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FOREST STATISTICS FOR THE DELTA AND OUACHITA REGIONS OF ARKANSAS

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Arkansas Forest Survey Regions

SOUTHWEST: Ashley, Bradley, Calhoun, Clark, Cleveland, Columbia, Dallas, Drew, Grant, Hempstead, Hot Spring, Howard, Lafayette, Little River, Miller, Nevada, Ouachita, Pike, Sevier, Union

OUACHITA: Garland, Logan, Montgomery, Perry, Polk, Pulaski, Saline, Scott, Sebastian, Yell

OZARK: Baxter, Benton, Boone, Carroll, Cleburne, Conway, Crawford, Faulkner, Franklin, Fulton, Independence, Izard, Johnson, Madison, Marion, Newton, Pope, Randolph, Searcy, Sharp, Stone, Van Buren, Washington, White

DELTA: Arkansas, Chicot, Clay, Craighead, Crittenden, Cross, Desha, Greene, Jackson, Jefferson, Lawrence, Lee, Lincoln, Lonoke, Mississippi, Monroe, Phillips, Poinsett, Prairie, St. Francis, Woodruff



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This report tabulates information from a new forest survey of the Delta and Ouachita regions of Arkansas, completed in 1969 by the Southern Forest Experiment Station. The tables are intended for use as source data in compiling estimates for groups of counties. Because the Arkansas sampling procedure is intended primarily to furnish inventory data for the State as a whole, estimates for individual counties 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 county area and volume totals are liable (on a probability of two chances out of three) are shown in table 1.

Table 1. — *Sampling errors¹ for forest land and timber volume by county, 1969*

County	Commercial forest land	Growing stock	Sawtimber volume	County	Commercial forest land	Growing stock	Sawtimber volume
— — — — Percent — — — —				— — — — Percent — — — —			
Arkansas	1.6	11.9	16.9	Mississippi	0.5	13.0	26.4
Chicot	1.6	17.5	20.3	Monroe	1.8	10.2	12.8
Clay	1.6	25.1	44.3	Montgomery	1.2	7.0	10.9
Craighead	1.5	16.7	25.5	Perry	1.9	7.5	11.8
Crittenden	.6	29.9	41.0	Phillips	1.1	13.0	18.8
Cross	1.2	24.6	28.0	Poinsett	1.2	16.2	25.4
Desha	1.6	14.9	16.9	Polk	1.9	8.6	12.4
Garland	1.5	7.3	9.1	Prairie	2.6	20.4	25.9
Greene	1.5	14.2	27.1	Pulaski	3.0	11.4	16.5
Jackson	1.2	23.6	38.7	St. Francis	1.2	20.3	23.5
Jefferson	1.8	11.7	16.6	Saline	2.1	7.9	9.4
Lawrence	2.6	17.5	34.5	Scott	1.2	6.3	8.7
Lee	1.1	15.6	18.4	Sebastian	2.6	20.4	24.3
Lincoln	2.3	10.4	15.8	Woodruff	2.1	17.7	25.6
Logan	2.5	11.3	16.0	Yell	2.0	6.3	9.3
Lonoke	1.5	15.3	20.5				
				All counties	.4	2.3	3.3

¹ By random-sampling formula.

When data for two or more counties are grouped the error decreases; the approximate error for the group may readily be computed by standard statistical procedures.¹

Conversely, as data for individual counties 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, meaningful comparisons cannot be made between the volume estimates in this report and those contained in earlier publications on Arkansas. A Statewide interpretive report will be issued when all counties have been inventoried; it will include an evaluation of timber trends since the previous survey of 1959.

¹Freese, F. **Elementary forest sampling.** USDA Agr. Handbook 232, 91 pp. 1962.

Table 2. — *Sampling errors¹ for growing-stock volume by species, 1969*

Species	Ouachita	Delta
— — Percent — —		
Softwood:		
Southern pines	4.1	21.6
Other softwoods	45.1	21.6
	<u>4.1</u>	<u>15.4</u>
Hardwood:		
Select white oaks	7.6	14.4
Select red oaks	11.9	15.2
Other white oaks	7.1	8.7
Other red oaks	9.7	7.9
Hickory	8.2	8.2
Sweetgum	14.0	15.4
Tupelo and blackgum	12.9	40.6
Maple	28.9	23.8
Beech	...	(²)
Ash	21.9	16.3
Other hardwoods	14.5	9.2
	<u>3.6</u>	<u>3.3</u>
All species	2.7	4.1

¹ By random-sampling formula.

² Exceeds 50 percent.

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 5.0 inches d.b.h. and over 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.

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.

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 seedling and saplings.

Table 3. — *Commercial forest land by ownership class and county,
Ouachita region, 1969*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
<i>Thousand acres</i>						
Garland	335.5	99.4	17.9	121.4	10.6	86.2
Logan	254.2	86.6	9.1	5.9	59.5	93.1
Montgomery	410.4	290.3	10.9	54.7	10.9	43.6
Perry	273.6	94.3	1.9	65.6	60.2	51.6
Polk	435.0	178.0	1.5	100.2	33.4	121.9
Pulaski	252.0	...	28.1	21.5	43.0	159.4
Saline	372.6	51.5	1.6	171.0	15.5	133.0
Scott	448.2	349.9	(¹)	25.9	46.6	25.8
Sebastian	134.4	9.5	37.1	...	43.0	44.8
Yell	403.2	210.8	18.0	48.4	86.0	40.0
All counties	3,319.1	1,370.3	126.1	614.6	408.7	799.4

¹ Negligible.

Table 4. — *Commercial forest land by ownership class and county,
Delta region, 1969*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
<i>Thousand acres</i>						
Arkansas	207.2	...	72.1	11.8	57.7	65.6
Chicot	75.6	...	...	31.1	25.9	18.6
Clay	65.0	...	11.0	10.8	12.9	30.3
Craighead	45.5	...	...	...	17.4	28.1
Crittenden	32.0	...	7.8	5.3	12.7	6.2
Cross	49.5	...	...	...	43.9	5.6
Desha	143.0	...	20.2	96.9	25.9	...
Greene	53.3	...	.4	...	40.8	12.1
Jackson	65.0	...	...	...	32.4	32.6
Jefferson	193.5	...	18.6	38.0	50.9	86.0
Lawrence	108.8	...	8.5	...	57.4	42.9
Lee	87.4	9.4	...	4.9	42.6	30.5
Lincoln	142.8	...	.3	10.8	31.5	100.2
Lonoke	91.8	...	(¹)	...	61.1	30.7
Mississippi	34.8	...	14.4	10.2	10.2	...
Monroe	150.4	...	22.1	48.6	75.2	4.5
Phillips	81.6	8.8	8.8	10.8	26.2	27.0
Poinsett	65.0	...	3.9	...	34.8	26.3
Prairie	140.4	...	13.7	16.5	56.2	54.0
St. Francis	65.0	...	9.6	4.2	29.9	21.3
Woodruff	77.4	...	(¹)	...	42.8	34.6
All counties	1,975.0	18.2	211.4	299.9	788.4	657.1

¹ Negligible.

Table 5. — *Commercial forest land by forest type and county, Ouachita region, 1969*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood
<i>Thousand acres</i>						
Garland	335.5	115.5	115.5	104.5	...	...
Logan	254.2	80.6	49.6	111.6	12.4	...
Montgomery	410.4	165.3	114.0	131.1	...	...
Perry	273.6	102.6	119.7	45.6	5.7	...
Polk	435.0	104.4	168.2	162.4	...	...
Pulaski	252.0	22.4	50.4	117.6	56.0	5.6
Saline	372.6	81.0	91.8	167.4	27.0	5.4
Scott	448.2	226.8	75.6	140.4	5.4	...
Sebastian	134.4	6.4	6.4	96.0	19.2	6.4
Yell	403.2	145.6	100.8	95.2	61.6	...
All counties	3,319.1	1,050.6	892.0	1,171.8	187.3	17.4

Table 6. — *Commercial forest land by forest type and county, Delta region, 1969*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cotton-wood
<i>Thousand acres</i>						
Arkansas	207.2	...	...	44.8	145.6	16.8
Chicot	75.6	...	...	4.2	50.4	21.0
Clay	65.0	...	...	19.5	45.5	...
Craighead	45.5	...	...	14.0	24.5	7.0
Crittenden	32.0	...	...	...	19.2	12.8
Cross	49.5	...	...	22.0	27.5	...
Desha	143.0	...	...	...	117.0	26.0
Greene	53.3	...	4.1	36.9	8.2	4.1
Jackson	65.0	...	...	39.0	26.0	...
Jefferson	193.5	31.5	31.5	49.5	72.0	9.0
Lawrence	108.8	...	...	64.0	44.8	...
Lee	87.4	...	...	9.2	55.2	23.0
Lincoln	142.8	20.4	15.3	61.2	35.7	10.2
Lonoke	91.8	...	...	32.4	59.4	...
Mississippi	34.8	...	...	...	17.4	17.4
Monroe	150.4	...	4.7	18.8	126.9	...
Phillips	81.6	...	...	15.3	61.2	5.1
Poinsett	65.0	...	...	20.0	20.0	25.0
Prairie	140.4	...	...	46.8	93.6	...
St. Francis	65.0	...	...	...	60.0	5.0
Woodruff	77.4	...	...	...	73.1	4.3
All counties	1,975.0	51.9	55.6	497.6	1,183.2	186.7

Table 7. — *Commercial forest land by stand-size class and county, Ouachita region, 1969*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
<i>Thousand acres</i>					
Garland	335.5	126.5	93.5	115.5	...
Logan	254.2	55.8	68.2	130.2	...
Montgomery	410.4	148.2	159.6	102.6	...
Perry	273.6	96.9	74.1	102.6	...
Polk	435.0	145.0	127.6	162.4	...
Pulaski	252.0	44.8	72.8	128.8	5.6
Saline	372.6	108.0	113.4	151.2	...
Scott	448.2	151.2	167.4	129.6	...
Sebastian	134.4	...	12.8	121.6	...
Yell	403.2	117.6	168.0	117.6	...
All counties	3,319.1	994.0	1,057.4	1,262.1	5.6

Table 8. — *Commercial forest land by stand-size class and county, Delta region, 1969*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
<i>Thousand acres</i>					
Arkansas	207.2	134.4	39.2	33.6	...
Chicot	75.6	37.8	21.0	8.4	8.4
Clay	65.0	19.5	19.5	26.0	...
Craighead	45.5	17.5	7.0	21.0	...
Crittenden	32.0	25.6	...	6.4	...
Cross	49.5	22.0	5.5	22.0	...
Desha	143.0	97.5	13.0	32.5	...
Greene	53.3	28.7	8.2	16.4	...
Jackson	65.0	6.5	19.5	39.0	...
Jefferson	193.5	81.0	49.5	63.0	...
Lawrence	108.8	12.8	44.8	51.2	...
Lee	87.4	59.8	23.0	4.6	...
Lincoln	142.8	51.0	45.9	45.9	...
Lonoke	91.8	37.8	16.2	37.8	...
Mississippi	34.8	17.4	11.6	5.8	...
Monroe	150.4	89.3	32.9	28.2	...
Phillips	81.6	35.7	25.5	20.4	...
Poinsett	65.0	30.0	25.0	10.0	...
Prairie	140.4	70.2	31.2	39.0	...
St. Francis	65.0	30.0	15.0	20.0	...
Woodruff	77.4	34.4	17.2	25.8	...
All counties	1,975.0	938.9	470.7	557.0	8.4

Table 9. — *Cordage of growing stock on commercial forest land by species group and county, Ouachita region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
<i>Thousand cords</i>								
Garland	4,846	3,155	3,155	...	1,691	1,164	259	268
Logan	2,239	1,311	1,296	15	928	625	96	207
Montgomery	6,463	4,608	4,608	...	1,855	1,337	160	358
Perry	3,560	2,681	2,681	...	879	587	176	116
Polk	4,655	3,080	3,068	12	1,575	1,042	233	300
Pulaski	2,278	979	839	140	1,299	767	275	257
Saline	4,828	2,371	2,370	1	2,457	1,327	573	557
Scott	5,744	4,153	4,134	19	1,591	1,081	213	297
Sebastian	409	119	112	7	290	214	...	76
Yell	5,206	3,190	3,160	30	2,016	1,016	491	509
All counties	40,228	25,647	25,423	224	14,581	9,160	2,476	2,945

Table 10. — *Cordage of growing stock on commercial forest land by species group and county, Delta region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
<i>Thousand cords</i>								
Arkansas	3,732	265	...	265	3,467	1,204	339	1,924
Chicot	1,087	...	...	...	1,087	349	75	663
Clay	927	...	...	...	927	439	60	428
Craighead	352	51	...	51	301	131	33	137
Crittenden	627	...	...	...	627	...	3	624
Cross	461	4	4	...	457	234	31	192
Desha	2,627	211	...	211	2,416	233	200	1,983
Greene	596	57	48	9	539	297	87	155
Jackson	391	...	...	...	391	251	15	125
Jefferson	2,341	704	596	108	1,637	886	154	597
Lawrence	667	7	...	7	660	494	73	93
Lee	2,133	29	...	29	2,104	543	153	1,408
Lincoln	1,752	382	320	62	1,370	799	170	401
Lonoke	1,104	25	...	25	1,079	633	210	236
Mississippi	572	65	...	65	507	19	...	488
Monroe	2,710	259	48	211	2,451	966	270	1,215
Phillips	1,425	4	...	4	1,421	630	139	652
Poinsett	776	19	...	19	757	387	19	351
Prairie	2,462	77	...	77	2,385	984	513	888
St. Francis	820	41	...	41	779	404	136	239
Woodruff	1,165	69	...	69	1,096	421	136	539
All counties	28,727	2,269	1,016	1,253	26,458	10,304	2,816	13,338

Table 11. — *Growing-stock volume on commercial forest land by species group and county, Ouachita region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- <i>Million cubic feet</i> -----								
Garland	349.9	236.6	236.6	...	113.3	78.0	17.4	17.9
Logan	160.5	98.3	97.2	1.1	62.2	41.9	6.4	13.9
Montgomery	469.9	345.6	345.6	...	124.3	89.6	10.7	24.0
Perry	260.0	201.1	201.1	...	58.9	39.3	11.8	7.8
Polk	336.5	231.0	230.1	.9	105.5	69.8	15.6	20.1
Pulaski	160.4	73.4	62.9	10.5	87.0	51.4	18.4	17.2
Saline	342.4	177.8	177.7	.1	164.6	88.9	38.4	37.3
Scott	418.1	311.5	310.1	1.4	106.6	72.4	14.3	19.9
Sebastian	28.3	8.9	8.4	.5	19.4	14.3	...	5.1
Yell	374.4	239.3	237.0	2.3	135.1	68.1	32.9	34.1
All counties	2,900.4	1,923.5	1,906.7	16.8	976.9	613.7	165.9	197.3

Table 12. — *Growing-stock volume on commercial forest land by species group and county, Delta region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
<i>----- Million cubic feet -----</i>								
Arkansas	252.2	19.9	...	19.9	232.3	80.7	22.7	128.9
Chicot	72.8	...	...	...	72.8	23.4	5.0	44.4
Clay	62.1	...	...	...	62.1	29.4	4.0	28.7
Craighead	24.0	3.8	...	3.8	20.2	8.8	2.2	9.2
Crittenden	42.0	...	...	...	42.0	...	.2	41.8
Cross	30.9	.3	0.3	...	30.6	15.7	2.1	12.8
Desha	177.7	15.8	...	15.8	161.9	15.6	13.4	132.9
Greene	40.4	4.3	3.6	.7	36.1	19.9	5.8	10.4
Jackson	26.2	...	...	...	26.2	16.8	1.0	8.4
Jefferson	162.5	52.8	44.7	8.1	109.7	59.4	10.3	40.0
Lawrence	44.7	.5	...	.5	44.2	33.1	4.9	6.2
Lee	143.2	2.2	...	2.2	141.0	36.4	10.3	94.3
Lincoln	120.4	28.6	24.0	4.6	91.8	53.5	11.4	26.9
Lonoke	74.2	1.9	...	1.9	72.3	42.4	14.1	15.8
Mississippi	38.9	4.9	...	4.9	34.0	1.3	...	32.7
Monroe	183.6	19.4	3.6	15.8	164.2	64.7	18.1	81.4
Phillips	95.5	.3	...	.3	95.2	42.2	9.3	43.7
Poinsett	52.1	1.4	...	1.4	50.7	25.9	1.3	23.5
Prairie	165.6	5.8	...	5.8	159.8	65.9	34.4	59.5
St. Francis	55.3	3.1	...	3.1	52.2	27.1	9.1	16.0
Woodruff	78.6	5.2	...	5.2	73.4	28.2	9.1	36.1
All counties	1,942.9	170.2	76.2	94.0	1,772.7	690.4	188.7	893.6

Table 13. — *Sawtimber volume on commercial forest land by species group and county, Ouachita region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
— — — — — Million board feet — — — — —								
Garland	1,073.3	864.9	864.9	...	208.4	144.9	44.9	18.6
Logan	458.5	330.4	330.1	0.3	128.1	94.5	12.1	21.5
Montgomery	1,429.2	1,204.6	1,204.6	...	224.6	185.1	10.7	28.8
Perry	817.5	724.3	724.3	...	93.2	46.8	38.5	7.9
Polk	1,014.8	830.4	830.0	.4	184.4	119.7	34.9	29.8
Pulaski	366.0	218.5	189.8	28.7	147.5	83.8	35.1	28.6
Saline	904.9	566.0	566.0	...	338.9	198.7	78.4	61.8
Scott	1,142.4	970.3	968.6	1.7	172.1	123.1	32.5	16.5
Sebastian	54.9	21.6	19.9	1.7	33.3	26.7	...	6.6
Yell	1,081.9	802.1	799.1	3.0	279.8	149.0	89.3	41.5
All counties	8,343.4	6,533.1	6,497.3	35.8	1,810.3	1,172.3	376.4	261.6

Table 14. — *Sawtimber volume on commercial forest land by species group and county, Delta region, 1969*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- <i>Million board feet</i> -----								
Arkansas	929.0	113.0	...	113.0	816.0	280.6	101.0	434.4
Chicot	280.8	...	...	...	280.8	92.9	19.5	168.4
Clay	160.1	...	...	...	160.1	79.6	9.1	71.4
Craighead	67.5	17.5	...	17.5	50.0	16.3	5.7	28.0
Crittenden	135.4	...	...	...	135.4	...	...	135.4
Cross	91.7	...	...	...	91.7	48.9	3.0	39.8
Desha	706.6	94.3	...	94.3	612.3	58.2	67.5	486.6
Greene	111.9	17.5	14.9	2.6	94.4	56.2	19.5	18.7
Jackson	69.6	...	...	...	69.6	37.6	3.2	28.8
Jefferson	473.4	208.4	170.5	37.9	265.0	133.6	27.9	103.5
Lawrence	96.2	...	...	...	96.2	82.8	8.4	5.0
Lee	523.0	11.6	...	11.6	511.4	140.5	34.7	336.2
Lincoln	354.8	90.5	72.0	18.5	264.3	170.2	29.9	64.2
Lonoke	212.0	11.6	...	11.6	200.4	129.6	32.1	38.7
Mississippi	99.5	27.4	...	27.4	72.1	4.9	...	67.2
Monroe	623.2	103.6	14.5	89.1	519.6	226.0	40.1	253.5
Phillips	251.9	2.0	...	2.0	249.9	111.4	20.4	118.1
Poinsett	153.5	7.5	...	7.5	146.0	78.9	...	67.1
Prairie	583.3	29.6	...	29.6	553.7	213.7	143.7	196.3
St. Francis	174.0	18.2	...	18.2	155.8	90.2	30.1	35.5
Woodruff	230.0	22.1	...	22.1	207.9	93.7	25.1	89.1
All counties	6,327.4	774.8	271.9	502.9	5,552.6	2,145.8	620.9	2,785.9

Table 15. — *Sawtimber volume on commercial forest land by species group, diameter class, and county, Ouachita region, 1969*

County	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
<i>----- Million board feet -----</i>							
Garland	1,073.3	864.9	630.6	234.3	208.4	128.9	79.5
Logan	458.5	330.4	244.6	85.8	128.1	63.5	64.6
Montgomery	1,429.2	1,204.6	902.5	302.1	224.6	129.7	94.9
Perry	817.5	724.3	523.3	201.0	93.2	60.7	32.5
Polk	1,014.8	830.4	683.8	146.6	184.4	113.4	71.0
Pulaski	366.0	218.5	178.9	39.6	147.5	73.7	73.8
Saline	904.9	566.0	423.3	142.7	338.9	204.4	134.5
Scott	1,142.4	970.3	790.8	179.5	172.1	113.4	58.7
Sebastian	54.9	21.6	19.3	2.3	33.3	18.3	15.0
Yell	1,081.9	802.1	617.1	185.0	279.8	155.8	124.0
All counties	8,343.4	6,533.1	5,014.2	1,518.9	1,810.3	1,061.8	748.5

Table 16. — *Sawtimber volume on commercial forest land by species group, diameter class, and county, Delta region, 1969*

County	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
<i>— — — — — Million board feet — — — — —</i>							
Arkansas	929.0	113.0	...	113.0	816.0	235.9	580.1
Chicot	280.8	...	...	...	280.8	45.5	235.3
Clay	160.1	...	...	...	160.1	41.2	118.9
Craighead	67.5	17.5	6.4	11.1	50.0	14.0	36.0
Crittenden	135.4	...	...	...	135.4	28.1	107.3
Cross	91.7	...	...	...	91.7	34.8	56.9
Desha	706.6	94.3	4	93.9	612.3	124.8	487.5
Greene	111.9	17.5	11.8	5.7	94.4	38.4	56.0
Jackson	69.6	...	...	...	69.6	31.5	38.1
Jefferson	473.4	208.4	90.1	118.3	265.0	125.1	139.9
Lawrence	96.2	...	...	...	96.2	41.4	54.8
Lee	523.0	11.6	...	11.6	511.4	158.5	352.9
Lincoln	354.8	90.5	48.7	41.8	264.3	100.8	163.5
Lonoke	212.0	11.6	...	11.6	200.4	100.5	99.9
Mississippi	99.5	27.4	...	27.4	72.1	22.9	49.2
Monroe	623.2	103.6	9.5	94.1	519.6	147.0	372.6
Phillips	251.9	2.0	...	2.0	249.9	61.5	188.4
Poinsett	153.5	7.5	2.5	5.0	146.0	58.3	87.7
Prairie	583.3	29.6	1.1	28.5	553.7	207.4	346.3
St. Francis	174.0	18.2	.3	17.9	155.8	54.6	101.2
Woodruff	230.0	22.1	5.9	16.2	207.9	62.4	145.5
All counties	6,327.4	774.8	176.7	598.1	5,552.6	1,734.6	3,818.0

Table 17. — *Growing-stock volume on commercial forest land by species and diameter classes, Ouachita region, 19*

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:											
Southern pines	1,906.7	213.6	346.5	467.8	377.7	240.8	144.7	70.8	28.4	16.4	...
Other softwoods	16.8	2.9	4.2	4.0	1.8	.8	.3	.2	.7	1.9	...
Total	1,923.5	216.5	350.7	471.8	379.5	241.6	145.0	71.0	29.1	18.3	...
Hardwood:											
Select white oaks ¹	217.9	54.3	43.7	33.2	31.0	21.6	15.2	11.1	4.8	3.0	...
Select red oaks ²	67.7	8.3	12.8	13.0	10.1	9.6	7.0	3.6	.8	2.0	0.5
Other white oaks	193.7	41.1	38.3	30.4	26.5	26.3	14.7	6.2	7.7	2.5	...
Other red oaks	134.4	21.3	20.4	20.7	20.3	17.1	14.5	10.2	4.8	4.6	.5
Hickory	110.1	26.8	28.9	20.0	13.1	10.5	5.7	2.2	2.3	.6	...
Sweetgum	122.8	13.5	18.8	25.9	31.8	19.2	6.0	4.6	1.0	2.0	...
Tupelo and blackgum	43.1	5.1	5.2	4.4	8.7	6.4	7.9	2.0	3.0	.4	...
Maple	5.7	2.4	.7	1.0	.5	.8	...	.3	...	...	...
Beech	...	...	...	...	...	...	...	...	...	...	...
Ash	16.0	3.1	3.9	3.5	3.1	.9	1.0	.5	...	...	...
Other hardwoods	65.5	17.2	13.9	15.0	6.9	4.2	2.5	2.1	1.1	2.6	...
Total	976.9	193.1	186.6	167.1	152.0	116.6	74.5	42.8	25.5	17.7	1.0
All species	2,900.4	409.6	537.3	638.9	531.5	358.2	219.5	113.8	54.6	36.0	1.0

¹ Includes white, swamp chestnut, chinkapin, Durand, swamp white, and bur oaks.

² Includes northern red, cherrybark, and Shumard oaks.

Table 18. — *Growing-stock volume on commercial forest land by species and diameter classes, Delta region, 196*

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:											
Southern pines	76.2	11.7	9.6	14.2	9.7	8.6	6.4	5.9	5.1	5.0	...
Other softwoods	94.0	1.3	2.4	2.9	2.5	4.4	3.5	4.8	5.5	16.3	50.4
Total	170.2	13.0	12.0	17.1	12.2	13.0	9.9	10.7	10.6	21.3	50.4
Hardwood:											
Select white oaks ¹	84.8	4.7	12.0	14.3	14.1	12.1	9.5	5.5	3.9	7.1	1.6
Select red oaks ²	68.6	2.9	3.9	5.1	13.8	8.7	8.9	7.9	5.3	10.7	1.4
Other white oaks	232.2	15.4	20.9	25.9	30.0	28.7	25.7	24.8	21.1	33.1	6.6
Other red oaks	304.8	24.7	29.0	37.7	38.2	38.2	31.8	26.5	19.7	42.8	16.2
Hickory	214.5	17.6	20.0	29.5	22.6	24.4	24.8	16.3	12.1	39.5	7.7
Sweetgum	139.0	11.7	15.3	17.0	19.3	18.2	14.3	10.2	4.6	18.1	10.3
Tupelo and blackgum	49.7	1.9	2.4	2.8	2.7	3.4	3.8	5.1	6.4	17.2	4.0
Maple	19.2	1.2	2.1	1.1	3.5	1.0	2.6	2.4	1.5	3.4	.4
Beech	8.1	...	.2	.3	.4	.4	1.7	.4	1.4	3.3	...
Ash	95.5	10.1	11.5	13.0	9.0	11.2	7.7	9.5	8.0	13.7	1.8
Other hardwoods	556.3	48.0	51.6	60.7	64.3	84.4	78.5	53.3	44.2	62.9	8.4
Total	1,772.7	138.2	168.9	207.4	217.9	230.7	209.3	161.9	128.2	251.8	58.4
All species	1,942.9	151.2	180.9	224.5	230.1	243.7	219.2	172.6	138.8	273.1	108.8

¹ Includes white, swamp chestnut, chinkapin, Durand, swamp white, and bur oaks.

² Includes northern red, cherrybark, and Shumard oaks.

Table 19. — *Sawtimber volume on commercial forest land by species and diameter classes, Ouachita region, 1969*

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
<i>— Million board feet —</i>									
Softwood:									
Southern pines	6,497.3	1,829.6	1,864.9	1,301.9	818.5	416.7	166.0	99.7	...
Other softwoods	35.8	8.5	5.9	3.4	1.6	1.2	4.0	11.2	...
Total	6,533.1	1,838.1	1,870.8	1,305.3	820.1	417.9	170.0	110.9	...
Hardwood:									
Select white oaks ¹	374.8	...	123.1	92.2	67.8	51.3	24.4	16.0	...
Select red oaks ²	141.3	...	36.4	40.1	31.2	15.8	4.6	11.2	2.0
Other white oaks	356.8	...	98.8	113.1	68.0	30.0	36.7	10.2	...
Other red oaks	299.4	...	72.8	70.9	66.7	46.3	21.2	19.6	1.9
Hickory	149.3	...	49.9	46.8	26.9	11.0	13.4	1.3	...
Sweetgum	257.0	...	111.4	82.9	27.1	21.5	5.2	8.9	...
Tupelo and blackgum	119.4	...	30.2	27.1	35.4	11.0	12.8	2.9	...
Maple	6.5	...	2.0	3.1	...	1.4	...	...	...
Beech	...	...	...	...	...	...	...	...	...
Ash	23.8	...	11.3	4.5	5.2	2.8	...	...	...
Other Hardwoods	82.0	...	25.1	20.1	10.5	8.7	5.3	12.3	...
Total	1,810.3	...	561.0	500.8	338.8	199.8	123.6	82.4	3.9
All species	8,343.4	1,838.1	2,431.8	1,806.1	1,158.9	617.7	293.6	193.3	3.9

¹ Includes white, swamp chestnut, chinkapin, Durand, swamp white, and bur oaks.

² Includes northern red, cherrybark, and Shumard oaks.

Table 20. — *Sawtimber volume on commercial forest land by species and diameter classes, Delta region, 1969*

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
<i>— Million board feet —</i>									
Softwood:									
Southern pines	271.9	47.1	45.6	45.8	34.7	36.2	30.5	32.0	...
Other softwoods	502.9	8.7	8.7	20.8	20.5	25.3	30.1	93.6	295.2
Total	774.8	55.8	54.3	66.6	55.2	61.5	60.6	125.6	295.2
Hardwood:									
Select white oaks ¹	225.6	...	54.1	49.6	42.0	24.8	17.0	29.0	9.1
Select red oaks ²	244.7	...	44.4	37.7	41.8	34.5	25.7	53.4	7.2
Other white oaks	744.3	...	104.8	117.5	114.8	112.1	100.0	163.7	31.4
Other red oaks	931.2	...	136.6	158.1	139.4	119.7	88.4	207.7	81.3
Hickory	676.5	...	82.9	101.6	110.1	75.1	60.7	204.6	41.5
Sweetgum	444.0	...	70.6	79.6	66.8	50.8	23.7	102.8	49.7
Tupelo and blackgum	176.9	...	7.5	14.1	17.2	21.7	26.0	73.3	17.1
Maple	65.0	...	12.1	3.9	11.6	10.6	8.1	16.9	1.8
Beech	35.8	...	1.5	1.6	7.6	1.8	7.7	15.6	...
Ash	265.0	...	29.2	45.3	36.1	42.0	38.0	67.8	6.6
Other hardwoods	1,743.6	...	224.2	357.7	349.1	256.5	210.7	306.2	39.2
Total	5,552.6	...	767.9	966.7	936.5	749.6	606.0	1,241.0	284.9
All species	6,327.4	55.8	822.2	1,033.3	991.7	811.1	666.6	1,366.6	580.1

¹ Includes white, swamp chestnut, chinkapin, Durand, swamp white, and bur oaks.

² Includes northern red, cherrybark, and Shumard oaks.

Table 21. — *Average volume per acre of growing stock and sawtimber on commercial forest land by species group and ownership class, Ouachita region, 1969*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	— — — — Cubic feet — — — —			— — — — Board feet — — — —		
National forest	995	753	242	3,023	2,593	430
Other public	434	68	366	999	173	826
Forest industry	1,051	798	253	3,388	2,972	416
Farmer	628	256	372	1,434	712	722
Misc. private	726	361	365	1,760	1,051	709
All ownerships	874	580	294	2,513	1,968	545

Table 22. — *Average volume per acre of growing stock and sawtimber on commercial forest land by species group and ownership class, Delta region, 1969*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	— — — — Cubic feet — — — —			— — — — Board feet — — — —		
National forest	1,346	38	1,308	4,115	225	3,890
Other public	1,460	196	1,264	5,576	984	4,592
Forest industry	1,274	81	1,193	4,756	480	4,276
Farmer	849	63	786	2,571	270	2,301
Misc. private	849	82	767	2,466	314	2,152
All ownerships	984	86	898	3,203	392	2,811