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Forest Statistics for South Mississippi Counties—1994

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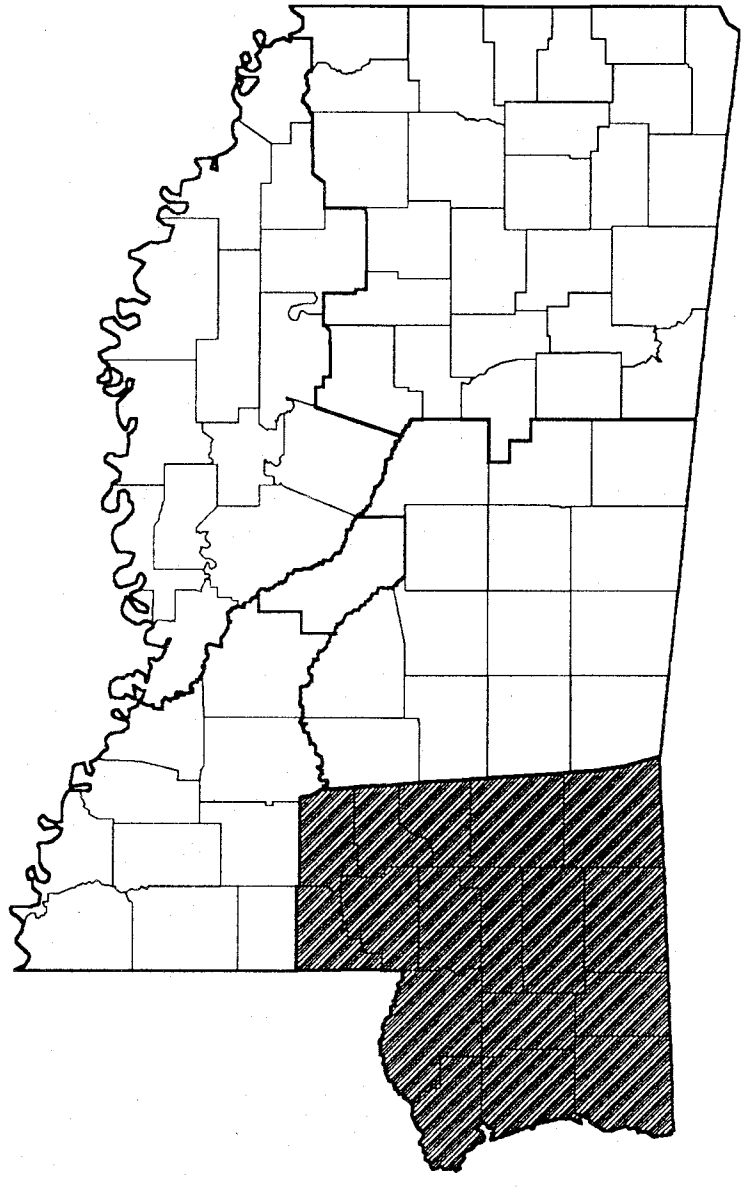

FOREWORD

The USDA Forest Service, Southern Forest Experiment Station, Forest Inventory and Analysis (SO-FIA) unit, conducts forest inventories covering Alabama, Arkansas, Louisiana, Mississippi, east Oklahoma, Tennessee, east Texas, and the Commonwealth of Puerto Rico.

The SO-FIA forest inventories are part of a nationwide effort originally authorized by the McSweeney–McNary Act of 1928. More recent legislation pertinent to the SO-FIA mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The SO-FIA mission is to develop, to analyze, and to maintain forest resource information that is essential for formulation of forest policies and programs.

ACKNOWLEDGMENTS

The SO-FIA unit gratefully acknowledges the cooperation and assistance provided by the Mississippi Forestry Commission and Georgia–Pacific Corporation in collecting field data. The extra effort made by the Southeast District of the Mississippi Forestry Commission is greatly appreciated. Appreciation is also expressed for the cooperation of other public agencies and private landowners in providing access to measurement plots.

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*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the Eastern United States.

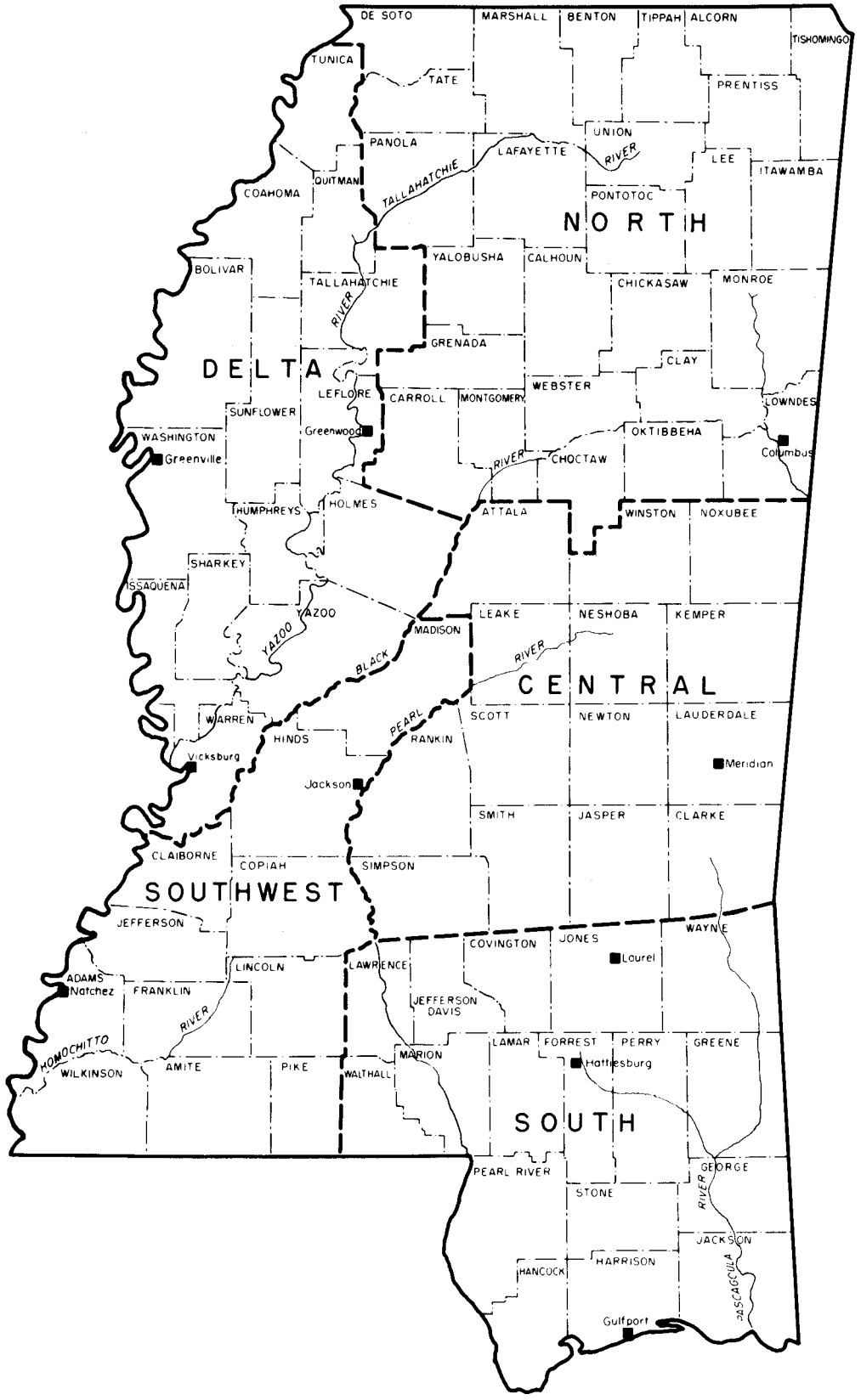

Figure I.—*Forest survey regions in Mississippi.*

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INTRODUCTION

Tabulated results were derived from data obtained during a 1994 forest inventory of south Mississippi counties (fig. I). Field work was conducted from May 1993 to September 1993. Core tables 1 through 25 are compatible among Forest Inventory and Analysis (FIA) units in the Eastern United States. Supplemental tables 26 through 44 provide information beyond that provided by the core tables. Comparisons are made between results of the 1994 inventory and previous inventories conducted in 1987 and 1977.

METHODS

The Southern Forest Experiment Station, Forest Inventory and Analysis unit (SO-FIA) uses a two-phase sample of temporary aerial-photo points and a systematic grid of permanent ground plots. The area of forested land was determined by photointerpretation of temporary points and field checks of permanent plots. Field measurements were conducted on a subset of permanent plots spaced 3 miles apart. Trees were measured on plots that were forested at the time of the current inventory or at the time of the previous inventory.

Each plot consisted of 10 satellite points spread over about 1 acre. At each point, trees 5.0 inches in diameter at breast height (d.b.h.) and larger were selected for measurement on a variable-radius plot defined by a 37.5-factor prism. Thus, each tree selected with the prism represented 3.75 square feet of basal area per acre. Trees from 1.0 to 4.9 inches in d.b.h. were tallied on a 1/275-acre fixed plot at each of the first three points and at any remaining points where fewer than two trees 5.0 inches in d.b.h. or larger were tallied. If no trees greater than 1.0 inch were tallied at a point, then seedlings were tallied. Several plot-level measurements relating to timber and other forest resources were also collected.

Tree data were used to estimate volume, basal area, number of trees, and other plot-level variables. Ownership information was obtained for each measurement plot using tax records and other sources. Plot-level estimates were expanded using county-level factors derived as part of the forest area determination.

Over successive inventories, techniques have evolved so that some changes have been instituted. In recent inventories these changes have been mostly minor in scale and have been instituted because of the availability of better methods or to achieve greater compatibility among FIA units. These changes may, in some cases, affect the ability to discern minor shifts in resource trends.

The major change affecting the 1994 inventory is the modified tree classification system that has been in effect since the 1988 inventory of Arkansas. Tree grade 5 is used to designate trees capable of producing at least one 12-foot log or two 8-foot logs in the sawlog portion, but not capable of producing a gradable 12-foot log in the butt 16-foot section. These trees–formerly classified as rough or rotten culls–are now included in growing stock. In previous inventories where this revision has been in effect, these trees have increased softwood growing-stock volume 1 to 2 percent and hardwood, 6 to 8 percent. Comparisons of the current inventory with previous estimates of growing stock are based on data that have been reprocessed to account for the change in definition as far as possible.

Another change affecting the classification of growing-stock trees is the requirement that at least one-third of the sawlog volume (or prospective volume, in the case of smaller-than-sawtimber size trees) has to be utilizable. Previously, one-half the volume had to be utilizable. In the previous inventories where this revision in utilizable volume has been in effect, few trees have been affected.

Two final changes affecting trend analysis involve area estimate changes. First, the use of the U.S. Census Bureau's land area estimates for the determination of the land area expanders affects area change analysis. In the 1987 survey, the U.S. Census Bureau's 1980 land area estimates were used; in the 1994 survey, the 1990 land area estimates were used. The result of this change is that total land area in this unit decreased 76,400 acres from the 1987 to 1994 forest surveys. Much of this change is due to the Census Bureau's new definition of the water classification, which includes areas previously classified as land. Another change affecting area trend analysis concerns the classification of national forest lands. In the 1987 survey, forest area for all ownerships was calculated based on an estimate of forest area for the county. That is, each national forest plot's expansion factor was based on the forest area for the county in which the plot occurred. For the 1994 survey of Mississippi, national forest lands were enumerated, and each plot's expansion factor was based on the forest area of national forest lands in that county.

Because of the revised definitions and to better assess trends, analysis of trends in inventory volume, growth, removals, and mortality will focus on live trees, rather than growing-stock, as had been done in the past.

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Table I.—*Sampling errors* for timberland, live trees, growing stock, and sawtimber, south Mississippi counties, 1994*

County	Timberland	Live trees			Growing stock			Sawtimber volume
		Volume	Growth	Removals	Volume	Growth	Removals	
	Percent							
Covington	2.8	24.5	12.3	43.5	25.5	12.7	43.6	40.0
Forrest	3.0	10.5	8.8	27.1	11.0	11.2	27.2	14.8
George	2.0	13.1	19.0	34.5	13.7	19.1	35.8	19.3
Greene	1.6	10.6	10.1	18.7	10.8	11.4	19.0	15.0
Hancock	2.9	14.2	13.1	35.6	14.4	12.1	35.4	17.4
Harrison	1.9	12.7	11.2	34.5	12.9	11.5	34.4	17.6
Jackson	2.1	13.5	14.0	39.1	13.7	14.7	40.5	16.5
Jefferson Davis	3.5	25.5	18.1	46.3	26.4	18.4	46.2	34.6
Jones	2.3	10.6	8.1	25.5	10.8	7.5	25.6	13.5
Lamar	2.7	13.5	12.7	32.6	14.0	13.0	32.6	20.7
Lawrence	1.9	13.6	14.1	25.9	13.6	13.1	26.1	20.2
Marion	2.8	15.5	19.7	28.6	16.0	17.7	28.7	18.4
Pearl River	1.9	11.1	11.8	23.8	11.3	11.4	23.8	17.1
Perry	1.4	9.8	13.8	30.9	10.2	13.2	31.1	13.4
Stone	1.7	11.7	14.4	26.6	11.8	14.1	26.5	15.0
Walthall	3.1	19.6	20.1	†	20.1	15.5	†	26.5
Wayne	1.4	7.0	8.7	25.2	7.2	9.0	25.1	10.6
All counties	0.6	3.1	3.3	7.5	3.2	3.3	7.5	4.3

*By random-sampling formula.
†Sampling error greater than 50 percent.

STATISTICAL RELIABILITY

The sampling methods were designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I are equal to one standard deviation for the sample estimates and may be used to compute confidence intervals for population data.

As an example, the 95-percent confidence interval for growing-stock volume in south Mississippi counties is computed as follows:

$$4{,}555.3 \pm 1.96(0.032 \times 4{,}555.3) = 4{,}555.3 \pm 285.7$$

where 1.96 is the number of standard deviations. Therefore, the 95-percent confidence interval is 4,269.6 to 4,841.0 million cubic feet. This interval captures the true growing-stock inventory volume for the region unless a 1-in-20 chance of a random event has occurred.

The results are reported for individual counties, thereby allowing computation of statistical confidence for any combination of counties. Values for individual counties are subject to high sampling errors; users are cautioned about using data for single counties. The sampling error may be estimated for any group of counties by the following formula:

$$SE_g = SE_t \frac{\sqrt{X_t}}{\sqrt{X_g}}$$

where

SE_g = standard error of estimate (expressed as a percentage) for the group of counties desired
SE_t = standard error of estimate (expressed as a percentage) for the unit
X_g = sum of values for the variable of interest (area or volume) for the group of counties to be combined
X_t = total area or volume for the unit.

For example, the estimate of sampling error for growing-stock volume in George, Hancock, Harrison, Jackson, and Stone Counties is computed as:

$$SE_g = 3.2 \frac{\sqrt{4{,}555.3}}{\sqrt{1{,}263.2}} = 6.1.$$

Thus, the sampling error is 6.1 percent, and the resulting 95-percent confidence interval for growing-stock volume in the five-county area is 1,263.2 ± 151.0 million cubic feet.

Table II.—*Components of annual change in the volume of live trees by inventory period and species group, south Mississippi counties, 1994**

Inventory period and species group	Gross growth		Removals
	Net growth	Mortality	
	Million cubic feet		
1977 to 1987			
Softwoods	150.5	28.7	146.8
Hardwoods	81.1	25.4	43.3
Total	231.6	54.1	190.1
1987 to 1994			
Softwoods	205.0	18.8	173.6
Hardwoods	74.3	20.6	74.4
Total	279.2	39.4	247.9

*Numbers in columns and rows may not add to totals due to rounding.

HIGHLIGHTS

Area

The south Mississippi survey unit is 76 percent forested, with 4,674,200 acres of forest land. There are 8,050 acres of reserved timberland in the unit, and no woodland. The 4,666,200 acres of timberland account for 99.8 percent of the forest land. This reflects an 8 percent increase over 1987's estimate of timberland. The largest increases were in the private corporate and private individual ownership classes. Private owners combined account for 85 percent of the timberland area. Farmer-owned timberland decreased 24 percent to 582,700 acres; forest industry-owned and leased timberland increased 6 percent to 1,130,900 acres. Excluding national forests, publicly-owned timberland increased 14 percent to 215,400 acres. The decrease in the national forest area is due to the effects of changes in the method of enumerating national forest area for the 1994 survey.

The loblolly–shortleaf pine forest type covers 25 percent of the timberland area, up 37 percent from 1987 to 1,188,700 acres. Oak–pine area accounts for 22 percent of the timberland, a decline of 3 percent from 1987 to 1,039,800 acres. Longleaf–slash pine forest type area accounts for 18 percent of the timberland, a 4 percent increase from 1987 to 853,700 acres. The oak–hickory and oak–gum–cypress forest types each cover 17 percent of the timberland in the unit. Oak–hickory area declined 8 percent from 1987 to 771,000 acres; oak–gum–cypress area increased 11 percent to 801,500 acres. The pine types combined account for 44 percent of the timberland in the unit. Large increases occurred in the planted pine types, up 60 percent from 1987 to 1,048,900 acres. The natural pine types decreased slightly.

Since 1987, trends in timberland area by stand-size class reveal a 23 percent increase in poletimber stands to 1,163,000 acres. Poletimber stands comprise 25 percent of the timberland area. Sapling-seedling stands increased 5 percent to 1,934,300 acres and comprise 41 percent of the timberland area. Sawtimber stands remained virtually unchanged at 1,534,800 acres and account for 33 percent of the timberland area. Nonstocked areas increased, but only account for 1 percent of the total timberland area. The proportion of timberland in the stand-size classes changed very little from 1987 to 1994.

Stand structure

Overall, the number of live trees in all diameter classes increased 14 percent. There were increases in all diameter classes except the 11.0- to 12.9-inch class. The largest increase was in trees less than 5.0 inches in d.b.h. The number of live trees 5.0 inches in d.b.h. and greater also increased, up 14 percent since 1987.

The number of live softwood trees in all diameter classes increased 21 percent. Softwoods less than 5.0 inches in d.b.h. increased 18 percent. The number of live softwood trees 5.0 inches in d.b.h. and greater increased 29 percent. The largest increases were in the 3.0- to 4.9-inch and 5.0- to 6.9-inch diameter classes. The 11.0- to 12.9-inch class decreased 9 percent.

The number of live hardwood trees increased 11 percent. Hardwoods less than 5.0 inches in d.b.h. increased 12 percent, while hardwoods 5.0 inches in d.b.h. and greater increased less than 1 percent. There were decreases in the 5.0- to 6.9-inch and 11.0- to 12.9-inch classes.

The average basal area of all live trees is 71.7 square feet per acre, up 4 percent from 1987. Forty-eight percent of the basal area is in softwoods and 52 percent is in hardwoods. Softwood basal area increased 10 percent since 1987; hardwood basal area decreased 1 percent since 1987. The average basal area of softwood sapling-seedling trees increased 16 percent; poletimber trees increased 28 percent; sawtimber trees decreased 3 percent. For hardwoods, the average basal area of live sapling-seedling trees increased 4 percent. The average basal area for hardwood poletimber and sawtimber trees both decreased, down 4 percent and 2 percent, respectively.

Inventory

Softwood live-tree volume increased 13 percent since 1987, and accounts for 57 percent of the total live-tree volume. Loblolly pine volume increased 24 percent and comprises 44 percent of the softwood volume, compared with 40 percent in 1987. Loblolly pine volume accounts for 25 percent of the total live-tree volume in the unit. The second most predominant species, in terms of volume, remains slash pine, comprising 26 percent of the softwood live-tree volume and 15 percent of the total live-tree volume. Slash pine volume increased 13 percent since 1987. Longleaf pine volume increased about 2 percent since 1987 and comprises 20 percent of the softwood volume; 11 percent of the total live-tree volume. Shortleaf pine volume, comprising 7 percent of softwood volume, decreased 9 percent. Eastern redcedar, Atlantic white-cedar, and cypress volumes all increased since 1987, but comprise only 1 percent of all softwood volume. Spruce pine volume remained unchanged.

The estimate of hardwood all live volume did not change from 1987's estimate. Hardwoods account for 43 percent of the total live-tree volume. Seven species groups account for 80 percent of the hardwood live-tree volume in the unit: other red oaks, blackgum, sweetbay, sweetgum, other gums and tupelos, yellow-poplar, and select white oaks. Other red oaks volume increased 8 percent since 1987. It accounts for 25 percent of hardwood live-tree volume and 11 percent of the total live-tree volume. Blackgum volume decreased 5 percent and accounts for 14 percent of hardwood live-tree volume and 6 percent of the total live-tree volume. Sweetbay volume increased 2 percent and accounts for 11 percent of the hardwood volume, 5 percent of the total volume. Sweetgum volume increased 3 percent and accounts for 10 percent of the hardwood volume, 4 percent of the total volume. Other gums and tupelos volume increased 6 percent, while yellow-poplar volume increased 19 percent. Both of these species groups account for 7 percent of the hardwood volume, 3 percent of the total volume. Select white oaks volume increased 2 percent and accounts for 5 percent of the hardwood volume, 2 percent of the total volume.

Average live-tree volume per acre increased less than 1 percent from 1,064 cubic feet to 1,068 cubic feet. Softwood volume per acre is 608 cubic feet, up 5 percent since 1987; hardwood volume per acre is 460 cubic feet, down 5 percent.

Softwood sawtimber volume increased 10 percent and comprises 68 percent of the total sawtimber volume. Softwood volume in all grades increased. Grade 1 volume, accounting for 23 percent of the softwood sawtimber volume, had the largest increase, up 45 percent from 1987. Grade 3 volume accounts for 58 percent of the softwood sawtimber volume. The estimate of hardwood sawtimber volume did not change from 1987's estimate. Hardwoods account for 32 percent of the sawtimber volume. Volume increased in all grades, except grade 4 which decreased 41 percent. A change in tree-grading methods could account for some of this apparent change (see Methods section).

Components of change

The average net annual growth of live-tree volume from 1987 to 1994 increased 12 percent to 59.8 cubic feet per acre per year over the previous period (1977 to 1987). Overall, growth of all live softwoods increased 36 percent, while hardwood growth decreased 8 percent.

Average annual live-tree mortality decreased for all species. Softwood mortality decreased 35 percent; hardwood mortality decreased 19 percent.

Average annual live-tree removals for the period increased for both softwoods and hardwoods. Softwood removals increased 18 percent, while hardwood removals increased 72 percent. Seventy percent of the removals were softwoods, a change over the previous period when softwoods comprised 77 percent of the removals.

Average annual sawtimber removals also increased for both softwoods and hardwoods, up 25 percent and 94 percent, respectively.

The average net annual all live growth-to-removals trends indicate an increasing inventory. The growth-to-removals trends for softwoods improved over the last period. The growth-to-removals ratio is now approximately 1-to-1 for hardwoods; for the previous period, it was approximately 2-to-1.

Conclusions

The 1994 forest survey of south Mississippi counties revealed some changes in the forest resources since the last forest survey. Timberland area increased 8 percent. There were large increases in planted pine type forests, up 60 percent. Softwood live-tree volume increased 13 percent.

Average annual live-tree removals increased for both softwoods and hardwoods, up 18 and 72 percent respectively. The growth-to-removals trends still indicate an increasing inventory. However, the growth-to-removals ratio for hardwoods changed from 2-to-1 in the previous survey to 1-to-1.

APPENDIX

Definition of Terms

Dimension Classes of Trees

Poletimber trees—Softwoods 5.0 inches to 8.9 inches in diameter at breast height (d.b.h.) and hardwoods 5.0 to 10.9 inches in d.b.h.

Rough, rotten, and salvable dead trees—See "tree classes."

Saplings—Trees 1.0 inch to 4.9 inches in d.b.h.

Sawtimber trees—Trees 9.0 inches and larger in d.b.h. for softwoods and 11.0 inches and larger for hardwoods.

Seedlings—Trees less than 1.0 inch in d.b.h. and greater than 1 foot tall for hardwoods, greater than 6 inches tall for softwoods, and greater than 0.5 inch in diameter at ground level for longleaf pine.

Forest Land Classes

Forest land—Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest uses. Minimum area considered for classification is 1 acre. Forest land is divided into timberland, reserved timberland, and woodland.

Reserved timberland—Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

Timberland—Forest land that is producing, or is capable of producing, crops of industrial wood and is not withdrawn from timber utilization. Timberland is synonymous with "commercial forest land" in prior reports.

Woodland—Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

Forest Types

Elm–ash–cottonwood—Forests in which elms, ashes, or cottonwoods, singly or in combination, comprise a plurality of the stocking. Common associates include willows, sycamore, American beech, and maples.

Loblolly–shortleaf pine—Forests in which pines (except longleaf and slash pines) and eastern redcedar, singly or in combination, comprise a plurality of the stocking. Common associates include oaks, hickories, and gums.

Longleaf–slash pine—Forests in which longleaf or slash pines, singly or in combination, comprise a plurality of the stocking. Common associates include other southern pines, oaks, and gums.

Nontyped—Timberland currently unoccupied by any live trees or seedlings; for example, very recent clearcut areas.

Oak–gum–cypress—Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprise a plurality of the stocking except where pines comprise 25 to 49 percent, in which case the stand would be classified oak–pine. Common associates include cottonwoods, willows, ashes, elms, hackberry, and maples.

Oak–hickory—Forests in which upland oaks or hickories, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 49 percent, in which case the stand would be classified oak–pine. Common associates include yellow-poplar, elms, maples, and black walnut.

Oak–pine—Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking, but in which softwoods, except cypress, comprise 25 to 49 percent of the stocking. Common associates include gums, hickories, and yellow-poplar.

Growth Classes

Gross growth—Total increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Gross growth equals survivor growth, plus ingrowth, plus growth on removals, plus growth on mortality, plus cull increment (for growing stock computations). Gross growth includes mortality.

Net change—Increase or decrease in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net change is equal to net growth minus removals.

Net growth—Increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net growth is equal to gross growth minus mortality.

Miscellaneous Definitions

Average annual mortality—Average annual sound-wood volume of growing-stock or live trees that died from natural causes for the intersurvey period.

Average annual removals—Average net annual volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use for the intersurvey period.

Average net annual growth—Average net annual volume increase of growing-stock or live trees for the intersurvey period.

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 in square feet per acre.

Cull increment—The change in growing-stock volume due to growing-stock, rough, or rotten trees changing tree class between surveys.

D.b.h. (diameter at breast height)—Tree diameter in inches, outside bark, usually measured at 4.5 feet above ground.

Diameter classes—The 2-inch diameter classes extend from 1.0 inch below to 0.9 inch above the stated midpoint. Thus, the 12-inch class includes trees 11.0 inches through 12.9 inches in d.b.h.

D.o.b. (diameter outside bark)—Stem diameter including bark.

Log grades—A classification of logs based on external characteristics as indicators of quality or value.

Mortality—Number or sound-wood volume of growing-stock trees or live trees that died from natural causes during a specified period.

Natural stands—Stands with no evidence of artificial regeneration including those stands established by seed-tree regeneration methods.

Plantations—Planted or artificially seeded stands.

Removals—The net volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber stand improvement), land clearing, or changes in land use.

Sawlog portion—That portion of the bole of a sawtimber tree between a 1-foot stump and the sawlog top.

Sawlog top—The point on the bole of a sawtimber tree above which a sawlog cannot be produced. The minimum sawlog top is 7.0 inches in d.o.b. for softwoods and 9.0 inches in d.o.b. for hardwoods.

Select red oaks—A group of several red oak species composed of cherrybark, Shumard, and northern red oaks. Other red oak species are included in the "other red oaks" group.

Select white oaks—A group of several white oak species composed of white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks. Other white oak species are included in the "other white oaks" group.

Site class—A classification of forest land in terms of potential capacity to grow crops of industrial wood.

Tree grade—A classification of the sawlog portion of sawtimber trees based on: (1) the grade of the butt log or (2) the ability to produce at least one 12-foot or two 8-foot logs in the upper section of the sawlog portion. Tree grade is an indicator of quality; grade 1 is the best quality.

Upper-stem portion—That part of the main stem of a sawtimber tree above the sawlog top to a d.o.b. of 4.0 inches or to the point where the main stem breaks into limbs.

Ownership Classes

Farmer–owned land—Lands operated as a unit of 10 acres or more and from which the sale of agricultural products totals $1,000 or more annually.

Forest industry land—Lands owned by companies or individuals operating wood-using plants (either primary or secondary).

National forest land—Federal lands that have been legally designated as national forests or purchase units and other lands under the administration of the Forest Service, including experimental areas.

Nonindustrial private land (corporate)—Lands privately owned by private corporations other than forest industries and incorporated farms.

Nonindustrial private land (individual)—Lands privately owned by individuals other than forest industries or farmers.

Other Federal land—Federal lands other than national forests.

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

Stand-size Classes

Nonstocked stands—Stands less than 16.7 percent stocked with live trees.

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

Sapling-seedling stands—Stands at least 16.7 percent stocked with live trees, with more than half of this stocking in saplings or seedlings.

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

Stocking

Stocking is a measure of the extent to which the growth potential of the site is utilized by trees or preempted by vegetative cover. Stocking is determined by comparing the stand density in terms of number of trees or basal area with a specified standard. Therefore, full stocking is 100 percent of the stocking standard.

The tabulation below shows the density standard in terms of trees per acre by size class required for full stocking.

D.b.h.	Trees per acre	D.b.h.	Trees per acre
Inches		*Inches*	
Seedlings	600	16	72
2	560	18	60
4	460	20	51
6	340	22	42
8	240	24	36
10	155	26	31
12	115	28	27
14	90	30	24

Stocking categories are arbitrarily defined as follows:

Optimally stocked—Stands 61 to 100 percent stocked with growing-stock trees. These stands are growing toward a fully stocked condition (ideal space required for each tree increases with age). Optimum growth and bole form occur in this range.

Overstocked—Stands greater than 100 percent stocked with growing-stock trees. These stands will become stagnant with mortality of individuals increasing as stocking increases over 100 percent.

Understocked—Stands 0 to 60 percent stocked with growing-stock trees. These stands will take a very long time to reach full stocking. Meanwhile, poor bole form will result, and much of the productivity will be placed on heavy limbs instead of on the bole.

Tree Classes

Commercial species—Tree species currently or potentially suitable for industrial wood products.

Cull trees—Rough or rotten trees.

Growing-stock trees—Living trees of commercial species classified as sawtimber, poletimber, saplings, and seedlings. Trees must contain at least one 12-foot or two 8-foot logs in the sawlog portion currently or potentially (if too small to qualify) to be classed as growing stock. The log(s) must meet dimension and merchantability standards to qualify. Trees must also have currently or potentially one-third of the gross board-foot volume in sound wood.

Hardwoods—Dicotyledonous trees, usually broad leaved and deciduous.

Live trees—All living trees. Included are all size classes, all tree classes, and both commercial and noncommercial species.

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

Rotten trees—Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of rot deduction in the sawlog section. See definition of growing-stock trees.

Rough trees—Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of roughness or poor form in the sawlog section. Also included are all live trees of noncommercial species. See definition of growing-stock trees.

Salvable dead trees—Standing or downed dead trees that were formerly growing stock and are considered merchantable. Trees must be at least 5.0 inches in d.b.h. to qualify.

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

Volume

Volume of cull—The cubic-foot volume of sound wood in rough and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of growing stock—The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of live trees—The cubic-foot volume of sound wood in growing-stock, rough, and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of sawlog portion of sawtimber trees—The cubic-foot volume of sound wood in the sawlog portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of sawtimber—The board-foot volume (International 1/4-inch Rule) of sound wood in the sawlog portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of timber—The cubic-foot volume of sound wood in growing-stock, rough, rotten, and salvable dead trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Table 1.—*Area by county and land class, south Mississippi counties, 1994**

County	All land†	Forest land				Nonforest land
		Total	Timberland	Woodland	Reserved timberland	
	Thousand acres					
Covington	264.8	190.8	190.8	0.0	0.0	74.1
Forrest	298.7	224.3	224.3	0.0	0.0	74.4
George	306.1	236.5	236.5	0.0	0.0	69.6
Greene	456.3	421.0	420.1	0.0	0.9	35.3
Hancock	305.2	229.7	229.7	0.0	0.0	75.5
Harrison	371.9	291.9	291.9	0.0	0.0	79.9
Jackson	465.1	359.7	359.7	0.0	0.0	105.4
Jefferson Davis	261.4	165.0	165.0	0.0	0.0	96.4
Jones	444.1	302.6	302.6	0.0	0.0	141.5
Lamar	318.3	260.3	260.3	0.0	0.0	58.1
Lawrence	275.6	196.0	196.0	0.0	0.0	79.6
Marion	347.1	239.7	239.7	0.0	0.0	107.4
Pearl River	519.4	367.5	367.5	0.0	0.0	151.9
Perry	414.2	369.2	362.1	0.0	7.1	45.0
Stone	285.1	230.6	230.6	0.0	0.0	54.5
Walthall	258.5	143.2	143.2	0.0	0.0	115.2
Wayne	518.6	446.3	446.3	0.0	0.0	72.3
All counties	6,110.4	4,674.2	4,666.2	0.0	8.1	1,436.2

*Numbers in columns and rows may not add to totals due to rounding.
†From the U.S. Bureau of the Census.

Table 2.—*Area of timberland by county and ownership class, south Mississippi counties, 1994**

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry†	Farmer	Corporate‡	Individual‡
	Thousand acres								
Covington	190.8	0.0	0.0	0.0	0.0	27.3	34.1	0.0	129.4
Forrest	224.3	43.7	5.6	0.0	5.6	11.3	5.6	22.6	129.8
George	236.5	11.1	0.0	45.1	0.0	70.8	45.1	12.9	51.5
Greene	420.1	27.1	0.0	5.5	0.0	143.9	60.9	11.1	171.6
Hancock	229.7	0.0	18.1	0.0	0.0	54.4	12.1	66.5	78.6
Harrison	291.9	62.5	0.0	5.5	21.8	71.0	5.5	21.8	103.8
Jackson	359.7	15.6	31.3	37.5	0.0	87.6	6.3	37.5	143.9
Jefferson Davis	165.0	0.0	0.0	0.0	0.0	60.5	49.5	0.0	55.0
Jones	302.6	34.8	0.0	0.0	0.0	31.9	44.6	31.9	159.4
Lamar	260.3	0.0	0.0	0.0	0.0	88.7	47.3	11.8	112.4
Lawrence	196.0	0.0	0.0	0.0	0.0	63.4	80.7	11.5	40.4
Marion	239.7	0.0	0.0	11.4	0.0	40.0	85.6	34.2	68.5
Pearl River	367.5	3.8	6.5	6.5	0.0	84.4	32.5	39.0	194.8
Perry	362.1	143.6	0.0	0.0	0.0	83.5	19.3	6.4	109.2
Stone	230.6	38.6	0.0	14.8	0.0	64.0	19.7	4.9	88.6
Walthall	143.2	0.0	0.0	0.0	0.0	5.5	27.5	0.0	110.2
Wayne	446.3	89.6	0.0	0.0	0.0	142.7	6.5	0.0	207.6
All counties	4,666.2	470.4	61.6	126.3	27.5	1,130.9	582.7	312.2	1,954.6

*Numbers in columns and rows may not add to totals due to rounding.
†Includes land leased to forest industries.
‡Land owned by Indians will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

Table 3.—*Area of timberland by county and forest type group, south Mississippi counties, 1994**

County	Total	Forest type group								
		Longleaf–slash pine		Loblolly–shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood	Nontyped
		Planted	Natural	Planted	Natural					
	Thousand acres									
Covington	190.8	0.0	0.0	34.1	34.1	27.3	47.7	47.7	0.0	0.0
Forrest	224.3	20.0	25.7	22.6	26.9	69.5	38.2	21.3	0.0	0.0
George	236.5	32.2	6.4	25.8	31.3	37.8	38.6	64.4	0.0	0.0
Greene	420.1	75.4	25.1	22.1	16.6	122.7	86.0	66.4	0.0	5.5
Hancock	229.7	30.2	54.4	18.1	12.1	54.4	6.0	48.4	6.0	0.0
Harrison	291.9	53.3	72.6	21.2	21.8	64.2	5.5	53.3	0.0	0.0
Jackson	359.7	0.0	66.7	31.3	6.3	90.2	50.0	115.2	0.0	0.0
Jefferson Davis	165.0	0.0	0.0	60.5	22.0	27.5	33.0	22.0	0.0	0.0
Jones	302.6	10.5	19.7	44.6	54.5	77.7	57.4	38.2	0.0	0.0
Lamar	260.3	17.7	35.5	53.2	17.7	41.4	65.1	29.6	0.0	0.0
Lawrence	196.0	0.0	0.0	23.1	57.7	46.1	28.8	40.4	0.0	0.0
Marion	239.7	5.7	5.7	22.8	45.7	62.8	57.1	40.0	0.0	0.0
Pearl River	367.5	58.5	26.0	71.4	26.0	71.4	32.5	81.7	0.0	0.0
Perry	362.1	56.0	42.3	33.1	38.6	82.7	69.8	39.5	0.0	0.0
Stone	230.6	24.8	47.3	49.2	17.6	29.8	39.6	22.3	0.0	0.0
Walthall	143.2	0.0	0.0	33.1	22.0	33.1	33.1	22.0	0.0	0.0
Wayne	446.3	16.7	25.1	81.6	90.0	101.2	82.5	49.1	0.0	0.0
All counties	4,666.2	401.1	452.6	647.8	540.9	1,039.8	771.0	801.5	6.0	5.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 4.—*Area of timberland by county and stand-size class, south Mississippi counties, 1994**

County	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Covington	190.8	27.3	54.5	109.0	0.0
Forrest	224.3	81.4	45.1	97.8	0.0
George	236.5	70.0	63.5	103.0	0.0
Greene	420.1	139.3	92.1	183.1	5.5
Hancock	229.7	66.5	60.4	96.7	6.0
Harrison	291.9	89.6	83.5	107.9	10.9
Jackson	359.7	101.6	86.5	171.5	0.0
Jefferson Davis	165.0	33.0	33.0	99.0	0.0
Jones	302.6	151.9	32.5	118.2	0.0
Lamar	260.3	65.1	76.9	112.4	5.9
Lawrence	196.0	63.4	57.7	75.0	0.0
Marion	239.7	102.7	28.5	102.7	5.7
Pearl River	367.5	88.2	136.4	142.9	0.0
Perry	362.1	155.4	69.8	136.9	0.0
Stone	230.6	99.3	47.3	83.9	0.0
Walthall	143.2	49.6	44.1	49.6	0.0
Wayne	446.3	150.5	151.1	144.7	0.0
All counties	4,666.2	1,534.8	1,163.0	1,934.3	34.1

*Numbers in columns and rows may not add to totals due to rounding.

Table 5.—*Area of timberland by county and site class, south Mississippi counties, 1994**

County	All classes	Site class (*Cubic feet/acre/year*)				
		>165	120–165	85–120	50–85	<50
	Thousand acres					
Covington	190.8	34.1	109.0	47.7	0.0	0.0
Forrest	224.3	32.6	79.6	79.6	32.6	0.0
George	236.5	0.0	51.5	114.2	70.8	0.0
Greene	420.1	58.8	128.3	199.8	33.2	0.0
Hancock	229.7	6.0	12.1	169.3	36.3	6.0
Harrison	291.9	0.0	73.2	138.1	64.2	16.4
Jackson	359.7	12.5	30.2	112.6	179.3	25.0
Jefferson Davis	165.0	5.5	66.0	88.0	5.5	0.0
Jones	302.6	70.7	166.9	61.4	3.5	0.0
Lamar	260.3	23.7	53.2	124.2	59.1	0.0
Lawrence	196.0	46.1	109.5	34.6	5.8	0.0
Marion	239.7	28.5	68.5	102.7	40.0	0.0
Pearl River	367.5	26.0	159.7	123.4	58.5	0.0
Perry	362.1	46.9	122.2	169.1	20.2	3.7
Stone	230.6	9.8	79.4	101.5	39.8	0.0
Walthall	143.2	11.0	44.1	82.6	5.5	0.0
Wayne	446.3	44.6	145.8	203.0	52.9	0.0
All counties	4,666.2	456.9	1,499.3	1,951.7	707.2	51.1

*Numbers in columns and rows may not add to totals due to rounding.

Table 6.—*Area of timberland by county and stocking class of growing-stock trees, south Mississippi counties, 1994**

County	All classes	Stocking class (*Percent*)				
		>130	100–130	60–100	16.7–60	<16.7
	Thousand acres					
Covington	190.8	34.1	40.9	109.0	6.8	0.0
Forrest	224.3	5.6	49.5	147.8	21.3	0.0
George	236.5	25.8	51.5	139.9	19.3	0.0
Greene	420.1	14.1	81.0	208.3	105.7	11.1
Hancock	229.7	0.0	60.4	108.8	48.4	12.1
Harrison	291.9	0.0	81.3	162.8	36.9	10.9
Jackson	359.7	18.8	117.8	127.7	95.4	0.0
Jefferson Davis	165.0	0.0	49.5	88.0	16.5	11.0
Jones	302.6	9.9	80.6	186.6	25.5	0.0
Lamar	260.3	17.7	65.1	147.9	23.7	5.9
Lawrence	196.0	17.3	57.7	103.8	11.5	5.8
Marion	239.7	11.4	40.0	142.7	40.0	5.7
Pearl River	367.5	13.0	64.9	207.8	81.7	0.0
Perry	362.1	12.9	103.8	171.9	69.8	3.7
Stone	230.6	9.8	73.8	107.3	39.6	0.0
Walthall	143.2	16.5	38.6	33.1	55.1	0.0
Wayne	446.3	33.4	102.0	277.5	33.4	0.0
All counties	4,666.2	240.2	1,158.3	2,470.9	730.6	66.2

*Numbers in columns and rows may not add to totals due to rounding.

Table 7.—*Area of timberland by forest type and ownership class, south Mississippi counties, 1994**

Forest type	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Longleaf–slash pine	853.7	176.7	66.4	214.0	4.9	391.7
Loblolly–shortleaf pine	1,188.6	81.5	18.6	373.4	4.9	710.2
Softwood total	2,042.3	258.2	85.1	587.4	9.8	1,101.9
Oak–pine	1,039.8	136.0	42.0	195.6	6.4	659.7
Oak–hickory	771.0	42.1	25.2	123.6	0.0	580.0
Oak–gum–cypress	801.5	34.1	57.1	202.4	0.0	507.9
Elm–ash–cottonwood	6.0	0.0	6.0	0.0	0.0	0.0
Hardwood total	2,618.3	212.2	130.3	521.7	6.4	1,747.7
Nontyped	5.5	0.0	0.0	5.5	0.0	0.0
All types	4,666.2	470.4	215.3	1,114.6	16.3	2,849.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 8.—*Area of timberland by ownership and stocking class of growing-stock trees, south Mississippi counties, 1994**

Ownership class	All classes	Stocking class (*Percent*)				
		>130	100–130	60–100	16.7–60	<16.7
	Thousand acres					
National forest	470.4	14.0	78.2	311.9	62.6	3.7
Other public	215.3	6.3	70.3	75.4	51.9	11.5
Forest industry	1,114.6	98.2	409.3	476.5	114.1	16.6
Forest industry–leased	16.3	0.0	0.0	11.4	4.9	0.0
Other private	2,849.5	121.9	600.6	1,595.7	497.1	34.4
All ownerships	4,666.2	240.2	1,158.3	2,470.9	730.6	66.2

*Numbers in columns and rows may not add to totals due to rounding.

Table 9.—*Area of timberland by forest type and stand-size class, south Mississippi counties, 1994**

Forest type	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Longleaf–slash pine	853.7	330.2	271.5	246.6	5.5
Loblolly–shortleaf pine	1,188.6	365.5	358.1	459.5	5.5
Softwood total	2,042.3	695.7	629.6	706.1	10.9
Oak–pine	1,039.8	314.7	262.7	456.5	5.9
Oak–hickory	771.0	104.0	92.0	569.3	5.7
Oak–gum–cypress	801.5	420.4	178.7	202.4	0.0
Elm–ash–cottonwood	6.0	0.0	0.0	0.0	6.0
Hardwood total	2,618.3	839.1	533.3	1,228.2	17.7
Nontyped	5.5	0.0	0.0	0.0	5.5
All types	4,666.2	1,534.8	1,163.0	1,934.3	34.1

*Numbers in columns and rows may not add to totals due to rounding.

Table 10.—*Number of live trees on timberland by species and diameter class, south Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*)											
		1.0–2.9	3.0–4.9	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
	Thousand trees												
Longleaf–slash pines	320,203	82,718	106,515	59,020	32,729	16,460	10,087	7,070	3,370	1,407	572	253	0
Shortleaf–loblolly pines	615,816	261,172	176,928	92,600	44,292	18,099	9,780	5,698	3,458	1,887	908	962	33
Other yellow pines	5,057	2,281	0	860	510	335	374	257	129	84	114	113	0
Cypress	34,968	22,299	7,294	3,201	960	574	186	118	126	83	55	72	0
Other softwoods	4,411	3,885	0	304	117	22	34	32	17	0	0	0	0
Total softwoods	980,454	372,355	290,737	155,984	78,609	35,490	20,461	13,176	7,100	3,461	1,648	1,400	33
Select white oaks	26,598	13,471	5,350	2,958	1,621	1,022	671	454	353	268	166	254	10
Select red oaks	3,590	1,621	517	557	261	44	125	103	92	125	32	96	18
Other white oaks	53,076	34,087	8,546	4,109	2,370	1,920	663	599	294	221	118	131	18
Other red oaks	448,606	332,499	65,074	18,228	13,046	7,347	4,281	3,234	1,933	1,023	681	1,064	197
Hickories	33,698	27,613	2,108	1,570	649	548	301	337	182	162	122	93	13
Hard maples	673	589	0	0	84	0	0	0	0	0	0	0	0
Soft maples	208,508	165,291	25,095	10,812	4,734	1,552	412	354	128	70	31	29	0
Beech	2,314	1,124	529	0	0	69	189	20	77	98	87	98	22
Sweetgum	214,524	149,612	41,898	10,057	6,294	2,975	1,587	762	544	298	193	283	22
Tupelos–blackgums	266,944	162,142	49,071	22,299	13,368	8,690	4,788	3,015	1,802	921	409	402	38
Ashes	20,330	13,024	5,564	648	370	281	161	72	150	0	32	26	0
Yellow–poplar	42,718	23,190	8,476	2,874	2,377	2,069	1,384	1,036	517	460	161	156	19
Black walnut	79	0	0	0	79	0	0	0	0	0	0	0	0
Other hardwoods	591,157	447,476	84,408	30,117	13,547	7,710	3,620	2,196	999	605	246	218	16
Total hardwoods	1,912,815	1,371,738	296,636	104,228	58,800	34,225	18,182	12,181	7,072	4,251	2,277	2,851	373
Noncommercial	194,037	153,432	24,676	9,504	3,685	2,163	286	161	75	33	10	8	3
All species	3,087,305	1,897,525	612,048	269,716	141,094	71,878	38,929	25,518	14,247	7,746	3,936	4,258	409

*Numbers in columns and rows may not add to totals due to rounding.

Table 11.—*Number of growing-stock trees on timberland by species and diameter class, south Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 1.0–2.9	3.0–4.9	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
	Thousand trees												
Longleaf–slash pines	281,150	60,469	94,385	55,167	32,022	16,423	10,052	7,029	3,370	1,407	572	253	0
Shortleaf–loblolly pines	527,206	194,530	159,736	89,707	43,052	17,821	9,587	5,609	3,425	1,856	908	949	25
Other yellow pines	4,349	1,727	0	707	510	335	374	257	129	84	114	113	0
Cypress	27,782	16,245	6,720	2,820	905	504	173	118	110	83	32	72	0
Other softwoods	4,315	3,885	0	304	66	22	0	23	17	0	0	0	0
Total softwoods	844,802	276,855	260,841	148,704	76,556	35,104	20,186	13,036	7,052	3,431	1,626	1,388	25
Select white oaks	15,544	4,618	4,258	2,554	1,333	898	532	415	322	219	146	241	8
Select red oaks	2,320	1,113	0	470	261	44	93	40	47	113	32	96	11
Other white oaks	18,333	7,075	3,121	3,329	1,935	1,483	482	417	182	104	87	105	13
Other red oaks	263,574	179,415	42,954	15,276	10,602	5,945	3,146	2,458	1,459	778	537	849	155
Hickories	18,346	13,701	1,604	1,293	413	504	213	251	127	116	73	52	0
Hard maples	84	0	0	0	84	0	0	0	0	0	0	0	0
Soft maples	58,371	39,502	9,253	5,866	2,296	851	282	187	109	25	0	0	0
Beech	414	0	0	0	0	69	102	20	63	86	23	37	14
Sweetgum	147,275	96,479	31,324	8,133	5,660	2,439	1,305	726	469	272	183	262	22
Tupelos–blackgums	105,359	38,595	22,434	16,484	10,943	7,580	3,967	2,559	1,508	781	250	249	9
Ashes	7,275	4,569	1,655	232	311	128	131	72	118	0	32	26	0
Yellow–poplar	28,950	14,374	5,027	2,527	1,874	1,803	1,186	951	493	411	161	124	19
Black walnut	79	0	0	0	79	0	0	0	0	0	0	0	0
Other hardwoods	204,863	139,538	31,954	15,699	8,163	5,085	2,119	1,284	481	324	104	100	11
Total hardwoods	870,787	538,980	153,584	71,864	43,953	26,828	13,559	9,380	5,378	3,230	1,627	2,141	264
All species	1,715,589	815,835	414,425	220,568	120,509	61,932	33,745	22,416	12,430	6,661	3,253	3,528	289

*Numbers in columns and rows may not add to totals due to rounding.

Table 12.—*Volume of growing stock on timberland by species and diameter class, south Mississippi counties, 1994**

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
	Million cubic feet										
Longleaf–slash pines	1,284.0	148.2	208.6	212.0	211.5	220.6	145.3	77.4	38.0	22.4	0.0
Shortleaf–loblolly pines	1,430.2	195.2	246.6	215.6	188.0	170.5	146.4	101.9	62.5	98.1	5.4
Other yellow pines	53.5	1.3	3.3	4.2	7.1	7.5	5.7	4.9	8.3	11.1	0.0
Cypress	34.4	5.7	3.8	4.8	2.4	2.5	3.6	3.7	1.8	6.1	0.0
Other softwoods	2.4	0.7	0.4	0.1	0.0	0.6	0.5	0.0	0.0	0.0	0.0
Total softwoods	2,804.5	351.1	462.8	436.7	409.0	401.8	301.5	187.9	110.7	137.8	5.4
Select white oaks	97.6	6.5	7.5	10.0	10.5	11.9	11.2	10.4	8.4	19.5	1.7
Select red oaks	25.9	1.5	1.6	0.4	1.5	1.1	1.8	5.3	2.0	8.6	2.1
Other white oaks	67.6	6.9	9.7	13.6	7.3	8.8	5.4	3.4	3.6	7.1	1.9
Other red oaks	459.6	38.6	61.0	60.3	50.2	57.8	48.7	32.6	28.0	60.3	22.0
Hickories	38.2	2.6	2.1	5.3	3.6	7.0	4.2	5.0	4.2	4.2	0.0
Hard maples	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	50.3	16.5	12.9	8.8	4.4	3.9	3.0	0.8	0.0	0.0	0.0
Beech	13.4	0.0	0.0	0.9	1.3	0.4	2.1	3.7	0.8	2.5	1.8
Sweetgum	190.5	19.7	33.2	27.3	25.6	19.0	17.2	12.7	11.5	21.2	3.1
Tupelos–blackgums	410.3	42.5	62.5	78.9	64.3	59.7	46.4	30.5	11.2	13.6	0.7
Ashes	15.0	0.6	2.0	1.2	2.2	1.7	3.7	0.0	2.0	1.6	0.0
Yellow–poplar	142.0	6.3	12.0	19.5	22.0	25.0	17.6	17.9	9.5	9.5	2.5
Black walnut	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other hardwoods	239.6	38.7	48.6	52.9	34.6	28.3	13.6	11.1	4.4	6.0	1.4
Total hardwoods	1,750.8	180.5	253.8	279.3	227.5	224.6	174.8	133.5	85.5	154.1	37.2
All species	4,555.3	531.5	716.6	716.0	636.5	626.4	476.4	321.3	196.1	291.9	42.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 13.—*Volume of growing stock in the sawlog portion of sawtimber trees on timberland by species and diameter class, south Mississippi counties, 1994**

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
	Million cubic feet								
Longleaf–slash pines	810.2	172.2	186.7	198.3	131.4	68.7	33.5	19.3	0.0
Shortleaf–loblolly pines	841.0	170.1	161.1	149.6	127.2	88.9	53.6	85.7	4.8
Other yellow pines	42.6	3.5	6.0	6.6	5.0	4.5	7.3	9.7	0.0
Cypress	21.8	3.7	1.9	2.4	3.3	3.4	1.5	5.6	0.0
Other softwoods	1.1	0.1	0.0	0.5	0.5	0.0	0.0	0.0	0.0
Total softwoods	1,716.7	349.7	355.7	357.5	267.3	165.4	95.9	120.3	4.8
Select white oaks	58.5	0.0	8.1	9.4	9.0	8.9	6.5	15.6	0.9
Select red oaks	19.2	0.0	0.9	1.1	1.7	4.7	1.7	7.2	1.9
Other white oaks	29.6	0.0	5.5	7.2	4.0	2.6	3.0	5.7	1.5
Other red oaks	244.6	0.0	35.8	47.2	40.5	27.1	23.5	51.4	19.2
Hickories	22.3	0.0	2.9	5.5	3.2	4.1	3.2	3.4	0.0
Soft maples	9.7	0.0	3.4	3.0	2.6	0.7	0.0	0.0	0.0
Beech	10.3	0.0	1.1	0.4	1.6	3.1	0.7	2.1	1.3
Sweetgum	90.9	0.0	18.1	15.1	14.4	11.0	10.1	19.6	2.7
Tupelos–blackgums	186.2	0.0	45.8	49.8	40.2	27.3	10.2	12.3	0.7
Ashes	9.4	0.0	1.6	1.2	3.3	0.0	1.8	1.6	0.0
Yellow–poplar	84.6	0.0	15.5	20.1	14.9	15.1	8.1	8.6	2.4
Other hardwoods	78.1	0.0	24.3	23.1	11.5	9.4	3.6	5.2	1.0
Total hardwoods	843.3	0.0	163.1	183.0	146.8	113.9	72.3	132.6	31.6
All species	2,560.0	349.7	518.8	540.5	414.1	279.3	168.3	252.9	36.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 14.—*Volume of sawtimber on timberland by species and diameter class, south Mississippi counties, 1994**

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
	Million board feet								
Longleaf–slash pines	5,044.6	952.7	1,130.0	1,266.0	867.7	463.8	228.0	136.4	0.0
Shortleaf–loblolly pines	5,299.4	928.2	963.9	951.5	839.1	598.6	371.9	611.0	35.2
Other yellow pines	274.2	18.9	35.3	41.4	32.6	30.4	48.9	66.7	0.0
Cypress	125.4	18.1	9.9	13.6	18.9	19.3	10.0	35.6	0.0
Other softwoods	5.9	0.4	0.0	2.6	2.8	0.0	0.0	0.0	0.0
Total softwoods	10,749.4	1,918.3	2,139.1	2,275.1	1,761.2	1,112.1	658.7	849.7	35.2
Select white oaks	371.2	0.0	47.4	57.4	55.4	55.8	44.2	104.2	6.8
Select red oaks	119.2	0.0	4.8	6.1	10.1	29.2	11.0	46.3	11.7
Other white oaks	181.1	0.0	30.4	41.9	25.0	16.5	19.2	37.2	10.9
Other red oaks	1,467.9	0.0	195.7	272.0	244.6	166.0	146.6	321.9	121.0
Hickories	138.4	0.0	16.4	33.5	18.1	26.2	21.4	22.7	0.0
Soft maples	54.0	0.0	19.5	16.8	13.6	4.0	0.0	0.0	0.0
Beech	69.5	0.0	6.2	2.3	10.6	20.6	4.4	15.6	9.8
Sweetgum	546.7	0.0	101.1	84.3	86.8	67.4	66.7	125.2	15.4
Tupelos–blackgums	1,033.3	0.0	236.5	274.8	228.1	157.8	59.1	72.7	4.2
Ashes	56.5	0.0	9.6	7.2	19.1	0.0	12.3	8.4	0.0
Yellow–poplar	492.5	0.0	87.4	112.7	87.8	87.7	50.4	51.4	15.1
Other hardwoods	445.6	0.0	133.1	132.6	64.9	55.5	21.2	31.6	6.6
Total hardwoods	4,975.9	0.0	888.1	1,041.8	864.1	686.8	456.4	837.3	201.4
All species	15,725.3	1,918.3	3,027.2	3,316.9	2,625.3	1,798.9	1,115.1	1,687.0	236.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 15.—*Volume of growing stock and sawtimber on timberland by county and species group, south Mississippi counties, 1994**

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine						Pine				
		Planted	Natural	Other	Soft†	Hard‡		Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Covington	140.7	7.4	44.7	3.8	35.5	49.4	493.4	10.9	202.3	18.3	89.6	172.3
Forrest	237.3	48.9	120.0	0.0	45.3	23.1	857.3	197.5	481.3	0.0	109.9	68.6
George	217.6	42.6	75.4	7.8	57.0	34.8	688.8	57.8	304.3	43.0	155.4	128.3
Greene	372.9	90.9	140.3	0.3	66.9	74.6	1,326.0	244.5	704.6	0.4	152.6	223.9
Hancock	160.6	30.8	74.8	3.9	38.0	13.2	450.8	62.9	249.4	2.9	92.8	42.8
Harrison	309.0	74.0	154.9	3.2	57.6	19.3	1,172.2	306.7	676.6	8.7	131.8	48.4
Jackson	348.8	12.4	122.1	14.4	155.8	44.2	1,142.2	12.1	486.7	44.1	412.8	186.4
Jefferson Davis	103.9	22.8	29.2	0.0	33.6	18.2	263.1	29.2	76.8	0.0	101.7	55.5
Jones	359.7	29.0	200.1	0.0	43.8	86.7	1,408.1	40.9	981.0	0.0	109.1	277.1
Lamar	203.5	70.2	66.6	0.0	47.6	19.1	553.8	101.7	284.5	0.0	120.6	47.0
Lawrence	240.7	17.1	113.2	0.0	42.5	67.8	890.0	19.2	492.8	0.0	102.8	275.2
Marion	230.6	10.5	124.9	0.0	38.5	56.7	901.1	4.7	568.5	0.0	114.7	213.3
Pearl River	272.4	79.8	77.4	0.0	89.9	25.3	791.6	135.7	352.1	0.0	230.2	73.6
Perry	443.9	94.8	220.0	0.5	80.1	48.3	1,652.5	197.0	1,119.5	3.3	228.4	104.2
Stone	227.2	41.7	116.3	1.2	48.2	19.8	808.5	103.4	570.7	3.5	78.0	52.9
Walthall	143.4	20.6	38.0	0.8	55.2	28.8	463.5	10.4	186.9	4.5	155.9	105.8
Wayne	543.1	93.3	262.9	0.9	83.4	102.5	1,862.5	99.1	1,246.6	2.6	178.9	335.3
All counties	4,555.3	786.9	1,980.8	36.8	1,019.0	731.8	15,725.3	1,633.5	8,984.6	131.3	2,565.3	2,410.6

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 16.—*Volume of timber on timberland by class of timber and species group, south Mississippi counties, 1994**

Class of timber	All species	Softwood			Hardwood	
		Pine				
		Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet					
Sawtimber trees						
Sawlog portion	2,560.0	280.4	1,413.3	22.9	448.3	395.1
Upper stem portion	467.9	54.9	215.9	3.2	102.1	91.7
Total	3,027.9	335.3	1,629.3	26.1	550.4	486.8
Poletimber trees	1,527.4	451.6	351.6	10.7	468.6	245.0
All growing-stock trees	4,555.3	786.9	1,980.8	36.8	1,019.0	731.8
Rough trees						
Sawtimber size	157.6	2.6	6.2	1.2	63.3	84.2
Poletimber size	204.0	11.7	10.8	1.1	97.7	82.7
Total	361.6	14.3	17.0	2.3	161.0	166.9
Rotten trees						
Sawtimber size	51.4	0.0	0.3	0.4	29.1	21.5
Poletimber size	14.8	0.0	0.1	0.0	9.8	4.9
Total	66.1	0.0	0.4	0.4	39.0	26.4
Salvable dead trees						
Sawtimber size	11.1	0.3	10.0	0.4	0.0	0.4
Poletimber size	6.0	0.6	3.4	0.0	1.7	0.3
Total	17.1	0.9	13.4	0.4	1.7	0.6
All classes	5,000.1	.802.2	2,0117	40.0	1,220.7	925.7

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 17.—*Volume of live trees and growing stock on timberland by ownership class and species group, south Mississippi counties, 1994**

Ownership class	Live trees						Growing stock					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet											
National forest	793.9	91.0	474.9	1.9	122.2	104.0	740.8	90.0	471.7	1.4	98.0	79.7
Other public	242.7	9.9	97.2	13.6	75.7	46.2	220.8	9.7	96.4	13.6	66.5	34.6
Forest industry	1,039.3	417.8	216.5	5.0	238.5	161.5	962.6	411.3	213.9	4.9	198.7	134.0
Forest industry–leased	14.5	3.1	9.2	0.0	1.1	1.1	13.8	3.1	9.2	0.0	0.8	0.8
Other private	2,892.6	279.5	1,200.4	19.0	781.6	612.2	2,617.3	272.9	1,189.7	17.0	655.0	482.8
All ownerships	4,983.0	801.2	1,998.2	39.6	1,219.0	925.0	4,555.3	786.9	1,980.8	36.8	1,019.0	731.8

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 18.—*Average net annual growth of growing stock and sawtimber on timberland by county and species group, south Mississippi counties, 1987–1994**

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Covington	8.5	0.9	3.2	0.1	1.5	2.8	23.0	1.5	12.3	0.6	1.2	7.4
Forrest	9.7	2.8	6.2	0.0	0.6	0.1	43.1	8.7	33.4	0.0	1.2	–0.2
George	10.6	4.6	2.6	0.1	2.4	0.9	34.5	8.2	15.2	0.5	8.9	1.7
Greene	20.8	9.2	7.5	0.0	1.2	2.9	98.2	38.7	42.4	0.1	6.7	10.4
Hancock	12.4	3.4	6.6	0.2	1.6	0.6	31.2	6.9	19.6	0.2	2.9	1.7
Harrison	19.1	1.3	12.5	0.1	3.4	1.8	82.1	3.7	63.8	0.2	10.3	4.0
Jackson	11.3	1.7	5.1	0.5	3.2	0.9	46.8	3.0	24.6	1.0	13.6	4.6
Jefferson Davis	11.1	3.3	4.2	0.0	1.6	2.0	30.4	4.9	15.2	0.0	4.0	6.3
Jones	24.0	3.6	12.4	0.0	2.5	5.5	110.1	6.0	81.9	0.0	7.3	15.0
Lamar	19.3	9.8	5.7	0.0	2.5	1.3	67.4	19.9	32.6	0.0	12.1	2.8
Lawrence	15.8	2.0	8.8	0.0	1.5	3.4	59.0	1.7	41.3	0.0	2.9	13.2
Marion	13.1	0.9	8.3	0.0	1.5	2.5	61.7	0.8	41.8	0.0	7.3	11.8
Pearl River	20.1	10.5	4.7	0.0	4.4	0.6	56.9	20.7	23.9	0.0	10.4	2.0
Perry	23.2	11.3	8.7	0.0	1.4	1.7	92.6	27.0	53.1	0.0	5.6	6.9
Stone	12.9	5.8	4.8	0.1	1.4	0.8	50.4	15.5	29.1	0.4	3.8	1.7
Walthall	10.0	0.7	5.2	0.0	2.1	2.0	27.6	0.5	14.3	0.0	4.4	8.4
Wayne	34.3	11.2	14.2	0.1	4.5	4.4	100.7	6.2	70.1	0.1	9.4	14.8
All counties	276.3	82.9	120.7	1.1	37.2	34.3	1,015.6	173.8	614.4	3.1	111.9	112.5

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 19.—*Average annual removals of growing stock and sawtimber on timberland by county and species group, south Mississippi counties, 1987–1994**

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Covington	10.6	0.0	2.4	0.0	3.3	4.9	41.2	0.0	10.5	0.0	11.0	19.7
Forrest	14.9	1.7	11.5	0.0	0.3	1.5	61.4	7.6	46.3	0.0	0.8	6.7
George	9.0	1.7	2.4	0.0	4.2	0.6	26.8	2.5	10.2	0.0	13.1	0.9
Greene	29.1	13.8	7.4	0.0	2.2	5.8	99.4	44.6	30.2	0.0	5.5	19.1
Hancock	10.8	5.6	4.8	0.0	0.3	0.2	31.7	13.0	18.0	0.0	0.1	0.6
Harrison	8.4	0.0	7.8	0.0	0.1	0.5	34.1	0.0	33.6	0.0	0.3	0.2
Jackson	7.0	1.8	3.1	0.6	1.2	0.3	22.3	5.8	12.1	1.2	2.1	1.0
Jefferson Davis	9.6	0.0	7.1	0.0	0.5	2.0	39.2	0.0	33.6	0.0	0.5	5.1
Jones	22.7	1.6	13.2	0.0	4.2	3.8	102.3	7.3	70.8	0.0	12.4	11.7
Lamar	20.2	4.5	8.4	0.0	5.9	1.5	73.9	7.8	39.9	0.0	22.3	3.8
Lawrence	17.1	0.0	12.5	0.0	1.0	3.6	69.6	0.0	52.4	0.0	1.7	15.5
Marion	17.5	0.0	10.6	0.0	3.0	3.9	67.3	0.0	48.3	0.0	6.9	12.1
Pearl River	19.0	6.5	6.4	0.0	4.1	2.0	61.7	16.5	25.3	0.0	13.3	6.6
Perry	16.1	6.7	7.8	0.0	0.8	0.8	67.4	20.7	42.8	0.0	1.4	2.5
Stone	9.6	4.5	4.2	0.0	0.1	0.8	37.9	12.6	22.4	0.0	0.0	2.9
Walthall	2.9	0.0	2.2	0.0	0.4	0.4	8.5	0.0	6.8	0.0	0.4	1.3
Wayne	16.1	3.3	8.4	0.0	2.3	2.2	56.0	12.0	30.3	0.0	7.3	6.4
All counties	240.7	51.5	120.2	0.6	33.7	34.8	900.6	150.4	533.6	1.2	99.2	116.1

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 20.—*Average net annual growth and average annual removals of growing stock on timberland by species, south Mississippi counties, 1987–1994**

Species	Growth	Removals
	Million cubic feet	
Yellow pines	203.6	171.7
Other softwoods	1.1	0.6
Total softwoods	204.8	172.3
Select white–red oaks	5.5	5.6
Other white–red oaks	27.2	25.9
Hickories	1.1	2.2
Hard maples	0.0	0.0
Sweetgum	6.6	6.4
Ashes–walnut–black cherry	1.2	1.2
Yellow–poplar	8.4	4.4
Other hardwoods	21.6	22.6
Total hardwoods	71.5	68.4
All species	276.3	240.7

*Numbers in columns may not add to totals due to rounding.

Table 21.—*Average net annual growth and average annual removals of sawtimber on timberland by species, south Mississippi counties, 1987–1994**

Species	Growth	Removals
	Million board feet	
Yellow pines	788.2	684.0
Other softwoods	3.1	1.2
Total softwoods	791.2	685.3
Select white–red oaks	19.6	26.3
Other white–red oaks	88.9	81.6
Hickories	1.0	6.5
Sweetgum	21.1	14.3
Ashes–walnut–black cherry	2.4	1.8
Yellow–poplar	37.8	18.4
Other hardwoods	53.5	66.5
Total hardwoods	224.4	215.3
All species	1,015.6	900.6

*Numbers in columns may not add to totals due to rounding.

Table 22.—*Average annual mortality of growing stock and sawtimber on timberland by species, south Mississippi counties, 1987–1994**

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	15.9	52.2
Other softwoods	0.1	0.3
Total softwoods	16.0	52.6
Select white–red oaks	0.3	1.2
Other white–red oaks	3.1	6.5
Hickories	0.6	2.5
Sweetgum	1.7	3.9
Ashes–walnut–black cherry	0.9	1.6
Yellow–poplar	0.8	2.6
Other hardwoods	2.9	6.8
Total hardwoods	10.2	25.1
All species	26.1	77.6

*Numbers in columns may not add to totals due to rounding.

Table 23.—*Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, south Mississippi counties, 1987–1994**

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet											
National forest	27.1	6.2	16.4	0.1	2.1	2.3	13.9	4.8	8.3	0.0	0.3	0.5
Other public	7.4	1.4	3.3	0.4	1.8	0.5	4.9	0.9	3.8	0.0	0.1	0.1
Forest industry	79.4	45.8	19.4	0.2	7.3	6.7	79.2	25.9	29.5	0.6	13.3	9.9
Forest industry–leased	0.9	0.4	0.4	0.0	0.0	0.1	1.2	0.2	1.0	0.0	0.0	0.0
Other private	161.5	29.1	81.2	0.5	26.0	24.7	141.6	19.7	77.6	0.0	20.0	24.2
All ownerships	276.3	82.9	120.7	1.1	37.2	34.3	240.7	51.5	120.2	0.6	33.7	34.8

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 24.—*Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, south Mississippi counties, 1987–1994**

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million board feet											
National forest	130.5	17.8	99.8	0.4	5.2	7.2	66.1	24.5	39.8	0.0	0.4	1.3
Other public	32.7	1.6	20.4	1.4	7.7	1.6	19.9	4.0	15.6	0.0	0.4	0.0
Forest industry	229.0	95.4	91.8	0.4	20.2	21.3	258.2	67.4	120.3	1.2	37.5	31.8
Forest industry–leased	4.0	2.3	1.7	0.0	0.0	0.0	5.0	0.8	4.3	0.0	0.0	0.0
Other private	619.3	56.6	400.7	0.8	78.7	82.4	551.3	53.7	353.7	0.0	60.9	83.0
All ownerships	1,015.6	173.8	614.4	3.1	111.9	112.5	900.6	150.4	533.6	1.2	99.2	116.1

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 25.—*Volume of sawtimber on timberland by species and tree grade, south Mississippi counties, 1994**

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	Million board feet					
Yellow pines	10,618.1	2,371.1	1,898.5	6,155.5	0.0	192.9
Cypress	125.4	68.7	11.1	45.6	0.0	0.0
Redcedars	3.0	3.0	0.0	0.0	0.0	0.0
Other softwoods	2.8	0.0	0.0	2.8	0.0	0.0
Total softwoods	10,749.4	2,442.9	1,909.6	6,204.0	0.0	192.9
Select white–red oaks	490.4	85.6	70.9	200.8	105.9	27.2
Other white–red oaks	1,649.0	47.4	137.7	561.0	767.9	135.0
Hickories	138.4	10.1	22.7	69.7	30.5	5.3
Sweetgum	546.7	121.6	116.2	226.0	45.7	37.3
Tupelos and blackgums	1,033.3	126.9	332.0	497.4	29.5	47.4
Ashes–walnut–black cherry	68.5	22.3	10.4	30.9	4.4	0.5
Yellow–poplar	492.5	29.8	112.7	241.0	70.9	38.1
Other hardwoods	557.1	17.7	51.9	283.1	134.6	69.8
Total hardwoods	4,975.9	461.4	854.7	2,109.8	1,189.5	360.5
All species	15,725.3	2,904.3	2,764.3	8,313.8	1,189.5	553.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 26.—*Area of timberland by stand age, forest type group, and stand origin, south Mississippi counties, 1994**

Stand age class	Pine		Oak–pine		Other hardwood types	
	Planted	Natural	Planted	Natural	Planted	Natural
Years	*Thousand acres*					
1–10	406.3	28.7	103.2	42.6	45.5	42.2
11–20	342.3	38.2	51.9	5.5	0.0	18.6
21–30	89.8	5.6	16.5	0.0	0.0	0.0
31–40	48.4	17.1	0.0	0.0	0.0	0.0
41–50	4.4	7.4	0.0	0.0	3.7	0.0
>50	10.9	21.8	0.0	0.0	0.0	0.0
Mixed	146.7	874.7	84.3	735.7	66.8	1,401.7
Total	1,048.9	993.5	256.0	783.8	116.0	1,462.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 27.—*Volume of softwood growing stock on timberland by county and forest type group, south Mississippi counties, 1994**

County	Total	Forest type group						
		Longleaf–slash pine		Loblolly–shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
Covington	55.8	0.0	0.0	6.0	17.1	25.4	3.3	4.1
Forrest	168.9	27.9	36.6	3.6	45.4	44.0	9.0	2.4
George	125.8	31.2	5.4	5.6	44.2	21.4	2.8	15.3
Greene	231.5	54.4	41.1	14.8	24.2	85.5	4.6	6.8
Hancock	109.5	17.5	35.5	13.3	5.0	26.2	0.3	11.7
Harrison	232.1	63.3	74.1	11.4	18.5	48.6	2.2	14.1
Jackson	148.8	0.0	70.6	12.4	7.0	39.6	2.4	16.8
Jefferson Davis	52.1	0.0	0.0	22.8	11.0	16.0	1.1	1.1
Jones	229.2	15.6	33.8	9.0	97.5	60.9	5.4	6.8
Lamar	136.8	22.5	39.0	46.2	8.6	8.5	8.0	4.0
Lawrence	130.3	0.0	0.0	14.0	70.9	23.4	13.0	9.0
Marion	135.4	5.4	5.6	3.0	62.1	45.6	6.5	7.2
Pearl River	157.2	32.1	16.5	36.4	33.4	25.8	6.7	6.3
Perry	315.4	62.1	82.9	29.0	73.3	46.7	12.5	8.9
Stone	159.2	20.0	53.4	17.4	27.1	22.1	14.2	5.0
Walthall	59.4	0.0	0.0	20.3	13.4	11.7	5.9	8.2
Wayne	357.2	19.9	43.0	60.3	128.9	81.9	15.7	7.4
All counties	2,804.5	372.0	537.6	325.4	687.8	633.2	113.7	134.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 28.—*Volume of hardwood growing stock on timberland by county and forest type group, south Mississippi counties, 1994**

County	Total	Forest type group							
		Longleaf–slash pine		Loblolly–shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood
		Planted	Natural	Planted	Natural				
	Million cubic feet								
Covington	84.9	0.0	0.0	0.0	7.2	19.5	24.8	33.5	0.0
Forrest	68.4	1.5	1.6	0.0	8.0	22.2	11.5	23.6	0.0
George	91.8	1.7	0.0	0.0	3.3	7.3	4.4	75.1	0.0
Greene	141.5	2.4	7.4	0.2	0.6	54.9	9.2	66.7	0.0
Hancock	51.2	0.2	0.0	0.0	0.4	13.1	0.0	37.4	0.2
Harrison	76.9	0.9	5.0	0.6	2.0	16.7	0.9	50.7	0.0
Jackson	200.0	0.0	4.9	0.0	1.8	11.0	10.5	171.8	0.0
Jefferson Davis	51.8	0.0	0.0	1.0	0.1	7.7	6.1	36.9	0.0
Jones	130.5	1.2	1.6	0.6	14.2	44.3	27.2	41.5	0.0
Lamar	66.7	0.0	0.2	3.8	0.0	13.7	30.2	18.8	0.0
Lawrence	110.3	0.0	0.0	1.0	11.0	23.0	20.8	54.6	0.0
Marion	95.2	0.0	0.0	0.0	7.7	32.5	26.2	28.9	0.0
Pearl River	115.2	0.0	0.4	3.0	5.4	14.7	10.3	81.3	0.0
Perry	128.4	3.5	2.7	1.2	14.1	35.6	25.7	45.6	0.0
Stone	68.0	0.2	4.8	4.0	2.7	20.2	14.8	21.2	0.0
Walthall	84.0	0.0	0.0	0.6	2.5	6.6	32.2	42.1	0.0
Wayne	185.9	0.9	5.2	8.9	18.4	40.9	42.1	69.6	0.0
All counties	1,750.8	12.5	33.8	25.0	99.4	383.7	296.8	899.4	0.2

*Numbers in columns and rows may not add to totals due to rounding.

Table 29.—*Volume of softwood growing stock in the sawlog portion of sawtimber trees on timberland by county and forest type group, south Mississippi counties, 1994**

County	Total	Forest type group						
		Longleaf–slash pine		Loblolly–shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
Covington	35.5	0.0	0.0	0.7	8.1	21.9	1.5	3.4
Forrest	115.3	21.5	26.5	1.4	30.4	27.3	6.1	2.1
George	65.3	9.1	3.0	0.0	29.5	8.9	1.2	13.7
Greene	148.3	19.4	32.4	9.7	19.6	60.5	2.0	4.8
Hancock	55.0	8.8	17.7	2.4	0.9	17.5	0.2	7.3
Harrison	152.8	43.3	44.3	3.4	14.1	35.2	2.0	10.4
Jackson	89.2	0.0	44.1	2.3	5.0	25.7	1.3	10.9
Jefferson Davis	18.5	0.0	0.0	5.8	3.2	8.4	0.3	0.7
Jones	160.8	3.8	26.4	3.3	71.3	46.5	3.8	5.8
Lamar	68.4	5.8	29.3	13.9	5.7	4.0	6.2	3.6
Lawrence	76.7	0.0	0.0	2.4	43.5	12.4	10.6	7.8
Marion	90.3	0.2	3.4	0.0	40.4	35.8	4.7	5.7
Pearl River	82.2	11.1	11.9	11.3	27.1	11.9	4.3	4.7
Perry	204.5	23.5	64.3	9.3	55.1	36.9	9.2	6.2
Stone	111.3	12.5	44.2	4.4	20.1	14.5	11.9	3.7
Walthall	32.6	0.0	0.0	1.9	10.2	8.5	4.5	7.3
Wayne	210.1	1.5	32.1	10.2	91.7	55.9	11.9	6.8
All counties	1,716.7	160.5	379.7	82.3	476.0	431.8	81.8	104.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 30.—*Volume of hardwood growing stock in the sawlog portion of sawtimber on timberland by county and forest type group, south Mississippi counties, 1994**

County	Total	Forest type group						
		Longleaf–slash pine		Loblolly–shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
Covington	43.2	0.0	0.0	0.0	1.7	10.4	9.6	21.6
Forrest	31.5	1.0	0.4	0.0	2.1	10.1	7.2	10.8
George	46.6	0.5	0.0	0.0	0.2	1.7	0.9	43.3
Greene	63.4	0.3	1.7	0.2	0.3	21.5	1.4	38.1
Hancock	24.4	0.0	0.0	0.0	0.0	4.7	0.0	19.8
Harrison	29.7	0.6	1.0	0.0	0.0	5.3	0.0	22.8
Jackson	102.9	0.0	0.7	0.0	0.3	6.7	3.2	92.0
Jefferson Davis	27.1	0.0	0.0	0.0	0.0	3.0	2.4	21.7
Jones	64.8	0.4	0.2	0.4	5.6	25.5	8.6	24.2
Lamar	30.0	0.0	0.0	0.4	0.0	4.5	15.9	9.1
Lawrence	60.7	0.0	0.0	0.0	5.7	10.4	10.4	34.1
Marion	54.6	0.0	0.0	0.0	2.8	19.4	12.9	19.4
Pearl River	55.0	0.0	0.3	0.4	2.3	6.4	5.3	40.3
Perry	57.5	1.0	0.2	0.5	3.6	15.9	10.1	26.1
Stone	23.7	0.0	2.0	0.5	0.6	6.8	6.5	7.2
Walthall	45.2	0.0	0.0	0.5	0.3	2.5	12.8	29.1
Wayne	82.8	0.0	1.9	5.3	4.6	12.0	18.3	40.7
All counties	843.3	3.9	8.4	8.1	30.3	166.8	125.5	500.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 31.—*Volume of timber on timberland by county, class of timber, and species group, south Mississippi counties, 1994**

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Covington	158.3	55.8	84.9	0.2	16.7	0.0	0.6
Forrest	262.6	168.9	68.4	0.7	23.4	0.0	1.3
George	238.8	125.8	91.8	1.6	15.1	0.0	4.5
Greene	414.3	231.5	141.5	4.1	32.3	0.1	4.8
Hancock	176.5	109.5	51.2	1.0	12.3	0.4	2.2
Harrison	342.7	232.1	76.9	3.2	26.9	0.1	3.4
Jackson	385.9	148.8	200.0	2.7	26.9	0.0	7.5
Jefferson Davis	118.8	52.1	51.8	1.2	11.3	0.0	2.5
Jones	385.4	229.2	130.5	1.6	21.6	0.0	2.5
Lamar	226.4	136.8	66.7	1.3	17.6	0.0	4.0
Lawrence	258.4	130.3	110.3	0.6	13.4	0.0	3.7
Marion	251.5	135.4	95.2	1.8	15.1	0.0	4.0
Pearl River	307.2	157.2	115.2	2.6	26.5	0.0	5.7
Perry	473.8	315.4	128.4	5.4	15.4	0.1	9.2
Stone	243.2	159.2	68.0	0.4	14.2	0.0	1.4
Walthall	153.7	59.4	84.0	1.6	7.2	0.0	1.6
Wayne	585.4	357.2	185.9	3.7	32.1	0.0	6.5
All counties	4,983.0	2,804.5	1,750.8	33.7	327.9	0.8	65.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 32.—*Number of live trees on timberland by detailed species and diameter class, south Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*)											
		1.0–2.9	3.0–4.9	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
	Thousand trees												
Longleaf pine	82,765	22,884	22,650	10,908	9,010	5,648	4,786	3,858	1,879	746	283	113	0
Slash pine	237,438	59,834	83,864	48,111	23,720	10,813	5,301	3,212	1,491	662	289	141	0
Shortleaf pine	35,299	8,846	10,840	4,669	3,939	3,192	2,051	962	475	237	70	11	8
Loblolly pine	580,517	252,326	166,088	87,930	40,353	14,907	7,730	4,736	2,984	1,650	838	951	25
Spruce pine	5,057	2,281	0	860	510	335	374	257	129	84	114	113	0
Redcedars	4,223	3,885	0	199	51	22	34	32	0	0	0	0	0
Atlantic white-cedar	188	0	0	105	66	0	0	0	17	0	0	0	0
Cypress	34,968	22,299	7,294	3,201	960	574	186	118	126	83	55	72	0
Total softwoods	980,454	372,355	290,737	155,984	78,609	35,490	20,461	13,176	7,100	3,461	1,648	1,400	33
Select white oaks	26,598	13,471	5,350	2,958	1,621	1,022	671	454	353	268	166	254	10
Select red oaks	3,590	1,621	517	557	261	44	125	103	92	125	32	96	18
Other white oaks	53,076	34,087	8,546	4,109	2,370	1,920	663	599	294	221	118	131	18
Other red oaks	448,606	332,499	65,074	18,228	13,046	7,347	4,281	3,234	1,933	1,023	681	1,064	197
Sweet pecan	856	0	504	166	60	35	0	71	0	0	0	6	13
Water hickory	1,799	1,015	508	96	0	37	0	66	0	49	22	6	0
Other hickories	31,042	26,598	1,097	1,308	589	475	301	200	182	112	100	81	0
Persimmon	30,608	27,672	2,741	123	72	0	0	0	0	0	0	0	0
Hard maples	673	589	0	0	84	0	0	0	0	0	0	0	0
Soft maples	208,467	165,291	25,095	10,812	4,734	1,511	412	354	128	70	31	29	0
Boxelder	41	0	0	0	0	41	0	0	0	0	0	0	0
Beech	2,314	1,124	529	0	0	69	189	20	77	98	87	98	22
Sweetgum	214,524	149,612	41,898	10,057	6,294	2,975	1,587	762	544	298	193	283	22
Blackgum	235,841	154,542	41,480	17,911	9,293	4,885	3,206	2,188	1,369	467	272	195	33
Other gums/tupelos	31,103	7,599	7,592	4,388	4,075	3,805	1,582	826	433	454	137	207	4
White ash	897	0	584	215	0	0	70	0	16	0	10	0	0
Other ashes	19,433	13,024	4,980	433	370	281	91	72	134	0	22	26	0
Sycamore	384	0	0	0	202	51	88	43	0	0	0	0	0
Yellow-poplar	42,718	23,190	8,476	2,874	2,377	2,069	1,384	1,036	517	460	161	156	19
Magnolias	14,598	9,630	3,066	624	462	315	154	176	46	71	20	32	4
Sweetbay	204,145	141,421	31,134	12,348	8,208	5,166	2,443	1,747	813	478	217	162	8
Willow	3,018	625	1,191	348	276	475	104	0	0	0	0	0	0
Black walnut	79	0	0	0	79	0	0	0	0	0	0	0	0
Black cherry	62,088	46,079	10,520	3,791	1,017	473	138	25	15	14	0	18	0
American elm	2,532	1,119	574	233	255	165	126	37	0	14	0	7	3
Other elms	6,711	4,752	1,132	206	321	87	118	63	32	0	0	0	0
River birch	1,888	0	1,147	291	137	211	25	18	45	14	0	0	0
Hackberries	902	523	0	109	69	95	59	22	16	0	9	0	0
Sassafras	24,315	22,791	523	779	126	71	24	0	0	0	0	0	0
Dogwood	148,169	118,489	20,560	7,647	1,270	172	31	0	0	0	0	0	0
Holly	51,726	41,597	6,639	2,074	767	351	207	43	32	15	0	0	0
Other commercial	40,073	32,779	5,182	1,544	363	78	103	22	0	0	0	0	0
Total hardwoods	1,912,815	1,371,738	296,636	104,228	58,800	34,225	18,182	12,181	7,072	4,251	2,277	2,851	373
Noncommercial	194,037	153,432	24,676	9,504	3,685	2,163	286	161	75	33	10	8	3
All species	3,087,305	1,897,525	612,048	269,716	141,094	71,878	38,929	25,518	14,247	7,746	3,936	4,258	409

*Numbers in columns and rows may not add to totals due to rounding.

Table 33.—*Number of growing-stock trees on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Thousand trees										
Longleaf pine	36,888	10,566	9,010	5,648	4,786	3,858	1,879	746	283	113	0
Slash pine	89,408	44,601	23,012	10,775	5,266	3,171	1,491	662	289	141	0
Shortleaf pine	15,024	4,291	3,807	3,151	2,021	962	475	237	70	11	0
Loblolly pine	157,915	85,416	39,245	14,670	7,565	4,647	2,951	1,620	838	939	25
Spruce pine	2,623	707	510	335	374	257	129	84	114	113	0
Redcedars	243	199	0	22	0	23	0	0	0	0	0
Atlantic white-cedar	188	105	66	0	0	0	17	0	0	0	0
Cypress	4,817	2,820	905	504	173	118	110	83	32	72	0
Total softwoods	307,106	148,704	76,556	35,104	20,186	13,036	7,052	3,431	1,626	1,388	25
Select white oaks	6,668	2,554	1,333	898	532	415	322	219	146	241	8
Select red oaks	1,207	470	261	44	93	40	47	113	32	96	11
Other white oaks	8,138	3,329	1,935	1,483	482	417	182	104	87	105	13
Other red oaks	41,204	15,276	10,602	5,945	3,146	2,458	1,459	778	537	849	155
Sweet pecan	252	166	0	35	0	45	0	0	0	6	0
Water hickory	233	96	0	37	0	46	0	38	10	6	0
Other hickories	2,556	1,031	413	432	213	160	127	77	63	40	0
Persimmon	195	123	72	0	0	0	0	0	0	0	0
Hard maples	84	0	84	0	0	0	0	0	0	0	0
Soft maples	9,574	5,866	2,296	809	282	187	109	25	0	0	0
Boxelder	41	0	0	41	0	0	0	0	0	0	0
Beech	414	0	0	69	102	20	63	86	23	37	14
Sweetgum	19,472	8,133	5,660	2,439	1,305	726	469	272	183	262	22
Blackgum	30,428	12,846	7,307	4,066	2,538	1,818	1,175	394	148	127	9
Other gums/tupelos	13,901	3,638	3,636	3,513	1,429	741	333	387	102	122	0
White ash	197	100	0	0	70	0	16	0	10	0	0
Other ashes	854	132	311	128	60	72	102	0	22	26	0
Sycamore	320	0	138	51	88	43	0	0	0	0	0
Yellow-poplar	9,549	2,527	1,874	1,803	1,186	951	493	411	161	124	19
Magnolias	1,216	485	275	205	54	84	33	24	20	32	4
Sweetbay	20,360	7,996	5,579	3,440	1,548	1,036	367	257	75	58	4
Willow	652	243	73	336	0	0	0	0	0	0	0
Black walnut	79	0	79	0	0	0	0	0	0	0	0
Black cherry	3,826	2,665	613	425	106	0	0	14	0	4	0
American elm	687	233	255	80	91	18	0	0	0	7	3
Other elms	620	206	182	49	87	63	32	0	0	0	0
River birch	405	83	69	164	25	18	32	14	0	0	0
Hackberries	189	0	69	41	31	22	16	0	9	0	0
Sassafras	342	271	0	71	0	0	0	0	0	0	0
Dogwood	1,745	1,593	152	0	0	0	0	0	0	0	0
Holly	1,982	1,086	600	191	89	0	0	15	0	0	0
Other commercial	831	714	85	32	0	0	0	0	0	0	0
Total hardwoods	178,224	71,864	43,953	26,828	13,559	9,380	5,378	3,230	1,627	2,141	264
All species	485,329	220,568	120,509	61,932	33,745	22,416	12,430	6,661	3,253	3,528	289

*Numbers in columns and rows may not add to totals due to rounding.

Table 34.—*Volume of live trees on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million cubic feet										
Longleaf pine	556.1	34.8	65.2	79.1	104.6	124.2	80.7	41.2	17.4	9.0	0.0
Slash pine	740.8	121.4	147.1	133.6	107.1	96.9	64.6	36.2	20.6	13.4	0.0
Shortleaf pine	204.3	13.4	29.5	44.2	45.4	31.9	21.0	12.6	5.2	0.8	0.3
Loblolly pine	1,244.5	187.8	221.9	173.3	144.5	140.2	126.1	90.1	57.3	98.0	5.4
Spruce pine	53.7	1.4	3.3	4.2	7.1	7.5	5.7	4.9	8.3	11.1	0.0
Redcedars	1.8	0.5	0.2	0.1	0.3	0.7	0.0	0.0	0.0	0.0	0.0
Atlantic white–cedar	1.3	0.3	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Cypress	36.5	6.4	4.0	5.4	2.5	2.5	3.7	3.7	2.1	6.1	0.0
Total softwoods	2,839.0	365.9	471.6	439.8	411.6	403.9	302.4	188.6	111.0	138.5	5.7
Select white oaks	106.8	7.7	8.6	10.9	12.3	12.6	11.6	12.1	9.1	19.9	1.9
Select red oaks	28.4	1.5	1.6	0.4	1.9	1.6	2.8	5.5	2.0	8.6	2.5
Other white oaks	83.9	8.2	11.3	16.0	9.3	11.8	7.4	5.9	4.4	7.6	2.0
Other red oaks	542.1	43.5	70.5	69.7	62.1	71.1	59.6	38.7	33.4	70.1	23.5
Sweet pecan	3.4	0.2	0.2	0.4	0.0	1.7	0.0	0.0	0.0	0.6	0.4
Water hickory	6.2	0.4	0.0	0.6	0.0	1.9	0.0	1.8	0.8	0.8	0.0
Other hickories	39.7	2.5	2.6	4.7	4.3	5.6	5.4	4.7	5.2	4.6	0.0
Persimmon	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	76.6	25.7	21.3	12.3	5.4	5.7	3.3	1.8	0.5	0.6	0.0
Boxelder	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beech	20.3	0.0	0.0	0.9	2.4	0.4	2.3	3.8	2.9	5.3	2.2
Sweetgum	206.8	22.9	35.9	30.4	28.5	19.6	19.0	13.5	11.7	22.1	3.1
Blackgum	307.8	41.1	48.5	46.8	47.3	46.8	39.0	17.5	10.2	8.8	1.8
Other gums/tupelos	159.1	11.1	24.4	39.7	25.2	17.4	11.6	15.4	4.7	9.4	0.1
White ash	2.6	0.6	0.0	0.0	1.0	0.0	0.5	0.0	0.6	0.0	0.0
Other ashes	14.8	0.5	2.1	2.2	1.8	1.7	3.6	0.0	1.4	1.6	0.0
Sycamore	4.9	0.0	1.4	0.7	1.7	1.1	0.0	0.0	0.0	0.0	0.0
Yellow–poplar	154.2	6.8	14.0	21.7	24.7	26.1	18.1	19.7	9.5	11.1	2.5
Magnolias	19.2	1.2	2.2	2.9	2.4	3.5	1.5	2.0	1.0	2.2	0.3
Sweetbay	231.5	30.0	44.7	49.4	33.8	31.1	16.2	12.8	7.3	5.8	0.4
Willow	5.9	0.7	0.8	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Black walnut	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black cherry	20.9	7.9	5.3	4.3	2.2	0.2	0.1	0.5	0.0	0.4	0.0
American elm	8.3	0.7	1.5	1.2	2.1	1.1	0.0	0.3	0.0	0.6	0.8
Other elms	7.3	0.7	1.5	1.0	1.6	1.5	1.1	0.0	0.0	0.0	0.0
River birch	6.5	0.9	0.7	2.6	0.4	0.3	1.4	0.3	0.0	0.0	0.0
Hackberries	3.2	0.1	0.5	0.8	0.7	0.4	0.4	0.0	0.3	0.0	0.0
Sassafras	2.9	1.1	0.7	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Dogwood	14.2	10.4	3.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Holly	15.1	3.8	3.7	2.8	2.8	0.7	0.8	0.5	0.0	0.0	0.0
Other commercial	4.2	1.8	1.4	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0
Total hardwoods	2,099.0	232.4	309.6	328.2	275.5	264.1	205.6	157.0	105.0	180.0	41.6
Noncommercial	45.1	15.2	13.1	10.1	2.0	2.0	1.1	0.6	0.3	0.2	0.4
All species	4,983.0	613.6	794.3	778.1	689.1	670.1	509.0	346.2	216.3	318.7	47.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 35.—*Volume of growing stock on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million cubic feet										
Longleaf pine	555.5	34.2	65.2	79.1	104.6	124.2	80.7	41.2	17.4	9.0	0.0
Slash pine	728.5	114.0	143.5	132.9	106.9	96.5	64.6	36.2	20.6	13.4	0.0
Shortleaf pine	201.6	12.6	28.6	43.8	45.1	31.9	21.0	12.6	5.2	0.8	0.0
Loblolly pine	1,228.6	182.6	218.0	171.8	142.9	138.6	125.3	89.3	57.3	97.3	5.4
Spruce pine	53.5	1.3	3.3	4.2	7.1	7.5	5.7	4.9	8.3	11.1	0.0
Redcedars	1.1	0.5	0.0	0.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Atlantic white–cedar	1.3	0.3	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Cypress	34.4	5.7	3.8	4.8	2.4	2.5	3.6	3.7	1.8	6.1	0.0
Total softwoods	2,804.5	351.1	462.8	436.7	409.0	401.8	301.5	187.9	110.7	137.8	5.4
Select white oaks	97.6	6.5	7.5	10.0	10.5	11.9	11.2	10.4	8.4	19.5	1.7
Select red oaks	25.9	1.5	1.6	0.4	1.5	1.1	1.8	5.3	2.0	8.6	2.1
Other white oaks	67.6	6.9	9.7	13.6	7.3	8.8	5.4	3.4	3.6	7.1	1.9
Other red oaks	459.6	38.6	61.0	60.3	50.2	57.8	48.7	32.6	28.0	60.3	22.0
Sweet pecan	2.3	0.2	0.0	0.4	0.0	1.2	0.0	0.0	0.0	0.6	0.0
Water hickory	5.2	0.4	0.0	0.6	0.0	1.4	0.0	1.8	0.3	0.8	0.0
Other hickories	30.7	2.0	2.1	4.3	3.6	4.5	4.2	3.3	3.9	2.8	0.0
Persimmon	0.8	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	49.9	16.5	12.9	8.4	4.4	3.9	3.0	0.8	0.0	0.0	0.0
Boxelder	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Beech	13.4	0.0	0.0	0.9	1.3	0.4	2.1	3.7	0.8	2.5	1.8
Sweetgum	190.5	19.7	33.2	27.3	25.6	19.0	17.2	12.7	11.5	21.2	3.1
Blackgum	266.0	32.6	40.4	41.3	40.8	43.3	36.5	16.4	7.0	6.9	0.7
Other gums/tupelos	144.3	9.9	22.1	37.5	23.4	16.4	9.9	14.2	4.2	6.7	0.0
White ash	2.4	0.4	0.0	0.0	1.0	0.0	0.5	0.0	0.6	0.0	0.0
Other ashes	12.5	0.2	2.0	1.2	1.2	1.7	3.2	0.0	1.4	1.6	0.0
Sycamore	4.5	0.0	1.0	0.7	1.7	1.1	0.0	0.0	0.0	0.0	0.0
Yellow–poplar	142.0	6.3	12.0	19.5	22.0	25.0	17.6	17.9	9.5	9.5	2.5
Magnolias	12.8	1.1	1.4	1.9	1.1	2.0	1.0	0.9	1.0	2.2	0.3
Sweetbay	166.3	22.4	34.3	36.9	24.8	22.4	10.2	8.9	3.1	3.0	0.3
Willow	3.3	0.5	0.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black walnut	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Black cherry	16.1	5.8	3.7	4.0	2.0	0.0	0.0	0.5	0.0	0.1	0.0
American elm	6.8	0.7	1.5	0.9	1.8	0.6	0.0	0.0	0.0	0.6	0.8
Other elms	5.8	0.7	1.1	0.3	1.2	1.5	1.1	0.0	0.0	0.0	0.0
River birch	4.9	0.3	0.4	2.1	0.4	0.3	1.0	0.3	0.0	0.0	0.0
Hackberries	2.5	0.0	0.5	0.5	0.4	0.4	0.4	0.0	0.3	0.0	0.0
Sassafras	1.2	0.5	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dogwood	3.2	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Holly	9.5	2.4	3.2	1.9	1.4	0.0	0.0	0.5	0.0	0.0	0.0
Other commercial	1.9	1.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total hardwoods	1,750.8	180.5	253.8	279.3	227.5	224.6	174.8	133.5	85.5	154.1	37.2
All species	4,555.3	531.5	716.6	716.0	636.5	626.4	476.4	321.3	196.1	291.9	42.5

*Numbers in columns and rows may not add to totals due to rounding.

Table 36.—*Volume of growing stock in the sawlog portion of sawtimber trees on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million cubic feet								
Longleaf pine	400.4	66.0	92.2	111.5	72.7	36.1	14.6	7.2	0.0
Slash pine	409.8	106.2	94.5	86.8	58.6	32.6	18.9	12.2	0.0
Shortleaf pine	137.1	35.2	39.1	28.1	18.4	10.9	4.8	0.6	0.0
Loblolly pine	703.9	134.9	122.0	121.6	108.8	78.0	48.8	85.1	4.8
Spruce pine	42.6	3.5	6.0	6.6	5.0	4.5	7.3	9.7	0.0
Redcedars	0.6	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Atlantic white–cedar	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Cypress	21.8	3.7	1.9	2.4	3.3	3.4	1.5	5.6	0.0
Total softwoods	1,716.7	349.7	355.7	357.5	267.3	165.4	95.9	120.3	4.8
Select white oaks	58.5	0.0	8.1	9.4	9.0	8.9	6.5	15.6	0.9
Select red oaks	19.2	0.0	0.9	1.1	1.7	4.7	1.7	7.2	1.9
Other white oaks	29.6	0.0	5.5	7.2	4.0	2.6	3.0	5.7	1.5
Other red oaks	244.6	0.0	35.8	47.2	40.5	27.1	23.5	51.4	19.2
Sweet pecan	1.2	0.0	0.0	0.8	0.0	0.0	0.0	0.4	0.0
Water hickory	3.9	0.0	0.0	1.2	0.0	1.5	0.3	0.8	0.0
Other hickories	17.2	0.0	2.9	3.4	3.2	2.6	2.9	2.2	0.0
Soft maples	9.7	0.0	3.4	3.0	2.6	0.7	0.0	0.0	0.0
Beech	10.3	0.0	1.1	0.4	1.6	3.1	0.7	2.1	1.3
Sweetgum	90.9	0.0	18.1	15.1	14.4	11.0	10.1	19.6	2.7
Blackgum	123.7	0.0	28.9	36.4	31.1	14.1	6.4	6.1	0.7
Other gums/tupelos	62.6	0.0	16.9	13.4	9.1	13.2	3.8	6.2	0.0
White ash	1.5	0.0	0.7	0.0	0.4	0.0	0.4	0.0	0.0
Other ashes	7.9	0.0	0.9	1.2	2.8	0.0	1.4	1.6	0.0
Sycamore	2.4	0.0	1.3	1.1	0.0	0.0	0.0	0.0	0.0
Yellow–poplar	84.6	0.0	15.5	20.1	14.9	15.1	8.1	8.6	2.4
Magnolias	6.9	0.0	0.8	1.7	0.8	0.8	0.7	1.8	0.3
Sweetbay	57.0	0.0	17.0	18.2	8.6	7.6	2.6	2.7	0.3
Black cherry	2.0	0.0	1.5	0.0	0.0	0.4	0.0	0.1	0.0
American elm	2.9	0.0	1.4	0.5	0.0	0.0	0.0	0.5	0.4
Other elms	2.6	0.0	0.8	1.0	0.8	0.0	0.0	0.0	0.0
River birch	1.8	0.0	0.3	0.2	0.9	0.3	0.0	0.0	0.0
Hackberries	1.3	0.0	0.3	0.3	0.4	0.0	0.3	0.0	0.0
Holly	1.2	0.0	0.9	0.0	0.0	0.3	0.0	0.0	0.0
Total hardwoods	843.3	0.0	163.1	183.0	146.8	113.9	72.3	132.6	31.6
All species	2,560.0	349.7	518.8	540.5	414.1	279.3	168.3	252.9	36.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 37.—*Volume of live trees on timberland by detailed species and class of timber, south Mississippi counties, 1994**

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Longleaf pine	556.1	555.5	0.6	0.0
Slash pine	740.8	728.5	12.1	0.2
Shortleaf pine	204.3	201.6	2.7	0.0
Loblolly pine	1,244.5	1,228.6	15.8	0.2
Spruce pine	53.7	53.5	0.1	0.0
Redcedars	1.8	1.1	0.7	0.0
Atlantic white-cedar	1.3	1.3	0.0	0.0
Cypress	36.5	34.4	1.7	0.4
Total softwoods	2,839.0	2,804.5	33.7	0.8
Select white oaks	106.8	97.6	8.3	0.9
Select red oaks	28.4	25.9	1.2	1.3
Other white oaks	83.9	67.6	14.2	2.2
Other red oaks	542.1	459.6	65.3	17.2
Sweet pecan	3.4	2.3	1.0	0.2
Water hickory	6.2	5.2	0.5	0.5
Other hickories	39.7	30.7	8.2	0.8
Persimmon	0.8	0.8	0.0	0.0
Hard maples	0.5	0.5	0.0	0.0
Soft maples	76.6	49.9	23.8	2.9
Boxelder	0.4	0.4	0.0	0.0
Beech	20.3	13.4	4.2	2.7
Sweetgum	206.8	190.5	13.6	2.6
Blackgum	307.8	266.0	34.6	7.2
Other gums/tupelos	159.1	144.3	8.9	5.8
White ash	2.6	2.4	0.2	0.0
Other ashes	14.8	12.5	1.9	0.3
Sycamore	4.9	4.5	0.4	0.0
Yellow-poplar	154.2	142.0	9.7	2.6
Magnolias	19.2	12.8	6.1	0.3
Sweetbay	231.5	166.3	48.9	16.3
Willow	5.9	3.3	2.4	0.2
Black walnut	0.3	0.3	0.0	0.0
Black cherry	20.9	16.1	4.5	0.4
American elm	8.3	6.8	1.1	0.5
Other elms	7.3	5.8	1.5	0.0
River birch	6.5	4.9	1.7	0.0
Hackberries	3.2	2.5	0.7	0.0
Sassafras	2.9	1.2	1.6	0.0
Dogwood	14.2	3.2	10.9	0.1
Holly	15.1	9.5	5.5	0.1
Other commercial	4.2	1.9	2.1	0.2
Total hardwoods	2,099.0	1,750.8	282.8	65.4
Noncommercial	45.1	0.0	45.1	0.0
All species	4,983.0	4,555.3	361.6	66.1

*Numbers in columns and rows may not add to totals due to rounding.

Table 38.—*Volume of sawtimber for tree grade 1 on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million board feet								
Longleaf pine	199.1	8.9	36.6	79.0	37.9	25.2	7.3	4.2	0.0
Slash pine	1,068.5	100.2	233.1	255.6	212.9	129.2	71.1	66.3	0.0
Shortleaf pine	189.9	23.3	45.5	55.2	30.9	26.2	8.8	0.0	0.0
Loblolly pine	853.9	40.8	71.1	111.7	161.3	167.1	87.1	203.3	11.6
Spruce pine	59.9	2.2	8.0	7.7	0.0	8.3	14.3	19.4	0.0
Redcedars	3.0	0.4	0.0	2.6	0.0	0.0	0.0	0.0	0.0
Cypress	68.7	4.9	2.4	10.8	6.2	8.3	8.0	28.3	0.0
Total softwoods	2,442.9	180.7	396.6	522.6	449.1	364.3	196.5	321.6	11.6
Select white oaks	63.7	0.0	0.0	0.0	0.0	13.9	17.6	28.7	3.5
Select red oaks	21.9	0.0	0.0	0.0	0.0	6.2	0.0	11.6	4.2
Other white oaks	4.4	0.0	0.0	0.0	0.0	2.1	0.0	2.3	0.0
Other red oaks	42.9	0.0	0.0	0.0	0.0	6.5	5.2	19.7	11.6
Water hickory	8.4	0.0	0.0	0.0	0.0	3.5	0.0	4.9	0.0
Other hickories	1.7	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
Sweetgum	121.6	0.0	0.0	0.0	11.8	15.9	23.1	67.2	3.5
Blackgum	89.8	0.0	0.0	0.0	37.9	31.2	5.0	12.8	2.9
Other gums/tupelos	37.1	0.0	0.0	0.0	6.5	20.0	6.4	4.2	0.0
White ash	2.7	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
Other ashes	17.0	0.0	0.0	0.0	3.4	0.0	9.5	4.1	0.0
Yellow-poplar	29.8	0.0	0.0	0.0	7.3	4.2	0.0	15.8	2.4
Magnolias	10.1	0.0	0.0	0.0	2.6	0.0	0.0	7.5	0.0
Sweetbay	7.7	0.0	0.0	0.0	0.0	2.2	2.6	2.8	0.0
Black cherry	2.5	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
Total hardwoods	461.4	0.0	0.0	0.0	69.5	110.0	72.3	181.5	28.1
All species	2,904.3	180.7	396.6	522.6	518.6	474.3	268.8	503.1	39.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 39.—*Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million board feet								
Longleaf pine	329.5	41.1	68.8	80.5	70.7	59.1	6.8	2.5	0.0
Slash pine	439.7	67.1	87.4	135.6	96.3	17.2	25.7	10.3	0.0
Shortleaf pine	201.4	39.1	54.2	43.4	39.3	17.4	5.9	2.2	0.0
Loblolly pine	880.5	81.8	110.5	167.6	145.8	103.0	69.6	186.5	15.6
Spruce pine	47.4	0.0	0.0	10.8	14.9	0.0	17.2	4.6	0.0
Cypress	11.1	1.1	2.3	0.0	4.1	3.6	0.0	0.0	0.0
Total softwoods	1,909.6	230.3	323.2	437.9	371.0	200.3	125.2	206.2	15.6
Select white oaks	58.7	0.0	0.0	11.0	12.4	10.0	15.4	9.9	0.0
Select red oaks	12.3	0.0	0.0	0.0	0.0	2.8	0.0	9.5	0.0
Other white oaks	24.2	0.0	0.0	2.1	4.6	0.0	3.0	11.7	2.8
Other red oaks	113.5	0.0	0.0	4.8	30.0	25.6	9.5	37.9	5.7
Other hickories	22.7	0.0	0.0	7.5	3.2	0.0	7.5	4.5	0.0
Soft maples	8.8	0.0	0.0	3.5	5.2	0.0	0.0	0.0	0.0
Beech	3.3	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
Sweetgum	116.2	0.0	0.0	18.7	31.7	20.2	14.1	24.3	7.2
Blackgum	247.6	0.0	0.0	120.2	80.5	24.1	18.6	4.1	0.0
Other gums/tupelos	84.5	0.0	0.0	39.6	18.5	22.5	0.0	3.9	0.0
Other ashes	10.4	0.0	0.0	2.3	5.6	0.0	0.0	2.5	0.0
Sycamore	3.6	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0
Yellow-poplar	112.7	0.0	0.0	33.6	41.3	11.0	10.2	9.1	7.5
Sweetbay	30.6	0.0	0.0	16.0	2.0	4.1	2.0	6.4	0.0
American elm	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0
Hackberries	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0
Total hardwoods	854.7	0.0	0.0	264.9	235.0	123.5	80.4	127.6	23.2
All species	2,764.3	230.3	323.2	702.8	606.1	323.8	205.6	333.8	38.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 40.—*Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million board feet								
Longleaf pine	1,960.7	320.0	451.8	544.7	364.1	159.3	82.1	38.7	0.0
Slash pine	993.7	403.7	240.9	157.4	81.8	71.1	28.1	10.6	0.0
Shortleaf pine	463.7	136.4	140.3	84.5	50.7	28.6	21.4	1.8	0.0
Loblolly pine	2,570.6	598.7	529.7	464.6	376.0	241.0	151.6	200.8	8.1
Spruce pine	166.9	16.7	27.3	23.0	17.7	22.1	17.4	42.7	0.0
Atlantic white–cedar	2.8	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0
Cypress	45.6	12.1	5.1	2.9	8.7	7.4	2.0	7.3	0.0
Total softwoods	6,204.0	1,487.7	1,395.1	1,277.1	901.8	529.6	302.6	302.0	8.1
Select white oaks	144.9	0.0	21.6	20.3	23.3	18.9	6.8	50.7	3.3
Select red oaks	55.9	0.0	4.8	3.1	6.7	10.1	11.0	12.9	7.5
Other white oaks	105.5	0.0	27.2	22.8	12.4	12.2	9.0	13.7	8.1
Other red oaks	455.5	0.0	71.6	64.2	69.1	59.7	55.5	67.3	68.2
Water hickory	14.4	0.0	0.0	8.2	0.0	6.3	0.0	0.0	0.0
Other hickories	55.2	0.0	4.7	12.7	10.9	9.8	12.6	4.6	0.0
Soft maples	24.6	0.0	10.1	8.3	3.6	2.7	0.0	0.0	0.0
Beech	34.9	0.0	3.8	0.0	6.6	7.7	2.7	6.8	7.2
Sweetgum	226.0	0.0	90.4	48.0	28.6	15.8	13.6	27.0	2.6
Blackgum	286.6	0.0	143.4	62.0	39.8	17.4	6.8	17.3	0.0
Other gums/tupelos	210.8	0.0	85.7	31.1	27.8	28.0	15.6	22.6	0.0
White ash	6.6	0.0	4.0	0.0	2.6	0.0	0.0	0.0	0.0
Other ashes	17.1	0.0	5.5	5.0	4.8	0.0	0.0	1.8	0.0
Sycamore	10.9	0.0	7.7	3.3	0.0	0.0	0.0	0.0	0.0
Yellow–poplar	241.0	0.0	76.1	55.7	19.6	48.2	24.2	17.3	0.0
Magnolias	13.3	0.0	2.4	4.3	0.0	2.2	2.6	0.0	1.8
Sweetbay	157.8	0.0	62.9	51.7	23.3	13.2	5.4	1.3	0.0
Black cherry	7.2	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0
American elm	11.9	0.0	8.6	3.3	0.0	0.0	0.0	0.0	0.0
Other elms	15.2	0.0	4.1	6.1	5.1	0.0	0.0	0.0	0.0
River birch	6.5	0.0	0.0	1.4	5.1	0.0	0.0	0.0	0.0
Hackberries	3.2	0.0	1.4	0.0	0.0	0.0	1.8	0.0	0.0
Holly	4.7	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0
Total hardwoods	2,109.8	0.0	647.8	411.4	289.1	252.1	167.5	243.3	98.6
All species	8,313.8	1,487.7	2,043.0	1,688.5	1,191.0	781.6	470.1	545.2	106.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 41.—*Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, south Mississippi counties, 1994**

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
	Million board feet								
Select white oaks	85.6	0.0	25.8	26.1	10.4	11.9	4.3	7.1	0.0
Select red oaks	20.3	0.0	0.0	3.1	3.5	7.7	0.0	6.0	0.0
Other white oaks	37.6	0.0	3.1	12.8	7.9	1.2	3.0	9.5	0.0
Other red oaks	730.3	0.0	110.1	183.6	129.8	69.8	56.6	154.0	26.4
Sweet pecan	8.0	0.0	0.0	5.1	0.0	0.0	0.0	2.9	0.0
Other hickories	22.5	0.0	11.6	0.0	2.6	5.0	0.0	3.4	0.0
Soft maples	16.2	0.0	9.4	4.3	2.5	0.0	0.0	0.0	0.0
Beech	27.6	0.0	2.4	2.3	1.9	9.6	0.0	8.8	2.6
Sweetgum	45.7	0.0	8.5	7.7	6.8	9.8	6.2	6.7	0.0
Blackgum	27.1	0.0	5.5	14.0	2.2	5.4	0.0	0.0	0.0
Other gums/tupelos	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0
Other ashes	2.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0
Yellow–poplar	70.9	0.0	10.2	20.7	11.2	12.2	11.2	5.5	0.0
Magnolias	14.8	0.0	2.1	3.5	2.3	2.8	1.6	2.4	0.0
Sweetbay	68.4	0.0	18.7	18.8	10.8	13.9	3.4	2.8	0.0
Black cherry	1.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
American elm	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
Hackberries	2.1	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0
Holly	2.1	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
Total hardwoods	1,189.5	0.0	209.3	302.0	196.6	151.4	86.3	211.5	32.4
All species	1,189.5	0.0	209.3	302.0	196.6	151.4	86.3	211.5	32.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 42.—*Volume of sawtimber on timberland by species and ownership class, south Mississippi counties, 1994*

Species	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Million board feet					
Yellow pines	10,618.1	2,697.9	478.4	1,708.3	40.5	5,693.0
Cypress	125.4	3.5	57.1	14.1	0.0	50.7
Redcedars	3.0	0.4	0.0	2.6	0.0	0.0
Other softwoods	2.8	0.0	0.0	0.0	0.0	2.8
Total softwoods	10,749.4	2,701.9	535.4	1,725.1	40.5	5,746.6
Select white–red oaks	490.4	41.2	4.5	70.2	0.0	374.5
Other white–red oaks	1,649.0	153.5	118.9	317.8	0.0	1,058.8
Hickories	138.4	2.9	3.4	31.5	0.0	100.6
Sweetgum	546.7	11.9	104.6	131.9	0.0	298.4
Tupelos and blackgums	1,033.3	118.1	104.5	220.8	0.0	589.9
Ashes–walnut–black cherry	68.5	0.5	7.4	29.8	0.0	30.8
Yellow–poplar	492.5	68.2	10.1	67.2	0.0	346.9
Other hardwoods	557.1	46.9	21.3	117.5	0.0	371.5
Total hardwoods	4,975.9	443.2	374.7	986.6	0.0	3,171.3
All species	15,725.3	3,145.1	910.2	2,711.7	40.5	8,917.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 43.—*Average net annual growth, average annual removals, and average annual mortality of live trees by county and species group, south Mississippi counties, 1994**

County	Net Growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
Covington	8.8	4.5	4.3	11.8	2.7	9.0	1.6	0.6	1.1
Forrest	11.3	8.9	2.4	15.1	13.2	1.9	2.0	1.4	0.7
George	11.0	7.3	3.6	9.6	4.1	5.5	2.4	1.1	1.3
Greene	23.5	16.9	6.6	30.6	21.2	9.3	3.1	1.6	1.5
Hancock	11.9	10.0	2.0	10.9	10.4	0.6	1.1	0.9	0.2
Harrison	19.0	13.6	5.5	8.6	7.8	0.7	1.9	1.3	0.6
Jackson	11.4	7.5	3.9	7.4	5.5	1.9	2.7	0.5	2.2
Jefferson Davis	11.7	8.0	3.7	10.3	7.5	2.8	0.4	0.2	0.2
Jones	23.4	16.0	7.4	23.0	14.9	8.1	2.6	1.5	1.0
Lamar	18.7	15.0	3.7	20.6	13.0	7.5	2.4	1.4	1.0
Lawrence	14.9	10.6	4.3	17.6	12.6	5.0	3.1	1.9	1.2
Marion	12.7	9.3	3.4	17.6	10.6	7.0	4.5	1.5	3.0
Pearl River	20.6	15.1	5.5	19.3	12.9	6.3	2.1	0.7	1.4
Perry	23.2	20.1	3.1	16.3	14.5	1.9	3.9	1.7	2.2
Stone	13.0	10.5	2.4	9.7	8.7	1.0	1.0	0.5	0.4
Walthall	8.1	6.1	2.0	3.4	2.3	1.1	1.3	0.2	1.0
Wayne	36.0	25.5	10.5	16.3	11.7	4.6	3.3	1.8	1.6
All counties	279.2	205.0	74.3	247.9	173.6	74.4	39.4	18.8	20.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 44.—*Average net annual growth, average annual removals, and average annual mortality of live trees by ownership class and species group, south Mississippi counties, 1994**

Ownership class	Net Growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
National forest	28.4	22.8	5.6	14.2	13.0	1.1	4.2	2.8	1.4
Other public	7.1	4.9	2.2	5.0	4.7	0.3	2.4	1.6	0.8
Forest industry	78.9	65.1	13.8	81.4	56.1	25.3	8.5	5.1	3.4
Forest industry–leased	0.9	0.8	0.1	1.3	1.2	0.0	0.1	0.1	0.0
Other private	164.0	111.4	52.6	146.2	98.6	47.6	24.1	9.2	15.0
All ownerships	279.2	205.0	74.3	247.9	173.6	74.4	39.4	18.8	20.6

*Numbers in columns and rows may not add to totals due to rounding.

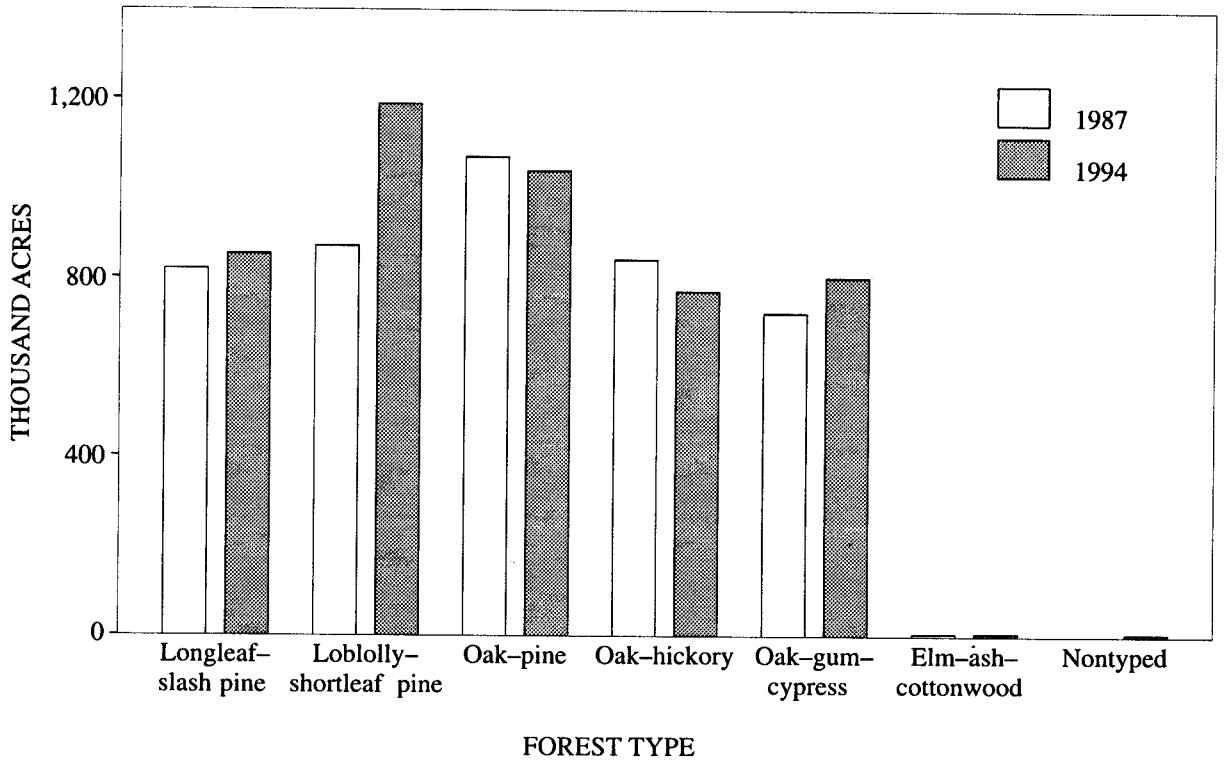

Figure 1.—*Area of timberland by forest type, south Mississippi, 1987 and 1994.*

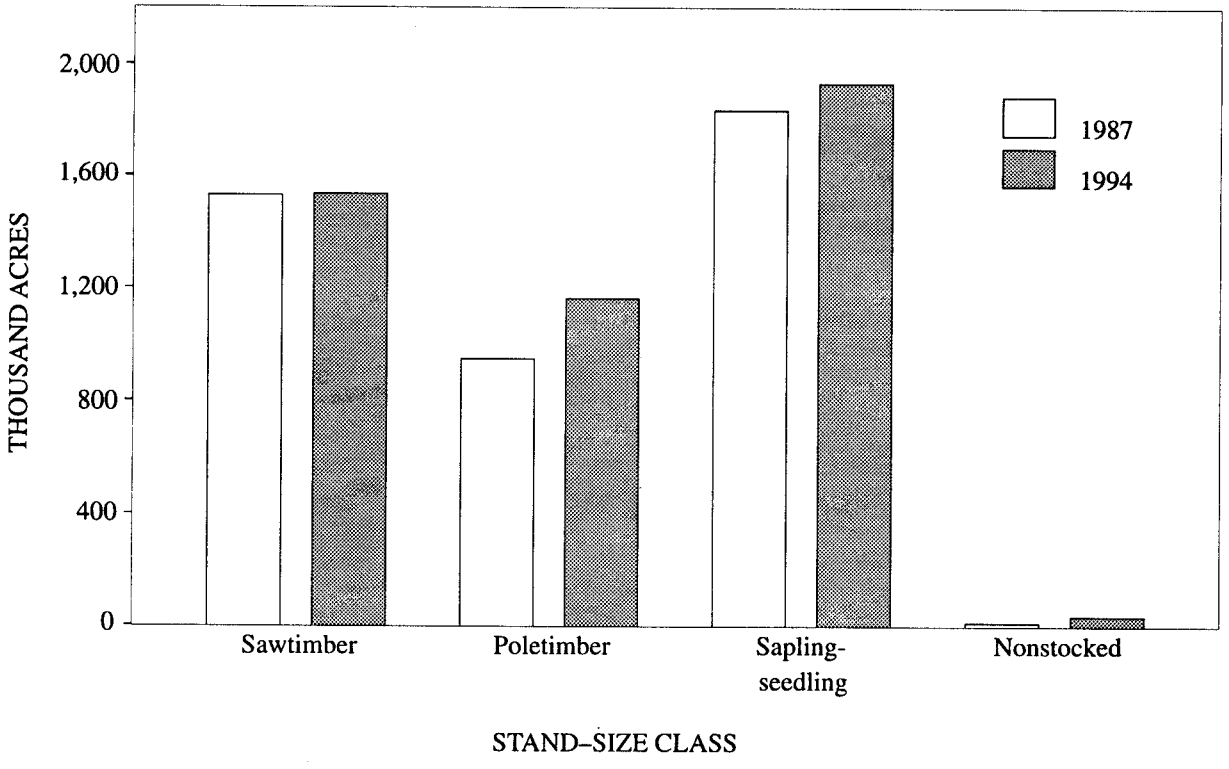

Figure 2.—*Area of timberland by stand-size class, south Mississippi, 1987 and 1994.*

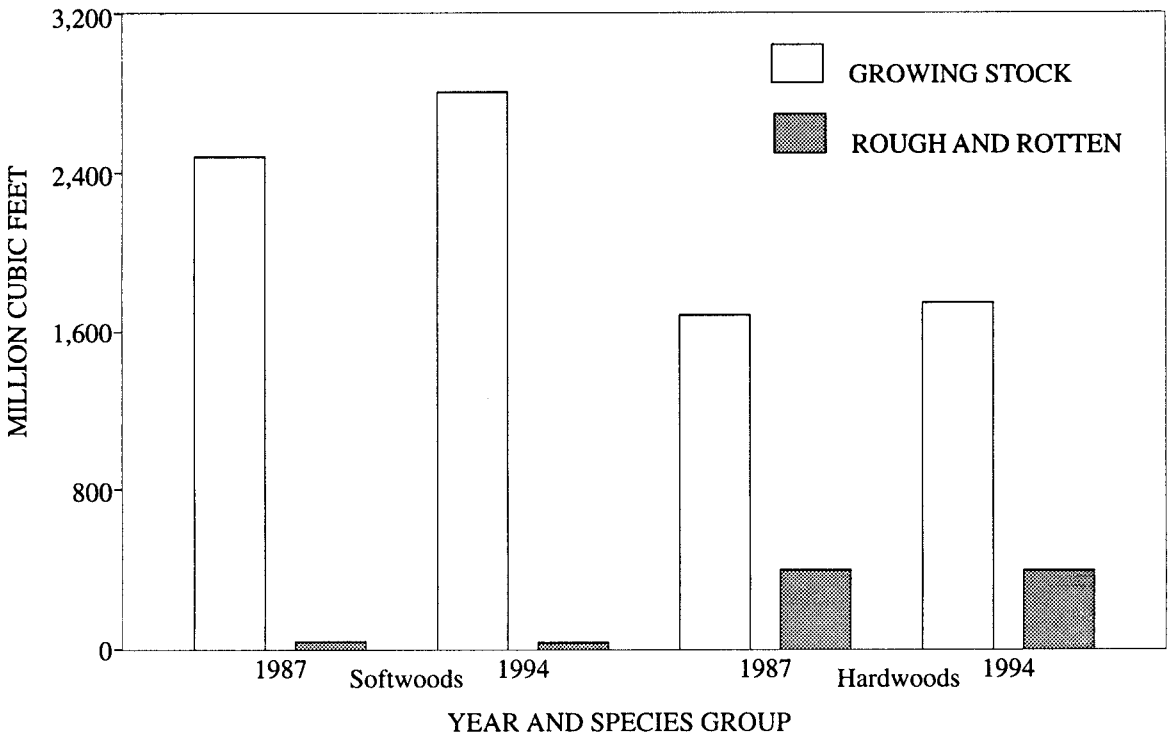

Figure 3.—*Volume of live trees on timberland by species group and class of timber, south Mississippi, 1987 and 1994.*

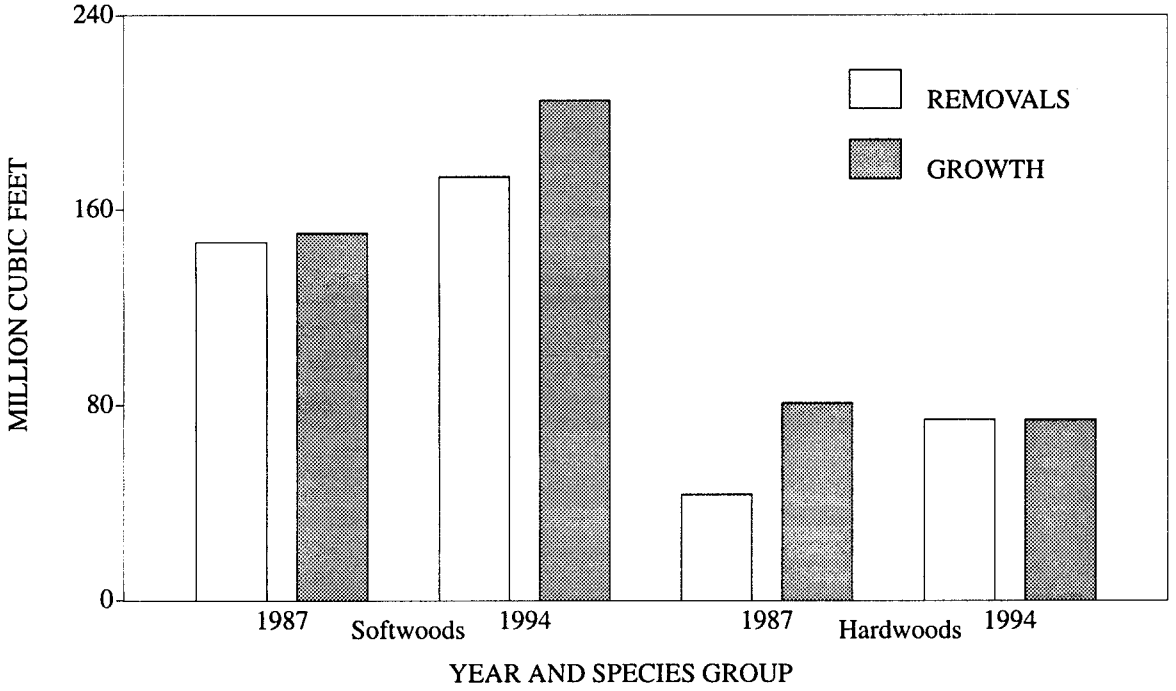

Figure 4.—*Average annual removals and average net annual growth of live trees on timberland by species group, south Mississippi, 1987 and 1994.*

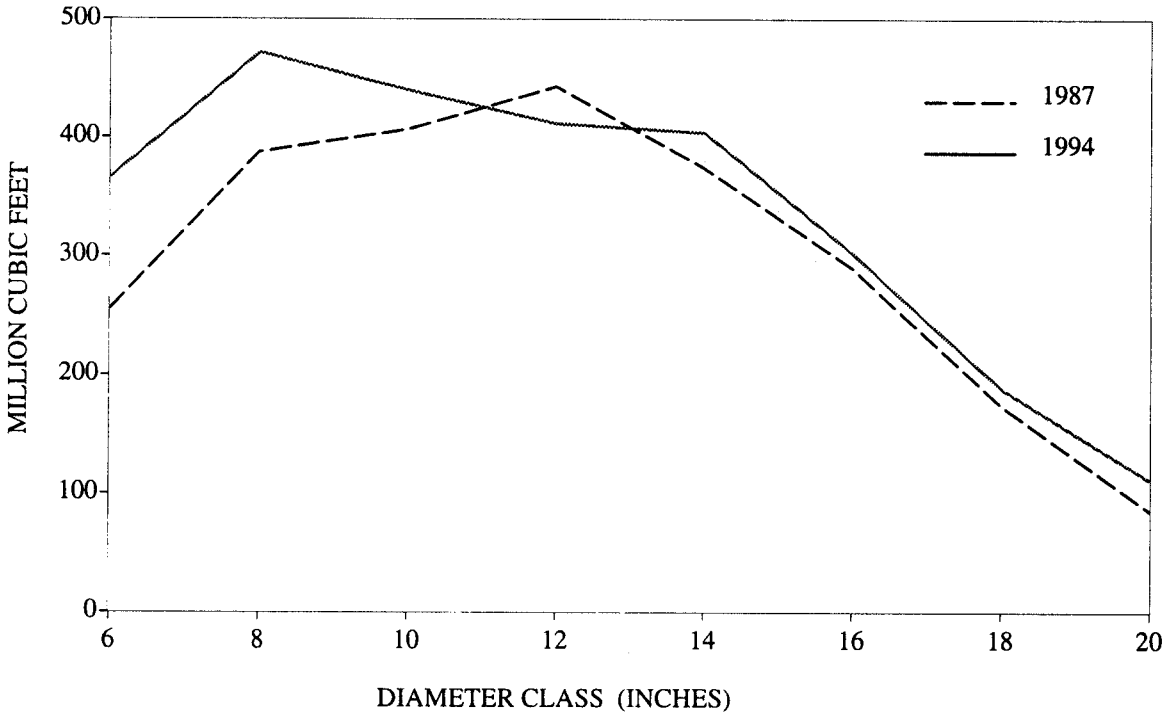

Figure 5.—*Volume of live softwood trees on timberland by diameter class, south Mississippi, 1987 and 1994.*

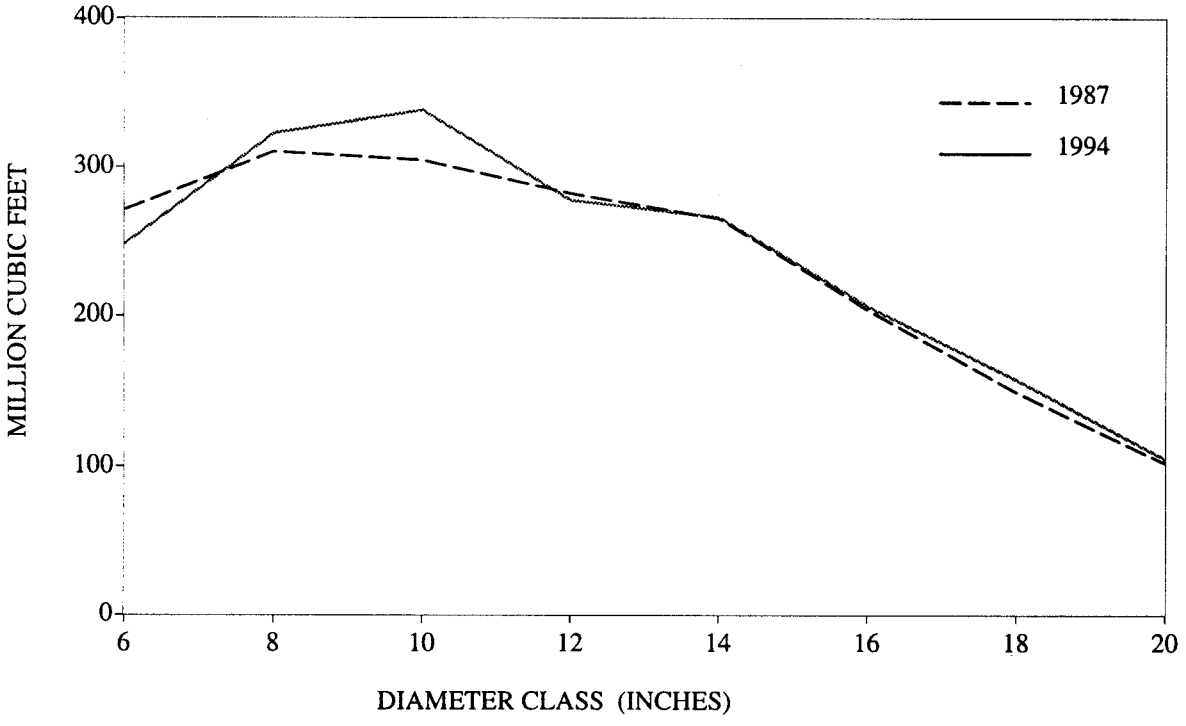

Figure 6.—*Volume of live hardwood trees on timberland by diameter class, south Mississippi, 1987 and 1994.*

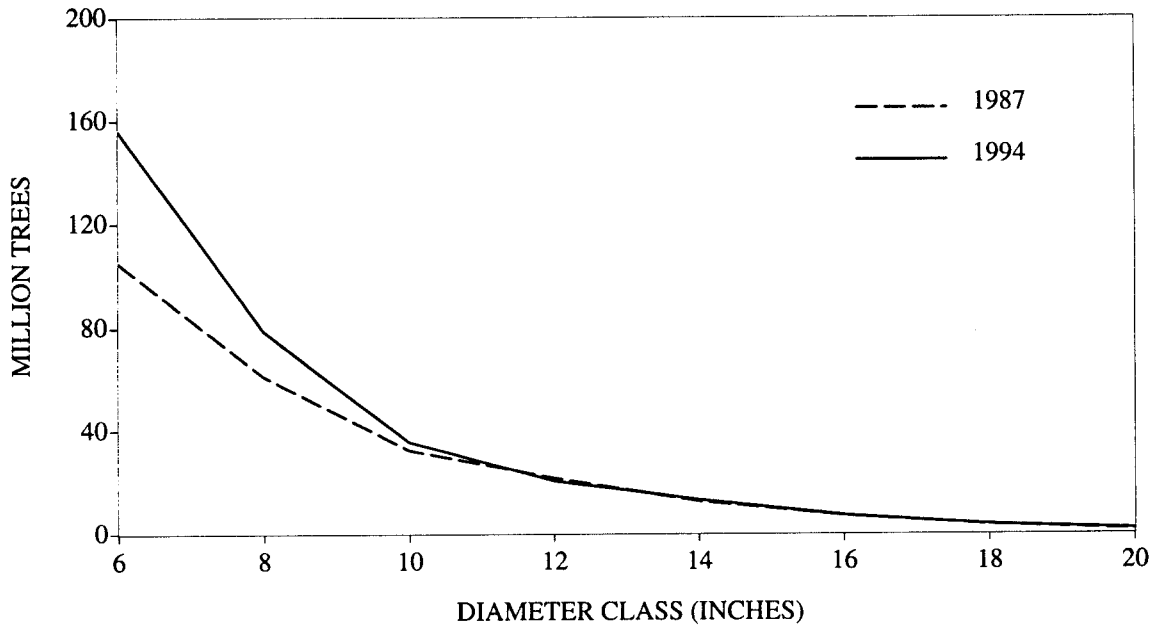

Figure 7.—*Number of live softwood trees on timberland by diameter class, south Mississippi, 1987 and 1994.*

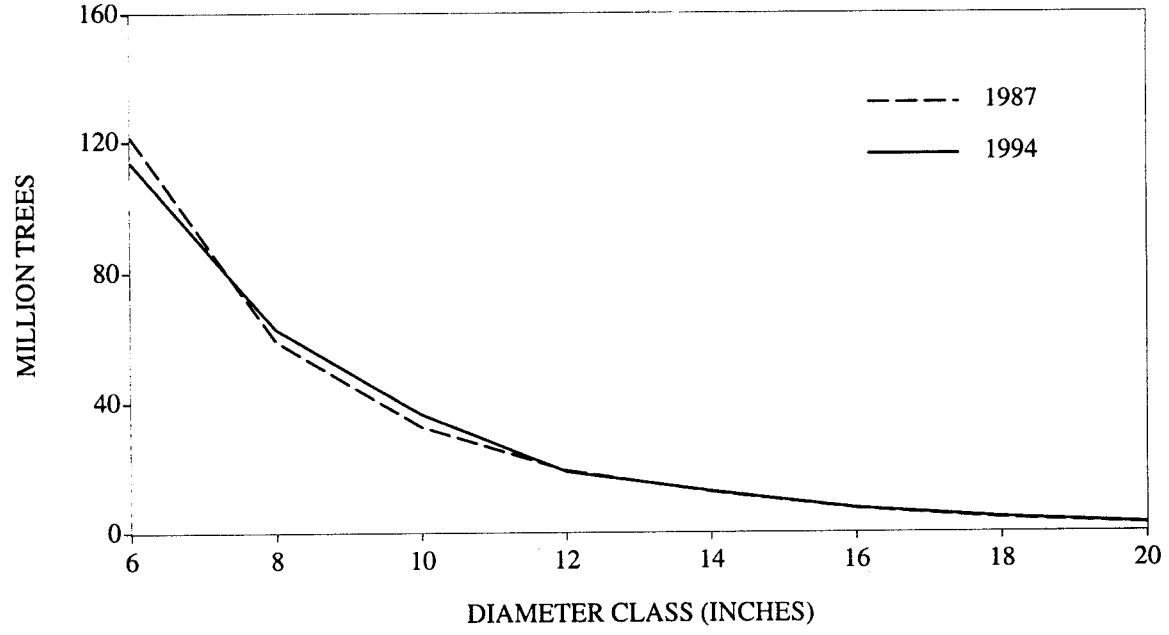

Figure 8.—*Number of live hardwood trees on timberland by diameter class, south Mississippi, 1987 and 1994.*

Faulkner, Joanne L.; Miller, Patrick E.; Hartsell, Andrew J.; London, Jack D. 1993. Forest statistics for south Mississippi counties—1994. Resour. Bull. SO-185. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 39 p.

Tabulates forest resource information from a new inventory of the southern counties of Mississippi.

Keywords: Area, forest type, ownership, stand size, volume.

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