U. S. Department of Agriculture
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Forest Statistics
for
Southwest Louisiana Parishes

Arnold Hedlund
and
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Southern Forest Experiment Station
New Orleans, Louisiana
Forest Service, U. S. Department of Agriculture

1974

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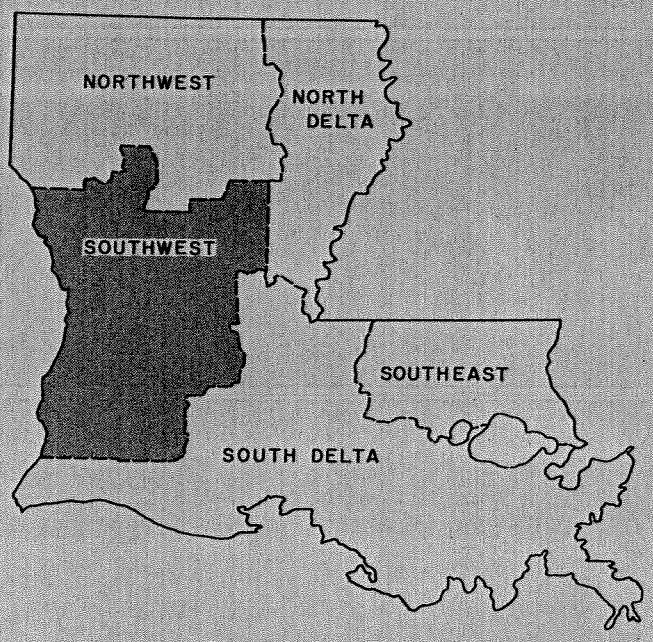
VOLUME IN—	
—cords	8
—cubic feet	9,12,13,16,17,21,22,24,25
—board feet	10,11,14,15,18,19,23-25



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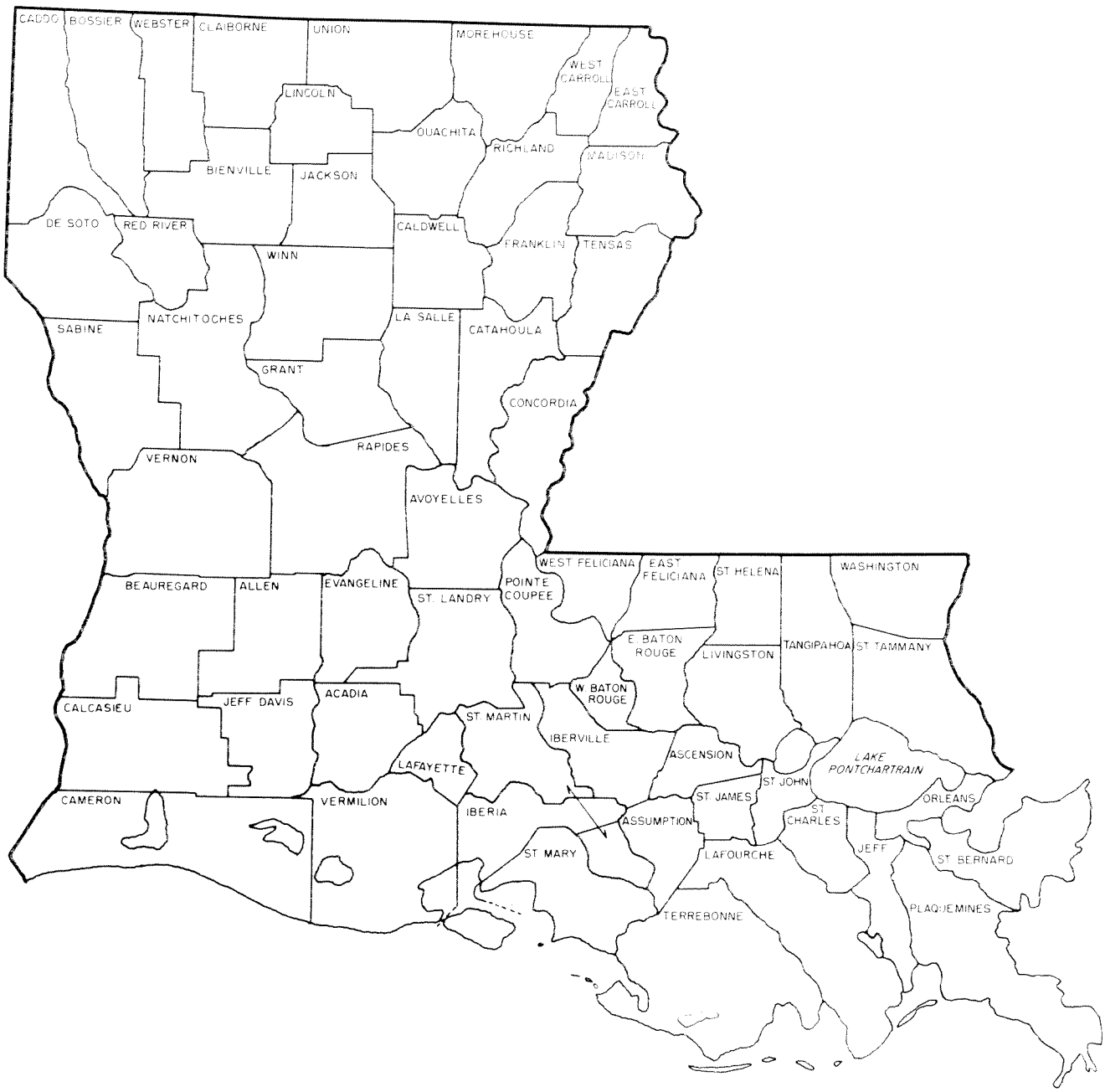
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DE SOTO
RED RIVER
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RAPIDES
VERNON
AVOYELLES
WEST FELICIANA
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ST HELENA
WASHINGTON
BEAUREGARD
ALLEN
EVANGELINE
ST. LANDRY
POINTE COUPEE
E. BATON ROUGE
LIVINGSTON
TANGIPAHOA
ST TAMMANY
W. BATON ROUGE
CALCASIEU
JEFF DAVIS
ACADIA
ST. MARTIN
IBERVILLE
ASCENSION
LAKE PONTCHARTRAIN
LAFAYETTE
ST JOHN
ST JAMES
ORLEANS
CAMERON
VERMILION
IBERIA
ASSUMPTION
ST CHARLES
JEFF
ST BERNARD
ST MARY
LAFOURCHE
PLAQUEMINES
TERREBONNE

This report tabulates information from a new forest inventory of parishes in southwestern Louisiana. The tables are intended for use as source data in compiling estimates for groups of parishes. Because the sampling procedure is designed primarily to furnish inventory data for the State as a whole, estimates for individual parishes have limited and variable accuracy.

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 forested location, 10 small plots were uniformly distributed on an area of about 1 acre.

The sampling errors to which the parish area and volume totals are liable (on a probability of two chances out of three) are shown in table 1.

Table 1. *Sampling errors*[1] *for forest land and timber volume, 1974*

Parish	Commercial forest land	Growing stock	Sawtimber
	– – – *Percent* – – –		
Allen	2	10	15
Beauregard	1	8	13
Calcasieu	1	16	19
Evangeline	2	12	17
Grant	2	8	11
Jefferson Davis	1	21	24
La Salle	2	9	12
Natchitoches	1	6	9
Rapides	2	9	11
Sabine	2	7	10
Vernon	1	7	9
All parishes	0.5	2.7	3.7

[1] By random sampling formula.

An approximation of sampling errors for groups of parishes may be obtained by using the formula:

$$e = \frac{(SE)\sqrt{\text{specified volume or area}}}{\sqrt{\text{volume or area total in question}}}$$

Where: e = Estimated sampling error of the volume or area total in question

SE = Specified sampling error for the State.

The error decreases when data for two or more parishes are grouped. Conversely, as data for individual parishes are broken down by various subdivisions, the possibility of error increases and is greatest for the smallest items. Sampling errors associated with the estimates of the principal timber species in this report are shown in table 2.

Because of differences in standards of tree measurement, direct comparisons cannot be made between the estimates in this report and

Table 2. *Sampling errors for timber volume by species, 1974*

Species	Growing stock	Sawtimber
	– *Percent* –	
Softwood:		
Longleaf pine	11	13
Slash pine	14	24
Shortleaf pine	10	11
Loblolly pine	5	6
Other softwoods	29	20
All softwoods	3.3	4.3
Hardwood:		
Select white oaks	10	12
Select red oaks	17	20
Other white oaks	11	13
Other red oaks	6	8
Pecan	27	37
Other hickories	12	15
Persimmon	47	(1)
Soft maple	17	39
Beech	18	18
Sweetgum	8	10
Blackgum	22	13
Other gums	42	50
White ash	23	27
Other ashes	21	25
Basswood	41	(1)
Magnolia	37	37
Sweetbay	34	43
Black cherry	40	(1)
American elm	38	41
Other elms	18	24
Sugarberry	49	36
Locust	42	(1)
Sassafras	46	. . .
Dogwood	47	. . .
Holly	37	47
Other hardwoods	46	(1)
All hardwoods	4.7	7.1
All species	2.7	3.7

[1] Exceeds 50 percent.

those from the survey of 1964. In table 3, changes between the two surveys are summarized in terms of current measurement standards.

Table 3. *Change* [1] *in forest resource since 1964*

Item	Change
	Percent
Commercial forest land	−5.9
Growing-stock volume:	
Softwood	+ 40
Hardwood	+ 1
All species	+ 24
Sawtimber volume:	
Softwood	+ 33
Hardwood	(2)
All species	+ 22

[1] Based on current measurement standards.

[2] Negligible.

Data for other parishes of Louisiana will be published as field work progresses. A Statewide interpretive report will be issued when all parishes have been inventoried; it will include an evaluation of timber trends since 1964.

DEFINITIONS OF TERMS

Acceptable trees.—Growing-stock trees of commercial species that meet specified standards of size and quality but do not qualify as desirable trees.

Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.

Desirable trees.—Growing-stock trees that are of commercial species, have no defects in quality for timber products, are of relatively high vigor, and contain no pathogens that may result in death or serious deterioration before rotation age.

Forest type.—A classification of forest land based upon the species forming a plurality of live-tree stocking.

Growing-stock trees.—Live trees that are of commercial species and qualify as desirable or acceptable trees.

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.

Physiographic site.—A classification of forest land according to its suitability for growing certain species groups—pines, upland hardwoods, or bottomland hardwoods.

Poletimber trees.—Growing-stock trees of commercial species at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

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 ¼-inch rule.

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 seedlings and saplings.

Table 4. *Commercial forest land by ownership class, 1974*

Parish	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
			Thousand acres			
Allen	346.5	...	0.3	99.0	17.1	230.1
Beauregard	614.8	...	1.8	197.2	48.0	367.8
Calcasieu	192.5	...	9.6	60.5	11.4	111.0
Evangeline	200.6	...	4.2	41.3	42.7	112.4
Grant	356.4	138.4	2.8	85.8	6.8	122.6
Jefferson Davis	68.2	...	.1	...	12.8	55.3
La Salle	357.5	...	51.2	253.0	17.1	36.2
Natchitoches	599.2	126.5	8.2	112.0	57.9	294.6
Rapides	576.8	100.8	19.6	50.4	75.2	330.8
Sabine	477.9	...	10.8	259.6	60.9	146.6
Vernon	748.0	74.2	55.8	231.0	22.7	364.3
All parishes	4,538.4	439.9	164.4	1,389.8	372.6	2,171.7

Table 5. *Commercial forest land by forest type, 1974*

Parish	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Thousand acres				
Allen	346.5	66.0	82.5	60.5	49.5	88.0	...
Beauregard	614.8	284.2	98.6	63.8	63.8	104.4	...
Calcasieu	192.5	55.0	38.5	22.0	33.0	44.0	...
Evangeline	200.6	23.6	64.9	47.2	17.7	47.2	...
Grant	356.4	26.4	158.4	92.4	33.0	46.2	...
Jefferson Davis	68.2	...	18.6	24.8	12.4	12.4	...
La Salle	357.5	5.5	159.5	49.5	33.0	110.0	...
Natchitoches	599.2	22.4	235.2	145.6	89.6	89.6	16.8
Rapides	576.8	56.0	196.0	100.8	56.0	162.4	5.6
Sabine	477.9	11.8	241.9	82.6	123.9	17.7	...
Vernon	748.0	187.0	280.5	126.5	77.0	71.5	5.5
All parishes	4,538.4	737.9	1,574.6	815.7	588.9	793.4	27.9

Table 6. *Commercial forest land by stand-size class, 1974*

Parish	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
		Thousand acres			
Allen	346.5	203.5	77.0	60.5	5.5
Beauregard	614.8	203.0	220.4	156.6	34.8
Calcasieu	192.5	99.0	22.0	66.0	5.5
Evangeline	200.6	118.0	59.0	23.6	...
Grant	356.4	224.4	79.2	46.2	6.6
Jefferson Davis	68.2	43.4	6.2	18.6	...
La Salle	357.5	187.0	71.5	93.5	5.5
Natchitoches	599.2	302.4	168.0	123.2	5.6
Rapides	576.8	280.0	100.8	168.0	28.0
Sabine	477.9	277.3	118.0	82.6	...
Vernon	748.0	324.5	170.5	242.0	11.0
All parishes	4,538.4	2,262.5	1,092.6	1,080.8	102.5

Table 7. *Commercial forest land by site class, 1974*

Parish	All classes	165 cu. ft. or more	120-165 cu.ft.	85-120 cu.ft.	50-85 cu.ft.	Less than 50 cu.ft.
			Thousand acres			
Allen	346.5	11.0	71.5	126.5	115.5	22.0
Beauregard	614.8	17.4	75.4	249.4	243.6	29.0
Calcasieu	192.5	5.5	22.0	27.5	93.5	44.0
Evangeline	200.6	...	47.2	88.5	59.0	5.9
Grant	356.4	6.6	19.8	125.4	178.2	26.4
Jefferson Davis	68.2	...	18.6	18.6	24.8	6.2
La Salle	357.5	...	...	27.5	247.5	82.5
Natchitoches	599.2	16.8	78.4	268.8	218.4	16.8
Rapides	576.8	5.6	61.6	201.6	285.6	22.4
Sabine	477.9	11.8	53.1	241.9	159.3	11.8
Vernon	748.0	...	132.0	264.0	308.0	44.0
All parishes	4,538.4	74.7	579.6	1,639.7	1,933.4	311.0

Table 8. *Cordage of growing stock on commercial forest land by species group, 1974*

Parish	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
				Thousand cords				
Allen	5,949	3,833	3,768	65	2,116	803	955	358
Beauregard	8,136	5,891	5,816	75	2,245	916	963	366
Calcasieu	1,956	1,032	985	47	924	413	435	76
Evangeline	3,702	2,220	2,205	15	1,482	542	622	318
Grant	7,197	4,748	4,735	13	2,449	1,311	651	487
Jefferson Davis	1,188	639	639	...	549	334	200	15
La Salle	5,069	2,985	2,910	75	2,084	981	491	612
Natchitoches	9,284	5,912	5,840	72	3,372	1,538	900	934
Rapides	8,533	4,573	4,470	103	3,960	1,424	1,445	1,091
Sabine	9,202	6,192	6,176	16	3,010	1,151	1,061	798
Vernon	9,545	6,593	6,509	84	2,952	1,235	1,084	633
All parishes	69,761	44,618	44,053	565	25,143	10,648	8,807	5,688

Table 9. *Growing-stock volume on commercial forest land by species group, 1974*

Parish	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
				Million cubic feet				
Allen	429.3	287.5	282.6	4.9	141.8	53.8	64.0	24.0
Beauregard	592.2	441.8	436.2	5.6	150.4	61.4	64.5	24.5
Calcasieu	139.3	77.4	73.9	3.5	61.9	27.7	29.1	5.1
Evangeline	265.8	166.5	165.4	1.1	99.3	36.3	41.7	21.3
Grant	520.2	356.1	355.1	1.0	164.1	87.9	43.6	32.6
Jefferson Davis	84.7	47.9	47.9	...	36.8	22.4	13.4	1.0
La Salle	363.5	223.9	218.3	5.6	139.6	65.7	32.9	41.0
Natchitoches	669.3	443.4	438.0	5.4	225.9	103.0	60.3	62.6
Rapides	608.3	343.0	335.3	7.7	265.3	95.4	96.8	73.1
Sabine	666.1	464.4	463.2	1.2	201.7	77.1	71.1	53.5
Vernon	629.3	494.5	488.2	6.3	197.8	82.8	72.6	42.4
All parishes	5,031.0	3,346.4	3,304.1	42.3	1,684.6	713.5	590.0	381.1

Table 10. *Sawtimber volume on commercial forest land by species group, 1974*

Parish	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Million board feet							
Allen	1,810.3	1,313.4	1,291.7	21.7	496.9	198.9	219.3	78.7
Beauregard	1,793.3	1,330.3	1,302.5	27.8	463.0	196.6	198.3	68.1
Calcasieu	486.9	266.1	252.5	13.6	220.8	105.3	99.3	16.2
Evangeline	1,041.2	685.4	682.0	3.4	355.8	130.0	141.5	84.3
Grant	2,240.2	1,714.1	1,709.2	4.9	526.1	280.3	143.6	102.2
Jefferson Davis	332.2	190.6	190.6	...	141.6	87.9	49.8	3.9
La Salle	1,455.6	949.2	923.1	26.1	506.4	238.4	95.1	172.9
Natchitoches	2,343.1	1,767.4	1,750.4	17.0	575.7	283.1	132.1	160.5
Rapides	2,070.7	1,361.6	1,331.9	29.7	709.1	288.9	188.3	231.9
Sabine	2,485.8	1,940.6	1,935.7	4.9	545.2	255.5	132.6	157.1
Vernon	2,407.2	1,863.1	1,839.0	24.1	544.1	228.8	208.8	106.5
All parishes	18,466.5	13,381.8	13,208.6	173.2	5,084.7	2,293.7	1,608.7	1,182.3

Table 11. *Sawtimber volume on commercial forest land by species group and diameter class, 1974*

Parish	All species	Softwood			Hardwood		
		Total	9.0-14.9 inches	15.0 inches and up	Total	11.0-14.9 inches	15.0 inches and up
	Million board feet						
Allen	1,810.3	1,313.4	529.7	783.7	496.9	188.4	308.5
Beauregard	1,793.3	1,330.3	774.8	555.5	463.0	128.0	335.0
Calcasieu	486.9	266.1	124.4	141.7	220.8	70.3	150.5
Evangeline	1,041.2	685.4	389.6	295.8	355.8	132.8	223.0
Grant	2,240.2	1,714.1	582.9	1,131.2	526.1	174.8	351.3
Jefferson Davis	332.2	190.6	81.9	108.7	141.6	46.7	94.9
La Salle	1,455.6	949.2	386.2	563.0	506.4	158.0	348.4
Natchitoches	2,343.1	1,767.4	1,053.1	714.3	575.7	249.6	326.1
Rapides	2,070.7	1,361.6	696.2	665.4	709.1	286.9	422.2
Sabine	2,485.8	1,940.6	968.4	972.2	545.2	242.2	303.0
Vernon	2,407.2	1,863.1	1,178.7	684.4	544.1	261.9	282.2
All parishes	18,466.5	13,381.8	6,765.9	6,615.9	5,084.7	1,939.6	3,145.1

Table 12. *Growing-stock volume of softwoods on commercial forest land by forest type, 1974*

Parish	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress
	Million cubic feet					
Allen	287.5	61.7	153.0	33.3	17.9	21.6
Beauregard	441.8	284.5	96.0	32.0	4.9	24.4
Calcasieu	77.4	22.4	23.1	16.7	5.0	10.2
Evangeline	166.5	10.7	113.4	37.1	2.9	2.4
Grant	356.1	31.6	242.9	66.1	4.6	10.9
Jefferson Davis	47.9	...	26.7	10.9	2.8	7.5
La Salle	223.9	12.9	160.2	27.3	8.0	15.5
Natchitoches	443.4	46.2	293.6	86.0	9.6	8.0
Rapides	343.0	55.0	186.4	82.5	8.3	10.8
Sabine	464.4	14.1	321.5	78.3	42.7	7.8
Vernon	494.5	124.7	246.1	82.1	15.7	25.9
All parishes	3,346.4	663.8	1,862.9	552.3	122.4	145.0

Table 13. *Growing-stock volume of hardwoods on commercial forest land by forest type, 1974*

Parish	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million cubic feet				
Allen	141.8	1.2	14.7	14.3	21.0	90.6	...
Beauregard	150.4	.8	11.3	13.0	16.8	108.5	...
Calcasieu	61.9	...	.8	8.2	14.1	38.8	...
Evangeline	99.3	...	14.6	30.4	16.3	38.0	...
Grant	164.1	3.0	41.9	48.6	32.9	37.7	...
Jefferson Davis	36.8	...	7.3	14.2	4.9	10.4	...
La Salle	139.6	.4	21.4	23.5	11.6	82.7	...
Natchitoches	225.9	.5	41.7	53.6	54.0	59.5	16.6
Rapides	265.3	2.3	49.5	67.0	21.6	121.8	3.1
Sabine	201.7	.4	41.1	46.4	88.5	25.3	...
Vernon	197.8	.9	36.9	34.2	38.5	83.6	3.7
All parishes	1,684.6	9.5	281.2	353.4	320.2	696.9	23.4

Table 14. *Sawtimber volume of softwoods on commercial forest land by forest type, 1974*

Parish	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress
			Million board feet			
Allen	1,313.4	186.6	789.4	123.7	98.4	115.3
Beauregard	1,330.3	607.1	411.6	153.9	22.4	135.3
Calcasieu	266.1	64.7	74.2	60.0	21.3	45.9
Evangeline	685.4	12.1	498.9	151.2	14.2	9.0
Grant	1,714.1	121.4	1,165.7	332.4	28.2	66.4
Jefferson Davis	190.6	...	95.3	41.0	6.5	47.8
La Salle	949.2	65.8	626.2	123.6	43.9	89.7
Natchitoches	1,767.4	187.5	1,143.4	367.2	36.2	33.1
Rapides	1,361.6	187.0	681.2	409.8	36.0	47.6
Sabine	1,940.6	32.5	1,263.4	409.2	197.9	37.6
Vernon	1,863.1	515.5	810.7	344.2	67.1	125.6
All parishes	13,381.8	1,980.2	7,560.0	2,516.2	572.1	753.3

Table 15. *Sawtimber volume of hardwoods on commercial forest land by forest type, 1974*

Parish	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million board feet				
Allen	496.9	3.5	41.5	32.4	73.8	345.7	...
Beauregard	463.0	...	29.8	26.8	41.5	364.9	...
Calcasieu	220.8	...	1.2	21.6	55.6	142.4	...
Evangeline	355.8	...	51.5	102.6	61.5	140.2	...
Grant	526.1	3.4	102.9	130.5	128.8	160.5	...
Jefferson Davis	141.6	...	19.8	60.2	17.3	44.3	...
La Salle	506.4	...	46.9	63.2	25.9	370.4	...
Natchitoches	575.7	...	103.6	127.5	133.7	171.1	39.8
Rapides	709.1	8.6	41.2	212.0	64.3	383.0	...
Sabine	545.2	1.3	99.7	149.7	220.4	74.1	...
Vernon	544.1	3.8	73.8	70.3	117.6	264.3	14.3
All parishes	5,084.7	20.6	611.9	996.8	940.4	2,460.9	54.1

Table 16. *Growing-stock volume of softwoods on commercial forest land by stand-size class, 1974*

Parish	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million cubic feet		
Allen	287.5	213.4	63.7	10.0	0.4
Beauregard	441.8	210.1	199.4	31.9	.4
Calcasieu	77.4	55.5	13.4	8.1	.4
Evangeline	166.5	141.4	22.3	2.8	...
Grant	356.1	293.3	56.6	6.2	...
Jefferson Davis	47.9	37.6	6.7	3.6	...
La Salle	223.9	155.5	50.6	17.2	.6
Natchitoches	443.4	357.6	71.9	13.9	...
Rapides	343.0	277.5	45.1	19.7	.7
Sabine	464.4	363.7	85.0	15.7	...
Vernon	494.5	342.7	107.5	44.3	...
All parishes	3,346.4	2,448.3	722.2	173.4	2.5

Table 17. *Growing-stock volume of hardwoods on commercial forest land by stand-size class, 1974*

Parish	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million cubic feet		
Allen	141.8	117.8	17.8	6.2	...
Beauregard	150.4	111.2	34.2	5.0	...
Calcasieu	61.9	59.0	1.9	1.0	...
Evangeline	99.3	68.3	27.2	3.8	...
Grant	164.1	130.0	24.0	9.9	0.2
Jefferson Davis	36.8	34.2	2.0	.6	...
La Salle	139.6	101.3	25.8	12.5	...
Natchitoches	225.9	122.1	83.6	20.2	...
Rapides	265.3	179.3	36.5	49.3	.2
Sabine	201.7	147.6	43.9	10.2	...
Vernon	197.8	144.8	42.6	10.4	...
All parishes	1,684.6	1,215.6	339.5	129.1	.4

Table 18. *Sawtimber volume of softwoods on commercial forest land by stand-size class, 1974*

Parish	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million board feet		
Allen	1,313.4	1,148.8	120.3	43.4	0.9
Beauregard	1,330.3	1,026.0	191.9	110.7	1.7
Calcasieu	266.1	228.7	20.8	15.1	1.5
Evangeline	685.4	637.8	43.7	3.9	...
Grant	1,714.1	1,552.9	130.7	30.5	...
Jefferson Davis	190.6	174.3	7.1	9.2	...
La Salle	949.2	759.6	113.0	73.7	2.9
Natchitoches	1,767.4	1,527.1	196.0	44.3	...
Rapides	1,361.6	1,229.1	80.6	50.3	1.6
Sabine	1,940.6	1,647.0	249.2	44.4	...
Vernon	1,863.1	1,493.6	208.6	160.9	...
All parishes	13,381.8	11,424.9	1,361.9	586.4	8.6

Table 19. *Sawtimber volume of hardwoods on commercial forest land by stand-size class, 1974*

Parish	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million board feet		
Allen	496.9	451.5	20.9	24.5	...
Beauregard	463.0	385.3	68.1	9.6	...
Calcasieu	220.8	215.1	3.8	1.9	...
Evangeline	355.8	267.4	66.9	21.5	...
Grant	526.1	470.1	32.6	23.4	...
Jefferson Davis	141.6	131.5	7.2	2.9	...
La Salle	506.4	424.1	52.1	30.2	...
Natchitoches	575.7	384.4	149.3	42.0	...
Rapides	709.1	607.5	63.0	38.6	...
Sabine	545.2	466.6	58.9	19.7	...
Vernon	544.1	449.9	66.9	27.3	...
All parishes	5,084.7	4,253.4	589.7	241.6	...

Table 20. *Commercial forest land by physiographic site class, 1974*

Parish	All sites	Pine	Upland-hardwood	Bottomland-hardwood
		Thousand acres		
Allen	346.5	253.0	...	93.5
Beauregard	614.8	504.6	...	110.2
Calcasieu	192.5	143.0	...	49.5
Evangeline	200.6	147.5	...	53.1
Grant	356.4	303.6	...	52.8
Jefferson Davis	68.2	49.6	...	18.6
La Salle	357.5	247.5	...	110.0
Natchitoches	599.2	492.8	...	106.4
Rapides	576.8	380.8	...	196.0
Sabine	477.9	454.3	...	23.6
Vernon	748.0	660.0	...	88.0
All parishes	4,538.4	3,636.7	...	901.7

Table 21. *Growing-stock volume on commercial forest land by physiographic site and species group, 1974*

Parish	All sites		Pine		Upland-hardwood		Bottomland-hardwood	
	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
				Million cubic feet				
Allen	287.5	141.8	261.8	47.1	...	...	25.7	94.7
Beauregard	441.8	150.4	395.3	39.4	...	...	46.5	111.0
Calcasieu	77.4	61.9	60.9	20.7	...	...	16.5	41.2
Evangeline	166.5	99.3	160.0	57.1	...	...	6.5	42.2
Grant	356.1	164.1	341.7	120.9	...	...	14.4	43.2
Jefferson Davis	47.9	36.8	36.2	19.6	...	...	11.7	17.2
La Salle	223.9	139.6	208.4	56.9	...	...	15.5	82.7
Natchitoches	443.4	225.9	435.4	149.8	...	...	8.0	76.1
Rapides	343.0	265.3	294.3	119.6	...	...	48.7	145.7
Sabine	464.4	201.7	447.6	175.1	...	...	16.8	26.6
Vernon	494.5	197.8	461.8	106.6	...	...	32.7	91.2
All parishes	3,346.4	1,684.6	3,103.4	912.8	...	...	243.0	771.8

Table 22. *Growing-stock volume on commercial forest land by species and diameter class, 1974*[1]

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 and larger
	Million cubic feet										
Softwood:											
Longleaf pine	362.9	23.6	34.2	52.8	75.3	69.6	49.1	34.8	14.9	8.0	0.6
Slash pine	380.4	117.4	97.9	59.2	52.6	34.2	16.7	2.4	...	...	...
Shortleaf pine	309.6	25.1	54.8	50.0	54.3	44.3	36.6	25.3	15.2	4.0	...
Loblolly pine	2,251.2	171.8	279.8	296.4	305.7	309.3	247.8	234.0	153.6	236.1	16.7
Other softwoods	42.3	1.3	4.4	3.8	3.1	3.6	7.5	4.8	4.4	8.9	.5
Total	3,346.4	339.2	471.1	462.2	491.0	461.0	357.7	301.3	188.1	257.0	17.8
Hardwood:											
Select white oaks[2]	132.3	8.9	14.8	16.8	20.8	17.8	21.7	9.4	7.8	11.1	3.2
Select red oaks[3]	59.1	4.7	4.7	8.2	7.7	9.2	8.2	4.7	3.4	7.3	1.0
Other white oaks	133.3	14.3	16.4	21.2	20.5	13.8	16.4	9.6	5.7	13.7	1.7
Other red oaks	388.8	28.4	48.2	51.9	59.4	58.7	44.9	31.8	25.7	35.5	4.3
Pecan	50.5	4.4	3.4	6.9	3.8	8.0	8.7	4.8	3.4	6.2	.9
Other hickories	89.0	7.0	6.8	14.1	10.2	8.3	10.1	10.9	5.8	13.7	2.1
Persimmon	2.7	1.0	.6	.2	...	.9	...	...	...	...	...
Soft maple	17.7	5.8	4.0	4.9	1.1	1.7	.2	...	...	...	...
Beech	70.7	1.3	2.1	6.4	7.4	10.1	15.2	8.0	11.0	8.6	.6
Sweetgum	408.6	45.2	62.0	63.9	57.6	52.4	49.4	31.7	20.7	25.7	...
Blackgum	156.0	13.5	46.4	13.6	20.7	21.8	19.6	7.8	5.2	5.6	1.8
Other gums	25.4	2.3	2.7	3.3	.5	2.9	4.1	1.6	1.3	5.1	1.6
White ash	14.5	2.0	1.9	2.3	.7	2.2	2.3	1.8	.5	.8	...
Other ashes	23.1	3.8	2.4	6.7	3.1	3.2	1.3	.7	1.1	.8	...
Basswood	3.4	...	1.1	.8	.7	...	...	.5	...	.3	...
Magnolia	11.6	...	1.3	...	2.3	2.2	1.2	2.0	.6	2.0	...
Sweetbay	17.7	3.7	3.9	3.6	5.0	.3	.7	...	.5	...	...
Black cherry	3.1	.8	.4	.4	.4	1.1	...	...	...	...	...
American elm	8.0	.5	1.2	.4	.8	1.2	1.6	2.3	...	...	...
Other elms	26.2	2.1	7.0	5.7	6.9	2.2	.9	1.2	...	.2	...
Sugarberry	14.5	1.7	.6	1.8	7.7	.6	.7	...	.4	1.0	...
Locust	3.1	.7	.3	.3	...	.7	...	...	.4	.7	...
Sassafras	1.7	.2	.7	.8	...	...	...	...	...	...	...
Dogwood	1.1	.7	.3	.1	...	...	...	...	...	...	...
Holly	5.1	1.5	.3	.4	1.2	.9	.3	...	...	.5	...
Other hardwoods	17.4	3.3	1.8	3.4	1.3	1.5	2.4	1.0	1.2	.7	.8
Total	1,684.6	157.8	235.3	238.1	239.8	221.7	209.9	129.8	94.7	139.5	18.0
All species	5,031.0	497.0	706.4	700.3	730.8	682.7	567.6	431.1	282.8	396.5	35.8

[1] Detailed county statistics by species and diameter class available upon request.
[2] Includes white, swamp chestnut, chinkapin, and bur oaks.
[3] Includes northern red, Shumard, and cherrybark oaks.

Table 23. *Sawtimber volume on commercial forest land by species and diameter class, 1974*[1]

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 and larger
	Million board feet								
Softwood:									
Longleaf pine	1,547.1	217.6	371.5	361.6	270.0	192.3	83.5	47.0	3.6
Slash pine	830.5	242.5	281.3	196.9	97.8	12.0	...	...	...
Shortleaf pine	1,209.5	201.1	276.6	244.9	217.7	148.1	93.7	27.4	...
Loblolly pine	9,621.5	1,180.5	1,484.9	1,666.9	1,401.2	1,389.1	928.3	1,460.7	109.9
Other softwoods	173.2	12.5	10.2	16.9	34.9	25.2	21.7	48.0	3.8
Total	13,381.8	1,854.2	2,424.5	2,487.2	2,021.6	1,766.7	1,127.2	1,583.1	117.3
Hardwood:									
Select white oaks[2]	459.7	...	85.1	88.5	114.7	47.0	40.8	62.9	20.7
Select red oaks[3]	203.4	...	28.4	44.1	41.1	25.0	17.7	40.8	6.3
Other white oaks	377.9	...	64.4	66.8	80.8	54.9	29.0	70.7	11.3
Other red oaks	1,252.7	...	239.1	273.7	216.3	165.6	136.1	196.0	25.9
Pecan	184.9	...	18.9	37.2	44.7	26.8	18.3	32.9	6.1
Other hickories	306.9	...	39.2	35.4	51.1	58.9	29.6	79.7	13.0
Persimmon	4.8	...	...	4.8	...	...	...	...	...
Soft maple	13.3	...	4.6	7.5	1.2	...	...	...	...
Beech	330.8	...	32.9	53.4	78.1	41.2	69.0	51.4	4.8
Sweetgum	1,148.8	...	223.7	238.4	251.4	174.0	113.3	148.0	...
Blackgum	378.4	...	74.4	92.6	95.3	43.1	29.3	30.5	13.2
Other gums	81.5	...	2.2	12.7	19.8	6.6	5.9	26.4	7.9
White ash	40.7	...	3.5	10.5	10.1	10.2	2.5	3.9	...
Other ashes	46.3	...	12.2	14.3	5.6	3.9	5.9	4.4	...
Basswood	8.4	...	2.8	...	...	3.4	...	2.2	...
Magnolia	48.9	...	10.3	10.4	6.4	10.4	3.4	8.0	...
Sweetbay	25.8	...	18.2	1.9	3.4	...	2.3	...	...
Black cherry	6.8	...	1.6	5.2	...	...	...	...	...
American elm	29.2	...	4.0	5.1	8.0	12.1	...	...	...
Other elms	52.0	...	28.3	11.0	5.0	6.1	...	1.6	...
Sugarberry	18.5	...	5.1	2.6	3.9	...	2.1	4.8	...
Locust	8.9	...	...	3.1	...	...	1.5	4.3	...
Holly	12.7	...	4.6	4.7	1.6	...	...	1.8	...
Other hardwoods	43.4	...	6.2	6.0	11.8	4.4	6.0	3.8	5.2
Total	5,084.7	...	909.7	1,029.9	1,050.3	693.6	512.7	774.1	114.4
All species	18,466.5	1,854.2	3,334.2	3,517.1	3,071.9	2,460.3	1,639.9	2,357.2	231.7

[1] Detailed county statistics by species and diameter class available upon request.
[2] Includes white, swamp chestnut, chinkapin, and bur oaks.
[3] Includes northern red, Shumard, and cherrybark oaks.

Table 24. *Average volume per acre of growing stock and sawtimber on commercial forest land by species group and ownership class, 1974*

Ownership	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Cubic feet			*Board feet*		
National forest	1,451	1,102	349	6,604	5,470	1,134
Other public	993	536	457	4,050	2,446	1,604
Forest industry	1,123	796	327	4,003	3,053	950
Farmer	1,009	550	459	3,389	2,107	1,282
Misc. private	1,056	674	382	3,715	2,553	1,162
All ownerships	1,108	737	371	4,069	2,949	1,120

Table 25. *Average volume per acre of growing stock and sawtimber on commercial forest land by forest type and species group, 1974*

Type	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Cubic feet			*Board feet*		
Longleaf-slash pine	913	900	13	2,712	2,684	28
Loblolly-shortleaf pine	1,362	1,183	179	5,190	4,801	389
Oak-pine	1,110	677	433	4,307	3,085	1,222
Oak-hickory	752	208	544	2,568	971	1,597
Oak-gum-cypress	1,061	183	878	4,051	949	3,102
Elm-ash-cottonwood	839	...	839	1,939	...	1,939
All types	1,108	737	371	4,069	2,949	1,120

Hedlund, Arnold, and Earles, J. M.

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