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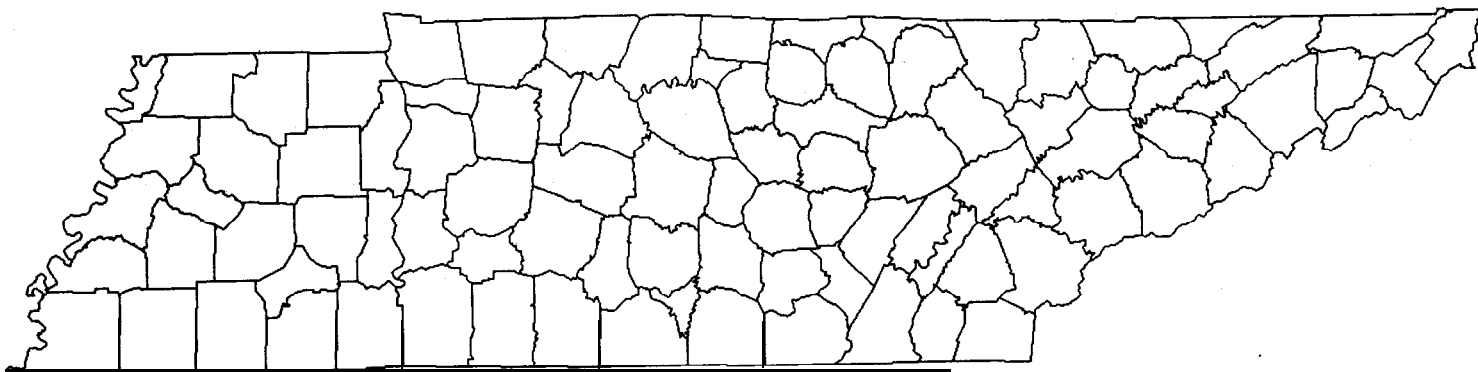
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# Forest Statistics for Tennessee Counties – 1989

John S. Vissage and K. L. Duncan



## FOREWORD

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit, covers the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, and the island of Puerto Rico.

This survey is part of the nationwide Forest Survey originally authorized by the **McSweeney-McNary** Act of **1928**. More recent legislation pertinent to the survey mission includes the Forest and Rangeland Renewable Resources Planning Act of **1974** and the Forest and Rangeland Renewable Resources Research Act of 1978. The survey mission is to develop, analyze, and maintain renewable forest resource information. This information is essential for formulation of forest policies and programs.

## ACKNOWLEDGMENTS

The Southern Station gratefully acknowledges the cooperation and assistance provided by the Tennessee Division of Forestry and forest industries in collecting field data. Appreciation is also expressed for the cooperation of other public agencies and private landowners in providing access to the sample locations.

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## CONTENTS

|                                                              |    |
|--------------------------------------------------------------|----|
| INTRODUCTION .....                                           | 1  |
| DEFINITION OF TERMS .....                                    | 2  |
| CORE TABLES 1-25* .....                                      | 5  |
| Timberland Area, Tables 1-9.....                             | 6  |
| Number of Trees, Tables 10-11.....                           | 19 |
| Timber Volume, Tables 12-17.....                             | 21 |
| Growth, Removals, and Mortality, Tables 18-24 .....          | 27 |
| Timber Volume, Table 25.....                                 | 33 |
| SUPPLEMENTAL TABLES 26-47.....                               | 33 |
| Timberland Area, Table 26.....                               | 33 |
| Timberland Volume, Tables 27-31 .....                        | 34 |
| Number of Trees, Tables 32-33.....                           | 44 |
| Timber Volume, Tables 34-40.....                             | 46 |
| Timberland Area, Tables 41-43.....                           | 53 |
| Timberland Volume, Tables 44-47 .....                        | 56 |
| FIGURES 1-33.....                                            | 64 |
| Location of Plots, Figure 1.....                             | 64 |
| Timberland Area, Figures 2-17 .....                          | 64 |
| Timberland Volume, Figures 18-25.....                        | 68 |
| Number of Trees, Mean DBH and Basal Area, Figures 26-31..... | 70 |
| Growth and Removals, Figures 32-33 .....                     | 71 |

\*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the eastern United States.

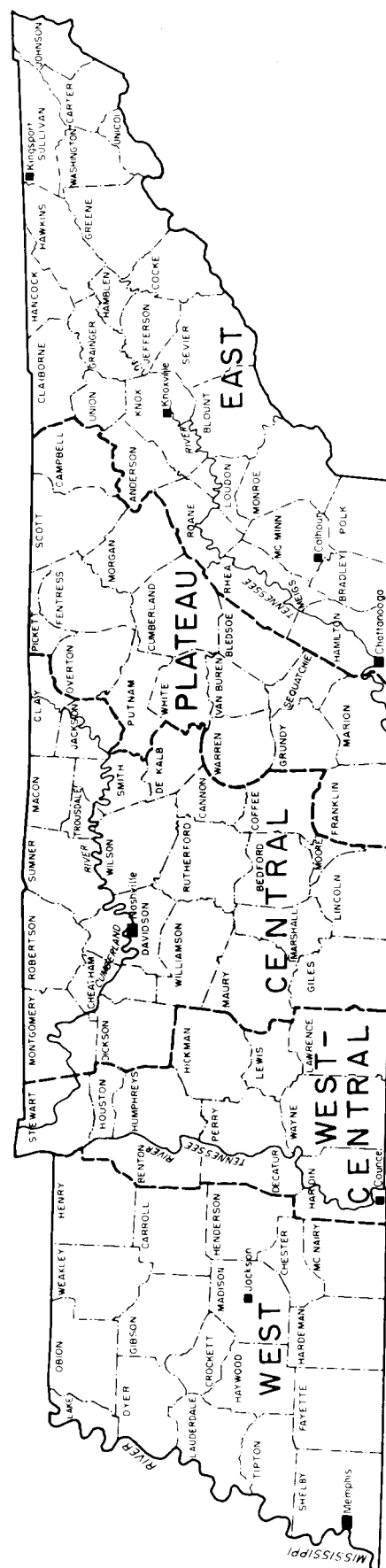


Figure 1.—The forest survey regions of Tennessee.

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## INTRODUCTION

The tables and figures in this report were derived from data obtained during a recent inventory of the five survey regions and 95 counties in the State of Tennessee (fig. 1). Data on forest acreage and timber volume were secured by a three-step process. A forest-nonforest classification using aerial photographs was accomplished with each grid representing approximately 230 acres. These photo classifications were adjusted based on ground observations at sample locations each representing approximately 3,840 acres. Finally, field measurements were made at forest locations on the intersections of grid lines spaced 3 miles apart. At these forest locations, per-acre estimates were obtained from trees measured on ten 37.5 basal area factor prism points.

The sampling methods are designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I, equal to one standard deviation for the sample data, may be used to construct confidence intervals for population estimates. For example, at the 95 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the State of Tennessee (with a sampling error of 2.3 percent) is

$$16,682.7 \pm 1.96 (0.023 \times 16,682.7) = 16,682.7 \pm 752.1$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 15,930.6 to 17,434.8 million cubic feet, unless a 1 in 20 chance has occurred.

Sampling errors for sub-groups of counties in the unit may be estimated by the following formula:

$$SE_g = \frac{SE_t \sqrt{X_t}}{\sqrt{X_g}}$$

where:

SE = standard error of estimate  
(expressed as a percent)

X = variable of interest  
(area or volume)

g = group of counties to be combined

t = total for the State.

For example, the sampling error estimate of growing-stock volume for McNairy, Hardin, Wayne, and Lawrence counties is 9.4 percent. Thus, the 95 percent confidence interval for growing-stock volume is  $998 \pm 184.0$  million cubic feet.

Ownership information is obtained by the same systematic sample outlined above. County courthouse records are used to obtain ownership information for each forested plot. An expansion factor representing timberland area in that county is then applied to the ownership group the plot represents. Next, the ownership groups are totaled for each county. Thus, acreages reported at the county level are estimates and may not exactly match known totals for each ownership category within that county.

In order to achieve greater compatibility among Forest Inventory and Analysis (FIA) projects, a new tree grading classification has been in effect since the 1988 Arkansas survey. Tree grade 5 is used for trees currently or prospectively capable of producing at least one 12-foot log or two 8-foot logs in the saw-log portion but not able to produce a 12-foot log in the butt 16 feet. These trees, formerly classed as rough or rotten, are now included as growing stock. Table II shows the impact of this change on volume and growth at the State level.

Tables 1-25 are developed to provide compatibility among Forest Inventory and Analysis Projects. Tables 26-47 are supplementary tables and may change from unit to unit or State to State to address specific resource issues. Figures 4-11 illustrate forest-type groupings from Table 41.

## DEFINITION OF TERMS

**Average net annual growth.** -Average net annual volume increase for the inter-survey period.

**Average annual mortality.** -Average annual sound-wood volume of growing-stock trees dying from natural causes.

**Average annual removals.** -Average net annual volume of growing-stock trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use.

**Commercial species.** -Tree species which normally develop into trees suitable for industrial wood products.

**Forest land.** -Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest use.

**Forest type.** -A classification of forest land based upon the species forming a plurality of live-tree stocking.

**Growing-stock frees.** -Live trees of commercial species. Rough and rotten trees are excluded.

**Growing-stock volume.** -The cubic-foot volume of sound wood in 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.

**Live frees.** - Commercial and noncommercial tree species of sapling size or larger.

**Natural stands.** -Stands with no evidence of artificial regeneration. This includes those established by seed tree regeneration methods.

**Table I-Sampling errors<sup>1</sup> for timberland, growing stock, and sawtimber, Tennessee Counties, 1989**

| County                     | Timberland | Growing stock |             |             | Sawtimber<br>volume |
|----------------------------|------------|---------------|-------------|-------------|---------------------|
|                            |            | Volume        | Growth      | Removals    |                     |
| ----- <i>Percent</i> ----- |            |               |             |             |                     |
| Anderson                   | 5.1        | 14.4          | 17.2        | 48.4        | 18.6                |
| Bedford                    | 2.9        | 32.8          | 17.8        | 39.5        | 38.6                |
| <b>Benton</b>              | 2.9        | 13.5          | 19.5        | 37.0        | 18.3                |
| Bledsoe                    | 3.3        | 14.2          | 12.6        | 29.7        | 20.3                |
| <b>Blount</b>              | 2.7        | 12.3          | 38.4        | ..          | 15.3                |
| Bradley                    | 5.1        | 31.6          | 16.0        | 36.8        | 39.4                |
| Campbell                   | 2.2        | 9.2           | 11.7        | 36.1        | 10.4                |
| Cannon                     | 4.8        | 20.4          | 25.4        | 36.1        | 27.8                |
| <b>Carroll</b>             | 1.8        | 14.4          | 9.6         | 46.7        | 21.7                |
| Carter                     | 2.3        | 10.8          | 37.7        | 21.5        | 135                 |
| <b>Cheatam</b>             | 3.7        | 15.6          | 9.2         | 38.3        | 21.1                |
| Chester                    | 1.7        | 15.5          | 26.1        | 33.2        | 20.8                |
| Claibome                   | 3.1        | 15.1          | 20.6        | 17.4        | 18.9                |
| Clay                       | 1.8        | 12.2          | 23.0        | 28.9        | 15.9                |
| <b>Cocke</b>               | 2.8        | 12.2          | 24.2        | 36.1        | 15.1                |
| Coffee                     | 2.0        | 10.7          | 17.6        | 25.0        | 12.8                |
| Crockett                   | 2.7        | 41.5          | ...         | ...         | 44.2                |
| Cumberland                 | 1.3        | 9.6           | 9.5         | 20.4        | 12.3                |
| Davidson                   | 2.9        | 23.7          | 21.7        | 23.7        | 29.6                |
| Decatur                    | 3.4        | 10.9          | 12.5        | 28.4        | 14.2                |
| De Kalb                    | 3.1        | 20.2          | 11.9        | <b>(2)</b>  | 24.7                |
| Dickson                    | 2.3        | 16.2          | 17.5        | <b>33.0</b> | 18.6                |
| Dyer                       | 1.8        | 35.2          | <b>(2)</b>  | ...         | 32.9                |
| Fayette                    | 1.8        | 21.1          | 18.1        | 32.0        | 27.5                |
| <b>Fentress</b>            | 2.4        | 11.3          | 13.1        | 25.4        | 14.5                |
| Franklin                   | 1.8        | 12.2          | 20.7        | <b>25.0</b> | 17.3                |
| Gibson                     | 2.0        | 22.3          | <b>(2)</b>  | <b>(2)</b>  | 16.2                |
| <b>Giles</b>               | 2.6        | 15.1          | <b>15.2</b> | <b>19.8</b> | 21.5                |
| Grainger                   | 2.5        | 22.3          | 16.7        | <b>42.3</b> | 29.2                |
| Greene                     | 1.9        | 14.7          | 16.1        | 39.2        | 17.8                |
| Grundy                     | 2.7        | 17.9          | 12.5        | 22.6        | 21.9                |
| Hamblen                    | 3.3        | 32.5          | <b>(2)</b>  | ...         | 36.7                |
| Hamilton                   | 3.0        | 12.2          | <b>15.1</b> | <b>(2)</b>  | 14.5                |
| <b>Hancock</b>             | 4.0        | 36.0          | 41.1        | <b>(2)</b>  | 40.4                |
| Hardeman                   | 1.7        | 14.1          | 15.1        | 34.7        | 18.3                |
| <b>Hardin</b>              | 2.5        | 14.5          | 11.2        | 29.0        | 21.0                |
| Hawkins                    | 2.1        | 16.0          | 25.4        | ...         | 19.2                |
| <b>Haywood</b>             | 1.8        | 16.3          | <b>(2)</b>  | 16.8        | 19.9                |
| Henderson                  | 2.7        | 14.8          | 19.9        | 35.3        | 17.8                |
| <b>Henry</b>               | 2.1        | 16.0          | 24.3        | 33.8        | 18.6                |
| Hickman                    | 1.7        | 8.3           | 13.6        | 17.6        | 11.4                |
| Houston                    | 1.9        | 16.4          | 13.9        | ...         | 21.5                |
| Humphreys                  | 2.7        | 10.2          | 16.3        | 33.7        | 13.4                |
| Jackson                    | 3.6        | 22.4          | 15.3        | 35.0        | 27.4                |
| Jefferson                  | 1.7        | 26.9          | 29.9        | .           | 28.6                |
| Johnson                    | 1.5        | 18.3          | 23.0        | 32.5        | 21.9                |
| <b>Knox</b>                | 2.8        | 23.2          | 28.5        | 3.7         | 26.8                |
| Lake                       | 1.6        | ...           | ...         | <b>(2)</b>  | ...                 |
| Lauderdale                 | 1.2        | 33.6          | 47.2        | 31.2        | 22.4                |
| Lawrence                   | 1.6        | 15.0          | 13.3        | 21.6        | 19.4                |
| <b>Lewis</b>               | 2.8        | 12.9          | 13.2        | 30.8        | 19.2                |
| Lincoln                    | 2.5        | 18.1          | 14.7        | 26.4        | 23.7                |
| <b>Loudon</b>              | 4.5        | 27.1          | 21.6        | 32.2        | 31.7                |
| <b>McMinn</b>              | 3.1        | 16.6          | 21.4        | 3.3         | 21.6                |
| <b>McNairy</b>             | 2.5        | 15.1          | 10.7        | 27.4        | 18.3                |
| Macon                      | 3.1        | 16.6          | 18.8        | 49.1        | 18.4                |
| Madison                    | 2.3        | 12.9          | 14.1        | <b>(2)</b>  | 15.4                |
| Marion                     | 2.0        | 11.0          | 13.5        | <b>21.2</b> | 13.7                |
| Marshall                   | 2.4        | 28.0          | 25.7        | 35.6        | 38.5                |
| <b>Maury</b>               | 2.4        | 17.8          | 20.0        | 47.3        | 28.3                |
| <b>Meigs</b>               | 2.0        | 16.2          | 19.5        | ...         | 20.1                |
| Monroe                     | 1.8        | 11.8          | 13.2        | 26.6        | 13.9                |
| Montgomery                 | 2.2        | 12.1          | 15.7        | <b>(2)</b>  | 14.4                |
| Moore                      | 2.7        | 32.9          | 23.7        | ...         | 44.7                |
| Morgan                     | 1.8        | 13.3          | 8.5         | 23.3        | 15.4                |
| Obion                      | 2.0        | 17.8          | 20.6        | 27.7        | 19.5                |
| <b>Overton</b>             | 2.6        | 9.0           | 12.0        | 47.2        | 10.7                |
| Perry                      | 1.1        | 9.4           | 12.9        | 18.2        | 10.1                |
| <b>Pickett</b>             | 4.5        | 28.8          | 31.2        | ...         | 38.2                |
| Polk                       | 2.4        | 13.3          | 27.1        | 23.2        | 16.6                |

Table I—*Sampling errors<sup>1</sup> for timberland, growing stock, and sawtimber, Tennessee Counties, 1989 - Continued*

|                            |            | Growing stock |        |          |                  |
|----------------------------|------------|---------------|--------|----------|------------------|
| county                     | Timberland | Volume        | Growth | Removals | Sawtimber volume |
| ----- <i>Percent</i> ----- |            |               |        |          |                  |
| Putnam                     | 3.0        | 19.9          | 12.6   | 27.6     | 25.8             |
| Rhea                       | 2.3        | 14.2          | 17.9   | 44.0     | 18.1             |
| Roane                      | 1.9        | 9.8           | 18.0   | 24.0     | 13.5             |
| Robertson                  | 2.6        | 16.1          | 11.8   | 41.2     | 16.6             |
| Rutherford                 | 3.2        | 20.1          | 20.6   |          | 25.7             |
| Scott                      | 2.3        | 7.0           | 12.6   | 21.2     | 9.1              |
| Sequatchie                 | 2.6        | 21.2          | 19.9   | 37.4     | 31.5             |
| Sevier                     | 1.8        | 15.3          | 18.3   | 7.0      | 19.4             |
| Shelby                     | 1.3        | 15.8          | 17.0   | ...      | 20.5             |
| Smith                      | 4.0        | 45.6          | 35.0   | 15.3     | (2)              |
| Stewart                    | 2.9        | 11.2          | 15.2   | 18.8     | 13.6             |
| Sullivan                   | 2.4        | 13.9          | 39.8   | ...      | 17.9             |
| Sumner                     | 2.0        | 20.5          | 19.9   | 16.9     | 25.2             |
| Tipton                     | 2.7        | 23.6          | 34.6   | ...      | 27.5             |
| Trousdale                  | 4.9        | 26.8          | 47.6   | ...      | 31.3             |
| Unicoi                     | 1.6        | 17.9          | 20.7   | 30.4     | 21.7             |
| Union                      | 3.0        | 19.3          | 31.4   | ...      | 23.2             |
| Van Buren                  | 3.8        | 18.7          | 13.1   | 31.4     | 23.8             |
| Warren                     | 2.7        | 16.6          | 14.5   | 24.5     | 18.9             |
| Washington                 | 1.4        | 20.0          | 22.5   | ...      | 24.5             |
| Wayne                      | 1.9        | 7.7           | 9.7    | 17.7     | 10.7             |
| Weakley                    | 2.2        | 18.0          | 43.1   | 44.9     | 22.2             |
| White                      | 2.6        | 17.4          | 10.6   | 25.9     | 22.3             |
| Williamson                 | 2.4        | 16.4          | 15.0   | 38.1     | 18.9             |
| Wilson                     | 2.0        | 24.1          | 34.9   | 36.7     | 30.6             |
| All counties               | 0.3        | 2.3           | 2.5    | 5.6      | 2.8              |

<sup>1</sup>By random-sampling formula.

<sup>2</sup>Sampling error greater than 50

Table II- *Changes in volume and growth estimates due to inclusion of tree grade 5 in growing-stock inventory, Tennessee, 1989*

|                                       | Excluded from<br>growing stock | Tree grade 5<br>Included as<br>growing stock | Percent change |
|---------------------------------------|--------------------------------|----------------------------------------------|----------------|
| ----- <i>Million cubic feet</i> ----- |                                |                                              |                |
| Softwood:                             |                                |                                              |                |
| Growing-stock volume                  | 2827.8                         | 2895.3                                       | 2.3            |
| Rough and rotten volume               | 154.2                          | 86.8                                         | -43.7          |
| Growing-stock growth                  | 92.1                           | 99.8                                         | 8.4            |
| Hardwood:                             |                                |                                              |                |
| Growing-stock volume                  | 12903.3                        | 13787.4                                      | 6.9            |
| Rough and rotten volume               | 2127.8                         | 1243.7                                       | -41.5          |
| Growing-stock growth                  | 437.3                          | 537.6                                        | 22.9           |
| ----- <i>Million board feet</i> ----- |                                |                                              |                |
| Softwood:                             |                                |                                              |                |
| Sawtimber volume                      | 9408.0                         | 9615.4                                       | 2.2            |
| Sawtimber growth                      | 357.2                          | 380.4                                        | 6.5            |
| Hardwood:                             |                                |                                              |                |
| Sawtimber volume                      | 40950.5                        | 43998.2                                      | 7.4            |
| Sawtimber growth                      | 1819.4                         | 2164.5                                       | 18.9           |

**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.

**Planted stands.** -Stands with some evidence of planting or direct seeding.

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

**Reserved timberland.** -Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

**Rotten trees.** -Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of rot.

**Rough trees.** -Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of roughness or poor form. Also included are all live trees of noncommercial species.

**Saplings.** — Growing-stock trees at least 1.0 inch but less than 5.0 inches in diameter at breast height.

**Sawtimber trees.** -Live trees that contain at least one 12-foot log or two 8-foot logs in the saw-log portion, 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 in diameter at breast height.

**Sawtimber volume.** -Sound-wood volume of the saw-log portion of growing-stock sawtimber trees in board feet, International 1/4-inch rule and in cubic feet.

**Seedlings.** -Growing-stock trees less than 1.0 inch in diameter at breast height and greater than one foot tall for hardwoods, greater than six inches tall for softwoods, and greater than one-half inch in diameter at ground level for longleaf pine.

**Select red oaks.** -A classification of several red oak species composed of: cherrybark, Shumard, and northern red oaks.

**Select white oaks.** -A classification of several white oak species composed of: white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks.

**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 diameter class of live trees on the sampled area; that is, sawtimber, poletimber, or sapling and seedling.

**Timberland.** — Forest land that is producing, or is capable of producing, crops of industrial wood and not withdrawn from timber utilization. Timberland is synonymous with “commercial forest land” in prior reports.

**Tree grade.** -A classification of the volume of the saw-log portion of sawtimber trees, based on: 1) the log grade of the butt log, or 2) ability to produce at least one 12-foot or two 8-foot logs in the upper-section of the saw-log portion.

**Woodland.** -Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

# CORE TABLES I-25

**Table I-Area by county and land class, Tennessee Counties, 1989**

| County                     | All land <sup>1</sup> | Forest land |                         |                       | Reserved timberland | Nonforest land |
|----------------------------|-----------------------|-------------|-------------------------|-----------------------|---------------------|----------------|
|                            |                       | Total       | Timberland <sup>2</sup> | Woodland <sup>3</sup> |                     |                |
| ----- Thousand acres ----- |                       |             |                         |                       |                     |                |
| Anderson                   | 216.8                 | 124.0       | 124.0                   | ...                   | ...                 | 92.8           |
| Bedford                    | <b>304.1</b>          | 74.6        | 74.6                    | ...                   | ...                 | 229.5          |
| <b>Benton</b>              | 279.1                 | 172.7       | 172.7                   | ...                   | ...                 | 106.4          |
| Bledsoe                    | 260.7                 | 186.3       | 186.3                   | ...                   | ...                 | 74.4           |
| Blount                     | 357.2                 | 165.5       | 69.9                    | ...                   | 95.6                | 191.7          |
| Bradley                    | 2095                  | 925         | 92.5                    | ...                   | ...                 | 117.0          |
| Campbell                   | 306.6                 | 250.3       | 250.2                   | ...                   | 0.1                 | 56.2           |
| Cannon                     | 170.0                 | 88.5        | 88.5                    | ...                   | ...                 | 81.5           |
| Carroll                    | 383.7                 | 169.1       | 169.1                   | ...                   | ...                 | 214.7          |
| Carter                     | 218.0                 | 161.3       | 155.5                   | ...                   | 5.8                 | 56.6           |
| <b>Cheatam</b>             | 194.3                 | 118.2       | 118.2                   | ...                   | ...                 | 76.1           |
| Chester                    | 184.7                 | 99.4        | 99.4                    | ...                   | ...                 | 85.3           |
| Claiborne                  | 276.8                 | 167.5       | 167.5                   | ...                   | ...                 | 109.2          |
| Clay                       | 145.3                 | 105.1       | 105.1                   | ...                   | ...                 | 40.2           |
| <b>Cocke</b>               | 276.5                 | 182.0       | 163.4                   | ...                   | 18.6                | 94.5           |
| Coffee                     | 274.2                 | 114.4       | 114.2                   | ...                   | 0.2                 | 159.8          |
| Crockett                   | 170.2                 | 15.1        | <b>15.1</b>             | ...                   | ...                 | 155.1          |
| Cumberland                 | 436.7                 | 320.3       | 320.3                   | ...                   | ...                 | 116.3          |
| Davidson                   | 320.5                 | 108.7       | 108.1                   | ...                   | 0.6                 | 211.8          |
| Decatur                    | 220.8                 | 134.8       | 134.8                   | ...                   | ...                 | 86.0           |
| De Kalb                    | 186.0                 | 114.2       | 114.2                   | ...                   | ...                 | 71.8           |
| Dickson                    | 314.0                 | 174.3       | 174.3                   | ...                   | ...                 | 139.7          |
| Dyer                       | 332.6                 | 40.4        | 40.4                    | ...                   | ...                 | 292.2          |
| Fayette                    | <b>451.5</b>          | 152.0       | 152.0                   | ...                   | ...                 | 299.5          |
| <b>Fentress</b>            | 318.7                 | 244.1       | 244.1                   | ...                   | 0.1                 | 74.6           |
| Franklin                   | 347.5                 | 183.4       | 183.0                   | ...                   | 0.4                 | 164.1          |
| Gibson                     | 385.6                 | 36.4        | 36.4                    | ...                   | ...                 | 349.2          |
| Giles                      | 390.7                 | 171.8       | 171.8                   | ...                   | ...                 | 218.9          |
| Grainger                   | 174.7                 | 102.6       | 102.6                   | ...                   | ...                 | 72.1           |
| Greene                     | 395.8                 | 179.9       | 171.8                   | ...                   | 8.1                 | 215.9          |
| Grundy                     | 231.2                 | 174.5       | 165.9                   | ...                   | 8.6                 | 56.7           |
| Hamblen                    | 100.1                 | 32.8        | 32.8                    | ...                   | ...                 | 67.3           |
| Hamilton                   | 345.0                 | 210.7       | 210.7                   | ...                   | ...                 | 134.3          |
| Hancock                    | 143.0                 | 92.9        | 92.9                    | ...                   | ...                 | 50.1           |
| Hardeman                   | 429.0                 | 247.1       | 247.1                   | ...                   | ...                 | 181.9          |
| <b>Hardin</b>              | 380.9                 | 219.9       | 219.9                   | ...                   | ...                 | 161.0          |
| Hawkins                    | 310.7                 | 177.3       | 177.3                   | ...                   | ...                 | 133.4          |
| <b>Haywood</b>             | 341.6                 | 71.2        | 71.2                    | ...                   | ...                 | 270.4          |
| Henderson                  | 332.8                 | 158.4       | 158.4                   | ...                   | ...                 | 174.4          |
| Henry                      | 358.3                 | 176.1       | 176.1                   | ...                   | ...                 | 182.2          |
| Hickman                    | 391.8                 | 297.2       | 297.2                   | ...                   | ...                 | 94.6           |
| Houston                    | 132.4                 | 94.2        | 94.2                    | ...                   | ...                 | 38.3           |
| <b>Humphreys</b>           | 356.2                 | 241.2       | 241.2                   | ...                   | ...                 | 115.0          |
| Jackson                    | 197.0                 | 135.9       | 135.9                   | ...                   | ...                 | 61.1           |
| Jefferson                  | 169.9                 | 62.2        | 62.2                    | ...                   | ...                 | 107.7          |
| Johnson                    | 190.2                 | 144.4       | 144.4                   | ...                   | ...                 | 45.8           |
| Knox                       | 323.8                 | 127.5       | 127.0                   | ...                   | 0.5                 | 196.2          |
| Lake                       | 107.8                 | 18.0        | 18.0                    | ...                   | ...                 | 89.8           |

**Table I-Area by county and land class, Tennessee Counties, 1989 - Continued**

| County                   | All land¹    | Forest land  |             |           | Nonforest land |                     |
|--------------------------|--------------|--------------|-------------|-----------|----------------|---------------------|
|                          |              | Total        | Timberland* | Woodland³ |                | Reserved timberland |
| -----Thousand acres----- |              |              |             |           |                |                     |
| Lauderdale               | 303.7        | <b>90.0</b>  | <b>88.8</b> |           | 1.2            | 213.6               |
| Lawrence                 | 395.4        | 199.8        | 199.8       |           |                | 19.55               |
| Lewis                    | 180.8        | 158.0        | 158.0       |           |                | 22.9                |
| Lincoln                  | <b>365.3</b> | 136.7        | 136.7       |           |                | 228.6               |
| <b>Loudon</b>            | <b>150.5</b> | 62.3         | 62.3        | ...       |                | 88.1                |
| <b>McMinn</b>            | 274.5        | 136.5        | 136.5       | ...       |                | 138.0               |
| <b>McNairy</b>           | 359.4        | 224.4        | 224.4       | ...       | ...            | 135.0               |
| Macon                    | <b>196.6</b> | 77.0         | 77.0        | .         |                | 119.6               |
| Madison                  | 357.2        | 140.7        | 140.7       | ...       |                | 216.6               |
| Marion                   | 328.0        | 251.7        | 251.7       |           | ...            | 76.2                |
| Marshall                 | 241.0        | 89.6         | 89.6        |           |                | 151.3               |
| <b>Maury</b>             | 394.4        | 133.0        | 133.0       |           | ...            | 261.4               |
| Meigs                    | 121.1        | 82.9         | 82.9        |           | ..             | 38.2                |
| Monroe                   | 414.9        | 301.5        | 279.0       |           | 22.5           | 113.3               |
| Montgomery               | 344.7        | 136.9        | 136.9       |           | 0.1            | 207.8               |
| Moore                    | 82.4         | 36.6         | 36.6        | ...       | ...            | 45.8                |
| Morgan                   | 334.5        | 287.8        | 276.2       | ...       | 11.6           | 46.7                |
| Obion                    | 352.2        | 67.6         | 67.6        | ...       |                | 284.6               |
| <b>Overton</b>           | 277.2        | 170.4        | 170.4       | ...       |                | 106.8               |
| Perry                    | 271.1        | 223.6        | 223.6       | ...       | ...            | 47.5                |
| <b>Pickett</b>           | 102.0        | 68.4         | 68.4        | ...       | ...            | 33.6                |
| Polk                     | 280.0        | 224.7        | 214.1       | ..        | 10.5           | 55.3                |
| Putnam                   | <b>255.5</b> | <b>152.5</b> | 152.3       |           | 0.1            | 103.0               |
| Rhea                     | 197.7        | 126.5        | 126.4       |           | 0.2            | 71.2                |
| <b>Roane</b>             | 228.3        | 153.1        | 153.1       |           | ...            | 75.2                |
| Robertson                | 304.6        | 53.0         | 53.0        |           | ...            | 251.5               |
| Rutherford               | 387.5        | <b>155.7</b> | 155.7       | ...       |                | 231.8               |
| Scott                    | 338.0        | 300.3        | 300.3       | ...       | ...            | 37.7                |
| Sequatchie               | 169.9        | 137.3        | 137.3       | ...       | ...            | 32.6                |
| <b>Sevier</b>            | 377.8        | 254.5        | 127.5       |           | 127.1          | 123.3               |
| Shelby                   | 493.8        | 111.6        | 111.6       |           |                | 382.2               |
| Smith                    | 200.2        | 81.0         | 81.0        |           |                | 119.1               |
| Stewart                  | 316.1        | 219.7        | 219.7       |           |                | <b>96.5</b>         |
| Sullivan                 | 265.8        | 123.6        | 123.6       | ...       |                | 142.1               |
| Sumner                   | 338.6        | 88.2         | 88.2        | ...       |                | 250.4               |
| <b>Tipton</b>            | 290.7        | 50.9         | 50.9        | ...       |                | 239.8               |
| Trousdale                | 73.1         | 30.0         | 30.0        | ...       | ...            | 43.2                |
| Unicoi                   | 119.3        | 99.3         | 89.4        | ...       | 9.9            | 20.0                |
| Union                    | 139.7        | 102.5        | 102.5       | ...       | ...            | 37.2                |
| Van Buren                | 174.4        | 145.0        | 135.4       | ...       | 9.6            | 29.4                |
| Warren                   | 275.6        | 93.6         | 93.6        |           | ...            | 182.0               |
| Washington               | 208.8        | 54.8         | so.3        | ...       | 4.5            | 154.0               |
| Wayne                    | 470.7        | 372.6        | 372.6       | ...       | ...            | 98.1                |
| Weakley                  | 372.1        | 96.1         | <b>95.9</b> | ...       | 0.2            | 276.0               |
| White                    | 238.7        | 129.4        | 129.4       | ...       | .              | 109.3               |
| Williamson               | 373.6        | 142.0        | 142.0       |           | ..             | 231.6               |
| Wilson                   | <b>365.1</b> | 98.1         | 97.0        | ...       | 1.1            | 267.0               |
| All counties             | 26447.0      | 13602.5      | 13265.2     | ...       | 337.3          | 12844.5             |

<sup>1</sup>From U.S. Bureau of the Census.

<sup>2</sup>**Forest** land (formerly termed commercial forest land) that is producing or capable of producing at least 20 cubic feet of industrial wood per acre per year. Includes areas which may be inaccessible or inoperable by current standards. Excludes reserved timberlands.

<sup>3</sup>**Forest** land incapable of producing 20 cubic feet of industrial wood **per** acre per year under natural conditions because of adverse site conditions.

Table 2-Area of timberland by county and ownership class, Tennessee Counties, 1989

| County                            | All<br>ownerships | National<br>forest | Misc.<br>federal | State | County and<br>municipal | Forest<br>industry' | Farmer      | Corporate* | Individual* |
|-----------------------------------|-------------------|--------------------|------------------|-------|-------------------------|---------------------|-------------|------------|-------------|
| <i>----- Thousand acres -----</i> |                   |                    |                  |       |                         |                     |             |            |             |
| Anderson                          | <b>124.0</b>      | ...                | 6.5              | ...   | ...                     | ...                 | 26.1        | 71.8       | 19.6        |
| Bedford                           | 74.6              | ...                | ...              | ...   | ...                     | 5.3                 | 32.0        | ...        | 37.3        |
| <b>Benton</b>                     | 172.7             | ...                | 19.2             | ...   | ...                     | 12.8                | 38.4        | 6.4        | 95.9        |
| Bledsoe                           | 186.3             | ...                | ...              | 17.5  | ...                     | 34.9                | 34.9        | 34.9       | 64.0        |
| Blount                            | 69.9              | ...                | ...              | ...   | ...                     | 9.1                 | 27.4        | 3.0        | 30.4        |
| Bradley                           | 92.5              | ...                | ...              | ...   | ...                     | 15.4                | 15.4        | ...        | 61.7        |
| Campbell                          | <b>250.2</b>      | ...                | 11.6             | 29.1  | 5.8                     | 5.8                 | 40.7        | 110.6      | 46.6        |
| Cannon                            | 88.5              | ...                | ...              | ...   | ...                     | ...                 | 41.6        | ...        | 46.8        |
| Carroll                           | 169.1             | ...                | 5.8              | 11.7  | ...                     | 11.7                | 23.3        | ...        | 116.6       |
| Carter                            | 155.5             | 78.1               | ...              | ...   | ...                     | ...                 | 17.2        | ...        | 60.2        |
| <b>Cheatam</b>                    | 118.2             | ...                | ...              | 23.6  | ...                     | ...                 | 17.7        | 11.8       | <b>65.0</b> |
| Chester                           | 99.4              | ...                | ...              | 9.9   | ...                     | 19.9                | 29.8        | 5.0        | 34.8        |
| Claiborne                         | <b>167.5</b>      | ...                | ...              | ...   | ...                     | ...                 | 87.4        | 51.0       | 29.1        |
| Clay                              | 105.1             | ...                | ...              | ...   | ...                     | ...                 | 72.8        | ...        | 32.3        |
| <b>Cocke</b>                      | 163.4             | 44.3               | ...              | ...   | ...                     | 5.7                 | 56.7        | ...        | 56.7        |
| Coffee                            | 114.2             | ...                | 10.4             | ...   | ...                     | ...                 | 51.9        | 15.6       | 36.3        |
| Crockett                          | 15.1              | ...                | ...              | ...   | ...                     | ...                 | 7.6         | ...        | 7.6         |
| Cumberland                        | 320.3             | ...                | ...              | 52.4  | 5.8                     | 46.6                | 29.1        | 46.6       | 139.8       |
| Davidson                          | 108.1             | ...                | 6.4              | ...   | 6.4                     | ...                 | 12.7        | 6.4        | 76.3        |
| Decatur                           | 134.8             | ...                | 5.4              | 5.4   | ...                     | ...                 | 43.1        | 16.2       | 64.7        |
| De Kalb                           | 114.2             | ...                | 11.4             | ...   | ...                     | ...                 | 28.5        | ...        | 74.2        |
| Dickson                           | 174.3             | ...                | ...              | ...   | ...                     | ...                 | 114.2       | 12.0       | 48.1        |
| <b>Dyer</b>                       | 40.4              | ...                | ...              | 10.1  | ...                     | 10.1                | 10.1        | 10.1       | ...         |
| Fayette                           | 152.0             | ...                | ...              | ...   | ...                     | ...                 | 86.9        | 32.6       | 32.6        |
| <b>Fentress</b>                   | 244.1             | ...                | 5.8              | 11.6  | ...                     | 87.2                | 23.2        | 40.7       | <b>75.5</b> |
| Franklin                          | 183.0             | ...                | 17.2             | 5.7   | ...                     | ...                 | 11.4        | 28.6       | 120.1       |
| Gibson                            | 36.4              | ...                | ...              | ...   | ...                     | ...                 | 36.4        | ...        | ...         |
| <b>Giles</b>                      | 171.8             | ...                | ...              | ...   | ...                     | 9.8                 | 103.1       | ...        | 58.9        |
| Grainger                          | 102.6             | ...                | ...              | ...   | ...                     | ...                 | 59.4        | 5.4        | 37.8        |
| Greene                            | 171.8             | 29.6               | ...              | ...   | ...                     | ...                 | 74.0        | 5.7        | 62.6        |
| Grundy                            | 165.9             | ...                | 5.7              | ...   | ...                     | 34.3                | 11.4        | 28.6       | <b>85.8</b> |
| Hamblen                           | 32.8              | ...                | ...              | ...   | ...                     | ...                 | 24.6        | ...        | 8.2         |
| Hamilton                          | 210.7             | ...                | 19.7             | 6.6   | ...                     | 13.2                | 32.9        | 19.7       | 118.5       |
| Hancock                           | 92.9              | ...                | ...              | ...   | ...                     | ...                 | 81.3        | ...        | 11.6        |
| Hardeman                          | 247.1             | ...                | ...              | 6.2   | ...                     | 18.5                | 98.8        | 6.2        | 117.4       |
| <b>Hardin</b>                     | 219.9             | ...                | 9.6              | ...   | ...                     | 38.2                | 76.5        | 14.3       | 81.3        |
| Hawkins                           | 177.3             | ...                | 5.7              | ...   | 5.7                     | 5.7                 | <b>85.8</b> | 5.7        | 68.6        |
| <b>Haywood</b>                    | 71.2              | ...                | ...              | ...   | ...                     | 17.8                | 41.5        | ...        | 11.9        |
| Henderson                         | 158.4             | ...                | 22.6             | 5.7   | ...                     | ...                 | 73.6        | ...        | 56.6        |
| Henry                             | 176.1             | ...                | 13.0             | ...   | ...                     | 6.5                 | 45.6        | <b>6.5</b> | 104.3       |
| Hickman                           | 297.2             | ...                | ...              | ...   | ...                     | 72.9                | 89.7        | 28.0       | 106.5       |
| Houston                           | 94.2              | ...                | ...              | ...   | ...                     | ...                 | 21.7        | 7.2        | <b>65.2</b> |
| Humphreys                         | 241.2             | ...                | ...              | ...   | ...                     | 6.0                 | <b>54.3</b> | 18.1       | 162.8       |
| Jackson                           | 135.9             | ...                | ...              | ...   | ...                     | ...                 | 31.4        | ...        | 104.5       |
| Jefferson                         | 62.2              | ...                | ...              | ...   | ...                     | ...                 | 33.9        | 11.3       | 17.0        |
| Johnson                           | 144.4             | 50.5               | ...              | ...   | ...                     | ...                 | 20.1        | ...        | 73.7        |
| Knox                              | 127.0             | ...                | ...              | ...   | ...                     | ...                 | 31.7        | 15.9       | 79.4        |
| Lake                              | 18.0              | ...                | ...              | 18.0  | ...                     | ...                 | ...         | ...        | ...         |

**Table 2-Area of timberland by county and ownership class, Tennessee Counties, 1989 - Continued**

| County                            | All<br>ownerships | National<br>forest | Misc.<br>federal | State | County and<br>municipal | Forest<br>industry <sup>1</sup> | Farmer | Corporate <sup>2</sup> | Individual <sup>2</sup> |
|-----------------------------------|-------------------|--------------------|------------------|-------|-------------------------|---------------------------------|--------|------------------------|-------------------------|
| ----- <i>Thousand acres</i> ----- |                   |                    |                  |       |                         |                                 |        |                        |                         |
| Lauderdale                        | 88.8              | ...                | 16.2             | ...   | ...                     | 24.2                            | 32.3   | ...                    | 16.2                    |
| Lawrence                          | 199.8             | .                  | ...              | 20.7  | ...                     | 27.6                            | 103.4  | 6.9                    | 41.3                    |
| <b>Lewis</b>                      | 158.0             | ...                | 5.9              | 5.9   | ...                     | 46.8                            | 23.4   | 5.9                    | 70.2                    |
| Lincoln                           | 136.7             | .                  | ...              | ...   | ...                     | ...                             | 83.2   | ...                    | 53.5                    |
| <b>Loudon</b>                     | 62.3              | ...                | 11.3             | ...   | .                       | 5.7                             | 34.0   | ...                    | 11.3                    |
| <b>McMinn</b>                     | 1365              | 2.2                | ...              | ...   | ...                     | 28.0                            | 22.4   | ...                    | 84.0                    |
| <b>McNairy</b>                    | 224.4             | ...                | ...              | 5.8   | ...                     | 40.3                            | 40.3   | ...                    | 138.1                   |
| Macon                             | 77.0              | ...                | ...              | ...   | ...                     | ...                             | 56.0   | ...                    | 21.0                    |
| Madison                           | 140.7             | ...                | ...              | 6.1   | ...                     | ...                             | 36.7   | 6.1                    | 91.7                    |
| Marion                            | 251.7             | ...                | ..               | 18.0  | ...                     | 30.0                            | 12.0   | 36.0                   | 155.8                   |
| Marshall                          | 89.6              | ...                | ...              | ...   | ...                     | ...                             | 69.7   | 5.0                    | 14.9                    |
| <b>Maury</b>                      | 133.0             | ...                | ...              | ...   | 6.7                     | ...                             | 53.2   | 13.3                   | 59.9                    |
| Meigs                             | 82.9              | ...                | ...              | 5.9   | ...                     | 11.8                            | 23.7   | .                      | 41.5                    |
| Monroe                            | 279.0             | 121.3              | 15.0             | ...   | ...                     | 7.5                             | 45.1   | 15.0                   | 75.1                    |
| Montgomery                        | 136.9             | ...                | 31.1             | ...   | ...                     | 6.2                             | 24.9   | ...                    | 74.7                    |
| Moore                             | 36.6              | ...                | ...              | .     | ...                     | ...                             | 20.9   | 5.2                    | 10.5                    |
| Morgan                            | 276.2             | ...                | 5.6              | 28.2  | ...                     | 5.6                             | 16.9   | 50.7                   | 169.1                   |
| Obion                             | 67.6              | ...                | 6.1              | 6.1   | ...                     | 12.3                            | 24.6   | ...                    | 18.4                    |
| <b>Overton</b>                    | 170.4             | ...                | 6.8              | 13.6  | ...                     | ...                             | 61.3   | 13.6                   | 75.0                    |
| Perry                             | 223.6             | ...                | 5.7              | ...   | ...                     | 63.1                            | 68.8   | 22.9                   | 63.1                    |
| <b>Pickett</b>                    | 68.4              | ...                | 13.7             | 6.8   | ...                     | ...                             | 13.7   | 6.8                    | 27.4                    |
| Polk                              | 214.1             | 136.6              | ...              | ...   | ...                     | ...                             | 29.8   | 17.9                   | 29.8                    |
| Putnam                            | 152.3             | ...                | 5.4              | ...   | ...                     | ...                             | 27.2   | 38.1                   | 81.6                    |
| Rhea                              | 126.4             | ..                 | 5.5              | ...   | 5.5                     | 44.0                            | 27.5   | .                      | 44.0                    |
| Roane                             | 153.1             | ...                | 26.4             | 5.3   | ...                     | ...                             | 21.1   | 10.6                   | 89.7                    |
| Robertson                         | 53.0              | ...                | ...              | ...   | ...                     | ...                             | 37.9   | 7.6                    | 7.6                     |
| Rutherford                        | 155.7             | ...                | 5.6              | 5.6   | 5.6                     | ...                             | 44.5   | 5.6                    | 88.9                    |
| Scott                             | 300.3             | ...                | 49.1             | 5.5   | ...                     | 10.9                            | 60.1   | 92.8                   | 81.9                    |
| <b>Sequatchie</b>                 | 137.3             | ...                | ...              | ...   | ...                     | 22.9                            | ...    | 5.7                    | 108.7                   |
| Sevier                            | 127.5             | ...                | ...              | ...   | ..                      | ...                             | 33.0   | 4.7                    | 89.7                    |
| Shelby                            | 111.6             | ..                 | ...              | 19.7  | 13.1                    | ...                             | 26.3   | ...                    | 52.5                    |
| Smith                             | 81.0              | ...                | ...              | ...   | ...                     | ..                              | 67.5   | ...                    | 13.5                    |
| Stewart                           | 219.7             | ...                | 62.8             | 6.3   | ...                     | 69.0                            | 25.1   | ...                    | 56.5                    |
| Sullivan                          | 123.6             | 37.1               | 4.8              | ...   | 4.8                     | ...                             | 28.8   | 4.8                    | 43.3                    |
| Sumner                            | 88.2              | ...                | ...              | .     | ..                      | ...                             | 56.7   | ...                    | 31.5                    |
| <b>Tipton</b>                     | 50.9              | ...                | ...              | ...   | ...                     | ...                             | 43.6   | ...                    | 7.3                     |
| <b>Trousdale</b>                  | 30.0              | ...                | ...              | ...   | ...                     | ...                             | ...    | ...                    | 30.0                    |
| Unicoi                            | 89.4              | 43.8               | ...              | 12.4  | ...                     | ...                             | ...    | ...                    | 33.2                    |
| Union                             | 102.5             | ...                | 10.8             | 16.2  | ...                     | ...                             | 27.0   | ...                    | 48.6                    |
| Van Buren                         | 135.4             | ...                | ...              | 5.4   | ...                     | 27.1                            | 10.8   | 65.0                   | 27.1                    |
| Warren                            | 93.6              | ...                | ...              | ...   | ...                     | ...                             | 46.8   | 15.6                   | 31.2                    |
| Washington                        | 50.3              | 12.4               | ...              | ..    | ...                     | ...                             | 14.2   | ...                    | 23.7                    |
| Wayne                             | 372.6             | ...                | ...              | ...   | ...                     | 145.3                           | 56.8   | 31.6                   | 139.0                   |
| Weakley                           | 95.9              | ...                | 7.4              | ...   | ...                     | ...                             | 14.8   | 7.4                    | 66.4                    |
| White                             | 129.4             | ...                | ...              | ...   | ...                     | 28.1                            | 45.0   | 5.6                    | 50.6                    |
| Williamson                        | 142.0             | ...                | ..               | ..    | ...                     | ...                             | 78.9   | ...                    | 63.1                    |
| Wilson                            | 97.0              | ...                | .                | 15.3  | ...                     | ...                             | 51.0   | 5.1                    | 25.5                    |
| <b>All counties</b>               | 13265.2           | 556.0              | 471.4            | 422.2 | 59.4                    | 1143.9                          | 3848.9 | 1181.4                 | 5582.2                  |

<sup>1</sup>Includes land leased to forest industry.

<sup>2</sup>**Indian** land will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

**Table 3—Area of timberland by county and forest type group, Tennessee Counties, 1989**

| County                     | Total | Forest type group      |                                         |         |              |                 |                     |                        |                          | Nontyped <sup>3</sup> |
|----------------------------|-------|------------------------|-----------------------------------------|---------|--------------|-----------------|---------------------|------------------------|--------------------------|-----------------------|
|                            |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech<br>birch |                       |
|                            |       |                        | Planted                                 | Natural |              |                 |                     |                        |                          |                       |
| ----- Thousand acres ----- |       |                        |                                         |         |              |                 |                     |                        |                          |                       |
| Anderson                   | 124.0 |                        |                                         | 13.1    | 6.5          | 97.9            |                     | ...                    | 6.5                      | ...                   |
| Bedford                    | 74.6  | ...                    | ...                                     | 16.0    | 10.7         | 42.6            | 5.3                 | ...                    | ...                      | ...                   |
| Benton                     | 172.7 | .                      | 12.8                                    | ...     | 12.8         | 140.7           | 6.4                 | ...                    | .                        | ...                   |
| Bledsoe                    | 186.3 | ...                    | 23.3                                    | 17.5    | 29.1         | 116.4           | ...                 | ...                    | ...                      | ...                   |
| Blount                     | 69.9  | 3.0                    | 3.0                                     | 6.1     | 24.3         | 33.4            | ...                 | ...                    | ...                      | ...                   |
| Bradley                    | 92.5  | ...                    | .                                       | 30.8    | 15.4         | 46.3            | ...                 | ...                    | ...                      | ...                   |
| Campbell                   | 250.2 | ...                    | 5.8                                     | 17.5    | 29.1         | 197.9           | ...                 | ...                    | ...                      | ...                   |
| Cannon                     | 88.5  | ...                    | ...                                     | 5.2     | 10.4         | 72.9            | ...                 | ...                    | ...                      | ...                   |
| Carroll                    | 169.1 | ...                    | 5.8                                     | ...     | 5.8          | 122.4           | 35.0                | ...                    | ...                      | ...                   |
| Carter                     | 155.5 | ...                    | ...                                     | 8.6     | 17.2         | 120.5           | ...                 | ...                    | 9.2                      | ...                   |
| Cheatam                    | 118.2 | ...                    | ...                                     | ...     | ...          | 118.2           | ...                 | ...                    | ...                      | ...                   |
| Chester                    | 99.4  | ...                    | 5.0                                     | 5.0     | 29.8         | 49.7            | 5.0                 | 5.0                    | ...                      | ...                   |
| Claibome                   | 167.5 | . . . . .              | .                                       | 7.3     | 21.9         | 116.6           | ...                 | ...                    | 21.9                     | ...                   |
| Clay                       | 105.1 | . . . . .              | .                                       | ...     | 8.1          | 97.0            | ...                 | ...                    | ...                      | ...                   |
| Cocke                      | 163.4 | . . . . .              | .                                       | 17.0    | 25.9         | 114.8           | 5.7                 | ...                    | ...                      | ...                   |
| Coffee                     | 114.2 | . . . . .              | .                                       | ...     | .            | 109.0           | 5.2                 | ...                    | ...                      | ...                   |
| Crockett                   | 15.1  | . . . . .              | .                                       | ...     | ...          | 15.1            | ...                 | ...                    | ...                      | ...                   |
| Cumberland                 | 320.3 | 5.8                    | 23.3                                    | 23.3    | 58.2         | 209.7           | ...                 | ...                    | ...                      | ...                   |
| Davidson                   | 108.1 | . . . . .              | .                                       | ...     | 12.7         | 95.4            | ...                 | ...                    | ...                      | ...                   |
| Decatur                    | 134.8 | ...                    | 5.4                                     | ...     | 5.4          | 118.6           | 5.4                 | ...                    | ...                      | ...                   |
| De Kalb                    | 114.2 | . . . . .              | .                                       | 11.4    | 22.8         | 74.2            | 5.7                 | ...                    | ...                      | ...                   |
| Dickson                    | 174.3 | . . . . .              | .                                       | ...     | 6.0          | 168.3           | ...                 | ...                    | ...                      | ...                   |
| Dyer                       | 40.4  | . . . . .              | .                                       | ..      | ...          | 10.1            | 30.3                | ...                    | ...                      | ...                   |
| Fayette                    | 152.0 | . . . . .              | .                                       | 21.7    | 10.9         | 108.6           | 10.9                | ...                    | ...                      | ...                   |
| Fentress                   | 244.1 | ...                    | 11.6                                    | 40.7    | 40.7         | 151.1           | ...                 | ...                    | ...                      | ...                   |
| Franklin                   | 183.0 | . . . . .              | .                                       | ...     | 11.4         | 171.6           | ...                 | ...                    | ...                      | ...                   |
| Gibson                     | 36.4  | . . . . .              | .                                       | ...     | ...          | 36.4            | ...                 | ...                    | ...                      | ...                   |
| Giles                      | 171.8 | 4.9                    | ...                                     | 4.9     | 4.9          | 152.2           | 4.9                 | ...                    | ...                      | ...                   |
| Grainger                   | 102.6 | . . . . .              | .                                       | ...     | 16.2         | 86.4            | ...                 | ...                    | ...                      | ...                   |
| Greene                     | 171.8 | . . . . .              | .                                       | 28.4    | 21.3         | 116.4           | ...                 | ...                    | 5.7                      | ...                   |
| Grundy                     | 165.9 | . . . . .              | .                                       | 11.4    | 5.7          | 143.0           | ...                 | ...                    | ...                      | 5.7                   |
| Hamblen                    | 32.8  | . . . . .              | .                                       | 8.2     | 8.2          | 16.4            | ...                 | ...                    | ...                      | ...                   |
| Hamilton                   | 210.7 | ...                    | 6.6                                     | 32.9    | 39.5         | 125.1           | 6.6                 | ...                    | ...                      | ...                   |
| Hancock                    | 92.9  | . . . . .              | .                                       | ...     | 5.8          | 75.5            | ...                 | ...                    | 11.6                     | ...                   |
| Hardeman                   | 247.1 | ...                    | 18.5                                    | 12.4    | 30.9         | 154.4           | 30.9                | ...                    | ...                      | ...                   |
| Hardin                     | 219.9 | ...                    | 33.5                                    | 14.3    | 38.2         | 100.4           | 33.5                | ...                    | ...                      | ...                   |
| Hawkins                    | 177.3 | . . . . .              | .                                       | 11.4    | 34.3         | 125.9           | ...                 | ...                    | 5.7                      | ...                   |
| Haywood                    | 71.2  | . . . . .              | .                                       | ...     | ...          | 11.9            | 59.3                | ...                    | ...                      | ...                   |
| Henderson                  | 158.4 | ...                    | 17.0                                    | 28.3    | 5.7          | 84.9            | 22.6                | ...                    | ...                      | ...                   |
| Henry                      | 176.1 | ...                    | 6.5                                     | ...     | ...          | 123.9           | 45.6                | ...                    | ...                      | ...                   |
| Hickman                    | 297.2 | ...                    | 5.6                                     | ...     | ...          | 291.6           | ...                 | ...                    | ...                      | ...                   |
| Houston                    | 94.2  | . . . . .              | .                                       | ...     | ...          | 94.2            | ...                 | ...                    | ...                      | ...                   |
| Humphreys                  | 241.2 | ...                    | ...                                     | ...     | ...          | 241.2           | ...                 | ...                    | ...                      | ...                   |
| Jackson                    | 135.9 | . . . . .              | .                                       | ...     | 31.4         | 104.5           | ...                 | ...                    | ...                      | ...                   |
| Jefferson                  | 62.2  | ...                    | 11.3                                    | ...     | 5.7          | 45.2            | ...                 | ...                    | ...                      | ...                   |
| Johnson                    | 144.4 | . . . . .              | .                                       | ...     | 26.8         | 104.1           | ...                 | ...                    | 13.4                     | ...                   |
| Knox                       | 127.0 | . . . . .              | .                                       | 15.9    | 31.7         | 79.4            | ...                 | ...                    | ...                      | ...                   |
| Lake                       | 18.0  | . . . . .              | .                                       | ...     | ...          | ...             | 18.0                | ...                    | ...                      | ...                   |

Table 3-Area of timberland by county and forest type group, Tennessee Counties, 1989 - Continued

| County                     | Total   | Forest type group      |                                         |         |               |                 |                     |                        |                          |                       |
|----------------------------|---------|------------------------|-----------------------------------------|---------|---------------|-----------------|---------------------|------------------------|--------------------------|-----------------------|
|                            |         | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak-*<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech<br>birch | Nontyped <sup>3</sup> |
|                            |         |                        | Planted                                 | Natural |               |                 |                     |                        |                          |                       |
| ----- Thousand acres ----- |         |                        |                                         |         |               |                 |                     |                        |                          |                       |
| Lauderdale                 | 88.8    | ...                    | ...                                     | ...     | ...           | 32.3            | 32.3                | 24.2                   | ...                      |                       |
| Lawrence                   | 199.8   | ..                     | ...                                     | ..      | 6.9           | 186.1           | 6.9                 | ...                    | ...                      | ...                   |
| Lewis                      | 158.0   | ...                    | 5.9                                     | .       | 5.9           | 134.6           | 11.7                | ..                     | ...                      | ...                   |
| Lincoln                    | 136.7   | ...                    | ...                                     | 17.8    | 17.8          | 89.1            | 11.9                | ...                    | ...                      | ...                   |
| Loudon                     | 62.3    | ...                    | 5.7                                     | 17.0    | 11.3          | 22.7            | ...                 | ...                    | 5.7                      | ...                   |
| McMinn                     | 136.5   | ...                    | 22.4                                    | 44.8    | 16.8          | 46.9            | 5.6                 | ...                    | ...                      |                       |
| McNairy                    | 224.4   | ...                    | 5.8                                     | 40.3    | 40.3          | 120.8           | 17.3                | ...                    | .                        |                       |
| Macon                      | 77.0    | ...                    | ...                                     | .       | ...           | 77.0            | ...                 | ...                    |                          | ...                   |
| Madison                    | 140.7   | ...                    | ...                                     | 6.1     | 24.5          | 61.2            | 48.9                | ...                    |                          | ...                   |
| Marion                     | 251.7   | ...                    | 6.0                                     | ...     | 36.0          | 203.8           | 6.0                 | ...                    | ...                      |                       |
| Marshall                   | 89.6    | ...                    | ...                                     | 5.0     | 24.9          | 59.7            | ...                 | ...                    | ...                      |                       |
| Maury                      | 133.0   | ...                    | ...                                     | 6.7     | 6.7           | 119.7           | ...                 | ...                    |                          | ...                   |
| Meigs                      | 82.9    | ...                    | 17.8                                    | ...     | 23.7          | 41.5            | ...                 | ...                    | .                        | ...                   |
| Monroe                     | 279.0   | 7.1                    | ...                                     | 77.9    | 76.8          | 106.5           | ...                 | ...                    | 10.7                     | ...                   |
| Montgomery                 | 136.9   | ...                    | ...                                     | ...     | 12.4          | 124.4           | ...                 | ...                    | ...                      | ...                   |
| Moore                      | 36.6    | ...                    | ...                                     | ...     | ...           | 36.6            | ...                 | ...                    | ...                      | ...                   |
| Morgan                     | 276.2   | ...                    | 5.6                                     | ...     | 84.5          | 186.0           | ...                 | ...                    | ...                      | ...                   |
| Obion                      | 67.6    | ...                    | ...                                     | .       | ...           | 30.7            | 36.8                | ...                    | ...                      | ...                   |
| Overton                    | 170.4   | ...                    | ...                                     | 6.8     | 13.6          | 149.9           | ...                 | ...                    | ...                      | ...                   |
| Perry                      | 223.6   | .                      | ...                                     | 11.5    | 5.7           | 200.7           | 5.7                 | ...                    | ...                      | ...                   |
| Pickett                    | 68.4    | ...                    | ...                                     | ...     | 6.8           | 61.6            | ...                 |                        |                          | ...                   |
| Polk                       | 214.1   | 12.8                   | ...                                     | 82.7    | 47.8          | 60.6            | ...                 | ...                    | 10.2                     |                       |
| Putnam                     | 152.3   | ...                    | ...                                     | 10.9    | 16.3          | 125.1           | ...                 | ...                    | ...                      |                       |
| Rhea                       | 126.4   | ...                    | 5.5                                     | 5.5     | 27.5          | 87.9            | ...                 | ...                    | ...                      | ...                   |
| Roane                      | 153.1   | ...                    | 5.3                                     | 5.3     | 26.4          | 116.1           | .                   | ...                    | ..                       | ...                   |
| Robertson                  | 53.0    | ...                    | ...                                     | ...     | ...           | 53.0            | ...                 | ...                    | ...                      | ...                   |
| Rutherford                 | 155.7   | ...                    | ...                                     | 50.0    | 38.9          | 66.7            | ...                 | ...                    | ...                      | ...                   |
| Scott                      | 300.3   | 5.5                    | ...                                     | 16.4    | 38.2          | 240.2           | ...                 | ...                    | ...                      | ...                   |
| Sequatchie                 | 137.3   | 5.7                    | 11.4                                    | 40.0    | .             | 80.1            | ...                 | ...                    | ...                      | ...                   |
| Sevier                     | 127.5   | ...                    | ...                                     | 14.2    | 51.9          | 61.4            | ...                 |                        |                          | ...                   |
| Shelby                     | 111.6   | ...                    | ...                                     | ...     | ...           | 59.1            | 45.9                | 6.6                    | ...                      | ...                   |
| Smith                      | 81.0    | ...                    | ...                                     | 13.5    | 6.8           | 60.8            | ...                 | ...                    | ...                      | ...                   |
| Stewart                    | 219.7   | ...                    | ...                                     | 6.3     | ...           | 213.4           | ...                 | ...                    | ...                      | ...                   |
| Sullivan                   | 123.6   | 7.4                    | ...                                     | 4.8     | 20.8          | 90.7            | ...                 | ...                    | ...                      |                       |
| Sumner                     | 88.2    | ...                    | ...                                     | 12.6    | ...           | 75.6            | .                   | ...                    | ...                      | ...                   |
| Tipton                     | 50.9    | ...                    | ...                                     | ...     | ...           | 36.3            | 7.3                 | 7.3                    | ..                       | ...                   |
| Trousdale                  | 30.0    | ..                     | ...                                     | ...     | 12.0          | 18.0            | ...                 | ...                    | .                        | ...                   |
| Unicoi                     | 89.4    | 6.3                    | ...                                     | ...     | 20.8          | 62.4            | .                   | ...                    | ...                      | ...                   |
| Union                      | 102.5   | ...                    | ...                                     | 10.8    | 21.6          | 59.3            | ...                 |                        | 10.8                     | ...                   |
| Van Buren                  | 135.4   | 5.4                    | 10.8                                    | 21.7    | 10.8          | 86.7            | .                   | ...                    | ...                      | ...                   |
| Warren                     | 93.6    | .                      | ...                                     | ...     | 5.2           | 83.2            | 5.2                 |                        |                          | ...                   |
| Washington                 | 50.3    | .                      | ...                                     | ...     | 8.9           | 41.4            | ...                 | .                      | .                        | ...                   |
| Wayne                      | 372.6   | ...                    | 25.3                                    | 12.6    | 18.9          | 309.5           | 6.3                 | ..                     |                          | ...                   |
| Weakley                    | 95.9    | .                      | 7.4                                     | ...     | ...           | 44.3            | 44.3                |                        | .                        | ...                   |
| White                      | 129.4   | ...                    | 16.9                                    | 5.6     | 5.6           | 95.7            | 5.6                 | ...                    |                          | ...                   |
| Williamson                 | 142.0   | ...                    | ...                                     | 15.8    | 15.8          | 105.2           | 5.3                 | ...                    | ...                      | ...                   |
| Wilson                     | 97.0    | ...                    | ..                                      | 15.3    | 61.2          | 20.4            |                     | ...                    | ...                      | ...                   |
| All counties               | 13265.2 | 64.0                   | 346.7                                   | 987.1   | 1591.5        | 9476.5          | 639.3               | 43.0                   | 111.4                    | 5.7                   |

<sup>1</sup>Includes redcedar forest type<sup>2</sup>Includes redcedar-hardwood forest type.<sup>3</sup>Timberland with no current stocking.

Table 4—Area of timberland by county and stand-size class, Tennessee Counties, 1989

| County                            | All<br>classes | Stand-size class |            | Sapling-<br>seedling | Nonstocked<br>areas |
|-----------------------------------|----------------|------------------|------------|----------------------|---------------------|
|                                   |                | Sawtimber        | Poletimber |                      |                     |
| ----- <i>Thousand acres</i> ----- |                |                  |            |                      |                     |
| Anderson                          | 124.0          | 91.4             | 26.1       | 6.5                  | ...                 |
| Bedford                           | 74.6           | 26.6             | 32.0       | 16.0                 | ...                 |
| <b>Benton</b>                     | 172.7          | 51.2             | 76.8       | 44.8                 | ...                 |
| Bledsoe                           | 186.3          | 46.6             | 93.1       | 46.6                 | ...                 |
| Blount                            | 69.9           | 45.6             | 15.2       | 9.1                  | ...                 |
| Bradley                           | 92.5           | 61.7             | .          | 30.8                 | ...                 |
| Campbell                          | 250.2          | 157.1            | 64.0       | 29.1                 | ...                 |
| Cannon                            | 88.5           | 31.2             | 41.6       | 15.6                 | ...                 |
| Carroll                           | 169.1          | 93.3             | 70.0       | 5.8                  | ...                 |
| Carter                            | 155.5          | 111.3            | 44.2       | ...                  | ...                 |
| <b>Cheatam</b>                    | 118.2          | 59.1             | 41.4       | 17.7                 | ...                 |
| Chester                           | 99.4           | 29.8             | 39.8       | 29.8                 | ...                 |
| Claibome                          | 1675           | 94.7             | 51.0       | 21.9                 | ...                 |
| Clay                              | 105.1          | 16.2             | 48.5       | 40.4                 | ...                 |
| <b>Cocke</b>                      | 163.4          | 84.5             | 61.8       | 17.0                 | ...                 |
| Coffee                            | 114.2          | 72.7             | 31.1       | 10.4                 | ...                 |
| Crockett                          | 15.1           | 15.1             | ...        | ...                  | ...                 |
| Cumberland                        | 320.3          | 157.3            | 110.7      | 52.4                 | ...                 |
| Davidson                          | 108.1          | 44.5             | 50.9       | 12.7                 | ...                 |
| Decatur                           | 134.8          | 75.5             | 48.5       | 10.8                 | ...                 |
| <b>De Kalb</b>                    | 114.2          | 57.1             | 40.0       | 17.1                 | ...                 |
| Dickson                           | 174.3          | 102.2            | 48.1       | 24.0                 | ...                 |
| Dyer                              | 40.4           | 40.4             | ...        | ...                  | ...                 |
| Fayette                           | 152.0          | 108.6            | 32.6       | 10.9                 | ...                 |
| <b>Fentress</b>                   | 244.1          | 104.6            | 116.2      | 23.2                 | ...                 |
| Franklin                          | 183.0          | 85.8             | 57.2       | 40.0                 | ...                 |
| Gibson                            | 36.4           | 24.2             | ...        | 12.1                 | ...                 |
| Giles                             | 171.8          | 34.4             | 83.4       | 54.0                 | ...                 |
| Grainger                          | 102.6          | 70.2             | 27.0       | 5.4                  | ...                 |
| Greene                            | 171.8          | 100.8            | 44.1       | 27.0                 | ...                 |
| Grundy                            | 165.9          | 57.2             | 57.2       | 45.8                 | 5.7                 |
| <b>Hamblen</b>                    | 32.8           | 24.6             | 8.2        | ...                  | ...                 |
| Hamilton                          | 210.7          | 125.1            | 52.7       | 32.9                 | ...                 |
| Hancock                           | 92.9           | 34.8             | 17.4       | 40.7                 | ...                 |
| Hardeman                          | 247.1          | 117.4            | 80.3       | 49.4                 | ...                 |
| <b>Hardin</b>                     | 219.9          | 76.5             | 109.9      | 33.5                 | ...                 |
| Hawkins                           | 177.3          | <b>91.5</b>      | 51.5       | 34.3                 | ...                 |
| <b>Haywood</b>                    | 71.2           | 53.4             | 5.9        | 11.9                 | ...                 |
| Henderson                         | 158.4          | 90.5             | 45.3       | 22.6                 | ...                 |
| Henry                             | 176.1          | 97.8             | 32.6       | 45.6                 | ...                 |
| Hickman                           | 297.2          | 106.5            | 173.8      | 16.8                 | ...                 |
| Houston                           | 94.2           | 36.2             | 29.0       | 29.0                 | ...                 |
| <b>Humphreys</b>                  | 241.2          | 108.6            | 90.5       | 42.2                 | ...                 |
| Jackson                           | 135.9          | 52.3             | 47.0       | 36.6                 | ...                 |
| Jefferson                         | 62.2           | 39.6             | 5.7        | 17.0                 | ...                 |
| Johnson                           | 144.4          | 67.2             | 57.1       | 20.1                 | ...                 |
| Knox                              | 127.0          | 63.5             | 31.7       | 31.7                 | ...                 |
| Lake                              | 18.0           | 18.0             | ...        | ...                  | ...                 |

**Table 4-Area of timberland by county and stand-size class, Tennessee Counties, 1989**  
**Continued**

| County                    | All<br>classes | Stand-size class |            | Sapling-<br>seedling | Nonstocked<br>areas |
|---------------------------|----------------|------------------|------------|----------------------|---------------------|
|                           |                | Sawtimber        | Poletimber |                      |                     |
| -----Thousand acres ----- |                |                  |            |                      |                     |
| Lauderdale                | 88.8           | 72.7             | ...        | 16.2                 | ...                 |
| Lawrence                  | 199.8          | 62.0             | 82.7       | 55.1                 | ...                 |
| Lewis                     | 158.0          | 58.5             | 64.4       | 35.1                 | ...                 |
| Lincoln                   | 136.7          | 29.7             | 65.4       | 41.6                 | ...                 |
| <b>Loudon</b>             | 62.3           | 45.3             | ...        | 17.0                 | ...                 |
| <b>McMinn</b>             | 136.5          | 61.6             | 56.0       | 18.9                 | ...                 |
| <b>McNairy</b>            | 224.4          | 69.0             | 103.6      | 51.8                 | ...                 |
| Macon                     | 77.0           | 49.0             | 14.0       | 14.0                 | ...                 |
| Madison                   | 140.7          | 97.9             | 30.6       | 12.2                 | ...                 |
| Marion                    | 251.7          | 161.8            | 47.9       | 42.0                 | ...                 |
| Marshall                  | 89.6           | 34.8             | 19.9       | 34.8                 | ...                 |
| <b>Maury</b>              | 133.0          | 39.9             | 53.2       | 39.9                 | ...                 |
| Meigs                     | 82.9           | 41.5             | 35.5       | 5.9                  | ...                 |
| Monroe                    | 279.0          | 154.0            | 73.2       | 51.8                 | ...                 |
| Montgomery                | 136.9          | 56.0             | 49.8       | 31.1                 | ...                 |
| Moore                     | 36.6           | 26.1             | 10.5       | ...                  | ...                 |
| Morgan                    | 276.2          | 146.6            | 73.3       | 56.4                 | ...                 |
| Obion                     | 67.6           | <b>55.3</b>      | 12.3       | ...                  | ...                 |
| <b>Overton</b>            | 170.4          | 122.7            | 34.1       | 13.6                 | ...                 |
| Perry                     | 223.6          | 68.8             | 114.7      | 40.1                 | ...                 |
| <b>Pickett</b>            | 68.4           | 41.1             | 20.5       | 6.8                  | ...                 |
| Polk                      | 214.1          | 113.5            | 35.0       | 65.7                 | ...                 |
| Putnam                    | 152.3          | 76.2             | 43.5       | 32.6                 | ...                 |
| Rhea                      | 126.4          | 54.9             | 44.0       | 27.5                 | ...                 |
| Roane                     | 153.1          | 79.2             | 58.1       | 15.8                 | ...                 |
| Robertson                 | 53.0           | 37.9             | 7.6        | 7.6                  | ...                 |
| Rutherford                | 155.7          | 33.4             | 50.0       | 72.3                 | ...                 |
| Scott                     | 300.3          | 196.6            | 76.4       | 27.3                 | ...                 |
| Sequatchie                | 137.3          | 57.2             | 51.5       | 28.6                 | ...                 |
| Sevier                    | 127.5          | 70.8             | 42.5       | 14.2                 | ...                 |
| Shelby                    | 111.6          | 72.2             | 32.8       | 6.6                  | ...                 |
| Smith                     | 81.0           | 13.5             | 47.3       | 20.3                 | ...                 |
| Stewart                   | 219.7          | 12.5.5           | 50.2       | 43.9                 | ...                 |
| Sullivan                  | 123.6          | 62.9             | 47.4       | 13.3                 | ...                 |
| Sumner                    | 88.2           | 63.0             | 12.6       | 12.6                 | ...                 |
| <b>Tipton</b>             | 50.9           | 36.3             | 7.3        | 7.3                  | ...                 |
| Trousdale                 | 30.0           | 6.0              | 24.0       | ...                  | ...                 |
| Unicoi                    | 89.4           | 60.3             | 25.0       | 4.1                  | ...                 |
| Union                     | 102.5          | 70.1             | 21.6       | 10.8                 | ...                 |
| Van Buren                 | 135.4          | 43.3             | 43.3       | 48.8                 | ...                 |
| Warren                    | 93.6           | 46.8             | 36.4       | 10.4                 | ...                 |
| Washington                | 50.3           | 32.6             | 13.0       | 4.7                  | ...                 |
| Wayne                     | 372.6          | 101.1            | 195.8      | 75.8                 | ...                 |
| Weakley                   | 95.9           | 73.8             | 14.8       | 7.4                  | ...                 |
| White                     | 129.4          | 67.5             | 50.6       | 11.3                 | ...                 |
| Williamson                | 142.0          | 52.6             | 78.9       | 10.5                 | ...                 |
| Wilson                    | 97.0           | 2.5.5            | 35.7       | 35.7                 | ...                 |
| All counties              | 13265.2        | 6521.2           | 4397.5     | 2340.8               | 5.7                 |

**Table 5—Area of timberland by county and site class, Tennessee Counties, 1989**

| County                          | All<br>classes | Site class (cubic feet/acre/year) |         |              |       |      |
|---------------------------------|----------------|-----------------------------------|---------|--------------|-------|------|
|                                 |                | > 165                             | 120-165 | 85-120       | 50-85 | < 50 |
| <i>-----Thousand acres-----</i> |                |                                   |         |              |       |      |
| Anderson                        | <b>124.0</b>   | 13.1                              | 19.6    | 19.6         | 65.3  | 65   |
| Bedford                         | 14.6           | ...                               | 10.7    | 16.0         | 16.0  | 32.0 |
| <b>Benton</b>                   | 172.7          | ...                               | 6.4     | 57.6         | 895   | 19.2 |
| <b>Bledsoe</b>                  | 186.3          | 23.3                              | 5.8     | 46.6         | 75.7  | 34.9 |
| <b>Blount</b>                   | 69.9           | ...                               | 6.1     | 15.2         | 45.6  | 3.0  |
| Bradley                         | 92.5           | ...                               | 15.4    | 15.4         | 61.7  | ...  |
| Campbell                        | 250.2          | 11.6                              | 40.7    | 98.9         | 75.7  | 23.3 |
| Cannon                          | 885            | 5.2                               | 10.4    | 15.6         | 31.2  | 26.0 |
| Carroll                         | 169.1          | ...                               | 29.1    | 81.6         | 46.6  | 11.7 |
| Carter                          | 1555           | ...                               | 17.8    | 52.8         | 49.4  | 35.6 |
| <b>Cheatam</b>                  | 118.2          | 5.9                               | 17.7    | 17.7         | 70.9  | 5.9  |
| Chester                         | 99.4           | 5.0                               | 5.0     | 59.7         | 19.9  | 9.9  |
| Claiborne                       | 1675           | ...                               | 21.9    | 51.0         | 43.7  | 51.0 |
| <b>Clay</b>                     | 105.1          | ...                               | ...     | 32.3         | 64.7  | 8.1  |
| <b>Cocke</b>                    | 163.4          | ...                               | 11.3    | 42.9         | 93.4  | 15.8 |
| Coffee                          | 114.2          | ...                               | 15.6    | 57.1         | 415   | ...  |
| Crockett                        | 15.1           | 7.6                               | ...     | 7.6          | ...   | ...  |
| <b>Cumberland</b>               | 320.3          | 23.3                              | 29.1    | 93.2         | 128.1 | 46.6 |
| Davidson                        | 108.1          | 6.4                               | ...     | 19.1         | 57.2  | 25.4 |
| Decatur                         | 134.8          | 5.4                               | 27.0    | 43.1         | 485   | 10.8 |
| <b>De Kalb</b>                  | 114.2          | ...                               | 40.0    | <b>34.2</b>  | 17.1  | 22.8 |
| Dickson                         | 174.3          | 6.0                               | 18.0    | 30.0         | 102.2 | 18.0 |
| Dyer                            | 40.4           | ...                               | ...     | ...          | 40.4  | ...  |
| Fayette                         | 152.0          | 21.7                              | 21.7    | 32.6         | 54.3  | 21.7 |
| <b>Fentress</b>                 | 244.1          | 5.8                               | 29.1    | 93.0         | 98.8  | 17.4 |
| Franklin                        | 183.0          | ...                               | ...     | 28.6         | 85.8  | 68.6 |
| Gibson                          | 36.4           | ...                               | 12.1    | ...          | 24.2  | ...  |
| <b>Giles</b>                    | 171.8          | ...                               | 39.3    | 245          | 785   | 295  |
| Grainger                        | 102.6          | 16.2                              | 32.4    | 10.8         | 27.0  | 16.2 |
| Greene                          | 171.8          | 5.7                               | 15.6    | 44.1         | 35.4  | 71.0 |
| Gnmdy                           | 165.9          | 5.7                               | 11.4    | 515          | 45.8  | 515  |
| Hamblen                         | 32.8           | ...                               | ...     | 16.4         | 16.4  | ...  |
| Hamilton                        | 210.7          | ...                               | 19.7    | 65.8         | 105.3 | 19.7 |
| Hancock                         | 92.9           | ...                               | 5.8     | 34.8         | 40.7  | 11.6 |
| Hardeman                        | 247.1          | 6.2                               | 43.2    | 68.0         | 111.2 | 185  |
| <b>Hardin</b>                   | 219.9          | 4.8                               | 43.0    | 109.9        | 57.4  | 4.8  |
| Hawkins                         | 177.3          | 5.7                               | 5.7     | 515          | 515   | 62.9 |
| <b>Haywood</b>                  | 71.2           | 5.9                               | 23.7    | 35.6         | 5.9   | ...  |
| Henderson                       | 158.4          | 11.3                              | 17.0    | 79.2         | 453   | 5.7  |
| Henry                           | 176.1          | ...                               | 13.0    | 71.7         | 78.3  | 13.0 |
| Hickman                         | 297.2          | 5.6                               | 16.8    | <b>100.9</b> | 162.6 | 11.2 |
| Houston                         | 94.2           | ...                               | 145     | 21.7         | 57.9  | ...  |
| Humphreys                       | 241.2          | 6.0                               | ...     | 48.2         | 108.6 | 78.4 |
| Jackson                         | 135.9          | ...                               | 15.7    | 20.9         | 73.2  | 26.1 |
| Jefferson                       | 62.2           | 11.3                              | ...     | 11.3         | 33.9  | 5.7  |
| Johnson                         | 144.4          | ...                               | 3.4     | 10.1         | 97.3  | 33.6 |
| <b>Knox</b>                     | 127.0          | 23.8                              | 31.7    | 23.8         | 47.6  | ...  |
| Lake                            | 18.0           | ...                               | ...     | 18.0         | ...   | ...  |

**Table S-Area of timberland by county and site class, Tennessee Counties, 1989**  
**Continued**

| county                          | All<br>classes | Site class (cubic feet/acre&year) |             |             |             |             |
|---------------------------------|----------------|-----------------------------------|-------------|-------------|-------------|-------------|
|                                 |                | > 165                             | 120-165     | 85-120      | 50-85       | < 50        |
| <i>-----Thousand acres-----</i> |                |                                   |             |             |             |             |
| Lauderdale                      | 88.8           | 16.2                              | 24.2        | 16.2        | 32.3        |             |
| Lawrence                        | 199.8          | 6.9                               | 13.8        | 34.5        | 96.5        | 48.2        |
| <b>Lewis</b>                    | 158.0          | ...                               |             | 29.3        | 105.3       | 23.4        |
| Lincoln                         | 136.7          | ...                               | .           | 17.8        | 71.3        | <b>47.5</b> |
| <b>Loudon</b>                   | 62.3           | 5.7                               | 28.3        | ...         | 22.7        | 5.7         |
| <b>McMinn</b>                   | 136.5          | 16.8                              | 16.8        | 18.9        | 72.8        | 11.2        |
| <b>McNairy</b>                  | 224.4          | ...                               | 11.5        | 109.3       | 69.0        | 34.5        |
| Macon                           | 77.0           | ...                               | 21.0        | 49.0        | 7.0         | ...         |
| Madison                         | 140.7          | 24.5                              | 18.3        | 30.6        | 48.9        | 18.3        |
| Marion                          | <b>251.7</b>   | 18.0                              | 30.0        | 36.0        | 119.9       | 47.9        |
| Marshall                        | 89.6           | ...                               | 10.0        | 10.0        | 59.7        | 10.0        |
| <b>Maury</b>                    | 133.0          | ...                               | 20.0        | 20.0        | 46.6        | 46.6        |
| Meigs                           | 82.9           | ...                               | ...         | <b>35.5</b> | 41.5        | 5.9         |
| Monroe                          | 279.0          | 44.3                              | 51.8        | 84.7        | 65.0        | 33.2        |
| Montgomery                      | 136.9          | 6.2                               | 12.4        | 56.0        | 49.8        | 12.4        |
| Moore                           | 36.6           | ..                                |             | 10.5        | 20.9        | 5.2         |
| Morgan                          | 276.2          | ..                                | 11.3        | 78.9        | 157.8       | 28.2        |
| Obion                           | 67.6           | 18.4                              | ...         | 49.1        | ...         |             |
| <b>Overton</b>                  | 170.4          | 6.8                               | 13.6        | 68.1        | 61.3        | 20.4        |
| Perry                           | 223.6          | ...                               | 11.5        | 51.6        | 114.7       | 45.9        |
| <b>Pickett</b>                  | 68.4           | 6.8                               | 13.7        | 13.7        | 20.5        | 13.7        |
| Polk                            | 214.1          | 4.3                               | 29.0        | 77.7        | 82.7        | 20.5        |
| Putnam                          | 152.3          | 10.9                              | 27.2        | 38.1        | 70.7        | 5.4         |
| Rhea                            | 126.4          | <b>5.5</b>                        | 11.0        | 38.5        | <b>54.9</b> | 16.5        |
| Roane                           | 153.1          | 21.1                              | 42.2        | 42.2        | 47.5        | ...         |
| Robertson                       | 53.0           | ...                               | ...         | 30.3        | 15.2        | 7.6         |
| Rutherford                      | 155.7          | ...                               | ...         | ...         | 55.6        | 100.1       |
| Scott                           | 300.3          | ...                               | 49.1        | <b>65.5</b> | 152.9       | 32.8        |
| Sequatchie                      | 137.3          | 22.9                              | 22.9        | 28.6        | 57.2        | 5.7         |
| <b>Sevier</b>                   | <b>127.5</b>   | 14.2                              | 9.4         | 18.9        | 47.2        | 37.8        |
| Shelby                          | 111.6          | 39.4                              | 13.1        | 26.3        | 32.8        | .           |
| Smith                           | 81.0           |                                   |             | 20.3        | <b>54.0</b> | 6.8         |
| Stewart                         | 219.7          | ...                               | 12.6        | so.2        | 75.3        | 81.6        |
| Sullivan                        | 123.6          | ...                               | 9.6         | 8.5         | 87.4        | 18.1        |
| Sumner                          | 88.2           | ..                                | 12.6        | <b>25.2</b> | 44.1        | 6.3         |
| <b>Tipton</b>                   | so.9           | ...                               | 14.5        | 29.1        | 7.3         |             |
| <b>Trousdale</b>                | 30.0           | ...                               | ...         | ...         | 24.0        | 6.0         |
| Unicoi                          | 89.4           | 6.3                               | 29.1        | 8.3         | 45.8        | ...         |
| Union                           | 102.5          | ...                               | 16.2        | 48.6        | 32.4        | 5.4         |
| Van Buren                       | <b>135.4</b>   | 16.3                              | 10.8        | 48.8        | 32.5        | 27.1        |
| Warren                          | 93.6           | 5.2                               | 5.2         | 20.8        | 46.8        | 15.6        |
| Washington                      | so.3           | 4.7                               | 9.5         | 18.3        | 13.6        | 4.1         |
| Wayne                           | 372.6          |                                   | <b>25.3</b> | 56.8        | 221.1       | 69.5        |
| Weakley                         | 95.9           | 14.8                              | 22.1        | 36.9        | 22.1        |             |
| White                           | 129.4          | ...                               | ...         | 28.1        | 90.0        | 11.3        |
| Williamson                      | 142.0          | 5.3                               | 26.3        | 36.8        | 57.9        | 15.8        |
| Wilson                          | 97.0           | 5.1                               | ...         | ...         | 66.4        | <b>25.5</b> |
| All counties                    | 13265.2        | 594.8                             | 1468.6      | 3602.4      | 5648.0      | 1951.4      |

**Table 6-Area of timberland by county and stocking classes of growing-stock trees,  
Tennessee Counties, 1989**

| County                            | All<br>classes | Stocking class (percent) |         |        |        |        |
|-----------------------------------|----------------|--------------------------|---------|--------|--------|--------|
|                                   |                | > 130                    | 100-130 | 60-100 | 16.760 | < 16.7 |
| <i>----- Thousand acres -----</i> |                |                          |         |        |        |        |
| Anderson                          | 124.0          | ...                      | 13.1    | 97.9   | 13.1   | ...    |
| Bedford                           | 74.6           | ..                       | 16.0    | 37.3   | 21.3   | ...    |
| <b>Benton</b>                     | 172.7          | ...                      | 38.4    | 89.5   | 44.8   | ...    |
| Bledsoe                           | 186.3          | ...                      | 64.0    | 104.8  | 175    | ...    |
| <b>Blount</b>                     | 69.9           | ...                      | 12.2    | 57.8   | ...    | ...    |
| Bradley                           | 925            | 15.4                     | ...     | 61.7   | 15.4   | ...    |
| Campbell                          | 250.2          | ...                      | 40.7    | 174.6  | 34.9   | ...    |
| Cannon                            | 885            | ...                      | 5.2     | 57.2   | 20.8   | 5.2    |
| Carroll                           | 169.1          | ...                      | 23.3    | 134.1  | 11.7   | ...    |
| Carter                            | 1555           | ...                      | 39.6    | 98.1   | 17.8   | ...    |
| <b>Cheatam</b>                    | 118.2          | ...                      | 11.8    | 70.9   | 3.55   | ..     |
| Chester                           | 99.4           | ...                      | 39.8    | 49.7   | 9.9    | .      |
| Claiborne                         | 1675           | ...                      | 29.1    | 109.3  | 29.1   | ...    |
| Clay                              | 105.1          | .                        | ...     | 80.8   | 24.3   | ...    |
| <b>Cocke</b>                      | 163.4          | ...                      | 48.6    | 1035   | 11.3   | ..     |
| Coffee                            | 114.2          | ...                      | 25.9    | 675    | 20.8   | ..     |
| Crockett                          | 15.1           | ...                      | 7.6     | 7.6    | .      | ...    |
| Cumberland                        | 320.3          | ...                      | 104.8   | 209.7  | 5.8    | ..     |
| Davidson                          | 108.1          | ...                      | ...     | 63.6   | 445    | ...    |
| Decatur                           | 134.8          | 5.4                      | 16.2    | 107.9  | 5.4    | .      |
| De Kalb                           | 114.2          | ...                      | 22.8    | 85.6   | 5.7    | ...    |
| Dickson                           | 174.3          | ...                      | 24.0    | 132.2  | 12.0   | 6.0    |
| Dyer                              | 40.4           | ...                      | ...     | 20.2   | 20.2   | ...    |
| <b>Fayette</b>                    | 152.0          | ...                      | 32.6    | 108.6  | 10.9   | ...    |
| <b>Fentress</b>                   | 244.1          | 5.8                      | 69.7    | 1685   | ...    | ...    |
| Franklin                          | 183.0          | ...                      | ...     | 125.8  | 57.2   | ...    |
| Gibson                            | 36.4           | ...                      | ...     | 24.2   | 12.1   | ...    |
| <b>Giles</b>                      | 171.8          | ...                      | 14.7    | 93.3   | 63.8   | ...    |
| Grainger                          | 102.6          | ...                      | 21.6    | 81.0   | ...    | ...    |
| Greene                            | 171.8          | ...                      | 39.7    | 995    | 32.7   | ...    |
| <b>Grundy</b>                     | 165.9          | ...                      | 34.3    | 915    | 34.3   | 5.7    |
| Hamblen                           | 32.8           | ...                      | 8.2     | 24.6   | ...    | ...    |
| Hamilton                          | 210.7          | ...                      | 26.3    | 125.1  | 52.7   | 6.6    |
| Hancock                           | 92.9           | 5.8                      | 11.6    | 29.0   | 465    | ...    |
| <b>Hardeman</b>                   | 247.1          | ...                      | 49.4    | 142.1  | 55.6   | ...    |
| <b>Hardin</b>                     | 219.9          | 4.8                      | 23.9    | 157.7  | 335    | ..     |
| Hawkins                           | 177.3          | ...                      | 5.7     | 131.6  | 40.0   | ...    |
| <b>Haywood</b>                    | 71.2           | .                        | 17.8    | 475    | 5.9    | ...    |
| Henderson                         | 158.4          | ...                      | 34.0    | 113.2  | 11.3   | ...    |
| Henry                             | 176.1          | ...                      | 45.6    | 97.8   | 32.6   | ...    |
| Hickman                           | 297.2          | ...                      | 39.3    | 229.9  | 28.0   | ...    |
| Houston                           | 94.2           | ...                      | 145     | 65.2   | 145    | ...    |
| <b>Humphreys</b>                  | 241.2          | 6.0                      | 24.1    | 168.9  | 42.2   | ...    |

**Table 6--Area of timberland by county and stocking classes of growing-stock trees,  
Tennessee Counties, 1989 - Continued**

| County                   | All<br>classes | Stocking class (percent) |         |        |         |        |
|--------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                          |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
| -----Thousand acres----- |                |                          |         |        |         |        |
| Jackson                  | 135.9          | ...                      | 15.7    | 67.9   | 47.0    | 5.2    |
| Jefferson                | 62.2           | ...                      | 39.6    | 22.6   | ...     | ...    |
| Johnson                  | 144.4          | ...                      | 26.9    | 107.4  | 10.1    | ...    |
| Knox                     | 127.0          | ...                      | 23.8    | 87.3   | 15.9    | ...    |
| Lake                     | 18.0           | ...                      | 18.0    | ...    | ...     | ...    |
| Lauderdale               | 88.8           | ...                      | 8.1     | 32.3   | 40.4    | 8.1    |
| Lawrence                 | 199.8          | 6.9                      | 27.6    | 137.8  | 27.6    | ...    |
| Lewis                    | 158.0          | ...                      | 35.1    | 117.0  | 5.9     | ...    |
| Lincoln                  | 136.7          | ...                      | 23.8    | 77.2   | 35.7    | ...    |
| Loudon                   | 62.3           | ...                      | 17.0    | 34.0   | 11.3    | ...    |
| McMinn                   | 136.5          | 5.6                      | 44.8    | 74.9   | 11.2    | ...    |
| McNairy                  | 224.4          | 5.8                      | 51.8    | 138.1  | 28.8    | ...    |
| Macon                    | 77.0           | ...                      | 7.0     | 63.0   | 7.0     | ..     |
| Madison                  | 140.7          | ...                      | 30.6    | 97.9   | 12.2    | .      |
| Marion                   | 251.7          | ...                      | 6.0     | 191.8  | 53.9    | ...    |
| Marshall                 | 89.6           | ...                      | ...     | 49.8   | 39.8    | ...    |
| Maury                    | 133.0          | ...                      | ...     | 106.4  | 26.6    | ..     |
| Meigs                    | 82.9           | 5.9                      | 29.6    | 47.4   | ...     | ...    |
| Monroe                   | 279.0          | 7.1                      | 95.4    | 165.4  | 11.1    | ...    |
| Montgomery               | 136.9          | ...                      | 12.4    | 74.7   | 49.8    | .      |
| Moore                    | 36.6           | ...                      | 5.2     | 20.9   | 105     | ...    |
| Morgan                   | 276.2          | ...                      | 62.0    | 197.3  | 16.9    | ...    |
| Obion                    | 67.6           | 6.1                      | 6.1     | 43.0   | 12.3    | ...    |
| Overton                  | 170.4          | ...                      | 34.1    | 122.7  | 13.6    | ...    |
| Perry                    | 223.6          | ...                      | 22.9    | 137.6  | 63.1    | ...    |
| Pickett                  | 68.4           | ...                      | 13.7    | 54.7   | ...     | ...    |
| Polk                     | 214.1          | 8.5                      | 91.3    | 96.4   | 17.9    | ...    |
| Putnam                   | 152.3          | ...                      | 38.1    | 76.2   | 38.1    | ...    |
| Rhea                     | 126.4          | 5.5                      | 385     | 60.4   | 22.0    | ...    |
| Roane                    | 153.1          | ...                      | 26.4    | 121.4  | 5.3     | ...    |
| Robertson                | 53.0           | ...                      | ...     | 37.9   | 15.2    | ...    |
| Rutherford               | 155.7          | ...                      | 11.1    | 66.7   | 55.6    | 22.2   |
| Scott                    | 300.3          | 10.9                     | 103.7   | 163.8  | 21.8    | ...    |
| Sequatchie               | 137.3          | 11.4                     | 22.9    | 103.0  | ...     | ...    |
| Sevier                   | 1275           | ...                      | 37.8    | 80.2   | 9.4     | ...    |
| Shelby                   | 111.6          | ...                      | 26.3    | 72.2   | 13.1    | ...    |
| Smith                    | 81.0           | ...                      | 135     | 47.3   | 20.3    | ...    |
| Stewart                  | 219.7          | ...                      | 12.6    | 163.2  | 37.7    | 6.3    |
| Sullivan                 | 123.6          | ...                      | 36.7    | 67.7   | 19.2    | ...    |
| Sumner                   | 88.2           | ...                      | ...     | 44.1   | 44.1    | ...    |
| Tipton                   | 50.9           | ...                      | 7.3     | 36.3   | 7.3     | ...    |
| Trousdale                | 30.0           | ...                      | ...     | 18.0   | 12.0    | .      |
| Unicoi                   | 89.4           | ...                      | 25.0    | 54.1   | 10.4    | ...    |
| Union                    | 102.5          | 5.4                      | 21.6    | 70.1   | 5.4     | ...    |
| Van Buren                | 135.4          | ...                      | 37.9    | 97.5   | ...     | .      |
| Warren                   | 93.6           | ...                      | 5.2     | 67.6   | 20.8    | ...    |
| Washington               | so.3           | ...                      | 21.8    | 23.7   | 4.7     | ...    |
| Wayne                    | 372.6          | ...                      | 63.2    | 259.0  | 505     | ...    |
| Weakley                  | 95.9           | ...                      | 22.1    | 51.6   | 22.1    | ...    |
| White                    | 129.4          | 11.3                     | 33.8    | 84.4   | ...     | ...    |
| Williamson               | 142.0          | ...                      | 21.0    | 73.6   | 47.3    | ...    |
| Wilson                   | 97.0           | ...                      | ...     | 66.4   | 30.6    | ...    |
| All counties             | 13265.2        | 133.7                    | 2470.9  | 8518.4 | 2076.9  | 65.3   |

**Table 7-Area of timberland by forest type and ownership class, Tennessee Counties, 1989**

| Forest type <sup>1</sup>          | All<br>ownerships | National<br>forest | Other<br>public | Forest<br>industry | Forest<br>industry-<br>leased | Other<br>private |
|-----------------------------------|-------------------|--------------------|-----------------|--------------------|-------------------------------|------------------|
| <i>----- Thousand acres -----</i> |                   |                    |                 |                    |                               |                  |
| White-red-jack pine               | 64.0              | 33.6               | 11.2            | 4.9                | ...                           | 14.2             |
| <b>Loblolly-shortleaf</b> pine    | 1333.8            | 64.8               | 63.4            | 257.4              | 4.8                           | 943.3            |
| Softwood total                    | 1397.8            | 98.4               | 74.6            | 262.4              | 4.8                           | <b>957.5</b>     |
| Oak-pine                          | 1591.5            | 116.7              | 132.2           | 112.7              | 5.7                           | 1224.2           |
| Oak-hickory                       | 9476.5            | 316.6              | 610.2           | 670.7              | 6.0                           | 7873.1           |
| <b>Oak-gum-cypress</b>            | 639.3             | ...                | 110.2           | 61.9               | 5.9                           | 461.2            |
| Elm-ash-cottonwood                | 43.0              | ...                | 14.6            | 8.1                | ...                           | 20.3             |
| Maple-beech-birch                 | 111.4             | 24.2               | 11.1            | ...                | ...                           | 76.2             |
| Hardwood total                    | 11861.8           | 457.5              | 878.3           | 853.4              | 17.6                          | <b>9654.9</b>    |
| <b>Nontyped<sup>2</sup></b>       | 5.7               | ...                | ...             | 5.7                | ...                           | ...              |
| <b>All types</b>                  | 13265.2           | 556.0              | 952.9           | 1121.5             | 22.4                          | 10612.5          |

<sup>1</sup>Forest type is based on species plurality of all live trees. Mixed types that in combination contain a **majority** of hardwood stocking are hardwood **types**.

<sup>2</sup>**Timberland** with no current stocking.

**Table 8-Area of timberland by ownership and stocking classes of growing-stock trees, Tennessee Counties, 1989**

| Ownership<br>class                | All<br>classes | Stocking class (percent) |         |        |         |        |
|-----------------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                                   |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
| ----- <i>Thousand acres</i> ----- |                |                          |         |        |         |        |
| National forest                   | 556.0          | 15.7                     | 1985    | 315.2  | 26.6    | ...    |
| Other public                      | 952.9          | ...                      | 217.6   | 561.9  | 161.6   | 11.8   |
| Forest industry                   | 11215          | 45.4                     | 288.9   | 674.4  | 107.2   | 5.7    |
| Forest <b>industry-leased</b>     | 22.4           | ...                      | ...     | 16.7   | 5.7     | ...    |
| Other <b>private</b>              | 10612.5        | 72.7                     | 1765.9  | 6950.3 | 1775.8  | 47.8   |
| All ownerships                    | 13265.2        | 133.7                    | 2470.9  | 8518.4 | 2076.9  | 65.3   |

**Table 9—Area of timberland by forest type and stand-size class, Tennessee Counties, 1989**

| Forest type¹                      | All<br>classes | Stand-size class |            |                      | Nonstocked² |
|-----------------------------------|----------------|------------------|------------|----------------------|-------------|
|                                   |                | Sawtimber        | Poletimber | Sapling-<br>seedling |             |
| ----- <i>Thousand acres</i> ----- |                |                  |            |                      |             |
| White-red-jack pine               | 64.0           | 56.7             | 7.3        | ...                  | ...         |
| <b>Loblolly-shortleaf</b> pine    | 1333.8         | 539.0            | 464.1      | 330.7                | ..          |
| Softwood total                    | 1397.8         | 595.7            | 471.4      | 330.7                | ...         |
| Oak-pine                          | 1591.5         | 612.6            | 565.0      | 414.0                | ..          |
| Oak-hickory                       | 9476.5         | 4765.1           | 3178.7     | 1532.7               | ..          |
| Oak-gum-cypress                   | 639.3          | 462.8            | 135.4      | 41.1                 | ...         |
| Elm-ash-cottonwood                | 43.0           | 30.8             | 7.3        | 5.0                  | ...         |
| Maple-beech-birch                 | 111.4          | 54.2             | 39.8       | 17.4                 | ...         |
| Hardwood total                    | 11861.8        | 5925.4           | 3926.2     | 2010.1               | ...         |
| <b>Nontyped³</b>                  | 5.7            | ...              | ...        | ...                  | 5.7         |
| <b>All types</b>                  | 13265.2        | 6521.2           | 4397.5     | 2340.8               | 5.7         |

<sup>1</sup>Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood **types**.

<sup>2</sup>**Timberland** less than 16.7 percent stocked.

<sup>3</sup>**Timberland** with no current stocking.

**Table 10—Number of live trees on timberland by species and diameter class, Tennessee Counties, 1989**

| Species                           | Diameter class (inches at breast height) |             |               |              |              |              |               |               |               |               |               |               |                  |
|-----------------------------------|------------------------------------------|-------------|---------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                   | All<br>classes                           | LO-<br>2.9  | 3.0-<br>4.9   | 5.0-<br>6.9  | 7.0-<br>8.9  | 9.0-<br>10.9 | 11.0-<br>12.9 | 13.0-<br>14.9 | 15.0-<br>16.9 | 17.0-<br>18.9 | 19.0-<br>20.9 | 21.0-<br>28.9 | 29.0 &<br>larger |
| <i>----- Thousand trees -----</i> |                                          |             |               |              |              |              |               |               |               |               |               |               |                  |
| Shortleaf-loblolly pine           | 263268                                   | 65586       | 6.5919        | 53246        | 38211        | 21336        | 11752         | so74          | 1484          | 434           | 159           | 66            | .                |
| Other yellow pines                | 273239                                   | 98659       | <b>53090</b>  | <b>44485</b> | 35949        | 19662        | 12604         | 6053          | 2045          | 508           | 137           | 46            | ...              |
| Eastern white-red pine            | 77301                                    | 48898       | <b>13458</b>  | 3893         | 3443         | 2194         | 1778          | 1030          | 908           | 634           | 481           | 521           | 63               |
| Eastern hemlock                   | 62223                                    | 37865       | 12.531        | 5007         | 2189         | 1434         | 1239          | 771           | 369           | 384           | 188           | 232           | 13               |
| Cypress                           | 1975                                     | .           | 563           |              | <b>245</b>   | 136          | 31            | 143           | 176           | 114           | 117           | 293           | 158              |
| Other softwoods                   | 431268                                   | 2.53757     | 105344        | 44368        | 16608        | 6871         | 2927          | 963           | 231           | 168           | 9             | 21            | ...              |
| Total softwoods                   | 1109272                                  | 504764      | <b>250905</b> | 151000       | 96646        | 51633        | 30331         | 14034         | 5212          | 2243          | 1092          | 1179          | 233              |
| Select white oaks                 | <b>505443</b>                            | 19907s      | 1223%         | 59261        | 40019        | 30902        | 20583         | 1519s         | 8320          | 4682          | 2404          | <b>2430</b>   | 177              |
| Select red oaks                   | 82545                                    | 21209       | 12272         | 9820         | 10655        | 8180         | 5962          | 562.5         | 3128          | 2138          | 1509          | 1809          | 240              |
| Other white oaks                  | 311873                                   | 96909       | 56224         | 47592        | 37432        | 26624        | 17667         | 12.525        | 7419          | 402.5         | 2410          | 2719          | 327              |
| Other red oaks                    | 318112                                   | 104124      | 51028         | 41180        | 345.57       | 29151        | 20799         | 1.5867        | <b>9172</b>   | 5838          | 3172          | 2942          | 282              |
| Hickory                           | 592126                                   | 303884      | 120481        | <b>56164</b> | <b>44268</b> | <b>30835</b> | 17686         | 10090         | 4572          | 2205          | 1060          | 821           | 59               |
| Yellow birch                      | 3773                                     | <b>2300</b> | 95s           | 406          |              | 35           |               | <b>54</b>     | ...           |               |               | 22            | 2                |
| Hard maple                        | <b>340466</b>                            | 222873      | 60964         | 24093        | 12131        | 7976         | 5140          | 3533          | 1.569         | 1034          | 514           | 517           | 122              |
| Soft maple                        | 751000                                   | 513788      | 129970        | 48663        | 26617        | 14302        | 7994          | 4144          | 2455          | 1412          | 751           | 806           | 98               |
| Beech                             | 100895                                   | 59293       | 15850         | 6869         | 5376         | 3770         | 2431          | 2215          | 1211          | 1285          | 696           | 1534          | 366              |
| <b>Sweetgum</b>                   | 201440                                   | 110707      | 35370         | 20020        | 13040        | 9157         | 5960          | 3380          | 2349          | 603           | 43.5          | 374           | 46               |
| Tupelo-blackgum                   | 5002.57                                  | 393171      | 62330         | 20851        | 10146        | 5608         | 3298          | 2274          | 1302          | 609           | 393           | 263           | 9                |
| Ash                               | 240970                                   | 139015      | 47129         | 22894        | 12475        | 8223         | 4948          | 2610          | 1752          | 959           | 577           | 361           | 28               |
| Cottonwood-aspen                  | 1314                                     | ...         | 602           | 274          | ..           | 48           | 62            | 21            | 78            | 55            | 22            | 69            | 82               |
| Basswood                          | 15348                                    | 11047       |               | 1009         | 810          | 886          | 503           | 362           | 320           | 228           | 102           | 78            | 4                |
| Yellow-poplar                     | 272756                                   | 132741      | 44099         | 24309        | 19616        | 14977        | 11983         | <b>9679</b>   | <b>6448</b>   | 4174          | 2448          | 2135          | 146              |
| Black walnut                      | 20065                                    | 4735        | 2892          | 3973         | 2841         | <b>2255</b>  | 1632          | 922           | <b>459</b>    | 176           | 112           | 64            | 4                |
| Other hardwoods                   | 1748.545                                 | 1238028     | 314287        | 97939        | <b>46828</b> | 24641        | 11973         | 6949          | <b>3224</b>   | 2087          | 1227          | 1141          | 223              |
| Total hardwoods                   | 6006928                                  | 3552898     | 1076848       | 485317       | 316812       | 217570       | 138622        | 9.5444        | 53779         | 31508         | 17832         | 18084         | 2215             |
| Noncommercial                     | 944143                                   | 656916      | 204131        | 57841        | 17570        | 4601         | <b>1851</b>   | 780           | 264           | 79            | 71            | 39            | ..               |
| All species                       | 8060343                                  | 4714579     | 1531884       | 694158       | 431027       | 273805       | 170804        | 110258        | 592.56        | 33829         | 18995         | 19301         | 2448             |

**Table 11-Number of growing-stock trees on timberland by species and diameter class, Tennessee Counties, 1989**

| Species                           | All<br>classes | Diameter class (inches at breast height) |             |              |             |              |               |               |               |               |               |               |                  |
|-----------------------------------|----------------|------------------------------------------|-------------|--------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                   |                | LO-<br>2.9                               | 3.0-<br>4.9 | 5.0-<br>6.9  | 7.0-<br>8.9 | 9.0-<br>10.9 | 11.0-<br>12.9 | 13.0-<br>14.9 | 15.0-<br>16.9 | 17.0-<br>18.9 | 19.0-<br>20.9 | 21.0-<br>28.9 | 29.0 &<br>larger |
| ----- <i>Thousand trees</i> ----- |                |                                          |             |              |             |              |               |               |               |               |               |               |                  |
| Shortleaf-loblolly pine           | 235960         | 48368                                    | 58428       | 51933        | 37307       | 21056        | 11676         | so74          | 1469          | 434           | 148           | 66            | ...              |
| Other yellow pines                | 232120         | 73764                                    | 41725       | 41686        | 34960       | 19160        | 12351         | 5879          | 1979          | 443           | 137           | 36            | ...              |
| Eastern white-red pine            | 72908          | 45376                                    | 12941       | 3730         | 3443        | 2127         | 1691          | 1030          | <b>890</b>    | 623           | 481           | 511           | 63               |
| Eastern hemlock                   | 53991          | 31560                                    | 10936       | 4779         | 2189        | 1388         | 1212          | 771           | <b>352</b>    | 376           | 188           | 227           | 13               |
| Cypress                           | 1810           | ...                                      | 563         | ...          | 170         | 136          | 31            | 118           | 139           | 97            | 117           | 293           | 146              |
| Other softwoods                   | 346839         | 202435                                   | 86513       | 36301        | 13854       | 4689         | 2131          | 642           | 139           | 119           | 9             | 8             | ...              |
| Total softwoods                   | 943628         | 401503                                   | 211106      | 138429       | 91924       | 48557        | 29093         | 13.513        | 4968          | 2093          | 1081          | 1141          | 221              |
| Select white oaks                 | 385488         | 117791                                   | 97230       | 53082        | 38135       | 29727        | <b>19031</b>  | 14366         | 7702          | 4226          | 2134          | 1980          | 84               |
| Select red oaks                   | 70158          | 12958                                    | 10568       | 9072         | 10283       | 7745         | 5784          | 5369          | 2999          | 2064          | 1437          | 1685          | 195              |
| Other white oaks                  | 232218         | 48647                                    | 40642       | 43227        | 34916       | 24682        | 15621         | 10741         | 6461          | 3408          | 1870          | 1838          | 163              |
| Other red oaks                    | 256130         | 65109                                    | 40086       | 38040        | 32941       | 27481        | 18649         | 14823         | 8281          | 5247          | 2760          | 2.516         | 196              |
| Hickory                           | 410332         | 157578                                   | 98311       | 49944        | 41908       | 29355        | 16017         | 9221          | 4315          | 1930          | 995           | 709           | 48               |
| Yellow birch                      | 2415           | 1099                                     | 955         | 319          | ...         | ..           | ...           | 28            | ...           | ...           | ...           | 12            | 2                |
| Hard maple                        | 197076         | 108421                                   | 43190       | 18048        | 10461       | 7077         | 4219          | 2712          | 1340          | 789           | 457           | 323           | 39               |
| Soft maple                        | 408052         | 241807                                   | 8 7 2 6 3   | <b>36541</b> | 19833       | 10323        | 5597          | 3104          | 1544          | <b>957</b>    | 500           | <b>531</b>    | 52               |
| Beech                             | 48014          | 21807                                    | 6828        | 4954         | 4501        | 3059         | 1832          | 1664          | 1004          | 913           | 473           | 837           | 143              |
| <b>Sweetgum</b>                   | 126742         | 54660                                    | 21469       | 17307        | 12173       | <b>8593</b>  | 5717          | 328.5         | 2221          | 538           | 413           | 320           | 46               |
| Tupelo-blackgum                   | 203089         | 126100                                   | 40775       | 16539        | 8452        | 4580         | 2827          | 1870          | 1018          | 509           | 220           | <b>195</b>    | 4                |
| Ash                               | 126819         | 57022                                    | 26818       | 16764        | 9741        | 7126         | 4022          | 2176          | 1547          | 825           | 492           | 264           | 21               |
| Cottonwood-aspen                  | 1301           | ...                                      | 602         | 274          | ...         | 48           | 62            | 21            | 78            | 42            | 22            | 69            | 82               |
| Basswood                          | 5064           | <b>1545</b>                              | ...         | 658          | 758         | 668          | 503           | 362           | 286           | 138           | 82            | 64            | ...              |
| Yellow-poplar                     | 235511         | 103557                                   | 39908       | 22.553       | 18864       | 14640        | <b>11685</b>  | 9392          | 6299          | 4063          | 2406          | 2047          | 97               |
| Black walnut                      | 10767          | <b>545</b>                               | 1124        | 2664         | 1869        | 1946         | 1331          | 689           | 376           | 112           | 82            | 26            | 4                |
| Other hardwoods                   | <b>730566</b>  | 454183                                   | 140123      | 62843        | 35732       | 18.532       | 8371          | 5213          | <b>2265</b>   | 1418          | 916           | 8.58          | 110              |
| Total hardwoods                   | 3449743        | 1572828                                  | 695892      | 392830       | 280567      | 195583       | 121269        | 85036         | 47738         | 27179         | <b>15259</b>  | 14274         | 1287             |
| All species                       | 4393371        | 1974332                                  | 906998      | 5312.59      | 372490      | 244141       | 150362        | 98550         | 52706         | 29271         | 16339         | <b>15415</b>  | 1508             |

**Table 12-Volume of growing stock on timberland by species and diameter class, Tennessee Counties, 1989**

| Species                        | Diameter class (inches at breast height) |            |             |              |               |               |               |               |               |               |                  |
|--------------------------------|------------------------------------------|------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                | All<br>classes                           | SO-<br>6.9 | 7.0-<br>8.9 | 9.0-<br>10.9 | 11.0-<br>12.9 | 13.0-<br>14.9 | 15.0-<br>16.9 | 17.0-<br>18.9 | 19.0-<br>20.9 | 21.0-<br>28.9 | 29.0 &<br>larger |
| ----- Million cubic feet ----- |                                          |            |             |              |               |               |               |               |               |               |                  |
| Shortleaf-loblolly pine        | 1064.8                                   | 120.4      | 232.0       | 261.7        | 223.8         | 137.8         | 53.5          | 21.5          | 8.5           | 5.6           | ...              |
| Other yellow pines             | 1115.6                                   | 132.8      | 250.9       | 244.7        | 234.7         | 154.5         | 68.4          | 19.0          | 8.0           | 2.7           | ...              |
| Eastern white-red pine         | 254.3                                    | 8.0        | 19.3        | 23.2         | 28.1          | 25.0          | 31.4          | 30.1          | 28.8          | 49.5          | 11.0             |
| Eastern hemlock                | 141.8                                    | 10.8       | 12.0        | 15.2         | 21.7          | 19.7          | 12.3          | 16.7          | 11.4          | 20.0          | 2.0              |
| Cypress                        | 81.4                                     | ...        | 1.2         | 2.1          | 0.4           | 2.7           | 4.7           | 4.8           | 6.7           | 31.3          | 27.6             |
| Other softwoods                | 237.4                                    | 81.9       | 66.8        | 42.2         | 27.5          | 11.7          | 3.8           | 3.0           | 0.2           | 0.2           | ..               |
| Total softwoods                | 2895.3                                   | 353.9      | 582.2       | 589.1        | 536.2         | 351.4         | 174.1         | 95.2          | 63.5          | 109.2         | 40.6             |
| Select white oaks              | 2097.8                                   | 139.2      | 231.9       | 332.9        | 341.8         | 356.7         | 261.4         | 180.7         | 110.8         | 133.1         | 9.4              |
| Select red oaks                | 837.1                                    | 23.6       | 65.1        | 85.8         | 104.2         | 135.0         | 100.8         | 88.2          | 76.7          | 130.0         | 27.9             |
| Other white oaks               | 1572.5                                   | 108.1      | 192.9       | 250.1        | 252.8         | 231.5         | 188.8         | 127.9         | 88.2          | 114.5         | 17.7             |
| Other red oaks                 | 2049.7                                   | 101.5      | 193.7       | 288.9        | 305.0         | 346.8         | 252.5         | 217.5         | 142.3         | 174.9         | 26.6             |
| Hickory                        | 1608.5                                   | 120.7      | 241.6       | 324.2        | 301.4         | 243.2         | 157.7         | 91.8          | 58.0          | 61.2          | 8.6              |
| Yellow birch                   | 2.6                                      | 0.6        | ...         | ...          | ...           | 0.7           | ...           | ...           | ...           | 1.2           | 0.2              |
| Hard maple                     | 472.6                                    | 47.7       | 64.9        | 79.9         | 73.6          | 70.3          | 46.6          | 35.5          | 24.5          | 25.7          | 3.7              |
| Soft maple                     | 644.5                                    | 102.2      | 120.2       | 115.4        | 92.2          | 70.1          | 46.6          | 36.7          | 23.8          | 34.1          | 3.2              |
| Beech                          | 314.8                                    | 13.0       | 25.3        | 33.9         | 32.0          | 39.8          | 32.2          | 35.9          | 23.5          | 64.8          | 14.6             |
| Sweetgum                       | 584.9                                    | 38.7       | 71.7        | 100.4        | 113.4         | 91.2          | 83.7          | 28.1          | 23.7          | 27.5          | 6.5              |
| Tupelo-blackgum                | 274.6                                    | 36.0       | 44.0        | 42.8         | 42.8          | 39.5          | 28.2          | 18.9          | 10.6          | 11.6          | 0.3              |
| Ash                            | 431.3                                    | 39.8       | 57.5        | 75.5         | 69.7          | 55.4          | so.9          | 36.2          | 24.8          | 18.5          | 2.9              |
| Cottonwood-aspen               | 32.6                                     | 0.4        | ..          | 0.4          | 1.2           | 0.7           | 3.4           | 2.2           | 1.5           | 7.0           | 15.8             |
| Basswood                       | 66.5                                     | 2.3        | 5.7         | 8.6          | 11.2          | 10.4          | 10.6          | 7.2           | 5.0           | 5.5           | ...              |
| Yellow-poplar                  | 1668.1                                   | 63.1       | 127.3       | 176.6        | 235.2         | 268.9         | 242.5         | 206.8         | 152.2         | 181.8         | 13.8             |
| Black walnut                   | 91.7                                     | 6.2        | 11.4        | 19.3         | 18.2          | 14.9          | 11.3          | 4.2           | 3.8           | 1.8           | 0.5              |
| Other hardwoods                | 1037.6                                   | 150.3      | 195.5       | 188.0        | 135.7         | 119.0         | 71.3          | 54.4          | 49.3          | 61.0          | 13.0             |
| Total hardwoods                | 13787.4                                  | 993.3      | 1648.7      | 2122.8       | 2130.4        | 2094.1        | 1588.3        | 1172.2        | 818.6         | 1054.1        | 164.8            |
| All species                    | 16682.7                                  | 1347.2     | 2231.0      | 2711.9       | 2666.6        | 2445.4        | 1762.4        | 1267.4        | 882.1         | 1163.3        | 205.4            |

**Table 13-Volume of growing stock in the saw-logportion of sawtimber<sup>1</sup> trees on timberland by species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |              |              |           |           |           |              |           |               |
|---------------------------------------|------------------------------------------|--------------|--------------|-----------|-----------|-----------|--------------|-----------|---------------|
|                                       | All classes                              | 9.0-10.9     | 11.0-12.9    | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9    | 21.0-28.9 | 29.0 & larger |
| <i>----- Million cubic feet -----</i> |                                          |              |              |           |           |           |              |           |               |
| Shortleaf-loblolly pine               | 606.7                                    | 209.0        | <b>196.2</b> | 122.9     | 47.4      | 18.8      | 7.6          | 4.9       | ...           |
| Other yellow pines                    | 618.4                                    | <b>196.2</b> | 200.8        | 136.4     | 59.5      | 16.5      | 6.7          | 2.2       | .             |
| Eastern white-red pine                | 202.1                                    | 18.3         | 24.5         | 22.0      | 29.2      | 27.4      | 26.1         | 44.3      | 10.2          |
| Eastern hemlock                       | 105.5                                    | 11.9         | 18.6         | 17.4      | 11.1      | 15.7      | 10.4         | 18.3      | 2.0           |
| Cypress                               | 74.5                                     | 1.7          | 0.3          | 2.1       | 3.9       | 4.2       | 6.3          | 29.5      | 26.5          |
| Other softwoods                       | 73.9                                     | 33.4         | 23.5         | 10.4      | 3.6       | 2.7       | 0.2          | 0.2       | ...           |
| Total softwoods                       | 1681.0                                   | 470.5        | 464.0        | 311.2     | 154.7     | 85.3      | 57.3         | 99.4      | 38.6          |
| Select white oaks                     | 1125.6                                   | ...          | 251.7        | 289.7     | 217.9     | 153.0     | 94.4         | 111.1     | 7.9           |
| Select red oaks                       | 546.2                                    | ...          | 77.5         | 110.0     | 84.3      | 74.8      | 64.9         | 110.7     | 24.0          |
| Other white oaks                      | 822.3                                    | ...          | 189.3        | 188.2     | 157.0     | 106.4     | 72.3         | 95.3      | 13.8          |
| Other red oaks                        | 1208.0                                   | ...          | 227.1        | 286.7     | 215.3     | 185.9     | 121.2        | 148.9     | 22.8          |
| Hickory                               | 746.2                                    | ...          | 225.8        | 200.7     | 133.1     | 76.8      | 51.0         | 51.3      | 7.5           |
| Yellow birch                          | 1.6                                      | .            | ...          | 0.4       | ...       | ...       | ...          | 1.0       | 0.2           |
| Hard maple                            | 218.9                                    | ...          | 53.2         | 55.3      | 37.3      | 28.6      | 20.3         | 21.3      | 2.9           |
| Soft maple                            | 242.7                                    | ...          | 65.9         | 54.2      | 38.7      | 31.1      | 21.1         | 28.8      | 2.9           |
| Beech                                 | 196.2                                    | ...          | 22.9         | 31.9      | 26.8      | 28.9      | 19.1         | 53.9      | 12.6          |
| <b>Sweetgum</b>                       | 305.9                                    | ...          | 80.1         | 75.7      | 72.6      | 25.2      | 21.2         | 25.4      | 5.6           |
| Tupelo-blackgum                       | 126.4                                    | ...          | 31.8         | 32.7      | 24.8      | 16.6      | 9.6          | 10.5      | 0.3           |
| Ash                                   | 210.4                                    | ...          | 50.5         | 45.6      | 42.2      | 31.7      | 21.4         | 16.3      | 2.8           |
| Cottonwood-aspen                      | 28.9                                     | ...          | 1.0          | 0.6       | 3.0       | 2.0       | 1.3          | 6.5       | 14.5          |
| Basswood                              | 41.1                                     | ...          | 8.6          | 8.3       | 8.9       | 6.2       | 4.3          | 4.7       | .             |
| Yellow-poplar                         | 1098.4                                   | ...          | 170.0        | 222.4     | 212.6     | 183.3     | <b>135.7</b> | 162.3     | 12.1          |
| Black walnut                          | 41.3                                     | ...          | 13.0         | 11.5      | 8.8       | 3.3       | 3.1          | 1.1       | 0.5           |
| Other hardwoods                       | 400.0                                    | ...          | <b>96.0</b>  | 92.5      | 58.6      | 44.8      | 42.5         | 53.9      | 11.8          |
| Total hardwoods                       | 7359.8                                   | ...          | 1564.3       | 1706.5    | 1341.9    | 998.5     | 703.4        | 903.2     | 142.0         |
| All species                           | 9040.8                                   | 470.5        | 2028.3       | 2017.7    | 1496.6    | 1083.9    | 760.7        | 1002.6    | 180.6         |

<sup>1</sup>That part of the bole of sawtimber trees between a 1-foot stump and saw-log top.

**Table 14—Volume of sawtimber on timberland by species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |               |               |               |               |               |               |               |                  |
|---------------------------------------|------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                       | All<br>classes                           | 9.0-<br>10.9  | 11.0-<br>12.9 | 13.0-<br>14.9 | 15.0-<br>16.9 | 17.0-<br>18.9 | 19.0-<br>20.9 | 21.0-<br>28.9 | 29.0 &<br>larger |
| <i>----- Million board feet -----</i> |                                          |               |               |               |               |               |               |               |                  |
| Shortleaf-loblolly pine               | 3509.8                                   | 1132.2        | 1139.1        | 739.8         | 295.8         | 122.0         | 48.2          | 32.8          |                  |
| Other yellow pines                    | 3545.3                                   | 1058.2        | 1145.6        | 812.7         | 366.3         | 102.5         | 45.4          | 14.6          | ..               |
| Eastern white-red pine                | 1187.2                                   | 94.3          | 133.0         | 124.2         | 166.2         | 166.2         | 158.4         | 280.1         | 64.9             |
| Eastern hemlock                       | 589.8                                    | 60.8          | 100.5         | 97.8          | 64.0          | 88.0          | 60.0          | 107.4         | 11.3             |
| Cypress                               | 414.0                                    | 9.3           | 1.1           | 11.1          | 23.1          | 22.6          | 34.7          | 170.7         | 141.5            |
| Other softwoods                       | 369.2                                    | 165.1         | 117.2         | 53.7          | 18.9          | 13.1          | 0.7           | 0.5           | ..               |
| Total softwoods                       | 9615.4                                   | <b>2519.9</b> | 2636.6        | 1839.1        | 934.3         | 514.4         | 347.3         | 606.1         | 217.7            |
| Select white oaks                     | 6667.0                                   | ...           | <b>1385.7</b> | 1666.3        | 1319.8        | 945.1         | <b>600.0</b>  | 705.8         | 44.3             |
| Select red oaks                       | 3297.1                                   |               | 433.7         | 642.0         | 502.7         | 461.6         | 406.1         | 693.6         | 157.3            |
| Other white oaks                      | 4897.2                                   | ...           | 1051.8        | 1083.4        | 942.5         | 659.9         | 457.9         | 608.7         | 92.9             |
| Other red oaks                        | 7147.1                                   |               | 1229.8        | 1645.5        | 1275.2        | 1142.5        | 757.0         | 948.3         | 148.7            |
| Hickory                               | 4545.2                                   | ...           | 1294.7        | 1201.2        | 833.5         | 493.3         | 330.9         | 339.5         | 52.2             |
| Yellow birch                          | 10.8                                     |               | ...           | 2.2           |               | ...           | ...           | 7.3           | 1.3              |
| Hard maple                            | 1360.5                                   | ..            | 306.1         | 339.1         | 232.2         | 186.4         | 133.3         | 145.1         | 18.2             |
| Soft maple                            | 1402.0                                   |               | <b>362.4</b>  | 311.8         | 230.5         | 183.9         | 129.3         | 171.4         | 12.7             |
| Beech                                 | 1198.9                                   | ...           | 125.7         | 184.2         | 161.4         | 181.1         | 122.3         | 345.7         | 78.6             |
| Sweetgum                              | 1787.9                                   | ...           | 451.5         | 439.6         | 429.0         | 151.8         | 126.0         | 153.7         | 36.4             |
| Tupelo-blackgum                       | 723.1                                    | ...           | 169.4         | 182.1         | 147.2         | 99.2          | 59.3          | 64.6          | 1.4              |
| Ash                                   | 1248.6                                   |               | 283.4         | 272.1         | <b>255.5</b>  | 194.5         | 129.9         | 98.9          | 14.4             |
| Cottonwood-aspen                      | 186.6                                    | ...           | 5.5           | 3.9           | 19.2          | 11.9          | 7.9           | 44.2          | 94.2             |
| Basswood                              | 256.1                                    | ...           | 52.4          | 52.0          | 53.5          | 41.0          | 27.1          | 30.0          |                  |
| Yellow-poplar                         | 6687.0                                   |               | 981.2         | 1318.7        | 1285.2        | 1132.3        | 854.8         | 1042.7        | 72.0             |
| Black walnut                          | 244.5                                    | ..            | 70.4          | 69.4          | 54.2          | 21.0          | 19.2          | 7.0           | 3.3              |
| Other hardwoods                       | 2338.6                                   | ..            | 527.3         | 534.4         | 344.9         | 269.9         | 264.1         | 323.7         | 74.3             |
| Total hardwoods                       | 43998.2                                  |               | 8731.0        | 9947.9        | 8086.3        | 6175.4        | 4425.1        | 5730.2        | 902.2            |
| All species                           | 53613.6                                  | <b>2519.9</b> | 11367.6       | 11787.1       | 9020.6        | 6689.8        | 4772.4        | 6336.3        | 1119.9           |

**Table 15—Volume of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989**

| County                         | Growing stock |          |         |       |                   |                                | Sawtimber   |          |         |       |                     |                   |
|--------------------------------|---------------|----------|---------|-------|-------------------|--------------------------------|-------------|----------|---------|-------|---------------------|-------------------|
|                                | All species   | softwood |         |       | Hardwood          |                                | All species | softwood |         |       | Hardwood            |                   |
|                                |               | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup>              |             | Pine     |         | Other | Soft <sup>1</sup> ~ | Hard <sup>2</sup> |
|                                |               | Planted  | Natural |       |                   |                                |             | Planted  | Natural |       |                     |                   |
| ----- Million cubic feet ----- |               |          |         |       |                   | ----- Million board feet ----- |             |          |         |       |                     |                   |
| Anderson                       | 199.3         | ...      | 24.4    | 15.0  | 56.2              | 103.6                          | 791.5       | ...      | 112.4   | 50.6  | 207.2               | 421.4             |
| Bedford                        | 50.8          | ...      | ...     | 4.4   | 19.8              | 26.7                           | 141.2       | ...      | ...     | 4.6   | 61.6                | 75.0              |
| Benton                         | 175.9         | 13.4     | 0.4     | 0.7   | 33.4              | 128.0                          | 444.8       | 11.1     | 1.0     | 1.6   | 67.9                | 363.2             |
| Bledsoe                        | 187.5         | 26.6     | 40.8    | 2.6   | 22.7              | 94.8                           | 457.6       | 43.2     | 126.5   | 10.7  | 51.6                | 225.6             |
| Blount                         | 111.0         | 6.8      | 34.6    | 0.4   | 14.6              | 54.7                           | 365.2       | 23.9     | 126.9   | ...   | 33.1                | 181.3             |
| Bradley                        | 113.9         | ...      | 51.3    | 0.9   | 13.1              | 48.5                           | 422.9       | ...      | 184.5   | 3.5   | 28.2                | 206.7             |
| Campbell                       | 354.0         | ...      | 50.6    | 5.7   | 97.1              | 200.6                          | 1335.9      | ...      | 172.5   | 19.7  | 344.0               | 799.5             |
| Cannon                         | 92.2          | ...      | 4.5     | 4.6   | 29.1              | 54.0                           | 243.6       | ...      | 2.2     | 7.1   | 66.5                | 167.9             |
| Carroll                        | 252.5         | 7.1      | 10.1    | 1.5   | 95.3              | 138.5                          | 804.9       | 31.6     | 49.2    | 2.3   | 267.5               | 454.3             |
| Carter                         | 277.6         |          | 28.3    | 13.7  | 87.1              | 148.5                          | 959.1       | .        | 107.8   | 56.3  | 340.2               | 454.7             |
| Cheatam                        | 145.8         | .        | 0.4     | 4.8   | 27.7              | 112.9                          | 440.0       |          | 1.9     | 12.1  | 85.2                | 340.9             |
| Chester                        | 104.0         | 10.8     | 18.7    | 1.1   | 29.3              | 44.1                           | 296.3       | 37.9     | 76.2    | 1.9   | 62.8                | 117.5             |
| Claiborne                      | 196.3         | ...      | 9.1     | 2.4   | 53.2              | 131.6                          | 653.3       | ...      | 37.1    | 2.0   | 181.2               | 433.0             |
| Clay                           | 88.6          | ...      | 0.7     | 2.7   | 12.1              | 73.1                           | 212.9       | ...      | 4.8     | 3.9   | 23.2                | 181.0             |
| Cocke                          | 238.0         | ...      | 41.7    | 5.9   | 70.9              | 119.6                          | 791.3       | ...      | 151.4   | 21.7  | 195.8               | 422.4             |
| Coffee                         | 154.3         | ...      | ...     | ..    | 28.4              | 125.9                          | 486.6       | ...      | ...     | .     | 81.2                | 405.4             |
| Crockett                       | 33.0          | ...      | ...     | ...   | 6.0               | 27.0                           | 165.2       | ..       | ...     | ...   | 27.9                | 137.2             |
| Cumberland                     | 418.3         | 9.5      | 109.5   | 4.1   | 64.2              | 231.0                          | 1276.9      | 2.0      | 422.3   | 13.4  | 160.9               | 678.2             |
| Davidson                       | 114.4         | ...      | 0.5     | 3.9   | 8.8               | 101.2                          | 380.7       | ...      | ...     | 6.2   | 22.8                | 351.7             |
| Decatur                        | 206.5         | 17.8     | 3.0     | 3.9   | 45.0              | 136.9                          | 672.3       | 78.6     | 10.1    | 11.7  | 124.2               | 447.7             |
| De Kalb                        | 166.8         | ...      | .       | 13.6  | 57.9              | 95.4                           | 523.5       | ...      | ...     | 21.9  | 238.1               | 263.5             |
| Dickson                        | 216.8         | ...      | ...     | 1.2   | 32.6              | 183.0                          | 738.3       | ...      | ...     | ...   | 110.5               | 627.8             |
| Dyer                           | 51.5          | .        | ...     | ...   | 34.5              | 17.0                           | 225.9       | ...      | ..      | ...   | 154.2               | 71.7              |
| Fayette                        | 201.7         | ...      | 14.6    | 6.2   | 37.7              | 143.2                          | 638.1       | ...      | 34.2    | 10.6  | 102.2               | 491.1             |
| Fentress                       | 363.5         | 10.5     | 102.6   | 15.3  | 65.2              | 170.0                          | 1057.7      | 13.8     | 327.9   | 61.5  | 177.3               | 477.2             |
| Franklin                       | 175.7         | ...      | ...     | 4.4   | 16.5              | 154.8                          | 574.5       | ...      | ...     | 6.3   | 64.9                | 503.2             |
| Gibson                         | 47.0          | ...      | ...     | ...   | ...               | 47.0                           | 155.9       | ...      | ...     | ...   | ...                 | 155.9             |
| Giiles                         | 151.4         | 3.1      | 0.1     | 1.9   | 52.5              | 93.7                           | 347.8       | 9.8      | ...     | 3.9   | 103.8               | 230.3             |
| Grainger                       | 156.2         | ...      | 15.2    | 3.1   | 50.6              | 87.4                           | 522.3       |          | 47.2    | 6.6   | 184.4               | 284.0             |
| Greene                         | 246.8         | ...      | 35.9    | 5.7   | 68.2              | 136.9                          | 856.0       | ...      | 119.6   | 9.0   | 262.4               | 465.0             |
| Grundy                         | 194.4         | ...      | 29.6    | 2.2   | 40.0              | 122.5                          | 519.2       | ...      | 64.9    | 6.1   | 117.4               | 330.8             |
| Hamblen                        | 70.4          | ...      | 18.4    | 2.7   | 9.1               | 40.1                           | 276.5       | ...      | 75.7    | 2.7   | 27.6                | 170.6             |
| Hamilton                       | 248.8         | 14.0     | 77.2    | 0.9   | 22.0              | 134.8                          | 890.5       | 63.2     | 297.9   | 2.5   | 52.7                | 474.2             |
| Hancock                        | 65.3          |          | 1.5     | 2.2   | 15.8              | 45.9                           | 213.2       | ...      | 9.7     | 1.2   | 43.0                | 159.2             |
| Hardeman                       | 297.7         | 28.1     | 2.5.3   | 5.3   | 76.2              | 162.9                          | 955.3       | 108.3    | 87.7    | 10.9  | 222.3               | 526.2             |
| Hardin                         | 258.3         | 24.4     | 36.3    | 5.2   | 60.2              | 132.2                          | 689.2       | 30.6     | 125.1   | 12.9  | 159.0               | 361.6             |
| Hawkins                        | 191.9         | ...      | 26.4    | 1.4   | 37.0              | 127.1                          | 607.9       | ...      | 76.4    |       | 132.7               | 398.7             |
| Haywood                        | 122.5         | ...      | ...     | ...   | 43.0              | 79.5                           | 488.5       | ...      | ...     | ...   | 157.0               | 331.5             |
| Henderson                      | 214.6         | 26.9     | 9.4     | 3.2   | 71.3              | 103.7                          | 646.4       | 75.9     | 23.2    | 5.9   | 197.7               | 343.8             |
| Henry                          | 231.1         | 2.2      | ...     | 0.6   | 109.0             | 119.2                          | 835.8       | 9.2      | ...     | ...   | 402.3               | 424.4             |
| Hickman                        | 345.6         | 8.1      | 4.8     | 0.7   | 56.0              | 276.0                          | 906.3       | 29.1     | 6.7     | 3.2   | 164.2               | 703.1             |
| Houston                        | 113.9         | ...      | ...     | 0.5   | 21.7              | 91.8                           | 359.3       | ...      | ...     | 1.6   | 60.0                | 297.6             |
| Humphreys                      | 272.4         | ...      | 1.7     | 1.8   | 43.4              | 225.5                          | 783.6       | .        | 8.4     | 4.4   | 116.9               | 653.9             |
| Jackson                        | 166.6         | ...      | 1.2     | 9.0   | 51.2              | 105.1                          | 583.8       | ...      | 3.9     | 15.8  | 185.4               | 378.8             |
| Jefferson                      | 98.3          | 12.0     | 1.4     | 2.1   | 14.4              | 68.4                           | 368.7       | 43.0     | 4.4     | 4.4   | 42.3                | 274.7             |
| Johnson                        | 193.1         | 0.4      | 22.1    | 7.8   | 51.3              | 111.6                          | 608.2       | ...      | 91.5    | 27.6  | 141.9               | 347.2             |
| Knox                           | 169.6         | ...      | 35.8    | 3.9   | 50.0              | 79.9                           | 628.8       | ...      | 105.5   | 7.2   | 206.2               | 310.0             |
| Lake                           | 72.1          | ...      | ...     | 38.8  | 12.6              | 20.7                           | 346.7       | .        | ...     | 200.2 | 53.5                | 92.9              |

**Table 15—Volume of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 - Continued**

| County                         | Growing stock |          |         |       |          |        | Sawtimber   |          |         |        |          |         |
|--------------------------------|---------------|----------|---------|-------|----------|--------|-------------|----------|---------|--------|----------|---------|
|                                | All species   | Softwood |         |       | Hardwood |        | All species | Softwood |         |        | Hardwood |         |
|                                |               | Pine     |         |       | Sort¹    | Hard²  |             | Pine     |         |        | sort¹    | Hard²   |
|                                |               | Planted  | Natural | Other |          |        |             | Planted  | Natural | Other  |          |         |
| ----- Million cubic feet ----- |               |          |         |       |          |        |             |          |         |        |          |         |
| Lauderdale                     | 134.2         | ...      | ...     | 20.0  | 62.9     | 51.3   | 623.4       | ...      | ...     | 105.3  | 302.5    | 215.5   |
| Lawrence                       | 173.3         | ..       | ...     | ...   | 44.1     | 129.3  | 481.0       | ...      | ...     | ...    | 149.0    | 331.9   |
| Lewis                          | 164.9         | ...      | 1.6     | ...   | 20.2     | 143.0  | 430.5       | ...      | 4.9     | ...    | 59.1     | 366.5   |
| Lincoln                        | 114.2         | ..       | .       | 9.7   | 31.5     | 73.0   | 276.6       | ...      | ...     | 5.1    | 60.1     | 211.4   |
| Loudon                         | 97.6          | 17.1     | 23.6    | 2.6   | 7.2      | 47.0   | 378.9       | 68.8     | 81.0    | 5.3    | 16.8     | 207.0   |
| McMinn                         | 215.0         | 32.6     | 74.1    | 1.2   | 37.1     | 69.9   | 670.0       | 79.5     | 227.8   | ..     | 137.8    | 224.8   |
| McNairy                        | 233.2         | 4.0      | 72.1    | 2.4   | 49.1     | 105.5  | 610.2       | ...      | 227.6   | 4.7    | 110.1    | 267.7   |
| Macon                          | 105.2         | ...      | ...     | 0.3   | 53.6     | 51.3   | 378.0       | .        | ...     | .      | 194.0    | 184.1   |
| Madison                        | 209.2         | ...      | 1.2     | 6.9   | 68.6     | 132.6  | 729.1       | ...      | 1.4     | 18.3   | 238.6    | 470.8   |
| Marion                         | 265.4         | 0.9      | 33.1    | 7.1   | 50.1     | 174.2  | 846.9       | ...      | 117.3   | 34.1   | 150.6    | 544.9   |
| Marshall                       | 51.7          | ..       | ...     | 5.9   | 10.1     | 35.6   | 153.6       | ...      | ...     | 6.9    | 25.4     | 121.3   |
| Maury                          | 108.3         | ...      | ...     | 0.5   | 35.5     | 72.3   | 241.8       | ...      | ...     | ...    | 75.5     | 166.4   |
| Meigs                          | 126.6         | 42.1     | 11.6    | 1.7   | 23.2     | 47.9   | 367.4       | 126.0    | 34.4    | 5.6    | 41.1     | 160.3   |
| Monroe                         | 477.4         | 2.4      | 185.0   | 14.1  | 88.9     | 187.0  | 1537.2      | 6.3      | 646.8   | 39.9   | 263.3    | 580.9   |
| Montgomery                     | 143.0         | ...      | 5.5     | 2.8   | 48.3     | 86.3   | 404.4       | ...      | 14.9    | 3.8    | 130.2    | 255.4   |
| Moore                          | 55.3          | ...      | ...     | 2.7   | 9.6      | 43.0   | 192.6       | ...      | ...     | 7.1    | 27.6     | 157.8   |
| Morgan                         | 368.7         | 1.2      | 86.3    | 2.0   | 94.9     | 184.4  | 1323.0      | ...      | 342.1   | 8.4    | 318.9    | 653.6   |
| Obion                          | 141.4         | ...      | ...     | 12.9  | 49.4     | 79.2   | 613.1       | ...      | ...     | 67.1   | 172.8    | 373.1   |
| Overton                        | 291.3         | ...      | 28.6    | 2.9   | 123.8    | 136.0  | 1072.8      | ...      | 140.7   | 4.6    | 451.7    | 475.8   |
| Perry                          | 247.9         | ...      | 1.8     | 5.6   | 28.0     | 212.5  | 628.9       | ...      | 6.6     | 7.0    | 845      | 530.8   |
| Pickett                        | 92.9          | ...      | 1.7     | 5.3   | 31.3     | 54.6   | 295.2       | ...      | 5.2     | 18.1   | 112.2    | 159.6   |
| Polk                           | 326.1         | ...      | 190.0   | 7.9   | 40.4     | 87.8   | 1193.8      | ...      | 743.1   | 24.1   | 114.3    | 312.2   |
| Putnam                         | 202.7         | ...      | 14.5    | 4.4   | 69.4     | 114.5  | 708.7       | ...      | 62.4    | 12.6   | 263.4    | 370.4   |
| Rhea                           | 180.1         | 15.5     | 25.8    | 2.8   | 46.1     | 90.0   | 510.4       | 33.1     | 65.5    | 10.3   | 137.7    | 263.8   |
| Roane                          | 228.7         | 14.8     | 31.3    | .     | 57.9     | 124.7  | 733.5       | 73.4     | 121.8   | ..     | 191.5    | 346.9   |
| Robertson                      | 66.3          | ...      | ...     | 0.4   | 24.3     | 41.6   | 262.5       | ..       | ...     | 1.8    | 87.5     | 173.2   |
| Rutherford                     | 52.3          | .        | ...     | 11.7  | 7.6      | 33.0   | 95.2        | ...      | ...     | 6.1    | 14.8     | 74.2    |
| Scott                          | 490.1         | 16.9     | 82.4    | 7.8   | 98.5     | 284.6  | 1565.4      | 64.3     | 298.4   | 34.2   | 266.3    | 902.3   |
| Sequatchie                     | 134.4         | 2.1      | 45.7    | 6.2   | 20.9     | 59.4   | 371.9       | 1.5      | 129.8   | 28.9   | 52.7     | 159.0   |
| Sevier                         | 183.5         | ...      | 63.0    | 6.1   | 29.2     | 85.2   | 623.9       | ...      | 224.5   | 22.8   | 76.0     | 300.5   |
| Shelby                         | 189.0         | .        | ...     | 1.7   | 130.6    | 56.8   | 678.8       | ...      | ...     | 7.8    | 478.7    | 192.4   |
| Smith                          | 79.1          | ...      | ...     | 4.2   | 20.5     | 54.5   | 202.7       | ...      | ...     | 1.4    | 64.0     | 137.4   |
| Stewart                        | 236.4         | ...      | ...     | 6.2   | 63.1     | 167.0  | 770.5       | ...      | ...     | 22.0   | 177.5    | 571.0   |
| Sullivan                       | 160.0         | ...      | 31.6    | 1.6   | 30.4     | 96.4   | 488.7       | ...      | 120.8   | 1.3    | 92.0     | 274.6   |
| Sumner                         | 79.3          | ...      | ...     | 3.6   | 30.7     | 45.0   | 275.4       | ...      | ...     | 4.3    | 120.5    | 150.6   |
| Tipton                         | 76.6          | ..       | ...     | ...   | 45.0     | 31.6   | 280.7       | ...      | ...     | ...    | 153.6    | 127.1   |
| Trousdale                      | 25.3          | ...      | ...     | 4.8   | 7.8      | 12.8   | 49.8        | ...      | .       | 0.5    | 18.2     | 31.1    |
| Unicoi                         | 170.2         | ...      | 35.4    | 11.1  | 53.9     | 69.8   | 619.0       | ...      | 176.0   | 47.0   | 174.4    | 221.6   |
| Union                          | 123.2         | ...      | 17.6    | 5.6   | 43.8     | 56.2   | 420.9       | ...      | 55.1    | 7.2    | 152.1    | 206.5   |
| Van Buren                      | 149.7         | 2.7      | 31.7    | 7.8   | 37.4     | 70.0   | 441.1       | 2.0      | 56.0    | 39.9   | 125.4    | 217.9   |
| Warren                         | 111.6         | ...      | ...     | ...   | 27.1     | 84.5   | 370.5       | ...      | ...     | ...    | 109.2    | 261.2   |
| Washington                     | 96.5          | 2.7      | 10.5    | 7.2   | 23.0     | 53.1   | 375.3       | 3.3      | 48.2    | 35.8   | 78.1     | 209.9   |
| Wayne                          | 334.0         | 5.8      | 15.8    | 1.4   | 40.9     | 270.1  | 798.2       | ...      | 36.8    | 1.7    | 81.4     | 678.3   |
| Weakley                        | 139.7         | 16.0     | 0.6     | 4.1   | 45.9     | 73.0   | 520.8       | 50.0     | 2.8     | 19.7   | 150.2    | 298.1   |
| White                          | 198.3         | 21.4     | 3.1     | 1.5   | 62.9     | 109.4  | 665.3       | 20.0     | 10.8    | 2.7    | 222.4    | 409.4   |
| Williamson                     | 163.7         | ...      | 1.6     | 13.0  | 53.0     | 96.2   | 545.3       | ...      | 3.3     | 20.1   | 201.1    | 320.8   |
| Wilson                         | 51.4          | ...      | ...     | 14.7  | 5.7      | 31.0   | 100.7       | ...      | ...     | 23.8   | 12.3     | 64.6    |
| All counties                   | 16682.7       | 419.9    | 2014.9  | 460.6 | 4097.2   | 9690.1 | 53613.6     | 1139.3   | 7103.0  | 1373.1 | 13050.6  | 30947.7 |

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 16—Volume of timber on timberland by class of timber and species group, Tennessee Counties, 1989**

| Class of timber                | All species | Softwood |         |       | Hardwood          |                   |
|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted  | Natural |       |                   |                   |
| ----- Million cubic feet ----- |             |          |         |       |                   |                   |
| Sawtimber trees:               |             |          |         |       |                   |                   |
| Saw-log portion                | 9040.8      | 202.2    | 1224.9  | 253.9 | 2186.5            | 5173.3            |
| Upper-stem portion             | 1940.9      | 39.1     | 205.2   | 33.9  | 459.6             | 1203.1            |
| Total                          | 10981.7     | 241.3    | 1430.1  | 287.8 | 2646.1            | 6376.4            |
| Poletimber trees               | 5701.0      | 178.5    | 584.8   | 172.7 | 1451.1            | 3313.7            |
| All growing-stock trees        | 16682.7     | 419.9    | 2014.9  | 460.6 | 4097.2            | 9690.1            |
| Rough trees:                   |             |          |         |       |                   |                   |
| Sawtimber size                 | 587.5       | 1.5      | 14.5    | 26.0  | 145.1             | 400.4             |
| Poletimber size                | 664.7       | 3.0      | 13.7    | 21.7  | 182.8             | 443.5             |
| Total                          | 1252.3      | 4.6      | 28.2    | 47.7  | 327.9             | 843.9             |
| Rotten trees:                  |             |          |         |       |                   |                   |
| Sawtimber size                 | 310.8       | ...      | 1.0     | 4.8   | 93.8              | 211.2             |
| Poletimber size                | 33.4        | ...      |         | 0.5   | 13.0              | 19.9              |
| Total                          | 344.2       |          | 1.0     | 5.3   | 106.8             | 231.1             |
| Salvable dead trees:           |             |          |         |       |                   |                   |
| Sawtimber size                 | 68.8        | 2.3      | 21.8    | 0.7   | 12.5              | 31.6              |
| Poletimber size                | 55.8        | 0.6      | 7.3     | 2.1   | 6.0               | 39.8              |
| Total                          | 124.6       | 2.8      | 29.1    | 2.8   | 18.5              | 71.4              |
| All classes                    | 18403.8     | 427.2    | 2073.3  | 516.3 | 4550.5            | 10836.5           |

<sup>1</sup>Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

<sup>2</sup>Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 17 — Volume of live trees and growing stock on timberland by ownership class and species group, Tennessee Counties, 1989**

| Ownership class                | Live trees  |         |         |          |                   |                   | G r o w i n g s t o c k |         |         |          |                   |                   |
|--------------------------------|-------------|---------|---------|----------|-------------------|-------------------|-------------------------|---------|---------|----------|-------------------|-------------------|
|                                | Softwood    |         |         | Hardwood |                   |                   | Softwood                |         |         | Hardwood |                   |                   |
|                                | Pine        |         |         |          |                   |                   | Pine                    |         |         |          |                   |                   |
|                                | All species | Planted | Natural | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> | All species             | Planted | Natural | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> |
| ----- Million cubic feet ----- |             |         |         |          |                   |                   |                         |         |         |          |                   |                   |
| National forest                | 1077.4      | 2.4     | 272.4   | 30.7     | 249.3             | 522.7             | 1005.0                  | 2.4     | 270.1   | 30.5     | 234.9             | 467.1             |
| Other public                   | 1531.8      | 42.2    | 160.5   | 107.8    | 400.5             | 820.9             | 1391.2                  | 42.1    | 159.0   | 101.2    | 334.9             | 754.1             |
| Forest industry                | 1311.5      | 128.2   | 150.3   | 30.5     | 269.0             | 733.5             | 1223.6                  | 126.6   | 147.7   | 28.3     | 246.2             | 674.8             |
| Forest industry-leased         | 34.2        | 3.3     | 0.6     | 0.3      | 7.6               | 22.4              | 30.8                    | 3.1     | 0.6     | 0.2      | 7.3               | 19.5              |
| Other private                  | 14324.3     | 248.3   | 1460.4  | 344.3    | 3605.7            | 8665.6            | 13032.1                 | 245.7   | 1437.6  | 300.4    | 3273.8            | 7774.6            |
| All ownerships                 | 18279.2     | 424.4   | 2044.1  | 513.5    | 4532.0            | 10765.1           | 16682.7                 | 419.9   | 2014.9  | 460.6    | 4097.2            | 9690.1            |

<sup>1</sup>Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

<sup>2</sup>Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 1 & Average net annual growth of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989**

| County                         | Growing stock |          |         |       |                   |                                | Sawtimber   |          |         |       |                   |                   |
|--------------------------------|---------------|----------|---------|-------|-------------------|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                                | All species   | Softwood |         |       | Hardwood          |                                | All species | softwood |         |       | Hardwood          |                   |
|                                |               | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup>              |             | Pine     |         | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |               | Planted  | Natural |       |                   |                                |             | Planted  | Natural |       |                   |                   |
|                                |               |          |         |       |                   |                                |             |          |         |       |                   |                   |
| ----- Million cubic feet ----- |               |          |         |       |                   | ----- Million board feet ----- |             |          |         |       |                   |                   |
| Anderson                       | 8.2           | ...      | ..      | 0.4   | 4.1               | 3.7                            | 40.2        | ...      | ...     | 2.1   | 17.1              | 20.9              |
| Bedford                        | 1.5           | .        |         | 0.3   | 0.7               | 0.5                            | 4.2         | ...      |         | 0.2   | 2.0               | 2.0               |
| Benton                         | 10.0          | 0.6      | 0.3     | 0.1   | 2.3               | 6.7                            | 30.3        | 0.6      | 0.5     | 0.2   | 3.4               | 25.6              |
| Bledsoe                        | 10.6          | 2.0      | 1.8     | 0.1   | 1.5               | 5.2                            | 26.0        | 1.4      | 6.1     | 0.4   | 3.6               | 14.5              |
| Blount                         | 2.0           | 0.4      | -0.3    | ...   | 0.6               | 1.3                            | 3.9         | 1.3      | -1.5    | ...   | 1.8               | 2.3               |
| Bradley                        | 5.3           |          | 2.8     | -0.3  | 0.8               | 2.1                            | 25.4        | ...      | 13.1    | -0.4  | 3.0               | 9.7               |
| Campbell                       | 10.2          | ...      | 0.8     | 0.2   | 4.4               | 4.8                            | 56.9        |          | 4.6     | 1.4   | 20.0              | 30.8              |
| Cannon                         | 4.6           | ...      | 0.3     | 0.2   | 1.8               | 2.3                            | 14.0        | ...      | 0.3     | 0.6   | 5.7               | 7.4               |
| Carroll                        | 12.7          | 0.4      | 0.2     | .     | 5.4               | 6.7                            | 51.4        | 2.3      | 0.9     | -0.2  | 19.6              | 28.8              |
| carter                         | 7.1           |          | 0.1     | -0.4  | 4.1               | 3.3                            | 33.6        | ...      | 3.4     | 4.0   | 17.8              | 16.4              |
| Cheatam                        | 7.8           | ..       | ...     | 0.3   | 1.8               | 5.7                            | 28.8        | ...      |         | 1.0   | 6.1               | 21.7              |
| Chester                        | 2.6           | 0.2      | 0.1     | ...   | 0.6               | 1.6                            | 7.4         | 0.7      | -1.1    | 0.1   | 1.6               | 6.1               |
| Claibome                       | 8.4           | ...      | -0.1    | 0.2   | 3.1               | 5.2                            | 32.2        | ...      | 0.6     |       | 12.8              | 18.8              |
| Clay                           | 4.6           | ...      | .       | 0.1   | 0.9               | 3.6                            | 15.8        | ...      | -0.2    | 0.1   | 2.5               | 13.4              |
| Cocke                          | 6.0           | ...      | 0.7     | 0.3   | 3.4               | 1.6                            | 27.1        | ...      | 3.5     | 0.7   | 12.7              | 10.1              |
| Coffee                         | 4.8           |          | ...     | ...   | 1.3               | 3.6                            | 19.3        | ...      | ...     |       | 3.8               | 15.5              |
| Crockett                       | 0.6           | ...      | ..      | ...   | 0.3               | 0.3                            | 3.4         | ...      |         | ...   | 1.1               | 2.2               |
| Cumberland                     | 12.8          | 0.6      | 3.2     | 0.2   | 2.6               | 6.2                            | 45.5        | 0.6      | 13.4    | 1.1   | 8.0               | 22.4              |
| Davidson                       | 4.2           |          | 0.1     | 0.2   | 0.5               | 3.4                            | 11.2        | ...      | ...     | 0.7   | 0.9               | 9.5               |
| Decatur                        | 9.7           | 1.0      | ...     | 0.2   | 2.7               | 5.9                            | 39.2        | 7.0      |         | 0.2   | 7.2               | 24.9              |
| De Kalb                        | 7.5           | ...      | ..      | 0.6   | 2.9               | 4.0                            | 27.7        | ...      | .       | 1.4   | 14.0              | 12.4              |
| Dickson                        | 7.8           | ...      | ...     | 0.1   | 1.6               | 6.1                            | 42.0        | ...      | ...     | .     | 6.5               | 35.5              |
| Dyer                           | 0.8           | ...      | ...     | ...   | 0.1               | 0.7                            | 3.7         | ...      | .       | ...   | 0.5               | 3.1               |
| Fayette                        | 10.5          | ...      | 0.8     | 0.1   | 2.5               | 7.0                            | 38.9        | ...      | 2.9     | 0.6   | 7.3               | 28.0              |
| Fentress                       | 13.0          | 0.9      | 3.2     | 0.7   | 3.0               | 5.2                            | 44.4        | 1.0      | 10.0    | 2.0   | 10.6              | 20.8              |
| Franklin                       | 4.3           | ...      | ...     | 0.2   | 0.6               | 3.5                            | 17.9        | ...      | ...     | 0.8   | 3.3               | 13.7              |
| Gibson                         | 0.6           |          |         |       | -0.4              | 1.0                            | 5.0         | ...      |         |       | -0.9              | 5.8               |
| Giles                          | 8.7           | 0.4      | ...     | ...   | 3.3               | 5.0                            | 23.4        | 1.2      | 0.1     | 0.2   | 8.4               | 13.5              |
| Grainger                       | 8.5           | ...      | 0.6     | 0.2   | 2.6               | 5.0                            | 37.4        | ...      | 1.8     | 1.1   | 12.3              | 22.3              |
| Greene                         | 12.2          | ..       | 1.7     | -0.2  | 5.1               | 5.6                            | 48.4        | ...      | 5.8     | 1.2   | 19.9              | 21.5              |
| Grundy                         | 8.5           | ...      | 1.4     | ...   | 1.9               | 5.2                            | 25.0        | ...      | 3.8     | 0.2   | 5.0               | 16.0              |
| Hamblen                        | 3.4           | ...      | -0.4    | ..    | 0.6               | 3.2                            | 16.8        | ...      | 0.6     | ...   | 3.1               | 13.0              |
| Hamilton                       | 9.2           | 0.9      | 2.1     | 0.1   | 1.0               | 5.0                            | 34.9        | 3.3      | 12.6    | 0.3   | 0.7               | 18.0              |
| Hancock                        | 3.5           | ...      | ...     | ...   | 0.9               | 2.5                            | 15.4        | ...      | 0.2     | ...   | 5.3               | 9.8               |
| Hardeman                       | 11.1          | 1.6      | 1.1     | 0.6   | 2.0               | 5.8                            | 36.8        | 6.2      | 4.2     | 1.8   | 3.2               | 21.4              |
| Hardin                         | 12.0          | 3.4      | 0.6     | 0.2   | 2.5               | 5.3                            | 37.8        | 10.2     | 2.9     | 0.2   | 7.6               | 16.9              |
| Hawkins                        | 3.7           | ...      | 0.3     | 0.2   | 0.9               | 2.4                            | 17.3        | ...      | 0.1     | ...   | 4.1               | 13.1              |
| Haywood                        | 4.3           | ...      | ...     | ...   | 2.3               | 1.9                            | 10.2        | ...      | ...     | .     | 6.6               | 3.6               |
| Henderson                      | 7.6           | 1.0      | 0.1     | ...   | 2.7               | 3.9                            | 31.4        | 2.8      | 0.4     | .     | 11.3              | 16.9              |
| Henry                          | 10.3          | ...      | ...     | ...   | 6.6               | 3.8                            | 53.0        | ...      |         | ...   | 35.7              | 17.3              |
| Hickman                        | 7.2           |          | 0.1     | 0.1   | 1.5               | 5.6                            | 34.9        | 0.5      | 0.3     | 0.3   | 5.0               | 28.7              |
| Houston                        | 3.7           | ...      | ...     | 0.1   | 0.9               | 2.7                            | 15.7        | ...      | ...     | 0.2   | 3.8               | 11.7              |
| Humphreys                      | 8.1           | ...      | 0.1     | ...   | 2.0               | 6.0                            | 34.1        | ...      | 0.7     | -0.3  | 7.1               | 26.6              |
| Jackson                        | 5.9           | ..       | 0.1     | 0.2   | 2.1               | 3.6                            | 23.5        | ...      | 0.3     | 0.6   | 7.8               | 14.8              |
| Jefferson                      | 6.4           | ...      | 0.6     | ...   | 1.2               | 4.6                            | 25.2        | ...      | 5.2     | 0.2   | 3.4               | 16.4              |
| Johnson                        | 10.1          | ...      | 0.8     | 0.7   | 2.0               | 6.5                            | 42.7        | ...      | 3.1     | 2.6   | 9.8               | 27.1              |
| Knox                           | 5.9           | ..       | 0.9     | 0.1   | 1.6               | 3.3                            | 22.4        | ...      | 1.3     | 0.8   | 9.9               | 10.4              |
| Lake                           | ...           | ...      | ...     | ...   | ...               | ...                            | ...         | ...      | ...     | ...   | ...               | ...               |

**Table 18—Average net annual growth of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 - Continued**

| County                         | Growing stock |          |       |                   |                   |       | Sawtimber   |          |                   |                   |          |         |
|--------------------------------|---------------|----------|-------|-------------------|-------------------|-------|-------------|----------|-------------------|-------------------|----------|---------|
|                                | All species   | Softwood |       |                   | Hardwood          |       | All species | Softwood |                   |                   | Hardwood |         |
|                                |               | Pine     | Other | Soft <sup>1</sup> | Hard <sup>2</sup> | Pine  |             | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> |          |         |
|                                |               |          |       |                   |                   |       |             |          |                   |                   | Planted  | Natural |
| ----- Million cubic feet ----- |               |          |       |                   |                   |       |             |          |                   |                   |          |         |
| Lauderdale                     | 4.7           | ...      | ...   | 0.6               | 2.4               | 1.7   | 17.0        | ...      | ...               | 2.6               | 7.7      | 6.8     |
| Lawrence                       | 5.5           | ...      |       |                   | 1.5               | 4.0   | 22.3        |          | 0.3               | ..                | 7.6      | 14.4    |
| Lewis                          | 6.4           | ...      | 0.1   |                   | 0.7               | 5.6   | 23.8        |          | 0.1               | ...               | 3.0      | 20.7    |
| Lincoln                        | 4.3           | ...      | ...   | 0.2               | 1.6               | 2.5   | 14.2        | ...      |                   | 0.4               | 3.3      | 10.4    |
| Loudon                         | 4.9           | 0.8      | 1.6   | 0.2               | 0.4               | 2.0   | 24.4        | 5.9      | 6.5               | 0.6               | 0.2      | 11.2    |
| McMinn                         | 9.5           | 1.5      | 3.3   | ...               | 1.9               | 2.7   | 36.8        | 5.0      | 14.8              | .                 | 8.3      | 8.7     |
| McNairy                        | 12.1          | 1.4      | 1.8   | 0.3               | 3.6               | 5.2   | 37.2        | 0.9      | 5.8               | 0.5               | 10.4     | 19.5    |
| Macon                          | 4.3           | ...      | ...   | ...               | 2.7               | 1.6   | 22.3        | ...      |                   | ...               | 13.3     | 8.9     |
| Madison                        | 9.2           |          | 0.1   | 0.4               | 3.1               | 5.6   | 39.8        | ...      | 0.2               | 1.1               | 14.1     | 24.4    |
| Marion                         | 9.6           | 0.1      | 1.0   | 0.2               | 2.2               | 6.1   | 28.2        | ...      | 0.5               | 0.4               | 5.7      | 21.7    |
| Marshall                       | 1.1           | ...      | ...   | 0.4               | 0.3               | 0.5   | 2.9         | ...      |                   | 0.7               | 0.7      | 1.5     |
| Maury                          | 3.1           | ...      |       | ...               | 1.2               | 1.9   | 8.8         | ...      |                   | ...               | 4.2      | 4.6     |
| Meigs                          | 5.3           | 1.8      | ...   | ...               | 1.3               | 2.2   | 26.6        | 11.3     | -0.3              | 0.2               | 4.6      | 10.8    |
| Monroe                         | 17.0          | ...      | 6.8   | 0.6               | 2.8               | 6.7   | 67.6        | ..       | 31.2              | 2.4               | 10.0     | 24.0    |
| Montgomery                     | 7.8           |          | 0.4   | 0.1               | 2.8               | 4.5   | 27.6        | ..       | 0.7               | 0.2               | 10.2     | 16.5    |
| Moore                          | 1.5           | ...      | ...   |                   | 0.5               | 1.0   | 4.7         |          | ...               | -0.3              | 1.3      | 3.7     |
| Morgan                         | 17.9          | ...      | 4.6   | 0.1               | 4.8               | 8.4   | 79.1        | ...      | 20.2              | 0.7               | 18.2     | 40.1    |
| Obion                          | 5.9           | ...      |       | 0.3               | 1.7               | 3.9   | 32.8        | ...      | ...               | 1.1               | 8.5      | 23.1    |
| Overton                        | 10.3          | .        | 0.8   | 0.1               | 4.4               | 5.0   | 52.9        |          | 4.5               | 0.4               | 23.9     | 24.1    |
| Perry                          | 11.2          | ...      | 0.1   | 0.2               | 1.6               | 9.3   | 43.3        |          | 0.7               | 0.7               | 7.5      | 34.4    |
| Pickett                        | 2.5           | ...      | 0.1   | 0.2               | 0.9               | 1.3   | 7.9         | ...      | 0.4               | 0.6               | 3.7      | 3.2     |
| Polk                           | 6.1           | 0.3      | 4.1   | 0.1               | 1.2               | 0.4   | 37.1        | 0.9      | 18.1              | 0.2               | 7.0      | 10.9    |
| Putnam                         | 10.5          | ...      | ...   | 0.3               | 4.0               | 6.1   | 47.8        | ...      | 0.4               | 1.1               | 19.3     | 26.9    |
| Rhea                           | 9.2           | 0.8      | 1.5   | ...               | 2.3               | 4.5   | 32.4        | 3.2      | 3.2               | 0.5               | 7.9      | 17.6    |
| Roane                          | 6.9           | .        | 1.7   | ...               | 2.4               | 2.9   | 28.8        | 1.2      | 7.9               |                   | 8.2      | 11.5    |
| Robertson                      | 3.5           |          |       | ...               | 1.5               | 2.0   | 17.2        | ...      | ...               |                   | 6.8      | 10.3    |
| Rutherford                     | 2.6           | .        | ..    | 0.8               | 0.4               | 1.4   | 6.6         | ...      | ...               | 0.7               | 1.0      | 4.9     |
| Scott                          | 16.9          | 0.9      | 1.1   | 0.2               | 4.0               | 10.7  | 73.4        | 5.0      | 8.7               | 1.2               | 11.7     | 46.9    |
| Sequatchie                     | 3.8           | 0.5      | 1.6   | 0.1               | 0.7               | 0.9   | 10.3        | 1.7      | 3.9               | 0.4               | 2.3      | 2.0     |
| Sevier                         | 4.8           | ...      | 0.7   | 0.3               | 1.9               | 1.9   | 22.9        | ...      | 8.9               | 1.6               | 4.3      | 8.1     |
| Shelby                         | 12.7          | ...      | ...   | ...               | 8.8               | 3.8   | 52.6        | ...      |                   | 0.1               | 38.6     | 14.0    |
| Smith                          | 4.0           | ...      | ...   | 0.4               | 1.1               | 2.5   | 15.3        | ...      | ...               | 0.2               | 4.9      | 10.2    |
| Stewart                        | 8.0           | ...      | ...   | ...               | 2.9               | 5.1   | 31.4        | ...      | ...               | -0.1              | 11.3     | 20.2    |
| Sullivan                       | 2.6           | ...      | 0.6   | 0.1               | 0.7               | 1.3   | 14.2        | ...      | 2.7               | ...               | 1.5      | 10.1    |
| Sumner                         | 3.2           | ...      | ...   | 0.2               | 1.4               | 1.6   | 15.4        | ...      | ...               | 0.5               | 5.8      | 9.2     |
| Tipton                         | 4.3           | ...      | ...   | ...               | 2.1               | 2.2   | 17.4        | ...      | ...               | ...               | 8.0      | 9.4     |
| Trousdale                      | 0.8           | ...      | ...   | 0.4               | ...               | 0.4   | 2.2         | ...      | ...               |                   | 0.4      | 1.7     |
| Unicoi                         | 6.5           | ...      | 1.7   | 0.1               | 2.1               | 2.6   | 30.2        | .        | 12.7              | 0.4               | 7.0      | 10.1    |
| Union                          | 3.2           | ...      | -0.3  | 0.1               | 1.5               | 1.8   | 13.5        | ..       | -0.2              | 1.0               | 4.6      | 8.1     |
| Van Buren                      | 6.7           | 0.3      | 1.5   | 0.2               | 2.1               | 2.6   | 18.5        | 0.2      | 2.7               | 1.1               | 6.9      | 7.6     |
| Warren                         | 4.1           |          | ...   | -0.1              | 0.9               | 3.3   | 17.3        | ...      |                   | -0.3              | 5.2      | 12.4    |
| Washington                     | 2.2           | ...      | 0.3   | 0.1               | 0.9               | 0.8   | 14.5        | ...      | 2.0               | 1.0               | 3.7      | 7.9     |
| Wayne                          | 9.3           | 0.3      | 1.1   | 0.1               | 1.3               | 6.5   | 35.6        | 1.2      | 1.1               | ...               | 3.9      | 29.3    |
| Weakley                        | 3.6           | 0.6      | 0.1   |                   | -0.2              | 3.1   | 16.9        | 1.2      | 0.1               | ...               | -0.2     | 15.7    |
| White                          | 11.1          | 2.0      | 0.1   | 0.1               | 3.5               | 5.4   | 39.3        | 2.1      | 0.3               | 0.3               | 12.2     | 24.4    |
| Williamson                     | 6.5           | ...      | 0.1   | 0.6               | 2.2               | 3.6   | 25.8        | ...      | 0.4               | 1.0               | 10.2     | 14.3    |
| Wilson                         | 1.9           |          | ...   | 0.4               | 0.2               | 1.2   | 6.6         | ...      | ...               | 1.5               | 1.3      | 3.8     |
| All counties                   | 637.4         | 24.6     | 60.7  | 14.5              | 189.1             | 348.5 | 2545.0      | 78.9     | 258.4             | 43.1              | 722.7    | 1441.8  |

\*Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

†Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 19—Average net annual removals of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989**

| County                         | Growing stock |          |       |                   |          |                                | Sawtimber   |                   |                   |         |          |         |
|--------------------------------|---------------|----------|-------|-------------------|----------|--------------------------------|-------------|-------------------|-------------------|---------|----------|---------|
|                                | All species   | softwood |       |                   | Hardwood |                                | All species | softwood          |                   |         | Hardwood |         |
|                                |               | Pine     | Other | Hard <sup>2</sup> | Pine     | Other                          |             | Soft <sup>1</sup> | Hard <sup>2</sup> |         |          |         |
|                                |               |          |       |                   |          |                                |             |                   |                   | Planted | Natural  | Planted |
| ----- Million cubic feet ----- |               |          |       |                   |          | ----- Million board feet ----- |             |                   |                   |         |          |         |
| Anderson                       | 2.5           | ..       | 0.2   | 0.1               | 0.9      | 1.3                            | 5.7         | ...               | 0.9               | ...     | 2.5      | 2.3     |
| Bedford                        | 0.4           | ...      | ...   | 0.1               | 0.1      | 0.3                            | 1.2         | ..                | ...               | ...     | 0.4      | 0.7     |
| Benton                         | 1.9           | 0.1      | 0.6   | ...               | ...      | 1.2                            | 6.3         | 0.4               | 0.9               | ...     | ...      | 5.0     |
| Bledsoe                        | 0.5           | ...      | 0.3   | ...               | ...      | 0.2                            | 1.0         | ...               | 0.6               | ...     | ...      | 0.4     |
| Blount                         | 1.8           | ...      | 0.9   | ...               | 0.2      | 0.7                            | 9.2         | ...               | 4.6               | ...     | 1.2      | 3.4     |
| Bradley                        | 8.0           | ...      | 6.3   | ...               | 0.5      | 1.1                            | 17.6        | ...               | 15.1              | ...     | 0.5      | 2.1     |
| Campbell                       | 2.5           | ...      | 0.2   | ...               | 0.7      | 1.6                            | 10.4        | ...               | 0.9               | ...     | 3.3      | 6.2     |
| Cannon                         | 1.5           | ...      | ...   | ...               | 1.1      | 0.5                            | 6.8         | ...               | .                 | ...     | 5.0      | 1.8     |
| Carroll                        | 0.6           | .        | 0.1   | ...               | ...      | 0.4                            | 2.0         | ...               | 0.2               | ...     | ...      | 1.8     |
| Carter                         | 3.4           | ...      | 0.1   | ...               | 0.8      | 2.5                            | 12.4        | ...               | ..                | ...     | 2.1      | 10.3    |
| Cheatam                        | 2.1           | ...      | ...   | ...               | 0.2      | 1.8                            | 7.6         | ...               | 0.2               | ...     | 0.6      | 6.8     |
| Chester                        | 0.2           | 0.2      | ...   | ...               | ...      | 0.1                            | 0.9         | 0.7               | ...               | ...     | ..       | 0.2     |
| Claibome                       | 2.5           | ...      | 0.5   | ...               | 1.3      | 0.7                            | 11.3        | ...               | 1.6               | ...     | 6.3      | 3.5     |
| Clay                           | 2.3           | ...      | ...   | ...               | 0.1      | 2.2                            | 9.9         | ...               | ...               | ...     | 0.6      | 9.3     |
| Cocke                          | 3.2           | 1.       | 1.7   | 0.1               | 0.5      | 0.9                            | 16.2        | ...               | 10.0              | ...     | 2.3      | 3.9     |
| Coffee                         | 2.5           | ...      | ...   | ...               | 0.4      | 2.1                            | 11.5        | ...               | ...               | ...     | 1.7      | 9.8     |
| Crockett                       | 0.3           | ..       | ...   | ...               | ...      | 0.3                            | 1.6         | ...               | ...               | ...     | ..       | 1.6     |
| Cumberland                     | 5.7           | 0.5      | 0.9   | ...               | 0.7      | 3.5                            | 21.2        | 0.6               | 4.0               | ...     | 2.9      | 13.6    |
| Davidson                       | 2.3           | ..       | ...   | 0.1               | 0.2      | 2.0                            | 9.6         | .                 | ...               | 0.3     | 0.3      | 8.9     |
| Decatur                        | 2.9           | ...      | ...   | ...               | 0.6      | 2.3                            | 12.8        | ...               | ...               | ...     | 2.3      | 10.5    |
| De Kalb                        | 0.3           | ...      | ...   | ...               | 0.2      | 0.2                            | 2.1         | ...               | ...               | ...     | 1.1      | 1.0     |
| Dickson                        | 1.5           | ..       | ...   | ...               | 0.2      | 1.4                            | 6.8         | ...               | ...               | ...     | 0.8      | 6.0     |
| Dyer                           | 0.8           | ...      | ...   | ...               | 0.4      | 0.4                            | 2.8         | ...               | ...               | ...     | 1.5      | 1.3     |
| Fayette                        | 0.9           | ...      | ...   | ...               | ...      | 0.8                            | 2.7         | .                 | ...               | ...     | ...      | 2.7     |
| Fentress                       | 3.4           | .        | 1.6   | 0.1               | 0.5      | 1.2                            | 13.4        | ...               | 5.7               | 0.4     | 1.3      | 6.0     |
| Franklin                       | 5.5           | ...      | ...   | 0.2               | 0.2      | 5.2                            | 27.0        | ...               | ...               | 0.5     | 1.4      | 25.1    |
| Gibson                         | 1.4           | ...      | ...   | ...               | 0.2      | 1.1                            | 6.2         | ...               | ...               | ...     | 0.5      | 5.6     |
| Giles                          | 3.1           | ...      | 0.1   | ...               | 1.0      | 2.0                            | 10.9        | ...               | 0.3               | ...     | 3.3      | 7.2     |
| Grainger                       | 0.3           | ...      | ...   | 0.1               | ...      | 0.2                            | 1.8         | ...               | ...               | 0.4     | ...      | 1.4     |
| Greene                         | 1.9           | ...      | ...   | ...               | 0.9      | 1.0                            | 10.2        | ...               | ...               | ...     | 6.1      | 4.1     |
| Grundy                         | 5.2           | ...      | 1.0   | ...               | 0.4      | 3.7                            | 15.7        | ...               | 2.3               | ...     | 1.6      | 11.8    |
| Hamblen                        | ...           | ...      | ...   | ...               | ...      | ...                            | .           | ...               | .                 | ...     | ...      | ...     |
| Hamilton                       | 2.2           | 1.6      | 0.4   | ...               | ...      | 0.2                            | 5.9         | 4.4               | 1.1               | ...     | ...      | 0.4     |
| Hancock                        | 2.5           | ...      | ...   | ...               | 2.1      | 0.4                            | 12.9        | ...               | ...               | ...     | 12.9     | ...     |
| Hardeman                       | 4.6           | ...      | 0.1   | 0.2               | 1.9      | 2.4                            | 16.9        | ...               | 0.3               | 1.1     | 7.1      | 8.4     |
| Hardin                         | 6.1           | 1.7      | 1.6   | ...               | 0.5      | 2.3                            | 26.5        | 4.7               | 9.3               | ...     | 2.0      | 10.6    |
| Hawkins                        | 0.4           | ..       | ...   | ...               | 0.4      | ...                            | 2.1         | ...               | ...               | ...     | 2.1      | ...     |
| Haywood                        | 1.3           | ..       | ...   | ...               | 0.2      | 1.1                            | 5.0         | ...               | ..                | ...     | 1.2      | 3.8     |
| Henderson                      | 3.4           | ...      | ...   | 0.1               | 1.6      | 1.7                            | 12.3        | ...               | ...               | ...     | 4.6      | 7.7     |
| Henry                          | 1.6           | ...      | ..    | ...               | 0.9      | 0.7                            | 5.4         | ...               | ...               | ...     | 2.1      | 3.3     |
| Hickman                        | 5.5           | ...      | ...   | 0.1               | 0.9      | 4.5                            | 22.2        | ...               | ..                | 0.3     | 2.8      | 19.1    |
| Houston                        | ...           | ...      | ...   | ...               | ...      | ...                            | ...         | ...               | ...               | ...     | ...      | .       |
| Humphreys                      | 3.2           | ...      | ..    | 0.1               | 0.4      | 2.8                            | 12.8        | ...               | ...               | ...     | 1.6      | 11.3    |
| Jackson                        | 0.7           | ...      | ...   | ...               | ...      | 0.7                            | 4.0         | ...               | ...               | ...     | ...      | 4.0     |
| Jefferson                      | 0.6           | ...      | ...   | 0.4               | 0.2      | ...                            | 1.8         | ...               | ...               | 1.0     | 0.8      | ...     |
| Johnson                        | 0.4           | ...      | ...   | ...               | 0.2      | 0.2                            | 1.9         | ...               | ...               | ...     | 0.6      | 1.2     |
| Knox                           | 2.1           | ..       | 0.8   | ...               | ...      | 1.3                            | 8.2         | ...               | 2.4               | ...     | ...      | 5.8     |
| Lake                           | 2.1           | ...      | ...   | ...               | 1.9      | 0.2                            | 9.8         | ...               | ...               | ...     | 9.2      | 0.7     |

**Table 19—Average net annual removals of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 - Continued**

| County                         | Growing stock |          |         |     |          |                                | Sawtimber   |                   |         |         |          |       |                   |                   |
|--------------------------------|---------------|----------|---------|-----|----------|--------------------------------|-------------|-------------------|---------|---------|----------|-------|-------------------|-------------------|
|                                | All species   | Softwood |         |     | Hardwood |                                | All species | Softwood          |         |         | Hardwood |       |                   |                   |
|                                |               | Planted  | Pine    |     | Other    | Soft <sup>1</sup>              |             | Hard <sup>2</sup> | Planted | Pine    |          | Other | Sort <sup>1</sup> | Hard <sup>2</sup> |
|                                |               |          | Natural |     |          |                                |             |                   |         | Natural |          |       |                   |                   |
| ----- Million cubic feet ----- |               |          |         |     |          | ----- Million board feet ----- |             |                   |         |         |          |       |                   |                   |
| Lauderdale                     | 0.3           | ...      | ...     | ... | 0.3      | ...                            | 1.0         | ...               | .       | ...     | 1.0      | ...   |                   |                   |
| Lawrence                       | 5.4           | ...      | 0.5     | ... | 1.3      | 3.5                            | 21.1        | ...               | 1.1     | ...     | 6.9      | 13.1  |                   |                   |
| Lewis                          | 3.5           | ..       | 0.1     | ... | 0.1      | 3.2                            | 8.3         | ...               | 0.5     | ...     | 0.5      | 7.3   |                   |                   |
| Lincoln                        | 0.7           | ...      | ...     | 0.2 | 0.2      | 0.3                            | 2.0         | ...               | ...     | 0.2     | 0.6      | 1.3   |                   |                   |
| Loudon                         | 1.1           | ...      | 0.2     | 0.2 | 0.1      | 0.6                            | 3.5         | ...               | 0.7     | 0.4     | 0.3      | 2.2   |                   |                   |
| McMinn                         | 1.8           | 0.9      | 0.9     | ... | .        | ...                            | 5.3         | 2.1               | 3.2     | ...     | ...      | ...   |                   |                   |
| McNairy                        | 6.1           | 0.8      | 1.8     | 0.1 | 1.1      | 2.3                            | 23.5        | ...               | 7.8     | 0.4     | 4.7      | 10.6  |                   |                   |
| Macon                          | 0.4           | ...      | ...     | ... | 0.1      | 0.3                            | 1.3         | ..                | ...     | ...     | 0.6      | 0.7   |                   |                   |
| Madison                        | 1.6           | ..       | ...     | ... | 0.5      | 1.2                            | 7.5         | ...               | ...     | ...     | 2.2      | 5.3   |                   |                   |
| Marion                         | 4.0           | ...      | 0.6     | ... | 0.4      | 2.9                            | 15.6        | ...               | ...     | ...     | 1.5      | 14.1  |                   |                   |
| Marshall                       | 1.1           | ...      | ...     | 0.2 | 0.2      | 0.6                            | 4.5         | .                 | ..      | 0.3     | 0.8      | 3.4   |                   |                   |
| Maury                          | 2.4           | ...      | ...     | ... | 0.7      | 1.7                            | 10.0        | ...               | ...     | ...     | 2.3      | 7.7   |                   |                   |
| Meigs                          | 0.2           | ...      | ...     | ... | ...      | 0.2                            | ...         | ...               | ...     | .       | ...      | ..    |                   |                   |
| Monroe                         | 7.4           | 1.5      | 3.4     | 0.5 | 0.1      | 2.0                            | 22.5        | 4.3               | 11.2    | 2.1     | .        | 4.9   |                   |                   |
| Montgomery                     | 1.5           | ...      | ...     | ... | 0.1      | 1.4                            | 7.1         | ...               | .       | ...     | 0.4      | 6.7   |                   |                   |
| Moore                          | ...           | ...      | ...     | ... | ...      | ...                            | ...         | ...               | ..      | ...     | ...      | ...   |                   |                   |
| Morgan                         | 3.4           | ...      | 0.4     | ... | 1.7      | 1.3                            | 10.7        | ...               | 1.7     | ...     | 4.5      | 4.6   |                   |                   |
| Obion                          | 3.2           | ...      | ...     | ... | 0.2      | 3.1                            | 15.2        | ...               | ...     | ...     | 0.5      | 14.7  |                   |                   |
| Overton                        | 1.5           | ...      | ...     | ... | 0.2      | 1.3                            | 6.4         | ..                | ...     | ...     | ..       | 6.4   |                   |                   |
| Perry                          | 4.9           | ...      | ...     | ... | 0.8      | 4.1                            | 20.8        | ...               | ...     | ...     | 3.4      | 17.4  |                   |                   |
| Pickett                        | 0.2           | ...      | 0.2     | ... | ...      | ...                            | 0.4         | ...               | 0.4     | ...     | ...      | .     |                   |                   |
| Polk                           | 6.1           | 2.2      | 3.2     | ... | 0.3      | 0.4                            | 20.8        | 3.5               | 15.8    | ...     | 0.8      | 0.7   |                   |                   |
| Putnam                         | 3.1           | ...      | ..      | .   | 1.2      | 1.9                            | 14.2        | ...               | ...     | ...     | 6.1      | 8.2   |                   |                   |
| Rhea                           | 1.7           | ...      | 0.2     | ... | 0.2      | 1.3                            | 4.7         | ...               | 0.8     | ...     | 0.5      | 3.3   |                   |                   |
| Roane                          | 1.5           | 0.3      | 1.2     | ... | ...      | ...                            | 4.7         | 0.6               | 4.1     | ...     | .        | ...   |                   |                   |
| Robertson                      | 2.0           | ...      | ...     | ... | 0.1      | 1.8                            | 9.0         | ...               | ...     | ...     | 0.4      | 8.6   |                   |                   |
| Rutherford                     | 0.3           | ...      | .       | ... | ...      | 0.2                            | 0.7         | ..                | .       | ...     | ...      | 0.7   |                   |                   |
| Scott                          | 5.3           | ...      | 2.3     | 0.1 | 1.4      | 1.6                            | 20.4        | ...               | 9.2     | 0.4     | 5.0      | 5.8   |                   |                   |
| Sequatchie                     | 0.6           | ...      | 0.1     | ... | ...      | 0.4                            | 1.1         | ...               | ...     | ...     | ...      | 1.1   |                   |                   |
| Sevier                         | 0.2           | ...      | 0.1     | ... | ...      | 0.1                            | 0.8         | ..                | 0.4     | ...     | ...      | 0.4   |                   |                   |
| Shelby                         | ...           | ...      | ...     | ... | ...      | ...                            | ...         | ...               | ...     | ...     | ...      | ...   |                   |                   |
| Smith                          | 0.9           | ...      | ...     | ... | ...      | 0.8                            | 2.1         | ...               | .       | .       | ...      | 2.1   |                   |                   |
| Stewart                        | 4.4           | ...      | ...     | ... | 1.0      | 3.5                            | 22.2        | ...               | ...     | ...     | 4.2      | 18.0  |                   |                   |
| Sullivan                       | 0.1           | ...      | ...     | ... | ...      | 0.1                            | 0.3         | ..                | ...     | ...     | .        | 0.3   |                   |                   |
| Sumner                         | 1.7           | ...      | ...     | ... | 0.7      | 1.0                            | 5.5         | ...               | ...     | ...     | 1.3      | 4.2   |                   |                   |
| Tipton                         | 0.8           | ...      | ...     | ... | ...      | 0.8                            | 4.6         | ...               | ...     | ...     | ...      | 4.6   |                   |                   |
| Trousdale                      | 0.1           | ...      | ...     | ... | 0.1      | 0.1                            | 0.4         | ...               | ...     | ...     | 0.4      | ...   |                   |                   |
| Unicoi                         | 3.0           | ...      | 0.1     | ... | 0.9      | 2.0                            | 8.0         | ...               | ...     | ...     | 3.4      | 4.6   |                   |                   |
| Union                          | 0.1           | ...      | ...     | ... | 0.1      | ...                            | ..          | ...               | ...     | ...     | ...      | ...   |                   |                   |
| Van Buren                      | 1.9           | ...      | 0.4     | ... | 0.4      | 1.1                            | 8.1         | ..                | 0.9     | ...     | 1.8      | 5.4   |                   |                   |
| Warren                         | 2.2           | ...      | ...     | ... | 0.6      | 1.5                            | 9.4         | ...               | ...     | ...     | 3.5      | 5.9   |                   |                   |
| Washington                     | ...           | ...      | ...     | ... | ..       | ...                            | ...         | ...               | ...     | ..      | ...      | ...   |                   |                   |
| Wayne                          | 13.5          | 3.0      | 0.7     | ... | 0.8      | 9.1                            | 38.9        | 7.2               | 2.2     | ...     | 2.6      | 26.9  |                   |                   |
| Weakley                        | 5.2           | 2.7      | .       | .   | 1.2      | 1.4                            | 17.3        | 5.0               | .       | ...     | 4.9      | 7.5   |                   |                   |
| White                          | 3.8           | ...      | 0.1     | ... | 1.1      | 2.6                            | 18.1        | ...               | ...     | ...     | 6.2      | 11.9  |                   |                   |
| Williamson                     | 1.0           | ...      | ...     | 0.1 | 0.2      | 0.7                            | 3.2         | ...               | ...     | 0.6     | 0.3      | 2.2   |                   |                   |
| Wilson                         | 1.5           | ...      | ...     | 0.3 | 0.6      | 0.6                            | 5.7         | ...               | ...     | 0.7     | 2.6      | 2.4   |                   |                   |
| All counties                   | 219.4         | 15.3     | 33.8    | 3.1 | 42.3     | 124.9                          | 829.4       | 33.4              | 120.3   | 9.1     | 171.0    | 495.6 |                   |                   |

<sup>1</sup> Hardwood species with an average specific gravity of 0.50 or less such as gums; yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

\*Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 20—Average net annual growth and average annual removals of growing stock on timberland by species, Tennessee Counties, 1989**

| Species                               | Growth | Removals |
|---------------------------------------|--------|----------|
| <b>----- Million cubic feet -----</b> |        |          |
| Yellow pines                          | 75.4   | 47.7     |
| Eastern white-red pines               | 9.9    | 1.4      |
| Other softwoods                       | 14.5   | 3.1      |
| Total softwoods                       | 99.8   | 52.2     |
| Select white-red oaks                 | 108.9  | 42.1     |
| Other white-red oaks                  | 126.3  | 47.2     |
| Hickory                               | 45.5   | 20.6     |
| Yellow birch                          | 0.2    | 0.9      |
| Hard maple                            | 26.1   | 4.2      |
| <b>Sweetgum</b>                       | 28.7   | 5.4      |
| Ash-walnut-black cherry               | 25.2   | 5.2      |
| Yellow-poplar                         | 82.7   | 20.9     |
| Other hardwoods                       | 94.0   | 20.7     |
| Total hardwoods                       | 537.6  | 167.2    |
| All species                           | 637.4  | 219.4    |

**Table 21—Average net annual growth and average annual removals of sawtimber on timberland by species, Tennessee Counties, 1989**

| Species                               | Growth | Removals |
|---------------------------------------|--------|----------|
| <b>----- Million board feet -----</b> |        |          |
| Yellow pines                          | 286.8  | 146.8    |
| Eastern white-red pines               | 50.5   | 6.9      |
| Other softwoods                       | 43.1   | 9.1      |
| Total softwoods                       | 380.5  | 162.8    |
| Select white-red oaks                 | 475.4  | 179.4    |
| Other white-red oaks                  | 540.1  | 186.7    |
| Hickory                               | 171.1  | 78.9     |
| Yellow birch                          | 0.4    | 3.3      |
| Hard maple                            | 89.9   | 18.3     |
| <b>Sweetgum</b>                       | 108.4  | 20.7     |
| Ash-walnut-black cherry               | 83.9   | 18.0     |
| Yellow-poplar                         | 384.6  | 101.4    |
| Other hardwoods                       | 310.8  | 60.1     |
| Total hardwoods                       | 2164.6 | 666.6    |
| All species                           | 2545.0 | 829.4    |

**Table 22-Average annual mortality of growing stock and sawtimber on timberland by species, Tennessee Counties, 1989**

| Species                                                 | Growing stock | Sawtimber |
|---------------------------------------------------------|---------------|-----------|
| ----- Million cubic feet ----- Million board feet ----- |               |           |
| Yellow pines                                            | 28.2          | 75.6      |
| Eastern white-red pines                                 | 1.2           | 5.4       |
| Other softwoods                                         | 3.4           | 6.4       |
| Total softwoods                                         | 32.8          | 87.4      |
| Select white-red oaks                                   | 16.4          | 44.3      |
| Other white-red oaks                                    | 39.0          | 94.4      |
| Hickory                                                 | 15.6          | 35.9      |
| Hard maple                                              | 1.2           | 1.7       |
| Sweetgum                                                | 5.8           | 19.1      |
| Ash-walnut-black cherry                                 | 4.0           | 6.4       |
| Yellow-poplar                                           | 5.2           | 13.8      |
| Other hardwoods                                         | 26.4          | 56.2      |
| Total hardwoods                                         | 113.6         | 271.7     |
| All species                                             | 146.3         | 359.1     |

**Table 23-Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Tennessee Counties, 1989**

| Ownership class        | Growth      |                                |         |          |                   |                   | Removals    |         |         |          |                   |                   |
|------------------------|-------------|--------------------------------|---------|----------|-------------------|-------------------|-------------|---------|---------|----------|-------------------|-------------------|
|                        | Softwood    |                                |         | Hardwood |                   |                   | Softwood    |         |         | Hardwood |                   |                   |
|                        | All species | Pine                           |         | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> | All species | Pine    |         | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                        |             | Planted                        | Natural |          |                   |                   |             | Planted | Natural |          |                   |                   |
|                        |             | ----- Million cubic feet ----- |         |          |                   |                   |             |         |         |          |                   |                   |
| National forest        | 24.4        | ...                            | 5.3     | 0.3      | 8.1               | 10.7              | 14.3        | ...     | 5.0     | 0.4      | 2.6               | 6.3               |
| Other public           | 36.4        | 0.9                            | 2.7     | 1.3      | 10.4              | 21.2              | 4.5         | 0.3     | 0.3     | 0.1      | 1.3               | 2.5               |
| Forest industry        | 52.5        | 12.9                           | 6.6     | 1.2      | 8.5               | 23.1              | 28.9        | 3.6     | 4.1     | 0.2      | 3.4               | 17.6              |
| Forest industry-leased | 2.8         | 0.2                            | ...     | ...      | 0.8               | 1.8               | 0.5         | ...     | ...     | ...      | 0.1               | 0.5               |
| Other private          | 521.2       | 10.5                           | 46.0    | 11.7     | 161.3             | 291.8             | 171.2       | 11.4    | 24.4    | 2.4      | 35.0              | 98.0              |
| All ownerships         | 637.4       | 24.6                           | 60.7    | 14.5     | 189.1             | 348.5             | 219.4       | 15.3    | 33.8    | 3.1      | 42.3              | 124.9             |

<sup>1</sup>Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

<sup>2</sup>Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 24-Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Tennessee Counties, 1989**

| Ownership class                | Growth      |         |         |          |                   |                   | Removals    |         |         |          |                   |                   |
|--------------------------------|-------------|---------|---------|----------|-------------------|-------------------|-------------|---------|---------|----------|-------------------|-------------------|
|                                | Softwood    |         |         | Hardwood |                   |                   | Softwood    |         |         | Hardwood |                   |                   |
|                                | All species | Pine    |         | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> | All species | Pine    |         | Other    | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted | Natural |          |                   |                   |             | Planted | Natural |          |                   |                   |
| ----- Million board feet ----- |             |         |         |          |                   |                   |             |         |         |          |                   |                   |
| National forest                | 120.4       | ...     | 32.1    | 1.0      | 32.6              | 54.6              | 51.9        | .       | 20.1    | 2.1      | 10.2              | 19.5              |
| Other public                   | 154.6       | 1.8     | 12.6    | 4.9      | 41.5              | 93.8              | 16.2        | 0.6     | 1.4     | 0.4      | 3.5               | 10.3              |
| Forest industry                | 151.6       | 19.9    | 15.1    | 5.6      | 26.1              | 85.0              | 87.3        | 7.1     | 13.3    | 1.2      | 10.9              | 54.9              |
| Forest industry-leased         | 11.6        | 0.8     |         | ...      | 2.4               | 8.3               | 2.6         | ...     | ...     | .        | 0.3               | 2.4               |
| Other private                  | 2106.8      | 56.4    | 198.6   | 31.6     | 620.1             | 1200.0            | 671.4       | 25.7    | 85.6    | 5.3      | 146.2             | 408.6             |
| All ownerships                 | 2545.0      | 78.9    | 258.4   | 43.1     | 722.7             | 1441.8            | 829.4       | 33.4    | 120.3   | 9.1      | 171.0             | 495.6             |

\*Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

<sup>2</sup>Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

**Table 25—Volume of sawtimber on timberland by species and tree grade, Tennessee Counties, 1989**

| Species                               | All grades    | Grade 1 | Grade 2 | Grade 3        | Grade 4       | Grade 5 |
|---------------------------------------|---------------|---------|---------|----------------|---------------|---------|
| <i>----- Million board feet -----</i> |               |         |         |                |               |         |
| Yellow pines                          | 7055.1        | 735.3   | 777.7   | 5428.4         |               | 113.6   |
| Cypress                               | 414.0         | 97.0    | 108.2   | 204.9          | ...           | 4.0     |
| <b>Redcedar</b>                       | 369.2         | 337.1   | ...     |                |               | 32.1    |
| Other softwoods                       | 1777.0        | 219.8   | 463.4   | 1017.0         | 19.2          | 57.7    |
| Total softwoods                       | <b>9615.4</b> | 1389.2  | 1349.3  | 6650.3         | 19.2          | 207.4   |
| Select white-red oaks                 | 9964.1        | 1073.0  | 2204.3  | 4337.4         | 1845.6        | 503.7   |
| Other white-red oaks                  | 12044.3       | 988.2   | 2091.6  | 5413.1         | 2811.3        | 740.1   |
| Hickory                               | 4545.2        | 271.2   | 831.9   | 2223.6         | 939.9         | 278.7   |
| Yellow birch                          | 10.8          | ...     | ...     | 7.0            | 3.8           | ...     |
| Hard maple                            | 1360.5        | 42.6    | 167.1   | 636.1          | 401.2         | 113.6   |
| <b>Sweetgum</b>                       | 1787.9        | 1725    | 356.1   | 849.8          | 282.5         | 127.1   |
| Tupelo and blackgum                   | 723.1         | 60.0    | 103.8   | 307.5          | 145.9         | 105.9   |
| Ash-walnut-black cherry               | 1677.6        | 183.5   | 430.7   | 702.6          | 207.5         | 153.4   |
| Yellow-poplar                         | 6687.0        | 999.2   | 1395.6  | 2642.7         | 1339.9        | 309.6   |
| Other hardwoods                       | 5197.8        | 386.7   | 606.4   | 1810.5         | 1678.4        | 715.7   |
| Total hardwoods                       | 43998.2       | 4176.9  | 8187.4  | 18930.3        | <b>9655.9</b> | 3047.7  |
| All species                           | 53613.6       | 5566.1  | 9536.8  | <b>25580.5</b> | 9675.0        | 3255.1  |

## Supplemental Tables 26-47

**Table 26—Area of timberland by stand age, forest type group and type of regeneration, Tennessee Counties, 1989**

| Stand age class                   | Pine       |         | Oak-pine   |         | Other hardwood types |         |
|-----------------------------------|------------|---------|------------|---------|----------------------|---------|
|                                   | Artificial | Natural | Artificial | Natural | Artificial           | Natural |
| <i>----- Thousand acres -----</i> |            |         |            |         |                      |         |
| 1-10                              | 87.1       | 24.7    | 28.6       | 41.4    | 35.9                 | 132.2   |
| 11-20                             | 77.5       | 30.3    | 22.4       | 10.7    | 6.7                  | 41.7    |
| 21-30                             | 57.0       | 10.7    | 9.5        | ...     | 5.8                  | 22.0    |
| 31-40                             | 57.3       | 23.1    | ...        | ...     | 5.9                  | ...     |
| 41-50                             | 8.6        | 5.8     | 5.9        | ...     | ...                  | ...     |
| <b>&gt; 50</b>                    | 6.2        | 3.6     | 5.8        | ...     | ...                  | 6.1     |
| Mixed                             | 63.3       | 942.6   | 28.3       | 1438.9  | 6.6                  | 10007.3 |
| Total                             | 357.0      | 1040.7  | 100.5      | 1491.0  | 60.9                 | 10209.3 |

Table 27 — Volume of softwood growing stock on timberland by county and forest type group, Tennessee Counties, 1989

| County                         | Total | Forest type group      |                                         |         |               |                 |                     |                        |                           |
|--------------------------------|-------|------------------------|-----------------------------------------|---------|---------------|-----------------|---------------------|------------------------|---------------------------|
|                                |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak-'<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                                |       |                        | Planted                                 | Natural |               |                 |                     |                        |                           |
| ----- Million cubic feet ----- |       |                        |                                         |         |               |                 |                     |                        |                           |
| Anderson                       | 39.4  | ...                    | ...                                     | 16.9    | 8.9           | 13.6            | ...                 | ...                    | ...                       |
| Bedford                        | 4.4   | ...                    |                                         | 3.5     | 0.5           | ...             | 0.4                 | ...                    | ...                       |
| Benton                         | 14.5  | ...                    | 12.0                                    | ...     | 2.0           | 0.4             | ...                 | ...                    | ...                       |
| Bledsoe                        | 70.0  | ...                    | 19.2                                    | 28.3    | 12.6          | 9.9             | ...                 | ...                    | ...                       |
| Blount                         | 41.7  | 6.1                    | 6.8                                     | 7.7     | 15.7          | 5.4             | ...                 | ...                    | ...                       |
| Bradley                        | 52.2  | .                      | .                                       | 48.2    | ...           | 4.0             | ...                 | ...                    | ...                       |
| Campbell                       | 56.4  | ...                    | ...                                     | 25.1    | 21.9          | 9.3             | ...                 | ...                    | ...                       |
| Cannon                         | 9.1   | ...                    | ...                                     | 2.8     | 5.5           | 0.8             | ...                 | ...                    | ...                       |
| Carroll                        | 18.7  | ..                     | 7.1                                     | .       | 5.7           | 5.9             | ...                 | ...                    | ...                       |
| Carter                         | 42.0  | ...                    | .                                       | 4.1     | 20.1          | 16.8            | ...                 | ...                    | 1.0                       |
| Cheatam                        | 5.2   | ..                     | .                                       | .       | ..            | 5.2             | ...                 | ...                    | ...                       |
| Chester                        | 30.6  |                        | 9.5                                     | 2.0     | 16.4          | 2.8             | ...                 | ...                    | ...                       |
| Claiborne                      | 11.5  |                        | ...                                     | 2.2     | 5.9           | 3.4             | ...                 | ...                    | ...                       |
| Clay                           | 3.4   | .                      | ...                                     | .       | 1.2           | 2.3             | ...                 | ...                    | ...                       |
| Cocke                          | 47.6  | .                      | ...                                     | 19.2    | 14.5          | 13.9            | ...                 | ...                    | ...                       |
| Coffee                         | ...   |                        | ...                                     |         | ...           | ...             | ...                 | ...                    | ...                       |
| Crockett                       | ...   |                        | ...                                     |         | ...           | ...             | ...                 | ...                    | ...                       |
| Cumberland                     | 123.1 | 8.9                    | 9.5                                     | 38.1    | 36.9          | 29.7            | ...                 | ...                    | ...                       |
| Davidson                       | 4.4   | ...                    | .                                       | ...     | 1.3           | 3.1             | ...                 | ...                    | ...                       |
| Decatur                        | 24.7  | ...                    | 17.8                                    |         | 3.3           | 3.6             | ...                 | ...                    | ...                       |
| De Kalb                        | 13.6  | ...                    |                                         | 5.3     | 8.0           | 0.3             | ...                 | ...                    | ...                       |
| Dickson                        | 1.2   | ...                    |                                         | ...     | 1.2           | .               | ...                 | ...                    | ...                       |
| Dyer                           | ...   | ...                    |                                         | ...     |               | ...             | ...                 | ...                    | ...                       |
| Fayette                        | 20.7  | ...                    | .                                       | 14.3    | 2.7           | 3.7             | ...                 | ...                    | ...                       |
| Fentress                       | 128.4 | ..                     | 10.5                                    | 48.9    | 35.3          | 33.7            | .                   | ...                    | ...                       |
| Franklin                       | 4.4   | ...                    | ...                                     | ..      | 2.5           | 1.9             | ...                 | ...                    | ...                       |
| Gibson                         | .     |                        | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Giles                          | 5.1   | 3.5                    | ...                                     | 0.2     | .             | 1.4             | .                   | ...                    | ...                       |
| Grainger                       | 18.2  | .                      | ...                                     |         | 8.4           | 9.8             | ..                  | ...                    | ...                       |
| Greene                         | 41.6  |                        | .                                       | 20.3    | 14.1          | 7.2             | .                   | ...                    | ...                       |
| Grundy                         | 31.9  | ..                     | ...                                     | 21.3    | 2.4           | 8.1             | ...                 | ...                    | ...                       |
| Hamblen                        | 21.1  | .                      | ...                                     | 17.1    | 3.6           | 0.5             |                     | ...                    | ...                       |
| Hamilton                       | 92.0  | .                      | 14.0                                    | 29.5    | 31.0          | 17.5            | ...                 | ...                    | ...                       |
| Hancock                        | 3.6   |                        | ...                                     | ...     | 2.2           | 1.5             |                     | ...                    | ...                       |
| Hardeman                       | 58.6  |                        | 26.7                                    | 15.4    | 7.6           | 6.9             | 2.1                 | ...                    | ...                       |
| Hardin                         | 66.0  |                        | 21.9                                    | 14.7    | 20.6          | 7.8             | 1.0                 | ...                    | ...                       |
| Hawkins                        | 27.8  | ..                     | .                                       | 9.4     | 13.9          | 4.5             |                     | ...                    | ...                       |
| Haywood                        | ...   | ...                    |                                         | .       | ...           |                 | ..                  | ...                    | ...                       |
| Henderson                      | 39.5  | ...                    | 26.9                                    | 10.7    | 1.3           | 0.3             | 0.2                 | ...                    | ...                       |
| Henry                          | 2.9   |                        | 2.2                                     | ..      | ...           | 0.6             | ...                 | ...                    | ...                       |
| Hickman                        | 13.7  | ...                    | 8.9                                     | ...     |               | 4.8             | ...                 | ...                    | ...                       |
| Houston                        | 0.5   | ..                     | ...                                     |         | .             | 0.5             | ..                  | ...                    | ...                       |
| Humphreys                      | 3.5   | ...                    | ...                                     |         |               | 3.5             | ...                 | ...                    | ...                       |
| Jackson                        | 10.2  | ...                    | ...                                     |         | 9.1           | 1.1             | ...                 | ...                    | ...                       |
| Jefferson                      | 15.5  | ...                    | 12.9                                    | ..      | 0.8           | 1.8             |                     | ...                    | ...                       |
| Johnson                        | 30.2  | ...                    | ...                                     | ...     | 13.7          | 16.1            |                     | ...                    | 0.4                       |
| Knox                           | 39.7  | ...                    |                                         | 10.3    | 21.9          | 7.5             |                     | ...                    | ...                       |
| Lake                           | 38.8  | ...                    | ...                                     |         | ...           |                 | 38.8                | ...                    | ...                       |
| Lauderdale                     | 20.0  | ...                    | ...                                     | ...     | ...           |                 | 16.6                | 3.4                    | ...                       |
| Lawrence                       | ...   | ...                    | ...                                     |         | ...           | ...             | ...                 | ...                    | ...                       |
| Lewis                          | 1.6   | ...                    | ...                                     |         |               | 1.6             | ...                 | ...                    | ...                       |
| Lincoln                        | 9.7   | ...                    | ...                                     | 7.1     | 1.1           | 1.6             |                     | ...                    | ...                       |
| Loudon                         | 43.3  | ...                    | 17.1                                    | 19.1    | 7.0           | ...             | .                   | ...                    | ...                       |
| McMinn                         | 107.9 | ...                    | 32.6                                    | 58.7    | 11.3          | 5.4             | ...                 | ...                    | ...                       |
| McNairy                        | 78.5  |                        | 3.8                                     | 54.7    | 15.7          | 3.7             | 0.6                 | ...                    | ...                       |
| Macon                          | 0.3   | .                      |                                         | ...     | .             | 0.3             | ...                 | ...                    | ...                       |
| Madison                        | 8.1   | ...                    | ..                                      | 3.2     | 2.3           | 1.8             | 0.8                 | ...                    | ...                       |
| Marion                         | 41.1  | .                      | 0.9                                     | ...     | 18.4          | 21.8            | ...                 | ...                    | ...                       |
| Marshall                       | 5.9   |                        |                                         | 2.4     | 1.5           | 2.0             | ...                 | ...                    | ...                       |
| Maury                          | 0.5   | .                      | ...                                     | 0.3     |               | 0.2             | ...                 | ...                    | ...                       |
| Meigs                          | 55.5  | ..                     | 32.0                                    | ...     | 15.2          | 8.2             | ...                 | ...                    | ...                       |
| Monroe                         | 201.5 | 11.1                   |                                         | 105.4   | 53.7          | 30.9            |                     | ...                    | 0.4                       |
| Montgomery                     | 8.4   | ...                    | ...                                     |         | 4.8           | 3.6             | .                   | ...                    | ...                       |
| Moore                          | 2.7   | ...                    | ...                                     |         | ...           | 2.7             | ...                 | ...                    | ...                       |
| Morgan                         | 89.5  | ...                    | 1.2                                     | ..      | 57.1          | 31.2            |                     | ...                    | ...                       |
| Obion                          | 12.9  | .                      |                                         | .       | ...           |                 | 12.9                | ...                    | ...                       |
| Overton                        | 31.5  |                        | ...                                     | 15.4    | 9.5           | 6.6             | ...                 | ...                    | ...                       |

**Table 27 – Volume of softwood growing stock on timberland by county and forest type group, Tennessee Counties, 1989 - Continued**

| County                         | Total  | Forest type group      |                                         |         |                           |                 |                     |                        |                           |
|--------------------------------|--------|------------------------|-----------------------------------------|---------|---------------------------|-----------------|---------------------|------------------------|---------------------------|
|                                |        | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak- <sup>2</sup><br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                                |        |                        | Planted                                 | Natural |                           |                 |                     |                        |                           |
| ----- Million cubic feet ----- |        |                        |                                         |         |                           |                 |                     |                        |                           |
| Perry                          | 7.4    | ...                    |                                         | 2.9     | 0.4                       | 4.2             | ...                 | ...                    | ...                       |
| Pickett                        | 7.0    | ...                    | ...                                     | ...     | ..                        | 7.0             |                     | ...                    | ...                       |
| Polk                           | 197.9  | 34.0                   | ...                                     | 117.6   | 34.2                      | 10.4            | ..                  | ...                    | 1.7                       |
| Putnam                         | 18.9   | ...                    | ...                                     | ...     | 12.6                      | 6.2             |                     | ...                    | ...                       |
| Rhea                           | 44.1   | ...                    | 11.4                                    | 2.2     | 26.0                      | 4.6             |                     | ...                    | ...                       |
| Roane                          | 46.1   | ...                    | 8.3                                     | 11.8    | 16.6                      | 9.2             |                     | ...                    | ...                       |
| Robertson                      | 0.4    | ...                    | ...                                     | ...     | ...                       | 0.4             | .                   | ...                    | ...                       |
| Rutherford                     | 11.7   | ...                    | ...                                     | 7.3     | 3.8                       | 0.7             |                     | ...                    | ...                       |
| Scott                          | 107.1  | 16.9                   | ...                                     | 18.4    | 35.2                      | 36.6            | ...                 | ...                    | ...                       |
| Sequatchie                     | 54.1   | 6.0                    | 2.1                                     | 30.9    | ...                       | 15.0            |                     | ...                    | ...                       |
| Sevier                         | 69.1   | ...                    | ...                                     | 14.4    | 45.8                      | 8.9             |                     | ...                    | ...                       |
| Shelby                         | 1.7    | ...                    | ...                                     | ...     | ...                       | 0.4             | 1.3                 | ...                    | ...                       |
| Smith                          | 4.2    | ...                    | ...                                     | ...     | 1.4                       | 2.8             | ...                 | ...                    | ...                       |
| Stewart                        | 6.2    | ...                    | ...                                     | 5.4     | ...                       | 0.8             | ...                 | ...                    | ...                       |
| Sullivan                       | 33.2   | 13.2                   | ...                                     | 5.7     | 9.6                       | 4.7             |                     | ...                    | ...                       |
| Sumner                         | 3.6    | ...                    | ...                                     | 3.6     | ...                       | .               |                     | ...                    | ...                       |
| Tipton                         | ...    | ...                    |                                         | ...     | ...                       | ...             |                     | ...                    | ...                       |
| Trousdale                      | 4.8    | ...                    | ...                                     | ...     | 3.1                       | 1.7             |                     | ...                    | ...                       |
| Unicoi                         | 46.5   | 13.1                   | ...                                     | ...     | 18.8                      | 14.6            | ...                 | ...                    | ...                       |
| Union                          | 23.2   | ...                    | ...                                     | 2.0     | 17.3                      | 4.0             |                     | ...                    | ...                       |
| Van Buren                      | 42.2   | 7.8                    | 2.7                                     | 18.4    | 7.4                       | 5.9             | ...                 | ...                    | ...                       |
| Warren                         |        | ...                    | ...                                     | ...     | ...                       | ..              |                     | ...                    | ...                       |
| Washington                     | 20.3   | ...                    | ...                                     | ...     | 8.6                       | 11.7            | ..                  | ...                    | ...                       |
| Wayne                          | 23.0   | ...                    | 5.1                                     | 6.9     | 3.2                       | 7.9             | .                   | ...                    | ...                       |
| Weakley                        | 20.8   | ...                    | 16.0                                    | ...     | ...                       | 0.9             | 3.8                 | ...                    | ...                       |
| White                          | 26.0   | ...                    | 21.4                                    | ...     | 3.4                       | 1.2             |                     | ...                    | ...                       |
| Williamson                     | 14.6   | ...                    | ...                                     | 6.4     | 6.0                       | 2.2             | ...                 | ...                    | ...                       |
| Wilson                         | 14.7   |                        |                                         | 3.2     | 10.4                      | 1.0             |                     | ...                    | ...                       |
| All counties                   | 2895.3 | 120.6                  | 360.5                                   | 938.8   | 834.2                     | 555.6           | 78.6                | 3.4                    | 3.5                       |

<sup>1</sup>Includes redcedar forest type.

<sup>2</sup>Includes redcedar-hardwood type.

**Table 28 – Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989**

| County                         | Total | Forest type group      |                                         |         |               |                 |                     |                        |                     |
|--------------------------------|-------|------------------------|-----------------------------------------|---------|---------------|-----------------|---------------------|------------------------|---------------------|
|                                |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak-*<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>; ; ; ; - |
|                                |       |                        | Planted                                 | Natural |               |                 |                     |                        |                     |
| ----- Million cubic feet ----- |       |                        |                                         |         |               |                 |                     |                        |                     |
| Anderson                       | 159.8 | ...                    | ...                                     | 4.2     | 5.0           | 143.0           | ...                 | ...                    | 7.6                 |
| Bedford                        | 46.4  | ...                    | ...                                     | 1.9     | 0.2           | 39.1            | 5.2                 | ...                    | ...                 |
| Benton                         | 161.4 | ...                    | 0.4                                     | ...     | 1.9           | 157.5           | 1.6                 | ...                    | ...                 |
| Bledsoe                        | 117.6 | ...                    | 0.8                                     | 2.9     | 14.8          | 99.1            | ...                 | ...                    | ...                 |
| Blount                         | 69.2  | 3.0                    | 0.5                                     | 0.8     | 15.4          | 49.6            | ...                 | ...                    | ...                 |
| Bradley                        | 61.7  | ...                    | ...                                     | 8.2     | 0.3           | 53.1            | ...                 | ...                    | ...                 |
| Campbell                       | 297.6 | ...                    | ...                                     | 5.9     | 14.9          | 276.9           | ...                 | ...                    | ...                 |
| Cannon                         | 83.1  | ...                    | ...                                     | 2.0     | 9.1           | 72.0            | ...                 | ...                    | ...                 |
| Carroll                        | 233.7 | ...                    | 1.1                                     | ...     | 6.8           | 170.9           | 54.9                | ...                    | ...                 |
| Carter                         | 235.6 | ...                    | ...                                     | 1.0     | 12.7          | 208.2           | ...                 | ...                    | 13.7                |
| Cheatam                        | 140.5 | ...                    | ...                                     | ...     | ...           | 140.5           | ...                 | ...                    | ...                 |
| Chester                        | 73.4  | ...                    | 0.8                                     | 0.4     | 17.5          | 50.4            | 3.9                 | 0.3                    | ...                 |
| Claibome                       | 184.8 | ...                    | ...                                     | 0.6     | 6.5           | 158.2           | ...                 | ...                    | 19.4                |
| Clay                           | 85.2  | ...                    | ...                                     | ...     | 2.7           | 82.5            | ...                 | ...                    | ...                 |
| Cocke                          | 190.4 | ...                    | ...                                     | 6.2     | 18.0          | 158.0           | 8.2                 | ...                    | ...                 |
| Coffee                         | 154.3 | ...                    | ...                                     | ...     | ...           | 147.1           | 7.3                 | ...                    | ...                 |
| Crockett                       | 33.0  | ...                    | ...                                     | ...     | ...           | 33.0            | ...                 | ...                    | ...                 |
| Cumberland                     | 295.2 | 5.0                    | 0.5                                     | 5.2     | 39.7          | 244.9           | ...                 | ...                    | ...                 |
| Davidson                       | 110.0 | ...                    | ...                                     | ...     | 4.1           | 105.9           | ...                 | ...                    | ...                 |
| Decatur                        | 181.8 | ...                    | 6.7                                     | ...     | 4.5           | 161.4           | 9.2                 | ...                    | ...                 |
| De Kalb                        | 153.2 | ...                    | ...                                     | 1.6     | 10.8          | 124.3           | 16.5                | ...                    | ...                 |
| Dickson                        | 215.6 | ...                    | ...                                     | ...     | 3.6           | 212.1           | ...                 | ...                    | ...                 |
| Dyer                           | 51.5  | ...                    | ...                                     | ..      | ...           | 16.1            | 35.4                | ...                    | ...                 |
| Fayette                        | 180.9 | ...                    | ...                                     | 6.8     | 7.8           | 138.6           | 27.8                | ...                    | ...                 |

Table 28 — Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989 - Continued

| County                         | Total | Forest type group      |                                         |         |                           |                 |                     |                        |                               |
|--------------------------------|-------|------------------------|-----------------------------------------|---------|---------------------------|-----------------|---------------------|------------------------|-------------------------------|
|                                |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak- <sup>2</sup><br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>. . birch |
|                                |       |                        | Planted                                 | Natural |                           |                 |                     |                        |                               |
| ----- Million cubic feet ----- |       |                        |                                         |         |                           |                 |                     |                        |                               |
| Fentress                       | 235.1 | ...                    | ...                                     | 7.5     | 39.9                      | 187.7           | ...                 | ...                    | ...                           |
| Franklin                       | 171.4 | ...                    | ...                                     | ...     | 3.0                       | 168.4           | ...                 | ...                    | ...                           |
| Gibson                         | 47.0  | ...                    | ...                                     | ...     | ..                        | 47.0            | ..                  | ...                    | ...                           |
| Giles                          | 146.3 | 2.6                    | ...                                     | ...     | ...                       | 141.5           | 2.2                 | ...                    | ...                           |
| Grainger                       | 138.0 | ...                    | ...                                     | ...     | 10.2                      | 127.8           | ...                 | ...                    | ...                           |
| Greene                         | 205.2 | ...                    | ...                                     | 8.6     | 16.3                      | 162.2           | ...                 | ...                    | 18.1                          |
| Grundy                         | 162.5 | ...                    | ...                                     | 4.7     | 6.3                       | 151.5           | ...                 | ...                    | ...                           |
| Hamblen                        | 49.2  | ...                    | ...                                     | 2.6     | 7.6                       | 39.0            | ...                 | ...                    | ...                           |
| Hamilton                       | 156.8 | ...                    | 5.0                                     | 5.6     | 17.0                      | 128.7           | 0.5                 | ...                    | ...                           |
| Hancock                        | 61.6  | ...                    | ...                                     | ...     | 2.1                       | 53.5            | ..                  | ...                    | 6.0                           |
| Hardeman                       | 239.1 | ...                    | 1.4                                     | 2.1     | 11.6                      | 176.9           | 47.1                | ...                    | ...                           |
| Hardin                         | 192.4 | ...                    | 2.2                                     | 4.6     | 21.9                      | 115.4           | 48.2                | ...                    | ...                           |
| Hawkins                        | 164.1 | ...                    | ...                                     | ...     | 17.6                      | 136.5           | ..                  | ...                    | 10.0                          |
| Haywood                        | 122.5 | ...                    | ...                                     | ...     | ...                       | 9.7             | 112.8               | ...                    | ...                           |
| Henderson                      | 175.0 | ...                    | 3.5                                     | 10.0    | 3.8                       | 115.8           | 41.9                | ...                    | ...                           |
| Henry                          | 228.2 | ...                    | 0.6                                     | ...     | ...                       | 160.0           | 67.5                | ...                    | ...                           |
| Hickman                        | 332.0 | ...                    | 0.4                                     | ...     | ...                       | 331.6           | ...                 | ...                    | ...                           |
| Houston                        | 113.4 | ...                    | ...                                     | ...     | ...                       | 113.4           | ...                 | ...                    | ...                           |
| Humphreys                      | 268.8 | ...                    | ...                                     | ...     | ...                       | 268.8           | ...                 | ...                    | ...                           |
| Jackson                        | 156.4 | ...                    | ...                                     | ...     | 11.1                      | 145.2           | ...                 | ...                    | ...                           |
| Jefferson                      | 82.7  | ...                    | 7.3                                     | ...     | 2.0                       | 73.4            | ...                 | ...                    | ...                           |
| Johnson                        | 162.9 | ...                    | ...                                     | ...     | 21.9                      | 120.6           | ...                 | ..                     | 20.4                          |
| Knox                           | 129.9 | ...                    | ...                                     | 1.2     | 17.2                      | 111.5           | ...                 | ...                    | ...                           |
| Lake                           | 33.2  | ...                    | ...                                     | ...     | ...                       | ...             | 33.2                | ...                    | ...                           |
| Lauderdale                     | 114.2 | ...                    | ...                                     | ...     | ...                       | 33.3            | so.7                | 30.2                   | ...                           |
| Lawrence                       | 173.3 | ...                    | ...                                     | ...     | ...                       | 162.0           | 11.3                | ...                    | ..                            |
| Lewis                          | 163.2 | ...                    | ...                                     | ...     | ...                       | 147.9           | 15.3                | ...                    | ...                           |
| Lincoln                        | 104.4 | ...                    | ...                                     | 4.1     | 3.7                       | 88.5            | 8.1                 | ...                    | ...                           |
| Loudon                         | 54.2  | ...                    | ...                                     | 2.3     | 7.4                       | 44.1            | ...                 | ...                    | 0.5                           |
| McMinn                         | 107.1 | ...                    | 7.2                                     | 15.2    | 9.8                       | 67.1            | 7.7                 | ...                    | ...                           |
| McNairy                        | 154.7 | ...                    | 0.3                                     | 10.6    | 20.9                      | 98.2            | 24.7                | ...                    | ...                           |
| Macon                          | 104.9 | ...                    | ...                                     | ...     | ...                       | 104.9           | ...                 | ...                    | ...                           |
| Madison                        | 201.1 | ...                    | ...                                     | 0.7     | 8.8                       | 115.6           | 76.0                | ...                    | ...                           |
| Marion                         | 224.3 | ...                    | ...                                     | ...     | 18.3                      | 202.1           | 3.9                 | ...                    | ..                            |
| Marshall                       | 45.7  | ...                    | ...                                     | 1.3     | 6.8                       | 37.6            | ...                 | ...                    | ...                           |
| Maury                          | 107.8 | ...                    | ...                                     | ...     | 1.5                       | 106.3           | ...                 | ...                    | ...                           |
| Meigs                          | 71.1  | ...                    | 3.7                                     | ...     | 17.3                      | so.1            | ..                  | ...                    | ...                           |
| Monroe                         | 275.9 | 1.5                    | ..                                      | 23.2    | 47.1                      | 173.0           | ...                 | ...                    | 31.0                          |
| Montgomery                     | 134.6 | ...                    | ...                                     | ...     | 8.4                       | 126.3           | ...                 | ..                     | ...                           |
| Moore                          | 52.6  | ...                    | ..                                      | ...     | ...                       | 52.6            | ...                 | ...                    | ...                           |
| Morgan                         | 279.2 | ...                    | ...                                     | ...     | 59.5                      | 219.7           | ...                 | ...                    | ...                           |
| Obion                          | 128.5 | ...                    | ...                                     | ...     | ...                       | 71.1            | 57.4                | ...                    | ...                           |
| Overton                        | 259.9 | ...                    | ...                                     | 2.2     | 12.7                      | 245.0           | ...                 | ...                    | ...                           |
| Perry                          | 240.5 | ...                    | ...                                     | 1.8     | 2.2                       | 232.0           | 4.5                 | ...                    | ...                           |
| Pickett                        | 85.9  | ...                    | ...                                     | ...     | ..                        | 85.9            | ...                 | ...                    | ...                           |
| Polk                           | 128.2 | 12.8                   | ...                                     | 28.0    | 26.3                      | 56.4            | ...                 | ...                    | 4.7                           |
| Putnam                         | 183.9 | ...                    | ...                                     | 0.3     | 7.6                       | 176.0           | ..                  | ...                    | ...                           |
| Rhea                           | 136.0 | ..                     | 0.4                                     | ...     | 19.4                      | 116.3           | ...                 | ...                    | ...                           |

Table 28 — Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989 - Continued

| County       | Total   | Forest type group              |                                         |         |                           |                 |                     |                        |                           |       |   |      |   |       |
|--------------|---------|--------------------------------|-----------------------------------------|---------|---------------------------|-----------------|---------------------|------------------------|---------------------------|-------|---|------|---|-------|
|              |         | White-red<br>jack pine         | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak- <sup>2</sup><br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |       |   |      |   |       |
|              |         |                                | Planted                                 | Natural |                           |                 |                     |                        |                           |       |   |      |   |       |
|              |         | ----- Million cubic feet ----- |                                         |         |                           |                 |                     |                        |                           |       |   |      |   |       |
| Roane        | 182.7   | .                              | .                                       | .       | .                         | 3.3             | 18.1                | 161.3                  | .                         | .     | . | .    | . | .     |
| Robertson    | 65.9    | .                              | .                                       | .       | .                         | .               | .                   | 65.9                   | .                         | .     | . | .    | . | .     |
| Rutherford   | 40.6    | .                              | .                                       | .       | .                         | 3.4             | 11.8                | 25.4                   | .                         | .     | . | .    | . | .     |
| Scott        | 383.1   | 4.0                            | .                                       | .       | ...                       | 6.8             | 25.0                | 347.2                  | .                         | .     | . | .    | . | .     |
| Sequatchie   | 80.3    | 1.5                            | .                                       | .       | ...                       | 11.2            | ...                 | 67.7                   | .                         | .     | . | .    | . | .     |
| Sevier       | 114.4   | .                              | .                                       | .       | .                         | 3.4             | 35.0                | 76.1                   | .                         | .     | . | .    | . | .     |
| Shelby       | 187.4   | .                              | .                                       | .       | .                         | .               | .                   | 98.0                   | 80.5                      | .     | . | 8.9  | . | ...   |
| Smith        | 74.9    | .                              | .                                       | .       | .                         | ...             | 3.2                 | 71.7                   | .                         | .     | . | .    | . | ...   |
| Stewart      | 230.1   | .                              | .                                       | .       | .                         | 3.7             | ...                 | 226.4                  | .                         | .     | . | .    | . | .     |
| Sullivan     | 126.8   | 5.0                            | .                                       | .       | ...                       | 0.6             | 14.7                | 106.6                  | .                         | .     | . | .    | . | .     |
| Sumner       | 75.8    | .                              | .                                       | .       | .                         | 1.1             | ...                 | 74.6                   | .                         | .     | . | .    | . | .     |
| Tipton       | 76.6    | .                              | .                                       | .       | .                         | .               | .                   | 57.8                   | 7.5                       | .     | . | 11.2 | . | ...   |
| Trousdale    | 20.6    | .                              | .                                       | .       | .                         | ...             | 4.1                 | 16.5                   | .                         | .     | . | .    | . | .     |
| Unicoi       | 123.7   | 3.1                            | .                                       | .       | ...                       | ...             | 15.4                | 105.3                  | .                         | .     | . | .    | . | .     |
| Union        | 100.0   | .                              | .                                       | .       | .                         | 2.2             | 15.5                | 66.4                   | .                         | .     | . | .    | . | 15.9  |
| Van Buren    | 107.5   | 4.9                            | .                                       | .       | 0.2                       | 2.3             | 4.3                 | 95.8                   | .                         | .     | . | .    | . | .     |
| Warren       | 111.6   | .                              | .                                       | .       | .                         | ...             | 0.5                 | 103.1                  | 8.0                       | .     | . | .    | . | .     |
| Washington   | 76.1    | .                              | .                                       | .       | .                         | ...             | 6.7                 | 695                    | .                         | .     | . | .    | . | .     |
| Wayne        | 311.0   | .                              | .                                       | .       | .                         | 2.8             | 5.5                 | 298.6                  | 4.1                       | .     | . | .    | . | .     |
| Weakley      | 118.9   | ...                            | .                                       | .       | 0.9                       | .               | .                   | 45.9                   | 72.1                      | .     | . | .    | . | .     |
| White        | 172.3   | ...                            | .                                       | .       | 1.8                       | ...             | 4.1                 | 162.4                  | 4.0                       | .     | . | .    | . | .     |
| Williamson   | 149.1   | .                              | .                                       | .       | .                         | 1.6             | 6.8                 | 132.7                  | 8.0                       | .     | . | .    | . | .     |
| Wilson       | 36.7    | .                              | .                                       | .       | .                         | 1.4             | 19.1                | 16.2                   | .                         | .     | . | .    | . | .     |
| All counties | 13787.4 | 43.2                           |                                         | 45.5    |                           | 228.0           |                     | 873.3                  | 11431.7                   | 967.7 |   | 50.6 |   | 147.3 |

<sup>1</sup>Includes redcedar forest type.<sup>2</sup>Includes redcedar-hardwood forest type.

Table 29—Volume of softwood growing stock in the saw-logportion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989

| Tennessee Counties 1905        |       | Forest type group      |                                         |         |                            |                 |                     |                        |                           |
|--------------------------------|-------|------------------------|-----------------------------------------|---------|----------------------------|-----------------|---------------------|------------------------|---------------------------|
| County                         | Total | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak <sup>2</sup> -<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                                |       |                        | Planted                                 | Natural |                            |                 |                     |                        |                           |
| ----- Million cubic feet ----- |       |                        |                                         |         |                            |                 |                     |                        |                           |
| Anderson                       | 28.4  | ...                    | ...                                     | 11.7    | 7.2                        | 9.5             | .                   | .                      | .                         |
| Bedford                        | 0.9   | .                      | .                                       | 0.5     | 0.4                        | .               | .                   | .                      | .                         |
| Benton                         | 2.7   | ...                    | 2.2                                     | ...     | 0.3                        | 0.2             | .                   | .                      | .                         |
| Bledsoe                        | 33.3  | ...                    | 2.6                                     | 14.9    | 10.3                       | 5.4             | .                   | .                      | .                         |
| Blount                         | 26.9  | 5.0                    | 4.2                                     | 4.5     | 9.7                        | 3.5             | .                   | .                      | .                         |
| Bradley                        | 34.1  | .                      | .                                       | 30.6    | ...                        | 3.5             | .                   | .                      | .                         |
| Campbell                       | 33.2  | ...                    | ...                                     | 15.0    | 12.4                       | 5.8             | .                   | .                      | .                         |
| Cannon                         | 1.9   | .                      | .                                       | 1.0     | 0.8                        | .               | .                   | .                      | .                         |
| Carroll                        | 13.5  | ...                    | 5.5                                     | ...     | 4.4                        | 3.6             | .                   | .                      | .                         |
| Carter                         | 29.6  | .                      | .                                       | 1.1     | 14.9                       | 13.1            | .                   | .                      | 0.4                       |
| Cheatam                        | 2.6   | .                      | .                                       | .       | .                          | 2.6             | .                   | .                      | .                         |
| Chester                        | 20.7  | ...                    | 6.7                                     | 0.8     | 11.2                       | 2.0             | .                   | .                      | .                         |
| Claibome                       | 6.4   | .                      | .                                       | 0.4     | 3.4                        | 2.7             | .                   | .                      | .                         |
| Clay                           | 1.4   | .                      | .                                       | .       | .                          | 1.4             | .                   | .                      | .                         |
| Cocke                          | 31.2  | .                      | .                                       | 12.0    | 10.1                       | 9.1             | .                   | .                      | .                         |
| Coffee                         | .     | .                      | .                                       | .       | .                          | .               | .                   | .                      | .                         |
| Crockett                       | ...   | ...                    | ...                                     | ...     | ...                        | ...             | ...                 | ...                    | ...                       |
| Cumberland                     | 74.4  | 6.4                    | 0.4                                     | 22.7    | 24.7                       | 20.3            | .                   | .                      | .                         |
| Davidson                       | 1.4   | .                      | .                                       | .       | 0.3                        | 1.0             | .                   | .                      | .                         |
| Decatur                        | 16.1  | .                      | 12.3                                    | .       | 1.9                        | 1.9             | .                   | .                      | .                         |
| De Kalb                        | 4.5   | .                      | .                                       | 2.2     | 2.3                        | .               | .                   | .                      | .                         |
| Dickson                        | .     | .                      | .                                       | .       | .                          | .               | .                   | .                      | .                         |
| Dyer                           | ...   | .                      | .                                       | .       | .                          | .               | .                   | .                      | ...                       |
| Fayette                        | 8.5   | .                      | .                                       | 5.8     | 0.9                        | 1.8             | .                   | .                      | .                         |

Table 29—Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989 - Continued

| County                         | Total | Forest type group      |                                         |         |               |                 |                     |                        |                           |
|--------------------------------|-------|------------------------|-----------------------------------------|---------|---------------|-----------------|---------------------|------------------------|---------------------------|
|                                |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak*-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                                |       |                        | Planted                                 | Natural |               |                 |                     |                        |                           |
| ----- Million cubic feet ----- |       |                        |                                         |         |               |                 |                     |                        |                           |
| Fentress                       | 67.9  | ...                    | 2.9                                     | 19.7    | 23.8          | 21.5            | ...                 | ...                    | ...                       |
| Franklin                       | 1.3   | ...                    | ...                                     | ...     | 0.6           | 0.6             | ...                 | ...                    | ...                       |
| Gibson                         | ...   | ...                    | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Giles                          | 2.8   | 2.1                    | ...                                     | ...     | ...           | 0.8             | ...                 | ...                    | ...                       |
| Grainger                       | 10.0  | ...                    | ...                                     | ...     | 3.6           | 6.3             | ...                 | ...                    | ...                       |
| Greene                         | 22.7  | ...                    | ...                                     | 9.0     | 9.3           | 4.5             | ...                 | ...                    | ...                       |
| Grundy                         | 12.1  | ...                    | ...                                     | 7.5     | 0.7           | 3.9             | ...                 | ...                    | ...                       |
| Hamblen                        | 12.6  | ...                    | ...                                     | 11.0    | 1.6           | ...             | ...                 | ...                    | ...                       |
| Hamilton                       | 64.6  | ...                    | 11.1                                    | 18.7    | 21.3          | 13.4            | ...                 | ...                    | ...                       |
| Hancock                        | 1.7   | ...                    | ...                                     | ...     | 0.2           | 1.5             | ...                 | ...                    | ...                       |
| Hardeman                       | 35.0  | ...                    | 17.6                                    | 9.8     | 2.6           | 3.7             | 1.3                 | ...                    | ...                       |
| Hardin                         | 28.7  | ...                    | 5.9                                     | 9.7     | 9.1           | 3.3             | 0.7                 | ...                    | ...                       |
| Hawkins                        | 13.9  | ...                    | ...                                     | 2.7     | 8.6           | 2.6             | ...                 | ...                    | ...                       |
| Haywood                        | ...   | ...                    | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Henderson                      | 205   | ...                    | 14.4                                    | 5.2     | 0.9           | ...             | ...                 | ...                    | ...                       |
| Henry                          | 1.8   | ...                    | 1.8                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Hickman                        | 7.4   | ...                    | 6.2                                     | ...     | ...           | 1.2             | ...                 | ...                    | ...                       |
| Houston                        | 0.3   | ...                    | ...                                     | ...     | ...           | 0.3             | ...                 | ...                    | ...                       |
| Humphreys                      | 2.4   | ...                    | ...                                     | ...     | ...           | 2.4             | ...                 | ...                    | ...                       |
| Jackson                        | 3.9   | ...                    | ...                                     | ...     | 3.4           | 0.5             | ...                 | ...                    | ...                       |
| Jefferson                      | 9.2   | ...                    | 8.1                                     | ...     | 0.3           | 0.8             | ...                 | ...                    | ...                       |
| Johnson                        | 22.7  | ...                    | ...                                     | ...     | 10.5          | 12.2            | ...                 | ...                    | ...                       |
| Knox                           | 20.0  | ...                    | ...                                     | 4.6     | 10.7          | 4.7             | ...                 | ...                    | ...                       |
| Lake                           | 37.3  | ...                    | ...                                     | ...     | ...           | ...             | 37.3                | ...                    | ...                       |
| Lauderdale                     | 17.9  | ...                    | ...                                     | ...     | ...           | ...             | 14.6                | 3.4                    | ...                       |
| Lawrence                       | ...   | ...                    | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Lewis                          | 0.7   | ...                    | ...                                     | ...     | ...           | 0.7             | ...                 | ...                    | ...                       |
| Lincoln                        | 1.0   | ...                    | ...                                     | 1.0     | ...           | ...             | ...                 | ...                    | ...                       |
| Loudon                         | 25.6  | ...                    | 11.4                                    | 9.2     | 4.9           | ...             | ...                 | ...                    | ...                       |
| McMinn                         | 51.8  | ...                    | 13.3                                    | 25.3    | 9.6           | 3.6             | ...                 | ...                    | ...                       |
| McNairy                        | 41.0  | ...                    | 0.3                                     | 32.0    | 6.4           | 1.8             | 0.6                 | ...                    | ...                       |
| Macon                          | ...   | ...                    | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Madison                        | 4.0   | ...                    | ...                                     | 2.2     | 0.3           | 1.0             | 0.5                 | ...                    | ...                       |
| Marion                         | 27.2  | ...                    | ...                                     | ...     | 12.4          | 14.8            | ...                 | ...                    | ...                       |
| Marshall                       | 1.4   | ...                    | ...                                     | 0.9     | 0.2           | 0.2             | ...                 | ...                    | ...                       |
| Maury                          | ...   | ...                    | ...                                     | ...     | ...           | ...             | ...                 | ...                    | ...                       |
| Meigs                          | 29.5  | ...                    | 13.9                                    | ...     | 9.6           | 6.0             | ...                 | ...                    | ...                       |
| Monroe                         | 118.4 | 7.7                    | ...                                     | 56.7    | 30.9          | 22.8            | ...                 | ...                    | 0.2                       |
| Montgomery                     | 3.6   | ...                    | ...                                     | ...     | 1.9           | 1.6             | ...                 | ...                    | ...                       |
| Moore                          | 1.3   | ...                    | ...                                     | ...     | ...           | 1.3             | ...                 | ...                    | ...                       |
| Morgan                         | 59.3  | ...                    | ...                                     | ...     | 34.9          | 24.4            | ...                 | ...                    | ...                       |
| Obion                          | 11.7  | ...                    | ...                                     | ...     | ...           | ...             | 11.7                | ...                    | ...                       |
| Overton                        | 23.3  | ...                    | ...                                     | 13.0    | 6.0           | 4.3             | ...                 | ...                    | ...                       |
| Perry                          | 2.6   | ...                    | ...                                     | 1.0     | ...           | 1.6             | ...                 | ...                    | ...                       |
| Pickett                        | 4.1   | ...                    | ...                                     | ...     | ...           | 4.1             | ...                 | ...                    | ...                       |
| Polk                           | 126.5 | 27.3                   | ...                                     | 67.7    | 22.7          | 7.3             | ...                 | ...                    | 1.4                       |
| Putnam                         | 13.9  | ...                    | ...                                     | ...     | 9.2           | 4.6             | ...                 | ...                    | ...                       |
| Rhea                           | 19.2  | ...                    | 3.3                                     | 0.8     | 12.3          | 2.8             | ...                 | ...                    | ...                       |

**Table 29—Volume of softwood growing stock in the saw-logportion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989 Continued**

| County                         | Total  | Forest type group      |                                         |         |               |                 |                     |                        |                           |
|--------------------------------|--------|------------------------|-----------------------------------------|---------|---------------|-----------------|---------------------|------------------------|---------------------------|
|                                |        | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak*-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                                |        |                        | Planted                                 | Natural |               |                 |                     |                        |                           |
| ----- Million cubic feet ----- |        |                        |                                         |         |               |                 |                     |                        |                           |
| Roane                          | 33.4   | ...                    | 7.3                                     | 7.9     | 12.2          | 6.1             | ...                 | .                      | .                         |
| Robertson                      | 0.4    | .                      | .                                       | .       | .             | 0.4             | .                   | .                      | .                         |
| Rutherford                     | 1.2    | .                      | .                                       | 0.5     | 0.6           | 0.1             | .                   | .                      | .                         |
| Scott                          | 68.7   | 11.5                   | ...                                     | 10.4    | 21.2          | 25.6            | .                   | .                      | .                         |
| Scquatchie                     | 30.1   | 4.6                    | 0.3                                     | 15.4    | ...           | 9.8             | .                   | .                      | .                         |
| Sevier                         | 43.2   | .                      | .                                       | 7.7     | 29.3          | 6.3             | .                   | .                      | .                         |
| Shelby                         | 1.5    | .                      | .                                       | .       | .             | 0.4             | 1.1                 | ...                    | ...                       |
| Smith                          | 0.3    | .                      | .                                       | .       | .             | 0.3             | .                   | .                      | .                         |
| Stewart                        | 4.3    | .                      | .                                       | 3.9     | ...           | 0.4             | .                   | .                      | .                         |
| Sullivan                       | 22.5   | 10.6                   | ...                                     | 3.8     | 5.8           | 2.3             | .                   | .                      | .                         |
| Sumner                         | 0.9    | .                      | .                                       | 0.9     | .             | .               | .                   | .                      | .                         |
| Tipton                         | .      | .                      | .                                       | .       | .             | .               | .                   | .                      | .                         |
| Trousdale                      | 0.3    | .                      | .                                       | .       | 0.3           | .               | .                   | .                      | .                         |
| Unicoi                         | 36.6   | 12.2                   | .                                       | .       | 13.7          | 10.7            | .                   | .                      | .                         |
| Union                          | 12.6   | .                      | .                                       | 0.7     | 9.6           | 2.4             | .                   | .                      | .                         |
| Van Buren                      | 17.8   | 6.8                    | 0.4                                     | 6.7     | 1.6           | 2.3             | .                   | .                      | .                         |
| Warren                         | .      | .                      | .                                       | .       | .             | .               | .                   | .                      | .                         |
| Washington                     | 15.5   | .                      | .                                       | .       | 5.4           | 10.0            | .                   | .                      | .                         |
| Wayne                          | 7.4    | .                      | .                                       | 4.1     | 0.4           | 2.9             | .                   | .                      | .                         |
| Weakley                        | 13.4   | ...                    | 9.6                                     | .       | .             | 0.5             | 3.3                 | .                      | .                         |
| White                          | 7.0    | ...                    | 4.3                                     | ...     | 2.0           | 0.7             | .                   | .                      | .                         |
| Williamson                     | 5.0    | .                      | .                                       | 2.0     | 1.8           | 1.2             | .                   | .                      | .                         |
| Wilson                         | 4.6    | .                      | .                                       | 0.2     | 4.4           | .               | .                   | .                      | .                         |
| All counties                   | 1681.0 | 94.0                   | 166.0                                   | 495.1   | 492.1         | 357.1           | 71.2                | 3.4                    | 2.1                       |

<sup>1</sup>Includes redcedar forest type.

<sup>2</sup>Includes redcedar-hardwood forest type.

**Table 30 -Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by type group, Tennessee Counties, 1989**

| County     | Total | Forest type group      |                                         |         |                           |                 |                     |                        |                           |                                |   |   |     |   |   |      |
|------------|-------|------------------------|-----------------------------------------|---------|---------------------------|-----------------|---------------------|------------------------|---------------------------|--------------------------------|---|---|-----|---|---|------|
|            |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak- <sup>2</sup><br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |                                |   |   |     |   |   |      |
|            |       |                        | Planted                                 | Natural |                           |                 |                     |                        |                           |                                |   |   |     |   |   |      |
|            |       |                        |                                         |         |                           |                 |                     |                        |                           | ----- Million cubic feet ----- |   |   |     |   |   |      |
| Anderson   | 101.6 | .                      | .                                       | .       | .                         | .               | 1.4                 | 3.6                    | 93.4                      | .                              | . | . | .   | . | . | 3.1  |
| Bedford    | 23.3  | .                      | .                                       | .       | .                         | .               | 1.4                 | ...                    | 18.3                      | 3.7                            | . | . | .   | . | . | .    |
| Benton     | 75.2  | .                      | .                                       | .       | .                         | .               | ...                 | 0.4                    | 74.8                      | ...                            | . | . | .   | . | . | .    |
| Bledsoe    | 48.3  | .                      | .                                       | .       | .                         | .               | 0.8                 | 5.5                    | 42.1                      | .                              | . | . | .   | . | . | .    |
| Blount     | 375   | 1.7                    | .                                       | .       | .                         | 0.2             | ...                 | 7.2                    | 28.5                      | .                              | . | . | .   | . | . | .    |
| Bradley    | 39.7  | .                      | .                                       | .       | .                         | .               | 2.4                 | 0.3                    | 36.9                      | .                              | . | . | .   | . | . | .    |
| Campbell   | 186.7 | .                      | .                                       | .       | .                         | .               | 2.6                 | 8.4                    | 175.6                     | .                              | . | . | .   | . | . | .    |
| Cannon     | 39.4  | .                      | .                                       | .       | .                         | .               | 0.7                 | 1.1                    | 37.6                      | .                              | . | . | .   | . | . | .    |
| Carroll    | 121.2 | ...                    | .                                       | .       | .                         | 0.8             | ...                 | 4.8                    | 90.8                      | 24.8                           | . | . | .   | . | . | .    |
| Carter     | 1315  | .                      | .                                       | .       | .                         | .               | 0.3                 | 4.2                    | 124.0                     | .                              | . | . | .   | . | . | 2.9  |
| Cheatam    | 72.6  | .                      | .                                       | .       | .                         | .               | .                   | .                      | 72.6                      | .                              | . | . | .   | . | . | .    |
| Chester    | 33.2  | ...                    | .                                       | .       | .                         | 0.5             | 0.4                 | 8.6                    | 22.1                      | 1.6                            | . | . | .   | . | . | .    |
| Claiborne  | 99.7  | .                      | .                                       | .       | .                         | .               | 0.5                 | 1.1                    | 87.0                      | .                              | . | . | .   | . | . | 11.2 |
| Clay       | 34.6  | .                      | .                                       | .       | .                         | .               | .                   | 1.3                    | 33.3                      | ...                            | . | . | ... | . | . | ...  |
| Cocke      | 104.6 | .                      | .                                       | .       | .                         | .               | 2.9                 | 6.8                    | 90.2                      | 4.7                            | . | . | .   | . | . | .    |
| Coffee     | 80.4  | .                      | .                                       | .       | .                         | .               | .                   | .                      | 75.9                      | 4.4                            | . | . | .   | . | . | .    |
| Crockett   | 25.9  | .                      | .                                       | .       | .                         | .               | .                   | .                      | 25.9                      | ...                            | . | . | .   | . | . | .    |
| Cumberland | 142.7 | 3.0                    | .                                       | .       | .                         | ...             | 2.4                 | 19.4                   | 117.9                     | .                              | . | . | .   | . | . | .    |
| Davidson   | 58.3  | .                      | .                                       | .       | .                         | .               | .                   | .                      | 58.3                      | ...                            | . | . | .   | . | . | .    |
| Decatur    | 96.2  | ...                    | .                                       | .       | .                         | 1.6             | ...                 | 2.5                    | 85.7                      | 6.3                            | . | . | .   | . | . | .    |
| De Kalb    | 82.3  | .                      | .                                       | .       | .                         | .               | .                   | 1.2                    | 69.0                      | 12.0                           | . | . | .   | . | . | .    |
| Dickson    | 126.7 | .                      | .                                       | .       | .                         | .               | .                   | 1.5                    | 125.2                     | .                              | . | . | .   | . | . | ...  |
| Dyer       | 36.5  | .                      | .                                       | .       | .                         | .               | .                   | .                      | 11.2                      | 25.2                           | . | . | .   | . | . | .    |
| Fayette    | 101.4 | .                      | .                                       | .       | .                         | .               | 1.2                 | 4.5                    | 82.6                      | 13.2                           | . | . | .   | . | . | .    |

**Table 30 — Volume of softwood growing stock in the saw-logportion of sawtimber trees on timberland by type group, Tennessee Counties, 1989**

| County                       | Total | Forest type group      |                                          |         |               |                 |                     |                        |                           |
|------------------------------|-------|------------------------|------------------------------------------|---------|---------------|-----------------|---------------------|------------------------|---------------------------|
|                              |       | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>'pine |         | Oak-'<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |
|                              |       |                        | Planted                                  | Natural |               |                 |                     |                        |                           |
| -----Million cubic feet----- |       |                        |                                          |         |               |                 |                     |                        |                           |
| Fentress                     | 107.6 | ...                    | .                                        | 2.4     | 12.4          | 92.9            | .                   | ...                    | ...                       |
| Franklin                     | 93.2  | ..                     | .                                        | ...     | 0.6           | 92.6            |                     | ...                    | ...                       |
| Gibson                       | 25.6  | ...                    | ..                                       | ...     | ...           | 25.6            | .                   | ...                    | ...                       |
| Giles                        | 54.8  | 1.1                    | .                                        | ...     | ...           | 52.6            | 1.2                 | ...                    | ...                       |
| Grainger                     | 76.9  | ...                    | .                                        | ...     | 4.8           | 72.1            | ...                 |                        | ...                       |
| Greene                       | 116.8 | .                      | ..                                       | 4.2     | 4.4           | 95.1            | ...                 | .                      | 13.1                      |
| Grundy                       | 69.6  | ...                    | ...                                      | 1.9     | 2.3           | 65.4            | ...                 | ...                    | ...                       |
| Hamblen                      | 31.1  | ...                    | .                                        | 0.5     | 6.5           | 24.1            | ...                 | ..                     | ...                       |
| Hamilton                     | 88.1  | ..                     | 2.2                                      | 2.1     | 7.3           | 76.5            | ...                 |                        | ...                       |
| Hancock                      | 32.6  | ...                    | ...                                      | ...     | ...           | 31.3            | .                   | ...                    | 1.3                       |
| Hardeman                     | 1285  | ...                    | 0.4                                      | 0.9     | 5.4           | 96.0            | 25.8                | ...                    | ...                       |
| Hardin                       | 85.7  | ...                    | 0.6                                      | 1.3     | 8.7           | 51.3            | 23.8                | ...                    | ...                       |
| Hawkins                      | 87.4  | ...                    | .                                        | ...     | 5.3           | 74.0            | ...                 | .                      | 8.1                       |
| Haywood                      | 81.2  | ...                    | ..                                       | ...     | ...           | 6.6             | 74.5                | ...                    | ...                       |
| Henderson                    | 92.0  | ...                    | 1.7                                      | 3.6     | 1.1           | 61.0            | 24.6                | .                      | ...                       |
| Henry                        | 142.1 | ...                    | ...                                      | ...     | ...           | 93.3            | 48.8                |                        | ...                       |
| Hickman                      | 147.6 | .                      | ...                                      | ...     | ...           | 147.6           | ...                 | ...                    | ...                       |
| Houston                      | 60.6  | ...                    | ...                                      | ...     | ...           | 60.6            | ...                 | ...                    | ...                       |
| Humphreys                    | 132.9 | ...                    | ...                                      | ...     | ...           | 132.9           | ...                 | ...                    | ...                       |
| Jackson                      | 90.2  | ...                    | ...                                      | ...     | 5.5           | 84.7            | ...                 | ...                    | ...                       |
| Jefferson                    | 49.1  | ...                    | 3.5                                      | ...     | 0.8           | 44.8            | ...                 | ...                    | ...                       |
| Johnson                      | 84.8  | ...                    | ...                                      | ...     | 13.1          | 57.4            | ...                 | ...                    | 14.3                      |
| Knox                         | 81.5  | ...                    | ...                                      | 1.0     | 9.3           | 71.2            | ...                 | ...                    | ...                       |
| Lake                         | 25.6  | ...                    | ...                                      | ...     | ...           | ...             | 25.6                | ...                    | ...                       |
| Lauderdale                   | 84.0  | ...                    | ...                                      | ...     | ...           | 22.1            | 37.9                | 24.0                   | ...                       |
| Lawrence                     | 88.2  | ...                    | ...                                      | ...     | ...           | 78.6            | 9.7                 | ...                    | ...                       |
| Lewis                        | 72.8  | ...                    | ...                                      | ...     | ...           | 63.7            | 9.1                 | ...                    | ...                       |
| Lincoln                      | 46.0  |                        | .                                        | 1.3     | 0.7           | 42.6            | 1.4                 | ...                    | ...                       |
| Loudon                       | 36.6  |                        | ...                                      | 0.8     | 4.2           | 31.6            |                     | ..                     | ...                       |
| McMinn                       | 60.5  | ...                    | 2.7                                      | 4.1     | 6.4           | 42.6            | 4.6                 |                        | ...                       |
| McNairy                      | 66.3  |                        | 0.2                                      | 3.1     | 7.2           | 46.8            | 9.1                 | .                      | ...                       |
| Macon                        | 64.0  |                        |                                          | ...     | ...           | 64.0            |                     | ...                    | ...                       |
| Madison                      | 120.3 |                        | ...                                      | ...     | 2.9           | 68.4            | 49.0                |                        | ..                        |
| Marion                       | 118.1 | ...                    | ...                                      | ...     | 9.3           | 106.3           | 2.5                 | ...                    | ...                       |
| Marshall                     | 25.4  | ...                    | ...                                      | 0.5     | 3.2           | 21.7            | ...                 | ...                    | ...                       |
| Maury                        | 41.3  | ...                    | ...                                      | ...     | 0.3           | 41.0            | ...                 | ...                    | ...                       |
| Meigs                        | 35.1  | ...                    | 1.2                                      | ...     | 9.6           | 24.3            | ...                 |                        | .                         |
| Monroe                       | 138.6 | 0.5                    | ...                                      | 6.2     | 22.3          | 88.4            | ...                 | ...                    | 21.3                      |
| Montgomery                   | 62.6  | .                      | ...                                      | ...     | 4.6           | 58.0            | ...                 | ...                    | ..                        |
| Moore                        | 29.1  | =                      | ...                                      | ...     | ...           | 29.1            | ...                 | ...                    | ...                       |
| Morgan                       | 160.0 | =                      | ...                                      | ...     | 34.1          | 125.9           | ...                 | ...                    | ...                       |
| Obion                        | 92.8  | .                      | ...                                      | ...     | ...           | 55.0            | 37.8                | ...                    | ...                       |
| Overton                      | 155.1 | .                      | ...                                      | 2.0     | 6.7           | 146.4           | ...                 | ...                    | ...                       |
| Perry                        | 103.1 | =                      | ...                                      | ...     | 0.3           | 100.3           | 2.5                 | ...                    | ...                       |
| Pickett                      | 44.3  | =                      | ...                                      | ...     | ...           | 44.3            |                     | ...                    | ...                       |
| Polk                         | 70.2  | 7.5                    | .                                        | 14.3    | 16.2          | 31.1            | ...                 | ...                    | 1.1                       |
| Putnam                       | 106.4 | ...                    | ...                                      | ...     | 3.0           | 103.4           | .                   | ...                    | ...                       |
| Rhea                         | 67.3  | .                      | ...                                      | ...     | 8.2           | 59.1            | .                   | ...                    | ...                       |

Table 30 — *Volume of hardwood growing stock in the saw-logportion of sawtimber trees on timberland by type group, Tennessee Counties, 1989 -Continued*

| County                         | Total  | Forest type group      |                                         |         |                           |                 |                     |                        |                           |       |      |      |
|--------------------------------|--------|------------------------|-----------------------------------------|---------|---------------------------|-----------------|---------------------|------------------------|---------------------------|-------|------|------|
|                                |        | White-red<br>jack pine | Loblolly-shortleaf <sup>1</sup><br>pine |         | Oak- <sup>2</sup><br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood | Maple-<br>beech-<br>birch |       |      |      |
|                                |        |                        | Planted                                 | Natural |                           |                 |                     |                        |                           |       |      |      |
| ----- Million cubic feet ----- |        |                        |                                         |         |                           |                 |                     |                        |                           |       |      |      |
| Roane                          | 91.4   | .                      | .                                       | .       | .                         | .               | 2.0                 | 9.2                    | 80.2                      | ...   | ...  | ...  |
| Robertson                      | 43.5   | .                      | .                                       | .       | .                         | .               | .                   | ...                    | 43.5                      | ...   | ...  | ...  |
| Rutherford                     | 15.6   | .                      | .                                       | .       | .                         | .               | 0.6                 | 4.4                    | 10.5                      | ...   | ...  | ...  |
| Scott                          | 188.8  | 3.1                    | .                                       | .       | ...                       | .               | 1.7                 | 8.9                    | 175.0                     | ...   | ...  | ...  |
| Sequatchie                     | 36.2   | .                      | .                                       | .       | .                         | .               | 4.5                 | ...                    | 31.8                      | .     | ...  | .    |
| Sevier                         | 62.7   | .                      | .                                       | .       | .                         | .               | 0.4                 | 17.8                   | 44.4                      | ...   | ...  | ...  |
| Shelby                         | 111.4  | .                      | .                                       | .       | .                         | .               | .                   | ...                    | 61.6                      | 44.0  | 5.8  | ...  |
| Smith                          | 32.7   | .                      | .                                       | .       | .                         | .               | .                   | 0.9                    | 31.8                      | ...   | ...  | ...  |
| Stewart                        | 125.4  | .                      | .                                       | .       | .                         | .               | 2.4                 | ...                    | 123.1                     | ...   | ...  | ...  |
| Sullivan                       | 65.8   | 1.5                    | .                                       | .       | ...                       | .               | 0.4                 | 4.9                    | 58.9                      | ...   | ...  | ...  |
| Sumner                         | 45.2   | .                      | .                                       | .       | .                         | .               | 0.5                 | ...                    | 44.8                      | ...   | ...  | ...  |
| Tipton                         | 45.8   | .                      | .                                       | .       | .                         | .               | .                   | ...                    | 39.7                      | 4.3   | 1.8  | ...  |
| Trousdale                      | 8.4    | .                      | .                                       | .       | .                         | .               | .                   | 1.4                    | 7.0                       | ...   | ...  | ...  |
| Unicoi                         | 64.5   | 0.3                    | .                                       | .       | .                         | .               | .                   | 7.7                    | 56.5                      | ...   | ...  | ...  |
| Union                          | 64.1   | .                      | .                                       | .       | .                         | .               | 1.0                 | 8.4                    | 44.4                      | ...   | ...  | 10.3 |
| Van Buren                      | 57.2   | 3.2                    | .                                       | .       | ...                       | .               | 0.7                 | 0.9                    | 52.3                      | .     | .    | .    |
| Warren                         | 63.4   | .                      | .                                       | .       | .                         | .               | .                   | 0.4                    | 57.8                      | 5.1   | .    | .    |
| Washington                     | 48.3   | .                      | .                                       | .       | .                         | .               | .                   | 4.2                    | 44.0                      | .     | .    | .    |
| Wayne                          | 135.4  | .                      | .                                       | .       | .                         | .               | 1.0                 | 2.2                    | 130.0                     | 2.3   | .    | .    |
| Weakley                        | 76.1   | .                      | .                                       | .       | .                         | .               | .                   | ...                    | 27.2                      | 48.9  | .    | .    |
| White                          | 105.5  | ...                    | .                                       | .       | 0.7                       | .               | ...                 | 1.9                    | 102.3                     | 0.6   | .    | .    |
| Williamson                     | 86.0   | .                      | .                                       | .       | .                         | .               | 0.3                 | 2.0                    | 77.7                      | 6.0   | .    | .    |
| Wilson                         | 13.2   | .                      | .                                       | .       | .                         | .               | 0.4                 | 5.3                    | 7.4                       | .     | .    | .    |
| All counties                   | 7359.8 | 22.0                   |                                         |         | 16.3                      |                 | 83.0                | 389.6                  | 6135.2                    | 595.2 | 31.7 | 86.8 |

<sup>1</sup>Includes redcedar forest type.

<sup>2</sup>Includes redcedar-hardwood type.

**Table 31-Volume of timber on timberland by county, class of timber and species group, Tennessee Counties, 1989**

| County                       | All<br>classes | Growing stock |              | Rough    |             | Rotten   |          |
|------------------------------|----------------|---------------|--------------|----------|-------------|----------|----------|
|                              |                | softhood      | Hardwood     | Softwood | Hardwood    | Softwood | Hardwood |
| -----Million cubic feet----- |                |               |              |          |             |          |          |
| Anderson                     | 219.5          | 39.4          | 159.8        | 1.6      | 11.7        |          | 7.0      |
| Bedford                      | 68.7           | 4.4           | 46.4         | 2.9      | 12.2        | .        | 2.8      |
| <b>Benton</b>                | 192.8          | 14.5          | 161.4        | 0.1      | 12.6        |          | 4.2      |
| Bledsoe                      | 200.1          | 70.0          | 117.6        | ...      | 10.3        |          | 2.3      |
| Blount                       | 115.7          | 41.7          | 69.2         | 0.3      | 4.2         | .        | 0.2      |
| Bradley                      | 116.6          | 52.2          | 61.7         | ...      | 2.7         | ...      | ...      |
| Campbell                     | <b>385.1</b>   | 56.4          | 297.6        | 0.7      | 20.9        | ...      | 9.5      |
| Cannon                       | 106.8          | 9.1           | 83.1         | 0.7      | 12.1        | ...      | 1.8      |
| Carroll                      | 272.2          | 18.7          | 233.7        | 0.1      | 18.8        | ...      | 0.8      |
| Carter                       | 310.7          | 42.0          | 235.6        | 0.9      | 25.8        | ...      | 6.3      |
| <b>Cheatam</b>               | 159.9          | 5.2           | 140.5        | ...      | 8.8         | ...      | 5.4      |
| Chester                      | 109.7          | 30.6          | 73.4         | 1.0      | 4.0         | ...      | 0.6      |
| Claibome                     | 216.2          | 11.5          | 184.8        | 0.3      | 15.8        | 0.4      | 3.5      |
| Clay                         | <b>96.2</b>    | 3.4           | 85.2         | ...      | 5.1         | ...      | 2.5      |
| <b>Cocke</b>                 | 252.0          | 47.6          | 190.4        | 1.1      | 11.9        | ...      | 1.0      |
| Coffee                       | 175.2          | ...           | <b>154.3</b> | ...      | 11.3        | ...      | 9.6      |
| Crockett                     | 34.0           | ...           | 33.0         | ...      | 1.0         | ...      | ...      |
| <b>Cumberland</b>            | 446.6          | 123.1         | 295.2        | 2.9      | 18.9        | ..       | 6.4      |
| Davidson                     | 137.2          | 4.4           | 110.0        | 1.4      | 12.8        | 0.3      | 8.4      |
| Decatur                      | 217.8          | 24.7          | 181.8        | 0.3      | 7.7         | 0.3      | 2.9      |
| De Kalb                      | 180.2          | 13.6          | 153.2        | 0.8      | 8.8         | ...      | 3.8      |
| Dickson                      | 227.9          | 1.2           | 215.6        |          | 9.2         | ...      | 1.8      |
| Dyer                         | 59.3           | ...           | 51.5         |          | 7.8         | ...      | ...      |
| Fayette                      | 228.4          | 20.7          | 180.9        | 2.7      | 18.6        | ..       | 5.4      |
| <b>Fentress</b>              | 381.1          | 128.4         | 235.1        | 0.4      | 13.4        | 0.3      | 3.4      |
| Franklin                     | 203.5          | 4.4           | 171.4        | 0.6      | 15.0        | 0.1      | 12.0     |
| Gibson                       | 52.0           | ...           | 47.0         | ...      | 5.0         | ...      | ...      |
| Giles                        | 177.8          | 5.1           | 146.3        | 0.7      | 17.5        | ...      | 8.3      |
| Grainger                     | 171.2          | 18.2          | 138.0        | 0.2      | 13.0        | ...      | 1.8      |
| Greene                       | 270.0          | 41.6          | 205.2        | 1.6      | 18.4        | ...      | 3.1      |
| Grundy                       | 223.1          | 31.9          | 162.5        | 0.7      | 13.0        | 0.4      | 14.6     |
| Hamblen                      | 76.0           | 21.1          | 49.2         | ...      | 5.4         | ...      | 0.2      |
| Hamilton                     | 273.3          | 92.0          | 156.8        | 0.2      | 19.3        | 0.2      | 4.8      |
| Hancock                      | 75.7           | 3.6           | 61.6         | 0.2      | 9.9         | ...      | 0.3      |
| Hardeman                     | 329.5          | 58.6          | 239.1        | 1.1      | 26.3        | ...      | 4.5      |
| <b>Hardin</b>                | 284.1          | 66.0          | 192.4        | 2.0      | 16.1        | 0.2      | 7.4      |
| Hawkins                      | 208.1          | 27.8          | 164.1        | 0.9      | 14.4        | ...      | 1.0      |
| <b>Haywood</b>               | 130.5          | ...           | 122.5        | ...      | 6.6         |          | 1.3      |
| Henderson                    | 251.5          | 39.5          | 175.0        | 2.7      | <b>25.8</b> | 0.6      | 7.8      |
| <b>Henry</b>                 | 256.5          | 2.9           | 228.2        | 0.3      | 19.5        | ...      | 5.6      |
| Hickman                      | 380.4          | 13.7          | 332.0        | 0.8      | 28.6        | ...      | 5.4      |
| Houston                      | 122.3          | 0.5           | 113.4        | ...      | 7.6         | ...      | 0.8      |
| Humphreys                    | 289.3          | 3.5           | 268.8        | 0.3      | 13.1        | 0.2      | 3.3      |
| Jackson                      | 190.4          | 10.2          | 156.4        | 1.3      | 17.5        | 0.2      | 4.8      |
| Jefferson                    | 106.1          | 15.5          | 82.7         | ...      | 7.0         | ..       | 0.9      |
| Johnson                      | 208.9          | 30.2          | 162.9        |          | 13.2        | ...      | 2.6      |
| Knox                         | 192.0          | 39.7          | 129.9        | 2.5      | 16.3        | ...      | 3.6      |
| Lake                         | 74.9           | 38.8          | 33.2         | ...      | 2.8         | ...      | ...      |

**Table 31-Volume of timber on timberland by county, class of timber and species group, Tennessee Counties, 1989**  
Continued

| County                         | All<br>classes | Growing stock |          | Rough    |          | Rotten   |          |
|--------------------------------|----------------|---------------|----------|----------|----------|----------|----------|
|                                |                | Softwood      | Hardwood | Softwood | Hardwood | Softwood | Hardwood |
| ----- Million cubic feet ----- |                |               |          |          |          |          |          |
| Lauderdale                     | 163.8          | 20.0          | 114.2    | 1.9      | 12.8     | 1.7      | 13.3     |
| Lawrence                       | 184.9          | ...           | 173.3    | ...      | 9.6      | .        | 1.9      |
| Lewis                          | 176.9          | 1.6           | 163.2    | ...      | 9.4      | ...      | 2.7      |
| Lincoln                        | 133.9          | 9.7           | 104.4    | 1.0      | 13.9     | ...      | 4.8      |
| <b>Loudon</b>                  | 103.7          | 43.3          | 54.2     | 1.6      | 3.7      | 0.2      | 0.6      |
| <b>McMinn</b>                  | 227.3          | 107.9         | 107.1    | 1.2      | 9.1      | 0.3      | 1.7      |
| <b>McNairy</b>                 | 251.8          | 78.5          | 154.7    | 1.6      | 13.5     | .        | 3.5      |
| Macon                          | 112.2          | 0.3           | 104.9    | ..       | 5.3      | .        | 1.6      |
| Madison                        | 223.7          | 8.1           | 201.1    | 0.7      | 11.9     | ...      | 1.9      |
| Marion                         | 303.8          | 41.1          | 224.3    | 0.5      | 26.9     | ...      | 10.9     |
| Marshall                       | 64.4           | 5.9           | 45.7     | 1.5      | 9.4      | .        | 1.9      |
| <b>Maury</b>                   | 126.5          | 0.5           | 107.8    | 0.4      | 16.5     | ...      | 1.3      |
| Meigs                          | 132.6          | 55.5          | 71.1     | ...      | 5.7      | ...      | 0.3      |
| Monroe                         | 511.9          | 201.5         | 275.9    | 5.6      | 21.5     | ...      | 7.5      |
| Montgomery                     | 166.2          | 8.4           | 134.6    | 0.3      | 19.5     | ...      | 3.4      |
| Moore                          | 60.6           | 2.7           | 52.6     | 0.7      | 3.3      | ...      | 1.3      |
| Morgan                         | 393.9          | 89.5          | 279.2    | ...      | 17.3     | 0.2      | 7.7      |
| Obion                          | 153.6          | 12.9          | 128.5    | 0.8      | 9.5      | ...      | 1.9      |
| <b>Overton</b>                 | 305.8          | 31.5          | 259.9    | 0.6      | 12.0     | ...      | 1.9      |
| Perry                          | 270.3          | 7.4           | 240.5    | 0.6      | 16.5     | ...      | 5.3      |
| <b>Pickett</b>                 | 100.8          | 7.0           | 85.9     | 0.3      | 4.5      | ...      | 3.1      |
| Polk                           | 339.9          | 197.9         | 128.2    | 1.5      | 9.5      | 0.1      | 2.8      |
| Putnam                         | 219.6          | 18.9          | 183.9    | 0.3      | 13.4     | .        | 3.2      |
| Rhea                           | 193.2          | 44.1          | 136.0    | 0.7      | 11.1     | ...      | 1.2      |
| Roane                          | 247.1          | 46.1          | 182.7    | ...      | 15.7     | ...      | 2.6      |
| Robertson                      | 74.4           | 0.4           | 65.9     | ...      | 7.2      | ...      | 0.9      |
| Rutherford                     | 82.7           | 11.7          | 40.6     | 7.5      | 20.0     | 0.2      | 2.7      |
| Scott                          | 524.1          | 107.1         | 383.1    | 0.6      | 19.5     | ...      | 13.9     |
| Sequatchie                     | 148.2          | 54.1          | 80.3     | 0.8      | 10.5     | ...      | 2.6      |
| <b>Sevier</b>                  | 196.1          | 69.1          | 114.4    | 2.1      | 6.1      | .        | 4.3      |
| Shelby                         | 215.9          | 1.7           | 187.4    | 0.4      | 24.5     | ...      | 1.9      |
| Smith                          | 97.2           | 4.2           | 74.9     | 0.7      | 14.7     | ...      | 2.7      |
| Stewart                        | 257.1          | 6.2           | 230.1    | 0.7      | 18.1     | ...      | 1.9      |
| Sullivan                       | 170.2          | 33.2          | 126.8    | 0.4      | a.4      | ...      | 1.4      |
| Sumner                         | 93.8           | 3.6           | 75.8     | 1.0      | 12.0     | .        | 1.5      |
| <b>Tipton</b>                  | 79.4           | ...           | 76.6     | ...      | 2.5      | ...      | 0.4      |
| Trousdale                      | 29.7           | 4.8           | 20.6     | 0.3      | 3.9      | ...      | 0.2      |
| Unicoi                         | 186.3          | 46.5          | 123.7    | 1.3      | 10.4     | ...      | 4.3      |
| Union                          | 126.8          | 23.2          | 100.0    | 0.7      | 2.9      | ...      | ...      |
| Van Buren                      | 160.1          | 42.2          | 107.5    | ...      | 8.7      | ...      | 1.7      |
| Warren                         | 134.0          | ...           | 111.6    | 0.5      | 18.3     | ...      | 3.6      |
| Washington                     | 101.4          | 20.3          | 76.1     | 0.4      | 4.0      | ...      | 0.6      |
| Wayne                          | 353.9          | 23.0          | 311.0    | 0.3      | 14.6     | ...      | 4.9      |
| Weakley                        | 159.8          | 20.8          | 118.9    | 0.4      | 13.9     | ...      | 5.8      |
| White                          | 206.0          | 26.0          | 172.3    | ...      | 5.2      | ...      | 2.4      |
| Williamson                     | 189.7          | 14.6          | 149.1    | 1.7      | 17.6     | 0.3      | 6.5      |
| Wilson                         | 67.0           | 14.7          | 36.7     | 4.5      | 9.7      | ...      | 1.3      |
| All counties                   | 18279.2        | 2895.3        | 13787.4  | 80.4     | 1171.8   | 6.3      | 337.9    |

**Table 32-Number of live trees on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| 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 |
| <i>----- Thousand trees -----</i> |                                          |                |               |              |              |            |            |              |              |             |              |             |               |
| Shortleaf pine                    | <b>108385</b>                            | 26722          | 23672         | 15253        | 17727        | 11994      | 8113       | 3332         | 1172         | 298         | <b>66</b>    | <b>36</b>   | ...           |
| Loblolly pine                     | 154883                                   | 38864          | 42247         | 37993        | 20484        | 9342       | 3640       | 1742         | 312          | 136         | 93           | 30          | ...           |
| Virginia pine                     | <b>259027</b>                            | 95179          | 51584         | 41086        | 33316        | 18140      | 11718      | 5664         | 1732         | 483         | <b>96</b>    | 31          | ...           |
| Pitch pine                        | 10977                                    | 3153           | <b>654</b>    | 2795         | 1896         | 1100       | 641        | 377          | 286          | <b>25</b>   | 33           | 15          | ...           |
| Others. pines                     | 3234                                     | 327            | <b>852</b>    | 604          | 737          | 422        | 246        | 11           | 26           | ...         | ...          | ...         | ...           |
| E. white pine                     | 77301                                    | 48898          | 13458         | 3893         | 3443         | 2194       | 1778       | 1030         | <b>908</b>   | 634         | <b>489</b>   | 521         | 63            |
| <b>Redcedar</b>                   | 431268                                   | <b>253757</b>  | 105344        | 44368        | <b>16608</b> | 6871       | 2927       | 963          | 231          | 168         | 9            | 21          | ..            |
| Hemlock-spruce                    | 62223                                    | <b>37865</b>   | <b>12531</b>  | 5007         | 2189         | 1434       | 1239       | 771          | 369          | 384         | 188          | 232         | 13            |
| Cypress                           | 1975                                     | ...            | 563           | .1           | 245          | 136        | 31         | 143          | 176          | 114         | 117          | 293         | 158           |
| Total softwoods                   | 1109272                                  | 504764         | <b>250905</b> | 151000       | 96646        | 51633      | 30331      | 14034        | 5212         | 2243        | 1092         | 1179        | 233           |
| Select white oaks                 | <b>505443</b>                            | 19907s         | 122396        | 59261        | 40019        | 30902      | 20583      | 15195        | 8320         | 4682        | 2404         | <b>2430</b> | 177           |
| Select red oaks                   | <b>82545</b>                             | 21209          | 12272         | 9820         | 10655        | 8180       | 5962       | <b>5625</b>  | 3128         | 2138        | 1509         | 1809        | 240           |
| Other white oaks                  | 311873                                   | <b>96909</b>   | 56224         | 47592        | 37432        | 26624      | 17667      | <b>12525</b> | 7419         | <b>4025</b> | 2410         | 2719        | 327           |
| Other red oaks                    | 318112                                   | 104124         | 51028         | 41180        | 34557        | 29151      | 20799      | 15867        | 9172         | 5838        | 3172         | 2942        | 282           |
| Sweet pecan                       | 798                                      | 676            | .             | ..           | 51           | ...        | ...        | 32           | 21           | ..          | ...          | 12          | <b>5</b>      |
| Water hickory                     | 197                                      | ...            | ...           | ...          | ...          | 59         | 72         | 53           | .            | 13          | ...          | ...         | ...           |
| Other hickories                   | 591131                                   | 303208         | 120481        | 56164        | 44268        | 30725      | 17614      | 10005        | 4551         | 2192        | 1060         | 809         | 54            |
| Persimmon                         | <b>57541</b>                             | 39263          | 9150          | 5962         | 2003         | 692        | 357        | 21           | 61           | ...         | 33           | ...         | ...           |
| Hard maple                        | 340466                                   | 222873         | 60964         | 24093        | 12131        | 7976       | 5140       | 3533         | 1569         | 1034        | 514          | 517         | 122           |
| Soft maple                        | <b>719065</b>                            | 498873         | 123728        | 44876        | 23269        | 12371      | 7127       | 3752         | 2124         | 1324        | 751          | 780         | 90            |
| <b>Boxelder</b>                   | 31934                                    | 14914          | 6242          | 3787         | <b>3349</b>  | 1932       | 867        | 392          | 331          | 88          | ...          | <b>25</b>   | 8             |
| Beech                             | 10089s                                   | 59293          | <b>15850</b>  | 6869         | 5376         | 3770       | 2431       | 221s         | 1211         | <b>1285</b> | 6%           | 1534        | 366           |
| <b>Sweetgum</b>                   | 201440                                   | 110707         | 35370         | <b>20020</b> | 13040        | 9157       | 5960       | 3380         | 2349         | 603         | 435          | 374         | 46            |
| <b>Blackgum</b>                   | 495826                                   | 390547         | 61767         | 20637        | 9667         | 5477       | 3240       | 2104         | 1238         | <b>541</b>  | 353          | 246         | 9             |
| Other gums/tupelos                | 4430                                     | 2624           | 563           | 214          | 480          | 131        | 58         | 170          | <b>64</b>    | 68          | 40           | 17          | ...           |
| White ash                         | 162942                                   | <b>100000</b>  | 29435         | 14061        | 8093         | 4416       | 2907       | 1874         | 971          | 502         | 382          | 274         | 28            |
| Other ashes                       | 78028                                    | 39014          | 17694         | 8833         | 4382         | 3808       | 2040       | 736          | 781          | 457         | 196          | 87          | ...           |
| Sycamore                          | 10389                                    | 1638           | 2302          | <b>1566</b>  | 1043         | 130s       | <b>455</b> | <b>665</b>   | 451          | 233         | 289          | 363         | 79            |
| Cottonwood                        | 1314                                     | ...            | 602           | 274          | ...          | 48         | 62         | 21           | 78           | <b>55</b>   | 22           | 69          | 82            |
| Basswood                          | 15348                                    | 11047          | ...           | 1009         | 810          | 886        | 503        | 362          | 320          | 228         | 102          | 78          | 4             |
| Yellow-poplar                     | 272756                                   | 132741         | 44099         | 24309        | 19616        | 14977      | 11983      | 9679         | 6448         | 4174        | 2448         | 2135        | 146           |
| Magnolia                          | 9772                                     | <b>3290</b>    | 2039          | 1537         | 1222         | 924        | 334        | 146          | 155          | 54          | 63           | 8           | ...           |
| <b>Sweetbay</b>                   | 343                                      | ..             | ...           | 305          | ...          | 38         | ...        | ...          | ...          | ...         | ...          | ...         | ...           |
| Willow                            | 11138                                    | 6212           | <b>1054</b>   | 1270         | 939          | 778        | 243        | 239          | 66           | 96          | 72           | 141         | 28            |
| Black walnut                      | <b>20065</b>                             | 4735           | 2892          | 3973         | 2841         | 2255       | 1632       | 922          | 459          | 176         | 112          | 64          | 4             |
| Black cherry                      | 124937                                   | 80077          | 26294         | 8868         | 5191         | 2234       | 989        | 507          | 380          | <b>258</b>  | 75           | <b>64</b>   | ...           |
| American elm                      | 82040                                    | 53715          | 13722         | 6281         | 3102         | 2427       | 1190       | 918          | <b>253</b>   | 199         | 97           | 106         | 29            |
| Other elms                        | 227154                                   | 159667         | 37830         | 16633        | 7222         | 3035       | 1587       | 630          | 226          | 179         | 62           | 74          | 8             |
| River birch                       | 10761                                    | 2878           | 4106          | 1812         | 654          | <b>505</b> | 363        | 177          | 97           | 80          | 44           | 47          | ...           |
| Other birches                     | 32829                                    | 17516          | 6916          | 4682         | 2431         | 761        | 286        | 126          | 27           | 24          | 17           | 36          | 7             |
| Hackberry                         | 93105                                    | 54549          | 16942         | 7656         | 6210         | 3010       | 1936       | 1437         | 646          | 406         | 139          | 117         | 58            |
| Black locust                      | 53946                                    | 23278          | 14913         | 5263         | 4657         | 3017       | 1259       | 737          | 371          | 246         | 149          | 57          | ..            |
| Other locusts                     | 9817                                     | 4918           | 1888          | 898          | 97s          | 581        | 324        | 142          | 39           | 40          | ...          | 13          | ..            |
| Sassafras                         | 180389                                   | 11984s         | <b>36377</b>  | 12013        | 5923         | 3405       | 1547       | 726          | 269          | <b>145</b>  | 117          | 21          | ...           |
| Dogwood                           | 764295                                   | 618627         | 126092        | 17478        | 1920         | 153        | 26         | ...          | ...          | ...         | ...          | ...         | ...           |
| Holly                             | 29421                                    | <b>25747</b>   | <b>2659</b>   | 591          | 21s          | 127        | 56         | ...          | 16           | 11          | ...          | .           | ...           |
| Other commercial                  | <b>54440</b>                             | 29109          | 12957         | 5531         | 3122         | 1684       | 1021       | 531          | 166          | 11s         | 70           | 117         | 16            |
| Total hardwoods                   | 6006928                                  | <b>3552898</b> | 1076848       | 485317       | 316812       | 217570     | 138622     | 95444        | 53779        | 31508       | 17832        | 18084       | 221s          |
| Noncommercial                     | 944143                                   | <b>656916</b>  | 204131        | 57841        | 17570        | 4601       | 1851       | 780          | 264          | 79          | 71           | 39          | ...           |
| All species                       | 8060343                                  | 4714579        | 1531884       | 694158       | 431027       | 273805     | 170804     | 110258       | <b>59256</b> | 33829       | <b>18995</b> | 19301       | 2448          |

**Table 33-Number of growing-stock trees on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| 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 |
| <i>----- Thousand trees -----</i> |                                          |               |               |               |               |               |              |              |              |              |               |
| Shortleaf pine                    | 57146                                    | 15046         | 17168         | 11994         | <b>8060</b>   | 3332          | 1158         | 298          | <b>55</b>    | 36           | ..            |
| Loblolly pine                     | 72018                                    | 36887         | 20139         | 9062          | 3616          | 1742          | 312          | 136          | 93           | 30           | ...           |
| Virginia pine                     | 108089                                   | 38752         | <b>32485</b>  | 17670         | 11464         | <b>5490</b>   | 1683         | 418          | 96           | 31           | ...           |
| Pitch pine                        | 6486                                     | 2330          | 1737          | 1068          | 641           | 377           | 270          | <b>25</b>    | 33           | <b>5</b>     | ...           |
| Others. pines                     | 2055                                     | 604           | 737           | 422           | 246           | 11            | 26           | ...          | 9            | ...          | ...           |
| E. white pine                     | 14591                                    | 3730          | 3443          | 2127          | 1691          | 1030          | 890          | 623          | 481          | 511          | 63            |
| <b>Redcedar</b>                   | 57891                                    | 36301         | <b>13854</b>  | 4689          | 2131          | 642           | 139          | 119          | 9            | 8            | ...           |
| Hemlock-spruce                    | 11496                                    | 4779          | 2189          | 1388          | 1212          | 771           | 352          | 376          | 188          | 227          | 13            |
| Cypress                           | 1246                                     | ...           | 170           | 136           | 31            | 118           | 139          | 97           | 117          | 293          | 146           |
| <b>Total softwoods</b>            | <b>331019</b>                            | <b>138429</b> | <b>91924</b>  | <b>48557</b>  | <b>29093</b>  | <b>13513</b>  | <b>4968</b>  | <b>2093</b>  | <b>1081</b>  | <b>1141</b>  | <b>221</b>    |
| Select white oaks                 | 170467                                   | 53082         | 3813s         | 29727         | 19031         | 14366         | 7702         | 4226         | 2134         | 1980         | <b>84</b>     |
| Select red oaks                   | 46632                                    | 9072          | 10283         | 774s          | 5784          | 5369          | 2999         | 2064         | 1437         | <b>1685</b>  | 19s           |
| Other white oaks                  | 142929                                   | 43227         | 34916         | 24682         | 15621         | 10741         | 6461         | 3408         | 1870         | 1838         | 163           |
| Other red oaks                    | 150934                                   | 38040         | 32941         | 27481         | 18649         | 14823         | <b>8281</b>  | 5247         | 2760         | 2516         | 196           |
| Sweet pecan                       | 122                                      | ...           | ...           | 51            | ...           | 32            | 21           | ...          | ...          | 12           | <b>5</b>      |
| Water hickory                     | <b>185</b>                               | ...           | ...           | 59            | 72            | 53            | ...          | ...          | ...          | ...          | ...           |
| Other hickories                   | <b>154137</b>                            | 49944         | 41908         | 29245         | 15945         | 9135          | 4294         | 1930         | 995          | 697          | 43            |
| Persimmon                         | 8264                                     | 5372          | 1778          | 692           | 323           | 21            | 46           | ...          | 33           | ...          | ...           |
| Hard maple                        | 45466                                    | 18048         | 10461         | 7077          | 4219          | 2712          | 1340         | 789          | 457          | 323          | 39            |
| Soft maple                        | 73892                                    | 34809         | 18381         | 9327          | 5147          | 2907          | 1376         | 887          | 500          | 514          | 44            |
| <b>Boxelder</b>                   | 5090                                     | 1732          | 1453          | 996           | 450           | 1%            | 168          | 70           | ...          | 17           | 8             |
| Beech                             | 19380                                    | 4954          | 4501          | <b>3059</b>   | 1832          | 1664          | <b>1004</b>  | 913          | 473          | 837          | 143           |
| <b>Sweetgum</b>                   | 50612                                    | 17307         | 12173         | 8593          | 5717          | <b>3285</b>   | 2221         | 538          | 413          | 320          | 46            |
| <b>Blackgum</b>                   | 35331                                    | 16413         | 8168          | 4449          | 2827          | 1700          | <b>954</b>   | 441          | <b>190</b>   | <b>185</b>   | 4             |
| Other gums/tupelos                | 883                                      | 126           | 285           | 131           | ...           | 170           | 64           | 68           | 30           | 9            | ...           |
| White ash                         | 26160                                    | 10097         | <b>6462</b>   | 4007          | 2282          | 1523          | 824          | 416          | 319          | 209          | 21            |
| Other ashes                       | 16819                                    | 6667          | 3279          | 3119          | 1740          | 654           | 723          | 409          | 173          | <b>55</b>    | ...           |
| Sycamore                          | 5144                                     | 1136          | 847           | 974           | 376           | <b>560</b>    | 391          | 210          | 267          | 339          | 44            |
| Cottonwood                        | 699                                      | 274           | ...           | 48            | 62            | 21            | 78           | 42           | 22           | 69           | 82            |
| Basswood                          | 3519                                     | 658           | 758           | 668           | 503           | 362           | <b>286</b>   | 138          | 82           | <b>64</b>    | .             |
| Yellow-poplar                     | 92046                                    | <b>22553</b>  | 18864         | 14640         | 1168.5        | 9392          | 6299         | 4063         | 2406         | 2047         | 97            |
| Magnolia                          | 3899                                     | 1152          | 1222          | 81.5          | 334           | 146           | 122          | 54           | 46           | 8            | ...           |
| <b>Sweetbay</b>                   | 246                                      | 208           | ...           | 38            | ..            | ...           | ...          | ...          | ...          | ...          | ...           |
| Willow                            | 3486                                     | 1270          | 749           | 731           | <b>243</b>    | 213           | 31           | 47           | 60           | 123          | 18            |
| Black walnut                      | 9099                                     | 2664          | 1869          | 1946          | 1331          | 689           | 376          | 112          | 82           | 26           | 4             |
| Black cherry                      | 14383                                    | 6786          | 4202          | 1843          | 503           | 441           | 284          | 243          | 41           | 39           | ...           |
| American elm                      | 10177                                    | 3689          | <b>2546</b>   | 2062          | 769           | 632           | 198          | 111          | 78           | 73           | 19            |
| Other elms                        | 23631                                    | <b>12502</b>  | 6153          | 2671          | 1332          | 571           | 16.5         | 132          | <b>54</b>    | 42           | 8             |
| River birch                       | 3244                                     | <b>1565</b>   | 582           | 374           | 331           | 156           | 83           | 80           | 34           | 39           | ...           |
| Other birches                     | 7173                                     | 4012          | 2096          | 639           | 261           | 101           | 10           | 10           | 17           | 21           | 7             |
| <b>Hackberry</b>                  | 14012                                    | 4433          | 4667          | 2170          | 1159          | 928           | <b>355</b>   | 171          | 69           | 52           | 9             |
| Black locust                      | <b>10856</b>                             | 3711          | 3612          | 1848          | 670           | 552           | <b>195</b>   | 139          | 90           | 39           | ...           |
| Other locusts                     | 2066                                     | <b>665</b>    | 601           | 452           | 236           | 59            | 17           | 24           | ...          | 13           | ...           |
| sassafras                         | 17924                                    | <b>8967</b>   | 4344          | 2393          | 1200          | 561           | 256          | 111          | 71           | 21           | ...           |
| Dogwood                           | 5783                                     | 5181          | 577           | ...           | 26            | ...           | ...          | ...          | ...          | ...          | ..            |
| Holly                             | <b>579</b>                               | 368           | 151           | 49            | ...           | ...           | ...          | 11           | ...          | ...          | ...           |
| Other commercial                  | 5752                                     | 2146          | 1605          | 783           | 609           | 301           | 112          | 7s           | <b>54</b>    | 62           | 7             |
| <b>Total hardwoods</b>            | <b>1181023</b>                           | <b>392830</b> | <b>280567</b> | <b>195583</b> | <b>121269</b> | <b>8.5036</b> | <b>47738</b> | <b>27179</b> | <b>15259</b> | <b>14274</b> | <b>1287</b>   |
| <b>All species</b>                | <b>1512041</b>                           | <b>531259</b> | <b>372490</b> | <b>244141</b> | <b>150362</b> | <b>98550</b>  | <b>52706</b> | <b>29271</b> | <b>16339</b> | <b>15415</b> | <b>1508</b>   |

**Table 34—Volume of growing-stock trees on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| 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 |
| <i>----- Million cubic feet -----</i> |                                          |               |               |               |               |               |               |               |              |               |               |
| Shortleaf pine                        | 645.4                                    | 45.7          | 120.7         | 160.8         | 158.9         | 94.6          | 42.4          | 15.1          | 3.2          | 3.9           | .             |
| Loblolly pine                         | 419.4                                    | 74.7          | 111.3         | 100.9         | 64.9          | 43.1          | 11.0          | 6.5           | 5.2          | 1.7           | ...           |
| Virginia pine                         | 1043.3                                   | 125.5         | 236.5         | 229.9         | 220.7         | 145.4         | 59.1          | 18.1          | 5.9          | 2.2           | ...           |
| Pitch pine                            | 57.6                                     | 5.5           | 10.2          | 10.9          | 10.2          | 8.8           | 8.6           | 0.9           | 1.8          | 0.5           | ...           |
| Other s. pines                        | 14.8                                     | 1.8           | 4.2           | 3.8           | 3.7           | 0.3           | 0.8           | .             | 0.3          | ...           | ...           |
| E. white pine                         | 254.3                                    | 8.0           | 19.3          | 23.2          | 28.1          | 25.0          | 31.4          | 30.1          | 28.8         | 49.5          | 11.0          |
| Redcedar                              | 237.4                                    | 81.9          | 66.8          | 42.2          | 27.5          | 11.7          | 3.8           | 3.0           | 0.2          | 0.2           | ...           |
| Hemlock-spruce                        | 141.8                                    | 10.8          | 12.0          | 15.2          | 21.7          | 19.7          | 12.3          | 16.7          | 11.4         | 20.0          | 2.0           |
| Cypress                               | 81.4                                     | ...           | 1.2           | 2.1           | 0.4           | 2.7           | 4.7           | 4.8           | 6.7          | 31.3          | 27.6          |
| <b>Total softwoods</b>                | <b>2895.3</b>                            | <b>353.9</b>  | <b>582.2</b>  | <b>589.1</b>  | <b>536.2</b>  | <b>351.4</b>  | <b>174.1</b>  | <b>95.2</b>   | <b>63.5</b>  | <b>109.2</b>  | <b>40.6</b>   |
| Select white oaks                     | 2097.8                                   | 139.2         | 231.9         | 332.9         | 341.8         | 356.7         | 261.4         | 180.7         | 110.8        | 133.1         | 9.4           |
| Select red oaks                       | 837.1                                    | 23.6          | 65.1          | 85.8          | 104.2         | 135.0         | 100.8         | 88.2          | 76.7         | 130.0         | 27.9          |
| Otherwhite oaks                       | 1572.5                                   | 108.1         | 192.9         | 250.1         | 252.8         | 231.5         | 188.8         | 127.9         | 88.2         | 114.5         | 17.7          |
| Other red oaks                        | 2049.7                                   | 101.5         | 193.7         | 288.9         | 305.0         | 346.8         | 252.5         | 217.5         | 142.3        | 174.9         | 26.6          |
| Sweet pecan                           | 3.8                                      | ...           | ...           | 0.3           | ...           | 0.7           | 0.6           | ...           | ...          | 1.1           | 1.0           |
| Water hickory                         | 2.9                                      | ...           | ...           | 0.7           | 1.3           | 0.9           | ...           | ...           | ...          | ...           | ...           |
| Other hickories                       | 1601.8                                   | 120.7         | 241.6         | 323.2         | 300.1         | 241.6         | 157.1         | 91.8          | 58.0         | 60.1          | 7.6           |
| Persimmon                             | 38.2                                     | 11.8          | 9.4           | 6.8           | 5.4           | 0.7           | 1.7           | ...           | 2.3          | ...           | ...           |
| Hard maple                            | 472.6                                    | 47.7          | 64.9          | 79.9          | 73.6          | 70.3          | 46.6          | 35.5          | 24.5         | 25.7          | 3.7           |
| Soft maple                            | 603.8                                    | 97.9          | 111.8         | 106.2         | 86.1          | 66.3          | 41.7          | 34.2          | 23.8         | 32.9          | 2.8           |
| Boxelder                              | 40.6                                     | 4.2           | 8.4           | 9.2           | 6.1           | 3.7           | 4.9           | 2.5           | ...          | 1.2           | 0.4           |
| Beech                                 | 314.8                                    | 13.0          | 25.3          | 33.9          | 32.0          | 39.8          | 32.2          | 35.9          | 23.5         | 64.8          | 14.6          |
| Sweetgum                              | 584.9                                    | 38.7          | 71.7          | 100.4         | 113.4         | 91.2          | 83.7          | 28.1          | 23.7         | 27.5          | 6.5           |
| Blackgum                              | 262.1                                    | 35.7          | 42.7          | 41.4          | 42.8          | 35.4          | 26.5          | 16.7          | 9.4          | 11.2          | 0.3           |
| Other gums/tupelos                    | 12.5                                     | 0.3           | 1.3           | 1.4           | ...           | 4.2           | 1.7           | 2.1           | 1.2          | 0.4           | ...           |
| White ash                             | 255.0                                    | 23.0          | 37.6          | 40.0          | 38.3          | 37.6          | 27.0          | 17.5          | 15.8         | 15.4          | 2.9           |
| Other ashes                           | 176.4                                    | 16.8          | 19.9          | 35.6          | 31.4          | 17.8          | 23.9          | 18.8          | 9.0          | 3.2           | ...           |
| Sycamore                              | 106.7                                    | 3.3           | 5.8           | 10.1          | 6.2           | 14.2          | 13.5          | 8.0           | 14.8         | 24.5          | 6.3           |
| Cottonwood                            | 32.6                                     | 0.4           | ...           | 0.4           | 1.2           | 0.7           | 3.4           | 2.2           | 1.5          | 7.0           | 15.8          |
| Basswood                              | 66.5                                     | 2.3           | 5.7           | 8.6           | 11.2          | 10.4          | 10.6          | 7.2           | 5.0          | 5.5           | ...           |
| Yellow-poplar                         | 1668.1                                   | 63.1          | 127.3         | 176.6         | 235.2         | 268.9         | 242.5         | 206.8         | 152.2        | 181.8         | 13.8          |
| Magnolia                              | 46.3                                     | 2.9           | 9.1           | 10.9          | 7.2           | 4.9           | 4.6           | 2.8           | 3.3          | 0.6           | ...           |
| Sweetbay                              | 1.2                                      | 0.7           | ...           | 0.4           | ...           | ...           | ...           | ...           | ...          | ...           | ...           |
| Willow                                | 42.8                                     | 2.9           | 4.1           | 8.3           | 3.9           | 4.8           | 1.2           | 2.1           | 3.7          | 10.4          | 1.4           |
| Black walnut                          | 91.7                                     | 6.2           | 11.4          | 19.3          | 18.2          | 14.9          | 11.3          | 4.2           | 3.8          | 1.8           | 0.5           |
| Black cherry                          | 98.3                                     | 16.7          | 23.4          | 18.3          | 7.3           | 11.1          | 8.6           | 9.3           | 1.6          | 2.0           | ...           |
| American elm                          | 91.7                                     | 9.7           | 14.0          | 19.8          | 12.0          | 14.4          | 6.4           | 4.4           | 3.7          | 5.0           | 2.3           |
| Other elms                            | 139.0                                    | 28.7          | 32.6          | 26.2          | 21.5          | 14.2          | 4.8           | 5.1           | 3.1          | 1.8           | 1.1           |
| River birch                           | 33.6                                     | 5.2           | 4.1           | 4.5           | 5.5           | 4.1           | 2.6           | 3.3           | 1.7          | 2.7           | .             |
| Other birches                         | 45.7                                     | 12.2          | 13.7          | 8.3           | 5.3           | 2.4           | 0.2           | 0.3           | 1.2          | 1.6           | 0.7           |
| Hackberry                             | 110.4                                    | 9.6           | 21.8          | 19.9          | 17.1          | 19.1          | 10.3          | 6.2           | 3.4          | 2.6           | 0.6           |
| Black locust                          | 88.6                                     | 9.4           | 19.9          | 19.1          | 10.7          | 11.4          | 6.3           | 4.5           | 4.6          | 2.7           | ...           |
| Other locusts                         | 17.2                                     | 1.6           | 2.9           | 4.7           | 4.4           | 1.0           | 0.6           | 1.0           | ...          | 1.0           | ...           |
| Sassafras                             | 116.5                                    | 22.9          | 24.6          | 23.0          | 19.2          | 11.2          | 7.4           | 3.7           | 3.5          | 1.1           | .             |
| Dogwood                               | 10.5                                     | 8.6           | 1.5           | ...           | 0.5           | ...           | ...           | ...           | ...          | ...           | ...           |
| Holly                                 | 2.0                                      | 0.7           | 0.5           | 0.3           | ...           | ...           | ...           | 0.4           | ...          | ...           | ...           |
| Other commercial                      | 51.6                                     | 4.1           | a.2           | 7.5           | 9.7           | 6.1           | 3.2           | 3.4           | 2.5          | 6.2           | 0.9           |
| <b>Total hardwoods</b>                | <b>13787.4</b>                           | <b>993.3</b>  | <b>1648.7</b> | <b>2122.8</b> | <b>2130.4</b> | <b>2094.1</b> | <b>1588.3</b> | <b>1172.2</b> | <b>818.6</b> | <b>1054.1</b> | <b>164.8</b>  |
| <b>All species</b>                    | <b>16682.7</b>                           | <b>1347.2</b> | <b>2231.0</b> | <b>2711.9</b> | <b>2666.6</b> | <b>2445.4</b> | <b>1762.4</b> | <b>1267.4</b> | <b>882.1</b> | <b>1163.3</b> | <b>205.4</b>  |

**Table 35—Volume of growing stock in the saw-log & portion of sawtimber trees on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |              |                 |               |               |               |                 |               |               |
|---------------------------------------|------------------------------------------|--------------|-----------------|---------------|---------------|---------------|-----------------|---------------|---------------|
|                                       | All classes                              | 9.0-10.9     | 11.0-12.9       | 13.0-14.9     | 15.0-16.9     | 17.0-18.9     | 19.0-20.9       | 21.0-28.9     | 29.0 & larger |
| <i>----- Million cubic feet -----</i> |                                          |              |                 |               |               |               |                 |               |               |
| Shortleaf pine                        | 412.9                                    | 131.2        | 140.6           | 84.5          | <b>37.5</b>   | 13.0          | 2.8             | 3.4           | ..            |
| <b>Loblolly</b> pine                  | 193.8                                    | 77.8         | <b>55.5</b>     | 38.4          | 9.9           | 5.8           | 4.8             | 1.5           | ..            |
| Virginia pine                         | 575.9                                    | 184.4        | 188.8           | 128.6         | 51.6          | 15.7          | 5.0             | 1.7           | .             |
| Pitch pine                            | 34.6                                     | 8.5          | 8.6             | 7.5           | 7.2           | 0.8           | 1.4             | 0.5           | ...           |
| Others, pines                         |                                          |              |                 |               |               |               |                 |               | ...           |
| E. white pine                         | <del>207.9</del>                         | <b>18.3</b>  | <del>24.4</del> | <b>20.0</b>   | <b>20.2</b>   | 27.4          | <del>20.3</del> | 44.3          | 10.2          |
| <b>Redcedar</b>                       | 73.9                                     | 33.4         | 23.5            | 10.4          | 3.6           | 2.7           | 0.2             | 0.2           | ...           |
| Hemlock-spruce                        | 105.5                                    | 11.9         | 18.6            | 17.4          | 11.1          | 15.7          | 10.4            | 18.3          | 2.0           |
| Cypress                               | 74.5                                     | 1.7          | 0.3             | 2.1           | 3.9           | 4.2           | 6.3             | 29.5          | 26.5          |
| Total softwoods                       | <u>1681.0</u>                            | <u>470.5</u> | <u>464.0</u>    | <u>311.2</u>  | <u>154.7</u>  | <b>85.3</b>   | <u>57.3</u>     | <u>99.4</u>   | <u>38.6</u>   |
| Select white oaks                     | <b>1125.6</b>                            | ...          | <b>251.7</b>    | 289.7         | 217.9         | 153.0         | 94.4            | 111.1         | 7.9           |
| Select red oaks                       | 546.2                                    | ..           | <b>77.5</b>     | 110.0         | 84.3          | 74.8          | 64.9            | 110.7         | 24.0          |
| Other white oaks                      | 822.3                                    | ...          | 189.3           | 188.2         | 157.0         | 106.4         | 72.3            | 95.3          | 13.8          |
| Other red oaks                        | 1208.0                                   | ...          | 227.1           | 286.7         | 215.3         | 185.9         | 121.2           | 148.9         | 22.8          |
| Sweet pecan                           | 2.7                                      | ...          | ...             | 0.6           | OS            | ...           | .               | 0.8           | 0.7           |
| Water hickory                         | 1.7                                      | ...          | 1.0             | 0.7           | ...           | ...           | ...             | ...           | ..            |
| Other hickories                       | 741.8                                    | ...          | 224.8           | 199.3         | 132.6         | 76.8          | 51.0            | 50.5          | 6.8           |
| Persimmon                             | 8.2                                      | ...          | 3.9             | 0.6           | 1.5           | ...           | 2.1             | ...           | ...           |
| Hard maple                            | 218.9                                    | ...          | 53.2            | 55.3          | 37.3          | 28.6          | 20.3            | 21.3          | 2.9           |
| Soft maple                            | 228.1                                    | ...          | 61.6            | 51.3          | 34.7          | 29.0          | 21.1            | 27.8          | 2.5           |
| <b>Boxelder</b>                       | 14.6                                     | ...          | 4.4             | 2.9           | 3.9           | 2.0           | ...             | 1.1           | 0.4           |
| Beech                                 | 196.2                                    | ...          | 22.9            | 31.9          | 26.8          | 28.9          | 19.1            | 53.9          | 12.6          |
| <b>Sweetgum</b>                       | 305.9                                    | ...          | 80.1            | 75.7          | 72.6          | <b>25.2</b>   | 21.2            | <b>25.4</b>   | 5.6           |
| <b>Blackgum</b>                       | 118.8                                    | ...          | 31.8            | 29.6          | 23.4          | 14.9          | 8.6             | 10.2          | 0.3           |
| Other gums/tupelos                    | <b>7.5</b>                               | ...          | ...             | 3.2           | 1.3           | 1.8           | 1.0             | 0.3           | ...           |
| White ash                             | <b>125.9</b>                             | ...          | 28.0            | 30.9          | 22.0          | 15.3          | 13.3            | 13.5          | 2.8           |
| Other ashes                           | 84.6                                     | ...          | 22.5            | 14.7          | 20.2          | 16.3          | 8.1             | 2.8           | ...           |
| Sycamore                              | 73.8                                     | ...          | 4.0             | 10.9          | 11.5          | 7.1           | 12.7            | 21.9          | 5.6           |
| Cottonwood                            | 28.9                                     | ...          | 1.0             | 0.6           | 3.0           | 2.0           | 1.3             | 6.5           | 14.5          |
| <b>Basswood</b>                       | 41.1                                     | ...          | 8.6             | 8.3           | 8.9           | 6.2           | 4.3             | 4.7           | ...           |
| Yellow-poplar                         | 1098.4                                   | ...          | 170.0           | 222.4         | 212.6         | 183.3         | 135.7           | 162.3         | 12.1          |
| Magnolia                              | 19.2                                     | ...          | 5.4             | 4.1           | 3.8           | 2.6           | 2.8             | 0.5           | ...           |
| Willow                                | 24.0                                     | ...          | 2.8             | 3.8           | 1.0           | 1.7           | 3.6             | 9.7           | 1.4           |
| Black walnut                          | 41.3                                     | ...          | 13.0            | 11.5          | 8.8           | 3.3           | 3.1             | 1.1           | 0.5           |
| Black cherry                          | <b>31.5</b>                              | ...          | 5.2             | 8.8           | 6.7           | 7.4           | 1.6             | 1.9           | ...           |
| American elm                          | 37.6                                     | ...          | 8.7             | 11.0          | 5.3           | 3.8           | 3.0             | 3.9           | 1.9           |
| Other elm;                            | 39.4                                     | ...          | 14.8            | 11.0          | 3.9           | 4.2           | 2.7             | 1.6           | 1.1           |
| River birch                           | 15.8                                     | ...          | 4.2             | 3.5           | 2.0           | 2.5           | 1.3             | 2.3           | ...           |
| Other birches                         | 9.0                                      | ...          | 3.7             | 1.9           | 0.2           | 0.2           | 1.1             | 1.3           | 0.6           |
| <b>Hackberry</b>                      | 45.2                                     | ...          | 12.3            | 14.6          | 7.9           | 5.0           | 2.6             | 2.1           | 0.6           |
| Black locust                          | 31.7                                     | ...          | 8.1             | 8.3           | 4.9           | 3.7           | 4.2             | <b>2.5</b>    | ...           |
| Other locusts                         | 5.7                                      | ...          | 2.9             | 0.8           | OS            | 0.8           | ...             | <b>0.8</b>    | ...           |
| Sassafras                             | 34.5                                     | ...          | 12.6            | 8.9           | 6.4           | 3.0           | 2.6             | <b>0.9</b>    | ...           |
| Dogwood                               | 0.3                                      | ...          | 0.3             | ...           | ...           | ...           | ...             | ...           | ...           |
| Holly                                 | 0.4                                      | ...          | ...             | ...           | ...           | 0.4           | ...             | ...           | ...           |
| Other commercial                      | <b>25.3</b>                              | ...          | 7.0             | 4.5           | 2.8           | 2.5           | 2.1             | 5.5           | 0.8           |
| Total hardwoods                       | <u>7359.8</u>                            | <u>...</u>   | <u>1564.3</u>   | <u>1706.5</u> | <u>1341.9</u> | <u>998.5</u>  | <u>703.4</u>    | <u>903.2</u>  | <u>142.0</u>  |
| All species                           | <u>9040.8</u>                            | <u>470.5</u> | <u>2028.3</u>   | <u>2017.7</u> | <u>1496.6</u> | <u>1083.9</u> | <u>760.7</u>    | <u>1002.6</u> | <u>180.6</u>  |

**Table 36—Volume of timber on timberland by species and class of timber,  
Tennessee Counties, 1989**

| Species                               | All<br>live  | Growing<br>stock | Rough      | Rotten     |
|---------------------------------------|--------------|------------------|------------|------------|
| <i>----- Million cubic feet -----</i> |              |                  |            |            |
| Shortleaf pine                        | 650.3        | <b>645.4</b>     | 4.9        | ...        |
| <b>Loblolly</b> pine                  | 424.0        | 419.4            | 4.7        | ...        |
| Virginia pine                         | 1063.3       | 1043.3           | 19.0       | 1.0        |
| Pitch pine                            | 59.7         | 57.6             | 2.1        | ...        |
| Others. pines                         | 14.8         | 14.8             | ...        | ...        |
| E. white pine                         | <b>256.5</b> | 254.3            | 2.1        | ..         |
| <b>Redcedar</b>                       | 284.4        | 237.4            | 43.8       | 3.1        |
| Hemlock-spruce                        | 143.4        | 141.8            | 1.1        | 0.5        |
| Cypress                               | 85.7         | 81.4             | 2.7        | 1.7        |
| Total softwoods                       | 2982.1       | 2895.3           | 80.4       | 6.3        |
| Select white oaks                     | 2204.4       | 2097.8           | 86.6       | 20.0       |
| Select red oaks                       | 863.0        | 837.1            | 16.0       | 9.9        |
| Other white oaks                      | 1722.1       | 1572.5           | 110.0      | 39.6       |
| Other red oaks                        | 2175.9       | 2049.7           | 84.5       | 41.7       |
| Sweet pecan                           | 3.8          | 3.8              | .          | ...        |
| Water hickory                         | 3.5          | 2.9              | 0.6        | ...        |
| Other hickories                       | 1680.9       | 1601.8           | 63.0       | 16.0       |
| Persimmon                             | <b>40.5</b>  | 38.2             | 2.2        | 0.1        |
| Hard maple                            | 548.0        | 472.6            | 54.6       | 20.8       |
| Soft maple                            | 735.5        | 603.8            | 94.4       | 37.3       |
| <b>Boxelder</b>                       | 67.7         | 40.6             | 26.0       | 1.1        |
| Beech                                 | 412.1        | 314.8            | 40.4       | 56.8       |
| <b>Sweetgum</b>                       | 611.3        | 584.9            | 20.4       | 6.0        |
| <b>Blackgum</b>                       | 303.6        | 262.1            | 27.3       | 14.2       |
| Other gums/tupelos                    | 14.7         | 12.5             | 1.6        | 0.5        |
| White ash                             | 292.9        | <b>255.0</b>     | 32.5       | <b>5.5</b> |
| Other ashes                           | 197.3        | 176.4            | 18.8       | 2.2        |
| Sycamore                              | 126.3        | 106.7            | 8.4        | 11.2       |
| Cottonwood                            | 33.0         | 32.6             | <b>0.5</b> | ...        |
| Basswood                              | 72.7         | 66.5             | 2.2        | 3.9        |
| Yellow-poplar                         | 1699.5       | 1668.1           | 20.5       | 10.9       |
| Magnolia                              | 49.2         | 46.3             | 1.9        | 1.0        |
| <b>Sweetbay</b>                       | 1.5          | 1.2              | 0.4        | ...        |
| Willow                                | 47.9         | 42.8             | 3.9        | 1.2        |
| Black walnut                          | 107.7        | 91.7             | 12.6       | 3.4        |
| Black cherry                          | 118.6        | 98.3             | 17.7       | 2.7        |
| American elm                          | 113.3        | 91.7             | 19.6       | 2.0        |
| <b>Other</b> elms                     | 156.8        | 139.0            | 16.8       | 1.0        |
| River birch                           | 37.0         | 33.6             | 3.0        | 0.5        |
| Other birches                         | so.1         | 45.7             | 3.3        | 1.2        |
| Hackberry                             | 154.9        | 110.4            | 38.8       | 5.7        |
| Black locust                          | 113.4        | 88.6             | 14.0       | 10.8       |
| Other locusts                         | 22.2         | 17.2             | 3.6        | 1.3        |
| Sassafras                             | 139.6        | 116.5            | 18.8       | 4.3        |
| Dogwood                               | 30.0         | 10.5             | 18.6       | 0.8        |
| Holly                                 | 3.7          | 2.0              | 1.5        | 0.2        |
| Other commercial                      | 76.5         | 51.6             | 20.6       | 4.3        |
| Total hardwoods                       | 15031.1      | 13787.4          | 905.8      | 337.9      |
| Noncommercial                         | 266.0        | ...              | 266.0      | ...        |
| All species                           | 18279.2      | 16682.7          | 1252.3     | 344.2      |

**Table 37-Volume of sawtimber for tree grade 1 on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |          |           |           |             |           |           |           |               |
|---------------------------------------|------------------------------------------|----------|-----------|-----------|-------------|-----------|-----------|-----------|---------------|
|                                       | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9   | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| <i>----- Million board feet -----</i> |                                          |          |           |           |             |           |           |           |               |
| Shortleaf pine                        | 568.2                                    | 114.6    | 194.7     | 125.8     | 92.9        | 25.6      | 11.8      | 2.8       | ...           |
| <b>Loblolly</b> pine                  | 97.3                                     | 10.0     | 54.4      | 29.2      | 3.7         | ...       | ...       | ...       | ...           |
| Virginia pine                         | 54.4                                     | 10.7     | 18.4      | 21.2      | 4.1         | ...       | ...       | ...       | ...           |
| Pitch pine                            | 10.5                                     | ...      | 1.9       | ...       | 3.3         | 5.3       | ...       | ...       | ..            |
| Others, pines                         | 4.9                                      | ...      | 4.9       | .         | ...         | ...       | ...       | ...       | ...           |
| E. white pine                         | 191.9                                    | ...      | 2.4       | 12.8      | 18.7        | 17.7      | 31.1      | 78.7      | 30.5          |
| <b>Redcedar</b>                       | 337.1                                    | 159.6    | 109.3     | 49.2      | 14.6        | 4.4       | ...       | ...       | ...           |
| Hemlock-spruce                        | 27.9                                     | ...      | ...       | ...       | .           | ...       | 8.8       | 14.3      | 4.9           |
| Cypress                               | 97.0                                     | ...      | ...       | ...       | 7.3         | 8.3       | 22.6      | 58.7      | ...           |
| Total softwoods                       | 1389.2                                   | 294.8    | 386.0     | 238.3     | 144.7       | 61.3      | 74.3      | 154.5     | 35.3          |
| Select white oaks                     | 578.3                                    | ...      | ...       | ..        | 96.4        | 183.5     | 121.2     | 161.8     | 15.4          |
| Select red oaks                       | 494.7                                    | ...      | ...       | ...       | 20.3        | 72.4      | 101.8     | 236.2     | 64.0          |
| Other white oaks                      | 417.3                                    | ...      | .         | ...       | 76.8        | 113.4     | 68.7      | 134.7     | 23.8          |
| Other red oaks                        | 570.9                                    | ...      | ...       | ..        | 40.6        | 154.0     | 97.4      | 216.1     | 62.9          |
| Sweet pecan                           | 11.2                                     | ...      | ...       | ...       | ...         | ..        | ...       | 5.7       | 5.4           |
| Other hickories                       | 260.0                                    | ...      | ...       | ..        | <b>45.3</b> | 80.8      | 54.6      | 69.1      | 10.3          |
| Hard maple                            | 42.6                                     | ...      | ...       | ...       | 8.1         | 14.1      | 10.6      | 6.1       | 3.7           |
| Soft maple                            | 43.4                                     | ...      | ...       | ...       | 13.3        | 5.8       | 5.6       | 18.7      | ..            |
| <b>Boxelder</b>                       | 16.1                                     | ...      | ...       | ...       | 9.0         | 7.1       | ...       | ...       | ...           |
| Beech                                 | 6.2                                      | ...      | ...       | ...       | ...         | ...       | ...       | ...       | 6.2           |
| <b>Sweetgum</b>                       | 172.5                                    | ...      | ...       | ...       | 69.2        | 14.7      | 33.1      | 42.7      | 12.8          |
| <b>Blackgum</b>                       | 60.0                                     | ...      | ...       | ...       | 8.2         | 18.0      | 14.9      | 17.5      | 1.4           |
| <b>White</b> ash                      | 99.3                                     | ...      | ...       | ...       | 29.2        | 13.0      | 20.9      | 36.1      | ...           |
| Other ashes                           | 62.9                                     | ...      | ...       | ...       | 12.8        | 32.4      | 10.6      | 7.1       | ...           |
| Sycamore                              | 65.5                                     | ...      | ...       | ...       | 3.6         | 3.3       | 13.7      | 36.4      | 8.5           |
| Cottonwood                            | 116.5                                    | ...      | ...       | ...       | 5.3         | 4.9       | 4.3       | 25.3      | 76.6          |
| Basswood                              | 38.0                                     | .        | ...       | ...       | 8.9         | 12.5      | 6.2       | 10.4      | ...           |
| Yellow-poplar                         | 999.2                                    | ...      | ...       | ...       | 126.4       | 224.9     | 237.6     | 399.9     | 10.4          |
| Magnolia                              | 8.8                                      | ...      | ...       | ...       | ..          | 8.8       | ..        | ...       | .             |
| Willow                                | 7.3                                      | ...      | ...       | ...       | ...         | 2.0       | ...       | 5.3       | ...           |
| Black walnut                          | 9.9                                      | ...      | ...       | ...       | 5.9         | 2.0       | ...       | 2.0       | ...           |
| Black cherry                          | 11.4                                     | ...      | ...       | ...       | 4.6         | 6.8       | ...       | ...       | .             |
| American elm                          | 15.6                                     | ...      | ...       | ...       | ...         | 4.1       | 3.6       | 7.9       | ...           |
| Other elms                            | 6.0                                      | ...      | ...       | ...       | ...         | ...       | ...       | 6.0       | .             |
| River birch                           | 14.1                                     | ...      | ...       | ...       | ...         | 1.6       | 4.2       | 8.3       | ...           |
| Other birches                         | 7.0                                      | ...      | ...       | ...       | ...         | ...       | 4.1       | ...       | 2.9           |
| Hackberry                             | 4.3                                      | ...      | ...       | ...       | 2.5         | ...       | ...       | 1.7       | ...           |
| Black locust                          | 3.3                                      | ...      | ...       | ..        | ...         | 1.3       | 2.0       | .         | ...           |
| Sassafras                             | 3.6                                      | .        | ...       | ...       | 2.0         | ...       | ...       | 1.6       | ...           |
| Other commercial                      | 30.9                                     | ...      | ...       | ...       | 1.9         | 6.1       | 5.3       | 12.0      | 5.0           |
| Total hardwoods                       | 4176.9                                   | ...      | ...       | ...       | 590.4       | 988.0     | 820.5     | 1468.7    | 309.4         |
| All species                           | 5566.1                                   | 294.8    | 386.0     | 238.3     | 735.1       | 1049.3    | 894.8     | 1623.3    | 344.7         |

**Table 38—Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |              |              |               |               |               |               |               |               |
|---------------------------------------|------------------------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                       | All classes                              | 9.0-10.9     | 11.0-12.9    | 13.0-14.9     | 15.0-16.9     | 17.0-18.9     | 19.0-20.9     | 21.0-28.9     | 29.0 & larger |
| <i>----- Million board feet -----</i> |                                          |              |              |               |               |               |               |               |               |
| Shortleaf pine                        | 393.0                                    | 107.7        | 142.7        | 89.9          | 29.6          | 18.2          | ...           | 4.9           | ...           |
| <b>Loblolly pine</b>                  | 165.3                                    | 51.0         | 37.7         | 33.0          | 22.0          | 17.9          | 3.8           | .             | ...           |
| Virginia pine                         | 182.5                                    | 19.0         | 73.5         | 49.4          | 22.3          | 15.7          | ...           | 2.6           | ...           |
| Pitch pine                            | 32.6                                     | 2.1          | 10.4         | 9.2           | 5.0           | ...           | 2.2           | 3.7           | .             |
| Others. pines                         | 4.3                                      | 3.2          | 1.2          | ...           | ...           | ...           | ...           | ...           | ...           |
| E. white pine                         | 419.9                                    | 40.7         | 44.9         | 32.6          | 71.6          | 65.9          | 62.7          | 92.1          | 9.4           |
| Hemlock-spruce                        | 43.5                                     | 8.1          | 12.1         | 3.1           | 7.2           | ...           | 2.7           | 10.3          | ...           |
| Cypress                               | 108.2                                    | ...          | ...          | 2.7           | 3.5           | 3.1           | 2.6           | 25.4          | 70.9          |
| <b>Total softwoods</b>                | <b>1349.3</b>                            | <b>231.8</b> | <b>322.5</b> | <b>219.9</b>  | <b>161.1</b>  | <b>120.7</b>  | <b>74.0</b>   | <b>139.0</b>  | <b>80.3</b>   |
| Select white oaks                     | 1435.6                                   | ...          | ...          | 388.8         | 386.0         | 300.8         | 185.0         | 170.7         | 4.3           |
| Select red oaks                       | 768.8                                    | ...          | ...          | 152.6         | 129.3         | 134.1         | 114.6         | 218.5         | 19.6          |
| Other white oaks                      | 845.1                                    | ...          | ...          | 183.4         | 217.9         | 136.5         | 149.1         | 142.1         | 16.1          |
| Other red oaks                        | 1246.5                                   | ...          | ...          | 232.5         | 281.9         | 272.0         | 195.2         | 237.3         | 27.7          |
| Sweet pecan                           | 2.7                                      | ...          | ...          | ...           | 2.7           | ..            | ...           | ...           | ...           |
| Other hickories                       | 829.1                                    | ...          | ...          | 247.2         | 249.7         | 145.3         | 85.0          | 97.1          | 4.8           |
| Hard maple                            | 167.1                                    | ...          | ..           | 36.0          | 54.6          | 23.3          | 27.6          | 25.6          | ...           |
| Soft maple                            | 133.8                                    | ...          | ..           | 24.9          | 34.5          | 15.5          | 34.2          | 24.6          | .             |
| <b>Boxelder</b>                       | 2.6                                      | ...          | ...          | ...           | 2.6           | ...           | ...           | ...           | ...           |
| Beech                                 | 415                                      | ...          | ...          | 7.8           | 13.8          | 8.3           | 8.7           | 2.9           | ...           |
| <b>Sweetgum</b>                       | 356.1                                    | ..           | ...          | 113.6         | 122.5         | 54.9          | 22.4          | 42.7          | ...           |
| <b>Blackgum</b>                       | 103.8                                    | ...          | .            | 34.6          | 41.2          | 11.5          | 6.6           | 9.9           | ...           |
| White ash                             | <b>215.5</b>                             | ...          | ...          | 89.3          | 36.8          | 42.6          | 17.7          | 29.1          | ...           |
| Other ashes                           | <b>125.4</b>                             | ...          | ...          | 41.3          | 37.7          | 30.6          | 12.9          | 2.8           | ...           |
| Sycamore                              | 131.7                                    | ...          | ...          | 28.2          | 20.5          | 19.7          | 18.9          | 30.3          | 14.1          |
| Cottonwood                            | 16.9                                     | ...          | ...          | ...           | 4.2           | 3.0           | .             | 9.7           | ...           |
| Basswood                              | 68.1                                     | ...          | ...          | 11.0          | 20.4          | 16.7          | 12.5          | 7.5           | ...           |
| Yellow-poplar                         | 1395.6                                   | ...          | ...          | 236.5         | 356.4         | 295.4         | 235.2         | 256.9         | 15.2          |
| Magnolia                              | 26.2                                     | ...          | ...          | 4.8           | 9.4           | 3.0           | 6.0           | 3.0           | ...           |
| Willow                                | 11.4                                     | ..           | ...          | 3.8           | ...           | 3.8           | ...           | 3.9           | ...           |
| Black walnut                          | 39.1                                     | ...          | ...          | 9.8           | 16.7          | 3.1           | 9.6           | ...           | ...           |
| Black cherry                          | 50.6                                     | ...          | ...          | 17.9          | 11.6          | 21.1          | ...           | ..            | ...           |
| American elm                          | 31.1                                     | ...          | ...          | 4.1           | 12.7          | 10.2          | 2.5           | 1.6           | ...           |
| Other elms                            | 17.9                                     | ...          | ...          | 6.6           | 8.9           | ...           | 1.1           | 1.2           | ...           |
| River birch                           | 17.3                                     | ...          | ...          | 6.5           | ...           | 3.0           | 1.8           | 6.0           | ...           |
| Other birches                         | 5.7                                      | ...          | ...          | 3.1           | ...           | ...           | 2.6           | ...           | ...           |
| Hackberry                             | 33.2                                     | ...          | ...          | 7.4           | 7.9           | 8.8           | 5.5           | 3.5           | ...           |
| Black locust                          | 14.5                                     | .            | ...          | 1.6           | 5.7           | 4.5           | 2.6           | .             | ..            |
| Sassafras                             | 41.4                                     | ...          | ...          | 13.6          | 15.4          | 5.8           | 6.7           | ...           | ...           |
| Other commercial                      | 13.1                                     | ...          | .            | 7.6           | ...           | ...           | ...           | 5.5           | ...           |
| <b>Total hardwoods</b>                | <b>8187.4</b>                            | <b>...</b>   | <b>...</b>   | <b>1914.6</b> | <b>2101.0</b> | <b>1573.7</b> | <b>1164.1</b> | <b>1332.2</b> | <b>101.8</b>  |
| <b>All species</b>                    | <b>9536.8</b>                            | <b>231.8</b> | <b>322.5</b> | <b>2134.5</b> | <b>2262.1</b> | <b>1694.4</b> | <b>1238.1</b> | <b>1471.2</b> | <b>182.2</b>  |

**Table 39—Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, Tennessee Counties, 1989**

| Species                               | Diameter class (inches at breast height) |          |           |           |           |           |           |           |               |
|---------------------------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                       | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| <i>----- Million board feet -----</i> |                                          |          |           |           |           |           |           |           |               |
| Shortleaf pine                        | 1451.9                                   | 500.6    | 477.3     | 301.1     | 107.5     | 41.9      | 7.4       | 16.0      | ...           |
| Loblolly pine                         | 811.4                                    | 344.0    | 225.8     | 157.0     | 34.3      | 18.5      | 2.5       | 6.5       | ...           |
| Virginia pine                         | 2982.0                                   | 957.3    | 969.0     | 663.0     | 274.0     | 79.0      | 32.9      | 6.9       | ...           |
| Pitch pine                            | 149.7                                    | 37.1     | 32.4      | 33.4      | 38.7      | .         | 8.1       | ...       | ...           |
| Others, pines                         | 33.5                                     | 13.6     | 12.5      | 1.5       | 3.8       | .         | 2.1       | ...       | ...           |
| E. white pine                         | 518.3                                    | 53.0     | 80.6      | 73.2      | 73.3      | 76.6      | 52.4      | 97.1      | 12.0          |
| Hemlock-spruce                        | 498.7                                    | 51.5     | 86.3      | 93.6      | 55.3      | 85.7      | 43.9      | 76.0      | 6.5           |
| Cypress                               | 204.9                                    | 9.3      | 1.1       | 8.4       | 10.4      | 10.3      | 9.4       | 86.6      | 69.3          |
| Total softwoods                       | 6650.3                                   | 1966.4   | 1885.0    | 1331.2    | 597.3     | 312.0     | 181.5     | 289.0     | 87.8          |
| Select white oaks                     | 3074.2                                   | ...      | 988.1     | 907.3     | 548.4     | 314.7     | 139.7     | 170.8     | 5.1           |
| Select red oaks                       | 1263.3                                   | ...      | 297.7     | 342.4     | 206.9     | 164.3     | 123.1     | 110.1     | 18.8          |
| Other white oaks                      | 2385.7                                   | ...      | 780.5     | 645.5     | 421.9     | 258.7     | 124.6     | 134.8     | 19.7          |
| Other red oaks                        | 3027.4                                   | ...      | 740.3     | 842.7     | 535.6     | 373.9     | 251.5     | 274.9     | 8.5           |
| Sweet pecan                           | 3.5                                      | ...      | ...       | 3.5       | ...       | ...       | ...       | ...       | ...           |
| Water hickory                         | 3.6                                      | ...      | 1.2       | 2.4       | ...       | ...       | ...       | ...       | ...           |
| Other hickories                       | 2216.4                                   | ...      | 935.2     | 670.1     | 280.3     | 161.2     | 91.9      | 57.9      | 19.9          |
| Persimmon                             | 26.0                                     | ...      | 16.9      | ...       | 9.1       | ...       | ..        | .         | ...           |
| Hard maple                            | 636.1                                    | ...      | 169.0     | 1.595     | 113.4     | 75.7      | 59.9      | 52.7      | 5.8           |
| Soft maple                            | 571.0                                    | ...      | 193.2     | 151.3     | 68.9      | 74.9      | 40.0      | 39.5      | 3.1           |
| Boxelder                              | 14.5                                     | ...      | 6.6       | 3.1       | 4.8       | .         | ...       | ...       | ...           |
| Beech                                 | 263.6                                    | ...      | 23.4      | 27.2      | 46.0      | 33.2      | 29.8      | 80.9      | 23.1          |
| Sweetgum                              | 849.8                                    | ...      | 329.5     | 224.3     | 175.2     | so.7      | 40.4      | 23.5      | 6.1           |
| Blackgum                              | 286.1                                    | ...      | 103.0     | 85.8      | 44.0      | 28.0      | 18.8      | 6.6       | ...           |
| Other gums/tupelos                    | 21.4                                     | ...      | ...       | 9.2       | 4.2       | 2.3       | 4.5       | 1.2       | ...           |
| White ash                             | 283.2                                    | ...      | 119.4     | 52.8      | 40.3      | 19.1      | 34.5      | 2.7       | 14.4          |
| Other ashes                           | 230.7                                    | ..       | 107.1     | 33.4      | 49.9      | 24.0      | 14.3      | 2.1       | ...           |
| Sycamore                              | 140.6                                    | ...      | 14.5      | 20.4      | 30.7      | 11.7      | 36.9      | 21.5      | 4.8           |
| Cottonwood                            | 20.3                                     | ...      | 2.9       | 3.9       | ...       | 4.0       | 3.5       | 3.0       | 3.0           |
| Basswood                              | 109.7                                    | .        | 47.1      | 35.1      | 10.2      | 9.6       | 4.4       | 3.4       | ...           |
| Yellow-poplar                         | 2642.7                                   | ...      | 683.1     | 746.3     | 445.0     | 325.2     | 199.1     | 229.4     | 14.6          |
| Magnolia                              | 53.1                                     | .        | 21.1      | 12.5      | 7.1       | ...       | 12.4      | .         | ...           |
| Willow                                | 44.8                                     | ...      | 2.4       | 1.7       | 4.1       | 4.7       | 16.6      | 15.4      | ...           |
| Black walnut                          | 135.5                                    | ...      | 48.6      | 45.2      | 24.3      | 12.5      | 2.5       | 2.5       | ...           |
| Black cherry                          | 53.1                                     | ...      | 15.5      | 20.5      | 11.0      | 6.1       | ...       | ...       | ...           |
| American elm                          | 88.1                                     | ...      | 32.3      | 29.0      | 8.3       | 2.5       | 9.2       | 4.7       | 1.9           |
| Other elms                            | 109.9                                    | ...      | 60.8      | 31.0      | 6.7       | 2.2       | 9.2       | ...       | ...           |
| River birch                           | 29.7                                     | ...      | 13.4      | 4.9       | 5.6       | 3.5       | 2.3       | ...       | ...           |
| Other birches                         | 20.0                                     | ...      | 10.3      | 4.0       | 0.9       | ...       | ...       | 4.8       | ...           |
| Hackberry                             | 77.7                                     | ...      | 19.6      | 26.1      | 16.6      | 12.1      | 2.0       | 1.3       | ...           |
| Black locust                          | 80.5                                     | ...      | 24.6      | 16.5      | 12.2      | 9.5       | 7.7       | 9.9       | ...           |
| Other locusts                         | 3.1                                      | ..       | 1.3       | 1.8       | ...       | ...       | ...       | ...       | ...           |
| Sassafras                             | 106.0                                    | ...      | 55.2      | 23.8      | 11.1      | 9.8       | 6.1       | ...       | ...           |
| Dogwood                               | 1.5                                      | ...      | 1.5       | ...       | ...       | ...       | ...       | ...       | ...           |
| Other commercial                      | 57.3                                     | ...      | 23.4      | 7.8       | 9.3       | 5.4       | 4.6       | 6.7       | ...           |
| Total hardwoods                       | 18930.3                                  | .        | 5889.0    | 5190.9    | 3152.0    | 1999.7    | 1289.6    | 1260.4    | 148.7         |
| All species                           | 2.55805                                  | 1966.4   | 7774.0    | 6522.1    | 3749.4    | 2311.7    | 1471.0    | 1549.4    | 236.5         |

**Table 40—Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, Tennessee Counties, 1989**

|                                |             | Diameter class (inches at breast height) |           |           |           |           |           |           |               |
|--------------------------------|-------------|------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
| 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 |
| ----- Million board feet ----- |             |                                          |           |           |           |           |           |           |               |
| E. white pine                  | 19.2        | ...                                      | 2.6       | 4.0       | ..        | 2.6       | 10.0      |           | ...           |
| Total softwoods                | 19.2        | ...                                      | 2.6       | 4.0       | ...       | 2.6       | 10.0      | ...       | ...           |
| Select white oaks              | 1278.0      | ...                                      | 373.4     | 316.4     | 251.8     | 117.3     | 116.4     | 95.1      | 7.7           |
| Select red oaks                | 567.6       | .                                        | 126.0     | 131.4     | 106.8     | 66.4      | 45.7      | 71.8      | 19.5          |
| Other white oaks               | 913.2       | ...                                      | 232.2     | 203.3     | 181.6     | 115.6     | 71.6      | 94.3      | 14.6          |
| Other red oaks                 | 1898.1      | ...                                      | 450.3     | 504.6     | 336.2     | 287.8     | 155.4     | 144.9     | 18.9          |
| Water hickory                  | 5.8         | ...                                      | 4.7       | 1.1       | ...       | ...       | ...       |           | ...           |
| Other hickories                | 934.1       | ...                                      | 312.9     | 229.2     | 191.0     | 85.3      | 57.4      | 58.2      | ...           |
| Persimmon                      | 17.8        | ...                                      | ...       | 3.7       | ...       | ...       | 14.1      | ...       | .             |
| Hard maple                     | 401.2       | ...                                      | 130.1     | 117.3     | 45.2      | 43.1      | 22.3      | 43.2      |               |
| Soft maple                     | 379.5       | ...                                      | 115.8     | 82.2      | 60.5      | 36.5      | 31.2      | 51.0      | 2.2           |
| Boxelder                       | 41.2        | ...                                      | 17.3      | 9.6       | 6.7       | 2.4       | ...       | 5.2       | ...           |
| Beech                          | 655.8       | ...                                      | 96.6      | 139.5     | 86.8      | 104.1     | 68.5      | 148.6     | 11.7          |
| Sweetgum                       | 282.5       | ...                                      | 97.3      | 75.5      | 45.0      | 25.9      | 9.8       | 26.2      | 2.7           |
| Blackgum                       | 137.3       | ...                                      | 53.5      | 33.7      | 27.0      | 15.3      | 4.8       | 3.0       |               |
| Other gums/tupelos             | 8.6         | ...                                      | ...       | 3.6       | 0.6       | 4.4       |           | ...       | ...           |
| White ash                      | 98.4        | ...                                      | 33.0      | 35.4      | 12.6      | 10.3      | .         | 7.1       | ..            |
| Other ashes                    | 41.7        | ..                                       | 14.1      | 5.5       | 15.5      | 6.6       | ...       | ...       | ...           |
| Sycamore                       | 53.2        | ...                                      | 5.2       | 10.7      | 6.7       | 4.7       | ...       | 19.3      | 6.6           |
| Cottonwood                     | 4.3         | ...                                      | ...       | ...       | 4.3       | ...       | ..        | ...       | ...           |
| Basswood                       | 21.8        | ...                                      | 5.3       | 3.8       | 5.3       | ...       | 2.0       | 5.3       | ...           |
| Yellow-poplar                  | 1339.9      | ...                                      | 271.9     | 299.3     | 297.9     | 243.4     | 103.6     | 100.5     | 23.1          |
| Magnolia                       | 14.4        | ...                                      | 5.1       | 9.3       | ...       | ...       | ..        | ...       | ...           |
| Willow                         | 66.1        | ...                                      | 9.2       | 15.1      | 2.9       | ...       | 2.6       | 30.4      | 5.9           |
| Black walnut                   | 31.3        | ...                                      | 16.8      | 10.3      | ...       | 1.9       | 2.4       | .         |               |
| Black cherry                   | 36.1        | ...                                      | 7.5       | 9.3       | 5.5       | 5.8       | 4.3       | 3.5       | ...           |
| American elm                   | 69.6        |                                          | 12.3      | 27.2      | 11.7      | 2.5       | 4.1       | 6.1       | 5.8           |
| Other elms                     | 70.5        |                                          | 19.6      | 19.6      | 2.1       | 15.4      | 6.9       | ...       | 7.0           |
| River birch                    | 13.4        | ...                                      | 4.1       | 3.9       | 2.5       | 2.9       | ...       | ...       | ...           |
| Other birches                  | 17.2        | ...                                      | 10.8      | 2.6       | ...       | ...       | ...       | 2.5       | 1.3           |
| Hackberry                      | 121.5       | ...                                      | 40.5      | 45.1      | 13.7      | 7.1       | 8.7       | 2.4       | 4.0           |
| Black locust                   | 49.0        | ...                                      | 15.0      | 22.3      | 7.3       | ...       | 4.4       | ..        |               |
| Other locusts                  | 30.2        | ...                                      | 14.2      | 2.7       | 3.4       | 4.7       | ...       | 5.2       | ...           |
| Sassafras                      | 20.2        | ...                                      | 8.2       | 6.2       | 1.3       | ...       | ...       | 4.5       | ...           |
| Holly                          | 2.4         | ...                                      | ...       | ...       | ...       | 2.4       | ...       | ...       | ...           |
| Other commercial               | 34.3        | ...                                      | 16.5      | 5.3       | 1.9       | 2.8       | 2.3       | 5.5       | ...           |
| Total hardwoods                | 9655.9      | ...                                      | 2519.2    | 2384.5    | 1734.0    | 1214.7    | 738.5     | 933.8     | 131.1         |
| All species                    | 9675.0      | ...                                      | 2521.8    | 2388.5    | 1734.0    | 1217.3    | 748.5     | 933.8     | 131.1         |

**Table 41 — Area of timberland by county and special forest type group, Tennessee Counties, 1989**

| County                     | Total        | Special forest type group  |                                          |              |              |                              |                               |                     |                             | Nontyped <sup>6</sup> |
|----------------------------|--------------|----------------------------|------------------------------------------|--------------|--------------|------------------------------|-------------------------------|---------------------|-----------------------------|-----------------------|
|                            |              | White<br>pine <sup>1</sup> | Yellow <sup>2</sup><br>pine <sup>2</sup> | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory <sup>3</sup> | Yellow<br>poplar <sup>4</sup> | Oak-gum-<br>cypress | Other<br>types <sup>5</sup> |                       |
| ----- Thousand acres ----- |              |                            |                                          |              |              |                              |                               |                     |                             |                       |
| Anderson                   | 124.0        | ...                        | 13.1                                     | ..           | 6.5          | 84.8                         | 13.1                          | ...                 | 6.5                         | ...                   |
| Bedford                    | 74.6         | ...                        | ...                                      | 16.0         | 10.7         | 42.6                         | ..                            | 5.3                 | ...                         | ...                   |
| <b>Benton</b>              | 172.7        | ..                         | 12.8                                     | ..           | 12.8         | 134.3                        | 6.4                           | 6.4                 | ...                         | ...                   |
| Bledsoe                    | 186.3        | ...                        | 40.7                                     | ...          | 29.1         | 104.8                        | 11.6                          | ..                  | ...                         | ...                   |
| Blount                     | 69.9         | 3.0                        | 9.1                                      | ...          | 24.3         | 30.4                         | 3.0                           | ...                 | ...                         | ...                   |
| Bradley                    | 92.5         | ...                        | 30.8                                     | ...          | 15.4         | 46.3                         | ...                           | ...                 | ...                         | ...                   |
| Campbell                   | 250.2        | ...                        | 23.3                                     | ...          | 29.1         | 168.8                        | 29.1                          | ...                 | ...                         | ...                   |
| Cannon                     | <b>88.5</b>  | ...                        | ...                                      | 5.2          | 10.4         | 72.9                         | ...                           | ...                 | ...                         | ...                   |
| <b>Carroll</b>             | 169.1        | ...                        | 5.8                                      | ...          | 5.8          | 122.4                        | ...                           | 35.0                | ...                         | ...                   |
| Carter                     | 155.5        | ...                        | 8.6                                      | ...          | 17.2         | 106.7                        | 13.8                          | ...                 | 9.2                         | ..                    |
| <b>Cheatham</b>            | 118.2        | ...                        | ...                                      | ...          | ...          | 112.3                        | 5.9                           | ...                 | ...                         | ...                   |
| Chester                    | 99.4         | ...                        | 9.9                                      | ...          | 29.8         | 39.8                         | 9.9                           | 5.0                 | 5.0                         | ...                   |
| Claiborne                  | 167.5        | ...                        | ..                                       | 7.3          | 21.9         | 109.3                        | 7.3                           | ..                  | 21.9                        | ...                   |
| Clay                       | 105.1        | ...                        | ...                                      | ..           | 8.1          | 97.0                         | ...                           | ...                 | ...                         | ..                    |
| <b>Cocke</b>               | 163.4        | ...                        | 17.0                                     | ...          | <b>25.9</b>  | 90.2                         | 24.6                          | 5.7                 | ...                         | ...                   |
| Coffee                     | 114.2        | ...                        | ...                                      | ...          | ...          | 103.8                        | 5.2                           | 5.2                 | ...                         | ...                   |
| Crockett                   | 15.1         | ...                        | ...                                      | ...          | ...          | 15.1                         | ...                           | ...                 | ...                         | ...                   |
| Cumberland                 | 320.3        | 5.8                        | 46.6                                     | ...          | 58.2         | 198.0                        | 11.6                          | ...                 | ...                         | ...                   |
| Davidson                   | 108.1        | ...                        | ...                                      | ...          | 12.7         | 95.4                         | ...                           | ...                 | ...                         | ...                   |
| De Kalb                    | 114.2        | ...                        | ..                                       | 11.4         | 22.8         | 74.2                         | ...                           | 5.7                 | ...                         | ...                   |
| Decatur                    | 134.8        | ...                        | 5.4                                      | ..           | 5.4          | 107.9                        | 10.8                          | 5.4                 | ...                         | ...                   |
| Dickson                    | 174.3        | ...                        | ...                                      | ...          | 6.0          | 168.3                        | ...                           | ...                 | ...                         | ...                   |
| <b>Dyer</b>                | 40.4         | ...                        | ...                                      | ...          | ...          | 10.1                         | ...                           | 30.3                | ...                         | ...                   |
| Fayette                    | 152.0        | ...                        | 21.7                                     | ...          | 10.9         | 108.6                        | ...                           | 10.9                | ...                         | ...                   |
| <b>Fentress</b>            | 244.1        | ...                        | 52.3                                     | ...          | 40.7         | <b>139.5</b>                 | 11.6                          | ...                 | ...                         | ...                   |
| Franklin                   | 183.0        | ...                        | ...                                      | ...          | 11.4         | <b>165.9</b>                 | 5.7                           | ...                 | ...                         | ...                   |
| Gibson                     | 36.4         | ...                        | ...                                      | ..           | ...          | 36.4                         | ...                           | ...                 | ...                         | ...                   |
| <b>Giles</b>               | 171.8        | 4.9                        | 4.9                                      | ...          | 4.9          | 152.2                        | ..                            | 4.9                 | ...                         | ...                   |
| Grainger                   | 102.6        | ...                        | ...                                      | ...          | 16.2         | 86.4                         | ...                           | ...                 | ...                         | ...                   |
| Greene                     | 171.8        | ...                        | 17.1                                     | 11.4         | 21.3         | 102.3                        | 14.2                          | ...                 | 5.7                         | ...                   |
| <b>Grundy</b>              | <b>165.9</b> | ...                        | 11.4                                     | ...          | 5.7          | 137.3                        | 5.7                           | ...                 | ...                         | 5.7                   |
| Hamblen                    | 32.8         | ...                        | 8.2                                      | ...          | 8.2          | 16.4                         | ..                            | ...                 | ...                         | ...                   |
| Hamilton                   | 210.7        | ...                        | 32.9                                     | 6.6          | <b>39.5</b>  | 118.5                        | 6.6                           | 6.6                 | ...                         | ...                   |
| Hancock                    | 92.9         | ...                        | ...                                      | ...          | 5.8          | 63.9                         | 11.6                          | ...                 | 11.6                        | ...                   |
| Hardeman                   | 247.1        | ...                        | 30.9                                     | ...          | 30.9         | 148.3                        | 6.2                           | 30.9                | ...                         | ...                   |
| <b>Hardin</b>              | 219.9        | ...                        | 47.8                                     | ...          | 38.2         | <b>100.4</b>                 | ...                           | 33.5                | ...                         | ...                   |
| Hawkins                    | <i>in. 3</i> | ...                        | 11.4                                     | ...          | 34.3         | 120.1                        | 5.7                           | ...                 | 5.7                         | ...                   |
| <b>Haywood</b>             | 71.2         | ...                        | ...                                      | ...          | ...          | 11.9                         | ...                           | 59.3                | ...                         | ...                   |
| Henderson                  | 158.4        | ...                        | 39.6                                     | 5.7          | 5.7          | 79.2                         | 5.7                           | 22.6                | ..                          | ...                   |
| Henry                      | 176.1        | ...                        | 6.5                                      | ...          | ...          | 110.9                        | 13.0                          | 45.6                | ..                          | ..                    |
| Hickman                    | 297.2        | ...                        | 5.6                                      | ...          | ...          | 274.8                        | 16.8                          | ...                 | ...                         | ..                    |
| Houston                    | 94.2         | ...                        | ...                                      | ...          | ...          | 94.2                         | ...                           | ...                 | ...                         | ...                   |
| Humphreys                  | 241.2        | ...                        | ...                                      | ...          | ...          | 241.2                        | ...                           | ...                 | ...                         | ...                   |
| Jackson                    | 135.9        | ...                        | ...                                      | ...          | 31.4         | 99.3                         | 5.2                           | ...                 | ...                         | ..                    |
| Jefferson                  | 62.2         | ...                        | 11.3                                     | ...          | 5.7          | 45.2                         | ...                           | ...                 | ..                          | ...                   |
| Johnson                    | 144.4        | ...                        | ...                                      | ...          | 26.8         | 94.0                         | 10.1                          | ...                 | 13.4                        | ...                   |
| Knox                       | 127.0        | ...                        | 15.9                                     | ...          | 31.7         | 55.6                         | 23.8                          | ...                 | ...                         | ..                    |
| Lake                       | 18.0         | ...                        | ...                                      | ...          | ...          | ...                          | ...                           | 18.0                | ...                         | ..                    |

**Table 41 — Area of timberland by county and special forest type group, Tennessee Counties, 1989 - Continued**

| County                     | Total   | Special forest type group  |                             |              |              |                              |                               |                     |                                 | Nontyped <sup>6</sup> |
|----------------------------|---------|----------------------------|-----------------------------|--------------|--------------|------------------------------|-------------------------------|---------------------|---------------------------------|-----------------------|
|                            |         | White<br>pine <sup>1</sup> | Yellow<br>pine <sup>2</sup> | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory <sup>3</sup> | Yellow<br>poplar <sup>4</sup> | Oak-gum-<br>cypress | Other hwd<br>types <sup>5</sup> |                       |
| ----- Thousand acres ----- |         |                            |                             |              |              |                              |                               |                     |                                 |                       |
| Lauderdale                 | 88.8    | ...                        | ...                         | ...          | ...          | 24.2                         | 8.1                           | 32.3                | 24.2                            | ...                   |
| Lawrence                   | 199.8   | ...                        | ...                         | ...          | 6.9          | 158.5                        | 27.6                          | 6.9                 | .                               | ...                   |
| Lewis                      | 158.0   | ...                        | 5.9                         | ...          | 5.9          | 134.6                        | ...                           | 11.7                | ..                              | ...                   |
| Lincoln                    | 136.7   | ...                        | ...                         | 17.8         | 17.8         | 89.1                         | ...                           | 11.9                | .                               | ...                   |
| Loudon                     | 62.3    | ...                        | 17.0                        | 5.7          | 11.3         | 17.0                         | 5.7                           | .                   | 5.7                             | ...                   |
| Macon                      | 77.0    | ...                        | ...                         | ...          | ...          | 63.0                         | 14.0                          | ...                 | ...                             | ...                   |
| Madison                    | 140.7   | ...                        | ...                         | 6.1          | 24.5         | 61.2                         | ...                           | 48.9                | ...                             | ...                   |
| Marion                     | 251.7   | ...                        | 6.0                         | ...          | 36.0         | 179.8                        | 24.0                          | 6.0                 | ...                             | ...                   |
| Marshall                   | 89.6    | ...                        | ...                         | 5.0          | 24.9         | 59.7                         | ...                           | .                   | ...                             | ...                   |
| Maury                      | 133.0   | ...                        | ...                         | 6.7          | 6.7          | 119.7                        | ...                           | ...                 | ...                             | ...                   |
| McMinn                     | 136.5   | ...                        | 67.2                        | ...          | 16.8         | 46.9                         | ...                           | 5.6                 | ...                             | ...                   |
| McNairy                    | 224.4   | ...                        | 46.0                        | ...          | 40.3         | 120.8                        | ...                           | 17.3                | ...                             | ...                   |
| Meigs                      | 82.9    | ...                        | 17.8                        | ..           | 23.7         | 35.5                         | 5.9                           | ...                 | ...                             | ...                   |
| Monroe                     | 279.0   | 7.1                        | 77.9                        | ...          | 76.8         | 91.8                         | 14.6                          | ..                  | 10.7                            | ...                   |
| Montgomery                 | 136.9   | ...                        | ...                         | ...          | 12.4         | 118.2                        | 6.2                           | ...                 | ...                             | ...                   |
| Moore                      | 36.6    | ...                        | ...                         | ...          | ...          | 31.4                         | 5.2                           | ..                  | ...                             | ...                   |
| Morgan                     | 276.2   | ...                        | 5.6                         | ...          | 84.5         | 186.0                        | ...                           | ...                 | ...                             | ...                   |
| Obion                      | 67.6    | ...                        | ...                         | ...          | ...          | 30.7                         | ...                           | 36.8                | ..                              | ...                   |
| Overton                    | 170.4   | ...                        | 6.8                         | ...          | 13.6         | 109.0                        | 40.9                          | ...                 | ...                             | ...                   |
| Perry                      | 223.6   | ...                        | 11.5                        | ...          | 5.7          | 189.2                        | 11.5                          | 5.7                 | ...                             | ...                   |
| Pickett                    | 68.4    | ...                        | ...                         | ...          | 6.8          | 54.7                         | 6.8                           | .                   | ...                             | ...                   |
| Polk                       | 214.1   | 12.8                       | 82.7                        | ...          | 47.8         | 46.1                         | 14.5                          | ...                 | 10.2                            | ...                   |
| Putnam                     | 152.3   | ...                        | 5.4                         | 5.4          | 16.3         | 97.9                         | 27.2                          | ...                 | ...                             | ...                   |
| Rhea                       | 126.4   | ...                        | 11.0                        | ...          | 27.5         | 76.9                         | 11.0                          | ...                 | ...                             | ...                   |
| Roane                      | 153.1   | .                          | 10.6                        | ...          | 26.4         | 95.0                         | 21.1                          | ...                 | ...                             | ...                   |
| Robertson                  | 53.0    | ...                        | ...                         | ...          | ...          | 53.0                         | ...                           | ...                 | ..                              | ...                   |
| Rutherford                 | 155.7   | ...                        | ...                         | 50.0         | 38.9         | 66.7                         | ...                           | ...                 | ...                             | ...                   |
| Scott                      | 300.3   | 5.5                        | 16.4                        | ...          | 38.2         | 207.5                        | 32.8                          | ...                 | ...                             | ...                   |
| Sequatchie                 | 137.3   | 5.7                        | 51.5                        | ...          | ...          | 74.4                         | 5.7                           | ...                 | ...                             | ...                   |
| Sevier                     | 127.5   | ...                        | 14.2                        | ...          | 51.9         | 47.2                         | 14.2                          | ...                 | ...                             | ...                   |
| Shelby                     | 111.6   | ...                        | ...                         | ...          | ...          | 52.5                         | 6.6                           | 45.9                | 6.6                             | ...                   |
| Smith                      | 81.0    | ...                        | ...                         | 13.5         | 6.8          | 54.0                         | 6.8                           | ...                 | ...                             | ...                   |
| Stewart                    | 219.7   | ...                        | ...                         | 6.3          | ...          | 200.8                        | 12.6                          | ...                 | ...                             | ...                   |
| Sullivan                   | 123.6   | 7.4                        | 4.8                         | ...          | 20.8         | 82.1                         | 8.5                           | ...                 | .                               | ...                   |
| Sumner                     | 88.2    | ...                        | ...                         | 12.6         | ...          | 63.0                         | 12.6                          | ...                 | ...                             | ...                   |
| Tipton                     | 50.9    | ...                        | ...                         | ...          | ...          | 29.1                         | 7.3                           | 7.3                 | 7.3                             | ...                   |
| Trousdale                  | 30.0    | ...                        | ...                         | ...          | 12.0         | 18.0                         | .                             | ...                 | ...                             | ...                   |
| Unicoi                     | 89.4    | 6.3                        | ...                         | ...          | 20.8         | 37.4                         | 25.0                          | ...                 | ...                             | ...                   |
| Union                      | 102.5   | ...                        | 10.8                        | ...          | 21.6         | 59.3                         | ...                           | ...                 | 10.8                            | ...                   |
| Van Buren                  | 135.4   | 5.4                        | 32.5                        | ...          | 10.8         | 81.3                         | 5.4                           | ...                 | ..                              | ...                   |
| Warren                     | 93.6    | ...                        | ...                         | ...          | 5.2          | 83.2                         | .                             | 5.2                 | ...                             | ...                   |
| Washington                 | 50.3    | ...                        | ...                         | ...          | 8.9          | 32.0                         | 9.5                           | ...                 | ...                             | ...                   |
| Wayne                      | 372.6   | ...                        | 37.9                        | ...          | 18.9         | 290.5                        | 18.9                          | 6.3                 | ...                             | ...                   |
| Weakley                    | 95.9    | ...                        | 7.4                         | ...          | ...          | 36.9                         | 7.4                           | 44.3                | .                               | ...                   |
| White                      | 129.4   | ...                        | 22.5                        | ...          | 5.6          | 90.0                         | 5.6                           | 5.6                 | ...                             | ...                   |
| Williamson                 | 142.0   | ...                        | 5.3                         | 10.5         | 15.8         | 94.7                         | 10.5                          | 5.3                 | ...                             | ...                   |
| Wilson                     | 97.0    | ...                        | ...                         | 15.3         | 61.2         | 20.4                         | ...                           | ...                 | ..                              | ...                   |
| All counties               | 13265.3 | 63.9                       | 1115.3                      | 218.5        | 1591.4       | 8748.8                       | 727.9                         | 639.3               | 154.5                           | 5.7                   |

<sup>1</sup>White pine forest type group includes white pine, white pine-hemlock, and hemlock forest types.

<sup>2</sup>Yellow pine forest type group includes loblolly pine, shortleaf pine, Virginia pine, pitch pine, and table-mountain pine forest types.

<sup>3</sup>Oak-hickory forest type group includes oak-hickory, post oak-black oak, chestnut oak, white oak-red oak-hickory, white oak, and mixed hardwoods forest types.

<sup>4</sup>Yellow poplar forest type group includes yellow poplar-white oak-Northern red oak, and sweetgum-yellow poplar forest types.

<sup>5</sup>Other hardwood types include cottonwood, willow, and sycamore-pecan-American elm forest types.

<sup>6</sup>Timberland with no current stocking.

**Table 42—Area of timberland by special forest type and ownership class, Tennessee Counties, 1989**

| Special forest<br>type group      | All<br>ownerships | National<br>forest | Other<br>public | Forest<br>industry | Forest<br>industry-<br>leased | Other<br>private |
|-----------------------------------|-------------------|--------------------|-----------------|--------------------|-------------------------------|------------------|
| <i>----- Thousand acres -----</i> |                   |                    |                 |                    |                               |                  |
| White pine                        | 64.0              | 33.6               | 11.2            | 4.9                | ...                           | 14.2             |
| Yellow pine                       | 1115.3            | 64.8               | 45.0            | 257.4              | 4.8                           | 743.3            |
| <b>Redcedar</b>                   | 218.4             |                    | 18.4            | ...                | ...                           | 200.0            |
| Softwood total                    | 1397.7            | 98.4               | 74.6            | 262.3              | 4.8                           | 957.5            |
| Oak-pine                          | <b>1591.5</b>     | 116.7              | 132.2           | 112.7              | 5.7                           | 1224.2           |
| Oak-hickory                       | 8748.6            | 239.1              | 572.3           | 629.8              | 6.0                           | 7301.5           |
| Yellow poplar                     | 727.9             | 77.5               | 37.9            | 40.9               | ...                           | 571.6            |
| Oak-gum-cypress                   | 639.3             | ...                | 110.2           | 61.9               | 5.9                           | 461.2            |
| Other hardwood types              | 154.4             | 24.2               | 25.7            | 8.1                | ...                           | <b>96.5</b>      |
| Hardwood total                    | 11861.7           | 457.5              | 878.3           | 853.4              | 17.6                          | 9655.0           |
| <b>Nontyped<sup>1</sup></b>       | 5.7               | ...                | ...             | 5.7                | ...                           | ...              |
| All types                         | 13265.1           | 555.9              | 952.9           | 1121.4             | 22.4                          | 10612.5          |

<sup>1</sup>Timberland with no current stocking.

**Table 43—Area of timberland by special forest type and stand-size class, Tennessee Counties, 1989**

| Special forest<br>type group      | All<br>classes | Stand-size class |            |                      | Nonstocked <sup>1</sup> |
|-----------------------------------|----------------|------------------|------------|----------------------|-------------------------|
|                                   |                | Sawtimber        | Poletimber | Sapling-<br>seedling |                         |
| ----- <i>Thousand acres</i> ----- |                |                  |            |                      |                         |
| White pine                        | 64.0           | 56.7             | 7.3        | ...                  |                         |
| Yellow pine                       | 1115.3         | 498.7            | 387.0      | 229.6                | ...                     |
| <b>Redcedar</b>                   | 218.4          | 40.3             | 77.1       | 101.1                | ...                     |
| Softwood total                    | 1397.7         | 595.7            | 471.4      | 330.7                | ...                     |
| Oak-pine                          | 1591.5         | 612.6            | 565.0      | 414.0                | ...                     |
| <b>Oak-hickory</b>                | 8748.6         | 4350.7           | 2983.4     | 1414.5               | ...                     |
| Yellow poplar                     | 727.9          | 414.5            | 195.2      | 118.2                | ...                     |
| Oak-gum-cypress                   | 639.3          | 462.8            | 135.4      | 41.1                 | ...                     |
| Other hardwood types              | 154.4          | 85.0             | 47.1       | 22.4                 | ...                     |
| Hardwood total                    | 11861.7        | 5925.6           | 3926.1     | 2010.2               | ...                     |
| <b>Nontyped<sup>2</sup></b>       | 5.7            | ...              | ...        | .                    | 5.7                     |
| <b>All types</b>                  | 13265.1        | 6521.3           | 4397.5     | 2340.9               | 5.7                     |

<sup>1</sup>Timberland less than 16.7 percent stocked.

<sup>2</sup>Timberland with no current stocking.

**Table 44-Volume of softwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989**

| County           | Total | Special forest type group      |                |              |              |                 |                  |                     | Other hwd<br>types . . |
|------------------|-------|--------------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|------------------------|
|                  |       | White<br>pine                  | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress |                        |
|                  |       | ----- Million cubic feet ----- |                |              |              |                 |                  |                     |                        |
| Anderson         | 39.4  | ...                            | 16.9           | ...          | 8.9          | 13.6            | ...              | ...                 | ...                    |
| Bedford          | 4.4   | ...                            | ..             | 3.5          | <b>0.5</b>   | ...             | ...              | 0.4                 | ...                    |
| <b>Benton</b>    | 14.5  | ...                            | 12.0           | ...          | 2.0          | 0.4             | ..               | ...                 | ...                    |
| Bledsoe          | 70.0  | ...                            | 47.5           | ...          | 12.6         | 5.8             | 4.1              | ...                 | .                      |
| Blount           | 41.7  | 6.1                            | 14.5           | ...          | 15.7         | 5.2             | 0.3              | ...                 | ...                    |
| Bradley          | 52.2  | ...                            | 48.2           | ...          | ...          | 4.0             | ...              | ...                 | ..                     |
| Campbell         | 56.4  | ...                            | 25.1           | ...          | 21.9         | 7.3             | 2.0              | ...                 | ..                     |
| Cannon           | 9.1   | ...                            | ...            | 2.8          | 5.5          | 0.8             | ...              | ...                 | .                      |
| Carroll          | 18.7  | ...                            | 7.1            | ...          | 5.7          | 5.9             | ...              | .                   | ...                    |
| Carter           | 42.0  | ...                            | 4.1            | ..           | 20.1         | 14.9            | 1.9              | ...                 | 1.0                    |
| <b>Cheatham</b>  | 5.2   | ...                            | ...            | ...          | ...          | 5.2             | ...              | ...                 | ...                    |
| Chester          | 30.6  | ...                            | 11.4           | ...          | 16.4         | 2.2             | 0.6              | ...                 | ...                    |
| Claibome         | 11.5  | ...                            | ...            | 2.2          | 5.9          | 2.0             | 1.4              | ..                  | .                      |
| Clay             | 3.4   | ...                            | ...            | ...          | 1.2          | 2.3             | ...              | ...                 | .                      |
| <b>Cocke</b>     | 47.6  | ...                            | 19.2           | ...          | 14.5         | 11.3            | 2.7              | ...                 | ...                    |
| Coffee           | ...   | ...                            | ...            | ...          | ...          | ...             | ...              | ...                 | ..                     |
| Crockett         | ...   | ...                            | ...            | ...          | ...          | ...             | .                | .                   | .                      |
| Cumberland       | 123.1 | 8.9                            | 47.6           | ...          | 36.9         | 26.8            | 3.0              | ...                 | ...                    |
| Davidson         | 4.4   | ...                            | ...            | ...          | 1.3          | 3.1             | ...              | ...                 | ...                    |
| <b>De Kalb</b>   | 13.6  | ...                            | ...            | 5.3          | 8.0          | 0.3             | ...              | ..                  | ...                    |
| Decatur          | 24.7  | ...                            | 17.8           | ...          | 3.3          | 3.6             | .                | ...                 | ...                    |
| Dickson          | 1.2   | ...                            | ...            | ...          | 1.2          | ...             | ...              | ...                 | ...                    |
| Dyer             | ...   | ...                            | ...            | ...          | ...          | ...             | ...              | ...                 | ...                    |
| Fayette          | 20.7  | ...                            | 14.3           | ...          | 2.7          | 3.7             | ...              | ...                 | ..                     |
| <b>Fentress</b>  | 128.4 | ...                            | 59.4           | ...          | 35.3         | 32.7            | 1.0              | ...                 | ...                    |
| Franklin         | 4.4   | ...                            | ...            | ...          | 2.5          | 1.9             | ...              | ...                 | ...                    |
| Gibson           | ...   | ...                            | ...            | ...          | ...          | ...             | ...              | ...                 | ...                    |
| Giles            | 5.1   | 3.5                            | 0.2            | ...          | ...          | 1.4             | ...              | ...                 | ...                    |
| Grainger         | 18.2  | ...                            | ...            | ...          | 8.4          | 9.8             | ...              | ...                 | ...                    |
| Greene           | 41.6  | ...                            | 20.1           | 0.2          | 14.1         | 5.8             | 1.3              | ...                 | ...                    |
| Grundy           | 31.9  | ...                            | 21.3           | ..           | 2.4          | 8.1             | ...              | ...                 | ...                    |
| Hamblen          | 21.1  | ...                            | 17.1           | ...          | 3.6          | 0.5             | ...              | ...                 | ...                    |
| Hamilton         | 92.0  | ...                            | 43.5           | ...          | 31.0         | 15.3            | 2.2              | ...                 | ...                    |
| Hancock          | 3.6   | ...                            | ...            | ...          | 2.2          | 1.5             | ...              | ...                 | ...                    |
| Hardeman         | 58.6  | ...                            | 42.0           | ...          | 7.6          | 6.9             | ...              | 2.1                 | ...                    |
| <b>Hardin</b>    | 66.0  | ...                            | 36.5           | ...          | 20.6         | 7.8             | ...              | 1.0                 | ...                    |
| Hawkins          | 27.8  | ...                            | 9.4            | ...          | 13.9         | 4.0             | 0.5              | ...                 | ...                    |
| <b>Haywood</b>   | ...   | ...                            | ...            | ...          | ...          | ...             | ...              | ...                 | ...                    |
| Henderson        | 39.5  | ...                            | 36.3           | 1.4          | 1.3          | 0.3             | ...              | 0.2                 | ...                    |
| Henry            | 2.9   | ...                            | 2.2            | ...          | ...          | 0.6             | ...              | ...                 | ...                    |
| Hickman          | 13.7  | ...                            | 8.9            | ...          | ...          | 4.4             | 0.4              | ...                 | ...                    |
| Houston          | 0.5   | ...                            | ...            | ...          | ...          | 0.5             | ...              | ...                 | ...                    |
| <b>Humphreys</b> | 3.5   | ...                            | ...            | ...          | ...          | 3.5             | ...              | ...                 | ...                    |
| Jackson          | 10.2  | ...                            | ...            | ...          | 9.1          | 1.1             | ...              | ...                 | ...                    |
| Jefferson        | 15.5  | ...                            | 12.9           | ...          | 0.8          | 1.8             | ...              | ...                 | ...                    |
| Johnson          | 30.2  | ...                            | ..             | ...          | 13.7         | 15.9            | 0.2              | .                   | 0.4                    |
| Knox             | 39.7  | ...                            | 10.3           | ...          | 21.9         | 5.7             | 1.8              | ...                 | ..                     |

**Table 44-Volume of softwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989 - Continue d**

| County                         | Total  | Special forest type group |             |           |          |             |               |                 | Other hwd types |
|--------------------------------|--------|---------------------------|-------------|-----------|----------|-------------|---------------|-----------------|-----------------|
|                                |        | White pine                | Yellow pine | Red cedar | Oak-pine | Oak-hickory | Yellow poplar | Oak-gum-cypress |                 |
| ----- Million cubic feet ----- |        |                           |             |           |          |             |               |                 |                 |
| Lake                           | 38.8   | ...                       | ...         | ...       | ...      | ...         | ...           | 38.8            | ...             |
| Lauderdale                     | 20.0   | ...                       | ...         | ...       | ...      | ...         | ...           | 16.6            | 3.4             |
| Lawrence                       | ...    | ...                       | ...         | ...       | ...      | ...         | ...           | ...             | ...             |
| Lewis                          | 1.6    | ...                       | ...         | ...       | ...      | 1.6         | ...           | ...             | ...             |
| Lincoln                        | 9.7    | ...                       | ...         | 7.1       | 1.1      | 1.6         | ...           | ..              | ...             |
| Loudon                         | 43.3   | ...                       | 35.0        | 1.3       | 7.0      | ...         | ...           | ...             | ...             |
| Macon                          | 0.3    | ...                       | =           | ...       | ...      | 0.3         | ...           | ...             | ...             |
| Madison                        | 8.1    | ...                       | =           | 3.2       | 2.3      | 1.8         | ...           | 0.8             | ...             |
| Marion                         | 41.1   | ...                       | 0.9         | ...       | 18.4     | 20.9        | 0.8           | ...             | ...             |
| Marshall                       | 5.9    | ...                       | ...         | 2.4       | 1.5      | 2.0         | ...           | ...             | ...             |
| Maury                          | 0.5    | ...                       | ...         | 0.3       | ...      | 0.2         | ...           | ...             | ...             |
| McMinn                         | 107.9  | ...                       | 91.2        | ...       | 11.3     | 5.4         | ...           | ...             | ...             |
| McNairy                        | 78.5   | ...                       | 58.5        | ...       | 15.7     | 3.7         | ...           | 0.6             | ...             |
| Meigs                          | 55.4   | ...                       | 32.0        | ...       | 15.2     | 8.2         | ...           | ..              | ...             |
| Monroe                         | 201.5  | 11.1                      | 105.4       | ...       | 53.7     | 27.3        | 3.7           | ...             | 0.4             |
| Montgomery                     | 8.4    | ...                       | ...         | ...       | 4.8      | 3.6         | ...           | ...             | ...             |
| Moore                          | 2.7    | ...                       | ...         | ..        | ...      | 2.7         | ...           | ...             | ...             |
| Morgan                         | 89.5   | ...                       | 1.2         | ...       | 57.1     | 31.2        | ...           | ...             | ...             |
| Obion                          | 12.9   | ...                       | ...         | ...       | ...      | ...         | ...           | 12.9            | ...             |
| Overton                        | 31.5   | ...                       | 15.4        | ...       | 9.5      | 6.6         | ...           | .               | ..              |
| Perry                          | 7.4    | ...                       | 2.9         | ...       | 0.4      | 4.2         | .             | ...             | ...             |
| Pickett                        | 7.0    | ...                       | ...         | ...       | ...      | 7.0         | ...           | ...             | ...             |
| Polk                           | 197.9  | 34.0                      | 117.6       | ...       | 34.2     | 5.3         | 5.1           | ...             | 1.7             |
| Putnam                         | 18.9   | ...                       | ...         | ...       | 12.6     | 5.2         | 1.1           | ...             | ...             |
| Rhea                           | 44.1   | ...                       | 13.6        | ...       | 26.0     | 4.6         | ...           | ...             | ...             |
| Roane                          | 46.1   | ...                       | 20.2        | ...       | 16.6     | 8.6         | 0.6           | ...             | .               |
| Robertson                      | 0.4    | ...                       | ...         | ...       | ...      | 0.4         | ...           | ...             | ...             |
| Rutherford                     | 11.7   | ...                       | ...         | 7.3       | 3.8      | 0.7         | ...           | ...             | ...             |
| Scott                          | 107.1  | 16.9                      | 18.4        | ...       | 35.2     | 35.8        | 0.7           | .               | ...             |
| Sequatchie                     | 54.1   | 6.0                       | 33.0        | ...       | ...      | 15.0        | ...           | ...             | ...             |
| Sevier                         | 69.1   | ...                       | 14.4        | ...       | 45.8     | 5.4         | 3.5           | ...             | ...             |
| Shelby                         | 1.7    | ...                       | ...         | ...       | ...      | 0.4         | ...           | 1.3             | ...             |
| Smith                          | 4.2    | ...                       | ...         | ...       | 1.4      | 2.8         | ...           | ...             | ...             |
| Stewart                        | 6.2    | ...                       | ...         | 5.4       | ...      | 0.8         | ...           | ...             | ...             |
| Sullivan                       | 33.2   | 13.2                      | 5.7         | ...       | 9.6      | 4.7         | ...           | ...             | ...             |
| Sumner                         | 3.6    | ...                       | ...         | 3.6       | ...      | ...         | ...           | ...             | ...             |
| Tipton                         | ...    | ...                       | ...         | ...       | ...      | ...         | ...           | ...             | ...             |
| Trousdale                      | 4.8    | ...                       | ...         | ...       | 3.1      | 1.7         | ...           | ...             | ...             |
| Unicoi                         | 46.5   | 13.1                      | ...         | ...       | 18.8     | 5.1         | 9.5           | ...             | ...             |
| Union                          | 23.2   | ...                       | 2.0         | ...       | 17.3     | 4.0         | ...           | ...             | ...             |
| Van Buren                      | 42.2   | 7.8                       | 21.1        | ...       | 7.4      | 5.9         | ...           | ...             | ...             |
| Warren                         | ...    | ...                       | .           | ...       | ...      | ...         | ...           | ...             | ...             |
| Washington                     | 20.3   | ...                       | ...         | ...       | 8.6      | 2.8         | 8.9           | .               | .               |
| Wayne                          | 23.0   | ...                       | 11.9        | ..        | 3.2      | 7.9         | ...           | ...             | ..              |
| Weakley                        | 20.8   | ...                       | 16.0        | ...       | ...      | 0.9         | ...           | 3.8             | ...             |
| White                          | 26.0   | ...                       | 21.4        | ...       | 3.4      | 1.2         | ...           | .               | ...             |
| Williamson                     | 14.6   | ...                       | 1.7         | 4.7       | 6.0      | 2.2         | ...           | ...             | ...             |
| Wilson                         | 14.7   | ...                       | ...         | 3.2       | 10.4     | 1.0         | ...           | ...             | ...             |
| All counties                   | 2895.2 | 120.6                     | 1245.3      | 53.9      | 834.1    | 498.6       | 57.3          | 78.5            | 6.9             |

**Table 45—Volume of hardwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989**

| County                         | Total | Special forest type group |             |           |          |             |               |                 | Other hwd types |
|--------------------------------|-------|---------------------------|-------------|-----------|----------|-------------|---------------|-----------------|-----------------|
|                                |       | White pine                | Yellow pine | Red cedar | Oak-pine | Oak-hickory | Yellow poplar | Oak-gum-cypress |                 |
| ----- Million cubic feet ----- |       |                           |             |           |          |             |               |                 |                 |
| Anderson                       | 159.8 | ...                       | 4.2         | ...       | 5.0      | 122.3       | 20.7          |                 | 7.6             |
| Bedford                        | 46.4  | ...                       | ...         | 1.9       | 0.2      | 39.1        | ...           | 5.2             | ..              |
| Benton                         | 161.4 | ...                       | 0.4         | ...       | 1.9      | 145.7       | 11.8          | 1.6             |                 |
| Bledsoe                        | 117.6 | ...                       | 3.7         | ...       | 14.8     | 84.7        | 14.5          | .               | ...             |
| Blount                         | 69.3  | 3.0                       | 1.3         | ..        | 15.4     | 44.4        | 5.2           | ...             | ...             |
| Bradley                        | 61.7  | ...                       | 8.2         | ...       | 0.3      | 53.1        |               |                 | ...             |
| Campbell                       | 297.6 | ...                       | 5.9         | ...       | 14.9     | 234.6       | 42.3          | .               |                 |
| Cannon                         | 83.1  | ...                       | ...         | 2.0       | 9.1      | 72.0        | ...           | ...             |                 |
| Carroll                        | 233.7 | ...                       | 1.1         | ...       | 6.8      | 170.9       | .             | 54.9            | .               |
| Carter                         | 235.6 | ...                       | 1.0         | ...       | 12.7     | 181.0       | 27.2          | ...             | 13.7            |
| Cheatham                       | 140.5 | ...                       | ...         | ...       | ...      | 129.0       | 11.5          | ...             |                 |
| Chester                        | 73.4  | ...                       | 1.2         | ...       | 17.5     | 36.7        | 13.7          | 3.9             | 0.3             |
| Claibome                       | 184.8 | ...                       | ...         | 0.6       | 6.5      | 144.7       | 13.5          | ...             | 19.4            |
| Clay                           | 85.2  | ...                       | ...         | ...       | 2.7      | 82.5        |               | .               | ..              |
| Cocke                          | 190.4 | ...                       | 6.2         | .         | 18.0     | 115.7       | 42.3          | 8.2             |                 |
| Coffee                         | 154.3 | ...                       | ...         | ...       | ...      | 139.5       | 7.5           | 7.3             |                 |
| Crockett                       | 33.0  | ...                       | ...         | ...       | ...      | 33.0        |               |                 | ...             |
| Cumberland                     | 295.2 | 5.0                       | 5.7         |           | 39.7     | 230.7       | 14.1          | ..              | ...             |
| Davidson                       | 110.0 | ...                       | ...         | ...       | 4.1      | 105.9       | ...           | ...             | ...             |
| De Kalb                        | 153.2 | ...                       | ...         | 1.6       | 10.8     | 124.3       | .             | 16.5            |                 |
| Decatur                        | 181.8 | ...                       | 6.7         | ...       | 4.5      | 151.7       | 9.7           | 9.2             |                 |
| Dickson                        | 215.6 | ...                       | ...         | .         | 3.6      | 212.1       | ...           | ..              |                 |
| Dyer                           | 51.5  | ...                       | ...         | ..        | ...      | 16.1        | ...           | 35.4            | ...             |
| Fayette                        | 180.9 | ...                       | 6.8         | ...       | 7.8      | 138.6       | ...           | 27.8            |                 |
| Fentress                       | 235.1 | ...                       | 7.5         |           | 39.9     | 167.3       | 20.5          | ..              | ..              |
| Franklin                       | 171.4 | ...                       | ...         | .         | 3.0      | 152.3       | 16.1          |                 | .               |
| Gibson                         | 47.0  | ...                       | ...         | ...       | ...      | 47.0        |               | ...             |                 |
| Giles                          | 146.3 | 2.6                       | ...         | ...       | ...      | 141.5       | ..            | 2.2             | ...             |
| Grainger                       | 138.0 | ...                       | ..          | ...       | 10.2     | 127.8       |               |                 | ..              |
| Greene                         | 205.2 | ...                       | 8.0         | 0.6       | 16.3     | 133.7       | 28.5          | ...             | 18.1            |
| Grundy                         | 162.5 | ...                       | 4.7         | ...       | 6.3      | 144.4       | 7.1           | ...             | ...             |
| Hamblen                        | 49.2  | ...                       | 2.6         | ...       | 7.6      | 39.0        | ...           | ...             | ...             |
| Hamilton                       | 156.8 | ...                       | 10.6        | ...       | 17.0     | 125.5       | 3.3           | 0.5             | ...             |
| Hancock                        | 61.6  | ...                       | ...         | ...       | 2.1      | 45.1        | 8.5           | ...             | 6.0             |
| Hardeman                       | 239.1 | ...                       | 3.5         | ...       | 11.6     | 169.6       | 7.3           | 47.1            | ...             |
| Hardin                         | 192.4 | ...                       | 6.8         | ...       | 21.9     | 115.4       | ...           | 48.2            | ...             |
| Hawkins                        | 164.1 | ...                       | ...         | ...       | 17.6     | 131.9       | 4.5           | ..              | 10.0            |
| Haywood                        | 122.5 | ...                       | ...         | ...       | ...      | 9.7         | ...           | 112.8           |                 |
| Henderson                      | 175.0 | ...                       | 10.4        | 3.1       | 3.8      | 112.3       | 3.5           | 41.9            | ...             |
| Henry                          | 228.2 | ...                       | 0.6         | ..        | ...      | 136.8       | 23.2          | 67.5            |                 |
| Hickman                        | 332.0 | ...                       | 0.4         | .         | ...      | 307.3       | 24.3          | ...             |                 |
| Houston                        | 113.4 | .                         | ...         | ...       | ...      | 113.4       | ...           | ...             | ...             |
| Humphreys                      | 268.8 | ...                       | ...         | ...       | .        | 268.8       | ...           | ...             | ...             |
| Jackson                        | 156.4 | ...                       | ...         | ...       | 11.1     | 135.1       | 10.1          |                 | ...             |
| Jefferson                      | 82.7  | ...                       | 7.3         | .         | 2.0      | 73.4        | ...           | ..              | ...             |
| Johnson                        | 162.9 | ...                       | ...         | ...       | 21.9     | 108.1       | 12.5          | ...             | 20.4            |
| Knox                           | 129.9 | ...                       | 1.2         | ...       | 17.2     | 50.5        | 61.0          | ...             | ...             |
| Lake                           | 33.2  | ...                       | ...         | ...       | ...      | ...         | ...           | 33.2            | ...             |

**Table 45—Volume of hardwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989 - Continued**

| County                         | Total   | Special forest type group |                |              |              |                 |                  |                     |                    |
|--------------------------------|---------|---------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|--------------------|
|                                |         | White<br>pine             | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress | Other hwd<br>types |
| ----- Million cubic feet ----- |         |                           |                |              |              |                 |                  |                     |                    |
| Lauderdale                     | 114.2   | ...                       | ...            | .            | ...          | 16.9            | 16.3             | 50.7                | 30.2               |
| Lawrence                       | 173.3   | ...                       | ...            | ...          | ...          | 142.2           | 19.8             | 11.3                | ...                |
| Lewis                          | 163.2   | ...                       | ...            | ...          | ...          | 147.9           | ...              | 15.3                | ...                |
| Lincoln                        | 104.4   | ...                       | ...            | 4.1          | 3.7          | <b>88.5</b>     | ...              | 8.1                 | ...                |
| <b>Loudon</b>                  | 54.2    | ...                       | 2.0            | 0.3          | 7.4          | 33.5            | 10.5             | ...                 | 0.5                |
| Macon                          | 104.9   | ...                       | ...            | ...          | ...          | 83.3            | 21.6             | ...                 | ...                |
| Madison                        | 201.1   | ...                       | ..             | 0.7          | 8.8          | 115.6           | ...              | 76.0                | ...                |
| Marion                         | 224.3   | ...                       | ...            | ...          | 18.3         | 187.0           | 15.1             | 3.9                 | ..                 |
| Marshall                       | 45.7    | ...                       | ...            | 1.3          | 6.8          | 37.6            | ...              | ...                 | ...                |
| Maury                          | 107.8   | ...                       | .              | ...          | 1.5          | 106.3           | ..               | ...                 | ...                |
| <b>McMinn</b>                  | 107.1   | ...                       | 22.5           | ...          | 9.8          | 67.1            | ...              | 7.7                 | ...                |
| <b>McNairy</b>                 | 154.7   | ...                       | 10.9           | ...          | 20.9         | 98.2            | ...              | 24.7                | ...                |
| Meigs                          | 71.1    | ...                       | 3.7            | ...          | 17.3         | 42.2            | 7.9              | ...                 | ...                |
| Monroe                         | 275.9   | 1.5                       | 23.2           | ...          | 47.1         | 149.4           | 23.6             | ...                 | 31.0               |
| Montgomery                     | 134.6   | ...                       | ...            | ...          | 8.4          | 114.0           | 12.3             | ...                 | ...                |
| Moore                          | 52.6    | ...                       | ...            | ...          | ...          | 46.1            | 6.5              | ...                 | ...                |
| Morgan                         | 279.2   | ...                       | ...            | ...          | 59.5         | 219.7           | ...              | ...                 | ...                |
| Obion                          | 128.5   | ...                       | ...            | ...          | ...          | 71.1            | ...              | 57.4                | ...                |
| <b>Overton</b>                 | 259.9   | ...                       | 2.2            | ...          | 12.7         | 174.1           | 71.0             | ...                 | ...                |
| Perry                          | 240.5   | ...                       | 1.8            | ...          | 2.2          | 210.0           | 22.0             | 4.5                 | ...                |
| <b>Pickett</b>                 | 8.5.9   | ...                       | ...            | ...          | ...          | 77.9            | 8.0              | ...                 | ...                |
| Polk                           | 128.2   | 12.8                      | 28.0           | ...          | 26.3         | 44.7            | 11.7             | ...                 | 4.7                |
| Putnam                         | 183.9   | ...                       | 0.3            | ..           | 7.6          | 138.4           | 37.6             | ...                 | ...                |
| Rhea                           | 136.0   | ...                       | 0.4            | ..           | 19.4         | <b>93.5</b>     | 22.7             | ...                 | ...                |
| Roane                          | 182.7   | ...                       | 3.3            | ...          | 18.1         | 120.5           | 40.8             | ...                 | ...                |
| Robertson                      | 65.9    | ...                       | ...            | ...          | ...          | 65.9            | ...              | ...                 | ...                |
| Rutherford                     | 40.6    | ...                       | ...            | 3.4          | 11.8         | 25.4            | ..               | ...                 | ...                |
| Scott                          | 383.1   | 4.0                       | 6.8            | .            | 25.0         | 297.9           | 49.3             | ...                 | ...                |
| Sequatchie                     | 80.3    | 1.5                       | 11.2           | ...          | ...          | 59.8            | 7.8              | ...                 | ...                |
| <b>Sevier</b>                  | 114.4   | ...                       | 3.4            | ...          | 35.0         | 66.2            | 9.8              | ...                 | ...                |
| Shelby                         | 187.4   | ...                       | ...            | ...          | ...          | 87.6            | 10.4             | 80.5                | 8.9                |
| Smith                          | 74.9    | ...                       | ...            | ...          | 3.2          | 53.0            | 18.7             | ...                 | ...                |
| Stewart                        | 230.1   | .                         | ...            | 3.7          | ...          | 202.9           | 23.5             | ...                 | ...                |
| Sullivan                       | 126.8   | 5.0                       | 0.6            | ...          | 14.7         | 89.4            | 17.1             | ...                 | ...                |
| Sumner                         | 75.8    | ...                       | ...            | 1.1          | ...          | 56.5            | 18.1             | ...                 | ...                |
| <b>Tipton</b>                  | 76.6    | ...                       | ...            | ...          | ...          | 37.4            | 20.4             | 7.5                 | 11.2               |
| <b>Trousdale</b>               | 20.6    | ...                       | ...            | ...          | 4.1          | 16.5            | ...              | ...                 | ...                |
| Unicoi                         | 123.7   | 3.1                       | ...            | ..           | 15.4         | 50.0            | 55.3             | ...                 | ..                 |
| Union                          | 100.0   | ...                       | 2.2            | ...          | 15.5         | 66.4            | ...              | ...                 | 15.9               |
| Van Buren                      | 107.5   | 4.9                       | 2.4            | ...          | 4.3          | 91.2            | 4.6              | ...                 | ...                |
| Warren                         | 111.6   | ...                       | ...            | ...          | 0.5          | 103.1           | ...              | 8.0                 | ...                |
| Washington                     | 76.1    | ...                       | ..             | ...          | 6.7          | 50.5            | 19.0             | .                   | .                  |
| Wayne                          | 311.0   | ..                        | 2.8            | ...          | 5.5          | 286.7           | 11.9             | 4.1                 | ...                |
| Weakley                        | 118.9   | ...                       | 0.9            | ...          | ...          | 45.9            | ...              | 72.1                | ...                |
| White                          | 172.3   | ...                       | 1.8            | ...          | 4.1          | 142.2           | 20.2             | 4.0                 | ...                |
| Williamson                     | 149.1   | ...                       | 0.7            | 0.9          | 6.8          | 114.1           | 18.6             | 8.0                 | ...                |
| Wilson                         | 36.7    | ...                       | ...            | 1.4          | 19.1         | 16.2            | ...              | ...                 | ...                |
| All counties                   | 13787.0 | 43.4                      | 247.1          | 26.7         | 873.3        | 10314.7         | 1116.5           | 967.2               | 197.9              |

**Table 46-Volume of softwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989**

| County                         | Total | Special forest type group |                |              |              |                 |                  |                     |                    |
|--------------------------------|-------|---------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|--------------------|
|                                |       | White<br>pine             | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress | Other hwd<br>types |
| ----- Million board feet ----- |       |                           |                |              |              |                 |                  |                     |                    |
| Anderson                       | 163.0 | ...                       | 65.4           | .            | 43.2         | 54.3            |                  |                     | ...                |
| Bedford                        | 4.6   | ...                       | ...            | 2.3          | 2.3          | ...             | .                |                     | ...                |
| <b>Benton</b>                  | 13.7  | ...                       | 11.1           | ...          | 1.6          | 1.0             |                  |                     | ...                |
| Bledsoe                        | 180.4 | ...                       | 95.5           | ...          | 56.0         | 16.4            | 12.5             | .                   | ...                |
| <b>Blount</b>                  | 150.8 | 28.3                      | 48.0           | ...          | 55.4         | 17.7            | 1.5              | ...                 | ...                |
| Bradley                        | 188.0 | ...                       | 168.4          | ...          | ...          | 19.6            | ...              | ...                 | ..                 |
| Campbell                       | 192.3 | ...                       | 83.3           | ...          | 76.1         | 27.1            | 5.7              |                     | ...                |
| Cannon                         | 9.3   | ...                       | ...            | 5.2          | 4.1          | ...             | ...              | ...                 | ...                |
| Carroll                        | 83.1  | ...                       | 31.6           | ...          | 30.2         | 21.3            | ...              |                     | ..                 |
| Carter                         | 164.1 | ...                       | 6.0            | ...          | 81.2         | 65.1            | 9.6              | .                   | 2.2                |
| <b>Cheatham</b>                | 14.0  | ...                       | ...            | ...          | ...          | 14.0            | ...              | ..                  | ...                |
| Chester                        | 116.0 | ...                       | 41.5           | ...          | 63.9         | 7.4             | 3.2              | ...                 | ...                |
| Claiborne                      | 39.1  | ...                       | ...            | 2.0          | 20.8         | 8.8             | 7.5              | ...                 | ...                |
| Clay                           | 8.7   | ...                       | ..             | ...          | ..           | 8.7             | ...              | ...                 | .                  |
| <b>Cocke</b>                   | 173.2 | ...                       | 64.9           | ...          | 58.0         | 39.5            | 10.7             | ...                 | .                  |
| Coffee                         | ...   | ...                       | ...            | ...          | ...          | ...             | ...              | ..                  | ..                 |
| Crockett                       | ...   | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | .                  |
| Cumberland                     | 437.7 | 36.9                      | 130.1          | ...          | 147.6        | 112.5           | 10.7             | ...                 | .                  |
| Davidson                       | 6.2   | ...                       | ...            | ...          | 2.0          | 4.2             | ...              | ...                 | ...                |
| De Kalb                        | 21.9  | ...                       | ...            | 10.8         | 11.1         | ...             | ...              | .                   | .                  |
| Decatur                        | 100.3 | ...                       | 78.6           | ...          | 11.7         | 10.0            | ...              | ...                 | ...                |
| Dickson                        | ...   | ...                       | ...            | ...          | ...          | ..              | ...              | ...                 | ...                |
| Dyer                           | ...   | ...                       | ...            | ...          | ...          | ...             | ..               | ...                 | ...                |
| Fayette                        | 44.9  | ...                       | 30.3           | ...          | 4.5          | 10.1            | ...              |                     |                    |
| <b>Fentress</b>                | 403.2 | ...                       | 127.6          | ...          | 151.3        | 119.7           | 4.7              |                     |                    |
| Franklin                       | 6.3   | ...                       | ...            | ...          | 3.1          | 3.2             | ...              | ...                 | ...                |
| Gibson                         | ...   | ...                       | ...            | ...          | ...          | ...             | ...              | ..                  | ...                |
| <b>Giles</b>                   | 13.7  | 9.8                       | ..             | ...          | .            | 3.9             |                  |                     |                    |
| Grainger                       | 53.8  | ...                       | ...            | ...          | 20.0         | 33.8            | ...              | .                   | .                  |
| Greene                         | 128.6 | ...                       | 50.1           | ...          | 54.2         | 20.7            | 3.6              | ...                 | ...                |
| Grundy                         | 71.0  | ...                       | 45.8           | ...          | 3.6          | 21.7            | ...              | .                   | ...                |
| Hamblen                        | 78.3  | ...                       | 69.7           | ...          | 8.6          | ...             | ...              | ..                  | ..                 |
| Hamilton                       | 363.6 | ...                       | 167.3          | ...          | 119.4        | 70.9            | 5.9              | .                   | ...                |
| Hancock                        | 11.0  | ...                       | ...            | ...          | 1.2          | 9.7             | ...              | ...                 | ...                |
| Hardeman                       | 206.8 | ...                       | 164.8          | ...          | 14.7         | 21.1            | ...              | 6.3                 | ...                |
| <b>Hardin</b>                  | 168.6 | ...                       | 90.6           | ...          | 54.8         | 20.1            | ...              | 3.1                 | ...                |
| Hawkins                        | 76.4  | ...                       | 14.0           | ...          | 49.3         | 10.5            | 2.6              | ...                 | ...                |
| <b>Haywood</b>                 | ...   | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 |                    |
| Henderson                      | 105.0 | ...                       | <b>96.1</b>    | 3.8          | 5.1          | ...             | ...              | ...                 |                    |
| <b>Henry</b>                   | 9.2   | ...                       | 9.2            | ...          | ...          | ...             | ...              | ...                 | ...                |
| Hickman                        | 39.0  | ...                       | 32.3           | ...          | ...          | 6.7             | ...              |                     | ...                |
| Houston                        | 1.6   | ...                       | .              | ...          | ..           | 1.6             | ...              | .                   | .                  |
| <b>Humphreys</b>               | 12.7  | ...                       | ...            | ...          | ...          | 12.7            | ...              | ...                 | ...                |
| Jackson                        | 19.7  | ...                       | .              | ...          | 17.2         | 2.5             | ..               | ...                 | ...                |
| Jefferson                      | 51.8  | ...                       | 46.0           | ...          | 1.3          | 4.4             | ...              | .                   | ...                |
| Johnson                        | 119.1 | ...                       | ...            | ...          | 54.3         | 64.3            | 0.5              | ...                 | ...                |
| Knox                           | 112.7 | ...                       | 24.9           | ..           | 62.1         | 16.6            | 9.1              |                     | ...                |
| Lake                           | 200.2 | ...                       | ...            | ...          | ...          | ...             | ...              | 200.2               | ...                |

**Table & Volume of softwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989 - Continued**

| County                         | Total        | Special forest type group |                |              |              |                 |                  |                     |                    |
|--------------------------------|--------------|---------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|--------------------|
|                                |              | White<br>pine             | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress | Other hwd<br>types |
| ----- Million board feet ----- |              |                           |                |              |              |                 |                  |                     |                    |
| Lauderdale                     | 105.3        | ...                       | ...            | ...          | ...          | ...             | ...              | 83.7                | 21.6               |
| Lawrence                       | ...          | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | ...                |
| <b>Lewis</b>                   | 4.9          | ...                       | ...            | ...          | ...          | 4.9             | ...              | ...                 | ...                |
| Lincoln                        | 5.1          | ...                       | ...            | 5.1          | ...          | ...             | ...              | ...                 | ...                |
| <b>Loudon</b>                  | 155.1        | ...                       | 122.0          | 2.4          | 30.7         | ...             | ...              | ...                 | ...                |
| Macon                          | ...          | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | ...                |
| Madison                        | 19.7         | ...                       | ...            | 11.0         | 1.4          | 4.5             | ...              | 2.7                 | ...                |
| Marion                         | 151.4        | ...                       | ...            | ...          | 69.2         | 79.2            | 2.9              | ...                 | ...                |
| Marshall                       | 6.9          | ...                       | ...            | 4.5          | 1.3          | 1.1             | ...              | ...                 | ...                |
| Maury                          | ...          | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | ...                |
| <b>McMinn</b>                  | 307.4        | ...                       | 226.4          | ...          | 59.6         | 21.4            | ...              | ...                 | ...                |
| <b>McNairy</b>                 | 232.4        | ...                       | 180.9          | ...          | 37.3         | 10.7            | ...              | 3.5                 | ...                |
| Meigs                          | 166.0        | ...                       | 76.3           | ...          | 56.1         | 33.6            | ...              | ...                 | ...                |
| Monroe                         | 692.9        | 42.8                      | 331.3          | ...          | 178.0        | 119.5           | 20.1             | ...                 | 1.2                |
| Montgomery                     | 18.7         | ...                       | ...            | ...          | 10.0         | 8.8             | ...              | ...                 | ...                |
| Moore                          | 7.1          | ...                       | ...            | ...          | ...          | 7.1             | ...              | ...                 | ...                |
| Morgan                         | 350.5        | ...                       | ...            | ...          | 202.8        | 147.7           | ...              | ...                 | ...                |
| Obion                          | 67.1         | ...                       | ...            | ...          | ...          | ...             | ...              | 67.1                | ...                |
| <b>Overton</b>                 | 145.3        | ...                       | 83.0           | ...          | 38.1         | 24.1            | ...              | ...                 | ...                |
| Perry                          | 13.7         | ...                       | 5.0            | ...          | ...          | 8.7             | ...              | ...                 | ...                |
| <b>Pickett</b>                 | 23.3         | ...                       | ...            | ...          | ...          | 23.3            | ...              | ...                 | ...                |
| Polk                           | 767.2        | 177.2                     | 396.1          | ...          | 138.5        | 21.7            | 24.0             | ...                 | 9.6                |
| Putnam                         | 74.9         | ...                       | ...            | ...          | 47.9         | 21.9            | 5.1              | ...                 | ...                |
| Rhea                           | 108.9        | ...                       | 21.1           | ...          | 70.5         | 17.2            | ...              | ...                 | ...                |
| Roane                          | 195.2        | ...                       | 88.5           | ...          | 71.7         | 32.8            | 2.1              | ...                 | ...                |
| Robertson                      | 1.8          | ...                       | ...            | ...          | ...          | 1.8             | ...              | ...                 | ...                |
| Rutherford                     | 6.1          | ...                       | ...            | 2.6          | 3.3          | 0.3             | ...              | ...                 | ...                |
| Scott                          | <b>396.9</b> | 64.3                      | 58.1           | ...          | 123.0        | 147.0           | 4.4              | ...                 | ...                |
| Sequatchie                     | 160.2        | 24.5                      | 82.9           | ...          | ...          | 52.8            | ...              | ...                 | ...                |
| <b>Sevier</b>                  | 247.4        | ...                       | 41.0           | ...          | 169.9        | 23.9            | 12.6             | ...                 | ...                |
| Shelby                         | 7.8          | ...                       | ...            | ...          | ...          | 1.8             | ...              | 6.0                 | ...                |
| Smith                          | 1.4          | ...                       | ...            | ...          | ...          | 1.4             | ...              | ...                 | ...                |
| Stewart                        | 22.0         | ...                       | ...            | 20.0         | ...          | 2.1             | ...              | ...                 | ...                |
| Sullivan                       | 122.1        | 58.5                      | 21.2           | ...          | 30.4         | 12.0            | ...              | ...                 | ...                |
| Sumner                         | 4.3          | ...                       | ...            | 4.3          | ...          | ...             | ...              | ...                 | ...                |
| <b>Tipton</b>                  | ...          | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | ...                |
| Trousdale                      | 0.5          | ...                       | ...            | ...          | 0.5          | ...             | ...              | ...                 | ...                |
| Unicoi                         | 223.0        | 73.2                      | ...            | ...          | 86.2         | 20.2            | 43.4             | ...                 | ...                |
| Union                          | 62.3         | ...                       | 3.2            | ...          | 47.5         | 11.7            | ...              | ...                 | ...                |
| Van Buren                      | 97.9         | 39.9                      | 36.7           | ...          | 8.0          | 13.3            | ...              | ...                 | ...                |
| Warren                         | ...          | ...                       | ...            | ...          | ...          | ...             | ...              | ...                 | ...                |
| Washington                     | 87.2         | ...                       | ...            | ...          | 31.0         | 9.0             | 47.3             | ...                 | ...                |
| Wayne                          | 38.6         | ...                       | 21.2           | ...          | 2.3          | 15.1            | ...              | ...                 | ...                |
| Weakley                        | 72.5         | ...                       | 50.0           | ...          | ...          | 2.8             | ...              | 19.7                | ...                |
| White                          | 33.5         | ...                       | 20.0           | ...          | 10.0         | 3.5             | ...              | ...                 | ...                |
| Williamson                     | 23.5         | ...                       | 0.9            | 8.4          | 8.3          | 6.0             | ...              | ...                 | ...                |
| Wilson                         | 23.8         | ...                       | ...            | 1.5          | 22.2         | ...             | ...              | ...                 | ...                |
| All counties                   | 9615.4       | 555.4                     | 3658.9         | 83.9         | 2845.6       | 1794.7          | 249.7            | 392.3               | 34.6               |

**Table 47—Volume of hardwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989**

| County                         | Total  | Special forest type group |                |              |              |                 |                  |                     |                    |
|--------------------------------|--------|---------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|--------------------|
|                                |        | White<br>pine             | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress | Other hwd<br>types |
| ----- Million board feet ----- |        |                           |                |              |              |                 |                  |                     |                    |
| Anderson                       | 628.6  | ...                       | 7.8            | ...          | 22.5         | 502.1           | 78.8             | ..                  | 17.4               |
| Bedford                        | 136.6  | ...                       | ...            | 8.0          | ..           | 107.2           | ..               | 21.4                | .                  |
| <b>Benton</b>                  | 431.1  | ...                       | .              | ...          | 2.0          | 429.1           | ...              | ...                 | ...                |
| <b>Bledsoe</b>                 | 277.2  | ...                       | 4.6            | ...          | 30.7         | 212.0           | 29.9             | ...                 | ...                |
| Blount                         | 214.4  | 10.4                      | 0.9            | ...          | 40.7         | 150.0           | 12.5             | ...                 | .                  |
| Bradley                        | 234.9  | ...                       | 13.9           | ...          | 0.6          | 220.4           | ...              | ...                 | ...                |
| Campbell                       | 1143.6 | ...                       | 15.5           | ...          | 51.9         | 933.9           | 142.3            | ...                 | ...                |
| Cannon                         | 234.4  | ...                       | .              | 3.4          | 5.6          | 225.4           | ...              | ...                 | ...                |
| Carroll                        | 721.8  | ...                       | 4.2            | ...          | 29.8         | 544.7           | ...              | 143.1               | ...                |
| Carter                         | 794.9  | ...                       | 1.4            | .            | 22.3         | 672.2           | 82.9             | ...                 | 16.1               |
| <b>Ceatham</b>                 | 426.1  | ...                       | .              | ...          | ...          | 386.0           | 40.0             | ..                  | ...                |
| Chester                        | 180.3  | ...                       | 4.6            | ...          | 44.5         | 101.3           | 22.0             | 7.9                 | ...                |
| Claibome                       | 614.2  | ...                       | ...            | 2.8          | 6.4          | 495.9           | 44.3             | ...                 | 64.7               |
| Clay                           | 204.2  | ...                       | ...            | ..           | 7.8          | <b>196.5</b>    | ...              | ...                 | .                  |
| <b>Cocke</b>                   | 618.2  | ...                       | 16.0           | ...          | 39.1         | <b>385.4</b>    | 150.6            | 27.0                | ...                |
| Coffee                         | 486.6  | ...                       | .              | ...          | ...          | 437.4           | 21.9             | 27.4                | ...                |
| Crockett                       | 165.2  | ...                       | ..             | ...          | ...          | 165.2           | ...              | ...                 | ...                |
| Cumberland                     | 839.1  | 18.3                      | 12.4           | ...          | 112.7        | 660.2           | 35.4             | ...                 | ...                |
| Davidson                       | 374.5  | ...                       | ...            | ..           | ...          | 374.5           | ...              | ...                 | .                  |
| De Kalb                        | 501.6  | ...                       | ...            | ...          | 6.8          | 427.3           | ...              | 67.5                | ...                |
| Decatur                        | 571.9  | ...                       | 9.4            | ..           | 14.2         | 484.3           | 25.3             | 38.6                | ..                 |
| Dickson                        | 738.3  | ...                       | ...            | .            | 8.3          | 730.0           | ...              | ...                 | ...                |
| Dyer                           | 225.9  | ...                       | ...            | ...          | ...          | 71.2            | ...              | 154.7               | ...                |
| Fayette                        | 593.2  | ...                       | 5.9            | ...          | 25.4         | 485.2           | ...              | 76.7                | ...                |
| <b>Fentress</b>                | 654.5  | ...                       | 14.6           | ...          | 74.2         | 512.3           | 53.4             | ...                 | ...                |
| Franklin                       | 568.2  | ...                       | ...            | ...          | 3.6          | 483.2           | 81.4             | ...                 | ...                |
| Gibson                         | 155.9  | ...                       | ...            | ..           | ...          | 155.9           | ...              | ...                 | ...                |
| <b>Giles</b>                   | 334.1  | 6.0                       | ...            | ...          | ...          | 321.5           | ...              | 6.6                 | ...                |
| Grainger                       | 468.5  | ...                       | .              | ...          | 28.6         | 439.9           | ...              | ...                 | ...                |
| Greene                         | 727.4  | ...                       | 23.7           | 1.6          | 25.1         | 476.5           | 112.1            | ...                 | 88.4               |
| Grundy                         | 448.1  | ...                       | 12.8           | ...          | 13.4         | 407.5           | 14.4             | ...                 | ...                |
| Hamblen                        | 198.2  | ...                       | 3.2            | ...          | 44.9         | 150.1           | ...              | ...                 | ...                |
| Hamilton                       | 526.9  | ...                       | 24.1           | ...          | 44.0         | 448.1           | 10.7             | ...                 | ..                 |
| Hancock                        | 202.2  | ...                       | ...            | ...          | ...          | 178.2           | 16.6             | ...                 | 7.4                |
| Hardeman                       | 748.5  | ...                       | 7.4            | ...          | 31.0         | 555.1           | 8.3              | 146.7               | ...                |
| <b>Hardin</b>                  | 520.6  | ...                       | 11.0           | ...          | 51.8         | 318.9           | ...              | 138.9               | ...                |
| Hawkins                        | 531.4  | ...                       | ...            | ...          | 30.8         | 426.9           | 25.1             | ...                 | 48.7               |
| <b>Haywood</b>                 | 488.5  | ...                       | .              | ...          | ...          | 36.7            | ...              | 451.8               | ...                |
| Henderson                      | 541.5  | ..                        | 25.5           | 4.8          | 6.4          | 348.1           | 9.4              | 147.3               | ...                |
| Henry                          | 826.6  | ...                       | ...            | ...          | ...          | 475.0           | 68.2             | 283.4               | .                  |
| Hickman                        | 867.3  | ...                       | ...            | ...          | ...          | 769.1           | 98.2             | ...                 | .                  |
| Houston                        | 357.6  | ...                       | ...            | ...          | ...          | 357.6           | ...              | ...                 | ...                |
| <b>Humphreys</b>               | 770.9  | ...                       | ...            | ...          | ...          | 770.9           | ...              | ..                  | ...                |
| Jackson                        | 564.1  | ...                       | ...            | ...          | 32.0         | 494.0           | 38.1             | ...                 | .                  |
| Jefferson                      | 317.0  | ...                       | 21.1           | ...          | 4.9          | 291.0           | ...              | ...                 | ...                |
| Johnson                        | 489.1  | ...                       | ...            | ...          | 72.7         | 277.6           | 56.3             | ...                 | 82.5               |
| Knox                           | 516.1  | ...                       | 5.7            | ...          | 59.0         | 176.0           | 275.4            | ...                 | ...                |
| Lake                           | 146.5  | ...                       | ...            | ...          | ...          | ...             | ...              | 146.5               | ...                |

**Table 47-Volume of hardwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989 - Continued**

| County                                | Total   | Special forest type group |                |              |              |                 |                  |                     | Other hwd<br>types |
|---------------------------------------|---------|---------------------------|----------------|--------------|--------------|-----------------|------------------|---------------------|--------------------|
|                                       |         | White<br>pine             | Yellow<br>pine | Red<br>cedar | Oak-<br>pine | Oak-<br>hickory | Yellow<br>poplar | Oak-gum-<br>cypress |                    |
| ----- <i>Million board feet</i> ----- |         |                           |                |              |              |                 |                  |                     |                    |
| Lauderdale                            | 518.1   | ...                       | ...            | ...          |              | 62.2            | 65.4             | 232.6               | 157.8              |
| Lawrence                              | 480.9   | ...                       | ..             | .            | ...          | 375.2           | 52.6             | 53.2                |                    |
| Lewis                                 | 425.6   | ...                       | ...            | ...          | ...          | 371.0           | ..               | 54.5                |                    |
| Lincoln                               | 271.4   | ...                       | ...            | 6.9          | 3.7          | 252.9           | ...              | 7.9                 |                    |
| Loudon                                | 223.8   | ...                       | 3.7            | 0.7          | 24.9         | 158.3           | 36.2             | .                   | ...                |
| Macon                                 | 378.0   | ...                       | ...            | ...          | ...          | 313.7           | 64.3             | ...                 |                    |
| Madison                               | 709.4   | ...                       | ...            | ...          | 15.5         | 410.1           | ...              | 283.9               | .                  |
| Marion                                | 695.5   | ...                       | ...            | ...          | 51.9         | 600.1           | 30.6             | 13.0                | ...                |
| Marshall                              | 146.8   | ...                       | ...            | 2.9          | 18.8         | 125.0           | ...              | ...                 |                    |
| Maury                                 | 241.8   | ...                       | ...            | ...          | 1.7          | 240.1           | ...              | .                   | ...                |
| McMinn                                | 362.6   | ...                       | 40.6           | ...          | 38.9         | 255.2           | ...              | 28.0                | ...                |
| McNairy                               | 377.8   | ...                       | 18.0           | ..           | 39.3         | 269.2           | ...              | 51.3                | ...                |
| Meigs                                 | 201.4   | ...                       | 6.3            | ...          | 54.0         | 117.4           | 23.7             | .                   | ...                |
| Monroe                                | 844.3   | 3.0                       | 35.6           | ...          | 134.8        | 444.0           | 85.5             | .                   | 141.5              |
| Montgomery                            | 385.6   | ...                       | ...            | ...          | 27.6         | 315.6           | 42.5             | ...                 |                    |
| Moore                                 | 185.5   | ...                       | ...            | ...          | ..           | 163.2           | 22.3             | ...                 | ...                |
| Morgan                                | 972.5   | ...                       | ...            | ...          | 202.5        | 770.0           | ...              | ...                 | ...                |
| Obion                                 | 545.9   | .                         | ...            | ...          | .            | 331.2           | .                | 214.8               |                    |
| Overton                               | 927.5   | ...                       | 12.1           | ...          | 42.6         | 592.3           | 280.6            | ...                 | .                  |
| Perry                                 | 615.3   | ...                       | ...            | ...          | 1.3          | 529.6           | 70.0             | 14.4                |                    |
| Pickett                               | 271.9   | ...                       | ...            | ...          | ...          | 251.0           | 20.9             | ...                 |                    |
| Polk                                  | 426.5   | 48.5                      | 86.3           | ...          | 94.7         | 145.8           | 45.0             | ...                 | 6.2                |
| Putnam                                | 633.8   | ...                       | ...            | ..           | 17.6         | 502.5           | 113.7            | ...                 | ...                |
| Rhea                                  | 401.5   | ...                       | ...            | ...          | 46.0         | 293.3           | 62.2             | ...                 | .                  |
| Roane                                 | 538.3   | ...                       | 11.8           | ...          | 51.5         | 338.1           | 137.0            | ...                 |                    |
| Robertson                             | 260.7   | ...                       | ...            | ...          | ...          | 260.7           | ...              | ...                 | ...                |
| Rutherford                            | 89.0    | ...                       | ...            | 3.6          | 24.9         | 60.6            | ...              | ...                 |                    |
| Scott                                 | 1168.6  | 21.1                      | 9.9            | ...          | 54.5         | 903.4           | 179.6            | ...                 | ...                |
| Sequatchie                            | 211.7   | ...                       | 25.6           | ...          | ...          | 165.9           | 20.2             | ...                 | .                  |
| Sevier                                | 376.5   | ...                       | 2.3            | ...          | 104.0        | 242.6           | 27.7             | ...                 | ...                |
| Shelby                                | 671.0   | ...                       | ...            | ...          | ...          | 342.4           | 28.8             | 266.6               | 33.2               |
| Smith                                 | 201.4   | ...                       | ...            | ...          | 5.2          | 125.7           | 70.4             | ..                  | ...                |
| Stewart                               | 748.5   | ...                       | ...            | 15.2         | ...          | 656.4           | 76.9             | ...                 | ...                |
| Sullivan                              | 366.6   | 8.4                       | 2.4            | ...          | 28.1         | 264.7           | 63.0             | .                   | ...                |
| Sumner                                | 271.1   | ...                       | ...            | 3.1          | ...          | 191.5           | 76.6             | ...                 | ...                |
| Tipton                                | 280.7   | ...                       | ...            | ...          | ...          | 150.7           | 91.5             | 29.2                | 9.2                |
| Trousdale                             | 49.3    | ...                       | ...            | ...          | 8.0          | 41.4            | ...              | ...                 | .                  |
| Unicoi                                | 396.0   | 1.6                       | ...            | ...          | 47.4         | 170.3           | 176.7            | ...                 |                    |
| Union                                 | 358.6   | ...                       | 5.7            | ...          | 44.3         | 247.2           | ...              | ...                 | 61.4               |
| Van Buren                             | 343.2   | 20.2                      | 4.2            | ...          | 5.2          | 294.6           | 19.1             | ...                 | .                  |
| Warren                                | 370.5   | ...                       | ...            | ...          | 2.4          | 340.1           | ...              | 27.9                | ...                |
| Washington                            | 288.0   | ...                       | ...            | ...          | 25.8         | 170.9           | 91.4             | ...                 | ...                |
| Wayne                                 | 759.7   | ...                       | 6.6            | ...          | 11.3         | 705.8           | 23.4             | 12.7                | ...                |
| Weakley                               | 448.3   | .                         | ...            | ...          | ...          | 160.2           | ...              | 288.1               | ...                |
| White                                 | 631.8   | ...                       | 3.9            | .            | 10.5         | 508.5           | 105.9            | 2.9                 | ...                |
| Williamson                            | 521.9   | ...                       | ...            | 1.3          | 10.8         | 418.1           | 54.1             | 37.6                | .                  |
| Wilson                                | 76.9    | ...                       | ...            | 2.3          | 30.5         | 44.2            | ..               | ...                 | ..                 |
| All counties                          | 43998.2 | 137.5                     | 520.7          | 56.6         | 2273.9       | 32960.4         | 3811.3           | 3504.1              | 734.5              |

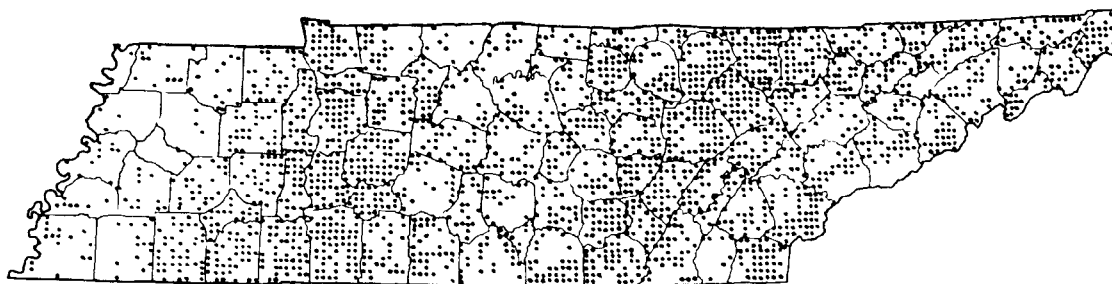


Figure 1.-Location of Forest Inventory and Analysis plots on timberland, Tennessee, 1989.

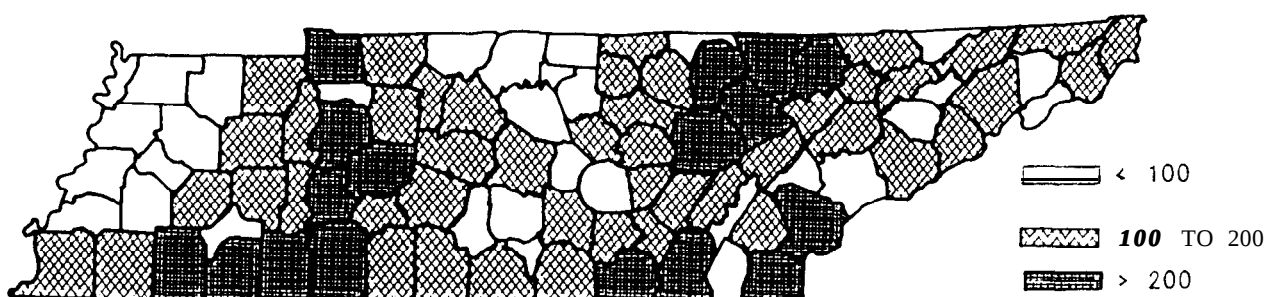


Figure 2.-Total timberland by county in thousand acres, Tennessee, 1989.

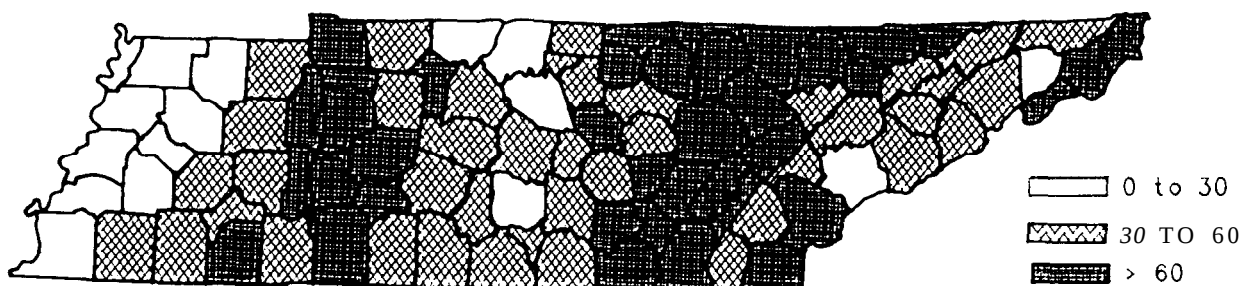


Figure 3.-Percent timberland of total land area by county, Tennessee, 1989.

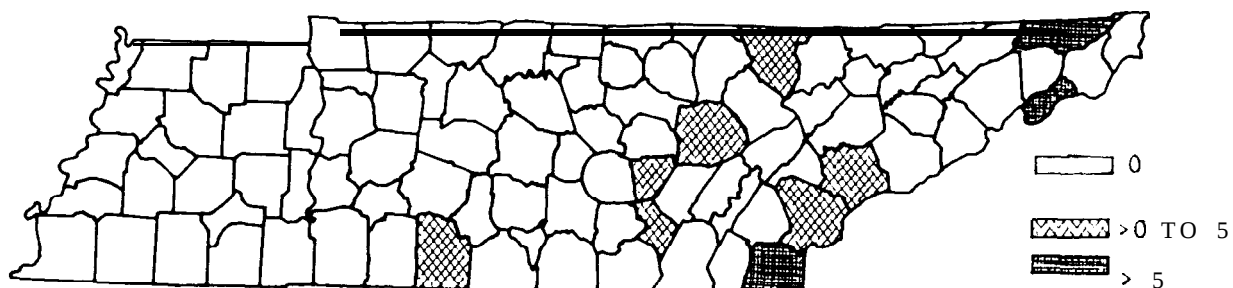


Figure 4.-Percent timberland by county, White Pine/Hemlock forest type (see table 41), Tennessee, 1989.

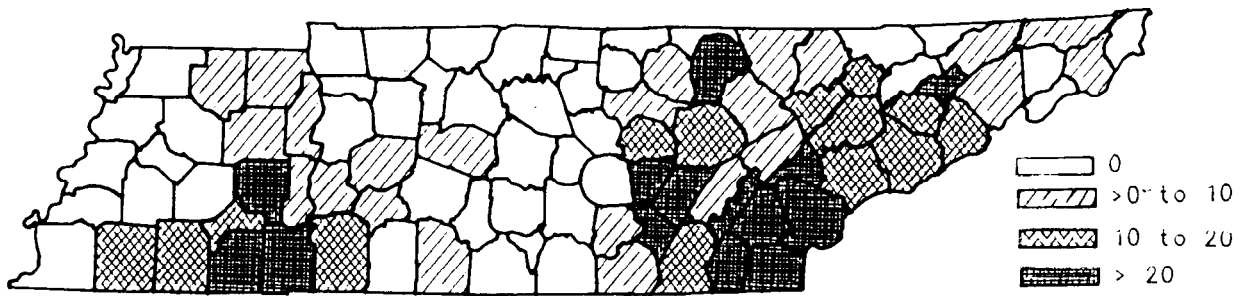


Figure 5.-Percent timberland by county, Yellow Pine forest type (see table 41), Tennessee, 1989.

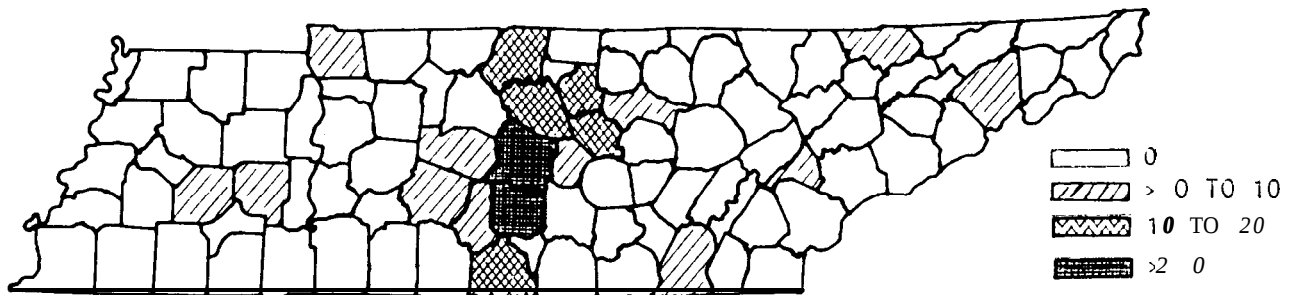


Figure 6.-Percent timberland by county, Red Cedar forest type (see table 41), Tennessee, 1989.

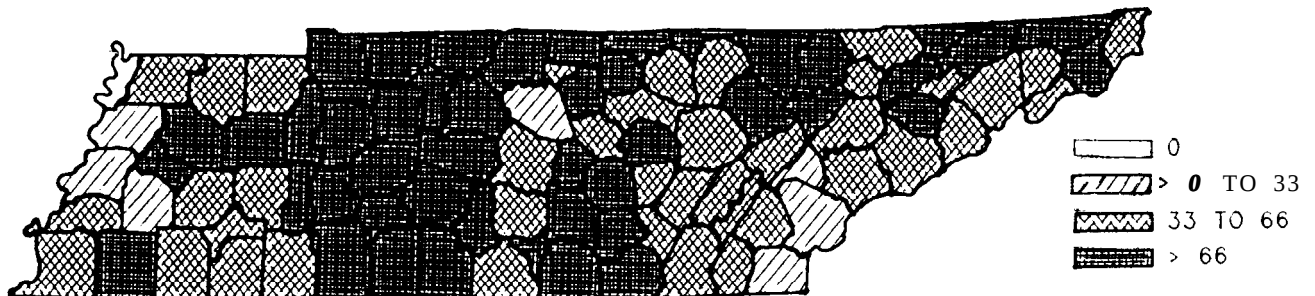


Figure 7.—Percent timberland by county, Oak/Hickory forest type (see table 41), Tennessee, 1989.

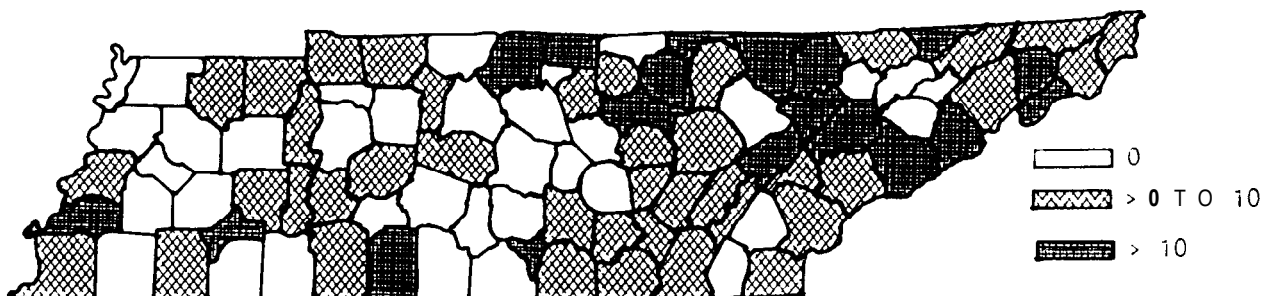


Figure 8.-Percent timberland by county, Yellow-Poplar forest type (see table 41), Tennessee, 1989.

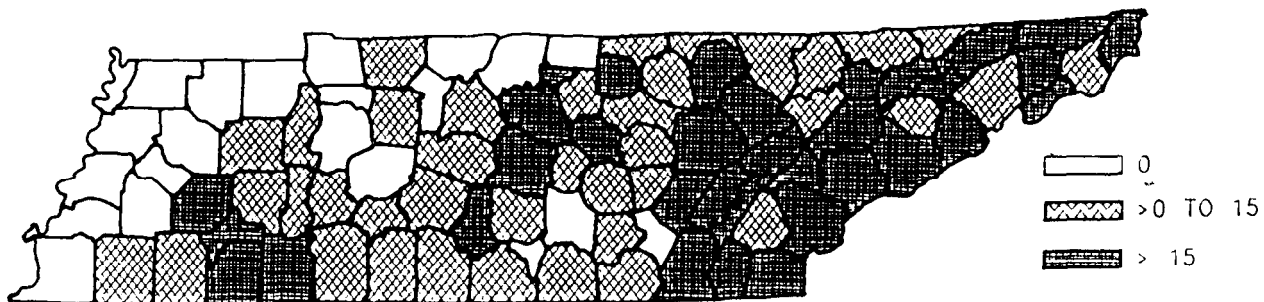


Figure 9.—Percent timberland by county, Oak/Pine forest type (see table 41), Tennessee, 1989.

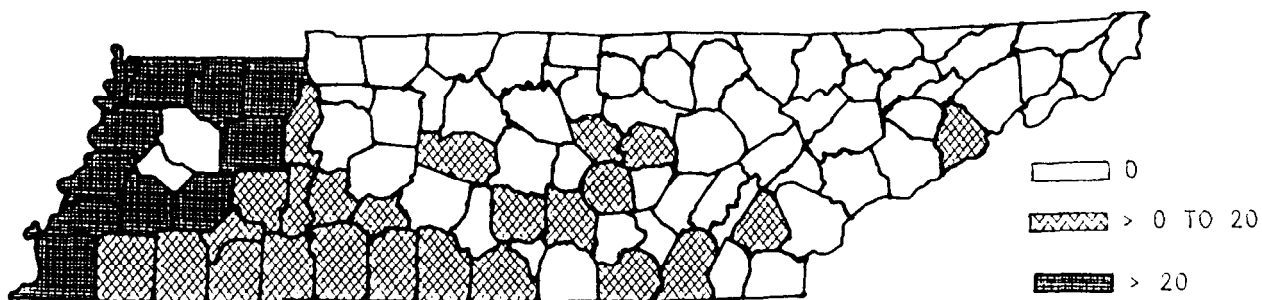


Figure 10.—Percent timberland by county, Bottomland Hardwood forest type, a combination of Oak/Gum/Cypress and Elm/Ash/Cottonwood forest types (see table 41), Tennessee, 1989.

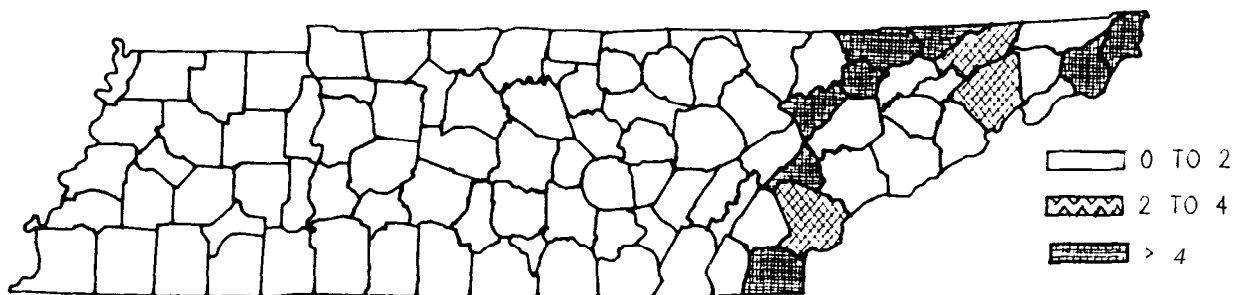


Figure 11.—Percent timberland by county, Maple/Beech/Birch forest type (see table 41), Tennessee, 1989.

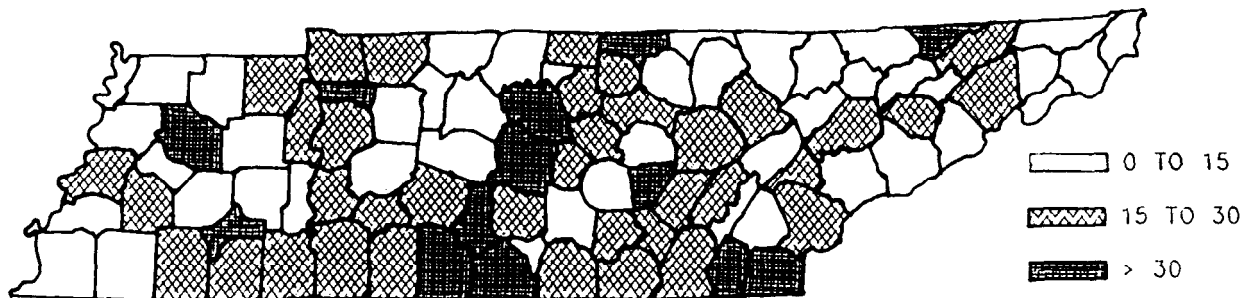


Figure 12.—Percent timberland by county, sapling and seedling stand-size class, Tennessee, 1989.

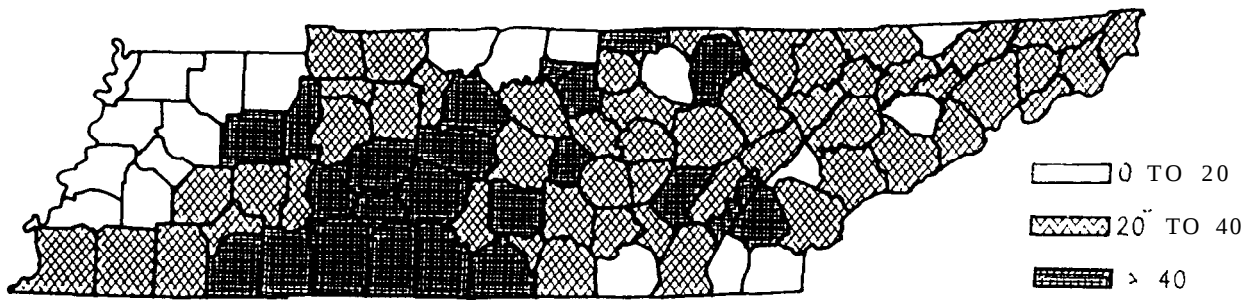


Figure 13.—Percent timberland by county, pole timber stand-size class, Tennessee, 1989.

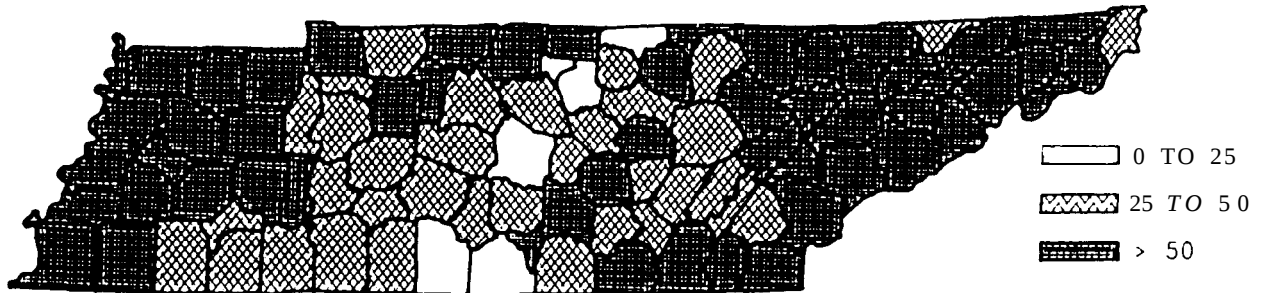


Figure 14.—Percent timberland by county, saw timber stand-size class, Tennessee, 1989.

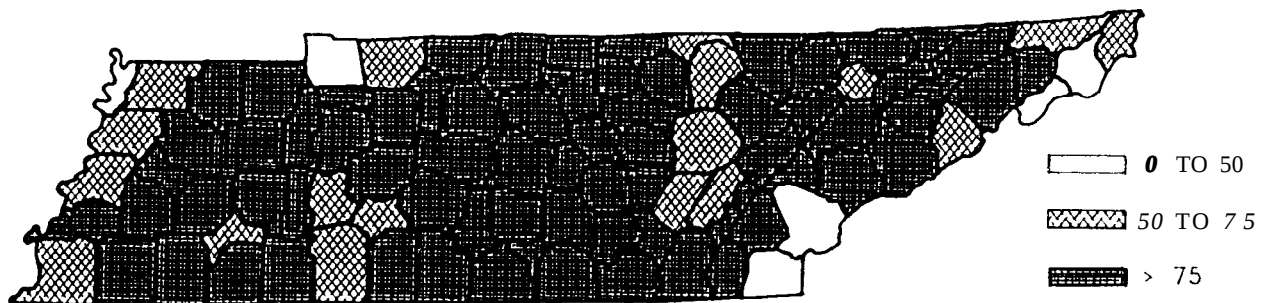


Figure 15.—Percent timberland by county, nonindustrial private ownership class, Tennessee, 1989.

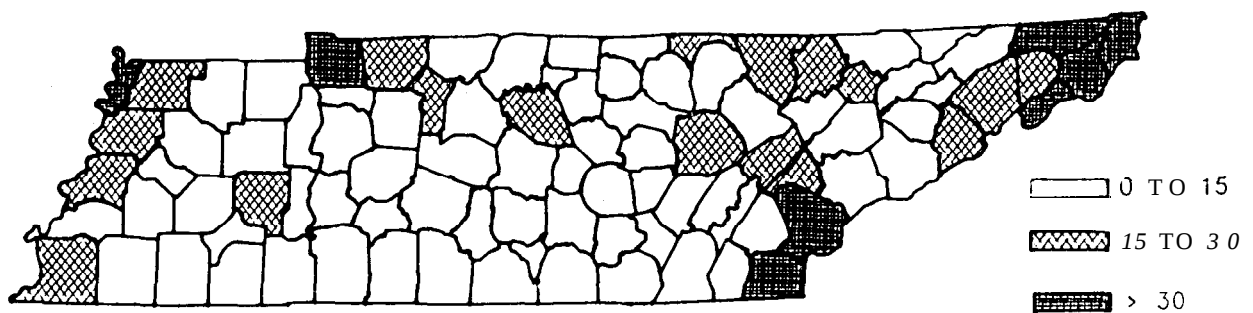


Figure 16.—Percent timberland by county, public ownership class, Tennessee, 1989.

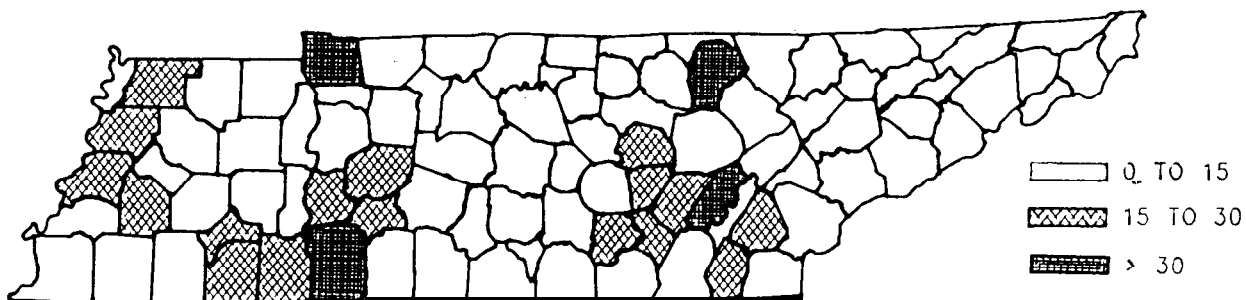


Figure 17.-Percent timberland by county, forest industry ownership class, Tennessee, 1989.

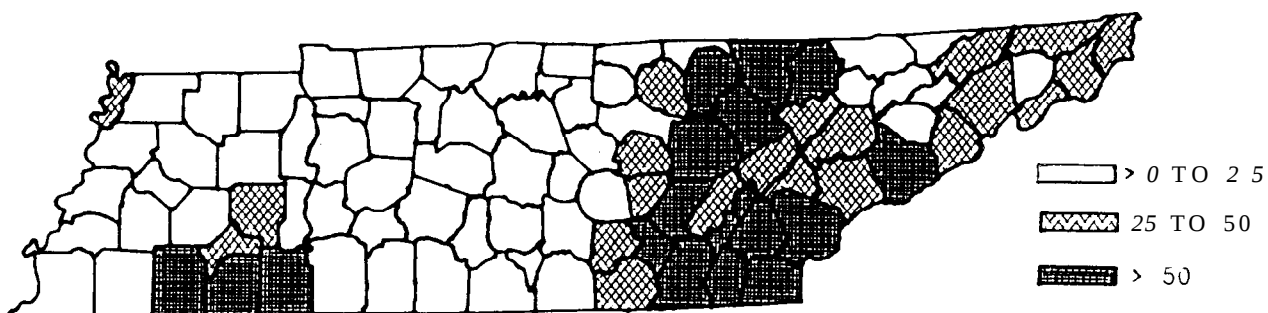


Figure 18.-Softwood volume of growing stock by county, in million cubic feet, Tennessee, 1989.

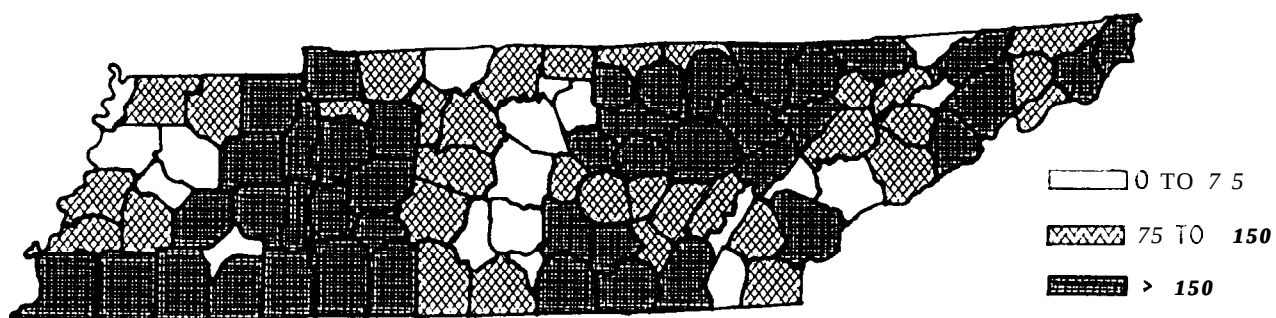


Figure 19.-Hardwood volume of growing stock by county, in million cubic feet, Tennessee, 1989.

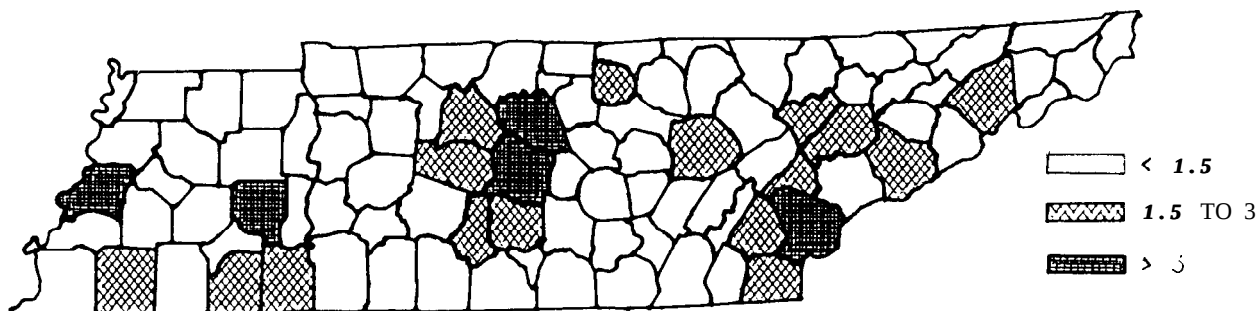


Figure 20.-Softwood volume of rough and rotten trees by county, in million cubic feet, Tennessee, 1989.

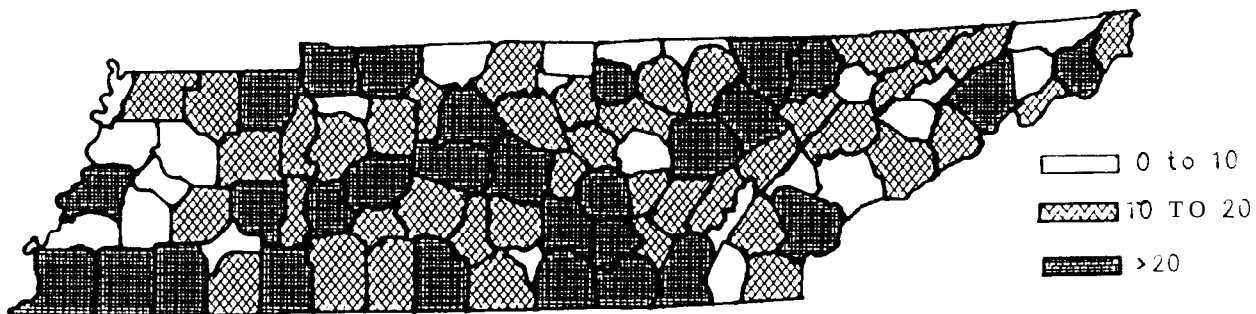


Figure 21.—Hardwood volume of rough and rotten trees by county, in million cubic feet, Tennessee, 1989.

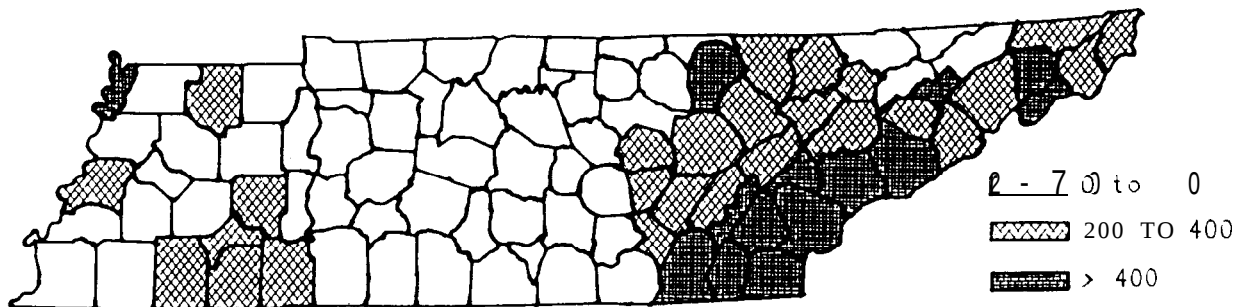


Figure 22.—Average softwood volume of growing stock on timberland by county, in cubic feet per acre, Tennessee, 1989.

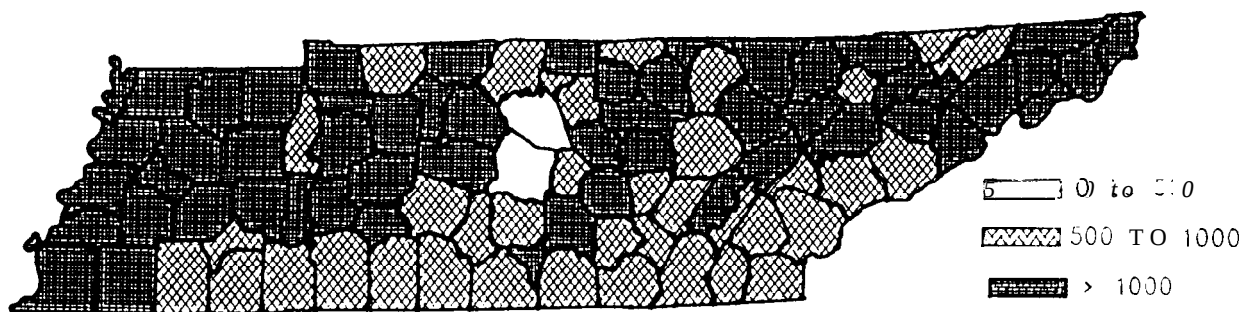


Figure 23.—Average hardwood volume of growing stock on timberland by county, in cubic feet per acre, Tennessee, 1989.

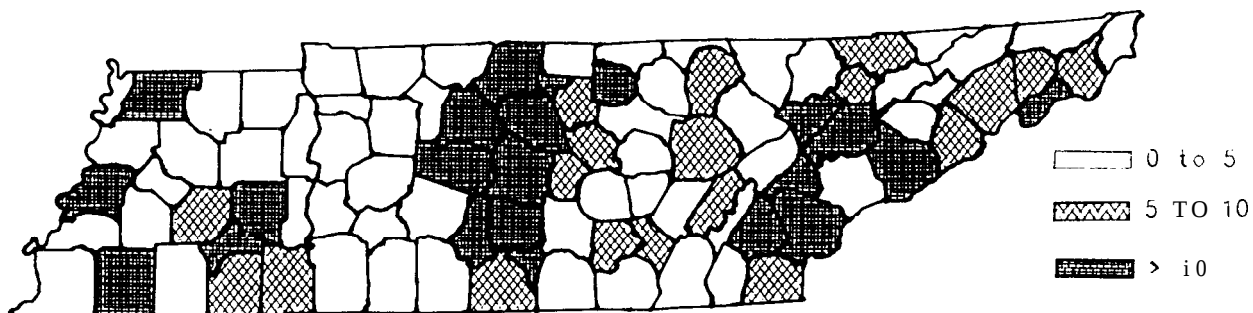


Figure 24.—Average softwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Tennessee, 1989.

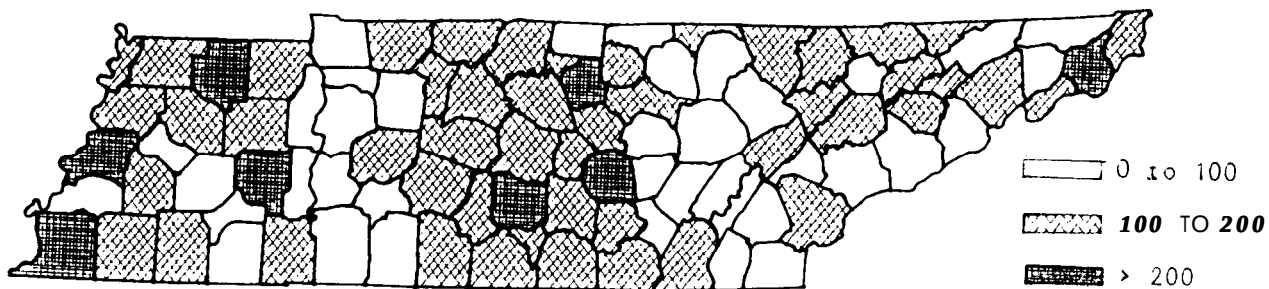


Figure 25.—Average hardwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Tennessee, 1989.

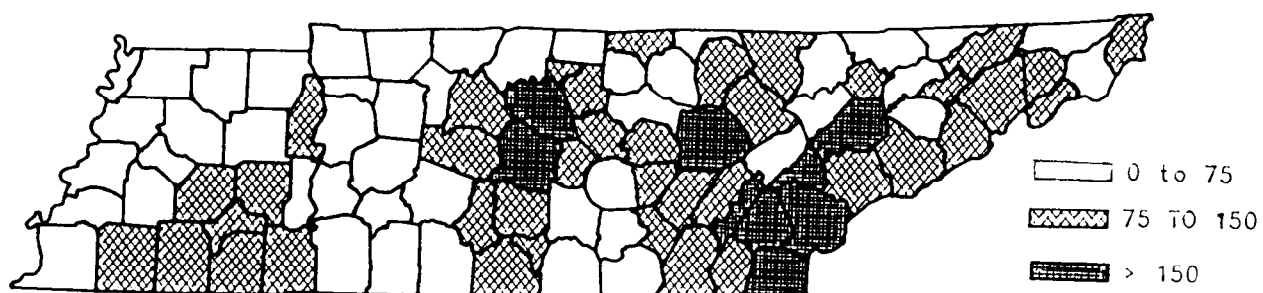


Figure 26.—Average number of live softwood trees per acre on timberland by county, Tennessee, 1989.

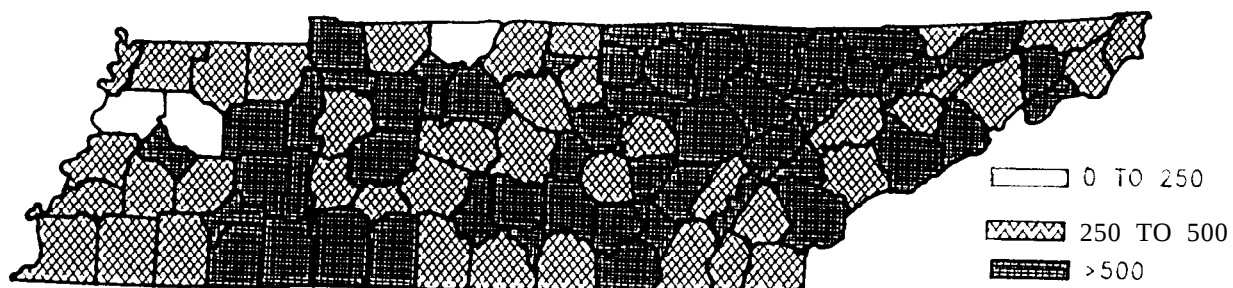


Figure 27.—Average number of live hardwood trees per acre on timberland by county, Tennessee, 1989.

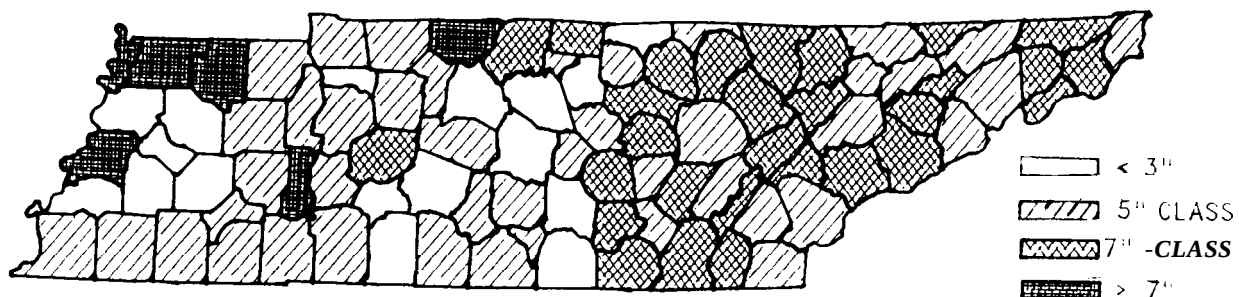


Figure 28.—Average softwood DBH by county, quadratic mean diameter in inches, two inch diameter classes, Tennessee, 1989.

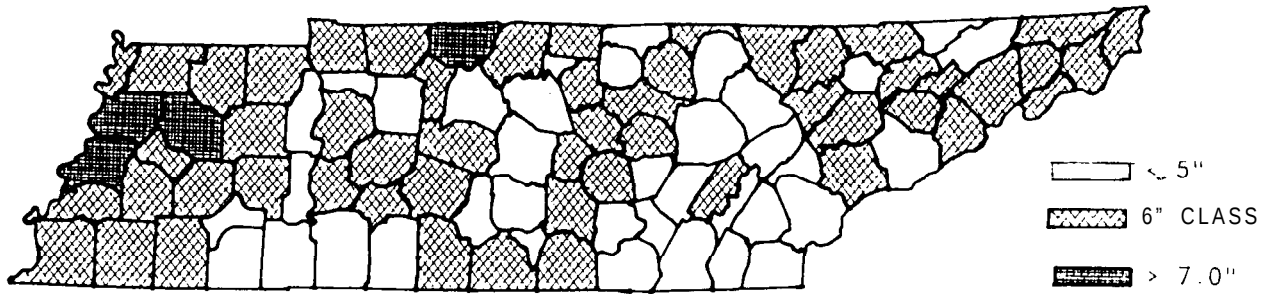


Figure 29.-Average hardwood DBH by county, quadratic mean diameter in one inch diameter classes, Tennessee, 1989.

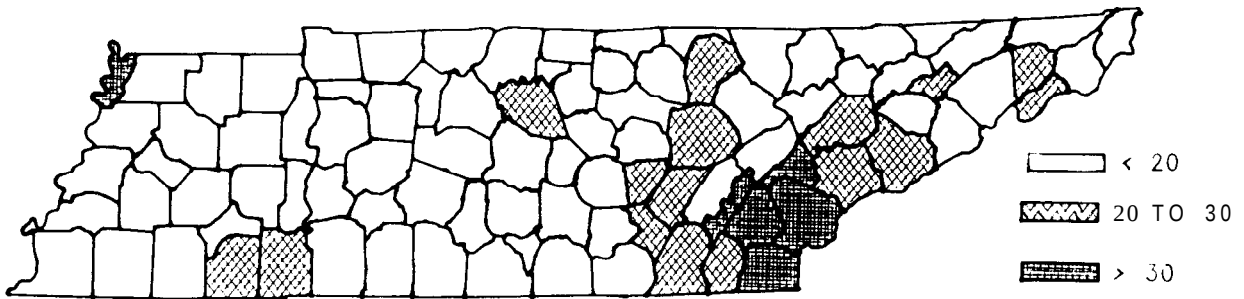


Figure 30.-Average softwood basal area per acre on timberland by county, in square feet, Tennessee, 1989.



Figure 31.-Average hardwood basal area per acre on timberland by county, in square feet, Tennessee, 1989.

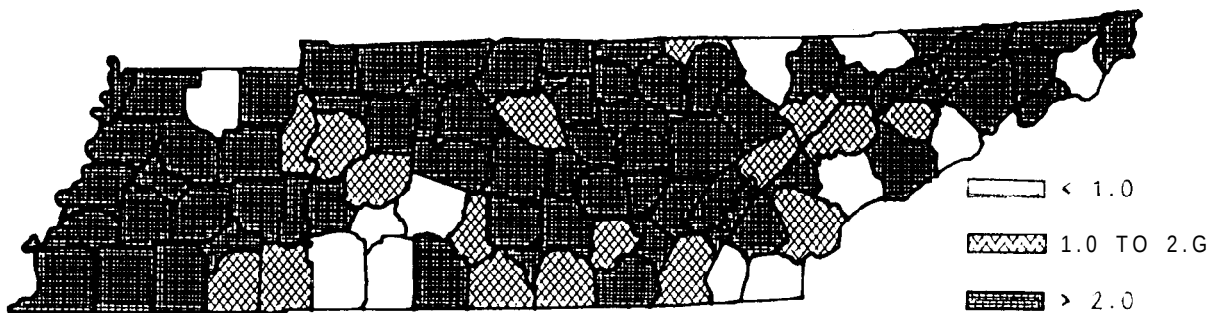


Figure 32.-Ratio of average net annual growth to average net annual removals of growing stock for softwoods by county, Tennessee, 1989. A value greater than 1.0 indicates more growth than removals; a value less than 1.0 indicates more removals than growth.

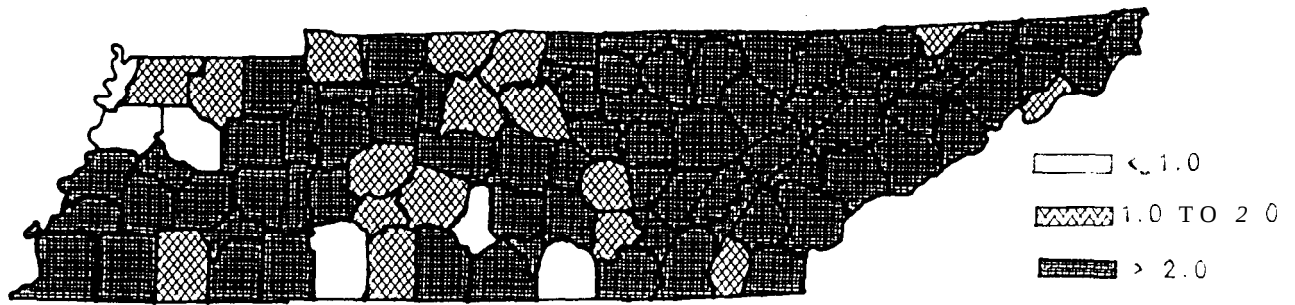


Figure 33.—*Ratio of average net annual growth to average net annual removals of growing stock for hardwoods by county, Tennessee, 1989. A value greater than 1.0 indicates more growth than removals; a value less than 1.0 indicates more removals than growth.*

Vissage, John S.; Duncan, K. L. 1990. Forest Statistics for Tennessee Counties-1989. Resource Bull. SO-148. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 72 p.

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

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

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