United States
Department of
Agriculture

Forest Service

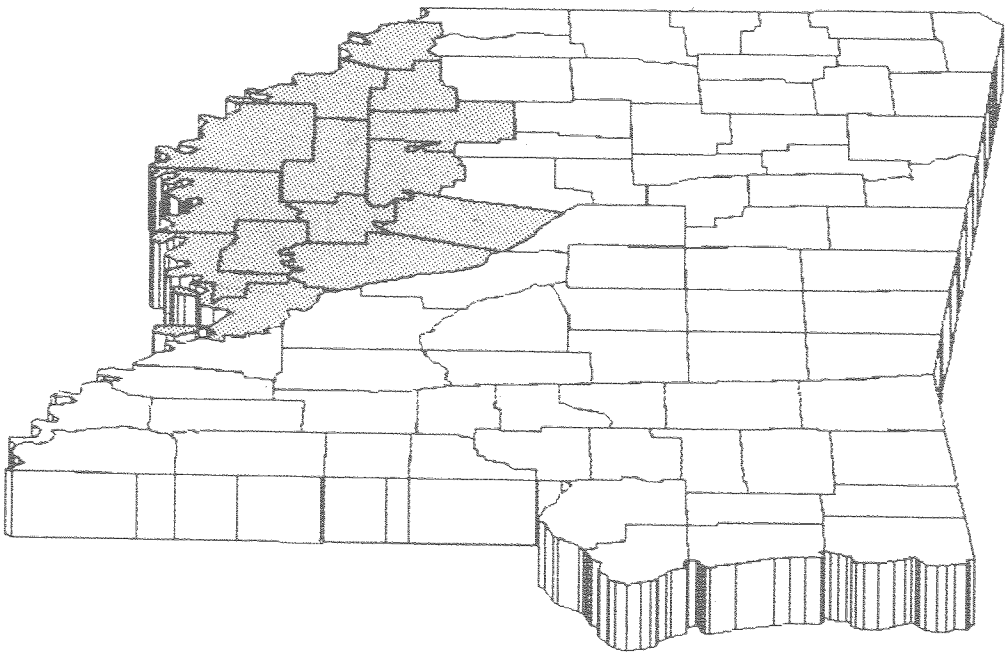
**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-126

Forest Statistics for Mississippi Delta Counties - 1987

John F. Kelly and F. Dee Hines



SUMMARY

The 1987 survey of the 14 counties in the Mississippi Delta unit indicated the following changes since the previous survey in 1977:

* Timberland area, now covering 1,388.3 thousand acres, has decreased 6 percent.
* Forest industry-owned timberland decreased 127.9 thousand acres, or 49 percent; other public land increased 70.3 thousand acres.
* The oak-gum-cypress forest type decreased by 87.1 thousand acres, or 10 percent; it now accounts for 55 percent of total timberland.
* Sawtimber stands increased 70.4 thousand acres, and now account for 70 percent of all timberland.
* Hardwood growing-stock volume increased 23 percent, and now accounts for 93 percent of all volume; hardwood sawtimber similarly increased by 26 percent.
* Softwood growing-stock volume increased 24 percent; sawtimber volume increased 50 percent.
* Net growth of hardwood growing stock increased 21 percent; net growth of softwood growing stock did not change.
* Removals of growing stock decreased 31 percent, with the decrease attributable to hardwoods.

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.

June 1987

CONTENTS

INTRODUCTION 1

HIGHLIGHTS 2

Timberland Area 2

Number of Trees 2

Timber Volume 2

Growth, Removals, and Mortality 3

DEFINITION OF TERMS 3

CORE TABLES 1-25* 5

SUPPLEMENTAL TABLES 26-36 21

GRAPHICS 30

*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.

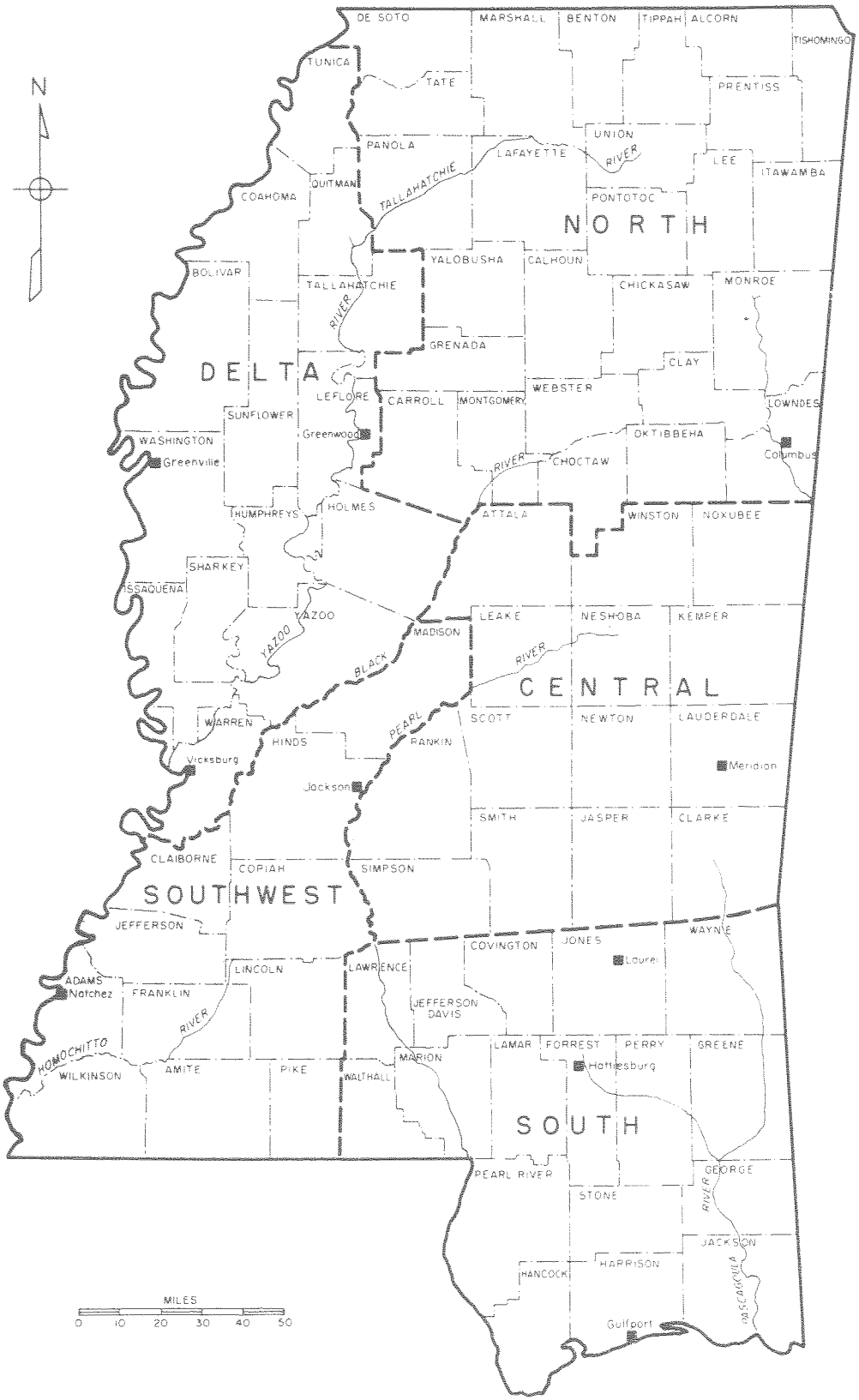


Figure I.–The forest survey regions of Mississippi

Forest Statistics for Mississippi Delta Counties—1987

John F. Kelly and F. Dee Hines

INTRODUCTION

The tables in this report were derived from data obtained from an inventory of 14 counties comprising the Delta 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 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the Delta Unit (with a sampling error of 5.3 percent) is

$$1,916.3 \pm 1.96(0.053\text{x}1,916.3) = 1,916.3 \pm 199.1$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 1,717.2 to 2,115.4 million cubic feet, unless a 1 in 20 chance of a random event has occurred.

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

County	Timberland	Growing stock: Volume	Growing stock: Growth	Growing stock: Removals	Sawtimber volume
	Percent				
Bolivar	0.8	12.0	(2)	40.4	17.4
Coahoma	1.2	11.9	(2)	44.3	18.0
Holmes	1.8	11.6	8.9	31.4	16.7
Humphreys[3]	1.0	15.7	24.4	23.6	19.8
Issaquena	2.4	14.5	19.8	23.3	17.2
Quitman[4]	1.3	19.6	38.0	22.3	24.9
Sharkey	1.3	18.3	20.9	16.9	21.4
Sunflower[5]	0.7	16.4	15.7	48.4	24.1
Tallahatchie	1.3	18.0	16.2	31.7	23.5
Warren	2.0	13.2	12.0	15.3	17.1
Yazoo	1.7	8.8	7.2	22.4	11.9
All counties	0.4	5.3	5.6	10.1	7.1

[1] By random-sampling formula.
[2] Sampling error greater than 50.
[3] Leflore included in Humphreys.
[4] Tunica included in Quitman.
[5] Washington included in Sunflower.

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

There are 1,388.3 thousand acres of timberland in Mississippi's Delta Unit, a decrease of 88.3 thousand acres, or 6 percent, since 1977. The region is now 25 percent forested.

Timberland owned by forest industry has decreased, while other public timberland has increased. Forest industry timberland decreased 127.9 thousand acres, or 49 percent. Timberland in the other public ownership category–which excludes National Forests–increased 70.3 thousand acres to 114.8 thousand acres. Timberland in the other private ownership category decreased slightly (2 percent); this category accounts for 78 percent of all timberland in the Delta Unit.

Forest type changes since 1977 have been relatively small. Despite a 10 percent decline, the oak-gum-cypress type still covers 55 percent of the timberland. The oak-pine type declined 16.0 thousand acres; and the elm- ash-cottonwood type declined 19.7 thousand acres. The only types showing gains were oak-hickory, up 20.2 thousand acres, and loblolly-shortleaf pine, up 21.0 thousand acres.

Mississippi Delta forests are increasingly dominated by sawtimber-size stands. Sawtimber stands increased 70.4 thousand acres to 968.4 thousand acres, currently accounting for 70 percent of total timberland area. Sapling-seedling stands decreased from 193.1 thousand acres to 79.3 thousand acres. Poletimber stands decreased 48.7 thousand acres.

Plantations are relatively sparse in the region, covering only 37.5 thousand acres.

Number of Trees

The number of all live trees in the Delta Unit has declined since 1977, principally due to change in hardwoods. The 24 percent decrease in number of hardwood trees was attributable mainly to the decrease of trees in the 8-inch and smaller diameter-at-breast height (dbh) classes. Although the number of hardwood trees in the 12-inch dbh class decreased, all other classes larger than 8 inches showed an increase. A similar pattern is evident for softwood live trees, although they account for only 4 percent of the total.

The number of growing-stock trees decreased even more than all live trees. The number of hardwood growing-stock trees decreased 55 percent; this change is attributable mainly to trees in the 6-inch and smaller dbh classes, although a small decrease is also evident in the 12-inch class.

Timber Volume

Growing-stock volume is dominated by hardwoods, which account for 93 percent of the total growing-stock volume. Hardwood growing-stock volume increased by 335.5 million cubic feet since 1977 to 1,783.6 million cubic feet. This 23 percent increase since

1977 is similar to the 20 percent increase indicated for the previous survey period, 1967-1977. Hardwood sawtimber increased 26 percent since 1977, from 5,531.4 million board feet to 6,975.0 million board feet in 1987; this change is also similar to the 27 percent increase in the 1967-1977 period.

Softwood growing-stock volume increased 24 percent since 1977, from 107.2 million cubic feet to 132.8 million cubic feet. A 37 percent increase occurred during the previous survey period. Softwood sawtimber increased from 351.0 million board feet in 1977 to 526.4 million board feet in 1987; this increase is somewhat larger than the change from 1967 to 1977.

The volume of cull trees has increased since 1977, all due to hardwoods which account for 97 percent of cull volume in the Delta Unit. Hardwood cull volume increased from 333.3 million cubic feet to 460.0 million cubic feet, a 38 percent increase.

Growth, Removals, and Mortality

Total net annual growth–which is also dominated by hardwoods–increased 18 percent since the 1977 survey. Growth is calculated as an annual average for the inter-survey period, i.e., 1977-1987; removals and mortality are similarly calculated. Hardwood growth increased from 56.5 million cubic feet annually in the 1967-1977 survey period to 68.1 million cubic feet annually in the current survey period. Softwood growth is currently at 6.5 million cubic feet annually, similar to the 6.6 million cubic feet estimated for the 1977 survey.

Growing-stock removals have decreased since the 1977 survey, with the decrease attributable to hardwoods. Hardwood removals decreased from 44.0 million cubic feet annually in the 1977 survey to 27.6 million cubic feet for the current survey, a decrease of 37 percent. Softwood removals increased from 3.6 million cubic feet annually to 5.2 million cubic feet. Total volume removed from growing stock for the 1977-1987 period is less than one-half the volume of growth.

Mortality has changed only slightly since the previous survey period. Hardwood mortality has decreased a small amount, while softwood mortality increased slightly. Hardwood mortality is 14.9 million cubic feet annually for the current survey, down from 17.0 million cubic feet in the previous survey period. Softwood mortality is 1.0 million cubic feet annually, up slightly from 0.6 million cubic feet in the 1977 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.

Table 1—*Area by county and land class, Mississippi Delta, 1987*

County	All land[1]	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
Bolivar	571.2	66.3	66.3	...	...	504.9
Coahoma	357.8	56.6	56.6	...	...	301.2
Holmes	486.0	255.9	255.9	...	...	230.0
Humphreys[4]	662.3	99.2	99.2	...	...	563.1
Issaquena	260.1	98.4	98.4	...	...	161.7
Leflore[4]	...	...	...	...	...	...
Quitman[5]	554.3	89.6	89.6	...	...	464.7
Sharkey	278.3	72.7	72.7	...	...	205.6
Sunflower[6]	921.2	98.6	98.6	...	...	822.6
Tallahatchie	416.3	97.2	97.2	...	...	319.2
Tunica[5]	...	...	...	...	...	...
Warren	381.7	214.2	212.3	...	1.9	167.6
Washington[6]	...	...	...	...	...	...
Yazoo	597.2	241.6	241.6	...	...	355.6
All counties	5486.4	1390.2	1388.3	...	1.9	4096.3

[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.

[4] Leflore included in Humphreys.

[5] Tunica included in Quitman.

[6] Washington included in Sunflower.

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

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry[1]	Farmer	Corporate[2]	Individual[2]
	Thousand acres								
Bolivar	66.3	...	...	16.6	...	8.3	16.6	4.1	20.7
Coahoma	56.6	...	...	...	...	...	20.2	8.1	28.3
Holmes	255.9	...	19.2	...	...	25.6	108.8	25.6	76.8
Humphreys[3]	99.2	...	8.3	...	8.3	...	24.8	16.5	41.3
Issaquena	98.4	...	...	...	5.5	54.6	5.5	16.4	16.4
Quitman[4]	89.6	...	...	...	...	...	52.3	...	37.3
Sharkey	72.7	57.1	...	...	...	...	...	10.4	5.2
Sunflower[5]	98.6	...	9.0	...	...	9.0	35.9	17.9	26.9
Tallahatchie	97.2	...	...	...	...	...	54.7	...	42.5
Warren	212.3	...	5.7	5.7	...	34.4	40.2	22.9	103.3
Yazoo	241.6	...	29.3	7.3	...	...	117.1	14.6	73.2
All counties	1388.3	57.1	71.4	29.6	13.7	131.9	475.9	136.6	471.9

[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.
[3] Leflore included in Humphreys.
[4] Tunica included in Quitman.
[5] Washington included in Sunflower.

Table 3–*Area of timberland by county and forest type group, Mississippi Delta, 1987*

		Forest type group					
		Loblolly-shortleaf pine					
County	Total	Planted	Natural	Oak-pine	Oak-hickory	Oak-Gum Cypress	Elm-ash-Cottonwood
	Thousa nd acres						
Bolivar	66.3	...	...	...	4.1	45.6	16.6
Coahoma	56.6	...	...	...	...	52.6	4.0
Holmes	255.9	19.2	19.2	38.4	115.2	64.0	...
Humphreys[1]	99.2	...	...	...	...	99.2	...
Issaquena	98.4	...	...	...	5.5	92.9	...
Quitman[2]	89.6	...	...	...	...	74.7	14.9
Sharkey	72.7	...	...	...	...	72.7	...
Sunflower[3]	98.6	...	...	...	...	80.7	17.9
Tallahatchie	97.2	...	...	12.1	48.6	36.4	...
Warren	212.3	...	...	...	131.9	63.1	17.2
Yazoo	241.6	...	...	7.3	146.4	80.5	7.3
All counties	1388.3	19.2	19.2	57.9	451.7	762.3	78.0

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	All classes	Stand-size class			Nonstocked[1] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Bolivar	66.3	58.0	8.3	...	...
Coahoma	56.6	48.5	8.1	...	...
Holmes	255.9	134.4	70.4	51.2	...
Humphreys[2]	99.2	57.9	33.1	8.3	...
Issaquena	98.4	71.0	16.4	...	10.9
Quitman[3]	89.6	67.2	22.4	...	...
Sharkey	72.7	46.7	20.8	5.2	...
Sunflower[4]	98.6	71.7	17.9	...	9.0
Tallahatchie	97.2	66.8	30.4	...	...
Warren	212.3	177.8	34.4	...	...
Yazoo	241.6	168.4	58.6	14.6	...
All counties	1388.3	968.4	320.7	79.3	19.9

[1] Timberland less than 16.7 percent stocked.
[2] Leflore included in Humphreys.
[3] Tunica included in Quitman.
[4] Washington included in Sunflower.

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

County	All classes	Site class (cubic feet/acre/year)				
		>165	120-165	85-120	50-85	<50
	Thousand acres					
Bolivar	66.3	33.1	12.4	16.6	4.1	...
Coahoma	56.6	12.1	28.3	12.1	4.0	...
Holmes	255.9	51.2	64.0	121.6	19.2	...
Humphreys[1]	99.2	8.3	33.1	49.6	8.3	...
Issaquena	98.4	38.3	5.5	43.7	5.5	5.5
Quitman[2]	89.6	...	37.3	44.8	7.5	...
Sharkey	72.7	5.2	26.0	36.4	5.2	...
Sunflower[3]	98.6	9.0	17.9	53.8	17.9	...
Tallahatchie	97.2	6.1	18.2	72.9	...	...
Warren	212.3	80.3	45.9	45.9	40.2	...
Yazoo	241.6	36.6	124.4	73.2	7.3	...
All counties	1388.3	280.1	413.0	570.5	119.2	5.5

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	All classes	Stocking class (percent) >130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
Bolivar	66.3	...	4.1	24.9	37.3	...
Coahoma	56.6	...	4.0	40.4	12.1	...
Holmes	255.9	...	12.8	153.6	89.6	...
Humphreys[1]	99.2	...	8.3	49.6	41.3	...
Issaquena	98.4	...	...	65.6	21.9	10.9
Quitman[2]	89.6	...	...	37.3	52.3	...
Sharkey	72.7	...	...	46.7	26.0	...
Sunflower[3]	98.6	...	...	62.7	26.9	9.0
Tallahatchie	97.2	6.1	6.1	42.5	42.5	...
Warren	212.3	...	11.5	120.5	80.3	...
Yazoo	241.6	...	14.6	131.8	95.2	...
All counties	1388.3	6.1	61.4	775.6	525.3	19.9

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

Forest type[1]	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Loblolly-shortleaf pine	38.4	...	...	12.8	...	25.6
Softwood total	38.4	...	...	12.8	...	25.6
Oak-pine	57.9	...	...	...	...	57.9
Oak-hickory	451.7	...	18.8	33.2	...	399.7
Oak-gum-cypress	762.3	57.1	96.0	81.8	...	527.4
Elm-ash-cottonwood	78.0	...	...	4.1	...	73.9
Hardwood total	1349.9	57.1	114.8	119.1	...	1058.8
All types	1388.3	57.1	114.8	131.9	...	1084.4

[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, Mississippi Delta, 1987*

Ownership class	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
National forest	57.1	...	...	36.4	20.8	...
Other public	114.8	...	4.1	60.2	45.0	5.5
Forest industry	131.9	...	...	110.4	21.5	...
Other private	1084.4	6.1	57.3	568.6	438.1	14.4
All ownerships	1388.3	6.1	61.4	775.6	525.3	19.9

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

Forest type[1]	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked[2] areas
	Thousand acres				
Loblolly-shortleaf pine	38.4	25.6	...	12.8	...
Softwood total	38.4	25.6	...	12.8	...
Oak-pine	57.9	12.5	32.6	12.8	...
Oak-hickory	451.7	309.3	109.5	32.9	...
Oak-gum-cypress	762.3	567.9	153.8	20.8	19.9
Elm-ash-cottonwood	78.0	53.2	24.8	...	...
Hardwood total	1349.9	942.8	320.7	66.5	19.9
All types	1388.3	968.4	320.7	79.3	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, Mississippi Delta, 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												
Shortleaf-loblolly pine	13484	4693	1760	1455	2739	1344	811	441	140	41	22	38	...
Cypress	2395	...	557	138	371	325	472	111	69	85	28	151	90
Other softwoods	11118	7850	1173	1275	586	113	25	...	60	36	...	...	...
Total softwoods	26998	12543	3490	2869	3696	1782	1308	552	268	162	50	188	90
Select white oaks	14039	7134	3369	982	591	546	576	269	192	123	81	163	12
Select red oaks	6175	1342	671	1165	1031	320	293	340	226	235	151	308	91
Other white oaks	21720	9247	4588	2672	1888	744	815	364	464	242	271	312	114
Other red oaks	40750	13819	7174	4791	3873	3254	1643	1886	1261	1006	602	1200	240
Hickory	78805	53497	12324	4036	2445	2120	1381	1081	623	507	342	419	29
Hard maple	7435	5315	1197	497	92	220	96	...	....	13	...	5	...
Soft maple	27276	11641	7692	2451	1668	1867	873	363	430	151	56	78	5
Beech	12970	8295	2249	850	648	182	80	150	132	118	89	151	26
Sweetgum	66157	28361	11811	8726	5604	4380	2663	2020	1200	661	247	425	58
Tupelo-blackgum	5040	1143	...	853	738	503	709	469	341	165	69	45	6
Ash	36295	20309	4474	3830	2380	1499	1048	1039	674	417	264	302	59
Cottonwood-aspen	2556	...	...	387	884	361	121	138	96	110	99	212	147
Basswood	3668	3065	...	...	138	146	123	118	60	...	...	17	...
Yellow-poplar	7876	5085	1113	209	337	238	242	106	182	149	92	106	18
Black walnut	760	...	526	131	...	56	...	21	16	...	10	...	...
Other hardwoods	202590	120596	37303	15195	10578	6958	3488	3251	2038	1378	826	865	114
Total hardwoods	534111	288850	94494	46774	32897	23393	14152	11614	7936	5275	3201	4608	918
Noncommercial	81389	54026	15110	8340	2308	1168	155	220	47	16	...	...	...
All species	642499	355419	113094	57982	38900	26343	15614	12386	8251	5453	3251	4796	1008

Table 11–*Number of growing-stock trees on timberland by species and diameter class, Mississippi Delta, 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												
Shortleaf-loblolly pine	11394	4107	587	1197	2684	1344	811	441	123	41	22	38	...
Cypress	1577	...	...	...	371	302	439	111	69	85	21	134	47
Other softwoods	10012	7263	1173	880	524	113	...	...	60	...	...	...	...
Total softwoods	22983	11370	1760	2076	3579	1758	1250	552	251	126	43	172	47
Select white oaks	7029	1258	2813	871	517	397	502	247	145	91	51	132	5
Select red oaks	4473	671	...	1053	1031	280	293	296	206	213	134	261	35
Other white oaks	8062	1578	1259	1243	1458	702	525	315	323	162	231	203	62
Other red oaks	25906	4499	4863	3940	3664	2659	1401	1607	1060	833	485	767	130
Hickory	21079	6865	3531	3082	2192	1776	1166	901	562	395	242	350	15
Hard maple	2572	1342	526	396	92	140	62	...	...	13	...	...	...
Soft maple	5647	671	957	1262	665	1218	342	206	161	102	23	39	...
Beech	2570	...	671	649	523	182	56	130	98	105	55	101	...
Sweetgum	31771	5328	5219	6476	4852	4020	2112	1679	993	564	184	315	29
Tupelo-blackgum	2201	...	...	193	257	466	394	348	324	141	58	21	...
Ash	16330	5754	2935	2077	1815	967	649	791	480	377	242	204	38
Cottonwood-aspen	2099	...	...	263	672	361	89	138	66	93	99	184	134
Basswood	361	...	...	...	60	146	25	93	20	...	...	17	...
Yellow-poplar	3875	1723	526	209	337	238	208	106	182	149	83	96	18
Black walnut	103	...	...	...	...	56	...	21	16	...	10	...	...
Other hardwoods	56554	13713	13146	8470	7774	5061	2366	2341	1378	1063	602	591	49
Total hardwoods	190632	43403	36446	30182	25910	18670	10189	9221	6014	4301	2498	3281	516
All species	213615	54773	38206	32258	29489	20428	11439	9774	6266	4427	2541	3452	562

Table 12—*Volume of growing stock on timberland by species and diameter class, Mississippi Delta, 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										
Shortleaf-loblolly pine	78.4	4.2	17.2	17.6	16.2	12.5	3.6	1.9	1.6	3.7	...
Cypress	45.8	...	2.6	5.0	10.8	4.1	2.4	4.2	1.0	10.0	5.8
Other softwoods	8.6	2.3	3.3	1.2	...	...	1.8	...	...	...	...
Total softwoods	132.8	6.5	23.1	23.7	26.9	16.5	7.8	6.0	2.6	13.7	5.8
Select white oaks	51.6	2.3	3.9	4.2	9.7	6.6	5.7	4.2	3.1	11.2	0.9
Select red oaks	82.6	2.9	5.9	3.6	5.6	8.2	7.7	10.7	8.9	22.7	6.4
Other white oaks	84.3	2.4	7.6	6.9	8.3	7.0	9.2	6.7	11.1	16.5	8.6
Other red oaks	312.6	10.3	23.5	29.1	25.5	40.7	35.9	36.0	27.6	63.0	20.9
Hickory	171.3	8.7	13.6	20.0	22.4	23.2	20.1	17.9	13.8	28.5	3.3
Hard maple	5.4	1.0	0.7	1.8	1.5	...	...	0.4	...	...	...
Soft maple	42.7	2.9	4.2	11.9	5.4	5.0	5.6	4.2	0.9	2.6	...
Beech	30.9	1.4	2.9	2.1	1.1	3.3	3.4	5.2	3.5	8.1	...
Sweetgum	300.6	15.2	31.6	47.0	40.6	48.1	38.9	29.8	12.9	31.7	4.6
Tupelo-blackgum	42.5	0.5	1.5	5.2	7.0	8.9	9.9	5.3	2.8	1.4	...
Ash	117.8	5.1	11.1	9.9	10.7	18.9	15.2	16.1	12.4	13.7	4.7
Cottonwood-aspen	78.9	0.7	3.9	3.7	1.8	3.2	2.2	5.1	6.7	22.1	29.6
Basswood	7.7	...	0.5	1.6	0.7	2.4	0.7	...	...	1.8	...
Yellow-poplar	51.7	0.8	2.8	3.6	3.7	3.7	8.3	8.8	6.8	9.7	3.6
Black walnut	1.8	...	...	0.4	...	0.4	0.5	...	0.5	...	...
Other hardwoods	401.1	20.9	44.9	54.2	39.9	56.5	44.5	49.8	34.1	49.6	6.5
Total hardwoods	1783.6	74.8	158.5	205.1	183.9	236.1	207.9	200.2	145.0	282.7	89.2
All species	1916.3	81.4	181.6	228.8	210.8	252.7	215.7	206.3	147.7	296.4	95.0

Table 13—*Volume of growing stock in the saw-log portion of sawtimber*[1] *trees on timberland by species and diameter class, Mississippi Delta, 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								
Shortleaf-loblolly pine	48.2	14.0	13.9	10.7	2.9	1.6	1.5	3.7	...
Cypress	39.0	3.5	9.3	3.7	2.2	4.0	0.9	9.7	5.8
Other softwoods	2.4	0.9	...	...	1.6	...	...	...	...
Total softwoods	89.6	18.4	23.2	14.4	6.6	5.6	2.4	13.3	5.8
Select white oaks	33.9	...	7.4	5.1	4.7	3.6	2.6	9.8	0.8
Select red oaks	60.2	...	4.1	6.9	6.5	9.4	7.9	20.4	4.9
Other white oaks	57.7	...	5.8	5.9	7.8	5.8	9.7	14.9	7.8
Other red oaks	214.6	...	18.5	34.0	31.6	30.6	23.5	56.7	19.7
Hickory	106.7	...	16.5	18.1	16.6	16.0	11.8	24.6	3.2
Hard maple	1.6	...	1.2	...	...	0.4	...	...	...
Soft maple	18.1	...	3.8	3.9	4.0	3.5	0.8	2.0	...
Beech	20.4	...	0.8	2.5	3.0	4.3	3.1	6.7	...
Sweetgum	172.7	...	28.2	39.6	34.0	26.3	11.3	28.9	4.3
Tupelo-blackgum	27.8	...	4.1	7.0	8.5	4.6	2.5	1.2	...
Ash	76.6	...	7.3	14.8	13.0	13.8	11.1	12.2	4.3
Cottonwood-aspen	64.5	...	1.0	2.7	1.9	4.6	6.3	20.4	27.8
Basswood	4.5	...	0.6	1.9	0.6	...	...	1.4	...
Yellow-poplar	39.2	...	2.4	3.1	7.5	8.1	6.2	8.8	3.1
Black walnut	1.3	...	...	0.4	0.5	...	0.4	...	...
Other hardwoods	236.8	...	27.8	45.1	38.0	44.1	31.3	44.3	6.3
Total hardwoods	1136.7	...	129.4	190.9	178.3	174.9	128.5	252.3	82.3
All species	1226.3	18.4	152.6	205.3	185.0	180.5	130.9	265.7	88.1

[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, Mississippi Delta, 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								
Shortleaf-loblolly pine	284.2	75.7	81.6	67.2	16.7	10.0	10.8	22.3	...
Cypress	227.9	18.3	52.3	22.8	12.6	23.5	5.3	57.9	35.3
Other softwoods	14.3	4.5	...	...	9.8	...	...	...	...
Total softwoods	526.4	98.5	133.8	89.9	39.1	33.5	16.0	80.2	35.3
Select white oaks	217.3	...	41.8	30.7	30.7	22.8	17.7	68.9	4.6
Select red oaks	387.9	...	23.8	40.5	39.8	60.5	51.2	137.1	35.1
Other white oaks	353.8	...	30.1	34.1	45.6	35.1	59.7	96.2	53.1
Other red oaks	1300.8	...	101.3	192.9	187.0	189.3	147.0	358.0	125.2
Hickory	668.2	...	93.2	108.2	102.6	101.2	76.4	164.2	22.2
Hard maple	9.6	...	7.5	...	...	2.0	...	...	...
Soft maple	112.3	...	21.7	24.8	26.3	22.3	4.8	12.4	...
Beech	133.2	...	4.6	15.4	18.6	29.1	21.1	44.4	...
Sweetgum	1039.2	...	157.6	231.0	207.4	162.0	71.9	185.6	23.8
Tupelo-blackgum	151.5	...	19.1	37.2	47.6	26.0	14.5	7.1	...
Ash	436.2	...	39.4	83.7	73.5	83.3	66.8	65.1	24.4
Cottonwood-aspen	427.4	...	5.7	15.5	11.8	28.7	40.9	137.8	187.2
Basswood	27.7	...	3.6	11.6	3.0	...	...	9.6	...
Yellow-poplar	251.2	...	13.6	19.6	47.6	51.5	41.7	58.6	18.6
Black walnut	7.5	...	...	2.2	2.8	...	2.5	...	...
Other hardwoods	1451.2	...	153.0	269.1	229.8	276.5	197.9	286.8	38.0
Total hardwoods	6975.0	...	716.1	1116.5	1073.9	1090.5	814.1	1631.8	532.1
All species	7501.4	98.5	849.9	1206.4	1113.0	1124.0	830.1	1712.1	567.4

Table 15–*Volume of growing stock and sawtimber on timberland by county and species group, Mississippi Delta, 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*					
Bolivar	85.6	...	...	2.4	62.4	20.8	351.4	...	...	11.6	264.9	74.8
Coahoma	94.9	...	...	5.6	52.5	36.9	408.4	...	...	34.2	209.4	164.7
Holmes	281.3	14.1	47.7	2.0	95.3	122.2	879.1	58.5	151.4	2.6	273.7	392.9
Humphreys[3]	113.5	...	...	...	28.9	84.6	366.9	...	...	...	89.5	277.4
Issaquena	146.8	...	...	3.3	83.8	59.8	614.4	...	...	18.3	316.6	279.5
Quitman[4]	100.8	...	...	4.4	64.3	32.0	419.1	...	...	24.3	274.4	120.3
Sharkey	96.0	...	...	...	21.7	74.4	437.7	...	...	...	94.6	343.1
Sunflower[5]	124.3	...	...	7.8	72.5	44.0	464.8	...	...	38.2	279.0	147.7
Tallahatchie	150.4	...	8.7	22.9	58.7	60.0	541.8	...	28.0	100.5	180.6	232.8
Warren	367.9	...	7.4	0.2	189.0	171.4	1709.7	...	44.4	...	873.8	791.6
Yazoo	354.7	...	0.5	5.9	158.0	190.3	1308.0	...	1.9	12.4	548.9	744.8
All counties	1916.3	14.1	64.3	54.4	887.2	896.4	7501.4	58.5	225.7	242.2	3405.4	3569.6

[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.

[3] Leflore included in Humphreys.

[4] Tunica included in Quitman.

[5] Washington included in Sunflower.

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

Class of timber	All species	Softwood			Hardwood	
		Pine				
		Planted	Natural	Other	Soft[1]	Hard[2]
	Million cubic feet					
Sawtimber trees:						
Saw-log portion	1226.3	10.2	38.0	41.5	554.2	582.4
Upper-stem portion	221.9	2.1	6.7	4.7	101.1	107.4
Total	1448.3	12.3	44.7	46.2	655.3	689.8
Poletimber trees	468.1	1.8	19.6	8.2	231.9	206.6
All growing-stock trees	1916.3	14.1	64.3	54.4	887.2	896.4
Rough trees:						
Sawtimber size	252.6	...	0.6	6.2	126.6	119.2
Poletimber size	131.6	0.6	0.7	1.0	51.2	78.1
Total	384.2	0.6	1.3	7.2	177.8	197.4
Rotten trees:						
Sawtimber size	83.6	...	...	4.7	30.8	48.0
Poletimber size	6.0	...	...	...	3.1	2.9
Total	89.6	...	...	4.7	33.9	50.9
Salvable dead trees:						
Sawtimber size	6.8	0.5	...	1.0	3.0	2.2
Poletimber size	2.2	...	0.3	0.6	0.4	1.0
Total	8.9	0.5	0.3	1.6	3.4	3.2
All classes	2399.1	15.2	65.8	67.9	1102.3	1147.8

[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 17—*Volume of live trees and growing stock on timberland by ownership class and species group, Mississippi Delta, 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	97.9	...	...	0.3	17.1	80.5	80.7	...	...	...	11.6	69.1
Other public	203.3	...	...	7.7	82.8	112.8	162.6	...	...	6.9	65.7	90.1
Forest industry	245.4	2.2	6.9	1.3	154.6	80.3	199.0	1.6	6.9	1.3	125.1	64.1
Other private	1843.6	12.5	58.7	56.9	844.4	871.1	1473.9	12.5	57.4	46.2	684.8	673.1
All ownerships	2390.1	14.7	65.6	66.3	1098.9	1144.7	1916.3	14.1	64.3	54.4	887.2	896.4

[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 18—*Average net annual growth of growing stock and sawtimber on timberland by county and species group, Mississippi Delta, 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*					
Bolivar	2.1	...	...	0.2	1.0	0.9	10.1	...	...	0.8	5.7	3.7
Coahoma	1.0	...	...	-0.2	0.5	0.7	6.8	...	...	-1.3	4.0	4.1
Holmes	16.1	1.6	2.9	0.3	4.6	6.7	57.6	5.9	12.7	0.3	13.8	24.9
Humphreys[3]	6.1	...	...	...	1.0	5.2	21.9	...	...	...	4.8	17.2
Issaquena	5.6	...	...	...	3.1	2.5	21.7	...	...	-0.2	10.7	11.1
Quitman[4]	3.6	...	...	0.1	2.1	1.4	17.5	...	...	0.5	11.1	5.8
Sharkey	2.8	...	...	...	0.3	2.5	7.5	...	...	-0.2	-0.4	8.1
Sunflower[5]	6.1	...	...	0.2	3.5	2.4	25.3	...	...	1.2	15.2	8.9
Tallahatchie	4.7	0.6	...	0.1	1.8	2.1	23.2	2.7	...	1.4	7.6	11.5
Warren	11.2	...	0.4	...	4.5	6.3	62.2	...	2.3	-0.2	25.9	34.2
Yazoo	15.3	...	...	0.4	7.3	7.6	66.1	...	0.1	0.9	28.2	36.9
All counties	74.7	2.2	3.3	1.0	29.7	38.4	319.9	8.6	15.2	3.1	126.6	166.3

[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.

[3] Leflore included in Humphreys.

[4] Tunica included in Quitman.

[5] Washington included in Sunflower.

Table 19—*Average net annual removals of growing stock and sawtimber on timberland by county and species group, Mississippi Delta, 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*					
Bolivar	2.1	...	...	...	1.2	0.9	9.2	...	...	...	6.0	3.1
Coahoma	0.7	...	...	...	0.4	0.3	3.2	...	...	...	2.6	0.6
Holmes	7.3	2.1	1.5	0.1	0.8	2.7	20.0	4.6	4.3	...	1.4	9.6
Humphreys[3]	1.2	...	...	...	0.3	0.9	3.6	...	...	...	1.1	2.5
Issaquena	3.8	...	...	...	1.9	1.9	19.9	...	...	...	7.2	12.7
Quitman[4]	0.6	...	...	...	0.5	0.1	3.4	...	...	...	3.1	0.2
Sharkey	1.3	...	...	...	0.2	1.1	7.1	...	...	...	1.1	6.0
Sunflower[5]	1.9	...	...	1.2	0.1	0.6	8.1	...	...	5.8	0.7	1.6
Tallahatchie	1.0	...	0.1	...	0.4	0.5	3.5	...	0.6	...	1.1	1.8
Warren	8.0	...	...	0.1	4.0	4.0	39.2	...	...	0.3	19.8	19.1
Yazoo	4.8	...	0.1	...	1.5	3.2	21.8	...	0.5	...	6.9	14.4
All counties	32.8	2.1	1.7	1.4	11.5	16.1	138.7	4.6	5.3	6.1	51.1	71.6

[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.

[3] Leflore included in Humphreys.

[4] Tunica included in Quitman.

[5] Washington included in Sunflower.

Table 20—*Average net annual growth and average annual removals of growing stock on timberland by species, Mississippi Delta, 1987*

Species	Growth	Removals
	Million cubic feet	
Yellow pines	5.5	3.8
Other softwoods	1.0	1.4
Total softwoods	6.5	5.2
Select white-red oaks	6.8	3.3
Other white-red oaks	18.5	10.0
Hickory	5.3	1.7
Hard maple	0.2	0.1
Sweetgum	12.1	3.5
Ash-walnut-black cherry	4.7	0.9
Yellow-poplar	2.5	0.9
Other hardwoods	17.9	7.3
Total hardwoods	68.1	27.6
All species	74.7	32.8

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

Species	Growth	Removals
	Million board feet	
Yellow pines	23.8	9.9
Other softwoods	3.1	6.1
Total softwoods	26.9	16.0
Select white-red oaks	33.1	14.4
Other white-red oaks	81.1	45.0
Hickory	22.4	8.4
Hard maple	0.4	0.4
Sweetgum	47.0	13.5
Ash-walnut-black cherry	20.7	2.9
Yellow-poplar	11.8	4.7
Other hardwoods	76.6	33.3
Total hardwoods	293.0	122.7
All species	319.9	138.7

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

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	0.6	0.9
Other softwoods	0.3	0.7
Total softwoods	1.0	1.6
Select white-red oaks	0.2	0.2
Other white-red oaks	2.4	8.6
Hickory	1.6	7.8
Sweetgum	1.4	5.1
Ash-walnut-black cherry	0.5	1.5
Yellow-poplar	0.1	0.6
Other hardwoods	8.6	34.1
Total hardwoods	14.9	57.8
All species	15.8	59.4

Table 23—*Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Mississippi Delta, 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	2.4	...	...	...	0.2	2.3	1.0	...	...	...	0.2	0.8
Other public	4.2	...	...	...	1.4	2.8	0.5	...	...	...	0.3	0.2
Forest industry	8.6	0.6	0.5	0.1	4.6	2.8	8.9	2.0	...	...	4.1	2.8
Other private	59.5	1.7	2.8	1.0	23.5	30.5	22.4	0.1	1.7	1.4	6.9	12.3
All ownerships	74.7	2.2	3.3	1.0	29.7	38.4	32.8	2.1	1.7	1.4	11.5	16.1

[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, Mississippi Delta, 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	6.0	...	...	0.2	-0.5	6.7	5.3	...	...	...	1.1	4.1
Other public	20.3	...	...	0.2	6.5	14.0	1.6	...	...	...	0.9	0.7
Forest industry	40.0	2.0	2.7	0.3	19.8	15.2	43.3	4.6	...	...	21.1	17.6
Other private	253.7	6.6	12.5	3.3	100.8	130.4	88.5	...	5.3	6.1	28.0	49.1
All ownerships	319.9	8.6	15.2	3.1	126.6	166.3	138.7	4.6	5.3	6.1	51.1	71.6

[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, Mississippi Delta, 1987*

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4
	Million board feet				
Yellow pines	284.2	8.3	44.6	231.3	...
Cypress	227.9	3.2	40.3	184.3	...
Redcedar	14.3	14.3	...	...	...
Total softwoods	526.4	25.8	84.9	415.6	...
Select white-red oaks	605.2	120.5	158.9	221.8	104.0
Other white-red oaks	1654.7	132.1	345.1	606.7	570.8
Hickory	668.2	64.1	136.1	349.9	118.1
Hard maple	9.6	...	...	2.0	7.5
Sweetgum	1039.2	110.3	331.1	440.4	157.4
Tupelo and blackgum	151.5	2.8	34.5	107.1	7.0
Ash-walnut-black cherry	467.0	91.3	182.0	179.2	14.6
Yellow-poplar	251.2	15.5	55.6	138.1	41.9
Other hardwoods	2128.4	414.5	531.5	759.1	423.3
Total hardwoods	6975.0	951.1	1774.8	2804.4	1444.6
All species	7501.4	977.0	1859.8	3220.0	1444.6

Supplemental Tables 26–36

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

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
	Thousand acres					
1-10	12.8	...	...	...	5.5	5.5
11-20	...	...	...	...	...	...
21-30	...	...	...	...	...	5.7
31-40	...	...	6.4	...	...	...
41-50	...	...	...	...	...	21.3
>50	...	...	...	...	...	17.2
Mixed	6.4	19.2	...	51.5	6.4	1230.5
Total	19.2	19.2	6.4	51.5	11.9	1280.2

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

County	Total	Forest type group: Loblolly-shortleaf pine: Planted	Loblolly-shortleaf pine: Natural	Oak-pine	Oak-hickory	Oak-Gum-Cypress	Elm-Ash-Cottonwood
	Million cubic feet						
Bolivar	2.4	...	...	...	...	0.9	1.5
Coahoma	5.6	...	...	...	...	5.1	0.5
Holmes	63.8	7.8	17.8	26.0	11.7	0.4	...
Humphreys[1]	...	...	...	...	...	...	...
Issaquena	3.3	...	...	...	...	3.3	...
Quitman[2]	4.4	...	...	...	...	4.4	...
Sharkey	...	...	...	...	...	...	...
Sunflower[3]	7.8	...	...	...	...	7.8	...
Tallahatchie	31.6	...	...	8.7	0.7	22.2	...
Warren	7.5	...	...	...	7.4	...	0.2
Yazoo	6.4	...	...	3.2	2.0	1.2	...
All counties	132.8	7.8	17.8	38.0	21.8	45.2	2.1

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	Total	Forest type group: Loblolly-shortleaf pine: Planted	Loblolly-shortleaf pine: Natural	Oak-pine	Oak-hickory	Oak-Gum-Cypresss	Elm-Ash-Cottonwood
	Million cubic feet						
Bolivar	83.2	...	...	...	3.2	57.8	22.1
Coahoma	89.4	...	...	...	...	83.5	5.8
Holmes	217.5	3.3	3.8	21.5	95.6	93.4	...
Humphreys[1]	113.5	...	...	...	...	113.5	...
Issaquena	143.5	...	...	...	7.2	136.3	...
Quitman[2]	96.4	...	...	...	...	81.4	14.9
Sharkey	96.0	...	...	...	...	96.0	...
Sunflower[3]	116.6	...	...	...	...	91.7	24.9
Tallahatchie	118.7	...	...	2.4	51.7	64.6	...
Warren	360.4	...	...	...	200.9	123.4	36.1
Yazoo	348.4	...	...	5.7	209.1	119.2	14.4
All counties	1783.6	3.3	3.8	29.6	567.6	1061.0	118.3

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-Gum-Cypresss	Elm-Ash-Cottonwood
		Planted	Natural				
	Million cubic feet						
Bolivar	2.2	...	...	...	...	0.8	1.3
Coahoma	5.0	...	...	...	...	4.5	0.5
Holmes	36.1	6.1	9.3	12.7	8.0	...	...
Humphreys[1]	...	...	...	...	...	...	...
Issaquena	3.2	...	...	...	...	3.2	...
Quitman[2]	4.0	...	...	...	...	4.0	...
Sharkey	...	...	...	...	...	...	...
Sunflower[3]	7.0	...	...	...	...	7.0	...
Tallahatchie	22.6	...	...	5.2	0.3	17.2	...
Warren	7.0	...	...	...	7.0	...	...
Yazoo	2.5	...	...	0.6	0.9	1.1	...
All counties	89.6	6.1	9.3	18.4	16.2	37.8	1.8

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-Gum-Cypresss	Elm-Ash-Cottonwood
		Planted	Natural				
	Million cubic feet						
Bolivar	56.3	...	...	...	2.0	38.3	16.0
Coahoma	59.6	...	...	...	...	56.0	3.6
Holmes	110.8	0.3	2.6	6.9	50.3	50.8	...
Humphreys[1]	62.6	...	...	...	...	62.6	...
Issaquena	98.9	...	...	...	0.3	98.6	...
Quitman[2]	64.1	...	...	...	...	56.7	7.4
Sharkey	71.5	...	...	...	...	71.5	...
Sunflower[3]	70.8	...	...	...	...	50.3	20.5
Tallahatchie	69.9	...	...	1.3	30.7	37.9	...
Warren	267.9	...	...	...	143.1	94.0	30.8
Yazoo	204.2	...	...	3.0	117.1	75.5	8.6
All counties	1136.7	0.3	2.6	11.2	343.5	692.1	87.0

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

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

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Bolivar	111.3	2.4	83.2	...	24.0	...	1.7
Coahoma	121.3	5.6	89.4	1.6	23.5	...	1.2
Holmes	348.4	63.8	217.5	1.4	59.2	...	6.5
Humphreys[1]	141.5	...	113.5	...	19.7	...	8.2
Issaquena	197.6	3.3	143.5	2.0	35.5	1.3	12.0
Quitman[2]	131.5	4.4	96.4	0.7	25.2	...	4.8
Sharkey	117.4	...	96.0	...	15.9	0.3	5.1
Sunflower[3]	148.4	7.8	116.6	0.5	18.4	1.9	3.3
Tallahatchie	181.3	31.6	118.7	1.2	22.5	0.2	6.9
Warren	443.8	7.5	360.4	1.4	61.6	...	12.9
Yazoo	447.8	6.4	348.4	0.2	69.6	0.9	22.3
All counties	2390.1	132.8	1783.6	9.1	375.2	4.7	84.8

[1] Leflore included in Humphreys.
[2] Tunica included in Quitman.
[3] Washington included in Sunflower.

Table 32–*Number of live trees on timberland by detailed species and diameter class, Mississippi Delta, 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												
Shortleaf pine	5672	587	587	988	1834	716	562	301	88	...	10	...	...
Loblolly pine	7812	4107	1173	468	905	628	249	140	52	41	12	38	...
Redcedar	11118	7850	1173	1275	586	113	25	...	60	36	...	...	...
Cypress	2395	...	557	138	371	325	472	111	69	85	28	151	90
Total softwoods	26998	12543	3490	2869	3696	1782	1308	552	268	162	50	188	90
Select white oaks	14039	7134	3369	982	591	546	576	269	192	123	81	163	12
Select red oaks	6175	1342	671	1165	1031	320	293	340	226	235	151	308	91
Other white oaks	21720	9247	4588	2672	1888	744	815	364	464	242	271	312	114
Other red oaks	40750	13819	7174	4791	3873	3254	1643	1886	1261	1006	602	1200	240
Sweet pecan	5394	2380	751	564	405	584	228	117	92	58	65	128	21
Water hickory	44151	30287	8211	1875	1256	668	424	491	294	279	173	186	8
Other hickories	29260	20830	3363	1598	784	868	730	473	237	170	103	105	...
Persimmon	16944	9803	4227	1298	825	569	123	45	14	29	10	...	...
Hard maple	7435	5315	1197	497	92	220	96	...	...	13	...	5	...
Soft maple	14073	5938	5895	845	759	274	117	91	72	46	8	24	5
Boxelder	13203	5702	1797	1606	909	1593	756	273	358	105	48	54	...
Beech	12970	8295	2249	850	648	182	80	150	132	118	89	151	26
Sweetgum	66157	28361	11811	8726	5604	4380	2663	2020	1200	661	247	425	58
Blackgum	1949	1143	...	190	274	97	58	66	52	57	...	11	...
Other gums/tupelos	3091	...	...	662	464	406	650	403	289	107	69	34	6
White ash	7416	6023	...	308	277	229	110	181	31	156	87	15	...
Other ashes	28879	14287	4474	3522	2104	1270	938	857	643	261	177	287	59
Sycamore	4489	1113	557	385	893	308	126	297	318	171	117	178	25
Cottonwood	2556	...	...	387	884	361	121	138	96	110	99	212	147
Basswood	3668	3065	...	...	138	146	123	118	60	...	...	17	...
Yellow-poplar	7876	5085	1113	209	337	238	242	106	182	149	92	106	18
Magnolia	52	...	...	...	...	...	35	...	...	11	...	6	...
Willow	5697	2347	380	1054	377	244	228	278	161	221	178	163	65
Black walnut	760	...	526	131	...	56	...	21	16	...	10	...	...
Black cherry	3165	1929	587	179	269	...	70	42	39	38	...	12	...
American elm	32504	19926	6881	1436	1925	1020	356	501	157	114	70	108	9
Other elms	31223	24975	3101	1325	502	476	135	269	140	93	81	121	4
Hackberry	59467	29333	11608	5370	3960	3456	2060	1436	1070	600	311	257	6
Black locust	904	526	...	117	68	97	58	37	...	...	...	...	...
Other locusts	1832	1173	...	...	215	238	60	52	28	38	23	5	...
Sassafras	6185	2341	1669	504	783	348	121	202	110	54	35	14	5
Dogwood	33978	23116	7623	2759	480	...	...	...	...	...	...	...	...
Holly	75	...	...	...	...	33	42	...	...	...	...	...	...
Other commercial	6077	4013	671	767	282	168	75	92	...	8	...	...	...
Total hardwoods	534111	288850	94494	46774	32897	23393	14152	11614	7936	5275	3201	4608	918
Noncommercial	81389	54026	15110	8340	2308	1168	155	220	47	16	...	...	...
All species	642499	355419	113094	57982	38900	26343	15614	12386	8251	5453	3251	4796	1008

Table 33—*Number of growing-stock trees on timberland by detailed species and diameter class, Mississippi Delta, 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										
Shortleaf pine	4345	890	1779	716	562	301	88	...	10	...	...
Loblolly pine	2355	307	905	628	249	140	35	41	12	38	...
Redcedar	1576	880	524	113	...	...	60	...	...	...	...
Cypress	1577	...	371	302	439	111	69	85	21	134	47
Total softwoods	9853	2076	3579	1758	1250	552	251	126	43	172	47
Select white oaks	2958	871	517	397	502	247	145	91	51	132	5
Select red oaks	3802	1053	1031	280	293	296	206	213	134	261	35
Other white oaks	5225	1243	1458	702	525	315	323	162	231	203	62
Other red oaks	16543	3940	3664	2659	1401	1607	1060	833	485	767	130
Sweet pecan	1901	564	227	520	186	103	92	50	28	116	15
Water hickory	4362	1295	1180	509	314	348	233	191	133	158	...
Other hickories	4420	1223	784	747	667	451	237	155	81	76	...
Persimmon	2279	1093	573	490	68	21	14	10	10	...	...
Hard maple	703	396	92	140	62	...	...	13	...	...	...
Soft maple	1076	422	211	274	34	52	21	31	8	24	...
Boxelder	2942	840	454	944	308	155	140	71	15	16	...
Beech	1899	649	523	182	56	130	98	105	55	101	...
Sweetgum	21224	6476	4852	4020	2112	1679	993	564	184	315	29
Blackgum	508	103	133	97	27	40	52	45	...	11	...
Other gums/tupelos	1693	90	123	369	367	308	272	95	58	10	...
White ash	1049	96	277	168	110	130	31	156	74	7	...
Other ashes	6592	1981	1539	800	539	662	449	221	168	196	38
Sycamore	2367	305	831	211	126	231	244	142	100	164	14
Cottonwood	2099	263	672	361	89	138	66	93	99	184	134
Basswood	361	...	60	146	25	93	20	...	...	17	...
Yellow-poplar	1626	209	337	238	208	106	182	149	83	96	18
Magnolia	35	...	...	...	35	...	...	...	...	...	...
Willow	1567	217	147	194	187	173	115	197	150	151	35
Black walnut	103	...	...	56	...	21	16	...	10	...	...
Black cherry	407	179	83	...	38	42	39	26	...	...	...
American elm	4269	795	1811	750	213	422	127	63	33	55	...
Other elms	2149	837	268	441	108	198	113	55	45	85	...
Hackberry	12487	3048	3074	2435	1363	1020	682	493	236	135	...
Black locust	329	117	68	49	58	37	...	...	...	...	...
Other locusts	391	...	72	145	60	31	28	38	17	...	...
Sassafras	1362	292	507	263	69	167	16	39	10	...	...
Dogwood	1558	1218	340	...	...	...	...	...	...	...	...
Holly	75	...	...	33	42	...	...	...	...	...	...
Other commercial	419	369	...	50	...	...	...	...	...	...	...
Total hardwoods	110782	30182	25910	18670	10189	9221	6014	4301	2498	3281	516
All species	120636	32258	29489	20428	11439	9774	6266	4427	2541	3452	562

Table 34—*Volume of growing-stock trees on timberland by species and diameter class, Mississippi Delta, 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										
Shortleaf pine	49.9	3.6	12.2	9.6	12.0	9.2	2.4	...	0.9	...	...
Loblolly pine	28.5	0.6	5.0	8.0	4.2	3.3	1.2	1.9	0.7	3.7	...
Redcedar	8.6	2.3	3.3	1.2	...	...	1.8	...	...	...	...
Cypress	45.8	...	2.6	5.0	10.8	4.1	2.4	4.2	1.0	10.0	5.8
Total softwoods	132.8	6.5	23.1	23.7	26.9	16.5	7.8	6.0	2.6	13.7	5.8
Select white oaks	51.6	2.3	3.9	4.2	9.7	6.6	5.7	4.2	3.1	11.2	0.9
Select red oaks	82.6	2.9	5.9	3.6	5.6	8.2	7.7	10.7	8.9	22.7	6.4
Other white oaks	84.3	2.4	7.6	6.9	8.3	7.0	9.2	6.7	11.1	16.5	8.6
Other red oaks	312.6	10.3	23.5	29.1	25.5	40.7	35.9	36.0	27.6	63.0	20.9
Sweet pecan	35.2	1.2	1.5	5.4	3.9	2.6	3.4	1.9	1.8	10.1	3.3
Water hickory	62.4	3.9	6.4	4.6	4.3	8.5	7.6	8.2	7.0	11.9	...
Other hickories	73.8	3.5	5.6	10.0	14.2	12.1	9.1	7.8	4.9	6.5	...
Persimmon	16.4	3.2	3.3	6.4	1.4	0.5	0.5	0.5	0.6	...	...
Hard maple	5.4	1.0	0.7	1.8	1.5	...	...	0.4	...	...	...
Soft maple	11.5	0.9	1.5	2.6	0.4	1.7	0.7	1.7	0.3	1.8	...
Boxelder	31.1	2.0	2.7	9.3	5.0	3.3	4.9	2.5	0.6	0.8	...
Beech	30.9	1.4	2.9	2.1	1.1	3.3	3.4	5.2	3.5	8.1	...
Sweetgum	300.6	15.2	31.6	47.0	40.6	48.1	38.9	29.8	12.9	31.7	4.6
Blackgum	7.8	0.2	0.7	0.8	0.5	1.1	2.0	1.7	...	0.8	...
Other gums/tupelos	34.7	0.3	0.8	4.3	6.6	7.8	8.0	3.6	2.8	0.6	...
White ash	23.3	0.4	2.3	1.7	1.8	3.5	1.0	7.5	4.3	0.8	...
Other ashes	94.5	4.7	8.8	8.1	9.0	15.4	14.2	8.6	8.1	12.9	4.7
Sycamore	59.7	0.7	6.2	2.9	2.9	7.3	9.1	7.3	6.3	15.1	2.0
Cottonwood	78.9	0.7	3.9	3.7	1.8	3.2	2.2	5.1	6.7	22.1	29.6
Basswood	7.7	...	0.5	1.6	0.7	2.4	0.7	...	...	1.8	...
Yellow-poplar	51.7	0.8	2.8	3.6	3.7	3.7	8.3	8.8	6.8	9.7	3.6
Magnolia	0.5	...	...	...	0.5	...	...	...	...	...	...
Willow	55.3	0.6	0.5	1.6	2.8	5.0	5.0	11.4	9.8	14.2	4.5
Black walnut	1.8	...	...	0.4	...	0.4	0.5	...	0.5	...	...
Black cherry	5.5	0.4	0.5	...	0.7	1.4	1.1	1.4	...	...	...
American elm	44.8	1.9	10.5	7.6	3.7	9.8	4.3	2.5	1.6	2.9	...
Other elms	32.4	1.9	1.7	5.1	2.0	4.7	3.7	2.3	2.6	8.5	...
Hackberry	154.5	7.6	16.9	25.1	22.0	22.1	19.6	20.6	11.6	9.0	...
Black locust	2.9	0.3	0.4	0.4	1.0	0.9	...	...	...	...	...
Other locusts	7.4	...	0.4	1.6	1.3	0.6	0.8	1.7	1.0	...	...
Sassafras	15.2	0.8	3.2	2.5	1.3	4.4	0.4	1.9	0.7	...	...
Dogwood	3.8	2.5	1.3	...	...	...	...	...	...	...	...
Holly	1.0	...	...	0.4	0.5	...	...	...	...	...	...
Other commercial	1.7	1.1	...	0.6	...	...	...	...	...	...	...
Total hardwoods	1783.6	74.8	158.5	205.1	183.9	236.1	207.9	200.2	145.0	282.7	89.2
All species	1916.3	81.4	181.6	228.8	210.8	252.7	215.7	206.3	147.7	296.4	95.0

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

Species	All classes	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
	Diameter class (inches at breast height)								
	Million cubic feet								
Shortleaf pine	29.1	7.7	10.5	8.1	2.0	...	0.9	...	...
Loblolly pine	19.1	6.3	3.4	2.6	0.9	1.6	0.6	3.7	...
Redcedar	2.4	0.9	...	...	1.6	...	...	...	...
Cypress	39.0	3.5	9.3	3.7	2.2	4.0	0.9	9.7	5.8
Total softwoods	89.6	18.4	23.2	14.4	6.6	5.6	2.4	13.3	5.8
Select white oaks	33.9	...	7.4	5.1	4.7	3.6	2.6	9.8	0.8
Select red oaks	60.2	...	4.1	6.9	6.5	9.4	7.9	20.4	4.9
Other white oaks	57.7	...	5.8	5.9	7.8	5.8	9.7	14.9	7.8
Other red oaks	214.6	...	18.5	34.0	31.6	30.6	23.5	56.7	19.7
Sweet pecan	23.1	...	3.0	2.1	2.7	1.6	1.6	8.8	3.2
Water hickory	39.8	...	3.2	6.5	6.4	7.3	6.1	10.3	...
Other hickories	43.9	...	10.3	9.5	7.5	7.0	4.1	5.5	...
Persimmon	2.7	...	0.8	0.5	0.4	0.4	0.6	...	...
Hard maple	1.6	...	1.2	...	...	0.4	...	...	...
Soft maple	5.6	...	0.3	1.4	0.5	1.6	0.2	1.5	...
Boxelder	12.5	...	3.5	2.5	3.5	1.9	0.6	0.5	...
Beech	20.4	...	0.8	2.5	3.0	4.3	3.1	6.7	...
Sweetgum	172.7	...	28.2	39.6	34.0	26.3	11.3	28.9	4.3
Blackgum	5.2	...	0.3	0.9	1.8	1.4	...	0.7	...
Other gums/tupelos	22.6	...	3.7	6.0	6.7	3.1	2.5	0.5	...
White ash	15.1	...	1.3	2.6	0.6	5.9	3.8	0.8	...
Other ashes	61.5	...	6.0	12.2	12.4	7.9	7.2	11.4	4.3
Sycamore	43.4	...	2.2	5.6	8.1	6.3	5.7	13.6	1.9
Cottonwood	64.5	...	1.0	2.7	1.9	4.6	6.3	20.4	27.8
Basswood	4.5	...	0.6	1.9	0.6	...	...	1.4	...
Yellow-poplar	39.2	...	2.4	3.1	7.5	8.1	6.2	8.8	3.1
Magnolia	0.3	...	0.3	...	...	...	...	...	...
Willow	48.3	...	2.0	4.3	4.5	11.0	9.1	13.1	4.4
Black walnut	1.3	...	...	0.4	0.5	...	0.4	...	...
Black cherry	3.7	...	0.5	1.2	0.8	1.2	...	...	...
American elm	19.8	...	2.6	7.7	3.4	2.0	1.6	2.6	...
Other elms	19.3	...	1.5	3.6	3.2	1.8	2.2	7.0	...
Hackberry	86.2	...	15.3	17.4	16.6	18.2	10.6	8.0	...
Black locust	1.4	...	0.6	0.7	...	...	...	...	...
Other locusts	4.2	...	0.9	0.5	0.6	1.4	0.8	...	...
Sassafras	7.2	...	0.9	3.7	0.3	1.7	0.7	...	...
Holly	0.3	...	0.3	...	...	...	...	...	...
Total hardwoods	1136.7	...	129.4	190.9	178.3	174.9	128.5	252.3	82.3
All species	1226.3	18.4	152.6	205.3	185.0	180.5	130.9	265.7	88.1

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

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Shortleaf pine	50.9	49.9	1.1	...
Loblolly pine	29.3	28.5	0.8	...
Redcedar	11.0	8.6	2.2	0.2
Cypress	55.3	45.8	5.0	4.5
Total softwoods	146.6	132.8	9.1	4.7
Select white oaks	60.7	51.6	6.2	2.9
Select red oaks	96.4	82.6	9.6	4.2
Other white oaks	108.5	84.3	15.2	9.0
Other red oaks	378.5	312.6	45.5	20.4
Sweet pecan	40.9	35.2	5.7	...
Water hickory	78.5	62.4	12.7	3.4
Other hickories	80.3	73.8	6.2	0.4
Persimmon	19.9	16.4	3.1	0.4
Hard maple	6.9	5.4	1.5	...
Soft maple	17.1	11.5	5.0	0.6
Boxelder	58.2	31.1	25.2	1.9
Beech	41.1	30.9	5.4	4.8
Sweetgum	353.9	300.6	41.3	12.0
Blackgum	9.3	7.8	1.3	0.3
Other gums/tupelos	45.2	34.7	9.5	1.0
White ash	26.4	23.3	2.3	0.8
Other ashes	125.3	94.5	27.9	3.0
Sycamore	71.1	59.7	9.6	1.8
Cottonwood	84.6	78.9	3.8	1.9
Basswood	11.6	7.7	3.2	0.7
Yellow-poplar	54.2	51.7	2.5	...
Magnolia	1.4	0.5	0.9	...
Willow	65.9	55.3	8.2	2.5
Black walnut	2.0	1.8	0.1	...
Black cherry	7.3	5.5	1.7	0.1
American elm	57.2	44.8	10.8	1.7
Other elms	41.3	32.4	7.2	1.7
Hackberry	204.7	154.5	46.8	3.3
Black locust	3.3	2.9	0.3	...
Other locusts	9.9	7.4	2.5	...
Sassafras	25.1	15.2	4.9	5.0
Dogwood	6.8	3.8	3.0	...
Holly	1.0	1.0	...	...
Other commercial	6.4	1.7	3.5	1.2
Total hardwoods	2201.1	1783.6	332.7	84.8
Noncommercial	42.5	...	42.5	...
All species	2390.1	1916.3	384.2	89.6

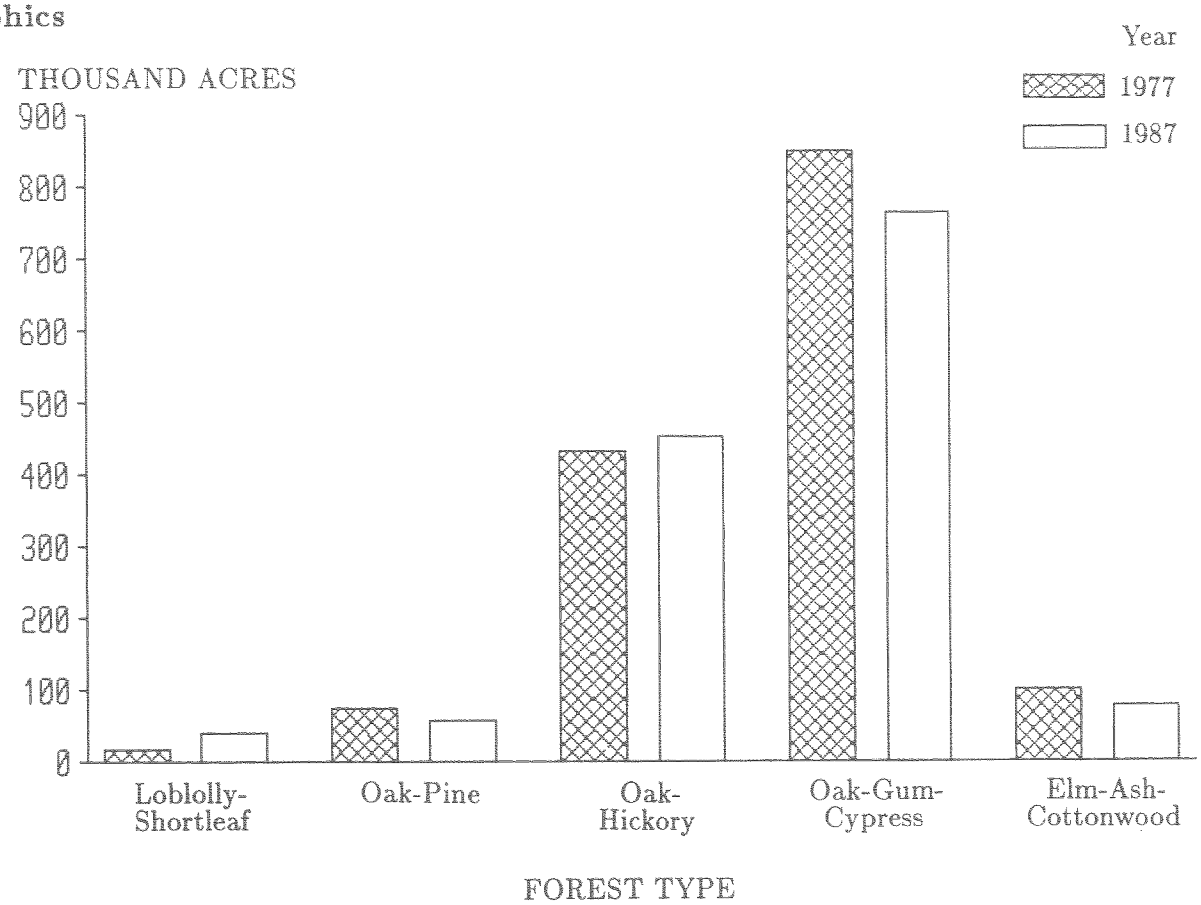


Figure 1.—*Area of timberland by forest type, Mississippi, Delta Region, 1977 and 1987.*

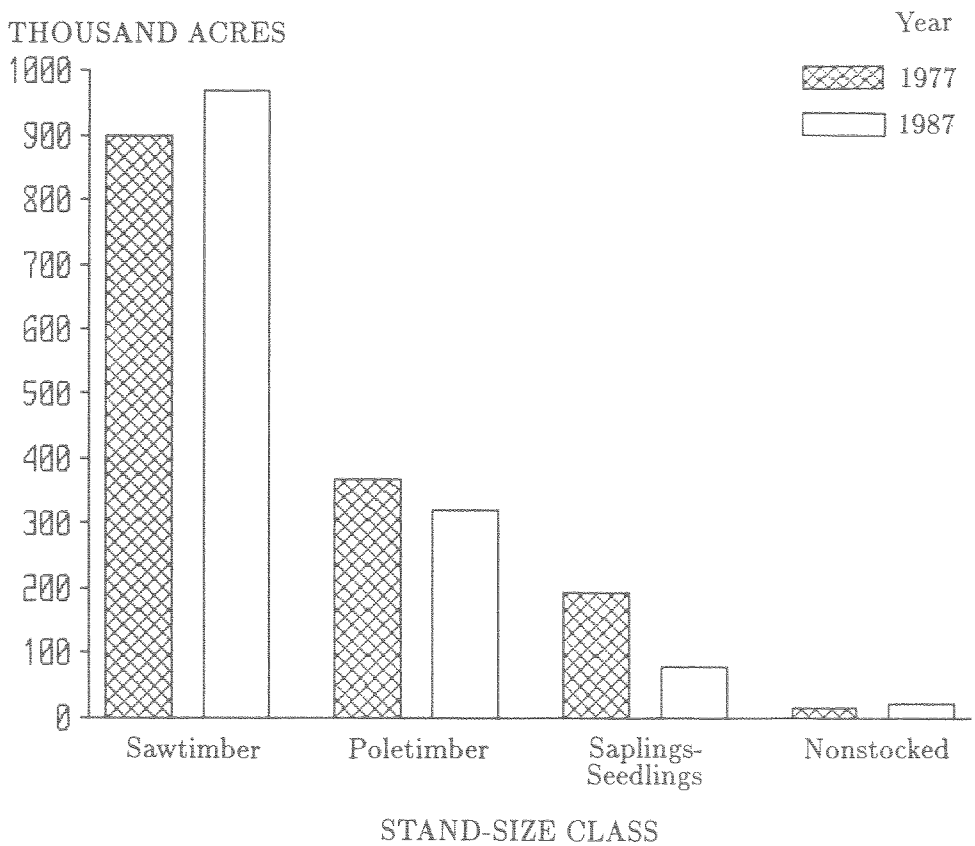


Figure 2.—*Area of timberland by stand-size class, Mississippi, Delta Region, 1977 and 1987.*

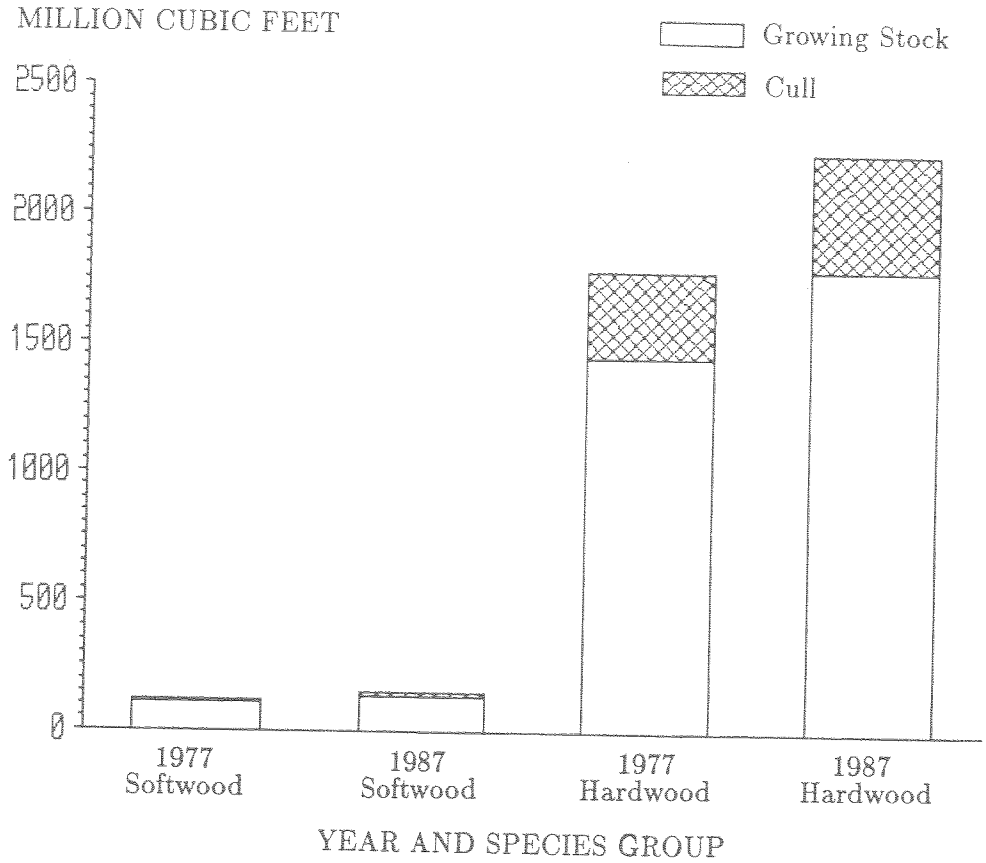


Figure 3.—*Volume of timber on timberland by species group and class of timber, Mississippi, Delta Region, 1977 and 1987.*

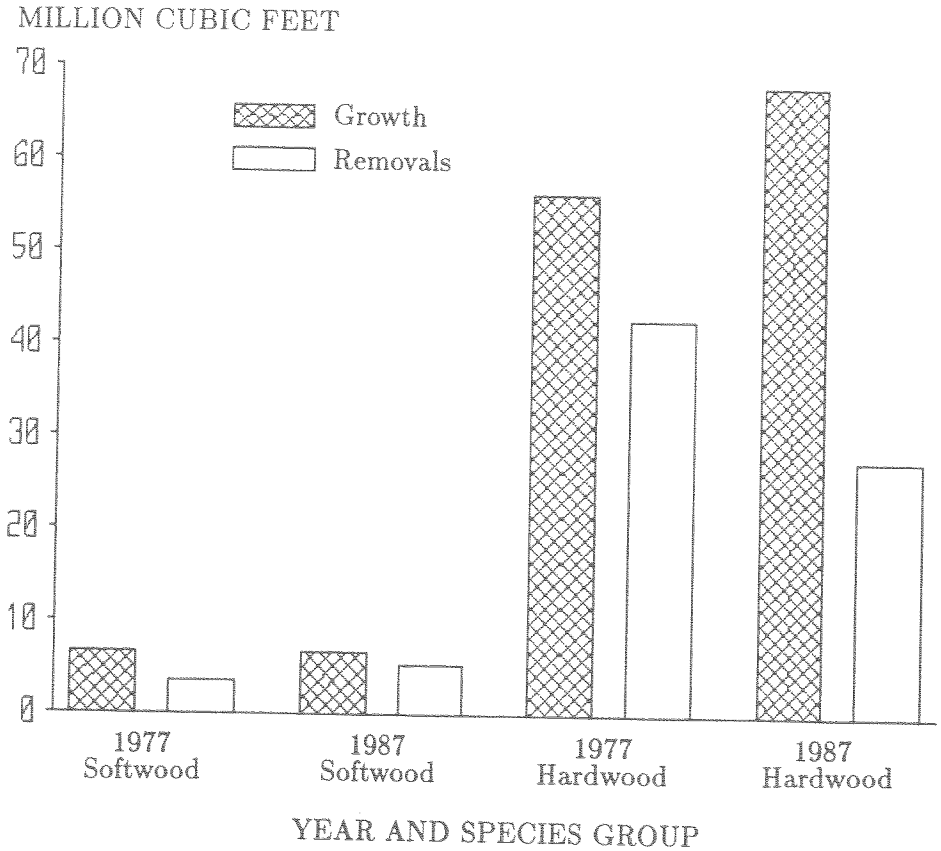


Figure 4.—*Average net annual growth and average annual removals of growing stock on timberland by species group, Mississippi, Delta Region, 1977 and 1987.*

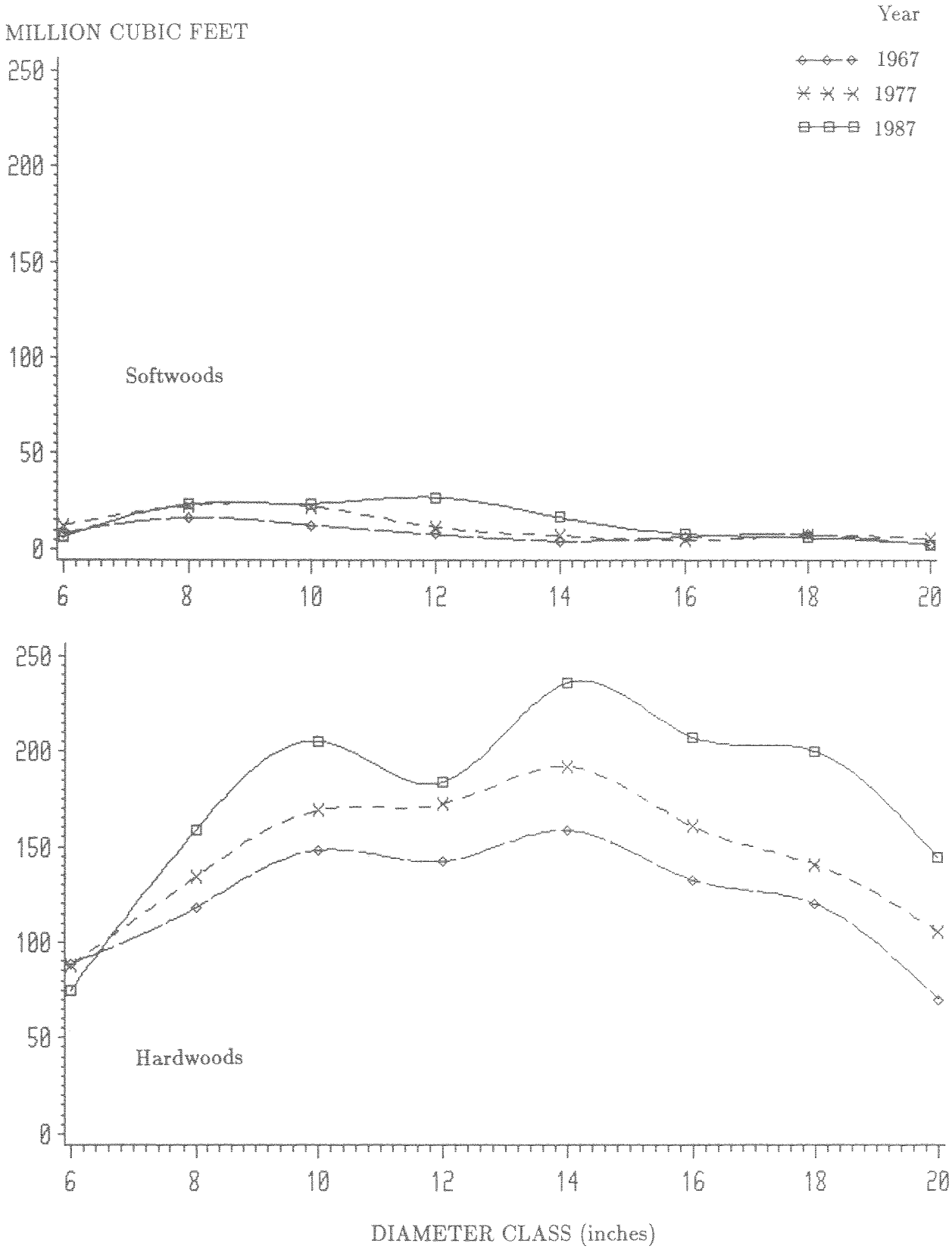


Figure 5.—*Volume of softwood and hardwood growing stock on timberland by diameter class, Mississippi, Delta Region, 1967, 1977, and 1987.*

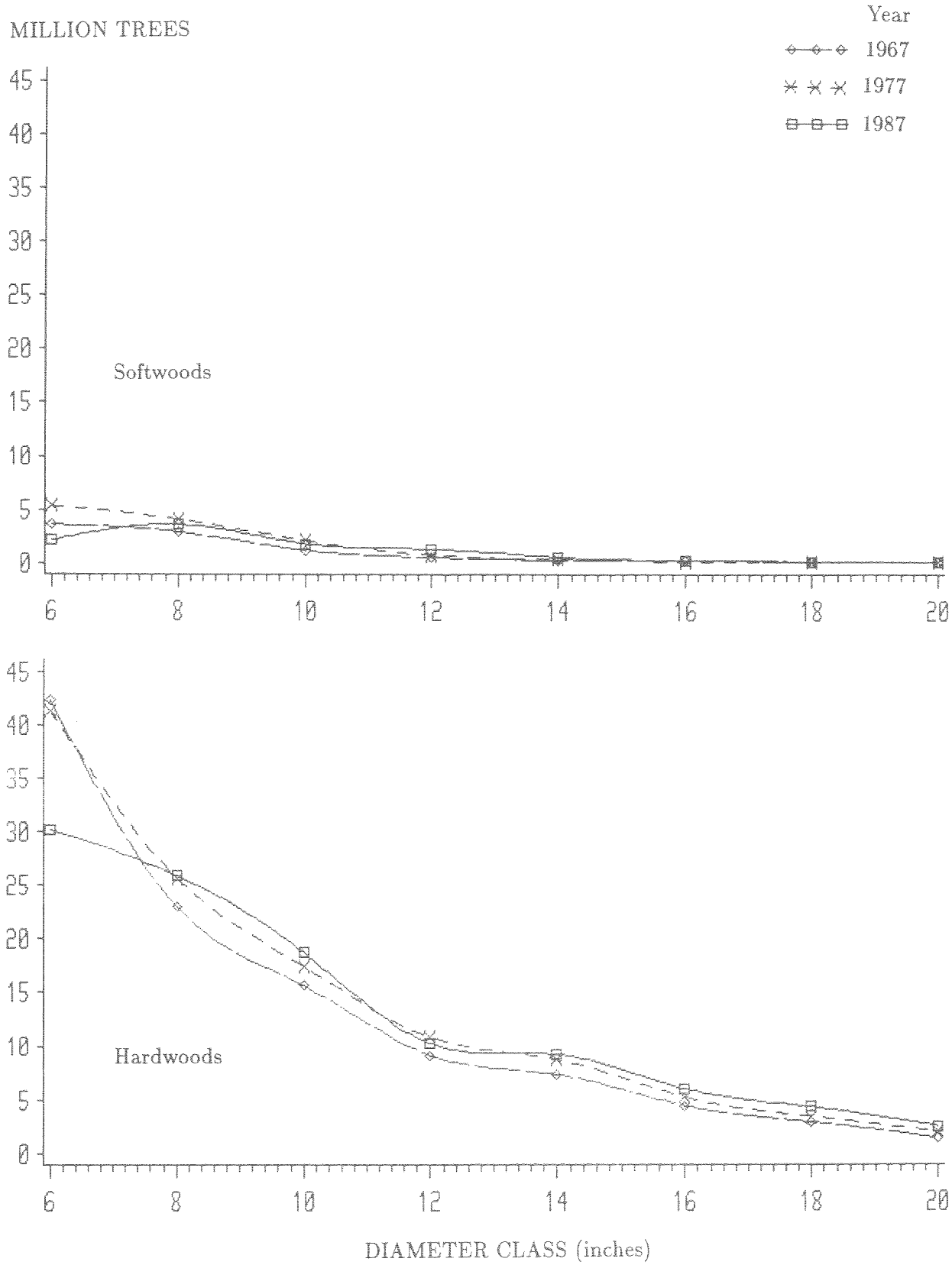


Figure 6.—*Number of softwood and hardwood growing stock trees on timberland by diameter class, Mississippi, Delta Region, 1967, 1977, and 1987.*

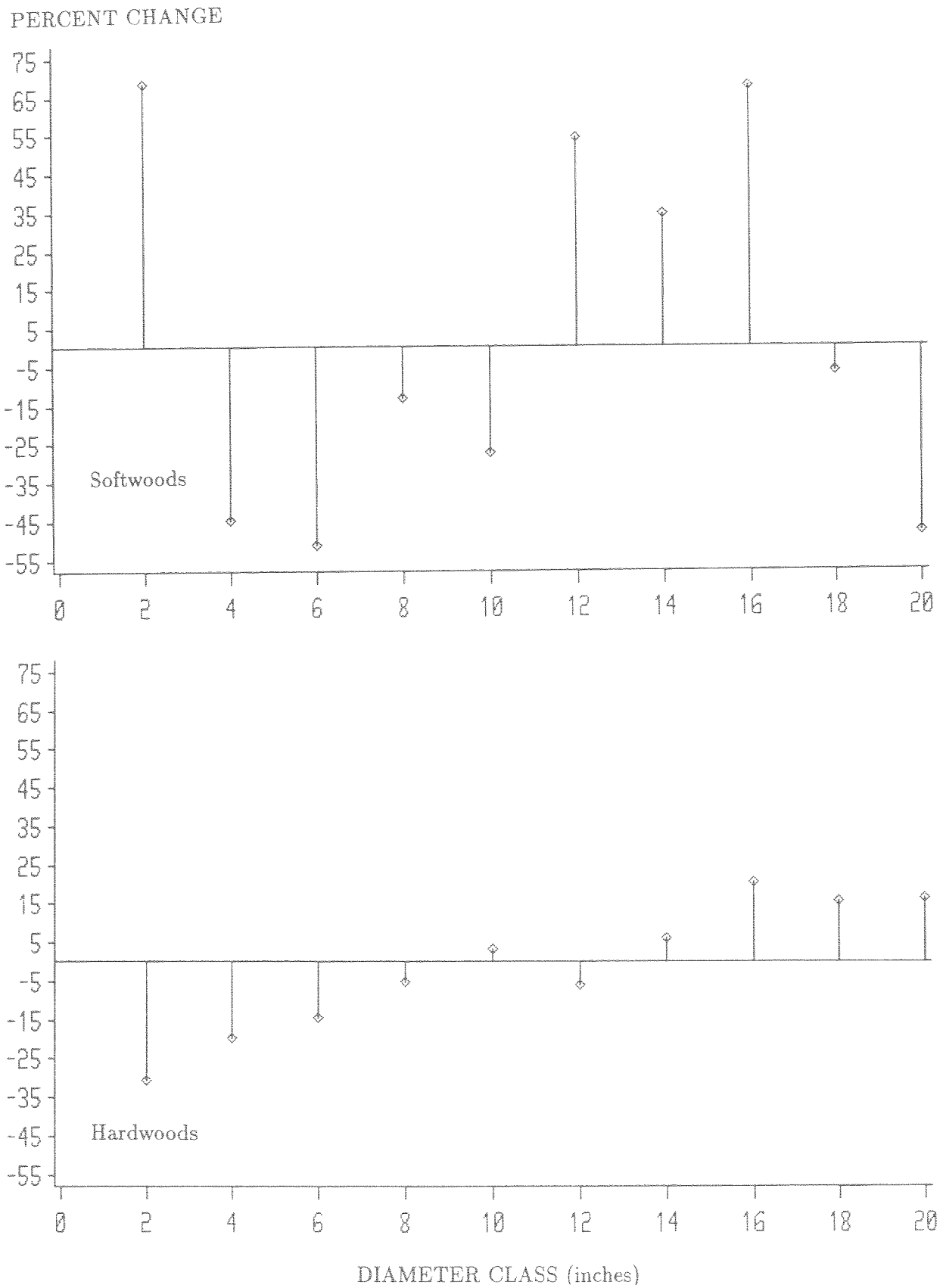


Figure 7.—*Percent change in the number of live softwood and hardwood trees by diameter class, Mississippi, Delta Region, 1977 to 1987.*

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 Mississippi Delta counties—1987. Resourc. Bull. SO-126 . 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 Mississippi Delta counties.

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