,591	80,282	44,773	23,201	12,204	5,032	4,606	292

Table 14.--Volume of all live trees on commercial forest land, by species and diameter class, Central Georgia, 1982

Species	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Thousand cubic feet										
Softwood:											
Longleaf pine	174,997	9,127	15,981	32,042	29,400	33,889	28,799	16,639	7,103	2,017	--
Slash pine	311,356	42,721	84,208	100,091	57,473	17,992	4,675	3,549	647	--	--
Shortleaf pine	621,192	71,710	120,339	126,760	144,667	94,554	42,334	12,721	8,107	--	--
Loblolly pine	3,122,183	286,172	442,143	552,779	560,448	483,597	354,441	252,840	97,865	88,236	3,662
Pond pine	26,187	1,902	3,856	6,603	3,067	2,917	3,765	--	2,561	1,516	--
Virginia pine	--	--	--	--	--	--	--	--	--	--	--
Pitch pine	--	--	--	--	--	--	--	--	--	--	--
Table Mountain pine	--	--	--	--	--	--	--	--	--	--	--
Spruce pine	8,581	--	1,758	556	1,479	1,732	881	--	655	1,520	--
Sand pine	831	831	--	--	--	--	--	--	--	--	--
Eastern white pine	--	--	--	--	--	--	--	--	--	--	--
Eastern hemlock	--	--	--	--	--	--	--	--	--	--	--
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	49,289	3,732	1,127	2,732	1,357	5,841	7,695	4,895	12,497	8,795	618
Pondcypress	54,258	1,163	4,807	6,986	8,317	9,531	9,740	7,157	2,209	3,454	894
Cedars	9,461	2,526	1,861	1,399	1,606	527	1,542	--	--	--	--
Total softwoods	4,378,335	419,884	676,080	829,948	807,814	650,580	453,872	297,801	131,644	105,538	5,174
Hardwood:											
Select white oaks	313,782	37,859	44,814	57,241	51,581	35,657	36,498	16,831	13,326	16,141	3,834
Select red oaks	88,965	5,571	8,305	7,124	11,946	16,769	12,017	5,954	7,180	13,110	989
Chestnut oak	15,633	2,725	2,156	821	913	5,489	2,640	889	--	--	--
Other white oaks	116,289	11,312	18,225	19,104	14,914	13,562	12,380	7,372	6,222	9,497	3,701
Other red oaks	1,024,761	110,430	145,227	130,863	157,434	126,120	89,456	71,215	45,276	115,917	32,823
Hickory	248,988	28,967	35,905	30,487	32,989	40,276	28,232	16,522	11,091	22,954	1,565
Yellow birch	--	--	--	--	--	--	--	--	--	--	--
Hard maple	13,608	2,960	2,984	1,789	976	2,877	300	1,452	--	270	--
Soft maple	193,022	28,548	30,494	34,175	25,437	28,316	20,400	7,166	5,831	11,927	728
Beech	33,832	1,374	--	1,420	3,530	822	4,281	6,416	4,188	10,071	1,730
Sweetgum	1,086,203	124,713	176,501	210,152	165,748	151,871	101,113	66,879	39,626	41,271	8,329
Tupelo and blackgum	512,303	50,817	62,221	88,534	109,539	73,026	53,460	39,993	13,073	16,937	4,703
Ash	113,480	7,788	15,228	18,887	26,021	15,692	10,511	7,538	3,575	7,217	1,023
Cottonwood	1,631	882	--	--	749	--	--	--	--	--	--
Basswood	3,718	--	514	--	1,665	958	581	--	--	--	--
Yellow-poplar	376,872	17,129	28,774	39,192	64,615	54,956	59,542	41,916	30,104	37,217	3,427
Bay and magnolia	84,018	13,305	15,447	13,775	10,282	11,773	8,837	7,697	820	--	2,082
Black cherry	17,463	7,106	5,697	1,242	1,935	659	--	824	--	--	--
Black walnut	3,057	1,052	515	639	--	--	--	851	--	--	--
Sycamore	21,832	446	2,677	1,393	2,833	3,483	1,592	3,616	3,143	2,649	--
Black locust	339	339	--	--	--	--	--	--	--	--	--
Elm	133,343	16,276	22,286	19,792	16,590	18,515	9,800	11,787	6,573	10,681	1,043
Other eastern hardwood	231,101	77,064	39,682	37,091	23,543	16,294	9,179	11,976	6,814	9,252	206
Total hardwoods	4,634,240	546,663	657,652	713,721	723,240	617,115	460,819	326,894	196,842	325,111	66,183
All species	9,012,575	966,547	1,333,732	1,543,669	1,531,054	1,267,695	914,691	624,695	328,486	430,649	71,357

Table 15.--Volume of growing stock on commercial forest land, by species and diameter class, Central Georgia, 1982

Species	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Thousand cubic feet										
Softwood:											
Longleaf pine	174,211	9,127	15,981	31,256	29,400	33,889	28,799	16,639	7,103	2,017	--
Slash pine	309,595	42,437	83,913	99,645	56,737	17,992	4,675	3,549	647	--	--
Shortleaf pine	619,772	71,019	119,610	126,760	144,667	94,554	42,334	12,721	8,107	--	--
Loblolly pine	3,112,146	283,188	438,035	552,074	559,372	482,433	354,441	252,840	97,865	88,236	3,662
Pond pine	26,187	1,902	3,856	6,603	3,067	2,917	3,765	--	2,561	1,516	--
Virginia pine	--	--	--	--	--	--	--	--	--	--	--
Pitch pine	--	--	--	--	--	--	--	--	--	--	--
Table Mountain pine	--	--	--	--	--	--	--	--	--	--	--
Spruce pine	8,581	--	1,758	556	1,479	1,732	881	--	655	1,520	--
Sand pine	831	831	--	--	--	--	--	--	--	--	--
Eastern white pine	--	--	--	--	--	--	--	--	--	--	--
Eastern hemlock	--	--	--	--	--	--	--	--	--	--	--
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	49,289	3,732	1,127	2,732	1,357	5,841	7,695	4,895	12,497	8,795	618
Pondcypress	54,258	1,163	4,807	6,986	8,317	9,531	9,740	7,157	2,209	3,454	894
Cedars	7,751	2,174	1,661	1,108	1,137	527	1,144	--	--	--	--
Total softwoods	4,362,621	415,573	670,748	827,720	805,533	649,416	453,474	297,801	131,644	105,538	5,174
Hardwood:											
Select white oaks	304,813	36,222	43,947	55,758	50,784	35,657	35,658	16,831	12,569	15,551	1,836
Select red oaks	87,383	5,571	8,305	7,124	11,946	16,769	11,026	5,363	7,180	13,110	989
Chestnut oak	14,646	2,725	1,490	500	913	5,489	2,640	889	--	--	--
Other white oaks	105,074	10,607	17,096	18,847	13,577	11,479	9,968	5,946	5,711	8,196	3,647
Other red oaks	973,139	103,227	138,798	128,263	154,636	122,778	85,180	66,377	40,996	107,709	25,175
Hickory	240,319	28,760	34,988	30,042	32,761	39,458	27,412	15,990	9,640	20,516	752
Yellow birch	--	--	--	--	--	--	--	--	--	--	--
Hard maple	9,918	2,960	929	1,300	976	2,877	--	876	--	--	--
Soft maple	147,851	21,283	22,716	25,004	21,012	22,828	15,708	5,931	4,248	8,393	728
Beech	26,971	886	--	1,420	3,009	822	4,281	4,601	3,447	8,505	
Sweetgum	1,051,521	117,486	170,615	205,695	162,619	148,341	99,267	64,552	38,081	39,841	5,024
Tupelo and blackgum	479,247	46,903	58,504	82,590	105,478	71,525	48,318	37,240	10,714	15,211	2,764
Ash	102,870	5,565	13,256	17,650	24,751	15,692	8,923	7,111	3,058	5,841	1,023
Cottonwood	1,631	882	--	--	749	--	--	--	--	--	--
Basswood	3,613	--	514	--	1,665	853	581	--	--	--	--
Yellow-poplar	371,412	16,882	28,005	38,695	64,150	54,956	59,160	41,336	30,104	35,681	2,443
Bay and magnolia	73,484	11,827	13,188	13,255	9,683	10,044	7,385	7,697	--	--	405
Black cherry	14,155	5,629	4,480	823	1,740	659	--	824	--	--	--
Black walnut	3,057	1,052	515	639	--	--	--	851	--	--	--
Sycamore	21,251	446	2,677	1,393	2,833	3,483	1,592	3,616	3,143	2,068	--
Black locust	339	339	--	--	--	--	--	--	--	--	--
Elm	120,783	14,243	21,412	17,732	14,670	17,382	7,961	11,787	5,270	10,326	--
Other eastern hardwood	104,038	24,467	12,751	13,155	12,469	11,004	6,021	9,869	5,498	8,804	--
Total hardwoods	4,257,515	457,962	594,186	659,885	690,421	592,096	431,081	307,687	179,659	299,752	44,786
All species	8,620,136	873,535	1,264,934	1,487,605	1,495,954	1,241,512	884,555	605,488	311,303	405,290	49,960

Table 16.--Volume of sawtimber on commercial forest land, by species and diameter class, Central Georgia, 1982

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Thousand board feet								
Softwood:									
Longleaf pine	779,270	129,636	142,114	181,777	165,224	101,436	45,446	13,637	--
Slash pine	772,389	369,347	257,720	93,408	26,440	21,316	4,158	--	--
Shortleaf pine	1,950,942	463,072	649,214	480,795	233,122	74,789	49,950	--	--
Loblolly pine	11,522,458	1,956,234	2,466,557	2,434,341	1,962,647	1,491,381	605,856	579,192	26,250
Pond pine	99,797	25,476	13,822	14,830	20,660	--	15,399	9,610	--
Virginia pine	--	--	--	--	--	--	--	--	--
Pitch pine	--	--	--	--	--	--	--	--	--
Table Mountain pine	--	--	--	--	--	--	--	--	--
Spruce pine	33,712	2,513	6,801	8,505	4,376	--	3,378	8,139	--
Sand pine	--	--	--	--	--	--	--	--	--
Eastern white pine	--	--	--	--	--	--	--	--	--
Eastern hemlock	--	--	--	--	--	--	--	--	--
Spruce and fir	--	--	--	--	--	--	--	--	--
Baldcypress	224,324	7,840	5,140	25,015	37,439	25,313	68,192	50,979	4,406
Pondcypress	217,307	21,547	31,355	42,072	47,349	36,985	11,912	20,437	5,650
Cedars	19,165	4,667	5,226	2,864	6,408	--	--	--	--
Total softwoods	15,619,364	2,980,332	3,577,949	3,283,607	2,503,665	1,751,220	804,291	681,994	36,306
Hardwood:									
Select white oaks	694,169	--	164,679	138,279	155,371	78,370	63,367	82,545	11,558
Select red oaks	279,910	--	38,572	64,324	46,057	24,286	32,546	68,906	5,219
Chestnut oak	38,131	--	2,788	20,514	10,825	4,004	--	--	--
Other white oaks	272,988	--	48,904	48,054	46,471	29,590	30,061	47,356	22,552
Other red oaks	2,809,495	--	565,672	518,940	397,621	333,585	218,295	616,060	159,322
Hickory	641,357	--	111,031	157,209	124,347	78,335	49,920	115,876	4,639
Yellow birch	--	--	--	--	--	--	--	--	--
Hard maple	19,253	--	3,533	11,746	--	3,974	--	--	--
Soft maple	309,766	--	65,994	85,576	64,813	26,764	20,054	42,457	4,108
Beech	98,163	--	11,094	3,084	16,726	18,276	13,951	35,032	--
Sweetgum	2,504,756	--	574,507	630,332	477,992	337,140	212,040	238,762	33,983
Tupelo and blackgum	1,155,739	--	332,007	275,343	210,380	177,734	55,711	86,508	18,056
Ash	263,731	--	80,981	60,134	38,087	33,128	14,837	30,508	6,056
Cottonwood	2,571	--	2,571	--	--	--	--	--	--
Basswood	11,638	--	5,990	3,223	2,425	--	--	--	--
Yellow-poplar	1,367,424	--	225,186	235,023	285,383	217,911	168,929	218,255	16,737
Bay and magnolia	143,397	--	31,067	39,210	32,810	37,137	--	--	3,173
Black cherry	12,745	--	6,144	2,729	--	3,872	--	--	--
Black walnut	3,024	--	--	--	--	3,024	--	--	--
Sycamore	71,950	--	8,373	13,044	6,701	16,935	15,773	11,124	--
Black locust	--	--	--	--	--	--	--	--	--
Elm	281,554	--	49,950	67,225	33,352	53,357	25,064	52,606	--
Other eastern hardwood	215,285	--	37,945	39,925	24,649	43,214	25,259	44,293	--
Total hardwoods	11,197,046	--	2,366,988	2,413,914	1,974,010	1,520,636	945,807	1,690,288	285,403
All species	26,816,410	2,980,332	5,944,937	5,697,521	4,477,675	3,271,856	1,750,098	2,372,282	321,709

Table 17.--Net annual growth and removals of growing stock on commercial forest land, by species, Central Georgia, 1981

Species	Net annual growth	Annual timber removals
	- - - Thousand cubic feet - - -	
Softwood:		
Yellow pines	310,626	318,842
Eastern white pine	--	--
Spruce and fir	--	--
Cypress	4,049	186
Other eastern softwoods	499	405
Total softwoods	315,174	319,433
Hardwood:		
Select white and red oaks	19,567	7,729
Other white and red oaks	57,296	34,116
Hickory	9,525	6,246
Yellow birch	--	--
Hard maple	1,096	395
Sweetgum	46,993	32,842
Ash, walnut, and black cherry	5,313	2,860
Yellow-poplar	20,124	14,578
Tupelo and blackgum	11,194	5,667
Bay and magnolia	2,124	414
Other eastern hardwoods	16,812	9,377
Total hardwoods	190,044	114,224
All species	505,218	433,657

Table 18.--Net annual growth and removals of sawtimber on commercial forest land, by species, Central Georgia, 1981

Species	Net annual growth	Annual timber removals
	- - - Thousand board feet - - -	
Softwood:		
Yellow pines	1,420,728	1,308,725
Eastern white pine	--	--
Spruce and fir	--	--
Cypress	20,534	974
Other eastern softwoods	1,098	491
Total softwoods	1,442,360	1,310,190
Hardwood:		
Select white and red oaks	69,823	27,385
Other white and red oaks	197,457	107,150
Hickory	29,417	17,139
Yellow birch	--	--
Hard maple	1,673	1,856
Sweetgum	174,250	105,505
Ash, walnut, and black cherry	16,381	6,760
Yellow-poplar	92,923	68,807
Tupelo and blackgum	41,199	21,323
Bay and magnolia	5,925	770
Other eastern hardwoods	43,092	30,531
Total hardwoods	672,140	387,226
All species	2,114,500	1,697,416

Table 19.--Mortality of growing stock and sawtimber on commercial forest land, by species, Central Georgia, 1981

Species	Growing stock	Sawtimber
	Thousand cubic feet	Thousand board feet
Softwood:		
Yellow pines	74,098	207,530
Eastern white pine	--	--
Spruce and fir	--	--
Cypress	176	526
Other eastern softwoods	324	1,646
Total softwoods	74,598	209,702
Hardwood:		
Select white and red oaks	1,840	7,455
Other white and red oaks	12,609	37,426
Hickory	3,216	12,093
Yellow birch	--	--
Hard maple	--	--
Sweetgum	5,901	15,608
Ash, walnut, and black cherry	1,667	4,847
Yellow-poplar	2,117	7,147
Tupelo and blackgum	2,599	7,877
Bay and magnolia	570	2,048
Other eastern hardwoods	5,666	16,203
Total hardwoods	36,185	110,704
All species	110,783	320,406

Table 20.--Volume of all live trees and growing stock on commercial forest land, by ownership class and species group, Central Georgia, 1982

Ownership class	All live trees					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand cubic feet									
National Forest	112,371	81,350	--	12,879	18,142	109,879	81,350	--	11,189	17,340
Other public	615,577	399,155	--	135,383	81,039	598,196	397,519	--	130,620	70,057
Forest industry	1,971,514	998,718	57,323	501,270	414,203	1,907,484	996,256	57,323	476,144	377,761
Farmer	2,008,621	748,158	32,277	661,354	566,832	1,898,408	745,568	31,256	610,996	510,588
Miscellaneous private	4,304,492	2,037,946	23,408	1,171,151	1,071,987	4,106,169	2,030,630	22,719	1,102,683	950,137
All ownerships	9,012,575	4,265,327	113,008	2,482,037	2,152,203	8,620,136	4,251,323	111,298	2,331,632	1,925,883

Table 21.--Volume of sawtimber on commercial forest land, by ownership class and species group, Central Georgia, 1982

Ownership class	Small sawtimber[a]					Large sawtimber[b]				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet									
National Forest	181,436	149,063	--	10,323	22,050	224,747	192,125	--	12,639	19,983
Other public	1,157,368	884,715	--	185,434	87,219	1,216,276	949,707	--	201,128	65,441
Forest industry	3,334,991	2,308,718	70,334	554,105	401,834	2,743,304	933,326	177,561	891,934	740,483
Farmer	3,130,232	1,773,666	54,707	717,888	583,971	2,554,912	923,554	57,703	706,473	867,182
Miscellaneous private	6,818,763	4,580,000	20,685	1,219,211	998,867	5,454,381	2,463,694	79,806	1,479,183	1,431,698
All ownerships	14,622,790	9,696,162	145,726	2,686,961	2,093,941	12,193,620	5,462,406	315,070	3,291,357	3,124,787

[a]Volume of sawtimber trees less than 15.0 inches at d.b.h.

[b]Volume of sawtimber trees 15.0 inches and larger at d.b.h.

Table 22.--Net annual growth and removals of growing stock on commercial forest land, by ownership class and species group, Central Georgia, 1981

Ownership class	Net annual growth					Annual timber removals				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand cubic feet									
National Forest	6,022	4,576	--	604	842	17,080	15,511	81	698	790
Other public	29,952	21,286	--	4,931	3,735	13,934	13,311	--	409	214
Forest industry	121,543	83,699	1,845	18,920	17,079	126,398	94,627	--	16,218	15,553
Farmer	103,319	51,463	1,730	24,941	25,185	91,759	59,584	--	16,338	15,837
Miscellaneous private	244,382	149,602	973	45,163	48,644	184,486	135,809	510	27,558	20,609
All ownerships	505,218	310,626	4,548	94,559	95,485	433,657	318,842	591	61,221	53,003

Table 23.--Net annual growth and removals of sawtimber on commercial forest land, by ownership class and species group, Central Georgia, 1981

Ownership class	Net annual growth					Annual timber removals				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet									
National Forest	30,050	24,744	--	1,254	4,052	86,114	84,067	--	2,047	--
Other public	152,210	123,651	--	17,329	11,230	70,494	68,358	--	1,669	467
Forest industry	476,647	326,345	11,487	69,940	68,875	489,647	393,114	--	49,624	46,909
Farmer	453,482	255,367	5,284	103,100	89,731	338,398	235,588	--	55,716	47,094
Miscellaneous private	1,002,111	690,621	4,861	160,162	146,467	712,763	527,598	1,465	112,301	71,399
All ownerships	2,114,500	1,420,728	21,632	351,785	320,355	1,697,416	1,308,725	1,465	221,357	165,869

Table 24.--Average net volume per acre of sawtimber, growing stock, and other live timber[a] on commercial forest land, by major forest type, species group, and ownership class, Central Georgia, 1982

Forest type, species group, and class of material	All ownerships		Ownership class									
			National Forest		Other public		Forest industry		Farmer		Misc. private	
	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet
Pine types:												
Growing stock:												
Softwood	3,709	1,071	5,512	1,290	8,314	1,821	2,863	911	3,759	1,070	3,598	1,073
Hardwood	230	125	366	175	380	158	198	85	259	148	217	137
Total	3,939	1,196	5,878	1,465	8,694	1,979	3,061	996	4,018	1,218	3,815	1,210
Other timber:												
Softwood	--	4	--	--	--	7	--	2	--	3	--	4
Hardwood	--	11	--	9	--	12	--	8	--	12	--	13
Total	--	15	--	9	--	19	--	10	--	15	--	17
Oak-pine type:												
Growing stock:												
Softwood	1,982	511	1,516	296	2,745	624	1,504	394	1,867	493	2,134	555
Hardwood	997	473	--	56	489	372	788	353	1,306	536	1,005	509
Total	2,979	984	1,516	352	3,234	996	2,292	747	3,173	1,029	3,139	1,064
Other timber:												
Softwood	--	3	--	--	--	6	--	--	--	7	--	2
Hardwood	--	45	--	57	--	71	--	24	--	38	--	52
Total	--	48	--	57	--	77	--	24	--	45	--	54
Upland hardwood types:												
Growing stock:												
Softwood	440	106	166	178	1,137	216	360	82	432	102	442	110
Hardwood	2,494	952	2,788	1,130	2,257	873	2,746	936	2,601	995	2,332	934
Total	2,934	1,058	2,954	1,308	3,394	1,089	3,106	1,018	3,033	1,097	2,774	1,044
Other timber:												
Softwood	--	--	--	--	--	--	--	--	--	--	--	1
Hardwood	--	87	--	83	--	115	--	58	--	90	--	96
Total	--	87	--	83	--	115	--	58	--	90	--	97
Lowland hardwood types:												
Growing stock:												
Softwood	813	176	--	--	1,621	260	1,710	374	560	148	501	98
Hardwood	5,305	1775	--	--	8,097	2,634	6,682	1,955	3,968	1,469	5,251	1,801
Total	6,118	1,951	--	--	9,718	2,894	8,392	2,329	4,528	1,617	5,752	1,899
Other timber:												
Softwood	--	--	--	--	--	--	--	--	--	--	--	--
Hardwood	--	147	--	--	--	91	--	153	--	163	--	139
Total	--	147	--	--	--	91	--	153	--	163	--	139
All types:												
Growing stock:												
Softwood	2,225	621	3,988	951	5,488	1,189	2,049	619	1,796	496	2,143	616
Hardwood	1,595	606	760	334	1,613	600	1,520	501	1,838	717	1,539	616
Total	3,820	1,227	4,748	1,285	7,101	1,789	3,569	1,120	3,634	1,213	3,682	1,232
Other timber:												
Softwood	--	2	--	--	--	5	--	1	--	2	--	2
Hardwood	--	54	--	29	--	47	--	36	--	68	--	57
Total	--	56	--	29	--	52	--	37	--	70	--	59
All timber	3,820	1,283	4,748	1,314	7,101	1,841	3,569	1,157	3,634	1,283	3,682	1,291

[a]Rough and rotten trees.

Table 25.--Land area, by class, major forest type, and survey completion date, Central Georgia, 1961,1972, and 1982

Land use class	Survey completion date			Change
	1961	1972	1982	1972-1982
	Acres			
Forest land:				
Commercial forest land:				
Pine and oak-pine types	4,805,500	4,715,685	4,227,775	-487,910
Hardwood types	2,611,100	2,606,166	2,792,910	+186,744
Total	7,416,600	7,321,851	7,020,685	-301,166
Noncommercial forest land:				
Productive-reserved	14,700	18,647	19,303	+656
Unproductive	1,000	--	--	--
Total	15,700	18,647	19,303	+656
Nonforest land:				
Cropland	1,819,700	1,809,416	1,826,724	+17,308
Pasture and range	890,300	806,888	810,924	+4,036
Other	352,400	510,556	659,921	+149,365
Total	3,062,400	3,126,860	3,297,569	+170,709
All land[a]	10,494,700	10,467,358	10,337,557	-129,801

[a]Excludes all water areas.

Table 26.--Volume[a] of sawtimber, growing stock, and all live timber on commercial forest land, by species group, survey completion date, and diameter class, Central Georgia

Species group	Year	All classes	Diameter class (inches at breast height)								
			5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0 and larger
SAWTIMBER (in thousand board feet)											
Softwood	1961	10,149,528	--	--	2,493,271	2,863,944	2,055,952	1,338,887	736,066	340,064	321,344
	1972	14,302,644	--	--	2,751,733	3,540,429	3,316,908	2,242,382	1,289,392	595,878	565,922
	1982	15,619,364	--	--	2,980,332	3,577,949	3,283,607	2,503,665	1,751,220	804,291	718,300
Hardwood	1961	7,300,086	--	--	--	1,696,959	1,734,409	1,064,004	915,990	724,516	1,164,208
	1972	9,201,592	--	--	--	2,090,453	2,092,826	1,576,463	1,118,380	725,158	1,598,312
	1982	11,197,046	--	--	--	2,366,988	2,413,914	1,974,010	1,520,636	945,807	1,975,691
GROWING STOCK (in thousand cubic feet)											
Softwood	1961	3,211,047	439,185	555,247	692,383	644,742	406,636	242,508	125,160	55,657	49,529
	1972	4,395,388	620,990	747,018	764,158	797,035	656,034	406,155	219,247	97,525	87,226
	1982	4,362,621	415,573	670,748	827,720	805,533	649,416	453,474	297,801	131,644	110,712
Hardwood	1961	2,855,040	328,058	405,646	442,508	495,029	425,413	232,366	185,348	137,636	203,036
	1972	3,699,043	439,799	543,668	605,351	609,817	513,325	344,281	226,301	137,758	278,743
	1982	4,257,515	457,962	594,186	659,885	690,421	592,096	431,081	307,687	179,659	344,538
ALL LIVE TIMBER (in thousand cubic feet)											
Softwood	1961	3,224,685	443,137	560,258	694,363	646,511	407,396	242,674	125,160	55,657	49,529
	1972	4,413,632	626,578	753,761	766,342	799,241	657,243	406,469	219,247	97,525	87,226
	1982	4,378,335	419,884	676,080	829,948	807,814	650,580	453,872	297,801	131,644	110,712
Hardwood	1961	3,035,575	319,888	448,460	478,496	518,527	443,483	248,395	196,943	150,811	230,572
	1972	4,030,898	525,371	601,044	654,581	638,756	535,126	368,070	240,452	150,927	316,571
	1982	4,634,240	546,663	657,652	713,721	723,240	617,115	460,819	326,894	196,842	391,294

[a]To provide a basis for valid comparisons, adjustments have been made to allow for differences in volume tables and sawtimber specifications used in previous surveys.

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Sheffield, Raymond M.; Tansey, John B.
Forest statistics for Central Georgia, 1982. Resour. Bull. SE-65. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southeastern Forest Experiment Station; 1982. 32 p.

Since the fourth inventory of the forest resources of Central Georgia in 1972, the area of commercial forest land has declined by 301,000 acres, or by 4 percent. Commercial forests now occupy 7.0 million acres, or 67 percent of the land in these 49 counties. Nonindustrial private landowners control 71 percent of the commercial forest land. The inventory of softwood growing stock has declined by almost 1 percent, a result of sharp increases in softwood removals and mortality and a slowdown in softwood growth. Volume of hardwood growing stock increased by 15 percent. Net annual growth of softwood growing stock totaled 315 million cubic feet compared to annual softwood removals of 319 million cubic feet. Hardwood net growth totaled 190 million cubic feet, 66 percent more than annual hardwood removals.

KEYWORDS: Forest trends, commercial forest land, forest ownership, timber volume, timber growth, timber removals.

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