U.S. Department of Agriculture
Forest Service
Resource Bulletin SO-71

Forest Statistics For Arkansas Delta Counties

T. RICHARD QUICK
and
MARY S. HEDLUND

Southern Forest Experiment Station

NEW
SOUTHERN STATION
PUBLICATION

DISTRIBUTION B

1979

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T. RICHARD QUICK and MARY S. HEDLUND

These tables were derived from data obtained during a 1978 inventory of 21 counties comprising the North and South Delta Units of Arkansas (fig. 1). Forest area was estimated from aerial photos with an adjustment for ground truth at selected locations. Sample plots were systematically established at three-mile intervals using a grid oriented roughly N-S and E-W. At each location, prism sample points were distributed over approximately 1 acre. Volume estimates were based on measurement of trees selected at these sample points.

The sampling methods were developed to provide suitable state estimates. Estimates for smaller areas are presented but sampling error increases as the area considered declines. Sampling errors given in table 1 are based on one standard deviation or a probability of two chances out of three. To estimate the sampling error for a combination of counties one can use the following:

$$SE_G = \frac{SE_T \sqrt{X_T}}{\sqrt{X_G}}$$

where:

SE = Sampling error
X = variable of interest (area, volume)
G = group of counties to be combined
T = total for the unit

Sampling errors for estimates of the principal timber species are shown in table 2.

Because of differences in standards of tree measurements, direct comparisons between these data and the 1969 inventory are invalid. In table 3, changes between the two surveys are summarized in terms of current measurement standards.

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Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.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 dealth or serious deterioration before rotation age.

Table 1.--*Sampling errors*[1] *for forest land and timber volume, 1978*

County	Commercial forest land	Growing stock	Sawtimber
		Percent	
Arkansas	2	9	12
Chicot	2	19	28
Clay	2	26	40
Craighead	1	20	21
Crittenden	1	30	40
Cross	2	35	46
Desha	2	13	19
Greene	1	13	18
Jackson	2	18	42
Jefferson	2	12	18
Lawrence	2	20	31
Lee	2	15	20
Lincoln	3	14	19
Lonoke	1	14	23
Mississippi	1	24	25
Monroe	3	8	10
Phillips	2	15	21
Poinsett	1	15	21
Prairie	2	16	22
St. Francis	2	32	35
Woodruff	2	14	17
All Counties	0.4	3.5	5.0

[1] By random-sampling formula.

T. Richard Quick is Supervisory Forester and Mary S. Hedlund is Mathematician, Southern Forest Experiment Station, Forest Service — USDA, New Orleans, Louisiana.

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.

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 its suitability for growing certain species groups—pine, upland hardwood, or bottomland hardwood.

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.

Site class.—A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

Stand-size class.—A classification of forest land based on the size class of growing-stock trees on the area; that is, sawtimber, poletimber, or sapling and seedling.

Table 2.--*Sampling errors for timber volume by species, 1978*

Species	Growing-stock	Sawtimber
	- - - - - -*Percent*- - - - -	
Softwood:		
Shortleaf pine	28	32
Loblolly pine	25	30
Redcedar	72	100
Cypress	22	25
Total	14.7	17.3
Hardwood:		
Select white oaks	15	16
Select red oaks	15	16
Other white oaks	9	11
Other red oaks	8	10
Sweet pecan	23	26
Water hickory	13	17
Other hickories	13	18
Persimmon	20	35
Hard maple	66	100
Soft maple	22	27
Boxelder	30	39
Beech	58	57
Sweetgum	14	17
Blackgum	30	40
Other gum	41	47
White ash	30	32
Other ashes	16	21
Sycamore	27	32
Cottonwood	31	37
Yellow-poplar	48	57
Willow	31	35
Black cherry	60	100
American elm	12	15
Other elms	16	21
River birch	59	64
Hackberry	13	15
Other locusts	28	28
Sassafras	64	100
Dogwood	60	...
Other commercial	44	100
Total	3.8	5.4
All species	3.5	5.0

Table 3.--*Change*[1] *in forest resource since 1969*

Item	Change
	- - - *Percent* - - -
Commercial forest land	- 8
Growing-stock volume:	
Softwood	+15
Hardwood	- 2
All species	(2)
Sawtimber volume:	
Softwood	+14
Hardwood	(2)
All species	+ 2

[1]Based on current measurement standards.
[2]Negligible.

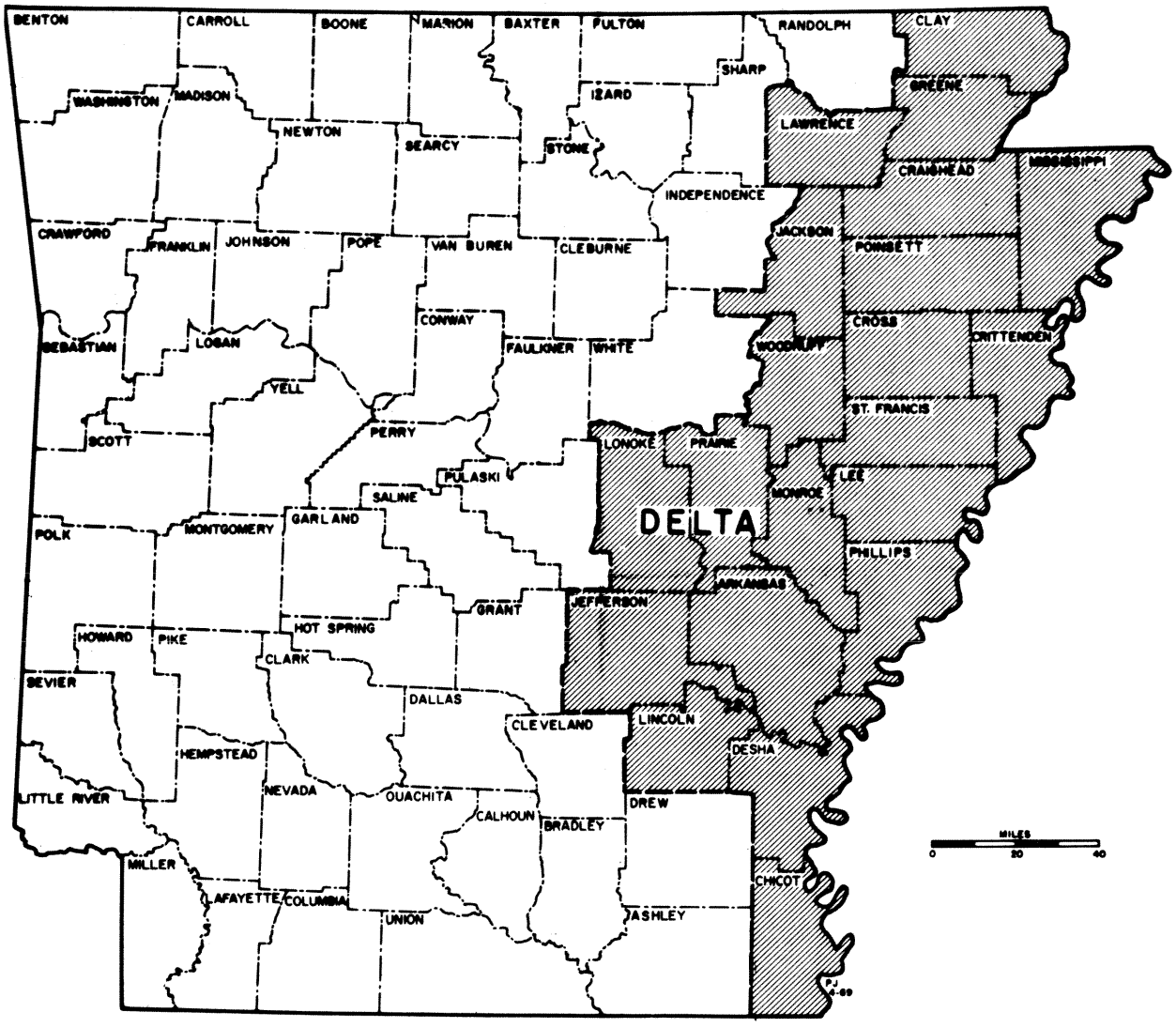

Figure 1.— *The Delta forest survey region of Arkansas.*

Table 4.--*Total area, commercial forest land, and proportion of total area, 1978*

County	Total area[1]	Commercial Forest	
		Area	Proportion
	- - Thousand acres - - -		*- - Percent - -*
Arkansas	666.9	207.9	31
Chicot	437.1	67.2	15
Clay	409.6	68.4	17
Craighead	458.9	47.3	10
Crittenden	414.7	35.5	9
Cross	400.6	40.0	10
Desha	515.2	154.0	30
Greene	370.6	50.4	14
Jackson	407.7	53.2	13
Jefferson	580.5	214.2	37
Lawrence	378.9	84.0	22
Lee	403.2	88.5	22
Lincoln	364.8	133.4	37
Lonoke	512.7	78.0	15
Mississippi	596.5	20.8	3
Monroe	394.9	145.6	37
Phillips	465.9	87.6	19
Poinsett	487.7	41.8	9
Prairie	435.8	76.5	18
St. Francis	408.3	62.7	15
Woodruff	379.5	68.6	18
All counties	9,490.0	1,825.6	19

[1]United States Bureau of the Census, Land and Water area of the United States.

Table 5.--*Commercial forest land by ownership class, 1978*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
	- - - - - - - - - - Thousand acres - - - - - - - - - -					
Arkansas	207.9	...	79.5	...	58.5	69.9
Chicot	67.2	...	...	25.2	26.0	16.0
Clay	68.4	...	13.4	15.2	30.4	9.4
Craighead	47.3	...	7.0	...	8.6	31.7
Crittenden	35.5	...	3.6	7.1	14.2	10.6
Cross	40.0	...	.1	...	16.0	23.9
Desha	154.0	...	19.1	84.0	43.4	7.5
Greene	50.0	...	1.3	...	8.4	40.7
Jackson	53.2	...	...	...	7.6	45.6
Jefferson	214.2	...	16.2	45.9	21.1	131.0
Lawrence	84.0	...	10.4	...	36.0	37.6
Lee	88.5	9.8	...	5.9	30.5	42.3
Lincoln	133.4	...	.2	29.0	18.0	86.2
Lonoke	78.0	...	...	...	26.8	51.2
Mississippi	20.8	...	14.5	...	...	6.3
Monroe	145.6	...	23.9	46.8	32.2	42.7
Phillips	87.6	8.6	8.9	7.3	15.1	47.7
Poinsett	41.8	...	13.2	...	15.2	13.4
Prairie	76.5	...	12.9	5.1	26.3	32.2
St. Francis	62.7	...	4.0	...	28.5	30.2
Woodruff	68.6	...	3.9	...	24.5	40.2
All counties	1,825.6	18.4	232.1	271.5	487.3	816.3

Table 6.--*Commercial forest land by forest type, 1978*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Thousand acres			
Arkansas	207.9	...	...	50.4	138.6	18.9
Chicot	67.2	...	...	4.2	46.2	16.8
Clay	68.4	...	...	15.2	53.2	...
Craighead	47.3	...	...	17.2	25.8	4.3
Crittenden	35.5	...	...	...	14.2	21.3
Cross	40.0	...	...	16.0	16.0	8.0
Desha	154.0	...	...	...	119.0	35.0
Greene	50.4	...	4.2	33.6	8.4	4.2
Jackson	53.2	...	...	30.4	22.8	...
Jefferson	214.2	51.0	30.6	45.9	76.5	10.2
Lawrence	84.0	...	6.0	42.0	36.0	...
Lee	88.5	...	...	11.8	70.8	5.9
Lincoln	133.4	17.4	5.8	69.6	34.8	5.8
Lonoke	78.0	...	...	26.0	52.0	...
Mississippi	20.8	...	...	...	10.4	10.4
Monroe	145.6	...	10.4	10.4	124.8	...
Phillips	87.6	...	...	14.6	65.7	7.3
Poinsett	41.8	...	...	15.2	19.0	7.6
Prairie	76.5	...	...	20.4	56.1	...
St. Francis	62.7	...	...	11.4	51.3	...
Woodruff	68.6	...	...	...	68.6	...
All counties	1,825.6	68.4	57.0	434.3	1,110.2	155.7

Table 7.--*Commercial forest land by stand-size class, 1978*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Thousand acres		
Arkansas	207.9	163.8	18.9	18.9	6.3
Chicot	67.2	29.4	29.4	4.2	4.2
Clay	68.4	22.8	15.2	30.4	...
Craighead	47.3	17.2	12.9	8.6	8.6
Crittenden	35.5	21.3	14.2	...	...
Cross	40.0	32.0	8.0	...	...
Desha	154.0	126.0	21.0	7.0	...
Greene	50.4	37.8	4.2	8.4	...
Jackson	53.2	15.2	30.4	7.6	...
Jefferson	214.2	96.9	61.2	51.0	5.1
Lawrence	84.0	24.0	36.0	24.0	...
Lee	88.5	76.7	5.9	...	5.9
Lincoln	133.4	52.2	46.4	34.8	...
Lonoke	78.0	32.5	39.0	6.5	...
Mississippi	20.8	10.4	5.2	5.2	...
Monroe	145.6	114.4	31.2	...	...
Phillips	87.6	65.7	21.9	...	...
Poinsett	41.8	22.8	19.0	...	...
Prairie	76.5	45.9	20.4	10.2	...
St. Francis	62.7	28.5	...	28.5	5.7
Woodruff	68.6	44.1	24.5	...	...
All counties	1,825.6	1,079.6	464.9	245.3	35.8

Table 8.--*Commercial forest land by site class, 1978*

County	All classes	165 ft.^{3} or more	120-165 ft.^{3}	85-120 ft.^{3}	50-85 ft.^{3}	Less than 50 ft.^{3}
	Thousand acres					
Arkansas	207.9	6.3	31.5	100.8	56.7	12.6
Chicot	67.2	8.4	16.8	16.8	16.8	8.4
Clay	68.4	...	7.6	38.6	22.8	...
Craighead	47.3	...	4.3	17.2	21.5	4.3
Crittenden	35.5	21.3	7.1	...	7.1	...
Cross	40.0	...	8.0	...	32.0	...
Desha	154.0	14.0	28.0	70.0	42.0	...
Greene	50.4	...	...	8.4	29.4	12.6
Jackson	53.2	...	...	7.6	38.0	7.6
Jefferson	214.2	5.1	10.2	112.2	86.7	...
Lawrence	84.0	...	...	18.0	60.0	6.0
Lee	88.5	11.8	35.4	23.6	17.7	...
Lincoln	133.4	...	5.8	69.6	58.0	...
Lonoke	78.0	...	...	6.5	52.0	...
Mississippi	20.8	...	5.2	5.2	...	10.4
Monroe	145.6	10.4	15.6	57.2	57.2	5.2
Phillips	87.6	14.6	7.3	21.9	43.8	...
Poinsett	41.8	...	15.2	19.0	...	7.6
Prairie	76.5	5.1	...	15.3	30.6	25.5
St. Francis	62.7	...	17.1	17.1	28.5	...
Woodruff	68.6	...	...	29.4	39.2	...
All counties	1,825.6	97.0	215.1	653.8	740.0	119.7

Table 9.--*Commercial forest land by physiographic site class, 1978*

Counties	All sites	Pine	Upland hardwood	Bottomland hardwood
	Thousand acres			
Arkansas	207.9	...	50.4	157.5
Chicot	67.2	...	4.2	63.0
Clay	68.4	...	15.2	53.2
Craighead	47.3	...	17.2	30.1
Crittenden	35.5	...	...	35.5
Cross	40.0	8.0	8.0	24.0
Desha	154.0	...	...	154.0
Greene	50.4	21.0	16.8	12.6
Jackson	53.2	...	30.4	22.8
Jefferson	214.2	127.5	...	86.7
Lawrence	84.0	...	48.0	36.0
Lee	88.5	...	11.8	76.7
Lincoln	133.4	92.8	...	40.6
Lonoke	78.0	...	26.0	52.0
Mississippi	20.8	...	...	20.8
Monroe	145.6	15.6	5.2	124.8
Phillips	87.6	...	14.6	73.0
Poinsett	41.8	...	15.2	26.6
Prairie	76.5	10.2	10.2	56.1
St. Francis	62.7	...	11.4	51.3
Woodruff	68.6	...	...	68.6
All counties	1,825.6	275.1	284.6	1,265.9

Table 10.--*Cordage of growing stock on commercial forest land by species group, 1978*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Thousand cords							
Arkansas	3,536	321	...	321	3,215	1,355	263	1,597
Chicot	1,078	...	...	...	1,078	158	39	881
Clay	1,190	...	...	...	1,190	469	136	585
Craighead	438	75	...	75	363	215	40	108
Crittenden	825	3	...	3	822	...	6	816
Cross	567	...	...	...	567	302	13	252
Desha	2,604	225	...	225	2,379	210	215	1,954
Greene	729	96	92	4	633	369	93	171
Jackson	613	...	...	...	613	427	22	164
Jefferson	3,398	1,141	969	172	2,257	1,115	181	961
Lawrence	729	16	...	16	713	576	69	68
Lee	2,004	25	...	25	1,979	619	182	1,179
Lincoln	1,814	553	497	56	1,261	734	163	364
Lonoke	890	9	...	9	881	512	204	165
Mississippi	240	68	...	68	172	9	6	157
Monroe	3,559	408	94	314	3,151	1,172	434	1,545
Phillips	1,414	7	...	7	1,407	567	203	637
Poinsett	717	17	...	17	700	462	28	210
Prairie	1,472	87	...	87	1,385	664	324	397
St. Francis	660	11	...	11	649	341	90	218
Woodruff	1,196	111	...	111	1,085	491	116	478
All counties	29,673	3,173	1,652	1,521	26,500	10,767	2,827	12,906

Table 11.--*Growing-stock volume on commercial forest land by species group, 1978*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Million cubic feet							
Arkansas	239.5	24.1	•••	24.1	215.4	90.8	17.6	107.0
Chicot	72.2	•••	•••	•••	72.2	10.6	2.6	59.0
Clay	79.7	•••	•••	•••	79.7	31.4	9.1	39.2
Craighead	29.9	5.6	•••	5.6	24.3	14.4	2.7	7.2
Crittenden	55.3	.2	•••	.2	55.1	•••	.4	54.7
Cross	38.0	•••	•••	•••	38.0	20.2	.9	16.9
Desha	176.3	16.9	•••	16.9	159.4	14.1	14.4	130.9
Greene	49.6	7.2	6.9	.3	42.4	24.7	6.2	11.5
Jackson	41.1	•••	•••	•••	41.1	28.6	1.5	11.0
Jefferson	236.8	85.6	72.7	12.9	151.2	74.7	12.1	64.4
Lawrence	49.0	1.2	•••	1.2	47.8	38.6	4.6	4.6
Lee	134.5	1.9	•••	1.9	132.6	41.5	12.2	78.9
Lincoln	126.0	41.5	37.3	4.2	84.5	49.2	10.9	24.4
Lonoke	59.7	.7	•••	.7	59.0	34.3	13.7	11.0
Mississippi	16.6	5.1	•••	5.1	11.5	.6	.4	10.5
Monroe	241.7	30.6	7.0	23.6	211.1	78.5	29.1	103.5
Phillips	94.8	.5	•••	.5	94.3	38.0	13.6	42.7
Poinsett	48.2	1.3	•••	1.3	46.9	30.9	1.9	14.1
Prairie	99.3	6.5	•••	6.5	92.8	44.5	21.7	26.6
St. Francis	44.3	.8	•••	.8	43.5	22.9	6.0	14.6
Woodruff	81.0	8.3	•••	8.3	72.7	32.9	7.8	32.0
All counties	2,013.5	238.0	123.9	114.1	1,775.5	721.4	189.4	864.7

Table 12.--*Sawtimber volume on commercial forest land by species group, 1978*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Million board feet							
Arkansas	1,061.5	128.6	...	128.6	932.9	409.1	91.9	431.9
Chicot	268.7	...	...	...	268.7	47.5	9.2	212.0
Clay	251.5	...	...	...	251.5	98.9	24.1	128.5
Craighead	88.8	25.1	...	25.1	63.7	35.2	.7	27.8
Crittenden	243.1	...	...	...	243.1	...	...	243.1
Cross	139.2	...	...	...	139.2	79.1	1.8	58.3
Desha	697.9	93.8	...	93.8	604.1	60.3	63.8	480.0
Greene	164.2	31.7	31.0	.7	132.5	87.3	17.8	27.4
Jackson	101.1	...	...	...	101.1	65.4	4.4	31.3
Jefferson	869.0	340.9	287.7	53.2	528.1	234.5	27.6	266.0
Lawrence	137.3	1.2	...	1.2	136.1	117.0	12.5	6.6
Lee	564.9	9.4	...	9.4	555.5	200.9	33.1	321.5
Lincoln	403.2	157.5	149.9	7.6	245.7	158.4	25.1	62.2
Lonoke	183.0	3.8	...	3.8	179.2	125.5	33.7	20.0
Mississippi	60.1	25.2	...	25.2	34.9	2.9	1.6	30.4
Monroe	951.0	155.2	20.0	135.2	795.8	340.0	80.0	375.8
Phillips	347.4	2.2	...	2.2	345.2	146.6	55.2	143.4
Poinsett	160.9	8.2	...	8.2	152.7	106.1	4.4	42.2
Prairie	393.6	36.8	...	36.8	356.8	169.5	96.0	91.3
St. Francis	165.4	3.5	...	3.5	161.9	103.1	21.1	37.7
Woodruff	254.1	37.6	...	37.6	216.5	121.5	20.7	74.3
All counties	7,505.9	1,060.7	488.6	572.1	6,445.2	2,708.8	624.7	3,111.7

Table 13.--*Sawtimber volume on commercial forest land by species group and diameter class, 1978*

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
	Million board feet						
Arkansas	1,061.5	128.6	...	128.6	932.9	198.3	734.6
Chicot	268.7	...	...	...	268.7	57.7	211.0
Clay	251.5	...	...	...	251.5	81.7	169.8
Craighead	88.8	25.1	3.5	21.6	63.7	15.3	48.4
Crittenden	243.1	...	...	...	243.1	33.5	209.6
Cross	139.2	...	...	...	139.2	55.1	84.1
Desha	697.9	93.8	3.9	89.9	604.1	159.3	444.8
Greene	164.2	31.7	27.4	4.3	132.5	74.0	58.5
Jackson	101.1	...	...	...	101.1	26.8	74.3
Jefferson	869.0	340.9	233.0	107.9	528.1	182.4	345.7
Lawrence	137.3	1.2	1.2	...	136.1	45.0	91.1
Lee	564.9	9.4	...	9.4	555.5	116.8	438.7
Lincoln	403.2	157.5	97.5	60.0	245.7	95.3	150.4
Lonoke	183.0	3.8	...	3.8	179.2	79.3	99.9
Mississippi	60.1	25.2	...	25.2	34.9	14.6	20.3
Monroe	951.0	155.2	25.7	129.5	795.8	196.0	599.8
Phillips	347.4	2.2	...	2.2	345.2	110.2	235.0
Poinsett	160.9	8.2	...	8.2	152.7	44.1	108.6
Prairie	393.6	36.8	...	36.8	356.8	120.5	236.3
St. Francis	165.4	3.5	1.4	2.1	161.9	48.9	113.0
Woodruff	254.1	37.6	16.3	21.3	216.5	83.6	132.9
All counties	7,505.9	1,060.7	409.9	650.8	6,445.2	1,838.4	4,606.8

Table 14.--*Growing-stock volume of softwoods on commercial forest land by forest type, 1978*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
	Million cubic feet					
Arkansas	24.1	...	...	...	24.1	...
Chicot	...	...	...	...	...	...
Clay	...	...	...	...	...	...
Craighead	5.6	...	...	...	3.6	2.0
Crittenden	.2	...	...	...	...	.2
Cross	...	...	...	...	...	...
Desha	16.9	...	...	...	16.9	...
Greene	7.2	...	3.7	3.2	...	.3
Jackson	...	...	...	...	...	...
Jefferson	85.6	43.3	21.2	8.2	12.9	...
Lawrence	1.2	...	.8	.4	...	...
Lee	1.9	...	...	...	1.9	...
Lincoln	41.5	27.8	2.0	7.5	3.0	1.2
Lonoke	.7	...	...	...	.7	...
Mississippi	5.1	...	...	...	4.1	1.0
Monroe	30.6	...	5.6	1.4	23.6	...
Phillips	.5	...	...	...	.5	...
Poinsett	1.3	...	...	...	...	1.3
Prairie	6.5	...	...	...	6.5	...
St. Francis	.8	...	...	...	.8	...
Woodruff	8.3	...	...	...	8.3	...
All counties	238.0	71.1	33.3	20.7	106.9	6.0

Table 15.--*Growing-stock volume of hardwoods on commercial forest land by forest type, 1978*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
	Million cubic feet					
Arkansas	215.4	...	...	51.5	148.9	15.0
Chicot	72.2	...	...	1.6	55.4	15.2
Clay	79.7	...	...	5.6	74.1	...
Craighead	24.3	...	...	6.8	16.1	1.4
Crittenden	55.1	...	...	...	10.1	45.0
Cross	38.0	...	...	25.4	9.4	3.2
Desha	159.4	...	...	...	122.4	37.0
Greene	42.4	...	4.1	26.0	8.3	4.0
Jackson	41.1	...	...	17.0	24.1	...
Jefferson	151.2	5.5	18.1	43.1	61.0	23.5
Lawrence	47.8	...	1.7	19.9	26.2	...
Lee	132.6	...	...	19.9	90.3	22.4
Lincoln	84.5	2.2	1.2	39.7	34.2	7.2
Lonoke	59.0	...	...	18.9	40.1	...
Mississippi	11.5	...	...	...	7.6	3.9
Monroe	211.1	...	8.9	8.3	193.9	...
Phillips	94.3	...	...	27.6	59.7	7.0
Poinsett	46.9	...	...	13.4	27.3	6.2
Prairie	92.8	...	...	19.5	73.3	...
St. Francis	43.5	...	...	1.3	42.2	...
Woodruff	72.7	...	...	...	72.7	...
All counties	1,775.5	7.7	34.0	345.5	1,197.3	191.0

Table 16.--*Sawtimber volume of softwoods on commercial forest land by forest type, 1978*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million board feet			
Arkansas	128.6	...	...	...	128.6	...
Chicot	...	...	...	...	...	...
Clay	...	...	...	...	...	...
Craighead	25.1	...	...	...	14.8	10.3
Crittenden	...	...	...	...	...	...
Cross	...	...	...	...	...	...
Desha	93.8	...	...	...	93.8	...
Greene	31.7	...	18.3	12.7	...	.7
Jackson	...	...	...	...	...	...
Jefferson	340.9	167.5	85.1	35.1	53.2	...
Lawrence	1.2	...	1.2	...	...	...
Lee	9.4	...	...	...	9.4	...
Lincoln	157.5	116.7	1.6	31.6	2.1	5.5
Lonoke	3.8	...	...	...	3.8	...
Mississippi	25.2	...	...	...	18.9	6.3
Monroe	155.2	...	12.9	7.1	135.2	...
Phillips	2.2	...	...	...	2.2	...
Poinsett	8.2	...	...	...	...	8.2
Prairie	36.8	...	...	...	36.8	...
St. Francis	3.5	...	...	...	3.5	...
Woodruff	37.6	...	...	...	37.6	...
All counties	1,060.7	284.2	119.1	86.5	539.9	31.0

Table 17.--*Sawtimber volume of hardwoods on commercial forest land by forest type, 1978*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million board feet			
Arkansas	932.9	...	...	197.3	662.3	73.3
Chicot	268.7	...	...	7.3	235.6	25.8
Clay	251.5	...	...	7.4	244.1	...
Craighead	63.7	...	...	10.9	48.0	4.8
Crittenden	243.1	...	...	...	30.9	212.2
Cross	139.2	...	...	102.2	33.4	3.6
Desha	604.1	...	...	...	474.0	130.1
Greene	132.5	...	11.0	84.2	28.7	8.6
Jackson	101.1	...	...	25.2	75.9	...
Jefferson	528.1	9.9	48.7	96.9	222.2	150.4
Lawrence	136.1	...	4.8	41.4	89.9	...
Lee	555.5	...	...	85.0	354.0	116.5
Lincoln	245.7	3.8	3.5	106.9	111.9	19.6
Lonoke	179.2	...	...	49.1	130.1	...
Mississippi	34.9	...	...	...	17.0	17.9
Monroe	795.8	...	28.7	29.3	737.8	...
Phillips	345.2	...	...	120.6	217.7	6.9
Poinsett	152.7	...	...	38.1	87.2	27.4
Prairie	356.8	...	...	68.6	288.2	...
St. Francis	161.9	...	...	1.2	160.7	...
Woodruff	216.5	...	...	...	216.5	...
All counties	6,445.2	13.7	96.7	1,071.6	4,466.1	797.1

Table 18.--*Growing-stock volume of softwoods on commercial forest land by stand-size class, 1978*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million cubic feet				
Arkansas	24.1	24.1	...	...	...
Chicot	...	...	...	...	...
Clay	...	...	...	...	...
Craighead	5.6	4.7	...	...	0.9
Crittenden	.2	.2	...	...	...
Cross	...	...	...	...	...
Desha	16.9	16.9	...	...	...
Greene	7.2	5.9	.6	.7	...
Jackson	...	...	...	...	...
Jefferson	85.6	65.6	16.8	2.6	.6
Lawrence	1.2	...	1.2	...	...
Lee	1.9	.7	1.2	...	...
Lincoln	41.5	25.5	13.8	2.2	...
Lonoke	.7	...	.7	...	...
Mississippi	5.1	4.1	...	1.0	...
Monroe	30.6	25.9	4.7	...	...
Phillips	.5	.5	...	...	...
Poinsett	1.3	1.3	...	...	...
Prairie	6.5	4.9	1.6	...	...
St. Francis	.8	.8	...	...	...
Woodruff	8.3	8.3	...	...	...
All counties	238.0	189.4	40.6	6.5	1.5

Table 19.--*Growing-stock volume of hardwoods on commercial forest land by stand-size class, 1978*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million cubic feet				
Arkansas	215.4	192.3	15.5	7.6	...
Chicot	72.2	48.6	22.0	1.6	...
Clay	79.7	48.8	18.5	12.4	...
Craighead	24.3	9.4	12.1	1.7	1.1
Crittenden	55.1	43.8	11.3	...	...
Cross	38.0	34.8	3.2	...	...
Desha	159.4	139.7	18.1	1.6	...
Greene	42.4	37.8	1.2	3.4	...
Jackson	41.1	17.0	23.6	.5	...
Jefferson	151.2	94.2	51.2	4.8	1.0
Lawrence	47.8	24.9	20.2	2.7	...
Lee	132.6	126.1	6.5	...	...
Lincoln	84.5	49.9	31.2	3.4	...
Lonoke	59.0	29.9	28.8	.3	...
Mississippi	11.5	4.3	5.8	1.4	...
Monroe	211.1	180.6	30.5	...	...
Phillips	94.3	79.0	15.3	...	...
Poinsett	46.9	32.8	14.1	...	...
Prairie	92.8	72.0	18.5	2.3	...
St. Francis	43.5	37.2	...	5.8	.5
Woodruff	72.7	50.5	22.2	...	...
All counties	1,775.5	1,353.6	369.8	49.5	2.6

Table 20.--*Sawtimber volume of softwoods on commercial forest land by stand-size class, 1978*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million board feet				
Arkansas	128.6	128.6	...	...	...
Chicot	...	...	...	...	...
Clay	...	...	...	...	...
Craighead	25.1	20.4	...	...	4.7
Crittenden	...	...	...	...	...
Cross	...	...	...	...	...
Desha	93.8	93.8	...	...	...
Greene	31.7	27.6	1.9	2.2	...
Jackson	...	...	...	...	...
Jefferson	340.9	289.8	42.9	5.1	3.1
Lawrence	1.2	...	1.2	...	...
Lee	9.4	1.9	7.5	...	...
Lincoln	157.5	104.3	45.4	7.8	...
Lonoke	3.8	...	3.8	...	...
Mississippi	25.2	18.9	...	6.3	...
Monroe	155.2	143.8	11.4	...	...
Phillips	2.2	2.2	...	...	...
Poinsett	8.2	8.2	...	...	...
Prairie	36.8	29.1	7.7	...	...
St. Francis	3.5	3.5	...	...	...
Woodruff	37.6	37.6	...	...	...
All counties	1,060.7	909.7	121.8	21.4	7.8

Table 21.--*Sawtimber volume of hardwoods on commercial forest land by stand-size class, 1978*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million board feet				
Arkansas	932.9	894.2	31.1	7.6	...
Chicot	268.7	223.8	37.6	7.3	...
Clay	251.5	197.8	30.1	23.6	...
Craighead	63.7	30.1	22.3	6.9	4.4
Crittenden	243.1	211.2	31.9	...	...
Cross	139.2	135.6	3.6	...	...
Desha	604.1	575.9	22.6	5.6	...
Greene	132.5	124.2	3.6	4.7	...
Jackson	101.1	74.8	26.3	...	...
Jefferson	528.1	436.4	80.4	6.0	5.3
Lawrence	136.1	91.4	34.8	9.9	...
Lee	555.5	544.1	11.4	...	...
Lincoln	245.7	182.4	57.9	5.4	...
Lonoke	179.2	126.0	53.2	...	...
Mississippi	34.9	19.8	9.6	5.5	...
Monroe	795.8	734.9	60.9	...	...
Phillips	345.2	317.1	28.1	...	...
Poinsett	152.7	126.9	25.8	...	...
Prairie	356.8	318.3	33.7	4.8	...
St. Francis	161.9	147.7	...	14.2	...
Woodruff	216.5	177.2	39.3	...	...
All counties	6,445.2	5,689.8	644.2	101.5	9.7

Table 22.--*Growing-stock volume on commercial forest land by physiographic site class and species group, 1978*

County	All sites	Pine		Upland hardwood		Bottomland hardwood	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Arkansas	239.5	...	...	...	51.5	24.1	163.9
Chicot	72.2	...	...	...	1.6	...	70.6
Clay	79.7	...	...	...	5.6	...	74.1
Craighead	29.9	...	...	...	6.8	5.6	17.5
Crittenden	55.3	...	...	...	...	.2	55.1
Cross	38.0	...	17.3	...	8.1	...	12.6
Desha	176.3	...	...	...	...	16.9	159.4
Greene	49.6	6.9	14.5	...	15.6	.3	12.3
Jackson	41.1	...	...	...	17.0	...	24.1
Jefferson	236.8	72.7	66.7	...	...	12.9	84.5
Lawrence	49.0	...	...	1.2	21.6	...	26.2
Lee	134.5	...	...	...	19.9	1.9	112.7
Lincoln	126.0	37.3	43.1	...	...	4.2	41.4
Lonoke	59.7	...	...	...	18.9	.7	40.1
Mississippi	16.6	...	...	...	...	5.1	11.5
Monroe	241.7	7.0	14.6	...	2.6	23.6	193.9
Phillips	94.8	...	...	...	27.6	.5	66.7
Poinsett	48.2	...	...	...	13.4	1.3	33.5
Prairie	99.3	...	2.8	...	16.7	6.5	73.3
St. Francis	44.3	...	...	...	1.3	.8	42.2
Woodruff	81.0	...	...	...	...	8.3	72.7
All counties	2,013.5	123.9	159.0	1.2	228.2	112.9	1,388.3

Table 23.-- *Growing-stock volume of softwoods on commercial forest land by class of timber and tree section, 1978*

County	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
	Million cubic feet				
Arkansas	24.1	1.4	22.7	21.3	1.4
Chicot	...	...	...	...	...
Clay	...	...	...	...	...
Craighead	5.6	.4	5.2	4.8	.4
Crittenden	.2	.2	...	...	...
Cross	...	...	...	...	...
Desha	16.9	...	16.9	14.4	2.5
Greene	7.2	.5	6.7	5.9	.8
Jackson	...	...	...	...	...
Jefferson	85.6	20.2	65.4	61.0	4.4
Lawrence	1.2	.9	.3	.3	...
Lee	1.9	.3	1.6	1.6	...
Lincoln	41.5	10.2	31.3	28.8	2.5
Lonoke	.7	...	.7	.6	.1
Mississippi	5.1	...	5.1	5.1	...
Monroe	30.6	3.6	27.0	25.4	1.6
Phillips	.5	...	.5	.5	...
Poinsett	1.3	.1	1.2	1.1	.1
Prairie	6.5	.5	6.0	5.6	.4
St. Francis	.8	...	.8	.7	.1
Woodruff	8.3	...	8.3	7.4	.9
All counties	238.0	38.3	199.7	184.5	15.2

Table 24.-- *Growing-stock volume of hardwoods on commercial forest land by class of timber and tree section, 1978*

County	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
	Million cubic feet				
Arkansas	215.4	45.7	169.7	152.9	16.8
Chicot	72.2	21.5	50.7	43.0	7.7
Clay	79.7	30.3	49.4	41.8	7.6
Craighead	24.3	12.1	12.2	10.7	1.5
Crittenden	55.1	6.2	48.9	36.1	12.8
Cross	38.0	9.7	28.3	22.5	5.8
Desha	159.4	33.8	125.6	96.3	29.3
Greene	42.4	14.0	28.4	22.7	5.7
Jackson	41.1	19.7	21.4	16.5	4.9
Jefferson	151.2	53.0	98.2	83.6	14.6
Lawrence	47.8	19.6	28.2	22.8	5.4
Lee	132.6	25.5	107.1	88.1	19.0
Lincoln	84.5	32.4	52.1	41.8	10.3
Lonoke	59.0	24.1	34.9	30.9	4.0
Mississippi	11.5	4.7	6.8	5.9	.9
Monroe	211.1	52.5	158.6	132.6	26.0
Phillips	94.3	24.4	69.9	56.2	13.7
Poinsett	46.9	14.3	32.6	24.6	8.0
Prairie	92.8	23.9	68.9	59.6	9.3
St. Francis	43.5				
Woodruff	72.7	25.6	47.1	37.4	9.7
All counties	1,775.5	503.4	1,272.1	1,052.8	219.3

Table 25.--*Volume of timber on commercial forest land by class of timber and species group, 1978*

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Arkansas	277.3	24.1	215.4	...	25.4	...	12.4
Chicot	84.9	...	72.2	.2	6.2	...	6.3
Clay	89.7	...	79.7	...	6.0	...	4.0
Craighead	45.4	5.6	24.3	.3	11.5	.9	2.8
Crittenden	61.9	.2	55.1	...	6.0	...	.6
Cross	44.2	...	38.0	...	3.6	...	2.6
Desha	221.3	16.9	159.4	1.6	27.7	1.9	13.8
Greene	56.6	7.2	42.4	.3	4.6	...	2.1
Jackson	48.1	...	41.1	...	3.7	...	3.3
Jefferson	267.7	85.6	151.2	1.0	22.4	1.2	6.3
Lawrence	64.5	1.2	47.8	.3	8.6	...	6.6
Lee	152.8	1.9	132.6	...	8.0	...	10.3
Lincoln	143.3	41.5	84.5	.4	13.0	...	3.9
Lonoke	86.8	.7	59.0	...	18.4	1.5	7.2
Mississippi	20.0	5.1	11.5	...	3.0	...	.4
Monroe	261.6	30.6	211.1	...	12.1	.5	7.3
Phillips	110.3	.5	94.3	...	12.5	...	3.0
Poinsett	62.2	1.3	46.9	...	8.8	...	5.2
Prairie	110.4	6.5	92.8	...	6.2	...	4.9
St. Francis	59.8	.8	43.5	...	10.0	.3	5.2
Woodruff	97.3	8.3	72.7	...	10.7	.8	4.8
All counties	2,366.1	238.0	1,775.5	4.1	228.4	7.1	113.0

Table 26. --*Number of growing stock trees by species and diameter class, 1978*[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
	Thousand trees										
Softwood:											
Shortleaf pine	3,782	1,358	832	621	419	336	158	33	11	14	...
Loblolly pine	8,379	2,487	2,919	1,459	863	267	189	58	59	78	...
Redcedar	441	254	136	51	...	...	...	...	...	...	...
Cypress	3,112	586	624	338	485	227	218	198	82	162	192
Total	15,714	4,685	4,511	2,469	1,767	830	565	289	152	254	192
Hardwood:											
Select white oaks[2]	7,680	2,456	1,427	1,426	880	781	310	178	75	124	23
Select red oaks[3]	3,414	734	448	301	347	504	285	321	194	251	29
Other white oaks	20,003	7,225	4,432	2,808	1,784	1,298	740	677	428	553	58
Other red oaks	27,486	9,184	6,660	4,375	2,345	1,557	1,161	884	542	641	137
Sweet pecan	1,428	420	367	189	112	94	38	49	32	90	37
Water hickory	8,003	2,500	2,263	1,148	719	395	361	188	132	268	29
Other hickories	9.978	3,789	2,441	1,789	718	600	344	159	58	68	12
Persimmon	3,587	1,981	808	459	162	74	74	29	...	...	...
Hard maple	294	164	91	27	...	...	...	12	...	...	...
Soft maple	1,109	402	191	214	139	89	15	21	33	...	5
Boxelder	2,411	862	618	441	226	180	62	11	11	...	...
Beech	286	...	...	...	82	49	74	...	50	31	...
Sweetgum	14,098	5,918	3,125	2,033	1,133	840	483	246	143	150	27
Blackgum	771	300	105	151	80	54	42	21	8	10	...
Other gums	3,536	1,074	959	635	234	224	168	85	72	73	12
White ash	716	414	...	86	34	61	40	14	11	56	...
Other ashes	8.874	3,784	1,677	1,299	654	630	247	211	109	238	25
Sycamore	1,124	422	137	26	175	136	66	22	39	101	...
Cottonwood	3,989	953	1,053	344	194	253	259	344	312	258	19
Yellow-poplar	200	...	...	84	...	32	54	...	...	21	9
Willow	5,603	2,035	847	309	433	717	468	458	169	164	3
Black cherry	218	195	...	...	...	23	...	...	...	...	...
American elm	6,174	2,523	1,509	875	530	265	154	150	84	77	7
Other elms	5,688	2,755	1,417	561	423	292	69	100	30	41	...
River birch	67	...	...	...	61	...	...	...	6	...	...
Hackberry	12,494	2,797	3,446	2,361	1,315	918	753	495	203	200	6
Locusts	2,372	372	1,083	443	223	158	33	11	...	41	8
Sassafras	226	145	67	...	...	14	...	...	...	...	...
Dogwood	433	433	...	...	...	...	...	...	...	...	...
Other hardwoods	663	602	...	43	...	...	18	...	...	...	...
Total	152,925	54,439	35,171	22,427	13,003	10,238	6,318	4,686	2,741	3,456	446
All species	168,639	59,124	39,682	24,896	14,770	11,068	6,883	4,975	2,893	3,710	638

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

Table 27.--*Growing-stock volume on commercial forest land by species and diameter class, 1978*[1]

Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-	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:											
Shortleaf pine	43.5	2.9	5.4	8.6	8.6	9.1	6.2	1.4	0.4	0.9	...
Loblolly pine	80.4	7.6	15.2	16.9	15.5	6.7	6.3	2.7	3.3	6.2	...
Redcedar	1.2	.4	.5	.3	...	...	...	...	...	...	...
Cypress	112.9	.9	5.4	3.6	7.5	8.0	8.6	10.4	5.5	12.7	50.3
Total	238.0	11.8	26.5	29.4	31.6	23.8	21.1	14.5	9.2	19.8	50.3
Hardwood:											
Select white oaks	94.4	5.2	6.7	15.3	15.2	18.2	9.2	7.6	4.3	9.5	3.2
Select red oaks	76.2	1.5	2.4	3.5	5.5	10.8	9.4	12.2	10.0	17.1	3.8
Other white oaks	214.3	15.1	22.1	23.7	24.2	25.4	20.5	24.8	18.8	32.8	6.9
Other red oaks	336.5	22.4	33.9	40.5	37.1	34.5	36.3	34.8	26.6	48.7	21.7
Sweet pecan	29.2	1.2	2.2	2.0	1.6	2.2	1.0	2.0	2.0	8.9	6.1
Water hickory	98.2	5.1	11.4	11.7	10.6	8.0	11.9	7.4	5.4	22.6	4.1
Other hickories	92.2	8.0	12.8	17.3	11.9	13.5	11.9	6.8	3.1	5.5	1.4
Persimmon	21.8	4.1	4.1	5.2	2.7	1.9	2.2	1.6	...	...	...
Hard maple	1.7	.6	.4	.3	...	...	...	.4	...	...	...
Soft maple	11.0	1.1	.8	1.8	2.2	1.8	.6	.7	1.5	...	.5
Boxelder	17.7	1.6	3.0	4.2	3.0	3.5	1.6	.5	.3	...	...
Beech	9.9	...	...	...	1.5	1.1	2.2	...	2.7	2.4	...
Sweetgum	146.4	11.7	17.1	20.3	18.4	20.8	17.4	11.8	7.9	13.7	7.3
Blackgum	7.7	.6	.6	1.3	1.1	1.1	1.0	.8	.4	.8	...
Other gums	35.3	2.5	4.2	5.0	3.3	4.2	4.6	2.8	3.5	4.0	1.2
White ash	9.7	.6	...	.9	.8	1.5	1.1	.7	.3	3.8	...
Other ashes	87.2	7.4	9.1	10.2	10.1	13.2	6.8	8.8	4.9	14.1	2.6
Sycamore	22.6	1.6	.7	.3	3.1	3.1	2.0	1.3	2.1	8.4	...
Cottonwood	99.2	2.6	6.4	3.9	3.1	6.1	11.6	18.4	20.1	24.0	3.0
Yellow-poplar	6.6	...	...	1.0	...	.9	1.6	...	...	2.0	1.1
Willow	90.0	4.3	4.3	2.8	7.6	17.7	14.3	19.4	8.3	11.0	.3
Black cherry	1.0	.6	...	...	...	.4	...	...	...	...	...
American elm	52.6	5.2	6.4	7.6	7.8	5.7	4.5	5.3	3.7	5.3	1.1
Other elms	41.0	5.2	7.2	5.2	6.5	6.1	2.2	3.9	1.5	3.2	...
River birch	1.2	...	...	...	.9	...	...	...	.3	...	...
Hackberry	148.1	6.6	16.4	20.5	19.5	18.8	23.2	19.4	10.1	13.0	.6
Locusts	20.6	19	5.1	3.5	3.0	3.1	1.0	.7	...	2.1	1.2
Sassafras	.8	.4	.1	...	...	.3	...	...	...	...	...
Dogwood	.5	.5	...	...	...	...	...	...	...	...	...
Other hardwoods	1.9	1.2	...	.2	...	...	.5	...	...	...	...
Total	1,775.5	117.8	177.4	208.2	200.7	223.9	198.6	192.1	137.8	252.9	66.1
All species	2,013.5	129.6	203.9	237.6	232.3	247.7	219.7	206.6	147.0	272.7	116.4

[1]Detailed county statistics available upon request.

Table 28.--*Sawtimber volume on commercial forest land by species and diameter class, 1978*[1]

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Million board feet								
Softwood:									
Shortleaf pine	190.5	40.2	45.6	52.5	36.7	8.2	2.2	5.1	...
Loblolly pine	298.1	75.7	83.2	37.2	33.6	14.2	19.1	35.1	...
Redcedar	1.2	1.2	...	...	...	...	...	...	...
Cypress	570.9	10.5	30.8	33.0	50.2	59.1	29.6	71.3	286.4
Total	1,060.7	127.6	159.6	122.7	120.5	81.5	50.9	111.5	286.4
Hardwood:									
Select white oaks	343.1	...	67.5	87.8	47.6	41.0	26.4	52.6	20.2
Select red oaks	360.2	...	21.3	49.0	52.1	69.6	54.0	92.0	22.2
Other white oaks	782.7	...	99.4	114.4	101.1	134.2	107.6	182.9	43.1
Other red oaks	1,222.8	...	150.8	164.1	180.9	184.6	146.0	268.9	127.5
Sweet pecan	138.7	...	7.8	11.7	5.9	9.7	12.0	53.6	38.0
Water hickory	373.9	...	39.4	36.4	61.6	42.7	32.1	137.1	24.6
Other hickories	265.7	...	50.5	63.0	61.9	36.7	18.5	29.9	5.2
Persimmon	35.5	...	8.8	8.3	10.9	7.5	...	...	...
Hard maple	2.0	...	...	...	...	2.0	...	...	...
Soft maple	31.8	...	8.0	7.5	3.2	3.6	7.8	...	1.7
Boxelder	38.2	...	11.5	14.9	7.2	2.7	1.9	...	...
Beech	53.0	...	5.4	6.0	12.0	...	14.0	15.6	...
Sweetgum	494.7	...	72.0	95.4	90.7	63.9	45.9	85.1	41.7
Blackgum	21.6	...	4.4	5.2	3.7	3.2	1.6	3.5	...
Other gums	108.4	...	10.3	17.9	23.2	12.5	17.3	19.8	7.4
White ash	40.6	...	3.5	6.0	5.1	4.0	1.8	20.2	...
Other ashes	275.0	...	35.8	59.0	31.3	42.8	22.3	70.1	13.7
Sycamore	98.2	...	13.8	12.7	8.9	7.1	10.9	44.8	...
Cottonwood	479.4	...	11.3	27.0	68.2	102.7	113.1	140.8	16.3
Yellow-poplar	31.0	...	...	4.6	8.1	...	...	11.7	6.6
Willow	412.3	...	29.7	85.0	77.3	113.4	45.4	59.7	1.8
Black cherry	2.5	...	...	2.5	...	...	...	...	...
American elm	169.0	...	32.4	28.8	22.2	29.7	19.4	30.5	6.0
Other elms	120.5	...	26.7	33.4	11.9	21.5	8.6	18.4	...
River birch	5.2	...	4.3	...	...	...	.9	...	...
Hackberry	481.6	...	72.6	83.5	110.0	96.5	48.4	67.2	3.4
Locusts	55.0	...	11.9	14.4	4.8	4.3	...	11.2	8.4
Sassafras	.8	...	...	.8	...	...	...	...	...
Other hardwoods	1.8	...	...	...	1.8	...	...	...	...
Total	6,445.2	...	799.1	1,039.3	1,011.6	1,035.9	755.9	1,415.6	387.8
All species	7,505.9	127.6	958.7	1,162.0	1,132.1	1,117.4	806.8	1,527.1	674.2

[1]Detailed county statistics available upon request.

Table 29.--*Growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by diameter class and species, 1978*

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
	Million cubic feet								
Softwood:									
Shortleaf pine	32.7	7.2	8.0	8.9	5.9	1.4	0.4	0.9	...
Loblolly pine	53.3	14.4	14.9	6.6	5.8	2.6	3.0	6.0	...
Redcedar	.3	.3	...	...	...	...	...	...	...
Cypress	98.2	2.7	6.1	7.7	8.2	10.1	5.2	12.1	46.1
Total	184.5	24.6	29.0	23.2	19.9	14.1	8.6	19.0	46.1
Hardwood:									
Select white oaks	55.7	...	11.8	15.5	7.9	6.3	3.8	7.9	2.5
Select red oaks	58.2	...	4.2	8.9	8.6	11.3	8.4	13.6	3.2
Other white oaks	128.5	...	18.9	20.4	16.8	22.0	16.5	27.5	6.4
Other red oaks	200.2	...	28.3	28.9	31.3	29.9	22.8	41.0	18.0
Sweet pecan	20.3	...	1.3	2.0	.9	1.5	1.9	7.4	5.3
Water hickory	58.8	...	7.1	6.6	9.9	6.6	5.2	19.8	3.6
Other hickories	43.8	...	9.0	10.9	9.8	5.7	2.7	4.7	1.0
Persimmon	6.2	...	1.7	1.4	2.0	1.1	...	...	...
Hard maple	.4	...	...	...	...	.4	...	...	...
Soft maple	5.6	...	1.4	1.3	.5	.7	1.4	...	.3
Boxelder	7.0	...	2.3	2.6	1.4	.4	.3	...	...
Beech	7.8	...	1.0	.9	1.8	...	2.0	2.1	...
Sweetgum	81.5	...	13.3	17.1	15.1	10.3	7.1	12.5	6.1
Blackgum	4.3	...	.9	1.0	.8	.6	.4	.6	...
Other gums	20.5	...	2.2	3.4	4.4	2.4	3.3	3.6	1.2
White ash	6.8	...	.6	1.1	.8	.6	.3	3.4	...
Other ashes	49.2	...	7.1	10.9	5.6	7.3	3.7	12.2	2.4
Sycamore	16.3	...	2.4	2.4	1.5	1.1	2.1	6.8	...
Cottonwood	70.6	...	2.1	4.3	10.3	15.0	16.6	19.9	2.4
Yellow-poplar	5.1	...	...	.8	1.3	...	...	1.9	1.1
Willow	67.6	...	5.6	14.9	13.0	17.6	7.1	9.1	.3
Black cherry	.4	...	...	.4	...	...	...	...	...
American elm	27.9	...	6.3	4.9	3.8	4.5	3.0	4.5	.9
Other elms	19.7	...	4.7	5.5	2.0	3.5	1.3	2.7	...
River birch	1.0	...	.8	...	...	...	.2	...	...
Hackberry	80.1	...	13.6	14.6	18.5	15.3	7.5	10.1	.5
Locusts	8.9	...	2.1	2.5	.8	.6	...	1.7	1.2
Sassafras	.1	...	...	.1	...	...	...	...	...
Other hardwoods	.3	...	...	...	.3	...	...	...	...
Total	1,052.8	...	148.7	183.3	169.1	164.7	117.6	213.0	56.4
All species	1,237.3	24.6	177.7	206.5	189.0	178.8	126.2	232.0	102.5

Table 30.-- *Growing-stock volume on commercial forest land by species, class of timber and tree section, 1978*

Species	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
		Million cubic feet			
Softwood:					
Shortleaf pine	43.5	8.3	35.2	32.7	2.5
Loblolly pine	80.4	22.8	57.6	53.3	4.3
Redcedar	1.2	.9	.3	.3	...
Cypress	112.9	6.3	106.6	98.2	8.4
Total	238.0	38.3	199.7	184.5	15.2
Hardwood:					
Select white oaks	94.4	27.2	67.2	55.7	11.5
Select red oaks	76.2	7.4	68.8	58.2	10.6
Other white oaks	214.3	60.9	153.4	128.5	24.9
Other red oaks	336.5	96.8	239.7	200.2	39.5
Sweet pecan	29.2	5.4	23.8	20.3	3.5
Water hickory	98.2	28.2	70.0	58.8	11.2
Other hickories	92.2	38.1	54.1	43.8	10.3
Persimmon	21.8	13.4	8.4	6.2	2.2
Hard maple	1.7	1.3	.4	.4	...
Soft maple	11.0	3.7	7.3	5.6	1.7
Boxelder	17.7	8.8	8.9	7.0	1.9
Beech	9.9	...	9.9	7.8	2.1
Sweetgum	146.4	49.1	97.3	81.5	15.8
Blackgum	7.7	2.5	5.2	4.3	.9
Other gums	35.3	11.7	23.6	20.5	3.1
White ash	9.7	1.5	8.2	6.8	1.4
Other ashes	87.2	26.7	60.5	49.2	11.3
Sycamore	22.6	2.6	20.0	16.3	3.7
Cottonwood	99.2	12.9	86.3	70.6	15.7
Yellow-poplar	6.6	1.0	5.6	5.1	.5
Willow	90.0	11.4	78.6	67.6	11.0
Black cherry	1.0	.6	.4	.4	...
American elm	52.6	19.2	33.4	27.9	5.5
Other elms	41.0	17.6	23.4	19.7	3.7
River birch	1.2	...	1.2	1.0	.2
Hackberry	148.1	43.5	104.6	80.1	24.5
Locusts	20.6	9.5	11.1	8.9	2.2
Sassafras	.8	.5	.3	.1	.2
Dogwood	.5	.5	...	...	...
Other hardwoods	1.9	1.4	.5	.3	.2
Total	1,775.5	503.4	1,272.1	1,052.8	219.3
All species	2,013.5	541.7	1,471.8	1,237.3	234.5

Table 31.--*Volume of timber on commercial forest land by species and class of timber, 1978*

Species	All live	Growing stock	Rough	Rotten
	- - - - - *Million cubic feet* - - - - -			
Softwood:				
Shortleaf pine	44.4	43.5	0.9	...
Loblolly pine	80.4	80.4	...	...
Redcedar	1.5	1.2	.3	...
Cypress	122.9	112.9	2.9	7.1
Total	249.2	238.0	4.1	7.1
Hardwood:				
Select white oaks	106.9	94.4	9.2	3.3
Select red oaks	84.9	76.2	4.2	4.5
Other white oaks	248.7	214.3	24.2	10.2
Other red oaks	396.4	336.5	32.5	27.4
Sweet pecan	30.1	29.2	.7	.2
Water hickory	110.3	98.2	10.0	2.1
Other hickories	101.3	92.2	5.8	3.3
Persimmon	24.0	21.8	1.9	.3
Hard maple	2.5	1.7	.8	...
Soft maple	17.8	11.0	4.9	1.9
Boxelder	30.6	17.7	7.8	5.1
Beech	13.3	9.9	.8	2.6
Sweetgum	163.4	146.4	9.9	7.1
Blackgum	13.6	7.7	2.4	3.5
Other gums	45.1	35.3	3.9	5.9
White ash	12.4	9.7	1.5	1.2
Other ashes	109.0	87.2	16.7	5.1
Sycamore	27.2	22.6	2.4	2.2
Cottonwood	103.4	99.2	2.9	1.3
Yellow-poplar	6.7	6.6	...	.1
Willow	107.9	90.0	12.5	5.4
Black cherry	1.6	1.0	.3	.3
American elm	65.9	52.6	9.2	4.1
Other elms	50.9	41.0	8.6	1.3
River birch	1.7	1.2	...	.5
Hackberry	193.0	148.1	32.6	12.3
Other locusts	27.0	20.6	5.0	1.4
Sassafras	1.0	.8	...	.2
Dogwood	.7	.5	.2	...
Other hardwoods	3.7	1.9	1.6	.2
Noncommercial	15.9	...	15.9	...
Total	2,116.9	1,775.5	228.4	113.0
All species	7,366.1	2,013.5	232.5	120.1

Table 32.--*Average volume per acre of growing stock and sawtimber on commercial forest land by species group and ownership class, 1978*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Cubic feet			*Board feet*		
National forest	1,951	...	1,951	8,571	...	8,571
Other public	1,379	233	1,146	5,917	1,258	4,659
Forest industry	1,295	124	1,171	4,923	523	4,400
Farmer	969	76	893	3,588	374	3,214
Misc. private	1,021	139	882	3,540	545	2,995
All ownerships	1,103	130	973	4,111	581	3,530

Table 33.--*Average volume per acre of growing stock and sawtimber on commercial forest land by forest type and species group, 1978*

Forest type	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Cubic feet			*Board feet*		
Loblolly-shortleaf pine	1,152	1,039	113	4,355	4,155	200
Oak-pine	1,181	584	597	3,786	2,090	1,696
Oak-hickory	843	48	795	2,667	199	2,468
Oak-gum-cypress	1,175	96	1,079	4,509	486	4,023
Elm-ash-cottonwood	1,265	38	1,227	5,319	199	5,120
All types	1,103	130	973	4,111	581	3,530

Table 34.--*Metric area of commercial forest land by ownership class, 1978*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
	Thousand hectares					
Arkansas	84.1	...	32.2	...	23.7	28.2
Chicot	27.2	...	...	10.2	10.5	6.5
Clay	27.7	...	5.4	6.2	12.3	3.8
Craighead	19.1	...	2.8	...	3.5	12.8
Crittenden	14.4	...	1.5	2.9	5.7	4.3
Cross	16.2	...	(1)	...	6.5	9.7
Desha	62.3	...	7.7	34.0	17.6	3.0
Greene	20.4	...	.5	...	3.4	16.5
Jackson	21.5	...	...	...	3.1	18.4
Jefferson	86.6	...	6.6	18.5	8.5	53.0
Lawrence	34.0	...	4.2	...	14.6	15.2
Lee	35.8	3.9	...	2.4	12.3	17.2
Lincoln	54.0	...	.1	11.7	7.3	34.9
Lonoke	31.6	...	...	...	10.9	20.7
Mississippi	8.4	...	5.9	...	...	2.5
Monroe	58.9	...	9.7	18.9	13.0	17.3
Phillips	35.5	3.5	3.6	3.0	6.1	19.3
Poinsett	16.9	...	5.3	...	6.2	5.4
Prairie	31.0	...	5.2	2.1	10.6	13.1
St. Francis	25.4	...	1.6	...	11.5	12.3
Woodruff	27.8	...	1.6	...	9.9	16.3
All counties	738.8	7.4	93.9	109.9	197.2	330.4

[1]Negligible.

Table 35.--*Metric volume of growing stock on commercial forest land by species group, 1978*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Thousand cubic meters							
Arkansas	6,781	682	...	682	6,099	2,571	498	3,030
Chicot	2,044	...	...	...	2,044	300	73	1,671
Clay	2,257	...	...	...	2,257	889	258	1,110
Craighead	847	159	...	159	688	408	76	204
Crittenden	1,566	6	...	6	1,560	...	11	1,549
Cross	1,076	...	...	...	1,076	572	25	479
Desha	4,992	479	...	479	4,513	399	408	3,706
Greene	1,404	203	195	8	1,201	699	176	326
Jackson	1,164	...	...	...	1,164	810	43	311
Jefferson	6,706	2,424	2,059	365	4,282	2,115	343	1,824
Lawrence	1,388	34	...	34	1,354	1,094	130	130
Lee	3,809	54	...	54	3,755	1,175	346	2,234
Lincoln	3,568	1,175	1,056	119	2,393	1,393	309	691
Lonoke	1,691	20	...	20	1,671	972	388	311
Mississippi	470	144	...	144	326	17	11	298
Monroe	6,844	866	198	668	5,978	2,223	824	2,931
Phillips	2,684	14	...	14	2,670	1,076	385	1,209
Poinsett	1,365	37	...	37	1,328	875	54	399
Prairie	2,812	184	...	184	2,628	1,260	614	754
St. Francis	1,254	23	...	23	1,231	648	170	413
Woodruff	2,294	235	...	235	2,059	932	221	906
All counties	57,016	6,739	3,508	3,231	50,277	20,428	5,363	24,486

Table 36.--*Average volume per hectare of growing stock on commercial forest land by species group and ownership class, 1978*

Ownership class	Growing stock		
	All species	Softwood	Hardwood
	Cubic meters		
National forest	137	...	137
Other public	96	16	80
Forest industry	91	9	82
Farmer	68	5	63
Misc. private	71	10	61
All ownerships	77	9	68

QUICK, T. RICHARD, AND MARY S. HEDLUND.
1979. Forest statistics for Arkansas Delta Counties. U.S. Dep. Agric. For. Serv. Resour. Bull. SO-71, 23 p. South. For. Exp. Stn., New Orleans, La.

Tabulates forest resource information from a new inventory of Arkansas Delta Counties.

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

☆U.S. GOVERNMENT PRINTING OFFICE: 1980– 671-123/1002