

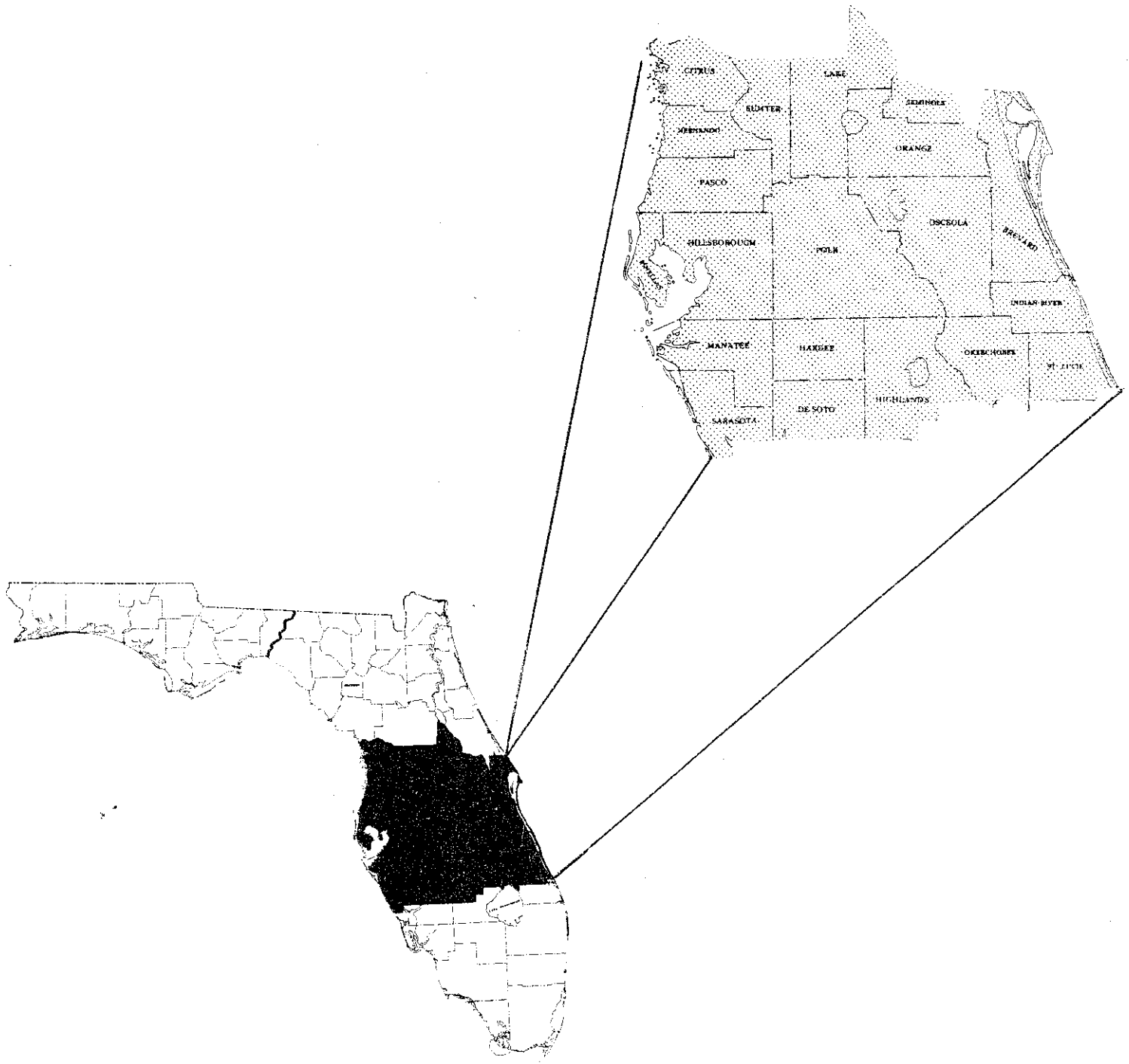
United States
Department
of Agriculture



Southeastern Forest
Experiment Station

Forest Service
Resource Bulletin
SE-55

Forest Statistics for Central Florida, 1980



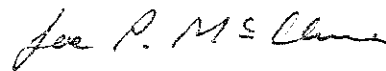
FOREWORD

This report highlights the principal findings of the fifth forest survey of Central Florida. Fieldwork began in December 1979 and was completed in March 1980. Four previous surveys, completed in 1936, 1949, 1959, and 1970, provide statistics for measuring changes and trends over the past 44 years. The primary emphasis in this report is on the changes and trends since 1970. Previously reported figures have been adjusted to provide the best estimate of change.

Renewable Resources Evaluation (formerly Forest Survey) is authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. The survey is a continuing, nationwide undertaking by the regional experiment stations of the Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, Renewable Resources Evaluation is administered through the Southeastern Forest Experiment Station, with headquarters in Asheville, North Carolina. The primary objective of the survey is to periodically inventory and evaluate forest and related resources. These inventories provide information on the extent and condition of forest lands, volume of timber, and rates of timber growth and removals. These data and evaluations help provide a basis for formulating forest policies and programs and for the orderly development and use of the resources.

The 20-county area covered by this report is one of four survey units in Florida. Similar reports, USDA Forest Service Resource Bulletins SE-52 and SE-53, have been issued for Northwest and Northeast Florida. A comparable report for South Florida will be issued as processing of the statewide survey progresses. When completed, this survey will provide updated statistics on the forest resource for all of Florida.

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



JOE P. McCLURE
Project Leader

March 1981
Southeastern Forest Experiment Station
Asheville, North Carolina

FOREST STATISTICS

FOR

CENTRAL FLORIDA,

1980

by

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HIGHLIGHTS

Since 1970 in Central Florida

☐ *area of commercial forest land has decreased by 202,000 acres, or by about 8 percent.* This loss represents some slowdown in the rate of diversion of commercial forest land to nonforest uses from that found in previous inventories. About 399,000 acres were diverted to other land uses since 1970, while 197,000 acres were added to the commercial forest land base. Over 62 percent of the diversions were to urban land uses, about 25 percent to agricultural uses, and most of the remaining 13 percent to noncommercial forests. Commercial forests now occupy 2.5 million acres, or 25 percent of the land area in this 20-county area.

☐ *area of commercial forest land owned by farmers has decreased by 369,000 acres, or by 47 percent.* Miscellaneous private owners have increased their holdings by 4 percent. They now own 1.7 million acres—68 percent of all commercial forests. Over 59 percent of the commercial forests in this ownership group are owned by corporations other than forest industries. Public agencies control 351,000 acres—9 percent more than in 1970. Forest industries own only 42,000 acres in Central Florida.

☐ *man-related activities and natural disturbances have occurred on about 49 percent of the commercial forest acreage.* Prescribed burning was the predominant activity, occurring on an estimated 443,000 acres, followed by grazing on about 170,000 acres and final harvests on 169,000 acres. Almost 87 percent of the harvested acres did not have adequate stocking of suitable species when the survey was made. Only 55,000 acres have been artificially regenerated. Only one-fourth of this planting activity occurred following harvest operations; most of the planting occurred on nonforest land and poorly stocked commercial forest land. Intermediate cutting occurred on 115,000 acres. Wildfires, disease, weather, insects, and other natural destructive agents caused significant damage on 165,000 acres.

☐ *the decline in area of commercial forest land occurred in the pine and hardwood forest-type groups.* Oak-pine types increased by 25,000 acres, or 11 percent. Pine types decreased by 130,000 acres, or by 16 percent. Land clearing accounted for over 57 percent of this net loss. Hardwood types, which cover 1.5 million acres in the region, have decreased by 97,000 acres. Land clearing was also the major contributor to this decline. The hardwood types include nearly 100,000 acres of palm and other tropical forest types.

☐ *average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 46 to 60 square feet per acre of commercial forest land.* Rough and rotten trees make up over 21 percent of this stocking. Almost 54 percent of the commercial forests are nonstocked or poorly stocked with growing-stock trees. The number of 2- and 4-inch softwoods has decreased by 18 and 5 percent, respectively, while 2- and 4-inch hardwoods increased by 50 and 9 percent, respectively.

☐ *volume of softwood growing stock has increased from 1.1 to 1.3 billion cubic feet, or by 19 percent.* Cypress volume, which accounts for 57 percent of the inventory, increased by 16 percent. Slash pine, the second leading species, increased in volume by 39 percent. The softwood volume increase occurred across the entire range of diameter classes. The current inventory of softwood growing stock includes 4.1 billion board feet of sawtimber, 27 percent more than in 1970.

☐ *volume of hardwood growing stock has increased from 0.8 to 1.0 billion cubic feet, or by 24 percent.* The increase occurred across the entire range of diameter classes. All the major hardwood species showed gains in volume. The soft maples have replaced blackgum and tupelo as the leading hardwood species in terms of growing-stock volume. The current inventory of hardwood growing stock includes 2.9 billion board feet of sawtimber, up by 30 percent. Red and white oak species are the leading hardwoods in terms of sawtimber volume.

In 1979

☐ *net annual growth of growing stock totaled 96 million cubic feet, an average of 39 cubic feet per acre of commercial forest land.* Net growth exceeded removals by 80 percent for softwoods and by 229 percent for hardwoods. This growth surplus was found in all ownership classes. Yellow pines accounted for 45 percent of the net growth, other softwoods 22 percent, and hardwoods the remaining 33 percent. The net growth of all species included 382 million board feet of sawtimber.

☐ *removals of growing stock totaled 46 million cubic feet and included 177 million board feet of sawtimber.* Softwood species accounted for 79 percent of the growing-stock removals. Softwood removals have increased by 9 percent since the last inventory, while hardwood removals have declined by 38 percent. Pulpwood production has decreased from an average annual harvest of 178,000 cords for the 5 years prior to the last inventory to 87,000 cords for the 5 years prior to this latest inventory.

☐ *mortality of growing stock totaled 24 million cubic feet and included 77 million board feet of sawtimber.* Softwoods accounted for 53 percent of the mortality. The leading identifiable causes of death were weather, fire, disease, suppression, and insects. Mortality reduced gross growth by 20 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 20,076 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 4,233 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 873 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 10 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 964 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):

	<i>Percent</i>
Per million acres of commercial forest land.....	1.91
Per billion cubic feet of growing stock	6.20
Per billion cubic feet of net annual growth.....	1.29
Per billion cubic feet of annual removals.....	2.30

*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
- - - - - <i>SAMPLING ERROR</i> ² - - - - -				
BREVARD	6.34	18.10	19.79	58.62
CITRUS	3.00	16.41	22.30	40.28
DE SOTO	8.24	31.91	29.18	69.31
HARDEE	6.04	16.66	20.36	39.00
HERNANDO	3.52	16.12	15.70	39.18
HIGHLANDS	6.67	23.15	26.42	71.72
HILLSBOROUGH	5.53	17.80	16.39	43.22
INDIAN RIVER	10.34	42.36	30.25	100.53
LAKE	3.24	11.15	11.20	30.09
MANATEE	7.33	36.44	33.89	100.00
OKEECHOBEE	8.97	22.58	28.35	100.30
ORANGE	4.49	14.25	14.01	36.09
OSCEOLA	4.27	12.51	10.60	32.49
PASCO	4.36	14.08	12.93	46.85
PINELLAS	12.89	46.54	45.90	53.25
POLK	3.86	12.02	11.42	27.09
ST. LUCIE	9.46	25.96	33.92	46.03
SARASOTA	8.85	21.63	26.49	44.79
SEMINOLE	5.55	19.66	16.16	50.24
SUMTER	4.07	14.61	14.26	38.69
UNIT TOTAL	1.22	4.11	4.16	10.75

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 (4-1/2 feet above the ground). D.b.h. is the common abbreviation for "diameter at breast height." Two-inch-diameter classes are commonly used in Forest Survey, 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, comprises 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.--Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprises 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, comprises 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 Forest Survey 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 1/4-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 scale-like 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 12.)

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	62.9	61.0	68.2	60.0
8	71.1	68.1	76.0	68.4
10	76.0	73.1	81.4	73.4
12	78.8	76.7	85.2	76.4
14	81.0	79.4	88.2	78.4
16	82.2	81.6	90.4	79.8
18	83.1	83.3	92.3	80.8
20	83.2	84.8	93.8	81.5
22	84.6	86.0	95.1	82.1
24+	84.9	87.0	97.8	83.3
AVERAGE	76.3	73.8	80.9	74.9

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 LAND CLASS AND COUNTY, 1980

COUNTY	ALL LAND ¹	FOREST LAND				NONFOREST LAND ²
		TOTAL	COMMERCIAL FOREST	UNPRODUCTIVE FOREST	PRODUCTIVE-RESERVED	
				ACRES		
BREVARD	658,846	128,103	119,334	8,739	30	530,743
CITRUS	390,791	236,798	236,229	--	569	153,993
DE SOTO	405,498	51,980	51,980	--	--	353,518
HARDEE	408,445	86,999	86,492	--	507	321,446
HERNANDO	313,240	179,228	179,228	--	--	134,012
HIGHLANDS	661,215	101,984	95,709	3,042	3,233	559,231
HILLSBOROUGH	670,891	145,958	134,226	7,391	4,341	524,933
INDIAN RIVER	320,367	44,071	36,925	7,146	--	276,296
LAKE	640,554	269,376	263,130	3,159	3,087	371,178
MANATEE	479,858	66,378	55,501	5,666	5,211	413,480
OKEECHOBEE	495,998	42,120	40,534	1,586	--	453,878
ORANGE	584,937	203,638	179,487	--	24,151	381,299
OSCEOLA	867,706	202,656	193,644	--	9,012	665,050
PASCO	483,683	163,832	163,497	157	178	319,851
PINELLAS	180,310	32,054	23,061	7,677	1,316	148,256
POLK	1,191,263	271,189	254,021	14,438	2,730	920,074
ST. LUCIE	368,443	53,325	51,504	1,586	235	315,118
SARASOTA	369,620	65,159	55,277	1,132	8,750	304,461
SEMINOLE	199,572	90,968	89,037	--	1,931	108,604
SUMTER	364,897	170,486	164,859	5,567	60	194,411
TOTAL	10,056,134	2,606,302	2,473,675	67,286	65,341	7,449,832

¹FROM U. S. BUREAU OF THE CENSUS AND U. S. GEOLOGICAL SURVEY.

²INCLUDES 139,404 ACRES OF WATER ACCORDING TO SURVEY STANDARDS OF AREA CLASSIFICATION, BUT DEFINED BY THE GEOLOGICAL SURVEY AND BUREAU OF THE CENSUS AS LAND.

TABLE 2. --AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND COUNTY, 1980

COUNTY	ALL OWNERSHIPS	OWNERSHIP CLASS							MISCELLANEOUS PRIVATE	
		NATIONAL FOREST	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	FOREST INDUSTRY ¹	FARMER	CORPORATE	INDIVIDUAL	
- - - - - ACRES - - - - -										
BREVARD	119,334	--	22,210	--	463	7,200	26,598	33,847	29,016	
CITRUS	236,229	--	3,233	40,804	342	--	13,714	84,885	93,251	
DE SOTO	51,980	--	31	731	130	--	20,435	22,989	7,664	
HARDEE	86,492	--	--	675	76	--	36,746	44,912	4,083	
HERNANDO	179,228	--	3,529	32,430	1,887	--	10,876	70,691	59,815	
HIGHLANDS	95,709	--	22,500	978	355	--	11,980	35,937	23,959	
HILLSBOROUGH	134,226	--	930	15,628	2,422	--	2,680	72,364	40,202	
INDIAN RIVER	36,925	--	--	517	446	--	14,983	8,991	11,988	
LAKE	263,130	64,104	280	13,180	356	318	35,952	66,767	82,173	
MANATEE	55,501	--	--	88	--	--	12,315	27,708	15,390	
OKEECHOBEE	40,534	--	--	187	--	--	27,933	6,207	6,207	
ORANGE	179,487	--	540	200	854	--	18,402	88,949	70,542	
OSCEOLA	193,644	--	--	5,900	314	--	39,600	110,873	36,957	
PASCO	163,497	--	--	21,780	1,881	29,169	33,203	44,263	33,201	
PINELLAS	23,061	--	--	--	573	--	4,497	13,493	4,498	
POLK	254,021	--	15,000	17,965	1,862	--	49,029	115,366	54,799	
ST. LUCIE	51,504	--	--	76	158	--	3,016	39,207	9,047	
SARASOTA	55,277	--	--	--	44	--	2,301	27,619	25,313	
SEMINOLE	89,037	--	157	--	1,188	--	19,802	25,456	42,434	
SUMTER	164,859	--	110	53,522	--	5,360	24,010	48,016	33,841	
TOTAL	2,473,675	64,104	68,520	204,661	13,351	42,047	408,072	988,540	684,380	

¹ NOT INCLUDING 15,176 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, 1980

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										
BREVARD	119,334	--	--	48,982	9,672	--	11,696	48,984	--	--
CITRUS	236,229	--	--	51,132	5,486	42,413	79,472	49,008	8,718	--
DE SOTO	51,980	--	--	10,216	--	2,554	12,805	26,405	--	--
HARDEE	86,492	--	--	16,331	--	8,166	4,834	57,161	--	--
HERNANDO	179,228	--	--	30,898	19,033	26,292	78,986	24,019	--	--
HIGHLANDS	95,709	--	--	28,473	--	7,986	10,486	48,764	--	--
HILLSBOROUGH	134,226	--	--	17,010	5,102	16,080	21,442	74,592	--	--
INDIAN RIVER	36,925	--	--	15,429	--	8,991	5,994	6,511	--	--
LAKE	263,130	--	--	63,048	39,163	33,368	25,673	94,178	7,700	--
MANATEE	55,501	--	--	9,235	6,158	3,078	9,236	27,794	--	--
OKEECHOBEE	40,534	--	--	12,415	--	--	--	25,016	3,103	--
ORANGE	179,487	--	--	44,533	24,536	6,134	15,335	88,949	--	--
OSCEOLA	193,644	--	--	34,320	5,279	10,559	21,120	122,366	--	--
PASCO	163,497	--	--	28,574	--	14,177	43,258	77,488	--	--
PINELLAS	23,061	--	--	9,568	--	8,996	--	4,497	--	--
POLK	254,021	--	--	51,095	2,885	20,188	32,847	141,238	5,768	--
ST. LUCIE	51,504	--	--	27,219	3,016	3,016	--	18,253	--	--
SARASOTA	55,277	--	--	20,714	--	2,301	2,301	29,961	--	--
SEMINOLE	89,037	--	--	17,129	--	19,802	19,801	32,305	--	--
SUMTER	164,859	--	--	37,992	12,003	12,922	34,351	65,361	2,230	--
TOTAL	2,473,675	--	--	574,313	132,333	247,023	429,637	1,062,850	27,519	--

¹ INCLUDES 99,813 ACRES OF PALM AND OTHER TROPICAL FOREST TYPES.

TABLE 4. --AREA OF COMMERCIAL FOREST LAND, BY STAND-SIZE CLASS
AND COUNTY, 1980

COUNTY	ALL STANDS	STAND-SIZE CLASS			NONSTOCKED AREAS
		SAWTIMBER	POLETIMBER	SAPLING- SEEDLING	
- - - - - ACRES - - - - -					
BREVARD	119,334	37,451	21,990	27,386	32,507
CITRUS	236,229	68,630	30,027	61,542	76,030
DE SOTO	51,980	26,405	--	7,663	17,912
HARDEE	86,492	57,160	4,083	12,325	12,924
HERNANDO	179,228	47,213	48,488	39,662	43,865
HIGHLANDS	95,709	39,285	16,979	22,466	16,979
HILLSBOROUGH	134,226	59,590	26,393	32,162	16,081
INDIAN RIVER	36,925	14,985	6,439	5,994	9,507
LAKE	263,130	112,817	43,258	58,277	48,778
MANATEE	55,501	24,629	6,245	12,314	12,313
OKEECHOBEE	40,534	25,017	6,207	6,207	3,103
ORANGE	179,487	58,477	52,679	37,659	30,672
OSCEOLA	193,644	90,373	47,517	34,634	21,120
PASCO	163,497	70,763	37,186	12,291	43,257
PINELLAS	23,061	5,070	8,995	4,498	4,498
POLK	254,021	105,889	66,336	47,187	34,609
ST. LUCIE	51,504	21,270	12,063	6,108	12,063
SARASOTA	55,277	13,809	11,507	11,508	18,453
SEMINOLE	89,037	42,589	12,503	22,630	11,315
SUMTER	164,859	85,813	25,595	22,738	30,713
TOTAL	2,473,675	1,007,235	484,490	485,251	496,699

TABLE 5. --AREA OF COMMERCIAL FOREST LAND, BY SITE CLASS AND COUNTY, 1980

COUNTY	ALL CLASSES	SITE CLASS				
		1	2	3	4	5
-- -- -- -- -- ACRES -- -- -- -- --						
BREVARD	119,334	--	--	4,836	58,205	56,293
CITRUS	236,229	--	--	10,609	93,532	132,088
DE SOTO	51,980	--	--	--	26,406	25,574
HARDEE	86,492	--	--	8,165	45,664	32,663
HERNANDO	179,228	2,719	--	13,371	95,252	67,886
HIGHLANDS	95,709	--	--	--	41,785	53,924
HILLSBOROUGH	134,226	--	2,680	2,680	79,692	49,174
INDIAN RIVER	36,925	--	--	2,996	20,978	12,951
LAKE	263,130	--	2,568	25,668	155,775	79,119
MANATEE	55,501	--	--	--	24,629	30,872
OKEECHOBEE	40,534	--	--	--	28,119	12,415
ORANGE	179,487	--	--	854	95,624	83,009
OSCEOLA	193,644	--	5,280	5,280	106,526	76,558
PASCO	163,497	--	--	22,162	88,899	52,436
PINELLAS	23,061	--	--	--	13,493	9,568
POLK	254,021	--	--	--	160,608	93,413
ST. LUCIE	51,504	--	--	3,016	30,393	18,095
SARASOTA	55,277	--	--	--	27,619	27,658
SEMINOLE	89,037	--	--	5,658	60,749	22,630
SUMTER	164,859	--	--	14,695	134,159	16,005
TOTAL	2,473,675	2,719	10,528	119,990	1,388,107	952,331

TABLE 6. --AREA OF COMMERCIAL FOREST LAND, BY STOCKING CLASSES OF GROWING-STOCK TREES, BY COUNTY, 1980

COUNTY	ALL CLASSES	STOCKING PERCENTAGE ¹				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
-- -- -- -- -- ACRES -- -- -- -- --						
BREVARD	119,334	4,835	22,941	30,036	29,015	32,507
CITRUS	236,229	5,485	20,323	31,076	103,315	76,030
DE SOTO	51,980	--	3,286	130	30,652	17,912
HARDEE	86,492	--	8,166	32,739	32,663	12,924
HERNANDO	179,228	2,719	13,371	56,645	62,628	43,865
HIGHLANDS	95,709	2,500	20,972	23,443	31,815	16,979
HILLSBOROUGH	134,226	23,970	13,142	34,691	46,342	16,081
INDIAN RIVER	36,925	2,997	2,997	3,443	17,981	9,507
LAKE	263,130	5,415	58,299	78,824	71,814	48,778
MANATEE	55,501	--	3,079	9,237	30,872	12,313
OKEECHOBEE	40,534	3,104	12,415	12,601	9,311	3,103
ORANGE	179,487	9,201	39,872	39,973	59,769	30,672
OSCEOLA	193,644	29,037	47,515	40,219	55,753	21,120
PASCO	163,497	11,946	40,985	40,839	26,470	43,257
PINELLAS	23,061	--	4,498	8,995	5,070	4,498
POLK	254,021	25,545	54,059	61,556	78,252	34,609
ST. LUCIE	51,504	--	3,092	12,064	24,285	12,063
SARASOTA	55,277	--	--	11,507	25,317	18,453
SEMINOLE	89,037	--	9,673	25,459	42,590	11,315
SUMTER	164,859	22,450	27,019	37,403	47,274	30,713
TOTAL	2,473,675	149,204	405,704	590,880	831,188	496,699

¹ SEE STOCKING STANDARDS ON PAGE 12.

TABLE 7. -- VOLUME 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				
BREVARD	266,132	103,247	26,908	45,573	90,404	84,622	42,894	11,085	13,493	17,150
CITRUS	427,591	144,670	136,817	60,941	85,163	119,459	38,008	34,400	20,296	26,755
DE SOTO	87,027	19,565	16,258	31,036	20,168	27,211	4,705	4,871	12,819	4,816
HARDEE	378,846	152,193	83,712	30,026	112,915	95,509	33,857	25,055	11,641	24,956
HERNANDO	419,278	93,464	18,852	140,837	166,125	132,944	30,442	4,771	50,563	47,168
HIGHLANDS	308,135	73,197	143,774	68,106	23,058	90,004	20,142	35,122	27,172	7,568
HILLSBOROUGH	500,689	82,370	195,441	88,347	134,531	170,325	21,912	84,314	29,620	34,479
INDIAN RIVER	121,731	60,914	48,930	--	11,887	29,196	14,634	12,241	2,216	2,105
LAKE	676,479	302,469	127,659	154,184	92,167	227,430	80,141	57,185	62,276	27,828
MANATEE	120,573	43,717	--	57,083	19,773	29,778	8,993	--	16,361	4,424
OKEECHOBEE	154,012	28,146	56,287	62,226	7,353	52,896	11,893	16,369	22,474	2,160
ORANGE	468,011	128,876	161,675	141,237	38,223	169,505	39,688	62,975	54,470	12,372
OSCEOLA	739,244	189,696	371,212	122,142	56,194	249,107	41,032	139,337	48,379	20,359
PASCO	590,663	157,638	174,847	94,167	164,011	204,303	41,239	77,159	39,727	46,178
PINELLAS	52,553	28,287	18,647	5,619	--	16,934	8,449	6,671	1,814	--
POLK	723,630	186,009	251,158	155,241	131,222	272,578	47,669	119,688	68,615	36,606
ST. LUCIE	64,847	55,480	5,411	--	3,956	19,668	14,802	1,583	--	3,283
SARASOTA	60,617	34,170	--	9,409	17,038	19,412	11,838	--	3,664	3,910
SEMINOLE	222,054	87,236	--	60,008	74,810	59,047	22,496	276	17,042	19,233
SUMTER	631,638	72,268	199,453	127,262	232,655	209,228	26,287	72,311	46,561	64,069
TOTAL	7,013,750	2,041,612	2,037,041	1,453,444	1,481,653	2,279,156	561,121	765,413	547,203	405,419

FACTORS FOR CONVERTING TO CORDS ARE SHOWN ON PAGE 12.

TABLE 8. --NET ANNUAL GROWTH OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1979

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				
BREVARD	17,152	11,632	1,863	1,943	1,714	6,459	5,349	255	466	389
CITRUS	20,586	9,771	5,318	2,207	3,290	5,926	3,625	939	547	815
DE SOTO	5,107	1,560	1,258	1,634	655	1,920	1,220	123	426	151
HARDEE	16,866	9,626	3,206	1,006	3,028	3,386	1,552	632	333	869
HERNANDO	26,397	12,125	1,115	6,058	7,099	5,418	2,393	168	1,434	1,423
HIGHLANDS	16,676	8,024	4,543	2,836	1,273	4,205	1,942	712	1,119	432
HILLSBOROUGH	28,123	7,669	12,453	2,797	5,204	5,351	1,436	2,117	887	911
INDIAN RIVER	6,127	4,100	1,793	--	234	1,272	945	292	2	33
LAKE	43,429	26,482	6,199	7,341	3,407	12,070	6,827	1,626	2,682	935
MANATEE	4,335	2,214	--	1,596	525	1,801	1,319	--	365	117
OKEECHOBEE	10,140	3,586	2,905	3,436	213	2,978	1,863	424	634	57
ORANGE	26,312	10,778	6,974	6,420	2,140	7,083	3,114	1,777	1,853	339
OSCEOLA	32,719	10,740	15,560	4,603	1,816	8,552	2,001	4,023	1,868	660
PASCO	29,866	10,118	9,209	5,244	5,095	6,935	2,186	2,004	1,429	1,316
PINELLAS	4,373	3,006	1,219	148	--	662	484	144	34	--
POLK	44,199	15,120	15,191	8,891	4,997	11,604	3,223	3,844	3,763	774
ST. LUCIE	4,237	3,782	280	--	175	1,286	1,046	39	--	201
SARASOTA	4,053	3,174	--	365	514	1,349	1,122	--	134	93
SEMINOLE	12,258	7,775	141	2,244	2,098	2,172	1,157	14	454	547
SUMTER	29,023	6,414	9,049	6,363	7,197	7,890	2,903	1,786	1,359	1,842
TOTAL	381,778	167,696	98,276	65,132	50,674	96,319	43,707	20,919	19,789	11,904

TABLE 9. --ANNUAL REMOVALS OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1979

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				
BREVARD	2,270	1,033	--	1,237	--	815	573	--	242	--
CITRUS	7,755	5,996	--	215	498	1,704	1,086	--	130	--
DE SOTO	974	564	1,046	--	410	208	103	186	302	--
HARDEE	--	--	--	--	--	--	--	--	105	--
HERNANDO	6,508	3,487	--	--	--	--	--	--	--	--
HIGHLANDS	4,876	4,876	--	1,941	1,080	1,534	776	--	--	--
HILLSBOROUGH	9,997	6,433	--	--	--	1,402	869	--	531	227
INDIAN RIVER	5,631	5,631	591	2,973	--	2,725	1,226	--	533	--
LAKE	19,223	12,727	--	--	--	1,389	1,389	553	946	--
MANATEE	--	--	--	2,773	3,723	5,042	3,249	--	--	--
OKEECHOBEE	1,289	1,289	--	--	--	--	--	42	547	1,204
ORANGE	24,615	11,186	--	--	--	425	425	--	--	--
OSCEOLA	21,849	6,731	8,439	2,005	2,985	5,376	2,340	1,874	484	678
PASCO	7,316	5,843	13,111	1,408	599	5,680	1,653	3,244	331	452
PINELLAS	3,417	3,417	925	--	548	1,467	1,063	202	88	114
POLK	29,251	22,452	--	--	--	910	701	--	--	--
ST. LUCIE	5,228	5,228	2,145	2,072	2,582	8,598	6,505	599	980	209
SARASOTA	10,050	10,050	--	--	--	1,447	1,447	--	--	514
SEMINOLE	5,873	2,050	--	--	--	2,223	2,223	--	--	--
SUMTER	10,859	1,678	1,592	1,000	1,231	1,814	776	295	350	--
TOTAL	176,981	110,671	35,791	16,863	13,656	45,559	27,364	8,553	5,444	4,198

TABLE 10. --AREA OF COMMERCIAL FOREST LAND, BY FOREST TYPE AND OWNERSHIP CLASS, 1980

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	174,196	12,820	28,014	--	30,734	
SLASH PINE	400,117	10,256	76,547	16,324	61,899	
LOBLOLLY PINE	2,719	--	--	--	2,719	
SHORTLEAF PINE	--	--	--	--	--	
VIRGINIA PINE	--	--	--	--	--	
SAND PINE	89,112	17,949	2,422	318	3,067	
EASTERN REDCEDAR	--	--	--	--	--	
POND PINE	40,502	2,564	356	--	3,067	
SPRUCE PINE	--	--	--	--	--	
PITCH PINE	--	--	--	--	--	
TABLE MOUNTAIN PINE	--	--	--	--	--	
TOTAL	706,646	43,589	107,339	16,642	101,486	
HARDWOOD TYPES:						
OAK-PINE	247,023	10,256	34,250	--	33,180	
OAK-HICKORY	151,953	--	15,137	3,646	32,797	
CHESTNUT OAK	--	--	--	--	--	
SOUTHERN SCRUB OAK	277,684	5,130	18,104	3,646	24,946	
OAK-GUM-CYPRESS ¹	1,062,850	2,565	106,239	18,113	212,560	
ELM-ASH-COTTONWOOD	27,519	2,564	5,463	--	3,103	
MAPLE-BEECH-BIRCH	--	--	--	--	--	
TOTAL	1,767,029	20,515	179,193	25,405	306,586	
ALL TYPES	2,473,675	64,104	286,532	42,047	408,072	

¹ INCLUDES 99,813 ACRES OF PALM AND OTHER TROPICAL FOREST TYPES.

TABLE 11. --AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP AND STOCKING CLASSES OF GROWING-STOCK TREES, 1980

OWNERSHIP CLASSES	ALL CLASSES	STOCKING PERCENTAGE ¹				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
ACRES						
NATIONAL FOREST	64,104	--	5,129	25,640	23,077	10,258
OTHER PUBLIC	286,532	25,805	51,751	70,179	86,890	51,907
FOREST INDUSTRY	42,047	5,434	10,892	12,679	3,964	9,078
FARMER	408,072	19,337	77,338	113,391	114,833	83,173
MISC. PRIVATE	1,672,920	98,628	260,594	368,991	602,424	342,283
ALL OWNERSHIPS	2,473,675	149,204	405,704	590,880	831,188	496,699

¹ SEE STOCKING STANDARDS ON PAGE 12.

TABLE 12. --VOLUME OF TIMBER ON COMMERCIAL FOREST LAND, BY CLASS AND SPECIES GROUP, 1980

CLASS OF TIMBER	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
- - - - - THOUSAND CUBIC FEET - - - - -					
SAWTIMBER TREES:					
SAW-LOG PORTION	1,425,647	386,162	464,391	307,540	267,554
UPPER-STEM PORTION	135,000	31,310	37,653	35,314	30,723
TOTAL	1,560,647	417,472	502,044	342,854	298,277
POLETIMBER TREES	718,509	143,649	263,369	204,349	107,142
ALL GROWING-STOCK TREES	2,279,156	561,121	765,413	547,203	405,419
ROUGH TREES:					
SAWTIMBER-SIZE TREES	238,039	3,348	4,545	38,938	191,208
POLETIMBER-SIZE TREES	186,175	2,010	7,617	49,008	127,540
TOTAL	424,214	5,358	12,162	87,946	318,748
ROTTEN TREES:					
SAWTIMBER-SIZE TREES	27,051	--	1,813	4,840	20,398
POLETIMBER-SIZE TREES	2,887	--	202	902	1,783
TOTAL	29,938	--	2,015	5,742	22,181
SALVABLE DEAD TREES:					
SAWTIMBER-SIZE TREES	6,048	4,099	501	867	581
POLETIMBER-SIZE TREES	3,255	1,963	572	533	187
TOTAL	9,303	6,062	1,073	1,400	768
TOTAL, ALL TIMBER	2,742,611	572,541	780,663	642,291	747,116

TABLE 13. --NUMBER OF GROWING-STOCK TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1980

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
SOFTWOOD:		THOUSAND TREES									
LONGLEAF PINE	12,732	2,493	2,825	3,215	2,115	1,151	708	168	33	24	--
SLASH PINE	47,169	22,605	11,296	6,475	3,321	1,852	1,067	309	169	75	--
SHORTLEAF PINE	--	--	--	--	--	--	--	--	--	--	--
LOBLOLLY PINE	1,117	329	253	212	112	162	12	23	8	6	--
POND PINE	4,297	2,175	850	507	416	115	99	81	47	7	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--
SAND PINE	5,394	2,057	1,014	1,376	561	270	92	24	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	17,102	4,797	4,025	3,079	1,780	1,534	865	456	175	329	62
PONDYCYPRESS	78,395	33,849	21,921	13,913	5,320	2,167	800	216	79	126	4
CEDARS	853	400	211	35	116	24	30	37	--	--	--
TOTAL SOFTWOODS	167,059	68,705	42,395	28,812	13,741	7,275	3,673	1,314	511	567	66
HARDWOOD:											
SELECT WHITE OAKS	15	--	--	--	--	--	15	--	--	--	--
SELECT RED OAKS	5	--	--	--	--	--	--	--	--	--	--
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	5	--
OTHER WHITE OAKS	3,821	1,025	554	340	219	370	273	254	207	408	171
OTHER RED OAKS	12,356	4,596	2,365	1,893	1,411	625	469	398	178	353	68
HICKORY	1,398	130	614	170	178	109	113	59	18	7	--
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	24	--	--	--	24	--	--	--	--	--	--
SOFT MAPLE	13,956	4,324	3,062	2,502	1,841	925	718	252	139	184	9
BEECH	--	--	--	--	--	--	--	--	--	--	--
SWEETGUM	6,693	1,568	2,018	1,222	917	471	177	155	126	33	6
TUPELO AND BLACKGUM	14,183	5,010	3,193	2,287	1,759	791	491	262	204	173	13
ASH	13,251	5,786	3,299	1,603	1,025	825	366	237	72	30	8
COTTONWOOD	--	--	--	--	--	--	--	--	--	--	--
BASSWOOD	107	--	--	36	24	21	15	11	--	--	--
YELLOW-POPLAR	--	--	--	--	--	--	--	--	--	--	--
BAY AND MAGNOLIA	17,383	9,591	3,285	2,013	1,053	738	363	172	93	60	15
BLACK CHERRY	17	--	--	--	--	--	17	--	--	--	--
BLACK WALNUT	52	--	52	--	--	--	--	--	--	--	--
SYCAMORE	--	--	--	--	--	--	--	--	--	--	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	2,193	770	601	193	172	168	121	82	49	37	--
OTHER EASTERN HARDWOODS	1,074	261	519	193	78	--	--	23	--	--	--
TOTAL HARDWOODS	86,528	33,061	19,562	12,452	8,701	5,043	3,138	1,905	1,086	1,290	290
ALL SPECIES	253,587	101,766	61,957	41,264	22,442	12,318	6,811	3,219	1,597	1,857	356

TABLE 14. -- VOLUME OF ALL LIVE TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1980

SPECIES	ALL CLASSES	DIAMETER CLASS (INCHES AT BREAST HEIGHT)										THOUSAND CUBIC FEET			
		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				
SOFTWOOD:															
LONGLEAF PINE	148,797	5,838	13,285	30,923	35,697	28,869	23,247	7,534	1,787	1,617	--				
SLASH PINE	327,121	50,512	55,685	62,663	52,665	44,795	36,056	12,485	8,352	3,908	--				
SHORTLEAF PINE	--	--	--	--	--	--	--	--	--	--	--				
LOBLOLLY PINE	12,993	923	1,104	1,914	1,888	4,250	630	1,036	510	738	--				
POND PINE	30,360	3,857	3,237	4,716	5,927	2,557	3,386	3,549	2,560	571	--				
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--				
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--				
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--				
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--				
SAND PINE	47,208	5,802	5,416	15,154	9,916	6,630	3,207	1,083	--	--	--				
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--				
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--				
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--				
BALDCYPRESS	233,769	14,644	26,211	33,304	30,897	37,251	28,964	19,177	9,650	24,493	9,178				
PONDYCYPRESS	539,229	99,371	128,649	136,975	84,046	46,839	23,069	7,769	3,768	7,294	449				
CEDARS	7,592	956	1,357	291	2,051	477	893	1,567	--	--	--				
TOTAL SOFTWOODS	1,346,069	181,903	234,944	285,940	223,087	171,668	119,452	54,200	26,627	38,621	9,627				
HARDWOOD:															
SELECT WHITE OAKS	562	--	--	--	--	--	562	--	--	--	--				
SELECT RED OAKS	657	--	--	--	--	--	--	--	--	657	--				
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--				
OTHER WHITE OAKS	291,120	13,908	13,660	17,429	21,123	19,629	30,102	26,552	25,071	71,051	52,595				
OTHER RED OAKS	207,939	15,978	17,653	24,206	26,678	20,323	17,668	18,319	17,320	38,660	13,134				
HICKORY	201,999	208	2,796	2,041	2,725	3,804	3,761	3,161	1,611	--	--				
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--				
HARD MAPLE	431	--	--	--	431	--	--	--	--	--	--				
SOFT MAPLE	207,773	17,160	25,848	30,483	35,044	30,057	27,893	12,596	10,048	16,948	1,696				
BEECH	--	--	--	--	--	--	--	--	--	--	--				
SWEETGUM	88,439	4,208	11,857	14,029	18,317	11,759	7,099	8,342	7,800	3,482	1,546				
TUPELO AND BLACKGUM	160,607	16,002	20,695	25,130	27,597	18,898	14,791	10,521	11,802	13,589	1,582				
ASH	155,351	24,009	29,332	24,432	20,544	22,520	16,270	10,295	4,594	2,528	1,827				
COTTONWOOD	--	--	--	--	--	--	--	--	--	--	--				
BASSWOOD	2,687	--	--	828	436	404	466	553	--	--	--				
YELLOW-POPLAR	--	--	--	--	--	--	--	--	--	--	--				
BAY AND MAGNOLIA	139,855	28,531	23,711	21,573	17,510	16,823	12,464	8,170	5,171	4,082	1,820				
BLACK CHERRY	740	363	--	--	--	--	377	--	--	--	--				
BLACK WALNUT	182	--	182	--	--	--	--	--	--	--	--				
SYCAMORE	--	--	--	--	--	--	--	--	--	--	--				
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--				
ELM	32,544	1,608	3,631	3,379	2,736	5,730	5,860	3,449	3,007	3,144	--				
OTHER EASTERN HARDWOODS	75,353	18,062	23,763	14,029	10,916	4,087	2,107	1,999	--	--	--				
TOTAL HARDWOODS	1,387,239	140,037	173,128	177,559	184,057	154,034	139,420	103,957	86,814	155,033	73,200				
ALL SPECIES	2,733,308	321,940	408,072	463,499	407,144	325,702	258,872	158,157	113,441	193,654	82,827				

TABLE 15.--VOLUME OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1980

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	148,175	5,658	13,070	30,696	35,697	28,869	23,247	7,534	1,787	1,617	--
SLASH PINE	326,093	49,970	55,461	62,663	52,665	44,533	36,056	12,485	8,352	3,908	--
SHORTLEAF PINE	--	--	--	--	--	--	--	--	--	--	--
LOBLOLLY PINE	12,993	923	1,104	1,914	1,888	4,250	630	1,036	510	738	--
POND PINE	30,127	3,624	3,237	4,716	5,927	2,557	3,386	3,549	2,560	571	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--
SAND PINE	43,733	5,415	5,187	13,351	9,245	6,630	2,822	1,083	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	232,054	14,644	25,480	33,304	30,897	37,251	28,964	19,177	9,650	23,605	9,082
POND CYPRESS	526,218	94,146	127,237	135,255	81,145	46,236	23,069	7,769	3,768	7,195	398
CEDARS	7,141	846	1,016	291	2,051	477	893	1,567	--	--	--
TOTAL SOFTWOODS	1,326,534	175,226	231,792	282,190	219,515	170,803	119,067	54,200	26,627	37,634	9,480
HARDWOOD:											
SELECT WHITE OAKS	562	--	--	--	--	--	562	--	--	--	--
SELECT RED OAKS	280	--	--	--	--	--	--	--	--	280	--
CHESTNUT OAK	--	--	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	112,707	1,860	2,521	2,928	3,316	7,405	8,539	9,639	10,713	33,734	32,052
OTHER RED OAKS	147,818	10,704	12,321	17,713	20,766	13,402	14,102	14,784	9,001	25,957	9,068
HICKORY	18,977	208	2,796	1,422	2,725	3,042	3,761	3,161	1,277	585	--
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	431	--	--	--	431	--	--	--	--	--	--
SOFT MAPLE	161,038	10,638	17,852	24,479	30,124	20,921	23,350	10,584	7,584	14,449	1,057
BEECH	--	--	--	--	--	--	--	--	--	--	--
SWEETGUM	83,581	3,994	11,184	12,900	16,527	11,759	7,099	7,696	7,800	3,076	1,546
TUPELO AND BLACKGUM	149,693	13,103	18,720	22,026	27,390	18,009	14,791	10,156	10,842	13,074	1,582
ASH	121,289	14,156	19,025	18,535	17,727	20,390	13,689	9,818	4,594	2,528	827
COTTONWOOD	--	--	--	--	--	--	--	--	--	--	--
BASSWOOD	2,293	--	--	434	436	404	466	553	--	--	--
YELLOW-POPLAR	--	--	--	--	--	--	--	--	--	--	--
BAY AND MAGNOLIA	119,640	23,414	18,473	18,652	15,158	15,543	11,659	6,639	4,777	3,505	1,820
BLACK CHERRY	377	--	--	--	--	--	377	--	--	--	--
BLACK WALNUT	182	--	182	--	--	--	--	--	--	--	--
SYCAMORE	--	--	--	--	--	--	--	--	--	--	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--	--	--
ELM	26,906	1,302	3,230	2,067	2,504	3,780	4,423	3,449	3,007	3,144	--
OTHER EASTERN HARDWOODS	6,848	536	2,237	1,879	1,221	--	--	975	--	--	--
TOTAL HARDWOODS	952,622	79,915	108,541	123,035	138,325	114,655	102,818	77,454	59,595	100,332	47,952
ALL SPECIES	2,279,156	255,141	340,333	405,225	357,840	285,458	221,885	131,654	86,222	137,966	57,432

TABLE 16. --VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1980

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	655,050	125,140	172,898	154,847	134,448	45,747	11,341	10,629	--
SLASH PINE	1,066,123	235,473	241,653	231,374	204,297	75,251	52,655	25,420	--
SHORTLEAF PINE	--	--	--	--	--	--	--	--	--
LOBLOLLY PINE	53,730	6,383	8,167	21,371	3,620	6,040	3,200	4,949	--
POND PINE	116,427	18,299	26,448	13,172	18,654	20,686	15,519	3,649	--
VIRGINIA PINE	--	--	--	--	--	--	--	--	--
PITCH PINE	--	--	--	--	--	--	--	--	--
TABLE MOUNTAIN PINE	--	--	--	--	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--
SAND PINE	150,282	50,225	42,529	34,956	16,013	6,559	--	--	--
EASTERN WHITE PINE	--	--	--	--	--	--	--	--	--
EASTERN HEMLOCK	--	--	--	--	--	--	--	--	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--
BALDCYPRESS	860,647	96,590	116,130	160,315	138,662	98,627	52,877	138,565	58,881
POND CYPRESS	1,148,451	412,679	314,046	203,985	112,584	40,379	20,775	41,528	2,475
CEDARS	27,943	1,250	10,146	2,422	4,941	9,184	--	--	--
TOTAL SOFTWOODS	4,078,653	946,039	932,017	822,442	633,219	302,473	156,367	224,740	61,356
HARDWOOD:									
SELECT WHITE OAKS	2,709	--	--	--	2,709	--	--	--	--
SELECT RED OAKS	1,765	--	--	--	--	--	--	1,765	--
CHESTNUT OAK	--	--	--	--	--	--	--	--	--
OTHER WHITE OAKS	594,659	--	11,632	31,101	39,922	48,799	57,326	196,954	208,925
OTHER RED OAKS	535,630	--	77,872	58,809	67,245	75,432	48,366	150,593	57,313
HICKORY	64,050	--	9,335	12,447	16,773	15,459	6,793	3,243	--
YELLOW BIRCH	--	--	--	--	--	--	--	--	--
HARD MAPLE	1,648	--	1,648	--	--	--	--	--	--
SOFT MAPLE	433,650	--	95,209	77,820	96,710	47,351	36,017	74,670	5,873
BEECH	--	--	--	--	--	--	--	--	--
SWEETGUM	257,721	--	58,825	50,104	34,636	40,884	43,644	18,850	10,778
TUPELO AND BLACKGUM	418,090	--	89,627	71,338	66,699	49,394	56,425	74,705	9,902
ASH	279,824	--	56,919	78,492	58,814	45,178	22,456	13,224	4,741
COTTONWOOD	--	--	--	--	--	--	--	--	--
BASSWOOD	7,642	--	1,596	1,527	1,993	2,526	--	--	--
YELLOW-POPLAR	--	--	--	--	--	--	--	--	--
BAY AND MAGNOLIA	240,451	--	47,912	59,172	49,813	31,041	23,079	18,862	10,572
BLACK CHERRY	1,591	--	--	--	1,591	--	--	--	--
BLACK WALNUT	--	--	--	--	--	--	--	--	--
SYCAMORE	--	--	--	--	--	--	--	--	--
BLACK LOCUST	--	--	--	--	--	--	--	--	--
ELM	87,667	--	8,268	14,701	18,924	15,531	14,265	15,978	--
OTHER EASTERN HARDWOODS	8,000	--	3,754	--	--	4,246	--	--	--
TOTAL HARDWOODS	2,935,097	--	462,597	455,511	455,829	375,841	308,371	568,844	308,104
ALL SPECIES	7,013,750	946,039	1,394,614	1,277,953	1,089,048	678,314	464,738	793,584	369,460

TABLE 17. --NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES, 1979

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - THOUSAND CUBIC FEET - -		
SOFTWOOD:		
YELLOW PINES	43,707	27,364
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	20,647	8,388
OTHER EASTERN SOFTWOODS	272	165
TOTAL SOFTWOODS	64,626	35,917
HARDWOOD:		
SELECT WHITE AND RED OAKS	20	126
OTHER WHITE AND RED OAKS	7,930	2,285
HICKORY	530	269
YELLOW BIRCH	--	--
HARD MAPLE	8	162
SWEETGUM	1,906	1,811
ASH, WALNUT, AND BLACK CHERRY	3,123	1,292
YELLOW-POPLAR	--	--
TUPELO AND BLACKGUM	3,395	718
BAY AND MAGNOLIA	7,158	1,617
OTHER EASTERN HARDWOODS	7,623	1,362
TOTAL HARDWOODS	31,693	9,642
ALL SPECIES	96,319	45,559

TABLE 18. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1979

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
- - - THOUSAND BOARD FEET - - -		
SOFTWOOD:		
YELLOW PINES	167,696	110,671
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	95,835	35,003
OTHER EASTERN SOFTWOODS	2,441	788
TOTAL SOFTWOODS	265,972	146,462
HARDWOOD:		
SELECT WHITE AND RED OAKS	144	698
OTHER WHITE AND RED OAKS	37,160	8,188
HICKORY	2,266	1,143
YELLOW BIRCH	--	--
HARD MAPLE	16	292
SWEETGUM	7,747	6,586
ASH, WALNUT, AND BLACK CHERRY	10,985	3,335
YELLOW-POPLAR	--	--
TUPELO AND BLACKGUM	14,133	2,596
BAY AND MAGNOLIA	12,618	2,193
OTHER EASTERN HARDWOODS	30,737	5,488
TOTAL HARDWOODS	115,806	30,519
ALL SPECIES	381,778	176,981

TABLE 19. --MORTALITY OF GROWING STOCK AND SAWTIMBER ON COMMERCIAL
FOREST LAND, BY SPECIES, 1979

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	THOUSAND BOARD FEET
SOFTWOOD:		
YELLOW PINES	10,580	36,978
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	1,772	3,751
OTHER EASTERN SOFTWOODS	101	697
TOTAL SOFTWOODS	12,453	41,426
HARDWOOD:		
SELECT WHITE AND RED OAKS	103	382
OTHER WHITE AND RED OAKS	2,315	8,791
HICKORY	255	1,385
YELLOW BIRCH	--	--
HARD MAPLE	--	--
SWEETGUM	631	2,871
ASH, WALNUT, AND BLACK CHERRY	1,263	4,631
YELLOW-POPLAR	--	--
TUPELO AND BLACKGUM	2,309	7,669
BAY AND MAGNOLIA	1,700	3,869
OTHER EASTERN HARDWOODS	2,535	6,008
TOTAL HARDWOODS	11,111	35,606
ALL SPECIES	23,564	77,032

TABLE 20. --VOLUME OF ALL LIVE TREES AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1980

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	32,398	20,353	--	3,680	8,365	24,965	20,353	--	2,428	2,184
OTHER PUBLIC	314,792	75,061	95,767	58,961	85,003	271,382	74,499	95,112	53,606	48,165
FOREST INDUSTRY	50,779	9,068	22,677	7,404	11,630	45,011	9,068	22,677	6,135	7,131
FARMER	518,982	95,526	155,261	131,321	136,874	437,248	95,040	152,430	112,121	77,657
MISCELLANEOUS PRIVATE	1,816,357	366,471	505,885	439,525	504,476	1,500,550	362,161	495,194	372,913	270,282
ALL OWNERSHIPS	2,733,308	566,479	779,590	640,891	746,348	2,279,156	561,121	765,413	547,203	405,419

TABLE 21. --VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1980

OWNERSHIP CLASS	SMALL SAWTIMBER ¹					LARGE SAWTIMBER ²				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
THOUSAND BOARD FEET										
NATIONAL FOREST	53,823	51,292	--	2,531	--	34,706	28,019	--	3,921	2,766
OTHER PUBLIC	471,796	206,201	165,096	63,131	37,368	359,750	65,112	101,272	67,514	125,852
FOREST INDUSTRY	79,679	18,644	40,915	6,342	13,778	45,738	2,583	11,690	13,359	18,106
FARMER	693,416	261,600	271,271	108,852	51,693	706,894	115,850	120,374	177,967	292,703
MISCELLANEOUS PRIVATE	2,319,892	845,198	840,281	397,629	236,784	2,248,056	447,113	486,142	612,198	702,603
ALL OWNERSHIPS	3,618,606	1,382,935	1,317,563	578,485	339,623	3,395,144	658,677	719,478	874,959	1,142,030

¹ VOLUME OF SAWTIMBER TREES LESS THAN 15.0 INCHES AT D.B.H.² 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, 1979

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
NATIONAL FOREST	2,490	2,110	--	130	250	2,336	1,416	--	224	696
OTHER PUBLIC	13,018	7,135	2,524	1,695	1,664	8,553	2,820	3,755	1,361	617
FOREST INDUSTRY	1,638	739	548	173	178	272	158	--	--	114
FARMER	16,907	6,310	4,225	4,145	2,227	7,950	5,434	1,643	768	105
MISCELLANEOUS PRIVATE	62,266	27,413	13,622	13,646	7,585	26,448	17,536	3,155	3,091	2,666
ALL OWNERSHIPS	96,319	43,707	20,919	19,789	11,904	45,559	27,364	8,553	5,444	4,198

THOUSAND CUBIC FEET

TABLE 23. --NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1979

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

TABLE 24. --AVERAGE NET VOLUME PER ACRE OF SAWTIMBER, GROWING STOCK, AND OTHER LIVE TIMBER ON COMMERCIAL FOREST LAND, BY SPECIES GROUP, AND OWNERSHIP CLASS, MAJOR FOREST TYPE, AND SPECIES GROUP, 1980

FOREST TYPE, SPECIES GROUP, AND CLASS OF MATERIAL	OWNERSHIP CLASS									
	ALL OWNERSHIPS		NATIONAL FOREST		OTHER PUBLIC		FOREST INDUSTRY		FARMER	
	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	1,942	572	924	295	1,668	461	1,257	537	2,977	763
HARDWOOD	33	14	--	20	13	3	--	--	104	42
TOTAL	1,975	586	924	315	1,681	464	1,257	537	3,081	805
OTHER TIMBER:										
SOFTWOOD	--	5	--	--	--	2	--	--	--	5
HARDWOOD	--	26	--	78	--	6	--	--	--	33
TOTAL	--	31	--	78	--	8	--	--	--	38
OAK-PINE TYPES:										
GROWING STOCK:										
SOFTWOOD	1,853	432	3,510	679	833	257	--	--	1,679	397
HARDWOOD	274	136	250	169	--	7	--	--	601	303
TOTAL	2,127	562	3,760	848	833	264	--	--	2,280	700
OTHER TIMBER:										
SOFTWOOD	--	4	--	--	--	8	--	--	--	8
HARDWOOD	--	147	--	178	--	109	--	--	--	123
TOTAL	--	151	--	178	--	117	--	--	--	131
UPLAND HARDWOOD TYPES:										
GROWING STOCK:										
SOFTWOOD	141	34	290	71	234	56	--	--	98	23
HARDWOOD	923	224	--	--	420	153	720	140	2,368	564
TOTAL	1,064	258	290	71	654	209	720	140	2,466	587
OTHER TIMBER:										
SOFTWOOD	--	3	--	--	--	--	--	--	--	--
HARDWOOD	--	271	--	--	--	393	--	532	--	285
TOTAL	--	274	--	--	--	393	--	532	--	285
BOTTOMLAND HARDWOOD TYPES:										
GROWING STOCK:										
SOFTWOOD	1,993	733	510	83	2,920	1,019	3,041	1,311	1,886	722
HARDWOOD	2,296	763	1,322	404	2,920	1,007	2,739	720	2,179	669
TOTAL	4,289	1,496	1,832	487	5,840	2,026	5,780	2,031	4,065	1,391
OTHER TIMBER:										
SOFTWOOD	--	13	--	--	--	7	--	--	--	12
HARDWOOD	--	248	--	452	--	249	--	154	--	256
TOTAL	--	261	--	452	--	256	--	154	--	268
ALL TYPES:										
GROWING STOCK:										
SOFTWOOD	1,649	536	1,254	322	1,790	565	1,845	793	1,900	611
HARDWOOD	1,187	385	146	73	978	339	1,289	331	1,559	469
TOTAL	2,836	921	1,400	395	2,768	904	3,134	1,124	3,459	1,080
OTHER TIMBER:										
SOFTWOOD	--	8	--	--	--	4	--	--	--	8
HARDWOOD	--	176	--	117	--	140	--	144	--	194
TOTAL	--	184	--	117	--	144	--	144	--	202
ALL TIMBER	2,836	1,105	1,400	512	2,768	1,048	3,134	1,268	3,459	1,282
ROUGH AND ROTTEN TREES:										2,744
										1,091

TABLE 25. --LAND AREA, BY CLASS, MAJOR FOREST TYPE, AND SURVEY COMPLETION DATE, 1959, 1970, AND 1980

LAND USE CLASS	SURVEY COMPLETION DATE			CHANGE 1970-1980
	1959	1970	1980	
----- ACRES -----				
FOREST LAND:				
COMMERCIAL FOREST LAND:				
PINE AND OAK-PINE TYPES	1,223,000	1,058,992	953,669	-105,323
HARDWOOD TYPES	2,018,000	1,616,922	1,520,006	- 96,916
TOTAL	3,241,000	2,675,914	2,473,675	-202,239
NONCOMMERCIAL FOREST LAND:				
PRODUCTIVE-RESERVED	21,900	23,800	65,341	+ 41,541
UNPRODUCTIVE	111,100	98,837	67,286	- 31,551
TOTAL	133,000	122,637	132,627	+ 9,990
NONFOREST LAND:				
CROPLAND	1,201,800	1,283,251	1,239,604	- 43,647
PASTURE AND RANGE	2,976,900	3,781,899	3,869,187	+ 87,288
OTHER	2,346,800	2,058,135	2,201,637	+143,502
TOTAL	6,525,500	7,123,285	7,310,428	+187,143
ALL LAND ¹	9,899,500	9,921,836	9,916,730	- 5,106

¹ EXCLUDES ALL WATER AREAS.

TABLE 26. ---VOLUME 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	1959	2,412,055	--	--	617,827	647,774	471,446	312,752	180,490	84,146	97,620
	1970	3,222,172	--	--	770,883	859,403	687,948	436,023	218,474	106,178	143,263
	1980	4,078,653	--	--	946,039	932,017	822,442	633,219	302,473	156,367	286,096
HARDWOOD	1959	1,740,816	--	--	--	351,929	307,268	262,500	202,610	165,827	450,682
	1970	2,262,275	--	--	--	368,944	406,017	352,131	296,908	216,087	622,188
	1980	2,935,097	--	--	--	462,597	455,511	455,829	375,841	308,371	876,948
GROWING STOCK (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1959	892,191	137,180	198,665	184,316	152,561	97,912	58,810	32,340	14,330	16,077
	1970	1,115,050	156,886	220,096	229,977	202,403	142,876	81,990	39,146	18,082	23,594
	1980	1,326,534	175,226	231,792	282,190	219,515	170,803	119,067	54,200	26,627	47,114
HARDWOOD	1959	625,565	65,393	81,191	87,171	105,242	77,339	59,215	41,758	32,050	76,206
	1970	767,208	70,270	89,560	107,257	110,330	102,194	79,434	61,193	41,764	105,206
	1980	952,622	79,915	108,541	123,035	138,325	114,655	102,818	77,454	59,595	148,284
ALL LIVE TIMBER (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1959	906,226	142,429	201,302	186,933	155,000	98,406	58,996	32,340	14,330	16,490
	1970	1,131,970	162,889	223,013	233,235	205,641	143,596	82,245	39,146	18,082	24,123
	1980	1,346,069	181,903	234,944	285,940	223,087	171,668	119,452	54,200	26,627	48,248
HARDWOOD	1959	913,856	114,435	129,360	125,854	140,041	103,912	80,290	56,054	46,676	117,234
	1970	1,117,275	122,967	142,695	154,861	146,813	137,304	107,703	82,124	60,853	161,955
	1980	1,387,239	140,037	173,128	177,559	184,057	154,034	139,420	103,957	86,814	228,233

* 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.

Sheffield, Raymond M. 1981. Forest statistics for Central Florida, 1980. USDA For. Serv., Resour. Bull. SE-55, 33 p. Southeast. For. Exp. Stn., Asheville, North Carolina. Since the fourth inventory of the forest resources of Central Florida in 1970, the area of commercial forest land has declined by 202,000 acres, or by 8 percent. Commercial forests now occupy 2.5 million acres, or 25 percent of the land area in this 20-county area. Non-industrial, private landowners control 84 percent of these forests. The inventory of softwood and hardwood growing stock increased by 19 and 24 percent, respectively. Softwood species make up 58 percent of the inventory; cypress and slash pine are the most abundant softwood species. Soft maples, tupelo and blackgum, and the red and white oaks are the leading hardwood species. Net annual growth of growing stock totaled 96 million cubic feet, 111 percent more than annual timber removals. KEYWORDS: Forest trends, commercial forest land, forest ownership, timber volume, timber growth, timber removals.	Sheffield, Raymond M. 1981. Forest statistics for Central Florida, 1980. USDA For. Serv., Resour. Bull. SE-55, 33 p. Southeast. For. Exp. Stn., Asheville, North Carolina. Since the fourth inventory of the forest resources of Central Florida in 1970, the area of commercial forest land has declined by 202,000 acres, or by 8 percent. Commercial forests now occupy 2.5 million acres, or 25 percent of the land area in this 20-county area. Non-industrial, private landowners control 84 percent of these forests. The inventory of softwood and hardwood growing stock increased by 19 and 24 percent, respectively. Softwood species make up 58 percent of the inventory; cypress and slash pine are the most abundant softwood species. Soft maples, tupelo and blackgum, and the red and white oaks are the leading hardwood species. Net annual growth of growing stock totaled 96 million cubic feet, 111 percent more than annual timber removals. KEYWORDS: Forest trends, commercial forest land, forest ownership, timber volume, timber growth, timber removals.
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