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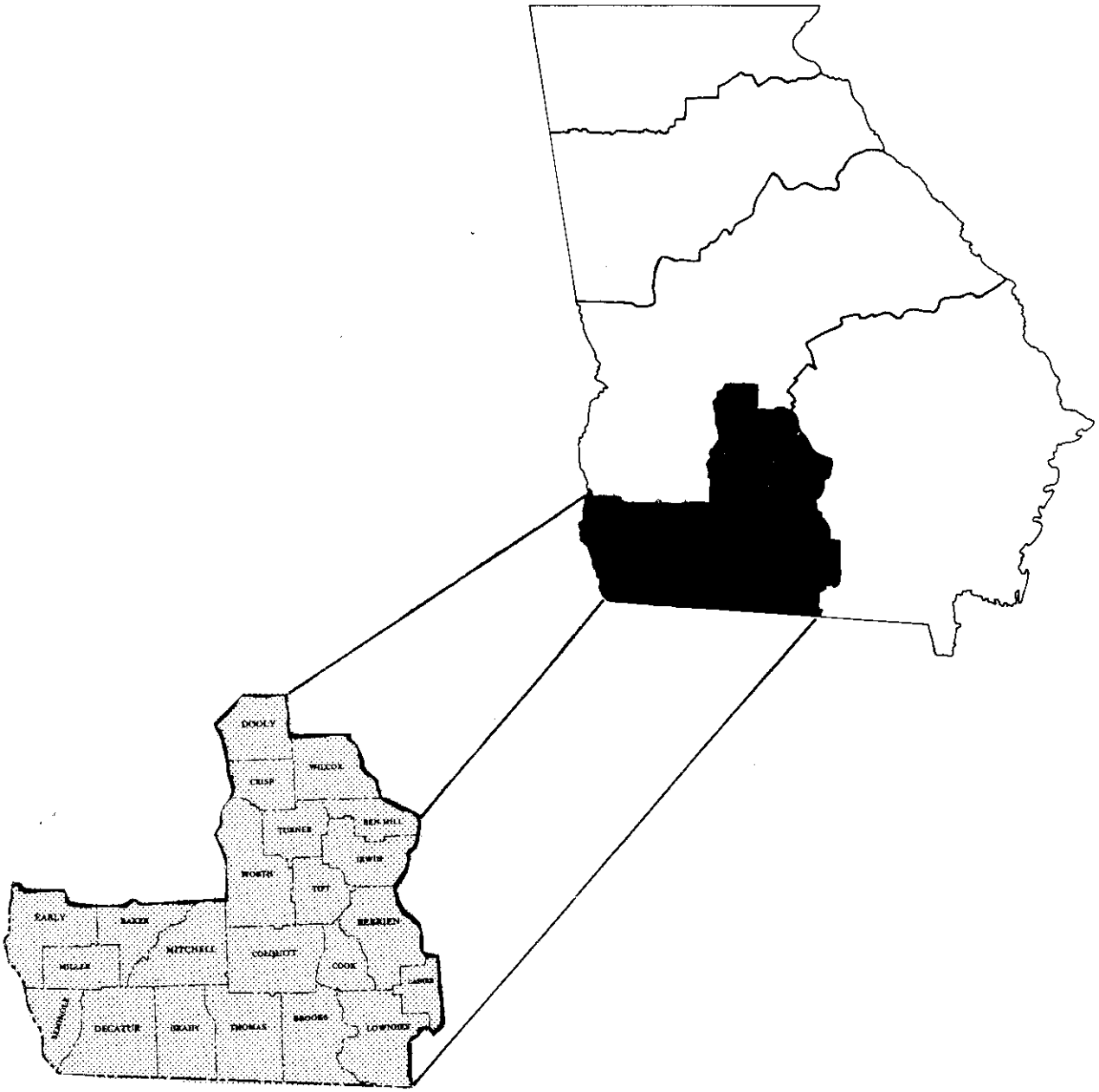
FOREST STATISTICS FOR SOUTHWEST GEORGIA, 1981



FOREWORD

This report highlights the principal findings of the fifth forest survey of Southwest Georgia. Fieldwork began in May 1980 and was completed in November 1980. Four previous surveys, completed in 1934, 1951, 1960, and 1971, provide statistics for measuring changes and trends over the past 47 years. The primary emphasis in this report is on the changes and trends since 1971. 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 Renewable Resources Evaluation 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 multiresource 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 22-county area covered by this report is one of five survey units in Georgia. Comparable reports for the other four 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
Project Leader

November 1981
Southeastern Forest Experiment Station
Asheville, North Carolina

FOREST STATISTICS FOR SOUTHWEST GEORGIA, 1981

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HIGHLIGHTS

Since 1971 in Southwest Georgia

• *area of commercial forest land has declined by over 247,000 acres, or by about 9 percent.* Over 286,000 acres of commercial forests were diverted to other land uses, while only 39,000 acres of new forest were added. Nearly 85 percent of the diverted acreage was cleared for agricultural uses and 14 percent for urban development; the remaining 1 percent was diverted to noncommercial forest. Area of commercial forest land now totals 2.6 million acres, about 47 percent of the land area in these 22 counties.

• *area of commercial forest land owned by farmers has continued to decline but at a much slower rate than occurred between 1960 and 1971.* Farmers now own 1.5 million acres, 13 percent less than in 1971. Most of the decline is attributed to land clearing; some portion of this decline is due to a shift in ownership to the miscellaneous private and other ownership classes. Miscellaneous private owners presently hold 848,000 acres, a decline of 4 percent since 1971. Collectively, farmers and miscellaneous private owners hold 89 percent of the commercial forest. Forest industry acreage has increased by 6 percent to 266,000 acres. Public agencies control only 1 percent of the commercial forest.

• *two-thirds of the commercial forest land has been treated or significantly disturbed.* About 454,000 acres were harvested and retained in commercial forest land; thinnings and other intermediate cuttings have occurred on 408,000 acres. Altogether, about 96,000 acres were artificially regenerated and are adequately stocked with suitable species. Two-thirds of the planting occurred on lands owned or leased by forest industry. Other miscellaneous treatments—primarily prescribed burning and grazing—occurred on 556,000 acres. Diseases, weather, insects, and wildfires caused significant damage to 302,000 acres of commercial forest land.

• *about 94 percent of the decline in acreage of commercial forest land occurred in pine forest types.* Area of commercial forest land classified as pine types has declined by 17 percent and now totals 1.2 million acres. Area of oak-pine type dropped by 5 percent, while the area of hardwood types increased by 1 percent. About 36 percent of the pine-type loss occurred following a harvest of pine stands; only 52 percent of the harvested pine stands remained in pine types. Land clearing accounted for another 35 percent of the pine-type loss, while the remaining 29 percent was due to intermediate cutting, other miscellaneous treatments, and natural succession. All pine forest types lost acreage since 1971. Area of slash pine type declined by 135,000 acres, or by 16 percent, while longleaf pine type declined by 62,000 acres, or by 22 percent, and loblolly pine type declined by 8,000 acres, or 4 percent. Both oak-hickory and oak-gum-cypress types increased in acreage, while the southern scrub oak type declined by 66 percent.

• *average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 52 to 66 square feet per acre of commercial forest land.* Acreage in stands classified as fully stocked with growing-stock trees has increased by 54 percent, medium-stocked stands have declined by 21 percent, and poorly stocked stands have declined by 32 percent. About 23 percent of the commercial forest is currently classed as poorly stocked or nonstocked with growing-stock trees.

• *the number of softwood trees in the three smallest diameter classes has dropped substantially.* Two-inch softwoods plummetted by 53 percent, 4-inch softwoods by 35 percent, and 6-inch softwoods by 12 percent. These declines are due to fewer acres of pine stands in the youngest age classes, compared to 1971. Rather large acreages of pine plantations and natural pine stands were established during the late 1950's and early 1960's. The rate of planting and natural reversion dropped substantially after that period; this slowdown in the rate of establishment of pine stands is now causing the large declines in the number of small softwood trees.

• *volume of softwood growing stock has increased from less than 1.9 to 2.1 billion cubic feet, an increase of 15 percent.* Slash pine volume rose by nearly 29 percent and accounted for about three-fourths of the total softwood-volume increase. Cypress and loblolly pine accounted for most of the remaining increase. Volume of longleaf pine declined by 10 percent. The softwood-volume increase extended across all but one diameter class—the 6-inch class. Softwood volume in this diameter class dropped by 12 percent. The current inventory of softwood growing stock includes nearly 7.8 billion board feet of sawtimber, 20 percent more than in 1971.

• *volume of hardwood growing stock has increased from 1.1 to 1.3 billion cubic feet, or by 20 percent.* All major hardwood species increased in volume. The red oak species accounted for 57 percent of the increase. Volume of tupelo and blackgum, the leading species in the region, increased by only 5 percent. The hardwood-volume increase was distributed across the entire range of diameter classes. The current inventory of hardwood growing stock includes 3.4 billion board feet of sawtimber, up by 23 percent.

In 1980

• *net annual growth of growing stock totaled 225 million cubic feet, an average of nearly 86 cubic feet per acre of commercial forest land.* Yellow pines accounted for 71 percent of this growth. Net growth exceeded removals by 28 percent for softwoods and by 98 percent for hardwoods. Net growth also exceeded removals by healthy margins on all ownerships. The high growth rate in this 22-county region is attributed to the continuing development of the large acreage of pine stands—both plantation and

natural—established during the 1950's and 1960's. Almost one-half of all pine stands are currently between 20 and 39 years old, a period of rather high growth. Only 17 percent of all pine stands are presently between 0 and 19 years old; thus the high growth rate in this region will not likely be sustained past another 10-year period.

• *removals of growing stock totaled 160 million cubic feet and included 593 million board feet of sawtimber.* Yellow pines accounted for 81 percent of growing-stock removals. Yellow pine removals have increased by nearly 42 percent since the previous inventory while hardwood removals have increased by 12 percent. About 64 percent of the removals came from farm woodlands, 22 percent from miscellaneous private forests, and 14 percent from forest lands owned or leased by forest industry.

• *mortality of growing stock totaled 33 million cubic feet and included 104 million board feet of sawtimber.* Softwoods made up about 62 percent of the mortality. Diseases, insects, weather, and suppression were the leading identifiable causes of death. Mortality reduced gross growth by 13 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 19,038 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 2,082 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 907 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 22 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 832 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	1.30
Per billion cubic feet of growing stock	5.45
Per billion cubic feet of net annual growth	1.42
Per billion cubic feet of annual removals	2.71

SAMPLING ERRORS FOR COUNTY AND UNIT TOTALS,[1] IN TERMS OF ONE STANDARD ERROR

COUNTY	COMMERCIAL FOREST AREA	CUBIC-FOOT VOLUME OF GROWING STOCK		
		INVENTORY	GROWTH	REMOVALS
	SAMPLING ERROR[2]			
BAKER	4.92	14.63	17.47	34.66
BEN HILL	3.06	16.08	16.30	32.12
BERRIEN	2.43	9.68	9.80	33.84
BROOKS	3.84	14.25	14.14	31.95
COLQUITT	3.02	12.26	15.22	33.01
COOK	4.31	16.01	15.82	30.90
CRISP	5.25	14.86	18.07	48.78
DECATUR	3.22	11.13	9.88	20.52
DOOLY	5.04	15.17	14.28	29.62
EARLY	3.52	12.91	10.31	27.45
GRADY	2.86	11.59	11.05	27.64
IRWIN	4.73	13.31	12.57	35.87
LANIER	2.42	19.75	18.29	31.37
LOWNDES	2.27	11.41	9.71	20.58
MILLER	5.36	19.13	18.69	60.14
MITCHELL	5.51	15.63	20.11	30.81
SEMINOLE	5.78	35.39	34.06	40.57
THOMAS	2.92	8.54	9.82	27.56
TIFT	4.41	15.68	19.17	38.31
TURNER	4.53	22.80	13.50	42.66
WILCOX	2.70	13.67	12.92	29.13
WORTH	3.08	9.93	11.53	25.10
UNIT TOTAL	0.80	2.95	2.98	6.78

[1] 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.

[2] BY RANDOM-SAMPLING FORMULA (IN PERCENT).

DEFINITIONS OF TERMS

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.

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 7.)

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[1]
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

[1] 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--OVER 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	61.0	61.0	68.2	60.0
8	68.6	68.1	76.0	68.4
10	73.7	73.1	81.4	73.4
12	77.1	76.7	85.2	76.4
14	79.6	79.4	88.2	78.4
16	81.4	81.6	90.4	79.8
18	82.6	83.3	92.3	80.8
20	83.6	84.8	93.8	81.5
22	83.9	86.0	95.1	82.1
24+	84.9	87.8	98.9	83.1
AVERAGE	74.7	74.4	83.0	74.1

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 3.

TABLE 1.--*AREA, BY LAND CLASS AND COUNTY, 1981*

COUNTY	ALL LAND[1]	FOREST LAND				NONFOREST LAND[2]
		TOTAL	COMMERCIAL FOREST	UNPRODUCTIVE FOREST	PRODUCTIVE-RESERVED	
	ACRES					
BAKER	227,200	112,966	112,966	--	--	114,234
BEN HILL	163,200	95,278	95,278	--	--	67,922
BERRIEN	299,520	181,290	181,290	--	--	118,230
BROOKS	314,494	142,780	142,780	--	--	171,714
COLQUITT	360,320	135,885	135,152	--	733	224,435
COOK	149,120	70,083	69,612	--	471	79,037
CRISP	188,409	73,317	72,117	--	1,200	115,092
DECATUR	375,841	191,911	191,911	--	--	183,930
DOOLY	252,800	87,727	87,702	--	25	165,073
EARLY	335,360	153,618	152,434	--	1,184	181,742
GRADY	298,240	156,537	153,624	--	2,913	141,703
IRWIN	238,080	107,357	107,357	--	--	130,723
LANIER	116,079	87,323	87,323	--	--	28,756
LOWNDES	325,120	211,169	211,169	--	--	113,951
MILLER	183,680	60,038	60,038	--	--	123,642
MITCHELL	326,400	101,738	101,738	--	--	224,662
SEMINOLE	165,440	51,298	50,967	--	331	114,142
THOMAS	346,240	179,048	179,048	--	--	167,192
TIFT	170,240	58,464	58,464	--	--	111,776
TURNER	187,520	82,436	82,436	--	--	105,084
WILCOX	245,120	146,711	146,691	--	20	98,409
WORTH	370,560	156,223	156,223	--	--	214,337
TOTAL	5,638,983	2,643,197	2,636,320	--	6,877	2,995,786

[1] FROM U. S. BUREAU OF THE CENSUS, LAND AND WATER AREA OF THE UNITED STATES, 1970

[2] INCLUDES 41,866 ACRES OF WATER ACCORDING TO SURVEY STANDARDS OF AREA CLASSIFICATION, BUT DEFINED BY THE BUREAU OF THE CENSUS AS LAND.

TABLE 2.--*AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND COUNTY, 1981*

COUNTY	ALL OWNERSHIPS	OWNERSHIP CLASS							
		NATIONAL FOREST	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	FOREST INDUSTRY[1]	FARMER	MISCELLANEOUS PRIVATE	
								CORPORATE	INDIVIDUAL
	ACRES								
BAKER	112,966	--	--	--	5	17,886	35,910	10,756	48,409
BEN HILL	95,278	--	--	3	185	6,644	57,808	18,720	11,918
BERRIEN	181,290	--	--	2,468	88	21,008	88,899	2,868	65,959
BROOKS	142,780	--	--	--	304	21,051	75,965	8,440	37,020
COLQUITT	135,152	--	--	--	546	3,082	88,779	13,152	29,593
COOK	69,612	--	--	--	327	6,151	54,731	2,737	5,666
CRISP	72,117	--	--	--	258	288	64,364	--	7,207
DECATUR	191,911	--	6,720	370	574	33,921	78,171	12,025	60,130
DOOLY	87,702	4,106	--	--	26	4,298	53,003	3,117	23,152
EARLY	152,434	--	354	245	25	10,409	108,280	--	33,121
GRADY	153,624	--	--	--	170	7,765	116,856	3,247	25,586
IRWIN	107,357	--	--	--	59	9,594	69,462	6,014	22,228
LANIER	87,323	--	6,530	--	--	14,797	33,872	7,259	24,865
LOWNDES	211,169	--	1,868	136	1,191	61,415	85,236	15,320	46,003
MILLER	60,038	--	--	--	32	10,233	36,306	2,694	10,773
MITCHELL	101,738	--	--	3	117	4,319	67,361	11,227	18,711
SEMINOLE	50,967	--	3,561	--	--	3,327	25,712	3,673	14,694
THOMAS	179,048	--	--	20	527	5,225	74,042	30,850	68,384
TIFT	58,464	--	--	581	292	--	49,364	2,743	5,484
TURNER	82,436	--	--	--	81	4,171	50,027	--	28,157
WILCOX	146,691	--	--	57	26	16,118	71,339	12,516	46,635
WORTH	156,223	--	--	47	68	3,969	105,140	2,628	44,371
TOTAL	2,636,320	4,106	19,033	3,930	4,901	265,671	1,490,627	169,986	678,066

[1]NOT INCLUDING 101,859 ACRES OF FARMER-OWNED AND MISCELLANEOUS PRIVATE LANDS LEASED TO FOREST INDUSTRY.

TABLE 3.--*AREA OF COMMERCIAL FOREST LAND, BY FOREST-TYPE GROUP AND COUNTY, 1981*

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									
BAKER	112,966	--	--	34,097	5,379	16,140	37,197	20,153	--	--
BEN HILL	95,278	--	--	48,786	18,720	11,532	5,536	10,704	--	--
BERRIEN	181,290	--	--	71,095	15,760	27,145	14,339	52,951	--	--
BROOKS	142,780	--	--	26,399	20,140	11,255	33,955	48,218	2,813	--
COLQUITT	135,152	--	--	66,101	9,864	16,441	9,864	32,882	--	--
COOK	69,612	--	--	16,940	5,473	8,209	2,737	36,253	--	--
CRISP	72,117	--	--	28,950	2,681	8,046	8,046	24,394	--	--
DECATUR	191,911	--	--	69,195	32,172	17,859	42,093	27,765	2,827	--
DOOLY	87,702	--	--	21,845	9,353	11,502	21,825	23,177	--	--
EARLY	152,434	--	--	42,255	16,305	8,547	40,004	45,323	--	--
GRADY	153,624	--	--	18,171	30,773	23,359	35,707	45,614	--	--
IRWIN	107,357	--	--	46,552	8,337	16,669	11,115	24,684	--	--
LANIER	87,323	--	--	29,417	14,704	4,840	4,838	33,524	--	--
LOWNDES	211,169	--	--	68,510	9,192	28,561	36,951	67,955	--	--
MILLER	60,038	--	--	15,890	--	10,773	15,922	17,453	--	--
MITCHELL	101,738	--	--	49,346	11,227	11,227	18,712	7,484	3,742	--
SEMINOLE	50,967	--	--	14,693	--	10,673	11,020	14,581	--	--
THOMAS	179,048	--	--	41,848	30,870	33,936	36,205	36,189	--	--
TIFT	58,464	--	--	28,297	2,743	8,228	2,743	16,453	--	--
TURNER	82,436	--	--	50,790	--	10,005	6,672	14,969	--	--
WILCOX	146,691	--	--	67,564	5,481	17,632	8,917	47,097	--	--
WORTH	156,223	--	--	89,625	14,842	10,514	12,281	28,961	--	--
TOTAL	2,636,320	--	--	946,366	264,016	323,093	416,679	676,784	9,382	--

TABLE 4.--*AREA OF COMMERCIAL FOREST LAND, BY STAND-SIZE CLASS AND COUNTY, 1981*

COUNTY	ALL STANDS	STAND-SIZE CLASS			NONSTOCKED AREAS
		SAWTIMBER	POLETIMBER	SAPLING-SEEDLING	
			ACRES		
BAKER	112,966	61,450	25,078	15,682	10,756
BEN HILL	95,278	32,102	40,295	14,853	8,028
BERRIEN	181,290	78,252	50,851	43,584	8,603
BROOKS	142,780	65,401	31,977	39,775	5,627
COLQUITT	135,152	59,524	42,746	32,882	--
COOK	69,612	27,365	22,752	16,758	2,737
CRISP	72,117	37,547	18,221	13,668	2,681
DECATUR	191,911	79,916	48,296	60,692	3,007
DOOLY	87,702	45,729	30,471	5,267	6,235
EARLY	152,434	42,331	71,248	36,006	2,849
GRADY	153,624	94,941	38,952	19,731	--
IRWIN	107,357	49,689	35,820	16,292	5,556
LANIER	87,323	14,610	35,611	32,264	4,838
LOWNDES	211,169	68,171	77,624	59,750	5,624
MILLER	60,038	26,665	14,790	15,889	2,694
MITCHELL	101,738	44,908	34,376	22,454	--
SEMINOLE	50,967	12,800	14,693	12,454	11,020
THOMAS	179,048	104,060	28,711	46,277	--
TIFT	58,464	39,266	10,970	8,228	--
TURNER	82,436	40,022	20,850	21,564	--
WILCOX	146,691	59,532	46,863	37,323	2,973
WORTH	156,223	56,639	53,358	39,268	6,958
TOTAL	2,636,320	1,140,920	794,553	610,661	90,186

TABLE 5.--*AREA OF COMMERCIAL FOREST LAND, BY SITE CLASS AND COUNTY, 1981*

COUNTY	ALL CLASSES	SITE CLASS				
		1	2	3	4	5
				ACRES		
BAKER	112,966	--	--	31,362	65,470	16,134
BEN HILL	95,278	--	2,675	23,062	64,190	5,351
BERRIEN	181,290	--	7,835	49,008	108,008	16,439
BROOKS	142,780	2,814	8,442	48,518	68,939	14,067
COLQUITT	135,152	--	6,576	49,867	62,267	16,442
COOK	69,612	--	2,737	27,561	36,251	3,063
CRISP	72,117	--	5,364	21,454	42,360	2,939
DECATUR	191,911	2,827	11,666	65,603	100,150	11,665
DOOLY	87,702	--	--	49,083	35,501	3,118
EARLY	152,434	--	--	36,011	105,027	11,396
GRADY	153,624	6,492	8,434	58,852	79,846	--
IRWIN	107,357	--	7,956	38,577	52,489	8,335
LANIER	87,323	--	2,467	12,191	53,702	18,963
LOWNDES	211,169	--	5,118	61,859	130,386	13,806
MILLER	60,038	--	5,117	13,465	38,762	2,694
MITCHELL	101,738	3,743	7,484	11,803	63,738	14,970
SEMINOLE	50,967	--	--	9,126	27,148	14,693
THOMAS	179,048	--	33,935	71,375	63,445	10,293
TIFT	58,464	--	2,742	19,489	36,233	--
TURNER	82,436	--	3,336	31,645	37,450	10,005
WILCOX	146,691	--	83	69,733	68,243	8,632
WORTH	156,223	--	4,328	46,076	90,046	15,773
TOTAL	2,636,320	15,876	126,295	845,720	1,429,651	218,778

TABLE 6.--*AREA OF COMMERCIAL FOREST LAND, BY STOCKING CLASSES OF GROWING-STOCK TREES, BY COUNTY, 1981*

COUNTY	ALL CLASSES	STOCKING PERCENTAGE[1]				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
				ACRES		
BAKER	112,966	7,160	20,153	48,453	26,444	10,756
BEN HILL	95,278	5,351	17,882	54,973	9,044	8,028
BERRIEN	181,290	19,764	78,560	57,922	16,441	8,603
BROOKS	142,780	14,069	40,609	54,341	28,134	5,627
COLQUITT	135,152	13,152	26,851	55,898	39,251	--
COOK	69,612	--	25,162	33,165	8,548	2,737
CRISP	72,117	10,728	25,980	21,712	11,016	2,681
DECATUR	191,911	2,826	71,423	84,591	30,064	3,007
DOOLY	87,702	3,144	16,769	30,114	31,440	6,235
EARLY	152,434	5,699	60,181	75,132	8,573	2,849
GRADY	153,624	--	37,817	74,913	40,894	--
IRWIN	107,357	16,289	25,085	44,137	16,290	5,556
LANIER	87,323	4,885	22,205	43,252	12,143	4,838
LOWNDES	211,169	9,192	62,870	89,865	43,618	5,624
MILLER	60,038	--	15,891	22,839	18,614	2,694
MITCHELL	101,738	8,061	26,317	29,936	37,424	--
SEMINOLE	50,967	--	9,126	14,693	16,128	11,020
THOMAS	179,048	--	32,593	88,672	57,783	--
TIFT	58,464	8,228	27,423	11,843	10,970	--
TURNER	82,436	10,006	29,068	26,687	16,675	--
WILCOX	146,691	11,889	47,233	58,703	25,893	2,973
WORTH	156,223	4,020	52,431	71,742	21,072	6,958
TOTAL	2,636,320	154,463	771,629	1,093,583	526,459	90,186

[1] SEE STOCKING STANDARDS ON PAGE 7.

TABLE 7.--*VOLUME OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 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*[1]				
BAKER	496,136	258,707	32,106	26,253	179,070	139,299	66,912	11,174	8,952	52,261
BEN HILL	324,681	268,181	7,059	34,505	14,936	98,299	80,905	2,658	9,788	4,948
BERRIEN	738,179	559,508	65,672	90,006	22,993	260,177	161,017	28,530	61,758	8,872
BROOKS	621,010	322,755	56,872	162,526	78,857	188,000	78,188	21,656	57,611	30,545
COLQUITT	509,261	411,379	--	50,296	47,586	165,161	124,275	6,169	22,172	12,545
COOK	306,838	195,653	14,936	39,761	56,488	100,983	51,368	4,468	25,547	19,600
CRISP	385,463	261,319	16,606	51,991	55,547	123,820	77,181	4,337	21,490	20,812
DECATUR	818,392	600,785	28,859	86,435	102,313	238,796	152,944	5,988	41,960	37,904
DOOLY	399,090	180,133	62,032	99,096	57,829	115,692	46,826	13,615	35,193	20,058
EARLY	540,698	147,656	20,487	166,299	206,256	193,327	58,002	9,260	62,088	63,977
GRADY	871,815	567,034	--	122,405	182,376	216,681	121,476	--	43,138	52,067
IRWIN	569,084	403,306	51,337	98,944	15,497	175,358	113,432	14,925	42,016	4,985
LANIER	191,032	125,380	45,331	17,243	3,078	72,466	38,705	14,041	18,267	1,453
LOWNDES	649,151	252,952	72,513	186,324	137,362	219,929	79,995	20,271	77,342	42,321
MILLER	251,618	110,812	9,794	43,796	87,216	69,127	27,147	4,510	16,889	20,581
MITCHELL	357,344	263,858	17,054	41,150	35,282	119,103	79,652	3,709	19,121	16,621
SEMINOLE	151,475	104,418	11,393	17,400	18,264	41,391	22,450	2,677	8,786	7,478
THOMAS	1,088,405	822,128	--	77,119	189,158	247,091	166,981	--	30,931	49,179
TIFT	339,358	239,003	20,475	56,822	23,058	106,653	61,679	6,446	31,870	6,658
TURNER	453,319	305,482	90,101	51,099	6,637	124,495	77,418	23,451	19,547	4,079
WILCOX	541,085	205,759	64,735	149,997	120,594	194,480	89,884	14,650	55,981	33,965
WORTH	579,076	432,214	24,663	82,211	39,988	184,945	134,648	5,196	27,989	17,112
TOTAL	11,182,510	7,038,422	712,025	1,751,678	1,680,385	3,395,273	1,911,085	217,731	738,436	528,021

[1] FACTORS FOR CONVERTING TO CORDS ARE SHOWN ON PAGE 7

TABLE 8.--*NET ANNUAL GROWTH OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1980*

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*				
BAKER	35,362	23,994	916	1,033	9,419	8,178	4,865	304	303	2,706
BEN HILL	27,502	23,582	245	2,742	933	9,235	8,364	90	357	424
BERRIEN	68,373	58,393	4,011	4,606	1,363	17,699	13,579	1,005	2,466	649
BROOKS	41,576	25,922	2,100	6,131	7,423	9,899	5,439	725	1,785	1,950
COLQUITT	42,464	38,770	121	1,385	2,188	13,578	11,538	573	743	724
COOK	29,962	22,388	348	3,659	3,567	6,956	4,289	93	1,090	1,484
CRISP	46,637	37,027	562	4,320	4,728	8,680	6,743	110	962	865
DECATUR	61,785	49,084	1,307	5,744	5,650	14,881	10,679	233	1,941	2,028
DOOLY	24,158	14,108	1,431	5,499	3,120	7,575	4,215	283	1,406	1,671
EARLY	40,077	22,284	1,316	6,994	9,483	13,085	6,720	354	2,475	3,536
GRADY	63,415	43,233	--	8,157	12,025	12,790	8,076	--	1,903	2,811
IRWIN	45,248	39,201	1,957	3,417	673	11,553	9,545	362	1,371	275
LANIER	16,515	12,833	1,737	1,821	124	5,285	4,006	340	852	87
LOWNDES	48,644	28,978	2,415	7,164	10,087	13,618	8,021	491	3,139	1,967
MILLER	15,659	9,974	361	1,718	3,606	3,799	2,281	253	550	715
MITCHELL	29,484	23,340	391	1,849	3,904	10,023	8,233	71	667	1,052
SEMINOLE	11,299	6,526	370	2,059	2,344	2,124	1,255	71	511	287
THOMAS	60,041	48,548	--	3,091	8,402	13,152	9,216	--	1,500	2,436
TIFT	27,184	22,568	624	2,806	1,186	6,793	4,816	148	1,434	395
TURNER	29,389	22,915	2,617	3,378	479	8,018	6,157	487	892	482
WILCOX	52,306	35,375	2,945	8,926	5,060	13,372	9,352	535	1,964	1,521
WORTH	60,963	51,879	784	6,146	2,154	15,158	12,393	176	1,198	1,391
TOTAL	878,043	660,922	26,558	92,645	97,918	225,451	159,782	6,704	29,509	29,456

TABLE 9.--*ANNUAL REMOVALS OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1980*

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*				
BAKER	8,159	7,173	--	--	986	3,517	2,716	175	--	626
BEN HILL	21,854	21,854	--	--	--	5,925	5,925	--	--	--
BERRIEN	28,440	27,927	--	513	--	8,020	7,700	108	119	93
BROOKS	15,623	13,155	--	--	2,468	5,141	2,883	--	--	2,258
COLQUITT	36,992	33,576	--	1,601	1,815	8,678	7,863	--	320	495
COOK	21,272	18,784	--	2,488	--	6,225	5,150	--	822	253
CRISP	16,968	14,296	--	1,166	1,506	3,734	2,997	--	432	305
DECATUR	66,627	51,200	--	9,213	6,214	17,063	12,484	--	2,607	1,972
DOOLY	18,750	13,960	--	691	4,099	6,052	3,877	--	789	1,386
EARLY	30,339	19,254	--	6,649	4,436	8,869	5,769	--	1,800	1,300
GRADY	33,387	29,908	--	1,162	2,317	8,173	6,221	--	540	1,412
IRWIN	22,350	20,528	--	1,822	--	5,294	4,436	--	858	--
LANIER	19,408	17,837	1,571	--	--	4,737	4,137	388	--	212
LOWNDES	48,633	38,994	--	8,916	723	12,583	10,293	--	2,006	284
MILLER	11,299	10,160	--	569	570	3,376	3,067	--	139	170
MITCHELL	22,349	22,349	--	--	--	8,048	7,083	--	--	965
SEMINOLE	13,624	10,791	--	--	2,833	4,676	3,729	--	--	947
THOMAS	30,143	19,544	--	5,714	4,885	9,205	6,004	--	1,306	1,895
TIFT	12,243	10,893	--	--	1,350	3,031	2,368	--	--	663
TURNER	10,474	7,941	--	2,533	--	2,296	1,743	--	553	--
WILCOX	20,509	20,509	--	--	--	7,788	7,684	--	104	--
WORTH	83,698	74,607	344	5,393	3,354	17,828	15,350	265	1,222	991
TOTAL	593,141	505,240	1,915	48,430	37,556	160,259	129,479	936	13,617	16,227

TABLE 10. --*AREA OF COMMERCIAL FOREST LAND, BY FOREST TYPE AND OWNERSHIP CLASS, 1981*

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	214,681	--	1,868	20,966	120,488	71,359
SLASH PINE	731,685	4,106	5,799	122,382	384,136	215,262
LOBLOLLY PINE	209,409	--	353	23,742	107,572	77,742
SHORTLEAF PINE	22,872	--	--	8,480	11,307	3,085
VIRGINIA PINE	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--
EASTERN REDCEDAR	--	--	--	--	--	--
POND PINE	31,735	--	--	--	15,301	16,434
SPRUCE PINE	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--
TOTAL	1,210,382	4,106	8,020	175,570	638,804	383,882
HARDWOOD TYPES:						
OAK-PINE	323,093	--	88	27,582	184,018	111,405
OAK-HICKORY	394,338	--	2,382	17,219	237,825	136,912
CHESTNUT OAK	--	--	--	--	--	--
SOUTHERN SCRUB OAK	22,341	--	--	--	3,742	18,599
OAK-GUM-CYPRESS	676,784	--	17,374	42,473	419,683	197,254
ELM-ASH-COTTONWOOD	9,382	--	--	2,827	6,555	--
MAPLE-BEECH-BIRCH	--	--	--	--	--	--
TOTAL	1,425,938	--	19,844	90,101	851,823	464,170
ALL TYPES	2,636,320	4,106	27,864	265,671	1,490,627	848,052

TABLE 11. --*AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP AND STOCKING CLASSES OF GROWING-STOCK TREES, 1981*

OWNERSHIP CLASSES	ALL CLASSES	STOCKING PERCENTAGE[1]				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
	ACRES					
NATIONAL FOREST	4,106	--	--	2,053	2,053	--
OTHER PUBLIC	27,864	2,650	10,018	11,927	3,269	--
FOREST INDUSTRY	265,671	17,802	120,587	70,148	54,575	2,559
FARMER	1,490,627	102,027	411,535	621,327	300,899	54,839
MISC. PRIVATE	848,052	31,984	229,489	388,128	165,663	32,788
ALL OWNERSHIPS	2,636,320	154,463	771,629	1,093,583	526,459	90,186

[1] SEE STOCKING STANDARDS ON PAGE 7.

TABLE 12.--*VOLUME OF TIMBER ON COMMERCIAL FOREST LAND, BY CLASS AND SPECIES GROUP, 1981*

CLASS OF TIMBER	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
			THOUSAND CUBIC FEET		
SAWTIMBER TREES:					
SAW-LOG PORTION	2,150,472	1,325,336	156,363	365,830	302,943
UPPER-STEM PORTION	212,289	101,291	11,950	54,181	44,867
TOTAL	2,362,761	1,426,627	168,313	420,011	347,810
POLETIMBER TREES	1,032,512	484,458	49,418	318,425	180,211
ALL GROWING-STOCK TREES	3,395,273	1,911,085	217,731	738,436	528,021
ROUGH TREES:					
SAWTIMBER-SIZE TREES	131,493	8,024	1,453	42,989	79,027
POLETIMBER-SIZE TREES	108,476	2,495	1,094	66,857	38,030
TOTAL	239,969	10,519	2,547	109,846	117,057
ROTTEN TREES:					
SAWTIMBER-SIZE TREES	32,140	--	2,328	13,279	16,533
POLETIMBER-SIZE TREES	3,515	--	222	2,115	1,178
TOTAL	35,655	--	2,550	15,394	17,711
SALVABLE DEAD TREES:					
SAWTIMBER-SIZE TREES	12,693	7,824	--	3,403	1,466
POLETIMBER-SIZE TREES	7,254	4,537	101	1,413	1,203
TOTAL	19,947	12,361	101	4,816	2,669
TOTAL, ALL TIMBER	3,690,844	1,933,965	222,929	868,492	665,458

TABLE 13.--*NUMBER OF GROWING-STOCK TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1981*

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	23,044	5,910	5,308	4,587	3,317	2,178	1,220	377	49	98	--
SLASH PINE	127,424	58,093	34,584	18,704	9,339	3,997	1,470	696	362	170	9
SHORTLEAF PINE	3,955	1,491	1,105	451	332	275	150	105	32	14	--
LOBLOLLY PINE	26,244	7,043	6,219	4,723	3,103	2,001	1,561	723	429	423	19
POND PINE	4,090	1,856	720	472	470	259	227	35	31	20	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	820	215	128	45	132	168	31	24	48	24	5
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	1,028	140	58	123	178	184	221	40	31	28	25
PONDCYPRESS	22,637	10,620	4,153	3,673	2,077	1,247	512	237	76	42	--
CEDARS	172	88	--	--	84	--	--	--	--	--	--
TOTAL SOFTWOODS	209,414	85,456	52,275	32,778	19,032	10,309	5,392	2,237	1,058	819	58
HARDWOOD:											
SELECT WHITE OAKS	2,594	1,044	583	332	277	192	59	26	20	61	--
SELECT RED OAKS	85	--	--	--	57	22	--	--	--	--	6
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	2,735	783	518	390	383	300	125	115	29	77	15
OTHER RED OAKS	35,060	14,501	7,711	5,186	2,787	1,906	1,020	685	439	710	115
HICKORY	2,168	275	768	411	328	167	45	64	69	37	4
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	249	--	190	33	26	--	--	--	--	--	--
SOFT MAPLE	7,822	3,586	2,026	835	443	435	303	61	72	61	--
BEECH	229	--	71	42	32	--	29	47	--	8	--
SWEETGUM	11,481	4,977	2,743	1,680	1,044	529	265	152	43	48	--
TUPELO AND BLACKGUM	47,463	20,343	10,267	6,774	5,012	2,599	1,443	552	240	222	11
ASH	1,229	--	592	229	185	120	14	56	9	24	--
COTTONWOOD	160	101	59	--	--	--	--	--	--	--	--
BASSWOOD	86	--	--	86	--	--	--	--	--	--	--
YELLOW-POPLAR	4,975	1,612	991	701	685	387	341	131	80	43	4
BAY AND MAGNOLIA	8,882	3,963	2,432	887	827	352	250	99	28	39	5
BLACK CHERRY	569	326	49	116	58	20	--	--	--	--	--
BLACK WALNUT	--	--	--	--	--	--	--	--	--	--	--
SYCAMORE	47	--	--	--	--	22	17	--	--	8	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	1,079	466	465	37	28	45	29	--	9	--	--
OTHER EASTERN HARDWOODS	601	216	201	49	33	63	--	28	--	8	3
TOTAL HARDWOODS	127,514	52,193	29,666	17,788	12,205	7,159	3,940	2,016	1,038	1,346	163
ALL SPECIES	336,928	137,649	81,941	50,566	31,237	17,468	9,332	4,253	2,096	2,165	221

TABLE 14.--*VOLUME OF ALL LIVE TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1981*

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	327,852	15,173	32,704	57,718	69,220	67,016	50,394	21,810	3,539	10,278	--
SLASH PINE	1,053,155	152,218	210,065	231,752	193,803	122,026	63,639	39,092	23,968	14,758	1,834
SHORTLEAF PINE	48,991	3,439	6,497	4,956	8,017	9,541	6,449	6,186	2,231	1,675	--
LOBLOLLY PINE	431,658	17,752	39,430	57,842	64,123	61,777	68,308	44,299	31,897	43,090	3,140
POND PINE	41,509	4,727	3,558	4,732	8,494	6,625	8,269	1,691	1,540	1,873	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	18,439	595	795	715	2,320	4,952	1,308	1,413	3,459	2,092	790
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	30,519	350	282	1,521	3,012	4,784	7,947	1,769	1,871	2,793	6,190
PONDCYPRESS	190,546	26,060	23,599	41,010	35,069	31,431	16,070	9,630	3,962	3,505	210
CEDARS	1,763	443	--	--	1,320	--	--	--	--	--	--
TOTAL SOFTWOODS	2,144,432	220,757	316,930	400,246	385,378	308,152	222,384	125,890	72,467	80,064	12,164
HARDWOOD:											
SELECT WHITE OAKS	32,123	3,353	3,594	4,011	5,128	4,530	2,159	1,698	1,229	6,421	--
SELECT RED OAKS	3,322	--	--	--	1,101	513	--	--	--	--	1,708
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	99,044	3,868	6,181	5,872	9,413	13,788	9,761	9,887	4,583	22,743	12,948
OTHER RED OAKS	431,238	43,463	51,856	54,945	47,003	48,765	38,412	31,795	25,576	65,760	23,663
HICKORY	32,868	769	4,544	4,067	5,675	4,561	1,593	3,060	4,155	3,681	763
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	2,088	--	1,276	415	397	--	--	--	--	--	--
SOFT MAPLE	104,540	20,674	19,633	12,029	9,059	15,758	12,340	4,708	4,719	5,620	--
BEECH	6,366	263	360	895	451	--	1,249	2,407	--	741	--
SWEETGUM	110,547	13,734	20,798	19,125	19,875	13,073	9,619	7,611	2,588	4,124	--
TUPELO AND BLACKGUM	473,260	61,381	73,805	74,765	89,001	65,408	49,084	25,650	12,783	19,850	1,533
ASH	22,975	568	5,664	2,604	3,545	3,001	898	2,952	835	2,908	--
COTTONWOOD	950	414	536	--	--	--	--	--	--	--	--
BASSWOOD	974	--	--	974	--	--	--	--	--	--	--
YELLOW-POPLAR	68,601	4,898	6,891	8,003	12,302	10,382	11,856	5,658	4,228	3,496	887
BAY AND MAGNOLIA	85,580	13,089	15,970	10,847	15,102	9,595	9,310	4,646	1,981	4,077	963
BLACK CHERRY	5,635	1,058	1,046	1,342	1,231	531	--	--	--	427	--
BLACK WALNUT	--	--	--	--	--	--	--	--	--	--	--
SYCAMORE	1,857	--	--	--	--	580	666	--	--	611	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	8,873	910	3,513	760	479	1,314	1,107	--	606	184	--
OTHER EASTERN HARDWOODS	35,624	10,264	8,176	3,613	4,906	3,876	1,271	918	946	806	848
TOTAL HARDWOODS	1,526,465	178,706	223,843	204,267	224,668	195,675	149,325	100,990	64,229	141,449	43,313
ALL SPECIES	3,670,897	399,463	540,773	604,513	610,046	503,827	371,709	226,880	136,696	221,513	55,477

TABLE 15.--*VOLUME OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1981*

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	327,386	15,173	32,596	57,718	68,862	67,016	50,394	21,810	3,539	10,278	--
SLASH PINE	1,051,103	151,866	210,065	231,271	192,584	122,026	63,639	39,092	23,968	14,758	1,834
SHORTLEAF PINE	48,865	3,439	6,371	4,956	8,017	9,541	6,449	6,186	2,231	1,675	--
LOBLOLLY PINE	424,712	17,242	38,410	57,042	63,440	60,304	67,541	43,499	31,897	42,197	3,140
POND PINE	40,580	4,348	3,558	4,732	8,494	6,625	7,719	1,691	1,540	1,873	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	18,439	595	795	715	2,320	4,952	1,308	1,413	3,459	2,092	790
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	29,520	350	282	1,521	3,012	4,784	7,947	1,769	1,871	2,526	5,458
PONDCYPRESS	186,448	25,767	22,576	40,580	35,069	30,168	15,739	9,630	3,730	3,189	--
CEDARS	1,763	443	--	--	1,320	--	--	--	--	--	--
TOTAL SOFTWOODS	2,128,816	219,223	314,653	398,535	383,118	305,416	220,736	125,090	72,235	78,588	11,222
HARDWOOD:											
SELECT WHITE OAKS	31,340	3,086	3,594	4,011	5,128	4,530	2,159	1,182	1,229	6,421	--
SELECT RED OAKS	3,322	--	--	--	1,101	513	--	--	--	--	1,708
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	37,156	1,712	2,575	3,420	4,666	6,452	4,097	4,544	1,425	5,814	2,451
OTHER RED OAKS	392,735	40,523	49,765	51,901	44,928	45,551	32,776	28,292	22,537	59,114	17,348
HICKORY	31,908	769	4,300	3,747	5,675	4,165	1,593	3,060	4,155	3,681	763
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	2,088	--	1,276	415	397	--	--	--	--	--	--
SOFT MAPLE	65,785	10,502	11,471	7,728	7,085	9,953	9,310	2,447	3,084	4,205	--
BEECH	5,664	--	360	456	451	--	1,249	2,407	--	741	--
SWEETGUM	104,003	10,994	18,231	18,827	19,359	13,073	9,619	7,611	2,588	3,701	--
TUPELO AND BLACKGUM	410,219	50,856	60,657	66,600	79,251	58,234	44,315	21,992	11,340	15,724	1,250
ASH	20,318	--	4,516	2,604	3,351	3,001	607	2,952	582	2,705	--
COTTONWOOD	950	414	536	--	--	--	--	--	--	--	--
BASSWOOD	974	--	--	974	--	--	--	--	--	--	--
YELLOW-POPLAR	67,140	4,393	6,891	8,003	11,691	10,382	11,856	5,658	4,228	3,496	542
BAY AND MAGNOLIA	73,107	10,053	14,143	9,482	13,583	8,653	8,190	4,064	1,509	2,725	705
BLACK CHERRY	4,605	1,058	443	1,342	1,231	531	--	--	--	--	--
BLACK WALNUT	--	--	--	--	--	--	--	--	--	--	--
SYCAMORE	1,857	--	--	--	--	580	666	--	--	611	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	7,660	910	2,813	431	479	1,314	1,107	--	606	--	--
OTHER EASTERN HARDWOODS	5,626	472	1,010	372	412	1,407	--	902	--	606	445
TOTAL HARDWOODS	1,266,457	135,742	182,581	180,313	198,788	168,339	127,544	85,111	53,283	109,544	25,212
ALL SPECIES	3,395,273	354,965	497,234	578,848	581,906	473,755	348,280	210,201	125,518	188,132	36,434

TABLE 16.--*VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1981*

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	1,438,552	232,763	332,085	359,640	289,543	132,776	22,602	69,143	--
SLASH PINE	3,238,045	860,565	884,385	632,307	362,022	235,624	151,256	98,612	13,274
SHORTLEAF PINE	200,347	18,068	37,129	48,631	35,577	36,244	13,665	11,033	--
LOBLOLLY PINE	1,914,307	200,454	279,850	304,830	373,005	257,305	198,716	277,883	22,264
POND PINE	162,050	17,552	37,727	33,320	42,137	9,896	9,313	12,105	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--
TABLE-MOUNTAIN PINE	--	--	--	--	--	--	--	--	--
SPRUCE PINE	85,121	3,153	10,693	24,070	6,547	7,249	18,053	11,054	4,302
SAND PINE	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--
BALDCYPRESS	143,963	4,255	10,950	20,664	38,289	8,973	10,191	14,903	35,738
PONDCYPRESS	561,848	125,952	136,767	133,934	76,016	50,103	20,369	18,707	--
CEDARS	6,214	--	6,214	--	--	--	--	--	--
TOTAL SOFTWOODS	7,750,447	1,462,762	1,735,800	1,557,396	1,223,136	738,170	444,165	513,440	75,578
HARDWOOD:									
SELECT WHITE OAKS	91,831	--	16,409	17,946	9,498	5,776	6,479	35,723	--
SELECT RED OAKS	17,895	--	3,945	2,082	--	--	--	--	11,868
CHESTNUT OAK	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	141,783	--	16,318	26,972	19,262	22,733	7,555	33,334	15,609
OTHER RED OAKS	1,236,803	--	167,995	196,602	156,712	143,854	119,844	342,914	108,882
HICKORY	105,496	--	19,549	16,742	7,278	15,010	21,727	20,470	4,720
YELLOW BIRCH	--	--	--	--	--	--	--	--	--
HARD MAPLE	1,484	--	1,484	--	--	--	--	--	--
SOFT MAPLE	144,410	--	22,200	36,771	38,516	11,094	14,450	21,379	--
BEECH	19,189	--	1,631	--	4,902	9,606	--	3,050	--
SWEETGUM	246,316	--	69,267	54,335	46,444	39,920	14,404	21,946	--
TUPELO AND BLACKGUM	935,918	--	249,381	226,846	196,555	106,958	58,819	89,106	8,253
ASH	56,715	--	11,029	11,460	2,639	13,922	2,922	14,743	--
COTTONWOOD	--	--	--	--	--	--	--	--	--
BASSWOOD	--	--	--	--	--	--	--	--	--
YELLOW-POPLAR	222,399	--	41,212	44,866	57,838	29,585	23,926	21,353	3,619
BAY AND MAGNOLIA	166,735	--	44,281	34,461	37,639	20,611	8,201	16,043	5,499
BLACK CHERRY	6,453	--	4,378	2,075	--	--	--	--	--
BLACK WALNUT	--	--	--	--	--	--	--	--	--
SYCAMORE	8,141	--	--	2,133	2,790	--	--	3,218	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--
ELM	14,382	--	1,555	5,179	4,750	--	2,898	--	--
OTHER EASTERN HARDWOODS	16,113	--	814	5,385	--	3,804	--	3,030	3,080
TOTAL HARDWOODS	3,432,063	--	671,448	683,855	584,823	422,873	281,225	626,309	161,530
ALL SPECIES	11,182,510	1,462,762	2,407,248	2,241,251	1,807,959	1,161,043	725,390	1,139,749	237,108

TABLE 17.--*NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES, 1980*

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
	- - *THOUSAND CUBIC FEET* - -	
SOFTWOOD:		
YELLOW PINES	159,782	129,479
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	6,612	936
OTHER EASTERN SOFTWOODS	92	--
TOTAL SOFTWOODS	166,486	130,415
HARDWOOD:		
SELECT WHITE AND RED OAKS	1,128	1,089
OTHER WHITE AND RED OAKS	25,304	14,253
HICKORY	1,590	190
YELLOW BIRCH	--	--
HARD MAPLE	40	--
SWEETGUM	6,406	2,707
ASH, WALNUT, AND BLACK CHERRY	1,364	506
YELLOW-POPLAR	5,056	2,624
TUPELO AND BLACKGUM	10,757	4,453
BAY AND MAGNOLIA	2,428	1,423
OTHER EASTERN HARDWOODS	4,892	2,599
TOTAL HARDWOODS	58,965	29,844
ALL SPECIES	225,451	160,259

TABLE 18.--*NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1980*

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
	- - - *THOUSAND BOARD FEET* - - -	
SOFTWOOD:		
YELLOW PINES	660,922	505,240
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	26,217	1,915
OTHER EASTERN SOFTWOODS	341	--
TOTAL SOFTWOODS	687,480	507,155
HARDWOOD:		
SELECT WHITE AND RED OAKS	4,482	4,657
OTHER WHITE AND RED OAKS	83,189	30,225
HICKORY	5,346	607
YELLOW BIRCH	--	--
HARD MAPLE	160	--
SWEETGUM	25,224	3,617
ASH, WALNUT, AND BLACK CHERRY	4,747	1,628
YELLOW-POPLAR	20,038	13,548
TUPELO AND BLACKGUM	32,353	18,672
BAY AND MAGNOLIA	6,111	5,157
OTHER EASTERN HARDWOODS	8,913	7,875
TOTAL HARDWOODS	190,563	85,986
ALL SPECIES	878,043	593,141

TABLE 19.--*MORTALITY OF GROWING STOCK AND SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1980*

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	*THOUSAND BOARD FEET*
SOFTWOOD:		
YELLOW PINES	20,166	65,981
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	165	--
OTHER EASTERN SOFTWOODS	--	--
TOTAL SOFTWOODS	20,331	65,981
HARDWOOD:		
SELECT WHITE AND RED OAKS	129	--
OTHER WHITE AND RED OAKS	3,816	11,479
HICKORY	--	--
YELLOW BIRCH	--	--
HARD MAPLE	125	611
SWEETGUM	3,950	12,252
ASH, WALNUT, AND BLACK CHERRY	101	--
YELLOW-POPLAR	1,303	3,325
TUPELO AND BLACKGUM	1,346	5,330
BAY AND MAGNOLIA	373	1,147
OTHER EASTERN HARDWOODS	1,542	3,680
TOTAL HARDWOODS	12,685	37,824
ALL SPECIES	33,016	103,805

TABLE 24.--*AVERAGE NET VOLUME PER ACRE OF SAWTIMBER, GROWING STOCK, AND OTHER LIVE TIMBER[1] ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS, MAJOR FOREST TYPE, AND SPECIES GROUP, 1981*

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	4,399	1,279	3,443	922	5,495	1,914	3,023	1,091	5,277	1,437	3,651	1,102
HARDWOOD	167	70	194	60	--	29	59	28	221	93	137	56
TOTAL	4,566	1,349	3,637	982	5,495	1,943	3,082	1,119	5,498	1,530	3,788	1,158
OTHER TIMBER:												
SOFTWOOD	--	6	--	--	--	--	--	2	--	7	--	7
HARDWOOD	--	16	--	42	--	--	--	4	--	21	--	13
TOTAL	--	22	--	42	--	--	--	6	--	28	--	20
OAK-PINE TYPES:												
GROWING STOCK:												
SOFTWOOD	3,095	709	--	--	--	--	3,138	655	3,017	708	3,214	727
HARDWOOD	833	358	--	--	--	--	1,479	495	691	340	863	343
TOTAL	3,928	1,067	--	--	--	--	4,617	1,150	3,708	1,048	4,077	1,070
OTHER TIMBER:												
SOFTWOOD	--	11	--	--	--	--	--	--	--	15	--	10
HARDWOOD	--	103	--	--	--	--	--	67	--	125	--	80
TOTAL	--	114	--	--	--	--	--	67	--	140	--	90
UPLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	542	113	--	--	--	--	128	47	601	115	507	120
HARDWOOD	1,813	610	--	--	1,761	564	1,012	540	1,977	706	1,646	466
TOTAL	2,355	723	--	--	1,761	564	1,140	587	2,578	821	2,153	586
OTHER TIMBER:												
SOFTWOOD	--	2	--	--	--	--	--	--	--	4	--	--
HARDWOOD	--	176	--	--	--	633	--	154	--	204	--	125
TOTAL	--	178	--	--	--	633	--	154	--	208	--	125
BOTTOMLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	1,683	424	--	--	820	179	1,626	354	1,558	410	2,053	496
HARDWOOD	3,271	1,202	--	--	1,615	727	2,933	1,160	3,213	1,228	3,627	1,193
TOTAL	4,954	1,626	--	--	2,435	906	4,559	1,514	4,771	1,638	5,680	1,689
OTHER TIMBER:												
SOFTWOOD	--	6	--	--	--	--	--	--	--	3	--	14
HARDWOOD	--	199	--	--	--	72	--	191	--	198	--	214
TOTAL	--	205	--	--	--	72	--	191	--	201	--	228
ALL TYPES:												
GROWING STOCK:												
SOFTWOOD	2,940	807	3,443	922	2,290	738	2,651	865	3,176	839	2,637	729
HARDWOOD	1,302	480	194	60	1,092	477	737	292	1,420	548	1,320	433
TOTAL	4,242	1,287	3,637	982	3,382	1,215	3,388	1,157	4,596	1,387	3,957	1,162
OTHER TIMBER:												
SOFTWOOD	--	6	--	--	--	--	--	1	--	6	--	8
HARDWOOD	--	99	--	42	--	108	--	49	--	114	--	89
TOTAL	--	105	--	42	--	108	--	50	--	120	--	97
ALL TIMBER	4,242	1,392	3,637	1,024	3,382	1,323	3,388	1,207	4,596	1,507	3,957	1,259

[1] ROUGH AND ROTTEN TREES.

TABLE 25.--*LAND AREA, BY CLASS, MAJOR FOREST TYPE, AND SURVEY COMPLETION DATE, 1960, 1971, AND 1981*

LAND USE CLASS	SURVEY COMPLETION DATE			CHANGE
	1960	1971	1981	1971-1981
	ACRES			
FOREST LAND:				
COMMERCIAL FOREST LAND:				
PINE AND OAK-PINE TYPES	1,988,900	1,789,378	1,536,374	-253,004
HARDWOOD TYPES	1,075,600	1,094,453	1,099,946	+ 5,493
TOTAL	3,064,500	2,883,831	2,636,320	-247,511
NONCOMMERCIAL FOREST LAND:				
PRODUCTIVE-RESERVED	--	5,500	6,877	+ 1,377
UNPRODUCTIVE	--	7,309	--	- 7,309
TOTAL	--	12,809	6,877	- 5,932
NONFOREST LAND:				
CROPLAND	1,985,800	1,917,014	2,224,066	+307,052
PASTURE AND RANGE	396,900	445,694	387,249	- 58,445
OTHER	168,500	337,769	342,605	+ 4,836
TOTAL	2,551,200	2,700,477	2,953,920	+253,443
ALL LAND[1]	5,615,700	5,597,117	5,597,117	--

[1] EXCLUDES ALL WATER AREAS.

TABLE 26.--*VOLUME[1] OF SAWTIMBER, GROWING STOCK, AND ALL LIVE TIMBER ON COMMERCIAL FOREST LAND, BY SPECIES GROUP, DIAMETER CLASS, AND SURVEY COMPLETION DATE*

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	1960	4,828,806	--	--	1,083,413	1,165,196	1,032,955	621,794	451,745	235,956	237,747
	1971	6,439,288	--	--	1,165,574	1,509,965	1,466,870	999,269	609,479	300,612	387,519
	1981	7,750,447	--	--	1,462,762	1,735,800	1,557,396	1,223,136	738,170	444,165	589,018
HARDWOOD	1960	2,455,116	--	--	--	571,078	562,384	376,827	310,430	217,279	417,118
	1971	2,797,710	--	--	--	557,319	554,938	480,274	322,592	273,358	609,229
	1981	3,432,063	--	--	--	671,448	683,855	584,823	422,873	281,225	787,839
GROWING STOCK (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1960	1,356,847	131,949	206,552	295,208	257,161	202,580	112,217	76,554	38,373	36,253
	1971	1,854,594	250,218	274,247	317,595	333,252	287,678	180,341	103,284	48,888	59,091
	1981	2,128,816	219,223	314,653	398,535	383,118	305,416	220,736	125,090	72,235	89,810
HARDWOOD	1960	952,427	92,391	136,210	159,127	169,058	138,450	82,187	62,486	41,167	71,351
	1971	1,059,501	106,618	157,046	168,547	164,985	136,617	104,749	64,934	51,792	104,213
	1981	1,266,457	135,742	182,581	180,313	198,788	168,339	127,544	85,111	53,283	134,756
ALL LIVE TIMBER (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1960	1,365,748	132,460	207,937	296,350	258,739	204,397	113,061	77,017	38,511	37,276
	1971	1,866,984	251,185	276,085	318,821	335,291	290,240	181,674	103,937	49,038	60,713
	1981	2,144,432	220,757	316,930	400,246	385,378	308,152	222,384	125,890	72,467	92,228
HARDWOOD	1960	1,138,714	121,677	167,002	180,119	191,102	160,946	96,226	74,168	49,653	97,821
	1971	1,274,113	140,417	192,542	190,789	186,501	158,811	122,631	77,072	62,451	142,899
	1981	1,526,465	178,706	223,843	204,267	224,668	195,675	149,325	100,990	64,229	184,762

[1] 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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