United States
Department of
Agriculture

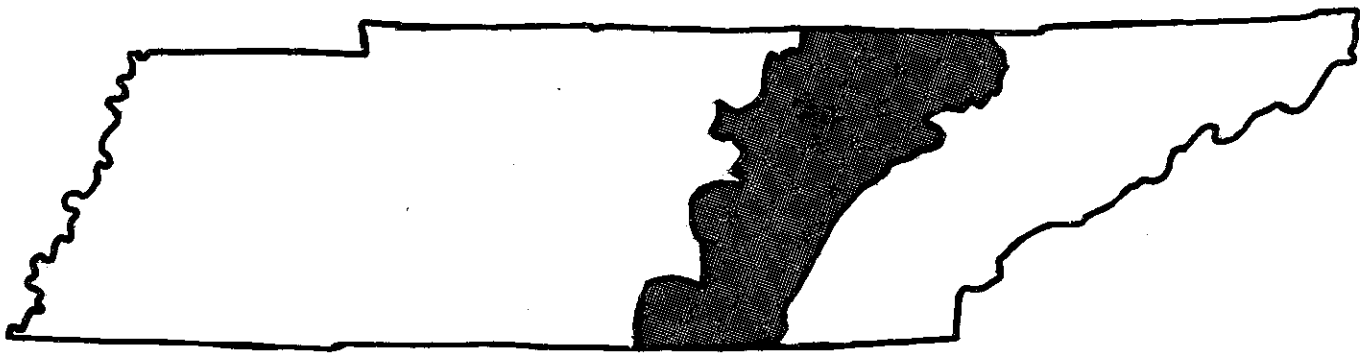
Forest Service

**Southern Forest
Experiment Station**

New Orleans,
Louisiana

Resource Bulletin
SO-80
June, 1982

Forest Statistics for



Plateau Tennessee Counties

Staff: Renewable Resources Evaluation
Research Work Unit

FOREST STATISTICS FOR PLATEAU TENNESSEE COUNTIES

Staff: Renewable Resources Evaluation Research Work Unit

These tables were derived from data obtained during a 1980 inventory of 16 counties comprising the Plateau 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 errors*[1] *for forest land and timber volume, 1980*

County	Commercial forest land	Growing stock	Sawtimber
	Percent		
Bledsoe	2	15	22
Campbell	3	7	10
Cumberland	2	8	11
Fentress	2	8	15
Franklin	2	11	17
Grundy	1	10	16
Marion	2	10	14
Morgan	2	10	14
Overton	2	9	15
Pickett	5	21	34
Putnam	3	13	19
Scott	2	6	10
Sequatchie	4	14	27
Van Buren	2	14	20
Warren	3	10	16
White	3	14	20
All counties	0.6	2.5	3.9

[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.

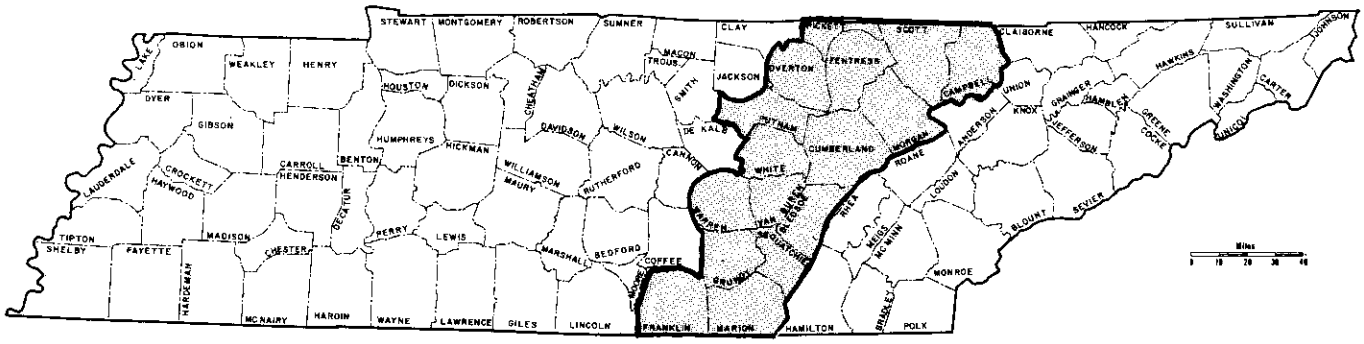


Figure 1.--*The plateau forest survey region of Tennessee.*

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

Species	Growing stock	Sawtimber
	Percent	
Softwood:		
Shortleaf pine	13	17
Loblolly pine	35	(1)
Virginia pine	12	15
White pine	28	27
Pitch pine	(1)	(1)
Redcedar	26	31
Hemlock	26	28
Total	7.7	9.7
Hardwood:		
Select white oaks	7	9
Select red oaks	10	11
Other white oaks	9	11
Other red oaks	6	8
Hickory	7	9
Persimmon	33	(1)
Hard maple	14	18
Soft maple	10	16
Boxelder	(1)	(1)
Beech	23	26
Sweetgum	25	35
Blackgum	12	16
Other gum	(1)	-
White ash	14	20
Other ashes	26	36
Sycamore	43	(1)
Basswood	25	30
Yellow-poplar	9	11
Magnolia	33	42
Willow	(1)	-
Black walnut	30	33
Black cherry	27	34
American elm	31	46
Other elms	30	42
River birch	(1)	(1)
Other birch	39	(1)
Hackberry	(1)	-
Black locust	26	37
Sassafras	39	48
Dogwood	26	-
Holly	(1)	-
Other commercial	29	37
Total	3.0	4.5
All species	2.5	3.9

1 Exceeds 50 percent.

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

Item	Change
	Percent
Commercial forest land	- 4
Growing-stock volume:	
Softwood	+ 10
Hardwood	- 4
All species	- 1
Sawtimber volume:	
Softwood	+ 18
Hardwood	- 1
All species	+ 3

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	Commercial forest Proportion
	Thousand acres		*Percent*
Bledsoe	258.6	171.0	66
Campbell	299.5	209.1	70
Cumberland	434.5	324.5	75
Fentress	319.4	254.2	80
Franklin	358.4	174.9	49
Grundy	229.1	189.0	82
Marion	329.6	240.8	73
Morgan	345.0	270.0	78
Overton	282.9	167.5	59
Pickett	111.4	64.8	58
Putnam	261.1	136.4	52
Scott	351.4	302.4	86
Sequatchie	174.7	134.4	77
Van Buren	163.2	124.8	76
Warren	283.5	94.4	33
White	246.4	114.4	46
All counties	4,448.7	2,972.6	67

[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					
Bledsoe	171.0	-	7.0	34.2	35.4	94.4
Campbell	209.1	-	15.4	15.3	31.7	146.7
Cumberland	324.5	-	46.2	41.3	67.3	169.7
Fentress	254.2	-	3.7	117.8	38.6	94.1
Franklin	174.9	-	11.2	-	11.0	152.7
Grundy	189.0	-	.4	12.6	13.1	162.9
Marion	240.8	-	36.0	22.4	40.6	141.8
Morgan	270.0	-	45.7	-	28.0	196.3
Overton	167.5	-	9.1	-	76.4	82.0
Pickett	64.8	-	14.5	-	14.9	35.4
Putnam	136.4	-	1.1	-	19.3	116.0
Scott	302.4	-	4.6	28.0	87.1	182.7
Sequatchie	134.4	-	.1	28.0	5.8	100.5
Van Buren	124.8	-	.3	83.2	16.2	25.1
Warren	94.4	-	.1	-	48.9	45.4
White	114.4	-	1.2	26.0	48.5	38.7
All counties	2,972.6	-	196.6	408.8	582.8	1,784.4

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

County	All types	White pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Thousand acres							
Bledsoe	171.0	-	28.5	17.1	125.4	-	-	-
Campbell	209.1	-	20.4	25.5	163.2	-	-	-
Cumberland	324.5	-	35.4	76.7	212.4	-	-	-
Fentress	254.2	-	49.6	31.0	161.2	6.2	6.2	-
Franklin	174.9	-	5.3	-	164.3	5.3	-	-
Grundy	189.0	-	12.6	18.9	157.5	-	-	-
Marion	240.8	-	5.6	44.8	190.4	-	-	-
Morgan	270.0	-	-	54.0	216.0	-	-	-
Overton	167.5	-	6.7	13.4	147.4	-	-	-
Pickett	64.8	-	-	-	57.6	-	7.2	-
Putnam	136.4	-	-	12.4	124.0	-	-	-
Scott	302.4	-	28.0	50.4	218.4	-	-	5.6
Sequatchie	134.4	5.6	22.4	28.0	78.4	-	-	-
Van Buren	124.8	-	15.6	20.8	88.4	-	-	-
Warren	94.4	-	-	-	88.5	-	5.9	-
White	114.4	-	15.6	5.2	83.2	-	5.2	5.2
All counties	2,972.6	5.6	245.7	398.2	2,276.3	11.5	24.5	10.8

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

County	All classes	Sawtimber	Poletimber	Sapling and seedling	Nonstocked areas
	Thousand acres				
Bledsoe	171.0	28.5	79.8	62.7	-
Campbell	209.1	112.2	66.3	30.6	-
Cumberland	324.5	129.8	135.7	59.0	-
Fentress	254.2	80.6	142.6	31.0	-
Franklin	174.9	90.1	63.6	21.2	-
Grundy	189.0	44.1	81.9	63.0	-
Marion	240.8	117.6	72.8	50.4	-
Morgan	270.0	108.0	70.2	91.8	-
Overton	167.5	73.7	80.4	13.4	-
Pickett	64.8	21.6	36.0	7.2	-
Putnam	136.4	68.2	43.4	24.8	-
Scott	302.4	134.4	162.4	5.6	-
Sequatchie	134.4	22.4	67.2	44.8	-
Van Buren	124.8	41.6	36.4	46.8	-
Warren	94.4	64.9	29.5	-	-
White	114.4	57.2	41.6	15.6	-
All counties	2,972.6	1,194.9	1,209.8	567.9	-

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					
Bledsoe	171.0	-	-	11.4	91.2	68.4
Campbell	209.1	10.2	5.1	86.7	91.8	15.3
Cumberland	324.5	-	5.9	70.8	159.3	88.5
Fentress	254.2	-	37.2	117.8	86.8	12.4
Franklin	174.9	-	-	26.5	84.8	63.6
Grundy	189.0	-	-	31.5	88.2	69.3
Marion	240.8	-	11.2	16.8	156.8	56.0
Morgan	270.0	-	5.4	81.0	145.8	37.8
Overton	167.5	6.7	20.1	33.5	93.8	13.4
Pickett	64.8	7.2	7.2	21.6	14.4	14.4
Putnam	136.4	6.2	37.2	43.4	43.4	6.2
Scott	302.4	-	22.4	84.0	168.0	28.0
Sequatchie	134.4	-	10.4	11.2	112.0	11.2
Van Buren	124.8	5.2	5.9	26.0	52.0	31.2
Warren	94.4	5.9	-	23.6	35.4	23.6
White	114.4	-	-	20.8	83.2	10.4
All counties	2,972.6	41.4	168.0	706.6	1,506.9	549.7

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

County	All sites	Pine	Upland hardwood	Bottomland hardwood
	Thousand acres			
Bledsoe	171.0	136.8	34.2	-
Campbell	209.1	107.1	102.0	-
Cumberland	324.5	212.4	112.1	-
Fentress	254.2	155.0	93.0	6.2
Franklin	174.9	5.3	169.6	-
Grundy	189.0	126.0	63.0	-
Marion	240.8	162.4	78.4	-
Morgan	270.0	216.0	54.0	-
Overton	167.5	46.9	120.6	-
Pickett	64.8	14.4	43.2	7.2
Putnam	136.4	43.4	93.0	-
Scott	302.4	179.2	117.6	5.6
Sequatchie	134.4	128.8	5.6	-
Van Buren	124.8	83.2	41.6	-
Warren	94.4	-	88.5	5.9
White	114.4	20.8	83.2	10.4
All counties	2,972.6	1,637.7	1,299.6	35.3

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							
Bledsoe	1,350	425	403	22	925	702	9	214
Campbell	3,593	568	525	43	3,025	1,437	67	1,521
Cumberland	5,113	1,349	1,075	274	3,764	2,517	136	1,111
Fentress	4,065	1,329	1,111	218	2,736	1,581	70	1,085
Franklin	2,574	51	-	51	2,523	1,603	5	915
Grundy	2,559	405	377	28	2,154	1,113	75	966
Marion	2,862	428	361	67	2,434	1,389	76	969
Morgan	3,306	632	481	151	2,674	1,342	51	1,281
Overton	3,184	295	281	14	2,889	879	61	1,949
Pickett	1,073	88	31	57	985	288	13	684
Putnam	2,078	169	143	26	1,909	685	30	1,194
Scott	5,422	1,427	1,204	223	3,995	2,155	73	1,767
Sequatchie	1,452	451	384	67	1,001	564	61	376
Van Buren	1,479	353	275	78	1,126	470	63	593
Warren	1,541	12	-	12	1,529	466	46	1,017
White	1,824	87	77	10	1,737	491	113	1,133
All counties	43,475	8,069	6,728	1,341	35,406	17,682	949	16,775

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							
Bledsoe	93.9	31.9	30.2	1.7	62.0	47.0	.6	14.4
Campbell	245.3	42.6	39.4	3.2	202.7	96.3	4.5	101.9
Cumberland	353.4	101.2	80.6	20.6	252.2	168.6	9.1	74.5
Fentress	283.0	99.7	83.3	16.4	183.3	105.9	4.7	72.7
Franklin	172.8	3.8	-	3.8	169.0	107.4	.3	61.3
Grundy	174.7	30.4	28.3	2.1	144.3	74.6	5.0	64.7
Marion	195.2	32.1	27.1	5.0	163.1	93.1	5.1	64.9
Morgan	226.5	47.4	36.1	11.3	179.1	89.9	3.4	85.8
Overton	215.7	22.1	21.1	1.0	193.6	58.9	4.1	130.6
Pickett	72.6	6.6	2.3	4.3	66.0	19.3	.9	45.8
Putnam	140.6	12.7	10.7	2.0	127.9	45.9	2.0	80.0
Scott	374.7	107.0	90.3	16.7	267.7	144.4	4.9	118.4
Sequatchie	100.9	33.8	28.8	5.0	67.1	37.8	4.1	25.2
Van Buren	101.9	26.5	20.6	5.9	75.4	31.5	4.2	39.7
Warren	103.3	.9	-	.9	102.4	31.2	3.1	68.1
White	122.9	6.5	5.8	.7	116.4	32.9	7.6	75.9
All counties	2,977.4	605.2	504.6	100.6	2,372.2	1,184.7	63.6	1,123.9

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							
Bledsoe	224.2	94.7	87.7	7.0	129.5	94.1	1.3	34.1
Campbell	785.1	130.1	123.1	7.0	655.0	322.9	14.7	317.4
Cumberland	1,066.7	352.4	263.6	88.8	714.3	479.2	19.7	215.4
Fentress	796.7	338.0	256.4	81.6	458.7	262.1	21.2	175.4
Franklin	613.9	2.7	-	2.7	611.2	424.2	2.1	184.9
Grundy	481.0	60.3	55.6	4.7	420.7	187.3	12.4	221.0
Marion	683.2	133.6	105.0	28.6	549.6	326.4	13.4	209.8
Morgan	695.4	179.6	125.0	54.6	515.8	262.9	6.3	246.6
Overton	666.9	100.1	98.6	1.5	566.8	190.8	4.2	371.8
Pickett	242.4	20.2	5.7	14.5	222.2	54.2	1.1	166.9
Putnam	436.6	46.2	41.7	4.5	390.4	127.5	4.7	258.2
Scott	1,063.3	351.8	293.5	58.3	711.5	397.3	9.2	305.0
Sequatchie	279.0	101.8	77.5	24.3	177.2	101.6	14.8	60.8
Van Buren	330.2	65.8	37.9	27.9	264.4	105.3	6.4	152.7
Warren	337.9	2.8	-	2.8	335.1	109.2	11.4	214.5
White	441.7	9.1	9.1	-	432.6	116.3	23.5	292.8
All counties	9.144.2	1,989.2	1,580.4	408.8	7,155.0	3,561.3	166.4	3,427.3

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						
Bledsoe	224.2	94.7	76.0	18.7	129.5	86.6	42.9
Campbell	785.1	130.1	109.4	20.7	655.0	288.6	366.4
Cumberland	1,066.7	352.4	247.6	104.8	714.3	394.6	319.7
Fentress	796.7	338.0	241.8	96.2	458.7	215.6	243.1
Franklin	613.9	2.7	2.7	-	611.2	302.2	309.0
Grundy	481.0	60.3	47.3	13.0	420.7	203.7	217.0
Marion	683.2	133.6	98.5	35.1	549.6	242.8	306.8
Morgan	695.4	179.6	129.4	50.2	515.8	221.5	294.3
Overton	666.9	100.1	75.8	24.3	566.8	298.2	268.6
Pickett	242.4	20.2	16.0	4.2	222.2	115.4	106.8
Putnam	436.6	46.2	31.0	15.2	390.4	183.9	206.5
Scott	1,063.3	351.8	309.5	42.3	711.5	338.7	372.8
Sequatchie	279.0	101.8	79.9	21.9	177.2	76.2	101.0
Van Buren	330.2	65.8	45.2	20.6	264.4	114.0	150.4
Warren	337.9	2.8	2.8	-	335.1	176.6	158.5
White	441.7	9.1	7.6	1.5	432.6	175.0	257.6
All counties	9,144.2	1,989.2	1,520.5	468.7	7,155.0	3,433.6	3,721.4

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

County	All types	White pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Million cubic feet -w-							
Bledsoe	31.9	-	16.2	8.8	6.9	-	-	-
Campbell	42.6	-	18.9	16.5	7.2	-	-	-
Cumberland	101.2	-	27.6	49.3	24.3	-	-	-
Fentress	99.7	-	48.9	20.7	27.0	3.1	-	-
Franklin	3.8	-	2.2	-	1.6	-	-	-
Grundy	30.4	-	16.1	7.6	6.7	-	-	-
Marion	32.1	-	-	20.5	11.6	-	-	-
Morgan	47.4	-	-	22.9	24.5	-	-	-
Overton	22.1	-	11.7	6.6	3.8	-	-	-
Pickett	6.6	-	-	-	2.2	-	4.4	-
Putnam	12.7	-	-	5.6	7.1	-	-	-
Scott	107.0	-	42.5	35.9	28.6	-	-	-
Sequatchie	33.8	5.2	8.2	12.1	8.3	-	-	-
Van Buren	26.5	-	9.0	6.9	10.6	-	-	-
Warren	.9	-	-	-	.9	-	-	-
White	6.5	-	3.5	2.3	.7	-	-	-
All counties	605.2	5.2	204.8	215.7	172.0	3.1	4.4	-

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

County	All types	White pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Million cubic feet - w							
Bledsoe	62.0	-	.7	5.4	55.9	-	-	-
Campbell	202.7	-	5.2	10.9	186.6	-	-	-
Cumberland	252.2	-	1.9	44.1	206.2	-	-	-
Fentress	183.3	-	11.9	12.4	150.2	2.4	6.4	-
Franklin	169.0	-	1.5	-	163.6	3.9	-	-
Grundy	144.3	-	3.7	7.7	132.9	-	-	-
Marion	163.1	-	-	13.2	149.9	-	-	-
Morgan	179.1	-	-	28.7	150.4	-	-	-
Overton	193.6	-	2.7	11.9	179.0	-	-	-
Pickett	66.0	-	-	-	62.4	-	3.6	-
Putnam	127.9	-	-	4.5	123.4	-	-	-
Scott	267.7	-	7.0	28.1	230.3	-	-	2.3
Sequatchie	67.1	.8	3.3	6.0	57.0	-	-	-
Van Buren	75.4	-	2.2	4.0	69.2	-	-	-
Warren	102.4	-	-	-	97.6	-	4.8	-
White	116.4	-	.8	2.4	104.0	-	6.9	2.3
All counties	2,372.2	.8	40.9	179.3	2,118.6	6.3	21.7	4.6

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

County	All types	White pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Million board feet							
Bledsoe	94.7	-	40.3	34.2	20.2	-	-	-
Campbell	130.1	-	53.0	49.1	28.0	-	-	-
Cumberland	352.4	-	80.1	191.6	80.7	-	-	-
Fentress	338.0	-	153.4	65.3	95.9	23.4	-	-
Franklin	2.7	-	-	-	2.7	-	-	-
Grundy	60.3	-	32.1	11.0	17.2	-	-	-
Marion	133.6	-	-	78.9	54.7	-	-	-
Morgan	179.6	-	-	83.9	95.7	-	-	-
Overton	100.1	-	58.7	34.5	6.9	-	-	-
Pickett	20.2	-	-	-	4.2	-	16.0	-
Putnam	46.2	-	-	20.3	25.9	-	-	-
Scott	351.8	-	134.6	108.6	108.6	-	-	-
Sequatchie	101.8	23.2	12.5	48.2	17.9	-	-	-
Van Buren	65.8	-	20.3	7.5	38.0	-	-	-
Warren	2.8	-	-	-	2.8	-	-	-
White	9.1	-	1.8	6.0	1.3	-	-	-
All counties	1,989.2	23.2	586.8	739.1	600.7	23.4	16.0	-

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

County	All types	White pine	Loblolly-shortleaf pine	Oak-pine	Oak-hickory	Maple-beech-birch	Oak-gum-cypress	Elm-ash-cottonwood
	Million board feet							
Bledsoe	129.5	-	1.4	7.9	120.2	-	-	-
Campbell	655.0	-	11.9	31.4	611.7	-	-	-
Cumberland	714.3	-	1.4	137.1	575.8	-	-	-
Fentress	458.7	-	19.8	9.0	405.1	8.6	16.2	-
Franklin	611.2	-	1.7	-	600.2	9.3	-	-
Grundy	420.7	-	7.6	25.4	387.7	-	-	-
Marion	549.6	-	-	44.5	505.1	-	-	-
Morgan	515.8	-	-	64.1	451.7	-	-	-
Overton	566.8	-	12.1	13.2	541.5	-	-	-
Pickett	222.2	-	-	-	222.2	-	-	-
Putnam	390.4	-	-	9.5	380.9	-	-	-
Scott	711.5	-	18.0	65.9	619.2	-	-	8.4
Sequatchie	177.2	-	11.7	14.1	151.4	-	-	-
Van Buren	264.4	-	5.2	6.0	253.2	-	-	-
Warren	335.1	-	-	-	320.4	-	14.7	-
White	432.6	-	-	4.9	412.9	-	14.8	-
All counties	7,155.0	-	90.8	433.0	6,559.2	17.9	45.7	8.4

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				
Bledsoe	31.9	15.1	15.0	1.8	-
Campbell	42.6	19.1	18.4	5.1	-
Cumberland	101.2	68.0	30.1	3.1	-
Fentress	99.7	38.7	52.3	8.7	-
Franklin	3.8	.6	3.2	-	-
Grundy	30.4	8.7	18.9	2.8	-
Marion	32.1	22.2	5.5	4.4	-
Morgan	47.4	23.6	16.0	7.8	-
Overton	22.1	19.1	2.7	.3	-
Pickett	6.6	-	5.4	1.2	-
Putnam	12.7	10.3	1.6	.8	-
Scott	107.0	70.2	36.8	-	-
Sequatchie	33.8	11.3	16.3	6.2	-
Van Buren	26.5	11.4	14.2	.9	-
Warren	.9	.9	-	-	-
White	6.5	-	5.5	1.0	-
All counties	605.2	319.2	241.9	44.1	-

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				
Bledsoe	62.0	16.4	40.6	5.0	-
Campbell	202.7	143.5	49.1	10.1	-
Cumberland	252.2	132.1	102.4	17.7	-
Fentress	183.3	82.4	94.0	6.9	-
Franklin	169.0	116.1	48.7	4.2	-
Grundy	144.3	53.9	63.9	26.5	-
Marion	163.1	110.1	44.2	8.8	-
Morgan	179.1	108.0	44.4	26.7	-
Overton	193.6	108.9	77.2	7.5	-
Pickett	66.0	39.4	26.2	.4	-
Putnam	127.9	87.3	34.1	6.5	-
Scott	267.7	128.2	139.5	-	-
Sequatchie	67.1	20.0	40.5	6.6	-
Van Buren	75.4	40.1	22.7	12.6	-
Warren	102.4	73.2	29.2	-	-
White	116.4	77.3	38.8	.3	-
All counties	2,372.2	1,336.9	895.5	139.8	-

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				
Bledsoe	94.7	57.8	32.4	4.5	-
Campbell	130.1	78.3	30.3	21.5	-
Cumberland	352.4	278.0	74.4	-	-
Fentress	338.0	188.2	123.6	26.2	-
Franklin	2.7	1.3	1.4	-	-
Grundy	60.3	34.4	21.1	4.8	-
Marion	133.6	104.4	21.4	7.8	-
Morgan	179.6	117.6	43.9	18.1	-
Overton	100.1	96.8	3.3	-	-
Pickett	20.2	-	17.5	2.7	-
Putnam	46.2	38.7	3.1	4.4	-
Scott	351.8	258.3	93.5	-	-
Sequatchie	101.8	47.3	33.2	21.3	-
Van Buren	65.8	45.0	19.6	1.2	-
Warren	2.8	2.8	-	-	-
White	9.1	-	7.8	1.3	-
All counties	1,989.2	1,348.9	526.5	113.8	-

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				
Bledsoe	129.5	51.3	68.3	9.9	-
Campbell	655.0	539.3	86.4	29.3	-
Cumberland	714.3	459.7	199.6	55.0	-
Fentress	458.7	305.7	142.7	10.3	-
Franklin	611.2	489.8	116.4	5.0	-
					-
Grundy	420.7	211.4	147.8	61.5	
Marion	549.6	438.8	92.0	18.8	-
Morgan	515.8	398.3	79.1	38.4	-
Overton	566.8	387.0	167.0	12.8	-
Pickett	222.2	168.1	54.1	-	-
Putnam	390.4	317.0	48.8	24.6	-
Scott	711.5	459.7	251.8	-	-
Sequatchie	177.2	85.2	87.2	4.8	-
Van Buren	264.4	173.4	56.3	34.7	-
Warren	335.1	281.3	53.8	-	-
					-
White	432.6	338.3	94.3	-	-
All counties	7,155.0	5,104.3	1,745.6	305.1	-

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

County	All sites	Pine		Upland hardwood		Bottomland hardwood	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Bledsoe	93.9	28.2	35.2	3.7	26.8	-	-
Campbell	245.3	41.7	68.3	.9	134.4	-	-
Cumberland	353.4	96.2	141.2	5.0	111.0	-	-
Fentress	283.0	75.9	93.5	23.8	83.4	-	6.4
Franklin	172.8	-	2.7	3.8	166.3	-	-
Grundy	174.7	28.3	75.2	2.1	69.1	-	-
Marion	195.2	25.8	96.7	6.3	66.4	-	-
Morgan	226.5	43.0	115.7	4.4	63.4	-	-
Overton	215.7	21.0	39.3	1.1	154.3	-	-
Pickett	72.6	2.0	6.0	.2	56.4	4.4	3.6
Putnam	140.6	11.1	38.3	1.6	89.6	-	-
Scott	374.7	103.8	133.8	3.2	131.6	-	2.3
Sequatchie	100.9	33.8	61.1	-	6.0	-	-
Van Buren	101.9	26.1	23.8	.4	51.6	-	-
Warren	103.3	-	-	.9	97.6	-	4.8
White	122.9	5.8	3.2	.7	104.0	-	9.2
All counties	2,977.4	542.7	934.0	58.1	1,411.9	4.4	26.3

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				
Bledsoe	31.9	12.2	19.7	17.4	2.3
Campbell	42.6	16.0	26.6	23.2	3.4
Cumberland	101.2	29.8	71.4	64.2	7.2
Fentress	99.7	35.2	64.5	57.5	7.0
Franklin	3.8	3.2	.6	.6	-
Grundy	30.4	17.9	12.5	10.9	1.6
Marion	32.1	7.4	24.7	22.6	2.1
Morgan	47.4	12.0	35.4	31.7	3.7
Overton	22.1	2.5	19.6	17.6	2.0
Pickett	6.6	2.4	4.2	3.7	.5
Putnam	12.7	3.5	9.2	7.8	1.4
Scott	107.0	35.2	71.8	62.3	9.5
Sequatchie	33.8	12.1	21.7	18.8	2.9
Van Buren	26.5	12.9	13.6	12.0	1.6
Warren	.9	.4	.5	.5	-
White	6.5	4.3	2.2	2.0	.2
All counties	605.2	207.0	398.2	352.8	45.4

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				
Bledsoe	62.0	31.7	30.3	21.9	8.4
Campbell	202.7	71.7	131.0	106.0	25.0
Cumberland	252.2	106.6	145.6	119.4	26.2
Fentress	183.3	89.1	94.2	74.4	19.8
Franklin	169.0	53.4	115.6	97.4	18.2
Grundy	144.3	64.3	80.0	69.8	10.2
Marion	163.1	54.7	108.4	90.8	17.6
Morgan	179.1	70.8	108.3	83.7	24.6
Overton	193.6	81.9	111.7	92.5	19.2
Pickett	66.0	25.2	40.8	33.9	6.9
Putnam	127.9	46.2	81.7	63.2	18.5
Scott	267.7	127.2	140.5	115.6	24.9
Sequatchie	67.1	32.7	34.4	29.6	4.8
Van Buren	75.4	25.9	49.5	42.9	6.6
Warren	102.4	34.4	68.0	56.9	11.1
White	116.4	37.8	78.6	68.1	10.5
All counties	2,372.2	953.6	1,418.6	1,166.1	252.5

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						
Bledsoe	119.7	31.9	62.0	.1	18.5	.6	6.6
Campbell	279.9	42.6	202.7	1.9	16.2	-	16.5
Cumberland	396.0	101.2	252.2	2.4	29.8	.3	10.1
Fentress	313.3	99.7	183.3	4.5	12.1	.7	13.0
Franklin	215.3	3.8	169.0	.7	25.2	-	16.6
Grundy	209.8	30.4	144.3	1.4	17.6	.2	15.9
Marion	232.7	32.1	163.1	.2	15.5	-	21.8
Morgan	275.3	47.4	179.1	.8	25.8	.6	21.6
Overton	255.6	22.1	193.6	.7	28.2	.8	10.2
Pickett	89.2	6.6	66.0	1.0	7.0	-	8.6
Putnam	194.2	12.7	127.9	.2	19.3	1.1	33.0
Scott	439.0	107.0	267.7	1.6	32.5	.1	30.1
Sequatchie	112.0	33.8	67.1	.2	6.1	.9	3.9
Van Buren	116.9	26.5	75.4	.5	9.4	-	5.1
Warren	126.9	.9	102.4	.5	17.6	-	5.5
White	158.3	6.5	116.4	.1	18.8	.2	16.3
All counties	3,534.1	605.2	2,372.2	16.8	299.6	5.5	234.8

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

Species	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
	Diameter class (inches at breast height)										
	Thousand trees										
Softwood:											
Shortleaf pine	20,938	7,108	6,002	4,581	2,343	520	321	53	10	-	-
Loblolly pine	6,414	4,402	1,387	241	193	84	43	25	31	8	-
Virginia pine	36,069	15,885	10,392	4,984	2,888	1,353	380	133	31	23	-
White pine	3,034	925	655	536	304	262	89	85	91	74	13
Pitch pine	3,597	2,348	735	385	84	45	-	-	-	-	-
Redcedar	61	-	-	36	25	-	-	-	-	-	-
Hemlock	3,046	980	557	486	412	205	169	121	39	77	-
Total	73,159	31,648	19,728	11,249	6,249	2,469	1,002	417	202	182	13
Hardwood:											
Select white oaks[1]	45,495	18,793	10,775	6,678	4,458	2,454	1,280	623	288	134	12
Select red oaks[2]	8,321	2,832	1,022	1,380	908	995	551	374	102	147	10
Other white oaks	29,970	10,101	6,775	5,758	3,336	2,095	1,050	394	242	212	7
Other red oaks	38,069	14,531	8,155	5,763	3564	2,730	2,025	764	335	202	-
Hickory	32,674	10,804	7,679	6,646	3,323	2,098	1,188	538	251	126	21
Persimmon	668	196	238	178	36	20	-	-	-	-	-
Hard maple	11,377	4,532	3,190	1,771	768	579	309	102	96	30	-
Soft maple	15,621	7,601	3,974	2,244	895	460	216	120	74	37	-
Boxelder	99	-	-	-	24	22	30	23	-	-	-
Beech	2,770	1,171	407	348	224	155	203	128	39	95	-
Sweetgum	2,490	988	527	554	222	150	13	12	20	-	4
Blackgum	6,204	2,611	1,992	418	373	533	175	48	41	9	4
Other gum	87	-	87	-	-	-	-	-	-	-	-
White ash	4,108	1,921	1,137	443	149	240	110	87	10	7	4
Other ashes	1,889	990	356	194	150	43	52	63	10	31	-
Sycamore	291	-	119	85	58	-	14	15	-	-	-
Basswood	1,531	178	491	278	273	168	64	48	9	22	-
Yellow-poplar	25,086	8,990	5,481	3,418	2,827	1,810	1,408	611	272	269	-
Magnolia	843	241	209	137	56	130	14	37	11	8	-
Willow	75	75	-	-	-	-	-	-	-	-	-
Black walnut	754	91	136	264	132	108	15	-	8	-	-
Black cherry	1,532	572	313	282	134	156	51	24	-	-	-
American elm	806	370	186	123	57	47	16	-	-	7	-
Other elms	792	513	60	43	97	62	17	-	-	-	-
River birch	285	230	-	-	-	23	-	12	20	-	-
Other birch	1,005	695	119	121	53	17	-	-	-	-	-
Hackberry	67	-	67	-	-	-	-	-	-	-	-
Black locust	1,840	960	456	145	181	38	48	12	-	-	-
Sassafras	3,054	1,556	780	526	123	23	46	-	-	-	-
Dogwood	2,351	2,292	59	-	-	-	-	-	-	-	-
Holly	374	250	124	-	-	-	-	-	-	-	-
Other hardwoods	1,094	307	409	122	168	22	49	-	10	7	-
Total	241,622	94,391	55,323	37,919	22,589	15,178	8,944	4,035	1,838	1,343	62
All species	314,781	126,039	75,051	49,168	28,838	17,647	9,946	4,452	2,040	1,525	75

1 Includes white, swamp chestnut, chinkapin, and burr oaks.
2 Includes northern red, shumard, and cherry oaks.

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

Species	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
	Diameter class (inches at breast height)										
	Million cubic feet										
Softwood:											
Shortleaf pine	195.1	21.0	40.1	56.1	46.0	14.0	14.1	3.1	.7	-	-
Loblolly pine	22.7	6.9	5.7	1.6	2.6	2.2	1.4	1.0	1.1	.2	-
Virginia pine	286.0	46.7	65.5	63.9	52.3	36.2	13.1	5.0	1.6	1.7	-
White pine	44.6	2.2	3.9	6.2	5.5	6.6	2.6	3.9	5.8	6.0	1.9
Pitch pine	.8	-	-	.4	.4	-	-	-	-	-	-
Redcedar	14.2	5.1	4.3	3.2	.9	.7	-	-	-	-	-
Hemlock	41.8	2.2	3.4	4.8	7.5	5.1	5.4	5.0	2.0	6.4	-
Total	605.2	84.1	122.9	136.2	115.2	64.8	36.6	18.0	11.2	14.3	1.9
Hardwood:											
Select white oaks	406.5	50.3	65.1	69.8	75.5	58.1	40.5	24.3	13.5	8.4	1.0
Select red oaks	122.6	8.8	7.1	14.0	15.8	25.0	17.0	16.8	5.8	11.0	1.3
Other white oaks	281.1	24.7	37.4	51.9	52.2	41.9	32.1	15.3	11.7	13.0	.9
Other red oaks	374.5	34.8	44.6	54.2	57.3	61.7	63.5	29.9	16.0	12.5	-
Hickory	350.8	26.7	43.5	70.8	60.2	51.7	43.2	25.4	15.4	10.9	3.0
Persimmon	4.9	.6	1.3	1.6	.8	.6	-	-	-	-	-
Hard maple	108.3	13.9	19.1	21.2	14.0	15.5	11.6	4.9	5.5	2.6	-
Soft maple	106.0	20.2	22.2	23.0	13.2	10.6	6.2	4.8	3.2	2.6	-
Boxelder	2.3	-	-	-	.3	.4	.8	.8	-	-	-
Beech	37.9	3.8	2.0	3.7	3.9	3.6	5.9	5.6	2.1	7.3	-
Sweetgum	18.9	1.5	2.6	5.5	3.3	3.6	.4	.6	.9	-	.5
Blackgum	44.4	4.9	10.5	4.1	5.3	9.9	5.2	1.6	2.3	.5	.1
Other gum	.3	-	.3	-	-	-	-	-	-	-	-
White ash	33.7	4.6	7.4	4.8	2.8	5.5	3.6	3.5	.2	.9	.4
Other ashes	17.6	2.0	2.4	2.2	2.2	1.0	1.7	2.9	.5	2.7	-
Sycamore	3.7	-	.8	.8	1.1	-	.4	.6	-	-	-
Basswood	27.1	.8	3.8	4.0	5.2	4.8	2.4	2.9	.8	2.4	-
Yellow-poplar	333.4	27.2	37.2	40.1	54.2	50.7	53.7	30.7	16.5	23.1	-
Magnolia	12.0	.5	1.3	1.3	1.7	3.2	.7	1.9	.8	.6	-
Willow	.2	.2	-	-	-	-	-	-	-	-	-
Black walnut	8.0	.3	.6	1.9	2.0	2.3	.4	-	.5	-	-
Black cherry	15.2	1.4	1.5	3.3	2.2	3.8	2.0	1.0	-	-	-
American elm	5.8	.7	.9	1.2	.7	1.2	.4	-	-	.7	-
Other elms	7.2	1.9	.4	.4	2.0	2.0	.5	-	-	-	-
River birch	2.2	.5	-	-	-	.4	-	.3	1.0	-	-
Other birch	5.8	2.3	1.0	1.1	.9	.5	-	-	-	-	-
Hackberry	.3	-	.3	-	-	-	-	-	-	-	-
Black locust	11.3	2.3	1.8	2.2	2.9	.8	1.0	.3	-	-	-
Sassafras	16.6	4.0	4.0	5.0	2.1	.6	.9	-	-	-	-
Dogwood	2.9	2.8	.1	-	-	-	-	-	-	-	-
Holly	1.2	.6	.6	-	-	-	-	-	-	-	-
Other hardwoods	9.5	.8	1.7	.9	2.7	.5	1.6	-	.7	.6	-
Total	2,372.2	243.1	321.5	389.0	384.5	359.9	295.7	174.1	97.4	99.8	7.2
All species	2,977.4	327.2	444.4	525.2	499.7	424.7	332.3	192.1	108.6	114.1	9.1

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

Species	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
	Diameter class (inches at breast height)								
	Million board feet								
Softwood:									
Shortleaf pine	686.5	256.5	242.6	77.4	83.9	22.0	4.1	-	-
Loblolly pine	50.8	5.9	12.3	12.0	7.6	5.7	6.0	1.3	-
Virginia pine	839.4	279.8	254.2	187.1	72.0	25.9	9.3	11.1	-
White pine	198.9	25.5	26.8	33.7	13.1	20.9	30.4	38.7	9.8
Pitch pine	3.7	1.7	2.0	-	-	-	-	-	-
Redcedar	22.0	13.8	4.1	4.1	-	-	-	-	-
Hemlock	187.9	18.0	36.8	26.2	28.1	28.0	14.9	35.9	-
Total	1,989.2	601.2	578.8	340.5	204.7	102.5	64.7	87.0	9.8
Hardwood:									
Select white oaks	1,073.9	-	312.8	289.5	213.6	132.2	74.8	45.0	6.0
Select red oaks	476.5	-	68.8	122.8	91.1	90.4	33.5	60.7	9.2
Other white oaks	808.9	-	219.3	201.0	164.9	82.7	62.1	75.0	3.9
Other red oaks	1,202.0	-	243.5	296.9	334.2	165.3	89.0	73.1	-
Hickory	1,107.9	-	276.3	268.7	244.9	141.6	91.5	66.0	18.9
Persimmon	6.8	-	3.7	3.1	-	-	-	-	-
Hard maple	271.0	-	63.5	72.2	64.0	25.8	32.7	12.8	-
Soft maple	190.0		54.8	48.5	28.8	25.2	18.3	14.4	-
Boxelder	11.0	-	1.6	2.1	3.4	3.9	-	-	-
Beech	146.7	-	18.1	15.0	28.4	28.0	11.7	45.5	-
Sweetgum	41.5	-	13.0	17.4	1.5	2.8	4.1	-	2.7
Blackgum	124.9	-	21.0	49.5	29.9	8.6	10.8	2.8	2.3
Other gum	-	-	-	-	-	-	-	-	-
White ash	87.8	-	16.1	27.1	19.1	19.0	1.0	4.3	1.2
Other ashes	56.4	-	6.4	5.6	9.1	17.5	2.5	15.3	-
Sycamore	9.1	-	4.6	-	1.8	2.7	-	-	-
Basswood	93.2	-	21.1	24.3	13.6	16.0	5.0	13.2	-
Yellow-poplar	1,205.3	-	238.3	258.3	291.4	177.0	96.4	143.9	-
Magnolia	48.1	-	9.1	16.9	3.8	10.8	4.7	2.8	-
Willow	-	-	-	-	-	-	-	-	-
Black walnut	23.2	-	9.0	9.1	2.3	-	2.8	-	-
Black cherry	46.1	-	10.1	17.3	12.6	6.1	-	-	-
American elm	14.7	-	2.6	5.9	1.4	-	-	4.8	-
Other elms	24.9	-	11.0	11.4	2.5	-	-	-	-
River birch	8.5	-	-	1.5	-	2.0	5.0	-	-
Other birch	6.9	-	4.5	2.4	-	-	-	-	-
Hackberry	-	-	-	-	-	-	-	-	-
Black locust	24.0	-	12.4	3.3	6.1	2.2	-	-	-
Sassafras	18.0	-	7.5	3.0	7.5	-	-	-	-
Dogwood	-	-	-	-	-	-	-	-	-
Holly	-	-	-	-	-	-	-	-	-
Other hardwoods	27.7	-	9.6	2.1	8.9	-	4.3	2.8	-
Total	7,155.0		1,658.7	1,774.9	1,584.8	959.8	550.2	582.4	44.2
All species	9,144.2	601.2	2,237.5	2,115.4	1,789.5	1,062.3	614.9	669.4	54.0

☆U.S. GOVERNMENT PRINTING OFFICE: 1982—569-082-28

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	119.4	46.9	42.4	13.3	13.2	3.0	.6	-	-
Loblolly pine	9.3	1.2	2.3	2.1	1.4	1.0	1.1	.2	-
Virginia pine	152.1	53.4	46.9	32.2	12.0	4.4	1.5	1.7	-
White pine	34.8	4.9	4.9	5.6	2.6	3.6	5.3	6.0	1.9
Pitch pine	.7	.3	.4	-	-	-	-	-	-
Redcedar	4.3	2.8	.8	.7	-	-	-	-	-
Hemlock	32.2	3.6	6.6	4.5	4.9	4.9	2.0	5.7	-
Total	352.8	113.1	104.3	58.4	34.1	16.9	10.5	13.6	1.9
Hardwood:									
Select white oaks	178.2	-	56.8	48.4	33.8	20.5	11.4	6.5	.8
Select red oaks	78.2	-	12.5	20.9	15.0	14.1	5.2	9.2	1.3
Other white oaks	134.1	-	40.4	34.0	26.0	12.6	9.5	11.0	.6
Other red oaks	199.6	-	44.6	50.8	54.6	25.9	13.2	10.5	-
Hickory	175.1	-	47.4	43.2	37.6	21.3	13.2	9.4	3.0
Persimmon	1.1		.6	.5	-	-	-	-	-
Hard maple	43.3	-	10.9	11.8	10.3	3.7	4.7	1.9	-
Soft maple	30.9	-	9.5	8.0	4.6	3.9	2.8	2.1	-
Boxelder	1.8	-	.3	.4	.5	.6	-	-	-
Beech	22.9	-	3.2	2.7	4.4	4.2	1.8	6.6	-
Sweetgum	7.4	-	2.4	3.0	.3	.5	.8	-	.4
Blackgum	20.6	-	3.8	8.5	4.6	1.3	1.8	.5	.1
Other gum	-	-	-	-	-	-	-	-	-
White ash	14.2	-	2.6	4.4	3.2	2.9	.2	.6	.3
Other ashes	8.9	-	1.3	.8	1.4	2.7	.5	2.2	-
Sycamore	1.6	-	.8	-	.3	.5	-	-	-
Basswood	14.7	-	3.7	3.9	2.1	2.3	.7	2.0	-
Yellow-poplar	194.8	-	41.1	42.9	47.3	27.6	14.9	21.0	-
Magnolia	7.5	-	1.3	2.8	.6	1.6	.7	.5	-
Willow	-	-	-	-	-	-	-	-	-
Black walnut	3.8	-	1.6	1.4	.4	-	.4	-	-
Black cherry	7.5	-	1.8	2.8	1.9	1.0	-	-	-
American elm	2.3	-	.5	.9	.3	-	-	.6	-
Other elms	3.9	-	1.8	1.7	.4	-	-	-	-
River birch	1.3	-	-	.2	-	.3	.8	-	-
Other birch	1.1	-	.7	.4	-	-	-	-	-
Hackberry	-	-	-	-	-	-	-	-	-
Black locust	3.7	-	2.1	.5	.8	.3	-	-	-
Sassafras	2.9	-	1.5	.5	.9	-	-	-	-
Dogwood	-	-	-	-	-	-	-	-	-
Holly	-	-	-	-	-	-	-	-	-
Other hardwoods	4.7	-	1.9	.4	1.4	-	.6	.4	-
Total	1,166.1	-	295.1	295.8	252.7	147.8	83.2	85.0	6.5
All species	1,518.9	113.1	399.4	354.2	286.8	164.7	93.7	98.6	8.4

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	195.1	61.1	134.0	119.4	14.6
Loblolly pine	22.7	12.6	10.1	9.3	.8
Virginia pine	286.0	112.2	173.8	152.1	21.7
White pine	44.6	6.1	38.5	34.8	3.7
Pitch pine	.8	-	.8	.7	.1
Redcedar	14.2	9.4	4.8	4.3	.5
Hemlock	41.8	5.6	36.2	32.2	4.0
Total	605.2	207.0	398.2	352.8	45.4
Hardwood:					
Select white oaks	406.5	185.2	221.3	178.2	43.1
Select red oaks	122.6	29.9	92.7	78.2	14.5
Other white oaks	281.1	114.0	167.1	134.1	33.0
Other red oaks	374.5	133.6	240.9	199.6	41.3
Hickory	350.8	141.0	209.8	175.1	34.7
Persimmon	4.9	3.5	1.4	1.1	.3
Hard maple	108.3	54.2	54.1	43.3	10.8
Soft maple	106.0	65.4	40.6	30.9	9.7
Boxelder	2.3	-	2.3	1.8	.5
Beech	37.9	9.5	28.4	22.9	5.5
Sweetgum	18.9	9.6	9.3	7.4	1.9
Blackgum	44.4	19.5	24.9	20.6	4.3
Other gum	.3	.3	-	-	-
White ash	33.7	16.8	16.9	14.2	2.7
Other ashes	17.6	6.6	11.0	8.9	2.1
Sycamore	3.7	1.6	2.1	1.6	.5
Basswood	27.1	8.6	18.5	14.7	3.8
Yellow-poplar	333.4	104.5	228.9	194.8	34.1
Magnolia	12.0	3.1	8.9	7.5	1.4
Willow	.2	.2	-	-	-
Black walnut	8.0	2.8	5.2	3.8	1.4
Black cherry	15.2	6.2	9.0	7.5	1.5
American elm	5.8	2.8	3.0	2.3	.7
Other elms	7.2	2.7	4.5	3.9	.6
River birch	2.2	.5	1.7	1.3	.4
Other birch	5.8	4.4	1.4	1.1	.3
Hackberry	.3	.3	-	-	-
Black locust	11.3	6.3	5.0	3.7	1.3
Sassafras	16.6	13.0	3.6	2.9	.7
Dogwood	2.9	2.9	-	-	-
Holly	1.2	1.2	-	-	-
Other hardwood	9.5	3.4	6.1	4.7	1.4
Total	2,372.2	953.6	1,418.6	1,166.1	252.5
All species	2,977.4	1,160.6	1,816.8	1,518.9	297.9

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	196.8	195.1	1.7	-
Loblolly pine	22.8	22.7	.1	-
Virginia pine	298.9	286.0	10.1	2.8
White pine	45.4	44.6	.8	-
Pitch pine	.8	.8	-	-
Redcedar	18.1	14.2	2.8	1.1
Hemlock	44.7	41.8	1.3	1.6
Total	627.5	605.2	16.8	5.5
Hardwood:				
Select white oaks	455.2	406.5	27.2	21.5
Select red oaks	140.8	122.6	8.0	10.2
Other white oaks	335.6	281.1	31.6	22.9
Other red oaks	443.7	374.5	39.6	29.6
Hickory	389.4	350.8	19.1	19.5
Persimmon	5.9	4.9	1.0	-
Hard maple	149.5	108.3	13.8	27.4
Soft maple	157.0	106.0	27.4	23.6
Boxelder	2.9	2.3	.6	-
Beech	77.0	37.9	11.9	27.2
Sweetgum	22.4	18.9	1.2	2.3
Blackgum	66.5	44.4	9.8	12.3
Other gum	.3	.3	-	-
White ash	45.2	33.7	8.3	3.2
Other ashes	21.7	17.6	3.7	.4
Sycamore	5.2	3.7	.9	.6
Basswood	35.2	27.1	2.8	5.3
Yellow-poplar	370.8	333.4	21.4	16.0
Magnolia	13.7	12.0	.3	1.4
Willow	.2	.2	-	-
Black walnut	10.0	8.0	.9	1.1
Black cherry	19.4	15.2	2.7	1.5
American elm	8.6	5.8	2.1	.7
Other elms	9.5	7.2	1.8	.5
River birch	3.0	2.2	.6	.2
Other birch	6.6	5.8	.5	.3
Hackberry	.3	.3	-	-
Black locust	17.5	11.3	4.0	2.2
Sassafras	21.9	16.6	3.7	1.6
Dogwood	4.7	2.9	1.5	.3
Holly	1.2	1.2	-	-
Other commercial	14.5	9.5	2.0	3.0
Noncommercial	51.2	-	51.2	-
Total	2,906.6	2,372.2	299.6	234.8
All species	3,534.1	2,977.4	316.4	240.3

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	1,161	328	833	3,807	1,366	2,441
Forest industry	809	264	545	2,421	846	1,575
Farmer	1,134	166	968	3,415	558	2,857
Misc. private	985	188	797	3,035	588	2,447
All ownerships	1,002	204	798	3,076	669	2,407

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*		
Sand pine, hemlock or White pine	1,072	929	143	4,143	4,143	-
Loblolly-shortleaf	1,000	834	166	2,758	2,388	370
Oak-pine	992	542	450	2,943	1,856	1,087
Oak-hickory	1,007	76	931	3,146	264	2,882
Maple-beech-birch	818	270	548	3,592	2,035	1,557
Oak-gum-cypress	1,066	180	886	2,518	653	1,865
Elm-ash-cottonwood	426	-	426	778	-	778
All types	1,002	204	798	3,076	669	2,407

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

County	All ownerships	National forest	Other public	Forest industry	Farmer	Misc. privat
	Thousand hectares					
Bledsoe	69.2	-	2.9	13.8	14.3	38.2
Campbell	84.6	-	6.2	6.2	12.8	59.4
Cumberland	131.3	-	18.7	16.7	27.2	68.7
Fentress	102.9	-	1.5	47.7	15.6	38.1
Franklin	70.8	-	4.5	-	4.5	61.8
Grundy	76.5	-	.2	5.1	5.3	65.9
Marion	97.4	-	14.6	9.1	16.4	57.3
Morgan	109.3	-	18.5	-	11.4	79.4
Overton	67.8	-	3.7	-	30.9	33.2
Pickett	26.2	-	5.9	-	6.0	14.3
Putnam	55.2	-	.4	-	7.9	46.9
Scott	122.4	-	1.9	11.3	35.2	74.0
Sequatchie	54.4	-	(1)	11.3	2.4	40.7
Van Buren	50.5	-	.1	33.7	6.6	10.1
Warren	38.2	-	(1)	-	19.8	18.4
White	46.3	-	.5	10.5	19.6	15.7
All counties	1,203.0	-	79.6	165.4	235.9	722.1

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							
Bledsoe	2,659	903	855	48	1,756	1,331	17	408
Campbell	6,945	1,206	1,116	90	5,739	2,727	127	2,885
Cumberland	10,007	2,866	2,283	583	7,141	4,774	257	2,110
Fentress	8,015	2,824	2,359	465	5,191	2,999	133	2,059
Franklin	4,894	108	-	108	4,786	3,041	9	1,736
Grundy	4,947	861	801	60	4,086	2,112	142	1,832
Marion	5,528	909	767	142	4,619	2,636	145	1,838
Morgan	6,414	1,342	1,022	320	5,072	2,546	96	2,430
Overton	6,108	626	598	28	5,482	1,668	116	3,698
Pickett	2,056	187	65	122	1,869	547	25	1,297
Putnam	3,982	360	303	57	3,622	1,300	57	2,265
Scott	10,611	3,030	2,557	473	7,581	4,089	139	3,353
Sequatchie	2,857	957	816	141	1,900	1,070	116	714
Van Buren	2,885	750	583	167	2,135	892	119	1,124
Warren	2,924	25	-	25	2,899	883	88	1,928
White	3,480	184	164	20	3,296	932	215	2,149
All counties	84,312	17,138	14,289	2,849	67,174	33,547	1,801	31,826

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	81	23	58
Forest industry	57	18	39
Farmer	79	12	67
Misc. private	68	13	55
All ownerships	70	14	56

STAFF OF RENEWABLE RESOURCES EVALUATION WORK UNIT, SOUTHERN FOREST EXPERIMENT STATION.
1982. Forest statistics for plateau Tennessee counties. U.S. Dep. Agric. For. Serv. Resour. Bull. SO-80, 21p. South. For. Exp. Stn., New Orleans, La.

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

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