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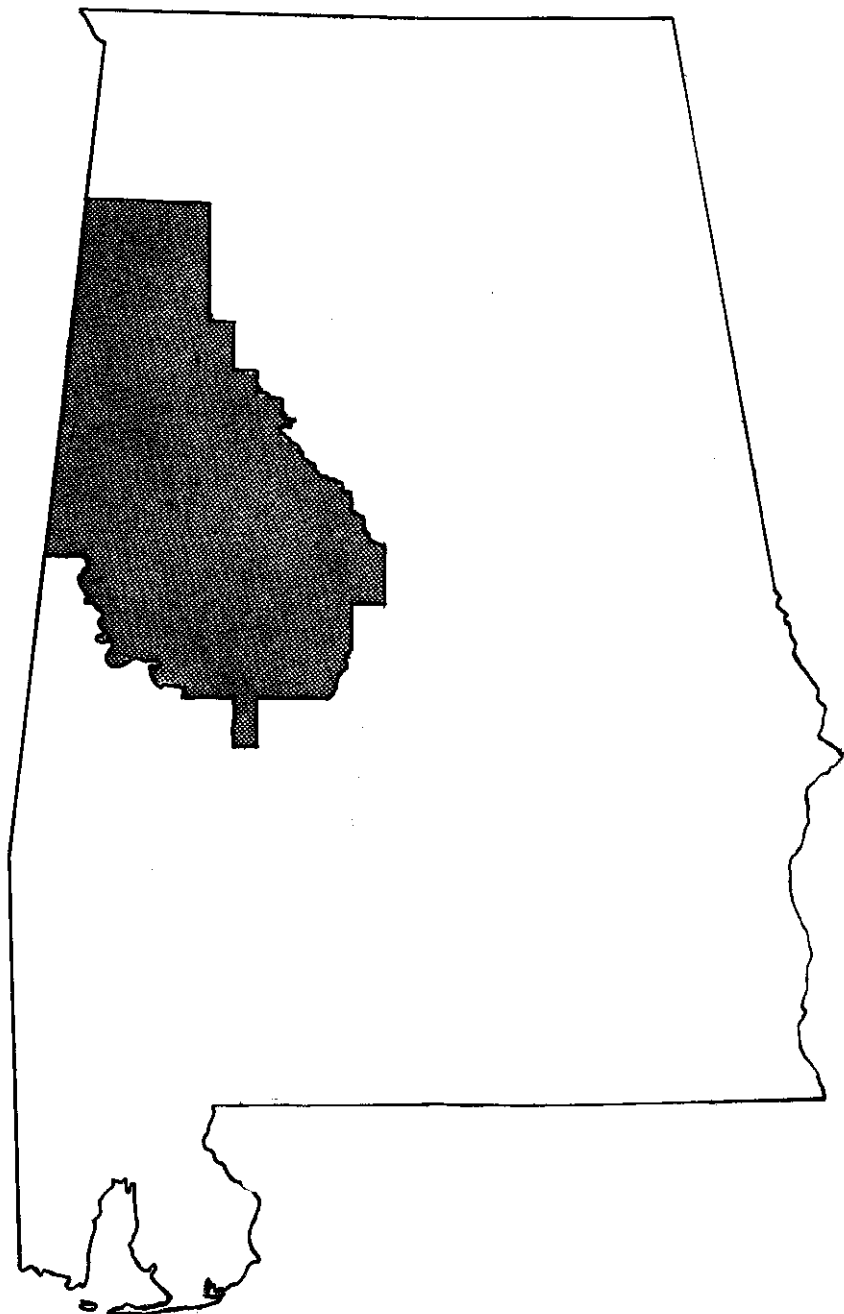
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Forest Statistics for West Central Alabama Counties

Staff: Forest Inventory and Analysis Research Work Unit



FOREST STATISTICS FOR WEST CENTRAL ALABAMA COUNTIES

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These tables were derived from data obtained during a 1982 inventory of 9 counties comprising the West Central Unit of Alabama (fig. 1). The data on forest acreage and timber volume were secured by a systematic sampling method involving a forest-nonforest classification on aerial photographs and on-the-ground measurements of trees at sample locations. The sample locations were at the intersections of a grid of lines spaced 3 miles apart. At each forest location, per acre estimates were obtained from 5 BA 37.5 point samples.

Table 1.--Sampling errors¹ for forest land and timber volume, 1982

County	Commercial forest land	Growing stock	Sawtimber
----- percent -----			
Bibb	2.4	12.2	18.4
Fayette	2.3	12.1	17.2
Greene	3.2	12.3	14.2
Hale	2.4	12.2	16.1
Lamar	2.7	11.6	16.3
Marion	1.8	12.5	16.2
Perry	2.9	12.4	16.6
Pickens	2.0	8.4	11.1
Tuscaloosa	1.6	6.6	9.4
All counties	0.8	3.5	4.7

¹ By random-sampling formula.

The sampling methods were developed to provide suitable State estimates. Estimates for smaller areas are presented, but sampling error increases as the area considered decreases. Sampling errors given in table 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 = standard error of estimate (%)
 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.

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Commercial forest land.--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.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

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 suit-

ability for growing certain species groups-pine, upland hardwood, or bottom-land 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 respectively, primarily because of roughness or poor form. (Includes all live trees of non-commercial 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 sawlog portion of live sawtimber in board feet, International 1/4-inch rule and in cubic feet.

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

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

Table 2.--Sampling errors for timber volume by species, 1982

Species	Growing stock	Sawtimber
----- percent -----		
Softwood:		
Longleaf pine	25.1	27.8
Slash pine	(1)	(1)
Shortleaf pine	11.5	15.5
Loblolly pine	7.3	8.7
Virginia pine	20.2	22.9
Spruce pine	(1)	(1)
Redcedar	47.7	(1)
Hemlock	(1)	(1)
Cypress	47.6	50.0
Total	5.7	7.0
Hardwood:		
Select white oaks	11.6	15.5
Select red oaks	20.8	21.2
Other white oaks	12.8	18.2
Other red oaks	8.0	10.4
Bitter pecan	(1)	(1)
Other hickories	11.2	14.1
Persimmon	(1)	(1)
Soft maple	19.1	27.4
Beech	31.5	32.9
Sweetgum	9.4	13.2
Blackgum	24.0	19.7
Other gums	36.2	44.7
White ash	(1)	...
Other ashes	30.7	37.5
Sycamore	(1)	(1)
Yellow-poplar	13.3	15.7
Magnolia	(1)	...
Sweetbay	39.6	34.9
Willow	(1)	(1)
Black cherry	33.9	...
American elm	35.9	34.6
Other elms	27.4	42.1
River birch	39.7	41.3
Hackberry	38.0	44.2
Other locusts	(1)	(1)
Sassafras	(1)	...
Dogwood	34.8	...
Total	4.2	5.2
All species	3.5	4.7

¹ Exceeds 50 percent.

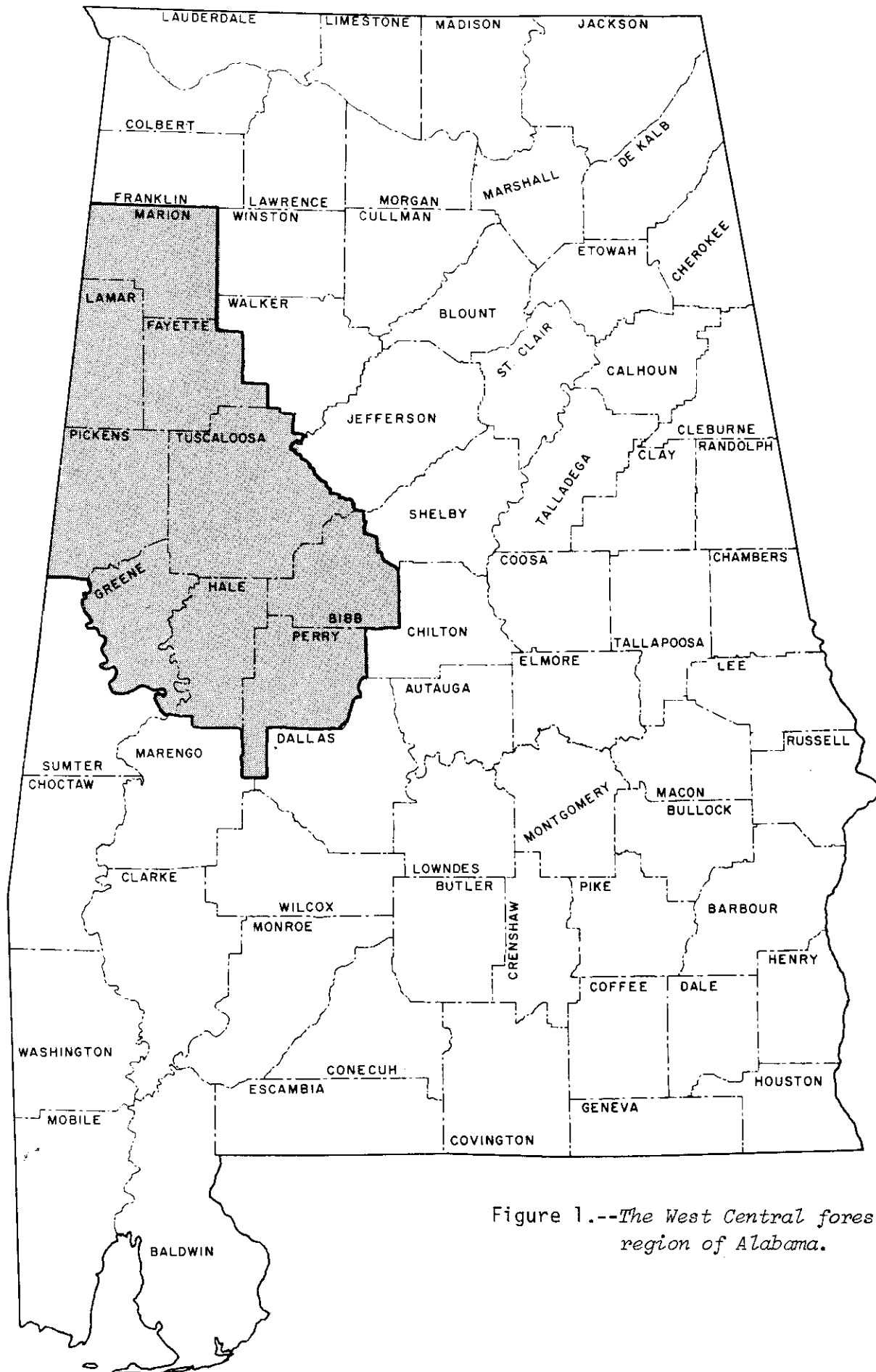


Figure 1.--The West Central forest survey region of Alabama.

Table 3.--Total area and commercial forest land, 1982

County	Total area ¹	Commercial forest land	
		1982	1972
- - - - - thousand acres - - - - -			
Bibb	400.0	337.9	332.8
Fayette	401.3	320.0	307.4
Greene	420.5	244.7	234.6
Hale	424.3	246.8	248.0
Lamar	387.2	303.0	285.0
Marion	475.5	368.0	348.1
Perry	469.8	315.4	286.2
Pickens	567.7	459.3	427.5
Tuscaloosa	863.3	677.0	696.2
All counties	4,409.6	3,272.1	3,165.8

¹ United States Bureau of the Census, Land and Water Area of the United States.

Table 4.--Commercial forest land by ownership class,¹ 1982

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
----- thousand acres -----						
Bibb	337.9	72.0	...	94.2	60.9	110.8
Fayette	320.0	...	11.6	81.5	98.9	128.0
Greene	244.7	...	5.8	52.4	81.6	104.9
Hale	246.8	37.0	...	30.9	43.2	135.7
Lamar	303.0	...	...	50.5	56.8	195.7
Marion	368.0	...	...	89.0	29.7	249.3
Perry	315.4	57.3	...	74.5	91.7	91.7
Pickens	459.3	...	...	127.9	87.2	244.2
Tuscaloosa	677.0	5.8	11.7	186.8	122.6	350.2
All counties	3,272.1	172.2	29.1	787.7	672.6	1,610.5

¹ Totals may not add due to rounding.

Table 5.--Commercial forest land by forest type,¹ 1982

County	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Nonstocked areas
----- thousand acres -----								
Bibb	337.9	27.7	149.6	55.4	83.1	11.1	5.5	5.5
Fayette	320.0	...	122.2	52.4	98.9	40.7	5.8	...
Greene	244.7	...	75.7	29.1	40.8	87.4	...	11.7
Hale	246.8	...	98.7	55.5	30.9	61.7	...	...
Lamar	303.0	...	88.4	44.2	88.4	69.4	...	12.6
Marion	368.0	...	136.5	59.4	166.2	5.9	...	...
Perry	315.4	17.2	114.7	68.8	57.3	45.9	...	11.5
Pickens	459.3	...	168.6	93.0	139.5	58.1	...	...
Tuscaloosa	677.0	23.3	280.1	140.1	157.6	75.9	...	...
All counties	3,272.1	68.2	1,234.5	597.9	862.7	456.2	11.4	41.3

¹ Totals may not add due to rounding.

Table 6.--Commercial forest land by stand-size class,¹ 1982

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
----- thousand acres -----					
Bibb	337.9	133.0	88.6	110.8	5.5
Fayette	320.0	104.7	110.6	104.7	...
Greene	244.7	145.7	40.8	46.6	11.7
Hale	246.8	117.2	74.0	55.5	...
Lamar	303.0	94.7	132.6	63.1	12.6
Marion	368.0	100.9	154.3	112.8	...
Perry	315.4	126.1	80.3	97.5	11.5
Pickens	459.3	174.4	157.0	127.9	...
Tuscaloosa	677.0	303.5	245.1	128.4	...
All counties	3,272.1	1,300.2	1,083.3	847.3	41.3

¹ Totals may not add due to rounding.

Table 7.--Commercial forest land by site class,¹ 1982

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 -----						
Bibb	337.9	27.7	116.3	110.8	72.0	11.1
Fayette	320.0	17.5	58.2	93.1	145.5	5.8
Greene	244.7	...	35.0	163.1	35.0	11.7
Hale	246.8	37.0	55.5	104.9	49.4	...
Lamar	303.0	6.3	37.9	107.3	138.9	12.6
Marion	368.0	...	41.5	195.9	118.7	11.9
Perry	315.4	17.2	74.5	114.7	97.5	11.5
Pickens	459.3	75.6	75.6	157.0	139.5	11.6
Tuscaloosa	677.0	17.5	87.5	291.8	239.3	40.9
All counties	3,272.1	198.8	582.1	1,338.5	1,035.7	117.0

¹ Totals may not add due to rounding.

Table 8.--Commercial forest land by physiographic site class,¹ 1982

County	All sites	Pine	Upland hardwood	Bottomland hardwood
----- thousand acres -----				
Bibb	337.9	321.3	...	16.6
Fayette	320.0	273.5	...	46.6
Greene	244.7	139.8	...	104.9
Hale	246.8	178.9	...	67.9
Lamar	303.0	227.2	...	75.7
Marion	368.0	362.0	...	5.9
Perry	315.4	252.3	...	63.1
Pickens	459.3	395.4	5.8	58.1
Tuscaloosa	677.0	583.6	17.5	75.9
All counties	3,272.1	2,734.9	23.3	514.7

¹ Totals may not add due to rounding.

Table 9.--Commercial forest land by site class and stand-size class,¹ 1982

Stand-size class	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 -----						
Sawtimber	1,300.2	121.5	334.8	532.3	282.0	29.5
Poletimber	1,083.3	65.3	162.2	401.9	401.1	52.9
Sapling and seedling	847.3	12.0	85.1	381.4	334.3	34.6
Nonstocked areas	41.2	...	...	22.9	18.3	...
All classes	3,272.1	198.8	582.1	1,338.5	1,035.7	117.0

¹ Totals may not add due to rounding.

Table 10.--Commercial forest land by forest type and stand-size class,¹ 1982

Stand-size class	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Nonstocked areas
----- thousand acres -----								
Sawtimber	1,300.2	62.5	531.7	212.0	210.9	283.1	...	...
Poletimber	1,083.3	5.7	368.9	194.1	371.6	137.3	5.5	...
Sapling and seedling	847.3	...	333.9	191.8	280.1	35.7	...	...
Nonstocked areas	41.3	...	...	...	...	...	...	41.3
All classes	3,272.1	68.2	1,234.5	597.9	862.7	456.2	11.4	41.3

¹ Totals may not add due to rounding.

Table 11.--Growing-stock volume on commercial forest land by species group,¹ 1982

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- million cubic feet -----								
Bibb	332.9	214.2	213.5	0.8	118.7	68.1	20.4	30.2
Fayette	371.8	159.2	159.2	...	212.5	85.2	79.5	47.8
Greene	326.3	135.3	131.1	4.3	191.0	59.8	50.5	80.7
Hale	312.2	156.6	156.3	0.3	155.6	55.8	50.0	49.7
Lamar	303.8	108.2	103.0	5.2	195.6	83.9	70.0	41.8
Marion	290.8	147.5	146.5	1.1	143.2	89.8	9.4	43.9
Perry	338.8	207.8	203.1	4.8	131.0	50.5	35.5	45.0
Pickens	589.7	336.5	334.0	2.5	253.1	110.0	87.2	55.9
Tuscaloosa	964.8	522.3	520.4	1.9	442.5	201.7	131.9	108.9
All counties	3,831.1	1,987.0	1,967.0	20.8	1,843.3	804.8	534.5	503.9

¹ Totals may not add due to rounding.

Table 12.--*Growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by species group,¹ 1982*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- million cubic feet -----								
Bibb	196.1	152.0	151.7	0.2	44.1	30.7	3.3	10.1
Fayette	185.2	86.8	86.8	...	98.3	41.9	29.5	26.9
Greene	232.1	108.1	104.3	3.7	124.0	41.0	28.4	54.6
Hale	183.9	120.4	120.4	...	63.5	29.0	20.0	14.6
Lamar	139.7	53.1	50.7	2.4	86.6	39.8	25.5	21.4
Marion	141.1	78.5	77.6	0.9	62.6	37.2	4.6	20.8
Perry	213.6	155.8	151.6	4.2	57.8	26.0	12.2	19.6
Pickens	308.9	188.5	187.1	1.4	120.4	53.5	36.9	30.0
Tuscaloosa	510.7	292.5	292.5	...	218.1	107.5	52.1	58.6
All counties	2,111.1	1,235.6	1,222.8	12.9	875.5	406.5	212.4	256.6

¹ Totals may not add due to rounding.

Table 13.--*Sawtimber volume on commercial forest land by species group,¹ 1982*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
----- million board feet -----								
Bibb	1,211.6	942.2	941.6	0.6	269.4	189.7	19.5	60.2
Fayette	1,113.5	523.9	523.9	...	589.6	253.0	171.9	164.8
Greene	1,424.4	663.5	637.4	26.1	760.9	254.2	174.4	332.3
Hale	1,131.0	751.7	751.7	...	379.3	177.3	115.3	86.7
Lamar	805.2	297.9	283.4	14.5	507.3	234.9	146.6	125.8
Marion	814.7	445.4	440.7	4.7	369.3	221.8	25.6	121.9
Perry	1,333.2	975.6	947.2	28.3	357.6	169.8	73.8	114.0
Pickens	1,870.0	1,131.2	1,121.7	9.5	738.8	335.6	220.3	182.9
Tuscaloosa	3,088.4	1,761.5	1,761.5	...	1,326.9	661.0	310.3	355.6
All counties	12,792.0	7,492.8	7,409.1	83.7	5,299.2	2,497.3	1,257.6	1,544.3

¹ Totals may not add due to rounding.

Table 14.--*Growing-stock volume of softwoods on commercial forest land by forest type,¹ 1982*

County	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Nonstocked areas
----- million cubic feet -----							
Bibb	214.2	32.4	152.6	22.0	7.2	...	...
Fayette	159.2	...	121.3	28.3	8.2	1.4	...
Greene	135.3	...	88.2	25.3	7.5	12.8	1.5
Hale	156.6	...	100.7	43.1	5.0	7.8	...
Lamar	108.2	...	75.4	20.7	5.7	6.4	...
Marion	147.5	...	118.9	20.1	8.5	...	...
Perry	207.8	21.7	123.7	54.8	2.8	4.9	...
Pickens	336.5	...	266.6	41.7	26.7	1.6	...
Tuscaloosa	522.3	34.8	380.3	73.9	30.5	2.8	...
All counties	1,987.8	88.8	1,427.7	330.0	102.0	37.7	1.5

¹ Totals may not add due to rounding.

Table 15.--Growing-stock volume of hardwoods on commercial forest land by forest type,¹ 1982

County	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Nonstocked areas
----- million cubic feet -----								
Bibb	118.7	4.0	26.1	26.7	49.7	10.1	2.1	...
Fayette	212.5	...	23.1	18.8	96.6	72.0	2.1	...
Green	191.0	...	14.7	18.1	40.1	117.3	...	0.8
Hale	155.6	...	31.8	27.0	9.4	87.3	...	...
Lamar	195.6	...	12.2	21.1	68.8	90.7	...	2.7
Marion	143.2	...	16.7	14.2	102.8	9.5	...	...
Perry	131.0	1.1	8.2	39.4	27.1	52.3	...	2.9
Pickens	253.1	...	20.8	38.7	98.7	95.0	...	...
Tuscaloosa	442.5	3.1	52.8	63.7	167.2	155.6	...	...
All counties	1,843.3	8.1	206.6	267.8	660.4	689.8	4.2	6.4

¹ Totals may not add due to rounding.Table 16.--Softwood growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land,¹ 1982

County	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Nonstocked areas
----- million cubic feet -----							
Bibb	152.0	27.3	105.6	14.2	4.8	...	...
Fayette	86.8	...	61.1	18.3	6.0	1.3	...
Greene	108.1	...	67.2	20.6	6.5	12.3	1.5
Hale	120.4	...	75.2	34.9	3.6	6.6	...
Lamar	53.1	...	34.4	10.2	5.1	3.3	...
Marion	78.5	...	62.0	11.4	5.1	...	...
Perry	155.8	16.6	84.9	49.5	2.0	2.8	...
Pickens	188.5	...	136.7	29.8	20.6	1.4	...
Tuscaloosa	292.5	26.3	200.7	43.1	19.7	2.8	...
All counties	1,235.6	70.2	827.9	232.1	73.5	30.5	1.5

¹ Totals may not add due to rounding.Table 17.--Hardwood growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land,¹ 1982

County	All types	Longleaf-slash pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Nonstocked areas
----- million cubic feet -----								
Bibb	44.1	1.8	12.4	12.3	12.8	4.8	...	...
Fayette	98.3	...	14.7	5.7	46.3	30.6	1.0	...
Greene	124.0	...	8.9	8.8	21.4	84.4	...	0.5
Hale	63.5	...	14.1	13.0	1.9	34.6	...	...
Lamar	86.6	...	7.1	10.1	23.7	45.7	...	...
Marion	62.6	...	7.9	5.8	45.3	3.6	...	...
Perry	57.8	...	3.5	20.5	9.3	23.5	...	1.0
Pickens	120.4	...	3.9	18.7	42.1	55.7	...	...
Tuscaloosa	218.1	0.7	22.8	24.3	81.8	88.6	...	...
All counties	875.5	2.4	95.2	119.2	284.7	371.5	1.0	1.5

¹ Totals may not add due to rounding.

Table 18.--Growing-stock volume of softwoods on commercial forest land by stand-size class,¹ 1982

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
----- million cubic feet -----					
Bibb	214.2	154.7	49.7	9.8	...
Fayette	159.2	106.2	46.0	7.0	...
Greene	135.3	110.4	20.1	3.4	1.5
Hale	156.6	125.5	22.7	8.3	...
Lamar	108.2	58.6	45.8	3.8	...
Marion	147.5	83.9	55.2	8.5	...
Perry	205.8	167.2	29.8	10.8	...
Pickens	336.5	184.9	123.5	28.2	...
Tuscaloosa	522.3	320.0	171.7	30.6	...
All counties	1,987.8	1,311.4	564.4	110.5	1.5

¹ Totals may not add due to rounding.

Table 19.--Growing-stock volume of hardwoods on commercial forest land by stand-size class,¹ 1982

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
----- million cubic feet -----					
Bibb	118.7	59.8	39.4	19.5	...
Fayette	212.5	93.9	98.7	20.0	...
Greene	191.0	148.6	31.0	10.7	0.8
Hale	155.6	82.0	64.5	9.1	...
Lamar	195.6	98.2	90.8	3.9	2.7
Marion	143.2	61.5	72.7	9.1	...
Perry	131.0	73.4	51.1	3.5	2.9
Pickens	253.1	146.2	89.6	17.3	...
Tuscaloosa	442.5	262.6	168.2	11.7	...
All counties	1,843.3	1,026.1	705.8	104.9	6.4

¹ Totals may not add due to rounding.

Table 20.--Softwood growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by stand-size class,¹ 1982

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
----- million cubic feet -----					
Bibb	152.0	131.2	16.4	4.4	...
Fayette	86.8	73.7	10.9	2.2	...
Greene	108.1	94.5	10.0	2.1	1.5
Hale	120.4	104.1	13.4	2.9	...
Lamar	53.1	37.4	14.3	1.3	...
Marion	78.5	54.4	16.6	7.5	...
Perry	155.8	137.6	15.2	3.1	...
Pickens	188.5	133.2	40.5	14.7	...
Tuscaloosa	292.5	236.3	42.3	14.0	...
All counties	1,235.6	1,002.5	179.5	52.2	1.5

¹ Totals may not add due to rounding.

Table 21.--Hardwood growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by stand-size class,¹ 1982

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
----- million cubic feet -----					
Bibb	44.1	32.1	7.4	4.6	...
Fayette	98.3	58.1	30.2	10.0	...
Greene	124.0	104.8	11.0	7.7	0.5
Hale	63.5	44.9	16.6	2.0	...
Lamar	86.6	60.4	23.6	2.7	...
Marion	62.6	40.2	19.4	3.0	...
Perry	57.8	39.9	15.9	0.9	1.0
Pickens	120.4	90.2	23.4	6.8	...
Tuscaloosa	218.1	164.9	48.8	4.5	...
All counties	875.5	635.5	196.4	42.1	1.5

¹ Totals may not add due to rounding.

Table 22.--Growing-stock volume on commercial forest land by physiographic site class and species group,¹ 1982

County	All sites	Pine		Upland hardwood		Bottomland hardwood	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
----- million cubic feet -----							
Bibb	332.9	214.2	106.5	...	...	...	12.2
Fayette	371.8	157.8	138.4	...	...	1.4	74.1
Greene	326.3	115.5	65.3	...	...	19.8	125.7
Hale	312.2	145.4	62.0	...	...	11.2	93.6
Lamar	303.8	101.8	102.2	...	...	6.4	93.4
Marion	290.8	147.5	133.7	...	...	...	9.5
Perry	338.8	193.7	67.3	...	...	14.1	63.7
Pickens	589.7	334.9	153.2	...	4.9	1.6	95.0
Tuscaloosa	964.8	514.8	263.1	4.6	23.7	2.8	155.6
All counties	3,831.1	1,925.6	1,091.8	4.6	28.7	57.5	722.8

¹ Totals may not add due to rounding.

Table 23.--Volume of timber on commercial forest land by class of timber and species group,¹ 1982

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
----- million cubic feet -----							
Bibb	374.5	214.2	118.7	3.1	30.6	0.6	7.3
Fayette	410.2	159.2	212.5	3.2	24.8	2.1	8.3
Greene	377.5	135.3	191.0	3.9	34.5	0.8	12.0
Hale	354.9	156.6	155.6	1.4	28.8	...	12.6
Lamar	386.5	108.2	195.6	8.5	45.3	...	28.9
Marion	359.1	147.5	143.2	13.0	44.1	...	11.3
Perry	382.4	207.8	131.0	10.0	27.0	...	6.7
Pickens	691.3	336.5	253.1	23.1	48.2	1.3	29.0
Tuscaloosa	1,084.9	522.3	442.5	1.7	71.2	6.1	41.1
All counties	4,421.3	1,987.8	1,843.3	67.8	354.5	11.0	157.0

¹ Totals may not add due to rounding.

Table 24.--Number of growing-stock trees by species and diameter class,¹ 1982

Species	Diameter class (inches at breast height)										
	All classes	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 & larger
----- thousand trees -----											
Softwood:											
Longleaf pine	7,327	1,935	1,465	1,122	1,359	810	477	121	21	17	...
Slash pine	586	...	389	...	108	...	28	22	39	...	...
Shortleaf pine	37,943	16,264	9,503	6,313	3,385	1,724	572	127	40	...	...
Loblolly pine	123,701	47,325	34,641	20,717	9,847	5,777	2,439	1,371	724	837	18
Virginia pine	21,908	10,998	6,769	2,983	713	355	62	27	...	...	...
Spruce pine	37	...	...	...	...	37	...	...	...	...	...
Redcedar	1,255	499	595	79	54	...	29	...	...	...	...
Hemlock	87	...	...	87	...	...	...	...	...	...	...
Cypress	730	287	280	98	...	...	...	26	...	33	6
Total	193,574	77,308	53,643	31,400	15,467	8,704	3,609	1,694	824	902	24
Hardwood:											
Select white oaks	17,054	7,053	3,723	3,341	1,527	565	484	98	99	154	10
Select red oaks	2,818	407	585	252	572	452	250	229	22	49	...
Other white oaks	16,669	7,714	4,005	2,365	1,135	578	441	237	125	71	...
Other red oaks	44,799	17,497	11,417	5,116	4,247	2,462	1,388	711	326	602	32
Bitter pecan	14	...	...	...	...	...	...	...	...	14	...
Other hickories	17,577	6,976	4,533	2,511	1,548	1,122	602	101	105	80	...
Persimmon	767	617	103	...	...	47	...	...	...	...	...
Soft maple	5,913	2,757	1,428	981	358	171	34	136	38	11	...
Beech	493	174	...	...	66	43	119	25	...	68	...
Sweetgum	38,868	17,443	10,233	5,098	3,295	1,705	597	300	86	111	...
Blackgum	11,029	3,591	3,104	2,183	1,123	704	209	48	41	25	...
Other gums	8,314	2,689	2,422	1,528	867	384	213	182	21	...	8
White ash	381	261	119	...	...	...	...	...	...	...	...
Other ashes	1,895	465	293	317	273	284	129	49	84	...	...
Sycamore	115	...	...	...	48	...	...	49	...	...	17
Yellow-poplar	7,995	2,437	1,289	1,266	1,156	1,124	263	258	124	77	...
Magnolia	67	...	...	67	...	...	...	...	...	...	...
Sweetbay	4,889	1,760	2,125	515	261	137	90	...	...	...	...
Willow	695	406	112	79	51	47	...	...	...	...	...
Black cherry	1,287	408	572	307	...	...	...	...	...	...	...
American elm	923	...	409	264	55	81	33	27	40	14	...
Other elms	1,326	381	457	159	240	41	...	47	...	...	...
River birch	2,586	1,136	560	374	330	127	31	29	...	...	...
Hackberry	2,467	625	627	325	273	166	230	97	58	67	...
Other locusts	381	193	122	...	66	...	...	...	...	...	...
Sassafras	835	835	...	...	...	...	...	...	...	...	...
Dogwood	4,348	3,977	272	99	...	...	...	...	...	...	...
Total	194,504	79,802	48,511	28,148	17,490	10,242	5,111	2,621	1,169	1,344	66
All species	388,079	157,110	102,154	59,548	32,957	18,946	8,720	4,315	1,993	2,246	90

¹ Totals may not add due to rounding.

² Includes white, swamp chestnut, chinkapin, and bur oaks.

³ Includes northern red, shumard and cherrybark oaks.

Table 25.--Number of live trees by species and diameter class,¹ 1982

Species	Diameter class (inches at breast height)												
	All classes	1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-26.9	29.0 & larger
----- thousand trees -----													
Softwood:													
Longleaf pine	14,641	4,153	3,093	1,935	1,465	1,190	1,359	810	477	121	21	17	...
Slash pine	694	...	...	...	497	...	108	...	28	22	39	...	...
Shortleaf pine	125,638	51,712	34,383	17,256	9,843	6,412	3,511	1,766	572	127	40	14	...
Loblolly pine	345,481	133,765	80,694	51,437	36,225	21,287	10,409	6,013	2,568	1,445	765	854	18
Virginia pine	54,420	15,609	16,049	11,240	6,769	3,504	763	396	62	27	...	...	...
Spruce pine	37	...	...	...	...	...	37	...	...	...	...	...	...
Redcedar	17,682	13,978	2,129	818	595	79	54	...	29	...	...	...	...
Hemlock	87	...	...	...	...	87	...	...	...	...	...	...	...
Cypress	776	...	...	287	280	98	...	46	...	26	...	33	6
Total	559,455	219,218	136,347	82,974	55,675	32,656	16,205	9,068	3,738	1,768	864	918	24
Hardwood:													
Select white oak	91,913	50,192	21,771	8,505	4,159	3,776	1,639	786	515	155	140	249	26
Select red oaks	10,011	4,310	2,642	407	585	345	572	536	250	229	22	95	18
Other white oaks	77,989	42,379	13,375	10,438	4,993	3,024	1,741	824	597	312	185	122	...
Other red oaks	219,799	125,380	41,127	21,645	12,869	6,931	4,933	2,927	1,724	887	409	877	91
Sweet pecan	566	566	...	...	...	...	...	...	...	...	...	...	...
Bitter pecan	14	...	...	...	...	...	...	...	...	...	...	14	...
Other hickories	162,893	119,347	20,623	9,646	6,039	2,840	1,892	1,346	793	101	126	140	...
Persimmon	35,527	32,268	2,130	872	103	80	...	47	...	27	...	...	...
Hard maple	7,471	6,402	1,069	...	...	...	...	...	...	...	...	...	...
Soft maple	150,144	124,890	14,193	5,527	2,468	1,424	723	515	93	210	58	43	...
Boxelder	315	...	...	311	...	...	...	...	...	...	...	...	...
Beech	7,739	5,366	1,594	174	...	...	...	...	...	...	...	...	...
Sweetgum	368,544	253,923	66,083	23,634	11,573	6,001	3,691	2,113	840	391	105	195	16
Blackgum	120,689	90,707	11,873	8,151	4,445	2,452	1,578	886	273	147	85	87	...
Other gums	19,373	4,498	5,611	3,126	2,566	1,621	1,037	421	213	208	21	14	37
White ash	2,438	1,697	...	513	226	...	...	...	...	...	...	...	...
Other ashes	14,651	9,590	2,159	934	516	480	273	374	163	77	84	...	...
Sycamore	165	...	...	...	...	...	48	...	30	49	20	...	17
Cottonwood	85	...	...	...	...	85	...	...	...	...	...	...	...
Basswood	544	544	...	...	...	...	...	...	...	...	...	...	...
Yellow-poplar	27,074	13,849	4,844	2,437	1,289	1,266	1,207	1,221	293	333	187	132	15
Magnolia	2,205	2,137	...	...	...	67	...	...	...	...	...	...	...
Sweetbay	21,029	10,382	3,807	2,556	2,266	761	673	230	288	25	41	...	...
Willow	1,907	1,066	...	406	112	157	118	47	...	...	...	...	...
Black cherry	24,066	17,182	4,803	1,119	572	389	...	...	...	...	...	...	...
American elm	7,380	2,669	3,251	189	409	339	166	168	63	51	60	14	...
Other elms	24,159	17,380	4,858	381	848	239	344	41	...	47	21	...	...
River birch	8,846	4,292	1,736	1,136	674	374	330	166	68	55	...	15	...
Hackberry	8,837	3,680	1,601	921	1,061	420	373	208	261	174	58	80	...
Other locusts	1,447	1,066	...	193	122	...	66	...	...	...	...	...	...
Sassafras	22,353	17,412	2,658	2,095	126	...	61	...	...	...	...	...	...
Dogwood	194,113	148,183	40,285	5,274	272	99	...	...	...	...	...	...	...
Holly	4,489	3,883	533	...	...	74	...	...	...	...	...	...	...
Other hardwoods	7,238	4,773	2,118	199	...	...	...	86	38	25	...	...	...
Total	1,646,014	1,120,016	274,745	110,792	58,297	33,242	21,533	13,073	6,653	3,518	1,680	2,241	224
Noncommercial	245,415	191,501	32,004	14,836	3,878	2,399	289	257	201	52	...	...	...
All species	2,450,885	1,530,735	443,095	208,601	117,850	68,297	38,027	22,398	10,591	5,339	2,544	3,159	248

Totals may not add due to rounding.

Table 26.--Growing-stock volume on commercial forest land by species and diameter class,¹ 1982

Species	Diameter class (inches at breast height)										
	All classes	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
----- million cubic feet -----											
Softwood:											
Longleaf pine	102.3	6.2	10.2	13.1	25.7	22.1	16.7	5.8	1.2	1.2	...
Slash pine	9.9	...	2.7	...	2.0	...	1.4	1.2	2.6	...	...
Shortleaf pine	356.4	42.6	66.9	84.6	72.2	53.5	24.8	7.1	3.1	1.7	...
Loblolly pine	1,353.9	130.8	231.7	261.7	205.5	178.6	107.0	84.8	57.4	92.7	3.6
Virginia pine	143.1	37.9	42.5	34.8	15.1	8.8	2.7	1.4	...	...	...
Spruce pine	1.5	...	...	...	...	1.5	...	...	...	...	...
Redcedar	5.3	0.2	2.2	0.6	0.8	...	1.5	...	...	...	...
Hemlock	1.1	...	...	1.1	...	...	...	...	...	...	...
Cypress	14.4	...	2.5	1.1	...	...	...	1.6	...	4.9	4.3
Total	1,987.8	217.7	358.8	397.0	321.1	264.5	154.1	101.8	64.2	100.6	7.9
Hardwood:											
Select white oaks	149.8	13.2	22.0	36.2	24.6	14.5	16.4	4.6	6.0	11.2	1.3
Select red oaks	59.4	0.9	5.9	2.7	11.1	12.8	9.4	10.8	0.9	4.8	...
Other white oaks	132.4	17.8	24.6	23.4	17.9	12.9	14.2	9.2	6.7	5.5	...
Other red oaks	463.2	35.3	66.8	73.8	75.9	59.5	49.7	30.6	19.4	47.8	4.4
Bitter pecan	1.3	...	...	...	...	...	...	...	...	1.3	...
Other hickories	153.0	12.1	26.3	29.3	25.2	26.3	19.0	3.8	5.5	5.3	...
Persimmon	2.3	0.5	0.6	...	...	1.2	...	...	...	...	...
Soft maple	42.5	4.1	8.7	10.9	5.7	3.9	1.0	5.1	2.1	1.1	...
Beech	11.0	0.7	...	...	1.0	1.0	3.4	0.8	...	4.0	...
Sweetgum	340.1	36.7	71.0	62.2	66.8	49.0	23.8	15.4	5.3	9.8	...
Blackgum	111.3	9.9	23.4	27.5	21.1	16.6	6.5	2.2	2.0	2.1	...
Other gums	83.1	4.9	17.3	19.0	16.4	9.1	7.1	7.2	1.1	...	1.1
White ash	1.4	0.2	1.3	...	...	...	...	...	...	...	...
Other ashes	29.1	0.9	1.9	3.9	5.1	6.7	4.2	2.0	4.3	...	...
Sycamore	5.6	...	...	...	1.0	...	...	2.2	...	...	2.4
Yellow-poplar	117.0	7.4	10.3	14.9	21.3	30.3	9.3	11.6	6.5	5.5	...
Magnolia	1.1	...	...	1.1	...	...	...	...	...	...	...
Sweetbay	35.8	5.1	14.9	5.6	3.8	3.3	3.1	...	...	...	...
Willow	4.3	1.0	0.7	0.8	1.0	0.9	...	...	...	...	...
Black cherry	7.7	1.5	3.2	3.1	...	...	...	...	...	...	...
American elm	12.8	...	2.4	2.6	0.9	2.1	1.0	0.8	1.9	1.1	...
Other elms	13.4	1.5	3.6	1.8	3.9	0.8	...	1.9	...	...	...
River birch	22.5	3.1	4.3	4.7	5.6	2.8	1.1	1.0	...	...	...
Hackberry	34.0	1.6	2.8	2.8	4.6	3.6	7.0	4.1	3.1	4.3	...
Other locusts	2.4	0.6	0.9	...	0.9	...	...	...	...	...	...
Sassafras	2.3	2.3	...	...	...	...	...	...	...	...	...
Dogwood	4.3	3.1	0.9	0.3	...	...	...	...	...	...	...
Total	1,843.3	164.3	313.7	326.5	313.9	257.4	176.4	113.3	64.8	103.8	9.2
All species	3,831.1	382.0	672.5	723.6	635.0	521.9	330.4	215.2	129.0	204.4	17.1

¹ Totals may not add due to rounding.

Table 27.--Growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by diameter class and species,¹ 1982

Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
----- million cubic feet -----									
Softwoods:									
Longleaf pine	84.1	9.4	24.8	23.3	17.4	6.6	1.5	1.2	...
Slash pine	7.2	...	2.2	...	1.4	1.1	2.5	...	...
Shortleaf pine	213.8	65.9	63.5	50.6	23.0	6.4	2.8	1.6	...
Loblolly pine	869.9	201.1	179.3	162.6	100.3	80.8	54.8	87.7	3.4
Virginia pine	46.1	23.6	12.5	6.4	2.4	1.2	...	...	...
Spruce pine	1.6	...	...	1.6	...	...	...	...	...
Redcedar	1.6	...	0.2	...	1.4	...	...	...	...
Hemlock	0.9	0.9	...	...	...	...	...	...	...
Cypress	10.3	0.9	...	...	...	1.5	...	4.2	3.7
Total	1,235.6	301.8	282.6	244.5	145.9	97.6	61.5	94.6	7.1
Hardwoods:									
Select white oaks	65.9	...	18.0	12.5	15.3	4.2	5.3	9.7	0.9
Select red oaks	41.3	...	7.9	10.6	8.3	9.5	0.9	4.0	...
Other white oaks	58.4	...	13.8	11.2	13.6	8.8	6.2	4.8	...
Other red oaks	240.9	...	54.1	52.5	45.1	28.7	16.7	40.6	3.2
Bitter pecan	1.1	...	...	...	...	...	...	1.1	...
Other hickories	75.7	...	20.2	23.8	17.9	3.6	5.2	5.0	...
Persimmon	1.0	...	...	1.0	...	...	...	...	...
Soft maple	16.5	...	4.3	3.5	0.9	4.9	1.9	1.0	...
Beech	9.6	...	0.8	0.9	3.4	0.8	...	3.7	...
Sweetgum	132.5	...	49.2	42.8	20.4	11.8	3.6	4.7	...
Blackgum	43.5	...	16.8	14.6	6.2	2.0	1.9	1.9	...
Other gums	36.5	...	13.0	8.2	6.7	6.7	1.0	...	0.9
Other ashes	19.7	...	3.8	6.1	3.9	1.9	4.0	...	...
Sycamore	4.9	...	0.9	...	...	2.1	...	...	2.0
Yellow-poplar	72.7	...	16.5	26.4	8.4	10.5	5.8	5.0	...
Sweetbay	8.3	...	2.8	2.9	2.6	...	...	...	...
Willow	1.7	...	0.8	0.8	...	...	...	...	...
American elm	6.8	...	0.7	1.9	0.9	0.5	1.8	1.0	...
Other elms	5.5	...	2.9	0.8	...	1.8	...	...	...
River birch	8.8	...	4.5	2.3	1.0	1.0	...	...	...
Hackberry	23.6	...	3.3	3.2	6.5	3.9	2.9	3.9	...
Other locusts	0.6	...	0.6	...	...	...	...	...	...
Total	875.5	...	235.2	226.0	161.2	102.5	57.2	86.5	7.0
All species	2,111.1	301.8	517.8	470.5	307.1	200.1	118.7	181.1	14.1

¹ Totals may not add due to rounding.

Table 28.--Volume of timber on commercial forest land by species and class of timber,¹ 1982

Species	All live	Growing stock	Rough	Rotten
- - - - - million cubic feet - - - - -				
Softwood:				
Longleaf pine	103.0	102.3	0.7	...
Slash pine	10.5	9.9	...	0.6
Shortleaf pine	364.6	356.4	6.9	1.3
Loblolly pine	1,415.1	1,353.9	52.7	8.5
Virginia pine	149.8	143.1	6.2	0.5
Spruce pine	1.5	1.5	...	...
Redcedar	5.5	5.3	0.2	...
Hemlock	1.1	1.1	...	...
Cypress	15.5	14.4	1.0	...
Total	2,066.6	1,987.8	67.8	11.0
Hardwood:				
Select white oaks	175.9	149.8	18.8	7.4
Select red oaks	69.6	59.4	7.2	2.9
Other white oaks	169.6	132.4	23.2	13.9
Other red oaks	559.9	463.2	64.4	32.2
Bitter pecan	1.3	1.3	...	...
Other hickories	181.9	153.0	17.7	11.2
Persimmon	4.6	2.3	2.3	...
Soft maple	73.2	42.5	27.1	3.5
Boxelder	0.2	...	0.2	...
Beech	25.9	11.0	6.4	8.5
Sweetgum	406.1	340.1	38.3	27.7
Blackgum	145.4	111.3	22.3	11.8
Other gums	93.8	83.1	6.0	4.7
White ash	1.9	1.4	0.4	...
Other ashes	35.6	29.1	5.8	0.7
Sycamore	8.0	5.6	2.3	...
Cottonwood	1.0	...	...	1.0
Yellow-poplar	134.4	117.0	5.9	11.5
Magnolia	1.1	1.1	...	...
Sweetbay	57.2	35.8	8.6	12.8
Willow	6.1	4.3	1.8	...
Black cherry	9.2	7.7	1.5	...
American elm	20.2	12.7	6.5	1.0
Other elms	19.0	13.4	4.9	0.7
River birch	27.0	22.4	3.5	1.0
Hackberry	43.0	34.0	6.8	2.3
Other locusts	2.4	2.4	...	...
Sassafras	5.5	2.3	2.3	0.9
Dogwood	4.4	4.3	0.1	...
Holly	0.3	...	0.3	...
Other commercial	3.8	...	2.7	1.1
Total	2,287.7	1,843.3	287.5	157.0
Noncommercial	67.0	...	67.0	...
All species	4,421.3	3,831.1	422.3	168.0

¹ Totals may not add due to rounding.

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1983. Forest statistics for West Central
Alabama counties. U.S. Dep. Agric. For.
Serv. Resourc. Bull. SO-93 15p. South. For.
Exp. Stn., New Orleans, La.

Tabulates forest resource information from a new
inventory of the West Central Unit of Alabama.

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