United States
Department of
Agriculture

Forest Service

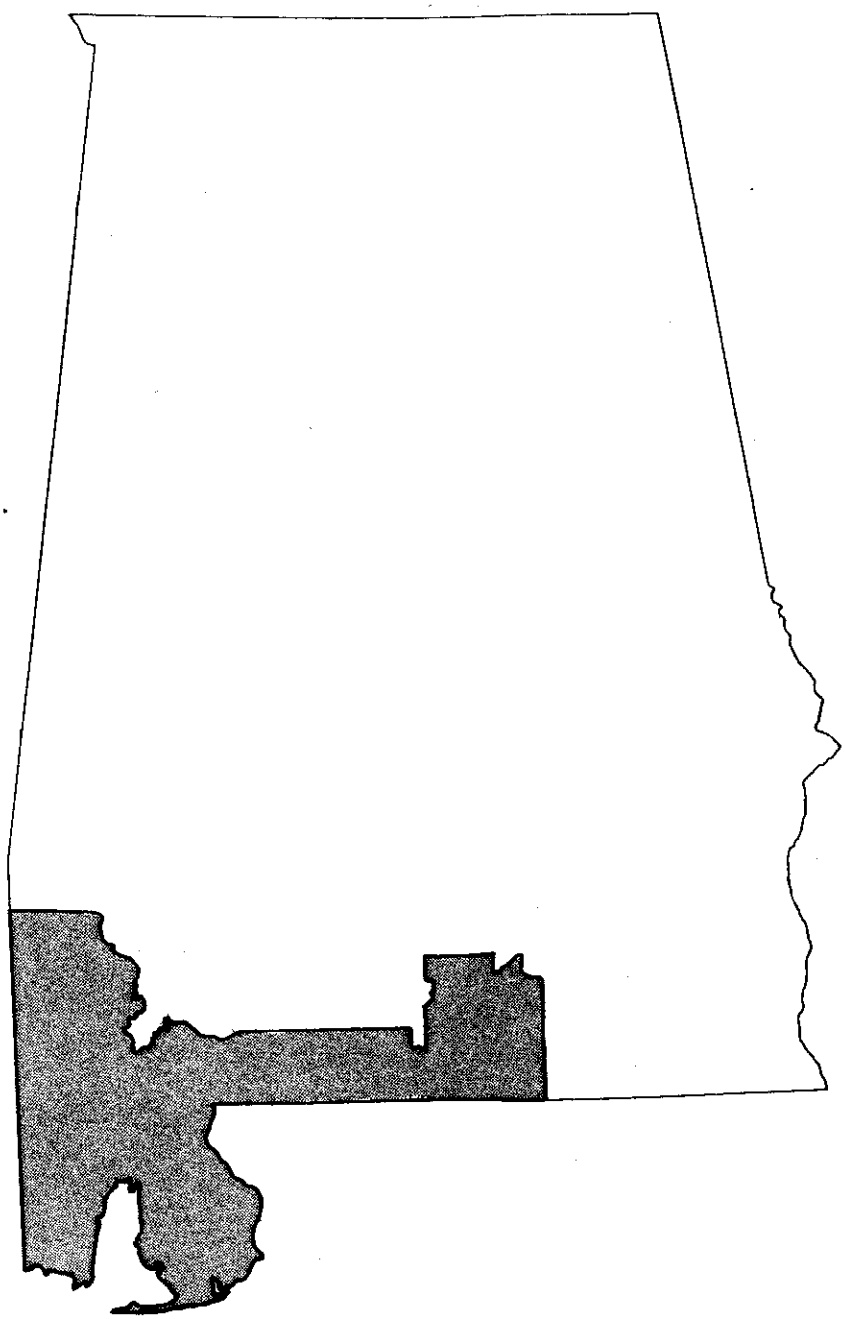
**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-91
February, 1983

Forest Statistics for Southwest-South Alabama Counties

Staff: Forest Inventory and Analysis
Research Work Unit



FOREST STATISTICS FOR SOUTHWEST-SOUTH ALABAMA COUNTIES

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These tables were derived from data obtained during a 1982 inventory of 5 counties comprising the Southwest-South 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.

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:

Table 1.--*Sampling errors*[1] *for forest land and timber volume, 1982*

County	Commercial forest land	Growing stock	Sawtimber
	percent		
Baldwin	2	9	10
Covington	2	11	15
Escambia	2	11	13
Mobile	2	12	16
Washington	1	8	9
All counties	0.8	4.4	5.5

[1] By random-sampling formula.

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

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Commercial forest land.--Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.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 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 respectively, 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 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	9	10
Slash pine	10	12
Shortleaf pine	41	48
Loblolly pine	12	14
Spruce pine	40	38
Redcedar	([1])	([1])
Cypress	35	38
Total	5.8	6.8
Hardwood:		
Select white oaks	38	41
Select red oaks	([1])	([1])
Other white oaks	23	41
Other red oaks	11	13
Sweet pecan	([1])	...
Bitter pecan	48	([1])
Other hickories	34	46
Persimmon	([1])	([1])
Soft maple	25	35
Sweetgum	19	26
Blackgum	19	22
Other gums	26	28
Ash	37	43
Sycamore	([1])	([1])
Cottonwood	([1])	([1])
Yellow-poplar	23	27
Magnolia	([1])	([1])
Sweetbay	18	23
American elm	([1])	([1])
Other elms	([1])	([1])
River birch	([1])	([1])
Hackberry	42	50
Dogwood	32	...
Holly	46	([1])
Other hardwoods	([1])	([1])
Total	7.5	9.7
All species	4.4	5.5

[1] Exceeds 50 percent.

Figure 1.--*The Southwest-South forest survey region of Alabama.*

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

County	Total area[1]	Commercial forest land 1982	Commercial forest land 1972
	thousand acres		
Baldwin	1,068.2	726.4	702.1
Covington	662.4	457.4	450.0
Escambia	615.7	508.8	490.2
Mobile	817.9	555.3	522.9
Washington	687.4	610.3	622.2
All counties	3,851.6	2,858.2	2,787.4

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					
Baldwin	726.4	...	6.0	273.9	101.2	345.3
Covington	457.4	37.1	...	136.0	185.4	98.9
Escambia	508.8	31.0	18.6	229.6	68.3	161.3
Mobile	555.3	...	12.2	73.2	85.4	384.4
Washington	610.3	...	...	67.1	85.4	457.7
All counties	2,858.2	68.1	36.8	779.8	525.8	1,447.7

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							
Baldwin	726.4	321.5	59.5	101.2	59.5	142.9	6.0	35.7
Covington	457.4	154.5	111.3	49.4	80.4	55.6	...	6.2
Escambia	508.8	279.2	49.6	86.9	24.8	68.3	...	...
Mobile	555.3	225.8	36.6	109.8	61.0	85.4	...	36.6
Washington	610.3	189.2	85.4	158.7	73.2	97.6	...	6.1
All counties	2,858.2	1,170.2	342.5	506.0	299.0	449.9	6.0	84.6

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				
Baldwin	726.4	256.0	208.4	226.3	35.7
Covington	457.4	142.2	123.6	185.4	6.2
Escambia	508.8	204.8	105.5	198.6	...
Mobile	555.3	103.7	183.1	231.9	36.6
Washington	610.3	183.1	207.5	213.6	6.1
All counties	2,858.2	889.8	828.1	1,055.7	84.6

[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					
Baldwin	726.4	6.0	17.9	166.7	416.8	119.1
Covington	457.4	30.9	92.7	160.7	166.9	6.2
Escambia	508.8	6.2	62.1	173.7	260.6	6.2
Mobile	555.3	...	6.1	140.3	323.4	85.4
Washington	610.3	6.1	24.4	292.9	268.5	18.3
All counties	2,858.2	49.2	203.1	934.4	1,436.2	235.2

[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			
Baldwin	726.4	547.8	...	178.6
Covington	457.4	395.6	6.2	55.6
Escambia	508.8	440.6	...	68.3
Mobile	555.3	439.3	...	115.9
Washington	610.3	415.0	6.1	189.2
All counties	2,858.2	2,238.3	12.3	607.6

[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	889.8	18.5	92.5	318.0	450.9	29.9
Poletimber	828.1	30.7	24.7	262.4	419.7	90.6
Sapling and seedling	1,055.7	...	85.9	341.9	543.2	84.6
Nonstocked areas	84.6	...	...	12.2	42.3	30.1
All classes	2,858.2	49.2	203.1	934.4	1,436.2	235.2

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	889.8	458.3	91.7	97.5	36.5	205.7	...	...
Poletimber	828.1	321.6	97.5	188.8	67.7	152.3	...	...
Sapling and seedling	1,055.7	390.3	153.2	219.8	194.7	91.8	6.0	...
Nonstocked areas	84.6	...	...	...	...	...	...	84.6
All classes	2,858.2	1,170.2	342.5	506.0	299.0	449.9	6.0	84.6

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							
Baldwin	724.8	450.2	414.8	35.4	274.6	42.8	155.5	76.3
Covington	366.3	249.7	249.7	...	116.6	44.3	41.3	31.0
Escambia	536.7	398.9	398.9	...	137.8	44.1	36.5	57.2
Mobile	363.7	231.8	213.9	17.9	131.9	20.2	64.8	46.9
Washington	604.3	342.8	327.5	15.3	261.5	73.2	83.9	104.4
All counties	2,595.8	1,673.3	1,604.7	68.6	922.5	224.7	381.9	315.9

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							
Baldwin	410.9	284.0	261.0	23.0	126.8	18.3	78.2	30.4
Covington	200.7	171.2	171.2	...	29.4	11.6	9.2	8.7
Escambia	315.1	259.6	259.6	...	55.4	19.1	11.4	24.9
Mobile	187.5	135.2	119.6	15.6	52.3	5.7	31.9	14.7
Washington	328.7	226.1	215.4	10.7	102.7	33.5	28.8	40.4
All counties	1,442.8	1,076.1	1,026.9	49.3	366.7	88.1	159.5	119.0

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							
Baldwin	2,394.5	1,633.6	1,500.6	132.9	761.0	115.1	466.8	179.1
Covington	1,167.4	995.4	995.4	...	172.0	68.4	53.5	50.1
Escambia	1,851.6	1,517.0	1,517.0	...	334.6	119.6	66.6	148.4
Mobile	1,074.3	767.2	677.1	90.1	307.1	30.9	190.2	86.0
Washington	1,923.0	1,300.7	1,240.4	60.2	622.3	210.0	172.6	239.7
All counties	8,410.8	6,213.9	5,930.6	283.3	2,196.9	544.0	949.6	703.2

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						
Baldwin	450.2	282.9	42.0	57.6	12.7	54.2	0.8
Covington	249.7	159.9	52.3	26.7	7.9	0.9	2.0
Escambia	398.9	316.1	27.6	42.9	4.0	8.2	...
Mobile	231.8	144.0	13.4	49.4	2.9	21.1	1.1
Washington	342.8	155.8	63.4	91.8	11.6	20.1	...
All counties	1,673.3	1,058.7	198.7	268.5	39.1	104.4	3.9

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							
Baldwin	274.6	18.8	4.2	28.8	13.8	206.3	0.6	2.2
Covington	116.6	6.9	9.9	12.0	42.5	45.3	...	...
Escambia	137.8	26.1	3.7	22.4	5.8	79.7	...	...
Mobile	131.9	11.3	6.3	21.1	4.1	89.1	...	...
Washington	261.5	12.8	8.6	64.0	55.7	120.4	...	...
All counties	922.5	76.0	32.6	148.3	121.9	540.9	0.6	2.2

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						
Baldwin	284.0	163.9	28.0	44.3	8.2	39.7	...
Covington	171.2	120.0	28.3	16.2	4.9	...	1.7
Escambia	259.6	207.9	13.7	29.8	3.7	4.7	...
Mobile	135.2	71.8	6.9	35.2	1.1	19.3	0.9
Washington	226.1	94.7	40.0	66.7	9.6	15.1	...
All counties	1,076.1	658.3	116.9	192.2	27.5	78.7	2.6

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						
Baldwin	126.8	4.2	2.3	9.2	5.4	103.9	1.8
Covington	29.4	2.1	2.2	3.1	11.1	10.9	...
Escambia	55.4	11.0	1.8	9.1	0.7	32.8	...
Mobile	52.3	7.1	1.4	3.5	1.3	39.0	...
Washington	102.7	1.4	2.6	16.5	23.1	59.2	...
All counties	366.7	25.8	10.3	41.4	41.6	245.7	1.8

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				
Baldwin	450.2	278.5	122.2	48.7	0.8
Covington	249.7	173.0	38.9	35.9	2.0
Escambia	398.9	287.1	56.5	55.3	...
Mobile	231.8	89.1	98.9	42.7	1.1
Washington	342.8	153.0	146.4	43.3	...
All counties	1,673.3	980.7	462.9	225.9	3.9

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				
Baldwin	274.6	179.0	80.0	13.5	2.2
Covington	116.6	25.5	72.2	18.8	...
Escambia	137.8	77.4	53.1	7.3	...
Mobile	131.9	70.0	48.9	13.0	...
Washington	261.5	154.7	92.2	14.6	...
All counties	922.5	506.6	346.4	67.3	2.2

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				
Baldwin	284.0	216.3	36.2	31.6	...
Covington	171.2	138.3	8.8	22.3	1.7
Escambia	259.6	214.0	18.3	27.3	...
Mobile	135.2	70.3	36.1	27.9	0.9
Washington	226.1	117.2	80.7	28.1	...
All counties	1,076.1	756.2	180.1	137.3	2.6

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				
Baldwin	126.8	100.1	20.2	4.7	1.8
Covington	29.4	10.0	16.1	3.3	...
Escambia	55.4	44.7	8.6	2.1	...
Mobile	52.3	37.6	8.9	5.7	...
Washington	102.7	81.1	19.5	2.0	...
All counties	366.7	273.6	73.4	17.8	1.8

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						
Baldwin	724.8	370.6	59.6	...	...	79.6	215.0
Covington	366.3	248.8	66.6	...	4.7	0.9	45.3
Escambia	536.7	390.7	58.1	...	...	8.2	79.7
Mobile	363.7	192.3	34.0	...	...	39.5	97.9
Washington	604.3	238.2	90.5	...	10.8	104.5	160.3
All counties	2,595.8	1,440.6	308.7	...	15.5	232.7	598.3

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						
Baldwin	824.8	450.2	274.6	9.1	69.8	1.2	19.9
Covington	458.9	249.7	116.6	25.2	37.0	2.9	27.5
Escambia	595.0	398.9	137.8	5.5	33.5	2.6	16.7
Mobile	432.5	231.8	131.9	3.3	48.7	2.0	14.8
Washington	718.1	342.8	261.5	15.3	68.5	1.1	28.8
All counties	3,029.4	1,673.3	922.5	58.6	257.5	9.7	107.7

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	53,969	16,043	14,400	9,970	6,588	3,831	2,162	776	176	19	...
Slash pine	79,734	41,357	19,200	8,820	5,691	2,728	1,020	572	231	110	...
Shortleaf pine	4,043	2,588	247	266	589	226	99	25	...	...	...
Loblolly pine	28,501	14,329	6,098	3,578	1,866	1,336	726	321	168	76	...
Spruce pine	1,353	413	553	174	65	46	99	...	...	...	...
Redcedar	1,441	442	522	318	157	...	...	...	...	...	...
Cypress	3,928	1,323	436	1,109	412	348	121	51	60	64	...
Total	172,972	76,498	41,458	24,239	15,371	8,517	4,231	1,746	638	270	...
Hardwood:											
Select white oaks [2]	2,064	641	805	174	287	38	69	27	21	...	...
Select red oaks [3]	68	...	...	...	...	47	...	...	20	...	...
Other white oaks	4,323	2,326	1,196	426	197	46	69	24	21	15	...
Other red oaks	22,073	10,079	4,987	3,227	1,566	1,163	538	130	126	235	17
Sweet pecan	214	214	...	...	...	...	...	...	...	...	...
Bitter pecan	742	199	312	90	...	125	...	...	...	14	...
Other hickories	1,028	291	236	254	69	83	36	26	...	30	...
Persimmon	65	...	...	...	65	...	...	...	...	...	...
Soft maple	5,022	1,753	2,163	644	249	132	30	26	23	...	...
Sweetgum	9,643	4,855	2,532	1,259	426	218	34	78	89	148	...
Blackgum	15,867	5,910	4,422	3,727	944	377	299	103	65	17	...
Other gums	16,837	5,995	4,937	1,636	1,308	1,089	1,191	320	219	139	...
Ash	1,633	787	157	158	118	95	91	23	80	120	...
Sycamore	193	...	120	...	...	46	...	26	...	...	...
Cottonwood	230	199	...	...	...	...	...	...	...	31	...
Yellow-poplar	3,513	1,455	634	341	408	266	173	128	61	44	...
Magnolia	359	204	110	...	...	44	...	...	...	...	...
Sweetbay	19,645	9,920	5,176	2,636	1,027	611	131	109	...	31	...
American elm	109	...	...	...	66	43	...	...	...	...	...
Other elms	380	...	141	...	156	...	32	26	22	...	...
River birch	30	...	...	...	...	...	30	...	...	...	...
Hackberry	2,457	1,157	671	70	349	91	65	50	...	...	...
Dogwood	5,392	4,552	675	164	...	...	...	...	...	...	...
Holly	771	277	431	...	62	...	...	...	...	...	...
Other hardwoods	275	182	...	...	64	...	...	28	...	...	...
Total	112,943	51,004	29,715	14,810	7,368	4,520	2,794	1,130	751	829	17
All species	285,915	127,503	71,174	39,049	22,740	13,038	7,026	2,877	1,390	1,099	17

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	21.0-28.9	29.0 & larger
	thousand trees												
Softwood:													
Longleaf pine	137,820	51,026	30,720	17,280	14,782	10,189	6,772	3,880	2,196	776	176	19	...
Slash pine	259,897	840,49	92,627	43,868	19,719	9,089	5,743	2,826	1,058	572	231	110	...
Shortleaf pine	11,425	3,945	3,343	2,588	247	359	589	226	99	25	...	...	...
Loblolly pine	126,600	61,201	35,018	14,957	6,793	3,678	2,027	1,430	796	401	191	105	...
Spruce pine	2,697	...	1,119	413	553	372	65	46	99	27	...	...	...
Redcedar	2,576	566	568	442	522	318	157	...	...	...	...	...	...
Cypress	11,389	4,462	2,729	1,323	589	1,196	412	348	121	51	60	92	...
Total	552,406	205,251	166,127	80,874	43,207	25,204	15,768	8,758	4,372	1,853	660	327	...
Hardwood:													
Select white oaks	11,196	7,202	1,658	641	911	174	287	161	69	53	21	14	...
Select red oaks	68	...	...	...	...	...	...	47	...	...	20	...	...
Other white oaks	65,356	53,737	5,605	2,828	1,904	575	424	88	69	53	41	28	...
Other red oaks	227,964	169,319	30,309	12,047	6,128	4,363	2,526	1,510	829	216	187	469	55
Sweet pecan	214	...	...	214	...	...	...	...	...	...	...	...	...
Bitter pecan	1,593	559	...	427	312	90	...	164	...	24	...	14	...
Other hickories	12,929	10,103	1,105	790	236	325	138	83	70	26	...	48	...
Persimmon	18,580	18,515	...	...	...	...	65	...	...	...	...	...	...
Hard maple	377	...	...	302	...	74	...	...	...	...	...	...	...
Soft maple	113,534	89,590	13,898	5,018	2,828	1,269	475	270	101	26	23	33	...
Beech	1,829	559	568	594	...	...	...	...	68	...	...	37	...
Sweetgum	115,723	81,923	22,379	5,887	2,934	1,410	426	299	63	103	111	182	...
Blackgum	103,164	64,446	18,475	8,312	5,132	4,231	1,410	518	363	154	65	53	...
Other gums	57,500	26,368	11,075	7,945	4,937	1,996	1,837	1,251	1,251	371	262	202	...
Ash	11,234	6,059	2,743	1,286	271	234	118	95	123	49	102	138	12
Sycamore	286	...	...	...	120	93	...	46	...	26	...	...	...
Cottonwood	2,103	545	1091	435	...	...	...	...	...	...	...	31	...
Basswood	1,119	1,119	...	...	...	...	...	...	...	...	...	...	...
Yellow-poplar	17,819	9,484	3,934	1,639	1,004	341	538	309	274	128	61	86	15
Magnolia	3,937	2,805	559	204	110	...	131	94	30	...	...	...	...
Sweetbay	126,589	72,865	26,837	12,157	7,253	3,531	2,028	842	584	239	144	96	8
Willow	88	...	...	...	...	...	50	38	...	...	...	...	...
Black cherry	8,119	6,736	1,105	277	...	...	...	...	...	...	...	...	...
American elm	4,218	2,823	1,137	...	...	72	66	90	...	27	...	...	...
Other elms	3,295	2,756	...	...	299	...	156	...	32	26	22	...	...
River birch	30	...	...	...	...	...	...	...	30	...	...	...	...
Hackberry	7,497	3,357	1,119	1,157	671	384	414	91	161	50	20	68	...
Other locusts	566	566	...	...	...	...	...	...	...	...	...	...	...
Sassafras	2,960	2,819	...	...	141	...	...	...	...	...	...	...	...
Dogwood	106,908	78,324	20,611	6,984	823	164	...	...	...	...	...	...	...
Holly	35,714	29,171	4,997	794	431	197	121	...	...	...	...	...	...
Other hardwoods	12,476	11,655	545	182	...	...	64	...	...	28	...	...	...
Total	1,074,985	753,418	169,760	70,129	36,456	19,530	11,285	6,003	4,125	1,606	1,083	1,506	91
Noncommercial	174,436	146,110	17,226	6,700	2,342	1,425	494	121	...	...	...	15	...
All species	1,801,842	1,104,779	353,114	157,703	82,006	46,161	27,548	14,883	8,498	3,460	1,744	1,849	91

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	653.4	37.3	107.7	135.3	137.0	108.1	80.2	36.3	10.1	1.3	...
Slash pine	651.0	83.5	148.1	126.6	123.1	80.9	38.3	27.9	13.9	8.7	...
Shortleaf pine	33.3	5.1	1.8	3.3	11.8	6.4	3.6	1.3	...	...	...
Loblolly pine	254.8	33.9	40.5	41.3	38.3	36.2	29.0	16.5	11.4	7.6	...
Spruce pine	12.3	0.2	4.3	1.8	1.2	1.1	3.6	...	...	...	...
Redcedar	13.2	1.9	4.2	3.8	3.2	...	...	...	...	...	...
Cypress	55.4	3.4	2.5	15.9	8.3	9.3	4.9	2.3	3.7	5.0	...
Total	1,673.3	165.4	309.2	328.1	322.9	242.1	159.6	84.4	39.1	22.5	...
Hardwood:											
Select white oaks	18.5	1.4	4.2	2.1	5.9	1.1	2.1	0.9	0.9	...	...
Select red oaks	2.7	...	...	...	...	1.6	...	...	1.1	...	...
Other white oaks	20.8	3.9	5.1	3.5	3.0	0.9	1.4	0.8	1.0	1.1	...
Other red oaks	182.6	27.9	29.5	33.4	23.2	24.6	14.4	4.8	5.8	15.9	3.1
Sweet pecan	1.3	1.3	...	...	...	...	...	...	...	...	...
Bitter pecan	7.3	0.6	1.4	0.9	...	3.1	...	...	...	1.2	...
Other hickories	12.6	0.3	1.6	2.8	1.1	2.0	1.1	1.3	...	2.5	...
Persimmon	1.0	...	...	...	1.0	...	...	...	...	...	...
Soft maple	34.1	4.5	12.7	6.0	4.1	3.3	1.1	1.2	1.2	...	...
Sweetgum	67.7	5.6	14.0	16.0	7.9	5.4	1.2	3.2	4.5	10.0	...
Blackgum	123.4	12.0	24.8	43.2	15.6	9.2	9.6	4.5	3.2	1.2	...
Other gums	190.8	9.4	33.4	19.2	23.4	27.0	40.3	13.9	13.2	11.0	...
Ash	29.2	2.9	0.7	2.0	2.0	2.5	3.4	1.1	4.8	9.7	...
Sycamore	3.7	...	1.5	...	...	1.1	...	1.1	...	...	...
Cottonwood	3.2	0.6	...	...	...	...	...	...	...	2.6	...
Yellow-poplar	46.7	4.3	4.1	3.7	7.8	7.1	6.2	6.2	3.5	3.8	...
Magnolia	2.4	0.3	1.0	...	...	1.1	...	...	...	...	...
Sweetbay	129.4	21.7	34.0	29.5	17.3	15.3	4.5	4.6	...	2.5	...
American elm	2.1	...	...	...	1.0	1.1	...	...	...	...	...
Other elms	7.3	...	0.8	...	3.0	...	1.1	1.2	1.2	...	...
River birch	1.2	...	...	...	...	...	1.2	...	...	...	...
Hackberry	20.7	1.7	4.9	0.6	6.4	2.3	2.3	2.4	...	...	...
Dogwood	8.0	4.4	2.2	1.4	...	...	...	...	...	...	...
Holly	3.5	0.5	2.2	...	0.9	...	...	...	...	...	...
Other hardwoods	2.3	0.4	...	...	0.7	...	...	1.1	...	...	...
Total	922.5	103.7	178.1	164.3	124.5	108.8	89.9	48.3	40.3	61.4	3.1
All species	2,595.8	269.0	487.3	492.4	447.4	351.0	249.5	132.7	79.5	83.9	3.1

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								
Softwood:									
Longleaf pine	454.6	114.3	126.4	100.2	72.3	31.8	8.6	1.0	...
Slash pine	380.0	110.4	115.3	75.7	35.0	24.7	11.9	7.0	...
Shortleaf pine	23.4	2.4	10.5	6.0	3.3	1.2	0.0	0.0	...
Loblolly pine	162.3	33.4	34.8	33.3	27.4	15.6	10.7	7.1	...
Spruce pine	6.6	1.3	1.1	1.0	3.2	0.0	0.0	0.0	...
Redcedar	5.8	3.0	2.8	0.0	0.0	0.0	0.0	0.0	...
Cypress	43.5	14.0	7.5	8.4	4.4	2.0	3.2	4.1	...
Total	1,076.1	278.8	298.3	224.5	145.7	75.3	34.4	19.2	...
Hardwood:									
Select white oaks	8.8	...	4.6	0.9	1.8	0.7	0.7	...	...
Select red oaks	2.3	...	...	1.4	...	...	0.9	...	...
Other white oaks	6.2	...	2.0	0.8	1.2	0.6	0.8	0.8	...
Other red oaks	70.8	...	16.6	21.0	12.4	4.1	4.6	10.9	1.1
Bitter pecan	3.5	...	...	2.6	...	...	...	0.9	...
Other hickories	5.9	...	0.4	1.5	1.0	1.2	...	1.7	...
Persimmon	0.5	...	0.5	...	...	...	...	...	...
Soft maple	7.9	...	2.2	2.7	1.0	1.0	1.0	...	...
Sweetgum	26.0	...	6.8	3.9	0.6	2.4	3.2	9.1	...
Blackgum	30.8	...	8.2	7.4	8.2	3.8	2.4	0.8	...
Other gums	102.8	...	13.9	22.4	36.1	12.2	10.7	7.5	...
Ash	17.7	...	1.0	2.3	3.1	1.0	3.9	6.5	...
Sycamore	1.8	...	...	0.9	...	0.9	...	...	...
Cottonwood	1.9	...	...	...	...	...	...	1.9	...
Yellow-poplar	28.1	...	5.2	6.3	5.8	5.5	2.8	2.5	...
Magnolia	0.8	...	...	0.8	...	...	...	...	...
Sweetbay	32.1	...	9.6	12.7	4.0	4.0	...	1.8	...
American elm	1.3	...	0.3	1.0	...	...	...	...	...
Other elms	5.1	...	2.1	...	1.0	1.0	1.0	...	...
River birch	1.0	...	...	...	1.0	...	...	...	...
Hackberry	10.1	...	4.1	2.0	2.0	2.1	...	...	...
Holly	0.3	...	0.3	...	...	...	...	...	...
Other hardwoods	1.0	...	...	...	...	1.0	...	...	...
Total	366.7	...	77.8	90.6	79.2	41.5	32.0	44.4	1.1
All species	1,442.8	278.8	376.1	315.1	224.9	116.8	66.3	63.6	1.1

[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	668.7	653.4	10.6	4.7
Slash pine	671.2	651.0	20.2	...
Shortleaf pine	34.5	33.3	1.1	...
Loblolly pine	279.9	254.8	22.4	2.8
Spruce pine	15.4	12.3	3.1	...
Redcedar	13.2	13.2	...	...
Cypress	58.8	55.4	1.1	2.3
Total	1,741.6	1,673.3	58.6	9.7
Hardwood:				
Select white oaks	23.6	18.5	4.2	0.9
Select red oaks	2.7	2.7	...	...
Other white oaks	29.2	20.8	7.0	1.5
Other red oaks	252.2	182.6	47.1	22.5
Sweet pecan	1.3	1.3	...	...
Bitter pecan	10.3	7.3	1.9	1.2
Other hickories	16.8	12.6	2.3	1.9
Persimmon	1.0	1.0	...	...
Hard maple	1.0	...	1.0	...
Soft maple	58.4	34.1	18.2	6.1
Beech	6.4	...	4.4	2.0
Sweetgum	79.9	67.7	7.2	5.0
Blackgum	152.7	123.4	20.4	8.9
Other gums	220.7	190.8	18.5	11.3
Ash	38.0	29.2	6.3	2.5
Sycamore	5.0	3.7	1.3	...
Cottonwood	3.6	3.2	0.5	...
Yellow-poplar	63.9	46.7	12.1	5.2
Magnolia	5.5	2.4	3.1	...
Sweetbay	211.3	129.4	47.8	34.1
Willow	1.9	...	1.9	...
Black cherry	0.4	...	0.4	...
American elm	5.3	2.1	3.2	...
Other elms	8.0	7.3	...	0.7
River birch	1.2	1.2	...	...
Hackberry	33.7	20.7	9.6	3.5
Dogwood	9.9	8.0	1.9	...
Holly	6.1	3.5	1.9	0.7
Other hardwood	2.3	2.3	...	...
Total	1,252.3	922.5	222.1	107.7
Noncommercial	35.4	...	35.4	...
All species	3,029.4	2,595.8	316.1	117.5

[1] Totals may not add due to rounding.

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1983. Forest statistics for Southwest-South Alabama counties. U.S. Dep. Agric. For. Serv. Resour. Bull. SO-91, 15 p. South. For Exp. Stn., New Orleans, La.

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

Additional keywords: Area, Volume forest-type, stand-size, ownership.

☆U.S. GOVERNMENT PRINTING OFFICE: 1983- 669-085/15