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Forest Statistics for South Delta Louisiana Parishes – 1991

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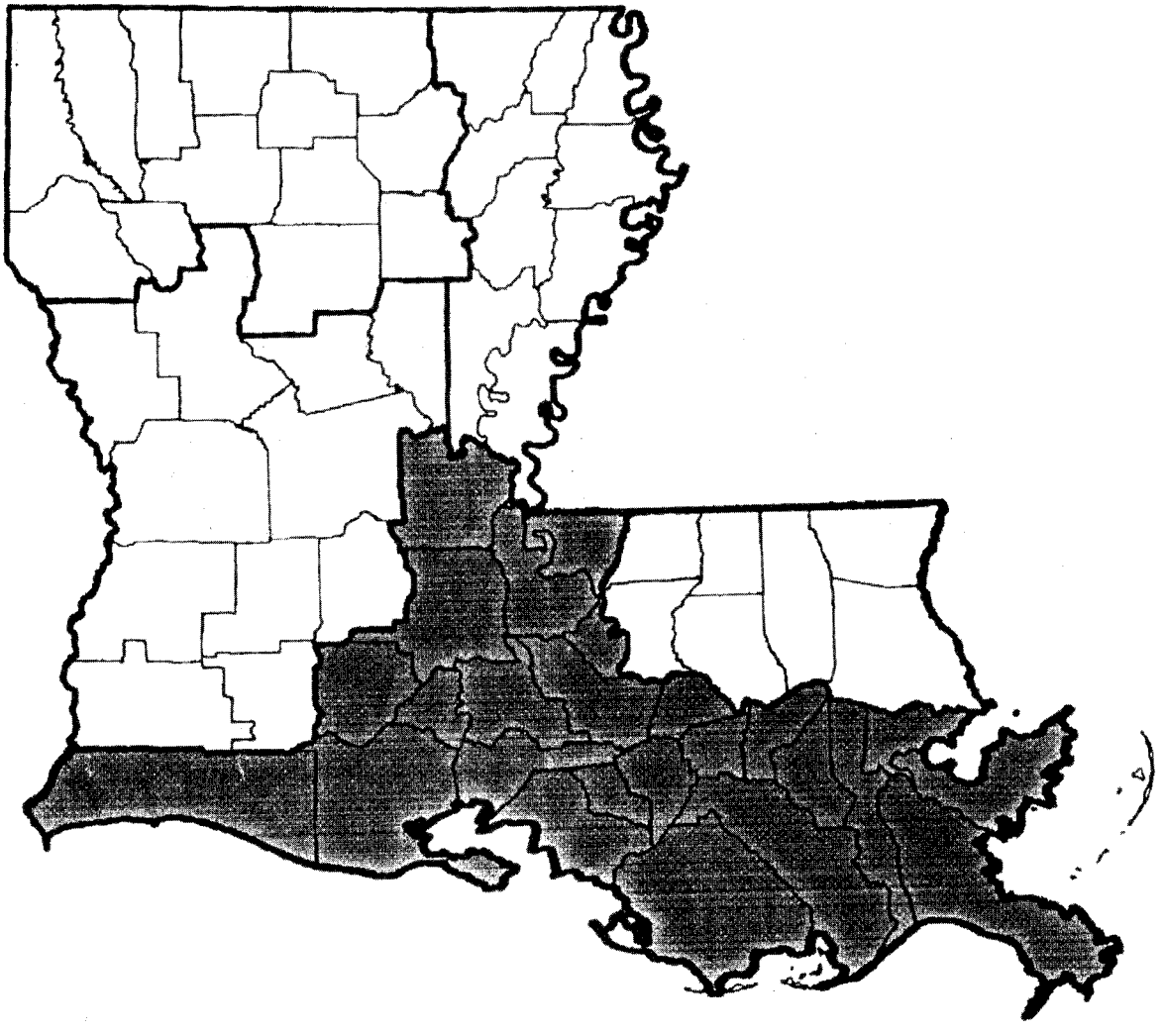

FOREWORD

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

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

ACKNOWLEDGMENTS

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[1]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.

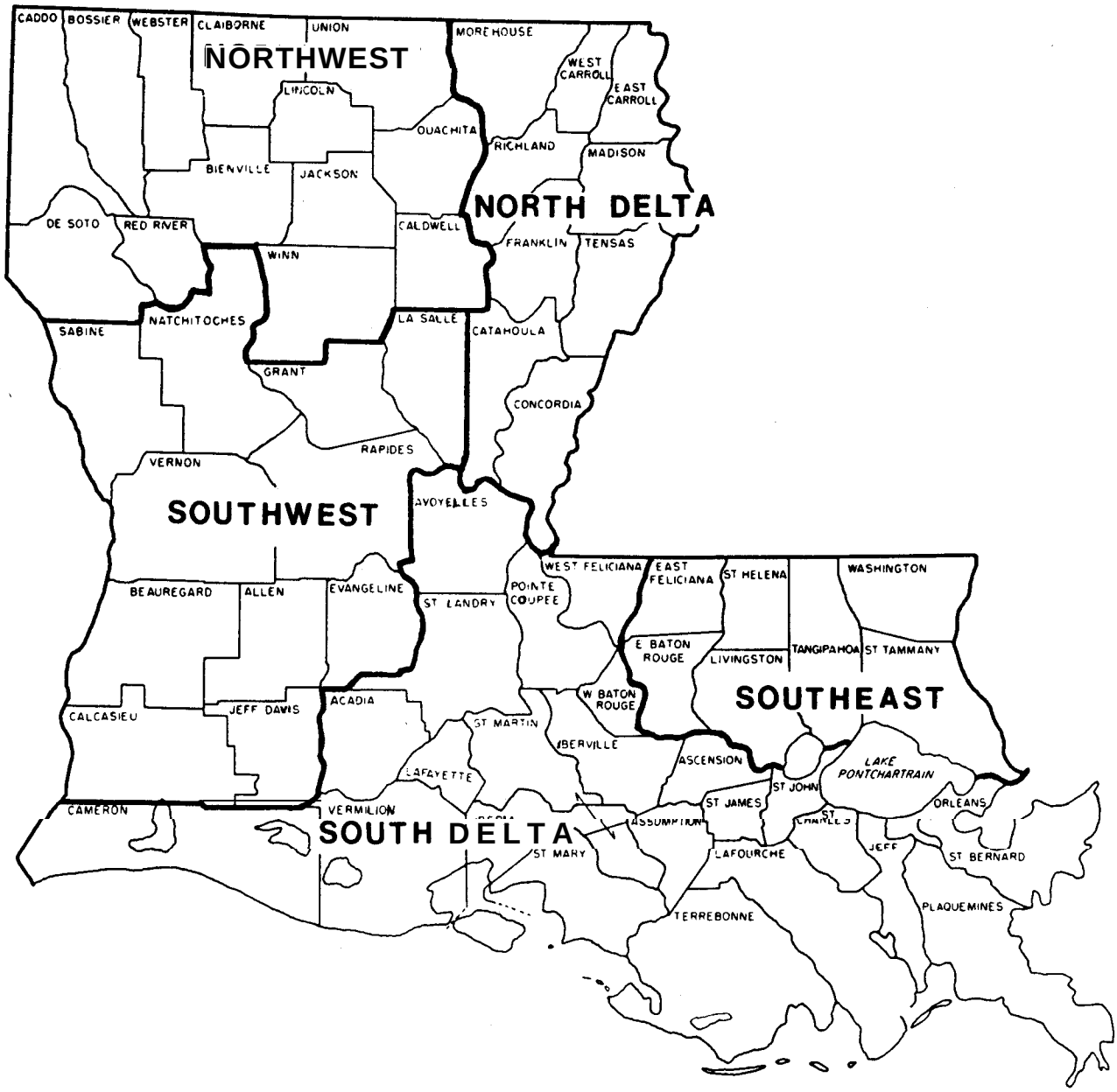

Figure 1.—*Forest* survey *units of Louisiana.*

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INTRODUCTION

Tabulated results were derived from data obtained from a 1991 continuous forest inventory of South Delta Louisiana parishes (fig.1). Core tables (1 to 25) are compatible among Forest Inventory and Analysis units in the Eastern U.S. Supplemental tables (26 to 43) provide information beyond that provided by the core tables. All comparisons between the 1991 and 1984 surveys are based upon reprocessed 1984 data.

METHODS

The estimates of timberland area, volume, growth, removals, and mortality for the South Delta Louisiana parishes are based upon the latest and most up-to-date inventory techniques available. There are important differences in the methods used between the 1984 and 1991 inventories. In many cases, improvements in methodology for deriving current estimates can raise concerns about trends between survey periods. Because these differences might appear to cloud the comparisons between 1984 and 1991 results, the major differences in procedures are documented below.

First, the 1984 inventory used 5 satellite points per plot, the 1991 inventory used 10 points. This should affect comparisons of the South Delta Louisiana unit totals very little, but caution should be used when analyzing smaller aggregations of data.

Second, the 1984 survey used regression equations to estimate volume. The coefficients were based upon deterministic tree measurements from a small number of sample plots. Volumes for the 1991 survey were derived from deterministic measurements made on all trees ≥ 5.0 inches diameter at breast height (d.b.h.) on all plots.

Third, the classification of trees into growing-stock, rough, or rotten classes has been modified in two ways to ensure compatibility among the eastern Forest Inventory and Analysis units. (1) Currently, any tree that contains or is capable of producing one 12-foot or two S-foot logs anywhere in the sawlog portion of the tree is classified as growing stock. The 1984 survey classified growing-stock trees as those that had or were capable of producing a 12-foot log only in the butt 16-foot section. (2) The 1984 survey required that over one-half of the sawlog volume (or prospective volume) had to be utilizable. The current standard is that one-third of the sawlogvolume in the sawlog portion of the tree has to be utilizable in order for the tree to be classed as growing stock.

Using 5 or 10 satellite points per plot has little effect on volume totals for the unit because of the large sample size. Likewise, test runs comparing the results of volume equations and deterministic measurements have also demonstrated very little difference between methods. Here again, a large sample size enhances precision.

The first change in the growing-stock definition (log position) did affect direct comparisons between 1984 and 1991 estimates. To compensate for this definition change, the 1984 inventory data were reprocessed to be compatible with the 1991 growing-stock standard. The total number of trees affected by the definition change is small, and mostly hardwoods because of growth habit. It was not possible to classify all trees by the new growing-stock definition in the 1984 or 1991 data. Some trees died or were cut between measurement periods. Since these trees are gone, cruisers had no way of determining what the classification of these trees would be under the new standard. Therefore, the tree class previously assigned was maintained throughout the compilation process on mortality trees, on rough trees that were cut and not used, and on rotten trees that were cut. All rough trees that were cut and used were reclassified as growing stock.

The second growing-stock definition modification (changing from one-half to one-third sound) had virtually no impact. Only a small number of sawlog-sized sample trees had sound volume in the range of ≥ 33 percent but < 50 percent. Of these, most were reprocessed to resolve log position differences stated earlier. This left only a very few trees that were affected by this definition change, with subsequent little effect on growing-stock trends.

Users interested in trend analysis of growing-stock volume, growth, removals, and mortality between the 1984 and 1991 surveys should be aware of the impact of the growing-stock definition change. The incompatibility arises from trees that were cut or died, impacting growth, removals, and mortality estimates. The magnitude is, most likely, small but not possible to define with certainty.

Growing-stock comparisons between the 1984 reprocessed data and the 1991 data are valid for most general applications. However, in a more rigorous analysis it is important to make sure the changes are real and not due to definition changes. In such instances the comparisons between surveys should be done using all live trees. This procedure eliminates any uncertainties caused by the

Table *I-Sampling errors*[1] *for timberland, live trees, growing stock, and sawtinzber, South Delta Louisiana Parishes, 1991*

Parish	Timberland	Live trees			Growing stock			Sawtimber volume
		Volume	Growth	Removals	Volume	Growth	Removals	
	Percent							
Acadia	1.6	17.1	21.1	(2)	18.6	(2)	(2)	22.9
Ascension	3.6	18.5	(2)	(2)	21.1	(2)	(2)	23.4
Assumption	2.2	9.9	32.8	(2)	10.8	15.6	(2)	12.4
Avoyelles	2.1	8.1	18.8	42.9	9.6	17.9	44.9	12.6
Iberia	1.7	14.5	30.8	(2)	16.5	47.1	(2)	20.5
Iberville	1.7	6.0	19.1	(2)	7.4	17.1	(2)	8.6
Lafayette	2.2	...	.		...	...	...	
Lafourche	1.9	11.6	(2)	(2)	14.8	(2)	(2)	19.1
Pointe Coupee	1.9	7.6	14.4	(2)	8.8	16.9	(2)	11.8
St. Charles	1.5	13.8	(2)	(2)	14.0	41.3	(2)	15.8
St. James	3.6	14.3	40.7	(2)	18.3	(2)	(2)	23.7
St. John the Baptist	3.4	22.7	(2)	26.1	23.6	.	32.7	38.6
St. Landry	1.5	9.4	15.0	30.5	10.6	13.4	29.6	12.4
St. Martin	1.5	6.9	12.9	(2)	8.0	16.2	(2)	10.0
St. Mary	1.8	18.4	(2)	...	19.7	21.1	...	24.8
Terrebonne	2.8	14.3	(2)	(2)	14.9	(2)	49.8	17.4
Vermilion	0.5	(2)	(2)	...	(2)	(2)	...	(2)
West Baton Rouge	4.2	16.5	(2)	(2)	18.7	(2)	(2)	22.0
West Feliciana	3.2	10.7	27.6	35.0	11.6	16.5	35.4	13.2
All parishes	0.5	3.1	10.1	15.7	3.5	8.4	15.9	4.1

[1]By random-sampling formula.
[2]Sampling error greater than 50.

growing-stock definition changes. Finally, to further enhance trend analysis, a slight improvement in precision was made in the 1984 volume estimates by using all the deterministic measurements from the 1991 survey to develop new volume coefficients. Therefore, because of the change in the growing-stock standard and the improved volume coefficients, estimates for the reprocessed 1984 data may differ slightly from those previously published.

One last comment needs to be made about a measurement condition that is notable in the South Delta unit. It is difficult to measure d.b.h. on cypress and tupelo trees consistently between survey periods so that only real change is emphasized. Siltation, changes in flooding regimes, and diameter growth may cause a change in the normal diameter measurement point in swell-butted trees to the degree that determining volume and growth trends between the past and current surveys contains a higher degree of uncertainty than normally expected. Therefore, this additional measurement problem in the South Delta unit may affect the reliability of inventory results in a way that cannot be determined statistically.

STATISTICAL RELIABILITY

The sampling methods were designed to give reliable estimates of area and volume at the State level in accordance with acceptable sampling error standards. Subsequently, the sampling error of the estimates increases as the area or volume under consideration decreases. The sampling errors presented in table I are equal to one standard deviation for the sample data.

Results are reported by individual parishes, thereby allowing computation of statistical confidence for any combination of parishes. Sampling error may be estimated by using the following formula:

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

where:

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

For example, statistics for growing-stock volume in Iberville, Lafayette, and St. Martin parishes are derived as follows:

$$SE_g = \frac{3.5 \sqrt{3,878.2}}{\sqrt{983.2}} = \frac{3.5 \times 62.28}{31.36} = 7.0 \text{ percent}$$

The 95-percent confidence interval is:

983.2± 1.96 (0.070x983.2) = 983.2± 134.9

The sampling error for growing-stock volume for the three parishes is 7.0 percent. The 95-percent confidence interval is 848.3 to 1,118.1 million cubic feet. This interval covers the true growing-stock inventory volume for these three parishes unless a 1 in 20 chance of a random event has occurred.

Table II — *Components of annual change in the volume of live trees by inventory period and species group, South Delta Louisiana Parishes, 1991*

Inventory period and species group	Gross growth		Removals
	Net growth	Mortality	
	Million cubic feet		
1974 to 1983:			
Softwoods	30.1	1.6	4.7
Hardwoods	67.4	59.7	32.1
Total	97.5	61.3	36.8
1984 to 1991:			
Softwoods	17.4	4.6	14.4
Hardwoods	64.2	56.9	50.1
Total	81.6	61.5	64.5

HIGHLIGHTS

Timberland Area

Currently, the estimate for timberland area is 2,224.8 thousand acres. This is a 7-percent decrease from the 1984 estimate of 2,391.3 thousand acres.

Forest Type

The predominant forest type in the South Delta Louisiana unit is oak-gum-cypress at 1,786.0 thousand acres. This is a 203.8-thousand acre decrease from the 1984 estimate. Second in dominance is the elm-ash-cottonwood type occurring on 268.7 thousand acres of timberland.

Ownership

Nonindustrial private timberland has decreased slightly from 2,094.1 thousand acres in 1984 to 1,847.7 thousand acres, currently. In contrast, forest industry acreage increased, from 159.6 thousand acres to 258.4 thousand acres.

Stand Size

A large portion of the South Delta unit is in sawtimber stands, 1,879.2 thousand acres. This is 84 percent of total timberland in the unit and represents no change from that reported in 1984. Poletimber and sapling-seedling stands decreased only slightly in acreage, 107.2 and 47.7 thousand acres, respectively.

Softwood Volume

Softwood live-tree volume is currently 1,293.6 million cubic feet, a 6-percent decrease from the 1,373.0 million cubic feet reported in 1984. Ninty-two percent of the softwood volume is in cypress.

Hardwood Volume

Hardwood'live-tree volume is essentially unchanged from that reported in 1984. The current estimate is 3,265.9 million cubic feet; the 1984 estimate was 3,298.6 million cubic feet. The plurality of volume is in tupelo, 707.6 million cubic feet (22 percent of hardwood volume). Other notable species include red oaks, willow, ashes, hackberries, and sweetgum with 349.3, 333.0, 322.9, 303.5, and 300.0 million cubic feet, respectively.

Growth

Softwood live-tree gross growth averages 22.0 million cubic feet per year, a decrease of 31 percent from the previous survey period when it averaged 31.7 million cubic feet annually (table II). Softwood gross growth averages 10 cubic feet per acre per year for the current survey period.

Hardwood live-tree gross growth averages 121.1 million cubic feet per year, down slightly (5 percent) from the 127.1 million cubic feet per year reported in 1984 (table II). The per acre average for hardwood gross growth is currently 54 cubic feet per year.

Removals

The removal of live-tree softwood volume has increased over the previous survey period. Current removals are 14.4 million cubic feet annually; previous survey removals averaged 4.7 million cubic feet per year (table II).

Hardwood live-tree removals also increased. They are averaging 50.1 million cubic feet per year for the current period, a 56-percent increase from the 32.1 million cubic feet per year reported for the prior survey (table II).

Mortality

Live-tree mortality has increased slightly for softwoods and decreased slightly for hardwoods. Currently, softwood mortality is averaging 4.6 million cubic feet per year; hardwood mortality is averaging 56.9 million cubic feet per year (table II).

Stand Structure

The average basal area of live trees on timberland in the South Delta unit decreased only slightly, from 117.5 square feet per acre in 1984 to 115.1 square feet per acre, currently. The major components of total basal area were hardwood sawtimber, hardwood poletimber, and softwood sawtimber. Proportionately, they contributed 48, 22, and 19 percent, respectively, to the total basal area.

The total number of live trees has decreased 18 percent from the 1984 estimate. Eighty-four percent of this decrease was in hardwoods. The majority of the decrease was in the diameter classes ranging from 1.0 through 13.0 inches d.b.h. Most of the decline can be attributed to the loss of 166.5 thousand acres of timberland since the last survey.

APPENDIX

Definition of Terms

Forest Land Classes

Forest land – Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest uses. Minimum area considered for classification is one acre. Forest land is divided into a commercial category: timberland; and two noncommercial categories: reserved timberland or woodland.

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.

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

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

Ownership Classes

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

Other federal land – Federal lands other than National Forests.

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

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

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

Nonindustrial private land (individual) -Lands privately owned by individuals other than forest industries, farmers, or miscellaneous private corporations.

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

Forest Types

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

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

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

Oak-hickory – Forests in which upland oaks or hickories, singly or in combination, comprise a plurality of the stocking except where pines comprise 25-50 percent in which case the stand would be classified oak-pine. Common associates include yellow-poplar, elms, maples, and black walnut.

Oak-gum-cypress – Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprise a plurality of the stocking except where pines comprise 25-50 percent, in which case the stand would be classified oak-pine. Common associates include cottonwood, willow, ashes, elms, hackberries, and maples.

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

Nontyped – Timberland currently unoccupied with any live trees or seedlings, e.g., very recent clearcut areas.

Tree Classes

Commercial ***species-*** Tree species currently or potentially suitable for industrial wood products. Excluded are noncommercial species.

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

Growing-sbck trees – Living trees of commercial species. Trees must have one 12-foot or two 8-foot logs currently or potentially to be classed as growing stock. The log(s) must meet dimension and merchantability standards to qualify. Trees must also have, currently or potentially (if too small to qualify), one-third of the gross board-foot volume in sound wood.

Rough trees-Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because

of roughness or poor form in the sawlog section. Also included are all live trees of noncommercial species. See growing-stock definition.

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

Cull trees -Rough or rotten trees.

Hardwoods- Dicotyledonous trees, usually broad leaved and deciduous.

Softwoods – Coniferous trees, usually evergreen, having needle or scalelike leaves.

Live frees-All trees alive. Included are all size classes (≥ 1.0 inch d.b.h.), all tree classes, and both commercial and noncommercial species.

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

Dimension Classes of Trees

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

Poletimber trees – 5.0 to 8.9 inches in d.b.h. for softwoods and 5.0 to 10.9 inches d.b.h. for hardwoods.

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

Seedlings-Trees which are less than 1.0 inch in d.b.h. and greater than 1 foot tall for hardwoods, greater than 6 inches tall for softwoods, and greater than 1/2 inch in diameter at ground level for longleaf pine.

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

Stand-Size Classes

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

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

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

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

Stocking

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

The following tabulation by size class shows the density standard in terms of trees required per acre, for full stocking:

D.b.h. (inches)	Number of trees	D.b.h. (inches)	Number of trees
Seedlings	600	16	72
2	560	18	60
4	460	20	51
6	340	22	42
8	240	24	36
10	155	26	31
12	115	28	27
14	90	30	24

Volume

Volume of cull – Volume of sound wood in the bole of rough and rotten trees.

Volume of growing stock – Volume of sound wood in the bole of growing-stock trees from a l-foot stump to a minimum 4.0-inch top outside bark or to the point where the central stem breaks into limbs. Rough, rotten, and noncommercial trees are excluded. By definition, trees must be ≥ 5.0 inches d.b.h.

Volume of sawtimber – Net volume of the sawlog portion of live sawtimber trees in board feet of the International 1/4-inch rule. Net volume equals gross volume less deductions for rot, sweep, and other defects that affect use for lumber to the point where the central stem breaks into limbs. Rough, rotten, and noncommercial trees are excluded.

Volume of live trees -The volume of sound wood in the bole of growing stock, rough, and rotten trees ≥ 5.0 inches d.b.h. from a l-foot stump to a minimum 4.0-inch top diameter outside bark or to the point where the central stem breaks into limbs.

Growth Classes

Gross growth -Total increase in stand volume computed on growing-stock trees or live trees ≥ 5.0 inches d.b.h. Gross growth equals survivor growth plus ingrowth plus growth on removals plus growth on mortality plus cull increment plus mortality.

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

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

Miscellaneous Definitions

Basal area – The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed in square feet per acre.

D.b.h. (diameter at breast height) -Tree diameter in inches, outside bark, measured at 4 1/2 feet above ground.

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

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

Mortality – Number or sound-wood volume of live trees dying from natural causes during a specified period.

Plantations-Stands evidenced by regeneration from planting or artificial seeding.

Sawlog portion – That part of the bole of a sawtimber tree between a l-foot stump and the sawlog top.

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

Select red *oaks* – A classification of several red oak species composed of: cherrybark, Shumard, and northern red oaks.

Select white oaks-A classification of several white oak species composed of: white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks.

Site *classes* – A classification of forest land in terms of potential capacity to grow crops of industrial wood.

Timber removals -The net volume of growing-stock trees removed from the inventory by harvesting or cultural operations such as timber-stand improvement, land clearing, or change in land use.

Tree grade-The grade classification assigned to a sawtimber tree, which is based upon: (1) the log grade of the butt log portion (the best 12 feet of first 16 feet), or (2) the presence of at least one 12-foot or two 8-foot logs in the upper sawlog portion when no butt log is present.

Upper-stem portion -That part of the main stem or fork of a sawtimber tree above the sawlog top to a diameter outside bark of 4.0 inches or to the point where the main stem or fork breaks into limbs.

Table 1 -*Area by parish and land class, South Delta Louisiana Parishes, 1991*

Parish	All land'	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
Acadia	420.3	75.9	75.9	. . . . .		344.4
Ascension	189.4	90.4	90.4	. . . . .		99.0
Assumption	219.0	128.5	128.5	. . . . .		90.6
Avoyelles	541.7	147.3	147.3	. . . . .		394.4
Iberia	377.0	115.4	115.4	. . . . .		261.5
Iberville	408.0	271.4	277.4	. . . . .		130.7
Lafayette	172.6	12.3	12.3	. . . . .		160.3
Lafourche	730.0	114.1	114.1	. . . . .		615.9
Pointe Coupee	362.1	134.6	134.6	. . . . .		227.6
St. Charles	183.2	53.5	53.5	. . . . .		129.7
St. James	158.8	79.1	79.1	. . . . .		79.7
St. John the Baptist	136.3	76.9	76.9	. . . . .		59.4
St. Landry	s99.i	164.7	164.7	. . . . .		434.4
St. Martin	479.4	315.5	315.5	. . . . .		163.9
St. Mary	392.1	124.4	124.4	. . . . .		267.7
Terrebonne	875.1	71.3	71.3	. . . . .		803.7
Vermilion	771.3	25.7	25.7	. . . . .		745.7
West Baton Rouge	123.9	49.2	49.2	. . . . .		74.7
West Feliciana	259.6	168.5	168.5	. . . . .		91.1
All parishes	7399.2	2224.8	2224.8	. . . . .		5174.4

'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 parish and ownership class, South Delta Louisiana Parishes, 1991*

Parish	All ownerships	National forest	Misc. federal	State	Parish and municipal	Forest industry[1]	Farmer	Corporate*	Individual[2]
	Thousand acres								
Acadia	75.9	...	...		4.5	4.5	8.9	22.3	35.7
Ascension	90.4	...	...	...	...	...	...	32.3	58.1
Assumption	128.5	...	...	...	...	13.5	6.8	74.4	33.8
Avoyelles	147.3		4.9	4.9	24.6	29.5	14.7	49.1	19.6
Iberia	115.4	...	...	5.2	...	...	5.2	73.5	31.5
Ibetville	277.4	...	5.7	28.3	...	79.2	...	124.5	39.6
Lafayette	12.3	...	...		...	...	...	...	12.3
Lafourche	114.1	...	...	...	...	...	...	72.1	42.0
Pointe Coupee	134.6	...	...		...	...	22.4	50.5	61.7
St. Charles	53.5	...	3.6	...	...	...	...	21.4	28.6
St. James	79.1	...	...	...		19.8	...	19.8	39.6
St. John the Baptist	76.9	...	...	...	.	21.0	...	34.9	21.0
St. Landry	164.7	...	...	...	4.8	48.4	29.1	29.1	53.3
St. Martin	315.5	...	...	19.3	.	6.4	...	231.8	57.9
St. Mary	124.4	...		6.9	...	...	20.7	48.4	48.4
Terrebonne	71.3	...	...			...	14.3	14.3	42.8
Vermilion	25.7	...	...	.	...	...	..	...	25.7
West Baton Rouge	49.2	...	...	...	...	...	...	43.1	6.2
West Feliciana	168.5	...	...	6.0	.	36.1	30.1	12.0	84.3
All parishes	2224.8		14.1	70.7	33.9	258.4	152.3	953.4	742.0

'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 parish and forest type group, South Delta Louisiana Parishes, 1991*

Parish	Total	Forest type group						
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Nontyped[1]
		Planted	Natural					
	Thousand acres							
Acadia	75.9	...	8.9	4.5	13.4	40.2	4.5	4.5
Ascension	90.4	...	6.5	...	...	77.5	6.5	...
Assumption	128.5	...	...	...	...	114.9	13.5	...
Avoyelles	147.3	...	9.8	...	...	132.6	4.9	...
Iberia	115.4	...	...	...	15.7	84.0	15.7	...
Iberville	277.4	...	...	...	...	220.8	56.6	...
Lafayette	12.3	...	...	...	...	12.3	...	...
Lafourche	114.1	...	...	...	...	114.1	...	...
Pointe Coupee	134.6	...	...	...	...	123.4	11.2	...
St. Charles	53.5	...	...	...	...	46.4	7.1	...
St. James	79.1	...	...	...	...	79.1	...	...
St. John the Baptist	76.9	...	...	...	...	76.9	...	...
St. Landry	164.7	...	...	9.7	...	155.0	...	...
St. Martin	315.5	...	...	...	12.9	186.7	115.9	...
St. Mary	124.4	...	...	...	...	103.7	20.7	...
Terrebonne	71.3	...	...	...	...	71.3	...	...
Vermilion	25.7	...	...	...	...	25.7	...	...
West Baton Rouge	49.2	...	...	...	...	49.2	...	...
West Feliciana	168.5	6.0	...	12.0	66.2	72.2	12.0	...
All parishes	2224.8	6.0	25.2	26.2	108.2	1786.0	268.7	4.5

[1]Timberland with no current stocking.

Table 4—*Area of timberland by parish and stand-size class, South Delta Louisiana Parishes, 1991*

Parish	All classes	Stand-size class			Nonstocked[1] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Acadia	75.9	53.6	13.4	4.5	4.5
Ascension	90.4	77.5	6.5	6.5	...
Assumption	128.5	128.5	...	...	...
Avoyelles	147.3	127.7	9.8	9.8	...
Iberia	115.4	78.7	26.2	105	...
Iberville	277.4	254.7	11.3	11.3	...
Lafayette	12.3	12.3	...	...	...
Lafourche	114.1	108.1	6.0	...	...
Pointe Coupee	134.6	117.8	11.2	5.6	...
St. Charles	53.5	39.3	7.1	7.1	...
St. James	79.1	79.1	...	...	...
St. John the Baptist	76.9	48.9	28.0	...	...
St. Landry	164.7	145.3	4.8	14.5	...
St. Martin	315.5	270.4	45.1	...	...
St. Mary	124.4	69.1	27.6	27.6	...
Terrebonne	71.3	61.8	4.8	4.8	...
Vermilion	25.7	12.8	12.8	...	...
West Baton Rouge	49.2	43.1	6.2	...	...
West Feliciana	168.5	150.5	6.0	12.0	...
All parishes	2224.8	1879.2	226.9	114.3	4.5

[1]Timberland less than 16.7 percent stocked.

Table 5 -Area of timberland by parish and site class, South Delta Louisiana Parishes, 1991

Parish	All classes	Site class (cubic feet/acre&ear)				
		>165	120-165	85-120	50-85	<50
	-Thousand acres-					
Acadia	75.9	8.9	4.5	35.7	26.8	...
Ascension	90.4	6.5	19.4	19.4	45.2	...
Assumption	128.5	...	20.3	27.0	74.4	6.8
Avoyelles	147.3	24.6	29.5	49.1	44.2	...
Iberia	115.4	...	5.2	26.2	78.7	5.2
Iberville	277.4	17.0	22.6	147.2	84.9	5.7
Lafayette	12.3	...	12.3	36.0	66.1	12.0
Lafourche	114.1	...	...	...	28.0	...
Pointe Coupee	134.6	16.6	33.6	56.1	21.4	17.8
St. James	79.1	...	...	13.2	46.1	19.8
St. John the Baptist	76.9	...	7.0	...	55.9	14.0
St. Landry	164.7	14.5	24.2	72.7	48.4	4.8
St. Martin	315.5	19.3	12.9	141.7	122.3	19.3
St. Mary	124.4	...	13.8	13.8	89.8	6.9
Terrebonne	71.3	...	4.8	...	61.8	4.8
Vermilion	25.7	...	...	...	25.7	...
West Baton Rouge	49.2	18.5	12.3	12.3	6.2	...
West Feliciana	168.5	42.1	36.1	72.2	18.1	..
All parishes	2224.8	171.8	262.1	729.8	944.1	117.1

Table 6 -Area of timberland by parish and stocking classes of growing-stock trees, South Delta Louisiana Parishes, 1991

Parish	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	c 16.7
	-Thousand acres					
Acadia	75.9	...	17.9	26.8	26.8	4.5
Ascension	90.4	...	25.8	38.7	25.8	...
Assumption	128.5	6.8	60.8	54.1	6.8	...
Avoyelles	147.3	...	19.6	88.4	39.3	...
Iberia	115.4	5.2	5.2	63.0	36.7	5.2
Iberville	277.4	...	45.3	130.2	96.2	5.7
Lafayette	12.3	...	...	12.3	...	...
Lafourche	114.1	12.0	18.0	48.0	36.0	...
Pointe Coupee	134.6	...	28.0	84.1	22.4	...
St. Charles	53.5	...	10.7	32.1	10.7	...
St. James	79.1	13.2	13.2	52.7	...	...
St. John the Baptist	76.9	7.0	28.0	28.0	7.0	7.0
St. Landry	164.7	4.8	29.1	92.0	38.8	...
St. Martin	315.5	12.9	51.5	1545	96.6	...
St. Mary	124.4	20.7	34.6	34.6	34.6	...
Terrebonne	71.3	9.5	28.5	14.3	19.0	...
Vermilion	25.7	...	12.8			...
West Baton Rouge	49.2	...	6.2	36.9	...	6.2
West Feliciana	168.5	...	30.1	102.3	36.1	...
All parishes	2224.8	92.2	465.4	1105.9	532.8	28.5

Table 7 -*Area of timberland by forest type and ownership class, South Delta Louisiana Parishes, 1991*

Forest type'	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Loblolly-shortleaf pine	31.2	...	...	...	...	31.2
Softwood total	31.2	...	...	...	...	31.2
Oak-pine	26.2	...	.	...	...	26.2
Oak-hickory	108.2	...	10.5	18.1	...	79.7
Oak-gum-cypress	1786.0	...	65.4	212.1	...	1508.5
Elm-ash-cottonwood	268.7	...	42.8	28.3	...	197.6
Hardwood total	2189.1	...	118.7	258.4	...	1812.0
Nontyped[2]	4.5	...	...	...	...	4.5
All types	2224.8	...	118.7	258.4	...	1847.7

'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 with no current stocking.

Table 8 -*Area of timberland by ownership class and stocking classes of growing-stock trees, South Delta Louisiana Parishes, 1991*

Ownership class	All classes	Stocking class (percent)				
		>130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
Other public	118.7	...	15.8	53.6	49.4	...
Forest industry	258.4	11.4	60.0	131.9	55.2	...
Other private	1847.7	80.7	389.6	920.5	428.3	28.5
All ownerships	2224.8	92.2	465.4	1105.9	532.8	28.5

Table 9 -*Area of timberland by forest type and stand-size class, South Delta Louisiana Parishes, 1991*

Forest type'	All classes	Stand-size class			Nonstocked[2] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Loblolly-shortleaf pine	31.2	20.7	4.5	6.0	...
Softwood total	31.2	20.7	4.5	6.0	...
Oak-pine	26.2	26.2	...	...	...
Oak-hickory	108.2	103.8	4.5	...	...
Oak-gum-cypress	1786.0	1541.8	163.0	81.2	...
Elm-ash-cottonwood	268.7	186.7	55.0	27.1	...
Hardwood total	2189.1	1858.4	222.4	108.3	...
Nontyped[3]	4.5	...	...	...	4.5
All types	2224.8	1879.2	226.9	114.3	4.5

'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.
[3]Timberland with no current stocking.

Table 10 -*Number of live trees on timberland by species and diameter class, South Delta Louisiana Parishes, 1991*

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 pines	13009	6053	3276	193	639	591	786	646	388	229	153	54	
Other yellow pines	205	...	...	116	...	44	30	...	16	...	...		...
Cypress	76739	11363	10561	9639	9626	8056	7184	6357	5383	3881	1997	2323	369
Total softwoods	899.53	17416	13837	9948	10265	8690	7999	7004	5787	4110	2150	2377	369
Select white oaks	1904	888	...	281	208	209	105	...	77	64	. . .	57	16
Select red oaks	4133	1480	1443	238	280	150	53	153	91	72	55	110	9
Other white oaks	12415	6119	2413	963	707	634	222	388	311	193	1.51	246	67
Other red oaks	37629	18847	6223	2621	2218	1849	1388	961	816	703	511	1094	399
Hickory	35405	18661	4478	3827	2366	1940	1255	1012	698	445	321	326	76
Hard maple	1608	1540	...	...	...	...	34	...	34	...	...	...	...
Soft maple	289720	190142	57523	20221	10666	4629	2653	1630	1105	5.50	282	283	36
Beech	3109	1656	1104	212	...	...	...	24	65	. . .	10	38	. . .
Sweetgum	50348	19913	9779	6398	4056	3215	2444	1805	1144	697	413	43s	49
Tupelo-blackgum	92645	15369	15524	10786	12055	13592	11235	7249	3642	1765	536	808	84
Ash	102364	55393	18945	9218	5732	3960	2.595	2083	1588	962	646	1086	156
Cottonwood-aspen	3643	...	1028	451	301	253	439	253	249	267	169	210	23
Yellow-poplar	645	.	552	...	...	...	...	21	34	. . .	20	14	4
Other hardwoods	228430	123383	43281	16130	12708	8094	8026	5141	4289	280.5	1741	2482	349
Total hardwoods	864000	453391	162292	71346	51297	38526	30449	20720	14142	8524	4855	7189	1269
Noncommercial	68489	43827	11148	878.5	2555	1275	330	195	127	65	33	119	31
All species	1022443	514635	187278	90078	64116	48492	38779	27918	20056	12700	7038	9685	1668

Table 11 -*Number of growing-stock trees on timberland by species and diameter class, South Delta Louisiana Parishes, 1991*

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 pines	10504	4415	2457	193	591	591	786	646	388	229	1.53	54	...
Other yellow pines	89	...	...	...	...	44	30	...	16	...	...	...	...
Cypress	65610	8341	7937	8499	8908	5984	6434	6070	5252	3854	1917	2228	187
Total softwoods	76203	12756	10394	8692	9500	6618	7249	6716	5656	4084	2069	2282	187
Select white oaks	927	...	...	191	208	209	105	...	77	64	...	57	16
Select red oaks	3054	961	891	238	280	1.50	53	153	91	72	46	110	9
Other white oaks	6354	2388	1000	682	591	494	116	274	299	145	132	176	57
Other red oaks	22952	8547	3401	2340	1798	1666	1152	826	770	676	470	1028	277
Hickory	20828	6810	4028	2831	1987	1598	1024	903	614	402	262	303	66
Hard maple	68	...	...				34	...	34	...	...	...	...
Soft maple	122928	60572	3432.5	13795	7238	3347	1491	921	592	254	203	177	12
Beech	884	...	552	212	...	...	...	24	47	...	10	38	...
Sweetgum	38080	12317	8302	4831	3538	2944	19.57	1662	1056	684	367	386	36
Tupelo-blackgum	57365	4429	6074	8243	9714	11497	6069	5513	3248	1498	463	579	37
Ash	53378	22826	10889	6259	4285	2978	1320	1405	1188	788	532	819	91
Cottonwood-aspen	3459	...	1028	4.51	213	220	408	2.53	230	267	169	197	23
Yellow-poplar	638	...	552	...	...	...	...	21	34	...	20	7	4
Other hardwoods	103421	42016	18922	9694	9502	61.56	5080	3606	3050	2114	1286	1821	17s
Total hardwoods	434336	160866	89963	49767	39354	31260	18810	15562	11330	6964	3961	5698	801
All species	510539	173623	100358	58459	48853	37878	26059	22278	16985	11047	6030	7981	988

Table 12 — *Volume of growing stock on timberland by species and diameter class, South Delta Louisiana Parishes, 1991*

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 pines	101.8	0.4	4.2	9.6	19.0	20.6	16.8	13.6	12.0	5.5	…
Other yellow pines	2.2	…	…	0.7	0.7	…	0.8	…	…	…	…
Cypress	1110.8	20.1	50.8	72.9	116.1	165.8	195.8	183.1	109.0	173.5	23.8
Total softwoods	1214.8	20.6	55.1	83.2	135.9	186.4	213.4	196.7	120.9	179.0	23.8
Select white oaks	16.9	0.5	1.3	1.9	1.8	…	2.7	3.2	…	3.6	1.9
Select red oaks	30.3	0.5	1.9	1.7	1.2	5.0	3.7	3.3	5.8	9.8	1.3
Otherwhite oaks	53.8	1.3	3.8	4.7	1.3	24.3	27.67.5	29.65.1	25.8	01.11.9	39.27.4
Other red oaks	287.5	6.1	11.4	21.3	20.8	…	…	…	…	…	…
Hickory	161.4	7.5	9.9	17.8	18.1	23.3	19.9	17.4	13.8	23.3	10.3
Hard maple	1.8	…	…	…	0.6	…	1.2	…	…	…	…
Soft maple	200.3	35.0	42.4	33.6	23.7	20.1	16.2	8.5	9.4	10.2	1.3
Beech	6.3	0.6	…	…	…	0.3	1.8	…	0.7	2.9	…
Sweetgum	277.5	11.4	21.9	32.6	39.0	45.1	38.6	32.8	21.1	31.0	3.9
Tupelo-blackgum	605.7	18.0	52.2	116.2	97.2	121.6	89.4	55.8	19.7	31.8	3.8
Ash	264.3	16.2	24.0	29.5	22.6	…	…	…	…	…	7.0
Cottonwood-aspen	67.8	0.7	0.9	2.1	7.7	38.7	38.4	28.1	28.2	47.9	3.0
Yellow-poplar	4.4	…	…	…	…	0.5	1.1	…	1.3	0.7	0.7
Other hardwoods	685.3	24.1	54.2	62.8	86.1	84.4	90.7	82.3	59.7	125.1	15.8
Total hardwoods	2663.4	122.0	224.0	324.1	320.2	368.3	343.2	278.3	192.9	394.8	95.6
All species	3878.2	142.6	279.0	407.2	456.0	554.7	556.6	475.0	313.8	573.8	119.4

Table 13 — *Volume of growing stock in the sawlog portion of sawtimber[1] trees on timberland by species and diameter class, South Delta Louisiana Parishes, 1991*

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 pines	1.9	8.5	17.3	19.1	16.0	12.4	10.9	5.2	…
Other yellow pines	933.0	0.5	0.6	…	0.7	…	…	…	…
Cypress		50.3	93.1	146.8	180.9	171.9	102.6	164.5	23.0
Total softwoods	1024.3	59.3	111.0	165.8	197.7	184.3	113.5	169.7	23.0
Select white oaks	11.1		1.4	…	2.2	2.7	…	3.1	1.7
Select red oaks		…	0.9		3.1	2.9	2.1	8.7	1.3
Other red oaks	23.1	…	…	4.1	6.0	4.0	4.8	9.7	6.3
Other white oaks	2[illegible]9	…	14.9	20.3	23.8	25.1	22.4	69.3	34.7
Hickory	101.6	…	13.6	18.1	15.8	13.7	11.1	19.7	9.6
Soft maple	1.7		0.5			…	8.0	9.2	…
Beech	69.4	…	16.3	15.4	1.2	6.8	0.6	2.4	1.1
	4.5				1.1	…	…		…
Sweetgum	174.0	…	27.2	36.2	32.2	28.8	18.5	27.5	3.6
Tupelo-blackgum	334.7	160.4	16.3	92.6	24.9	50.5 24.2	18.1	41.2 28.8	3.7
Ash									6.2
Cottonwood-aspen	52.1	…	5.3	5.2	6.9	9.4	8.8	13.7	2.8
Yellow-poplar						…	1.2	0.7	0.7
Other hardwoods	3.9	…	…	0.3	1.0	69.3	49.5	108.4	13.9
	441.8	…	60.8	66.1	73.8				
Total hardwoods	1624.6	…	223.4	287.7	283.5	237.5	164.7	342.4	85.5
All species	2648.9	59.3	334.4	453.5	481.1	421.7	278.2	512.1	108.5

[1]That part of the bole of sawtimber trees between a l-foot stump and sawlog top.

Table 14-Volume *of sawtimber on timberland by species and diameter class, South Delta Louisiana Parishes, 1991*

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 pines	563.8	50.6	106.9	117.8	100.7	80.6	72.7	34.6	...
Other yellow pines	11.6	2.9	3.9	...	4.8	...	...	...	...
Cypress	4964.6	236.1	473.4	781.9	983.9	939.7	555.7	884.5	109.3
Total softwoods	5540.0	289.6	584.1	899.7	1089.4	1020.3	628.4	919.1	109.3
Select white oaks	71.1	...	8.2	...	13.2	17.8	...	20.1	11.8
Select red oaks	142.3	...	5.3	24.6	19.4	17.4	12.5	56.3	6.7
Other white oaks	218.1	...	5.1	21.6	32.2	25.1	29.7	62.3	42.1
Other red oaks	1290.6	...	81.6	121.6	143.5	151.5	139.2	433.3	219.9
Hickory	605.7	...	75.9	105.7	95.4	86.2	65.5	122.2	54.9
Hard maple	10.7	...	...	...	...	...	...	...	...
Soft maple	374.9	...	3.0	...	7.7	39.2	43.6	47.0	6.1
Beech	28.9	...	86.8	1.5	7.2	...	3.3	16.9	...
Sweetgum	1013.3	...	153.1	206.9	188.1	171.6	90.9	165.1	18.8
Tupelo-blackgum	1645.6	...	306.8	457.1	371.6	259.1	104.4	143.9	16.0
Ash	857.9	...	86.1	130.9	149.9	132.4	...	224.1	30.2
Cottonwood-aspen	313.3	...	29.4	30.2	40.5	57.4	55.1	85.8	15.0
Yellow-poplar	23.1	...	...	1.9	6.2	...	7.4	3.7	3.8
Other hardwoods	2517.6	...	332.8	370.1	420.4	398.6	288.5	638.6	68.6
Total hardwoods	9113.1	...	1174.1	1556.2	1563.4	1356.3	949.9	2019.3	493.8
All species	14653.1	289.6	1758.3	2455.9	2652.8	2376.6	1578.4	2938.4	603.2

Table *15 — Volume of growing stock and sawtimber on timberland by parish and species group, South Delta Louisiana Parishes. 1991*

Parish	Growing stock: All species	Softwood: Pine: Planted	Softwood: Pine: Natural	Softwood: Other	Hardwood: Soft[1]	Hardwood: Hard[2]	Sawtimber: All species	Softwood: Pine: Planted	Softwood: Pine: Natural	Softwood: Other	Hardwood: Soft[1]	Hardwood: Hard[2]
	Million cubic feet						*Million board feet*					
Acadia	106.0	...	23.0	9.8	44.3	29.0	433.2	...	120.9	38.8	135.8	137.6
Ascension	168.9	...	26.5	36.4	79.9	26.2	619.1	...	145.2	159.8	204.6	109.5
Assumption	309.1	...	...	146.2	139.0	24.0	1045.9	...	...	637.6	330.4	77.8
Avoyelles	267.7	...	21.8	42.6	74.8	128.5	1111.3	...	126.3	193.9	253.3	537.8
Iberia	156.4			72.8	55.1	28.5	574.7	...	...	303.3	177.5	93.9
Iberville	415.0	...	...	88.9	205.2	120.9	1559.5	...	...	409.2	686.2	464.1
Lafayette	20.0	...	...	0.9	6.9	12.3	64.4	...	...	3.3	21.6	39.5
Lafourche	212.8			102.8	87.6	22.3	839.6	...	...	478.9	289.3	71.4
Pointe Coupee	234.9	...	...	9.1	129.7	96.1	895.4	...	...	40.5	456.7	398.3
St. Charles	73.1	...	...	20.2	42.9	10.1	240.2	...	...	97.3	123.0	19.9
St. James	185.6	...	...	80.2	68.9	36.5	676.4	...	...	372.1	172.7	131.6
St. John the Baptist	141.2	...	...	69.7	69.1	2.3	526.3	...	...	358.4	162.7	5.2
St. Landry	258.4	...	10.9	41.9	113.3	92.4	1057.0	...	49.0	194.0	411.2	402.8
St. Martin	548.2	...	...	180.1	313.1	54.9	2017.4	...	...	772.8	1098.0	146.7
St. Mary	202.9	...	...	78.0	110.4	14.5	669.0	...	...	3535	276.1	39.4
Terrebonne	160.8	...	...	89.6	62.2	9.1	580.2	...	...	345.4	210.7	24.1
Vermilion	62.1	...	...	3.1	52.0	7.0	214.9	...	...	17.0	174.0	23.9
West Baton Rouge	71.7	...	...	0.8	52.2	18.7	286.6	...	...	4.4	196.3	85.9
West Feliciana	283.4	...	21.8	37.8	112.9	110.9	1242.0	...	134.0	184.3	446.3	477.4
All parishes	3878.2	...	104.0	1110.8	1819.3	844.1	14653.1	...	575.4	4964.6	5826.2	3286.9

[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 16 — ***Volume of timber on timberland by class of timber and species group, South Delta Louisiana Parishes, 1991***

Class of timber	All species	Softwood			Hardwood	
		Pine				
		Planted	Natural	Other	sort'	Hard[2]
	Million cubic feet					
Sawtimber trees:						
Sawlog portion	2648.9	...	91.2	933.0	1065.7	559.0
Upper-stem portion	483.7	...	8.1	106.9	254.9	113.8
Total	3132.6	...	99.3	1039.9	1320.5	672.8
Poletimber trees	745.6	...	4.7	70.9	498.7	171.3
All growing-stock trees	3878.2	...	104.0	1110.8	1819.3	844.1
Rough trees:						
Sawtimber size	415.8	..	...	44.8	275.7	95.4
Poletimber size	163.6	..	0.4	5.5	87.9	69.9
Total	579.4	...	0.4	50.2	363.6	165.2
Rotten trees:						
Sawtimber size	95.1	...	...	28.2	42.1	24.8
Poletimber size	6.7	...	...	...	4.9	1.8
Total	101.8	...	...	28.2	47.0	26.6
Salvable dead trees:						
Sawtimber size	1.1	...	...	...	0.3	0.7
Poletimber size	2.2	...	...	...	1.8	0.4
Total	3.3	...	...	...	2.1	1.1
All classes	4562.7	....	104.4	1189.2	2232.1	1037.1

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

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

Table 17 — ***Volume of live trees and growing stock on timberland by ownership class and species group, South Delta Louisiana Parishes, 1991***

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											
Other public	194.5	...	...	26.2	92.0	76.3	159.2	...	...	23.9	74.5	60.8
Forest industry	568.2	...	8.1	136.8	281.2	142.1	487.6	...	8.1	130.8	225.6	123.1
Other private	3796.8	...	96.3	1026.2	1856.8	817.5	3231.3	...	95.9	956.2	1519.1	660.1
All ownerships	4559.4	...	104.4	1189.2	2229.9	1035.9	3878.2	...	104.0	1110.8	1819.3	844.1

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

*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 annualgrowth of growing stock and sawtimber on timberland by parish and species group, South Delta Louisiana Parishes, 1991*

Parish	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft'	Hard[2]	All species	Planted	Natural	Other	Soft'	Hard[2]
	Million cubic feet						*Million board feet*					
Acadia	2.4	...	1.2	0.1	-0.2	1.3	16.6	...	4.7	0.7	4.1	7.0
Ascension	1.4	...	1.1	0.4	0.3	-0.3	16.1	...	8.4	2.0	5.1	...
Assumption	9.3	...	...	2.6	5.2	1.5	37.5	...	...	10.4	20.3	6.8
Avoyelles	9.5	...	1.1	1.5	2.9	4.0	38.3	...	6.2	8.8	8.8	14.5
Iberia	5.0	...	...	1.9	2.2	0.9	24.1	...	...	12.9	7.5	3.7
Iberville	12.6	...	...	1.5	7.4	3.7	45.3	...	...	8.2	23.5	13.7
Lafayette	0.5	...	...	...	0.1	0.4	2.9	...	...	0.5	0.2	2.2
Lafourche	2.1	...	...	1.9	0.2	-0.1	11.0	...	...	8.7	2.1	0.2
Pointe Coupee	9.5	...	...	0.1	6.0	3.4	33.3	...	...	0.4	21.1	11.8
St. Charles	1.1	.	...	...	1.0	0.1	2.3	...	...	0.2	2.1	...
St. James	1.0	...	.	0.3	-0.7	1.4	7.2	...	...	2.2	1.5	3.5
St. John the Baptist	-4.7	...	...	-2.8	-1.7	-0.1	-23.5	...	...	-13.4	-9.1	-1.0
St. Landry	9.6	...	1.4	1.5	5.1	1.7	43.6	...	7.5	7.7	20.2	8.2
St. Martin	15.5	...		5.3	8.3	1.9	78.4	...	...	26.7	47.3	4.4
St. Mary	4.7	...	...	0.8	3.7	0.2	19.0	...	...	4.3	14.0	0.7
Terrebonne	...	...	...	-0.3	0.1	0.2	-0.8	...	...	-0.3	-1.5	1.0
Vermilion	0.6	...	...	...	0.4	0.1	2.3	...	...	...	1.8	0.5
West Baton Rouge	1.7	...	...		1.3	0.5	4.7	...	...	...	2.9	1.7
West Feliciana	11.4	...	2.2	-0.2	5.3	4.1	55.5	...	13.0	-0.7	25.7	17.6
All parishes	93.2		7.0	14.7	46.8	24.8	413.9	...	39.9	79.0	198.4	96.5

'Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
*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 parish and species group, South Delta Louisiana Parishes, 1991*

Parish	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*					
Acadia	0.6		0.3		0.1	0.2	1.5	...	0.7	...	0.5	0.4
Ascension	0.1	...	...	...	0.1	...	...	...	...	...	...	
Assumption	0.2	.	..		0.2	...	0.8	:::	...		0.8	:::
Avoyelles	2.9		0.7	:::	0.1	1.9	11.0	...	1.5	:::	1.4	8.0
Iberia	0.5	...			0.3	0.4	1.7	...			...	1.7
Iberville	0.5	...	:::	:::		0.1	2.2	...	:::	:::	1.5	0.8
Lafourche	1.9	:::	...	...	1.0	0.9	4.8	...	...	...	2.7	2.0
Pointe Coupee	4.5		...	...	2.0	2.5	20.6	:::	:::	:::	6.9	13.8
St. Charles	3.0	:::	...	2.7	0.3	...	13.9	...		12.3	1.6	
St. James	0.2	...	...	...	0.2	...	0.7	...	:::	...	0.7	...
St. John the Baptist	2.9	...	...	1.0	1.8	...	11.0	...	...	5.1	5.8	...
St. Landry	18.7	...	0.4	0.3	9.8	8.3	80.4	...	2.0	...	38.0	40.5
St. Martin	4.2			0.9	2.8	0.4	15.4	...	...	4.1	10.6	0.7
St. Mary	...		...	...	...		...				...	...
Terrebonne	2.0	:::	...	1.2	0.8	...	7.8	:::	...	4.6	3.3	...
Vermilion	...		...	...	...			...	...	...		...
West Baton Rouge	4.1	:::	...	...	2.5	1.6	17.6	...	...	...	9.6	8.0
West Feliciana	8.4	...	5.2	...	2.3	0.9	35.9	...	22.6	...	8.8	4.4
All parishes	54.7	...	6.6	6.1	24.7	17.3	225.3	.	26.9	26.1	92.1	80.3

'Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table *20 -Average net annual growth and average annual removals of growing stock on timberland by species, South Delta Louisiana Parishes, 1991*

Species	Growth	Removals
	Million cubic feet	
Yellow pines	7.0	6.6
Other softwoods	14.7	6.1
Total softwoods	21.7	12.7
Select white-red oaks	2.0	2.5
Other white-red oaks	10.7	9.2
Hickory	4.1	2.7
Hard maple	...	...
Sweetgum	11.2	5.7
Ash-walnut-black cherry	7.5	2.9
Yellow-poplar	0.4	0.2
Other hardwoods	35.7	18.8
Total hardwoods	71.5	42.0
All species	93.2	54.7

Table **21** *-Average net annual growth and average annual removals of sawtimber on timberland by species, South Delta Louisiana Parishes, 1991*

Species	Growth	Removals
	Million board feet	
Yellow pines	39.9	26.9
Other softwoods	79.0	26.1
Total softwoods	118.9	52.9
Select white-red oaks	9.5	12.7
Other white-red oaks	45.4	42.0
Hickory	13.6	13.3
Sweetgum	38.7	20.6
Ash-walnut-black cherry	27.7	12.3
Yellow-poplar	2.2	0.8
Other hardwoods	157.9	70.7
Total hardwoods	295.0	172.4
All species	413.9	225.3

Table *22 -Average annual mortality of growing stock and sawtimber on timberland by species, South Delta Louisiana Parishes, 1991*

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	0.7	2.2
Other softwoods	2.4	10.6
Total softwoods	3.1	12.9
Select white-red oaks	0.4	1.9
Other white-red oaks	2.4	9.4
Hickory	1.4	2.8
Sweetgum	1.1	4.2
Ash-walnut-black cherry	2.6	2.9
Other hardwoods	20.6	49.8
Total hardwoods	28.5	70.9
All species	31.6	83.7

Table 23 -Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, South Delta Louisiana Parishes, 1991

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft'	Hard[2]	All species	Planted	Natural	Other	Soft'	Hard[2]
	Million cubic feet											
Other public	7.1	...	...	0.6	3.3	3.1	0.3	...	...	0.2	...	0.3
Forest industry	10.6	...	...	2.1	5.3	3.2	11.8	...	...	5.9	4.6	7.1
Other private	75.6	...	7.0	12.0	38.1	18.5	42.0	...	6.6		19.6	9.9
All ownerships	93.2	...	7.0	14.7	46.8	24.8	54.7	...	6.6	6.1	24.7	17.3

*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 group, South Delta Louisiana Parishes, 1991

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft'	Hard[2]	All species	Planted	Natural	Other	Soft'	Hard[2]
	Million board feet											
Other public	27.7			2.7	14.4	10.5	1.1		...	...	...	1.1
Forest industry	58.1		...	9.4	31.2	17.4	55.2	...	...	0.9	18.4	35.9
Other private	328.1	..	39.9	66.9	152.8	68.6	167.3	...	26.9	25.2	72.1	43.2
All ownerships	413.9	..	39.9	79.0	198.4	96.5	225.3	...	26.9	26.1	92.1	80.3

'Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.
[2]Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 25 -- Volume of sawtimber on timberland by species and tree grade, South Delta Louisiana Parishes, 1991

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
	Million board feet					
Yellow pines	575.4	152.3	199.1	199.0	...	25.1
Cypress	4964.6	1378.0	1404.4	1971.4	...	210.7
Total softwoods	5540.0	1530.3	1603.5	2170.4	...	235.8
Select white-red oaks	213.4	68.1	31.5	65.0	33.0	15.8
Other white-red oaks	1508.7	268.1	397.0	490.7	279.1	73.8
Hickory	605.7	66.5	109.7	286.2	94.4	48.8
Hard maple	10.7	...	7.7	3.0	...	...
Sweetgum	1013.3	165.4	252.2	439.8	83.4	72.4
Tupelo and blackgum	1645.6	161.0	386.1	854.5	104.9	139.2
Ash-walnut-black cherry	861.0	190.4	193.9	364.6	27.5	84.7
Yellow-poplar	23.1	...	13.1	5.8	4.2	...
Other hardwoods	3231.6	332.2	474.9	1522.8	455.3	446.5
Total hardwoods	9113.1	1251.8	1866.0	4032.3	1081.8	881.2
All species	14653.1	2782.0	3469.5	6202.7	1081.8	1117.0

Table *26 -Area of timberland by stand age, forest type group and stand origin, South Delta Louisiana Parishes, 1991*

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
	Thousand acres					
1-10	6.0	...	...	...	...	15.7
11-20	...	...	...	...	6.0	6.9
21-30	...	...	...	...	...	4.9
31-40	...	4.9	...	...	...	...
41-50	...	4.9	...	...	...	...
>50	...	...	...	...	...	...
Mixed	...	15.4	...	26.2	5.6	2123.7
Total	6.0	25.2		26.2	11.6	2151.3

Table *27 -- Volume of softwood growing stock on timberland by parish and forest type group, South Delta Louisiana Parishes, 1991*

Parish	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Acadia	32.7	...	15.8	2.2	2.2	12.5	...
Ascension	62.9	...	24.3	...	...	38.6	...
Assumption	146.2	...	...	...	...	146.2	...
Avoyelles	64.4	...	21.8	...	...	42.6	...
Iberia	72.8	...	...	...	8.2	63.3	1.3
Iberville	88.9	...	...	...	...	83.1	5.9
Lafayette	0.9	...	...	...	...	0.9	...
Lafourche	102.8	...	...	...	...	102.8	...
Pointe Coupee	9.1	...	..	...	...	8.9	0.2
St. Charles	20.2	...	...	...	...	20.2	...
St. James	80.2	...	...	...	...	80.2	...
St. John the Baptist	69.7	...	...	...	...	69.7	...
St. Landry	52.8	...	...	10.9	...	41.9	...
St. Martin	180.1	...	...	...	...	160.6	19.5
St. Mary	78.0	...	...	...	...	78.0	...
Terrebonne	89.6	...	...	...	...	89.6	...
Vermilion	3.1	...	...	...	...	3.1	...
West Baton Rouge	0.8	...	...	...	...	0.8	...
West Feliciana	59.6	...	.	11.9	10.0	37.8	...
All parishes	1214.8		61.9	25.0	20.4	1080.7	26.9

Table 28 — ***Volume of hardwood growing stock on timberland by parish and forest type group, South Delta Louisiana Parishes, 1991***

Parish	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Acadia	73.3	...	2.2	4.6	14.5	51.7	0.2
Ascension	106.0		2.3	...	...	103.7	...
Assumption	162.9	...	...			147.0	15.9
Avoyelles	203.3	...	6.1		...	190.9	6.3
Iberia	83.6		...	...	12.5	53.1	17.9
Iberville	326.0			...	...	275.7	50.3
Lafayette	19.2		...	...	...	19.2	...
Lafourche	109.9	.		...	...	109.9	...
Pointe Coupee	225.8		...	..		205.4	20.3
St. Charles	53.0	...	...	...		43.9	9.0
St. James	105.4				...	105.4	...
St. John the Baptist	71.4			...	...	71.4	...
St. Landry	205.6	...	...	2.4	...	203.2	...
St. Martin	368.1	...			15.1	195.7	157.2
St. Mary	124.9	.		...	...	113.9	11.0
Terrebonne	71.2				...	71.2	...
Vermilion	59.0		...	...	.	59.0	
West Baton Rouge	70.9	:::			...	70.9	...
West Feliciana	223.8	...	...	14.5	108.0	85.8	15.5
All parishes	2663.4	...	10.6	21.5	150.2	2177.2	303.8

Table 29 — *Volume of softwood growing stock in the sawlog portion of sawtimber trees on timberland by forest type group, South Delta Louisiana Parishes, 1991*

Parish	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Acadia	27.1	...	12.7	1.7	1.8	10.9	...
Ascension	52.5		20.7		...	31.8	
Assumption	120.3			...	...	120.3	...
Avoyelles	58.3	:::	20.9	...	...	37.4	...
Iberia	59.6	...	...	...	6.6	52.2	0.8
Iberville	76.7	...		...	...	72.1	4.6
Lafayette	0.8	...		...	...	0.8	...
Lafourche	91.2	...	...		...	91.2	...
Pointe Coupee	7.3	...	...	...	...	7.1	0.2
St. Charles	18.4		...		...	18.4	...
St. James	70.1	...	..	...	...	70.1	..
St. John the Baptist	61.1	...			...	61.1	...
St. Landry	45.1	...	...	8.6	...	36.5	...
St. Martin	146.9	...	...		...	132.5	14.4
St. Mary	66.7	...	...	...	...	66.7	...
Terrebonne	65.5		.	...	...	65.5	..
Vermilion	3.1	:::	...		...	3.1	...
West Baton Rouge	0.7	...		.	...	0.7	
West Feliciana	53.0		...	11.4	8.5	33.0	...
All parishes	1024.3	...	54.3	21.8	16.9	911.3	20.0

Table 30 — *Volume of hardwood growing stock in the sawlog portion of sawtimber trees on timberland by forest type group, South Delta Louisiana Parishes, 1991*

Parish	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural				
		-Million cubic feet-					
Acadia	47.0		1.6	2.6	7.5	35.4	...
Ascension	58.4	...	...	...	...	58.4	...
Assumption	79.5	...	. .			70.0	9.5
Avoyelles	134.1	.	4.3	...	...	126.3	3.5
Iberia	49.0	...	...	...	7.9	28.8	12.3
Iberville	206.8	...	.	...	1.8 ...	27.0 173.5	33.3
Lafayette	10.7	...	.	...	...	10.7	...
Lafourche	68.6	.	.	...	...	68.6	
Pointe Coupee	147.3	...	...	...	...	133.6	13.7
St. Charles	25.7		. .	...	...	21.8	3.9
St. James	56.9	'''	'''	'''	'''	56.9	...
St. John the Baptist	31.2	. . . . .				31.2	...
St. Landry	140.7	. . . . .		0.9	...	139.7	...
St. Martin	225.0	. . . . .			7.1	111.7	106.2
St. Mary	62.0	. . . . .				56.1	5.8
Terrebonne	44.3	. . . . .				44.3	...
Vermilion	38.4	. . . . .				38.4	...
West Baton Rouge	47.0	. . . . .				47.0	...
West Feliciana	152.1	. . . . .		8.2	72.2	61.0	10.7
All parishes	1624.6		5.8	11.8	94.6	1313.5	199.0

Table 31 — *Volume of timber on timberland by parish, class of timber and species group, South Delta Louisiana Parishes, 1991*

Parish	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
			-Million cubic feet-				
Acadia	129.2	32.7	73.3	1.8	21.0		0.4
Ascension	200.1	62.9	106.0	1.4	24.3	...	5.5
Assumption	346.7	146.2	162.9	2.1	21.3	9.7	4.5
Avoyelles	301.1	64.4	203.3	1.8		...	4.5
Iberia	202.9	72.8	83.6	12.1	29.0	1.8	3.6
Iberville	425.9	88.9	326.0	6.1	89.2	4.2	3.9
Lafayette	250.4	0.9	19.2	...	2.4		3.4
Lafourche	153.1	102.8	109.9	3.8	28.2	0.5	5.2
Pointe Coupee	273.4	9.1	225.8	0.2	28.4	0.4	9.6
St. Charles	81.2	20.2	53.0		6.8	...	1.3
St. James	226.9	89.3	105.4	3.3	24.0	0.2	3.9
St. John the Baptist	155.6	69.7	71.4	2.7	11.0	0.5	0.2
St. Landry	300.3	52.8	205.6	0.2	36.1	0.1	5.5
St. Martin	668.7	180.1	368.1	4.8	103.5	5.3	6.9
St. Mary	224.0	78.0	124.9	0.3	13.1	3.6	4.0
Terrebonne	178.6	89.6	71.2	3.3	10.0	0.9	3.6
Vermilion	64.0	0.8	59.0		2.0	.	...
West Baton Rouge	84.2	59.6	70.9		9.5	...	3.0
West Feliciana	327.9		223.8	6.8	32.2	1.0	4.5
All parishes	4559.4	1214.8	2663.4	50.6	528.9	28.2	73.6

Table *32 -Number of live trees on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991*

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	263	.	..	...	66	77	119	...	...	...	...	...	...
Loblolly pine	12747	6053	3276	193	573	514	667	646	388	229	153	54	.
Spruce pine	205	...	...	116	...	44	30	...	16	...	...	...	...
Cypress	76739	11363	10561	9639	9626	8056	7184	6357	5383	3881	1997	2323	369
Total softwoods	89953	17416	13837	9948	10265	8690	7999	7004	5787	4110	2150	2377	369
Select white oaks	1904	888	...	281	208	209	105	...	77	64	...	57	16
Select red oaks	4133	1480	1443	238	280	150	53	153	91	72	55	110	9
Other white oaks	12415	6119	2413	963	707	634	222	388	311	193	151	246	67
Other red oaks	37629	18847	6223	2621	2218	1849	1388	961	816	703	511	1094	399
Sweet pecan	2741	327	552	476	376	297	146	177	129	59	74	102	25
Water hickory	26597	13723	3374	3247	1618	1607	1023	691	512	338	217	202	45
Other hickories	6067	4611	552	104	373	35	86	143	56	48	29	22	6
Persimmon	7645	4966	1452	699	413	61	54	...		...	...	...	...
Hard maple	1608	1540			...	...	34	...	34	...	...	...	...
Soft maple	247493	164832	49897	16684	7819	3097	1904	1345	921	400	273	283	36
Boxelder	42227	25310	7625	3537	2847	1532	749	285	184	150	9	...	...
Beech	3109	1656	1104	212	...	.	...	24	65	...	10	38	.
Sweetgum	50348	19913	9779	6398	4056	3215	2444	1805	1144	697	413	435	49
Blackgum	5360	3109	552	...	343	379	315	415	152	94	...	...	...
Other gums/tupelos	87286	12260	14972	10786	11712	13214	10919	6834	3490	1671	536	808	84
White ash	218	...	...	...	...	...	50	21	63	28	31	16	9
Other ashes	102147	55393	18945	9218	5732	3960	2545	2061	1525	935	615	1070	147
Sycamore	6545	3242	590	726	539	331	366	379	122	61	87	84	17
Cottonwood	3643	...	1028	451	301	253	439	253	249	267	169	210	23
Yellow-poplar	645	...	552	...	...	...		21	34	...	20	14	4
Magnolia	81	...	...		...	...	...	...	48	14	...	9	10
Sweetbay	436	436	...	...	...	...	...	...	...	...	...	...	...
Willow	51135	19837	10637	4698	3521	2597	3144	1741		1069	639	1307	169
Black cherry	44	...	...	...	...	. .		44	1776	...	...	...	...
American elm	30039	14635	6964	2769	1814	864	953	499		350	200	247	66
Other elms	26106	17953	4075	1531	1078	596	366	151	678	93	65	80	29
River birch	9	...	...	...	...	...		...	...	...	...	9	...
Hackberry	93946	54292	18116	4634	4532	3311	2878	2090	1488	1155	701	695	54
Black locust	25	...	...	...	...	...	...	...	...	...	12	10	4
Other locusts	2794	481	450	308	563	282	265	236	72	64	36	35	...
Sassafras	49	...			42	...	...	...	...	...	...	7	...
Dogwood	2126	1002	444	545	134	...	...		.	.	...	...	...
Holly	603	552		...	...	51	...	...	...				
Other commercial	6847	5986	552	221	70	...	...	...	18	...	...	...	...
Total hardwoods	864000	453391	162292	71346	51297	38526	30449	20720	14142	8524	4855	7189	1269
Noncommercial	68489	43827	11148	8785	2555	1275	330	195	127	65	33	119	31
All species	1022443	514635	187278	90078	64116	48492	38779	27918	20056	12700	7038	9685	1668

Table 33 -Number of growing-stock trees on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991

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	263	...	66	77	119		...		...	...	...
Loblolly pine	3369	193	525	514	667	646	388	229	153	54	...
Spruce pine	89	...	...	44	30	...	16		...	.	.
Cypress	49332	8499	8908	5984	6434	6070	5252	3854	1917	2228	187
Total softwoods	53053	8692	9500	6618	7249	6716	5656	4084	2069	2282	187
Select white oaks	927	191	208	209	105	...	77	64	...	57	16
Select red oaks	1202	238	280	150	53	153	91	72	46	110	9
Other white oaks	2966	682	591	494	116	274	299	145	132	176	57
Other red oaks	11004	2340	1798	1666	1152	826	770	676	470	1028	277
Sweet pecan	1694	378	313	297	146	177	129	59	74	94	25
Water hickory	7429	2349	1302	1265	792	582	444	295	169	193	37
Other hickories	868	104	373	35	86	143	40	48	18	16	3
Persimmon	878	397	36s	61	54	...		...	...	...	...
Hard maple	68	...	...	...	34	...	34	...	...		
Soft maple	22062	11549	5362	2317	1073	740	441	188	203	177	12
Boxelder	5969	2246	1877	1030	418	182	151	66	...	...	...
Beech	332	212	...	...	...	24	47	...	10	38	
Sweetgum	17461	4831	3538	2944	1957	1662	10.56	684	367	386	36
Blackgum	1685	.	343	379	315	41.5	152	81	.	.	' '
Other gums/tupelos	45177	8243	9371	11118	5754	SO98	3096	1417	463	579	37
White ash	208	...			so	21	63	28	21	16	9
Other ashes	19456	6259	4285	2978	1270	1384	1125	760	511	803	82
Sycamore	2260	467	539	265	316	359	90	61	87	76	...
Cottonwood	2431	451	213	220	408	253	230	267	169	197	23
Yellow-poplar	86	...	...		...	21	34	...	20	7	4
Magnolia	53	...	...	...	...	...	30	14	...	9	...
Willow	13546	2.535	2321	2003	1927	1220	1319	722	449	959	91
Black cherry	22	...	...	...	...	22	...	...	...	...	...
American elm	6040	1811	1510	581	599	366	491	300	164	187	33
Other elms	2850	952	810	476	278	94	72	61	36	71	...
River birch		...	...	...	...		...	...	...	9	...
Hackberry	15409	3175	3480	2609	1790	1386	1018	915	514	464	51
Black locust	10	...	...	...	...	...	...	...	...	10	...
Other locusts	1077	119	434	111	115	158	31	42	36	30	...
Sassafras	49		42	.	...	...	...			7	...
Dogwood	238	238	...	...	..	...	...	...	...	...	...
Holly	51	...	...	51	...	...			...	...	...
Total hardwoods	183506	49767	39354	31260	18810	15562	11330	6964	3961	5698	801
All species	236559	58459	48853	37878	26059	22278	16985	11047	6030	7981	988

Table 34 — ***Volume of growing stock on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991***

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	5.9	...	0.7	1.8	3.5	...	...	...	...	...	
Loblolly pine	95.8	0.4	3.5	7.8	15.6	20.6	16.8	13.6	12.0	5.5	...
Spruce pine	2.2	...	...	0.7	0.7	...	0.8	...	...	...	...
Cypress	1110.8	20.1	50.8	72.9	116.1	165.8	195.8	183.1	109.0	173.5	23.8
Total softwoods	1214.8	20.6	55.1	83.2	135.9	186.4	213.4	196.7	120.9	179.0	23.8
Select white oaks	16.9	0.5	1.3	1.9	1.8	...	2.7	3.2	...	3.6	1.9
Select red oaks	30.3	0.5	1.9	1.7	1.2	4.8	3.7	3.3	2.3	9.8	1.3
Otherwhite oaks	53.8	1.3	3.8	4.7	1.3	5.0	7.5	5.1	5.8	11.9	7.4
Other red oaks	287.5	6.1	11.4	21.3	20.8	24.3	27.6	29.8	25.8	81.1	39.2
Sweet pecan	36.9	0.8	2.0	3.3	2.6	4.3	4.7	2.8	4.4	8.0	3.9
Water hickory	108.0	6.4	6.2	13.7	13.4	14.2	13.7	12.3	8.4	14.2	5.5
Other hickories	16.5	0.4	1.6	0.8	2.1	4.8	1.5	2.3	1.0	1.1	0.9
Persimmon	5.0	1.3	2.2	0.6	0.9	.	...	...	...	...	...
Hard maple	1.8	..	...	...	0.6	...	1.2	...	.	...	...
Soft maple	155.9	28.8	31.6	22.9	16.7	16.2	12.3	6.5	9.4	10.2	1.3
Boxelder	44.4	6.2	10.8	10.7	7.0	3.9	3.9	2.0	...		...
Beech	6.3	0.6	...	...	...	0.3	1.8	...	0.7	2.9	
Sweetgum	277.5	11.4	21.9	32.6	39.0	45.1	38.6	32.8	21.1	31.0	3.9
Blackgum	29.8	...	1.5	4.4	6.5	9.6	4.7	3.1	...	...	...
Other gums/tupelos	576.0	18.0	50.7	111.7	90.8	112.1	84.7	52.7	19.7	31.8	3.8
White ash	8.9		...	...	1.3	0.5	2.5	1.6	1.3	1.2	0.6
Other ashes	255.4	16.2	24.0	29.5	21.2	31.5	31.9	26.5	21.7	46.3	6.5
Sycamore	47.4	1.7	4.4	3.7	7.0	11.0	4.1	3.1	5.9	6.4	...
Cottonwood	67.8	0.7	0.9	2.1	7.7	6.7	8.4	12.1	10.2	15.9	3.0
Yellow-poplar	4.4	...		...	...	0.5	1.1		1.3	0.7	0.7
Magnolia	2.2	. .	...	...	...	...	1.0	0.6	...	0.7	...
Willow	263.5	5.2	12.5	19.7	33.1	28.1	39.7	28.9	19.1	69.5	7.8
Black cherry	0.6	...	...	...	...	0.6	...	...	...	...	...
American elm	83.4	4.5	7.3	5.4	9.9	8.0	13.0	11.6	7.8	12.3	3.4
Other elms	28.9	2.4	4.3	4.7	3.9	2.5	2.6	2.4	2.0	4.0	...
River birch	0.4	...	...	...	...	...	...	...	...	0.4	...
Hackberry	236.4	8.1	20.5	26.9	29.3	31.0	29.6	34.8	23.3	28.3	4.6
Black locust	0.3	...	...	...	...	...	...	...	...	0.3	...
Other locusts	15.4	0.3	2.6	1.3	2.0	3.0	0.7	1.0	1.6	2.7	...
Sassafras	0.7	...	0.3	...	...	...	...	...	...	0.4	...
Dogwood	0.6	0.6	...	...	...	...	...	...	...	...	...
Holly	0.4	...	...	0.4	...	...	...	...	...	...	...
Total hardwoods	2663.4	122.0	224.0	324.1	320.2	368.3	343.2	278.3	192.9	394.8	95.6
All species	3878.2	142.6	279.0	407.2	456.0	554.7	556.6	475.0	313.8	573.8	119.4

Table 35 — *Volume of growing stock in the sawlog portion of sawtimber trees on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991*

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 pine	5.0	1.7	3.3	…	…	…	…	…	…
Loblolly pine	84.4	6.7	14.0	19.1	16.0	12.4	10.9	5.2	…
Spruce pine	1.9	0.5	0.6		0.7	…	…	…	…
Cypress	933.0	50.3	93.1	146.8	180.9	171.9	102.6	164.5	23.0
Total softwoods	1024.3	59.3	111.0	165.8	197.7	184.3	113.5	169.7	23.0
Select white oaks	11.1		1.4	…	2.2	2.7	…	3.1	1.7
Select red oaks	23.1	…	0.9	4.1	3.1	2.9	2.1	8.7	1.3
Other white oaks	35.9	…	1.0	4.1	6.0	4.0	4.8	9.7	6.3
Other red oaks	210.5	…	14.9	20.3	23.8	25.1	22.4	69.3	34.7
Sweet pecan	25.2	…	2.0	3.3	3.9	2.0	3.6	6.7	3.6
Water hickory	65.0	…	9.8	11.0	10.7	9.6	6.7	12.2	5.1
Other hickories	11.3	..	1.8	3.8	1.2	2.0	0.8	0.8	0.8
Persimmon	0.7	…	0.7	…	…	…	…	…	…
Hard maple	1.7		0.5	…	1.2	…	…	…	…
Soft maple	57.6	…	11.3	12.9	9.6	5.5	8.0	9.2	1.1
Boxelder	11.8	…	5.0	2.5	3.0	1.3	…	…	…
Beech	4.5		…	0.3	1.1	…	0.6	2.4	…
Sweetgum	174.0	…	27.2	36.2	32.2	28.8	18.5	27.5	3.6
Blackgum	19.2	…	4.7	7.5	4.1	2.9	…	…	…
Other gums/tupelos	315.4	…	60.2	85.1	71.6	47.6	18.3	28.8	3.7
White ash	7.8	…	1.1	0.4	2.2	1.4	1.2	1.1	0.3
Other ashes	152.6	…	15.2	24.5	25.8	22.8	18.3	40.1	5.9
Sycamore	30.6	…	5.0	9.1	3.7	2.6	4.9	5.3	…
Cottonwood	52.1	…	5.3	5.2	6.9	9.4	8.8	13.7	2.8
Yellow-poplar	3.9	…	…	0.3	1.0	…	1.2	0.7	0.7
Magnolia	1.9		…	…	0.9	0.4	…	0.6	…
Willow	188.5	…	22.9	22.4	33.4	25.6	16.2	61.1	6.9
Black cherry	0.5		…	0.5	…	…	…	…	…
American elm	51.6	…	7.0	6.2	10.0	9.2	5.9	10.3	2.9
Other elms	13.8	…	3.0	2.2	2.0	1.9	1.7	3.0	…
River birch	0.3		…	…	…	…	…	0.3	…
Hackberry	144.1	…	20.6	23.2	23.3	28.8	19.5	24.5	4.1
Black locust	0.3	…	…	…	…	…	…	0.3	…
Other locusts	9.2	…	1.6	2.4	0.6	0.9	1.2	2.4	…
Sassafras	0.3	…	…	…	…	…	…	0.3	…
Total hardwoods	1624.6	..	223.4	287.7	283.5	237.5	164.7	342.4	85.5
All species	2648.9	59.3	334.4	453.5	481.1	421.7	278.2	512.1	108.5

Table 36 — *Volume of timber on timberland by detailed species and class of timber, South Delta Louisiana Parishes, 1991*

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Shortleaf pine	5.9	5.9	…	…
Loblolly pine	96.0	95.8	0.2	…
Spruce pine	2.4	2.2	0.2	…
Cypress	1189.2	1110.8	50.2	28.2
Total softwoods	1293.6	1214.8	50.6	28.2
Select white oaks	17.0	16.9	0.1	…
Select red oaks	30.7	30.3	0.3	…
Other white oaks	64.1	53.8	9.3	1.0
Other red oaks	318.6	287.5	20.7	10.4
Sweet pecan	37.5	36.9	0.6	…
Water hickory	122.4	108.0	13.0	1.5
Other hickories	17.7	16.5	0.8	0.4
Persimmon	6.0	5.0	1.0	…
Hard maple	1.8	1.8	…	…
Soft maple	216.6	155.9	51.9	8.8
Boxelder	60.9	44.4	15.6	1.0
Beech	6.6	6.3	0.3	…
Sweetgum	300.0	277.5	18.6	4.0
Blackgum	30.0	29.8	0.2	…
Other gums/tupelos	707.6	576.0	119.4	12.2
White ash	9.2	8.9	0.2	…
Other ashes	322.9	255.4	56.9	10.6
Sycamore	52.2	47.4	3.7	1.1
Cottonwood	69.5	67.8	1.6	…
Yellow-poplar	5.0	4.4	0.6	…
Magnolia	3.8	2.2	0.7	1.0
Willow	333.0	263.5	61.2	8.2
Black cherry	0.9	0.6	0.3	…
American elm	108.8	83.4	23.6	1.8
Other elms	36.9	28.9	6.5	1.5
River birch	0.4	0.4	…	…
Hackberry	303.5	236.4	59.7	7.4
Black locust	1.1	0.3	…	0.7
Other locusts	22.1	15.4	5.1	1.6
Sassafras	0.7	0.7	…	…
Dogwood	1.4	0.6	0.7	0.1
Holly	0.4	0.4	…	…
Other commercial	0.7	…	0.3	0.4
Total hardwoods	3210.1	2663.4	473.1	73.6
Noncommercial	55.8	…	55.8	…
All species	4559.4	3878.2	579.4	101.8

Table 37 — ***Volume of sawtimber for free grade 1 on timberland by detailed species and diameter class, South Delta, Louisiana Parishes, 1991***

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 pine	16.6	6.1	10.5	…	…	…	…	…	
Loblolly pine	124.1		10.1	36.2	24.7	16.5	24.4	12.0	…
Spruce pine	11.6	2.9	3.9	…	4.8	…			…
Cypress	1378.0	25.1	88.9	197.3	218.5	336.4	202.2	295.9	13.6
Total softwoods	1530.3	34.2	113.4	233.5	248.0	353.0	226.6	307.9	13.6
Select white oaks	29.1	…		…	…	12.6	…	7.5	9.0
Select red oaks	39.0	…	…	…	…	7.6	4.1	24.3	3.1
Other white oaks	24.6	…	…	…	…	…	9.5	4.0	11.1
Other red oaks	243.5	…	…	…	5.1	23.5	16.4	138.0	60.5
Sweet pecan	15.8	…	…		6.2	…	3.0	2.7	3.9
Water hickory	41.0	…	…	…	4.5	7.7	1.7	18.8	8.3
Other hickories	9.8	…	…		…	3.7	…	. . . .	6.1
Soft maple	6.8	…	…	…	2.8	…	…	2.3	1.6
Sweetgum	165.4	…	…	…	42.5	35.8	27.5	57.4	2.2
Other gums/tupelos	161.0		…	…	42.1	69.9	21.9	22.4	4.5
White ash	19.4	…	…	…	3.9	3.6	4.5	7.3	…
Other ashes	171.0		…	…	5.9	33.2	39.4	77.6	14.8
Sycamore	56.0	…	…	…	5.2	9.2.	19.3	22.3	…
Cottonwood	100.4	…	…	…	3.2	22.7	19.7	44.4	10.4
Willow	75.4	…	…	…	11.3	9.5	4.0	49.1	1.6
American elm	37.8	…	…	…	8.9	8.4	6.7	7.1	6.7
Other elms	2.6	…	…	…	…	…	…	2.6	…
Hackberry	49.7	…	…		5.6	11.6	11.3	21.2	…
Other locusts	3.4	…	…	…	…	…	…	3.4	…
Total, hardwoods	1251.8	…	…	…	147.3	259.1	189.1	512.5	143.8
All species	2782.0	34.2	113.4	233.5	395.3	612.1	415.7	820.4	157.5

Table 38 — *Volume of sawtinrberfor tree grade 2 on timberland by detailed species and diameter class, South Delta Louisiana Parishes. 1991*

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 pine	11.0	5.6	5.3	.	…	…			…
Loblolly pine	188.1	19.4	30.9	37.1	52.4	24.0	17.5	6.9	…
Cypress	1404.4	45.1	146.2	267.0	320.5	222.7	142.9	250.6	9.4
Total softwoods	1603.5	70.2	182.5	304.1	372.9	246.6	160.4	257.5	9.4
Select white oaks	9.9	…	…	…	3.1	…		6.8	
Select red oaks	21.5	…	…	7.0	…	2.4	2.1	7.2	2.8
Other white oaks	66.0	…	…	3.2	5.3	6.6	6.8	19.8	24.4
Other red oaks	330.9	…	…	27.9	42.2	37.3	48.1	91.3	84.3
Sweet pecan	32.1	…	…	2.0	2.4	…	2.6	18.7	6.4
Water hickory	63.7	…	…	15.1	18.9	8.3	12.9	8.5	…
Other hickories	13.9	…	…	6.7	4.4	…	2.9	…	…
Hard maple	7.7	…	…		7.7	…		…	…
Soft maple	16.9	…	…	…	2.1	7.3	7.6	…	…
Boxelder	2.5	…	…	2.5	…	…	…	…	
Sweetgum	252.2	…	…	52.1	68.5	56.1	42.5	33.0	…
Blackgum	2.4	…	…	…	2.4	…	…	…	
Other gums/tupelos	383.7	…	…	139.9	126.9	59.6	19.6	35.6	2.0
White ash	8.0	…	…	…	8.0	…	…	…	…
Other ashes	182.8	…	…	39.3	46.0	26.0	25.0	45.3	1.1
Sycamore	53.7	…	…	38.4	3.9	3.2	5.2	2.9	
Cottonwood	71.7	…	…	11.8	11.8	11.4	9.4	27.4	…
Yellow-poplar	13.1	…	…	…	2.0		7.4	3.7	…
Willow	145.0	…	…	16.7	47.2	27.0	7.0	44.7	2.5
Black cherry	3.1	…	…	3.1	…	…		…	…
American elm	55.8	…	…	11.5	21.5	7.7	10.8	4.2	.
Other elms	9.8	…	…	4.3	2.4	3.0	…	…	…
Hackberry	111.2	…	…	18.7	26.3	26.7	21.7	17.8	.
Other locusts	8.2	…	…	…	…		3.0	5.2	…
Total hardwoods	1866.0	…	.	400.4	453.0	282.7	234.5	372.0	123.4
All species	3469.5	70.2	182.5	704.5	826.0	529.3	394.9	629.5	132.8

Table 39 — Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991

Species	All classes	Diameter class (inches at breast height) 9.0-10.9	11.0-12.9	13.0-14.9	1X0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million board feet								
Shortleaf pine	6.0	...	6.0	...	...	...	...	...	...
Loblolly pine	193.0	19.5	33.8	39.5	22.8	31.1	30.8	15.6	...
Cypress	1971.4	153.6	226.8	294.9	402.6	349.6	188.2	299.5	56.3
Total softwoods	2170.4	173.0	266.6	334.4	425.4	380.7	219.0	315.1	56.3
Select white oaks	18.7	..	6.1	,,	3.3	2.6		3.9	2.8
Select red oaks	46.2		3.0	12.9	14.9	,,,	,,,	15.3	...
Other white oaks	82.1	:::	5.1	10.6	18.3	9.4	11.8	23.6	3.3
Other red oaks	408.6	...	67.5	44.9	47.1	54.7	33.6	121.4	39.4
Sweet pecan	69.8	.	7.6	15.8	9.7	11.6	7.0	11.7	6.4
Water hickory	195.1		49.6	28.1	31.6	28.7	18.2	28.5	10.4
Other hickories	21.2	:::	3.7	13.0	1.5	,,,	,	3.0	...
Persimmon	3.8		3.8	...	...	,,,		...	...
Hard maple	3.0	:::	3.0	...	...	,,,	,	...	...
Soft maple	161.8		36.0	43.3	31.6	9.0	22.6	14.8	4.4
Boxelder	44.0	..	20.6	7.0	9.6	6.9	,,,	...	...
Beech	13.2	...	...	,,,	2.4		,,,	10.8	...
Sweetgum	439.8	...	129.9	119.1	52.2	54.2	33.8	40.0	10.7
Blackgum	89.5	...	22.5	35.1	17.8	14.1	...	...	...
Other gums/tupelos	765.0		235.9	236.0	129.5	78.9	31.3	48.9	4.6
White ash	17.3	.	7.1	2.4	...	5.7	...	...	2.1
Other ashes	347.3	...	76.0	72.7	66.1	44.1	23.2	59.4	5.7
Sycamore	46.1	...	28.5	9.0	1.8	...	6.9	...	...
Cottonwood	98.5	...	25.3	8.6	19.0	10.3	20.7	11.8	2.9
Yellow-poplar	5.8	...	...	1.9	...			...	3.8
Magnolia	2.9	...	...	...	2.9	,,,	,,,	...	...
Willow	490.3		102.8	88.1	89.0	65.2	28.3	111.1	5.8
American elm	143.3	:::	31.4	16.5	21.1	31.8	13.6	26.9	2.1
Other elms	61.5	...	13.7	7.5	10.8	9.3	10.7	9.5	...
River birch	1.8	...	...	...	,,,	...	...	1.8	...
Hackberry	426.3	...	90.9	82.9	62.0	78.7	45.3	52.6	13.9
Black locust	2.9	...	...	...	,,,	...	...	2.9	...
Other locusts	24.1		5.6	9.9	,,,	1.4	3.3	3.9	...
Sassafras	2.0	:::	...	...	,,,	,,,	,,,	2.0	...
Total hardwoods	4032.3	...	975.6	865.5	642.2	516.5	310.1	603.9	118.4
All species	6202.7	173.0	1242.2	1199.8	1067.6	897.2	529.1	919.0	174.7

Table 40 — *Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, South Delta Louisiana Parishes, 1991*

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								
Select white oaks	6.5	...	2.1	...	4.3	. . . . .		. . . . .	
Select red oaks	26.5	...	2.3	4.7	4.5	7.4	. . .	7.6	...
Other white oaks	31.5	. . .		5.0	4.4	9.1	1.6	11.4	...
Other red oaks	247.7	. . .	12.8	47.3	45.2	23.7	36.3	59.3	23.0
Sweet pecan	14.0	. . .	3.7	...	2.0	1.8	. .	6.5 . . .	
Water hickory	57.2	. . .	3.0	18.7	6.8	4.2	7.6	8.7	8.2
Other hickories	23.2	...	7.4	4.0	2.0	7.5	2.3	. . . . .	
Soft maple	6 6 . 0		18.0	17.0	11.0	7.8	10.3	1.8	...
Boxelder	15.5	. . .	5.7	4.2	5.6	. . . . .		. . . . .	
Beech	8.7	. . .	...	.	2.6 .	. . . . .		6.1	...
Sweetgum	83.4	.	16.8	25.0	11.0	16.5	. . .	14.2	...
Other gums/tupelos	104.9	...	29.2	21.6	23.8	17.9	6.7	5.7	...
Other ashes	27.5	. . .	1.9	8.6	5.7	7.3	1.1	2.2	0.6
Cottonwood	29.4	. . .	2.0	9.8	6.6	8.7	. . .	2.3	...
Yellow-poplar	4.2		.	.	4.2	. . . . .		. . . . .	
Willow	142.2	:::	11.6	14.7	12.0	20.1	29.8	49.3	4.7
American elm	35.0	. . .	6.2	4.1	1.2	2.7	1.7	19.2 . . .	
Other elms	7.1	. . .	1.0	1.4	. . . . .			4.7	...
Hackberry	135.8	.	15.3	20.3	28.0	24.7	25.8	21.9 . . .	
Other locusts	15.5	. . .	3.8	2.5	3.9	4.0	1.4	. . . . .	
Total hardwoods	1081.8	. . .	142.7	208.9	184.8	163.5	124.5	220.9	36.5
All species	1081.8	. . .	142.7	208.9	184.8	163.5	124.5	220.9	36.5

Table 41 — *Volume of sawtimber on timberland by species and ownership class, South Delta Louisiana Parishes, 1991*

Species	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Million board feet					
Yellow pines	575.4	...	...	48.4	...	527.0
Cypress	4964.6	...	107.8	578.0	...	4278.8
Total softwoods	5540.0	...	107.8	626.4	...	4805.8
Select white-red oaks	213.4	...	15.2	46.9	...	151.3
Other white-red oaks	1508.7	...	94.1	202.4	...	1212.2
Hickory	605.7	.	67.6	145.8	.	392.4
Hard maple	10.7	..	...	10.7	...	...
Sweetgum	1013.3	.	40.7	163.5	...	809.2
Tupelo and blackgum	1645.6	...	3.2	205.4	...	1437.0
Ash-walnut-black cherry	861.0	.	43.8	134.2	...	683.0
Yellow-poplar	23.1	...	...	...	...	23.1
Other hardwoods .	3231.6	...	227.0	337.1	...	2667.5
Total hardwoods	9113.1	..	491.6	1246.0	...	7375.6
All species	14653.1	.	599.4	1872.3	...	12181.4

Table 42—*Average net annual growth, average annual removals, and average annual mortality of live trees' by parish and species group, South Delta Louisiana Parishes, 1991*

Parish	Net growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
Acadia	4.0	1.4	2.7	0.7	0.3	0.5	1.1	0.1	1.0
Ascension	3.2	1.3	1.9	0.7	0.2	0.5	2.0	0.2	1.8
Assumption	5.2	0.7	4.5	0.6	...	0.6	2.8	0.6	2.2
Avoyelles	7.2	2.3	5.0	3.1	0.7	2.3	2.2	0.2	2.0
Iberia	8.1	3.5	4.6	0.6	...	0.6,	3.4	0.3	3.1
Iberville	11.9	1.9	10.0	0.7	...	0.7	8.9	0.3	8.6
Lafayette	0.7	...	0.7	...	...			...	...
Lafourche	0.5	0.1	0.4	2.2	0.2	2.0	4.2	0.5	3.6
Pointe Coupee	10.6	0.1	10.4	5.5	...	5.5	2.3	0.6	1.7
St. Charles	0.8	-0.3	1.1	3.5	3.2	0.3	2.0	0.1	1.9
St. James	3.8	0.1	3.7	0.2	...	0.2	2.6	...	2.6
St. John the Baptist	-8.6	-3.0	-5.6	3.6	1.2	2.3	2.4	...	2.4
St. Landry	9.3	2.4	6.9	21.1	1.1	20.0	1.7	...	1.7
St. Martin	16.2	5.1	11.1	5.3	0.9	4.4	10.5	0.1	10.5
St. Mary	2.3	0.6	1.7	...	...		4.4	...	4.4
Terrebonne	-2.1	-0.5	-1.6	2.0	0.5	1.5	3.8	0.6	3.1
Vermilion	-0.6	...	-0.6		...	...	2.0	...	2.0
West Baton Rouge	1.5		1.5	5.0	. .	5.0	1.6	...	1.6
West Feliciana	7.4	1.6	5.8	9.0	5.4	3.6	3.7	0.9	2.9
All parishes	81.5	17.4	64.2	63.7	13.7	50.1	61.5	4.6	56.9

'Excludes trees less than 5.0 inches in diameter at breast height.

Table 43 -*Average net annual growth, average annual removals, and average annual mortality of live trees' by ownership class and species group, South Delta Louisiana Parishes, 1991*

Ownership class	Net growth			Removals			Mortality		
	All classes	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
Other public	5.3	0.6	4.7	0.4	...	0.4	3.8	...	3.8
Forest industry	10.0	2.0	7.9	12.4	0.2	12.2	4.4	0.3	4.1
Other private	66.2	14.8	51.5	50.0	13.5	36.5	53.3	4.3	49.1
All ownerships	81.5	17.4	64.2	63.7	13.7	50.1	61.5	4.6	56.9

'Excludes trees less than 5.0 inches in diameter at breast height.

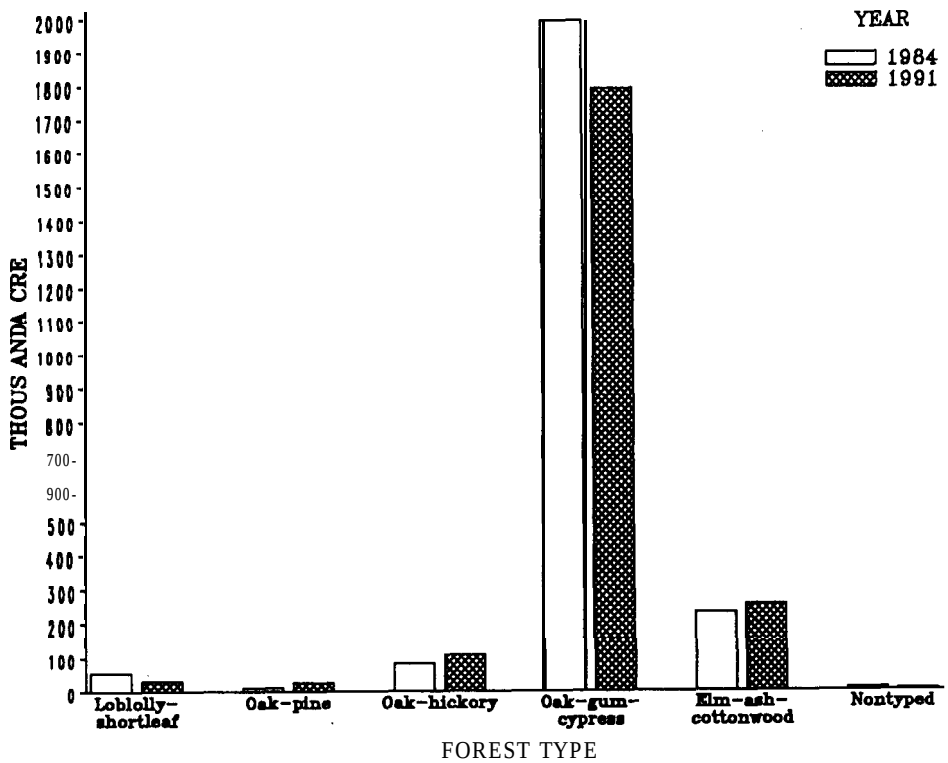

Figure 1. *-Area* of *timberland by forest type, South Delta Louisiana, 1984 and 1991.*

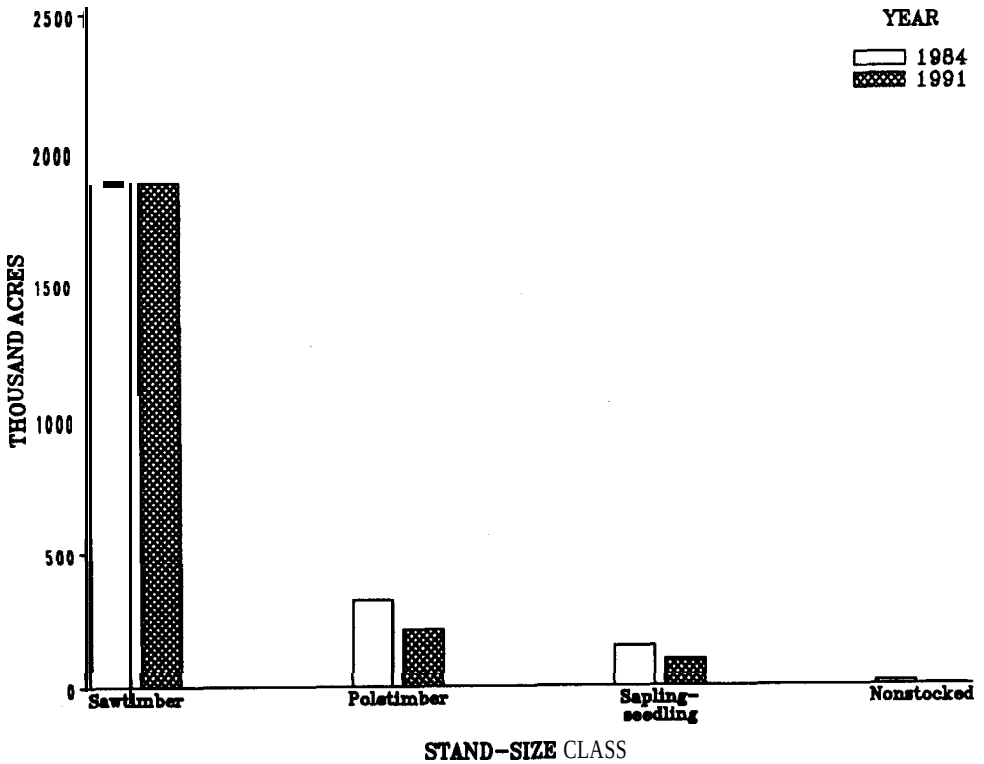

Figure *2. -Area of timberland by stand-size class, South Delta Louisiana, 1984 and 1991.*

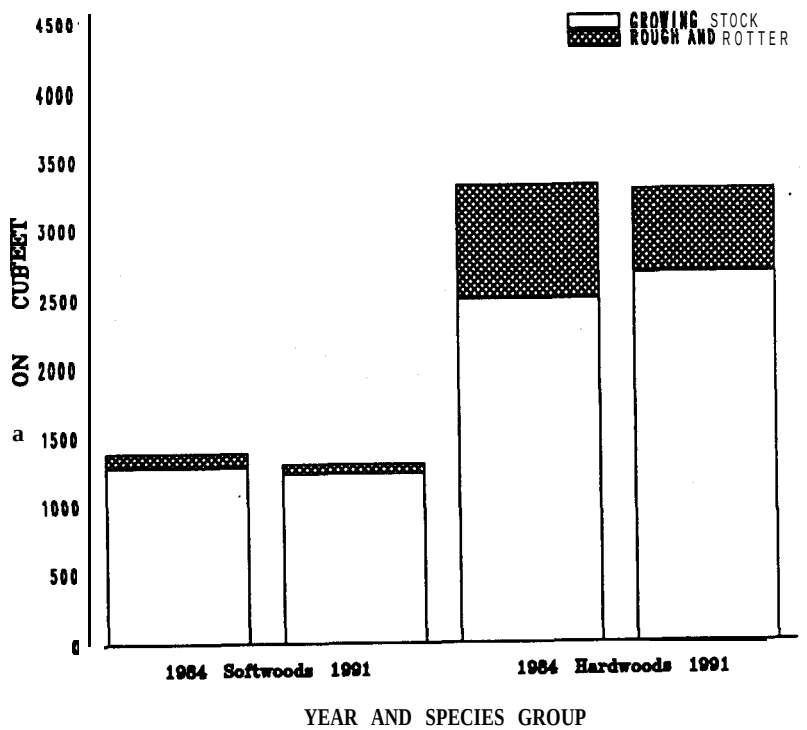

Figure *3. -- Volume of live trees on timberland by species group and class* of *timber, South Delta Louisiana, 1984 and 1991.*

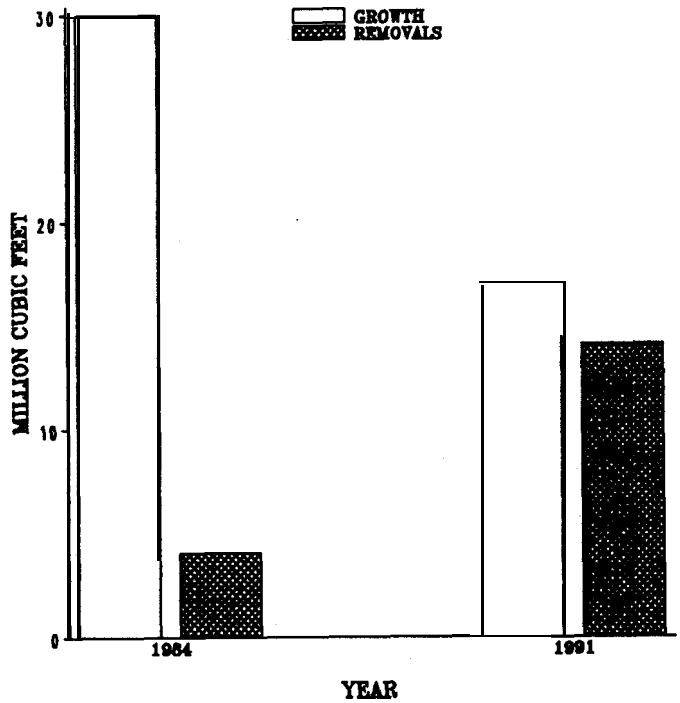

Figure 4. *-Average net annual growth and average annual removals of live softwood trees on timberland,* South *Delta Louisiana, 1984 and 1991.*

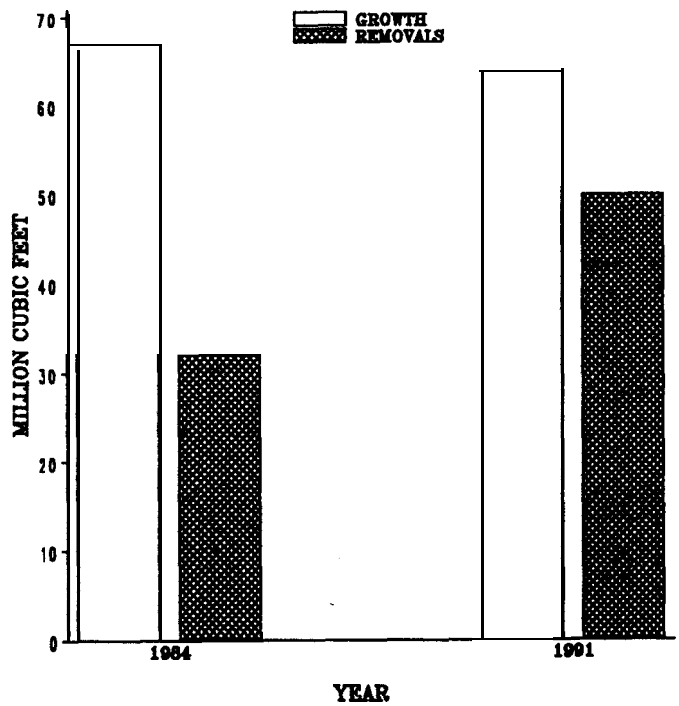

Figure *5. -Average net annual growth and average annual removals of live hardwood trees on timberland South Delta Louisiana, 1984 and 1991.*

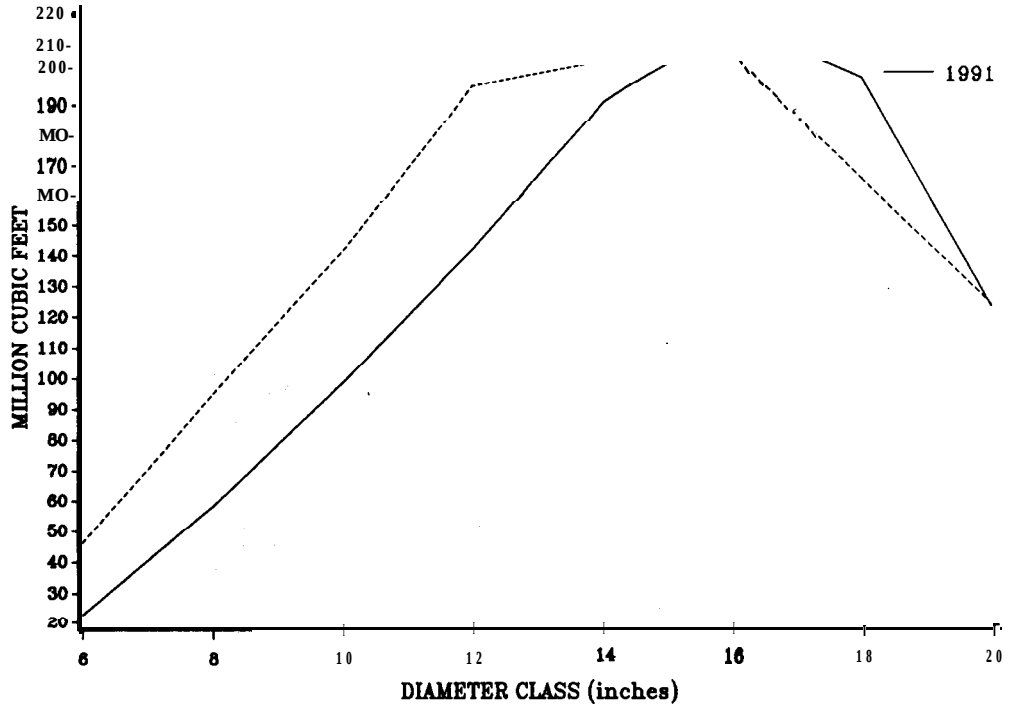

Figure *6. -Volume of live softwood trees on timberland by diameter class, South Delta Louisiana, 1984 and 1991.*

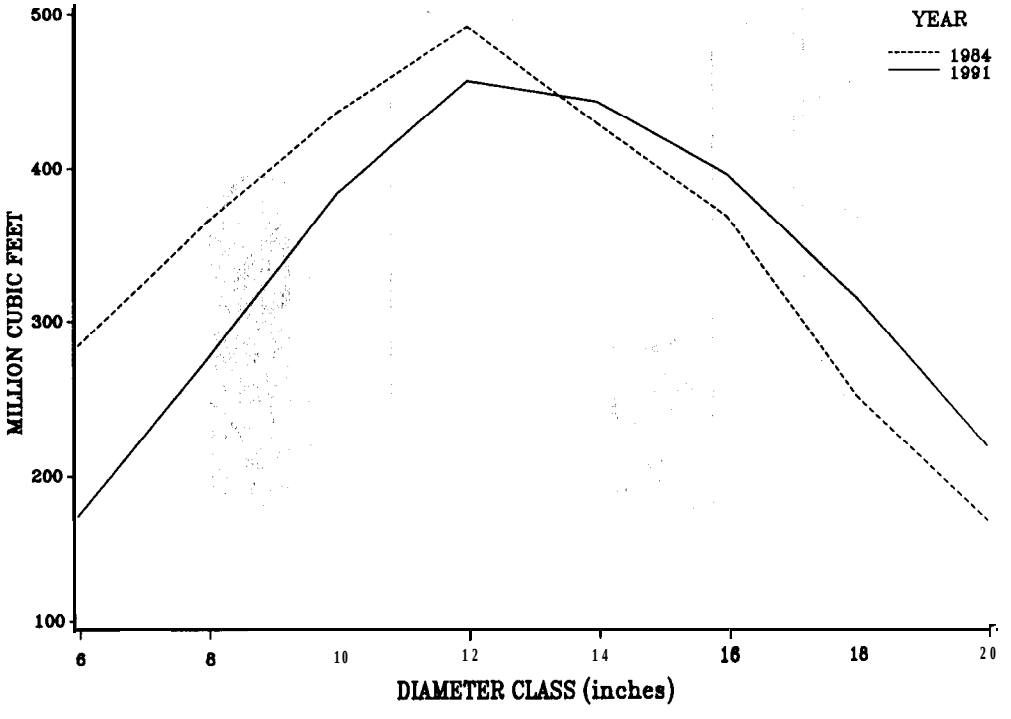

Figure *7. — Volume of live hardwood trees on timberland by diameter class, South Delta Louisiana, 1984 and 1991.*

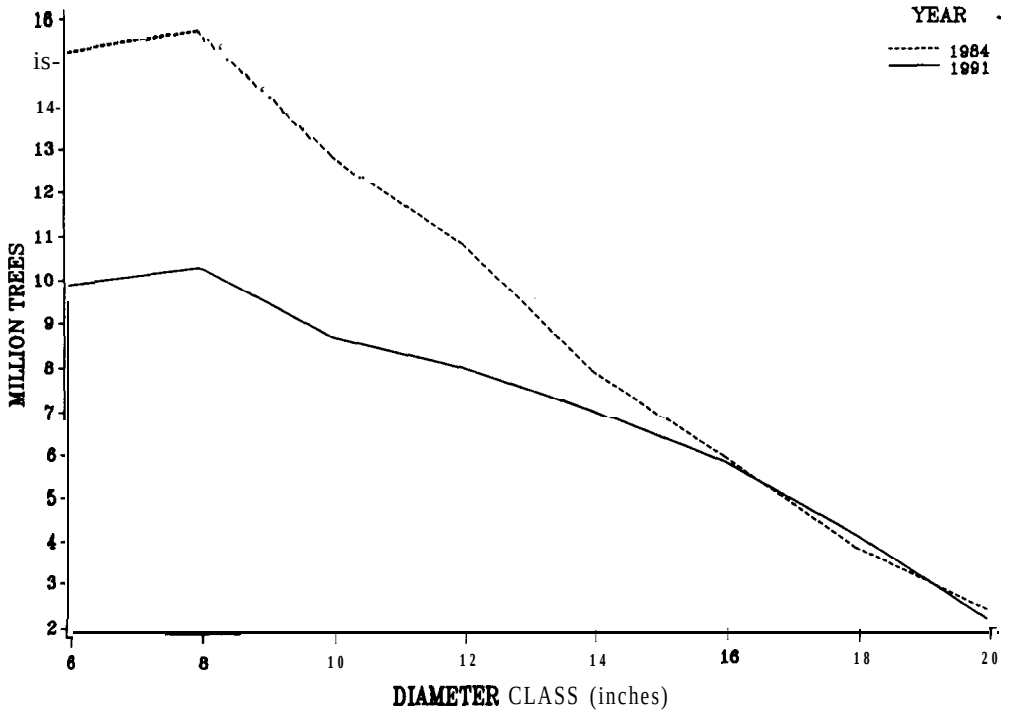

Figure *8. -Number of live softwood trees on timberland by diameter class, South Delta Louisiana, 1984 and 1991.*

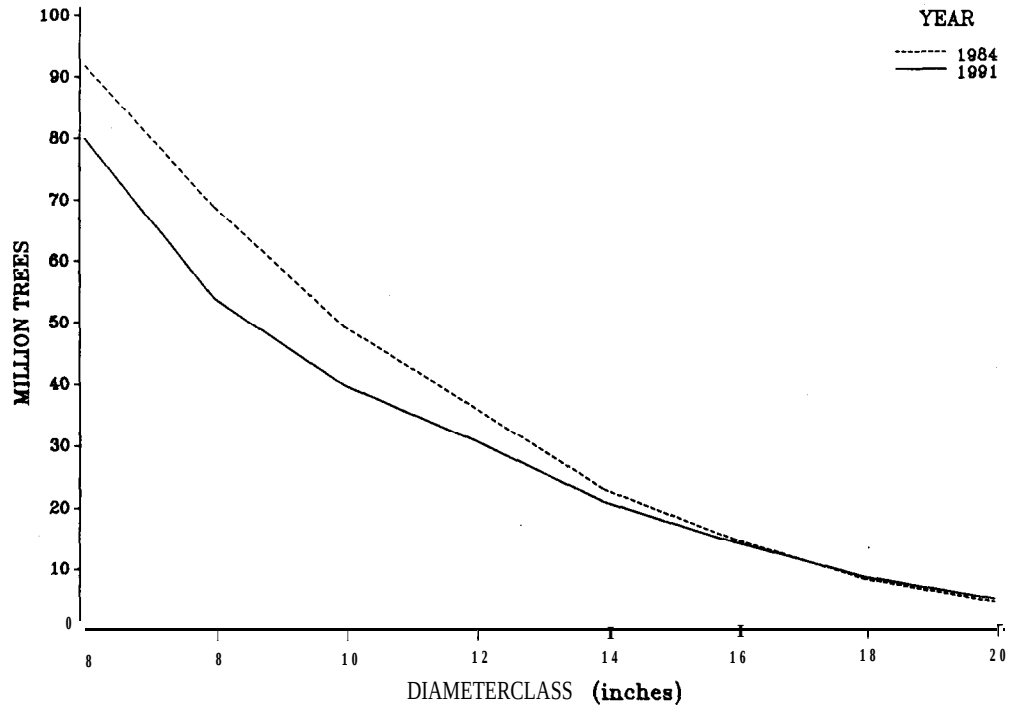

Figure *9. —Number* of *live hardwood* trees *on timberland* by diameter class, *South Delta Louisiana, 1984 and 1991.*

Rosson, James F., Jr.; Miller, Patrick E.; Vissage, John S. 1991. Forest statistics for South Delta Louisiana Parishes- 1991. Resour. Bull. SO- 163 . New Orleans, LA: U.S. Department of Agriculture,. Forest Service, Southern Forest Experiment Station. 35 p.

Tabulates forest resource information from a new inventory of the South Delta Parishes of Louisiana.

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