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Forest Statistics for Northwest Louisiana Parishes

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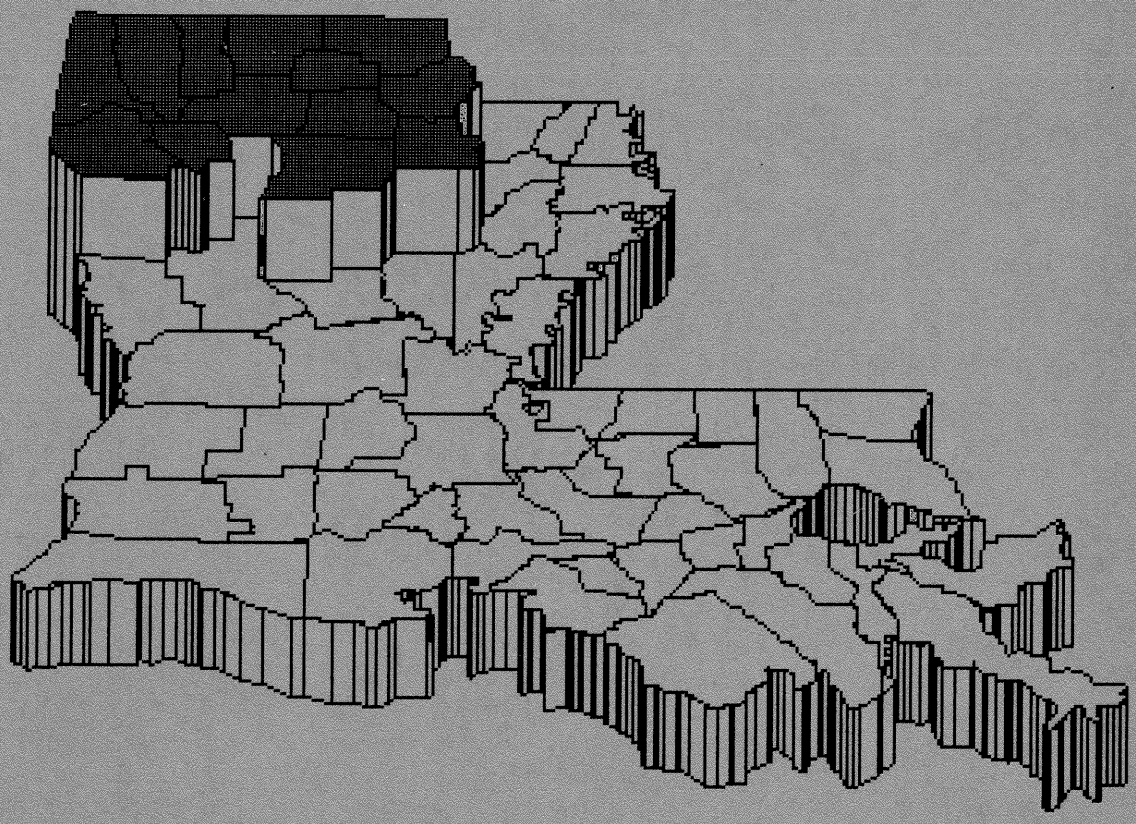

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SUMMARY

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.

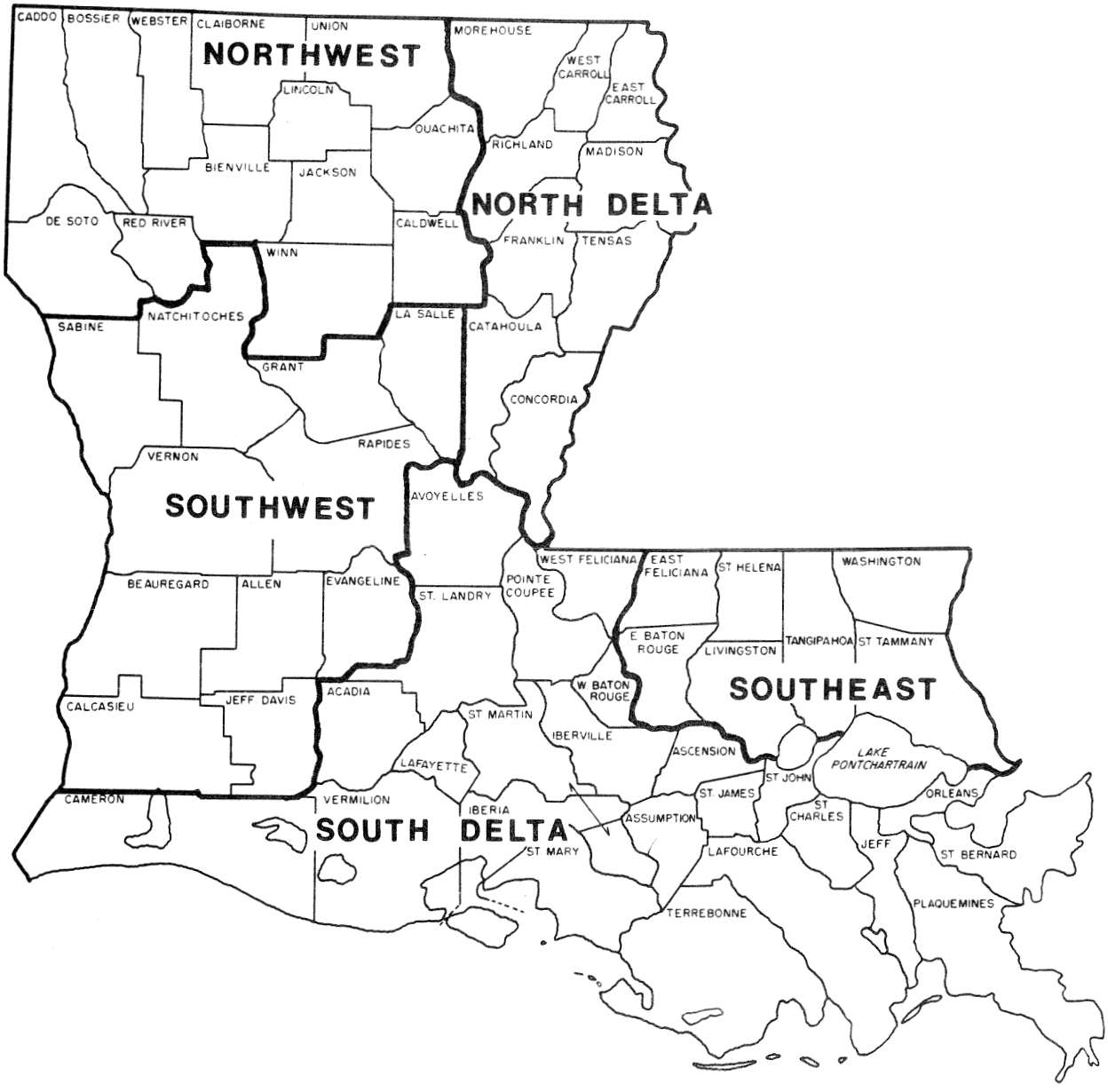

Figure 1.--The forest survey regions of Louisiana.

Forest Statistics for Northwest Louisiana Parishes

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

HIGHLIGHTS

These tables were derived from data obtained during a 1984 inventory of 13 parishes comprising the Northwest 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

Acreage of timberland decreased to 4,399,900 acres, a 1 percent decline. Although the trend appears fairly stable for the unit since the 1974 inventory, large gains or losses of timberland in individual parishes have occurred.

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

Parish	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
	Percent				
Bienville	1.8	12.0	7.9	13.6	13.9
Bossier	1.7	10.7	7.1	20.9	13.4
Caddo	2.0	10.6	11.1	13.2	12.8
Caldwell	1.9	9.4	12.5	17.0	11.1
Claiborne	1.7	8.4	7.0	13.7	10.5
De Soto	2.3	8.3	11.8	12.5	9.4
Jackson	2.0	14.5	9.1	11.5	18.4
Lincoln	2.0	13.5	10.5	11.5	16.0
Ouachita	2.5	10.8	13.1	13.3	13.0
Red River	1.8	14.5	26.2	27.5	18.6
Union	1.9	9.7	10.2	11.9	11.6
Webster	3.2	11.7	10.5	14.4	13.7
Winn	0.9	7.8	9.0	10.5	9.4
All parishes	0.6	3.1	2.9	4.1	3.8

[1] By random-sampling formula.

Ownership

Nonindustrial private timberland acreage declined 148,000 acres to 2,715,600 acres while forest industry acreage did not change significantly. When comparing the 1974 and 1984 inventories, nonindustrial private timberland acreage that is leased to forest industry is included in forest industry acreage.

Forest Type

There have been some significant shifts in forest types since the 1974 inventory. The oak-hickory forest type has increased to 996,300 acres, a 30 percent jump. The oak-pine forest type has declined 17 percent from 1,059,700 acres to 883,900 acres. Also noteworthy, the loblolly-shortleaf type acreage decreased by 31,200 acres. Although a small amount (2 percent), this means a likely decrease of pine growing stock sometime in the future. Selective cutting of pine, especially on private land, without adequate pine regeneration causes such shifts in forest type acreage.

Stand Size

The forest stands in Northwest Louisiana have gradually shifted from poletimber to sawtimber size. Sawtimber acreage increased by 168,900 acres while poletimber acreage declined 245,600 acres. Sapling-seedling acreage changed only slightly since the 1974 survey, declining 32,300 acres. Despite the sawtimber acreage increase, the decline in poletimber acreage may point to supply problems sometime in the future.

Gross Growth

Currently, softwood growing-stock gross growth (net annual growth plus annual mortality) is 56 cubic feet per acre per year. Hardwood growing-stock gross growth is 30 cubic feet per acre per year. Gross growth, in 1974, was 57 cubic feet per acre per year and 22 cubic feet per acre per year for softwood and hardwood, respectively.

Softwood sawtimber gross growth is 275 board feet per acre per year; hardwood sawtimber gross growth is 100 board feet per acre per year.

Removals

Softwood removals from growing stock averaged 188 million cubic feet annually. Softwood sawtimber removals averaged 860 million board feet annually.

Hardwood growing-stock removals were 60 million cubic feet per year; hardwood sawtimber removals were 180 million board feet annually.

Number of Trees

The number of sapling-size softwood live trees (1.0 inch to 4.9 inch) has decreased by 26 percent since the 1974 survey. The number of sapling-size softwood growing-stock trees has decreased by 37 percent. This decline, though diminished, continues through the 8-inch diameter class. Thus, a shortage of softwood volume is likely sometime in the future.

Net Inventory Change

Softwood growing stock increased at an annual rate of 32 million cubic feet per year (net growth minus removals). In 1974, softwood increased 71 million cubic feet per year. Hardwood growing stock increased 54 million cubic feet per year, an improvement over the 36 million cubic feet per year in 1974. Softwood sawtimber increased 280 million board feet annually; hardwood sawtimber increased 205 million board feet annually (net growth minus removals).

Mortality

There was an appreciable increase in annual mortality of softwood and hardwood growing stock between inventories. Softwood mortality increased from 13 million to 25 million cubic feet.

Hardwood mortality increased from 11 million cubic feet to 18 million cubic feet. This increase in mortality results from an increase in overall tree size and age in the Northwest unit.

Cull Volume

The volume of rough and rotten trees is up since the 1974 inventory. Softwood cull volume has increased from 60 million cubic feet to 93 million cubic feet. Two percent of live tree softwood volume is in cull trees.

Hardwood cull volume has increased from 580 million cubic feet to 595 million cubic feet. Again, as in mortality, such increases arise as forest stands mature. Twenty percent of live tree hardwood volume is in cull trees.

Artificial Regeneration

Although the acreage of pine plantations increased 9 percent since 1974, the increase amounts to only 37,700 acres. A total of 468,900 acres of the Northwest survey unit are in pine plantations, 11 percent of total timberland.

Softwood Volume

Softwood growing-stock volume and sawtimber volume have increased substantially since 1974. Current softwood growing-stock volume is 3,845 million cubic feet; softwood sawtimber volume is 17,440 million board feet. Much of this increase in volume is due to the increase in the number of trees in each diameter class, 10 inches and larger.

Hardwood Volume

Hardwood growing-stock and sawtimber volume increased significantly. Growing-stock volume increased to 2,375 million cubic feet. Sawtimber volume increased to 6,520 million board feet. These volume increases can be attributed to increases in the number of hardwood trees from the 8-inch diameter class and larger.

Tables 1-25 were developed to provide compatability 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 inter-survey 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 over abundance 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 sampled area; that is, sawtimber, poletimber, or sapling and seedling.

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

Table 1 -- Area by parish and land class, Northwest Louisana, 1984

Parish	All land[1]	Forest land				Nonforest land
		Total	Timberland[2]	Woodland[3]	Reserved timberland	
	Thousand acres					
Bienville	526.4	437.0	437.0	...	...	89.3
Bossier	554.5	367.0	367.0	...	...	187.5
Caddo	600.4	298.6	298.6	...	...	301.8
Caldwell	346.1	253.6	253.6	...	...	92.5
Claiborne	491.2	398.5	398.3	...	0.2	92.7
De Soto	572.4	377.1	377.1	...	...	195.2
Jackson	370.8	334.8	334.8	...	...	36.0
Lincoln	302.3	223.9	223.9	...	...	78.4
Ouachita	404.6	230.2	230.2	...	...	174.4
Red River	257.3	135.6	135.6	...	...	121.7
Union	578.9	477.1	477.1	...	...	101.8
Webster	393.6	291.1	290.5	...	0.6	102.4
Winn	612.2	576.3	576.1	...	0.2	35.9
All parishes	6010.7	4400.9	4399.9	...	1.0	1609.8

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, Northwest Louisiana, 1984

Parish	All ownerships	National forest	Misc. federal	State	Parish and municipal	Forest industry[1]	Farmer	Corporate[2]	Individual[2]
	Thousand acres								
Bienville	437.0	...	...	...	...	262.2	32.8	...	142.0
Bossier	367.0	...	21.6	...	10.8	80.9	10.8	16.2	226.7
Caddo	298.6	...	...	10.5	5.2	...	21.0	41.9	220.0
Caldwell	253.6	...	...	41.3	5.9	106.2	17.7	5.9	76.7
Claiborne	398.3	26.1	...	...	...	32.6	...	19.6	320.0
De Soto	377.1	...	...	...	...	70.7	47.1	23.6	235.7
Jackson	334.8	...	...	...	...	191.3	...	10.6	132.9
Lincoln	223.9	...	...	...	...	11.5	5.7	...	206.7
Ouachita	230.2	...	6.4	12.8	6.4	44.8	6.4	25.6	127.9
Red River	135.6	...	...	...	...	36.5	5.2	10.4	83.5
Union	477.1	...	29.8	6.0	6.0	143.1	35.8	23.9	232.6
Webster	290.5	25.3	18.9	...	...	50.5	31.6	12.6	151.6
Winn	576.1	105.2	...	...	...	315.7	...	5.5	149.6
All parishes	4399.9	156.6	76.7	70.5	34.3	1346.2	214.1	195.8	2305.7

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, Northwest Louisiana, 1984

Parish	Total	Forest type group								Nontyped[1]
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress	Elm-ash-cottonwood	
		Planted	Natural	Planted	Natural					
	Thousand acres									
Bienville	437.0	5.5	...	92.9	109.3	98.3	109.3	21.9	...	...
Bossier	367.0	...	...	10.8	145.7	75.6	59.4	59.4	16.2	...
Caddo	298.6	...	...	...	78.6	78.6	62.9	73.3	5.2	...
Caldwell	253.6	...	...	23.6	53.1	35.4	59.0	82.6	...	...
Claiborne	398.3	...	...	45.7	143.7	78.4	91.4	39.2	...	...
De Soto	377.1	...	...	35.4	123.7	94.3	82.5	41.2	...	...
Jackson	334.8	5.3	...	47.8	90.4	69.1	85.0	37.2	...	...
Lincoln	223.9	...	...	23.0	103.3	28.7	51.7	17.2	...	...
Ouachita	230.2	...	...	19.2	63.9	19.2	44.8	83.1	...	...
Red River	135.6	...	...	5.2	15.6	31.3	52.2	15.6	10.4	5.2
Union	477.1	...	...	59.6	149.1	65.6	101.4	101.4	...	...
Webster	290.5	...	...	6.3	94.7	82.1	69.5	37.9	...	...
Winn	576.1	...	5.5	88.6	160.6	127.4	127.4	60.9	...	5.5
All parishes	4399.9	10.8	5.5	458.1	1331.8	883.9	996.3	670.9	31.9	10.8

[1] Timberland with no current stocking.

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

Parish	All classes	Stand-size class			Nonstocked[1] areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Bienville	437.0	196.7	114.7	120.2	5.5
Bossier	367.0	264.4	64.8	27.0	10.8
Caddo	298.6	172.9	62.9	62.9	...
Caldwell	253.6	171.0	29.5	41.3	11.8
Claiborne	398.3	202.4	117.5	78.4	...
De Soto	377.1	229.8	70.7	64.8	11.8
Jackson	334.8	164.8	53.1	106.3	10.6
Lincoln	223.9	126.3	63.2	34.4	...
Ouachita	230.2	134.3	51.2	32.0	12.8
Red River	135.6	67.8	26.1	36.5	5.2
Union	477.1	280.3	101.4	65.6	29.8
Webster	290.5	145.2	94.7	50.5	...
Winn	576.1	288.0	88.6	188.3	11.1
All parishes	4399.9	2444.0	938.4	908.2	109.4

[1] Timberland less than 16.7 percent stocked.

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

Parish	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-85	< 50
	Thousand acres					
Bienville	437.0	21.9	163.9	207.6	43.7	...
Bossier	367.0	80.9	145.7	97.1	37.8	5.4
Caddo	298.6	5.2	68.1	151.9	73.3	...
Caldwell	253.6	11.8	88.5	59.0	88.5	5.9
Claiborne	398.3	45.7	169.8	137.1	45.7	...
De Soto	377.1	70.7	176.8	123.7	5.9	...
Jackson	334.8	42.5	132.9	132.9	26.6	...
Lincoln	223.9	40.2	74.6	63.2	45.9	...
Ouachita	230.2	19.2	95.9	63.9	51.2	...
Red River	135.6	10.4	15.6	57.4	36.5	15.6
Union	477.1	11.9	137.2	232.6	83.5	11.9
Webster	290.5	12.6	88.4	126.3	50.5	12.6
Winn	576.1	60.9	216.0	221.6	66.5	11.1
All parishes	4399.9	434.1	1573.4	1674.3	655.5	62.6

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

Parish	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
	Thousand acres					
Bienville	437.0	54.6	147.5	158.4	71.0	5.5
Bossier	367.0	32.4	113.3	134.9	75.6	10.8
Caddo	298.6	10.5	73.3	136.2	78.6	...
Caldwell	253.6	17.7	11.8	141.5	70.8	11.8
Claiborne	398.3	26.1	143.7	163.2	65.3	...
De Soto	377.1	41.2	106.1	129.6	88.4	11.8
Jackson	334.8	21.3	106.3	148.8	47.8	10.6
Lincoln	223.9	23.0	51.7	103.3	45.9	...
Ouachita	230.2	12.8	51.2	95.9	57.5	12.8
Red River	135.6	5.2	36.5	46.9	41.7	5.2
Union	477.1	59.6	131.2	137.2	119.3	29.8
Webster	290.5	31.6	63.2	145.2	50.5	...
Winn	576.1	27.7	144.0	271.4	121.9	11.1
All parishes	4399.9	363.7	1179.7	1812.8	934.3	109.4

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

Forest type[1]	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Longleaf-slash pine	16.3	5.5	...	5.5	...	5.3
Loblolly-shortleaf pine	1789.9	74.8	35.6	584.7	28.6	1066.2
Softwood total	1806.2	80.3	35.6	590.1	28.6	1071.5
Oak-pine	883.9	19.2	11.4	291.9	16.8	544.7
Oak-hickory	996.3	33.2	12.4	300.9	29.0	620.8
Oak-gum-cypress	670.9	23.9	116.9	83.3	...	446.7
Elm-ash-cottonwood	31.9	...	5.2	...	...	26.6
Hardwood total	2582.9	76.3	145.9	676.1	45.8	1638.8
Nontyped[2]	10.8	...	...	5.5	...	5.2
All types	4399.9	156.6	181.5	1271.7	74.4	2715.5

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

Ownership class	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
	Thousand acres					
National forest	156.6	...	53.4	85.8	17.4	...
Other public	181.5	11.7	23.6	75.4	58.9	11.9
Forest industry	1271.7	124.8	367.8	480.4	276.3	22.4
Forest industry-leased	74.4	17.0	23.0	17.7	16.7	...
Other private	2715.5	210.2	711.9	1153.4	565.0	75.1
All ownerships	4399.9	363.7	1179.7	1812.8	934.3	109.4

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

Forest type[1]	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Longleaf-slash pine	16.3	16.3	...	...	...
Loblolly-shortleaf pine	1789.9	1159.4	323.5	307.0	...
Softwood total	1806.2	1175.7	323.5	307.0	...
Oak-pine	883.9	452.9	201.3	229.6	...
Oak-hickory	996.3	360.3	290.0	317.1	28.8
Oak-gum-cypress	670.9	444.5	118.4	38.2	69.8
Elm-ash-cottonwood	31.9	10.5	5.2	16.2	...
Hardwood total	2582.9	1268.3	614.9	601.2	98.6
Nontyped[2]	10.8	...	...	...	10.8
All types	4399.9	2444.0	938.4	908.2	109.4

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

[2] Timberland with no current stocking.

Table 10--Number of live trees on timberland by species and diameter class, Northwest 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	3857	508	547	909	92	611	413	403	147	121	78	28	...
Shortleaf-loblolly pine	787415	321350	172497	107581	63867	48787	29102	20386	11858	6597	2814	2406	169
Cypress	6706	1133	1087	372	783	1183	594	558	442	154	147	195	58
Other softwoods	8078	6798	541	397	260	70	...	...	...	...	...	11	...
Total softwoods	806056	329789	174672	109259	65003	50652	30109	21347	12447	6872	3039	2639	227
Select white oaks	85072	53169	13798	7780	3545	2325	1851	860	701	400	314	295	34
Select red oaks	33294	19323	5130	4234	643	972	745	707	336	498	281	324	101
Other white oaks	67734	31907	15148	5940	4567	3342	1939	1631	1169	861	393	762	74
Other red oaks	269281	170130	35601	18740	15534	10392	6918	4443	2738	1550	1042	1790	404
Hickory	97025	63030	14558	7537	3715	2912	2350	1409	638	341	172	313	50
Hard maple	5484	3834	1158	312	...	...	108	38	...	...	...	34	...
Soft maple	171037	139020	22998	5021	2805	793	221	154	...	24	...	...	...
Beech	9595	4170	1680	953	468	467	293	414	391	149	224	343	43
Sweetgum	534112	356525	98017	38077	19653	9271	5255	3567	1955	901	548	321	21
Tupelo-blackgum	130002	98385	17321	7169	2896	1680	773	595	510	263	118	278	14
Ash	51131	32557	9560	4810	2088	800	476	418	142	152	41	79	8
Cottonwood-aspen	1027	...	...	200	487	156	89	33	...	...	...	40	20
Basswood	2578	1041	540	856	...	...	52	43	28	...	...	...	18
Yellow-poplar	118	...	...	...	...	...	118	...	...	...	...	...	...
Black walnut	317	...	...	304	...	...	...	...	...	...	...	14	...
Other hardwoods	359086	269528	54250	20291	7693	2943	1945	1173	616	393	80	161	13
Total hardwoods	1816895	1242619	289758	122226	64096	36054	23133	15485	9223	5533	3213	4754	801
Noncommercial	332390	278495	40717	9044	3022	654	250	77	62	25	...	43	...
All species	2955340	1850903	505146	240528	132121	87361	53492	36910	21733	12430	6252	7437	1027

Table 11--Number of growing-stock trees on timberland by species and diameter class, Northwest 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	2378	...	...	484	92	611	413	403	147	121	78	28	...
Shortleaf-loblolly pine	626281	209693	138576	97470	61030	47509	28654	19802	11704	6550	2797	2327	169
Cypress	4174	547	...	372	670	662	594	521	409	128	104	140	27
Other softwoods	6009	5270	...	397	260	70	...	...	...	...	...	11	...
Total softwoods	638841	215510	138576	98723	62053	48853	29661	20726	12260	6799	2979	2506	196
Select white oaks	44729	18832	9973	6878	3183	2005	1626	787	639	328	259	202	16
Select red oaks	17707	8403	2025	3498	643	812	629	578	247	359	219	260	36
Other white oaks	32146	8286	7379	4962	3394	2876	1669	1370	795	632	250	476	56
Other red oaks	119701	46427	19923	15065	13337	9653	6275	3834	2274	1146	669	952	145
Hickory	31508	11907	5250	5019	2825	2455	1910	954	518	293	132	223	22
Hard maple	1231	540	579	...	...	...	56	38	...	...	...	17	...
Soft maple	37607	22914	10341	2744	1215	329	64	...	...	...	...	...	...
Beech	2326	540	...	404	217	159	235	218	214	96	124	120	...
Sweetgum	263221	137198	58345	31480	17647	8662	4300	2804	1477	697	397	214	...
Tupelo-blackgum	22893	9337	4558	4078	1840	1451	606	371	288	116	118	129	...
Ash	19413	9829	4225	2446	1586	413	417	242	112	96	20	26	...
Cottonwood-aspen	741	...	...	200	221	156	89	33	...	...	...	31	10
Basswood	1018	...	540	407	...	...	...	43	28	...	...	...	...
Yellow-poplar	59	...	...	...	...	...	59	...	...	...	...	...	...
Other hardwoods	90107	47159	21109	11976	5031	1818	1581	706	369	250	61	48	...
Total hardwoods	684408	321371	144249	89157	51138	30790	19515	11980	6961	4013	2249	2700	285
All species	1323249	536881	282825	187880	113190	79644	49176	32706	19221	10813	5228	5205	481

Table 12--Volume of growing stock on timberland by species and diameter class, Northwest 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	56.3	1.7	0.7	9.3	11.0	13.2	7.2	6.5	4.4	2.3	...
Shortleaf-loblolly pine	3699.0	216.5	376.0	583.4	583.8	599.1	487.4	373.3	203.8	244.3	31.4
Cypress	87.5	1.0	3.6	9.7	12.4	13.7	16.6	6.7	6.8	12.4	4.7
Other softwoods	3.9	0.6	0.7	1.2	...	...	...	...	...	1.3	...
Total softwoods	3846.7	219.9	380.9	603.6	607.2	626.0	511.1	386.5	215.1	260.4	36.0
Select white oaks	174.1	16.1	17.2	21.6	28.8	22.8	23.9	14.2	13.4	12.8	3.2
Select red oaks	116.8	7.1	3.1	8.8	12.3	15.3	11.5	17.6	13.5	22.2	5.6
Other white oaks	214.6	8.2	19.5	28.0	23.4	30.1	21.8	26.5	12.1	37.0	8.2
Other red oaks	722.5	34.3	83.2	112.0	113.6	100.0	81.2	52.7	36.9	85.8	22.7
Hickory	190.7	10.7	16.5	27.1	38.3	28.6	21.5	16.5	8.4	18.9	4.1
Hard maple	2.2	...	...	...	0.5	0.6	...	...	...	1.0	...
Soft maple	18.6	6.6	7.7	3.5	0.8	...	...	...	...	...	...
Beech	42.9	1.1	1.3	1.7	3.1	4.2	9.2	3.7	8.7	9.9	...
Sweetgum	591.2	58.7	103.3	102.4	87.1	86.9	64.1	38.8	28.8	21.1	...
Tupelo-blackgum	83.7	7.3	8.9	15.5	10.7	8.6	8.5	6.5	7.0	10.7	...
Ash	50.6	6.1	11.6	4.9	7.1	7.1	5.1	5.2	0.7	2.9	...
Cottonwood-aspen	12.5	0.4	1.2	1.6	2.4	1.3	...	...	...	4.2	1.4
Basswood	4.4	1.3	...	...	...	1.6	1.5	...	...	...	...
Yellow-poplar	1.8	...	...	...	1.8	...	...	...	...	...	...
Other hardwoods	148.3	26.0	27.3	19.2	28.8	16.1	12.9	11.3	3.5	3.1	...
Total hardwoods	2374.8	184.0	300.8	346.2	358.8	323.1	261.2	193.0	133.0	229.6	45.2
All species	6221.5	403.9	681.7	949.7	965.9	949.1	772.3	579.5	348.1	490.0	81.2

Table 13--Volume of growing stock in the saw-log portion of sawtimber[1] trees on timberland by species and diameter class, Northwest 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	48.5	7.9	9.7	11.8	6.5	6.1	4.2	2.3	...
Shortleaf-loblolly pine	2826.5	493.8	512.8	541.9	452.4	354.4	197.5	242.3	31.4
Cypress	67.3	2.4	9.7	11.6	14.6	6.0	6.3	12.0	4.7
Other softwoods	2.4	1.1	...	...	...	...	...	1.3	...
Total softwoods	2944.7	505.2	532.2	565.3	473.6	366.5	208.1	257.9	36.0
Select white oaks	98.3	...	22.0	18.1	19.8	12.2	11.7	11.4	3.1
Select red oaks	82.5	...	9.5	12.0	9.4	14.9	11.5	19.6	5.5
Other white oaks	134.9	...	18.4	23.9	18.1	22.7	10.4	33.3	8.0
Other red oaks	412.2	...	88.4	79.8	67.7	44.6	32.2	77.7	21.7
Hickory	115.8	...	31.5	24.0	18.4	14.3	7.3	16.6	3.7
Hard maple	1.8	...	0.4	0.5	...	...	...	0.9	...
Soft maple	0.6	...	0.6	...	...	...	...	...	...
Beech	33.7	...	2.5	3.6	7.8	3.1	7.5	9.1	...
Sweetgum	278.6	...	62.9	70.0	58.1	37.7	28.8	21.1	...
Tupelo-blackgum	46.5	...	7.9	7.2	7.7	6.2	6.9	10.7	...
Ash	23.7	...	5.8	6.1	4.3	4.4	0.6	2.6	...
Cottonwood-aspen	7.9	...	1.9	1.0	...	...	...	3.7	1.2
Basswood	2.5	...	...	1.3	1.3	...	...	...	...
Yellow-poplar	1.3	...	1.3	...	...	...	...	...	...
Other hardwoods	64.1	...	23.9	13.9	10.9	9.8	3.0	2.7	...
Total hardwoods	1304.4	...	277.1	261.3	223.4	169.9	120.0	209.4	43.2
All species	4249.1	505.2	809.3	826.6	697.0	536.4	328.1	467.3	79.2

[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, Northwest 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	264.5	38.5	50.1	63.6	37.4	36.1	24.3	14.5	...
Shortleaf-loblolly pine	16842.8	2372.2	2747.2	3150.0	2814.0	2336.0	1367.1	1809.5	246.8
Cypress	319.1	11.0	38.3	48.6	66.2	29.4	32.0	65.5	28.1
Other softwoods	14.0	5.9	...	...	...	...	...	8.2	...
Total softwoods	17440.4	2427.5	2835.6	3262.2	2917.7	2401.5	1423.3	1897.7	274.9
Select white oaks	484.1	...	91.7	82.9	97.8	61.6	64.2	66.2	19.6
Select red oaks	424.8	...	40.8	54.2	45.8	76.1	61.3	114.0	32.7
Other white oaks	695.3	...	75.1	109.2	88.1	116.9	57.0	196.0	52.9
Other red oaks	2051.9	...	362.3	364.1	326.2	229.7	173.2	455.8	140.6
Hickory	600.0	...	147.0	118.1	95.3	77.0	41.5	97.4	23.8
Hard maple	9.8	...	2.1	2.5	...	...	...	5.2	...
Soft maple	3.0	...	3.0	...	...	...	...	...	...
Beech	185.7	...	11.6	17.8	40.2	17.3	42.4	56.4	...
Sweetgum	1320.9	...	234.0	306.2	278.0	203.5	168.7	130.4	...
Tupelo-blackgum	234.8	...	29.4	29.7	35.7	32.9	39.3	67.8	...
Ash	121.7	...	26.0	29.7	22.3	24.6	3.2	15.9	...
Cottonwood-aspen	46.3	...	9.2	5.3	...	...	...	23.1	8.6
Basswood	13.0	...	...	6.2	6.8	...	...	...	...
Yellow-poplar	4.7	...	4.7	...	...	...	...	...	...
Other hardwoods	321.8	...	109.2	68.5	57.1	53.8	17.5	15.7	...
Total hardwoods	6517.9	...	1146.1	1194.5	1093.4	893.4	668.2	1244.0	278.2
All species	23958.2	2427.5	3981.7	4456.7	4011.1	3294.9	2091.4	3141.7	553.1

Table 15--Volume of growing stock and sawtimber on timberland by parish and species group, Northwest 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					
Bienville	684.2	165.1	289.0	7.3	88.0	134.7	2673.2	514.1	1458.0	35.2	228.5	437.5
Bossier	632.7	9.2	378.2	3.9	69.3	172.1	2527.7	24.3	1841.8	13.6	169.0	479.1
Caddo	358.1	...	189.9	...	62.9	105.3	1285.2	...	812.8	...	151.1	321.3
Caldwell	314.9	20.8	125.8	...	36.9	131.4	1354.1	86.8	696.5	...	99.2	471.7
Claiborne	621.7	97.8	294.2	2.0	99.5	128.2	2168.8	404.9	1249.7	8.2	180.9	325.2
De Soto	527.0	39.5	324.9	9.0	64.4	89.2	2065.8	150.0	1455.4	42.2	144.1	274.1
Jackson	469.1	39.6	258.0	2.1	44.9	124.5	1884.4	129.3	1269.7	5.6	126.8	353.1
Lincoln	352.4	34.7	192.6	...	49.7	75.3	1364.9	144.3	857.2	...	130.9	232.5
Ouachita	311.5	12.4	129.5	24.3	36.1	109.3	1059.9	8.5	633.8	75.0	43.5	299.0
Red River	153.2	10.6	61.9	...	35.2	45.5	564.0	35.6	276.2	...	82.1	170.2
Union	666.6	117.7	283.3	18.0	94.3	153.3	2522.7	516.9	1232.7	81.2	250.0	441.9
Webster	415.7	3.4	233.3	5.2	58.3	115.6	1549.9	16.8	1152.0	8.5	92.8	279.8
Winn	714.3	92.2	351.5	19.6	82.7	168.2	2937.6	288.8	1851.3	63.6	222.0	512.0
All parishes	6221.5	643.2	3112.0	91.4	822.3	1552.5	23958.2	2320.3	14786.9	333.1	1920.7	4597.2

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

[2] Hardwood species with an average specific 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, Northwest 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	4249.1	419.9	2455.0	69.7	396.8	907.6
Upper-stem portion	540.6	52.8	232.6	15.7	67.0	172.4
Total	4789.7	472.7	2687.6	85.5	463.8	1080.0
Poletimber trees	1431.8	170.5	424.4	6.0	358.5	472.5
All growing-stock trees	6221.5	643.2	3112.0	91.4	822.3	1552.5
Rough trees:						
Sawtimber size	334.5	7.5	30.1	9.4	100.7	186.8
Poletimber size	181.5	9.7	21.2	0.9	45.9	103.8
Total	516.0	17.2	51.3	10.3	146.5	290.6
Rotten trees:						
Sawtimber size	163.9	1.1	4.7	8.5	33.0	116.6
Poletimber size	8.5	...	...	...	5.9	2.7
Total	172.4	1.1	4.7	8.5	38.9	119.2
Salvable dead trees:						
Sawtimber size	63.1	5.8	30.4	1.0	2.1	23.8
Poletimber size	17.4	1.9	10.9	...	1.0	3.7
Total	80.5	7.7	41.3	1.0	3.1	27.5
All classes	6990.4	669.1	3209.3	111.3	1010.8	1989.8

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

[2] Hardwood species with an average specific 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, Northwest 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											
National forest	322.0	47.7	142.2	21.8	24.8	85.5	291.0	46.4	140.0	17.2	20.3	67.0
Other public	321.3	...	98.4	...	43.3	179.7	277.1	...	97.9	...	32.6	146.6
Forest industry	1849.6	280.7	869.6	13.1	209.8	476.5	1685.0	271.9	854.2	13.1	171.2	374.6
Forest industry-leased	116.5	23.4	66.2	1.6	14.5	10.7	109.7	23.4	65.1	1.6	12.0	7.6
Other private	4300.5	309.7	1991.6	73.8	715.3	1210.0	3858.7	301.4	1954.8	59.5	586.2	956.7
All ownerships	6909.8	661.5	3168.0	110.3	1007.7	1962.3	6221.5	643.2	3112.0	91.4	822.3	1552.5

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

[2] Hardwood species with an average specific 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, Northwest 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					
Bienville	45.8	13.6	18.5	0.2	4.2	9.3	193.7	45.2	101.2	1.4	12.8	33.1
Bossier	31.6	1.1	19.0	0.1	3.2	8.2	151.0	5.5	108.5	0.3	9.7	27.0
Caddo	18.6	...	11.4	...	2.6	4.6	76.9	...	52.7	...	7.5	16.7
Caldwell	15.2	1.5	6.8	...	1.7	5.2	78.2	7.6	42.7	...	5.4	22.5
Claiborne	41.1	6.2	20.1	0.2	5.4	9.2	166.6	27.5	96.0	1.1	9.8	32.2
De Soto	25.7	2.0	16.5	-0.1	3.9	3.3	127.1	9.8	92.1	-0.4	9.4	16.2
Jackson	27.5	3.2	14.5	...	1.9	7.8	136.6	17.3	84.2	...	7.8	27.2
Lincoln	20.1	2.5	11.6	...	2.1	4.0	91.9	10.4	58.6	...	6.7	16.2
Ouachita	13.1	1.1	6.8	0.4	1.4	3.3	53.2	1.7	35.8	3.0	2.8	9.9
Red River	8.0	-0.2	3.6	...	1.5	3.2	48.4	4.6	21.9	...	5.1	16.7
Union	33.3	5.9	16.5	0.3	3.6	7.0	141.1	32.3	75.7	1.7	6.6	24.9
Webster	22.0	0.9	12.6	...	2.5	6.0	98.3	4.2	71.1	0.3	4.7	18.1
Winn	31.3	6.4	16.7	-0.1	2.6	5.7	158.0	24.2	100.4	1.4	9.8	22.2
All parishes	333.3	44.2	174.6	1.1	36.6	76.8	1521.0	190.4	940.8	8.8	98.1	282.9

[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, Northwest 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					
Bienville	24.2	6.6	12.8	...	1.6	3.1	96.3	27.7	55.9	...	4.8	8.0
Bossier	8.9	2.2	5.2	...	0.1	1.4	41.6	12.7	25.2	...	0.5	3.2
Caddo	12.2	...	8.2	...	1.4	2.7	45.8	...	35.3	...	2.5	8.0
Caldwell	12.5	2.6	5.1	...	1.1	3.7	48.2	9.4	29.3	...	1.8	7.8
Claiborne	28.2	2.0	19.4	...	2.6	4.2	103.3	4.8	81.1	...	6.1	11.4
De Soto	19.8	2.5	13.5	...	1.5	2.3	88.8	11.2	65.3	...	5.8	6.5
Jackson	27.1	7.9	13.9	...	1.4	3.9	131.7	42.9	73.1	...	6.0	9.6
Lincoln	13.2	2.2	8.8	...	0.8	1.4	43.2	6.2	32.4	...	0.6	4.0
Ouachita	9.8	1.4	3.5	0.8	0.7	3.3	43.7	9.0	20.1	2.6	2.5	9.4
Red River	7.6	2.1	3.2	...	0.1	2.1	32.9	7.9	17.9	...	...	7.2
Union	19.9	2.8	12.5	0.2	1.2	3.2	68.2	6.4	47.6	1.4	4.2	8.5
Webster	17.9	4.8	9.0	...	0.8	3.2	74.4	20.5	39.4	...	2.5	11.9
Winn	45.6	8.1	26.2	...	3.3	8.0	219.8	33.2	142.4	...	16.9	27.3
All parishes	246.9	45.2	141.3	1.1	16.7	42.6	1037.8	191.8	664.9	4.1	54.3	122.7

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

[2] Hardwood species with an average specific 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, Northwest Louisiana, 1984

Species	Growth	Removals
	Million cubic feet	
Yellow pines	218.8	186.5
Other softwoods	1.1	1.1
Total softwoods	219.9	187.6
Select white-red oaks	15.7	8.3
Other white-red oaks	46.9	26.3
Hickory	8.1	3.8
Hard maple	0.1	...
Sweetgum	27.7	12.7
Ash-walnut-black cherry	3.1	1.0
Yellow-poplar	0.1	...
Other hardwoods	11.8	7.1
Total hardwoods	113.4	59.3
All species	333.3	246.9

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

Species	Growth	Removals
	---------- Million board feet ---------	
Yellow pines	1131.1	856.8
Other softwoods	8.8	4.1
Total softwoods	1140.0	860.8
Select white-red oaks	55.6	25.0
Other white-red oaks	177.4	70.0
Hickory	30.7	13.9
Hard maple	0.3	...
Sweetgum	69.9	40.7
Ash-walnut-black cherry	8.0	1.9
Yellow-poplar	0.5	...
Other hardwoods	38.7	25.5
Total hardwoods	381.0	177.0
All species	1521.0	1037.8

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

Species	Growing stock	Sawtimber
	- Million cubic feet --	Million board feet -
Yellow pines	24.5	79.0
Other softwoods	0.2	1.2
Total softwoods	24.7	80.2
Select white-red oaks	1.7	5.4
Other white-red oaks	6.9	22.4
Hickory	1.8	7.8
Sweetgum	3.8	11.6
Ash-walnut-black cherry	0.5	1.4
Other hardwoods	2.8	5.3
Total hardwoods	17.5	53.8
All species	42.2	134.0

Table 23--Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Northwest 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											
National forest	11.6	2.2	5.4	-0.1	0.7	3.3	11.6	2.1	7.8	...	0.6	1.2
Other public	8.8	...	3.7	...	0.4	4.7	4.2	...	3.3	0.8	...	0.1
Forest industry	92.0	21.0	47.1	0.4	5.5	18.1	96.1	24.0	45.9	0.3	6.1	19.8
Forest industry-leased	7.0	2.1	3.8	...	0.6	0.5	4.9	3.6	0.9	...	0.3	0.1
Other private	214.0	18.8	114.6	0.8	29.4	50.3	130.1	15.5	83.4	...	9.8	21.4
All ownerships	333.3	44.2	174.6	1.1	36.6	76.8	246.9	45.2	141.3	1.1	16.7	42.6

[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 24--Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Northwest 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											
National forest	62.3	13.9	35.1	1.3	1.6	10.3	51.4	9.2	38.1	...	2.3	1.8
Other public	49.1	...	25.1	...	2.1	21.9	19.3	...	16.7	2.6	...	...
Forest industry	436.4	79.1	266.5	2.5	17.7	70.6	451.2	117.7	241.7	1.4	27.9	62.4
Forest industry-leased	29.4	7.2	21.3	...	0.6	0.4	17.8	15.0	2.5	...	...	0.3
Other private	943.8	90.1	592.7	5.0	76.1	179.8	498.1	49.9	366.0	...	24.1	58.1
All ownerships	1521.0	190.4	940.8	8.8	98.1	282.9	1037.8	191.8	664.9	4.1	54.3	122.7

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

[2] Hardwood species with an average specific 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, Northwest Louisiana, 1984

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4
	Million board feet				
Yellow pines	17107.2	2224.2	2968.2	11914.8	...
Cypress	319.1	111.4	122.2	85.5	...
Redcedar	5.9	5.9	...	...	...
Other softwoods	8.2	8.2	...	...	...
Total softwoods	17440.4	2349.7	3090.4	12000.3	...
Select white-red oaks	908.9	127.9	222.6	353.7	204.7
Other white-red oaks	2747.2	185.3	513.8	1048.3	999.7
Hickory	600.0	56.3	143.1	273.4	127.1
Hard maple	9.8	...	...	7.8	2.1
Sweetgum	1320.9	217.2	273.6	569.0	261.1
Tupelo and blackgum	234.8	82.9	58.9	73.5	19.4
Ash-walnut-black cherry	134.0	24.7	41.6	60.8	6.9
Yellow-poplar	4.7	...	...	...	4.7
Other hardwoods	557.5	42.9	57.7	248.9	208.0
Total hardwoods	6517.9	737.3	1311.4	2635.4	1833.8
All species	23958.2	3087.0	4401.8	14635.7	1833.8

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

Stand Age Class	Pine		Oak-pine		Other hardwood types	
	Artifical	Natural	Artifical	Natural	Artifical	Natural
	Thousand acres					
1-10	180.3	138.4	73.9	44.4	126.2	101.0
11-20	95.8	28.6	...	22.9	5.3	11.9
21-30	97.5	70.4	5.5	28.8	...	22.6
31-40	50.2	178.3	5.2	40.7	5.5	57.7
41-50	5.5	5.4	...	...	...	...
>50	...	39.7	...	17.7	...	17.0
Mixed	39.6	876.6	6.5	638.4	11.9	1339.9
All classes	468.9	1337.3	91.1	792.7	148.9	1550.2

Table 27--Volume of softwood growing stock on timberland by forest type, Northwest 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							
Bienville	461.4	8.9	...	152.0	200.9	80.7	11.8	7.2
Bossier	391.3	...	...	9.2	276.5	72.3	25.7	7.6
Caddo	189.9	...	...	...	117.7	59.7	8.7	3.8
Caldwell	146.6	...	...	20.8	81.7	28.1	16.0	...
Claiborne	394.0	...	...	90.9	223.2	51.0	27.8	1.1
De Soto	373.4	...	...	37.3	239.8	69.2	14.1	13.0
Jackson	299.7	11.2	...	26.5	189.5	40.5	24.7	7.4
Lincoln	227.4	...	...	32.4	170.2	13.2	11.6	...
Ouachita	166.2	...	...	12.4	98.7	19.9	11.4	23.7
Red River	72.5	...	...	8.6	31.6	24.6	7.7	...
Union	419.0	...	...	114.2	228.1	49.6	9.6	17.5
Webster	241.9	...	...	2.1	155.5	58.6	18.8	6.8
Winn	463.4	...	10.0	91.1	244.6	63.3	31.1	23.2
All parishes	3846.7	20.0	10.0	597.5	2258.0	630.9	219.0	111.3

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

Parish	Total	Forest type group							
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress	Elm-ash-cottonwood
		Planted	Natural	Planted	Natural				
	Million cubic feet								
Bienville	222.7	...	...	2.6	26.2	64.3	68.3	61.4	...
Bossier	241.4	...	...	...	54.0	52.4	61.2	70.6	3.1
Caddo	168.3	...	...	...	22.4	31.6	36.8	69.5	8.1
Caldwell	168.3	...	...	...	9.6	16.0	82.4	60.3	...
Claiborne	227.7	...	...	13.7	41.5	30.0	62.6	80.0	...
De Soto	153.6	...	...	1.1	16.6	48.7	48.5	38.7	...
Jackson	169.3	1.1	...	4.0	16.3	29.1	63.1	55.6	...
Lincoln	125.1	...	...	0.3	32.8	13.2	35.8	43.0	...
Ouachita	145.3	...	...	...	17.2	7.6	47.7	72.9	...
Red River	80.7	...	...	2.6	2.0	19.9	25.2	16.0	15.0
Union	247.6	...	...	5.0	41.5	39.6	30.6	130.8	...
Webster	173.8	...	...	...	27.8	47.2	80.6	18.2	...
Winn	250.9	...	...	1.8	24.4	52.3	106.5	65.9	...
All parishes	2374.8	1.1	...	31.1	332.4	451.8	749.3	782.9	26.2

Table 29--Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Northwest 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							
Bienville	334.4	7.9	...	82.1	161.4	65.7	11.0	6.4
Bossier	314.1	...	...	4.8	220.3	61.3	21.1	6.5
Caddo	138.1	...	...	...	81.7	46.9	6.9	2.6
Caldwell	126.4	...	...	16.1	71.7	24.2	14.5	...
Claiborne	287.0	...	...	65.7	157.0	40.7	22.6	1.0
De Soto	283.9	...	...	25.8	180.5	53.8	11.4	12.3
Jackson	237.0	8.8	...	14.7	152.7	31.9	21.9	7.0
Lincoln	168.8	...	...	23.0	127.7	9.8	8.3	...
Ouachita	123.1	...	...	1.8	76.5	17.2	11.0	16.6
Red River	53.8	...	...	6.2	20.6	20.5	6.4	...
Union	321.3	...	...	90.1	171.6	37.2	6.6	15.9
Webster	193.6	...	...	1.0	121.7	49.9	17.1	3.8
Winn	363.2	...	9.4	50.1	209.7	48.5	28.3	17.3
All parishes	2944.7	16.6	9.4	381.5	1753.1	507.5	187.3	89.3

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

Parish	Total	Forest type group					
		Loblolly-shortleaf pine		Oak-pine	Oak-hickory	Oak-gum cypress	Elm-ash-cottonwood
		Planted	Natural				
	Million cubic feet						
Bienville	128.8	0.9	10.5	37.6	34.3	45.5	...
Bossier	131.4	...	22.0	27.3	32.4	49.1	0.7
Caddo	94.1	...	8.2	20.4	18.7	40.1	6.7
Caldwell	113.3	...	4.5	6.2	56.3	46.4	...
Claiborne	103.8	8.0	10.5	10.4	26.9	48.0	...
De Soto	84.1	1.0	5.6	27.5	23.4	26.6	...
Jackson	94.5	1.7	6.3	17.9	24.9	43.7	...
Lincoln	72.9	...	19.1	7.1	14.4	32.2	...
Ouachita	69.4	...	3.6	3.9	22.5	39.4	...
Red River	49.4	2.0	...	9.6	14.6	12.1	11.2
Union	138.5	2.1	14.9	10.2	15.3	96.0	...
Webster	75.8	...	9.8	19.6	35.7	10.7	...
Winn	148.2	0.7	7.8	30.7	67.0	42.0	...
All parishes	1304.4	16.5	122.9	228.3	386.4	531.7	18.6

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

Parish	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Bienville	759.9	461.4	222.7	18.4	35.1	...	22.3
Bossier	698.8	391.3	241.4	2.2	50.4	1.4	12.0
Caddo	412.6	189.9	168.3	1.1	43.4	...	10.0
Caldwell	358.6	146.6	168.3	3.9	34.6	0.3	4.9
Claiborne	673.9	394.0	227.7	4.4	29.5	...	18.3
De Soto	605.2	373.4	153.6	10.8	48.4	2.6	16.4
Jackson	509.4	299.7	169.3	2.8	28.1	...	9.4
Lincoln	377.2	227.4	125.1	4.9	17.3	0.8	1.8
Ouachita	358.1	166.2	145.3	3.9	28.5	...	14.1
Red River	185.1	72.5	80.7	3.2	19.9	...	8.8
Union	723.6	419.0	247.6	7.6	31.9	0.9	16.6
Webster	449.7	241.9	173.8	7.9	21.8	0.4	3.9
Winn	797.7	463.4	250.9	7.6	48.2	7.8	19.8
All parishes	6909.8	3846.7	2374.8	78.8	437.1	14.3	158.1

Table 32--Number of live trees on timberland by detailed species and diameter class, Northwest 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	654	...	...	205	...	...	49	116	85	95	78	28	...
Slash pine	3203	508	547	704	92	611	364	288	62	26	...	...	...
Shortleaf pine	133519	44900	24140	21604	14453	12772	7734	4647	1872	1054	153	191	...
Loblolly pine	653896	276450	148356	85977	49415	36015	21368	15740	9986	5543	2662	2215	169
Redcedar	8078	6798	541	397	260	70	...	...	...	...	...	11	...
Cypress	6706	1133	1087	372	783	1183	594	558	442	154	147	195	58
Total softwoods	806056	329789	174671	109259	65003	50652	30109	21347	12447	6872	3039	2639	227
Select white oaks	85072	53169	13798	7780	3545	2325	1851	860	701	400	314	295	34
Select red oaks	33294	19323	5130	4234	643	972	745	707	336	498	281	324	101
Other white oaks	67734	31907	15148	5940	4567	3342	1939	1631	1169	861	393	762	74
Other red oaks	269281	170130	35601	18740	15534	10392	6918	4443	2738	1550	1042	1790	404
Sweet pecan	850	480	...	...	263	...	...	...	32	...	19	49	7
Water hickory	23914	15262	4715	1379	368	567	453	700	150	124	61	136	...
Other hickories	72260	47288	9843	6158	3083	2344	1897	709	456	218	93	128	44
Persimmon	21642	17461	2284	1305	516	76	...	...	...	...	...	...	...
Hard maple	5484	3834	1158	312	...	...	108	38	...	...	...	34	...
Soft maple	169504	137999	22998	4621	2805	718	221	116	...	24	...	...	...
Boxelder	1533	1021	...	400	...	74	...	38	...	...	...	...	...
Beech	9595	4170	1680	953	468	467	293	414	391	149	224	343	43
Sweetgum	534112	356525	98017	38077	19653	9271	5255	3567	1955	901	548	321	21
Blackgum	124541	95732	16813	6148	2575	1254	658	437	383	215	79	232	14
Other gums/tupelos	5461	2652	508	1021	321	426	115	158	127	48	39	46	...
White ash	11995	7175	2272	1613	256	...	362	217	25	23	20	23	8
Other ashes	39136	25382	7287	3197	1833	800	114	201	117	129	21	56	...
Sycamore	474	...	...	352	...	...	46	...	55	...	20	...	...
Cottonwood	1027	...	...	200	487	156	89	33	...	...	...	40	20
Basswood	2578	1041	540	856	...	...	52	43	28	...	...	...	18
Yellow-poplar	118	...	...	...	...	...	118	...	...	...	...	...	...
Magnolia	137	...	...	...	114	...	...	...	...	...	...	22	...
Sweetbay	12329	8815	961	981	654	489	174	157	36	46	...	17	...
Willow	3076	1530	508	583	...	68	239	37	26	43	19	25	...
Black walnut	317	...	...	304	...	...	...	...	...	...	...	14	...
Black cherry	25579	20855	2779	1008	398	269	180	36	55	...	...	...	...
American elm	12607	7784	1035	1554	1126	240	338	243	120	112	...	43	13
Other elms	136796	112898	15126	4479	2512	538	463	522	131	50	21	54	...
River birch	727	508	...	...	...	195	...	...	...	23	...	...	...
Hackberry	12340	4059	4037	2091	1231	334	209	67	194	118	...	...	...
Black locust	977	...	...	753	224	...	...	...	...	...	...	...	...
Other locusts	2674	961	586	547	137	158	151	113	...	...	20	...	...
Sassafras	20792	15665	3798	795	283	252	...	...	...	...	...	...	...
Dogwood	68578	49559	16694	2326	...	...	...	...	...	...	...	...	...
Holly	28500	21865	3665	2617	115	93	145	...	...	...	...	...	...
Other commercial	11860	7568	2777	901	383	230	...	...	...	...	...	...	...
Total hardwoods	1816895	1242618	289758	122226	64096	36054	23133	15485	9223	5533	3213	4754	801
Noncommercial	332390	278495	40717	9044	3022	654	250	77	62	25	...	43	...
All species	2955340	1850903	505146	240528	132121	87361	53492	36910	21733	12430	6252	7437	1027

Table 33--Number of growing stock-stock trees on timberland by detailed species and diameter class, Northwest 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	450	...	...	...	49	116	85	95	78	28	...
Slash pine	1928	484	92	611	364	288	62	26	...	...	...
Shortleaf pine	61567	19513	13971	12674	7616	4524	1872	1054	153	191	...
Loblolly pine	216444	77957	47059	34835	21039	15278	9831	5497	2644	2136	169
Redcedar	739	397	260	70	...	...	...	...	...	11	...
Cypress	3628	372	670	662	594	521	409	128	104	140	27
Total softwoods	284756	98723	62053	48853	29661	20726	12260	6799	2979	2506	196
Select white oaks	15924	6878	3183	2005	1626	787	639	328	259	202	16
Select red oaks	7280	3498	643	812	629	578	247	359	219	260	36
Other white oaks	16480	4962	3394	2876	1669	1370	795	632	250	476	56
Other red oaks	53351	15065	13337	9653	6275	3834	2274	1146	669	952	145
Sweet pecan	158	...	107	...	...	...	...	...	19	25	7
Water hickory	2084	404	166	421	288	446	124	75	39	121	...
Other hickories	12109	4615	2552	2034	1622	508	394	218	74	77	15
Persimmon	851	504	271	76	...	...	...	...	...	...	...
Hard maple	112	...	...	...	56	38	...	...	...	17	...
Soft maple	4352	2744	1215	329	64	...	...	...	...	...	...
Beech	1786	404	217	159	235	218	214	96	124	120	...
Sweetgum	67678	31480	17647	8662	4300	2804	1477	697	397	214	...
Blackgum	7745	3898	1680	1025	491	214	192	69	79	98	...
Other gums/tupelos	1253	180	161	426	115	158	95	48	39	31	...
White ash	1293	527	256	...	302	130	25	23	20	10	...
Other ashes	4066	1919	1331	413	114	112	87	74	...	17	...
Sycamore	474	352	...	...	46	...	55	...	20	...	...
Cottonwood	741	200	221	156	89	33	...	...	...	31	10
Basswood	478	407	...	...	...	43	28	...	...	...	...
Yellow-poplar	59	...	...	...	59	...	...	...	...	...	...
Magnolia	127	...	114	...	...	...	...	...	...	13	...
Sweetbay	1635	585	515	203	174	77	36	46	...	...	...
Willow	569	271	...	...	239	37	...	23	...	...	...
Black cherry	1080	267	398	269	118	...	28	...	...	...	...
American elm	2536	1005	757	90	338	210	30	89	...	17	...
Other elms	7531	3929	2390	319	410	313	131	...	21	18	...
River birch	219	...	...	195	...	...	...	23	...	...	...
Hackberry	1788	760	470	262	106	34	88	68	...	...	...
Black locust	868	753	115	...	...	...	...	...	...	...	...
Other locusts	456	175	...	75	151	35	...	...	20	...	...
Sassafras	866	795	...	72	...	...	...	...	...	...	...
Dogwood	256	256	...	...	...	...	...	...	...	...	...
Holly	1818	1725	...	93	...	...	...	...	...	...	...
Other commercial	764	598	...	166	...	...	...	...	...	...	...
Total hardwoods	218787	89157	51138	30790	19515	11980	6961	4013	2249	2700	285
All species	503543	187880	113190	79644	49176	32706	19221	10813	5228	5205	481

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

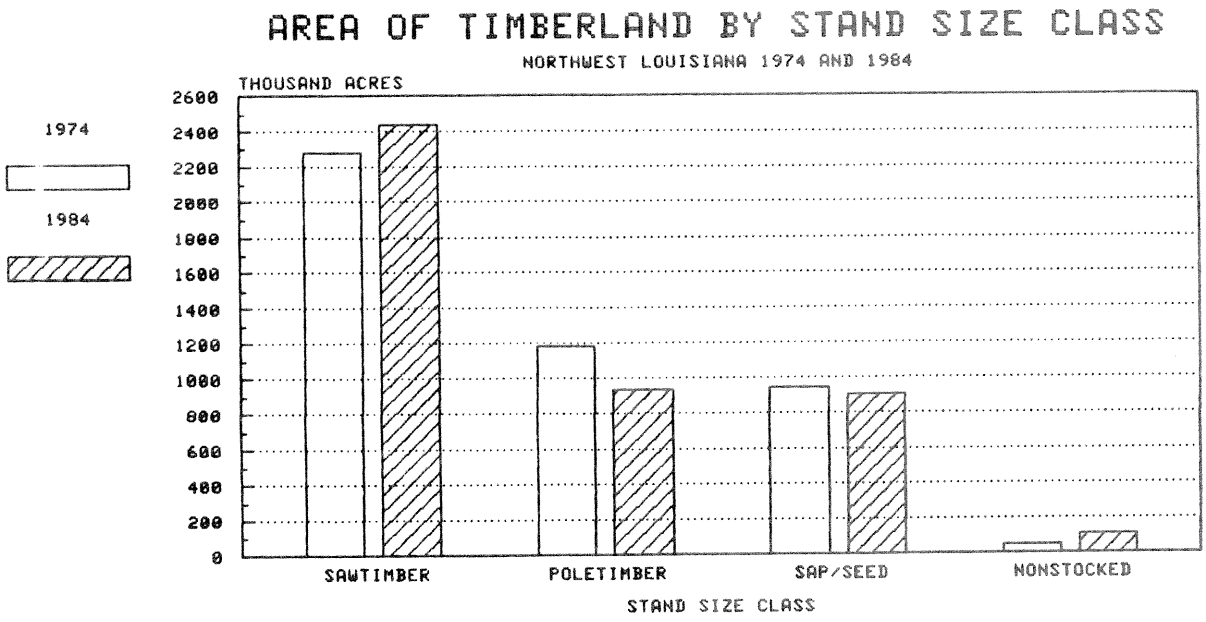
Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million cubic feet										
Longleaf pine	21.2	...	...	...	1.6	3.5	4.1	5.2	4.4	2.3	...
Slash pine	35.1	1.7	0.7	9.3	9.4	9.7	3.0	1.3	...	...	...
Shortleaf pine	782.3	49.2	97.9	160.7	164.1	137.9	82.6	60.0	10.8	19.3	...
Loblolly pine	2916.7	167.3	278.1	422.7	419.7	461.3	404.9	313.3	193.1	225.0	31.4
Redcedar	3.9	0.6	0.7	1.2	...	...	...	...	...	1.3	...
Cypress	87.5	1.0	3.6	9.7	12.4	13.7	16.6	6.7	6.8	12.4	4.7
Total softwoods	3846.7	219.9	380.9	603.6	607.2	626.0	511.1	386.5	215.1	260.4	36.0
Select white oaks	174.1	16.1	17.2	21.6	28.8	22.8	23.9	14.2	13.4	12.8	3.2
Select red oaks	116.8	7.1	3.1	8.8	12.3	15.3	11.5	17.6	13.5	22.2	5.6
Other white oaks	214.6	8.2	19.5	28.0	23.4	30.1	21.8	26.5	12.1	37.0	8.2
Other red oaks	722.5	34.3	83.2	112.0	113.6	100.0	81.2	52.7	36.9	85.8	22.7
Sweet pecan	4.9	...	0.6	...	...	...	...	...	0.8	2.2	1.3
Water hickory	39.3	1.2	0.9	3.8	4.4	12.4	3.9	3.7	2.0	6.9	...
Other hickories	146.5	9.5	15.1	23.3	33.9	16.1	17.6	12.8	5.6	9.7	2.8
Persimmon	3.8	1.4	1.2	1.2	...	...	...	...	...	...	...
Hard maple	2.2	...	...	...	0.5	0.6	...	...	...	1.0	...
Soft maple	18.6	6.6	7.7	3.5	0.8	...	...	...	...	...	...
Beech	42.9	1.1	1.3	1.7	3.1	4.2	9.2	3.7	8.7	9.9	...
Sweetgum	591.2	58.7	103.3	102.4	87.1	86.9	64.1	38.8	28.8	21.1	...
Blackgum	63.9	7.1	8.1	10.9	8.5	4.8	5.8	5.0	5.1	8.8	...
Other gums/tupelos	19.8	0.3	0.8	4.6	2.2	3.8	2.8	1.5	1.9	1.9	...
White ash	14.4	0.9	1.8	...	5.5	3.0	0.6	1.2	0.7	0.9	...
Other ashes	36.2	5.3	9.8	4.9	1.6	4.2	4.5	4.1	...	2.0	...
Sycamore	6.7	1.4	...	...	1.3	...	2.9	...	1.2	...	...
Cottonwood	12.5	0.4	1.2	1.6	2.4	1.3	...	...	...	4.2	1.4
Basswood	4.4	1.3	...	...	...	1.6	1.5	...	...	...	...
Yellow-poplar	1.8	...	...	...	1.8	...	...	...	...	...	...
Magnolia	2.1	...	0.8	...	...	...	...	...	...	1.4	...
Sweetbay	18.9	2.1	3.1	3.0	4.2	2.6	1.5	2.3	...	...	...
Willow	8.4	0.4	...	...	5.7	1.6	...	0.7	...	...	...
Black cherry	8.5	0.4	2.3	2.7	2.1	...	1.0	...	...	...	...
American elm	22.6	1.9	4.4	0.7	4.8	4.7	0.7	4.8	...	0.7	...
Other elms	42.5	8.1	13.4	3.1	6.2	5.7	3.9	...	1.0	1.0	...
River birch	3.1	...	...	1.9	...	...	...	1.3	...	...	...
Hackberry	13.7	1.8	1.5	2.7	1.9	0.8	2.8	2.2	...	...	...
Black locust	2.7	2.0	0.7	...	...	...	...	...	...	...	...
Other locusts	5.9	0.4	...	0.7	2.7	0.7	...	...	1.4	...	...
Sassafras	2.1	0.9	...	1.2	...	...	...	...	...	...	...
Dogwood	0.3	0.3	...	...	...	...	...	...	...	...	...
Holly	3.8	3.2	...	0.6	...	...	...	...	...	...	...
Other commercial	2.9	1.5	...	1.4	...	...	...	...	...	...	...
Total hardwoods	2374.8	184.0	300.8	346.2	358.8	323.1	261.2	193.0	133.0	229.6	45.2
All species	6221.5	403.9	681.7	949.7	965.9	949.1	772.3	579.5	348.1	490.0	81.2

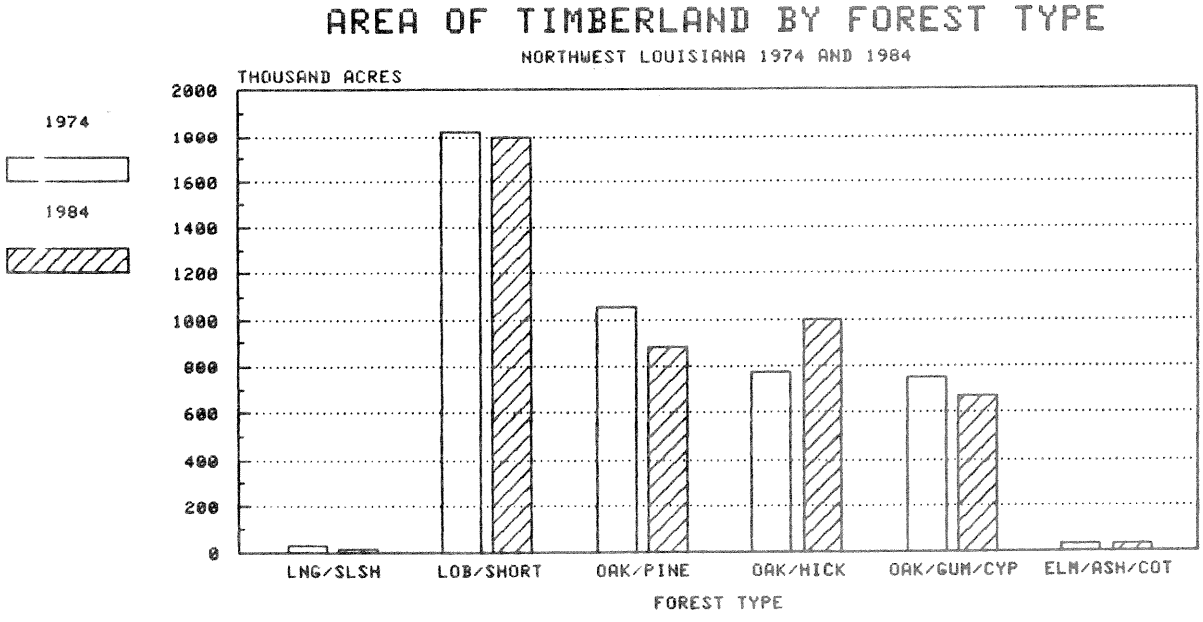
Table 35--Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Northwest Louisiana, 1984

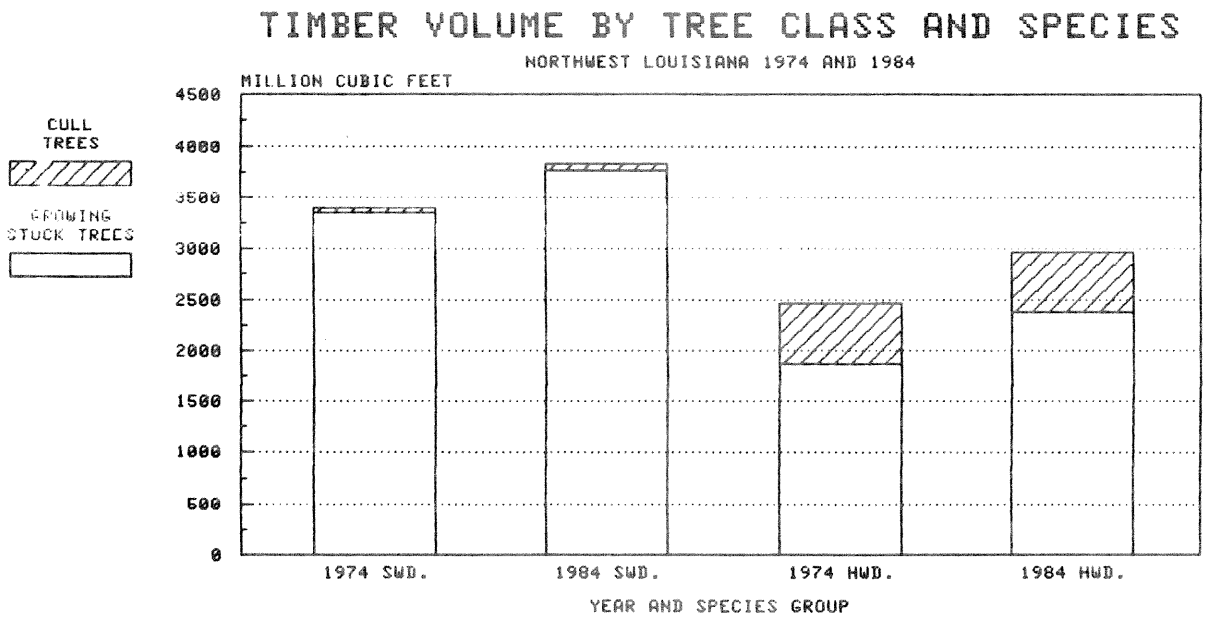
Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
	Million cubic feet								
Longleaf pine	19.7	...	1.4	3.1	3.8	4.9	4.2	2.3	...
Slash pine	28.8	7.9	8.3	8.6	2.7	1.2	...	...	...
Shortleaf pine	567.8	136.0	143.9	124.4	76.9	56.8	10.6	19.2	...
Loblolly pine	2258.7	357.8	369.0	417.4	375.5	297.6	187.0	223.1	31.4
Redcedar	2.4	1.1	...	...	...	...	...	1.3	...
Cypress	67.3	2.4	9.7	11.6	14.6	6.0	6.3	12.0	4.7
Total softwoods	2944.7	505.2	532.2	565.3	473.6	366.5	208.1	257.9	36.0
Select white oaks	98.3	...	22.0	18.1	19.8	12.2	11.7	11.4	3.1
Select red oaks	82.5	...	9.5	12.0	9.4	14.9	11.5	19.6	5.5
Other white oaks	134.9	...	18.4	23.9	18.1	22.7	10.4	33.3	8.0
Other red oaks	412.2	...	88.4	79.8	67.7	44.6	32.2	77.7	21.7
Sweet pecan	4.0	...	...	...	...	...	0.7	2.2	1.1
Water hickory	28.8	...	3.7	10.6	3.5	3.3	1.8	6.0	...
Other hickories	82.9	...	27.8	13.4	14.9	11.0	4.8	8.4	2.6
Hard maple	1.8	...	0.4	0.5	...	...	...	0.9	...
Soft maple	0.6	...	0.6	...	...	...	...	...	...
Beech	33.7	...	2.5	3.6	7.8	3.1	7.5	9.1	...
Sweetgum	278.6	...	62.9	70.0	58.1	37.7	28.8	21.1	...
Blackgum	34.1	...	6.2	4.0	5.2	4.8	5.1	8.8	...
Other gums/tupelos	12.5	...	1.7	3.2	2.5	1.4	1.8	1.9	...
White ash	10.0	...	4.6	2.6	0.5	1.0	0.6	0.9	...
Other ashes	13.7	...	1.3	3.5	3.8	3.4	...	1.7	...
Sycamore	4.4	...	1.0	...	2.4	...	1.0	...	...
Cottonwood	7.9	...	1.9	1.0	...	...	...	3.7	1.2
Basswood	2.5	...	...	1.3	1.3	...	...	...	...
Yellow-poplar	1.3	...	1.3	...	...	...	...	...	...
Magnolia	1.1	...	...	...	...	...	...	1.1	...
Sweetbay	8.9	...	3.5	2.2	1.3	1.9	...	...	...
Willow	6.8	...	4.8	1.3	...	0.7	...	...	...
Black cherry	2.6	...	1.8	...	0.8	...	...	...	...
American elm	13.3	...	3.9	4.1	0.7	4.1	...	0.6	...
Other elms	15.2	...	5.1	5.0	3.3	...	0.8	0.9	...
River birch	1.1	...	...	...	...	1.1	...	...	...
Hackberry	6.6	...	1.5	0.7	2.4	1.9	...	...	...
Other locusts	4.0	...	2.2	0.6	...	...	1.2	...	...
Total hardwoods	1304.4	...	277.1	261.3	223.4	169.9	120.0	209.4	43.2
All species	4249.1	505.2	809.3	826.6	697.0	536.4	328.1	467.3	79.2

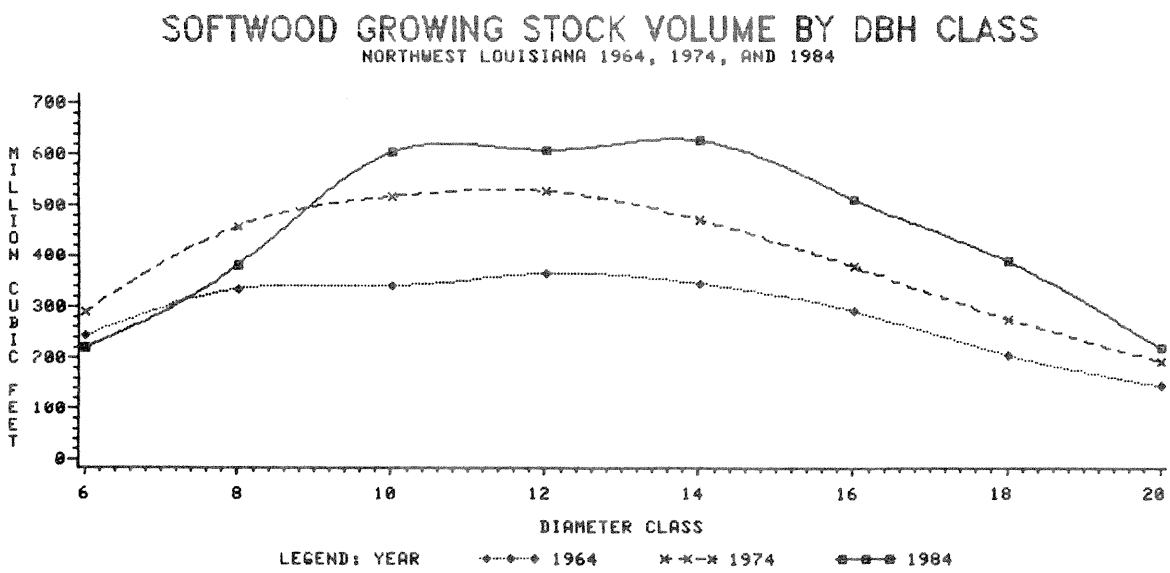
Table 36--Volume of timber on timberland by species and class of timber, Northwest Louisiana, 1984

Species	All live	Growing stock	Rough	Rotten
	Million cubic feet			
Longleaf pine	21.6	21.2	0.4	...
Slash pine	35.2	35.1	0.2	...
Shortleaf pine	794.5	782.3	11.9	0.3
Loblolly pine	2978.1	2916.7	56.0	5.4
Redcedar	3.9	3.9	...	...
Cypress	106.4	87.5	10.3	8.5
Total softwoods	3939.8	3846.7	78.8	14.3
Select white oaks	198.9	174.1	18.0	6.8
Select red oaks	142.4	116.8	16.8	8.7
Other white oaks	259.3	214.6	25.8	18.9
Other red oaks	886.4	722.5	113.4	50.5
Sweet pecan	7.4	4.9	2.5	...
Water hickory	54.1	39.3	14.0	0.7
Other hickories	169.2	146.5	15.6	7.1
Persimmon	6.2	3.8	2.3	...
Hard maple	3.8	2.2	1.6	...
Soft maple	32.8	18.6	10.8	3.4
Boxelder	2.4	...	1.7	0.7
Beech	79.2	42.9	18.2	18.2
Sweetgum	685.8	591.2	73.4	21.3
Blackgum	94.6	63.9	20.7	9.9
Other gums/tupelos	22.0	19.8	2.0	0.2
White ash	20.0	14.4	4.4	1.2
Other ashes	49.5	36.2	11.1	2.2
Sycamore	6.7	6.7	...	...
Cottonwood	15.5	12.5	2.4	0.6
Basswood	10.0	4.4	4.8	0.8
Yellow-poplar	2.6	1.8	0.8	...
Magnolia	2.8	2.1	...	0.7
Sweetbay	25.0	18.9	4.0	2.1
Willow	13.5	8.4	3.8	1.2
Black walnut	0.3	...	0.3	0.1
Black cherry	11.3	8.5	2.8	...
American elm	33.8	22.6	10.3	0.8
Other elms	52.7	42.5	9.7	0.5
River birch	3.1	3.1	...	...
Hackberry	23.2	13.7	9.4	0.1
Black locust	3.3	2.7	0.6	...
Other locusts	8.6	5.9	2.3	0.4
Sassafras	2.8	2.1	0.6	...
Dogwood	2.3	0.3	1.9	0.1
Holly	6.7	3.8	2.0	1.0
Other commercial	4.1	2.9	1.1	...
Total hardwoods	2942.3	2374.8	409.4	158.1
Noncommercial	27.7	...	27.7	...
All species	6909.8	6221.5	516.0	172.4


AREA OF TIMBERLAND BY STAND SIZE CLASS
NORTHWEST LOUISIANA 1974 AND 1984
THOUSAND ACRES
1974
1984
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
SAWTIMBER
POLETIMBER
SAP/SEED
NONSTOCKED
STAND SIZE CLASS

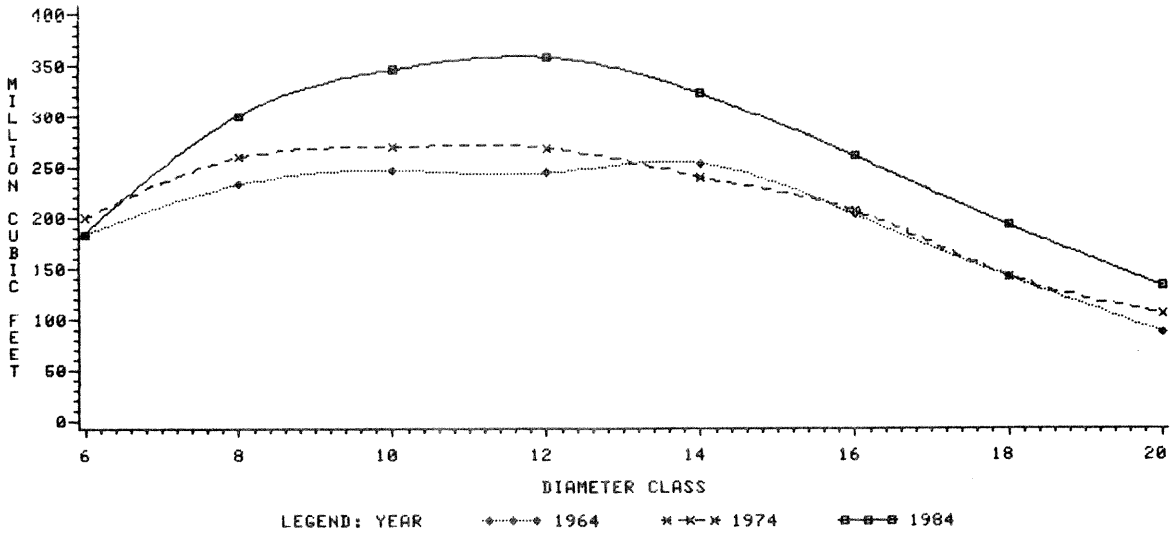

AREA OF TIMBERLAND BY FOREST TYPE
NORTHWEST LOUISIANA 1974 AND 1984
THOUSAND ACRES
1974
1984
2000
1800
1600
1400
1200
1000
800
600
400
200
0
LNG/SLSH
LOB/SHORT
OAK/PINE
OAK/HICK
OAK/GUM/CYP
ELM/ASH/COT
FOREST TYPE


TIMBER VOLUME BY TREE CLASS AND SPECIES
NORTHWEST LOUISIANA 1974 AND 1984
MILLION CUBIC FEET
CULL TREES
GROWING STOCK TREES
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1974 SWD.
1984 SWD.
1974 HWD.
1984 HWD.
YEAR AND SPECIES GROUP


SOFTWOOD GROWING STOCK VOLUME BY DBH CLASS
NORTHWEST LOUISIANA 1964, 1974, AND 1984
MILLION CUBIC FEET
700
600
500
400
300
200
100
0
6
8
10
12
14
16
18
20
DIAMETER CLASS
LEGEND: YEAR
1964
1974
1984

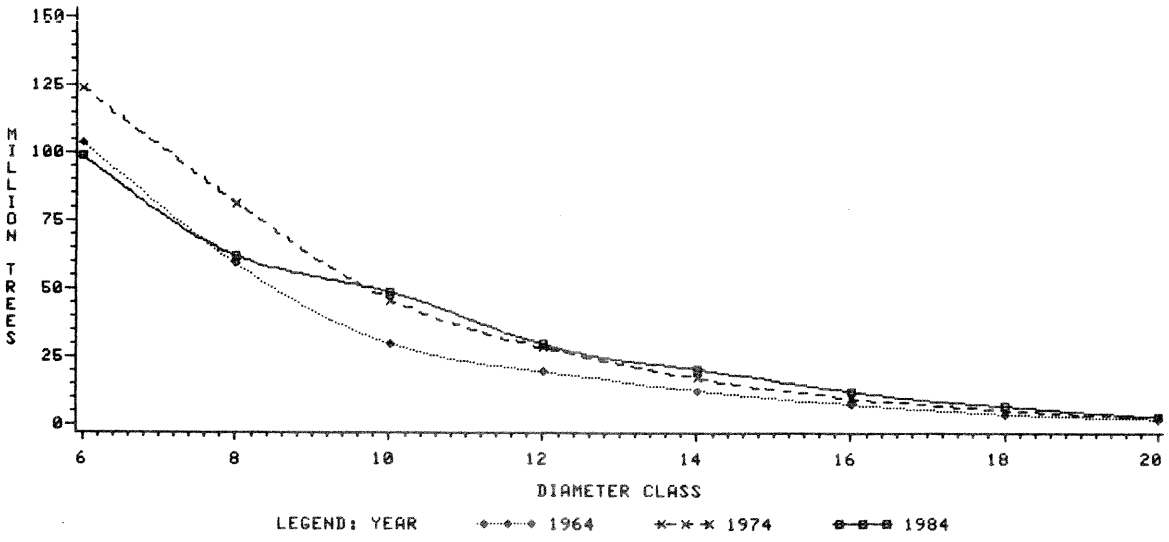
HARDWOOD GROWING STOCK VOLUME BY DBH CLASS

NORTHWEST LOUISIANA 1964, 1974, AND 1984



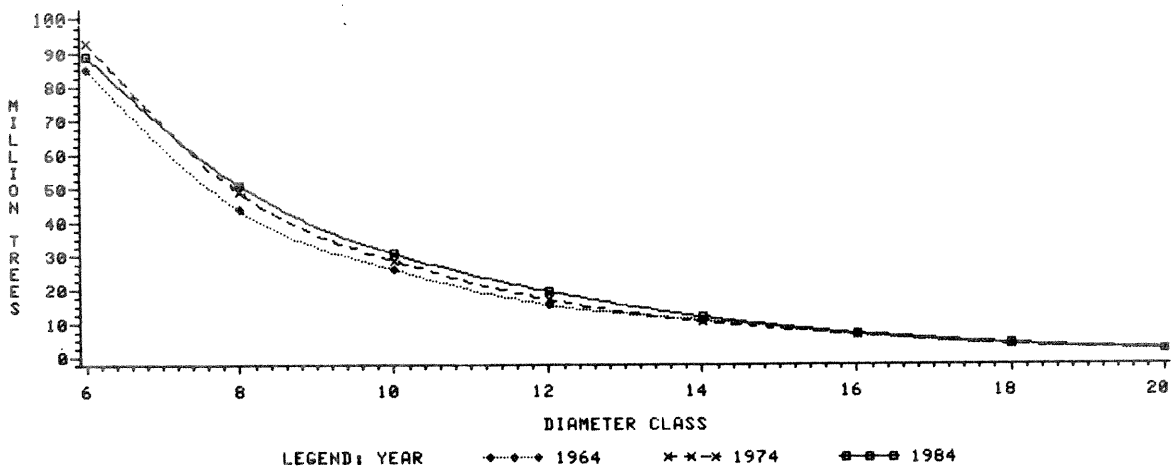
NUMBER OF SOFTWOOD GROWING STOCK TREES BY DBH CLASS

NORTHWEST LOUISIANA 1964, 1974, AND 1984



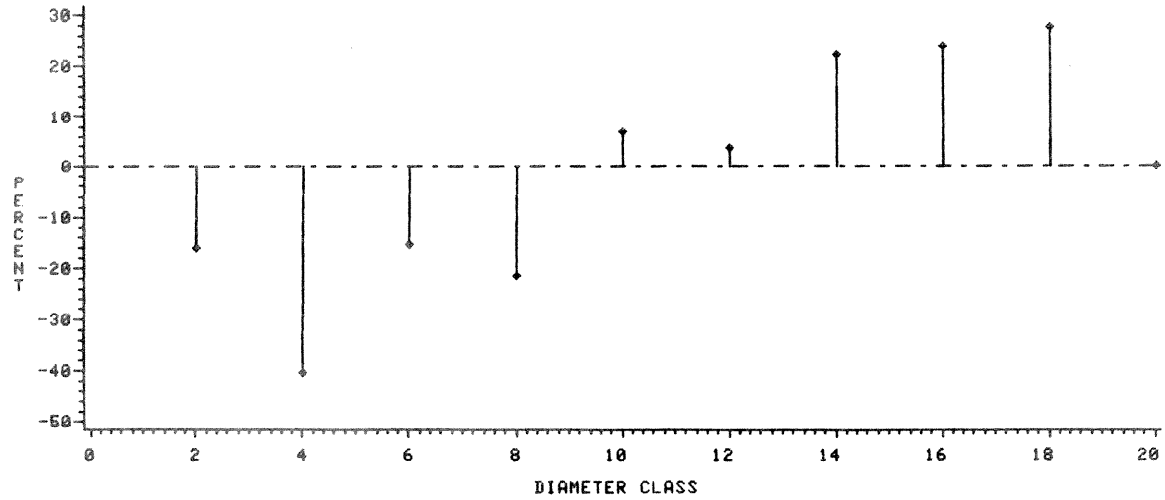
NUMBER OF HARDWOOD GROWING STOCK TREES BY DBH CLASS

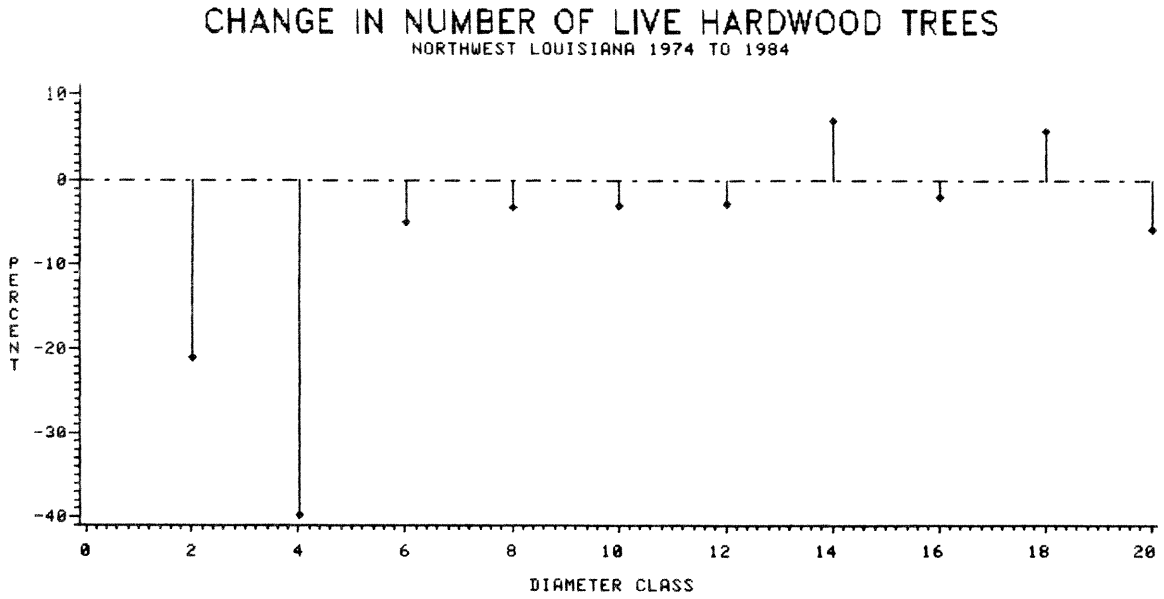
NORTHWEST LOUISIANA 1964, 1974, AND 1984

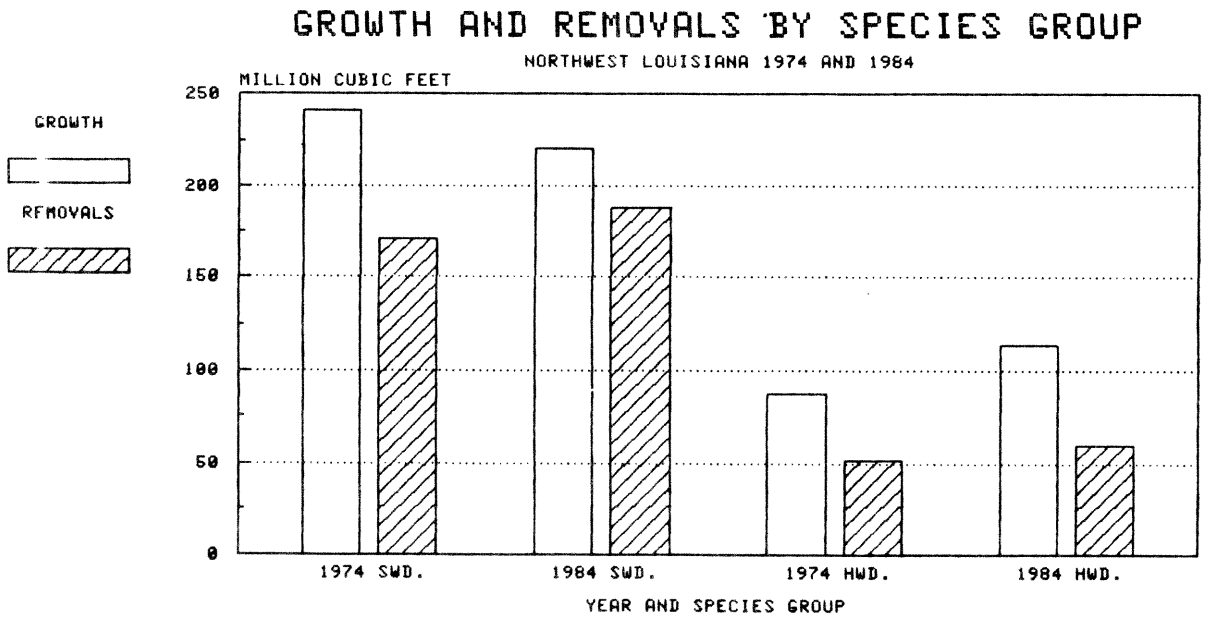


CHANGE IN NUMBER OF LIVE SOFTWOOD TREES

NORTHWEST LOUISIANA 1974 TO 1984




CHANGE IN NUMBER OF LIVE HARDWOOD TREES
NORTHWEST LOUISIANA 1974 TO 1984
PERCENT
10
0
-10
-20
-30
-40
0
2
4
6
8
10
12
14
16
18
20
DIAMETER CLASS


GROWTH AND REMOVALS BY SPECIES GROUP
NORTHWEST LOUISIANA 1974 AND 1984
MILLION CUBIC FEET
GROWTH
REMOVALS
250
200
150
100
50
0
1974 SWD.
1984 SWD.
1974 HWD.
1984 HWD.
YEAR AND SPECIES GROUP

Rosson, Jr., James F. and Daniel F. Bertelson. Forest Statistics for Northwest Louisiana parishes. Resourc. Bull. SO-102. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1985. 31 p.

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

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

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