United States
Department of
Agriculture

Forest Service

**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-124

Forest Statistics for South Mississippi Counties - 1987

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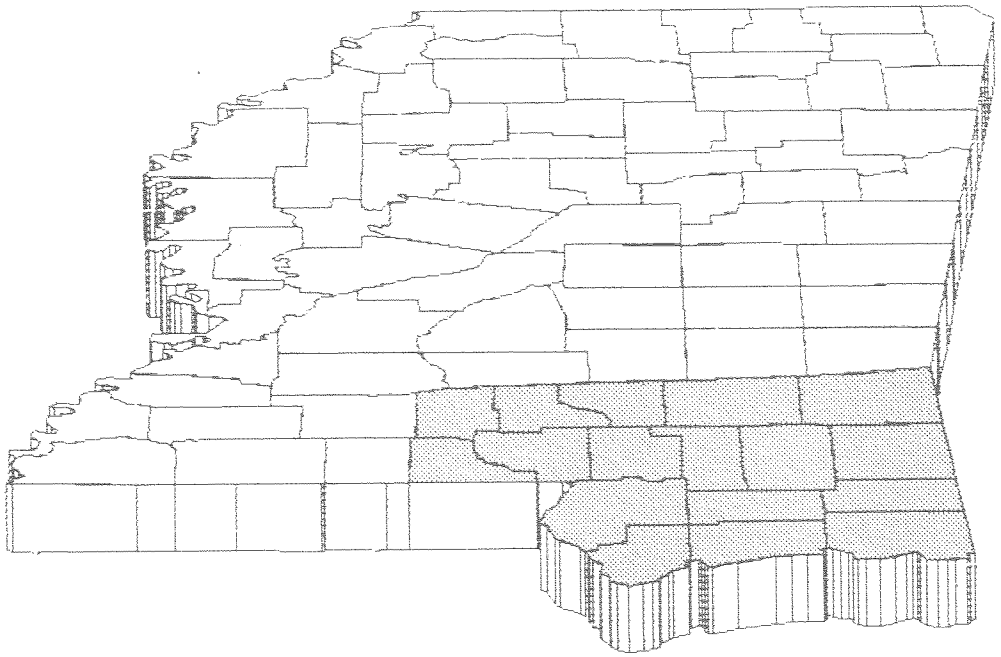

SUMMARY

The 1987 survey of the 17 counties in the South Mississippi unit indicated the following changes since the previous survey in 1977:

* Timberland area, now covering 4,329.0 thousand acres, is approximately the same.
* Publicly owned land, excluding National Forest lands which did not change, increased by 90.5 thousand acres; forest industry lands decreased by 114.0 thousand acres.
* Pine forest types decreased by 9 percent, all due to decline of the longleaf-slash pine type.
* Oak-pine and oak-hickory forest types increased by 5 percent and 24 percent respectively.
* Sapling-seedling stands decreased by 5 percent; poletimber stands and sawtimber stands increased by 4 percent and 6 percent respectively.
* Planted area increased by 347.2 thousand acres and now accounts for 24 percent of all timberland.
* Softwood growing-stock volume increased by only 2 percent.
* Hardwood growing-stock volume increased by 25 percent.
* Net growth of softwood growing stock decreased by 8 percent.
* Net growth of hardwood growing stock increased by 39 percent.
* Removals of growing stock increased 16 percent. Softwood removals increased only 12 percent, but are now about equal to net growth; hardwood removals increased by 34 percent.
* Mortality of growing stock remained about the same since the previous survey.

FOREWORD

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit, covers the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and East Texas, and the island of Puerto Rico.

This survey is part of the nationwide Forest Survey originally authorized by the McSweeney-McNary Act of 1928. More recent legislation pertinent to the survey mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The survey mission is to develop, analyze, and maintain renewable forest resource information. This information is essential for formulation of forest policies and programs.

May 1987

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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.

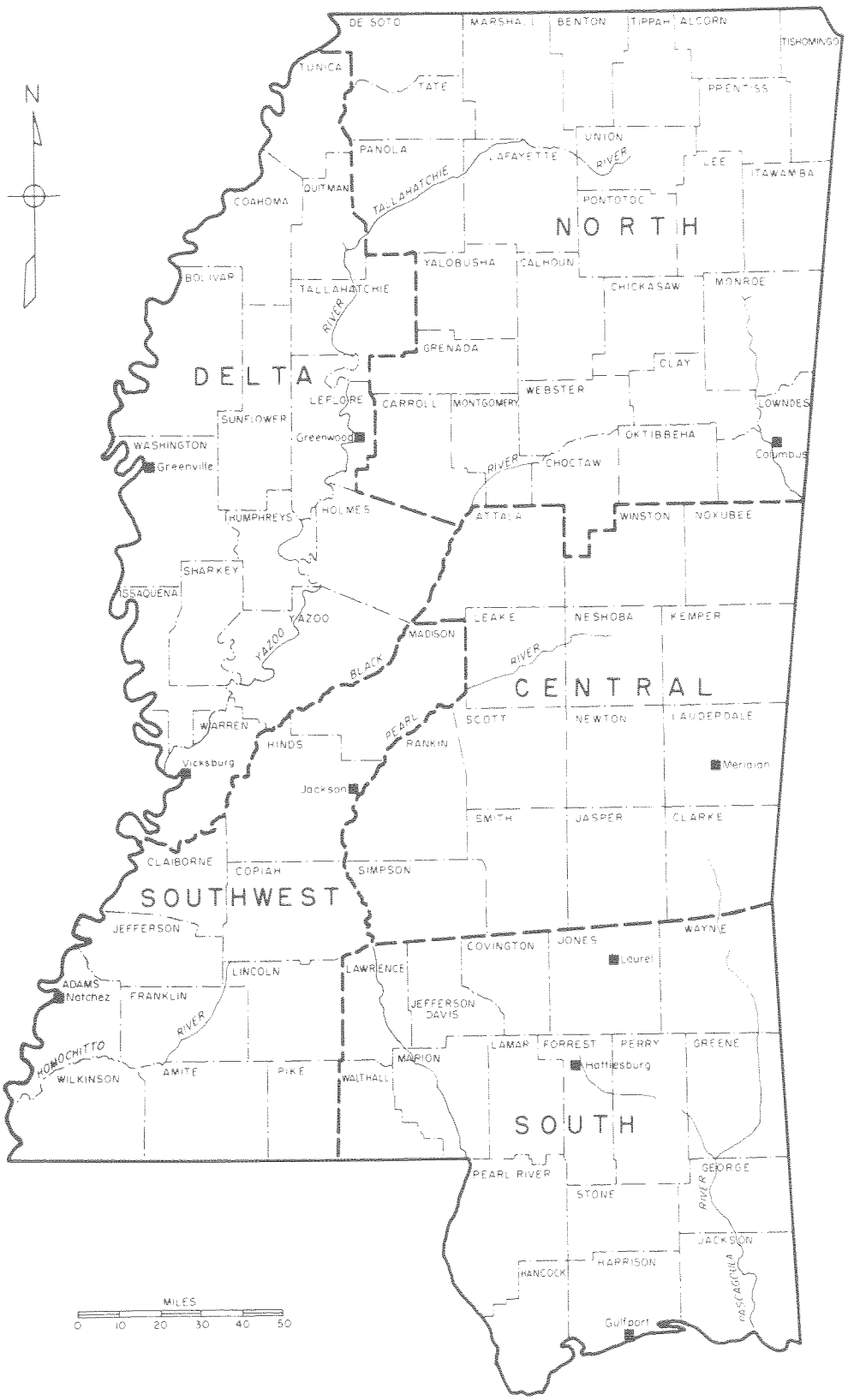

Figure I.–The forest survey regions of Mississippi

Forest Statistics for South Mississippi Counties—1987

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INTRODUCTION

The tables in this report were derived from data obtained from an inventory of 17 counties comprising the South Unit of Mississippi (Fig. I). The data on forest acreage and timber volume were secured by a three-step process. A forest-nonforest classification was accomplished on aerial photographs for points representing approximately 230 acres. These photo classifications were adjusted on the basis of ground observations at sample locations representing approximately 3,840 acres. Finally, forest locations at the intersections of a grid of lines spaced 3 miles apart were subjected to on-the-ground measurements. At these forest locations, per-acre estimates were obtained from trees measured on ten 37.5 basal area factor prism points.

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, equal to one standard deviation for the sample data, may be used to construct confidence intervals for population parameters. For example, at the 95% confidence level, the confidence interval for growing-stock volume (in million cubic feet) in South Mississippi (with a sampling error of 3.5%) is

$$4,042.9 \pm 1.96(0.035 \text{x} 4,042.9) = 4,042.9 \pm 277.3$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 3,765.6 to 4,320.2 million cubic feet,

Table I—*Sampling errors*[1] *for timberland, growing stock, and sawtimber, South Mississippi, 1987*

County	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
	Percent				
Covington	2.3	24.7	25.0	19.1	30.2
Forrest	3.2	12.4	9.5	12.2	14.4
George	3.4	15.5	17.8	24.0	16.6
Greene	1.5	11.5	8.2	16.8	15.7
Hancock	2.8	17.4	17.3	27.0	21.6
Harrison	2.2	13.4	12.4	22.3	16.6
Jackson	2.4	14.1	16.0	20.4	16.3
Jefferson Davis	3.7	17.4	26.6	32.3	22.7
Jones	2.1	10.0	7.5	24.3	12.7
Lamar	2.5	17.8	13.2	27.5	22.2
Lawrence	2.1	15.1	13.6	22.2	19.8
Marion	2.1	11.6	9.9	15.9	13.4
Pearl River	2.1	11.5	12.1	16.4	14.7
Perry	1.8	10.2	11.8	13.5	11.8
Stone	2.1	10.5	11.0	18.0	12.9
Walthall	2.8	22.3	19.4	37.4	24.8
Wayne	1.6	10.9	8.7	12.7	13.3
All counties	0.6	3.5	3.2	5.6	4.4

[1] By random-sampling formula.

unless a 1 in 20 chance of a random event has occurred.

Sampling errors for sub-groups of counties in the unit may be estimated by the following:

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

where:

SE	=	standard error of estimate (expressed as a percent)
X	=	variable of interest (area or volume)
g	=	group of counties to be combined
t	=	total for the unit

For comparative purposes, the 1977 survey data, collected from the last complete forest survey of Mississippi, was reprocessed according to current procedures. These procedures included the use of the same methods for estimating growth and removals. Thus, differences between the 1977 and 1987 data should reflect resource changes and not data processing differences. The results from the reprocessed 1977 survey data were used for comparison to the 1987 data in the Highlights that follow.

HIGHLIGHTS

Timberland Area

The total timberland in Mississippi's South Unit is 4,329.0 thousand acres, which is about the same as the 4,320.7 thousand acres recorded in 1977. The unit is 71 percent forested.

Changes in ownership of timberland are notable only for other public lands and forest industry. Other public lands have increased from 98.0 thousand acres in 1977 to 188.5 thousand acres in 1987. Forest industry decreased by 10 percent, or 114.0 thousand acres. Other private timberland, which showed a 1 percent increase, accounts for 59 percent of total timberland; forest industry, including land under long-term lease, accounts for 25 percent; and all publicly owned timberland, including 535.7 thousand acres of National Forests, accounts for 17 percent.

Changes in forest types have occurred since the 1977 survey. Pine forest types have decreased overall by 9 percent, but virtually all of this decrease is accounted for by the change in the longleaf-slash pine type which decreased from 1,005.4 thousand acres to 819.2 thousand acres. The loblolly-shortleaf pine forest type increased slightly (by 12.6 thousand acres) to 865.3 thousand acres. A small increase of 5 percent occurred for the oak-pine type which now covers 1,099.1 thousand acres. The largest change was the 24 percent increase in the oak-hickory type, from 661.9 thousand acres in 1977 to 818.1 thousand acres in 1987. The area of oak-gum-cypress forest type decreased 4 percent, from 748.9 thousand acres to 721.8 thousand acres.

The forests in South Mississippi are shifting from sapling-seedling stands to poletimber and sawtimber stands, but changes are small. Sapling-seedling stands now cover 1,550.9 thousand acres, a 5 percent decrease from 1,637.0 thousand acres in 1977. Both poletimber and sawtimber stands have increased in the past 10 years, by 4 percent and 6 percent respectively. Sawtimber stands, covering 1,644.7 thousand acres, now account for 38 percent of timberland area.

The slight decrease in sapling-seedling stands occurred in spite of a large increase in plantation area. Planted stands increased 347.2 thousand acres, from 690.7 thousand acres in 1977 to 1,037.9 thousand acres currently. Planted stands now account for 24 percent of timberland area.

Number of Trees

Changes in numbers of trees generally reflect a trend towards more large sawtimber trees, and this trend is evident for both live and growing-stock softwood trees. The number of sapling-size softwood live trees has decreased by 3 percent since 1977; sapling-size softwood growing-stock trees decreased

by 9 percent. Decreases are evident for softwood trees up through the 12-inch diameter-at-breast-height (dbh) class; the number of trees in the 14-inch and larger classes has increased since the previous survey.

While the number of live hardwood trees has increased for most dbh classes, the number of hardwood growing-stock trees has decreased in all dbh classes below the 8-inch class. The decrease in hardwood growing-stock trees is especially evident in sapling-size trees where there was a 55 percent decrease. The number of hardwood growing-stock trees increased in the 8-inch and larger dbh classes.

Timber Volume

Softwood volumes have increased slightly from 1977 to 1987, with growing-stock volume increasing somewhat less than in the previous survey period. The current survey shows an increase of 2 percent in softwood growing-stock volume since 1977, which compares to the 10 percent increase which occurred from 1967 to 1977. Softwood sawtimber increased 6 percent in the current survey, and also 6 percent in the previous period. Softwood growing-stock volume is now 2,442.7 million cubic feet, and sawtimber volume is 9,679.0 million board feet.

Hardwood volumes, however, have increased more in the current survey than in the previous period. Hardwood growing-stock volume has increased 25 percent since 1977, from 1,283.0 million cubic feet to 1,600.2 million cubic feet. Hardwood sawtimber volume has similarly increased 27 percent, from 3,536.8 million board feet in 1977 to 4,498.1 million board feet in 1987. For the previous survey period –1967 to 1977– hardwood growing stock increased only 7 percent and sawtimber only 3 percent.

The volume of cull trees has increased by 32.7 million cubic feet since 1977; most of this 6 percent increase is due to softwood trees. Softwood cull volume has increased 37 percent to 78.3 million cubic feet. Hardwood cull volume has increased only 2 percent to 487.0 million cubic feet.

Growth, Removals, and Mortality

Although total net annual growth has increased slightly by 3 percent, softwood and hardwood trends are different. Growth is calculated as an annual average for the inter-survey period; removals and mortality are similarly calculated. Average net annual growth of softwood growing stock is 143.2 million cubic feet. This is a decrease of 8 percent from the 1977 estimate of 155.0 million cubic feet. Average net annual growth on hardwood growing stock is currently at 63.8 million cubic feet, up 39 percent from the 1977 estimate of 45.8 million cubic feet.

Removals have increased 16 percent since 1977, with softwoods and hardwoods showing increases. Softwood removals from growing stock are up 12 percent, from the 1977 estimate of 127.6 million cubic feet to the current estimate of 142.7 million cubic feet. Softwood removals are now about equal to net growth. Hardwood growing-stock removals are up 34 percent, from 26.2 million cubic feet to 35.1 million cubic feet.

There has been virtually no change in mortality since the previous survey. The 1987 survey shows 40.9 million cubic feet of annual mortality, while the 1977 survey shows 41.5 million cubic feet. Although the current survey shows a 4 percent decrease in mortality for softwoods and a 4 percent increase in mortality for hardwoods, such small changes are not statistically significant. Softwood mortality now accounts for 63 percent of total mortality in the South Mississippi unit.

Tables 1–25 were developed to provide compatibility among Forest Inventory and Analysis Projects. Tables 26–36 are supplementary tables and may change from unit to unit or state to state to address specific resource issues.

DEFINITION OF TERMS

Average net annual growth.—Average net annual volume increase for the inter-survey period.

Average annual mortality.—Average annual sound-wood volume of growing-stock trees dying from natural causes.

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

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

Growing-stock trees.—Live trees of commercial species. Rough and rotten trees are excluded.

Growing-stock volume.—The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

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

Poletimber trees.—Growing-stock trees of commercial species at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

Rotten trees.—Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of rot.

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

Rough trees.—Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of roughness or poor form. Also included are all live trees of noncommercial species.

Sawtimber trees.—Live trees that are of commercial species, contain at least a 12-foot saw log, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume.—Sound-wood volume of the saw-log portion of live sawtimber trees in board feet, International 1/4-inch rule and in cubic feet.

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

Stand-size class.—A classification of forest land based on the size class of growing-stock trees on the sampled area; that is, sawtimber, poletimber, or sapling and seedling.

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

Tree grade.—A classification of the volume of the saw-log portion of sawtimber trees, based on the log grade of the butt log.

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

Table 1–*Area by county and land class, South Mississippi, 1987*

County	All land[1]	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
Covington	266.5	160.6	160.6	...	...	105.9
Forrest	300.0	218.3	218.3	...	...	81.7
George	309.0	222.6	222.6	...	...	86.4
Greene	459.4	383.8	382.9	...	0.9	75.6
Hancock	306.0	200.4	200.4	...	...	105.5
Harrison	371.6	253.5	253.5	...	...	118.1
Jackson	468.1	336.9	336.9	...	...	131.2
Jefferson Davis	261.6	143.1	143.1	...	...	118.5
Jones	445.1	295.5	295.5	...	...	149.6
Lamar	319.5	222.7	222.7	...	...	96.8
Lawrence	278.3	203.3	203.3	...	...	75.0
Marion	350.7	211.4	211.4	...	...	139.3
Pearl River	523.8	340.1	340.1	...	...	183.6
Perry	416.4	356.0	351.5	...	4.6	60.3
Stone	285.3	228.4	228.4	...	...	56.9
Walthall	258.8	129.3	129.3	...	...	129.5
Wayne	520.2	428.4	428.4	...	...	91.8
All counties	6140.3	4334.5	4329.0	...	5.5	1805.9

[1] From U.S. Bureau of the Census.

[2] Forest land (formerly termed commercial forest land) that is producing or capable of producing at least 20 cubic feet of industrial wood per acre per year. Includes areas which may be inaccessible or inoperable by current standards. Excludes reserved timberlands.

[3] Forest land incapable of producing 20 cubic feet of industrial wood per acre per year under natural conditions because of adverse site condition.

Table 2—*Area of timberland by county and ownership class, South Mississippi, 1987*

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry[1]	Farmer	Corporate[2]	Individual[2]
	Thousand acres								
Covington	160.6	...	...	...	...	27.9	34.9	...	97.7
Forrest	218.3	44.6	...	...	9.9	19.8	9.9	24.8	109.1
George	222.6	12.4	...	43.3	...	61.8	43.3	30.9	30.9
Greene	382.9	35.3	...	10.1	...	131.0	80.6	...	125.9
Hancock	200.4	...	11.5	...	...	57.3	5.7	5.7	120.3
Harrison	253.5	55.8	...	5.1	15.2	71.0	10.1	15.2	81.1
Jackson	336.9	28.6	22.8	34.3	...	85.7	11.4	34.3	119.9
Jefferson Davis	143.1	...	...	...	...	49.5	88.1	...	5.5
Jones	295.5	46.0	...	...	...	32.8	39.4	39.4	137.9
Lamar	222.7	...	...	...	...	74.2	68.5	5.7	74.2
Lawrence	203.3	...	...	...	...	41.9	131.6	12.0	17.9
Marion	211.4	...	...	11.1	...	38.9	77.9	27.8	55.6
Pearl River	340.1	...	6.2	...	6.2	92.8	68.0	6.2	160.8
Perry	351.5	151.5	...	...	...	78.8	30.3	6.1	84.8
Stone	228.4	56.0	...	12.9	...	64.6	21.5	4.3	68.9
Walthall	129.3	...	...	...	...	6.2	30.8	...	92.4
Wayne	428.4	105.6	...	...	...	129.1	17.6	...	176.1
All counties	4329.0	535.7	40.5	116.7	31.3	1063.3	769.7	212.4	1559.3

[1] Includes land leased to forest industry.

[2] Indian land 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, 1987*

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				
	Thousand acres								
Covington	160.6	...	...	7.0	14.0	41.9	48.9	48.9	...
Forrest	218.3	14.9	19.8	19.8	29.8	74.4	29.8	29.8	...
George	222.6	24.7	6.2	12.4	30.9	49.5	49.5	49.5	...
Greene	382.9	70.5	15.1	30.2	25.2	110.8	70.5	60.5	...
Hancock	200.4	22.9	45.8	11.5	22.9	40.1	11.5	45.8	...
Harrison	253.5	10.1	91.3	10.1	5.1	81.1	15.2	40.6	...
Jackson	336.9	5.7	85.7	11.4	...	85.7	62.8	85.7	...
Jefferson Davis	143.1	...	...	22.0	27.5	22.0	55.0	11.0	5.5
Jones	295.5	13.1	19.7	6.6	59.1	85.4	72.2	39.4	...
Lamar	222.7	22.8	40.0	40.0	17.1	45.7	28.5	28.5	...
Lawrence	203.3	...	6.0	12.0	53.8	65.8	23.9	41.9	...
Marion	211.4	5.6	5.6	...	44.5	72.3	44.5	38.9	...
Pearl River	340.1	61.8	37.1	30.9	30.9	55.7	68.0	55.7	...
Perry	351.5	30.3	48.5	42.4	42.4	78.8	72.7	36.4	...
Stone	228.4	17.2	51.7	34.5	17.2	60.3	21.5	25.9	...
Walthall	129.3	...	...	6.2	24.6	12.3	55.4	30.8	...
Wayne	428.4	23.5	23.5	35.2	88.0	117.4	88.0	52.8	...
All counties	4329.0	323.3	495.9	332.1	533.1	1099.1	818.1	721.8	5.5

Table 4—*Area of timberland by county and stand-size class, South Mississippi, 1987*

County	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked[1] areas
	Thousand acres				
Covington	160.6	48.9	20.9	90.7	...
Forrest	218.3	94.3	54.6	69.5	...
George	222.6	68.0	74.2	74.2	6.2
Greene	382.9	151.1	146.1	85.6	...
Hancock	200.4	51.5	80.2	68.7	...
Harrison	253.5	91.3	45.6	111.6	5.1
Jackson	336.9	119.9	74.2	137.0	5.7
Jefferson Davis	143.1	27.5	44.0	66.1	5.5
Jones	295.5	190.4	46.0	59.1	...
Lamar	222.7	68.5	57.1	97.1	...
Lawrence	203.3	83.7	47.8	65.8	6.0
Marion	211.4	105.7	44.5	61.2	...
Pearl River	340.1	99.0	92.8	148.4	...
Perry	351.5	133.3	84.8	127.3	6.1
Stone	228.4	86.2	56.0	86.2	...
Walthall	129.3	49.3	18.5	61.6	...
Wayne	428.4	176.1	111.5	140.8	...
All counties	4329.0	1644.7	1098.9	1550.9	34.5

[1] Timberland less than 16.7 percent stocked.

Table 5—*Area of timberland by county and site class, South Mississippi, 1987*

County	All classes	Site class (cubic feet/acre/year)				
		>165	120-165	85-120	50-85	<50
	Thousand acres					
Covington	160.6	27.9	83.8	48.9	...	...
Forrest	218.3	59.5	39.7	79.4	39.7	...
George	222.6	6.2	43.3	98.9	74.2	...
Greene	382.9	45.3	90.7	191.4	55.4	...
Hancock	200.4	...	11.5	85.9	97.4	5.7
Harrison	253.5	5.1	40.6	126.8	60.8	20.3
Jackson	336.9	5.7	28.6	85.7	177.0	40.0
Jefferson Davis	143.1	5.5	22.0	77.1	38.5	...
Jones	295.5	85.4	131.3	78.8	...	...
Lamar	222.7	17.1	51.4	102.8	51.4	...
Lawrence	203.3	35.9	83.7	77.7	6.0	...
Marion	211.4	16.7	72.3	94.6	27.8	...
Pearl River	340.1	12.4	86.6	92.8	123.7	24.7
Perry	351.5	54.5	103.0	151.5	42.4	...
Stone	228.4	30.2	64.6	94.8	38.8	...
Walthall	129.3	...	30.8	92.4	6.2	...
Wayne	428.4	46.9	129.1	193.7	52.8	5.9
All counties	4329.0	454.4	1112.9	1773.0	892.1	96.6

Table 6—*Area of timberland by county and stocking classes of growing-stock trees, South Mississippi, 1987*

County	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
Covington	160.6	7.0	20.9	62.8	69.8	...
Forrest	218.3	5.0	29.8	143.9	39.7	...
George	222.6	...	12.4	154.6	49.5	6.2
Greene	382.9	5.0	65.5	216.6	95.7	...
Hancock	200.4	...	51.5	74.5	74.5	...
Harrison	253.5	5.1	15.2	187.6	40.6	5.1
Jackson	336.9	17.1	74.2	148.5	91.4	5.7
Jefferson Davis	143.1	16.5	22.0	60.5	38.5	5.5
Jones	295.5	13.1	52.5	170.7	59.1	...
Lamar	222.7	...	40.0	131.3	51.4	...
Lawrence	203.3	...	53.8	107.6	35.9	6.0
Marion	211.4	...	38.9	139.1	33.4	...
Pearl River	340.1	12.4	30.9	235.0	61.8	...
Perry	351.5	12.1	72.7	224.2	36.4	6.1
Stone	228.4	17.2	47.4	120.7	43.1	...
Walthall	129.3	...	18.5	37.0	73.9	...
Wayne	428.4	11.7	88.0	258.2	70.4	...
All counties	4329.0	122.3	734.4	2472.8	965.0	34.5

Table 7—*Area of timberland by forest type and ownership class, South Mississippi, 1987*

Forest type[1]	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Longleaf-slash pine	819.2	186.5	47.1	244.8	4.3	336.5
Loblolly-shortleaf pine	865.3	61.6	23.7	300.2	10.5	469.3
Softwood total	1684.4	248.1	70.8	544.9	14.8	805.8
Oak-pine	1099.1	188.2	57.8	196.1	4.3	652.7
Oak-hickory	818.1	63.8	24.3	147.1	...	582.9
Oak-gum-cypress	721.8	35.5	35.7	156.1	...	494.5
Elm-ash-cottonwood	5.5	...	...	...	...	5.5
Hardwood total	2644.5	287.6	117.8	499.3	4.3	1735.5
All types	4329.0	535.7	188.5	1044.2	19.1	2541.3

[1] Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.

Table 8—*Area of timberland by ownership and stocking classes of growing-stock trees, South Mississippi, 1987*

Ownership class	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
National forest	535.7	12.4	104.4	345.0	67.8	6.1
Other public	188.5	5.7	22.0	97.7	63.2	...
Forest industry	1044.2	81.7	263.8	548.6	144.3	5.7
Forest industry-leased	19.1	...	4.3	14.8	...	...
Other private	2541.3	22.4	339.8	1466.7	689.6	22.7
All ownerships	4329.0	122.3	734.4	2472.8	965.0	34.5

Table 9—*Area of timberland by forest type and stand-size class, South Mississippi, 1987*

Forest type[1]	All classes	Stand-size class			Nonstocked[2] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Longleaf-slash pine	819.2	324.8	204.1	284.2	6.1
Loblolly-shortleaf pine	865.3	326.9	243.1	295.3	...
Softwood total	1684.4	651.7	447.2	579.5	6.1
Oak-pine	1099.1	427.8	256.0	415.3	...
Oak-hickory	818.1	190.9	163.4	457.6	6.2
Oak-gum-cypress	721.8	374.3	232.4	98.4	16.8
Elm-ash-cottonwood	5.5	...	...	...	5.5
Hardwood total	2644.5	993.0	651.7	971.4	28.4
All types	4329.0	1644.7	1098.9	1550.9	34.5

[1] Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood type.

[2] Timberland less than 16.7 percent stocked.

Table 10–*Number of live trees on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Thousand trees												
Longleaf-slash pines	335511	125077	88681	54191	28722	16689	10830	6136	3223	1406	409	146	...
Shortleaf-loblolly pine	431259	194998	120784	47298	30522	14820	10033	6045	3589	1673	732	746	19
Other yellow pines	4607	1092	567	771	648	448	452	216	104	115	112	82	...
Cypress	33880	17733	11351	2679	1160	298	271	82	96	94	43	72	...
Other softwoods	1851	1659	...	...	112	...	60	19	...	...	...	...	...
Total softwoods	807108	340559	221383	104940	61164	32255	21648	12499	7012	3288	1297	1046	19
Select white oaks	33690	19829	5745	3235	1448	965	796	610	338	287	169	249	20
Select red oaks	4103	1558	1512	86	344	87	102	97	80	51	50	109	27
Other white oaks	66990	44119	10414	5483	2955	1665	924	675	437	93	126	89	9
Other red oaks	338334	241615	46058	20807	10733	7530	4485	2738	1544	1170	598	918	137
Hickory	28435	21721	1574	2009	942	689	498	452	243	133	115	53	8
Hard maple	93	...	...	93	...	...	...	...	...	...	...	...	...
Soft maple	201902	163877	21567	10355	3678	1233	606	306	116	98	53	13	...
Beech	2972	1615	548	...	65	158	145	66	110	85	79	88	13
Sweetgum	170968	118096	29087	11415	6051	3076	1252	741	506	321	172	226	25
Tupelo-blackgum	273628	166458	52443	22334	12950	7600	4783	3762	1681	917	311	339	50
Ash	17121	10441	3790	1827	397	279	108	83	118	11	39	27	...
Yellow-poplar	40961	23735	6290	3348	2530	1576	1550	916	478	269	93	155	21
Black walnut	82	...	...	...	82	...	...	...	...	...	...	...	...
Other hardwoods	487356	352027	81682	27944	12548	5814	3450	1638	1272	462	339	167	13
Total hardwoods	1666634	1165090	260711	108935	54723	30671	18699	12083	6924	3897	2144	2434	324
Noncommercial	236038	196705	20564	12492	4072	1820	177	100	64	14	19	8	3
All species	2709781	1702354	502658	226367	119959	64746	40523	24681	14000	7199	3460	3488	346

Table 11—*Number of growing-stock trees on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Thousand trees												
Longleaf-slash pines	297886	105307	75913	51113	27912	15886	10689	5960	3213	1383	372	139	...
Shortleaf-loblolly pine	352357	146988	98362	42559	28647	13946	9512	5864	3438	1620	680	722	19
Other yellow pines	3861	567	567	608	590	448	452	216	104	115	112	82	...
Cypress	28929	15112	9374	2539	1106	219	228	82	81	83	32	72	...
Other softwoods	1818	1659	...	...	112	...	27	19	...	...	...	...	...
Total softwoods	684850	269633	184216	96819	58367	30498	20909	12141	6836	3200	1196	1015	19
Select white oaks	14934	5787	2590	2646	1076	840	685	542	183	252	130	186	17
Select red oaks	2382	...	1512	...	344	87	76	97	65	51	50	81	20
Other white oaks	25791	9825	6049	4377	2626	1397	566	462	250	64	82	82	9
Other red oaks	141068	75173	26134	15776	9198	6586	2983	2092	1236	763	488	576	62
Hickory	10877	5319	1574	1368	870	646	353	364	209	109	22	39	4
Hard maple	93	...	...	93	...	...	...	...	...	...	...	...	...
Soft maple	47005	28953	9482	5430	1846	710	336	137	36	54	20	...	...
Beech	430	...	...	...	65	113	58	24	80	13	41	33	4
Sweetgum	76717	41718	15564	8764	5417	2683	887	612	473	256	151	178	16
Tupelo-blackgum	109536	38938	28365	15995	10848	6574	3391	3085	1284	722	193	135	7
Ash	6815	3121	1571	1283	329	201	77	64	101	11	29	27	...
Yellow-poplar	27177	13388	4944	2547	2323	1337	1117	791	316	220	61	128	5
Black walnut	82	...	...	...	82	...	...	...	...	...	...	...	...
Other hardwoods	144224	93003	21192	14449	8267	3729	1953	727	526	189	119	67	4
Total hardwoods	607133	315226	118977	72729	43293	24902	12482	8996	4759	2703	1386	1531	148
All species	1291983	584859	303193	169548	101660	55400	33391	21137	11595	5903	2582	2546	167

Table 12—*Volume of growing stock on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Million cubic feet										
Longleaf-slash pines	1177.5	128.7	180.1	206.8	229.3	186.6	135.5	73.9	24.4	12.2	...
Shortleaf-loblolly pine	1179.1	105.8	182.9	175.3	191.8	171.3	141.2	85.8	46.6	75.0	3.4
Other yellow pines	52.9	2.0	3.8	5.8	8.1	5.9	4.9	6.9	7.5	7.9	...
Cypress	31.7	4.8	6.0	2.1	3.0	1.6	2.5	4.0	1.4	6.2	...
Other softwoods	1.5	...	0.6	...	0.4	0.5	...	...	...	...	...
Total softwoods	2442.7	241.4	373.4	390.0	432.8	365.9	284.1	170.6	79.9	101.3	3.4
Select white oaks	88.9	7.3	6.0	9.7	12.1	13.5	6.4	10.7	6.8	13.4	3.0
Select red oaks	26.5	...	1.6	0.8	1.5	2.8	2.3	2.8	3.0	7.8	4.0
Other white oaks	72.5	9.3	12.9	11.8	8.9	9.5	6.7	2.3	4.0	5.6	1.6
Other red oaks	405.9	42.5	53.7	64.5	48.9	49.2	39.2	31.5	26.2	42.5	7.9
Hickory	41.7	2.4	3.9	5.7	5.4	8.2	7.5	4.3	1.3	2.8	0.2
Hard maple	0.4	0.4	...	...	...	...	...	...	...	...	...
Soft maple	42.7	14.4	10.4	6.2	5.4	2.7	0.8	2.0	0.8	...	...
Beech	10.8	...	0.4	1.4	0.6	0.4	2.6	0.6	1.9	2.6	0.5
Sweetgum	173.1	20.3	31.9	28.9	16.4	16.7	17.5	12.5	10.0	16.3	2.5
Tupelo-blackgum	395.9	37.2	62.1	70.2	57.6	74.7	43.2	31.1	10.3	8.7	0.7
Ash	18.6	3.6	2.1	2.3	1.4	1.5	3.5	0.5	1.8	2.0	...
Yellow-poplar	109.6	7.5	14.4	14.4	19.0	19.7	11.4	9.7	3.3	9.3	0.8
Black walnut	0.2	...	0.2	...	...	...	...	...	...	...	...
Other hardwoods	213.4	39.0	50.9	39.6	32.8	16.8	16.7	7.1	5.8	4.4	0.3
Total hardwoods	1600.2	183.8	250.6	255.3	209.9	215.7	157.7	115.2	75.1	115.5	21.4
All species	4042.9	425.2	624.0	645.4	642.7	581.6	441.8	285.8	155.0	216.7	24.8

Table 13– *Volume of growing stock in the saw-log portion of sawtimber[1] trees on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Million cubic feet								
Longleaf-slash pines	754.3	161.4	202.7	169.5	121.8	65.7	22.3	11.0	...
Shortleaf-loblolly pine	780.7	140.9	169.5	153.8	127.2	76.5	42.4	67.4	3.0
Other yellow pines	42.5	5.0	7.1	5.3	4.6	6.4	6.6	7.6	...
Cypress	19.0	1.7	2.4	1.5	2.3	3.9	1.3	6.1	...
Other softwoods	0.8	...	0.4	0.4	...	...	...	...	...
Total softwoods	1597.3	309.0	382.0	330.5	255.9	152.4	72.5	92.0	3.0
Select white oaks	55.5	...	9.0	11.3	5.5	9.4	5.8	12.1	2.5
Select red oaks	22.3	...	1.1	2.5	2.2	2.5	2.8	7.3	3.9
Other white oaks	32.9	...	7.0	8.0	6.0	1.9	3.4	4.9	1.6
Other red oaks	208.0	...	35.1	41.3	34.8	27.5	23.7	38.3	7.3
Hickory	24.5	...	4.0	6.9	6.0	3.7	1.1	2.6	0.2
Soft maple	9.5	...	4.0	2.4	0.7	1.6	0.8	...	...
Beech	8.0	...	0.6	0.3	2.0	0.6	1.6	2.5	0.5
Sweetgum	77.8	...	11.1	14.1	15.2	11.4	8.8	15.1	2.1
Tupelo-blackgum	193.8	...	43.1	64.2	39.7	28.2	9.9	8.2	0.6
Ash	9.2	...	1.2	1.0	3.2	0.5	1.6	1.7	...
Yellow-poplar	60.6	...	13.3	16.8	10.1	8.8	2.9	8.1	0.7
Other hardwoods	69.0	...	24.3	14.0	14.4	6.6	5.4	4.0	0.3
Total hardwoods	771.0	...	153.7	182.7	139.6	102.7	67.7	104.9	19.6
All species	2368.3	309.0	535.8	513.2	395.5	255.1	140.2	196.9	22.6

[1] That part of the bole of sawtimber trees between the 1-foot stump and the saw-log top, including the portion of the forks large enough to contain a saw log.

Table 14–*Volume of sawtimber on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Million board feet								
Longleaf-slash pines	4548.0	866.8	1198.7	1056.8	783.3	424.3	144.8	73.3	...
Shortleaf-loblolly pine	4763.5	759.7	992.2	940.0	808.3	497.7	282.1	462.5	20.9
Other yellow pines	261.5	27.7	39.1	30.7	29.7	41.0	43.6	49.8	...
Cypress	101.8	8.2	11.2	7.9	12.0	22.0	6.9	33.7	...
Other softwoods	4.2	...	1.8	2.3	...	...	...	...	...
Total softwoods	9679.0	1662.4	2243.0	2037.7	1633.3	984.9	477.3	619.4	20.9
Select white oaks	343.2	...	49.4	65.3	31.2	61.3	37.8	80.2	18.1
Select red oaks	141.3	...	6.5	13.4	13.6	15.7	17.8	48.6	25.8
Other white oaks	197.2	...	38.5	46.1	37.4	12.1	20.9	32.4	10.0
Other red oaks	1235.2	...	189.9	236.8	205.1	165.5	148.0	241.1	48.8
Hickory	153.2	...	22.2	41.8	37.5	24.5	7.1	18.2	1.9
Soft maple	53.3	...	21.7	13.2	4.2	9.9	4.3	...	...
Beech	53.4	...	3.2	1.8	13.0	3.9	10.3	18.1	3.2
Sweetgum	466.8	...	61.3	81.3	92.1	70.1	54.7	93.6	13.6
Tupelo-blackgum	1050.6	...	221.5	341.6	221.4	160.2	55.2	47.4	3.2
Ash	55.2	...	6.3	5.6	19.7	3.3	10.6	9.7	...
Yellow-poplar	348.2	...	72.2	95.5	57.8	52.2	17.6	48.5	4.4
Other hardwoods	400.5	...	134.7	81.0	83.9	40.3	32.4	25.5	2.5
Total hardwoods	4498.1	...	827.4	1023.5	816.8	619.0	416.6	663.2	131.5
All species	14177.0	1662.4	3070.4	3061.2	2450.1	1604.0	893.9	1282.6	152.4

Table 15–*Volume of growing stock and sawtimber on timberland by county and species group, South Mississippi, 1987*

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
	All species	Pine		Other	Soft[1]	Hard[2]	All species	Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						*Million board feet*					
Covington	149.8	0.5	39.4	3.2	43.6	63.2	598.4	2.4	196.9	13.4	138.0	247.7
Forrest	232.7	37.9	125.8	...	35.8	33.2	820.0	144.8	477.6	...	92.3	105.4
George	191.2	23.8	71.4	6.4	56.7	32.9	593.2	22.6	267.9	33.0	153.4	116.3
Greene	384.9	97.1	138.8	0.3	61.0	87.8	1216.5	232.5	619.7	...	118.0	246.3
Hancock	134.9	29.1	67.0	3.2	25.2	10.5	397.8	76.2	223.7	2.4	69.3	26.2
Harrison	203.4	4.5	153.9	2.6	31.6	10.7	703.9	6.9	604.4	6.0	61.7	24.9
Jackson	311.6	12.0	117.7	14.0	128.4	39.5	972.5	27.6	458.2	37.3	307.3	142.2
Jefferson Davis	88.2	2.1	45.8	...	25.2	15.1	295.4	...	180.6	...	75.1	39.8
Jones	356.3	21.3	210.1	...	53.3	71.6	1369.0	92.1	920.1	...	138.5	218.3
Lamar	179.8	32.3	75.6	...	52.8	19.2	534.5	43.3	306.1	...	141.5	43.6
Lawrence	230.3	0.3	132.3	...	34.2	63.5	915.4	...	563.1	...	88.2	264.1
Marion	244.4	2.3	132.7	...	45.4	64.0	900.5	...	582.0	...	109.5	209.1
Pearl River	236.6	51.8	83.2	...	68.4	33.2	739.6	104.9	355.2	...	189.9	89.6
Perry	388.6	55.0	207.2	0.9	75.4	50.1	1432.0	116.5	1009.0	6.0	215.6	84.9
Stone	205.8	30.5	120.3	1.3	34.9	18.9	758.9	81.8	575.1	0.8	44.5	56.7
Walthall	97.4	...	31.3	0.9	45.1	20.2	368.1	...	143.8	5.2	149.6	69.5
Wayne	406.8	36.7	219.9	0.4	63.7	86.1	1561.3	174.1	964.1	1.8	162.3	258.8
All counties	4042.9	437.2	1972.3	33.2	880.5	719.7	14177.0	1125.6	8447.4	106.0	2254.6	2243.5

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 16—*Volume of timber on timberland by class of timber and species group, South Mississippi, 1987*

Class of timber	All species	Softwood			Hardwood	
		Pine				
		Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet					
Sawtimber trees:						
Saw-log portion	2368.3	193.8	1383.7	19.8	399.0	372.0
Upper-stem portion	370.1	34.6	194.1	2.0	74.0	65.5
Total	2738.4	228.4	1577.8	21.8	473.0	437.4
Poletimber trees	1304.5	208.7	394.6	11.4	407.5	282.3
All growing-stock trees	4042.9	437.2	1972.3	33.2	880.5	719.7
Rough trees:						
Sawtimber size	281.6	3.9	43.2	1.3	110.9	122.2
Poletimber size	221.9	10.4	17.0	0.3	78.5	115.7
Total	503.4	14.3	60.3	1.5	189.4	237.9
Rotten trees:						
Sawtimber size	57.9	...	0.9	1.3	35.6	20.1
Poletimber size	4.1	...	...	...	3.2	1.0
Total	62.0	...	0.9	1.3	38.7	21.0
Salvable dead trees:						
Sawtimber size	27.9	1.7	20.0	0.3	2.5	3.5
Poletimber size	12.9	2.1	7.7	...	0.6	2.5
Total	40.8	3.8	27.6	0.3	3.1	6.0
All classes	4649.1	455.2	2061.2	36.4	1111.7	984.7

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, 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, 1987*

Ownership class	Live trees						Growing stock					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft[1]	Hard[2]	All species	Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet											
National forest	776.2	68.1	463.2	2.2	126.4	116.3	715.1	68.1	456.2	1.6	103.1	86.1
Other public	221.7	6.4	104.8	10.2	54.6	45.6	196.2	6.4	103.5	9.9	41.9	34.4
Forest industry	945.1	252.6	267.6	6.6	243.2	175.1	834.8	242.7	258.0	6.1	195.0	133.0
Forest industry-leased	25.4	2.0	17.2	...	5.5	0.8	22.7	1.6	16.1	...	4.7	0.3
Other private	2639.8	122.3	1180.7	17.1	678.9	640.9	2274.0	118.4	1138.5	15.6	535.7	465.9
All ownerships	4608.3	451.5	2033.5	36.1	1108.6	978.7	4042.9	437.2	1972.3	33.2	880.5	719.7

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, 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, 1987*

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft[1]	Hard[2]	All species	Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet						*Million board feet*					
Covington	5.3	...	2.1	0.1	1.3	1.8	19.1	...	11.3	0.4	2.8	4.6
Forrest	12.1	1.7	7.2	...	1.5	1.7	49.7	5.0	34.6	...	3.3	6.9
George	8.6	2.9	3.5	...	1.6	0.6	24.2	2.6	15.1	...	6.0	0.4
Greene	20.2	3.8	8.9	...	2.4	5.0	74.9	12.8	43.8	0.1	3.9	14.6
Hancock	6.9	1.2	4.7	0.1	0.5	0.4	26.6	3.7	20.2	...	1.5	1.1
Harrison	8.9	2.1	4.8	0.1	1.3	0.5	30.0	5.3	21.2	0.5	1.9	1.1
Jackson	7.9	0.8	4.3	0.2	1.7	0.9	31.2	1.6	22.4	0.1	3.9	3.4
Jefferson Davis	7.6	2.6	3.9	...	0.9	0.2	30.6	14.8	9.8	...	3.9	2.1
Jones	16.6	1.0	8.8	...	2.8	4.0	65.1	2.1	46.1	...	6.6	10.3
Lamar	11.4	2.2	6.0	...	2.1	1.1	33.4	2.0	23.1	...	6.5	1.8
Lawrence	13.7	0.9	8.9	...	0.9	3.0	62.1	4.3	41.6	...	2.3	13.9
Marion	14.4	2.0	7.2	...	1.9	3.2	56.5	7.1	33.6	...	3.2	12.6
Pearl River	17.0	5.1	6.3	...	3.0	2.6	55.3	12.1	26.0	...	9.9	7.3
Perry	19.4	5.6	8.3	...	2.7	2.7	70.3	15.1	42.1	...	7.5	5.7
Stone	9.4	1.5	5.8	0.1	1.5	0.7	35.0	3.9	26.0	...	1.7	3.4
Walthall	6.6	...	3.9	...	1.7	1.0	26.0	...	14.9	...	5.8	5.3
Wayne	21.1	2.0	12.5	...	2.9	3.6	88.4	4.3	62.4	...	6.3	15.3
All counties	207.0	35.4	107.3	0.5	30.8	33.0	778.5	96.7	494.2	0.8	77.0	109.8

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, 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, 1987*

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft[1]	Hard[2]	All species	Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet						*Million board feet*					
Covington	9.8	...	5.3	...	1.6	3.0	33.8	...	21.9	...	4.2	7.7
Forrest	6.2	0.4	5.7	...	...	0.1	27.3	1.0	26.3	...	...	...
George	15.0	1.9	11.2	1.2	0.2	0.5	55.4	2.8	46.4	5.0	0.6	0.4
Greene	11.7	1.2	8.0	...	1.4	1.0	43.5	2.3	32.8	...	4.7	3.7
Hancock	2.1	0.3	1.7	...	0.1	...	6.2	0.6	5.6	...	...	...
Harrison	6.3	1.2	5.0	...	0.1	...	24.1	3.0	20.9	...	0.2	...
Jackson	10.5	1.2	7.0	...	1.3	1.0	46.7	2.4	33.8	...	7.0	3.5
Jefferson Davis	8.6	2.2	6.0	...	0.2	0.2	19.4	2.4	16.4	...	0.3	0.3
Jones	17.8	0.7	12.5	...	2.7	1.9	86.4	3.1	69.5	...	8.2	5.6
Lamar	4.5	1.2	3.0	...	...	0.3	10.2	...	9.6	...	...	0.6
Lawrence	13.4	1.1	9.7	...	0.8	1.8	40.1	2.3	29.5	...	2.5	5.7
Marion	5.8	...	2.4	...	1.2	2.2	21.5	...	7.8	...	4.5	9.2
Pearl River	9.3	2.6	5.3	0.1	1.1	0.3	26.8	8.1	13.7	0.3	3.8	0.9
Perry	18.2	1.7	13.7	...	0.9	1.9	73.3	5.2	60.5	...	2.7	4.9
Stone	8.3	0.6	6.6	...	0.8	0.3	28.0	0.7	24.1	...	2.3	0.9
Walthall	7.4	...	6.4	...	0.2	0.7	28.3	...	24.2	...	0.4	3.7
Wayne	22.8	0.5	15.0	...	2.4	5.0	84.2	0.8	63.4	...	2.8	17.2
All counties	177.8	16.9	124.4	1.3	15.0	20.1	655.2	34.8	506.4	5.3	44.3	64.4

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, 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, 1987*

Species	Growth	Removals
	Million cubic feet	
Yellow pines	142.6	141.4
Other softwoods	0.5	1.3
Total softwoods	143.2	142.7
Select white-red oaks	5.7	4.2
Other white-red oaks	23.2	13.0
Hickory	1.2	1.5
Hard maple	...	...
Sweetgum	6.9	4.9
Ash-walnut-black cherry	1.0	0.4
Yellow-poplar	6.7	2.7
Other hardwoods	19.0	8.4
Total hardwoods	63.8	35.1
All species	207.0	177.8

Table 21—*Average net annual growth and average annual removals of sawtimber on timberland by species, South Mississippi, 1987*

Species	Growth	Removals
	Million board feet	
Yellow pines	590.9	541.2
Other softwoods	0.8	5.3
Total softwoods	591.7	546.6
Select white-red oaks	26.0	16.7
Other white-red oaks	75.9	41.4
Hickory	3.2	4.8
Sweetgum	14.1	11.7
Ash-walnut-black cherry	0.9	1.2
Yellow-poplar	23.8	11.5
Other hardwoods	43.0	21.4
Total hardwoods	186.8	108.7
All species	778.5	655.2

Table 22—*Average annual mortality of growing stock and sawtimber on timberland by species, South Mississippi, 1987*

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	25.0	83.8
Other softwoods	0.9	1.2
Total softwoods	25.9	84.9
Select white-red oaks	0.6	2.3
Other white-red oaks	5.3	14.7
Hickory	0.5	2.5
Sweetgum	2.4	7.0
Ash-walnut-black cherry	0.5	2.1
Yellow-poplar	0.3	1.2
Other hardwoods	5.3	13.0
Total hardwoods	15.0	42.8
All species	40.9	127.7

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

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft[1]	Hard[2]	All species	Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet											
National forest	27.7	4.1	16.0	...	4.0	3.7	18.9	0.2	16.6	...	0.8	1.4
Other public	5.4	0.2	3.7	0.2	0.7	0.7	4.3	0.1	3.5	0.1	0.4	0.3
Forest industry	55.2	20.5	21.8	0.2	6.7	6.0	64.1	14.4	39.5	...	4.5	5.6
Forest industry-leased	0.8	0.2	0.5	...	0.1	...	0.3	...	0.3	...	...	...
Other private	117.8	10.5	65.3	0.2	19.3	22.5	90.1	2.2	64.6	1.2	9.3	12.9
All ownerships	207.0	35.4	107.3	0.5	30.8	33.0	177.8	16.9	124.4	1.3	15.0	20.1

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood,aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, 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, South Mississippi, 1987*

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft[1]	Hard[2]	All species	Planted	Natural	Other	Soft[1]	Hard[2]
	Million board feet											
National forest	116.2	10.9	83.4	...	10.3	11.6	85.3	0.6	79.4	...	0.5	4.7
Other public	26.3	0.2	20.7	0.1	2.6	2.8	20.5	0.4	17.2	0.3	1.5	1.1
Forest industry	179.3	49.9	94.6	0.4	16.9	17.4	206.9	29.0	145.3	...	14.6	17.9
Forest industry-leased	1.7	...	1.6	...	0.1	...	...	...	...	...	...	...
Other private	455.0	35.7	293.8	0.3	47.2	78.0	342.5	4.8	264.4	5.0	27.7	40.6
All ownerships	778.5	96.7	494.2	0.8	77.0	109.8	655.2	34.8	506.4	5.3	44.3	64.4

[1] Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

[2] Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 25–*Volume of sawtimber on timberland by species and tree grade, South Mississippi, 1987*

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4
			Million board feet		
Yellow pines	9573.0	1635.9	1786.8	6150.3	...
Cypress	101.8	44.2	28.7	28.9	...
Redcedar	1.8	1.8	...	...	...
Other softwoods	2.3	2.3	...	...	...
Total softwoods	9679.0	1684.2	1815.5	6179.2	...
Select white-red oaks	484.6	67.5	77.1	185.6	154.4
Other white-red oaks	1432.4	21.1	67.2	255.2	1088.9
Hickory	153.2	3.9	24.4	76.2	48.7
Sweetgum	466.8	97.6	87.5	170.7	111.0
Tupelo and blackgum	1050.6	84.2	340.0	512.9	113.5
Ash-walnut-black cherry	60.0	16.3	18.2	20.0	5.6
Yellow-poplar	348.2	9.4	28.2	135.9	174.6
Other hardwoods	502.4	14.5	24.9	138.1	324.9
Total hardwoods	4498.1	314.4	667.6	1494.6	2021.5
All species	14177.0	1998.7	2483.1	7673.8	2021.5

Supplemental Tables 26–36

Table 26–*Area of timberland by stand age, forest type group and type of regeneration, South Mississippi, 1987*

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
			Thousand acres			
1-10	293.1	93.4	121.5	42.4	106.2	61.7
11-20	168.2	56.4	26.2	53.5	6.2	159.9
21-30	64.7	31.7	5.0	...	...	5.7
31-40	16.5	32.8	...	10.0	6.1	...
41-50	12.4	18.8	...	14.4	...	...
>50	...	20.4	5.0	5.9	...	...
Mixed	100.5	775.6	67.8	747.4	38.6	1161.0
Total	655.4	1029.0	225.4	873.7	157.1	1388.4

Table 27—*Volume of softwood growing stock on timberland by forest type, South Mississippi, 1987*

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	43.1	...	...	...	1.0	32.6	3.3	6.3
Forrest	163.7	16.8	43.9	8.5	34.2	53.6	1.9	4.7
George	101.6	21.2	3.4	...	39.3	16.6	11.1	10.0
Greene	236.2	58.2	26.1	33.0	31.8	71.8	6.3	9.0
Hancock	99.2	24.5	22.2	2.5	22.6	18.4	...	9.0
Harrison	161.0	1.4	89.0	3.1	...	54.9	2.7	9.9
Jackson	143.7	9.1	66.8	3.0	...	43.8	11.4	9.7
Jefferson Davis	47.9	...	...	2.1	33.8	6.5	5.0	0.6
Jones	231.4	20.5	38.0	0.8	74.9	75.3	12.0	9.9
Lamar	107.8	4.7	36.6	22.8	15.0	17.1	7.4	4.1
Lawrence	132.6	...	10.4	0.3	63.9	45.0	3.7	9.4
Marion	135.0	1.8	3.6	...	54.9	55.3	9.6	9.8
Pearl River	135.0	26.4	21.5	22.5	37.1	8.3	13.4	5.7
Perry	263.1	20.5	73.3	29.9	60.1	60.2	13.3	5.8
Stone	152.0	13.8	61.3	6.9	27.6	26.5	9.1	6.9
Walthall	32.1	...	...	...	16.4	0.2	6.4	9.2
Wayne	257.0	21.5	28.6	11.1	98.8	71.3	15.5	10.2
All counties	2442.7	240.4	524.8	146.5	611.4	657.4	131.9	130.2

Table 28—*Volume of hardwood growing stock on timberland by forest type, South Mississippi, 1987*

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	106.8	...	...	...	1.6	24.8	17.2	63.1
Forrest	69.1	...	1.1	1.2	6.4	17.5	6.4	36.4
George	89.6	1.0	...	...	3.0	5.8	18.8	60.9
Greene	148.8	3.2	4.5	2.2	3.5	47.2	28.3	60.0
Hancock	35.7	...	0.4	...	2.3	5.6	...	27.4
Harrison	42.3	...	1.5	...	...	13.5	4.6	22.7
Jackson	167.9	...	9.5	...	...	10.8	17.0	130.6
Jefferson Davis	40.3	...	...	...	0.7	2.3	9.9	27.4
Jones	124.9	0.8	1.6	0.3	18.9	40.1	25.9	37.4
Lamar	72.0	...	2.0	2.1	2.2	10.0	23.7	32.0
Lawrence	97.7	...	...	...	8.6	31.1	3.4	54.6
Marion	109.4	...	0.2	...	8.2	31.3	26.7	43.0
Pearl River	101.6	3.2	1.3	0.4	5.2	7.7	20.0	63.9
Perry	125.5	...	5.9	1.8	9.6	40.7	24.7	42.8
Stone	53.8	...	4.5	1.0	2.1	14.4	13.8	18.0
Walthall	65.3	...	...	...	1.3	1.0	18.3	44.7
Wayne	149.8	1.0	3.9	2.0	17.2	33.2	41.4	51.2
All counties	1600.2	9.2	36.4	10.9	90.8	337.0	299.9	816.1

Table 29—*Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, South Mississippi, 1987*

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	34.2	...	...	...	...	26.9	1.7	5.5
Forrest	103.6	12.1	26.4	3.4	20.3	36.6	1.3	3.6
George	54.5	3.7	1.9	...	24.1	6.7	9.3	8.9
Greene	144.3	27.0	20.0	14.4	22.1	49.8	3.7	7.3
Hancock	53.2	11.8	8.0	0.9	13.4	13.2	...	5.9
Harrison	103.3	0.7	52.6	0.7	...	39.8	2.3	7.2
Jackson	89.6	4.5	44.1	0.6	...	26.0	7.4	7.1
Jefferson Davis	30.8	...	...	...	23.0	3.4	3.8	0.5
Jones	166.2	13.8	29.5	0.4	48.5	57.3	8.1	8.4
Lamar	58.5	0.3	24.3	6.7	9.7	9.1	4.6	3.7
Lawrence	91.1	...	1.1	...	44.2	36.0	1.1	8.7
Marion	94.9	...	2.2	...	34.9	41.2	8.2	8.4
Pearl River	77.3	6.2	13.6	12.6	26.4	3.3	9.9	5.2
Perry	183.8	6.2	60.7	12.6	41.3	48.1	9.7	5.2
Stone	108.1	5.5	49.9	2.0	20.8	18.3	7.0	4.5
Walthall	23.7	...	...	...	10.6	...	5.0	8.0
Wayne	180.6	16.7	20.5	7.0	62.4	53.4	11.6	9.1
All counties	1597.3	108.4	354.8	61.1	401.8	469.3	94.6	107.2

Table 30—*Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, South Mississippi, 1987*

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	64.5	...	...	...	0.8	10.5	9.6	43.6
Forrest	34.1	...	...	0.6	3.1	5.7	4.7	19.9
George	46.6	0.4	...	...	0.5	2.7	12.4	30.7
Greene	61.6	0.5	0.8	0.4	1.6	16.9	8.4	33.0
Hancock	16.0	...	...	...	0.3	1.6	...	14.1
Harrison	15.5	...	0.3	...	...	4.0	0.7	10.6
Jackson	81.2	...	1.6	...	...	4.4	10.7	64.5
Jefferson Davis	19.5	...	...	...	0.2	0.2	3.0	16.1
Jones	61.4	...	...	...	8.8	17.8	12.4	22.4
Lamar	33.0	...	0.8	0.7	1.5	3.0	9.3	17.6
Lawrence	56.8	...	...	...	3.7	16.6	...	36.6
Marion	53.3	...	...	...	2.1	14.4	11.9	24.9
Pearl River	49.8	2.0	0.9	...	2.8	3.6	8.8	31.6
Perry	54.4	...	1.7	0.4	1.7	15.0	9.9	25.8
Stone	17.8	...	1.0	0.6	0.4	6.1	5.5	4.1
Walthall	36.1	...	...	...	...	0.4	6.2	29.4
Wayne	69.4	...	0.4	0.4	3.9	14.5	19.4	30.7
All counties	771.0	2.9	7.6	3.2	31.4	137.4	132.9	455.5

Table 31—*Volume of timber on timberland by county, class of timber and species group, South Mississippi, 1987*

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Covington	176.6	43.1	106.8	0.5	22.3	...	4.0
Forrest	250.2	163.7	69.1	4.3	9.3	0.5	3.3
George	221.3	101.6	89.6	1.2	26.2	...	2.7
Greene	428.9	236.2	148.8	7.0	32.0	...	5.0
Hancock	157.4	99.2	35.7	3.8	12.9	0.9	5.0
Harrison	240.0	161.0	42.3	7.8	24.9	0.2	3.7
Jackson	355.1	143.7	167.9	1.4	37.4	0.3	4.4
Jefferson Davis	106.1	47.9	40.3	1.1	15.4	...	1.5
Jones	410.5	231.4	124.9	9.3	41.0	...	3.9
Lamar	220.0	107.8	72.0	8.5	30.2	...	1.5
Lawrence	270.3	132.6	97.7	6.2	28.0	...	5.8
Marion	270.0	135.0	109.4	2.0	20.8	...	2.8
Pearl River	275.0	135.0	101.6	4.7	29.9	...	3.8
Perry	424.7	263.1	125.5	7.1	25.6	...	3.4
Stone	228.0	152.0	53.8	3.8	17.5	...	0.9
Walthall	129.8	32.1	65.3	3.3	25.3	0.4	3.4
Wayne	444.4	257.0	149.8	4.1	28.6	...	4.8
All counties	4608.3	2442.7	1600.2	76.1	427.3	2.2	59.8

Table 32—*Number of live trees on timberland by detailed species and diameter class, South Mississippi, 1987*

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 & larger
	Thousand trees												
Longleaf pine	101844	37846	24989	12999	7636	6251	5676	3532	1783	871	174	87	...
Slash pine	233667	87231	63693	41192	21086	10437	5154	2605	1440	534	235	59	...
Shortleaf pine	57290	19615	15666	9317	5624	3060	2338	1117	313	187	31	22	...
Loblolly pine	373969	175382	105118	37981	24897	11760	7695	4929	3276	1486	702	724	19
Spruce pine	4607	1092	567	771	648	448	452	216	104	115	112	82	...
Redcedar	1767	1659	...	...	48	...	60	...	...	...	...	...	...
Hemlock-spruce	84	...	...	...	65	...	...	19	...	...	...	...	...
Cypress	33880	17733	11351	2679	1160	298	271	82	96	94	43	72	...
Total softwoods	807108	340559	221383	104940	61164	32255	21648	12499	7012	3288	1297	1046	19
Select white oaks	33690	19829	5745	3235	1448	965	796	610	338	287	169	249	20
Select red oaks	4103	1558	1512	86	344	87	102	97	80	51	50	109	27
Other white oaks	66990	44119	10414	5483	2955	1665	924	675	437	93	126	89	9
Other red oaks	338334	241615	46058	20807	10733	7530	4485	2738	1544	1170	598	918	137
Sweet pecan	94	...	...	...	...	...	59	21	...	...	...	6	8
Water hickory	1600	1386	...	...	...	86	...	45	35	22	19	7	...
Other hickories	26742	20335	1574	2009	942	603	438	386	208	110	96	40	...
Persimmon	24994	22178	2618	97	71	...	29	...	...	...	...	...	...
Hard maple	93	...	...	93	...	...	...	...	...	...	...	...	...
Soft maple	201852	163877	21567	10355	3678	1183	606	306	116	98	53	13	...
Boxelder	50	...	...	...	...	50	...	...	...	...	...	...	...
Beech	2972	1615	548	...	65	158	145	66	110	85	79	88	13
Sweetgum	170968	118096	29087	11415	6051	3076	1252	741	506	321	172	226	25
Blackgum	239069	155071	43934	18447	8628	4704	3303	2808	1189	527	231	189	38
Other gums/tupelos	34559	11387	8510	3888	4322	2896	1479	954	491	390	80	150	12
White ash	941	...	602	241	...	70	...	...	18	...	10	...	...
Other ashes	16181	10441	3188	1586	397	209	108	83	101	11	29	27	...
Sycamore	352	...	...	...	201	37	47	41	15	...	11	...	...
Yellow-poplar	40961	23735	6290	3348	2530	1576	1550	916	478	269	93	155	21
Magnolia	14052	11592	987	343	401	260	286	65	38	33	29	18	...
Sweetbay	163273	108446	24740	12762	7622	4044	2599	1261	1039	363	281	107	9
Willow	6405	5089	1032	131	...	100	...	20	33	...	...	...	...
Black walnut	82	...	...	...	82	...	...	...	...	...	...	...	...
Black cherry	43706	31620	8047	2635	822	462	57	16	...	27	...	20	...
American elm	2731	1167	524	372	191	251	90	81	17	28	...	7	4
Other elms	7354	5375	1178	136	338	122	88	59	34	...	9	15	...
River birch	2809	1571	524	386	203	33	28	34	32	...	...	...	...
Hackberry	4149	2192	1134	393	261	81	27	40	...	12	9	...	...
Sassafras	13055	10977	1563	280	208	...	27	...	...	...	...	...	...
Dogwood	142611	101495	30911	8835	1245	125	...	...	...	...	...	...	...
Holly	38654	32053	4272	1082	801	228	134	21	64	...	...	...	...
Other commercial	23211	18273	4154	492	184	70	38	...	...	...	...	...	...
Total hardwoods	1666634	1165090	260711	108935	54723	30671	18699	12083	6924	3897	2144	2434	324
Noncommercial	236038	196705	20564	12492	4072	1820	177	100	64	14	19	8	3
All species	2709781	1702354	502658	226367	119959	64746	40523	24681	14000	7199	3460	3488	346

Table 33—*Number of growing-stock trees on timberland by detailed species and diameter class, South Mississippi, 1987*

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 & larger
	Million cubic feet										
Longleaf pine	38149	12486	7595	6136	5594	3469	1783	861	145	80	...
Slash pine	78517	38626	20317	9750	5095	2492	1430	522	226	59	...
Shortleaf pine	21383	8898	5526	3015	2274	1117	313	187	31	22	...
Loblolly pine	85624	33661	23121	10931	7238	4747	3125	1432	649	700	19
Spruce pine	2727	608	590	448	452	216	104	115	112	82	...
Redcedar	75	...	48	...	27	...	...	...	...	...	...
Hemlock-spruce	84	...	65	...	...	19	...	...	...	...	...
Cypress	4442	2539	1106	219	228	82	81	83	32	72	...
Total softwoods	231000	96819	58367	30498	20909	12141	6836	3200	1196	1015	19
Select white oaks	6557	2646	1076	840	685	542	183	252	130	186	17
Select red oaks	870	...	344	87	76	97	65	51	50	81	20
Other white oaks	9917	4377	2626	1397	566	462	250	64	82	82	9
Other red oaks	39761	15776	9198	6586	2983	2092	1236	763	488	576	62
Sweet pecan	61	...	...	...	30	21	...	...	...	6	4
Water hickory	183	...	...	86	...	45	35	10	...	7	...
Other hickories	3740	1368	870	559	323	298	175	98	22	26	...
Persimmon	29	...	...	...	29	...	...	...	...	...	...
Hard maple	93	93	...	...	...	...	...	...	...	...	...
Soft maple	8519	5430	1846	660	336	137	36	54	20	...	...
Boxelder	50	...	...	50	...	...	...	...	...	...	...
Beech	430	...	65	113	58	24	80	13	41	33	4
Sweetgum	19435	8764	5417	2683	887	612	473	256	151	178	16
Blackgum	30279	13186	7003	4020	2304	2214	905	431	132	80	3
Other gums/tupelos	11955	2810	3845	2555	1086	870	380	291	60	55	4
White ash	191	127	...	37	...	...	18	...	10	...	...
Other ashes	1932	1156	329	164	77	64	83	11	19	27	...
Sycamore	342	...	201	37	47	41	15	...	...	...	...
Yellow-poplar	8846	2547	2323	1337	1117	791	316	220	61	128	5
Magnolia	1046	343	252	168	162	44	18	12	29	18	...
Sweetbay	19344	8853	5566	2469	1426	420	379	123	81	26	...
Willow	196	131	...	50	...	...	15	...	...	...	...
Black walnut	82	...	82	...	...	...	...	...	...	...	...
Black cherry	2411	1536	404	420	35	...	...	15	...	...	...
American elm	900	372	122	210	58	81	17	28	...	7	4
Other elms	802	136	338	122	88	59	34	...	9	15	...
River birch	532	301	146	33	...	21	32	...	...	...	...
Hackberry	530	188	182	81	27	40	...	12	...	...	...
Sassafras	131	...	131	...	...	...	...	...	...	...	...
Dogwood	1942	1718	224	...	...	...	...	...	...	...	...
Holly	1564	770	572	106	80	21	15	...	...	...	...
Other commercial	262	101	130	31	...	...	...	...	...	...	...
Total hardwoods	172930	72729	43293	24902	12482	8996	4759	2703	1386	1531	148
All species	403930	169548	101660	55400	33391	21137	11595	5903	2582	2546	167

Table 34—*Volume of growing-stock trees on timberland by species and diameter class, South Mississippi, 1987*

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 & larger
	Million cubic feet										
Longleaf pine	539.6	36.0	52.8	84.9	125.3	107.4	74.2	43.7	9.1	6.3	...
Slash pine	638.0	92.8	127.3	121.9	104.0	79.2	61.4	30.3	15.3	5.9	...
Shortleaf pine	222.3	25.5	40.1	43.0	49.0	35.2	15.2	10.3	2.3	1.7	...
Loblolly pine	956.8	80.3	142.8	132.3	142.8	136.1	126.0	75.5	44.2	73.3	3.4
Spruce pine	52.9	2.0	3.8	5.8	8.1	5.9	4.9	6.9	7.5	7.9	...
Redcedar	0.7	...	0.3	...	0.4	...	...	...	...	...	...
Hemlock-spruce	0.8	...	0.3	...	...	0.5	...	...	...	...	...
Cypress	31.7	4.8	6.0	2.1	3.0	1.6	2.5	4.0	1.4	6.2	...
Total softwoods	2442.7	241.4	373.4	390.0	432.8	365.9	284.1	170.6	79.9	101.3	3.4
Select white oaks	88.9	7.3	6.0	9.7	12.1	13.5	6.4	10.7	6.8	13.4	3.0
Select red oaks	26.5	...	1.6	0.8	1.5	2.8	2.3	2.8	3.0	7.8	4.0
Other white oaks	72.5	9.3	12.9	11.8	8.9	9.5	6.7	2.3	4.0	5.6	1.6
Other red oaks	405.9	42.5	53.7	64.5	48.9	49.2	39.2	31.5	26.2	42.5	7.9
Sweet pecan	1.7	...	...	...	0.4	0.5	...	...	...	0.5	0.2
Water hickory	4.7	...	...	1.0	...	0.9	1.4	0.6	...	0.7	...
Other hickories	35.4	2.4	3.9	4.7	4.9	6.8	6.1	3.7	1.3	1.5	...
Persimmon	0.4	...	...	...	0.4	...	...	...	...	...	...
Hard maple	0.4	0.4	...	...	...	...	...	...	...	...	...
Soft maple	42.3	14.4	10.4	5.7	5.4	2.7	0.8	2.0	0.8	...	...
Boxelder	0.4	...	...	0.4	...	...	...	...	...	...	...
Beech	10.8	...	0.4	1.4	0.6	0.4	2.6	0.6	1.9	2.6	0.5
Sweetgum	173.1	20.3	31.9	28.9	16.4	16.7	17.5	12.5	10.0	16.3	2.5
Blackgum	265.2	30.2	39.0	42.1	38.4	54.3	30.6	18.0	7.3	5.1	0.3
Other gums/tupelos	130.7	7.0	23.1	28.1	19.2	20.5	12.6	13.2	3.1	3.6	0.4
White ash	2.1	0.4	...	0.4	...	...	0.6	...	0.7	...	...
Other ashes	16.6	3.2	2.1	1.8	1.4	1.5	2.9	0.5	1.1	2.0	...
Sycamore	4.5	...	1.1	0.6	1.2	1.1	0.6	...	...	...	...
Yellow-poplar	109.6	7.5	14.4	14.4	19.0	19.7	11.4	9.7	3.3	9.3	0.8
Magnolia	11.6	0.9	1.7	1.7	2.8	1.0	0.6	0.3	1.4	1.3	...
Sweetbay	143.7	25.7	35.6	26.7	23.5	9.7	12.1	4.8	3.9	1.6	...
Willow	1.0	0.2	...	0.4	...	...	0.4	...	...	...	...
Black walnut	0.2	...	0.2	...	...	...	...	...	...	...	...
Black cherry	11.9	3.9	2.7	4.4	0.5	...	...	0.4	...	...	...
American elm	9.8	1.2	1.0	2.2	1.2	1.9	0.3	1.2	...	0.5	0.3
Other elms	8.7	0.2	1.7	1.1	1.6	1.6	0.9	...	0.5	1.1	...
River birch	4.0	1.1	0.8	0.4	...	0.6	1.2	...	...	...	...
Hackberry	4.1	0.4	1.2	0.9	0.5	0.7	...	0.4	...	...	...
Sassafras	0.7	...	0.7	...	...	...	...	...	...	...	...
Dogwood	4.1	3.2	0.9	...	...	...	...	...	...	...	...
Holly	7.7	1.9	3.0	0.8	1.1	0.3	0.6	...	...	...	...
Other commercial	1.0	0.2	0.5	0.3	...	...	...	...	...	...	...
Total hardwoods	1600.2	183.8	250.6	255.3	209.9	215.7	157.7	115.2	75.1	115.5	21.4
All species	4042.9	425.2	624.0	645.4	642.7	581.6	441.8	285.8	155.0	216.7	24.8

Table 35—*Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, South Mississippi, 1987*

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 & larger
	Million cubic feet								
Longleaf pine	390.9	68.5	111.2	95.5	64.7	37.6	8.0	5.4	...
Slash pine	363.4	92.9	91.5	73.9	57.1	28.1	14.3	5.6	...
Shortleaf pine	136.8	35.2	44.0	31.4	13.7	9.0	2.0	1.4	...
Loblolly pine	643.9	105.7	125.4	122.4	113.4	67.6	40.3	66.0	3.0
Spruce pine	42.5	5.0	7.1	5.3	4.6	6.4	6.6	7.6	...
Redcedar	0.4	...	0.4	...	...	...	...	...	...
Hemlock-spruce	0.4	...	...	0.4	...	...	...	...	...
Cypress	19.0	1.7	2.4	1.5	2.3	3.9	1.3	6.1	...
Total softwoods	1597.3	309.0	382.0	330.5	255.9	152.4	72.5	92.0	3.0
Select white oaks	55.5	...	9.0	11.3	5.5	9.4	5.8	12.1	2.5
Select red oaks	22.3	...	1.1	2.5	2.2	2.5	2.8	7.3	3.9
Other white oaks	32.9	...	7.0	8.0	6.0	1.9	3.4	4.9	1.6
Other red oaks	208.0	...	35.1	41.3	34.8	27.5	23.7	38.3	7.3
Sweet pecan	1.3	...	0.3	0.4	...	...	...	0.3	0.2
Water hickory	3.2	...	...	0.9	1.1	0.5	...	0.7	...
Other hickories	20.1	...	3.7	5.7	4.9	3.2	1.1	1.5	...
Persimmon	0.3	...	0.3	...	...	...	...	...	...
Soft maple	9.5	...	4.0	2.4	0.7	1.6	0.8	...	...
Beech	8.0	...	0.6	0.3	2.0	0.6	1.6	2.5	0.5
Sweetgum	77.8	...	11.1	14.1	15.2	11.4	8.8	15.1	2.1
Blackgum	131.6	...	28.6	47.5	27.8	15.9	6.9	4.7	0.3
Other gums/tupelos	62.2	...	14.4	16.7	11.9	12.3	3.0	3.5	0.4
White ash	1.0	...	...	...	0.5	...	0.5	...	...
Other ashes	8.2	...	1.2	1.0	2.7	0.5	1.1	1.7	...
Sycamore	2.3	...	0.9	0.9	0.4	...	...	...	...
Yellow-poplar	60.6	...	13.3	16.8	10.1	8.8	2.9	8.1	0.7
Magnolia	6.5	...	2.2	0.8	0.6	0.3	1.4	1.3	...
Sweetbay	45.7	...	17.7	8.0	10.5	4.5	3.5	1.4	...
Willow	0.2	...	...	...	0.2	...	...	...	...
Black cherry	0.8	...	0.4	...	...	0.4	...	...	...
American elm	4.5	...	0.8	1.7	0.3	1.0	...	0.4	0.3
Other elms	4.4	...	0.8	1.2	0.9	...	0.5	0.9	...
River birch	1.4	...	...	0.5	0.9	...	...	...	...
Hackberry	1.2	...	0.3	0.5	...	0.4	...	...	...
Holly	1.7	...	0.9	0.3	0.6	...	...	...	...
Total hardwoods	771.0	...	153.7	182.7	139.6	102.7	67.7	104.9	19.6
All species	2368.3	309.0	535.8	513.2	395.5	255.1	140.2	196.9	22.6

Table 36—*Volume of timber on timberland by species and class of timber, South Mississippi, 1987*

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Longleaf pine	547.9	539.6	8.3	...
Slash pine	657.9	638.0	19.9	...
Shortleaf pine	225.0	222.3	2.7	...
Loblolly pine	1000.5	956.8	42.9	0.9
Spruce pine	53.7	52.9	0.8	...
Redcedar	1.0	0.7	0.3	...
Hemlock-spruce	0.8	0.8	...	...
Cypress	34.2	31.7	1.2	1.3
Total softwoods	2521.1	2442.7	76.1	2.2
Select white oaks	104.7	88.9	14.3	1.5
Select red oaks	29.2	26.5	1.8	0.8
Other white oaks	92.3	72.5	19.4	0.4
Other red oaks	504.3	405.9	86.4	12.0
Sweet pecan	2.2	1.7	0.5	...
Water hickory	5.8	4.7	1.1	...
Other hickories	44.2	35.4	6.8	2.1
Persimmon	1.1	0.4	0.7	...
Hard maple	0.4	0.4	...	...
Soft maple	70.6	42.3	26.4	1.9
Boxelder	0.4	0.4	...	...
Beech	19.9	10.8	7.0	2.1
Sweetgum	201.5	173.1	24.8	3.6
Blackgum	323.7	265.2	48.4	10.1
Other gums/tupelos	152.9	130.7	17.5	4.7
White ash	2.6	2.1	0.6	...
Other ashes	19.3	16.6	2.7	...
Sycamore	5.0	4.5	0.5	...
Yellow-poplar	129.5	109.6	18.3	1.6
Magnolia	15.4	11.6	3.8	...
Sweetbay	226.0	143.7	64.8	17.4
Willow	1.9	1.0	0.9	...
Black walnut	0.2	0.2	...	...
Black cherry	17.5	11.9	5.2	0.3
American elm	10.8	9.8	1.0	...
Other elms	8.7	8.7	...	...
River birch	5.3	4.0	1.3	...
Hackberry	5.5	4.1	1.0	0.4
Sassafras	2.1	0.7	0.9	0.4
Dogwood	16.8	4.1	12.6	0.1
Holly	11.6	7.7	3.7	0.2
Other commercial	2.4	1.0	1.4	...
Total hardwoods	2033.8	1600.2	373.8	59.8
Noncommercial	53.5	...	53.5	...
All species	4608.3	4042.9	503.4	62.0

Figure 1.—*Area of timberland by forest type, South Mississippi, 1977 and 1987.*

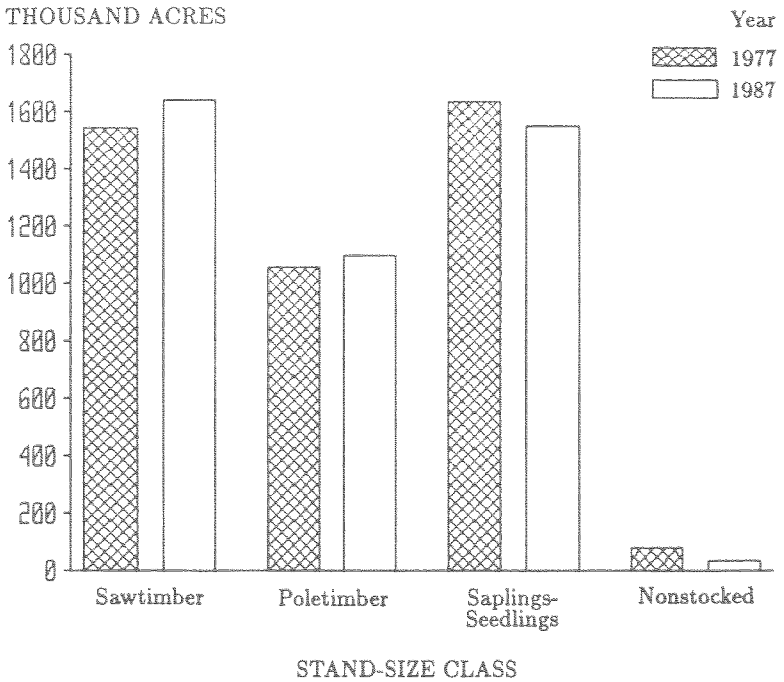

Figure 2.—*Area of timberland by stand-size class, South Mississippi, 1977 and 1987.*

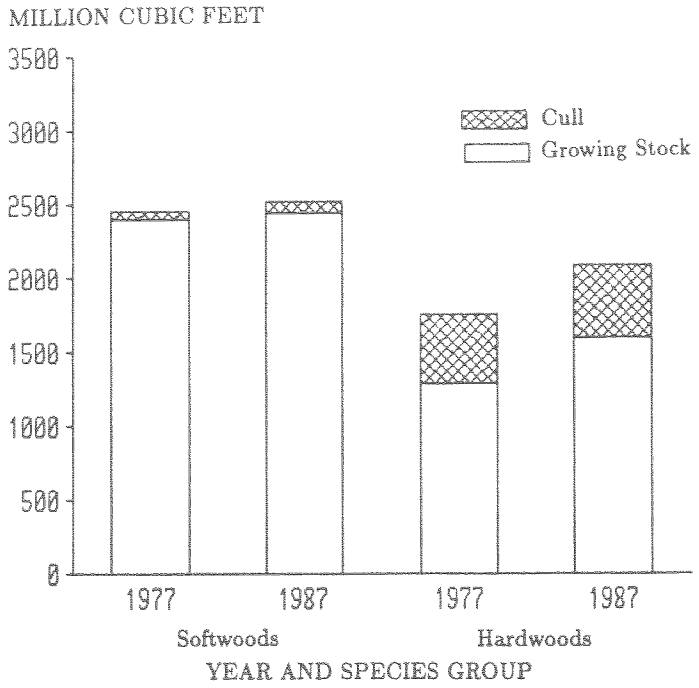

Figure 3.—*Volume of timber on timberland by species group and class of timber, South Mississippi, 1977 and 1987.*

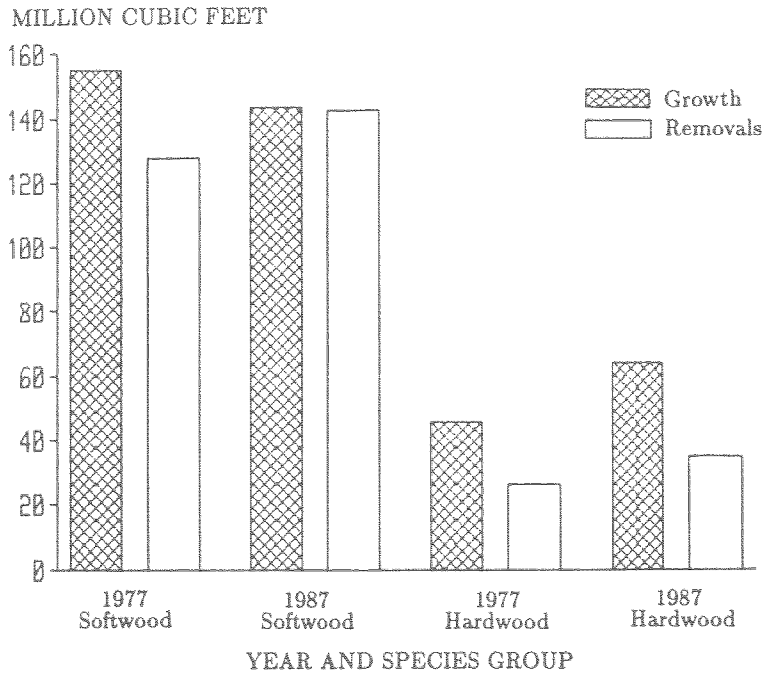

Figure 4.—*Average net annual growth and average annual removals of growing stock on timberland by species group, South Mississippi, 1977 and 1987.*

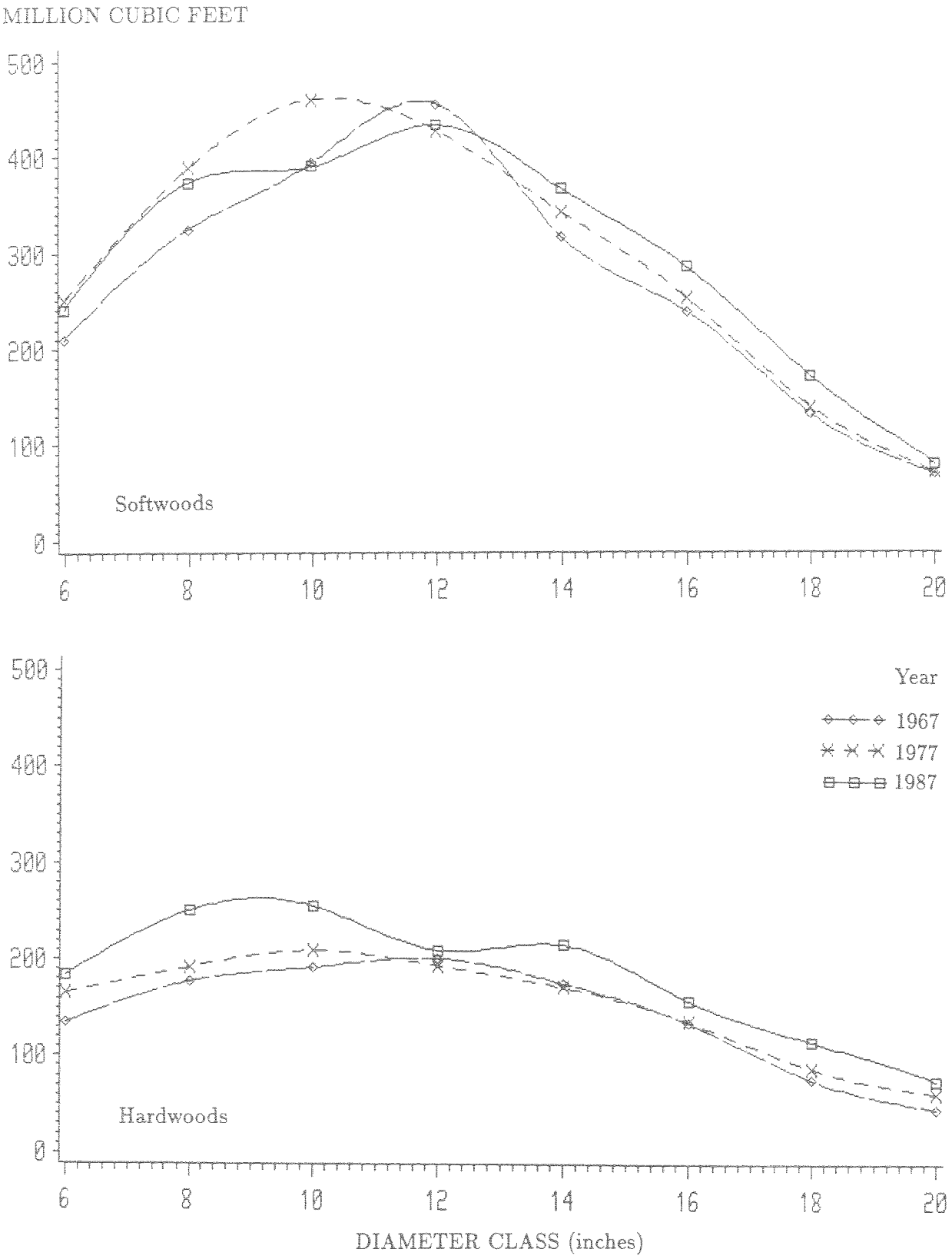

Figure 5.— *Volume of softwood and hardwood growing stock on timberland by diameter class, South Mississippi, 1967, 1977, and 1987.*

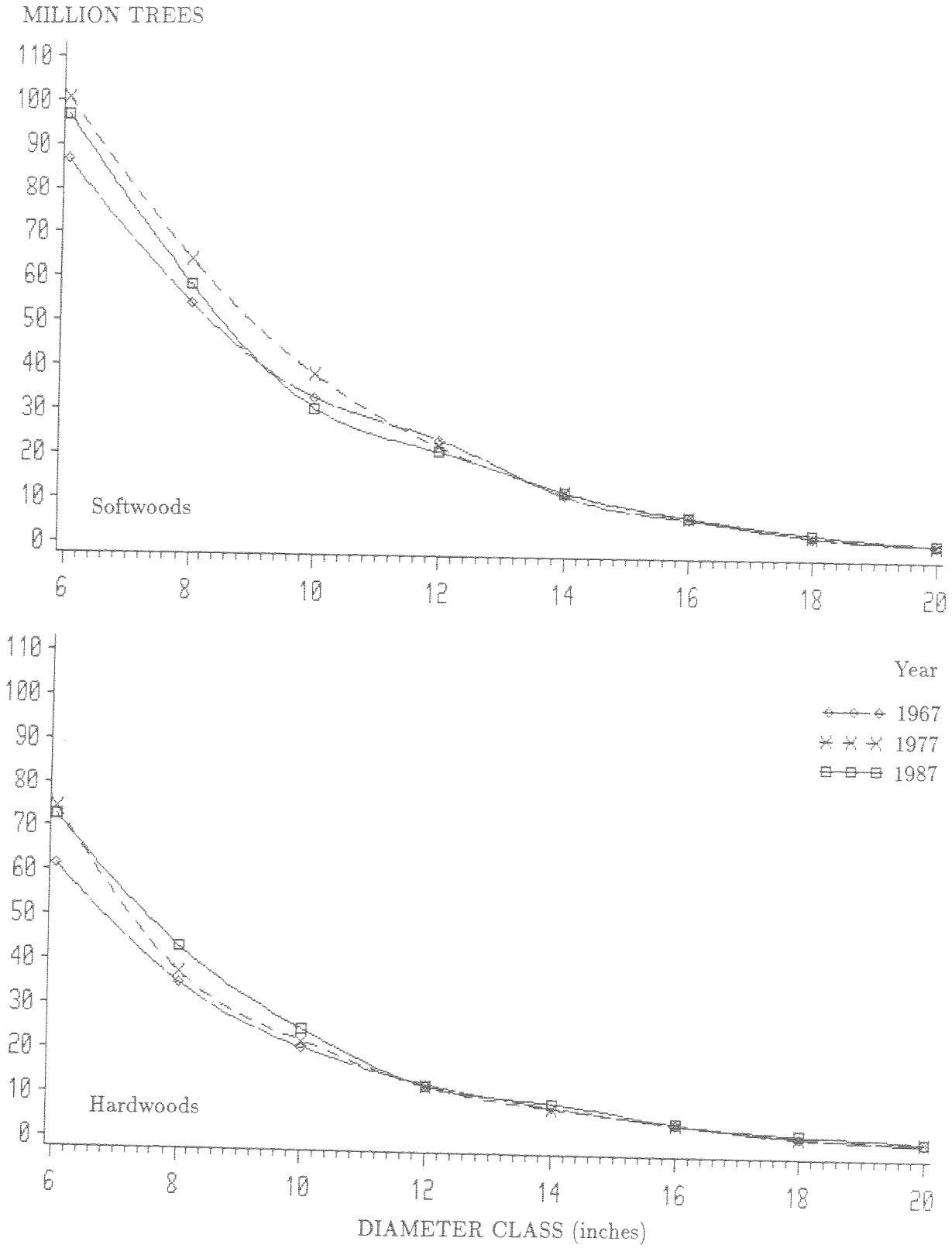

Figure 6.—*Number of softwood and hardwood growing stock trees on timberland by diameter class, South Mississippi, 1967, 1977, and 1987.*

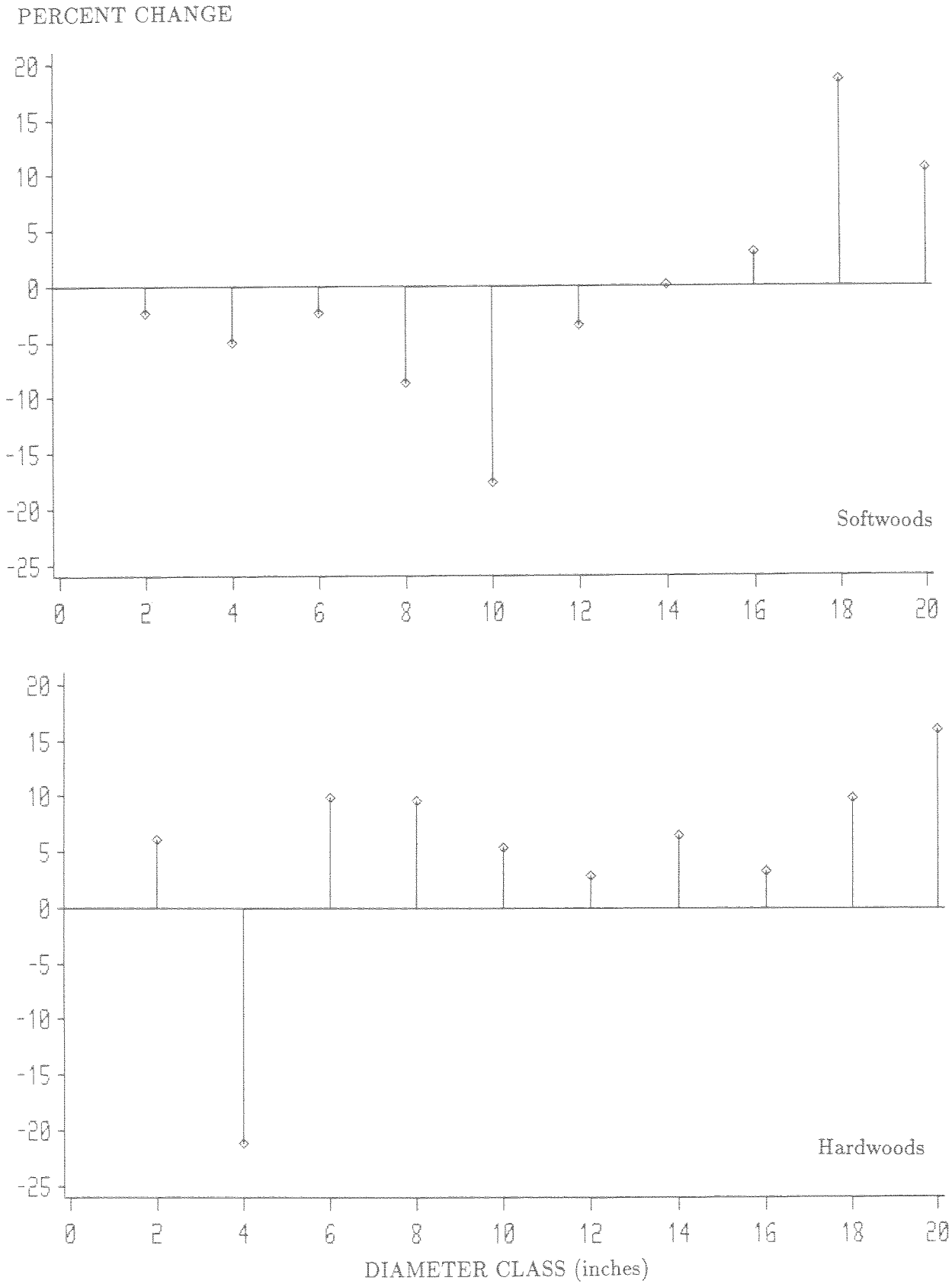

Figure 7.—*Percent change in the number of live softwood and hardwood trees by diameter class, South Mississippi, 1977 to 1987.*

☆U.S. GOVERNMENT PRINTING OFFICE:1987 761 086/60031

ACKNOWLEDGMENTS

The Southern Station gratefully acknowledges the cooperation and assistance provided by the Mississippi Forestry Commission and forest industries in collecting field data. Appreciation is also expressed for the cooperation of other public agencies and other private landowners in providing access to the sample locations.

Kelly, John F. and Hines, F. Dee, Forest Statistics for South Mississippi counties—1987. Resourc. Bull. SO-124 . New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1987. 34 p.

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

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