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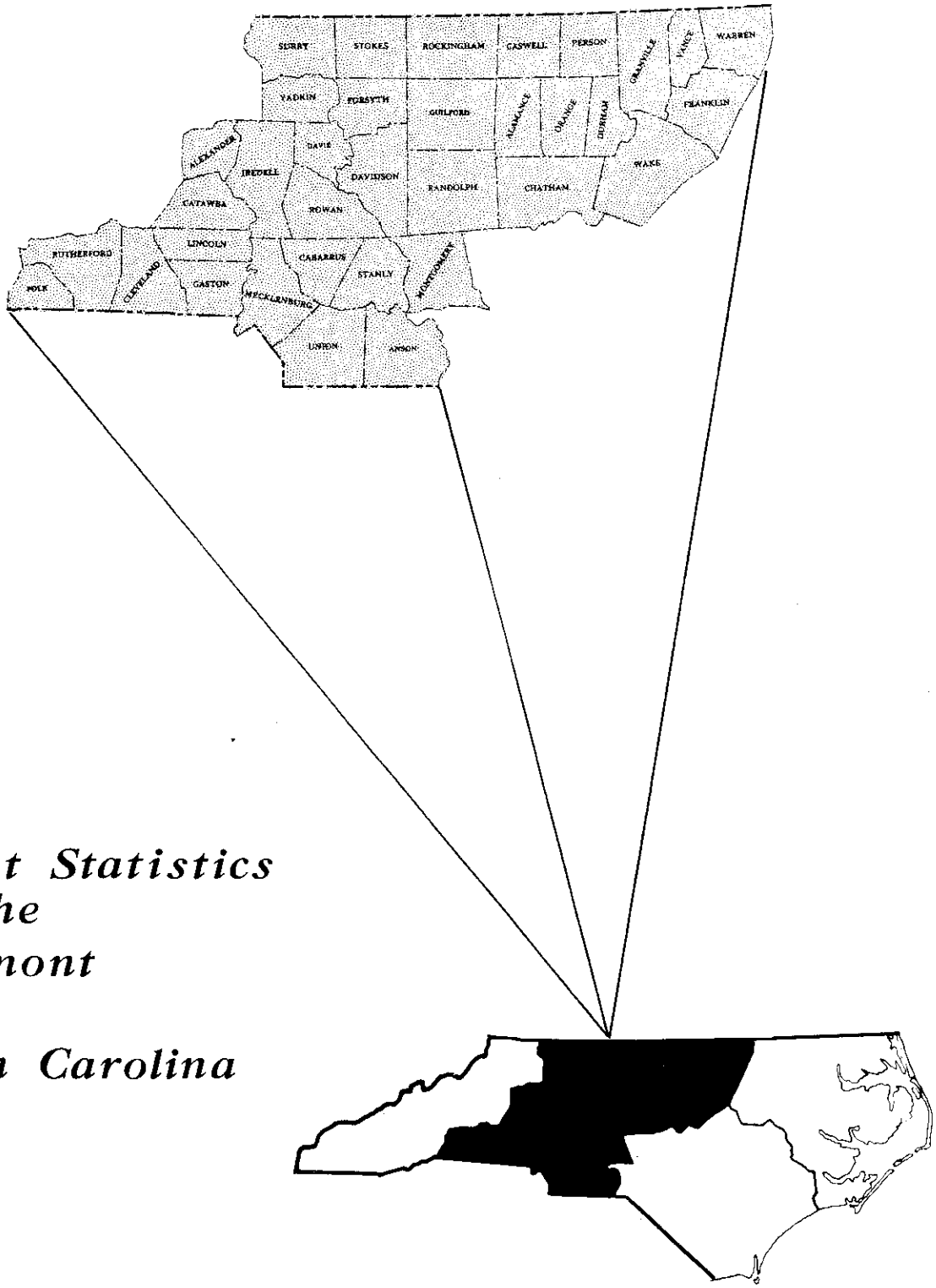

Forest Statistics for the Piedmont of North Carolina 1975

FOREWORD

This report highlights the principal findings of the fourth inventory of the timber resource in the Piedmont of North Carolina. The inventory was started in May 1974 and completed in January 1975. Three previous inventories, completed in 1937, 1956, and 1964, provide statistics for measuring changes and trends over the past 38 years. In this report, the primary emphasis is on the changes and trends since 1964.

Forest Resources Research, authorized by the McSweeney-McNary Forest Research Act of 1928, is a continuing, nationwide undertaking by the regional experiment stations of the Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, Forest Resources Research is administered through the Southeastern Forest Experiment Station with headquarters at Asheville, North Carolina. The objective of the statewide timber inventories is to periodically measure and evaluate the timber resource. These inventories provide information on the extent and condition of the forest lands, volume of timber, and rates of timber growth and removals. These data and evaluations help provide a basis for the formulation of forest policies and programs and the orderly development and use of the resource.

The 35-county area covered by this report is one of four survey units in North Carolina. Similar reports, USDA Forest Service Resource Bulletins SE-26, 30, and 31, have been issued for the Southern Coastal Plain, Northern Coastal Plain, and Mountains, along with an interim summary of some of the State totals. A final State report will present an in-depth analysis of the findings and should be available within one year.

The Southeastern Station gratefully acknowledges the cooperation and assistance provided by the North Carolina Forest Service of the State Department of Natural and Economic Resources and by the Weyerhaeuser Company in the collection of the field data. Appreciation is also expressed for the excellent cooperation of other public agencies and private landowners in providing information and access to the sample locations.

Joe P. McClure

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Project Leader

Forest Statistics
for the
Piedmont of North Carolina
1975

by
Richard L. Welch, Resource Analyst

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HIGHLIGHTS

Since 1964 in the Piedmont of North Carolina--

--the area of commercial forest land has increased only slightly. The forest acreage in this region has steadily increased since the initial survey in 1937. However, the reversion of some 472,000 acres of idle farmland to forest since 1964 has little more than offset the diversion of 460,000 acres of timberland to other uses. More than half of the forest diversion was attributed to urban development. Commercial forest land occupied 6 million acres, or 57 percent, of the total land area in 1975.

--the area of commercial forest has changed from predominantly pine lands to predominantly hardwood lands. The area of pine forest types has dropped 2 percent despite the fact that 84 percent of the idle farmland reverted to pine types and only 36 percent of the diverted acreage was formerly in pine types. This decrease indicates that there has been substantial encroachment of hardwoods on pine acres that have been harvested without prompt or adequate regeneration.

--only minor changes have occurred in commercial forest ownership. Farmer-owned woodlands decreased by 175,000 acres, while other private ownerships increased by 123,000 acres. Together, farmer-owned and other privately owned woodlands make up 94 percent of the total commercial forest. The acreage of forest land owned by the public and that owned or held under long-term lease by forest industries have both increased slightly.

--about 32 percent of the land remaining in commercial forest has been treated or significantly disturbed. More than 874,000 acres have been harvested, and 657,000 acres have undergone intermediate cutting. Less than 10 percent of the acreage harvested since 1964 has subsequently been artificially regenerated. Almost 144,000 acres have been significantly disturbed by insects, wildfire, or diseases.

--average basal area of all live trees 5.0 inches d.b.h. and larger has increased from 54 to 68 square feet per acre of commercial forest land. Despite this increase in average basal area, 885,000 acres were classified as either nonstocked or poorly stocked with growing-stock trees.

--volume of softwood growing stock has increased from 2.6 to 3.4 billion cubic feet, or by 29 percent. This increase in softwood inventory reversed past trends and is attributed to a reduction in softwood removals and growth gains from young pine stands which

have developed on idle farmland. Most of the gains came from loblolly pine and Virginia pine. Volume of shortleaf pine, the region's leading species, was down by 5 percent. The volume of softwood sawtimber has increased by 37 percent, or almost 2.4 billion board feet.

--volume of hardwood growing stock has increased from 3.4 to 4.5 billion cubic feet, or by 32 percent. This large increase indicates that the strong encroachment of hardwoods on upland sites, which had supported pine, has accelerated. All of the major hardwood species registered gains in volume. Yellow-poplar, sweetgum, and the oaks registered the largest gains and made up 73 percent of the volume of hardwood growing stock. The volume of hardwood sawtimber increased by 39 percent, or 3.4 billion board feet.

In 1974--

--net growth of growing stock averaged 70 cubic feet per acre of commercial forest land and totaled 423 million cubic feet. The growth rate in this region is by far the highest in the State, but it is in line with the rates found in Piedmont regions of other states where the rate of ingrowth is exceptionally high and the species composition is similar. Net growth on hardwoods accounted for 52 percent of the total and exceeded removals by 79 percent. Net growth of softwoods exceeded removals by 57 percent. The total net growth of all species included 1,403 million board feet of sawtimber.

--removals from growing stock totaled 251 million cubic feet and included 814 million board feet of sawtimber. Softwood removals were down in comparison with findings of previous surveys. This reduction may in part reflect the current economic recession, but it more likely reflects a gradual response to the apparent overcut identified in each of the three previous surveys. Hardwood removals were up slightly as timber utilization shifted from softwoods to more abundant hardwoods. Softwoods still provided more than half the removals.

--mortality of growing stock totaled 46 million cubic feet and included 84 million board feet of sawtimber. About two-thirds of the mortality was softwood and probably was largely the result of losses to pine bark beetles. Altogether, mortality reduced gross growth by about 10 percent. Over half the mortality volume was classified as salvable.

HOW THE FOREST SURVEY IS MADE

The method of survey is essentially a sampling procedure designed to provide reliable statistics primarily for States and Survey Units. Individual county statistics are presented so that any combination of counties may be added together until the total is large enough to meet the desired degree of reliability. The basic steps of the survey procedure were as follows:

1. Initial estimates of forest and nonforest areas were based on the classification of 35,752 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 2,394 of the 16-point clusters was ground checked, and a linear regression was fitted to the data to develop the relationship between the photo and ground classification of the subsample. This procedure provides a means for adjusting the initial estimates of area for change in land use since date of photography and for photo misclassifications.

2. Estimates of timber volume and forest classifications were based on measurements recorded at 1,240 ground sample locations systematically distributed within the commercial forest land. A 10-point cluster of plots, measured with a basal area factor of 37.5 square feet per acre, was systematically spaced on an acre at each of these sample locations. Trees less than 5 inches d.b.h. were tallied on a portion of the fixed-radius plots around the point centers.

3. Equations prepared from detailed measurements collected on standing trees at 172 sample locations in the Piedmont of North Carolina, and similar measurements taken throughout the Southeast, were used to compute the volumes of individual tally trees. A mirror caliper and sectional aluminum poles were used to obtain the additional measurements on standing trees required to construct the volume equations.

4. Felled trees were measured at 22 active cutting operations which will be pooled with similar measurements taken in the State to supplement the standing tree-volume study and generate utilization factors for product and species groups that will be analyzed at the State level.

5. Estimates of growth, removals, and mortality were determined from the remeasurement of 1,312 permanent sample plots which were established in the third survey.

6. Ownership information was collected from local contacts, correspondence, and public records, In those counties where the sample missed a particular ownership class, temporary sample plots were added and measured to describe the forest conditions within the ownership class.

7. All field data were sent to Asheville for editing and were punched into cards and stored on magnetic tape 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	1.20
Per billion cubic feet of growing stock	5.66
Per billion cubic feet of net annual growth	1.42
Per billion cubic feet of annual removals	2.84

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]		
ALAMANCE	2.89	10.72	13.01	53.76
ALEXANDER	2.32	12.88	15.27	71.02
ANSON	1.67	11.06	10.67	22.00
CABARRUS	4.42	18.64	19.87	34.66
CASWELL	1.82	10.09	12.65	32.42
CATAWBA	4.00	20.06	22.80	33.76
CHATHAM	1.65	7.08	8.09	23.63
CLEVELAND	3.35	14.56	13.30	30.76
DAVIDSON	2.43	11.64	9.97	45.67
DAVIE	5.53	18.05	17.48	57.58
DURHAM	3.57	16.20	22.81	34.54
FORSYTH	4.05	12.20	11.21	35.26
FRANKLIN	3.09	14.06	11.24	30.08
GASTON	2.75	15.66	14.80	45.90
GRANVILLE	1.87	8.48	11.11	26.20
GUILFORD	3.10	11.97	11.70	45.02
IREDELL	2.86	11.13	17.06	35.48
LINCOLN	4.57	12.68	14.00	36.11
MECKLENBURG	4.66	17.78	16.80	42.14
MONTGOMERY	2.29	7.45	6.69	24.97
ORANGE	4.52	11.37	12.68	28.08
PERSON	2.23	15.33	19.37	26.10
POLK	4.43	16.18	14.74	57.08
RANDOLPH	2.20	7.66	7.56	21.51
ROCKINGHAM	2.50	9.46	10.97	38.62
ROWAN	2.82	11.20	10.49	46.18
RUTHERFORD	2.40	8.35	8.84	26.22
STANLY	2.82	12.68	12.62	46.81
STOKES	2.91	14.02	14.19	27.42
SURRY	2.84	11.43	13.40	36.07
UNION	3.05	12.86	14.56	27.79
VANCE	2.93	12.73	15.79	42.25
WAKE	2.21	8.06	8.03	21.32
WARREN	2.11	12.30	11.33	27.69
YADKIN	3.09	15.06	14.35	44.15
UNIT TOTAL	0.49	2.02	2.19	5.67

[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 ($4\frac{1}{2}$ 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.--Either a place operated as a unit of 10 or more acres from which the sale of agricultural products totaled $50 or more annually, or a place operated as a unit of less than 10 acres from which the sale of agricultural products for the year amounted to at least $250.

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 pole-timber 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 sawtim-ber.

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] TREES LESS THAN 5.0 INCHES D.B.H. WERE TALLIED ON A 10-POINT CLUSTER OF CIRCULAR, 1/300-ACRE PLOTS AT EACH SAMPLE LOCATION. TREES 5.0 INCHES D.B.H. AND LARGER WERE TALLIED ON A 10-POINT CLUSTER OF VARIABLE PLOTS USING A BASAL AREA FACTOR OF 37.5 AT EACH SAMPLE LOCATION.

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	60.6	61.0	68.2	60.0
8	68.4	68.1	76.0	68.4
10	73.3	73.1	81.4	73.4
12	76.5	76.7	85.2	76.4
14	78.8	79.4	88.2	78.4
16	80.3	81.6	90.4	79.8
18	81.4	83.3	92.3	80.8
20	82.1	84.8	93.8	81.5
22	82.6	86.0	95.1	82.1
24+	83.5	88.1	97.9	83.0
AVERAGE	72.9	71.5	77.4	73.8

COUNTY TABLES

THE COUNTY TABLES ARE INTENDED FOR USE IN COMPILING FOREST RESOURCE ESTIMATES FOR GROUPS OF COUNTIES. BECAUSE THE SAMPLING PROCEDURE USED BY THE FOREST SURVEY WAS INTENDED PRIMARILY TO FURNISH INVENTORY DATA FOR THE SURVEY UNIT AS A WHOLE, INDIVIDUAL COUNTY ESTIMATES HAVE LIMITED AND VARIABLE ACCURACY. AS COUNTY TOTALS ARE BROKEN DOWN BY VARIOUS SUBDIVISIONS, THE POSSIBILITY OF ERROR INCREASES AND IS GREATEST FOR THE SMALLEST ITEMS. THE ORDER OF THIS INCREASE CAN BE COMPUTED WITH THE FORMULA ON PAGE 5.

TABLE 1.--*AREA, BY LAND CLASS AND COUNTY, 1975*

COUNTY	ALL LAND[1]	FOREST LAND				NONFOREST LAND[2]
		TOTAL	COMMERCIAL FOREST	UNPRODUCTIVE FOREST	PRODUCTIVE-RESERVED	
	ACRES					
ALAMANCE	273,334	134,454	134,442	--	12	138,880
ALEXANDER	168,072	108,290	108,282	--	8	59,782
ANSON	341,957	233,794	233,794	--	--	108,163
CABARRUS	232,123	104,783	104,783	--	--	127,340
CASWELL	273,460	178,640	178,640	--	--	94,820
CATAWBA	256,831	115,461	115,461	--	--	141,370
CHATHAM	453,760	327,980	327,980	--	--	125,780
CLEVELAND	299,520	130,312	130,302	--	10	169,208
DAVIDSON	354,301	190,354	190,345	--	9	163,947
DAVIE	169,600	76,249	76,249	--	--	93,351
DURHAM	189,440	113,746	113,746	--	--	75,694
FORSYTH	268,160	114,967	114,768	--	199	153,193
FRANKLIN	314,240	192,623	192,623	--	--	121,617
GASTON	229,362	125,220	124,264	--	956	104,142
GRANVILLE	345,345	218,298	218,298	--	--	127,047
GUILFORD	419,530	199,384	198,693	--	691	220,146
IREDELL	370,539	170,594	169,266	--	1,328	199,945
LINCOLN	190,608	90,703	90,695	--	8	99,905
MECKLENBURG	339,318	152,714	152,326	--	388	186,604
MONTGOMERY	313,677	249,364	248,731	--	633	64,313
ORANGE	256,000	150,519	150,303	--	216	105,481
PERSON	254,502	160,831	160,831	--	--	93,671
POLK	152,753	111,541	111,541	--	--	41,212
RANDOLPH	510,720	317,147	316,013	--	1,134	193,573
ROCKINGHAM	364,160	231,197	231,197	--	--	132,963
ROWAN	333,132	153,231	153,149	--	82	179,901
RUTHERFORD	360,974	253,859	253,859	--	--	107,115
STANLY	256,338	125,211	121,124	--	4,087	131,127
STOKES	292,480	194,035	189,985	--	4,050	98,445
SURRY	343,040	214,263	213,345	--	918	128,777
UNION	408,960	186,103	186,077	--	26	222,857
VANCE	162,701	99,343	99,343	--	--	63,358
WAKE	547,960	311,819	306,332	--	5,487	236,141
WARREN	274,581	202,754	202,754	--	--	71,827
YADKIN	216,320	108,452	108,452	--	--	107,868
TOTAL	10,537,798	6,048,235	6,027,993	--	20,242	4,489,563

[1] FROM U. S. BUREAU OF THE CENSUS, LAND AND WATER AREA OF THE UNITED STATES, 1970.
[2] INCLUDES 90,247 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, 1975*

COUNTY	ALL OWNERSHIPS	OWNERSHIP CLASS							
		NATIONAL FOREST	MISCELLANEOUS FEDERAL	STATE	COUNTY AND MUNICIPAL	FOREST INDUSTRY[1]	FARMER	MISCELLANEOUS PRIVATE	
								CORPORATE	INDIVIDUAL
	ACRES								
ALAMANCE	134,442	--	--	277	939	1,404	81,121	--	50,701
ALEXANDER	108,282	--	--	--	12	5,271	65,052	--	37,947
ANSON	233,794	--	2,261	104	107	28,862	93,016	11,715	97,729
CABARRUS	104,783	--	--	--	374	--	40,605	--	63,804
CASWELL	178,640	--	--	13,161	150	2,218	140,480	242	22,389
CATAWBA	115,461	--	--	30	629	514	51,427	17,144	45,717
CHATHAM	327,980	--	23,152	325	244	31,255	169,735	16,102	87,167
CLEVELAND	130,302	--	--	--	639	1,672	83,826	25,536	18,629
DAVIDSON	190,345	959	--	--	208	1,698	85,450	10,512	91,518
DAVIE	76,249	--	--	--	--	332	50,571	4,214	21,132
DURHAM	113,746	--	207	3,421	1,742	1,894	42,055	26,283	38,144
FORSYTH	114,768	--	3	--	1,567	--	17,414	21,769	74,015
FRANKLIN	192,623	--	--	25	35	10,989	165,512	--	16,062
GASTON	124,264	--	--	116	744	167	41,077	22,822	59,338
GRANVILLE	218,298	--	2,592	10,636	27	8,102	158,911	4,182	33,848
GUILFORD	198,693	--	30	371	3,816	758	87,173	9,686	96,859
IREDELL	169,266	--	--	25	129	936	87,112	25,065	55,999
LINCOLN	90,695	--	--	20	95	1,030	53,729	--	35,821
MECKLENBURG	152,326	--	--	560	2,565	--	28,877	19,252	101,072
MONTGOMERY	248,731	35,733	--	--	447	15,099	89,672	28,666	79,114
ORANGE	150,303	--	--	1,683	395	2,359	95,407	5,022	45,437
PERSON	160,831	--	--	--	459	4,694	123,808	9,904	21,966
POLK	111,541	--	--	4,401	64	13,010	22,375	9,045	62,646
RANDOLPH	316,013	8,364	--	--	1,449	1,628	151,247	767	152,558
ROCKINGHAM	231,197	--	--	400	316	459	169,078	8,915	52,029
ROWAN	153,149	--	3	512	200	753	93,238	11,655	46,788
RUTHERFORD	253,859	--	--	--	522	22,792	72,171	24,344	134,030
STANLY	121,124	--	--	--	257	2,018	108,034	526	10,289
STOKES	189,985	--	--	--	110	995	76,395	4,630	107,855
SURRY	213,345	--	--	--	775	--	158,194	--	54,376
UNION	186,077	--	--	4	507	1,711	120,392	17,599	45,864
VANCE	99,343	--	8,998	--	74	2,117	82,677	--	5,477
WAKE	306,332	--	1,350	1,958	1,100	6,245	105,966	54,454	135,259
WARREN	202,754	--	770	--	--	25,449	125,602	--	50,933
YADKIN	108,452	--	--	30	49	853	65,706	--	41,814
TOTAL	6,027,993	45,056	39,366	38,059	20,746	197,284	3,203,105	390,051	2,094,326

[1]NOT INCLUDING 39,896 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, 1975*

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									
ALAMANCE	134,442	--	--	--	36,706	15,211	52,105	25,350	5,070	--
ALEXANDER	108,282	--	--	--	39,704	7,178	61,400	--	--	--
ANSON	233,794	--	--	--	116,208	20,931	92,427	--	4,228	--
CABARRUS	104,783	--	--	--	23,576	11,600	69,607	--	--	--
CASWELL	178,640	--	--	--	64,353	35,267	61,460	8,780	8,780	--
CATAWBA	115,461	--	--	--	34,945	17,144	51,944	5,714	5,714	--
CHATHAM	327,980	--	--	--	120,255	35,340	121,137	10,376	40,872	--
CLEVELAND	130,302	--	--	--	64,464	18,628	47,210	--	--	--
DAVIDSON	190,345	--	--	--	46,739	10,053	113,446	5,026	15,081	--
DAVIE	76,249	--	--	--	25,284	4,277	38,260	--	8,428	--
DURHAM	113,746	--	--	--	31,292	27,993	33,435	5,257	15,769	--
FORSYTH	114,768	--	--	--	27,694	8,708	65,305	8,707	4,354	--
FRANKLIN	192,623	--	--	--	97,330	20,062	65,200	--	10,031	--
GASTON	124,264	--	--	--	50,376	22,821	46,503	--	4,564	--
GRANVILLE	218,298	--	--	--	79,588	28,819	71,091	38,800	--	--
GUILFORD	198,693	--	--	--	76,861	29,058	78,246	--	14,528	--
IREDELL	169,266	--	--	--	63,335	24,890	81,041	--	--	--
LINCOLN	90,695	--	--	--	35,937	13,431	36,850	--	4,477	--
MECKLENBURG	152,326	--	--	--	52,943	28,878	65,692	--	4,813	--
MONTGOMERY	248,731	--	--	--	77,246	55,383	116,102	--	--	--
ORANGE	150,303	--	--	--	45,435	29,544	60,258	--	15,066	--
PERSON	160,831	--	--	--	37,014	34,666	74,295	9,904	4,952	--
POLK	111,541	--	--	--	42,391	22,374	46,776	--	--	--
RANDOLPH	316,013	--	--	--	62,584	20,863	232,566	--	--	--
ROCKINGHAM	231,197	--	--	--	86,954	35,399	91,501	--	17,343	--
ROWAN	153,149	--	--	--	59,195	--	93,954	--	--	--
RUTHERFORD	253,859	--	--	--	99,479	39,884	114,496	--	--	--
STANLY	121,124	--	--	--	33,411	5,144	77,424	--	5,145	--
STOKES	189,985	--	--	--	64,044	13,482	107,965	--	4,494	--
SURRY	213,345	4,944	--	--	39,549	54,378	109,530	--	4,944	--
UNION	186,077	--	--	--	65,176	11,466	97,970	--	11,465	--
VANCE	99,343	--	--	--	57,173	8,167	25,836	8,167	--	--
WAKE	306,332	--	--	--	120,855	38,533	97,678	44,450	4,816	--
WARREN	202,754	--	--	--	65,015	65,865	53,139	--	18,735	--
YADKIN	108,452	--	--	--	47,787	11,946	36,772	--	11,947	--
TOTAL	6,027,993	4,944	--	--	2,090,898	827,383	2,688,621	170,531	245,616	--

TABLE 4.--*AREA OF COMMERCIAL FOREST LAND, BY STAND-SIZE CLASS AND COUNTY, 1975*

COUNTY	ALL STANDS	STAND-SIZE CLASS			NONSTOCKED AREAS
		SAWTIMBER	POLETIMBER	SAPLING-SEEDLING	
			ACRES		
ALAMANCE	134,442	72,197	45,631	16,614	--
ALEXANDER	106,282	41,473	39,704	27,105	--
ANSON	233,794	44,543	71,771	117,480	--
CABARRUS	104,783	34,804	35,175	34,804	--
CASWELL	178,640	52,677	61,604	64,359	--
CATAWBA	115,461	39,999	35,460	22,858	17,144
CHATHAM	327,980	131,516	155,856	36,020	4,588
CLEVELAND	130,302	23,285	68,088	29,614	9,315
DAVIDSON	190,345	55,291	77,300	57,754	--
DAVIE	76,249	21,134	29,831	25,284	--
DURHAM	113,746	47,310	33,281	33,155	--
FORSYTH	114,768	32,047	47,891	34,830	--
FRANKLIN	192,623	80,309	60,187	52,127	--
GASTON	124,264	41,938	41,247	36,515	4,564
GRANVILLE	218,298	80,884	95,727	41,687	--
GUILFORD	198,693	72,645	67,933	58,115	--
IREDELL	169,266	62,220	69,711	31,112	6,223
LINCOLN	90,695	41,327	35,820	13,548	--
MECKLENBURG	152,326	56,067	28,877	62,569	4,813
MONTGOMERY	248,731	116,974	105,384	26,373	--
ORANGE	150,303	74,739	55,237	20,327	--
PERSON	160,831	34,667	64,838	56,374	4,952
POLK	111,541	50,019	30,197	31,325	--
RANDOLPH	316,013	99,092	151,660	65,261	--
ROCKINGHAM	231,197	39,016	135,103	57,078	--
ROWAN	153,149	75,755	42,428	34,966	--
RUTHERFORD	253,859	96,589	118,221	39,049	--
STANLY	121,124	41,156	33,413	46,555	--
STOKES	189,985	67,519	55,058	67,408	--
SURRY	213,345	69,985	84,038	54,378	4,944
UNION	186,077	45,863	86,906	53,308	--
VANCE	99,343	52,579	34,313	12,451	--
WAKE	306,332	179,192	88,776	38,364	--
WARREN	202,754	67,814	67,042	67,898	--
YADKIN	108,452	42,667	47,865	11,947	5,973
TOTAL	6,027,993	2,185,292	2,301,573	1,478,612	62,516

TABLE 5.--*AREA OF COMMERCIAL FOREST LAND, BY SITE CLASS AND COUNTY, 1975*

COUNTY	ALL CLASSES	SITE CLASS				
		1	2	3	4	5
				ACRES		
ALAMANCE	134,442	--	--	5,070	98,952	30,420
ALEXANDER	106,282	--	--	5,421	77,663	25,198
ANSON	233,794	--	8,351	33,615	158,488	33,340
CABARRUS	104,783	--	--	17,401	75,781	11,601
CASWELL	178,640	--	--	13,170	125,282	40,188
CATAWBA	115,461	--	--	11,428	69,746	34,287
CHATHAM	327,980	--	4,588	39,928	260,527	22,937
CLEVELAND	130,302	--	--	13,971	88,389	27,942
DAVIDSON	190,345	--	--	20,106	123,302	46,937
DAVIE	76,249	--	--	8,429	59,392	8,428
DURHAM	113,746	--	5,256	26,283	80,289	1,918
FORSYTH	114,768	--	4,354	--	88,645	21,769
FRANKLIN	192,623	--	--	60,186	122,407	10,030
GASTON	124,264	--	4,564	27,553	78,453	13,694
GRANVILLE	218,298	--	5,345	54,364	133,498	25,091
GUILFORD	198,693	--	--	28,432	155,733	14,528
IREDELL	169,266	--	--	37,333	131,933	--
LINCOLN	90,695	--	--	13,432	77,263	--
MECKLENBURG	152,326	--	--	32,003	67,381	52,942
MONTGOMERY	248,731	--	--	22,971	155,255	70,505
ORANGE	150,303	--	--	32,209	103,030	15,064
PERSON	160,831	--	--	14,858	104,007	41,966
POLK	111,541	--	--	33,448	60,194	17,899
RANDOLPH	316,013	--	--	10,432	227,348	78,233
ROCKINGHAM	231,197	--	--	21,922	170,257	39,018
ROWAN	153,149	--	--	34,965	88,880	29,304
RUTHERFORD	253,859	--	--	15,465	193,355	45,039
STANLY	121,124	--	--	--	74,298	46,826
STOKES	189,985	--	--	28,094	143,915	17,976
SURRY	213,345	4,944	--	29,663	134,248	44,490
UNION	186,077	--	--	28,664	117,283	40,130
VANCE	99,343	--	5,167	8,166	70,508	15,502
WAKE	306,332	--	4,816	106,945	175,306	19,265
WARREN	202,754	--	--	46,541	132,061	24,152
YADKIN	108,452	--	--	--	90,532	17,920
TOTAL	6,027,993	4,944	42,441	882,468	4,113,601	984,539

TABLE 6.--*AREA OF COMMERCIAL FOREST LAND, BY STOCKING CLASSES OF GROWING-STOCK TREES, BY COUNTY, 1975*

COUNTY	ALL CLASSES	STOCKING PERCENTAGE[1]				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
	ACRES					
ALAMANCE	134,442	6,286	20,281	72,385	35,490	--
ALEXANDER	108,282	--	16,275	61,388	30,619	--
ANSON	233,794	12,579	73,654	126,526	21,035	--
CABARRUS	104,783	6,174	23,203	63,805	11,601	--
CASWELL	178,640	--	59,966	105,504	13,170	--
CATAWBA	115,461	5,714	29,085	40,660	22,858	17,144
CHATHAM	327,980	13,764	168,094	98,720	42,814	4,588
CLEVELAND	130,302	--	30,193	67,509	23,285	9,315
DAVIDSON	190,345	--	37,646	127,565	25,134	--
DAVIE	76,249	--	16,856	50,965	8,428	--
DURHAM	113,746	1,742	34,808	52,565	24,631	--
FORSYTH	114,768	--	32,048	65,306	17,414	--
FRANKLIN	192,623	5,016	82,282	95,295	10,030	--
GASTON	124,264	167	45,646	50,206	23,681	4,564
GRANVILLE	218,298	8,362	92,264	99,781	17,891	--
GUILFORD	198,693	9,686	83,089	81,704	24,214	--
IREDELL	169,266	1,267	43,555	105,776	12,445	6,223
LINCOLN	90,695	13,433	31,344	32,486	13,432	--
MECKLENBURG	152,326	4,813	75,320	52,942	14,438	4,813
MONTGOMERY	248,731	--	77,800	138,904	32,027	--
ORANGE	150,303	5,021	45,439	84,779	15,064	--
PERSON	160,831	4,953	44,570	89,151	17,205	4,952
POLK	111,541	96	39,040	54,505	17,900	--
RANDOLPH	316,013	--	93,878	166,834	55,301	--
ROCKINGHAM	231,197	4,335	99,961	100,429	26,472	--
ROWAN	153,149	11,822	48,089	81,584	11,654	--
RUTHERFORD	253,859	--	68,028	135,637	50,194	--
STANLY	121,124	--	27,742	72,547	20,835	--
STOKES	189,985	8,987	46,181	89,877	44,940	--
SURRY	213,345	4,944	50,208	123,588	29,661	4,944
UNION	186,077	5,733	65,176	86,504	28,664	--
VANCE	99,343	8,240	33,430	57,673	--	--
WAKE	306,332	4,817	86,159	168,580	46,776	--
WARREN	202,754	4,831	74,676	113,586	9,661	--
YADKIN	108,452	5,973	29,946	42,667	23,893	5,973
TOTAL	6,027,993	158,755	1,925,932	3,057,933	822,857	62,516

[1] SEE STOCKING STANDARDS ON PAGE 12.

TABLE 7.--*VOLUME OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1975*

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]				
ALAMANCE	492,421	154,526	3,557	113,742	220,596	174,683	62,919	1,315	43,310	67,139
ALEXANDER	301,024	116,484	8,174	55,359	121,007	129,066	49,872	3,222	25,672	50,300
ANSON	609,481	429,385	2,417	66,236	111,443	248,017	164,950	818	35,289	46,960
CABARRUS	279,889	36,371	3,663	67,795	172,060	121,157	32,753	5,634	26,127	56,643
CASWELL	557,037	214,920	4,281	156,744	181,092	213,088	84,777	1,440	61,293	65,578
CATAWBA	361,435	93,141	--	82,239	186,055	127,494	49,915	1,043	18,185	58,351
CHATHAM	1,424,251	670,523	14,386	290,744	448,598	531,953	244,149	7,795	116,109	163,900
CLEVELAND	287,930	107,211	4,452	52,631	123,636	124,337	59,750	832	20,047	43,708
DAVIDSON	671,167	121,133	--	199,551	350,483	241,147	57,204	2,189	73,011	108,743
DAVIE	204,167	29,880	2,111	95,692	76,484	81,946	19,622	1,826	31,694	28,804
DURHAM	395,319	209,053	1,071	75,910	109,285	145,983	70,714	536	29,377	45,356
FORSYTH	324,695	60,507	878	102,886	160,424	141,315	32,015	695	44,527	64,078
FRANKLIN	1,082,980	736,692	1,406	148,199	196,683	318,285	191,654	872	58,378	67,381
GASTON	430,709	201,687	--	105,460	123,562	152,122	68,746	--	38,179	45,197
GRANVILLE	714,566	312,908	1,190	216,558	183,910	300,844	134,159	1,325	88,982	76,378
GUILFORD	926,461	266,668	1,529	313,213	345,051	325,155	119,092	1,363	98,414	106,286
IREDELL	583,232	180,252	1,942	190,959	210,079	234,840	85,002	3,363	70,636	75,839
LINCOLN	445,230	217,039	--	45,772	182,419	162,080	81,474	415	23,342	56,849
MECKLENBURG	597,678	155,428	5,318	143,315	293,617	174,970	60,187	2,494	46,728	65,561
MONTGOMERY	889,243	521,649	1,623	88,015	277,956	344,430	167,982	1,093	48,431	126,924
ORANGE	908,783	413,186	3,262	296,433	195,902	280,975	109,041	1,750	102,675	67,509
PERSON	484,486	247,082	7,492	101,989	127,923	178,486	77,301	3,923	43,824	53,438
POLK	325,797	88,747	10,270	71,150	155,630	120,176	38,342	2,280	25,842	53,712
RANDOLPH	824,505	166,733	4,711	152,706	500,355	358,182	86,971	3,164	71,692	196,355
ROCKINGHAM	443,248	132,540	--	101,948	208,760	255,014	119,443	--	51,231	84,340
ROWAN	661,282	288,002	6,766	164,206	202,308	229,838	104,698	2,842	59,989	62,309
RUTHERFORD	704,590	293,464	7,737	102,317	301,072	298,422	133,280	1,685	37,982	125,475
STANLY	355,649	113,783	2,757	49,708	189,401	138,511	53,914	904	18,215	65,478
STOKES	467,446	185,596	1,104	100,904	179,842	209,498	87,722	860	50,833	70,083
SURRY	552,888	194,426	30,476	120,766	207,220	236,998	79,062	8,995	50,592	98,349
UNION	555,667	228,474	1,851	90,951	234,391	237,065	95,440	1,929	40,355	99,341
VANCE	450,114	299,197	--	108,275	42,642	160,379	100,638	--	40,150	19,591
WAKE	1,516,650	711,954	--	442,536	362,160	484,866	222,493	517	144,351	117,505
WARREN	618,902	300,483	--	159,481	158,938	234,209	103,764	--	69,828	60,617
YADKIN	337,457	138,677	3,424	37,391	157,965	139,109	60,611	583	26,292	51,623
TOTAL	20,786,379	8,637,801	137,848	4,711,781	7,298,949	7,854,640	3,309,656	67,702	1,831,582	2,645,700

[1] 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, 1974*

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*				
ALAMANCE	25,956	7,989	114	5,875	11,978	8,249	3,728	128	1,934	2,459
ALEXANDER	23,477	8,856	811	5,763	8,047	7,331	3,347	442	1,429	2,113
ANSON	53,411	43,341	82	3,885	6,103	17,261	12,543	244	1,694	2,780
CABARRUS	16,731	4,315	1,032	2,947	8,437	6,121	2,213	232	1,033	2,643
CASWELL	37,690	17,271	176	12,557	7,686	11,768	4,753	33	3,633	3,349
CATAWBA	23,306	10,639	--	2,365	10,302	7,147	3,781	83	652	2,631
CHATHAM	100,549	55,763	457	17,754	26,575	30,960	16,578	300	6,552	7,530
CLEVELAND	23,815	10,303	126	6,833	6,553	6,345	3,599	23	1,087	1,636
DAVIDSON	37,513	10,703	--	10,751	16,059	10,170	2,701	147	3,516	3,806
DAVIE	15,273	3,449	28	4,850	6,946	4,357	827	155	1,685	1,690
DURHAM	33,031	17,938	102	3,901	11,090	7,619	4,463	16	1,261	1,879
FORSYTH	23,930	3,992	32	11,435	8,471	7,703	2,088	136	2,677	2,802
FRANKLIN	65,151	43,711	51	11,503	9,886	17,949	11,610	26	2,748	3,565
GASTON	24,868	10,063	--	8,517	6,288	6,757	2,897	--	1,731	2,129
GRANVILLE	56,682	27,210	48	16,848	12,576	17,236	8,458	43	5,222	3,513
GUILFORD	59,006	21,557	93	19,989	17,367	17,426	7,516	37	4,957	4,916
IREDELL	48,618	14,266	567	17,272	16,513	14,826	5,739	105	6,006	2,976
LINCOLN	32,795	16,027	--	6,505	10,263	7,387	3,684	16	1,380	2,307
MECKLENBURG	23,626	8,278	292	5,144	9,912	8,199	3,746	64	2,251	2,138
MONTGOMERY	68,852	38,655	21	8,475	21,701	17,030	8,450	89	2,420	6,071
ORANGE	54,044	24,715	39	17,357	11,933	14,272	5,864	43	5,158	3,207
PERSON	25,996	12,035	481	5,600	7,880	8,583	2,894	109	2,196	3,384
POLK	18,877	5,534	558	5,246	7,539	6,379	2,718	85	1,345	2,231
RANDOLPH	57,837	13,559	420	12,535	31,323	16,242	4,248	242	3,773	7,979
ROCKINGHAM	32,612	13,004	--	8,962	10,646	17,942	10,249	--	3,673	4,020
ROWAN	36,975	20,069	340	8,083	8,483	9,883	3,711	77	3,536	2,559
RUTHERFORD	49,316	24,849	307	6,755	17,405	16,161	6,812	273	2,526	6,550
STANLY	24,829	11,019	103	2,613	11,094	6,031	2,539	109	987	2,396
STOKES	29,746	13,747	157	8,519	7,323	11,569	4,751	96	3,853	2,869
SURRY	39,763	12,544	1,342	13,298	12,579	16,417	5,840	1,623	2,878	6,076
UNION	30,431	12,857	148	3,700	13,726	12,990	5,075	355	2,164	5,396
VANCE	34,038	23,707	--	6,677	3,654	8,729	5,379	--	2,311	1,039
WAKE	103,180	55,426	--	28,054	19,700	25,533	13,510	76	7,241	4,706
WARREN	42,565	22,638	--	11,615	8,312	13,210	6,908	--	3,476	2,826
YADKIN	28,045	9,795	123	9,219	8,908	7,049	3,326	21	1,774	1,928
TOTAL	1,402,534	649,824	8,050	331,402	413,258	422,831	196,545	5,428	100,759	120,099

TABLE 9. --*ANNUAL REMOVALS OF SAWTIMBER AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES GROUP AND COUNTY, 1974*

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*				
ALAMANCE	12,864	6,467	--	3,038	3,359	3,577	2,053	437	486	601
ALEXANDER	1,366	--	--	--	1,366	514	--	--	120	394
ANSON	47,579	30,948	--	5,005	11,626	15,132	9,971	--	2,069	3,092
CABARRUS	18,467	5,873	1,696	--	10,898	5,033	2,369	346	126	2,192
CASWELL	25,130	16,963	--	4,446	3,721	8,001	6,022	109	1,031	839
CATAWBA	35,278	21,201	--	8,539	5,538	9,794	5,110	119	1,811	2,754
CHATHAM	43,967	21,907	--	3,551	18,509	13,174	6,376	100	2,727	3,971
CLEVELAND	7,701	2,248	--	4,045	1,408	3,036	1,655	--	746	635
DAVIDSON	10,933	1,907	--	7,189	1,837	3,921	701	365	2,161	694
DAVIE	4,604	2,656	--	974	974	1,915	1,212	--	372	331
DURHAM	21,289	7,240	--	5,888	8,161	5,837	2,370	219	1,443	1,805
FORSYTH	20,116	5,893	--	7,353	6,870	6,962	2,120	137	2,459	2,246
FRANKLIN	37,917	29,894	--	5,371	2,652	11,985	8,310	--	2,104	1,571
GASTON	20,492	11,490	--	6,021	2,981	5,080	2,701	--	1,357	1,022
GRANVILLE	36,039	17,035	--	10,826	8,178	9,998	4,842	105	2,552	2,499
GUILFORD	26,656	3,849	--	10,217	12,590	6,458	891	--	2,373	3,194
IREDELL	28,210	8,241	--	6,709	13,260	7,516	2,614	200	1,717	2,985
LINCOLN	13,341	637	--	6,335	6,369	4,603	1,167	--	1,600	1,836
MECKLENBURG	15,225	6,802	--	4,616	3,807	4,708	2,054	96	1,462	1,096
MONTGOMERY	26,520	19,453	--	795	6,272	8,129	5,645	--	496	1,988
ORANGE	37,691	22,476	--	6,561	8,654	11,111	5,713	117	3,112	2,169
PERSON	32,149	9,093	--	7,248	15,808	10,267	3,551	251	2,208	4,257
POLK	3,069	1,119	--	--	1,950	1,436	624	--	--	812
RANDOLPH	44,292	19,524	697	3,345	20,726	13,398	5,588	254	1,348	6,208
ROCKINGHAM	11,302	1,810	--	4,911	4,581	4,623	1,300	--	1,866	1,457
ROWAN	10,862	7,161	--	--	3,701	2,989	1,867	--	--	1,122
RUTHERFORD	23,082	9,947	--	2,246	10,889	9,250	5,174	--	608	3,468
STANLY	9,813	7,151	--	--	2,662	2,726	1,822	--	159	745
STOKES	14,556	4,458	--	7,211	2,887	5,439	968	--	2,086	2,385
SURRY	13,656	4,239	--	2,395	7,022	5,020	1,841	--	801	2,378
UNION	18,331	10,775	--	2,025	5,531	9,246	4,526	--	1,344	3,376
VANCE	8,390	6,334	--	2,056	--	3,051	2,366	--	538	147
WAKE	73,057	43,734	--	18,067	11,256	19,738	10,669	--	4,555	4,514
WARREN	30,879	18,409	--	795	11,675	10,436	5,346	--	810	4,280
YADKIN	29,389	24,124	--	657	4,608	7,305	5,787	--	463	1,055
TOTAL	814,212	411,058	2,393	158,435	242,326	251,408	125,325	2,856	49,110	74,118

TABLE 10.--*AREA OF COMMERCIAL FOREST LAND, BY FOREST TYPE AND OWNERSHIP CLASS, 1975*

FOREST TYPE	ALL OWNERSHIPS	OWNERSHIP CLASS				
		NATIONAL FOREST	OTHER PUBLIC	FOREST INDUSTRY	FARMER	MISC. PRIVATE
			ACRES			
SOFTWOOD TYPES:						
WHITE PINE-HEMLOCK	4,944	--	--	--	4,944	--
SPRUCE-FIR	--	--	--	--	--	--
LONGLEAF PINE	--	--	--	--	--	--
SLASH PINE	--	--	--	--	--	--
LOBLOLLY PINE	711,486	3,574	10,564	56,508	339,265	301,575
SHORTLEAF PINE	695,610	3,573	5,957	7,506	340,172	338,402
VIRGINIA PINE	660,563	--	17,384	27,921	355,697	259,561
SAND PINE	--	--	--	--	--	--
EASTERN REDCEDAR	18,084	--	--	--	4,813	13,271
POND PINE	--	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--
PITCH PINE	5,155	--	--	--	--	5,155
TABLE-MOUNTAIN PINE	--	--	--	--	--	--
TOTAL	2,095,842	7,147	33,905	91,935	1,044,891	917,964
HARDWOOD TYPES:						
OAK-PINE	827,383	7,146	19,951	42,741	453,313	304,232
OAK-HICKORY	2,654,050	27,190	11,150	58,366	1,465,457	1,091,887
CHESTNUT OAK	34,571	3,573	--	--	5,216	25,782
SOUTHERN SCRUB OAK	--	--	--	--	--	--
OAK-GUM-CYPRESS	170,531	--	15,232	--	117,612	37,687
ELM-ASH-COTTONWOOD	245,616	--	17,933	4,242	116,616	106,825
MAPLE-BEECH-BIRCH	--	--	--	--	--	--
TOTAL	3,932,151	37,909	64,266	105,349	2,158,214	1,566,413
ALL TYPES	6,027,993	45,056	98,171	197,284	3,203,105	2,484,377

TABLE 11.--*AREA OF COMMERCIAL FOREST LAND, BY OWNERSHIP AND STOCKING CLASSES OF GROWING-STOCK TREES, 1975*

OWNERSHIP CLASSES	ALL CLASSES	STOCKING PERCENTAGE[1]				
		OVER 130	100-130	60-99	16.7-59	LESS THAN 16.7
			ACRES			
NATIONAL FOREST	45,056	--	11,679	17,867	15,510	--
OTHER PUBLIC	98,171	6,559	33,257	40,641	17,714	--
FOREST INDUSTRY	197,284	5,226	80,728	95,194	16,136	--
FARMER	3,203,105	67,848	1,046,090	1,606,607	450,355	32,205
MISC. PRIVATE	2,484,377	79,122	754,178	1,297,624	323,142	30,311
ALL OWNERSHIPS	6,027,993	158,755	1,925,932	3,057,933	822,857	62,516

[1] SEE STOCKING STANDARDS ON PAGE 12.

TABLE 12.--*VOLUME OF TIMBER ON COMMERCIAL FOREST LAND, BY CLASS AND SPECIES GROUP, 1975*

CLASS OF TIMBER	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND CUBIC FEET				
SAWTIMBER TREES:					
SAW-LOG PORTION	4,174,784	1,768,701	26,400	929,270	1,450,413
UPPER-STEM PORTION	585,563	214,148	3,196	143,790	224,429
TOTAL	4,760,347	1,982,849	29,596	1,073,060	1,674,842
POLETIMBER TREES	3,094,293	1,326,807	38,106	758,522	970,858
ALL GROWING-STOCK TREES	7,854,640	3,309,656	67,702	1,831,582	2,645,700
ROUGH TREES:					
SAWTIMBER-SIZE TREES	188,282	10,538	3,039	76,232	98,473
POLETIMBER-SIZE TREES	393,684	20,824	2,057	149,944	220,859
TOTAL	581,966	31,362	5,096	226,176	319,332
ROTTEN TREES:					
SAWTIMBER-SIZE TREES	70,955	953	2,165	26,050	41,787
POLETIMBER-SIZE TREES	18,676	151	181	11,054	7,290
TOTAL	89,631	1,104	2,346	37,104	49,077
SALVABLE DEAD TREES:					
SAWTIMBER-SIZE TREES	8,819	6,486	206	782	1,345
POLETIMBER-SIZE TREES	15,009	13,141	278	526	1,064
TOTAL	23,828	19,627	484	1,308	2,409
TOTAL, ALL TIMBER	8,550,065	3,361,749	75,628	2,096,170	3,016,518

TABLE 13.--*NUMBER OF GROWING-STOCK TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1975*

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	297	77	44	28	90	35	14	--	9	--	--
SLASH PINE	107	107	--	--	--	--	--	--	--	--	--
SHORTLEAF PINE	168,037	73,172	49,211	28,315	11,181	4,192	1,353	441	109	63	--
LOBLOLLY PINE	129,745	54,473	34,102	19,966	11,037	5,589	2,693	1,084	486	298	17
POND PINE	198	--	--	72	--	126	--	--	--	--	--
VIRGINIA PINE	120,026	61,207	34,649	16,112	5,636	1,808	449	137	28	--	--
PITCH PINE	1,894	341	572	501	337	79	39	19	--	6	--
TABLE-MOUNTAIN PINE	979	617	120	162	65	15	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	2,001	1,262	298	165	98	18	58	85	8	9	--
EASTERN HEMLOCK	146	--	41	71	--	14	--	9	7	4	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
PONDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
CEDARS	11,730	7,755	2,475	1,058	360	72	--	10	--	--	--
TOTAL SOFTWOODS	435,160	199,011	121,512	66,450	28,804	11,948	4,606	1,785	647	380	17
HARDWOOD:											
SELECT WHITE OAKS	61,350	22,875	12,566	10,302	6,530	3,968	2,615	1,178	616	629	71
SELECT RED OAKS	10,687	3,449	2,297	2,272	947	638	427	314	146	183	14
CHESTNUT OAK	16,382	6,086	3,790	3,006	1,453	1,102	555	211	76	95	8
OTHER WHITE OAKS	18,248	6,992	4,051	3,462	1,791	1,151	372	275	54	96	4
OTHER RED OAKS	65,537	24,628	15,176	10,117	6,975	3,854	2,243	1,264	565	654	61
HICKORY	34,131	13,077	7,744	4,938	3,357	2,547	1,315	708	227	212	6
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	406	177	--	92	95	32	--	--	--	10	--
SOFT MAPLE	29,656	13,074	6,867	4,194	2,621	1,558	560	417	161	200	4
BEECH	4,809	1,734	706	636	474	465	318	237	41	194	4
SWEETGUM	54,393	24,272	13,869	7,626	4,291	1,924	1,324	565	268	239	15
TUPELO AND BLACKGUM	10,513	4,488	3,194	1,337	869	303	158	65	50	49	--
ASH	8,297	3,364	2,086	1,230	659	392	289	149	72	53	3
COTTONWOOD	18	--	--	--	--	18	--	--	--	--	--
BASSWOOD	10	--	--	--	--	--	--	--	--	10	--
YELLOW-POPLAR	62,047	22,136	13,182	9,631	6,954	4,746	2,515	1,476	728	656	23
BAY AND MAGNOLIA	163	113	50	--	--	--	--	--	--	--	--
BLACK CHERRY	2,435	1,555	614	215	--	18	--	33	--	--	--
BLACK WALNUT	1,382	557	255	351	101	52	36	22	8	--	--
SYCAMORE	2,998	725	887	330	454	174	135	76	75	125	17
BLACK LOCUST	1,697	338	398	441	240	169	46	49	8	5	3
ELM	10,320	4,355	3,188	1,230	869	341	217	54	19	47	--
OTHER EASTERN HARDWOODS	9,761	4,310	2,272	1,016	726	547	385	249	141	107	8
TOTAL HARDWOODS	405,240	158,305	93,192	62,426	39,406	23,999	13,510	7,342	3,255	3,564	241
ALL SPECIES	840,400	357,316	214,704	128,876	68,210	35,947	18,116	9,127	3,902	3,944	258

TABLE 14. --*VOLUME OF ALL LIVE TREES ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1975*

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	4,167	207	309	326	1,612	851	459	--	403	--	--
SLASH PINE	286	286	--	--	--	--	--	--	--	--	--
SHORTLEAF PINE	1,281,654	199,746	321,683	340,110	213,865	117,351	53,011	23,493	7,341	5,054	--
LOBLOLLY PINE	1,226,047	152,723	228,858	238,703	211,798	155,942	105,797	59,383	36,634	32,524	3,685
POND PINE	4,439	--	--	812	--	3,627	--	--	--	--	--
VIRGINIA PINE	801,014	195,015	241,928	190,395	103,873	45,898	16,112	5,776	1,632	385	--
PITCH PINE	18,998	1,070	3,258	4,670	5,155	2,121	1,060	1,164	--	500	--
TABLE-MOUNTAIN PINE	5,517	1,895	804	1,427	1,130	261	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	15,573	3,205	1,892	1,810	1,622	444	1,729	3,780	508	583	--
EASTERN HEMLOCK	2,486	--	266	572	--	331	--	409	492	416	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
PONDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
CEDARS	57,085	20,576	14,405	11,564	5,935	1,704	512	431	--	554	1,404
TOTAL SOFTWOODS	3,417,266	574,723	813,403	790,389	544,990	328,530	178,680	94,436	47,010	40,016	5,089
HARDWOOD:											
SELECT WHITE OAKS	780,818	68,953	80,948	123,810	123,905	105,793	98,895	58,405	41,345	64,250	14,514
SELECT RED OAKS	160,972	14,060	17,843	27,983	18,781	18,036	15,905	16,394	9,883	17,832	4,255
CHESTNUT OAK	190,909	18,246	25,829	36,262	28,286	32,101	21,220	12,425	4,813	10,388	1,319
OTHER WHITE OAKS	193,281	21,933	25,973	39,131	33,656	29,551	15,739	13,382	3,730	9,579	607
OTHER RED OAKS	757,180	74,567	95,957	113,993	125,960	98,189	81,758	59,510	34,344	61,366	11,536
HICKORY	422,667	37,963	54,762	62,103	64,211	70,997	52,434	39,024	15,414	23,340	2,419
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	6,158	949	264	1,153	1,616	1,009	--	--	--	1,167	--
SOFT MAPLE	406,010	67,191	69,033	70,144	61,444	49,229	28,767	23,518	13,208	22,308	1,168
BEECH	104,376	6,415	5,602	10,960	16,138	13,540	13,054	12,392	4,880	20,819	576
SWEETGUM	538,088	71,732	95,289	96,680	88,738	54,865	54,118	30,221	18,465	25,358	2,622
TUPELO AND BLACKGUM	106,077	17,879	24,795	22,098	16,914	8,320	5,176	3,417	3,249	4,229	--
ASH	113,756	16,617	20,376	17,019	15,115	13,586	12,450	8,162	4,189	5,756	486
COTTONWOOD	316	--	--	--	--	316	--	--	--	--	--
BASSWOOD	1,464	--	--	--	--	--	--	424	--	1,040	--
YELLOW-POPLAR	828,907	73,574	89,643	117,305	137,900	131,286	94,512	73,621	47,604	60,146	3,316
BAY AND MAGNOLIA	1,050	747	303	--	--	--	--	--	--	--	--
BLACK CHERRY	24,983	9,970	6,046	4,626	1,324	816	496	1,705	--	--	--
BLACK WALNUT	14,148	1,955	1,592	3,456	2,197	1,711	1,466	1,105	490	176	--
SYCAMORE	59,792	5,165	6,459	4,527	11,463	5,862	5,039	4,019	4,100	10,776	2,382
BLACK LOCUST	29,299	1,662	3,465	6,689	5,965	4,968	2,151	2,333	900	412	754
ELM	102,810	14,990	23,931	17,028	19,659	9,576	8,146	3,588	1,606	4,286	--
OTHER EASTERN HARDWOODS	265,910	84,849	52,286	33,727	24,819	20,075	15,439	11,945	8,991	12,772	1,007
TOTAL HARDWOODS	5,108,971	609,417	700,396	808,714	798,091	669,826	526,765	375,590	217,211	356,000	46,961
ALL SPECIES	8,526,237	1,184,140	1,513,799	1,599,103	1,343,081	998,356	705,445	470,026	264,221	396,016	52,050

TABLE 15.--*VOLUME OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1975*

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	4,167	207	309	326	1,612	851	459	--	403	--	--
SLASH PINE	286	286	--	--	--	--	--	--	--	--	--
SHORTLEAF PINE	1,271,735	196,533	319,010	337,724	212,902	116,667	53,011	23,493	7,341	5,054	--
LOBLOLLY PINE	1,219,680	150,742	226,567	237,754	211,448	155,587	105,797	59,383	36,193	32,524	3,685
POND PINE	4,148	--	--	812	--	3,336	--	--	--	--	--
VIRGINIA PINE	785,283	188,391	237,893	188,539	102,495	44,838	15,719	5,776	1,632	--	--
PITCH PINE	18,840	912	3,258	4,670	5,155	2,121	1,060	1,164	--	500	--
TABLE-MOUNTAIN PINE	5,517	1,895	804	1,427	1,130	261	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	15,306	3,205	1,625	1,810	1,622	444	1,729	3,780	508	583	--
EASTERN HEMLOCK	2,486	--	266	572	--	331	--	409	492	416	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--	--	--
BALDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
PONDCYPRESS	--	--	--	--	--	--	--	--	--	--	--
CEDARS	49,910	18,959	14,051	9,782	5,190	1,497	--	431	--	--	--
TOTAL SOFTWOODS	3,377,358	561,130	803,783	783,416	541,554	325,933	177,775	94,436	46,569	39,077	3,685
HARDWOOD:											
SELECT WHITE OAKS	740,207	63,235	75,968	117,843	119,095	103,556	95,694	56,196	38,625	56,491	13,504
SELECT RED OAKS	150,283	11,004	15,471	27,707	17,722	16,710	15,755	16,098	9,883	17,276	2,657
CHESTNUT OAK	159,607	14,867	21,703	31,664	23,556	27,965	18,071	9,590	4,047	7,080	1,064
OTHER WHITE OAKS	171,394	18,875	23,393	35,181	29,919	28,051	12,793	12,391	2,765	7,419	607
OTHER RED OAKS	721,420	68,879	89,993	109,504	120,415	96,021	78,453	57,902	33,333	56,698	10,222
HICKORY	396,028	34,963	49,484	57,439	61,660	69,056	50,928	35,369	14,274	20,436	2,419
YELLOW BIRCH	--	--	--	--	--	--	--	--	--	--	--
HARD MAPLE	5,526	581	--	1,153	1,616	1,009	--	--	--	1,167	--
SOFT MAPLE	276,241	40,303	43,114	47,256	45,608	38,712	18,359	17,661	9,011	15,773	444
BEECH	86,094	5,713	4,929	8,708	9,227	12,420	11,976	11,653	2,384	18,508	576
SWEETGUM	500,233	60,089	85,747	91,945	84,318	54,319	52,171	29,626	17,205	22,590	2,223
TUPELO AND BLACKGUM	81,860	11,679	19,080	14,548	14,692	7,702	5,176	2,639	2,772	3,572	--
ASH	87,270	9,957	13,007	12,283	12,767	11,382	11,585	7,261	4,189	4,353	486
COTTONWOOD	316	--	--	--	--	316	--	--	--	--	--
BASSWOOD	1,040	--	--	--	--	--	--	--	--	1,040	--
YELLOW-POPLAR	807,843	70,277	87,081	113,914	132,679	129,871	94,023	72,309	46,181	58,612	2,896
BAY AND MAGNOLIA	509	206	303	--	--	--	--	--	--	--	--
BLACK CHERRY	13,267	5,148	3,986	2,119	--	309	--	1,705	--	--	--
BLACK WALNUT	12,810	1,597	1,592	3,456	1,867	1,472	1,231	1,105	490	--	--
SYCAMORE	52,379	2,780	6,180	4,138	9,001	4,707	4,806	3,749	4,100	10,536	2,382
BLACK LOCUST	21,521	1,023	2,436	4,524	4,361	3,898	1,585	2,333	462	412	487
ELM	84,038	10,804	18,880	14,106	15,857	8,598	7,630	2,774	1,317	4,072	--
OTHER EASTERN HARDWOODS	107,396	10,481	14,532	12,552	12,888	14,149	12,863	11,486	8,095	9,343	1,007
TOTAL HARDWOODS	4,477,282	442,461	576,879	710,040	717,248	630,223	493,099	351,847	199,133	315,378	40,974
ALL SPECIES	7,854,640	1,003,591	1,380,662	1,493,456	1,258,802	956,156	670,874	446,283	245,702	354,455	44,659

TABLE 16.--*VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES AND DIAMETER CLASS, 1975*

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	18,865	1,441	7,782	4,514	2,603	--	2,525	--	--
SLASH PINE	--	--	--	--	--	--	--	--	--
SHORTLEAF PINE	3,229,823	1,209,606	938,884	581,054	288,363	135,799	44,384	31,733	--
LOBLOLLY PINE	3,923,813	830,375	924,721	777,372	580,404	347,829	223,247	213,563	26,302
POND PINE	19,482	2,858	--	16,624	--	--	--	--	--
VIRGINIA PINE	1,370,272	638,665	414,666	201,754	76,753	29,631	8,803	--	--
PITCH PINE	63,691	15,282	21,497	10,819	5,741	7,026	--	3,326	--
TABLE-MOUNTAIN PINE	11,855	5,079	5,379	1,397	--	--	--	--	--
SPRUCE PINE	--	--	--	--	--	--	--	--	--
SAND PINE	--	--	--	--	--	--	--	--	--
EASTERN WHITE PINE	51,847	6,648	6,937	2,127	8,870	20,892	2,949	3,424	--
EASTERN HEMLOCK	11,193	1,837	--	1,617	--	2,257	2,838	2,644	--
SPRUCE AND FIR	--	--	--	--	--	--	--	--	--
BALDCYPRESS	--	--	--	--	--	--	--	--	--
PONDCYPRESS	--	--	--	--	--	--	--	--	--
CEDARS	74,808	39,994	24,499	7,784	--	2,531	--	--	--
TOTAL SOFTWOODS	8,775,649	2,751,785	2,344,365	1,605,062	962,734	545,965	284,746	254,690	26,302
HARDWOOD:									
SELECT WHITE OAKS	2,029,686	--	386,613	397,503	411,514	262,152	191,349	300,245	80,310
SELECT RED OAKS	395,423	--	56,930	61,332	63,521	69,949	45,122	84,382	14,187
CHESTNUT OAK	356,864	--	74,146	104,848	74,083	42,885	19,173	35,828	5,901
OTHER WHITE OAKS	701,162	--	200,088	204,718	100,230	101,415	23,307	65,717	5,687
OTHER RED OAKS	1,941,949	--	397,309	376,598	344,787	277,259	168,275	314,104	63,617
HICKORY	1,094,931	--	208,327	278,688	230,487	172,653	74,378	114,716	15,682
YELLOW BIRCH	--	--	--	--	--	--	--	--	--
HARD MAPLE	15,924	--	5,930	4,086	--	--	--	5,908	--
SOFT MAPLE	556,386	--	140,701	141,092	74,381	77,322	41,758	78,735	2,397
BEECH	228,205	--	28,969	40,670	40,463	40,416	8,434	67,100	2,153
SWEETGUM	1,177,435	--	295,780	230,186	249,421	155,094	95,576	136,560	14,818
TUPELO AND BLACKGUM	141,009	--	45,120	28,185	22,294	11,979	13,739	19,692	--
ASH	214,777	--	40,434	44,167	49,772	33,436	20,652	23,372	2,944
COTTONWOOD	1,348	--	--	1,348	--	--	--	--	--
BASSWOOD	5,459	--	--	--	--	--	--	5,459	--
YELLOW-POPLAR	2,448,611	--	461,403	545,444	444,597	373,464	254,067	350,602	19,034
BAY AND MAGNOLIA	--	--	--	--	--	--	--	--	--
BLACK CHERRY	9,098	--	--	1,221	--	7,877	--	--	--
BLACK WALNUT	22,124	--	6,618	5,269	4,437	4,012	1,788	--	--
SYCAMORE	178,001	--	28,875	17,785	21,009	17,724	20,628	57,656	14,324
BLACK LOCUST	49,608	--	15,360	14,163	5,878	8,840	1,780	1,623	1,964
ELM	158,416	--	53,654	32,807	32,224	12,758	6,272	20,701	--
OTHER EASTERN HARDWOODS	284,314	--	43,978	53,385	52,538	49,354	36,043	44,062	4,954
TOTAL HARDWOODS	12,010,730	--	2,490,235	2,583,495	2,221,636	1,718,589	1,022,341	1,726,462	247,972
ALL SPECIES	20,786,379	2,751,785	4,834,600	4,188,557	3,184,370	2,264,554	1,307,087	1,981,152	274,274

TABLE 17.--*NET ANNUAL GROWTH AND REMOVALS OF GROWING STOCK ON COMMERCIAL FOREST LAND, BY SPECIES, 1974*

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
	- - THOUSAND CUBIC FEET - -	
SOFTWOOD:		
YELLOW PINES	196,545	125,325
EASTERN WHITE PINE	2,281	--
SPRUCE AND FIR	--	--
CYPRESS	--	--
OTHER EASTERN SOFTWOODS	3,147	2,855
TOTAL SOFTWOODS	201,973	128,180
HARDWOOD:		
SELECT WHITE AND RED OAKS	42,464	30,291
OTHER WHITE AND RED OAKS	50,104	30,475
HICKORY	13,676	7,629
YELLOW BIRCH	--	--
HARD MAPLE	1,907	--
SWEETGUM	23,617	12,606
ASH,WALNUT, AND BLACK CHERRY	5,699	2,015
YELLOW-POPLAR	55,291	24,139
TUPELO AND BLACKGUM	1,844	1,537
BAY AND MAGNOLIA	16	--
OTHER EASTERN HARDWOODS	26,240	14,536
TOTAL HARDWOODS	220,858	123,228
ALL SPECIES	422,831	251,408

TABLE 18.--*NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1974*

SPECIES	NET ANNUAL GROWTH	ANNUAL TIMBER REMOVALS
	- - - THOUSAND BOARD FEET - - -	
SOFTWOOD:		
YELLOW PINES	649,824	411,058
EASTERN WHITE PINE	2,740	--
SPRUCE AND FIR	--	--
CYPRESS	--	--
OTHER EASTERN SOFTWOODS	5,310	2,393
TOTAL SOFTWOODS	657,874	413,451
HARDWOOD:		
SELECT WHITE AND RED OAKS	151,034	99,185
OTHER WHITE AND RED OAKS	174,236	103,524
HICKORY	45,657	24,772
YELLOW BIRCH	--	--
HARD MAPLE	1,167	--
SWEETGUM	61,582	29,511
ASH,WALNUT, AND BLACK CHERRY	14,195	4,192
YELLOW-POPLAR	216,888	96,873
TUPELO AND BLACKGUM	4,606	1,918
BAY AND MAGNOLIA	--	--
OTHER EASTERN HARDWOODS	75,295	40,786
TOTAL HARDWOODS	744,660	400,761
ALL SPECIES	1,402,534	814,212

TABLE 19.--*MORTALITY OF GROWING STOCK AND SAWTIMBER ON COMMERCIAL FOREST LAND, BY SPECIES, 1974*

SPECIES	GROWING STOCK	SAWTIMBER
	THOUSAND CUBIC FEET	*THOUSAND BOARD FEET*
SOFTWOOD:		
YELLOW PINES	29,558	40,457
EASTERN WHITE PINE	--	--
SPRUCE AND FIR	--	--
CYPRESS	--	--
OTHER EASTERN SOFTWOODS	728	1,529
TOTAL SOFTWOODS	30,286	41,986
HARDWOOD:		
SELECT WHITE AND RED OAKS	1,460	5,088
OTHER WHITE AND RED OAKS	4,763	12,260
HICKORY	1,286	4,047
YELLOW BIRCH	--	--
HARD MAPLE	--	--
SWEETGUM	774	1,926
ASH,WALNUT, AND BLACK CHERRY	1,104	2,585
YELLOW-POPLAR	1,787	7,353
TUPELO AND BLACKGUM	142	--
BAY AND MAGNOLIA	--	--
OTHER EASTERN HARDWOODS	4,176	9,249
TOTAL HARDWOODS	15,492	42,508
ALL SPECIES	45,778	84,494

TABLE 20.--*VOLUME OF ALL LIVE TREES AND GROWING STOCK ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1975*

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	86,085	28,164	605	8,778	48,538	78,867	28,164	605	7,856	42,242
OTHER PUBLIC	181,185	86,250	1,762	57,076	36,097	164,294	85,226	1,479	48,464	29,125
FOREST INDUSTRY	303,991	145,263	1,805	46,688	110,235	285,631	144,279	1,805	40,717	98,830
FARMER	4,599,352	1,755,223	44,349	1,227,388	1,572,392	4,229,332	1,739,816	39,854	1,071,476	1,378,186
MISCELLANEOUS PRIVATE	3,355,624	1,327,222	26,623	754,932	1,246,847	3,096,516	1,312,171	23,959	663,069	1,097,317
ALL OWNERSHIPS	8,526,237	3,342,122	75,144	2,094,862	3,014,109	7,854,640	3,309,656	67,702	1,831,582	2,645,700

TABLE 21.--*VOLUME OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1975*

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	147,944	69,118	1,623	12,572	64,631	104,494	55,439	--	4,280	44,775
OTHER PUBLIC	269,521	178,410	3,118	44,987	43,006	169,493	66,884	--	61,129	41,480
FOREST INDUSTRY	443,118	278,418	4,776	40,014	119,910	270,781	92,293	--	48,294	130,194
FARMER	6,313,494	3,642,737	50,051	1,208,564	1,512,142	4,952,776	963,102	32,744	1,566,520	2,390,410
MISCELLANEOUS PRIVATE	4,600,865	2,541,086	31,875	730,883	1,297,021	3,513,893	650,314	13,661	994,538	1,655,380
ALL OWNERSHIPS	11,774,942	6,609,769	91,443	2,037,020	3,036,710	9,011,437	2,028,032	46,405	2,674,761	4,262,239

[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, 1974*

OWNERSHIP CLASS	NET ANNUAL GROWTH					ANNUAL TIMBER REMOVALS				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND CUBIC FEET									
NATIONAL FOREST	3,145	945	12	377	1,811	375	--	--	182	193
OTHER PUBLIC	8,772	4,971	39	2,089	1,673	12,994	7,551	82	2,560	2,801
FOREST INDUSTRY	16,162	9,509	88	2,048	4,517	13,641	5,989	251	1,774	5,627
FARMER	230,620	104,730	3,542	60,258	62,090	125,038	62,380	983	24,261	37,414
MISCELLANEOUS PRIVATE	164,132	76,390	1,747	35,987	50,008	99,360	49,405	1,539	20,333	28,083
ALL OWNERSHIPS	422,831	196,545	5,428	100,759	120,099	251,408	125,325	2,855	49,110	74,118

TABLE 23.--*NET ANNUAL GROWTH AND REMOVALS OF SAWTIMBER ON COMMERCIAL FOREST LAND, BY OWNERSHIP CLASS AND SPECIES GROUP, 1974*

OWNERSHIP CLASS	NET ANNUAL GROWTH					ANNUAL TIMBER REMOVALS				
	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD	ALL SPECIES	PINE	OTHER SOFTWOOD	SOFT HARDWOOD	HARD HARDWOOD
	THOUSAND BOARD FEET									
NATIONAL FOREST	15,159	4,583	21	1,510	9,045	789	--	--	--	789
OTHER PUBLIC	33,857	21,801	70	7,763	4,223	45,526	28,958	--	8,113	8,455
FOREST INDUSTRY	49,438	26,318	331	5,630	17,159	45,307	20,925	--	4,813	19,569
FARMER	756,272	340,482	4,755	196,314	214,721	403,750	200,631	1,696	78,313	123,110
MISCELLANEOUS PRIVATE	547,808	256,640	2,873	120,185	168,110	318,840	160,544	697	67,196	90,403
ALL OWNERSHIPS	1,402,534	649,824	8,050	331,402	413,258	814,212	411,058	2,393	158,435	242,326

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, 1975*

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	2,984	1,205	6,654	1,455	4,478	1,684	1,916	980	3,164	1,277	2,783	1,122
HARDWOOD	374	176	1,943	541	433	185	250	146	425	194	310	154
TOTAL	3,358	1,381	8,597	1,996	4,911	1,869	2,166	1,126	3,589	1,471	3,093	1,276
OTHER TIMBER:												
SOFTWOOD	--	13	--	--	--	27	--	8	--	10	--	15
HARDWOOD	--	33	--	76	--	76	--	14	--	39	--	26
TOTAL	--	46	--	76	--	103	--	22	--	49	--	41
OAK-PINE TYPES:												
GROWING STOCK:												
SOFTWOOD	1,670	588	5,970	1,293	1,896	501	2,426	652	1,551	560	1,566	604
HARDWOOD	1,531	657	2,304	985	2,480	800	1,313	656	1,618	666	1,341	822
TOTAL	3,201	1,245	8,274	2,278	4,376	1,301	3,739	1,308	3,169	1,226	2,907	1,226
OTHER TIMBER:												
SOFTWOOD	--	6	--	--	--	7	--	--	--	7	--	5
HARDWOOD	--	88	--	28	--	162	--	77	--	85	--	91
TOTAL	--	94	--	28	--	169	--	77	--	92	--	96
UPLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	376	126	199	77	411	125	776	205	349	123	389	125
HARDWOOD	3,061	1,118	2,233	925	2,265	1,001	2,517	972	3,088	1,121	3,101	1,131
TOTAL	3,437	1,244	2,432	1,002	2,676	1,126	3,293	1,177	3,437	1,244	3,490	1,256
OTHER TIMBER:												
SOFTWOOD	--	3	--	--	--	--	--	2	--	4	--	2
HARDWOOD	--	143	--	161	--	148	--	133	--	145	--	141
TOTAL	--	146	--	161	--	148	--	135	--	149	--	143
BOTTOMLAND HARDWOOD TYPES:												
GROWING STOCK:												
SOFTWOOD	346	79	--	--	313	74	--	--	415	98	255	52
HARDWOOD	4,129	1,335	--	--	2,800	1,256	8,877	2,662	4,287	1,335	4,014	1,308
TOTAL	4,475	1,414	--	--	3,113	1,330	8,877	2,662	4,702	1,433	4,269	1,360
OTHER TIMBER:												
SOFTWOOD	--	--	--	--	--	--	--	--	--	--	--	1
HARDWOOD	--	251	--	--	--	218	--	281	--	258	--	246
TOTAL	--	251	--	--	--	218	--	281	--	258	--	247
ALL TYPES:												
GROWING STOCK:												
SOFTWOOD	1,456	560	2,196	501	2,290	799	1,597	621	1,442	559	1,405	546
HARDWOOD	1,992	743	2,197	872	1,757	715	1,439	594	2,099	770	1,913	720
TOTAL	3,448	1,303	4,393	1,373	4,047	1,514	3,036	1,215	3,541	1,329	3,318	1,266
OTHER TIMBER:												
SOFTWOOD	--	7	--	--	--	12	--	4	--	6	--	7
HARDWOOD	--	105	--	126	--	144	--	74	--	110	--	99
TOTAL	--	112	--	126	--	156	--	78	--	116	--	106
ALL TIMBER	3,448	1,415	4,393	1,499	4,047	1,670	3,036	1,293	3,541	1,445	3,318	1,372

[1] ROUGH AND ROTTEN TREES.

TABLE 25.--*LAND AREA, BY CLASS, MAJOR FOREST TYPE, AND SURVEY COMPLETION DATE, 1956, 1964, AND 1975*

LAND USE CLASS	SURVEY COMPLETION DATE			CHANGE
	1956	1964	1975	1964-1975
		ACRES		
FOREST LAND:				
COMMERCIAL FOREST LAND:				
PINE AND OAK-PINE TYPES	3,151,400	3,404,379	2,923,225	-481,154
HARDWOOD TYPES	2,669,700	2,611,487	3,104,768	+493,281
TOTAL	5,821,100	6,015,866	6,027,993	+ 12,127
NONCOMMERCIAL FOREST LAND:				
PRODUCTIVE-RESERVED	15,900	15,902	20,242	+ 4,340
UNPRODUCTIVE	4,500	--	--	--
TOTAL	20,400	15,902	20,242	+ 4,340
NONFOREST LAND:				
CROPLAND	3,485,200	2,800,295	2,187,494	-612,801
PASTURE AND RANGE	708,800	798,089	966,306	+168,217
OTHER	497,900	864,716	1,245,516	+380,800
TOTAL	4,691,900	4,463,100	4,399,316	- 63,784
ALL LAND[1]	10,533,400	10,494,868	10,447,551	- 47,317

[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	1956	6,608,339	--	--	2,173,549	1,860,790	1,049,173	654,441	393,351	205,962	271,073
	1964	6,415,269	--	--	2,079,489	1,820,669	1,182,586	637,925	382,644	168,991	142,965
	1975	8,775,649	--	--	2,751,785	2,344,365	1,605,062	962,734	545,965	284,746	280,992
HARDWOOD	1956	7,959,941	--	--	--	1,701,971	1,775,195	1,325,822	966,827	853,404	1,336,722
	1964	8,656,097	--	--	--	1,885,602	1,922,230	1,505,706	1,119,183	762,630	1,460,746
	1975	12,010,730	--	--	--	2,490,235	2,583,495	2,221,636	1,718,589	1,022,341	1,974,434
GROWING STOCK (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1956	2,780,662	531,254	723,980	618,716	429,843	213,030	120,857	68,042	33,687	41,253
	1964	2,614,378	486,901	641,448	591,941	420,575	240,119	117,807	66,190	27,640	21,757
	1975	3,377,358	561,130	803,783	783,416	541,554	325,933	177,775	94,436	46,569	42,762
HARDWOOD	1956	3,190,916	314,469	490,093	563,349	490,199	433,080	294,300	197,958	166,226	241,242
	1964	3,401,346	371,714	472,483	569,557	543,088	468,951	334,230	229,153	148,545	263,625
	1975	4,477,282	442,461	576,879	710,040	717,248	630,223	493,099	351,847	199,133	356,352
ALL LIVE TIMBER (IN THOUSAND CUBIC FEET)											
SOFTWOOD	1956	2,815,237	543,446	733,236	624,247	432,675	214,692	121,432	68,042	33,967	43,500
	1964	2,645,713	498,076	649,643	597,233	423,356	241,991	118,395	66,190	27,876	22,953
	1975	3,417,266	574,723	813,403	790,389	544,990	328,530	178,680	94,436	47,010	45,105
HARDWOOD	1956	3,655,947	433,780	594,899	641,714	545,345	460,402	314,414	211,306	181,309	272,778
	1964	3,899,538	512,743	573,517	648,792	604,179	498,539	357,058	244,649	161,996	298,065
	1975	5,108,971	609,417	700,396	808,714	798,091	669,826	526,765	375,590	217,211	402,961

[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.

* G P O 1979 - 640-190 / 4518, REGION NO. 4

Welch, Richard L.
1975. Forest statistics for the Piedmont of North Carolina, 1975. USDA For. Serv. Resour. Bull. SE-32, 33 p. Southeast. For. Exp. Stn., Asheville, N. C.

Since 1964, commercial forest land has shown little change in the 35-county area, but the total volume of growing stock has increased by 1.8 billion cubic feet. All major species in the region have increased in volume except shortleaf pine, which was down slightly. Volume of softwood growing stock increased by 29 percent, and volume of hardwood growing stock increased by 32 percent. In 1974, annual net growth of growing stock exceeded removals by 171 million cubic feet.

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Forest Service - U.S. Department of Agriculture
Southeastern Forest Experiment Station
Asheville, North Carolina

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