4101

United States
Department of
Agriculture

Forest Service

**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-128

Forest Statistics for Southwest Mississippi Counties - 1987

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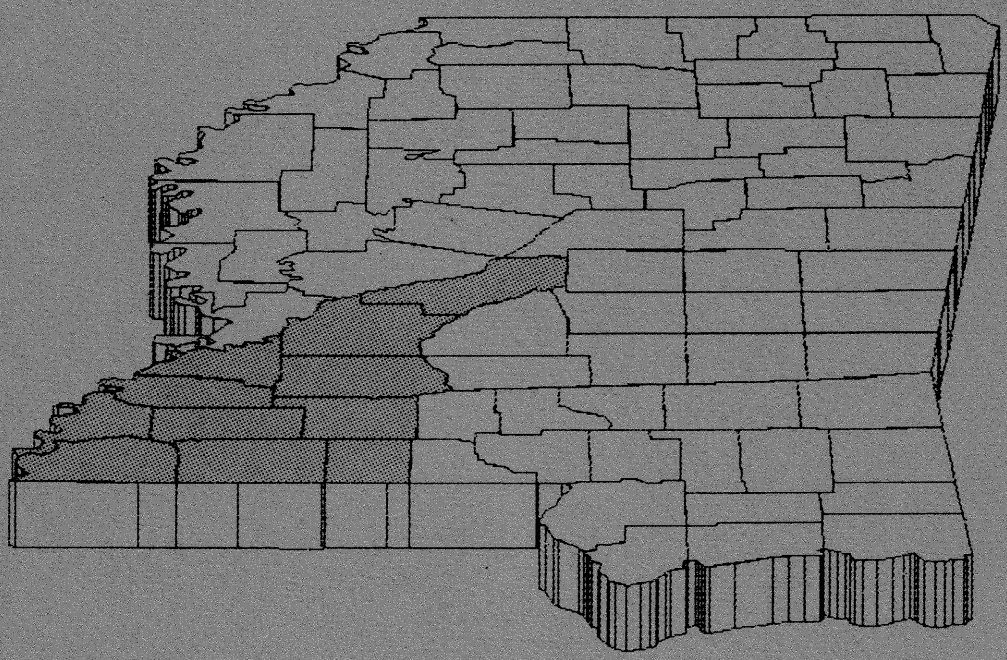

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SUMMARY

The 1987 survey of the 11 counties in the Southwest Mississippi unit indicated the following changes since the previous survey in 1977:

* Timberland area, now covering 2,766.0 thousand acres, is approximately the same.
* Forest industry-owned land increased 13 percent.
* Oak-hickory forest type increased by 266.1 thousand acres, or 32 percent.
* Pine and oak-pine forest types decreased 3 percent and 13 percent, respectively.
* Oak-gum-cypress forest type decreased 29 percent.
* Sawtimber stands increased 8 percent; they now account for 61 percent of total timberland.
* Softwood growing-stock volume decreased 7 percent.
* Hardwood growing-stock volume increased 25 percent.
* Net growth of softwoods decreased 30 percent, while hardwood growth increased 33 percent.
* Removals increased 25 percent.
* Softwood removals now exceed growth by 4 percent.
* Mortality increased 35 percent, due to softwood changes.

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.

July 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.

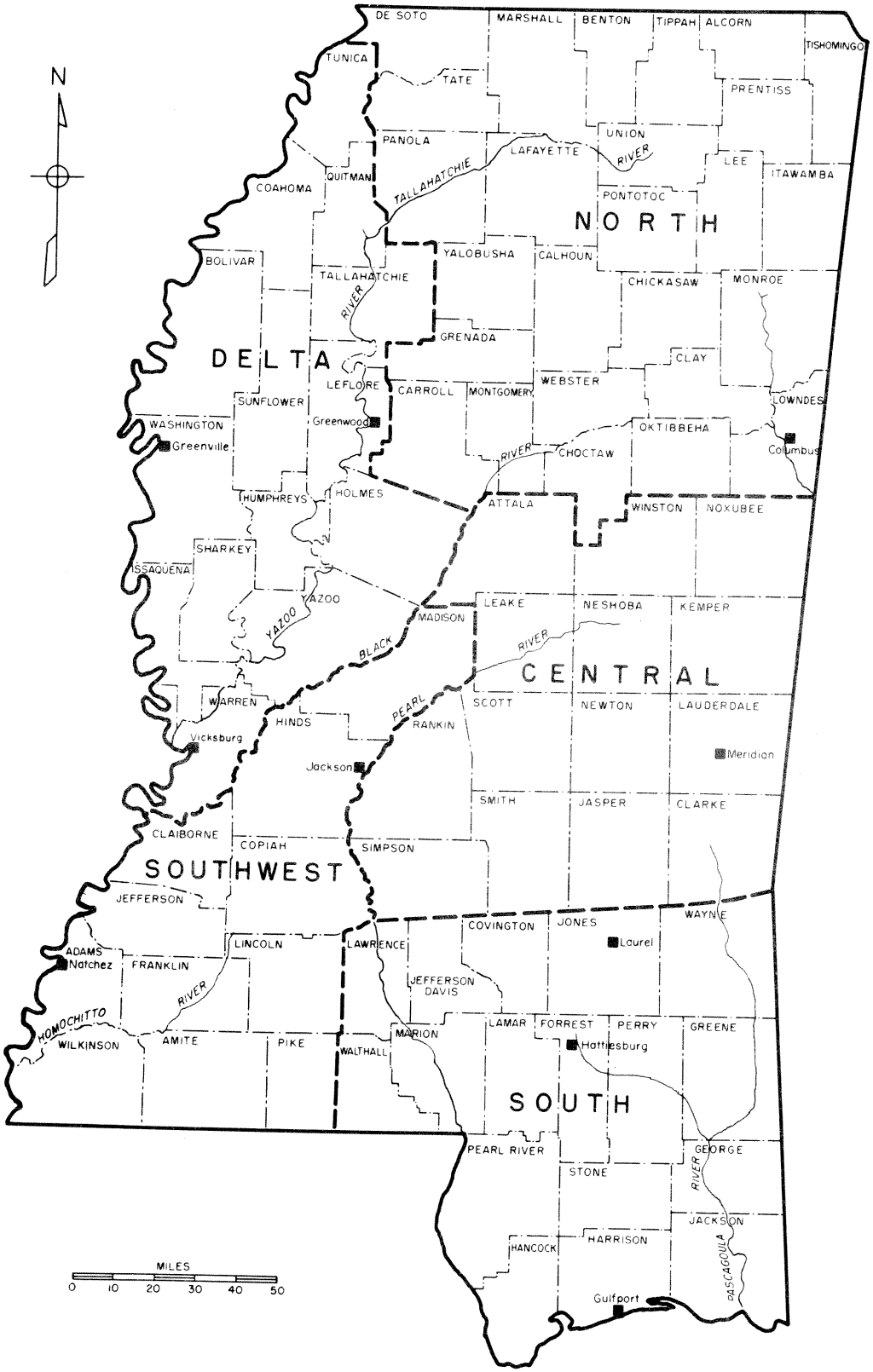

Figure I.–The forest survey regions of Mississippi

Forest Statistics for Southwest Mississippi Counties—1987

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INTRODUCTION

The tables in this report were derived from data obtained from an inventory of 11 counties comprising the Southwest Mississippi Unit (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 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the Southwest Unit (with a sampling error of 3.7 percent) is

$$3,807.1 \pm 1.96(0.037 \text{x} 3,807.1) = 3,807.1 \pm 276.1$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 3,531.0 to 4,083.2 million cubic feet,

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

County	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
	Percent				
Adams	2.3	16.4	11.6	26.0	20.2
Amite	2.3	9.7	8.7	19.7	11.1
Claiborne	2.1	9.3	9.5	30.6	10.5
Copiah	1.9	9.0	7.0	13.1	10.8
Franklin	2.4	9.7	9.8	21.3	11.3
Hinds	1.7	11.9	17.8	29.6	14.3
Jefferson	2.7	11.6	11.2	27.2	15.2
Lincoln	3.3	15.3	12.3	27.6	17.5
Madison	1.7	14.3	13.3	27.9	17.0
Pike	4.3	16.3	18.7	32.6	20.8
Wilkinson	1.7	10.7	11.2	21.4	12.0
All counties	0.7	3.7	3.4	7.3	4.5

[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

Total timberland in Southwest Mississippi covers 2,766.0 thousand acres, which is only a small change from 1977. The region is now 63 percent forested.

Some minor shifts in ownership of timberland have occurred since 1977, notably with forest industry and other public ownerships. Forest industry timberland has increased 13 percent. Other publicly-owned timberland—which excludes National Forests—has increased from 55.8 thousand acres in 1977 to 120.7 thousand acres in 1987. Timberland in the other private category decreased 4 percent.

Changes in forest type since 1977 are evident. The area of oak-hickory forest type increased 32 percent, from 822.4 thousand acres to 1,088.5 thousand acres. Other upland forest types have decreased: the oak-pine type decreased 13 percent, and pine forest types decreased 3 percent. The oak-gum-cypress type also decreased, from 506.3 thousand acres to 359.5 thousand acres. The elm-ash-cottonwood type remained about the same, covering 32.8 thousand acres.

Southwest Mississippi forests are increasingly dominated by sawtimber-size stands, although there was also a small increase in sapling-seedling stands. Sawtimber stands increased 8 percent and currently account for 61 percent of total timberland. Sapling-seedling stands increased 3 percent to 561.0 thousand acres. Poletimber stands, on the other hand, decreased 19 percent, from 629.2 thousand acres to 507.4 thousand acres.

Contributing to the increase in sapling-seedling stands was the increase in plantations. Planted stands increased from 68.4 thousand acres in 1977 to 213.6 thousand acres in 1987. These stands now account for 8 percent of total timberland.

Number of Trees

The number of all live trees in Southwest Mississippi has declined since 1977. The number of softwood live trees decreased 11 percent, but there were increases in some diameter-at-breast-height (d.b.h.) classes–the 2-inch, 20-inch, and larger classes. The number of hardwood live trees decreased 10 percent; the decreases were in the 14-inch and smaller d.b.h. classes, except for the 10-inch class which increased.

The number of growing-stock trees also decreased. Softwood growing-stock trees decreased 18 percent, with decreases in all d.b.h. classes below the 20-inch class. Hardwood growing-stock trees decreased 46 percent; although decreases were concentrated in tree sizes below 5 inches, decreases were evident through the 8-inch d.b.h. class.

Timber Volume

Softwood growing-stock volume decreased 7 percent since 1977. The change was from 1,902.7 million cubic feet previously to 1,773.0 million cubic feet currently. The decrease in softwood growing-stock volume for the current survey is in contrast to the 30 percent increase indicated for the period 1967-1977. Softwood sawtimber increased by a small amount, about 2 percent from 1977 to 1987. Softwood sawtimber increased 44 percent from 1967 to 1977.

Hardwood growing-stock volume increased 25 percent since 1977, similar to the 28 percent increase from 1967 to 1977. Current hardwood growing-stock volume is 2,034.0 million cubic feet, up from 1,621.3 million cubic feet in 1977. Hardwood sawtimber has likewise increased 35 percent since 1977. Hardwood sawtimber increased 32 percent from 1967 to 1977.

The volume of cull trees has increased 14 percent since 1977. Softwood cull volume increased 7 percent, while hardwoods increased 15 percent. Hardwoods account for 89 percent of total volume in cull trees.

Growth, Removals, and Mortality

Total net annual growth decreased 7 percent compared to the 1977 estimates, with the entire decrease attributable to softwoods; hardwood growth increased. Growth is calculated as an annual average for the inter-survey period, i.e., 1977-1987; removals and mortality are similarly calculated. Softwood growing-stock annual growth decreased 30 percent, from 120.1 million cubic feet in the 1977 survey to 83.9 million cubic feet in the current survey. Hardwood growing-stock annual growth, however, increased 33 percent.

Annual removals of growing stock increased 25 percent, compared to the 1977 estimates. Softwood removals increased 17 percent and now exceed growth by a small margin. Hardwood removals also increased, from 26.3 million cubic feet for the 1967-1977 period to 38.7 million cubic feet for the 1977-1987 period.

Annual mortality has increased since the previous survey due to changes for softwoods. Softwood mortality is estimated at 19.4 million cubic feet, up from 11.4 million cubic feet in 1977. Hardwood mortality is 12.8 million cubic feet annually, about the same as in the previous survey.

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.

Core Tables 1–25

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

County	All land[1]	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
Adams	291.9	194.5	194.5	...	...	97.4
Amite	468.4	331.8	331.8	...	...	136.6
Claiborne	315.9	215.9	215.9	...	...	100.1
Copiah	498.5	348.2	348.2	...	...	150.3
Franklin	362.5	309.5	309.5	...	...	53.0
Hinds	559.8	206.8	206.8	...	...	352.9
Jefferson	334.8	239.7	239.7	...	...	95.1
Lincoln	375.4	259.4	259.4	...	...	116.0
Madison	459.2	181.9	181.9	...	...	277.4
Pike	262.5	154.2	154.2	...	...	108.4
Wilkinson	434.2	324.1	324.1	...	...	110.1
All counties	4363.3	2766.0	2766.0	...	...	1597.3

[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 conditions.

Table 2–*Area of timberland by county and ownership class, Southwest Mississippi, 1987*

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry[1]	Farmer	Corporate[2]	Individual[2]
	Thousand acres								
Adams	194.5	15.0	...	15.0	...	10.0	49.9	15.0	89.8
Amite	331.8	21.8	...	38.1	...	32.6	103.4	5.4	130.6
Claiborne	215.9	...	5.8	5.8	...	52.5	40.8	17.5	93.3
Copiah	348.2	9.7	...	9.7	...	82.2	120.9	19.3	106.4
Franklin	309.5	94.8	...	6.3	6.3	63.2	69.5	19.0	50.5
Hinds	206.8	...	6.1	...	...	6.1	85.2	24.3	85.2
Jefferson	239.7	5.8	...	5.8	...	76.0	64.3	...	87.7
Lincoln	259.4	11.8	...	...	...	11.8	76.6	11.8	147.4
Madison	181.9	...	...	...	14.7	29.5	63.9	9.8	63.9
Pike	154.2	...	...	...	...	7.0	91.1	...	56.1
Wilkinson	324.1	28.2	...	7.0	...	119.8	70.5	7.0	91.6
All counties	2766.0	187.0	11.9	87.8	21.1	490.7	836.0	129.2	1002.4

[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, Southwest Mississippi, 1987*

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-Cottonwood
		Planted	Natural				
	Thousand acres						
Adams	194.5	...	5.0	15.0	134.7	19.9	19.9
Amite	331.8	...	146.9	59.8	103.4	21.8	...
Claiborne	215.9	5.8	...	11.7	140.0	58.3	...
Copiah	348.2	38.7	58.0	77.4	120.9	53.2	...
Franklin	309.5	...	157.9	75.8	63.2	12.6	...
Hinds	206.8	18.3	24.3	30.4	103.4	30.4	...
Jefferson	239.7	23.4	23.4	17.5	134.5	35.1	5.8
Lincoln	259.4	17.7	82.5	59.0	82.5	17.7	...
Madison	181.9	9.8	29.5	44.2	44.2	54.1	...
Pike	154.2	...	49.1	35.0	63.1	7.0	...
Wilkinson	324.1	28.2	49.3	91.6	98.6	49.3	7.0
All counties	2766.0	141.9	625.9	517.4	1088.5	359.5	32.8

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

County	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked[1] areas
	Thousand acres				
Adams	194.5	124.7	39.9	29.9	...
Amite	331.8	223.0	54.4	54.4	...
Claiborne	215.9	145.8	29.2	35.0	5.8
Copiah	348.2	174.1	87.1	87.1	...
Franklin	309.5	252.7	25.3	31.6	...
Hinds	206.8	139.9	36.5	30.4	...
Jefferson	239.7	122.8	58.5	58.5	...
Lincoln	259.4	117.9	64.9	76.6	...
Madison	181.9	88.5	34.4	59.0	...
Pike	154.2	98.1	28.0	28.0	...
Wilkinson	324.1	190.2	49.3	70.5	14.1
All counties	2766.0	1677.8	507.4	561.0	19.9

[1] Timberland less than 16.7 percent stocked.

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

County	All classes	Site class (cubic feet/acre/year)				
		>165	120-165	85-120	50-85	<50
	Thousand acres					
Adams	194.5	49.9	94.8	44.9	5.0	...
Amite	331.8	108.8	163.2	38.1	21.8	...
Claiborne	215.9	110.8	29.2	46.7	29.2	...
Copiah	348.2	38.7	101.6	183.8	24.2	...
Franklin	309.5	107.4	139.0	44.2	19.0	...
Hinds	206.8	79.1	73.0	42.6	12.2	...
Jefferson	239.7	70.2	87.7	70.2	11.7	...
Lincoln	259.4	41.3	100.2	70.7	47.2	...
Madison	181.9	39.3	29.5	88.5	24.6	...
Pike	154.2	56.1	49.1	49.1	...	...
Wilkinson	324.1	56.4	98.6	155.0	14.1	...
All counties	2766.0	757.8	965.8	833.7	208.7	...

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

County	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
Adams	194.5	...	10.0	99.7	84.8	...
Amite	331.8	...	92.5	185.0	54.4	...
Claiborne	215.9	5.8	11.7	128.3	64.2	5.8
Copiah	348.2	4.8	53.2	212.8	77.4	...
Franklin	309.5	...	113.7	157.9	37.9	...
Hinds	206.8	...	24.3	146.0	36.5	...
Jefferson	239.7	5.8	23.4	116.9	93.5	...
Lincoln	259.4	...	41.3	176.9	41.3	...
Madison	181.9	9.8	39.3	113.0	19.7	...
Pike	154.2	7.0	21.0	49.1	77.1	...
Wilkinson	324.1	7.0	42.3	162.1	98.6	14.1
All counties	2766.0	40.4	472.6	1547.7	685.3	19.9

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

Forest type[1]	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
			Thousand acres			
Loblolly-shortleaf pine	767.8	97.5	43.8	162.5	...	464.0
Softwood total	767.8	97.5	43.8	162.5	...	464.0
Oak-pine	517.4	55.8	21.1	88.5	...	352.1
Oak-hickory	1088.5	27.7	41.1	180.4	...	839.2
Oak-gum-cypress	359.5	5.9	9.8	59.3	...	284.5
Elm-ash-cottonwood	32.8	...	5.0	...	...	27.9
Hardwood total	1998.2	89.5	76.9	328.1	...	1503.7
All types	2766.0	187.0	120.7	490.7	...	1967.7

[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, Southwest Mississippi, 1987*

Ownership class	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
			Thousand acres			
National forest	187.0	7.0	73.4	95.3	11.2	...
Other public	120.7	...	38.0	70.7	12.0	...
Forest industry	490.7	21.4	87.0	233.9	128.4	19.9
Other private	1967.7	11.9	274.2	1147.8	533.8	...
All ownerships	2766.0	40.4	472.6	1547.7	685.3	19.9

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

Forest type[1]	All classes	Stand-size class			Nonstocked[2] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Loblolly-shortleaf pine	767.8	505.9	73.8	188.1	...
Softwood total	767.8	505.9	73.8	188.1	...
Oak-pine	517.4	328.4	78.6	110.5	...
Oak-hickory	1088.5	573.1	273.7	234.7	7.0
Oak-gum-cypress	359.5	247.5	76.3	22.7	12.9
Elm-ash-cottonwood	32.8	22.9	5.0	5.0	...
Hardwood total	1998.2	1171.9	433.6	372.8	19.9
All types	2766.0	1677.8	507.4	561.0	19.9

[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.

[2] Timberland less than 16.7 percent stocked.

Table 10—*Number of live trees on timberland by species and diameter class, Southwest 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	922	...	...	...	316	44	199	155	110	42	40	15	...
Shortleaf-loblolly pine	290464	126533	65858	30638	19939	14564	10900	9099	5349	3575	2140	1817	50
Other yellow pines	2850	984	541	148	375	143	213	146	108	93	58	41	...
Cypress	1098	536	...	87	227	44	93	22	14	13	17	45	...
Other softwoods	7314	5017	451	654	569	180	132	185	48	57	21	...	...
Total softwoods	302647	133071	66850	31527	21426	14976	11536	9606	5630	3781	2277	1919	50
Select white oaks	46610	18560	12705	5594	3056	2298	1395	1124	607	474	321	429	47
Select red oaks	24364	8929	4988	2894	1812	1238	1083	848	876	511	398	643	143
Other white oaks	18315	6525	4445	2897	1667	1266	436	566	196	105	77	115	19
Other red oaks	136323	75103	22412	12730	7480	6338	3715	2907	2151	1253	882	1086	266
Hickory	58888	38818	9703	4203	1954	1063	1213	624	621	189	238	232	30
Hard maple	2802	2339	...	192	118	42	...	68	19	...	24	...	...
Soft maple	66108	45950	12662	4155	1860	670	444	247	86	10	8	16	...
Beech	11191	5047	2758	775	573	421	225	398	331	202	125	284	53
Sweetgum	312933	195485	61383	27133	13177	7158	3499	2326	1337	702	396	325	12
Tupelo-blackgum	67340	52324	5895	3939	2098	1007	1046	412	366	116	52	82	3
Ash	27104	19156	1550	2735	1581	545	581	387	231	201	107	27	3
Cottonwood-aspen	1684	...	993	...	70	29	57	45	115	116	81	132	46
Basswood	2058	1491	...	...	280	43	30	107	16	24	31	36	...
Yellow-poplar	18532	11578	2648	730	875	464	614	366	561	274	128	277	18
Black walnut	689	...	536	...	75	78	...	...	...	...	...	...	...
Other hardwoods	343032	234746	66583	21097	8884	5199	2322	2017	982	533	393	246	32
Total hardwoods	1137974	716052	209260	89073	45559	27859	16659	12442	8495	4710	3262	3930	673
Noncommercial	227542	171415	35679	13361	4850	1588	477	121	32	12	...	8	...
All species	1668163	1020538	311789	133960	71835	44423	28672	22169	14156	8502	5538	5857	723

Table 11—*Number of growing-stock trees on timberland by species and diameter class, Southwest 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	881	...	...	...	316	44	168	155	110	42	29	15	...
Shortleaf-loblolly pine	240410	93585	53595	28155	19309	14028	10410	8884	5153	3457	2061	1732	41
Other yellow pines	1647	541	...	...	375	92	213	126	108	93	58	41	...
Cypress	553	...	...	87	227	44	93	22	14	13	17	36	...
Other softwoods	5916	4031	451	471	525	110	132	93	48	43	12	...	...
Total softwoods	249406	98157	54045	28712	20752	14318	11016	9280	5433	3648	2178	1825	41
Select white oaks	27006	5489	8409	4685	2635	2076	1159	1086	520	373	239	327	8
Select red oaks	15087	2574	3552	2188	1645	1139	966	790	790	467	347	550	77
Other white oaks	10284	1525	2370	2614	1490	1113	345	432	167	68	57	98	4
Other red oaks	67425	25089	10471	10125	6359	5696	2859	2424	1779	1047	703	743	129
Hickory	25665	11785	5038	3610	1641	946	1072	492	504	180	199	175	23
Hard maple	931	646	...	90	73	42	...	68	...	...	11	...	...
Soft maple	16507	6526	5311	2785	1084	327	285	158	31	...	...	...	...
Beech	5320	2758	...	660	511	350	145	277	281	116	84	122	16
Sweetgum	150497	75501	28773	21670	11537	6181	2748	1931	1103	536	293	223	...
Tupelo-blackgum	20863	11520	2383	2860	1726	777	867	272	326	56	26	50	...
Ash	10245	3610	1550	2103	1206	545	428	326	188	162	96	27	3
Cottonwood-aspen	1128	...	457	...	70	29	57	45	115	116	81	112	46
Basswood	498	...	...	...	280	43	...	85	16	24	21	30	...
Yellow-poplar	13334	7331	2149	730	757	415	550	347	448	263	120	214	11
Black walnut	614	...	536	...	...	78	...	...	...	...	...	...	...
Other hardwoods	92581	39877	26067	12704	5672	3773	1512	1490	702	398	252	126	8
Total hardwoods	457984	194230	97066	66824	36687	23531	12993	10226	6968	3805	2529	2798	325
All species	707390	292386	151112	95535	57440	37849	24010	19507	12401	7454	4707	4623	367

Table 12—*Volume of growing stock on timberland by species and diameter class, Southwest 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	23.0	...	2.0	0.5	3.9	5.4	4.8	2.5	2.2	1.7	...
Shortleaf-loblolly pine	1698.2	77.4	136.8	192.6	229.6	287.3	229.1	198.8	153.3	184.7	8.5
Other yellow pines	30.3	...	2.5	1.0	4.7	3.8	4.6	5.9	3.5	4.3	...
Cypress	9.6	0.2	1.2	0.3	1.5	0.6	0.6	0.7	1.5	3.0	...
Other softwoods	11.9	0.9	2.5	0.9	2.1	1.8	1.5	1.7	0.5	...	...
Total softwoods	1773.0	78.5	145.0	195.3	241.7	298.9	240.6	209.6	161.1	193.8	8.5
Select white oaks	184.4	12.5	16.8	25.4	22.0	29.5	20.5	17.7	13.3	25.5	1.2
Select red oaks	202.9	6.3	10.3	12.6	18.5	21.5	29.6	23.5	20.6	48.7	11.2
Other white oaks	57.0	5.3	7.7	11.1	5.5	9.7	4.2	3.0	2.3	7.8	0.4
Other red oaks	466.7	28.8	39.4	63.6	51.2	60.6	59.9	46.0	39.5	57.8	19.8
Hickory	116.4	8.7	9.8	9.3	19.1	13.3	16.9	8.9	11.8	15.2	3.4
Hard maple	3.2	0.4	0.4	0.4	...	1.5	...	...	0.6	...	...
Soft maple	25.8	6.8	6.0	3.4	4.7	4.0	0.8	...	...	...	...
Beech	49.0	1.9	2.7	3.8	2.4	7.6	9.8	5.1	4.9	8.8	2.1
Sweetgum	410.4	50.0	69.3	70.6	53.5	54.2	44.0	27.9	20.0	20.8	...
Tupelo-blackgum	63.4	6.3	9.3	8.3	14.7	6.6	10.6	2.1	1.5	4.1	...
Ash	57.6	5.1	7.6	6.6	7.9	8.6	6.9	7.0	5.5	2.0	0.4
Cottonwood-aspen	43.7	...	0.7	0.6	1.2	1.3	5.1	6.2	5.7	12.0	10.8
Basswood	10.2	...	1.6	0.5	...	2.6	0.6	1.2	1.1	2.6	...
Yellow-poplar	100.7	1.7	5.3	6.4	11.6	11.2	19.1	14.2	8.3	21.0	1.8
Black walnut	1.0	...	...	1.0	...	...	...	...	...	...	...
Other hardwoods	241.8	32.6	33.4	42.6	25.8	38.6	25.5	18.3	13.9	10.1	1.0
Total hardwoods	2034.0	166.3	220.3	266.1	238.2	270.8	253.6	181.1	148.9	236.4	52.3
All species	3807.1	244.8	365.3	461.5	479.9	569.7	494.2	390.7	310.0	430.2	60.8

Table 13—*Volume of growing stock in the saw-log portion of sawtimber[1] trees on timberland by species and diameter class, Southwest 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	19.8	0.5	3.5	5.1	4.6	2.4	2.0	1.7	...
Shortleaf-loblolly pine	1349.0	154.4	206.9	266.5	214.2	184.6	142.8	171.4	8.1
Other yellow pines	25.9	0.5	4.3	3.6	4.3	5.7	3.4	4.0	...
Cypress	6.9	0.3	1.0	0.5	0.5	0.6	1.4	2.6	...
Other softwoods	7.4	0.7	1.7	1.6	1.5	1.4	0.5	...	...
Total softwoods	1409.0	156.3	217.5	277.3	225.2	194.7	150.1	179.7	8.1
Select white oaks	109.6	...	16.7	24.6	17.8	15.5	11.7	22.0	1.2
Select red oaks	151.3	...	13.6	18.7	26.0	20.8	18.5	43.4	10.3
Other white oaks	28.6	...	4.4	8.3	3.7	2.7	2.1	7.0	0.4
Other red oaks	287.2	...	37.8	51.5	52.1	41.1	34.7	51.7	18.3
Hickory	73.9	...	14.2	11.0	14.2	8.0	10.4	13.3	2.9
Hard maple	1.6	...	...	1.1	...	...	0.5	...	...
Soft maple	7.1	...	3.4	3.1	0.6	...	...	...	...
Beech	35.5	...	1.7	6.6	8.4	4.0	4.3	8.4	2.1
Sweetgum	182.3	...	36.9	44.4	38.8	24.9	18.8	18.6	...
Tupelo-blackgum	31.5	...	10.0	5.0	9.6	2.0	1.1	3.8	...
Ash	31.8	...	6.0	6.9	6.0	5.9	5.0	1.7	0.4
Cottonwood-aspen	38.4	...	0.9	1.1	4.6	5.6	5.0	11.1	10.1
Basswood	7.3	...	...	2.2	0.5	1.2	1.0	2.4	...
Yellow-poplar	76.4	...	8.5	9.3	16.9	12.9	7.9	19.0	1.8
Other hardwoods	111.1	...	18.9	31.4	22.6	16.2	12.1	9.0	0.9
Total hardwoods	1173.5	...	173.1	225.2	221.8	160.6	133.1	211.4	48.3
All species	2582.5	156.3	390.6	502.5	447.0	355.4	283.2	391.1	56.4

[1] That part of the bole of sawtimber trees between a 1-foot stump and 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, Southwest 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	126.4	2.7	21.3	32.3	29.6	15.2	13.9	11.4	...
Shortleaf-loblolly pine	8590.1	855.3	1252.3	1690.7	1390.9	1209.3	959.2	1176.1	56.2
Other yellow pines	164.0	2.5	25.8	21.2	26.8	39.1	21.9	26.8	...
Cypress	41.1	1.1	4.6	3.2	3.4	3.5	9.4	16.0	...
Other softwoods	41.8	3.6	9.8	9.0	8.4	8.5	2.6	...	...
Total softwoods	8963.4	865.2	1313.9	1756.4	1459.1	1275.6	1006.9	1230.2	56.2
Select white oaks	692.4	...	95.4	147.9	111.6	100.0	77.5	151.6	8.4
Select red oaks	954.0	...	75.9	109.9	159.2	133.0	120.6	288.5	66.9
Other white oaks	174.8	...	24.5	47.1	21.7	17.4	13.2	48.0	2.9
Other red oaks	1753.7	...	210.2	296.4	312.5	257.7	218.5	338.0	120.3
Hickory	463.1	...	79.8	64.3	89.8	50.3	68.9	89.0	20.9
Hard maple	10.2	...	...	6.9	...	...	3.2	...	...
Soft maple	43.3	...	19.9	19.8	3.6	...	...	...	...
Beech	225.8	...	9.8	40.3	53.6	26.7	28.2	55.8	11.4
Sweetgum	1097.4	...	206.2	262.2	237.2	152.0	120.2	119.6	...
Tupelo-blackgum	178.5	...	52.5	27.5	55.9	11.3	7.3	24.1	...
Ash	193.3	...	34.7	40.5	38.2	36.9	30.1	11.1	1.8
Cottonwood-aspen	250.5	...	5.5	6.8	29.9	34.1	32.8	73.8	67.5
Basswood	47.6	...	...	13.7	3.2	8.1	6.4	16.4	...
Yellow-poplar	476.6	...	49.0	58.5	104.0	81.8	48.5	123.9	10.8
Other hardwoods	672.2	...	108.1	186.9	138.1	101.9	75.4	56.8	5.0
Total hardwoods	7233.4	...	971.6	1328.7	1358.6	1011.1	850.8	1396.5	316.1
All species	16196.7	865.2	2285.5	3085.1	2817.6	2286.7	1857.7	2626.7	372.2

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

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						*Million board feet*					
Adams	259.9	...	44.5	0.7	128.2	86.5	1060.5	...	256.0	3.8	446.2	354.4
Amite	523.7	...	343.6	...	48.3	131.8	2271.1	...	1668.5	...	100.4	502.2
Claiborne	324.2	15.6	20.2	1.1	145.5	141.8	1410.2	95.4	114.4	3.3	564.4	632.8
Copiah	437.6	34.0	176.6	4.4	83.2	139.3	1797.4	139.2	859.9	16.7	254.4	527.1
Franklin	648.9	...	466.0	...	65.8	117.1	3240.2	...	2657.2	...	162.5	420.5
Hinds	287.2	8.0	70.7	2.8	75.0	130.7	1145.8	25.9	342.2	13.5	226.9	537.2
Jefferson	274.9	13.1	74.0	1.5	80.5	105.8	1086.1	67.1	387.4	3.8	250.4	377.5
Lincoln	277.6	6.1	139.6	...	61.1	70.7	1016.5	10.7	597.4	...	169.8	238.5
Madison	200.0	2.2	64.5	6.1	39.9	87.3	710.8	7.4	271.6	20.5	114.3	297.1
Pike	188.5	...	105.0	...	38.0	45.5	775.9	...	474.2	...	125.7	176.0
Wilkinson	384.6	3.9	163.9	4.9	100.8	111.2	1682.3	4.8	901.2	21.3	324.7	430.3
All counties	3807.1	82.9	1668.6	21.5	866.4	1167.7	16196.7	350.4	8530.1	82.9	2739.6	4493.8

[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 16—*Volume of timber on timberland by class of timber and species group, Southwest 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	2582.5	55.5	1339.2	14.3	449.5	724.1
Upper-stem portion	348.3	4.8	133.3	2.4	85.3	122.5
Total	2930.8	60.3	1472.5	16.7	534.8	846.5
Poletimber trees	876.2	22.6	196.2	4.8	331.6	321.1
All growing-stock trees	3807.1	82.9	1668.6	21.5	866.4	1167.7
Rough trees:						
Sawtimber size	278.0	2.9	40.3	2.5	81.2	151.1
Poletimber size	188.1	1.6	8.6	0.7	62.5	114.9
Total	466.1	4.5	48.9	3.1	143.7	265.9
Rotten trees:						
Sawtimber size	53.5	...	1.9	0.2	19.9	31.6
Poletimber size	4.1	...	...	...	2.5	1.6
Total	57.6	...	1.9	0.2	22.3	33.2
Salvable dead trees:						
Sawtimber size	14.7	...	10.2	...	3.2	1.2
Poletimber size	16.9	...	8.1	...	2.5	6.2
Total	31.5	...	18.3	...	5.8	7.4
All classes	4362.3	87.3	1737.8	24.8	1038.1	1474.3

[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, Southwest Mississippi, 1987*

Ownership class	Live trees						Growing stock					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet											
National forest	465.3	...	317.8	...	50.2	97.3	441.2	...	314.5	...	44.9	81.8
Other public	309.3	15.4	112.6	4.1	79.2	98.0	270.7	14.2	107.7	3.7	66.3	78.8
Forest industry	633.8	22.4	271.1	1.6	130.0	208.7	557.2	20.5	265.6	1.3	108.8	161.1
Other private	2922.4	49.5	1018.0	19.2	773.0	1062.8	2538.0	48.1	980.9	16.5	646.4	846.1
All ownerships	4330.8	87.3	1719.5	24.8	1032.4	1466.8	3807.1	82.9	1668.6	21.5	866.4	1167.7

[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, Southwest Mississippi, 1987*

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						*Million board feet*					
Adams	14.1	...	2.1	...	6.9	5.1	63.2	...	16.1	0.2	27.9	19.0
Amite	20.6	0.7	14.7	...	0.9	4.3	115.6	1.9	91.7	...	2.6	19.5
Claiborne	16.1	0.9	1.8	0.1	6.3	6.9	87.5	7.7	14.0	0.2	30.0	35.5
Copiah	24.9	1.4	12.4	0.3	4.2	6.6	110.9	3.3	65.8	0.4	13.7	27.7
Franklin	20.7	...	13.0	...	3.3	4.4	116.6	...	88.2	...	7.6	20.8
Hinds	12.2	0.5	2.3	...	3.0	6.3	60.9	1.7	16.4	0.5	12.2	30.2
Jefferson	13.9	...	4.2	0.1	4.1	5.4	66.1	0.2	29.2	0.2	14.4	22.2
Lincoln	14.5	0.5	8.6	...	2.4	3.0	70.0	3.1	44.5	-0.2	9.2	13.3
Madison	10.6	-0.1	5.4	0.1	0.6	4.6	42.9	0.6	22.9	0.1	1.6	17.7
Pike	10.4	...	6.9	...	1.0	2.5	55.0	...	38.5	...	7.2	9.3
Wilkinson	18.4	...	7.5	0.3	5.5	5.1	99.4	...	51.5	1.5	20.7	25.7
All counties	176.3	3.9	79.1	0.9	38.3	54.1	888.0	18.4	478.8	2.9	147.0	240.9

[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, Southwest Mississippi, 1987*

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						*Million board feet*					
Adams	8.7	...	2.0	...	3.7	2.9	34.0	...	11.2	...	14.0	8.8
Amite	16.9	...	14.7	...	0.6	1.6	79.8	...	70.7	...	2.6	6.5
Claiborne	8.7	1.4	5.1	...	1.7	0.5	41.6	6.0	26.4	...	6.8	2.4
Copiah	18.8	0.3	13.0	0.3	2.0	3.2	79.4	0.9	58.5	0.5	5.4	14.1
Franklin	18.7	...	15.8	...	1.6	1.3	94.9	...	85.7	...	3.9	5.4
Hinds	5.4	0.5	1.9	...	0.3	2.7	26.1	2.6	9.0	...	1.2	13.3
Jefferson	10.1	0.2	6.5	...	1.5	1.9	48.7	0.5	37.0	...	3.7	7.5
Lincoln	7.7	...	6.2	...	0.4	1.1	34.1	...	28.7	...	1.8	3.6
Madison	8.5	0.6	5.0	...	0.6	2.3	30.8	1.8	17.6	...	2.3	9.1
Pike	5.9	...	4.0	...	0.6	1.3	23.7	...	17.0	...	1.8	4.9
Wilkinson	16.9	...	9.7	0.4	3.8	3.0	81.9	...	53.5	1.5	13.2	13.7
All counties	126.4	3.0	84.0	0.7	16.9	21.9	575.2	11.9	415.3	2.0	56.8	89.2

[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, Southwest Mississippi, 1987*

Species	Growth	Removals
	Million cubic feet	
Yellow pines	82.9	87.0
Other softwoods	0.9	0.7
Total softwoods	83.9	87.6
Select white-red oaks	18.6	6.2
Other white-red oaks	24.2	10.8
Hickory	4.9	2.2
Hard maple	0.1	...
Sweetgum	16.7	7.5
Ash-walnut-black cherry	4.7	1.6
Yellow-poplar	6.0	2.3
Other hardwoods	17.2	8.0
Total hardwoods	92.4	38.7
All species	176.3	126.4

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

Species	Growth	Removals
	Million board feet	
Yellow pines	497.2	427.2
Other softwoods	2.9	2.0
Total softwoods	500.1	429.2
Select white-red oaks	89.7	26.2
Other white-red oaks	104.7	46.2
Hickory	21.6	8.6
Hard maple	0.4	...
Sweetgum	51.7	16.9
Ash-walnut-black cherry	15.5	4.6
Yellow-poplar	32.2	11.8
Other hardwoods	72.2	31.6
Total hardwoods	387.9	146.0
All species	888.0	575.2

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

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	19.4	73.6
Other softwoods	...	0.1
Total softwoods	19.4	73.7
Select white-red oaks	1.5	3.9
Other white-red oaks	3.2	7.8
Hickory	0.6	3.0
Sweetgum	3.5	8.5
Ash-walnut-black cherry	0.2	0.3
Yellow-poplar	0.4	1.9
Other hardwoods	3.4	8.2
Total hardwoods	12.8	33.7
All species	32.2	107.4

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

Ownership class	Growth						Removals					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet											
National forest	11.8	...	6.7	...	2.6	2.4	13.2	...	12.2	0.1	0.4	0.5
Other public	8.3	...	4.0	...	2.1	2.3	1.5	...	0.4	...	...	1.1
Forest industry	31.6	0.8	17.5	0.1	5.2	7.9	31.1	0.2	21.0	0.4	5.3	4.3
Other private	124.5	3.1	50.9	0.8	28.4	41.5	80.6	2.9	50.4	0.2	11.1	16.0
All ownerships	176.3	3.9	79.1	0.9	38.3	54.1	126.4	3.0	84.0	0.7	16.9	21.9

[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, Southwest Mississippi, 1987*

Ownership class	Growth						Removals					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million board feet											
National forest	64.9	...	46.9	0.1	6.4	11.6	73.0	...	69.7	0.3	1.8	1.2
Other public	49.3	...	26.7	...	10.5	12.0	3.9	...	1.2	...	...	2.7
Forest industry	165.4	3.2	100.4	0.6	23.1	38.0	140.2	0.5	104.1	1.5	14.4	19.7
Other private	608.5	15.1	304.8	2.2	107.0	179.3	358.1	11.4	240.3	0.3	40.6	65.6
All ownerships	888.0	18.4	478.8	2.9	147.0	240.9	575.2	11.9	415.3	2.0	56.8	89.2

[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, Southwest Mississippi, 1987*

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4
			Million board feet		
Yellow pines	8880.5	1516.2	1638.2	5726.1	...
Cypress	41.1	11.0	13.4	16.7	...
Redcedar	41.8	41.8	...	...	...
Total softwoods	8963.4	1569.0	1651.6	5742.8	...
Select white-red oaks	1646.3	185.3	441.8	687.2	332.1
Other white-red oaks	1928.6	22.9	229.9	782.7	893.0
Hickory	463.1	37.4	87.2	257.2	81.3
Hard maple	10.2	...	...	6.0	4.2
Sweetgum	1097.4	78.2	205.3	611.8	202.0
Tupelo and blackgum	178.5	9.0	55.1	102.3	12.1
Ash-walnut-black cherry	269.2	41.5	54.5	147.1	26.0
Yellow-poplar	476.6	40.9	119.8	244.5	71.5
Other hardwoods	1163.5	153.2	276.5	457.1	276.7
Total hardwoods	7233.4	568.3	1470.3	3295.7	1899.0
All species	16196.7	2137.3	3121.9	9038.5	1899.0

Supplemental Tables 26–36

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

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
			Thousand acres			
1-10	90.7	73.2	17.7	45.5	38.5	92.9
11-20	18.8	28.6	...	4.8	...	...
21-30	15.8	7.0	...	...	...	...
31-40	...	24.2	4.8	5.8	...	17.5
41-50	11.7	37.4	...	4.8	4.8	17.8
>50	...	...	...	6.1	...	6.1
Mixed	4.9	455.6	5.9	421.9	...	1303.2
Total	141.9	625.9	28.4	489.0	43.3	1437.4

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Adams	45.2	...	8.4	16.7	20.1	...	...
Amite	343.6	...	270.7	42.6	27.9	2.4	...
Claiborne	36.9	15.6	...	5.8	15.5	...	...
Copiah	215.0	27.7	89.0	62.0	23.1	13.2	...
Franklin	466.0	...	360.9	86.3	17.9	1.0	...
Hinds	81.5	8.0	39.8	15.2	17.4	1.3	...
Jefferson	88.6	12.4	36.4	18.3	19.8	1.7	...
Lincoln	145.7	1.2	71.3	53.1	16.3	3.8	...
Madison	72.8	2.2	38.2	26.5	3.0	2.8	...
Pike	105.0	...	65.3	32.7	7.1	...	...
Wilkinson	172.6	3.9	66.6	81.6	13.3	6.8	0.5
All counties	1773.0	71.0	1046.6	440.7	181.2	33.1	0.5

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypresss	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Adams	214.7	...	3.2	12.7	127.9	29.0	42.0
Amite	180.1	...	38.0	27.3	81.4	33.4	...
Claiborne	287.3	0.6	...	0.2	201.6	84.9	...
Copiah	222.6	3.3	11.3	46.3	82.0	79.7	...
Franklin	182.9	...	59.3	56.5	44.8	22.3	...
Hinds	205.7	0.6	15.3	19.8	110.0	59.9	...
Jefferson	186.4	1.2	5.9	12.9	114.1	36.9	15.3
Lincoln	131.9	...	11.4	33.7	59.7	27.0	...
Madison	127.2	...	3.1	20.3	29.2	74.5	...
Pike	83.5	...	3.7	46.7	28.9	4.3	...
Wilkinson	212.0	2.4	7.0	44.4	108.3	36.2	13.7
All counties	2034.0	8.1	158.1	320.9	987.8	488.2	71.0

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypresss	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Adams	40.1	...	7.6	14.2	18.3	...	...
Amite	267.8	...	212.1	29.3	24.0	2.3	...
Claiborne	33.0	14.9	...	5.4	12.7	...	...
Copiah	163.5	15.8	70.0	48.3	19.9	9.5	...
Franklin	403.7	...	312.2	75.4	15.1	1.0	...
Hinds	61.1	4.3	31.5	12.5	11.7	1.1	...
Jefferson	72.2	10.2	28.2	17.0	15.6	1.2	...
Lincoln	100.3	...	43.2	41.6	11.9	3.7	...
Madison	49.8	1.2	25.4	18.7	2.2	2.2	...
Pike	74.0	...	42.6	26.6	4.8	...	...
Wilkinson	143.4	1.1	56.5	69.9	10.4	5.3	0.3
All counties	1409.0	47.5	829.2	358.9	146.7	26.4	0.3

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypresss	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Adams	126.8	...	2.4	6.0	74.4	15.7	28.3
Amite	99.7	...	19.5	11.3	48.3	20.7	...
Claiborne	191.7	...	...	...	140.4	51.3	...
Copiah	128.1	1.3	3.1	22.8	48.6	52.3	...
Franklin	94.5	...	22.5	35.5	18.6	17.9	...
Hinds	122.8	0.6	4.5	9.1	68.1	40.6	...
Jefferson	102.7	0.8	2.5	6.6	62.6	19.5	10.7
Lincoln	68.0	...	3.4	12.6	32.2	19.8	...
Madison	67.1	...	1.2	5.4	16.0	44.4	...
Pike	50.1	...	0.4	28.2	17.7	3.7	...
Wilkinson	122.0	1.9	1.9	18.0	63.3	25.1	11.8
All counties	1173.5	4.6	61.4	155.6	590.2	311.0	50.8

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

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Adams	305.3	45.2	214.7	0.5	37.4	0.7	6.7
Amite	581.9	343.6	180.1	9.9	40.8	...	7.4
Claiborne	393.6	36.9	287.3	3.8	60.0	...	5.6
Copiah	492.8	215.0	222.6	9.0	38.2	...	8.0
Franklin	701.5	466.0	182.9	8.6	34.3	1.2	8.5
Hinds	328.7	81.5	205.7	4.6	34.8	...	2.1
Jefferson	324.7	88.6	186.4	3.4	41.0	0.2	5.2
Lincoln	305.6	145.7	131.9	3.0	21.4	...	3.7
Madison	236.9	72.8	127.2	5.3	28.9	...	2.7
Pike	217.2	105.0	83.5	4.2	23.6	...	0.9
Wilkinson	442.7	172.6	212.0	4.2	49.1	...	4.7
All counties	4330.8	1773.0	2034.0	56.5	409.6	2.1	55.5

Table 32—*Number of live trees on timberland by detailed species and diameter class, Southwest 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	564	...	...	...	147	44	103	114	89	30	29	7	...
Slash pine	358	...	...	...	169	...	96	41	21	12	11	9	...
Shortleaf pine	62471	26850	12339	6604	6531	4131	2891	1663	807	454	134	66	...
Loblolly pine	227993	99684	53519	24034	13408	10434	8008	7436	4542	3121	2006	1751	50
Spruce pine	2850	984	541	148	375	143	213	146	108	93	58	41	...
Redcedar	7314	5017	451	654	569	180	132	185	48	57	21	...	...
Cypress	1098	536	...	87	227	44	93	22	14	13	17	45	...
Total softwoods	302647	133071	66850	31527	21426	14976	11536	9606	5630	3781	2277	1919	50
Select white oaks	46610	18560	12705	5594	3056	2298	1395	1124	607	474	321	429	47
Select red oaks	24364	8929	4988	2894	1812	1238	1083	848	876	511	398	643	143
Other white oaks	18315	6525	4445	2897	1667	1266	436	566	196	105	77	115	19
Other red oaks	136323	75103	22412	12730	7480	6338	3715	2907	2151	1253	882	1086	266
Sweet pecan	3932	2794	...	509	176	99	79	55	69	32	45	49	24
Water hickory	353	...	...	98	136	49	25	...	18	...	9	13	4
Other hickories	54604	36024	9703	3595	1643	915	1109	569	534	156	183	170	2
Persimmon	20369	18383	1075	584	188	115	23	...	...	...	...	...	...
Hard maple	2802	2339	...	192	118	42	...	68	19	...	24	...	...
Soft maple	52157	37935	10219	2576	915	198	164	61	55	10	8	16	...
Boxelder	13951	8016	2443	1578	945	472	280	186	31	...	...	...	...
Beech	11191	5047	2758	775	573	421	225	398	331	202	125	284	53
Sweetgum	312933	195485	61383	27133	13177	7158	3499	2326	1337	702	396	325	12
Blackgum	58028	45832	5452	3402	1294	672	654	331	196	91	33	68	3
Other gums/tupelos	9312	6492	443	537	805	335	391	81	170	25	19	14	...
White ash	9121	6231	1015	850	332	229	112	114	96	66	64	10	...
Other ashes	17984	12925	535	1885	1249	316	469	272	135	135	43	17	3
Sycamore	6610	1801	978	1682	807	499	248	272	97	130	24	69	4
Cottonwood	1684	...	993	...	70	29	57	45	115	116	81	132	46
Basswood	2058	1491	...	...	280	43	30	107	16	24	31	36	...
Yellow-poplar	18532	11578	2648	730	875	464	614	366	561	274	128	277	18
Magnolia	10807	5909	3419	510	328	120	140	86	138	61	66	19	12
Sweetbay	6100	3860	1608	221	126	78	35	96	31	26	13	7	...
Willow	7829	3982	2522	687	99	268	72	79	32	33	37	15	4
Black walnut	689	...	536	...	75	78	...	...	...	...	...	...	...
Black cherry	33978	25316	4373	2073	834	675	229	279	108	52	40	...	...
American elm	15146	6636	4154	1632	1003	653	414	305	182	102	25	34	6
Other elms	79138	58384	14324	3534	1494	639	299	258	111	15	41	36	4
River birch	688	646	...	...	...	...	...	42	...	...	...	...	...
Hackberry	18368	6730	4346	2722	1885	1243	627	396	189	103	95	28	3
Black locust	7503	6773	...	268	177	270	...	...	15	...	...	...	...
Other locusts	1364	...	646	269	64	247	34	40	18	11	24	11	...
Sassafras	7071	4333	1973	215	273	129	...	83	15	...	29	21	...
Dogwood	112129	81287	24495	5594	585	86	66	...	15	...	...	...	...
Holly	7731	4961	1575	700	320	39	55	43	31	...	...	7	...
Other commercial	8202	5744	1093	405	700	140	80	40	...	...	...	...	...
Total hardwoods	1137974	716052	209260	89073	45559	27859	16659	12442	8495	4710	3262	3930	673
Noncommercial	227542	171415	35679	13361	4850	1588	477	121	32	12	...	8	...
All species	1668163	1020538	311789	133960	71835	44423	28672	22169	14156	8502	5538	5857	723

Table 33–*Number of growing-stock trees on timberland by detailed species and diameter class, Southwest 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
	Thousand trees										
Longleaf pine	553	...	147	44	103	114	89	30	18	7	...
Slash pine	328	...	169	...	65	41	21	12	11	9	...
Shortleaf pine	22622	6097	6531	4056	2867	1640	776	454	134	66	...
Loblolly pine	70607	22058	12778	9972	7543	7244	4377	3003	1927	1666	41
Spruce pine	1106	...	375	92	213	126	108	93	58	41	...
Redcedar	1435	471	525	110	132	93	48	43	12	...	...
Cypress	553	87	227	44	93	22	14	13	17	36	...
Total softwoods	97204	28712	20752	14318	11016	9280	5433	3648	2178	1825	41
Select white oaks	13109	4685	2635	2076	1159	1086	520	373	239	327	8
Select red oaks	8961	2188	1645	1139	966	790	790	467	347	550	77
Other white oaks	6389	2614	1490	1113	345	432	167	68	57	98	4
Other red oaks	31864	10125	6359	5696	2859	2424	1779	1047	703	743	129
Sweet pecan	843	404	126	99	56	...	55	32	28	24	20
Water hickory	353	98	136	49	25	...	18	...	9	13	4
Other hickories	7647	3108	1380	798	991	492	431	147	162	138	...
Persimmon	613	393	83	115	23	...	...	...	...	...	...
Hard maple	285	90	73	42	...	68	...	...	11	...	...
Soft maple	2769	1887	668	98	85	16	15	...	...	...	...
Boxelder	1901	898	416	229	200	143	16	...	...	...	...
Beech	2563	660	511	350	145	277	281	116	84	122	16
Sweetgum	46223	21670	11537	6181	2748	1931	1103	536	293	223	...
Blackgum	4718	2323	922	442	545	207	170	43	17	50	...
Other gums/tupelos	2242	537	805	335	322	65	156	14	9	...	...
White ash	1568	590	332	229	112	94	84	52	64	10	...
Other ashes	3517	1513	874	316	316	233	103	110	32	17	3
Sycamore	3310	1509	737	374	197	224	82	104	24	59	...
Cottonwood	671	...	70	29	57	45	115	116	81	112	46
Basswood	498	...	280	43	...	85	16	24	21	30	...
Yellow-poplar	3853	730	757	415	550	347	448	263	120	214	11
Magnolia	1262	510	328	120	55	63	89	51	33	10	4
Sweetbay	380	96	126	37	35	27	31	15	13	...	...
Willow	1074	554	99	190	72	60	32	33	26	8	...
Black walnut	78	...	...	78	...	...	...	...	...	...	...
Black cherry	3033	1500	554	506	113	197	108	25	31	...	...
American elm	2663	919	432	450	332	290	133	80	9	14	4
Other elms	4737	2205	1350	603	268	200	83	...	28	...	...
River birch	42	...	...	...	...	42	...	...	...	...	...
Hackberry	4670	1487	1370	905	363	299	96	78	57	14	...
Black locust	351	151	52	149	...	...	...	...	...	...	...
Other locusts	250	90	...	119	...	...	18	11	11	...	...
Sassafras	473	123	102	129	...	62	15	...	20	21	...
Dogwood	2612	2498	99	...	...	...	15	...	...	...	...
Holly	804	586	99	39	55	26	...	...	...	...	...
Other commercial	363	84	242	37	...	...	...	...	...	...	...
Total hardwoods	166688	66824	36687	23531	12993	10226	6968	3805	2529	2798	325
All species	263892	95535	57440	37849	24010	19507	12401	7454	4707	4623	367

Table 34—*Volume of growing-stock trees on timberland by species and diameter class, Southwest 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	14.3	...	1.0	0.5	2.2	3.4	3.8	1.6	1.2	0.7	...
Slash pine	8.7	...	1.1	...	1.7	2.0	1.0	0.9	1.0	1.1	...
Shortleaf pine	344.8	20.3	54.0	62.4	66.7	57.8	37.5	27.6	11.0	7.5	...
Loblolly pine	1353.3	57.1	82.7	130.2	162.9	229.5	191.6	171.2	142.3	177.2	8.5
Spruce pine	30.3	...	2.5	1.0	4.7	3.8	4.6	5.9	3.5	4.3	...
Redcedar	11.9	0.9	2.5	0.9	2.1	1.8	1.5	1.7	0.5	...	...
Cypress	9.6	0.2	1.2	0.3	1.5	0.6	0.6	0.7	1.5	3.0	...
Total softwoods	1773.0	78.5	145.0	195.3	241.7	298.9	240.6	209.6	161.1	193.8	8.5
Select white oaks	184.4	12.5	16.8	25.4	22.0	29.5	20.5	17.7	13.3	25.5	1.2
Select red oaks	202.9	6.3	10.3	12.6	18.5	21.5	29.6	23.5	20.6	48.7	11.2
Other white oaks	57.0	5.3	7.7	11.1	5.5	9.7	4.2	3.0	2.3	7.8	0.4
Other red oaks	466.7	28.8	39.4	63.6	51.2	60.6	59.9	46.0	39.5	57.8	19.8
Sweet pecan	14.2	0.8	0.6	0.8	1.0	...	1.9	1.7	2.1	2.5	2.8
Water hickory	5.2	0.2	0.8	0.6	0.5	...	0.6	...	0.6	1.3	0.7
Other hickories	97.0	7.7	8.5	7.9	17.6	13.3	14.5	7.1	9.1	11.4	...
Persimmon	3.3	1.2	0.4	1.4	0.4	...	...	...	...	...	...
Hard maple	3.2	0.4	0.4	0.4	...	1.5	...	...	0.6	...	...
Soft maple	10.7	4.4	3.3	0.9	1.2	0.4	0.5	...	...	...	...
Boxelder	15.1	2.4	2.8	2.5	3.5	3.6	0.3	...	...	...	...
Beech	49.0	1.9	2.7	3.8	2.4	7.6	9.8	5.1	4.9	8.8	2.1
Sweetgum	410.4	50.0	69.3	70.6	53.5	54.2	44.0	27.9	20.0	20.8	...
Blackgum	42.7	4.8	5.2	4.8	9.4	5.4	6.4	1.6	1.1	4.1	...
Other gums/tupelos	20.7	1.5	4.1	3.4	5.3	1.2	4.3	0.5	0.4	...	...
White ash	21.6	1.4	2.0	2.6	2.6	2.9	3.2	2.5	3.6	0.9	...
Other ashes	36.0	3.6	5.6	4.0	5.3	5.7	3.7	4.5	2.0	1.2	0.4
Sycamore	42.8	6.0	5.4	5.0	3.5	7.2	3.3	5.2	1.9	5.3	...
Cottonwood	43.7	...	0.7	0.6	1.2	1.3	5.1	6.2	5.7	12.0	10.8
Basswood	10.2	...	1.6	0.5	...	2.6	0.6	1.2	1.1	2.6	...
Yellow-poplar	100.7	1.7	5.3	6.4	11.6	11.2	19.1	14.2	8.3	21.0	1.8
Magnolia	14.8	1.2	1.9	1.1	0.9	1.4	3.3	2.5	1.6	0.6	0.5
Sweetbay	5.8	0.4	1.0	0.5	0.6	0.8	1.5	0.6	0.6	...	...
Willow	11.1	1.3	0.2	2.1	1.2	1.4	1.2	1.4	1.7	0.6	...
Black walnut	1.0	...	...	1.0	...	...	...	...	...	...	...
Black cherry	27.3	3.8	3.1	5.8	2.1	5.2	4.4	1.4	1.5	...	...
American elm	34.0	2.3	2.2	5.2	6.2	7.7	5.0	3.3	0.5	1.1	0.5
Other elms	32.8	4.8	7.4	6.6	4.7	5.1	2.8	...	1.3	...	...
River birch	0.9	...	...	...	...	0.9	...	...	...	...	...
Hackberry	46.0	4.1	9.1	9.6	5.6	7.4	2.8	3.5	3.1	0.8	...
Black locust	2.8	0.7	0.4	1.6	...	...	...	...	...	...	...
Other locusts	3.4	0.5	...	1.3	...	...	0.5	0.5	0.6	...	...
Sassafras	6.7	0.1	0.7	1.6	...	1.1	0.5	...	1.1	1.7	...
Dogwood	5.5	4.9	0.3	...	...	...	0.3	...	...	...	...
Holly	3.0	1.0	0.3	0.4	0.8	0.5	...	...	...	...	...
Other commercial	1.6	0.4	0.9	0.3	...	...	...	...	...	...	...
Total hardwoods	2034.0	166.3	220.3	266.1	238.2	270.8	253.6	181.1	148.9	236.4	52.3
All species	3807.1	244.8	365.3	461.5	479.9	569.7	494.2	390.7	310.0	430.2	60.8

Table 35—*Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Southwest 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	12.6	0.5	2.0	3.2	3.7	1.5	1.1	0.7	...
Slash pine	7.2	...	1.5	1.8	1.0	0.9	0.9	1.0	...
Shortleaf pine	243.7	50.3	60.9	54.5	35.0	25.8	10.5	6.7	...
Loblolly pine	1105.3	104.1	146.1	212.0	179.2	158.8	132.3	164.7	8.1
Spruce pine	25.9	0.5	4.3	3.6	4.3	5.7	3.4	4.0	...
Redcedar	7.4	0.7	1.7	1.6	1.5	1.4	0.5	...	...
Cypress	6.9	0.3	1.0	0.5	0.5	0.6	1.4	2.6	...
Total softwoods	1409.0	156.3	217.5	277.3	225.2	194.7	150.1	179.7	8.1
Select white oaks	109.6	...	16.7	24.6	17.8	15.5	11.7	22.0	1.2
Select red oaks	151.3	...	13.6	18.7	26.0	20.8	18.5	43.4	10.3
Other white oaks	28.6	...	4.4	8.3	3.7	2.7	2.1	7.0	0.4
Other red oaks	287.2	...	37.8	51.5	52.1	41.1	34.7	51.7	18.3
Sweet pecan	10.4	...	0.7	...	1.5	1.6	1.9	2.2	2.4
Water hickory	3.4	...	0.5	...	0.5	...	0.6	1.3	0.5
Other hickories	60.1	...	12.9	11.0	12.2	6.3	7.9	9.7	...
Persimmon	0.3	...	0.3	...	...	...	...	...	...
Hard maple	1.6	...	...	1.1	...	...	0.5	...	...
Soft maple	1.5	...	0.9	0.2	0.4	...	...	...	...
Boxelder	5.6	...	2.5	2.9	0.2	...	...	...	...
Beech	35.5	...	1.7	6.6	8.4	4.0	4.3	8.4	2.1
Sweetgum	182.3	...	36.9	44.4	38.8	24.9	18.8	18.6	...
Blackgum	22.5	...	6.6	4.0	5.8	1.5	0.8	3.8	...
Other gums/tupelos	9.0	...	3.4	1.0	3.8	0.5	0.2	...	...
White ash	12.9	...	1.9	2.4	2.8	2.0	3.1	0.6	...
Other ashes	19.0	...	4.1	4.5	3.2	3.9	1.9	1.1	0.4
Sycamore	22.3	...	2.5	5.9	3.0	4.7	1.7	4.7	...
Cottonwood	38.4	...	0.9	1.1	4.6	5.6	5.0	11.1	10.1
Basswood	7.3	...	...	2.2	0.5	1.2	1.0	2.4	...
Yellow-poplar	76.4	...	8.5	9.3	16.9	12.9	7.9	19.0	1.8
Magnolia	9.3	...	0.6	1.2	3.0	2.1	1.4	0.6	0.4
Sweetbay	3.2	...	0.4	0.6	1.3	0.5	0.5	...	...
Willow	6.4	...	0.9	1.3	1.0	1.2	1.5	0.5	...
Black cherry	12.1	...	1.4	4.3	4.0	1.2	1.2	...	...
American elm	19.9	...	4.8	6.1	4.3	3.0	0.5	0.8	0.4
Other elms	11.6	...	3.6	4.4	2.5	...	1.1	...	...
River birch	0.8	...	...	0.8	...	...	...	...	...
Hackberry	18.3	...	3.9	5.6	2.3	3.0	2.6	0.8	...
Other locusts	1.6	...	...	...	0.5	0.5	0.6	...	...
Sassafras	4.0	...	...	1.0	0.4	...	1.0	1.7	...
Dogwood	0.3	...	...	...	0.3	...	...	...	...
Holly	1.0	...	0.5	0.4	...	...	...	...	...
Total hardwoods	1173.5	...	173.1	225.2	221.8	160.6	133.1	211.4	48.3
All species	2582.5	156.3	390.6	502.5	447.0	355.4	283.2	391.1	56.4

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

Species	All live	Growing stock	Rough	Rotten
		Million cubic feet		
Longleaf pine	14.9	14.3	...	0.6
Slash pine	9.3	8.7	0.6	...
Shortleaf pine	348.5	344.8	3.7	...
Loblolly pine	1402.3	1353.3	47.6	1.3
Spruce pine	31.8	30.3	1.5	...
Redcedar	14.9	11.9	2.8	0.2
Cypress	10.0	9.6	0.4	...
Total softwoods	1831.6	1773.0	56.5	2.1
Select white oaks	210.5	184.4	21.6	4.5
Select red oaks	227.6	202.9	20.7	4.1
Other white oaks	65.4	57.0	8.0	0.4
Other red oaks	563.3	466.7	82.5	14.1
Sweet pecan	18.2	14.2	3.9	...
Water hickory	5.2	5.2	...	...
Other hickories	109.2	97.0	11.2	1.0
Persimmon	4.0	3.3	0.7	...
Hard maple	4.8	3.2	1.6	...
Soft maple	17.0	10.7	5.8	0.5
Boxelder	23.1	15.1	7.6	0.4
Beech	68.8	49.0	13.6	6.3
Sweetgum	474.4	410.4	55.0	9.0
Blackgum	57.1	42.7	13.5	0.9
Other gums/tupelos	22.9	20.7	1.3	0.9
White ash	23.8	21.6	1.7	0.4
Other ashes	42.7	36.0	6.6	0.1
Sycamore	49.5	42.8	5.9	0.8
Cottonwood	45.4	43.7	...	1.7
Basswood	11.6	10.2	1.2	0.2
Yellow-poplar	112.5	100.7	9.3	2.6
Magnolia	19.6	14.8	4.5	0.4
Sweetbay	8.2	5.8	1.6	0.8
Willow	13.3	11.1	1.0	1.2
Black walnut	1.4	1.0	0.5	...
Black cherry	34.7	27.3	6.4	1.0
American elm	44.8	34.0	10.4	0.3
Other elms	41.2	32.8	7.2	1.3
River birch	0.9	0.9	...	...
Hackberry	64.1	46.0	17.4	0.7
Black locust	4.6	2.8	1.2	0.5
Other locusts	6.4	3.4	2.9	0.1
Sassafras	8.2	6.7	1.3	0.2
Dogwood	11.9	5.5	5.9	0.4
Holly	5.5	3.0	2.2	0.2
Other commercial	5.4	1.6	3.3	0.5
Total hardwoods	2427.3	2034.0	337.7	55.5
Noncommercial	71.9	...	71.9	...
All species	4330.8	3807.1	466.1	57.6

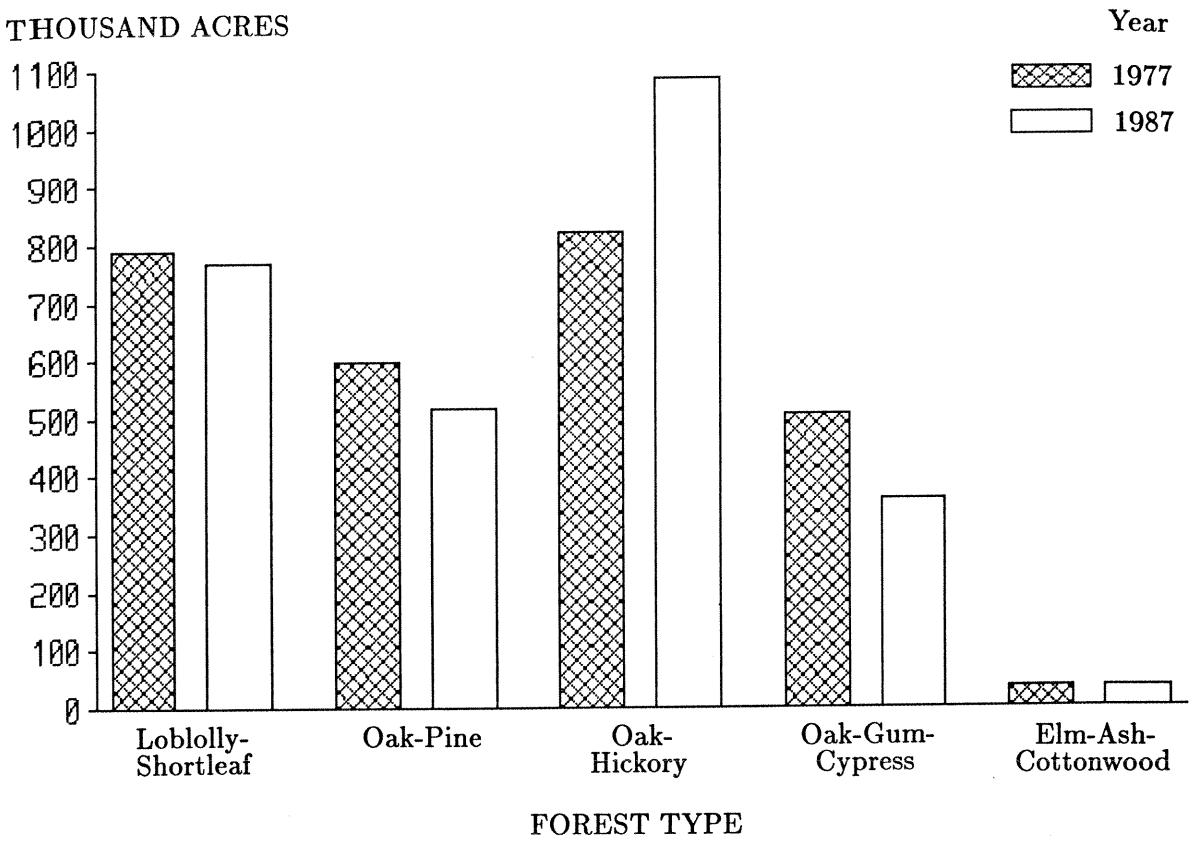

Figure 1.—*Area of timberland by forest type, Southwest Mississippi, 1977 and 1987.*

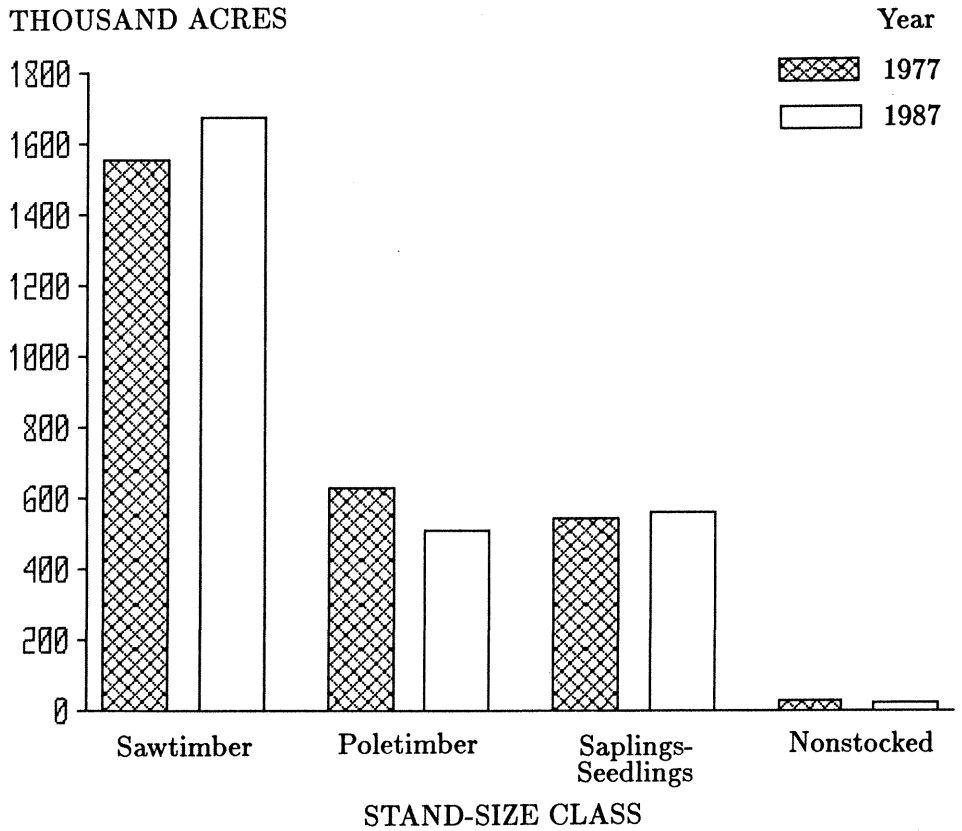

Figure 2.—*Area of timberland by stand-size class, Southwest Mississippi, 1977 and 1987.*

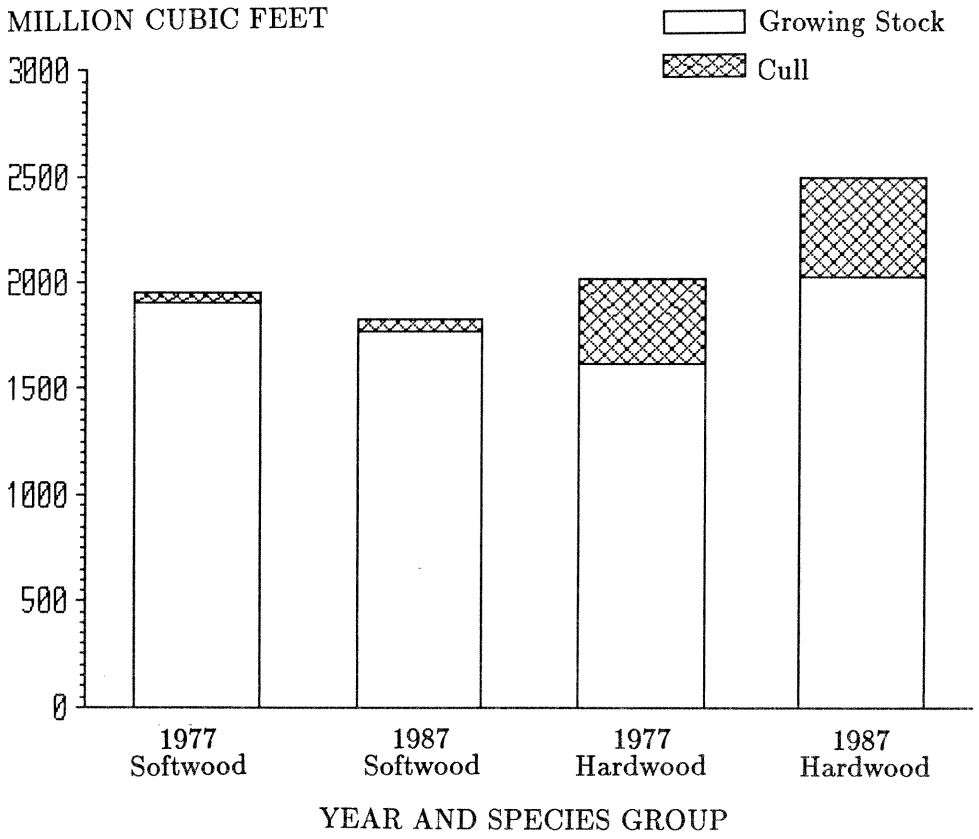

Figure 3.—*Volume of timber on timberland by species group and class of timber, Southwest Mississippi, 1977 and 1987.*

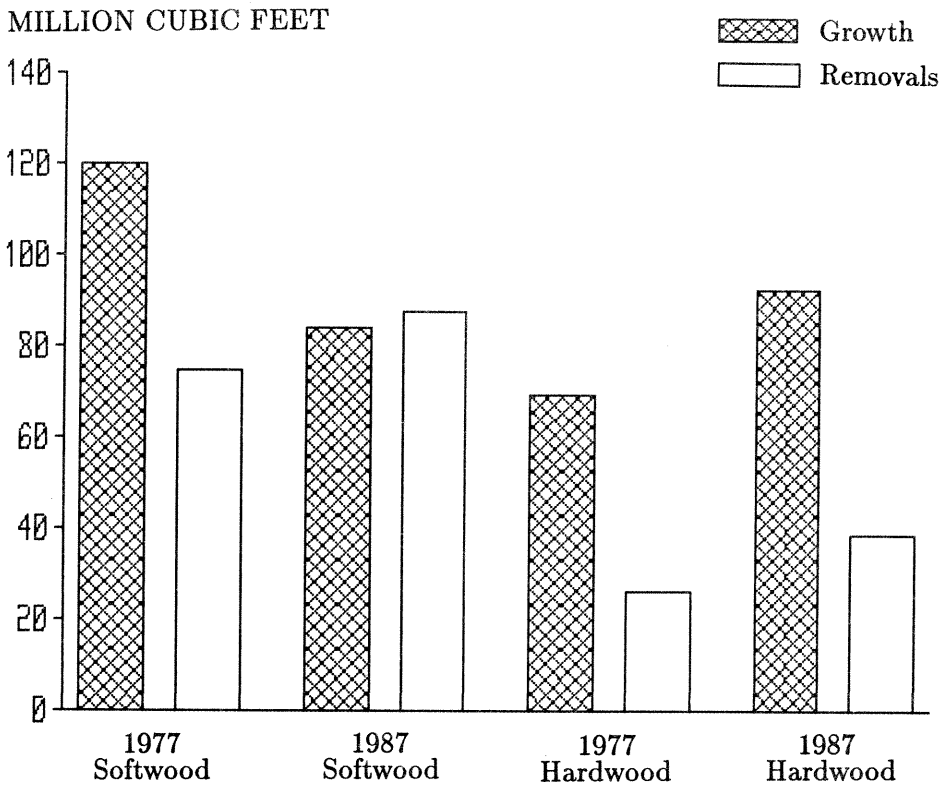

Figure 4.—*Average net annual growth and average annual removals of growing stock on timberland by species group, Southwest Mississippi, 1977 and 1987.*

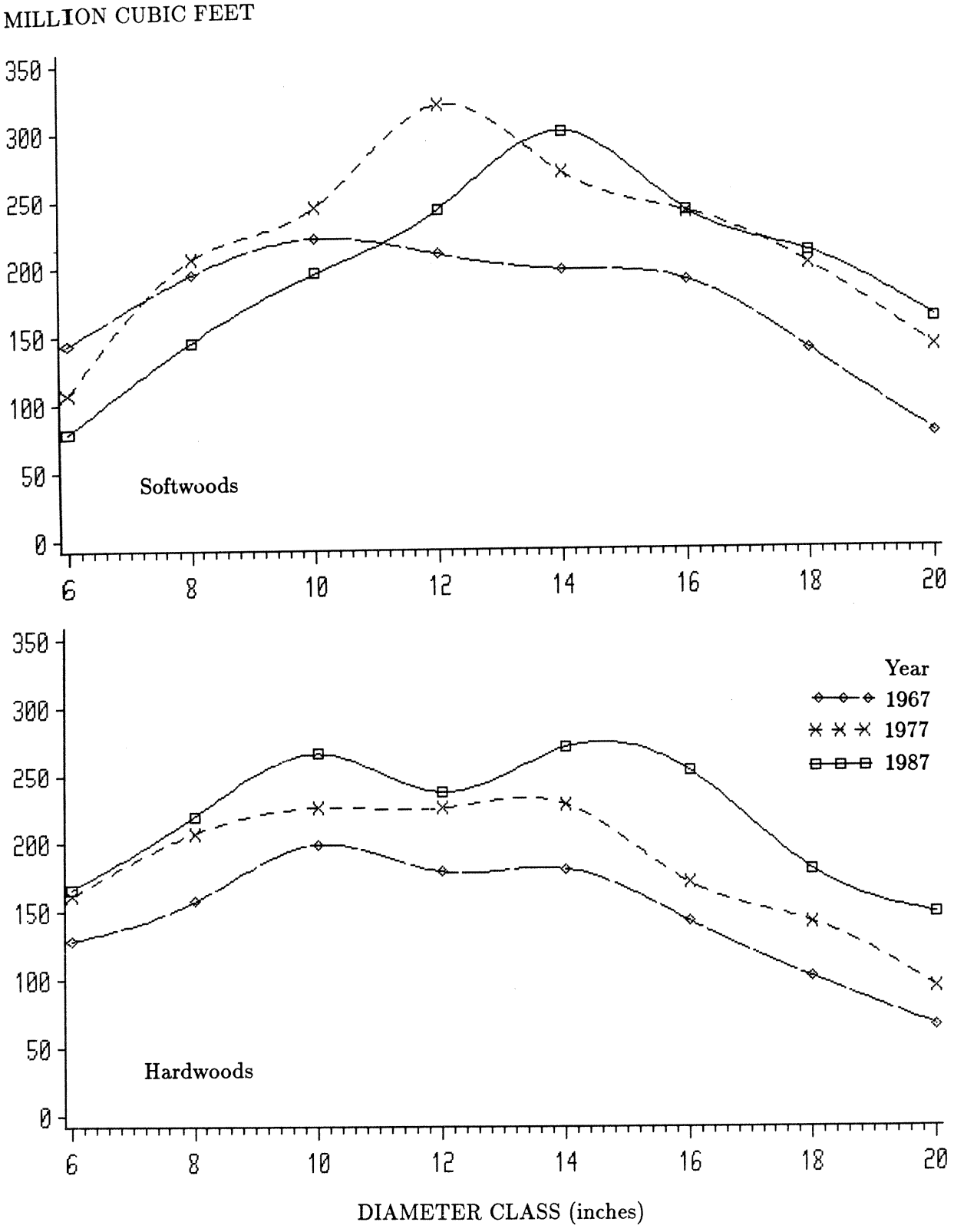

Figure 5.— *Volume of softwood and hardwood growing stock on timberland by diameter class, Southwest Mississippi, 1967, 1977, and 1987.*

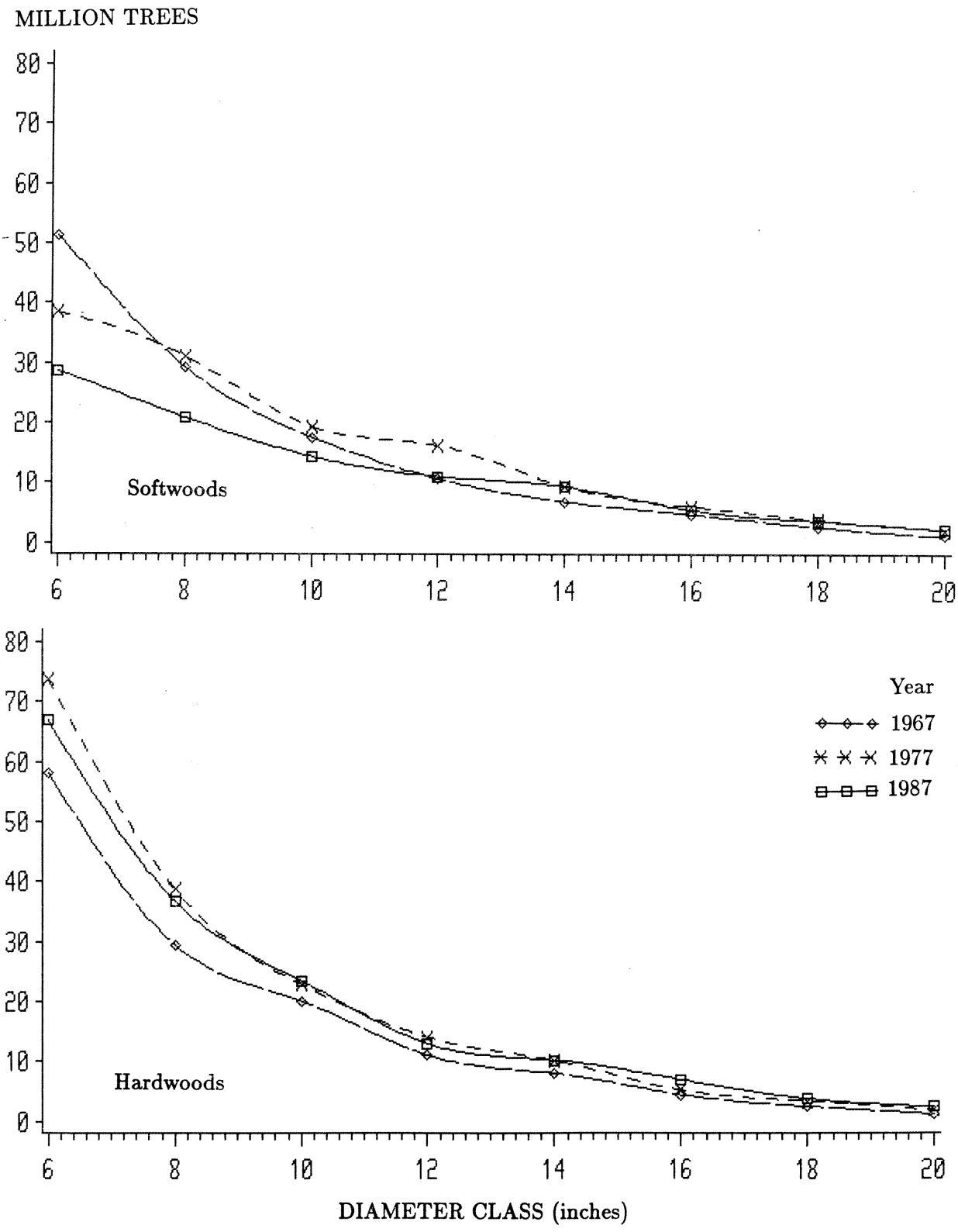

Figure 6.—*Number of softwood and hardwood growing stock trees on timberland by diameter class, Southwest Mississippi, 1967, 1977, and 1987.*

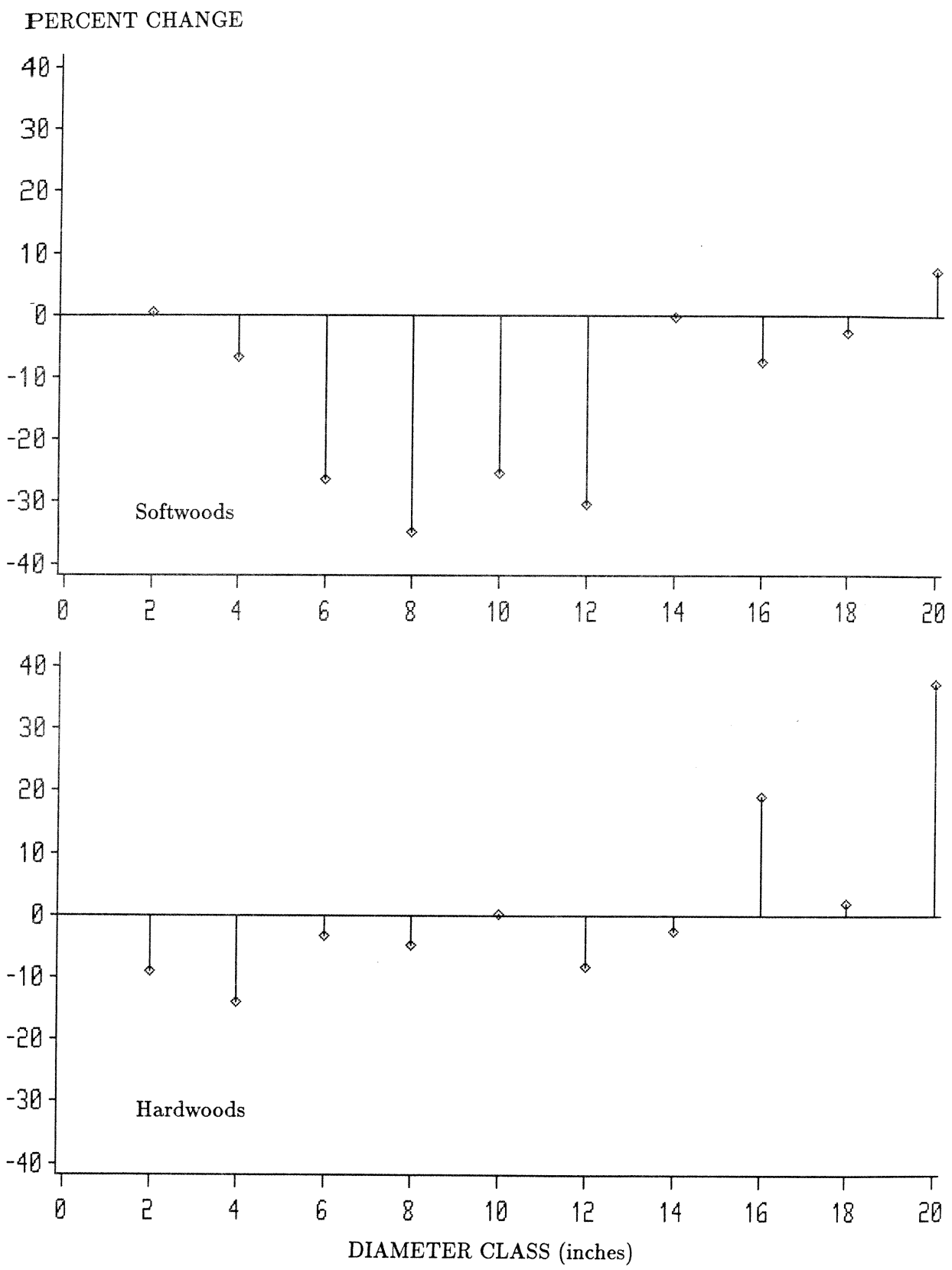

Figure 7.—*Percent change in the number of live softwood and hardwood trees by diameter class, Southwest Mississippi, 1977 to 1987.*

Kelly, John F. and Hines, F. Dee, Forest Statistics for Southwest Mississippi counties—1987. Resourc. Bull. SO- 128 . New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1987. 33 p.

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

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

☆ U.S. GOVERNMENT PRINTING OFFICE:1987-766-709