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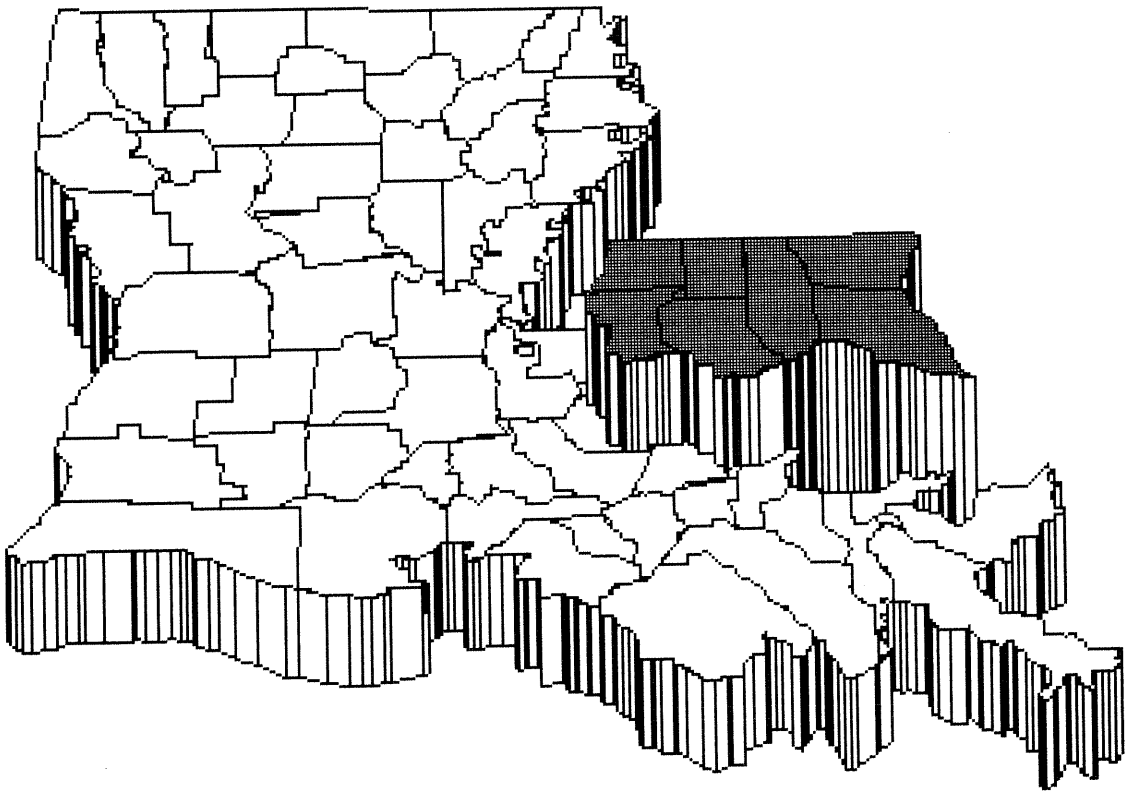
Forest Statistics for Southeast Louisiana Parishes

James F. Rosson, Jr. and Daniel F. Bertelson



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SUMMARY

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit (FIA), covers the states of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, 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 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.

ACKNOWLEDGMENTS

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

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

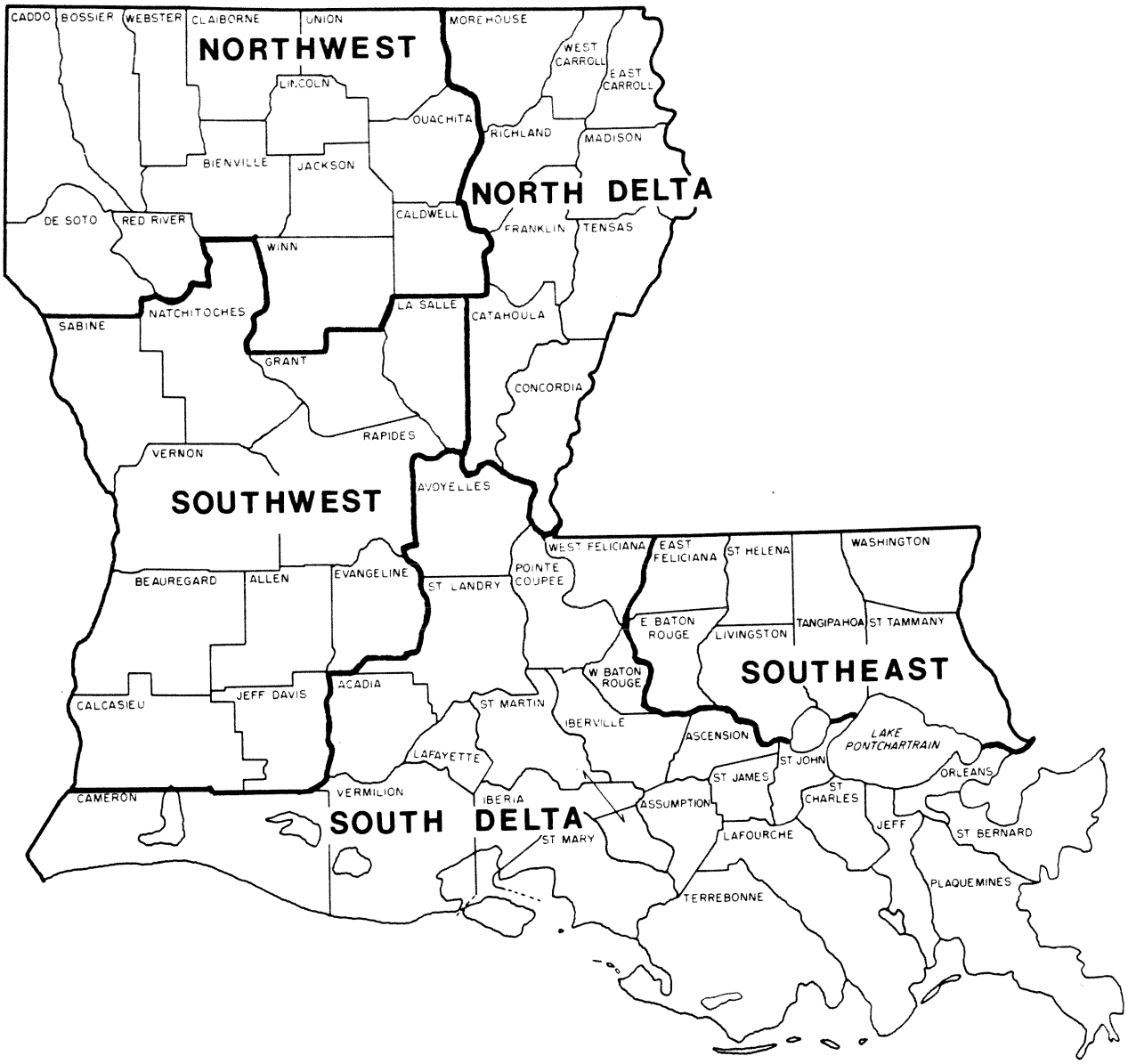


Figure 1.--The forest survey regions of Louisiana.

Forest Statistics for Southeast Louisiana Parishes

James F. Rosson, Jr. and Daniel F. Bertelson

HIGHLIGHTS

These tables were derived from data obtained during a 1984 inventory of seven parishes comprising the Southeast Unit of Louisiana (fig. 1). The data on forest acreage and timber volume were secured by a systematic sampling method involving a forest-nonforest classification on aerial photographs and on-the-ground measurements of trees at sample locations. The sample locations were at the intersections of a grid of lines spaced 3 miles apart. At each forest location, per-acre estimates were obtained from 5 BA 37.5 point samples.

The sampling methods were developed to provide suitable State estimates. Estimates for smaller areas are presented, but sampling error increases as the area considered decreases. Sampling errors given in table I are based on one standard deviation or a probability of two chances out of three. To estimate the sampling error for a combination of parishes one can use the following:

$$SEG = \frac{SET \sqrt{XT}}{\sqrt{XG}}$$

where:

SE = standard error of estimate (%)

X = variable of interest (area, volume)

G = group of parishes to be combined

T = total for the unit

Timberland Area

Timberland acreage in the Southeast unit has remained relatively stable since the 1974 survey. A total of 1,751,200 acres are in timberland, a slight drop from the 1,786,300 acres reported in 1974. Gains or losses of timberland in individual parishes are significant but balance each other out for the unit as a whole.

Table I--Sampling errors[1] for timberland, growing stock, and sawtimber, Southeast Louisiana, 1984

Parish	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
	Percent				
East Baton Rouge	2.1	13.6	16.6	23.3	15.2
East Feliciana	3.4	17.8	22.8	28.0	20.9
Livingston	1.8	11.3	15.4	35.3	13.6
St. Helena	4.1	17.7	14.0	19.2	21.4
St. Tammany	2.0	13.4	14.4	19.3	15.3
Tangipahoa	2.2	12.1	20.5	20.4	14.0
Washington	2.4	14.8	14.0	15.2	16.2
All parishes	0.9	5.6	6.6	8.7	6.5

[1] By random-sampling formula.

Ownership

Current forest industry timberland acreage is 571,000 acres, down from 598,200 acres reported in 1974. This is a 5-percent decline. Nonindustrial private timberland acreage did not change significantly and is currently 1,138,000 acres. For comparison between the 1974 and 1984 reported acreage, nonindustrial private timberland leased to forest industry is reported in forest industry acreage.

Forest Type

The longleaf-slash forest type has declined to 131,400 acres, down from 223,800 in 1974. The oak-hickory forest type has increased from 60,900 acres to 357,600 acres. No significant changes were reported for the other forest types. The loblolly-shortleaf type is dominant in the Southeast unit, occupying 32 percent of all timberland followed by the oak-gum-cypress type with 25 percent occupancy.

Stand Size

A decrease of 39,700 acres in sawtimber stands (4 percent) was noted between surveys. An 11-percent increase in poletimber stands was noted, a 29,500-acre change. Sapling-seedling stands declined by 20,100 acres. Sawtimber stands currently occupy 55 percent of all timberland in the Southeast unit.

Artificial Regeneration

Currently, the Southeast unit contains 164,000 acres of timberland in softwood forest types that originated from artificial regeneration. This is a decline from the 229,900 acres reported in 1974 and suggests that establishment of new plantations is not keeping up with the harvesting pace. Currently, 9 of percent timberland is in artificially regenerated softwood.

Softwood Volume

Softwood growing-stock volume increased to 1,352 million cubic feet. Sawtimber volume increased to 5,645 million board feet.

Hardwood Volume

Presently, hardwood growing-stock volume is 845 million cubic feet. Sawtimber volume is 2,380 million board feet. Although increases, these are minor changes since the 1974 inventory.

Gross Growth

Softwood gross growth is 43 cubic feet per acre annually, down from the 52 cubic feet per acre reported in 1974. Hardwood gross growth is 19 cubic feet per acre annually. There was no change in hardwood growing-stock gross growth between survey periods.

Softwood sawtimber gross growth averaged 200 board feet per acre, down from 250 board feet per acre reported in 1974. Hardwood sawtimber gross growth did not change between survey periods and remains at 65 board feet per acre annually.

Removals

Removals for both species groups are down slightly from the 1974 survey period. Softwood removals averaged 54 million cubic feet per year. Hardwood removals averaged 11 million cubic feet per year.

Number of Trees

The number of live trees 5.0 inches and larger has increased, 5 percent in softwoods and 10 percent in hardwoods. Also encouraging were increases in trees 1.0 to 4.9 inches in diameter. Both softwoods and hardwoods increased 4 percent each.

Mortality

Softwood growing-stock mortality has declined from 12 million cubic feet per year in 1974 to 7 million cubic feet per year in 1984. Hardwood growing-stock mortality has not changed since the 1974 survey and remains at 9 million cubic feet per year.

Net Inventory Change

Softwood growing stock increased 15 million cubic feet annually while hardwood growing stock increased 12 million cubic feet annually. These amounts of

yearly increase are similar to those reported in the 1974 survey.

Softwood sawtimber growth increased at an annual rate of 95 million board feet. Hardwood sawtimber increased 60 million board feet annually. This represents an annual 30-million board foot increase for softwood and a 30-million board foot increase for hardwood over that reported for the 1974 survey period.

Cull Volume

Combined cull volume for softwood and hardwood trees rose from 283 million cubic feet in 1974 to 440 million cubic feet in 1984. This increase, 157 million cubic feet, came from a 62-million cubic foot increase in softwoods and a 95-million cubic foot increase in hardwoods. Currently, softwood cull is 6 percent of total tree softwood volume. Hardwood cull is 30 percent of total live tree hardwood volume.

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 annual mortality.-- Average annual sound-wood volume of live trees, dying from natural causes.

Average annual removals.--Average annual net 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.

Average net annual growth.--Average annual net volume increase for the intersurvey period.

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.--Net volume in cubic feet of 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.

Physiographic site.--A classification of forest land according to the availability of moisture for tree growth. Xeric-low or deficient in moisture. Mesic-a moderate amount of moisture. Hydric-an abundance or overabundance of moisture.

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.

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. (Includes 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.

Sawtimber volume.--Net volume of the saw-log portion of live sawtimber 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 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.

CORE TABLES 1 - 25

Table 1--Area by parish and land class, Southeast Louisiana, 1984

Parish	All land[1]	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
East Baton Rouge	301.7	112.4	112.4	...	...	189.4
East Feliciana	291.5	172.1	172.1	...	...	119.4
Livingston	448.0	343.2	343.2	...	...	104.8
St. Helena	262.0	178.6	178.6	...	...	83.4
St. Tammany	721.8	360.5	360.5	...	...	361.4
Tangipahoa	523.6	295.5	295.5	...	...	228.1
Washington	432.5	289.0	289.0	...	...	143.4
All parishes	2981.2	1751.2	1751.2	...	...	1230.0

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

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

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

Table 2--Area of timberland by parish and ownership class, Southeast Louisiana, 1984

Parish	All ownerships	National forest	Misc. federal	State	Parish and municipal	Forest industry[1]	Farmer	Corporate[2]	Individual[2]
	Thousand acres								
East Baton Rouge	112.4	...	...	...	...	...	28.1	21.1	63.2
East Feliciana	172.1	...	...	...	...	6.9	75.7	6.9	82.6
Livingston	343.2	...	...	...	5.8	180.3	17.4	64.0	75.6
St. Helena	178.6	...	...	...	...	112.4	26.5	...	39.7
St. Tammany	360.5	...	6.6	13.1	...	72.1	6.6	98.3	163.9
Tangipahoa	295.5	...	...	10.9	...	54.7	27.4	27.4	175.1
Washington	289.0	...	...	5.8	...	144.5	52.0	...	86.7
All parishes	1751.2	...	6.6	29.8	5.8	571.0	233.6	217.6	686.8

[1] Includes land leased to forest industry.

[2] Indian land will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

Table 3--Area of timberland by parish and forest type group, Southeast Louisiana, 1984

Parish	Total	Forest type group							Nontyped[1]
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress	
		Planted	Natural	Planted	Natural				
	Thousand acres								
East Baton Rouge	112.4	...	...	...	7.0	...	35.1	70.2	...
East Feliciana	172.1	...	...	13.8	61.9	34.4	41.3	20.6	...
Livingston	343.2	...	...	17.4	122.1	52.3	46.5	104.7	...
St. Helena	178.6	...	...	26.5	86.0	26.5	39.7	...	...
St. Tammany	360.5	32.8	65.5	...	65.5	39.3	59.0	98.3	...
Tangipahoa	295.5	10.9	16.4	16.4	49.3	54.7	49.3	93.0	5.5
Washington	289.0	...	5.8	46.2	46.2	52.0	86.7	52.0	...
All parishes	1751.2	43.7	87.7	120.3	438.1	259.3	357.6	438.9	5.5

[1] Timberland with no current stocking.

Table 4--Area of timberland by parish and stand-size class, Southeast Louisiana, 1984

Parish	All classes	Stand-size class			Nonstocked[1] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
East Baton Rouge	112.4	84.3	21.1	...	7.0
East Feliciana	172.1	137.6	6.9	20.6	6.9
Livingston	343.2	191.9	81.4	58.2	11.6
St. Helena	178.6	105.8	26.5	46.3	...
St. Tammany	360.5	183.5	72.1	98.3	6.6
Tangipahoa	295.5	164.2	38.3	76.6	16.4
Washington	289.0	104.0	57.8	127.2	...
All parishes	1751.2	971.4	304.0	427.2	48.5

[1] Timberland less than 16.7 percent stocked.

Table 5--Area of timberland by parish and site class, Southeast Louisiana, 1984

Parish	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-85	< 50
	Thousand acres					
East Baton Rouge	112.4	49.2	28.1	35.1	...	...
East Feliciana	172.1	34.4	68.8	55.1	13.8	...
Livingston	343.2	40.7	139.6	75.6	87.2	...
St. Helena	178.6	39.7	86.0	46.3	6.6	...
St. Tammany	360.5	13.1	59.0	124.5	131.1	32.8
Tangipahoa	295.5	16.4	87.6	98.5	76.6	16.4
Washington	289.0	17.3	40.5	86.7	144.5	...
All parishes	1751.2	210.8	509.5	521.8	459.8	49.2

Table 6--Area of timberland, by parish and stocking classes of growing-stock trees, Southeast Louisiana, 1984

Parish	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
	Thousand acres					
East Baton Rouge	112.4	...	7.0	42.1	56.2	7.0
East Feliciana	172.1	6.9	41.3	55.1	61.9	6.9
Livingston	343.2	46.5	64.0	133.8	87.2	11.6
St. Helena	178.6	...	39.7	99.2	39.7	...
St. Tammany	360.5	32.8	78.6	144.2	98.3	6.6
Tangipahoa	295.5	16.4	43.8	136.8	82.1	16.4
Washington	289.0	17.3	75.1	121.4	75.1	...
All parishes	1751.2	119.9	349.6	732.6	500.6	48.5

Table 7--Area of timberland by forest type and ownership class, Southeast Louisiana, 1984

Forest type[1]	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Longleaf-slash pine	131.5	...	6.6	5.8	45.9	73.2
Loblolly-shortleaf pine	558.5	...	5.8	223.8	5.8	323.1
Softwood total	689.9	...	12.3	229.6	51.7	396.3
Oak-pine	259.3	...	...	77.5	18.6	163.2
Oak-hickory	357.6	...	5.8	94.0	16.8	241.0
Oak-gum-cypress	438.9	...	24.1	64.0	18.9	332.0
Hardwood total	1055.8	...	29.9	235.5	54.3	736.2
Nontyped[2]	5.5	...	...	...	...	5.5
All types	1751.2	...	42.2	465.0	106.0	1138.0

[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 with no current stocking.

Table 8--Area of timberland, by ownership and stocking classes of growing-stock trees, Southeast Louisiana, 1984

Ownership class	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
	Thousand acres					
Other public	42.2	11.3	...	12.0	13.1	5.8
Forest industry	465.0	29.0	84.4	246.6	99.2	5.8
Forest industry-leased	106.0	13.1	25.5	61.9	5.5	...
Other private	1138.0	66.6	239.7	412.1	382.8	36.9
All ownerships	1751.2	119.9	349.6	732.6	500.6	48.5

Table 9--Area of timberland by forest type and stand-size class, Southeast Louisiana, 1984

Forest type[1]	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Longleaf-slash pine	131.5	67.0	39.3	25.1	...
Loblolly-shortleaf pine	558.5	302.6	86.8	162.2	6.9
Softwood total	689.9	369.6	126.1	187.3	6.9
Oak-pine	259.3	136.8	34.1	88.4	...
Oak-hickory	357.6	151.4	53.8	127.1	25.2
Oak-gum-cypress	438.9	313.6	90.0	24.4	10.9
Hardwood total	1055.8	601.8	178.0	239.9	36.2
Nontyped[2]	5.5	...	...	...	5.5
All types	1751.2	971.4	304.0	427.2	48.5

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

[2] Timberland with no current stocking.

Table 10--Number of live trees on timberland by species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)												
	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Thousand trees												
Longleaf-slash pines	40538	5910	9813	8052	7739	5270	1936	950	572	212	57	28	...
Shortleaf-loblolly pine	216835	94140	55226	27634	13425	8362	6465	4980	2894	1901	953	793	58
Other yellow pines	8624	1134	2734	704	619	940	674	603	409	413	216	144	35
Cypress	26209	9357	6314	4002	1703	2082	889	821	450	166	215	192	17
Other softwoods	9	...	...	...	...	...	...	...	...	...	...	...	9
Total softwoods	292215	110541	74087	40392	23486	16654	9964	7354	4325	2693	1442	1157	119
Select white oaks	9310	3281	2799	788	684	386	416	205	240	76	124	284	26
Select red oaks	3096	533	644	652	144	263	319	197	117	47	69	104	7
Other white oaks	11619	5970	2106	1654	568	473	414	130	125	130	20	12	18
Other red oaks	97550	62588	15056	6779	3936	2091	1694	1269	1097	1035	638	1125	239
Hickory	13533	7966	1245	1744	533	707	366	357	372	119	65	59	...
Soft maple	60546	50228	3629	3824	1422	527	342	253	139	129	23	31	...
Beech	3697	2241	...	409	...	154	109	218	...	47	166	296	56
Sweetgum	108036	69195	20130	8535	4094	2208	1285	1327	643	393	138	89	...
Tupelo-blackgum	122285	55506	30362	13054	10268	6555	2847	1376	978	578	382	362	17
Ash	29718	24014	3279	905	661	238	189	46	168	116	88	14	...
Cottonwood-aspen	170	...	...	...	125	...	...	45	...	...	...	...	...
Yellow-poplar	5142	1746	1063	415	689	169	336	175	130	204	119	79	18
Other hardwoods	123551	90851	16696	7658	3686	2091	1032	696	390	157	128	147	19
Total hardwoods	588252	374119	97010	46416	26811	15861	9349	6295	4398	3031	1961	2601	401
Noncommercial	106117	75522	16306	7067	5138	1258	699	43	...	28	41	...	14
All species	986584	560182	187403	93874	55435	33774	20013	13692	8723	5752	3444	3759	534

Table 11--Number of growing-stock trees on timberland by species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)												
	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Thousand trees												
Longleaf-slash pines	32674	1103	8611	7123	7142	5116	1936	807	539	212	57	28	...
Shortleaf-loblolly pine	174212	67450	45414	24422	11926	8072	5934	4674	2797	1781	905	778	58
Other yellow pines	6640	533	1667	704	399	866	674	603	409	390	216	144	35
Cypress	17596	3581	4244	3801	1703	1925	734	680	450	136	215	127	...
Total softwoods	231122	72667	59937	36050	21170	15979	9278	6763	4195	2519	1394	1077	93
Select white oaks	6106	1590	1691	788	684	386	368	165	138	52	65	180	...
Select red oaks	2454	...	644	652	144	263	249	197	117	47	44	90	7
Other white oaks	3884	...	1604	1156	425	167	248	85	58	130	...	12	...
Other red oaks	41281	19228	7982	4299	3026	1542	1289	1010	746	768	526	798	66
Hickory	5276	1262	1245	717	533	545	320	237	255	91	42	29	...
Soft maple	15436	9817	2064	2016	1045	236	63	135	31	30	...	...	...
Beech	1284	606	...	209	...	63	109	91	...	21	102	81	...
Sweetgum	49514	25152	11845	5012	3234	1657	842	966	374	341	67	24	...
Tupelo-blackgum	55144	13708	15737	8276	7617	5173	2125	878	793	393	242	194	9
Ash	4155	2603	...	650	296	142	71	46	168	92	88	...	...
Cottonwood-aspen	45	...	...	...	...	...	...	45	...	...	...	...	...
Yellow-poplar	3624	606	1063	207	689	169	274	175	101	204	70	57	9
Other hardwoods	26408	13401	5850	2991	1863	1179	339	426	138	129	66	26	...
Total hardwoods	214611	87974	49724	26972	19554	11521	6299	4457	2917	2297	1313	1491	92
All species	445733	160642	109661	63022	40724	27500	15577	11220	7112	4816	2707	2567	185

Table 12--Volume of growing stock on timberland by species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million cubic feet										
Longleaf-slash pines	221.0	17.1	48.4	61.6	37.9	23.5	16.8	8.3	4.3	3.1	...
Shortleaf-loblolly pine	900.9	54.2	73.9	105.7	131.0	150.0	116.4	101.2	73.5	84.5	10.6
Other yellow pines	124.3	1.8	3.4	12.1	13.4	18.0	19.0	20.9	14.4	12.9	8.4
Cypress	106.8	8.3	7.8	19.9	12.2	16.9	15.8	5.7	11.5	8.7	...
Total softwoods	1352.9	81.4	133.6	199.2	194.5	208.4	167.9	135.9	103.6	109.3	19.0
Select white oaks	38.0	1.5	3.9	3.1	5.4	3.4	5.2	1.7	2.6	11.3	...
Select red oaks	36.2	2.1	1.2	3.3	5.5	5.6	4.0	2.5	2.7	7.2	2.1
Other white oaks	16.1	2.0	1.7	1.2	4.5	0.8	1.2	3.9	...	0.8	...
Other red oaks	237.3	8.2	16.4	14.2	20.7	23.0	24.3	33.5	28.3	59.5	9.3
Hickory	32.5	1.4	3.6	4.4	4.4	4.6	7.4	3.1	1.7	1.9	...
Soft maple	18.9	4.8	6.3	1.7	0.8	3.1	0.7	1.5	...	...	...
Beech	13.3	0.6	...	0.3	1.4	1.4	...	0.8	3.3	5.5	...
Sweetgum	118.3	13.0	16.4	17.7	12.9	23.7	14.0	14.5	4.3	1.9	...
Tupelo-blackgum	212.8	16.7	38.2	48.6	30.7	21.9	22.1	13.0	11.9	9.0	0.9
Ash	20.6	1.2	2.0	1.9	1.2	1.4	5.4	3.3	4.2	...	...
Cottonwood-aspen	1.5	...	...	...	...	1.5	...	...	...	...	...
Yellow-poplar	41.9	0.5	4.8	2.1	6.0	5.4	4.2	9.3	3.7	4.7	1.1
Other hardwoods	58.0	6.2	10.9	12.5	5.5	9.8	4.0	4.1	3.4	1.7	...
Total hardwoods	845.4	58.3	105.3	111.0	98.9	105.6	92.5	91.1	66.1	103.4	13.3
All species	2198.3	139.7	238.9	310.2	293.5	314.0	260.4	227.0	169.7	212.6	32.3

Table 13--Volume of growing stock in the saw log portion of sawtimber[1] trees on timberland by species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)								
	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
	Million cubic feet								
Longleaf-slash pines	140.2	54.0	34.2	21.5	15.5	7.9	4.0	3.0	...
Shortleaf-loblolly pine	703.2	91.3	115.0	134.9	106.6	94.2	69.4	81.2	10.6
Other yellow pines	109.8	10.7	12.2	16.3	17.5	19.2	13.5	12.3	8.0
Cypress	66.5	4.9	9.6	14.1	13.8	5.2	10.6	8.4	...
Total softwoods	1019.7	160.9	171.0	186.9	153.5	126.4	97.5	104.9	18.6
Select white oaks	24.6	...	4.6	2.8	4.4	1.4	2.2	9.2	...
Select red oaks	24.8	...	4.9	4.7	3.4	2.1	2.2	5.9	1.6
Other white oaks	9.3	...	3.8	0.7	1.0	3.2	...	0.6	...
Other red oaks	166.3	...	17.8	19.7	20.6	27.9	23.6	49.2	7.6
Hickory	19.6	...	3.4	3.8	6.3	2.7	1.5	1.8	...
Soft maple	5.2	...	0.7	2.6	0.5	1.3	...	...	...
Beech	10.7	...	1.1	1.1	...	0.7	2.9	4.9	...
Sweetgum	59.1	...	10.1	19.2	11.6	12.5	3.8	1.9	...
Tupelo-blackgum	93.2	...	24.2	18.1	19.0	11.6	10.9	8.6	0.9
Ash	13.1	...	0.9	1.2	4.5	2.8	3.7	...	...
Cottonwood-aspen	1.3	...	...	1.3	...	...	...	...	...
Yellow-poplar	29.5	...	4.8	4.4	3.5	8.0	3.4	4.4	1.0
Other hardwoods	23.7	...	4.4	8.0	3.4	3.5	2.9	1.5	...
Total hardwoods	480.4	...	80.7	87.7	78.3	77.7	57.0	87.9	11.2
All species	1500.1	160.9	251.6	274.6	231.7	204.1	154.5	192.8	29.8

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

Table 14--Volume of sawtimber on timberland by species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)								
	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
	Million board feet								
Longleaf-slash pines	743.6	265.2	177.5	118.5	89.6	47.7	25.3	19.8	...
Shortleaf-loblolly pine	3972.0	425.7	587.1	735.9	613.6	562.7	434.8	535.7	76.4
Other yellow pines	619.0	54.1	62.8	89.9	97.5	111.0	78.6	73.5	51.8
Cypress	311.1	23.0	37.8	60.3	64.5	25.4	53.9	46.2	...
Total softwoods	5645.6	768.0	865.2	1004.5	865.2	746.9	592.5	675.2	128.2
Select white oaks	126.2	...	21.2	13.8	21.4	7.1	11.7	51.0	...
Select red oaks	125.0	...	21.7	22.6	16.2	10.7	11.7	32.1	10.1
Other white oaks	45.5	...	17.5	3.3	5.1	16.2	...	3.4	...
Other red oaks	856.5	...	80.3	93.7	101.1	142.7	124.5	268.4	45.8
Hickory	96.3	...	14.8	18.3	31.0	14.2	8.1	9.9	...
Soft maple	24.4	...	2.3	12.7	2.7	6.7	...	...	...
Beech	59.7	...	4.9	5.2	...	3.7	15.9	29.9	...
Sweetgum	279.0	...	40.5	86.3	56.3	63.7	20.8	11.3	...
Tupelo-blackgum	431.2	...	94.7	80.7	89.9	57.4	57.1	45.9	5.4
Ash	66.6	...	3.9	5.5	22.2	14.8	20.2	...	...
Cottonwood-aspen	6.2	...	...	6.2	...	...	...	...	...
Yellow-poplar	148.6	...	18.8	20.0	17.4	41.2	18.4	26.2	6.7
Other hardwoods	116.7	...	19.1	37.8	16.0	18.3	16.1	9.4	...
Total hardwoods	2381.9	...	339.8	406.0	379.4	396.6	304.5	487.6	68.0
All species	8027.5	768.0	1205.0	1410.4	1244.6	1143.5	897.0	1162.8	196.3

Table 15--Volume of growing stock and sawtimber on timberland by parish and species group, Southeast Louisiana, 1984

Parish	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						Million board feet					
East Baton Rouge	130.5	...	5.3	16.1	52.3	56.8	416.9	...	8.1	62.2	156.3	190.3
East Feliciana	294.8	30.3	173.9	...	31.2	59.4	1282.6	135.5	863.8	...	71.8	211.5
Livingston	496.9	23.0	236.7	33.1	129.8	74.2	1707.8	63.7	1015.3	112.4	250.4	266.0
St. Helena	246.8	13.2	178.0	...	21.0	34.6	1002.9	50.9	811.3	...	26.7	113.9
St. Tammany	437.0	24.8	230.0	17.6	90.3	74.3	1526.6	34.7	950.3	59.1	213.9	268.6
Tangipahoa	317.6	42.1	138.8	30.1	53.3	53.3	1117.5	121.0	655.6	40.9	131.1	168.9
Washington	274.6	17.8	132.0	9.9	49.6	65.2	973.3	28.6	595.8	36.4	128.7	183.8
All parishes	2198.3	151.4	1094.8	106.8	427.5	417.9	8027.5	434.4	4900.2	311.1	978.9	1402.9

[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 volume 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, Southeast Louisiana, 1984

Class of timber	All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural			
	Million cubic feet					
Sawtimber trees:						
Saw-log portion	1500.1	83.6	869.5	66.5	206.2	274.2
Upper-stem portion	208.7	10.9	83.2	24.1	38.0	52.4
Total	1708.7	94.5	952.7	90.6	244.2	326.6
Poletimber trees	489.6	56.8	142.1	16.1	183.3	91.3
All growing-stock trees	2198.3	151.4	1094.8	106.8	427.5	417.9
Rough trees:						
Sawtimber size	220.4	2.2	37.9	8.5	70.9	100.9
Poletimber size	129.9	2.1	17.5	0.5	46.9	63.0
Total	350.3	4.3	55.4	9.0	117.8	163.9
Rotten trees:						
Sawtimber size	82.1	...	2.6	7.7	28.7	43.1
Poletimber size	6.9	...	...	...	2.6	4.4
Total	89.0	...	2.6	7.7	31.3	47.5
Salvable dead trees:						
Sawtimber size	18.4	...	11.7	...	2.7	4.0
Poletimber size	6.4	0.7	3.8	...	0.5	1.3
Total	24.7	0.7	15.5	...	3.2	5.4
All classes	2662.4	156.3	1168.3	123.4	579.8	634.6

[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 volume 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, Southeast Louisiana, 1984

Ownership class	Live trees						Growing stock					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet											
Other public	86.2	...	28.2	17.6	16.1	24.3	69.7	...	28.2	17.6	8.4	15.4
Forest industry	470.1	40.9	224.4	4.5	68.3	132.0	392.3	40.0	210.4	3.0	48.6	90.3
Forest industry-leased	121.5	18.1	47.9	2.7	16.9	35.9	102.1	17.9	46.4	0.8	14.8	22.2
Other private	1959.9	96.7	852.3	98.5	475.3	437.1	1634.3	93.4	809.9	85.3	355.8	289.9
All ownerships	2637.7	155.6	1152.7	123.4	576.6	629.3	2198.3	151.4	1094.8	106.8	427.5	417.9

[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 volume 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 parish and species group, Southeast Louisiana, 1984

Parish	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						Million board feet					
East Baton Rouge	5.1	...	0.6	0.1	2.2	2.2	21.1	...	1.0	0.4	9.4	10.4
East Feliciana	11.8	1.0	6.9	...	1.0	2.9	66.1	5.7	45.8	...	3.0	11.5
Livingston	18.1	1.8	13.1	0.6	0.7	1.9	74.1	6.0	56.1	...	3.4	8.6
St. Helena	14.6	1.7	10.9	...	0.6	1.6	67.1	6.0	55.9	...	-0.4	5.5
St. Tammany	15.3	2.6	7.6	0.5	2.1	2.6	71.0	6.4	42.7	1.9	7.7	12.2
Tangipahoa	12.0	3.0	6.7	1.4	0.4	1.3	55.6	11.7	37.4	2.7	-1.6	5.4
Washington	15.1	2.2	7.9	0.2	0.9	4.0	61.0	6.5	41.2	0.7	1.2	11.4
All parishes	92.1	12.3	53.7	2.8	7.0	16.3	416.0	42.4	280.2	5.7	22.7	64.9

[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 volume 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 by parish and species group, Southeast Louisiana, 1984

Parish	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet						Million board feet					
East Baton Rouge	3.4	...	0.4	...	0.9	2.0	11.1	...	2.2	...	3.0	5.9
East Feliciana	3.0	...	2.1	...	0.3	0.5	13.1	...	9.7	...	1.3	2.1
Livingston	8.1	...	7.2	...	0.3	0.6	39.6	...	37.6	...	0.6	1.3
St. Helena	11.2	5.1	5.4	...	...	0.7	48.3	23.6	23.0	...	...	1.8
St. Tammany	14.0	2.6	8.0	0.1	2.0	1.2	55.4	12.6	32.0	0.7	5.5	4.7
Tangipahoa	11.3	0.8	9.0	...	0.5	1.1	47.6	1.7	40.7	...	0.9	4.3
Washington	13.7	5.3	7.5	...	0.1	0.7	54.9	21.7	30.7	...	0.5	2.0
All parishes	64.7	13.9	39.7	0.1	4.1	6.9	270.1	59.7	175.8	0.7	11.9	22.0

[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 volume 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, Southeast Louisiana, 1984

Species	Growth	Removals
	Million cubic feet	
Yellow pines	66.0	53.5
Other softwoods	2.8	0.1
Total softwoods	68.8	53.7
Select white-red oaks	2.6	1.0
Other white-red oaks	11.4	5.3
Hickory	1.2	0.3
Sweetgum	1.7	1.5
Ash-walnut-black cherry	-0.4	0.1
Yellow-poplar	2.2	0.3
Other hardwoods	4.7	2.7
Total hardwoods	23.3	11.0
All species	92.1	64.7

Table 21--Average net annual growth and average annual removals of sawtimber on timberland, Southeast Louisiana, 1984

Species	Growth	Removals
	---------- Million board feet ---------	
Yellow pines	322.6	235.5
Other softwoods	5.7	0.7
Total softwoods	328.4	236.2
Select white-red oaks	11.0	3.3
Other white-red oaks	45.7	17.1
Hickory	4.2	1.0
Sweetgum	3.0	5.1
Ash-walnut-black cherry	...	...
Yellow-poplar	8.3	0.9
Other hardwoods	15.5	6.6
Total hardwoods	87.6	33.9
All species	416.0	270.1

Table 22--Average annual mortality of growing stock and sawtimber on timberland by species, Southeast Louisiana, 1984

Species	Growing stock	Sawtimber
	- Million cubic feet -	- Million board feet -
Yellow pines	6.8	22.3
Total softwoods	6.8	22.3
Select white-red oaks	0.5	0.6
Other white-red oaks	2.1	5.1
Sweetgum	2.6	7.5
Ash-walnut-black cherry	0.5	0.4
Other hardwoods	3.7	9.6
Total hardwoods	9.5	23.2
All species	16.2	45.6

Table 23--Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Southeast Louisiana, 1984

Ownership class	Growth						Removals					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million cubic feet											
Other public	2.0	...	0.3	0.9	0.2	0.6	0.3	...	0.3	...	...	...
Forest industry	24.0	4.8	15.5	0.2	...	3.9	25.7	9.6	14.2	...	0.5	1.4
Forest industry-leased	5.8	1.9	2.7	0.1	0.4	0.8	5.7	1.0	2.9	...	1.6	0.3
Other private	60.4	5.6	35.3	2.1	6.4	11.1	32.9	3.3	22.2	0.1	2.0	5.2
All ownerships	92.1	12.3	53.7	2.8	7.0	16.3	64.7	13.9	39.7	0.1	4.1	6.9

[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 volume 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, Southeast Louisiana, 1984

Ownership class	Growth						Removals					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine		Other	Soft[1]	Hard[2]		Pine		Other	Soft[1]	Hard[2]
		Planted	Natural					Planted	Natural			
	Million board feet											
Other public	6.9	...	2.6	0.9	0.8	2.6	1.6	...	1.6	...	...	...
Forest industry	87.9	13.0	63.8	0.8	-2.3	14.2	108.9	42.4	61.9	...	1.1	3.5
Forest industry-leased	23.0	5.1	13.3	1.1	0.9	4.8	18.5	3.8	9.3	...	4.2	1.1
Other private	298.2	24.3	200.5	6.8	23.3	43.3	141.2	13.6	103.0	0.7	6.5	17.4
All ownerships	416.0	42.4	280.2	5.7	22.7	64.9	270.1	59.7	175.8	0.7	11.9	22.0

[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 volume 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, Southeast Louisiana, 1984

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4
	Million board feet				
Yellow pines	5334.6	1068.2	1223.3	3043.1	...
Cypress	311.1	63.6	119.8	127.6	...
Total softwoods	5645.6	1131.8	1343.1	3170.7	...
Select white-red oaks	251.2	62.0	42.5	72.5	74.2
Other white-red oaks	902.1	25.9	161.3	359.0	355.9
Hickory	96.3	7.2	15.1	43.3	30.6
Sweetgum	279.0	18.8	68.0	151.0	41.2
Tupelo and blackgum	431.2	50.1	189.6	189.7	1.8
Ash-walnut-black cherry	69.6	4.8	43.4	21.4	...
Yellow-poplar	148.6	29.6	16.3	46.6	56.2
Other hardwoods	204.0	6.1	42.4	99.1	56.3
Total hardwoods	2381.9	204.4	578.6	982.7	616.3
All species	8027.5	1336.2	1921.6	4153.4	616.3

SUPPLEMENTAL TABLES 26 - 36

Table 26--Area of timberland by stand age, forest type group, and type of regeneration, Southeast Louisiana, 1984

Stand Age Class	Pine		Oak-pine		Other hardwood types	
	Artifical	Natural	Artifical	Natural	Artifical	Natural
	Thousand acres					
1-10	56.9	48.3	...	18.9	11.6	43.0
11-20	58.1	29.1	...	5.8	11.6	6.6
21-30	36.4	70.2	18.7	5.5	...	7.0
31-40	12.7	89.2	...	13.2	...	6.6
41-50	...	...	...	...	...	...
>50	...	49.9	...	...	...	...
Mixed	...	239.1	...	197.2	...	710.2
All classes	164.0	525.9	18.7	240.6	23.1	773.4

Table 27--Volume of softwood growing stock on timberland by forest type, Southeast Louisiana, 1984

Parish	Total	Forest type group						
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
East Baton Rouge	21.4	...	...	...	5.3	...	...	16.1
East Feliciana	204.2	...	...	30.3	122.3	44.4	2.0	5.2
Livingston	292.8	...	...	23.0	170.1	43.2	9.7	46.8
St. Helena	191.2	...	...	4.3	153.0	26.3	7.6	...
St. Tammany	272.4	24.8	100.7	...	97.0	24.6	7.7	17.6
Tangipahoa	211.1	18.1	19.1	20.6	82.0	26.2	8.8	36.3
Washington	159.8	...	10.8	17.1	86.0	22.6	3.5	19.7
All parishes	1352.9	42.9	130.6	95.5	715.7	187.3	39.2	141.7

Table 28--Volume of hardwood growing stock on timberland by forest type, Southeast Louisiana, 1984

Parish	Total	Forest type group						
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
East Baton Rouge	109.1	...	...	...	1.9	...	24.0	83.3
East Feliciana	90.6	...	...	0.4	20.4	29.9	21.9	18.0
Livingston	204.0	...	...	2.1	12.6	17.7	22.1	149.5
St. Helena	55.6	...	...	1.1	20.6	10.2	23.7	...
St. Tammany	164.7	...	0.9	...	12.4	18.1	21.1	112.2
Tangipahoa	106.6	...	...	...	13.2	7.9	21.8	63.6
Washington	114.9	...	1.7	...	8.7	15.7	23.8	64.9
All parishes	845.4	...	2.6	3.6	89.8	99.5	158.4	491.5

Table 29--Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Southeast Louisiana, 1984

Parish	Total	Forest type group						
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
East Baton Rouge	14.8	...	...	...	1.4	...	...	13.4
East Feliciana	175.9	...	...	25.4	108.1	36.0	1.4	5.0
Livingston	213.9	...	...	12.8	125.6	30.0	8.7	36.8
St. Helena	155.8	...	...	1.4	124.6	24.1	5.7	...
St. Tammany	191.4	7.0	64.4	...	82.9	18.4	6.0	12.7
Tangipahoa	147.5	11.4	13.5	12.0	69.9	19.4	7.3	14.0
Washington	120.4	...	10.3	5.6	68.4	17.4	2.2	16.5
All parishes	1019.7	18.3	88.2	57.2	580.9	145.3	31.2	98.5

Table 30--Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Southeast Louisiana, 1984

Parish	Total	Forest type group						
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
East Baton Rouge	68.9	...	...	...	0.9	...	14.1	53.9
East Feliciana	58.0	...	...	...	9.9	21.3	14.4	12.4
Livingston	106.2	...	...	...	9.5	8.6	12.2	75.8
St. Helena	28.5	...	...	...	9.7	6.1	12.8	...
St. Tammany	97.9	...	...	...	6.5	13.5	13.7	64.3
Tangipahoa	59.1	...	...	...	8.0	0.4	15.9	34.7
Washington	61.8	...	0.7	...	5.8	4.9	7.8	42.6
All parishes	480.4	...	0.7	...	50.3	54.7	90.9	283.7

Table 31--Volume of timber on timberland by parish, class of timber and species group, Southeast Louisiana, 1984

Parish	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
East Baton Rouge	177.7	21.4	109.1	5.1	32.1	0.8	9.3
East Feliciana	353.2	204.2	90.6	14.8	37.0	...	6.5
Livingston	592.5	292.8	204.0	9.6	57.9	6.3	21.9
St. Helena	273.8	191.2	55.6	3.1	15.8	1.9	6.1
St. Tammany	522.2	272.4	164.7	11.8	59.0	0.4	14.0
Tangipahoa	384.9	211.1	106.6	9.0	42.6	0.7	14.9
Washington	333.4	159.8	114.9	15.2	37.4	0.2	6.0
All parishes	2637.7	1352.9	845.4	68.6	281.7	10.3	78.7

Table 32--Number of live trees on timberland by detailed species and diameter class, Southeast Louisiana, 1984

Species	All classes	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
	Diameter class (inches at breast height)												
	Thousand trees												
Longleaf pine	4761	502	1709	...	426	446	680	355	464	158	21	...	...
Slash pine	35777	5408	8104	8052	7313	4823	1256	594	108	54	37	28	...
Shortleaf pine	7618	1213	1739	1369	1237	907	701	321	131	...	...	...	...
Loblolly pine	209217	92927	53487	26265	12189	7455	5764	4660	2763	1901	953	793	58
Spruce pine	8624	1134	2734	704	619	940	674	603	409	413	216	144	35
Redcedar	9	...	...	...	...	...	...	...	...	...	...	...	9
Cypress	26209	9357	6314	4002	1703	2082	889	821	450	166	215	192	17
Total softwoods	292215	110541	74087	40392	23486	16654	9964	7354	4325	2693	1442	1157	119
Select white oaks	9310	3281	2799	788	684	386	416	205	240	76	124	284	26
Select red oaks	3096	533	644	652	144	263	319	197	117	47	69	104	7
Other white oaks	11619	5970	2106	1654	568	473	414	130	125	130	20	12	18
Other red oaks	97550	62588	15056	6779	3936	2091	1694	1269	1097	1035	638	1125	239
Sweet pecan	1233	644	...	589	...	...	...	...	...	...	...	...	...
Water hickory	2705	...	601	674	408	546	58	88	188	87	23	32	...
Other hickories	9594	7322	644	480	125	161	308	270	183	33	42	27	...
Persimmon	12737	11762	644	253	...	78	...	...	...	...	...	...	...
Soft maple	60546	50228	3629	3824	1422	527	342	253	139	129	23	31	...
Beech	3697	2241	...	409	...	154	109	218	...	47	166	296	56
Sweetgum	108036	69195	20130	8535	4094	2208	1285	1327	643	393	138	89	...
Blackgum	81080	47724	16041	6575	6006	2565	837	423	426	249	165	62	8
Other gums/tupelos	41205	7782	14321	6479	4263	3990	2010	953	552	329	217	300	9
White ash	183	...	...	...	183	...	...	...	...	...	...	...	...
Other ashes	29535	24014	3279	905	479	238	189	46	168	116	88	14	...
Sycamore	449	...	...	...	...	189	151	51	...	...	24	33	...
Cottonwood	170	...	...	...	125	...	...	45	...	...	...	...	...
Yellow-poplar	5142	1746	1063	415	689	169	336	175	130	204	119	79	18
Magnolia	6074	4280	631	...	244	261	124	277	113	52	61	12	19
Sweetbay	18968	12437	3010	1532	1058	328	165	175	138	49	44	30	...
Willow	409	...	...	172	...	105	63	55	...	...	...	14	...
Black cherry	7480	5572	631	615	288	302	...	...	37	...	...	35	...
American elm	10915	8323	1288	631	128	363	132	...	...	29	...	22	...
Other elms	15567	14086	533	357	275	82	148	49	36	...	...	...	...
River birch	1617	...	1202	234	...	80	60	41	...	...	...	...	...
Hackberry	1575	...	1288	260	...	...	...	...	...	27	...	...	...
Other locusts	737	...	...	445	245	...	...	47	...	...	...	...	...
Sassafras	722	...	...	533	159	...	...	...	31	...	...	...	...
Dogwood	33253	24867	5905	1681	734	66	...	...	...	...	...	...	...
Holly	7925	5691	1063	583	315	237	...	...	35	...	...	...	...
Other commercial	5125	3832	502	360	241	...	189	...	...	...	...	...	...
Total hardwoods	588252	374119	97010	46416	26811	15861	9349	6295	4398	3031	1961	2601	401
Noncommercial	106117	75522	16306	7067	5138	1258	699	43	...	28	41	...	14
All species	986584	560182	187403	93874	55435	33774	20013	13692	8723	5752	3444	3759	534

Table 33--Number of growing stock-stock trees on timberland by detailed species and diameter class, Southeast Louisiana, 1984

Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Thousand trees										
Longleaf pine	2517	...	426	446	680	355	430	158	21	...	...
Slash pine	20443	7123	6716	4670	1256	452	108	54	37	28	...
Shortleaf pine	4039	1019	960	907	701	321	131	...	...	...	...
Loblolly pine	57308	23403	10966	7164	5233	4353	2666	1781	905	778	58
Spruce pine	4439	704	399	866	674	603	409	390	216	144	35
Cypress	9772	3801	1703	1925	734	680	450	136	215	127	...
Total softwoods	98518	36050	21170	15979	9278	6763	4195	2519	1394	1077	93
Select white oaks	2825	788	684	386	368	165	138	52	65	180	...
Select red oaks	1810	652	144	263	249	197	117	47	44	90	7
Other white oaks	2280	1156	425	167	248	85	58	130	...	12	...
Other red oaks	14071	4299	3026	1542	1289	1010	746	768	526	798	66
Sweet pecan	268	268	...	...	...	...	...	...	...	...	...
Water hickory	1338	177	408	466	58	46	112	58	...	14	...
Other hickories	1163	272	125	80	262	191	143	33	42	15	...
Persimmon	331	253	...	78	...	...	...	...	...	...	...
Soft maple	3555	2016	1045	236	63	135	31	30	...	...	...
Beech	678	209	...	63	109	91	...	21	102	81	...
Sweetgum	12517	5012	3234	1657	842	966	374	341	67	24	...
Blackgum	11408	3606	4173	2049	568	342	361	187	104	16	...
Other gums/tupelos	14291	4669	3444	3123	1557	535	431	206	138	178	9
White ash	183	...	183	...	...	...	...	...	...	...	...
Other ashes	1369	650	113	142	71	46	168	92	88	...	...
Sycamore	267	...	...	117	76	51	...	...	24	...	...
Cottonwood	45	...	...	...	...	45	...	...	...	...	...
Yellow-poplar	1954	207	689	169	274	175	101	204	70	57	9
Magnolia	855	...	244	261	59	185	...	52	42	12	...
Sweetbay	2318	1013	908	177	...	134	36	49	...	...	...
Willow	174	...	...	105	...	55	...	...	...	14	...
Black cherry	466	337	...	93	...	...	37	...	...	...	...
American elm	447	...	128	187	132	...	...	...	...	...	...
Other elms	430	...	275	82	73	...	...	...	...	...	...
River birch	80	...	...	80	...	...	...	...	...	...	...
Hackberry	27	...	...	...	...	...	...	27	...	...	...
Sassafras	404	215	159	...	...	...	31	...	...	...	...
Dogwood	946	797	149	...	...	...	...	...	...	...	...
Holly	411	376	...	...	...	...	35	...	...	...	...
Total hardwoods	76912	26972	19554	11521	6299	4457	2917	2297	1313	1491	92
All species	175431	63022	40724	27500	15577	11220	7112	4816	2707	2567	185

Table 34--Volume of growing stock on timberland by species and diameter class, Southeast Louisiana, 1984

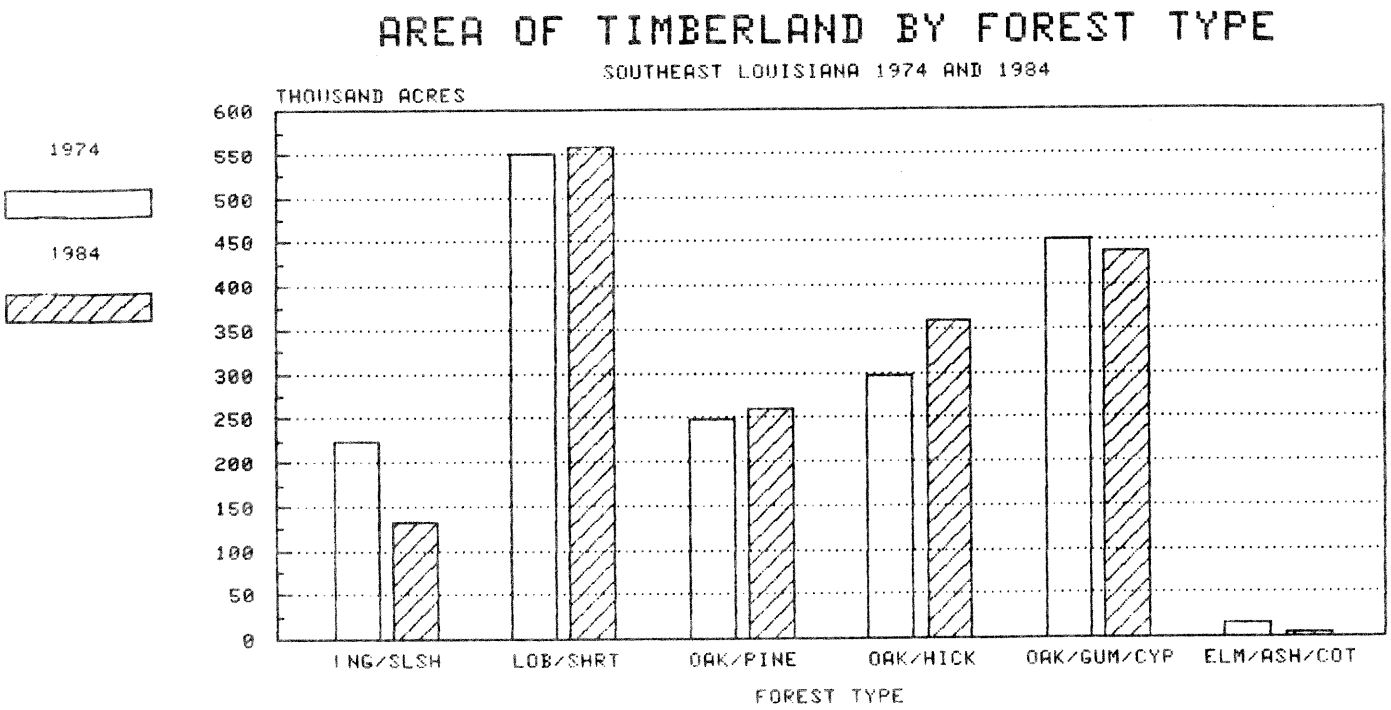
Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million cubic feet										
Longleaf pine	48.0	...	3.1	5.6	11.0	8.5	12.7	5.9	1.2	...	...
Slash pine	173.0	17.1	45.4	56.0	26.9	15.0	4.0	2.4	3.0	3.1	...
Shortleaf pine	58.1	3.2	8.1	14.2	15.7	11.2	5.8	...	...	...	...
Loblolly pine	842.7	51.0	65.8	91.5	115.3	138.8	110.6	101.2	73.5	84.5	10.6
Spruce pine	124.3	1.8	3.4	12.1	13.4	18.0	19.0	20.9	14.4	12.9	8.4
Cypress	106.8	8.3	7.8	19.9	12.2	16.9	15.8	5.7	11.5	8.7	...
Total softwoods	1352.9	81.4	133.6	199.2	194.5	208.4	167.9	135.9	103.6	109.3	19.0
Select white oaks	38.0	1.5	3.9	3.1	5.4	3.4	5.2	1.7	2.6	11.3	...
Select red oaks	36.2	2.1	1.2	3.3	5.5	5.6	4.0	2.5	2.7	7.2	2.1
Other white oaks	16.1	2.0	1.7	1.2	4.5	0.8	1.2	3.9	...	0.8	...
Other red oaks	237.3	8.2	16.4	14.2	20.7	23.0	24.3	33.5	28.3	59.5	9.3
Sweet pecan	0.4	0.4	...	...	...	...	...	...	...	...	...
Water hickory	14.6	0.6	2.7	3.5	0.9	0.6	3.0	2.3	...	1.1	...
Other hickories	17.6	0.5	0.9	0.9	3.5	4.0	4.4	0.8	1.7	0.8	...
Persimmon	1.6	0.5	...	1.1	...	...	...	...	...	...	...
Soft maple	18.9	4.8	6.3	1.7	0.8	3.1	0.7	1.5	...	...	...
Beech	13.3	0.6	...	0.3	1.4	1.4	...	0.8	3.3	5.5	...
Sweetgum	118.3	13.0	16.4	17.7	12.9	23.7	14.0	14.5	4.3	1.9	...
Blackgum	88.2	7.6	20.7	18.1	8.3	9.1	10.5	6.8	6.0	1.1	...
Other gums/tupelos	124.6	9.1	17.5	30.5	22.4	12.8	11.7	6.2	5.8	7.9	0.9
White ash	1.0	...	1.0	...	...	...	...	...	...	...	...
Other ashes	19.6	1.2	1.0	1.9	1.2	1.4	5.4	3.3	4.2	...	...
Sycamore	6.0	...	...	1.2	1.7	1.7	...	...	1.5	...	...
Cottonwood	1.5	...	...	...	...	1.5	...	...	...	...	...
Yellow-poplar	41.9	0.5	4.8	2.1	6.0	5.4	4.2	9.3	3.7	4.7	1.1
Magnolia	13.6	...	1.6	3.3	1.0	4.0	...	1.4	1.9	0.4	...
Sweetbay	15.4	2.2	5.7	1.2	...	3.1	1.3	1.9	...	...	...
Willow	3.7	...	...	1.4	...	1.0	...	...	...	1.3	...
Black cherry	1.8	0.4	...	0.5	...	...	0.9	...	...	...	...
American elm	4.6	...	0.6	2.1	1.8	...	...	...	...	...	...
Other elms	3.7	...	1.8	0.9	1.0	...	...	...	...	...	...
River birch	0.9	...	...	0.9	...	...	...	...	...	...	...
Hackberry	0.7	...	...	...	...	...	...	0.7	...	...	...
Sassafras	2.6	0.7	0.8	...	...	...	1.1	...	...	...	...
Dogwood	1.7	1.3	0.4	...	...	...	...	...	...	...	...
Holly	1.7	1.0	...	...	...	...	0.7	...	...	...	...
Total hardwoods	845.4	58.3	105.3	111.0	98.9	105.6	92.5	91.1	66.1	103.4	13.3
All species	2198.3	139.7	238.9	310.2	293.5	314.0	260.4	227.0	169.7	212.6	32.3

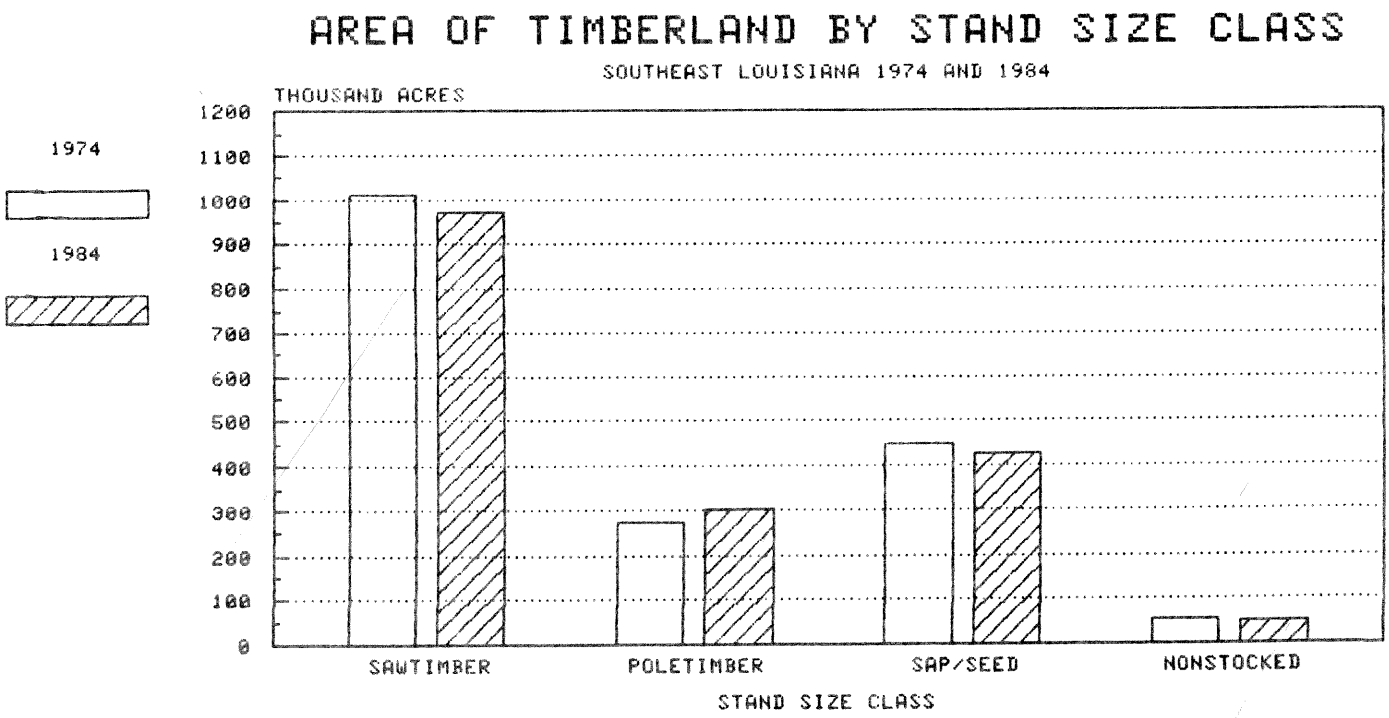
Table 35--Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Southeast Louisiana, 1984

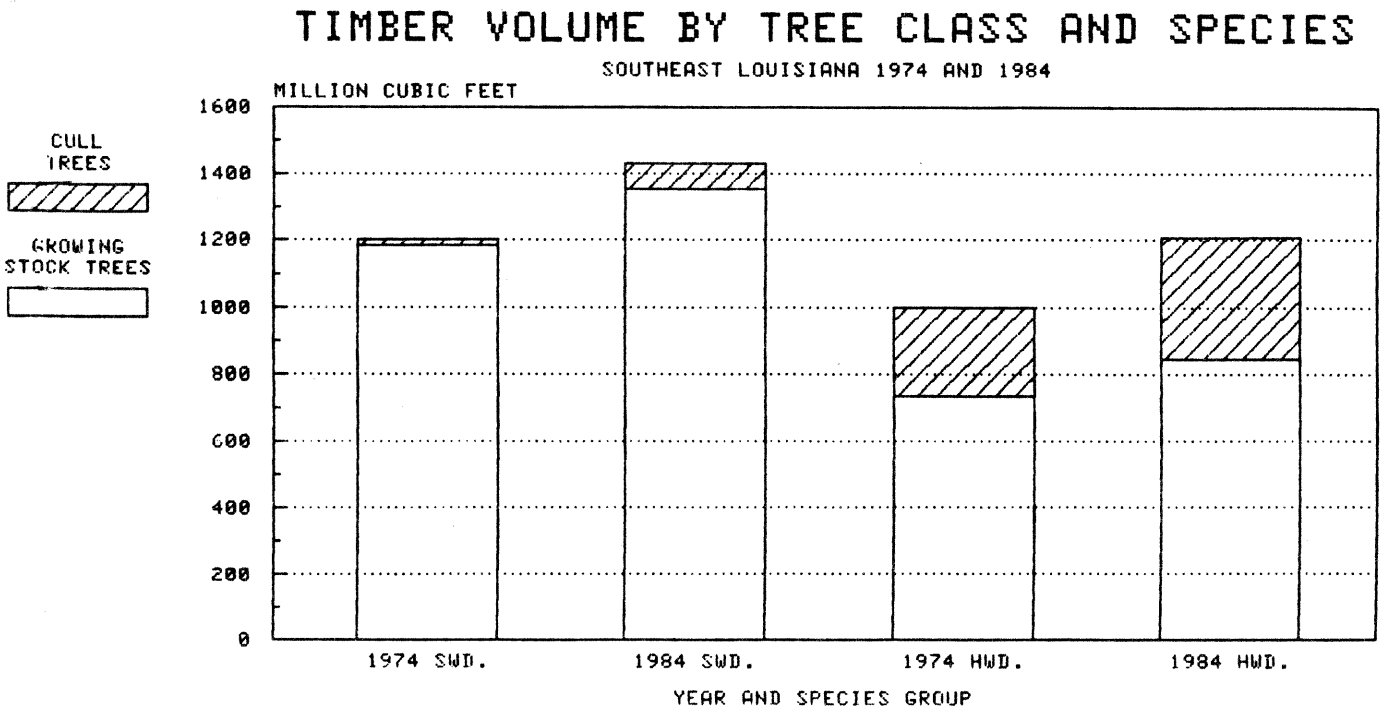
Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million cubic feet								
Longleaf pine	41.0	4.9	9.9	7.8	11.7	5.6	1.2	...	...
Slash pine	99.2	49.2	24.3	13.8	3.7	2.3	2.9	3.0	...
Shortleaf pine	41.3	12.3	13.6	10.1	5.2	...	...	...	...
Loblolly pine	661.9	78.9	101.4	124.8	101.4	94.2	69.4	81.2	10.6
Spruce pine	109.8	10.7	12.2	16.3	17.5	19.2	13.5	12.3	8.0
Cypress	66.5	4.9	9.6	14.1	13.8	5.2	10.6	8.4	...
Total softwoods	1019.7	160.9	171.0	186.9	153.5	126.4	97.5	104.9	18.6
Select white oaks	24.6	...	4.6	2.8	4.4	1.4	2.2	9.2	...
Select red oaks	24.8	...	4.9	4.7	3.4	2.1	2.2	5.9	1.6
Other white oaks	9.3	...	3.8	0.7	1.0	3.2	...	0.6	...
Other red oaks	166.3	...	17.8	19.7	20.6	27.9	23.6	49.2	7.6
Water hickory	6.9	...	0.7	0.5	2.6	2.0	...	1.1	...
Other hickories	12.7	...	2.7	3.3	3.7	0.7	1.5	0.7	...
Soft maple	5.2	...	0.7	2.6	0.5	1.3	...	...	...
Beech	10.7	...	1.1	1.1	...	0.7	2.9	4.9	...
Sweetgum	59.1	...	10.1	19.2	11.6	12.5	3.8	1.9	...
Blackgum	34.6	...	6.4	7.3	8.6	5.9	5.4	1.0	...
Other gums/tupelos	58.6	...	17.8	10.8	10.4	5.7	5.5	7.6	0.9
Other ashes	13.1	...	0.9	1.2	4.5	2.8	3.7	...	...
Sycamore	4.0	...	1.3	1.4	...	...	1.3	...	...
Cottonwood	1.3	...	...	1.3	...	...	...	...	...
Yellow-poplar	29.5	...	4.8	4.4	3.5	8.0	3.4	4.4	1.0
Magnolia	7.2	...	0.8	3.2	...	1.2	1.6	0.3	...
Sweetbay	5.3	...	...	2.5	1.1	1.6	...	...	...
Willow	2.0	...	...	0.8	...	...	...	1.2	...
Black cherry	0.8	...	...	...	0.8	...	...	...	...
American elm	1.6	...	1.6	...	...	...	...	...	...
Other elms	0.8	...	0.8	...	...	...	...	...	...
Hackberry	0.6	...	...	...	...	0.6	...	...	...
Sassafras	0.9	...	...	...	0.9	...	...	...	...
Holly	0.6	...	...	...	0.6	...	...	...	...
Total hardwoods	480.4	...	80.7	87.7	78.3	77.7	57.0	87.9	11.2
All species	1500.1	160.9	251.6	274.6	231.7	204.1	154.5	192.8	29.8

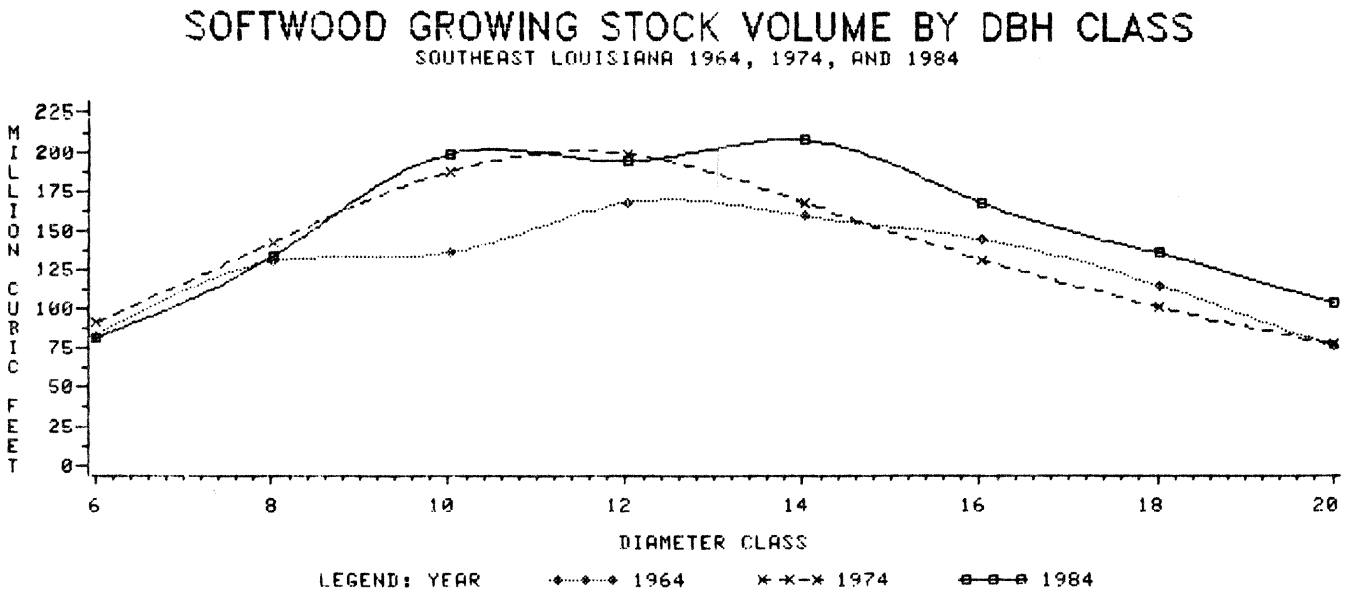
Table 36--Volume of timber on timberland by species and class of timber, Southeast Louisiana, 1984

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Longleaf pine	49.3	48.0	1.3	...
Slash pine	183.6	173.0	10.6	...
Shortleaf pine	60.4	58.1	2.3	...
Loblolly pine	888.1	842.7	42.7	2.6
Spruce pine	127.1	124.3	2.8	...
Redcedar	0.4	...	...	0.4
Cypress	123.0	106.8	9.0	7.2
Total softwoods	1431.8	1352.9	68.6	10.3
Select white oaks	53.0	38.0	9.2	5.8
Select red oaks	40.2	36.2	2.7	1.3
Other white oaks	24.9	16.1	7.9	1.0
Other red oaks	316.4	237.3	56.7	22.4
Sweet pecan	1.1	0.4	0.7	...
Water hickory	21.8	14.6	7.3	...
Other hickories	22.0	17.6	3.4	1.0
Persimmon	1.6	1.6	...	...
Soft maple	40.2	18.9	15.6	5.7
Beech	27.2	13.3	5.7	8.3
Sweetgum	159.7	118.3	31.8	9.5
Blackgum	117.4	88.2	22.2	7.1
Other gums/tupelos	157.3	124.6	25.4	7.3
White ash	1.0	1.0	...	...
Other ashes	25.8	19.6	4.8	1.4
Sycamore	10.0	6.0	4.0	...
Cottonwood	2.3	1.5	0.8	...
Yellow-poplar	48.1	41.9	5.0	1.2
Magnolia	21.1	13.6	6.2	1.4
Sweetbay	24.7	15.4	6.5	2.8
Willow	5.2	3.7	1.5	...
Black cherry	8.8	1.8	4.9	2.1
American elm	7.8	4.6	3.2	...
Other elms	5.7	3.7	2.0	...
River birch	3.3	0.9	2.4	...
Hackberry	1.0	0.7	0.3	...
Other locusts	2.4	...	2.0	0.4
Sassafras	3.0	2.6	0.4	...
Dogwood	4.1	1.7	2.4	...
Holly	4.6	1.7	2.7	0.1
Other commercial	2.1	...	2.1	...
Total hardwoods	1163.8	845.4	239.6	78.7
Noncommercial	42.1	...	42.1	...
All species	2637.7	2198.3	350.3	89.0


AREA OF TIMBERLAND BY FOREST TYPE
SOUTHEAST LOUISIANA 1974 AND 1984
THOUSAND ACRES
1974
1984
600
550
500
450
400
350
300
250
200
150
100
50
0
ING/SLSH
LOB/SHRT
OAK/PINE
OAK/HICK
OAK/GUM/CYP
ELM/ASH/COT
FOREST TYPE

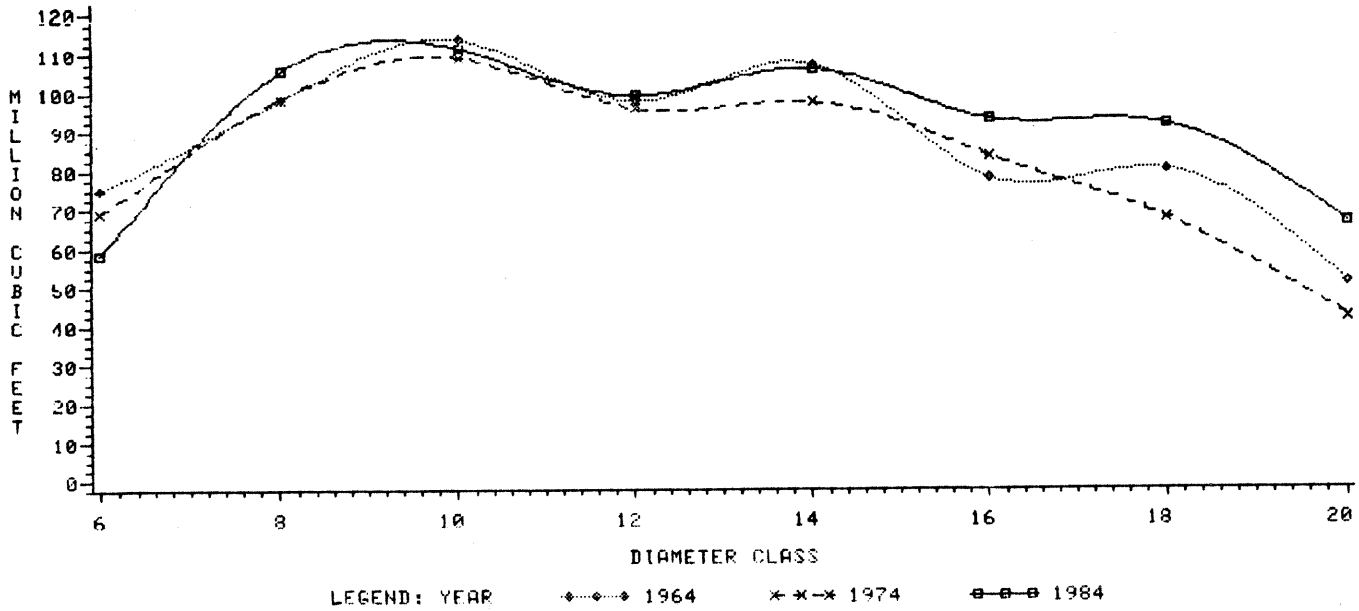

AREA OF TIMBERLAND BY STAND SIZE CLASS
SOUTHEAST LOUISIANA 1974 AND 1984
THOUSAND ACRES
1974
1984
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
SAWTIMBER
POLETIMBER
SAP/SEED
NONSTOCKED
STAND SIZE CLASS


TIMBER VOLUME BY TREE CLASS AND SPECIES
SOUTHEAST LOUISIANA 1974 AND 1984
MILLION CUBIC FEET
CULL TREES
GROWING STOCK TREES
1600
1400
1200
1000
800
600
400
200
0
1974 SWD.
1984 SWD.
1974 HWD.
1984 HWD.
YEAR AND SPECIES GROUP


SOFTWOOD GROWING STOCK VOLUME BY DBH CLASS
SOUTHEAST LOUISIANA 1964, 1974, AND 1984
MILLION CUBIC FEET
225
200
175
150
125
100
75
50
25
0
6
8
10
12
14
16
18
20
DIAMETER CLASS
LEGEND: YEAR
1964
1974
1984

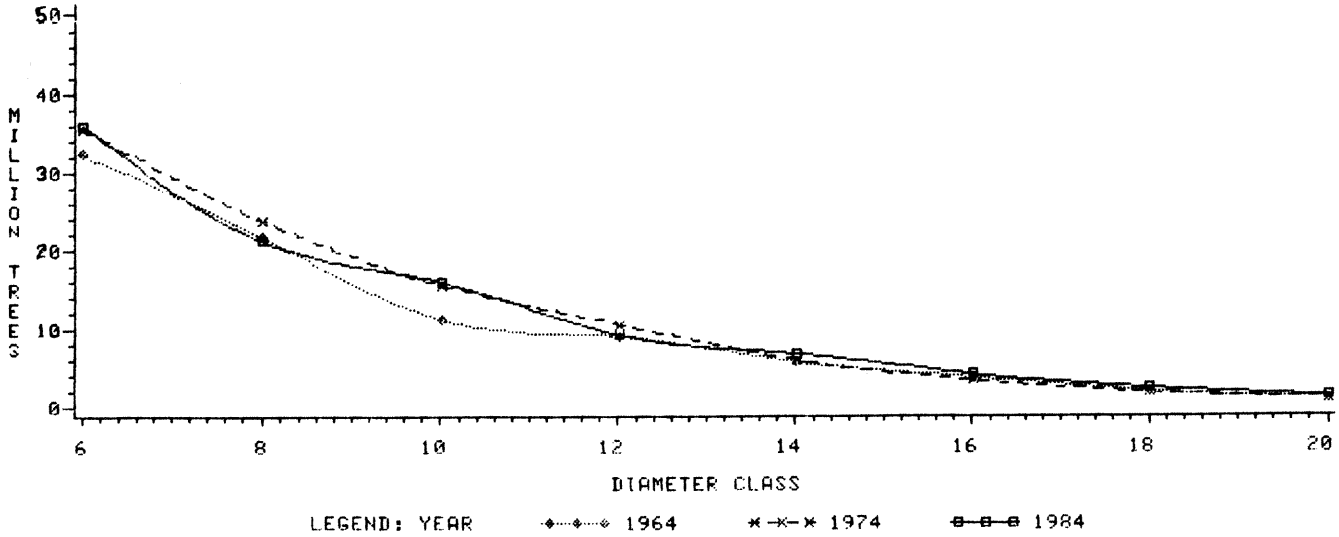
HARDWOOD GROWING STOCK VOLUME BY DBH CLASS

SOUTHEAST LOUISIANA 1964, 1974, AND 1984



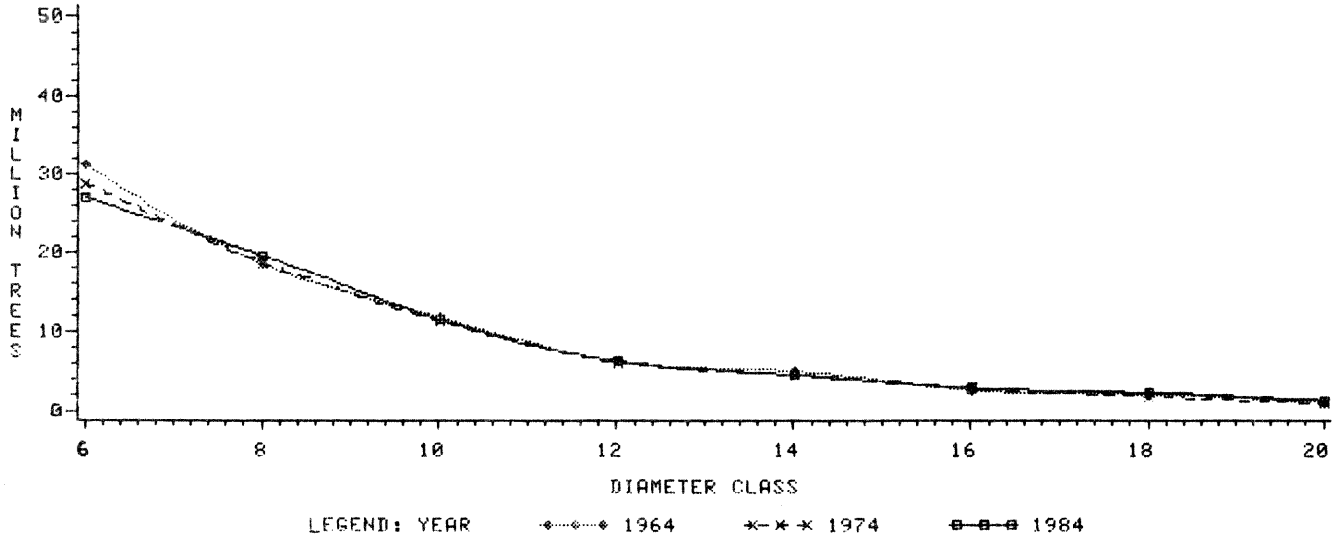
NUMBER OF SOFTWOOD GROWING STOCK TREES BY DBH CLASS

SOUTHEAST LOUISIANA 1964, 1974, AND 1984



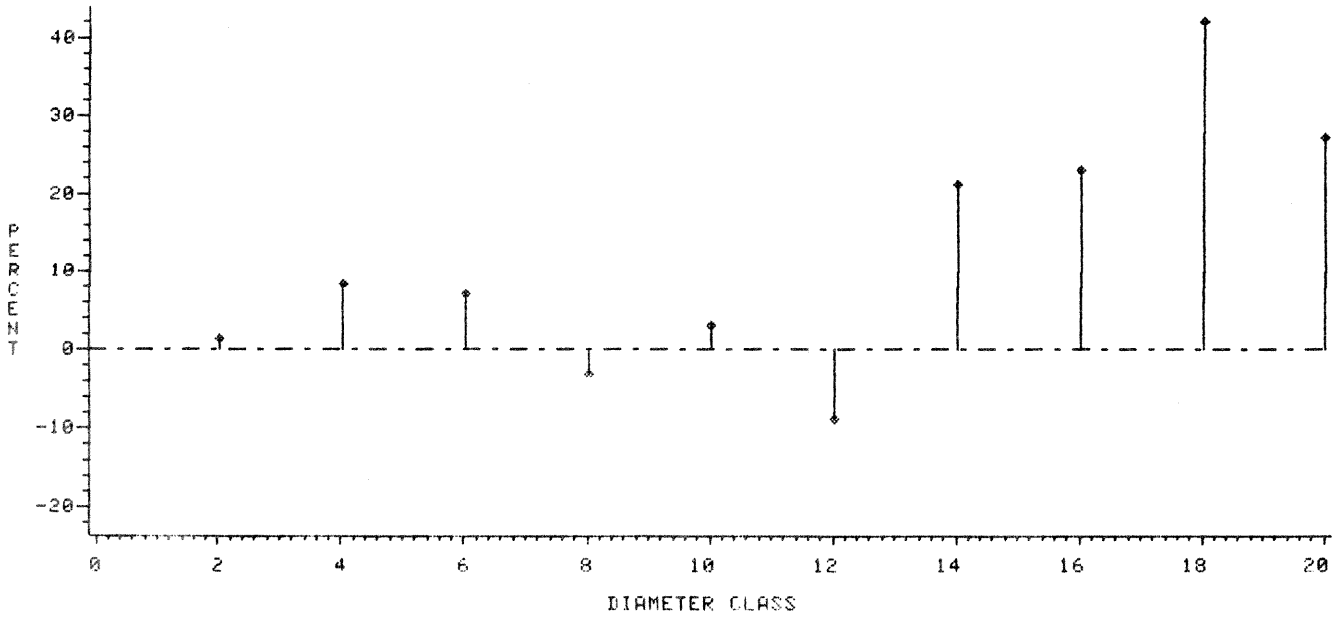
NUMBER OF HARDWOOD GROWING STOCK TREES BY DBH CLASS

SOUTHEAST LOUISIANA 1964, 1974, AND 1984



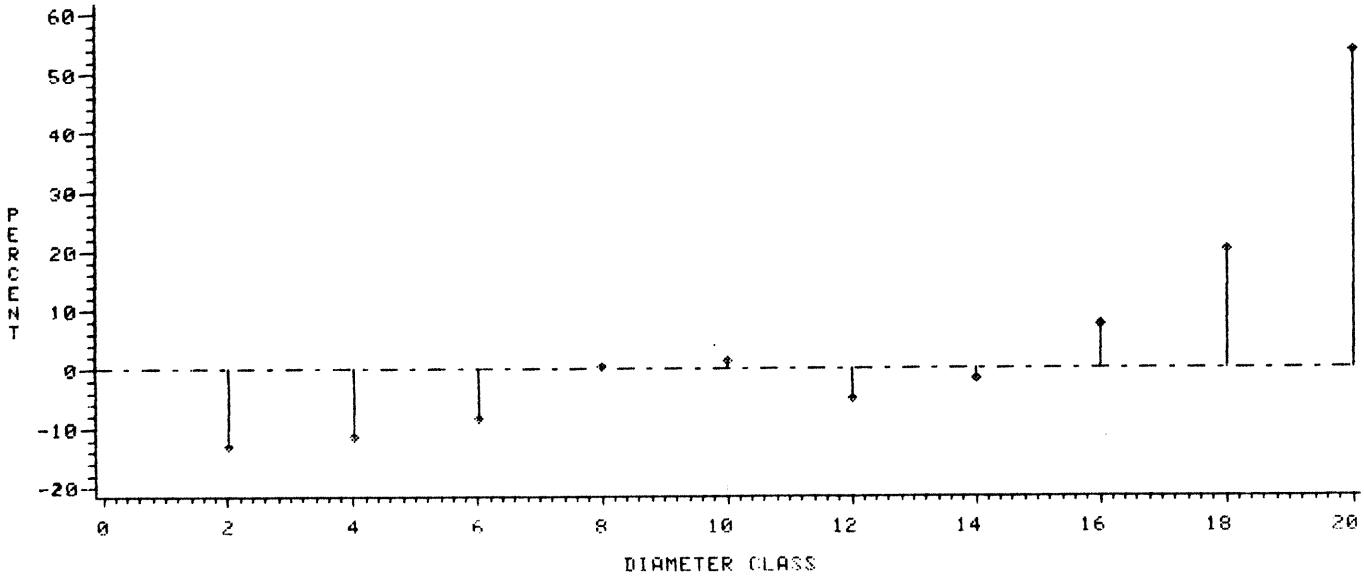
CHANGE IN NUMBER OF LIVE SOFTWOOD TREES

SOUTHEAST LOUISIANA 1974 TO 1984



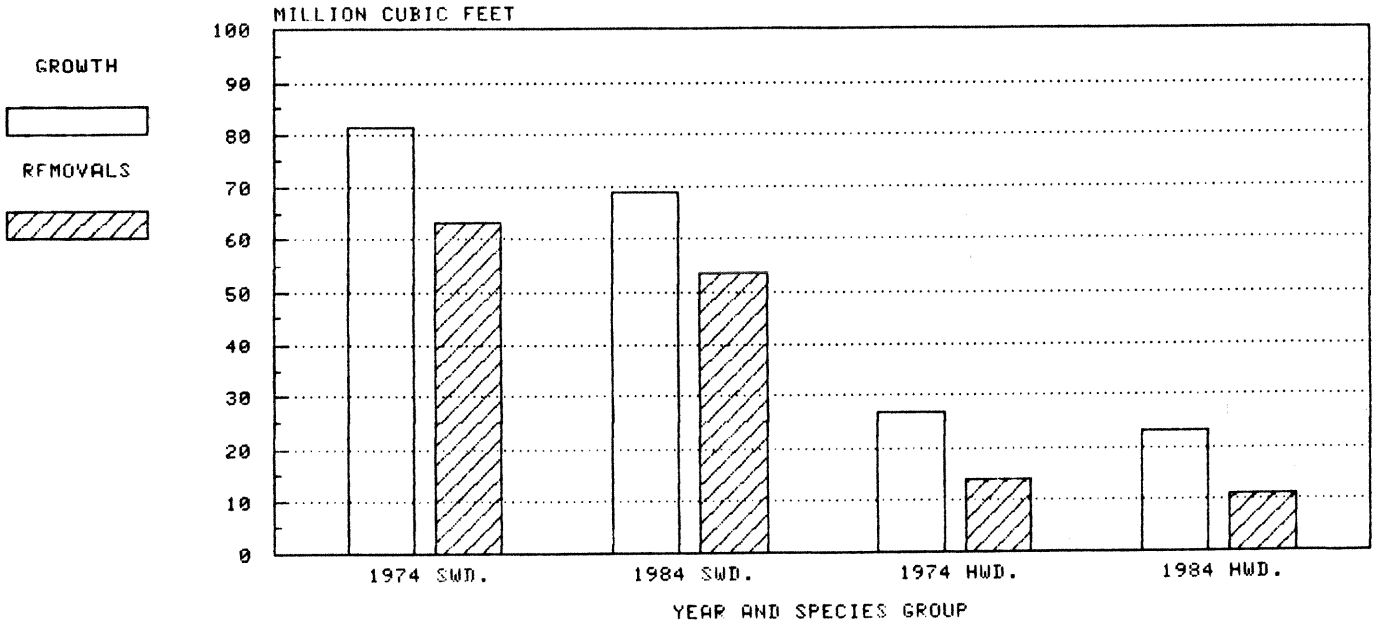
CHANGE IN NUMBER OF LIVE HARDWOOD TREES

SOUTHEAST LOUISIANA 1974 TO 1984



GROWTH AND REMOVALS BY SPECIES GROUP

SOUTHEAST LOUISIANA 1974 AND 1984



Rosson, Jr., James F. and Daniel F. Bertelson. Forest Statistics for Southeast Louisiana parishes. Resourc. Bull. SO-104 . New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1986. 31 p.

Tabulates forest resource information from a new inventory of the Southeast Unit of Louisiana.

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

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