United States
Department of
Agriculture

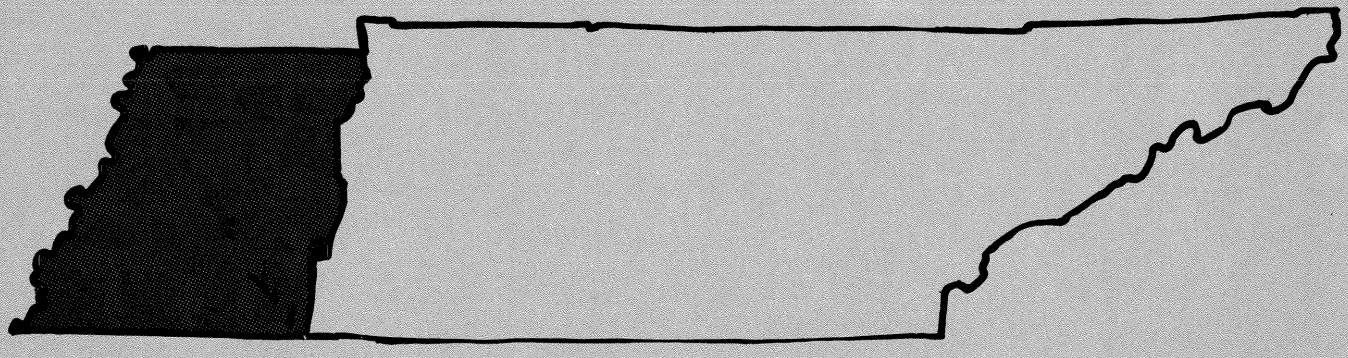
Forest Service

**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-83
May, 1982

Forest Statistics for



West Tennessee Counties

Staff: Renewable Resources Evaluation
Research Work Unit

FOREST STATISTICS FOR WEST TENNESSEE COUNTIES

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These tables were derived from data obtained during a 1980 inventory of 18 counties comprising the West Unit of Tennessee (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, 10 BA 37.5 point samples were distributed on an area of about 1 acre.

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

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

Because of differences in standards of tree measurements, direct comparisons between these data and those from 1971 inventory are not valid. In table 3, changes between the two surveys are summarized in terms of current measurement standards.

Table 1.--*Sampling error*[1] *for forest land and timber volume, 1980*

County	Commercial forest land	Growing stock	Sawtimber
		Percent	
Carroll	2	10	23
Chester	4	19	27
Crockett	4	-	-
Dyer	3	12	19
Fayette	2	18	23
Gibson	3	32	32
Hardeman	2	12	17
Haywood	3	13	18
Henderson	3	11	16
Henry	2	13	19
Lake	2	43	46
Lauderdale	3	16	18
McNairy	3	13	23
Madison	3	10	16
Obion	3	21	24
Shelby	3	17	25
Tipton	2	16	20
Weakley	1	16	18
All counties	0.7	4.3	6.2

1/ By random-sampling formula.

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.

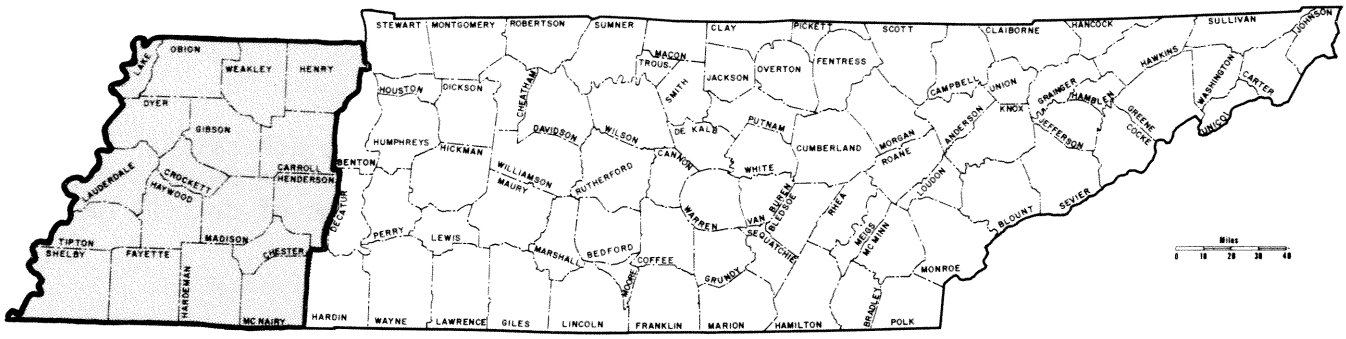

Figure 1. --*The West forest survey region of Tennessee.*

Table 2.--*Sampling errors for timber volume by species, 1980*

Species	Growing stock	Sawtimber
	Percent	
Softwood:		
Shortleaf pine	24	28
Loblloly pine	32	38
Redcedar	24	37
Cypress	45	46
Total	17.2	21.8
Hardwood:		
Select white oaks	11	13
Select red oaks	19	24
Other white oaks	14	20
Other red oaks	11	14
Water hickory	44	46
Other hickories	12	16
Persimmon	34	(1)
Hard maple	33	47
Soft maple	16	24
Boxelder	33	39
Beech	30	42
Sweetgum	11	15
Blackgum	16	22
Other gum	(1)	(1)
White ash	30	41
Other ashes	28	37
Sycamore	22	25
Cottonwood	48	(1)
Yellow-poplar	17	22
Magnolia	(1)	(1)
Sweetbay	(1)	-
Willow	(1)	(1)
Black walnut	39	(1)
Black cherry	29	(1)
American elm	17	23
Other elms	16	33
River birch	35	45
Hackberry	32	41
Black locusts	(1)	(1)
Other locust	42	(1)
Sassafras	47	(1)
Dogwood	30	(1)
Holly	(1)	(1)
Other hardwoods	(1)	(1)
Total	4.8	6.8
All species	4.3	6.2

1/ Exceeds 50 percent.

Table 3.--*Change[1] in forest resource since, 1971*

Item	Change
	Percent
Commercial forest land	+ 20
Growing-stock volume:	
Softwood	+ 81
Hardwood	+ 38
All species	+ 42
Sawtimber volume:	
Softwood	+ 116
Hardwood	+ 45
All species	+ 52

1/ Based on current measurement standards.

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 were the central stem breaks into limbs.

Noncommercial species.--Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Physiographic site.--A classification of forest land according to its suitability for growing certain species groups-pine, upland hardwood, or bottomland hardwood.

Poletimber trees.--Growing-stock trees of commercial species at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

Rotten trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of rot.

Rough trees.--Live trees of commercial species that do not contain at least one 12-foot saw log, now or prospectively, primarily because of roughness or poor form. (Includes all live trees of noncommercial species.)

Sawtimber trees.--Live trees that are of commercial species, contain at least a 12-foot saw log, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches.

Sawtimber volume.--Net volume of the sawlog portion of live sawtimber in board feet, International 1/4-inch rule.

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

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

Table 4.--*Total area, commercial forest land, and proportion of total area, 1980*

County	Total[1] area	Commercial forest	
		Area	Proportion
	Thousand acres		*Percent*
Carroll	381.4	186.3	49
Chester	182.4	109.8	60
Crockett	172.2	17.4	10
Dyer	345.6	54.5	16
Fayette	450.5	153.6	34
Gibson	388.5	60.8	16
Hardeman	419.8	248.0	59
Haywood	332.2	78.0	23
Henderson	329.6	170.8	52
Henry	384.0	172.5	45
Lake	122.9	20.1	16
Lauderdale	325.8	95.0	29
McNairy	364.2	205.2	56
Madison	358.4	147.0	41
Obion	359.0	103.4	29
Shelby	492.1	93.6	19
Tipton	303.4	100.2	33
Weakley	368.6	112.8	31
All counties	6,080.6	2,129.0	35

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

Table 5.--*Commercial forest land by ownership class, 1980*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. Private
	Thousand acres					
Carroll	186.3	-	16.6	6.9	48.6	114.2
Chester	109.8	-	4.5	6.1	36.9	62.3
Crockett	17.4	-	-	-	-	17.4
Dyer	54.5	-	7.2	10.9	11.0	25.4
Fayette	153.6	-	9.0	-	106.3	38.3
Gibson	60.8	-	3.3	-	57.5	-
Hardeman	248.0	-	9.6	24.8	124.9	88.7
Haywood	78.0	-	9.7	-	47.1	21.2
Henderson	170.8	-	20.4	-	92.1	58.3
Henry	172.5	-	15.2	-	60.4	96.9
Lake	20.1	-	5.6	-	6.7	7.8
Lauderdale	95.0	-	2.2	47.5	38.3	7.0
McNairy	205.2	-	-	28.5	34.4	142.3
Madison	147.0	-	.4	-	35.2	111.4
Obion	103.4	-	9.6	18.8	37.9	37.1
Shelby	93.6	-	6.1	-	36.2	51.3
Tipton	100.2	-	.1	-	84.1	16.0
Weakley	112.8	-	-	-	18.9	93.9
All counties	2,129.0	-	119.5	143.5	876.5	989.5

Table 6.--*Commercial forest land by forest type, 1980*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Thousand acres						
Carroll	186.3	6.9	13.8	124.2	-	41.4	-
Chester	109.8	18.3	24.4	54.9	-	6.1	6.1
Crockett	17.4	-	-	17.4	-	-	-
Dyer	54.5	-	-	10.9	-	32.7	10.9
Fayette	153.6	9.6	9.6	124.8	-	9.6	-
Gibson	60.8	-	-	45.6	-	15.2	-
Hardeman	248.0	37.2	18.6	155.0	-	37.2	-
Haywood	78.0	-	-	-	-	78.0	-
Henderson	170.8	24.4	24.4	109.8	-	12.2	-
Henry	172.5	-	-	127.5	-	45.0	-
Lake	20.1	-	-	-	-	13.4	6.7
Lauderdale	95.0	-	-	28.5	-	47.5	19.0
McNairy	205.2	39.9	34.2	114.0	-	17.1	-
Madison	147.0	14.0	7.0	91.0	-	35.0	-
Obion	103.4	-	-	37.6	18.8	47.0	-
Shelby	93.6	-	-	36.0	-	28.8	28.8
Tipton	100.2	-	-	83.5	-	16.7	-
Weakley	112.8	9.4	-	47.0	-	56.4	-
All counties	2,129.0	159.7	132.0	1,207.7	18.8	539.3	71.5

Table 7.--*Commercial forest land by stand-size class, 1980*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Thousand acres				
Carroll	186.3	48.3	103.5	34.5	-
Chester	109.8	30.5	36.6	42.7	-
Crockett	17.4	17.4	-	-	-
Dyer	54.5	54.5	-	-	-
Fayette	153.6	48.0	67.2	38.4	-
Gibson	60.8	30.4	30.4	-	-
Hardeman	248.0	105.4	80.6	62.0	-
Haywood	78.0	62.4	7.8	7.8	-
Henderson	170.8	54.9	85.4	30.5	-
Henry	172.5	75.0	67.5	30.0	-
Lake	20.1	20.1	-	-	-
Lauderdale	95.0	76.0	19.0	-	-
McNairy	205.2	39.9	108.3	57.0	-
Madison	147.0	63.0	63.0	21.0	-
Obion	103.4	56.4	37.6	9.4	-
Shelby	93.6	50.4	21.6	21.6	-
Tipton	100.2	83.5	-	16.7	-
Weakley	112.8	75.2	18.8	18.8	-
All counties	2,129.0	991.3	747.3	390.4	-

Table 8.--*Commercial forest land by site class, 1980.*

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					
Carroll	186.3	-	13.8	75.9	82.8	13.8
Chester	109.8	6.1	6.1	30.5	54.9	12.2
Crockett	17.4	-	-	-	17.4	-
Dyer	54.5	-	10.9	10.9	32.7	-
Fayette	153.6	-	28.8	57.6	48.0	19.2
Gibson	60.8	-	15.2	-	45.6	-
Hardeman	248.0	-	31.0	74.4	117.8	24.8
Haywood	78.0	7.8	-	70.2	-	-
Henderson	170.8	-	18.3	67.1	67.1	18.3
Henry	172.5	-	-	67.5	67.5	37.5
Lake	20.1	-	-	13.4	6.7	-
Lauderdale	95.0	19.0	28.5	19.0	28.5	-
McNairy	205.2	-	5.7	79.8	79.8	39.9
Madison	147.0	-	-	42.0	91.0	14.0
Obion	103.4	28.2	-	65.8	9.4	-
Shelby	93.6	21.6	14.4	36.0	21.6	-
Tipton	100.2	-	16.7	66.8	16.7	-
Weakley	112.8	-	18.8	28.2	37.6	28.2
All counties	2,129.0	82.7	208.2	805.1	825.1	207.9

Table 9.--*Commercial forest land by physiographic site class, 1980*

County	All sites	Pine	Upland hardwood	Bottomland hardwood
	Thousand acres			
Carroll	186.3	55.2	89.7	41.4
Chester	109.8	67.1	30.5	12.2
Crockett	17.4	-	17.4	-
Dyer	54.5	-	10.9	43.6
Fayette	153.6	38.4	105.6	9.6
Gibson	60.8	-	45.6	15.2
Hardeman	248.0	93.0	117.8	37.2
Haywood	78.0	-	-	78.0
Henderson	170.8	48.8	109.8	12.2
Henry	172.5	-	127.5	45.0
Lake	20.1	-	-	20.1
Lauderdale	95.0	-	28.5	66.5
McNairy	205.2	125.4	62.7	17.1
Madison	147.0	7.0	105.0	35.0
Obion	103.4	-	56.4	47.0
Shelby	93.6	-	36.0	57.6
Tipton	100.2	-	83.5	16.7
Weakley	112.8	9.4	47.0	56.4
All counties	2,129.0	444.3	1,073.9	610.8

Table 10.--*Cordage of growing stock on commercial forest land by species group, 1980*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Thousand cords							
Carroll	2,369	236	221	15	2,133	1,029	352	752
Chester	1,273	456	441	15	817	400	139	278
Crockett	758	-	-	-	758	651	-	107
Dyer	884	-	-	-	884	91	27	766
Fayette	1,591	155	96	59	1,436	1,100	145	191
Gibson	1,051	-	-	-	1,051	579	46	426
Hardeman	3,339	485	439	46	2,854	1,412	567	875
Haywood	1,588	-	-	-	1,588	658	488	442
Henderson	2,707	456	391	65	2,251	945	528	778
Henry	2,550	12	-	12	2,538	1,082	419	1,037
Lake	684	239	-	239	445	-	-	445
Lauderdale	2,175	277	-	277	1,898	412	249	1,237
McNairy	2,282	806	781	25	1,476	861	145	470
Madison	2,201	53	1	52	2,148	1,051	369	728
Obion	2,659	251	-	251	2,408	1,028	372	1,008
Shelby	1,1172	23	-	23	1,149	236	278	635
Tipton	1,400	8	-	8	1,392	416	208	768
Weakley	2,192	300	266	34	1,892	618	443	831
All counties	42,875	3,757	2,636	1,121	29,118	12,569	4,775	11,774

Table 11.--*Growing-stock volume on commercial forest land by species group, 1980*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Million cubic feet							
Carroll	160.6	17.7	16.6	1.1	142.9	68.9	23.6	50.4
Chester	88.9	34.2	33.1	1.1	54.7	26.8	9.3	18.6
Crockett	50.8	-	-	-	50.8	43.6	-	7.2
Dyer	59.2	-	-	-	59.2	6.1	1.8	51.3
Fayette	107.8	11.6	7.2	4.4	96.2	73.7	9.7	12.8
Gibson	70.4	-	-	-	70.4	38.8	3.1	28.5
Hardeman	227.6	36.4	32.9	3.5	191.2	94.6	38.0	58.6
Haywood	106.4	-	-	-	106.4	44.1	32.7	29.6
Henderson	185.0	34.2	29.3	4.9	150.8	63.3	35.4	52.1
Henry	171.0	.9	-	.9	170.1	72.5	28.1	69.5
Lake	47.7	17.9	-	17.9	29.8	-	-	29.8
Lauderdale	148.0	20.8	-	20.8	127.2	27.6	16.7	82.9
McNairy	159.4	60.5	58.6	1.9	98.9	57.7	9.7	31.5
Madison	147.9	4.0	.1	3.9	143.9	70.4	24.7	48.8
Obion	180.1	18.8	-	18.8	161.3	68.9	24.9	67.5
Shelby	78.7	1.7	-	1.7	77.0	15.8	18.6	42.6
Tipton	93.9	.6	-	.6	93.3	27.9	13.9	51.5
Weakley	149.3	22.5	19.9	2.6	126.8	41.4	29.7	55.7
All counties	2,232.7	281.8	197.7	84.1	1,950.9	842.1	319.9	788.9

Table 12.--*Sawtimber volume on commercial forest land by species group, 1980*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Million board feet							
Carroll	432.0	71.7	67.0	4.7	360.3	199.2	42.2	118.9
Chester	269.0	145.3	143.9	1.4	123.7	56.9	14.1	52.7
Crockett	276.3	-	-	-	276.3	233.5	-	42.8
Dyer	245.0	-	-	-	245.0	28.0	6.1	210.9
Fayette	315.1	14.3	9.2	5.1	300.8	237.6	24.8	38.4
Gibson	217.4	-	-	-	217.4	147.1	12.5	57.8
Hardeman	731.1	134.6	120.7	13.9	596.5	277.7	132.5	186.3
Haywood	464.8	-	-	-	464.8	221.9	152.8	90.1
Henderson	517.7	84.8	78.7	6.1	432.9	209.8	86.4	136.7
Henry	521.4	-	-	-	521.4	237.7	78.8	204.9
Lake	236.9	108.3	-	108.3	128.6	-	-	128.6
Lauderdale	754.4	129.0	-	129.0	625.4	140.8	79.4	405.2
McNairy	459.6	223.2	212.6	10.6	236.4	134.5	27.9	74.0
Madison	460.4	10.8	-	10.8	449.6	234.4	83.9	131.3
Obion	744.5	114.0	-	114.0	630.5	336.4	91.4	202.7
Shelby	215.4	6.3	-	6.3	209.1	64.7	38.7	105.7
Tipton	411.7	-	-	-	411.7	125.5	74.4	211.8
Weakley	540.3	49.2	36.1	13.1	491.1	210.6	127.5	153.0
All counties	7,813.0	1,091.5	668.2	423.3	6,721.5	3,096.3	1,073.4	2,551.8

Table 13.--*Sawtimber volume on commercial forest land by species group and diameter class, 1980*

County	All species	Softwood			Hardwood		
		Total	9.0-14.9 inches	15.0 inches and up	Total	11.0-14.9 inches	15.0 inches and up
	Million board feet						
Carroll	432.0	71.7	44.2	27.5	360.3	216.9	143.4
Chester	269.0	145.3	120.7	24.6	123.7	81.4	42.3
Crockett	276.3	-	-	-	276.3	124.1	152.2
Dyer	245.0	-	-	-	245.0	67.8	177.2
Fayette	315.1	14.3	14.3	-	300.8	135.1	165.7
Gibson	217.4	-	-	-	217.4	89.5	127.9
Hardeman	731.1	134.6	115.8	18.8	596.5	302.5	294.0
Haywood	464.8	-	-	-	464.8	103.7	361.1
Henderson	517.7	84.8	83.5	1.3	432.9	231.3	201.6
Henry	521.4	-	-	-	521.4	286.0	235.4
Lake	236.9	108.3	3.2	105.1	128.6	31.9	96.7
Lauderdale	754.4	129.0	8.2	120.8	625.4	89.6	535.8
McNairy	459.6	223.2	168.6	54.6	236.4	144.3	92.1
Madison	460.4	10.8	10.8	-	449.6	189.0	260.6
Obion	744.5	114.0	10.4	103.6	630.5	143.4	487.1
Shelby	215.4	6.3	2.1	4.2	209.1	76.1	133.0
Tipton	411.7	-	-	-	411.7	84.3	327.4
Weakley	540.3	49.2	36.1	13.1	491.1	152.2	338.9
All counties	7,813.0	1,091.5	617.9	473.6	6,721.5	2,549.1	4,172.4

Table 14.--*Growing-stock volume of softwoods on commercial forest land by forest type, 1980*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million cubic feet			
Carroll	17.7	6.5	6.8	4.4	-	-
Chester	34.2	21.6	10.2	2.4	-	-
Crockett	-	-	-	-	-	-
Dyer	-	-	-	-	-	-
Fayette	11.6	5.8	-	5.8	-	-
Gibson	-	-	-	-	-	-
Hardeman	36.4	27.6	-	5.7	3.1	-
Haywood	-	-	-	-	-	-
Henderson	34.2	26.5	5.5	2.2	-	-
Henry	.9	-	-	.9	-	-
Lake	17.9	-	-	-	17.9	-
Lauderdale	20.8	-	-	-	20.8	-
McNairy	60.5	37.0	19.2	2.9	1.4	-
Madison	4.0	2.6	-	1.4	-	-
Obion	18.8	-	-	-	18.8	-
Shelby	1.7	-	-	.6	1.1	-
Tipton	.6	-	-	.6	-	-
Weakley	22.5	19.9	-	.3	2.3	-
All counties	281.8	147.5	41.7	27.2	65.4	-

Table 15.--*Growing-stock volume of hardwoods on commercial forest land by forest type, 1980*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum cypress	Elm-ash-cottonwood
				Million cubic feet			
Carroll	142.9	.5	4.6	106.4	-	31.4	-
Chester	54.7	3.4	9.0	35.4	-	5.0	1.9
Crockett	50.8	-	-	50.8	-	-	-
Dyer	59.2	-	-	11.0	-	31.9	16.3
Fayette	96.2	2.4	-	75.1	-	18.7	-
Gibson	70.4	-	-	64.1	-	6.3	-
Hardeman	191.2	6.4	1.2	127.5	-	56.1	-
Haywood	106.4	-	-	-	-	106.4	-
Henderson	150.8	2.6	7.3	126.6	-	14.3	-
Henry	170.1	-	-	128.3	-	41.8	-
Lake	29.8	-	-	-	-	13.9	15.9
Lauderdale	127.2	-	-	19.8	-	79.9	27.5
McNairy	98.9	3.4	12.8	66.9	-	15.8	-
Madison	143.9	1.6	3.0	93.2	-	46.1	-
Obion	161.3	-	-	76.2	12.0	73.1	-
Shelby	77.0	-	-	30.5	-	30.9	15.6
Tipton	93.3	-	-	77.6	-	15.7	-
Weakley	126.8	.8	-	40.9	-	85.1	-
All counties	1,950.9	21.1	37.9	1,130.3	12.0	672.4	77.2

Table 16.--*Sawtimber volume of softwoods on commercial forest land by forest type, 1980*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
			Million board feet			
Carroll	71.7	21.4	39.7	10.6	-	-
Chester	145.3	102.9	36.5	5.9	-	-
Crockett	-	-	-	-	-	-
Dyer	-	-	-	-	-	-
Fayette	14.3	6.4	-	7.9	-	-
Gibson	-	-	-	-	-	-
Hardeman	134.6	101.0	-	19.7	13.9	-
Haywood	-	-	-	-	-	-
Henderson	84.8	74.4	10.4	-	-	-
Henry	-	-	-	-	-	-
Lake	108.3	-	-	-	108.3	-
Lauderdale	129.0	-	-	-	129.0	-
McNairy	223.2	133.5	75.0	4.1	10.6	-
Madison	10.8	7.3	-	3.5	-	-
Obion	114.0	-	-	-	114.0	-
Shelby	6.3	-	-	2.1	4.2	-
Tipton	-	-	-	-	-	-
Weakley	49.2	36.1	-	-	13.1	-
All counties	1,091.5	483.0	161.6	53.8	393.1	-

Table 17.--*Sawtimber volume of hardwoods on commercial forest by forest type, 1980*

County	All types	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
				Million board feet			
Carroll	360.3	-	20.6	277.9	-	61.8	-
Chester	123.7	6.8	18.2	86.0	-	10.0	2.7
Crockett	276.3	-	-	276.3	-	-	-
Dyer	245.0	-	-	40.2	-	121.0	83.8
Fayette	300.8	-	-	256.6	-	44.2	-
Gibson	217.4	-	-	201.8	-	15.6	-
Hardeman	596.5	23.9	3.8	366.4	-	202.4	-
Haywood	464.8	-	-	-	-	464.8	-
Henderson	432.9	4.9	15.9	372.8	-	39.3	-
Henry	521.4	-	-	381.0	-	140.4	-
Lake	128.6	-	-	-	-	47.1	81.5
Lauderdale	625.4	-	-	65.4	-	381.8	178.2
McNairy	236.4	2.6	23.3	165.6	-	44.9	-
Madison	449.6	3.8	9.1	257.0	-	179.7	-
Obion	630.5	-	-	328.1	33.3	269.1	-
Shelby	209.1	-	-	105.8	-	71.6	31.7
Tipton	411.7	-	-	328.8	-	82.9	-
Weakley	491.1	3.8	-	154.3	-	333.0	-
All counties	6,721.5	45.8	90.9	3,664.0	33.3	2,509.6	377.9

Table 18.--*Growing-stock volume of softwoods on commercial forest land by stand-size class, 1980*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million cubic feet				
Carroll	17.7	13.3	2.2	2.2	-
Chester	34.2	28.7	3.8	1.7	-
Crockett	-	-	-	-	-
Dyer	-	-	-	-	-
Fayette	11.6	1.9	9.7	-	-
Gibson	-	-	-	-	-
Hardeman	36.4	29.4	6.1	.9	-
Haywood	-	-	-	-	-
Henderson	34.2	10.2	20.3	3.7	-
Henry	.9	.4	.5	-	-
Lake	17.9	17.9	-	-	-
Lauderdale	20.8	20.8	-	-	-
McNairy	60.5	30.2	29.5	.8	-
Madison	4.0	-	1.4	2.6	-
Obion	18.8	17.6	-	1.2	-
Shelby	1.7	1.1	-	.6	-
Tipton	.6	-	-	.6	-
Weakley	22.5	22.2	.3	-	-
All counties	281.8	193.7	73.8	14.3	-

Table 19.--*Growing-stock volume of hardwoods on commercial forest land by stand-size class, 1980*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Million cubic feet				
Carroll	142.9	47.8	83.6	11.5	-
Chester	54.7	18.4	28.7	7.6	-
Crockett	50.8	50.8	-	-	-
Dyer	59.2	59.2	-	-	-
Fayette	96.2	42.6	48.3	5.3	-
Gibson	70.4	46.4	24.0	-	-
Hardeman	191.2	118.5	60.4	12.3	-
Haywood	106.4	94.5	9.0	2.9	-
Henderson	150.8	83.1	57.1	10.6	-
Henry	170.1	102.2	61.1	6.8	-
Lake	29.8	29.8	-	-	-
Lauderdale	127.2	115.3	11.9	-	-
McNairy	98.9	27.5	61.3	10.1	-
Madison	143.9	79.8	59.5	4.6	-
Obion	161.3	129.1	32.2	-	-
Shelby	77.0	47.9	20.1	9.0	-
Tipton	93.3	88.7	-	4.6	-
Weakley	126.8	102.1	21.0	3.7	-
All counties	1,950.9	1,283.7	578.2	89.0	-

Table 20.--*Sawtimber volume of softwoods on commercial forest land by stand-size class, 1980*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million board feet		
Carroll	71.7	61.1	5.8	4.8	-
Chester	145.3	134.2	5.9	5.2	-
Crockett	-	-	-	-	-
Dyer	-	-	-	-	-
Fayette	14.3	5.1	9.2	-	-
Gibson	-	-	-	-	-
Hardeman	134.6	115.7	16.0	2.9	-
Haywood	-	-	-	-	-
Henderson	84.8	56.2	19.7	8.9	-
Henry	-	-	-	-	-
Lake	108.3	108.3	-	-	-
Lauderdale	129.0	129.0	-	-	-
McNairy	223.2	150.3	71.2	1.7	-
Madison	10.8	-	3.5	7.3	-
Obion	114.0	106.8	-	7.2	-
Shelby	6.3	4.2	-	2.1	-
Tipton	-	-	-	-	-
Weakley	49.2	49.2	-	-	-
All counties	1,091.5	920.1	131.3	40.1	-

Table 21.--*Sawtimber volume of hardwoods on commercial forest land by stand-size class, 1980*

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
			Million board feet		
Carroll	360.3	198.1	145.9	16.3	-
Chester	123.7	47.5	61.9	14.3	-
Crockett	276.3	276.3	-	-	-
Dyer	245.0	245.0	-	-	-
Fayette	300.8	165.2	113.2	22.4	-
Gibson	217.4	137.9	79.5	-	-
Hardeman	596.5	451.3	118.6	26.6	-
Haywood	464.8	428.2	27.9	8.7	-
Henderson	432.9	286.3	115.9	30.7	-
Henry	521.4	382.4	125.6	13.4	-
Lake	128.6	128.6	-	-	-
Lauderdale	625.4	605.1	20.3	-	-
McNairy	236.4	111.9	104.2	20.3	-
Madison	449.6	309.2	127.5	12.9	-
Obion	630.5	548.4	82.1	-	-
Shelby	209.1	170.2	17.1	21.8	-
Tipton	411.7	400.0	-	11.7	-
Weakley	491.1	422.5	57.1	11.5	-
All counties	6,721.5	5,314.1	1,196.8	210.6	-

Table 22.--*Growing-stock volume on commercial forest land by physiographic site class and species group, 1980*

County	All sites	Pine		Upland hardwood		Bottomland hardwood	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Carroll	160.6	17.1	45.7	.6	65.8	-	31.4
Chester	88.9	33.7	25.6	.5	22.2	-	6.9
Crockett	50.8	-	-	-	50.8	-	-
Dyer	59.2	-	-	-	11.0	-	48.2
Fayette	107.8	7.8	20.6	3.8	56.9	-	18.7
Gibson	70.4	-	-	-	64.1	-	6.3
Hardeman	227.6	32.9	34.0	.4	101.1	3.1	56.1
Haywood	106.4	-	-	-	-	-	106.4
Henderson	185.0	30.1	21.6	4.1	114.9	-	14.3
Henry	171.0	-	-	.9	128.3	-	41.8
Lake	47.7	-	-	-	-	17.9	29.8
Lauderdale	148.0	-	-	-	19.8	20.8	107.4
McNairy	159.4	58.9	35.2	.2	47.9	1.4	15.8
Madison	147.9	.1	2.7	3.9	95.1	-	46.1
Obion	180.1	-	-	-	88.2	18.8	73.1
Shelby	78.7	-	-	.6	30.5	1.1	46.5
Tipton	93.9	-	-	.6	77.6	-	15.7
Weakley	149.3	19.9	.8	.3	40.9	2.3	85.1
All counties	2,232.7	200.5	186.2	15.9	1,015.1	65.4	749.6

Table 23.--*Growing-stock volume of softwoods on commercial forest land by class of timber and tree section, 1980*

County	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
	Million cubic feet				
Carroll	17.7	4.4	13.3	12.2	1.1
Chester	34.2	6.6	27.6	24.8	2.8
Crockett	-	-	-	-	-
Dyer	-	-	-	-	-
Fayette	11.6	8.0	3.6	3.0	.6
Gibson	-	-	-	-	-
Hardeman	36.4	9.1	27.3	23.3	4.0
Haywood	-	-	-	-	
Henderson	34.2	17.9	16.3	14.6	1.7
Henry	.9	.9	-	-	-
Lake	17.9	-	17.9	17.0	.9
Lauderdale	20.8	-	20.8	19.8	1.0
McNairy	60.5	20.5	40.0	36.7	3.3
Madison	4.0	1.5	2.5	2.2	.3
Obion	18.8	-	18.8	17.2	1.6
Shelby	1.7	.2	1.5	1.1	.4
Tipton	.6	.6	-	-	-
Weakley	22.5	9.2	13.3	10.6	2.7
All counties	281.8	78.9	202.9	182.5	20.4

Table 24.--*Growing-stock volume of hardwoods on commercial forest land by class of timber and tree section, 1980*

County	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
	Million cubic feet				
Carroll	142.9	67.2	75.7	59.7	16.0
Chester	54.7	29.7	25.0	21.1	3.9
Crockett	50.8	5.0	45.8	40.8	5.0
Dyer	59.2	9.3	49.9	41.5	8.4
Fayette	96.2	36.0	60.2	50.2	10.0
Gibson	70.4	23.1	47.3	36.9	10.4
Hardeman	191.2	74.6	116.6	97.6	19.0
Haywood	106.4	25.0	81.4	71.3	10.1
Henderson	150.8	61.7	89.1	71.9	17.2
Henry	170.1	64.8	105.3	86.3	19.0
Lake	29.8	5.9	23.9	21.2	2.7
Lauderdale	127.2	18.0	109.2	97.3	11.9
McNairy	98.9	51.7	47.2	38.9	8.3
Madison	143.9	57.1	86.8	74.3	12.5
Obion	161.3	41.8	119.5	100.3	19.2
Shelby	77.0	26.7	50.3	41.9	8.4
Tipton	93.3	15.9	77.4	65.2	12.2
Weakley	126.8	36.3	90.5	77.2	13.3
All counties	1,950.9	649.8	1,301.1	1,093.6	207.5

Table 25.--*Volume of timber on commercial forest land by class of timber and species group, 1980*

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Carroll	193.3	17.7	142.9	.2	22.6	-	9.9
Chester	102.4	34.2	54.7	1.4	8.2	-	3.9
Crockett	50.8	-	50.8	-	-	-	-
Dyer	82.8	-	59.2	-	14.6	-	9.0
Fayette	135.0	11.6	96.2	.5	18.6	.3	7.8
Gibson	81.0	-	70.4	-	3.4	-	7.2
Hardeman	265.5	36.4	191.2	1.3	29.8	.2	6.6
Haywood	127.0	-	106.4	-	16.6	-	4.0
Henderson	224.0	34.2	150.8	1.3	26.2	.5	11.0
Henry	221.0	.9	170.1	-	34.6	-	15.4
Lake	59.0	17.9	29.8	-	8.0	-	3.3
Lauderdale	182.9	20.8	127.2	2.6	15.5	3.9	12.9
McNairy	188.3	60.5	98.9	1.2	23.6	-	4.1
Madison	187.4	4.0	143.9	.4	23.1	-	16.0
Obion	237.9	18.8	161.3	2.6	34.8	3.7	16.7
Shelby	95.4	1.7	77.0	.3	10.3	-	16.1
Tipton	116.3	.6	93.3	-	8.0	-	14.4
Weakley	211.0	22.5	126.8	1.5	30.2	-	30.0
All counties	2,761.0	281.8	1,950.9	13.3	328.1	8.6	178.3

Table 26.--*Number of growing stock trees by species and diameter class, 1980*

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:											
Shortleaf pine	11,206	4,322	1,965	1,979	2,010	612	233	48	30	7	-
Loblloly pine	15,341	7,799	4,300	2,067	887	152	90	46	-	-	-
Cypress	1,258	-	296	-	29	130	205	178	162	212	46
Redcedar	5,362	3,693	938	580	151	-	-	-	-	-	-
Total	33,167	15,814	7,499	4,626	3,077	894	528	272	192	219	46
Hardwood:											
Select white oaks 1/	16,342	5,051	3,401	2,727	1,959	1,132	990	471	322	278	11
Select red oaks 2/	9,437	2,647	1,952	1,025	1,105	1,156	638	336	108	404	66
Other white oaks	8,620	1,801	1,714	2,419	1,013	800	400	300	113	53	7
Other red oaks	31,664	8,888	8,520	5,294	3,692	1,958	1,662	697	334	551	68
Water hickory	359	-	165	72	51	-	20	35	-	16	-
Other hickories	15,394	5,405	3,351	2,705	1,821	1,010	720	197	107	78	-
Persimmon	1,274	669	372	138	74	-	-	21	-	-	-
Hard maple	2,016	1,136	360	250	187	-	58	-	11	14	-
Soft maple	8,777	3,416	2,401	1,360	602	482	197	131	102	76	10
Boxelder	3,005	1,073	920	638	228	55	54	21	-	16	-
Beech	2,365	1,079	341	291	333	65	67	116	57	16	-
Sweetgum	19,539	5,665	4,491	4,004	2,444	1,468	595	475	166	210	21
Blackgum	6,594	2,742	1,484	1,049	552	409	215	46	87	10	
Other gum	1,177	317	321	347	39	111	21	-	-	21	-
White ash	1,661	516	436	308	141	177	39	44	-	-	-
Other ashes	6,786	1,856	1,935	910	476	787	299	188	83	252	-
Sycamore	1,485	265	218	342	225	120	115	71	63	56	10
Cottonwood	837	165	93	115	145	-	24	15	41	188	51
Yellow-poplar	7,531	1,865	1,779	1,130	850	923	342	387	160	91	4
Magnolia	99	-	50	-	-	-	49	-	-	-	-
Willow	868	225	173	85	35	49	75	13	99	114	-
Black walnut	1,081	256	595	107	-	89	28	-	-	-	6
Black cherry	1,528	432	826	141	78	22	29	-	-	-	-
American elm	5,419	1,460	1,709	1,252	407	323	133	53	47	31	4
Other elms	5,711	3,345	1,271	622	277	125	22	39	-	-	10
River birch	1,714	616	546	253	162	40	19	46	12	20	-
Hackberry	829	118	192	127	107	182	46	15	16	26	-
Black locusts	93	-	-	-	39	36	18	-	-	-	-
Other locust	446	201	124	65	-	25	-	16	-	15	-
Sassafras	985	870	-	70	45	-	-	-	-	-	-
Dogwood	3,227	3,044	153	-	-	-	-		16	14	-
Holly	250	-	156	56	38	-	-	-	-	-	
Other hardwoods	198	151	-	-	32	-	-	-	15	-	-
Total	167,311	55,274	40,049	27,902	17,157	11,544	6,875	3,733	1,959	2,550	268
All species	200,478	71,088	47,548	32,528	20,234	12,438	7,403	4,005	2,151	2,769	314

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

2/ Includes northern red, shumard, and cherrybark oaks.

Table 27.--*Growing-stock volume on commercial forest land by species and diameter class, 1980*

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:											
Shortleaf pine	108.6	9.8	12.9	21.5	36.8	16.8	7.2	1.8	1.4	.4	-
Loblloly pine	89.1	19.7	24.4	20.9	15.0	3.4	2.8	2.9	-	-	-
Cypress	66.0	-	1.3	-	.7	3.3	8.9	9.2	11.2	23.6	7.8
Redcedar	18.1	6.9	3.9	5.3	2.0	-	-	-	-	-	-
Total	281.8	36.4	42.5	47.7	54.5	23.5	18.9	13.9	12.6	24.0	7.8
Hardwood:											
Select white oaks	213.9	14.5	21.3	29.8	33.5	25.1	32.3	18.9	15.4	21.4	1.7
Select red oaks	164.4	8.8	11.0	10.1	18.2	29.3	20.0	15.7	5.5	36.2	9.6
Other white oaks	89.7	4.3	7.3	20.2	12.2	14.2	10.6	11.1	5.3	3.9	.6
Other red oaks	374.1	21.9	46.5	53.5	56.1	44.0	51.9	30.0	19.0	42.4	8.8
Water hickory	7.0	-	.9	.9	1.4	-	.6	1.8	-	1.4	-
Other hickories	164.2	13.2	18.6	29.2	29.1	27.5	24.9	9.8	6.0	5.9	-
Persimmon	7.9	1.4	2.0	1.8	1.6	-	-	1.1	-	-	-
Hard maple	15.7	4.4	2.5	2.6	3.0	-	1.7	-	.7	.8	-
Soft maple	79.2	9.3	14.6	11.6	9.4	11.5	6.0	5.5	4.9	5.0	1.4
Boxelder	21.0	1.3	5.2	6.7	3.5	1.2	1.4	.6	-	1.1	-
Beech	23.5	2.0	1.8	2.6	5.1	1.7	2.0	4.6	2.5	1.2	-
Sweetgum	250.4	12.1	26.9	42.1	46.6	39.5	24.1	23.8	11.9	20.4	3.0
Blackgum	57.8	6.9	8.7	10.0	8.5	9.4	6.9	1.9	4.9	.6	-
Other gum	11.7	.8	2.0	3.6	.6	2.5	.5	-	-	1.7	-
White ash	19.6	1.4	3.2	4.2	2.5	5.2	1.4	1.7	-	-	-
Other ashes	97.7	6.6	14.1	9.6	9.2	20.9	9.9	7.5	4.2	15.7	-
Sycamore	29.6	1.4	1.2	3.5	3.1	3.3	4.4	3.0	3.2	5.4	1.1
Cottonwood	39.5	.4	.4	1.2	2.0	-	1.1	1.0	3.0	20.4	10.0
Yellow-poplar	113.0	5.2	10.3	11.7	14.3	25.1	12.0	18.0	9.2	6.7	.5
Magnolia	1.4	-	.5	-	-	-	.9	-	-	-	-
Willow	24.2	.9	1.2	1.4	.6	1.5	3.2	.9	6.5	8.0	-
Black walnut	7.7	.6	2.2	1.7	-	.9	1.0	-	-	-	1.3
Black cherry	8.3	1.1	3.9	1.2	.9	.6	.6	-	-	-	-
American elm	49.1	3.0	9.5	12.1	5.9	6.9	3.7	2.3	2.7	2.4	.6
Other elms	33.0	8.0	6.4	7.4	4.0	3.3	.7	1.8	-	-	1.4
River birch	15.1	1.5	3.5	2.3	2.5	1.1	.8	1.7	.5	1.2	-
Hackberry	13.3	.2	.9	.9	1.8	4.9	1.4	.4	1.0	1.8	-
Black locusts	1.9	-	-	-	.4	1.1	.4	-	-	-	-
Other locust	4.1	.6	.3	.8	-	.6	-	.8	-	1.0	-
Sassafras	3.6	1.8	-	.9	.9	-	-	-	-	-	-
Dogwood	5.4	3.8	.4	-	-	-	-	-	.6	.6	-
Holly	1.8	-	.8	.4	.6	-	-	-	-	-	-
Other hardwoods	2.1	.3	-	-	.4	-	-	-	1.4	-	-
Total	1,950.9	137.7	228.1	284.0	277.9	281.3	224.4	163.9	108.4	205.2	40.0
All species	2,232.7	174.1	270.6	331.7	332.4	304.8	243.3	177.8	121.0	229.2	47.8

Table 28.--*Sawtimber volume on commercial forest land by species and diameter class, 1980*

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 & large
	Million board feet								
Softwood:									
Shortleaf pine	456.1	96.1	200.9	91.5	42.9	11.9	10.1	2.7	-
Loblloly pine	212.1	81.9	76.8	18.7	15.8	18.9	-	-	-
Cypress	393.1	-	3.2	18.6	52.1	53.7	70.4	147.5	47.6
Redcedar	30.2	21.9	8.3	-	-	-	-	-	-
Total	1,091.5	199.9	289.2	128.8	110.8	84.5	80.5	150.2	47.6
Hardwood:									
Select white oaks	777.0	-	147.9	125.8	172.9	101.8	90.0	130.5	8.1
Select red oaks	732.1	-	71.7	154.0	108.9	89.8	32.4	214.8	60.5
Other white oaks	291.9	-	52.6	68.9	53.4	62.6	30.7	19.9	3.8
Other red oaks	1,295.3	-	227.5	221.8	276.5	162.0	106.5	250.1	50.9
Water hickory	27.2	-	6.5	-	2.5	10.4	-	7.8	-
Other hickories	542.3	-	131.3	145.4	132.9	59.1	39.8	33.8	-
Persimmon	12.6	-	5.9	-	-	6.7	-	-	-
Hard maple	28.8	-	12.4	-	7.6	-	3.8	5.0	-
Soft maple	198.9	-	36.0	59.5	23.8	21.8	25.6	25.6	6.6
Boxelder	32.5	-	11.2	6.1	5.0	3.8	-	6.4	-
Beech	90.1	-	21.0	7.6	11.4	29.4	13.1	7.6	-
Sweetgum	881.2	-	190.8	199.2	136.9	135.1	76.1	124.4	18.7
Blackgum	165.6	-	34.7	45.8	41.9	10.7	29.1	3.4	-
Other gum	26.6	-	1.5	8.9	3.5	-	-	12.7	-
White ash	56.6	-	9.4	27.8	10.1	9.3	-	-	-
Other ashes	316.5	-	36.6	92.3	48.9	38.5	21.1	79.1	-
Sycamore	116.1	-	11.1	14.8	25.7	11.3	14.5	32.9	5.8
Cottonwood	230.5	-	5.8	-	6.0	5.6	19.4	136.5	57.2
Yellow-poplar	444.7	-	58.4	131.6	64.2	102.4	53.3	32.2	2.6
Magnolia	4.3	-	-	-	4.3	-	-	-	-
Willow	132.1	-	3.5	8.2	22.8	5.7	41.6	50.3	-
Black walnut	18.2	-	-	4.7	6.4	-	-	-	7.1
Black cherry	6.5	-	3.5	.3	2.7	-	-	-	-
American elm	112.0	-	24.4	30.5	16.7	12.7	10.8	13.2	3.7
Other elms	49.9	-	17.8	10.7	3.1	8.5	-	-	9.8
River birch	36.8	-	9.1	5.9	5.2	10.0	2.9	3.7	-
Hackberry	51.0	-	9.1	22.5	6.7	2.0	5.9	4.8	-
Black locusts	8.4	-	1.4	5.2	1.8	-	-	-	-
Other locust	13.4	-	-	2.8	-	5.5	-	5.1	-
Sassafras	3.2	-	3.2	-	-	-	-	-	-
Dogwood	5.7	-	-	-	-	-	3.0	2.7	-
Holly	2.2	-	2.2	-	-	-	-	-	-
Other hardwoods	11.3	-	2.3	-	-	-	9.0	-	-
Total	6,721.5		1,148.8	1,400.3	1,201.8	904.7	628.6	1,202.5	234.8
All species	7,813.0	199.9	1,438.0	1,529.1	1,312.6	989.2	709.1	1,352.7	282.4

Table 29.--*Growing-stock volume in the saw-log portion of sawtimber trees on commercial forest land by diameter class and species, 1980*

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:									
Shortleaf pine	76.5	18.3	33.8	14.3	6.5	1.8	1.4	.4	-
Loblloly pine	39.1	17.0	13.5	3.2	2.7	2.7	-	-	-
Cypress	60.8	-	.6	2.8	8.3	8.4	11.0	22.2	7.5
Redcedar	6.1	4.3	1.8	-	-	-	-	-	-
Total	182.5	39.6	49.7	20.3	17.5	12.9	12.4	22.6	7.5
Hardwood:									
Select white oaks	125.1	-	26.2	20.8	27.9	16.0	13.3	19.4	1.5
Select red oaks	114.6	-	13.2	24.9	17.7	13.3	5.1	31.6	8.8
Other white oaks	49.5	-	10.2	11.9	9.1	9.7	4.8	3.2	.6
Other red oaks	210.4	-	42.0	37.4	44.1	26.1	16.2	37.2	7.4
Water hickory	4.3	-	1.0	-	.4	1.6	-	1.3	-
Other hickories	87.0	-	23.1	23.7	20.8	8.7	5.6	5.1	-
Persimmon	2.3	-	1.2	-	-	1.1	-	-	-
Hard maple	4.7	-	2.2	-	1.2	-	.6	.7	-
Soft maple	36.2	-	6.5	10.2	5.1	4.8	4.4	3.8	1.4
Boxelder	5.8	-	2.3	1.0	1.1	.5	-	.9	-
Beech	14.2	-	3.8	1.3	1.8	4.3	1.9	1.1	-
Sweetgum	139.6	-	33.9	32.8	21.2	21.0	10.5	17.6	2.6
Blackgum	27.4	-	6.4	7.9	6.4	1.6	4.5	.6	-
Other gum	4.0	-	.3	1.6	.5	-	-	1.6	-
White ash	8.8	-	1.7	4.3	1.4	1.4	-	-	-
Other ashes	56.0	-	6.7	17.0	8.3	6.3	3.8	13.9	-
Sycamore	20.0	-	2.0	2.5	4.0	2.5	3.2	4.9	.9
Cottonwood	34.2	-	1.1	-	.9	.9	2.8	20.1	8.4
Yellow-poplar	72.7	-	10.2	21.9	10.2	16.2	7.8	6.0	.4
Magnolia	.6	-	-	-	.6	-	-	-	-
Willow	19.7	-	.6	1.4	3.2	.8	6.2	-	-
Black walnut	2.8	-	-	.8	1.0	-	-	7.5	1.0
Black cherry	1.7	-	.6	.6	.5	-	-	-	-
American elm	19.3	-	4.6	5.3	2.8	2.0	1.7	2.3	.6
Other elms	8.5	-	2.9	2.3	.6	1.3	-	-	1.4
River birch	7.1	-	2.2	1.0	.8	1.5	.4	1.2	-
Hackberry	9.8	-	1.7	3.8	1.3	.4	.8	1.8	-
Black locusts	1.4	-	.3	.8	.3	-	-	-	-
Other locust	2.3	-	-	.5	-	.8	-	1.0	-
Sassafras	.6	-	.6	-	-	-	-	-	-
Dogwood	.9	-	-	-	-	-	.4	.5	-
Holly	.4	-	.4	-	-	-	-	-	-
Other hardwoods	1.7	-	.4	-	-	-	1.3	-	-
Total	1,093.6	-	208.3	235.7	193.2	142.8	95.3	183.3	35.0
All species	1,276.1	39.6	258.0	256.0	210.7	155.7	107.7	205.9	42.5

Table 30.--*Growing-stock volume on commercial forest land by species, class of timber and tree section, 1980*

Species	All classes	Poletimber	Sawtimber		
			Total	Sawlog	Upper stem
	Million cubic feet				
Softwood:					
Shortleaf pine	108.6	22.7	85.9	76.5	9.4
Loblloly pine	89.1	44.1	45.0	39.1	5.9
Cypress	66.0	1.3	64.7	60.8	3.9
Redcedar	18.1	10.8	7.3	6.1	1.2
Total	281.8	78.9	202.9	182.5	20.4
Hardwood:					
Select white oaks	213.9	65.6	148.3	125.1	23.2
Select red oaks	164.4	29.9	134.5	114.6	19.9
Other white oaks	89.7	31.8	57.9	49.5	8.4
Other red oaks	374.1	121.9	252.2	210.4	41.8
Water hickory	7.0	1.8	5.2	4.3	.9
Other hickories	164.2	61.0	103.2	87.0	16.2
Persimmon	7.9	5.2	2.7	2.3	.4
Hard maple	15.7	9.5	6.2	4.7	1.5
Soft maple	79.2	35.5	43.7	36.2	7.5
Boxelder	21.0	13.2	7.8	5.8	2.0
Beech	23.5	6.4	17.1	14.2	2.9
Sweetgum	250.4	81.1	169.3	139.6	29.7
Blackgum	57.8	25.6	32.2	27.4	4.8
Other gum	11.7	6.4	5.3	4.0	1.3
White ash	19.6	8.8	10.8	8.8	2.0
Other ashes	97.7	30.3	67.4	56.0	11.4
Sycamore	29.6	6.1	23.5	20.0	3.5
Cottonwood	39.5	2.0	37.5	34.2	3.3
Yellow-poplar	113.0	27.2	85.8	72.7	13.1
Magnolia	1.4	.5	.9	.6	.3
Willow	24.2	3.5	20.7	19.7	1.0
Black walnut	7.7	4.5	3.2	2.8	.4
Black cherry	8.3	6.2	2.1	1.7	.4
American elm	49.1	24.6	24.5	19.3	5.2
Other elms	33.0	21.8	11.2	8.5	2.7
River birch	15.1	7.3	7.8	7.1	.7
Hackberry	13.3	2.0	11.3	9.8	1.5
Black locusts	1.9	-	1.9	1.4	.5
Other locust	4.1	1.7	2.4	2.3	.1
Sassafras	3.6	2.7	.9	.6	.3
Dogwood	5.4	4.2	1.2	.9	.3
Holly	1.8	1.2	.6	.4	.2
Other hardwoods	2.1	.3	1.8	1.7	.1
Total	1,950.9	649.8	1,301.1	1,093.6	207.5
All species	2,232.7	728.7	1,504.0	1,276.1	227.9

Table 31.--*Volume of timber on commercial forest land by species and class of timber, 1980*

Species	All live	Growing stock	Rough	Rotten
		Million cubic feet		
Softwood:				
Shortleaf pine	111.8	108.6	3.2	-
Loblloly pine	90.5	89.1	1.4	-
Cypress	80.5	66.0	6.7	7.8
Redcedar	20.9	18.1	2.0	.8
Total	303.7	281.8	13.3	8.6
Hardwood:				
Select white oaks	238.7	213.9	15.3	9.5
Select red oaks	187.5	164.4	14.9	8.2
Other white oaks	110.8	89.7	17.2	3.9
Other red oaks	437.3	374.1	46.6	16.6
Water hickory	7.4	7.0	.4	-
Other hickories	196.2	164.2	23.4	8.6
Persimmon	8.6	7.9	.7	-
Hard maple	27.3	15.7	7.1	4.5
Soft maple	134.3	79.2	32.9	22.2
Boxelder	30.8	21.0	8.1	1.7
Beech	50.0	23.5	13.5	13.0
Sweetgum	314.7	250.4	26.8	37.5
Blackgum	76.5	57.8	10.1	8.6
Other gum	13.4	11.7	1.7	-
White ash	22.5	19.6	2.4	.5
Other ashes	113.7	97.7	13.0	3.0
Sycamore	43.1	29.6	1.4	12.1
Cottonwood	52.0	39.5	9.9	2.6
Yellow-poplar	129.4	113.0	7.7	8.7
Magnolia	1.4	1.4	-	-
Willow	28.2	24.2	2.5	1.5
Black walnut	7.9	7.7	-	.2
Black cherry	14.6	8.3	5.0	1.3
American elm	65.8	49.1	10.8	5.9
Other elms	40.9	33.0	6.2	1.7
River birch	22.1	15.1	5.7	1.3
Hackberry	16.9	13.3	2.1	1.5
Black locusts	5.8	1.9	1.4	2.5
Other locust	6.0	4.1	1.7	.2
Sassafras	4.0	3.6	-	.4
Dogwood	7.0	5.4	1.2	.4
Holly	3.2	1.8	1.4	-
Other hardwoods	5.0	2.1	2.7	.2
Noncommercial	34.3	-	34.3	-
Total	2,457.3	1,950.9	328.1	178.3
All species	2,761.0	2,232.7	341.4	186.9

Table 32.--*Average volume per acre of growing stock and sawtimber on commercial forest land by species group and ownership class, 1980*

Ownership class	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	- - - - *Cubic feet* - - - -			- - - - *Board feet* - - - -		
National forest	-	-	-	-	-	-
Other public	1,447	536	911	6,405	2,986	3,419
Forest industry	1,699	284	1,415	7,531	1,284	6,247
Farmer	977	54	923	3,296	164	3,132
Misc. private	970	131	839	3,111	411	2,700
All ownerships	1,048	132	916	3,670	513	3,157

Table 33.--*Average volume per acre of growing stock and sawtimber on commercial forest land by forest type and species group, 1980*

Forest type	Growing stock			Sawtimber		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	- - - - *Cubic feet* - - - -			- - - - *Board feet* - - - -		
Loblolly-shortleaf	1,056	924	132	3,311	3,024	287
Oak-pine	603	316	287	1,913	1,224	689
Oak-hickory	959	23	936	3,079	45	3,034
Oak-gum-cypress	1,368	121	1,247	5,382	729	4,653
Elm-ash-cottonwood	1,080	-	1,080	5,285	-	5,285
Maple-beech-birch	638	-	638	1,771	-	1,771
All types	1,048	132	916	3,670	513	3,157

Table 34.--*Metric area of commercial forest land by ownership class, 1980*

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. private
	- - - - - - - - - - - - *Thousand hectares* - - - - - - - - - - - -					
Carroll	75.4	-	6.7	2.8	19.7	46.2
Chester	44.4	-	1.8	2.5	14.9	25.2
Crockett	7.0	-	-	-	-	7.0
Dyer	22.1	-	2.9	4.4	4.5	10.3
Fayette	62.1	-	3.6	-	43.0	15.5
Gibson	24.6	-	1.3	-	23.3	-
Hardeman	100.4	-	3.9	10.0	50.6	35.9
Haywood	31.6	-	3.9	-	19.1	8.6
Henderson	69.2	-	8.3	-	37.3	23.6
Henry	69.8	-	6.2	-	24.4	39.2
Lake	8.2	-	2.3	-	2.7	3.2
Lauderdale	38.4	-	.9	19.2	15.5	2.8
McNairy	83.1	-	-	11.6	13.9	57.6
Madison	59.5	-	.2	-	14.2	45.1
Obion	41.8	-	3.9	7.6	15.3	15.0
Shelby	37.9	-	2.5	-	14.6	20.8
Tipton	40.5	-	(1)	-	34.0	6.5
Weakley	45.7	-	-	-	7.7	38.0
All counties	861.7	-	48.4	58.1	354.7	400.5

1/ Negligible.

Table 35.--*Metric volume of growing stock on commercial forest land by species group, 1980*

County	All species	Softwood			Hardwood			
		Total	Pine	Other	Total	Oak	Gum	Other
	Thousand cubic meters							
Carroll	4,547	501	470	31	4,046	1,951	668	1,427
Chester	2,517	968	937	31	1,549	759	263	527
Crockett	1,438	-	-	-	1,438	1,234	-	204
Dyer	1,676	-	-	-	1,676	173	51	1,452
Fayette	3,053	329	204	125	2,724	2,087	275	362
Gibson	1,994	-	-	-	1,994	1,099	88	807
Hardeman	6,445	1,031	932	99	5,414	2,679	1,076	1,659
Haywood	3,013	-	-	-	3,013	1,249	926	838
Henderson	5,239	969	830	139	4,270	1,792	1,002	1,476
Henry	4,842	25	-	25	4,817	2,053	796	1,968
Lake	1,351	507	-	507	844	-	-	844
Lauderdale	4,191	589	-	589	3,602	782	473	2,347
McNairy	4,514	1,713	1,659	54	2,801	1,634	275	892
Madison	4,188	113	3	110	4,075	1,994	699	1,382
Obion	5,100	532	-	532	4,568	1,951	705	1,912
Shelby	2,228	48	-	48	2,180	447	527	1,206
Tipton	2,659	17	-	17	2,642	790	394	1,458
Weakley	4,228	637	563	74	3,591	1,172	841	1,578
All counties	63,223	7,979	5,598	2,381	55,244	23,846	9,059	22,339

Table 36.--*Average volume per hectare of growing stock on commercial forest land by species group and ownership class, 1980*

Ownership class	All species	Softwood	Hardwood
	Cubic meters		
National forest	-	-	-
Other public	102	38	64
Forest industry	120	20	100
Farmer	69	4	65
Misc. private	68	9	59
All ownerships	74	9	65

STAFF OF RENEWABLE RESOURCES EVALUATION WORK UNIT, SOUTHERN FOREST EXPERIMENT STATION.
1982. Forest statistics for West Tennessee counties. U.S. Dep. Agric. For. Serv. Resour. Bull. SO-83, 22p. South. For. Exp. Stn., New Orleans, La.

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

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

☆U.S. GOVERNMENT PRINTING OFFICE: 1982—569-082/29