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Forest Statistics for Southwest-North Alabama Counties

Staff: Forest Inventory and Analysis Research Work Unit



FOREST STATISTICS FOR SOUTHWEST-NORTH ALABAMA COUNTIES

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These tables were derived from data obtained during a 1982 inventory of 7 counties comprising the Southwest-North 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.

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Commercial forest land--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.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

Table 1.--Sampling errors¹ for forest land and timber volume, 1922

County	Commercial forest land	Growing stock	Sawtimber
----- ■ percent ■-----			
Choctaw	1	9	11
Clarke	1	6	8
Conecuh	1	12	14
Marengo	1	9	10
Monroe	2	8	10
Sumter	2	11	14
Wilcox	2	10	12
All counties	0.6	3.3	4.1

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:

$$SEG = \frac{SET \sqrt{X_T}}{\sqrt{X_G}}$$

Physiographic site--A classification of forest land accordin to its suitability 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	22	
Slash pine	27	33
Shortleaf pine	10	11
Loblolly pine	6	7
Spruce pine	20	21
Redcedar	39	(1)
Cypress	40	41
Total		
Hardwood:		
Select white oaks	14	16
Select red oaks	20	22
Other white oaks	18	21
Other red oaks	9	12
Bitter pecan	(1)	(1)
Other hickories	14	16
Persimmon	39	(1)
Hard maple	38	(1)
Soft maple	19	41
Boxelder	(1)	(1)
Beech	22	24
Sweetgum	10	13
Blackgum	24	22
Other gums	45	46
White ash	38	(1)
Other ashes	25	30
Sycamore	32	32
Cottonwood	(1)	(1)
Basswood	45	(1)
Yellow-poplar	16	18
Magnolia	32	47
Sweetbay	31	38
Willow	(1)	(1)
Black walnut	(1)	(1)
Black cherry	(1)	...
American elm	26	32
Other elms	19	26
River birch	(1)	(1)
Hackberry	28	30
Dogwood	20	...
Holly	42	...
Other hardwoods	42	41
Total	4.5	5.4
All species	3.3	4.1

¹ Exceeds 50 percent.

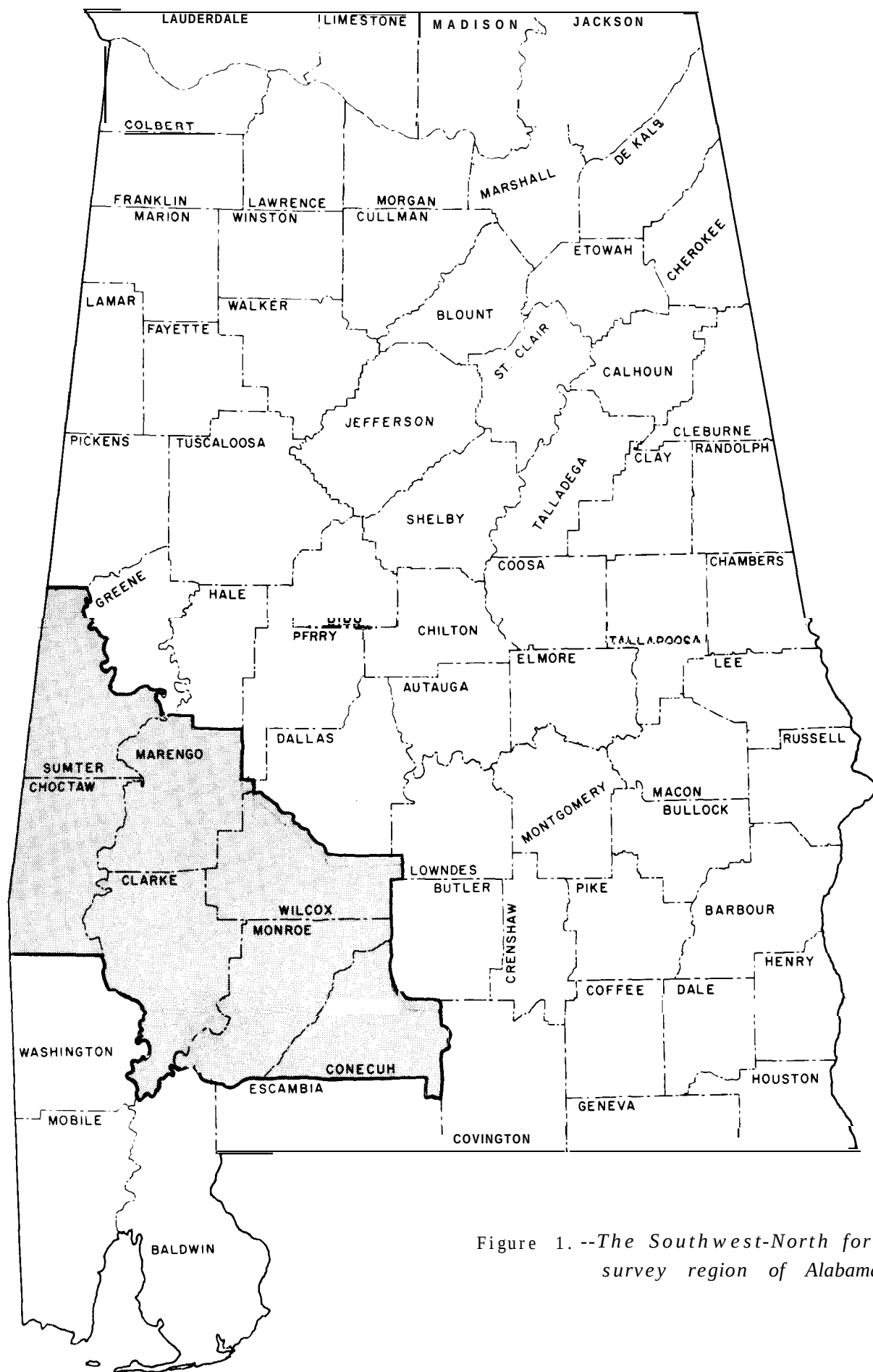


Figure 1. --The Southwest-North forest survey region of Alabama.

Table 3.--Total area, *commercial forest land*,¹ 1982 and 1972

County	Total area ²	Commercial 1982	forest 1972
<i>thousand acres</i>			
Choctaw	590.7	530.7	504.0
Clarke	802.6	733.9	722.4
Conecuh	544.0	447.5	428.4
Marengo	625.9	374.6	402.6
Monroe	666.9	519.7	508.8
Sumter	589.4	367.5	390.6
Wilcox	581.1	408.7	421.8
All counties	4,400.6	3,382.5	3,378.6

¹ Totals may not add due to rounding.² 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
<i>thousand acres</i>						
Choctaw	530.7	.	...	174.8	99.9	256.0
Clarke	733.9	.	11.2	257.7	84.0	380.9
Conecuh	447.5	.	...	181.6	129.7	136.2
Marengo	374.6	.	...	74.9	106.1	193.5
Monroe	519.7	.	10.6	164.4	212.1	132.6
Sumter	367.5	.	6.0	120.5	120.5	120.5
Wilcox	408.7	.	11.5	69.1	184.2	143.9
All counties	3,382.5	.	39.3	1,042.9	936.6	1,363.6

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	Nonstocked areas
<i>thousand acres</i>							
Choctaw	530.7	.	243.5	124.9	106.1	56.2	...
Clarke	733.9	22.4	291.3	151.3	117.6	145.7	5.6
Conecuh	447.5	51.9	103.8	103.8	116.7	51.9	19.5
Marengo	374.6	6.2	168.6	49.9	68.7	81.2	...
Monroe	519.7	58.3	148.5	122.0	122.0	53.0	15.9
Sumter	367.5	.	114.5	84.3	114.5	48.2	6.0
Wilcox	408.7	5.8	178.5	63.3	80.6	63.3	17.3
All counties	3,382.5	144.6	1,248.5	699.5	726.2	499.4	64.3

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
<i>thousand acres</i>					
Choctaw	530.7	193.5	181.0	156.1	...
Clarke	733.9	324.9	218.5	184.9	5.6
Conecuh	447.5	90.8	116.7	220.5	19.5
Marengo	374.6	212.3	68.7	93.6	...
Monroe	519.7	222.7	132.6	148.5	15.9
Sumter	367.5	138.6	84.3	138.6	6.0
Wilcox	408.7	190.0	86.4	115.1	17.3
All counties	3,382.5	1,372.8	888.2	1,057.3	64.3

1 Totals may not add due to rounding.

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

County	classes	65m or less	12ft ³ to 65	85-120 ft ³	50-85 ft ³	Less than 50 ft ³
<i>thousand acres</i>						
Choctaw	530.7	31.2	149.8	274.7	74.9	...
Clarke	733.9	11.2	218.5	296.9	184.9	22.4
Conecuh	447.5	45.4	201.0	181.6	19.5	...
Marengo	374.6	6.2	93.6	218.5	56.2	...
Monroe	519.7	15.9	137.9	175.0	148.5	42.4
Sumter	367.5	18.1	114.5	168.7	60.2	6.0
Wilcox	408.7	23.0	103.6	184.2	92.1	5.8
All counties	3,382.5	151.1	1,019.0	1,499.6	636.3	76.6

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
<i>thousand acres</i>				
Choctaw	530.7	430.8	37.5	62.4
Clarke	733.9	571.4	5.6	156.9
Conecuh	447.5	382.6	...	64.8
Marengo	374.6	287.2	6.2	81.2
Monroe	519.7	434.8	5.3	79.5
Sumter	367.5	301.2	12.0	54.2
Wilcox	408.7	333.9	11.5	63.3
All counties	3,382.5	2,741.9	78.2	562.4

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	1,372.8	77.0	528.2	603.3	164.3	...
Poletimber	888.2	19.0	191.5	448.1	213.1	16.5
Sapling and seedling	1,057.3	48.6	287.1	430.4	236.8	54.3
Nonstocked areas	64.3	6.5	12.1	17.8	22.1	5.8
All classes	3,382.5	151.1	1,019.0	1,499.6	636.3	76.6

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	Nonstocked areas
----- thousand acres -----							
Sawtimber	1,372.8	45.6	632.1	199.5	191.7	303.8	...
Poletimber	888.2	28.9	322.0	161.8	228.5	147.0	...
Sapling and seedling	1,057.3	70.1	294.3	338.2	306.0	48.6	...
Nonstocked areas	64.3	...	...	...	...	...	64.3
All classes	3,382.5	144.6	1,248.5	699.5	726.2	499.4	64.3

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 -----								
Choctaw	627.9	383.2	365.5	17.8	244.7	86.9	84.4	73.3
Clarke	935.4	516.6	487.1	29.4	418.9	132.0	152.6	134.2
Conecuh	342.7	159.7	159.7	...	183.0	53.7	67.8	61.5
Marengo	502.2	300.5	289.4	11.1	201.6	97.9	40.1	63.7
Monroe	581.7	334.9	328.3	6.6	246.8	93.3	82.0	71.5
Sumter	426.2	225.0	223.7	1.3	201.2	82.3	51.4	67.5
Wilcox	485.3	293.3	292.3	1.0	192.0	93.1	37.9	60.9
All counties	3,901.4	2,213.2	2,146.0	67.2	1,688.1	639.2	516.3	532.7

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 - - - - -								
Choctaw	395.3	295.0	278.2	16.8	100.3	42.1	30.4	27.8
Clarke	583.8	394.8	371.1	23.7	189.0	65.4	64.0	59.7
Conecuh	192.5	112.5	112.5	...	80.0	29.4	27.5	23.1
Marengo	321.4	212.8	203.2	9.6	108.6	59.1	15.4	34.1
Monroe	362.5	236.7	230.4	6.3	125.7	57.0	34.8	34.0
Sumter	283.3	185.6	185.1	0.5	97.6	43.8	18.0	35.8
Wilcox	323.1	222.9	222.9	...	100.2	58.6	11.6	30.0
All counties	2,461.9	1,660.3	1,603.4	57.0	801.5	355.5	201.5	244.5

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
----- <i>million board feet</i> -----								
Choctaw	2,365.3	1,771.0	1,655.4	115.7	594.3	253.3	180.1	160.9
Clarke	3,593.3	2,466.2	2,312.4	153.7	1,127.1	389.7	377.1	360.3
Conecuh	1,155.5	685.1	685.1	...	470.4	177.1	161.0	132.3
Marengo	1,903.5	1,254.3	1,192.9	61.4	649.2	361.4	96.3	191.5
Monroe	2,178.0	1,417.4	1,375.1	42.3	760.6	356.7	209.8	194.1
Sumter	1,754.9	1,162.9	1,160.8	2.1	592.0	270.4	110.8	210.8
Wilcox	1,979.0	1,371.9	1,371.9	...	607.0	362.5	69.8	174.8
All counties	14,929.4	10,128.9	9,753.6	375.3	4,800.6	2,171.0	1,204.8	1,424.7

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 - - - - -							
Choctaw	383.2	...	276.4	73.1	14.2	19.5	...
Clarke	516.6	10.6	360.4	98.7	16.1	30.8	...
Conecuh	159.7	7.1	51.7	58.2	17.2	7.4	...
Marengo	300.5	45.7	253.8	26.9	5.2	7.6	...
Monroe	334.9	...	202.9	60.1	16.7	9.5	...
Sumter	225.0	...	175.2	33.0	15.3	1.5	...
Wilcox	293.3	8.7	222.8	35.9	16.2	7.7	2.1
All counties	2,213.2	97.3	1,543.1	385.9	100.9	84.0	2.1

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	Nonstocked areas
----- million cubic feet -----							
Choctaw	244.7	2.6	38.8	52.6	67.7	85.6	...
Clarke	418.9	3.0	60.4	84.1	64.7	207.1	...
Conecuh	183.0		6.9	37.4	69.4	66.2	...
Marengo	201.6	3.6	32.0	21.5	53.3	91.2	...
Monroe	246.8	2.4	40.5	43.7	100.8	56.6	2.8
Sumter	201.2		18.0	19.5	105.4	57.2	1.1
Wilcox	192.0	1.1	29.7	22.2	69.8	68.0	1.0
All counties	1,688.1	12.7	226.4	281.1	531.2	631.9	4.9

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 -----							
Choctaw	295.0	...	205.5	60.5	10.6	18.4	...
Clarke	394.8	10.0	267.0	80.1	11.5	26.3	...
Conecuh	112.5	13.2	32.2	48.4	11.8	6.9	...
Marengo	212.8	6.7	173.8	21.2	4.0	7.2	...
Monroe	236.7	28.7	140.9	45.1	13.1	9.0	...
Sumter	185.6	...	142.5	27.3	14.4	1.4	...
Wilcox	222.9	8.1	167.0	27.2	13.0	6.5	1.1
All counties	1,660.3	66.6	1,128.9	309.7	78.4	75.7	1.1

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	Nonstocked areas
----- million cubic feet -----							
Choctaw	100.3	...	12.0	21.4	26.7	40.3	...
Clarke	189.0	1.7	25.2	30.5	25.0	106.6	...
Conecuh	80.0	2.2	2.8	20.1	26.9	27.9	...
Marengo	108.6	1.1	8.8	12.5	23.3	62.9	...
Monroe	125.7	1.3	12.3	20.3	57.9	32.1	1.9
Sumter	97.6	...	5.0	7.9	58.9	24.9	0.9
Wilcox	100.2	0.9	12.6	8.8	34.9	42.9	...
All counties	801.5	7.2	78.8	121.7	253.5	337.6	2.8

¹ Totals may not add due to rounding.

Table 18.-- *Growing-stock volume of softwood8 on commercial forest land by stand-size class,¹ 1982*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
- - - - - million cubic feet - - - - -					
Choctaw	383.2	270.3	79.2	33.8	...
Clarke	516.6	344.2	148.1	24.3	...
Conecuh	159.7	66.1	56.8	36.8	...
Marengo	300.5	218.7	67.6	14.2	...
Monroe	334.9	219.7	92.0	23.2	...
Sumter	225.0	172.1	36.1	16.7	...
Wilcox	293.3	219.4	62.9	8.9	2.1
All counties	2,213.2	1,510.6	542.6	158.0	2.1

¹ Totals may not add due to rounding.

Table 19.-- *Growing-stock volume of hardwood8 on commercial forest land by stand-size class,¹ 1982*

county	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
- - - - - million cubic feet - - - - -					
Choctaw	244.7	112.9	118.2	13.6	...
Clarke	418.9	291.0	110.5	17.3	...
Conecuh	183.0	84.3	79.1	19.6	...
Marengo	201.6	153.2	36.8	11.6	...
Monroe	246.8	173.1	47.6	23.3	2.8
Sumter	201.2	112.5	67.9	19.8	1.1
Wilcox	192.0	146.4	36.8	7.8	1.0
All counties	1,688.1	1,073.4	496.9	113.0	4.9

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 - - - - -					
Choctaw	295.0	229.0	42.3	23.7	...
Clarke	394.8	301.7	80.5	12.6	...
Conecuh	112.5	55.7	37.3	19.5	...
Marengo	212.8	173.9	32.4	6.5	...
Monroe	236.7	183.2	39.9	13.7	...
Sumter	185.6	149.8	24.1	11.7	...
Wilcox	222.9	185.8	27.7	8.4	1.1
All counties	1,660.3	1,279.1	284.1	96.0	1.1

¹ Totals may not add due to rounding.

Table 21.--*Hardwood grazing-stock volume in the saw-tog 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 -----					
Choctaw	100.3	59.6	37.6	3.2	...
Clarke	189.0	151.7	34.6	2.7	...
Conecuh	80.0	49.4	7.1	6.6	...
Marengo	108.6	95.0	13.8	10.6	...
Monroe	125.7	99.4	23.3	...	1.9
Sumter	97.6	65.9	20.3	10.6	0.9
Wilcox	100.2	84.7	11.7	3.1	...
All counties	801.5	605.8	144.5	48.4	2.8

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 -----							
Choctaw	627.9	360.7	120.1	1.7	35.5	20.9	89.0
Clarke	935.4	479.5	192.4	...	9.2	37.0	217.3
Conecuh	342.7	144.7	107.2	...	...	15.0	75.8
Marengo	502.2	292.2	103.8	0.8	6.7	7.6	91.2
Monroe	581.7	305.4	167.9	0.8	9.7	28.6	69.2
Sumter	426.2	223.5	128.6	...	14.3	1.5	58.3
Wilcox	485.3	283.7	114.6	1.9	9.3	7.7	68.0
All counties	3,901.4	2,089.7	934.6	5.2	84.8	118.3	668.8

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 -----							
Choctaw	725.5	383.2	244.7	21.4	46.7	11.8	17.6
Clarke	1,053.5	516.6	418.9	13.8	70.2	3.5	30.6
Conecuh	430.6	159.7	183.0	17.4	42.2	1.4	26.8
Marengo	547.9	300.5	201.6	5.6	28.7	...	11.5
Monroe	709.6	334.9	246.8	21.0	53.2	4.3	49.3
Sumter	477.0	225.0	201.2	3.3	29.3	2.2	16.0
Wilcox	581.7	293.3	192.0	46.0	28.2	3.3	19.0
All counties	4,525.7	2,213.2	1,688.1	128.5	298.6	26.5	170.7

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	5,146	501	1,723	1,211	692	729	211	75	...	...	...
Slash pine	7,590	3,079	2,457	685	780	344	139	47	...	56	...
Shortleaf pine	39,612	12,504	11,302	5,765	6,071	2,487	786	419	244	29	...
Loblolly pine	108,844	44,407	26,851	12,990	9,999	6,863	3,457	2,445	1,169	636	23
Spruce pine					53				92	85	...
Redcedar	2,389	2,192	1,712	1,139	328	596	302	235	...	...	...
Cypress	1,457	...	422	...		84	217	95	158	150	...
Total	172,315	64,303	44,898	22,033	18,825	11,141	5,147	3,319	1,664	957	23
Hardwood:											
Select white oaks ²	9,894	3,436	2,520	1,184	769	991	360	296	163	172	...
Select red oaks ³	3,973	1,118	1,081	575	296	161	327	126	84	168	33
Other white oaks	8,015	3,173	1,810	1,604	439	511	127	91	57	186	12
Other red oaks	37,232	15,412	8,178	6,203	2,781	1,797	1,159	751	472	449	26
Bitter pecan	421	254	152	...	...	...	...	...	...	13	...
Other hickories	10,001	3,463	2,197	1,839	742	676	567	299	124	92	...
Persimmon	1,289	618	287	276	107	...	...	...	...	...	...
Hard maple	866	648	...	79	54	84	...	...	...	...	...
Soft maple	6,229	3,600	1,710	571	245	38	26	22	...	14	...
Boxelder	368	255	...	84	...	...	29	...	...	...	...
Beech	2,840	781	827	274	427	185	134	66	61	81	...
Sweetgum	52,523	27,991	12,659	6,264	3,190	1,340	484	246	211	135	...
Blackgum	10,407	4,351	2,237	2,214	1,024	358	124	76	21	...	...
Other gums	6,349	1,579	1,505	1,321	685	721	425	25	39	45	...
White ash	569	162	121	155	53	43	34	...	...	...	...
Other ashes	4,797	1,380	675	1,218	649	159	520	152	23	17	...
Sycamore	1,437	644	130	241	58	98	72	122	23	44	...
Cottonwood	...	...	...	...	...	...	...	...	...	15	...
Basswood	9::	232	359	149	129	42	...	...	...	...	...
Yellow-poplar	5,493	1,408	1,447	902	441	448	429	174	77	155	a
Magnolia	1,595	744	132	422	52	126	34	46	21	15	...
Sweetbay	4,651	1,885	1,004	873	567	218	52	49	...	...	...
Willow	262	176	...	...	...	86	...	...	...	...	...
Black walnut	45	...	...	...	...	45	...	...	...	...	...
Black cherry	116	...	116	...	...	...	...	...	...	...	...
American elm	1,742	999	147	228	108	44	101	75	22	15	...
Other elms	4,534	2,439	970	413	490	83	97	24	...	14	...
River birch	204	...	...	...	105	...	32	26	21	18	...
Hackberry	4,352	1,516	1,244	812	341	256	38	25	21	97	...
Dogwood	8,673	8,159	277	236	...	...	...	...	...	...	...
Holly	1,803	1,524	133	145	...	...	...	...	...	...	...
Other hardwoods	912	362	337	71	106	...	34	...	...	...	...
Total	192,534	88,323	42,268	28,363	13,867	8,518	5,214	2,696	1,445	1,754	81
All species	364,850	152,627	87,167	50,397	32,692	19,659	10,362	6,016	3,109	2,712	104

1 Totals may not add due to rounding.

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

3 Includes northern red, shumard, and cherry 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	21.0-28.9	29.0 & larger
----- thousand trees -----													
Softwood:													
Longleaf pine	12,539	3,188	4,003	501	1,853	1,283	692	729	211	73	...	...	...
Slash pine	43,423	12,596	22,392	3,800	2,437	753	833	344	139	47	...	56	...
Shortleaf pine	95,118	33,374	21,141	13,192	11,409	5,856	6,134	2,487	820	419	244	29	8
Loblolly pine	332,000	133,431	74,951	49,634	29,766	15,557	10,855	7,540	3,731	2,553	1,292	694	32
Spruce pine	18,921	5,452	5,942	2,198	1,718	1,139	952	725	333	283	...	85	...
Redcedar	18,899	12,023	3,377	2,431	549	345	103	36	32	...	...	...	...
Cypress	2,155	...	...	...	...	...	22,375	84	217	117	158	150	...
Total	522,428	202,067	131,808	71,777	48,177	24,936	19,946	11,948	5,485	3,497	1,727	1,016	40
Hardwood:													
Select white oaks	50,659	31,759	7,033	4,201	3,245	1,405	941	991	360	348	164	200	8
Select red oaks	11,618	6,267	1,086	1,118	1,081	671	296	161	396	126	143	223	45
Other white oaks	49,586	27,365	12,248	4,246	2,219	1,764	603	511	187	118	80	206	35
Other red oaks	283,673	189,921	47,945	19,007	9,452	7,194	3,569	2,358	1,490	1,103	751	788	91
Sweet pecan	613	594	...	...	...	...	...	...	...	...	19	...	...
Bitter pecan	5,109	2,568	2,054	254	152	...	66	...	...	...	...	13	...
Other hickories	67,305	49,125	6,913	3,629	2,471	2,000	1,139	800	624	325	145	119	10
Persimmon	30,463	25,336	3,276	1,133	287	276	152	...	...	...	...	...	...
Yard maple	8,313	5,974	1,124	932	...	79	54	84	34	28	...	...	...
Soft maple	123,877	89,589	24,505	4,921	3,019	1,226	304	116	26	106	22	38	...
Boxelder	1,059	...	572	254	...	158	...	44	29	...	...	...	...
Beech	10,549	6,010	1,144	781	827	274	542	230	216	153	61	264	41
Sweetgum	124,353	291,150	70,916	33,855	14,671	6,842	3,838	1,571	730	342	254	150	8
Blackgum	83,272	57,156	11,912	6,651	3,344	2,379	1,086	408	187	76	40	29	...
Other gums	8,083	594	...	2,279	1,505	1,481	803	852	456	25	39	45	...
White ash	10,817	9,104	1,100	162	121	155	53	43	34	21	21	...	...
Other ashes	31,938	16,444	8,588	2,547	1,153	1,357	700	310	551	174	23	83	4
Sycamore	5,424	1,189	2,744	644	130	241	58	136	72	122	23	44	15
Cottonwood	15	...	...	...	...	...	...	...	...	...	...	15	...
Basswood	2,797	1,014	527	232	470	230	129	123	25	22	21	...	...
Yellow-poplar	18,151	10,194	2,117	1,408	1,447	902	496	570	429	201	167	189	25
Magnolia	10,280	8,225	...	974	132	422	113	176	66	67	43	48	8
Sweetbay	25,728	15,202	4,162	2,265	1,659	1,034	752	332	178	91	21	27	...
Willow	3,392	1,628	1,055	495	...	...	57	135	...	...	21	...	...
Black walnut	1,628	1,055	527	...	...	...	...	45	...	...	...	...	...
Black cherry	21,909	15,219	5,969	254	259	185	...	...	...	...	19	...	...
American elm	10,493	7,134	1,027	1,273	393	228	108	44	134	98	22	30	...
Other elms	38,075	27,572	4,759	3,328	970	668	490	121	97	51	...	14	...
River birch	2,491	2,127	...	...	113	...	105	...	32	71	21	18	...
Hackberry	14,180	6,428	1,618	2,356	1,625	1,126	391	256	71	124	85	97	...
Black locust	972	486	486	...	...	...	...	...	...	...	...	...	...
Other locusts	91	...	...	...	...	91	...	...	...	...	...	...	...
Sassafras	12,630	11,572	1,058	...	...	...	...	...	...	...	...	...	...
Dogwood	180,668	139,311	31,756	8,685	678	236	...	...	...	...	...	...	...
Holly	51,915	44,730	4,361	2,036	396	337	52	...	...	...	...	...	...
Other hardwoods	14,209	7,111	4,774	1,262	715	149	161	...	34	...	...	...	...
Total	4,616,277	4,109,166	267,369	111,198	55,548	33,121	17,089	10,425	6,471	3,803	2,215	2,649	294
Noncommercial	260,232	213,241	32,592	7,312	4,790	1,610	552	77	63	...	...	...	...
All species	2,399,013	1,524,474	431,769	190,290	105,505	59,669	37,588	22,451	12,020	7,300	3,942	3,665	334

1 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	84.1	1.4	11.3	17.8	16.7	23.1	9.6	4.1	...	...	...
Shortleaf pine	466.9	16.8	818.7	810.2	137.8	110.0	6.3	3.0	...	6.1	...
Loblolly pine	1,386.3	92.9	195.1	182.6	231.2	228.2	35.4	25.1	18.1	3.0	...
Spruce pine	111.8	3.1	11.6	15.1	19.3	11.3	156.6	143.5	87.7	63.2	5.2
Redcedar	9.9	1.7	1.8	2.8	0.7	2.5	13.7	13.3	7.0	9.2	...
Cypress	57.3	...	3.1	...	7.6	...	1.5	...	...	...	...
Total	2,213.2	121.2	323.4	315.1	430.4	367.6	233.1	194.8	124.8	97.7	5.2
Hardwood:											
Select white oaks	116.3	1.6	11.8	14.6	14.4	27.0	12.8	13.3	8.6	12.2	...
Select red oaks	65.5	0.1	9.6	5.9	5.6	4.9	11.1	5.8	4.8	13.4	4.3
Other white oaks	79.0	5.2	9.2	16.6	7.2	12.4	4.5	3.9	2.8	15.1	2.2
Other red oaks	378.4	23.2	47.1	72.8	50.8	46.8	41.2	32.6	24.6	35.9	3.3
Bitter pecan	2.4	0.6	0.6	...	...	...	...	...	...	1.2	...
Other hickories	104.0	9.0	9.7	17.5	10.9	13.1	18.4	11.7	6.8	6.9	...
Persimmon	6.3	1.2	1.5	2.1	1.5	...	...	...	...	...	...
Hard maple	5.0	1.8	...	0.7	0.7	1.7	...	...	...	...	...
Soft maple	29.4	11.0	7.7	4.3	2.4	0.9	0.9	1.0	...	1.1	...
Boxelder	2.0	0.6	...	0.6	...	...	0.8	...	...	...	...
Beech	34.0	2.5	4.1	2.7	6.0	3.2	3.8	2.7	2.9	6.0	...
Sweetgum	366.5	50.7	75.8	78.8	65.9	38.1	18.9	12.7	13.3	12.3	...
Blackgum	76.4	11.5	12.1	20.8	15.6	8.3	4.0	3.0	1.1	...	...
Other gums	73.4	4.2	8.6	14.2	11.2	15.6	12.9	0.7	1.9	4.0	...
White ash	6.1	0.5	0.6	2.1	0.9	1.0	1.0	...	...	...	...
Other ashes	60.5	5.6	5.1	11.2	10.0	3.7	16.3	6.6	1.1	1.0	...
Sycamore	24.6	4.6	1.5	3.3	0.9	2.1	1.8	5.4	1.2	3.8	...
Cottonwood	1.2	...	...	...	...	...	...	...	...	1.2	...
Basswood	6.2	0.6	1.6	1.5	1.7	0.8	...	...	...	...	...
Yellow-poplar	83.3	4.6	8.9	9.0	7.9	11.9	14.1	8.1	4.4	13.1	1.3
Magnolia	17.0	1.3	0.8	3.9	1.2	3.3	1.1	2.5	1.2	1.5	...
Sweetbay	32.5	5.0	5.2	6.9	7.1	4.6	1.6	2.1	...	...	...
Willow	2.5	0.6	...	...	...	1.9	...	...	...	...	...
Black walnut	0.8	...	...	...	...	0.8	...	...	...	...	...
Black cherry	0.3	...	0.3	...	...	...	...	...	...	...	...
American elm	16.7	3.1	0.8	2.1	1.7	1.0	2.8	3.1	1.1	1.1	...
Other elms	28.5	7.1	4.5	4.0	6.6	1.8	2.6	0.8	...	1.1	...
River birch	4.9	...	...	...	1.2	...	0.8	0.8	1.1	1.0	...
Hackberry	37.1	4.2	6.2	7.2	4.4	5.3	0.8	1.0	1.0	7.0	...
Dogwood	18.8	16.5	0.9	1.4	...	...	...	...	...	...	...
Holly	3.8	2.2	0.3	1.3	...	...	...	...	...	...	...
Other hardwoods	4.7	1.3	0.9	0.3	1.2	...	0.9	...	...	...	...
Total	1,688.1	180.6	235.5	306.0	236.9	210.2	173.4	117.7	77.8	138.9	11.1
All species	3,901.4	301.8	558.9	621.1	667.3	577.8	406.5	312.5	202.6	236.6	16.3

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
<i>million cubic feet</i>									
Softwood:									
Longleaf pine	66.7	15.9	15.8	21.9	9.1	3.9	.	.	.
Slash pine	49.2	9.3	15.8	9.4	6.0	2.9	.	5.8	.
Shortleaf pine	364.6	78.5	128.7	79.1	33.9	24.1	17.4	3.0	.
Loblolly pine	1,032.3	161.7	217.7	216.9	150.2	137.3	83.7	59.9	4.9
Spruce pine	90.5	13.0	18.0	18.5	13.0	1.5	6.6	8.7	.
Red cedar	55.5	2.2	0.5	1.3	7.2	2.4	9.6	11.4	15.5
							5.5		
Total	1,660.5	280.7	599.8	527.4	368.0	286.3	184.9	203.2	11.5
Hardwood:									
Select white oaks	75.3	...	10.9	23.1	12.1	12.0	7.3	9.9	...
Select red oaks	40.0	...	4.4	4.2	10.3	5.0	3.9	9.8	2.4
Other white oaks	41.3	...	6.7	11.8	4.2	3.7	2.6	11.2	1.0
Other red oaks	199.0	...	39.8	41.2	37.7	29.6	21.6	27.1	1.9
Bitter pecan	1.0	...	...	...	...	...	...	1.0	...
Other hickories	52.9	...	9.1	10.0	13.7	4.7	5.3	6.1	...
Persimmon	1.3	...	1.3	...	...	...	...	...	...
Hard maple	2.1	...	0.6	1.6	...	...	...	...	...
Soft maple	5.6	...	2.6	0.6	0.7	0.8	...	0.9	...
Boxelder	0.7	...	...	...	0.7	...	...	...	...
Beech	20.5	...	5.1	2.8	2.8	2.1	2.5	5.2	...
Sweetgum	143.8	...	57.5	36.8	18.3	11.5	11.0	8.6	...
Blackgum	24.7	...	12.4	6.2	2.9	2.2	0.9	...	...
Other gums	33.1	...	7.6	10.5	9.5	0.5	1.6	3.4	...
White ash	2.1	...	0.7	0.7	0.7	...	...	...	...
Other ashes	29.2	...	8.3	2.6	11.7	4.9	0.9	0.9	...
Sycamore	12.0	...	0.7	1.5	1.4	4.0	1.0	3.3	...
Cottonwood	1.1	...	...	...	...	...	...	1.1	...
Basswood	2.2	...	1.5	0.6	...	...	...	...	...
Yellow-poplar	47.8	...	6.0	9.3	10.1	6.1	3.5	11.6	1.3
Magnolia	10.0	...	1.2	3.4	1.1	2.3	1.1	1.0	...
Sweetbay	12.8	...	6.6	3.4	1.3	1.6	...	...	...
Willow	1.3	...	...	1.3	...	...	...	...	...
Black walnut	0.6	...	...	0.6	...	...	...	...	...
American elm	8.5	...	1.4	0.7	2.1	2.5	0.9	1.0	...
Other elms	10.3	...	5.4	1.3	1.9	0.7	...	1.0	...
River birch	4.3	...	1.2	...	0.7	0.7	0.9	0.9	...
Hackberry	16.2	...	4.0	3.8	0.6	0.8	0.8	6.1	...
Other hardwoods	1.9	...	1.2	...	0.7	...	...	...	...
Total	801.5	196.7	1,007.8	610.0	144.7	99.8	65.7	111.7	46.7
All species	2,461.9	280.7	599.8	527.4	368.0	286.3	184.9	203.2	11.5

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	85.5	84.1	1.4	...
Slash pine	80.8	77.0	3.8	...
Shortleaf pine	492.2	486.9	3.9	1.4
Loblolly pine	1,517.4	1,386.3	108.9	22.2
Spruce pine	120.6	111.8	7.6	1.2
Redcedar	12.6	9.9	1.5	1.2
Cypress	59.1	57.3	1.3	0.5
Total	2,368.3	2,213.2	128.5	26.5
Hardwood:				
Select white oaks	128.0	116.3		2.3
Select red oaks	78.1	65.5	9.4	3.1
Other white oaks	92.7	79.0	10.3	3.3
Other red oaks	497.1	378.4	62.6	56.2
Sweet pecan	0.9	...	0.9	...
Bitter pecan	3.0	2.4	0.6	...
Other hickories	122.2	104.0	11.5	6.7
Persimmon	8.0	6.3	1.7	...
Hard maple	7.6	5.0	2.6	...
Soft maple	49.7	29.4		7.3
Boxelder	2.9	2.0	10.4	0.5
Beech	61.2	34.0	6.1	21.1
Sweetgum	431.5	366.5	44.3	20.7
Blackgum	89.3	76.4	6.7	6.2
Other gums	82.6	73.4	7.7	1.5
White ash	7.9	6.1	1.8	
Other ashes	77.9	60.5	10.5	6.9
Sycamore	28.0	24.6	2.8	0.6
Cottonwood	1.2	1.2	...	...
Basswood	12.4	6.2	3.4	2.8
Yellow-poplar	97.7	83.3	5.1	9.3
Magnolia	27.3	17.0	2.9	7.5
Sweetbay	50.2	32.5	9.5	8.1
Willow	5.5	2.5	3.1	...
Black walnut	0.8	0.8	...	...
Black cherry	4.0	0.3	3.7	...
American elm	21.3	16.7	3.3	0.8
Other elms	32.9	28.5	2.0	0.21.1
River birch	7.2	4.9		
Hackberry	50.3	37.1	9.4	3.7
Other locusts	0.7	...	0.7	...
Dogwood	19.6	18.8	0.8	...
Holly	5.8	3.8	1.2	0.8
Other hardwoods	6.9	4.7	2.1	0.1
Total	2,112.3	1,688.1	253.5	170.7
Noncommercial	45.1	...	45.1	...
All species	4,525.7	3,901.4	427.1	197.2

¹ Totals may not add due to rounding.

STAFF OF FOREST INVENTORY AND ANALYSIS WORK
UNIT, SOUTHERN FOREST EXPERIMENT STATION.

1983. Forest statistics for Southwest-North
Alabama counties. U.S. Dep. Agric. For.
Serv. **Resourc.** Bull. SO-92 15p. South. For.
Exp. Stn., New Orleans, La.

Tabulates forest resource information from a new
inventory of the Southwest-North Unit of Alabama.

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