



## Southern Forest Experiment Station

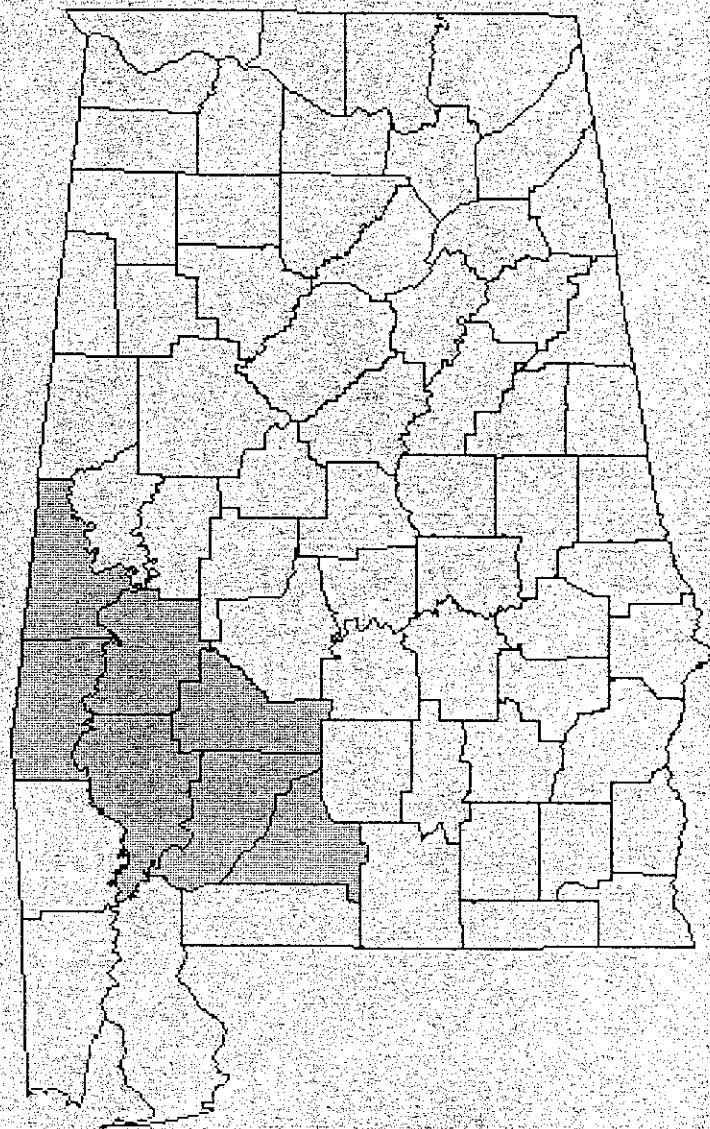
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# Forest Statistics for Southwest-North Alabama Counties — 1990

William H. McWilliams, Patrick E. Miller, and  
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## SUMMARY

The 1990 forest inventory of Southwest-North Alabama revealed the following:

- Timberland area is 3,463.4 thousand acres, an increase of 2 percent.
- The region is the most heavily forested and has the largest concentration of high-site timberland of all the forest survey regions in Alabama.
- The area of pine-type timberland increased by 22 percent. The area of oak-pine and hardwood forest types decreased by 9 percent.
- The area of planted pine stands more than doubled. Half of the pine-type timberland is of artificial origin, compared to 29 percent in 1982.
- Live-tree inventory volume totals 4,607.6 million cubic feet, an increase of 5 percent. The volume of live softwoods increased by 9 percent. The volume of live hardwoods showed no significant change.
- Sawtimber inventory volume increased by 19 percent for both softwoods and hardwoods.
- Average net growth of live trees increased by 16 percent since the previous inventory. The net growth of softwoods increased by 9 percent. The net growth of hardwoods increased by 28 percent.
- The removals of live trees increased by 12 percent due to a 44 percent increase in hardwood removals. Softwood removals decreased slightly, by 3 percent.
- The growth-to-removals ratio is 1.1:1.0 for both softwoods and hardwoods. The softwood ratio is 1.1:1.0, compared to 1.0:1.0 for the period from 1972-1981. The hardwood ratio is 1.1:1.0, compared to 1.2:1.0 previously.

## FOREWORD

The USDA-Forest Service, Southern Forest Experiment Station, Forest Inventory and Analysis unit (SO-FIA), conducts forest inventories covering the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, Texas, and the island of Puerto Rico.

The SO-FIA forest inventories are part of a nationwide effort originally authorized by the McSweeney-McNary Act of 1928. More recent legislation pertinent to the SO-FIA mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The SO-FIA mission is to develop, analyze, and maintain forest resource information that is essential for formulation of forest policies and programs.

## ACKNOWLEDGMENTS

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<sup>1</sup>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.

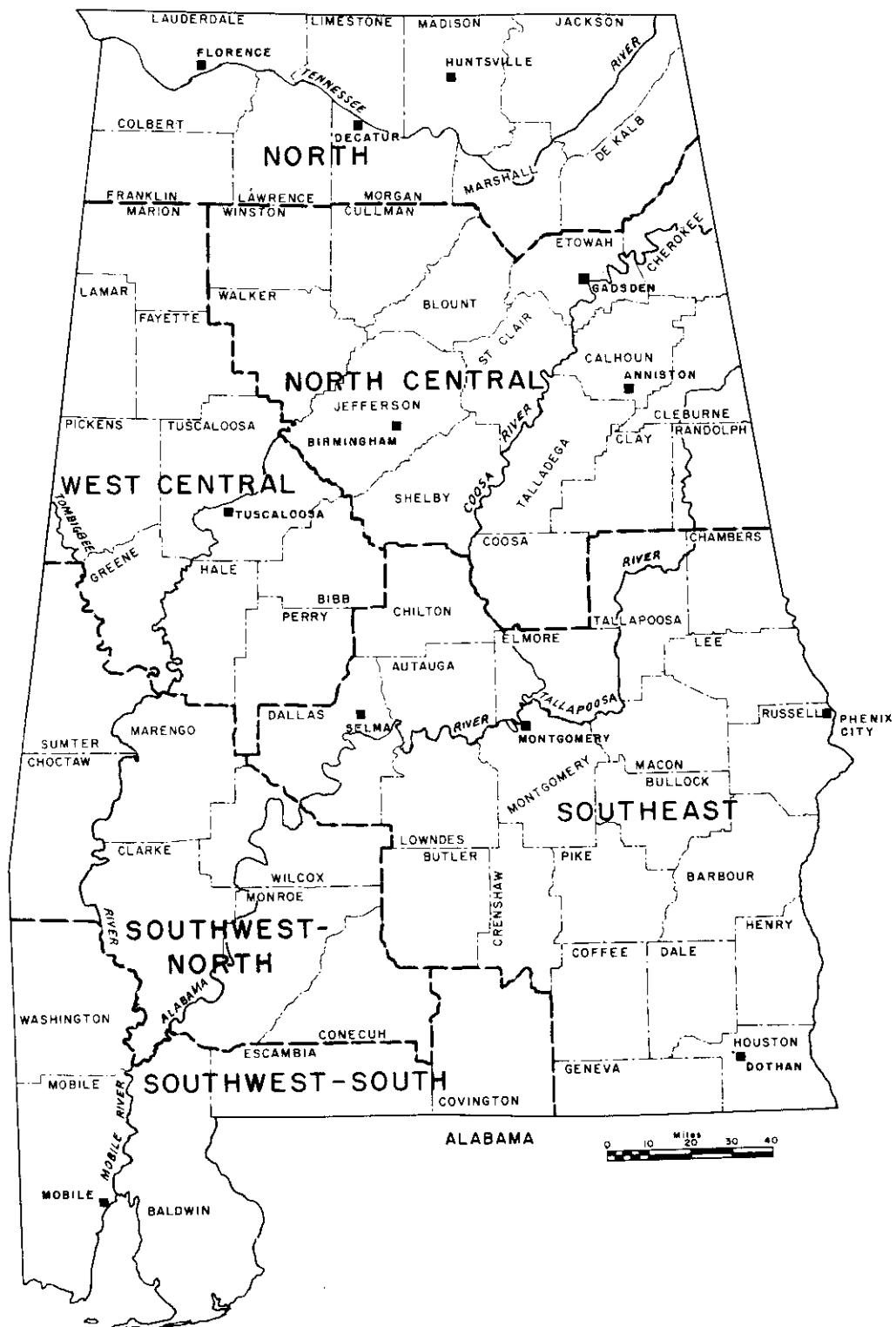


Figure I.—Forest survey regions in Alabama.

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## INTRODUCTION

Tabulated results were derived from data obtained during a recent forest inventory of Southwest-North Alabama (fig. I). Core tables (1 to 25) are compatible among Forest Inventory and Analysis units in the Eastern U.S. Other tables (26 to 43) supplement the information contained in the core tables. Comparisons are made between results of the 1990 inventory and previous inventories conducted in 1982 and 1972.

## METHODS

The SO-FIA uses a two-phase sample of temporary aerial-photo points and a systematic grid of permanent ground plots. The area of forested land was determined by photointerpretation of temporary points and field checks of permanent plots. Field measurements were conducted on a subset of permanent plots spaced 3 miles apart. Tree data were collected on measurement plots that were forested at the time of the current inventory, or were forested at the time of the previous inventory.

Each measurement plot consisted of 10 satellite points spread over an acre of forest. At each point, trees 5.0 inches in diameter at breast height and larger were selected for measurement on a variable-radius plot defined by a 37.5 BAF prism. Trees from 1.0 to 4.9 inches in diameter were tallied on 1/275 acre fixed plots at the first three points and at any remaining points where fewer than two trees 5.0 inches in diameter or larger were tallied. If no trees greater than 1.0 inch were tallied at a point, then seedlings were tallied. Several plot-level measurements relating to timber and non-timber assessment were also collected.

Tree data were used to estimate volumes, basal area, number of trees, and other per-acre variables. Ownership information was obtained for each measurement plot using tax records and other sources. Per acre estimates were expanded using county-level factors derived as part of the forest area determination. Thus, estimates at the county level may not match exactly with known totals for a particular variable.

In order to achieve greater compatibility among Forest Inventory and Analysis units, a modified tree classification system has been in effect since the 1988 inventory of Arkansas. Tree grade 5 is used to designate trees capable of producing at least one 12-foot log or two 8-foot logs in the saw-log portion, but not capable of producing a gradable 12-foot log in the butt 16-foot section. These trees - formerly classed as rough or rotten - are now included in growing stock. Any comparisons with previous estimates of growing stock are based on data that has been reprocessed to account for the change in definition. Because of the revised

definition, and to better assess changes in whole-forest conditions; analysis of trends in inventory volume, growth, removals, and mortality will focus on live trees.

## SAMPLING ERROR

The sampling methods were 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 compute confidence intervals for population estimates. For example, at the 95 percent confidence level, the confidence interval for live-tree volume (in million cubic feet) is:

$$4,607.6 \pm 1.96 (0.034 \times 4,607.6) = 4,607.6 \pm 307.1$$

where 1.96 is the number of standard deviations. This confidence interval indicates a 0.95 probability that the range, 4,300.5 to 4,914.7 million cubic feet, will cover the true live-tree inventory volume.

The results are reported for individual counties so that users may combine counties as desired. It is not recommended that individual county data be used in isolation. The user should combine data for as many counties as possible. Sampling error for a combination of counties may be estimated using 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 unit.

For example, the estimate of sampling error for live-tree volume in Clarke, Conecuh, Marengo, Monroe, and Wilcox counties is 4.0 percent. The 95 percent confidence interval for live-tree volume is  $3,328.5 \pm 261.0$  million cubic feet.

## RESULTS

### Area

The topography of Southwest-North Alabama ranges from hills to rolling uplands that are common to the East Gulf

Table I—Sampling errors<sup>1</sup> for timberland, live trees, growing stock, and sawtimber, Southwest-North Alabama Counties, 1990

| County       | Live trees |        |        |          | Growing stock |        |          | Sawtimber<br>volume |
|--------------|------------|--------|--------|----------|---------------|--------|----------|---------------------|
|              | Timberland | Volume | Growth | Removals | Volume        | Growth | Removals |                     |
|              |            |        |        |          |               |        |          |                     |
| Percent      |            |        |        |          |               |        |          |                     |
| Choctaw      | 0.9        | 8.3    | 7.5    | 19.0     | 8.4           | 8.0    | 19.0     | 10.6                |
| Clarke       | 1.1        | 6.3    | 6.5    | 15.6     | 6.4           | 6.5    | 15.5     | 8.3                 |
| Conecuh      | 1.9        | 11.1   | 13.4   | 22.8     | 11.5          | 13.4   | 23.0     | 18.2                |
| Marengo      | 1.3        | 9.8    | 9.9    | 18.2     | 9.9           | 9.6    | 18.3     | 11.7                |
| Monroe       | 1.5        | 8.1    | 7.1    | 15.3     | 8.3           | 7.4    | 15.3     | 10.9                |
| Sumter       | 1.5        | 11.4   | 11.9   | 24.0     | 11.6          | 12.3   | 24.0     | 15.4                |
| Wilcox       | 2.1        | 9.7    | 9.9    | 18.9     | 10.0          | 10.3   | 19.1     | 13.1                |
| All counties | 0.6        | 3.4    | 3.4    | 7.2      | 3.4           | 3.5    | 7.2      | 4.5                 |

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

Coastal Plain. The Tombigbee and Alabama River systems flow through the area, along with many creeks and streams. Forests cover 3.5 million acres or 80 percent of the land area, making this the most heavily forested survey region in Alabama. All of the forest land is classified as timberland capable of producing industrial wood products. The area of timberland increased slightly, by 2 percent.

The region is characterized by a large concentration of highly productive timberland. Eighty-six percent of the timberland is capable of growing 85 cubic feet of wood (roughly a cord) or more per acre annually. Nearly half of the timberland is capable of growing 120 cubic feet or more annually.

Private owners dominate timberland ownership with 99 percent of the region's timberland. Nonindustrial private owners control 61 percent of the timberland. Nonindustrial timberland is divided among miscellaneous individuals (58 percent), farmers (35 percent), and miscellaneous corporations (other than forest industry) (7 percent). Farmer-owned timberland was the only ownership class to show a decrease since 1982 (by 19 percent). Forest industry owns a large share of the timberland with 38 percent. The estimate of forest industry timberland includes 180.2 thousand acres under long-term lease from nonindustrial private owners.

Pine forests account for most of the timberland (43 percent of the total area). The area of pine forest, 1.5 million acres, increased by 22 percent. Most of the pine-type timberland (93 percent) is made up of loblolly-shortleaf stands, of which, nearly all are stands dominated by loblolly pine. The most significant trend pertaining to pine forests was a more than doubling of the area of planted pine stands. The increase in planted stands is a continuation of a trend that began during the 1970's. Between 1972 and 1982, the area of planted pine stands increased by 130 percent. However, the net increase in planted pine acreage was much less than the more recent increase. Additions of planted pine acreage averaged 19.7 thousand acres per year between 1972 and 1982. This compares with an average of 49.3 thousand acres per year between 1982 and 1990. Planted pine stands now make up half of the pine-type timberland, or 742.3 thousand acres. There are an additional 165.0 thousand acres with evidence of planting or direct seeding

that are classified as oak-pine and hardwood forest types due to hardwood stocking.

Oak-pine forests are defined as stands where the majority of stocking is in hardwood species, but are at least 25 percent stocked with pines. The area of oak-pine forests decreased by 6 percent, totaling 642.6 thousand acres (18 percent of total timberland).

Hardwood forests occur on 39 percent of the timberland, or 1.3 million acres. Hardwood-type timberland decreased by 10 percent. Sixty-one percent of the hardwood forest is comprised of oak-hickory stands. The other 38 percent consists of oak-gum-cypress forests.

The distribution of timberland by stocking class gives an indication of overall forest vigor. Stocking is assessed by comparing existing stand density to a standard that represents full stocking or 100 percent (based on number of trees per acre). The optimal range of stocking is between 60 and 100 percent of the standard. Fifty-one percent of the timberland is in the optimal stocking class, an increase of 17 percent. The area of fully-stocked stands (from 100 to 130 percent stocked) increased by 15 percent. The area with low stocking (less than 60 percent stocked) decreased by 37 percent.

## Inventory

The volume of live trees increased by 5 percent, totaling 4.6 billion cubic feet. The volume of live trees includes the merchantable sound-wood volume of growing-stock trees, rough trees, and rotten trees that are at least 5.0 inches in diameter at breast height. The growing-stock component of live-tree volume - the volume of trees with good management potential - comprises 94 percent of the live-tree volume.

Softwood volume represents 54 percent of the live-tree inventory, or 2.5 billion cubic feet. The volume of softwoods increased by 9 percent. Loblolly pine is the most abundant species, with 66 percent of the softwood inventory. Shortleaf pine is second with 17 percent, followed by several less prevalent softwood species that include spruce pine (6 percent), slash pine (4 percent), and longleaf pine (3 percent).

Changes in the distribution of live-tree volume by diameter class, or the stock table, provide insight into the nature of inventory change. Most of the changes in the

Table II – *Components of average annual change in the volume of live trees by inventory period and species group, Southwest-North Alabama Counties, 1990*

| Inventory period<br>and species group | Gross Growth |           | Removals |
|---------------------------------------|--------------|-----------|----------|
|                                       | Net growth   | Mortality |          |
| -----Million cubic feet-----          |              |           |          |
| 1972 to 1981:                         |              |           |          |
| Softwoods                             | 132.1        | 15.6      | 130.1    |
| Hardwoods                             | 73.1         | 28.0      | 59.7     |
| Total                                 | 205.2        | 43.6      | 189.8    |
| 1982 to 1989:                         |              |           |          |
| Softwoods                             | 144.5        | 18.0      | 126.5    |
| Hardwoods                             | 93.4         | 19.7      | 85.7     |
| Total                                 | 237.9        | 37.7      | 212.2    |

softwood stock table have taken place in the 6- through 12-inch classes. Over the past two inventory periods, there have been net increases in the 6- and 8-inch classes. The 10- and 12-inch classes have undergone erratic changes due to the impact of multiple factors, such as ingrowth and removals. With the exception of the 14-inch class, which has shown little change, increases occurred in the larger diameter classes.

Hardwood volume is 46 percent of the live-tree volume, or 2.1 billion cubic feet. The volume of hardwoods is essentially unchanged since 1982. The most abundant hardwood species are red oaks (27 percent of the hardwood volume), sweetgum (20 percent), white oaks (11 percent), gums (7 percent), hickories (6 percent), and yellow poplar (6 percent).

Changes in the hardwood stock table were minor, except for a sharp decrease in the 10-inch class between 1972 and 1982. The 10-inch class now totals about the same as it did in 1972. Some increases occurred in the larger diameter classes.

The volume of sawtimber, 16.3 billion board feet (International 1/4-inch rule), increased by 19 percent for both softwoods and hardwoods. The sawtimber inventory is 64 percent softwood and 36 percent hardwood.

### Components of Change

Changes in the volume of live trees depend on three components: gross growth, mortality, and removals. Annual estimates of change are based on the period from the year of the previous inventory through the year prior to the present inventory. Gross growth of live trees was 275.6 million cubic feet for the period prior to 1990, an 11 percent increase over the period from 1972 to 1981 (table II).

Net growth - equal to gross growth minus mortality - increased by 16 percent. Softwoods contributed 61 percent of the total net growth and hardwoods contributed 39 percent. The net growth of softwoods increased by 9 percent and the net growth of hardwoods increased by 28 percent.

Removals of live trees, 212.2 million cubic feet, was 12 percent higher than the period prior to 1982. Removals

were 60 percent softwood and 40 percent hardwood. Softwood removals decreased by 3 percent. Hardwood removals increased by 44 percent.

The ratio of net growth-to-removals is one measure of a forest's capacity to expand in volume. A ratio greater than 1.0:1.0 usually indicates increases in inventory volume. For the current inventory period, the growth-to-removals ratio was 1.1:1.0; remaining constant since the previous inventory period. The ratio was 1.1:1.0 for both softwoods and hardwoods. The softwood ratio increased from 1.0:1.0 for the previous period. The hardwood ratio tightened slightly, mainly due to the increase in hardwood removals. The hardwood ratio was 1.2:1.0 for the previous period.

### CONCLUSIONS

Southwest-North Alabama remains as the State's eminent timber-producing region, as well as a major source of other forest-related resources. Forest management activity has intensified substantially over the past two decades, particularly the management of pine stands. This trend is illustrated by a two-fold increase in the area of artificially-regenerated pine stands and an improvement in general stocking characteristics.

The region continues to satisfy a high demand for timber. The softwood growth-to-removals relationship is tight, but has improved since the previous inventory period. Further improvement is probable in light of the finding that at least one-fourth of the region's pine-type timberland is less than 10 years old. Ingrowth from this population of young stands will provide a boost to softwood growth over the next decade. Ingrowth from earlier establishment of pine stands has already caused expansion of volume in the 6- and 8-inch diameter classes. However, future prospects for the softwood resource will also depend on future harvest levels and continued emphasis on management.

The margin of hardwood growth over removals has narrowed over the past eight years due to a 44 percent increase in removals. A decrease in the area of hardwood-type timberland and a decrease in the volume of pole-sized hardwoods suggest the need for close monitoring

of the hardwood resource in the future. So far, recent resource developments have not had a negative impact on the hardwood sawtimber resource. The outlook for hardwoods will depend on future harvest levels, the establishment of young stands containing hardwoods, and management of existing stands. The increased demand for hardwoods could provide economic incentive for the needed intensification of hardwood management.

## DEFINITION OF TERMS

*Average net annual growth.*—Average net annual volume increase for the inventory period.

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

*Average annual removals.*—Average net annual volume of 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 trees.*—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 trees.*—Commercial and noncommercial tree species of sapling size or larger.

*Live-tree volume.*—The cubic-foot volume of sound wood in live 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.

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

*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 evidence of planting or direct seeding.

*Poletimber trees.*—Live 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 live trees of noncommercial species.

*Saplings.*—Live trees at least 1.0 inches 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.*—Live 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 1-25

Table 1—Area by county and land class, Southwest-North Alabama Counties, 1990

| County                   | All land <sup>1</sup> | Forest land |                         |                       | Reserved timberland | Nonforest land |
|--------------------------|-----------------------|-------------|-------------------------|-----------------------|---------------------|----------------|
|                          |                       | Total       | Timberland <sup>2</sup> | Woodland <sup>3</sup> |                     |                |
| -----Thousand acres----- |                       |             |                         |                       |                     |                |
| Choctaw                  | 582.0                 | 508.7       | 508.7                   | ...                   | ...                 | 73.4           |
| Clarke                   | 787.3                 | 723.5       | 723.5                   | ...                   | ...                 | 63.8           |
| Conecuh                  | 546.5                 | 458.5       | 458.5                   | ...                   | ...                 | 88.1           |
| Marengo                  | 628.4                 | 402.4       | 402.4                   | ...                   | ...                 | 226.0          |
| Monroe                   | 652.3                 | 527.3       | 527.3                   | ...                   | ...                 | 125.0          |
| Sumter                   | 580.6                 | 401.6       | 401.6                   | ...                   | ...                 | 179.0          |
| Wilcox                   | 565.2                 | 441.5       | 441.5                   | ...                   | ...                 | 123.7          |
| All counties             | 4342.4                | 3463.4      | 3463.4                  | ...                   | ...                 | 878.9          |

<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 timberland.

<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, Southwest-North Alabama Counties, 1990

| County                   | All ownerships | National forest | Misc. federal | State | County and municipal | Forest industry <sup>1</sup> | Farmer | Corporate <sup>2</sup> | Individual <sup>2</sup> |
|--------------------------|----------------|-----------------|---------------|-------|----------------------|------------------------------|--------|------------------------|-------------------------|
| -----Thousand acres----- |                |                 |               |       |                      |                              |        |                        |                         |
| Choctaw                  | 508.7          | ...             | ...           | ...   | ...                  | 167.6                        | 57.8   | 46.2                   | 237.0                   |
| Clarke                   | 723.5          | ...             | ...           | 5.4   | 5.4                  | 375.4                        | 27.2   | 21.8                   | 288.3                   |
| Conecuh                  | 458.5          | ...             | ...           | ...   | ...                  | 187.0                        | 150.8  | ...                    | 120.7                   |
| Marengo                  | 402.4          | ...             | ...           | ...   | ...                  | 121.9                        | 85.4   | 18.3                   | 176.8                   |
| Monroe                   | 527.3          | ...             | 5.2           | 5.2   | ...                  | 198.4                        | 130.5  | 20.9                   | 167.1                   |
| Sumter                   | 401.6          | ...             | 6.3           | ...   | ...                  | 112.9                        | 100.4  | 37.6                   | 144.3                   |
| Wilcox                   | 441.5          | ...             | 5.7           | 5.7   | 5.7                  | 149.1                        | 183.5  | 11.5                   | 80.3                    |
| All counties             | 3463.4         | ...             | 17.2          | 16.4  | 11.2                 | 1312.4                       | 735.6  | 156.3                  | 1214.4                  |

<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, Southwest-North Alabama Counties, 1990

| County                            | Total  | Forest type group      |         |                            |         |              |                 |                     |                        |
|-----------------------------------|--------|------------------------|---------|----------------------------|---------|--------------|-----------------|---------------------|------------------------|
|                                   |        | Longleaf-slash<br>pine |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood |
|                                   |        | Planted                | Natural | Planted                    | Natural |              |                 |                     |                        |
| ----- <i>Thousand acres</i> ----- |        |                        |         |                            |         |              |                 |                     |                        |
| Choctaw                           | 508.7  | ...                    | ...     | 104.0                      | 121.4   | 98.3         | 109.8           | 75.1                | ...                    |
| Clarke                            | 723.5  | 16.3                   | 5.4     | 114.2                      | 168.6   | 152.3        | 136.0           | 130.6               | ...                    |
| Conecuh                           | 458.5  | 12.1                   | 18.1    | 120.7                      | 54.3    | 72.4         | 126.7           | 54.3                | ...                    |
| Marengo                           | 402.4  | ...                    | ...     | 48.8                       | 109.7   | 67.1         | 103.6           | 73.2                | ...                    |
| Monroe                            | 527.3  | 31.3                   | 15.7    | 99.2                       | 78.3    | 99.2         | 135.7           | 67.9                | ...                    |
| Sumter                            | 401.6  | ...                    | ...     | 75.3                       | 100.4   | 50.2         | 106.7           | 62.7                | 6.3                    |
| Wilcox                            | 441.5  | ...                    | 5.7     | 120.4                      | 63.1    | 103.2        | 97.5            | 51.6                | ...                    |
| All counties                      | 3463.4 | 59.7                   | 44.9    | 682.6                      | 695.8   | 642.6        | 816.0           | 515.4               | 6.3                    |

Table 4—Area of timberland by county and stand-size class, Southwest-North Alabama Counties, 1990

| County       | All classes | Stand-size class |            |                  |
|--------------|-------------|------------------|------------|------------------|
|              |             | Sawtimber        | Poletimber | Sapling-seedling |
| Choctaw      | 508.7       | 219.7            | 127.2      | 161.8            |
| Clarke       | 723.5       | 353.6            | 163.2      | 206.7            |
| Conecuh      | 458.5       | 108.6            | 120.7      | 229.2            |
| Marengo      | 402.4       | 176.8            | 61.0       | 164.6            |
| Monroe       | 527.3       | 229.7            | 83.5       | 214.0            |
| Sumter       | 401.6       | 156.9            | 100.4      | 144.3            |
| Wilcox       | 441.5       | 160.6            | 86.0       | 195.0            |
| All counties | 3463.4      | 1405.8           | 741.9      | 1315.7           |

Table 5—Area of timberland by county and site class, Southwest-North Alabama Counties, 1990

| County                            | All<br>classes | Site class (cubic feet/acre/year) |         |        |       |      |
|-----------------------------------|----------------|-----------------------------------|---------|--------|-------|------|
|                                   |                | > 165                             | 120-165 | 85-120 | 50-85 | < 50 |
| ----- <i>Thousand acres</i> ----- |                |                                   |         |        |       |      |
| Choctaw                           | 508.7          | 98.3                              | 161.8   | 213.9  | 28.9  | 5.8  |
| Clarke                            | 723.5          | 141.4                             | 288.3   | 190.4  | 103.4 | ...  |
| Conecuh                           | 458.5          | 66.4                              | 168.9   | 187.0  | 36.2  | ...  |
| Marengo                           | 402.4          | 6.1                               | 97.5    | 237.8  | 54.9  | 6.1  |
| Monroe                            | 527.3          | 52.2                              | 182.7   | 172.3  | 99.2  | 20.9 |
| Sumter                            | 401.6          | 37.6                              | 138.0   | 182.0  | 37.6  | 6.3  |
| Wilcox                            | 441.5          | 34.4                              | 131.9   | 172.0  | 97.5  | 5.7  |
| All counties                      | 3463.4         | 436.4                             | 1169.3  | 1355.3 | 457.6 | 44.8 |

Table 6—Area of timberland by county and stocking classes of growing-stock trees, Southwest-North Alabama Counties, 1990

| County                            | All<br>classes | Stocking class (percent) |         |        |         |        |
|-----------------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                                   |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
| ----- <i>Thousand acres</i> ----- |                |                          |         |        |         |        |
| Choctaw                           | 508.7          | 28.9                     | 132.9   | 300.6  | 46.2    | ...    |
| Clarke                            | 723.5          | 43.5                     | 195.8   | 408.0  | 70.7    | 5.4    |
| Conecuh                           | 458.5          | 24.1                     | 199.1   | 205.1  | 30.2    | ...    |
| Marengo                           | 402.4          | 30.5                     | 158.5   | 182.9  | 30.5    | ...    |
| Monroe                            | 527.3          | 20.9                     | 187.9   | 261.0  | 57.4    | ...    |
| Sumter                            | 401.6          | 6.3                      | 112.9   | 207.1  | 69.0    | 6.3    |
| Wilcox                            | 441.5          | 17.2                     | 189.2   | 206.4  | 28.7    | ...    |
| All counties                      | 3463.4         | 171.4                    | 1176.5  | 1771.1 | 332.7   | 11.7   |

Table 7—Area of timberland by forest type and ownership class, Southwest-North Alabama Counties, 1990

| Forest type <sup>1</sup> | All ownerships | National forest | Other public | Forest industry | Forest industry-leased | Other private |
|--------------------------|----------------|-----------------|--------------|-----------------|------------------------|---------------|
| -----Thousand acres----- |                |                 |              |                 |                        |               |
| Longleaf-slash pine      | 104.6          | ...             | ...          | 72.3            | 5.2                    | 27.1          |
| Loblolly-shortleaf pine  | 1378.5         | ...             | 11.2         | 498.9           | 74.3                   | 794.1         |
| Softwood total           | 1483.1         | ...             | 11.2         | 571.2           | 79.6                   | 821.2         |
| Oak-pine                 | 642.6          | ...             | 10.7         | 241.8           | 28.8                   | 361.4         |
| Oak-hickory              | 816.0          | ...             | 5.7          | 171.8           | 27.7                   | 610.7         |
| Oak-gum-cypress          | 515.4          | ...             | 17.2         | 141.1           | 44.1                   | 313.0         |
| Elm-ash-cottonwood       | 6.3            | ...             | ...          | 6.3             | ...                    | ...           |
| Hardwood total           | 1980.3         | ...             | 33.6         | 561.0           | 100.6                  | 1285.1        |
| All types                | 3463.4         | ...             | 44.8         | 1132.2          | 180.2                  | 2106.3        |

<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.

Table 8—Area of timberland by ownership class and stocking classes of growing-stock trees, Southwest-North Alabama Counties, 1990

| Ownership<br>class     | All<br>classes | Stocking class (percent) |         |        |         |        |
|------------------------|----------------|--------------------------|---------|--------|---------|--------|
|                        |                | > 130                    | 100-130 | 60-100 | 16.7-60 | < 16.7 |
|                        |                | -----Thousand acres----- |         |        |         |        |
| Other public           | 44.8           | 5.7                      | 16.4    | 12.0   | 10.7    | ...    |
| Forest industry        | 1132.2         | 62.4                     | 432.9   | 546.6  | 90.3    | ...    |
| Forest industry-leased | 180.2          | 17.6                     | 67.6    | 83.5   | 11.5    | ...    |
| Other private          | 2106.3         | 85.7                     | 659.7   | 1129.0 | 220.2   | 11.7   |
| All ownerships         | 3463.4         | 171.4                    | 1176.5  | 1771.1 | 332.7   | 11.7   |

Table 9—Area of timberland by forest type and stand-size class, Southwest-North Alabama Counties, 1990

| Forest type <sup>1</sup> | All classes | Stand-size class |            |                  |
|--------------------------|-------------|------------------|------------|------------------|
|                          |             | Sawtimber        | Poletimber | Sapling-seedling |
| Longleaf-slash pine      | 104.6       | 27.9             | 55.8       | 20.9             |
| Loblolly-shortleaf pine  | 1378.5      | 569.4            | 329.9      | 479.2            |
| Softwood total           | 1483.1      | 597.4            | 385.7      | 500.0            |
| Oak-pine                 | 642.6       | 243.5            | 126.7      | 272.5            |
| Oak-hickory              | 816.0       | 234.8            | 131.0      | 450.2            |
| Oak-gum-cypress          | 515.4       | 323.9            | 98.5       | 93.0             |
| Elm-ash-cottonwood       | 6.3         | 6.3              | ...        | ...              |
| Hardwood total           | 1980.3      | 808.4            | 356.2      | 815.7            |
| All types                | 3463.4      | 1405.8           | 741.9      | 1315.7           |

<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.

Table 10—Number of live trees on timberland by species and diameter class, Southwest-North Alabama Counties, 1990

| Species                    | All<br>classes | Diameter class (inches at breast height) |             |             |             |              |               |               |               |               |               |               |                  |
|----------------------------|----------------|------------------------------------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                            |                | 1.0-<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 |
| ----- Thousand trees ----- |                |                                          |             |             |             |              |               |               |               |               |               |               |                  |
| Longleaf-slash pines       | 47071          | 7295                                     | 16065       | 13092       | 6209        | 1841         | 1049          | 838           | 327           | 197           | 78            | 80            | ...              |
| Shortleaf-loblolly pines   | 531993         | 210527                                   | 132758      | 80259       | 50777       | 22578        | 14766         | 9566          | 5584          | 2796          | 1397          | 965           | 18               |
| Other yellow pines         | 13256          | 4612                                     | 2528        | 1151        | 1457        | 1034         | 821           | 519           | 345           | 366           | 184           | 239           | ...              |
| Cypress                    | 2822           | 977                                      | 499         | ...         | 187         | 147          | 176           | 200           | 90            | 222           | 134           | 165           | 25               |
| Other softwoods            | 26400          | 15336                                    | 6651        | 2224        | 1107        | 726          | 148           | 117           | 65            | ...           | 21            | 5             | ...              |
| Total softwoods            | 621541         | 238747                                   | 158501      | 96725       | 59737       | 26325        | 16961         | 11240         | 6411          | 3581          | 1815          | 1455          | 43               |
| Select white oaks          | 39799          | 24655                                    | 3697        | 4868        | 2578        | 1265         | 1033          | 624           | 407           | 263           | 165           | 213           | 30               |
| Select red oaks            | 9631           | 4508                                     | 1054        | 1545        | 225         | 601          | 543           | 284           | 233           | 296           | 69            | 209           | 64               |
| Other white oaks           | 34857          | 17452                                    | 7939        | 3856        | 2072        | 1328         | 975           | 579           | 254           | 125           | 90            | 138           | 49               |
| Other red oaks             | 374628         | 280250                                   | 53163       | 14707       | 10126       | 5777         | 3926          | 2636          | 1490          | 1001          | 616           | 813           | 122              |
| Hickory                    | 66249          | 51063                                    | 5712        | 3566        | 2006        | 1027         | 1090          | 810           | 387           | 274           | 148           | 149           | 16               |
| Hard maple                 | 8156           | 5252                                     | 2602        | ...         | 71          | 46           | 118           | 43            | 14            | ...           | ...           | 9             | ...              |
| Soft maple                 | 140406         | 107962                                   | 22771       | 5319        | 2673        | 997          | 372           | 172           | 46            | 36            | 10            | 43            | 4                |
| Beech                      | 15840          | 11992                                    | 1029        | 912         | 529         | 337          | 130           | 287           | 61            | 238           | 71            | 216           | 40               |
| Sweetgum                   | 473563         | 342094                                   | 77204       | 28472       | 13388       | 6435         | 2493          | 1632          | 930           | 368           | 346           | 188           | 12               |
| Tupelo-blackgum            | 89081          | 66002                                    | 8463        | 5447        | 3037        | 2423         | 1492          | 1219          | 518           | 284           | 79            | 106           | 12               |
| Ash                        | 32559          | 19242                                    | 7825        | 1878        | 1001        | 989          | 702           | 224           | 368           | 183           | 61            | 75            | 11               |
| Cottonwood-aspen           | 583            | 559                                      | ...         | ...         | ...         | ...          | ...           | 14            | ...           | ...           | 10            | ...           | ...              |
| Basswood                   | 6393           | 5514                                     | 479         | ...         | 110         | 64           | 138           | 21            | 34            | 24            | 9             | ...           | ...              |
| Yellow-poplar              | 42696          | 28952                                    | 6663        | 1876        | 1815        | 775          | 875           | 580           | 498           | 240           | 164           | 221           | 37               |
| Black walnut               | 608            | ...                                      | 526         | ...         | 63          | ...          | ...           | 20            | ...           | ...           | ...           | ...           | ...              |
| Other hardwoods            | 453334         | 346853                                   | 70676       | 20864       | 7167        | 3418         | 1829          | 1038          | 626           | 354           | 271           | 218           | 20               |
| Total hardwoods            | 1788382        | 1312351                                  | 269802      | 93310       | 46860       | 25483        | 15717         | 10169         | 5880          | 3684          | 2110          | 2598          | 418              |
| Noncommercial              | 261343         | 213021                                   | 33957       | 8046        | 4122        | 1438         | 532           | 155           | 63            | ...           | 10            | ...           | ...              |
| All species                | 2671267        | 1764119                                  | 462260      | 198082      | 110718      | 53246        | 33210         | 21563         | 12355         | 7265          | 3934          | 4053          | 461              |

Table 11 – *Number of growing-stock trees on timberland by species and diameter class, Southwest-North Alabama Counties, 1990*

| Species                    | All<br>classes | Diameter class (inches at breast height) |             |             |             |              |               |               |               |               |               |               |                  |
|----------------------------|----------------|------------------------------------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                            |                | 1.0-<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 |
| ----- Thousand trees ----- |                |                                          |             |             |             |              |               |               |               |               |               |               |                  |
| Longleaf-slash pines       | 45374          | 5859                                     | 16065       | 12860       | 6209        | 1841         | 1020          | 838           | 327           | 197           | 78            | 80            | ...              |
| Shortleaf-loblolly pines   | 496998         | 187973                                   | 125733      | 77420       | 49816       | 21839        | 14326         | 9384          | 5451          | 2721          | 1387          | 929           | 18               |
| Other yellow pines         | 9968           | 1955                                     | 1975        | 1151        | 1457        | 990          | 786           | 519           | 345           | 366           | 184           | 239           | ...              |
| Cypress                    | 2668           | 977                                      | 499         | ...         | 106         | 107          | 151           | 200           | 90            | 222           | 134           | 157           | 25               |
| Other softwoods            | 21040          | 11687                                    | 5593        | 1767        | 1107        | 603          | 148           | 92            | 32            | ...           | 10            | ...           | ...              |
| Total softwoods            | 576046         | 208452                                   | 149865      | 93198       | 58695       | 25380        | 16431         | 11033         | 6244          | 3506          | 1794          | 1405          | 43               |
| Select white oaks          | 27601          | 14922                                    | 2113        | 4280        | 2514        | 1231         | 921           | 601           | 393           | 252           | 165           | 189           | 21               |
| Select red oaks            | 8208           | 3357                                     | 1054        | 1418        | 166         | 601          | 513           | 284           | 233           | 258           | 69            | 200           | 53               |
| Other white oaks           | 21441          | 8761                                     | 4747        | 3245        | 1617        | 1237         | 731           | 536           | 222           | 96            | 79            | 129           | 39               |
| Other red oaks             | 281755         | 199728                                   | 46303       | 11853       | 9075        | 5294         | 3427          | 2464          | 1447          | 864           | 545           | 680           | 76               |
| Hickory                    | 43932          | 30633                                    | 4660        | 3105        | 1928        | 947          | 1005          | 748           | 374           | 274           | 129           | 121           | 8                |
| Hard maple                 | 3471           | 3194                                     | ...         | ...         | 71          | 46           | 118           | 18            | 14            | ...           | ...           | 9             | ...              |
| Soft maple                 | 89362          | 67441                                    | 14275       | 4663        | 1817        | 759          | 204           | 106           | 32            | 36            | 10            | 18            | ...              |
| Beech                      | 11213          | 8376                                     | 530         | 821         | 529         | 292          | 130           | 220           | 61            | 92            | 30            | 117           | 16               |
| Sweetgum                   | 339093         | 228769                                   | 61755       | 24444       | 12339       | 6306         | 2275          | 1545          | 852           | 330           | 315           | 151           | 12               |
| Tupelo-blackgum            | 49189          | 32188                                    | 5757        | 3177        | 2720        | 2205         | 1155          | 1115          | 420           | 261           | 79            | 101           | 12               |
| Ash                        | 19643          | 10421                                    | 4691        | 1351        | 899         | 989          | 530           | 224           | 276           | 157           | 52            | 49            | 4                |
| Cottonwood-aspen           | 569            | 559                                      | ...         | ...         | ...         | ...          | ...           | ...           | ...           | ...           | 10            | ...           | ...              |
| Basswood                   | 5846           | 4988                                     | 479         | ...         | 110         | 64           | 138           | ...           | 34            | 24            | 9             | ...           | ...              |
| Yellow-poplar              | 38354          | 25335                                    | 6184        | 1876        | 1689        | 741          | 875           | 580           | 498           | 180           | 164           | 202           | 29               |
| Black walnut               | 608            | ...                                      | 526         | ...         | 63          | ...          | ...           | 20            | ...           | ...           | ...           | ...           | ...              |
| Other hardwoods            | 285361         | 213035                                   | 46446       | 14065       | 5392        | 2831         | 1640          | 776           | 550           | 279           | 180           | 153           | 16               |
| Total hardwoods            | 1225649        | 851709                                   | 199520      | 74298       | 40929       | 23542        | 13662         | 9236          | 5407          | 3103          | 1836          | 2119          | 286              |
| All species                | 1801695        | 1060161                                  | 349385      | 167496      | 99624       | 48922        | 30092         | 20269         | 11652         | 6608          | 3630          | 3525          | 329              |

Table 12 – *Volume of growing stock on timberland by species and diameter class, Southwest-North Alabama Counties, 1990*

| Species                        | All classes | Diameter class (inches at breast height) |         |          |           |           |           |           |           |           |               |
|--------------------------------|-------------|------------------------------------------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                |             | 5.0-6.9                                  | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million cubic feet ----- |             |                                          |         |          |           |           |           |           |           |           |               |
| Longleaf-slash pines           | 190.6       | 36.3                                     | 36.2    | 25.7     | 24.7      | 26.2      | 15.3      | 11.0      | 5.9       | 9.3       | ...           |
| Shortleaf-loblolly pines       | 2047.2      | 187.0                                    | 308.4   | 290.4    | 316.3     | 317.1     | 252.8     | 164.3     | 109.9     | 96.3      | 4.6           |
| Other yellow pines             | 139.5       | 3.3                                      | 10.1    | 13.9     | 16.7      | 17.3      | 14.7      | 22.5      | 14.8      | 26.1      | ...           |
| Cypress                        | 56.5        | ...                                      | 0.5     | 1.2      | 3.1       | 5.8       | 3.3       | 11.3      | 9.1       | 15.2      | 7.0           |
| Other softwoods                | 19.4        | 3.7                                      | 5.5     | 5.6      | 1.8       | 1.7       | 0.9       | ...       | 0.3       | ...       | ...           |
| Total softwoods                | 2453.1      | 230.4                                    | 360.6   | 336.7    | 362.7     | 368.1     | 287.0     | 209.1     | 140.0     | 146.9     | 11.6          |
| Select white oaks              | 130.4       | 10.8                                     | 15.2    | 13.3     | 17.4      | 17.5      | 15.2      | 11.5      | 9.5       | 17.0      | 2.9           |
| Select red oaks                | 80.9        | 3.1                                      | 1.3     | 6.7      | 9.8       | 8.8       | 9.1       | 11.9      | 5.3       | 16.6      | 8.4           |
| Other white oaks               | 82.2        | 7.1                                      | 8.8     | 12.1     | 11.1      | 12.9      | 7.6       | 3.7       | 3.9       | 9.8       | 5.2           |
| Other red oaks                 | 457.1       | 30.9                                     | 54.6    | 60.7     | 61.4      | 64.6      | 49.9      | 39.9      | 31.5      | 53.1      | 10.5          |
| Hickory                        | 118.2       | 7.8                                      | 11.7    | 10.2     | 19.5      | 21.1      | 13.4      | 14.4      | 8.1       | 11.3      | 0.8           |
| Hard maple                     | 4.3         | ...                                      | 0.6     | 0.3      | 1.9       | 0.4       | 0.6       | ...       | ...       | 0.4       | ...           |
| Soft maple                     | 40.2        | 12.9                                     | 11.3    | 7.3      | 3.5       | 1.7       | 0.9       | 1.1       | 0.5       | 1.1       | ...           |
| Beech                          | 34.0        | 1.9                                      | 3.2     | 3.8      | 2.3       | 5.9       | 2.3       | 3.7       | 0.9       | 8.1       | 1.8           |
| Sweetgum                       | 410.6       | 60.8                                     | 78.3    | 81.7     | 48.8      | 49.0      | 37.1      | 17.4      | 20.8      | 14.7      | 1.9           |
| Tupelo-blackgum                | 133.8       | 8.4                                      | 17.0    | 24.3     | 21.1      | 27.4      | 13.5      | 10.3      | 3.5       | 6.9       | 1.2           |
| Ash                            | 58.9        | 3.6                                      | 5.4     | 10.9     | 10.0      | 5.6       | 9.4       | 7.3       | 2.8       | 3.3       | 0.5           |
| Cottonwood-aspen               | 0.5         | ...                                      | ...     | ...      | ...       | ...       | ...       | ...       | 0.5       | ...       | ...           |
| Basswood                       | 7.9         | ...                                      | 0.8     | 0.8      | 2.8       | ...       | 1.4       | 1.4       | 0.7       | ...       | ...           |
| Yellow-poplar                  | 128.2       | 4.6                                      | 11.9    | 9.6      | 19.5      | 18.4      | 19.9      | 9.5       | 11.4      | 19.3      | 4.0           |
| Black walnut                   | 0.8         | ...                                      | 0.3     | ...      | ...       | 0.5       | ...       | ...       | ...       | ...       | ...           |
| Other hardwoods                | 197.7       | 35.0                                     | 28.4    | 31.4     | 31.3      | 19.1      | 17.3      | 11.3      | 10.2      | 12.4      | 1.3           |
| Total hardwoods                | 1885.7      | 186.9                                    | 248.9   | 273.2    | 260.5     | 252.8     | 197.7     | 143.5     | 109.6     | 174.0     | 38.5          |
| All species                    | 4338.8      | 417.3                                    | 609.6   | 609.9    | 623.2     | 620.9     | 484.7     | 352.6     | 249.6     | 321.0     | 50.1          |

Table 13—*Volume of growing stock in the saw-log portion of sawtimber<sup>1</sup> trees on timberland by species and diameter class, Southwest-North Alabama Counties, 1990*

| Species                        | All<br>classes | Diameter class (inches at breast height) |               |               |               |               |               |               |                  |
|--------------------------------|----------------|------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                |                | 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 ----- |                |                                          |               |               |               |               |               |               |                  |
| Longleaf-slash pines           | 106.0          | 20.7                                     | 22.3          | 23.6          | 14.3          | 10.2          | 5.7           | 9.2           | ...              |
| Shortleaf-loblolly pines       | 1377.9         | 231.8                                    | 279.5         | 289.1         | 231.2         | 151.5         | 100.6         | 89.7          | 4.5              |
| Other yellow pines             | 112.4          | 11.3                                     | 14.6          | 16.0          | 12.9          | 20.8          | 13.2          | 23.5          | ...              |
| Cypress                        | 51.1           | 1.0                                      | 2.8           | 4.7           | 3.0           | 10.5          | 8.5           | 14.0          | 6.6              |
| Other softwoods                | 8.5            | 4.4                                      | 1.6           | 1.5           | 0.8           | ...           | 0.2           | ...           | ...              |
| Total softwoods                | 1655.8         | 269.1                                    | 320.7         | 334.8         | 262.3         | 193.0         | 128.3         | 136.5         | 11.2             |
| Select white oaks              | 76.7           | ...                                      | 13.5          | 15.0          | 13.0          | 9.8           | 8.0           | 14.9          | 2.5              |
| Select red oaks                | 59.2           | ...                                      | 7.0           | 7.4           | 7.7           | 10.5          | 4.6           | 14.3          | 7.7              |
| Other white oaks               | 46.0           | ...                                      | 8.5           | 10.8          | 6.7           | 3.4           | 3.6           | 8.5           | 4.7              |
| Other red oaks                 | 261.1          | ...                                      | 46.5          | 53.8          | 42.8          | 34.0          | 27.4          | 47.1          | 9.5              |
| Hickory                        | 73.6           | ...                                      | 14.7          | 17.5          | 11.5          | 12.7          | 6.8           | 9.6           | 0.8              |
| Hard maple                     | 2.5            | ...                                      | 1.5           | 0.4           | 0.4           | ...           | ...           | 0.3           | ...              |
| Soft maple                     | 6.7            | ...                                      | 2.4           | 1.4           | 0.7           | 1.0           | 0.4           | 0.9           | ...              |
| Beech                          | 22.4           | ...                                      | 1.7           | 5.3           | 2.0           | 3.5           | 0.8           | 7.4           | 1.7              |
| Sweetgum                       | 157.3          | ...                                      | 33.5          | 41.5          | 33.3          | 15.4          | 18.4          | 13.4          | 1.8              |
| Tupelo-blackgum                | 66.8           | ...                                      | 14.6          | 21.0          | 11.5          | 9.4           | 3.1           | 6.3           | 0.9              |
| Ash                            | 32.1           | ...                                      | 6.8           | 4.4           | 8.6           | 6.2           | 2.6           | 3.0           | 0.5              |
| Cottonwood-aspen               | 0.4            | ...                                      | ...           | ...           | ...           | ...           | 0.4           | ...           | ...              |
| Basswood                       | 4.9            | ...                                      | 2.2           | ...           | 0.9           | 1.1           | 0.7           | ...           | ...              |
| Yellow-poplar                  | 88.1           | ...                                      | 14.8          | 16.0          | 17.5          | 8.2           | 10.1          | 17.6          | 3.9              |
| Black walnut                   | 0.4            | ...                                      | ...           | 0.4           | ...           | ...           | ...           | ...           | ...              |
| Other hardwoods                | 84.4           | ...                                      | 23.2          | 15.4          | 14.8          | 9.7           | 8.9           | 11.4          | 1.1              |
| Total hardwoods                | 982.7          | ...                                      | 190.9         | 210.2         | 171.2         | 124.9         | 95.7          | 154.7         | 35.2             |
| All species                    | 2638.6         | 269.1                                    | 511.6         | 545.1         | 433.4         | 317.9         | 224.0         | 291.1         | 46.3             |

<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, Southwest-North Alabama Counties, 1990*

| Species                        | Diameter class (inches at breast height) |          |           |           |           |           |           |           |               |
|--------------------------------|------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                | All classes                              | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Million board feet ----- |                                          |          |           |           |           |           |           |           |               |
| Longleaf-slash pines           | 657.2                                    | 115.9    | 141.1     | 149.0     | 95.0      | 65.3      | 34.5      | 56.4      | ...           |
| Shortleaf-loblolly pines       | 8773.0                                   | 1266.8   | 1704.7    | 1890.0    | 1543.5    | 1027.7    | 696.6     | 615.6     | 28.1          |
| Other yellow pines             | 713.4                                    | 62.3     | 85.5      | 99.4      | 82.2      | 136.2     | 85.7      | 162.2     | ...           |
| Cypress                        | 288.6                                    | 4.5      | 15.6      | 24.9      | 16.0      | 59.8      | 48.1      | 84.3      | 35.3          |
| Other softwoods                | 42.3                                     | 21.4     | 7.8       | 7.7       | 4.2       | ...       | 1.1       | ...       | ...           |
| Total softwoods                | 10474.4                                  | 1470.9   | 1954.7    | 2171.0    | 1740.9    | 1289.0    | 866.0     | 918.5     | 63.5          |
| Select white oaks              | 475.4                                    | ...      | 75.1      | 87.9      | 81.0      | 62.8      | 52.0      | 98.2      | 18.3          |
| Select red oaks                | 362.2                                    | ...      | 38.0      | 45.2      | 46.3      | 65.1      | 30.6      | 88.3      | 48.7          |
| Other white oaks               | 265.7                                    | ...      | 45.6      | 60.7      | 39.3      | 18.7      | 19.8      | 52.2      | 29.4          |
| Other red oaks                 | 1548.7                                   | ...      | 258.4     | 312.1     | 255.5     | 207.5     | 171.6     | 284.6     | 59.1          |
| Hickory                        | 449.2                                    | ...      | 84.7      | 105.3     | 71.5      | 80.1      | 43.8      | 60.4      | 3.4           |
| Hard maple                     | 15.1                                     | ...      | 8.6       | 2.9       | 2.4       | ...       | ...       | 1.2       | ...           |
| Soft maple                     | 36.5                                     | ...      | 13.6      | 7.7       | 3.5       | 5.4       | 2.1       | 4.1       | ...           |
| Beech                          | 138.6                                    | ...      | 9.5       | 32.6      | 12.9      | 23.6      | 6.0       | 43.9      | 10.1          |
| Sweetgum                       | 950.0                                    | ...      | 190.7     | 251.7     | 206.4     | 93.3      | 115.8     | 82.0      | 10.0          |
| Tupelo-blackgum                | 351.4                                    | ...      | 76.6      | 111.2     | 59.4      | 50.4      | 15.9      | 32.8      | 5.0           |
| Ash                            | 178.6                                    | ...      | 37.3      | 25.1      | 48.5      | 37.1      | 14.4      | 13.8      | 2.4           |
| Cottonwood-aspen               | 2.6                                      | ...      | ...       | ...       | ...       | ...       | 2.6       | ...       | ...           |
| Basswood                       | 31.5                                     | ...      | 13.0      | ...       | 5.8       | 7.7       | 5.0       | ...       | ...           |
| Yellow-poplar                  | 538.4                                    | ...      | 87.9      | 97.5      | 107.4     | 50.8      | 65.2      | 110.9     | 18.7          |
| Black walnut                   | 2.3                                      | ...      | ...       | 2.3       | ...       | ...       | ...       | ...       | ...           |
| Other hardwoods                | 495.4                                    | ...      | 130.1     | 90.0      | 86.3      | 58.8      | 56.0      | 68.5      | 5.7           |
| Total hardwoods                | 5841.7                                   | ...      | 1069.3    | 1232.2    | 1026.2    | 761.4     | 600.9     | 940.9     | 210.8         |
| All species                    | 16316.1                                  | 1470.9   | 3023.9    | 3403.2    | 2767.1    | 2050.4    | 1466.9    | 1859.3    | 274.3         |

Table 15—*Volume of growing stock and sawtimber on timberland by county and species group, Southwest-North Alabama Counties, 1990*

| County                         | Growing stock |          |         |         |          |                   | Sawtimber                      |                   |        |         |          |        |                   |                   |
|--------------------------------|---------------|----------|---------|---------|----------|-------------------|--------------------------------|-------------------|--------|---------|----------|--------|-------------------|-------------------|
|                                | All species   | Softwood |         |         | Hardwood |                   | All species                    | Softwood          |        |         | Hardwood |        |                   |                   |
|                                |               | Pine     | Planted | Natural | Other    | Soft <sup>1</sup> |                                | Hard <sup>2</sup> | Pine   | Planted | Natural  | Other  | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |               |          |         |         |          |                   |                                |                   |        |         |          |        |                   |                   |
| ----- Million cubic feet ----- |               |          |         |         |          |                   | ----- Million board feet ----- |                   |        |         |          |        |                   |                   |
| Choctaw                        | 697.2         | 99.6     | 308.1   | 11.5    | 147.9    | 130.2             | 2659.0                         | 240.7             | 1518.5 | 52.4    | 370.1    | 477.3  |                   |                   |
| Clarke                         | 1062.3        | 88.0     | 496.2   | 33.3    | 235.9    | 208.9             | 4137.0                         | 181.4             | 2447.6 | 168.9   | 649.2    | 689.8  |                   |                   |
| Conecuh                        | 466.4         | 91.3     | 171.8   | 1.1     | 98.6     | 103.7             | 1567.0                         | 118.2             | 827.3  | 4.6     | 293.0    | 323.8  |                   |                   |
| Marengo                        | 420.0         | 54.8     | 152.5   | 9.3     | 92.1     | 111.2             | 1427.0                         | 129.6             | 609.7  | 32.2    | 270.5    | 385.0  |                   |                   |
| Monroe                         | 657.1         | 131.4    | 233.5   | 9.9     | 131.6    | 150.8             | 2549.3                         | 417.6             | 1128.5 | 49.4    | 401.0    | 552.8  |                   |                   |
| Sumter                         | 493.2         | 43.8     | 180.1   | 8.7     | 108.6    | 151.9             | 1968.1                         | 170.7             | 932.8  | 17.4    | 275.6    | 571.6  |                   |                   |
| Wilcox                         | 542.6         | 102.0    | 224.1   | 2.2     | 81.7     | 132.7             | 2008.9                         | 315.6             | 1105.4 | 5.9     | 137.5    | 444.5  |                   |                   |
| All counties                   | 4338.8        | 611.0    | 1766.2  | 75.9    | 896.3    | 989.4             | 16316.1                        | 1573.7            | 8569.9 | 330.8   | 2396.9   | 3444.8 |                   |                   |

<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 16—*Volume of timber on timberland by class of timber and species group, Southwest- North Alabama Counties, 1990*

| 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                | 2638.6      | 266.5    | 1329.8  | 59.6  | 407.2             | 575.6             |
| Upper-stem portion             | 400.2       | 45.3     | 154.2   | 6.7   | 85.5              | 108.4             |
| Total                          | 3038.8      | 311.8    | 1484.1  | 66.2  | 492.7             | 684.0             |
| Poletimber trees               | 1300.0      | 299.2    | 282.2   | 9.7   | 403.6             | 305.4             |
| All growing-stock trees        | 4338.8      | 611.0    | 1766.2  | 75.9  | 896.3             | 989.4             |
| Rough trees:                   |             |          |         |       |                   |                   |
| Sawtimber size                 | 97.1        | 4.5      | 20.4    | 3.2   | 21.8              | 47.2              |
| Poletimber size                | 116.6       | 4.9      | 5.0     | 0.6   | 29.5              | 76.7              |
| Total                          | 213.7       | 9.4      | 25.4    | 3.8   | 51.3              | 123.9             |
| Rotten trees:                  |             |          |         |       |                   |                   |
| Sawtimber size                 | 48.7        | ...      | 1.3     | ...   | 18.0              | 29.4              |
| Poletimber size                | 6.3         | ...      | ...     | 0.3   | 4.2               | 1.8               |
| Total                          | 55.1        | ...      | 1.3     | 0.3   | 22.2              | 31.2              |
| Salvable dead trees:           |             |          |         |       |                   |                   |
| Sawtimber size                 | 4.3         | 0.4      | 3.5     | ...   | ...               | 0.4               |
| Poletimber size                | 4.9         | 0.8      | 3.0     | 0.2   | ...               | 0.8               |
| Total                          | 9.2         | 1.3      | 6.5     | 0.2   | ...               | 1.2               |
| All classes                    | 4616.8      | 621.6    | 1799.5  | 80.2  | 969.8             | 1145.7            |

<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, Southwest-North Alabama Counties, 1990

| Ownership class                | Live trees  |          |         |       |                   |                   | Growing stock |          |         |       |                   |                   |
|--------------------------------|-------------|----------|---------|-------|-------------------|-------------------|---------------|----------|---------|-------|-------------------|-------------------|
|                                | All species | Softwood |         |       | Hardwood          |                   | All species   | Softwood |         |       | Hardwood          |                   |
|                                |             | Pine     |         |       | Soft <sup>1</sup> | Hard <sup>2</sup> |               | Pine     |         |       | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             | Planted  | Natural | Other |                   |                   |               | Planted  | Natural | Other |                   |                   |
| ----- Million cubic feet ----- |             |          |         |       |                   |                   |               |          |         |       |                   |                   |
| Other public                   | 115.8       | 5.3      | 46.1    | ...   | 16.4              | 48.0              | 109.3         | 5.3      | 45.4    | ...   | 14.3              | 44.4              |
| Forest industry                | 1558.4      | 284.1    | 665.9   | 14.8  | 270.8             | 322.8             | 1480.5        | 279.7    | 660.3   | 14.0  | 250.0             | 276.5             |
| Forest industry-leased         | 259.6       | 44.8     | 91.1    | 2.7   | 58.2              | 62.7              | 243.2         | 44.8     | 91.1    | 2.7   | 54.4              | 50.1              |
| Other private                  | 2673.8      | 286.1    | 989.8   | 62.5  | 624.4             | 710.9             | 2505.8        | 281.1    | 969.4   | 59.3  | 577.6             | 618.5             |
| All ownerships                 | 4607.6      | 620.4    | 1793.0  | 80.0  | 969.8             | 1144.5            | 4338.8        | 611.0    | 1766.2  | 75.9  | 896.3             | 989.4             |

<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 18—Average net annual growth of growing stock and sawtimber on timberland by county and species group, Southwest-North Alabama Counties, 1990

| County                         | Growing stock |          |         |         |          |                   | Sawtimber   |                   |       |         |          |       |                   |                   |
|--------------------------------|---------------|----------|---------|---------|----------|-------------------|-------------|-------------------|-------|---------|----------|-------|-------------------|-------------------|
|                                | All species   | Softwood |         |         | Hardwood |                   | All species | Softwood          |       |         | Hardwood |       |                   |                   |
|                                |               | Pine     | Planted | Natural | Other    | Soft <sup>1</sup> |             | Hard <sup>2</sup> | Pine  | Planted | Natural  | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |               |          |         |         |          |                   |             |                   |       |         |          |       |                   |                   |
| ----- Million cubic feet ----- |               |          |         |         |          |                   |             |                   |       |         |          |       |                   |                   |
| Choctaw                        | 39.1          | 11.4     | 14.5    | 0.2     | 6.6      | 6.4               | 142.9       | 20.1              | 79.5  | 0.9     | 16.4     | 25.9  |                   |                   |
| Clarke                         | 49.4          | 8.1      | 20.0    | 0.5     | 11.2     | 9.6               | 211.6       | 22.0              | 108.3 | 3.6     | 37.7     | 40.0  |                   |                   |
| Conecuh                        | 25.9          | 6.3      | 11.9    | ...     | 3.0      | 4.8               | 84.0        | 6.0               | 57.6  | ...     | 5.9      | 14.4  |                   |                   |
| Marengo                        | 26.4          | 4.9      | 11.4    | 0.5     | 4.0      | 5.7               | 124.2       | 18.7              | 64.5  | 1.5     | 17.1     | 22.4  |                   |                   |
| Monroe                         | 38.7          | 10.6     | 12.6    | 0.6     | 5.9      | 9.0               | 156.1       | 29.5              | 70.0  | 2.8     | 21.6     | 32.2  |                   |                   |
| Sumter                         | 24.4          | 2.0      | 9.2     | 0.5     | 3.6      | 9.1               | 107.3       | 0.9               | 58.4  | 1.1     | 10.0     | 36.9  |                   |                   |
| Wilcox                         | 35.4          | 7.8      | 15.6    | ...     | 5.6      | 6.5               | 141.6       | 21.4              | 85.1  | 0.4     | 13.3     | 21.4  |                   |                   |
| All counties                   | 239.4         | 51.0     | 95.2    | 2.3     | 39.9     | 51.0              | 967.6       | 118.6             | 523.4 | 10.3    | 121.9    | 193.4 |                   |                   |

<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 19—Average annual removals of growing stock and sawtimber on timberland by county and species group, Southwest-North Alabama Counties, 1990

| County       | Growing stock |                                |         |       |                   |                   | Sawtimber                      |          |         |       |                   |                   |
|--------------|---------------|--------------------------------|---------|-------|-------------------|-------------------|--------------------------------|----------|---------|-------|-------------------|-------------------|
|              | All species   | Softwood                       |         |       | Hardwood          |                   | All species                    | Softwood |         |       | Hardwood          |                   |
|              |               | Pine                           |         |       | Soft <sup>1</sup> | Hard <sup>2</sup> |                                | Pine     |         |       | Soft <sup>1</sup> | Hard <sup>2</sup> |
|              |               | Planted                        | Natural | Other |                   |                   |                                | Planted  | Natural | Other |                   |                   |
|              |               | ----- Million cubic feet ----- |         |       |                   |                   | ----- Million board feet ----- |          |         |       |                   |                   |
| Choctaw      | 30.8          | 0.5                            | 19.3    | ...   | 5.5               | 5.6               | 118.7                          | 0.8      | 88.1    | ...   | 12.6              | 17.1              |
| Clarke       | 36.1          | 1.3                            | 19.8    | 0.1   | 6.5               | 8.4               | 150.7                          | 4.5      | 93.8    | 0.6   | 22.4              | 29.4              |
| Conecuh      | 14.9          | ...                            | 5.3     | ...   | 5.1               | 4.6               | 47.3                           | ...      | 26.4    | ...   | 6.4               | 14.5              |
| Marengo      | 33.1          | 1.2                            | 21.5    | 0.3   | 3.1               | 7.0               | 137.1                          | 6.4      | 95.1    | 1.7   | 7.5               | 26.4              |
| Monroe       | 31.7          | 5.1                            | 13.9    | ...   | 4.1               | 8.5               | 110.0                          | 6.9      | 64.9    | ...   | 10.9              | 27.2              |
| Sumter       | 23.6          | 2.2                            | 13.0    | ...   | 3.6               | 4.9               | 95.8                           | 9.4      | 63.0    | ...   | 8.8               | 14.5              |
| Wilcox       | 38.4          | 1.7                            | 20.8    | ...   | 6.4               | 9.5               | 163.6                          | 9.5      | 96.3    | ...   | 20.9              | 36.9              |
| All counties | 208.7         | 11.9                           | 113.5   | 0.5   | 34.3              | 48.4              | 823.2                          | 37.6     | 527.6   | 2.3   | 89.6              | 166.1             |

<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 20—Average net annual growth and average annual removals of growing stock on timberland by species, Southwest-North Alabama Counties, 1990

| Species                        | Growth | Removals |
|--------------------------------|--------|----------|
| ----- Million cubic feet ----- |        |          |
| Yellow pines                   | 146.3  | 125.4    |
| Other softwoods                | 2.3    | 0.5      |
| Total softwoods                | 148.5  | 125.9    |
| Select white-red oaks          | 8.3    | 7.4      |
| Other white-red oaks           | 33.5   | 30.3     |
| Hickory                        | 4.2    | 4.5      |
| Hard maple                     | 0.2    | 0.4      |
| Sweetgum                       | 17.0   | 18.1     |
| Ash-walnut-black cherry        | 2.2    | 2.5      |
| Yellow-poplar                  | 5.8    | 4.0      |
| Other hardwoods                | 19.6   | 15.6     |
| Total hardwoods                | 90.8   | 82.7     |
| All species                    | 239.4  | 208.7    |

Table 21—Average net annual growth and average annual removals of sawtimber on timberland by species, Southwest-North Alabama Counties, 1990

| Species                        | Growth | Removals |
|--------------------------------|--------|----------|
| ----- Million board feet ----- |        |          |
| Yellow pines                   | 642.0  | 565.2    |
| Other softwoods                | 10.3   | 2.3      |
| Total softwoods                | 652.2  | 567.5    |
| Select white-red oaks          | 35.8   | 26.4     |
| Other white-red oaks           | 122.0  | 103.3    |
| Hickory                        | 19.9   | 14.4     |
| Hard maple                     | 0.6    | 1.8      |
| Sweetgum                       | 45.1   | 39.3     |
| Ash-walnut-black cherry        | 7.7    | 9.9      |
| Yellow-poplar                  | 24.1   | 16.3     |
| Other hardwoods                | 60.2   | 44.2     |
| Total hardwoods                | 315.4  | 255.7    |
| All species                    | 967.6  | 823.2    |

Table 22—Average annual mortality of growing stock and sawtimber on timberland by species, Southwest-North Alabama Counties, 1990

| Species                                           | Growing stock | Sawtimber |
|---------------------------------------------------|---------------|-----------|
| --- Million cubic feet --- Million board feet --- |               |           |
| Yellow pines                                      | 14.3          | 36.4      |
| Other softwoods                                   | 0.2           | 0.2       |
| Total softwoods                                   | 14.5          | 36.6      |
| Select white-red oaks                             | 0.7           | 3.6       |
| Other white-red oaks                              | 2.7           | 5.0       |
| Hickory                                           | 0.9           | 2.6       |
| Hard maple                                        | 0.1           | ...       |
| Sweetgum                                          | 3.1           | 5.9       |
| Ash-walnut-black cherry                           | 1.5           | 2.9       |
| Yellow-poplar                                     | 0.5           | 3.1       |
| Other hardwoods                                   | 4.1           | 7.5       |
| Total hardwoods                                   | 13.6          | 30.7      |
| All species                                       | 28.1          | 67.3      |

Table 23—Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Southwest-North Alabama Counties, 1990

| Ownership class                | Growth      |          |         |     |          |                   | Removals    |                   |         |         |          |       |                   |                   |
|--------------------------------|-------------|----------|---------|-----|----------|-------------------|-------------|-------------------|---------|---------|----------|-------|-------------------|-------------------|
|                                | All species | Softwood |         |     | Hardwood |                   | All species | Softwood          |         |         | Hardwood |       |                   |                   |
|                                |             | Planted  | Pine    |     | Other    | Soft <sup>1</sup> |             | Hard <sup>2</sup> | Planted | Pine    |          | Other | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                                |             |          | Natural |     |          |                   |             |                   |         | Natural |          |       |                   |                   |
| ----- Million cubic feet ----- |             |          |         |     |          |                   |             |                   |         |         |          |       |                   |                   |
| Other public                   | 3.8         | 1.1      | ...     | ... | 0.5      | 2.1               | 1.4         | ...               | 1.3     | ...     | 0.1      | ...   |                   |                   |
| Forest industry                | 82.4        | 26.9     | 30.1    | ... | 11.4     | 14.1              | 71.5        | 7.2               | 38.5    | ...     | 11.7     | 14.1  |                   |                   |
| Forest industry-leased         | 16.8        | 5.3      | 5.5     | 0.1 | 2.4      | 3.6               | 10.2        | 1.0               | 5.1     | ...     | 0.1      | 4.0   |                   |                   |
| Other private                  | 136.4       | 17.8     | 59.6    | 2.2 | 25.6     | 31.2              | 125.6       | 3.7               | 68.6    | 0.5     | 22.4     | 30.4  |                   |                   |
| All ownerships                 | 239.4       | 51.0     | 95.2    | 2.3 | 39.9     | 51.0              | 208.7       | 11.9              | 113.5   | 0.5     | 34.3     | 48.4  |                   |                   |

<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, Southwest-North Alabama Counties, 1990

| Ownership class        | Growth      |          |                                |       |                   |                   | Removals    |          |         |       |                   |                   |
|------------------------|-------------|----------|--------------------------------|-------|-------------------|-------------------|-------------|----------|---------|-------|-------------------|-------------------|
|                        | All species | Softwood |                                |       | Hardwood          |                   | All species | Softwood |         |       | Hardwood          |                   |
|                        |             | Planted  | Pine                           |       | Soft <sup>1</sup> | Hard <sup>2</sup> |             | Planted  | Pine    |       | Soft <sup>1</sup> | Hard <sup>2</sup> |
|                        |             |          | Natural                        | Other |                   |                   |             |          | Natural | Other |                   |                   |
|                        |             |          | ----- Million board feet ----- |       |                   |                   |             |          |         |       |                   |                   |
| Other public           | 16.6        | 0.3      | 4.8                            | ...   | 2.6               | 9.0               | 7.8         | ...      | 7.6     | ...   | 0.3               | ...               |
| Forest industry        | 319.6       | 53.3     | 174.0                          | 0.1   | 39.4              | 52.8              | 277.4       | 25.3     | 172.4   | ...   | 32.8              | 46.9              |
| Forest industry-leased | 67.0        | 12.2     | 31.4                           | 0.3   | 9.4               | 13.6              | 44.0        | ...      | 25.2    | ...   | 0.5               | 18.3              |
| Other private          | 564.4       | 52.7     | 313.2                          | 9.9   | 70.6              | 118.0             | 493.9       | 12.3     | 322.5   | 2.3   | 56.0              | 100.8             |
| All ownerships         | 967.6       | 118.6    | 523.4                          | 10.3  | 121.9             | 193.4             | 823.2       | 37.6     | 527.6   | 2.3   | 89.6              | 166.1             |

<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 25—Volume of sawtimber on timberland by species and tree grade, Southwest-North Alabama Counties, 1990

| Species                        | All grades | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 |
|--------------------------------|------------|---------|---------|---------|---------|---------|
| ----- Million board feet ----- |            |         |         |         |         |         |
| Yellow pines                   | 10143.6    | 2548.5  | 2261.5  | 5082.9  | ...     | 250.7   |
| Cypress                        | 288.6      | 135.4   | 62.4    | 76.2    | ...     | 14.5    |
| Redcedar                       | 42.3       | 42.3    | ...     | ...     | ...     | ...     |
| Total softwoods                | 10474.4    | 2726.2  | 2323.9  | 5159.1  | ...     | 265.2   |
| Select white-red oaks          | 837.5      | 148.1   | 209.1   | 270.0   | 156.1   | 54.3    |
| Other white-red oaks           | 1814.4     | 89.4    | 271.4   | 519.9   | 785.7   | 148.0   |
| Hickory                        | 449.2      | 45.2    | 79.8    | 163.5   | 119.2   | 41.6    |
| Hard maple                     | 15.1       | ...     | ...     | 6.8     | 7.1     | 1.2     |
| Sweetgum                       | 950.0      | 87.3    | 310.8   | 306.7   | 168.6   | 76.5    |
| Tupelo and blackgum            | 351.4      | 41.6    | 135.5   | 142.8   | 11.8    | 19.8    |
| Ash-walnut-black cherry        | 185.6      | 16.7    | 36.1    | 87.2    | 11.2    | 34.4    |
| Yellow-poplar                  | 538.4      | 88.6    | 89.9    | 158.5   | 155.1   | 46.4    |
| Other hardwoods                | 699.9      | 42.5    | 84.9    | 261.6   | 233.7   | 77.1    |
| Total hardwoods                | 5841.7     | 559.5   | 1217.7  | 1916.9  | 1648.4  | 499.3   |
| All species                    | 16316.1    | 3285.6  | 3541.5  | 7076.0  | 1648.4  | 764.5   |

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Table 26—Area of timberland by stand age, forest type group and stand origin, Southwest-North Alabama Counties, 1990

| Stand age class          | Pine       |         | Oak-pine   |         | Other hardwood types |         |
|--------------------------|------------|---------|------------|---------|----------------------|---------|
|                          | Artificial | Natural | Artificial | Natural | Artificial           | Natural |
| -----Thousand acres----- |            |         |            |         |                      |         |
| 1-10                     | 373.1      | 41.8    | 62.4       | 11.0    | 11.8                 | 63.5    |
| 11-20                    | 210.5      | 22.5    | 17.7       | 6.0     | 5.4                  | 5.4     |
| 21-30                    | 72.8       | 10.7    | 11.0       | 12.2    | 5.4                  | 5.2     |
| 31-40                    | 16.5       | 5.8     | ...        | ...     | ...                  | ...     |
| 41-50                    | ...        | 22.1    | ...        | 5.2     | ...                  | ...     |
| > 50                     | 6.3        | 17.2    | 5.8        | ...     | ...                  | ...     |
| Mixed                    | 63.2       | 620.8   | 27.9       | 483.4   | 17.5                 | 1223.3  |
| Total                    | 742.3      | 740.8   | 124.8      | 517.8   | 40.2                 | 1297.5  |

Table 27—Volume of softwood growing stock on timberland by county and forest type group, Southwest-North Alabama Counties, 1990

| County       | Total  | Forest type group            |         |                            |         |              |                 |                     |
|--------------|--------|------------------------------|---------|----------------------------|---------|--------------|-----------------|---------------------|
|              |        | Longleaf-slash<br>pine       |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress |
|              |        | Planted                      | Natural | Planted                    | Natural |              |                 |                     |
|              |        | -----Million cubic feet----- |         |                            |         |              |                 |                     |
| Choctaw      | 419.2  | ...                          | ...     | 94.7                       | 194.5   | 78.4         | 27.1            | 24.5                |
| Clarke       | 617.5  | 11.8                         | 8.1     | 71.3                       | 315.3   | 149.9        | 28.7            | 32.4                |
| Conecuh      | 264.1  | 17.1                         | 30.9    | 70.2                       | 70.0    | 40.7         | 26.7            | 8.6                 |
| Marengo      | 216.6  | ...                          | ...     | 54.8                       | 89.2    | 46.9         | 20.4            | 5.3                 |
| Monroe       | 374.7  | 35.9                         | 16.6    | 83.6                       | 112.9   | 77.8         | 35.8            | 12.1                |
| Sumter       | 232.7  | ...                          | ...     | 41.5                       | 131.7   | 42.0         | 15.5            | 1.9                 |
| Wilcox       | 328.2  | ...                          | 4.8     | 89.5                       | 130.2   | 70.3         | 23.5            | 9.9                 |
| All counties | 2453.1 | 64.8                         | 60.4    | 505.6                      | 1043.8  | 506.0        | 177.7           | 94.7                |

Table 28—Volume of hardwood growing stock on timberland by county and forest type group, Southwest-North Alabama Counties, 1990

| County                       | Total  | Forest type group      |         |                            |         |              |                 |                     |                        |
|------------------------------|--------|------------------------|---------|----------------------------|---------|--------------|-----------------|---------------------|------------------------|
|                              |        | Longleaf-slash<br>pine |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood |
|                              |        | Planted                | Natural | Planted                    | Natural |              |                 |                     |                        |
|                              |        |                        |         |                            |         |              |                 |                     |                        |
| -----Million cubic feet----- |        |                        |         |                            |         |              |                 |                     |                        |
| Choctaw                      | 278.1  | ...                    | ...     | 8.9                        | 37.4    | 47.2         | 80.5            | 104.1               | ...                    |
| Clarke                       | 444.8  | 0.2                    | 0.9     | 4.8                        | 60.2    | 93.9         | 68.5            | 216.2               | ...                    |
| Conecuh                      | 202.3  | ...                    | 9.3     | 9.1                        | 14.7    | 21.4         | 71.6            | 76.2                | ...                    |
| Marengo                      | 203.4  | ...                    | ...     | 7.4                        | 12.4    | 20.8         | 73.5            | 89.2                | ...                    |
| Monroe                       | 282.3  | 0.2                    | 2.7     | 9.6                        | 16.7    | 54.8         | 107.7           | 90.7                | ...                    |
| Sumter                       | 260.5  | ...                    | ...     | 13.0                       | 24.5    | 35.0         | 83.5            | 97.0                | 7.5                    |
| Wilcox                       | 214.4  | ...                    | 0.5     | 10.5                       | 26.7    | 41.9         | 65.3            | 69.4                | ...                    |
| All counties                 | 1885.7 | 0.4                    | 13.3    | 63.3                       | 192.7   | 315.1        | 550.5           | 742.9               | 7.5                    |

Table 29—*Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type group, Southwest-North Alabama Counties, 1990*

| County                         | Total  | Forest type group      |         |                            |         |              |                 |                     |
|--------------------------------|--------|------------------------|---------|----------------------------|---------|--------------|-----------------|---------------------|
|                                |        | Longleaf-slash<br>pine |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress |
|                                |        | Planted                | Natural | Planted                    | Natural |              |                 |                     |
| ----- Million cubic feet ----- |        |                        |         |                            |         |              |                 |                     |
| Choctaw                        | 279.2  | ...                    | ...     | 36.6                       | 134.6   | 63.2         | 22.9            | 21.9                |
| Clarke                         | 439.5  | 2.0                    | 5.5     | 28.9                       | 236.7   | 116.0        | 20.9            | 29.5                |
| Conecuh                        | 150.5  | 1.0                    | 19.7    | 20.6                       | 52.0    | 27.8         | 22.0            | 7.3                 |
| Marengo                        | 130.4  | ...                    | ...     | 27.0                       | 54.0    | 32.7         | 12.2            | 4.4                 |
| Monroe                         | 255.6  | 12.9                   | 11.7    | 52.0                       | 81.1    | 59.2         | 28.5            | 10.3                |
| Sumter                         | 170.1  | ...                    | ...     | 25.0                       | 99.0    | 31.7         | 12.7            | 1.6                 |
| Wilcox                         | 230.6  | ...                    | 1.2     | 44.6                       | 104.4   | 51.0         | 20.3            | 9.2                 |
| All counties                   | 1655.8 | 15.9                   | 38.1    | 234.7                      | 761.9   | 381.5        | 139.5           | 84.2                |

Table 30—*Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type group, Southwest-North Alabama Counties, 1990*

| County                         | Total | Forest type group      |         |                            |         |              |                 |                     |                        |
|--------------------------------|-------|------------------------|---------|----------------------------|---------|--------------|-----------------|---------------------|------------------------|
|                                |       | Longleaf-slash<br>pine |         | Loblolly-shortleaf<br>pine |         | Oak-<br>pine | Oak-<br>hickory | Oak-gum-<br>cypress | Elm-ash-<br>cottonwood |
|                                |       | Planted                | Natural | Planted                    | Natural |              |                 |                     |                        |
| ----- Million cubic feet ----- |       |                        |         |                            |         |              |                 |                     |                        |
| Choctaw                        | 137.1 | ...                    | ...     | 2.3                        | 13.3    | 23.3         | 48.2            | 50.0                | ...                    |
| Clarke                         | 233.2 | ...                    | 0.3     | 1.6                        | 23.0    | 40.7         | 28.5            | 139.1               | ...                    |
| Conecuh                        | 105.4 | ...                    | 5.8     | 2.3                        | 10.2    | 6.5          | 39.4            | 41.2                | ...                    |
| Marengo                        | 110.1 | ...                    | ...     | 2.3                        | 5.0     | 9.3          | 34.7            | 58.8                | ...                    |
| Monroe                         | 159.6 | ...                    | 0.9     | 4.6                        | 6.6     | 28.9         | 62.1            | 56.5                | ...                    |
| Sumter                         | 139.6 | ...                    | ...     | 6.0                        | 7.9     | 19.1         | 47.6            | 52.8                | 6.2                    |
| Wilcox                         | 97.8  | ...                    | ...     | 3.2                        | 10.4    | 12.8         | 33.9            | 37.5                | ...                    |
| All counties                   | 982.7 | ...                    | 7.0     | 22.3                       | 76.4    | 140.5        | 294.5           | 435.9               | 6.2                    |

Table 31—*Volume of timber on timberland by county, class of timber and species group, Southwest-North Alabama Counties, 1990*

| County                         | All<br>classes | Growing stock |          | Rough    |          | Rotten   |          |
|--------------------------------|----------------|---------------|----------|----------|----------|----------|----------|
|                                |                | Softwood      | Hardwood | Softwood | Hardwood | Softwood | Hardwood |
| ----- Million cubic feet ----- |                |               |          |          |          |          |          |
| Choctaw                        | 753.7          | 419.2         | 278.1    | 13.6     | 32.4     | 0.3      | 10.1     |
| Clarke                         | 1119.9         | 617.5         | 444.8    | 7.0      | 43.9     | ...      | 6.7      |
| Conecuh                        | 494.4          | 264.1         | 202.3    | 3.1      | 18.7     | 0.6      | 5.6      |
| Marengo                        | 446.7          | 216.6         | 203.4    | 4.0      | 17.5     | 0.7      | 4.6      |
| Monroe                         | 701.4          | 374.7         | 282.3    | 1.4      | 29.4     | ...      | 13.5     |
| Sumter                         | 525.5          | 232.7         | 260.5    | 7.2      | 20.2     | ...      | 4.9      |
| Wilcox                         | 566.1          | 328.2         | 214.4    | 2.4      | 13.1     | ...      | 8.0      |
| All counties                   | 4607.6         | 2453.1        | 1885.7   | 38.6     | 175.2    | 1.6      | 53.4     |

Table 32 – Number of live trees on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990

| Species                    | All<br>classes | Diameter class (inches at breast height) |             |             |             |              |               |               |               |               |               |               |                  |
|----------------------------|----------------|------------------------------------------|-------------|-------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                            |                | 1.0-<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 |
| ----- Thousand trees ----- |                |                                          |             |             |             |              |               |               |               |               |               |               |                  |
| Longleaf pine              | 12137          | 2488                                     | 3351        | 2367        | 1050        | 1228         | 762           | 565           | 201           | 107           | 10            | 8             | ...              |
| Slash pine                 | 34934          | 4807                                     | 12715       | 10725       | 5159        | 613          | 288           | 273           | 126           | 90            | 68            | 72            | ...              |
| Shortleaf pine             | 39131          | 6604                                     | 6255        | 7648        | 6089        | 4148         | 4055          | 2933          | 770           | 417           | 179           | 33            | ...              |
| Loblolly pine              | 492862         | 203924                                   | 126502      | 72611       | 44688       | 18430        | 10711         | 6633          | 4815          | 2380          | 1219          | 932           | 18               |
| Virginia pine              | 593            | 499                                      | ...         | ...         | 51          | 44           | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Spruce pine                | 12645          | 4113                                     | 2528        | 1151        | 1407        | 990          | 821           | 519           | 327           | 366           | 184           | 239           | ...              |
| Other s. pines             | 18             | ...                                      | ...         | ...         | ...         | ...          | ...           | ...           | 18            | ...           | ...           | ...           | ...              |
| Redcedar                   | 26400          | 15336                                    | 6651        | 2224        | 1107        | 726          | 148           | 117           | 65            | ...           | 21            | 5             | ...              |
| Cypress                    | 2822           | 977                                      | 499         | ...         | 187         | 147          | 176           | 200           | 90            | 222           | 134           | 165           | 25               |
| Total softwoods            | 621541         | 238747                                   | 158501      | 96725       | 59737       | 26325        | 16961         | 11240         | 6411          | 3581          | 1815          | 1455          | 43               |
| Select white oaks          | 39799          | 24655                                    | 3697        | 4868        | 2578        | 1265         | 1033          | 624           | 407           | 263           | 165           | 213           | 30               |
| Select red oaks            | 9631           | 4508                                     | 1054        | 1545        | 225         | 601          | 543           | 284           | 233           | 296           | 69            | 209           | 64               |
| Other white oaks           | 34857          | 17452                                    | 7939        | 3856        | 2072        | 1328         | 975           | 579           | 254           | 125           | 90            | 138           | 49               |
| Other red oaks             | 374628         | 280250                                   | 53163       | 14707       | 10126       | 5777         | 3926          | 2636          | 1490          | 1001          | 616           | 813           | 122              |
| Sweet pecan                | 590            | ...                                      | 553         | ...         | ...         | 37           | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Water hickory              | 2063           | 998                                      | 499         | 392         | 57          | ...          | 22            | 58            | 14            | ...           | 9             | 15            | ...              |
| Other hickories            | 63596          | 50066                                    | 4660        | 3175        | 1949        | 990          | 1068          | 752           | 373           | 274           | 139           | 134           | 16               |
| Persimmon                  | 19366          | 16440                                    | 1633        | 1027        | 205         | 37           | 24            | ...           | ...           | ...           | ...           | ...           | ...              |
| Hard maple                 | 8156           | 5252                                     | 2602        | ...         | 71          | 46           | 118           | 43            | 14            | ...           | ...           | 9             | ...              |
| Soft maple                 | 138543         | 106285                                   | 22771       | 5319        | 2558        | 956          | 341           | 172           | 46            | 36            | 10            | 43            | 4                |
| Boxelder                   | 1863           | 1677                                     | ...         | ...         | 114         | 41           | 31            | ...           | ...           | ...           | ...           | ...           | ...              |
| Beech                      | 15840          | 11992                                    | 1029        | 912         | 529         | 337          | 130           | 287           | 61            | 238           | 71            | 216           | 40               |
| Sweetgum                   | 473563         | 342094                                   | 77204       | 28472       | 13388       | 6435         | 2493          | 1632          | 930           | 368           | 346           | 188           | 12               |
| Blackgum                   | 84809          | 66002                                    | 8463        | 4618        | 2339        | 1659         | 870           | 462           | 216           | 116           | 21            | 37            | 4                |
| Other gums/tupelos         | 4272           | ...                                      | ...         | 828         | 697         | 764          | 622           | 757           | 302           | 168           | 58            | 68            | 8                |
| White ash                  | 13638          | 10812                                    | 2053        | 144         | 123         | 209          | 132           | 45            | 67            | 40            | ...           | 8             | 5                |
| Other ashes                | 18921          | 8431                                     | 5772        | 1735        | 877         | 779          | 571           | 179           | 301           | 142           | 61            | 67            | 6                |
| Sycamore                   | 1914           | ...                                      | 998         | 185         | 137         | 118          | 109           | 58            | 125           | 38            | 39            | 96            | 11               |
| Cottonwood                 | 583            | 559                                      | ...         | ...         | ...         | ...          | ...           | ...           | 14            | ...           | 10            | ...           | ...              |
| Basswood                   | 6393           | 5514                                     | 479         | ...         | 110         | 64           | 138           | 21            | 34            | 24            | 9             | ...           | ...              |
| Yellow-poplar              | 42696          | 28952                                    | 6663        | 1876        | 1815        | 775          | 875           | 580           | 498           | 240           | 164           | 221           | 37               |
| Magnolia                   | 27417          | 20401                                    | 4878        | 1341        | 358         | 181          | 102           | 44            | 32            | 12            | 43            | 20            | 4                |
| Sweetbay                   | 57779          | 46655                                    | 6758        | 1545        | 998         | 743          | 480           | 320           | 135           | 46            | 51            | 48            | ...              |
| Willow                     | 3784           | 2709                                     | 575         | 291         | 66          | 78           | 24            | ...           | 33            | ...           | ...           | 8             | ...              |
| Black walnut               | 608            | ...                                      | 526         | ...         | 63          | ...          | ...           | 20            | ...           | ...           | ...           | ...           | ...              |
| Black cherry               | 32625          | 22844                                    | 8441        | 761         | 438         | 72           | 59            | ...           | ...           | ...           | 9             | ...           | ...              |
| American elm               | 8411           | 6429                                     | 575         | 569         | 189         | 165          | 195           | 105           | 51            | 76            | 52            | ...           | 5                |
| Other elms                 | 40421          | 30577                                    | 5165        | 2283        | 1547        | 338          | 329           | 95            | 29            | 34            | 9             | 14            | ...              |
| River birch                | 1915           | 499                                      | 1085        | 113         | ...         | 90           | ...           | 44            | 32            | 23            | 30            | ...           | ...              |
| Hackberry                  | 8058           | 2959                                     | 575         | 1570        | 736         | 1130         | 445           | 283           | 190           | 99            | 39            | 32            | ...              |
| Black locust               | 526            | 526                                      | ...         | ...         | ...         | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Other locusts              | 60             | ...                                      | ...         | ...         | 60          | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Sassafras                  | 10816          | 10048                                    | ...         | 710         | 58          | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Dogwood                    | 170626         | 132244                                   | 30111       | 7026        | 1103        | 141          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Holly                      | 60243          | 50338                                    | 6782        | 2301        | 574         | 159          | 28            | 48            | ...           | 14            | ...           | ...           | ...              |
| Other commercial           | 9374           | 4183                                     | 3100        | 1143        | 697         | 165          | 34            | 40            | ...           | 12            | ...           | ...           | ...              |
| Total hardwoods            | 1788382        | 1312351                                  | 269802      | 93310       | 46860       | 25483        | 15717         | 10169         | 5880          | 3684          | 2110          | 2598          | 418              |
| Noncommercial              | 261343         | 213021                                   | 33957       | 8046        | 4122        | 1438         | 532           | 155           | 63            | ...           | 10            | ...           | ...              |
| All species                | 2671267        | 1764119                                  | 462260      | 198082      | 110718      | 53246        | 33210         | 21563         | 12355         | 7265          | 3934          | 4053          | 461              |

Table 33—Number of growing-stock trees on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990

| Species                    | Diameter class (inches at breast height) |         |         |          |           |           |           |           |           |           |               |
|----------------------------|------------------------------------------|---------|---------|----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                            | All classes                              | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 & larger |
| ----- Thousand trees ----- |                                          |         |         |          |           |           |           |           |           |           |               |
| Longleaf pine              | 6175                                     | 2273    | 1050    | 1228     | 732       | 565       | 201       | 107       | 10        | 8         | ...           |
| Slash pine                 | 17275                                    | 10588   | 5159    | 613      | 288       | 273       | 126       | 90        | 68        | 72        | ...           |
| Shortleaf pine             | 25681                                    | 7264    | 5974    | 4148     | 3975      | 2933      | 770       | 405       | 179       | 33        | ...           |
| Loblolly pine              | 157611                                   | 70156   | 43842   | 17691    | 10350     | 6451      | 4681      | 2316      | 1208      | 896       | 18            |
| Virginia pine              | 94                                       | ...     | 51      | 44       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Spruce pine                | 5925                                     | 1151    | 1407    | 947      | 786       | 519       | 327       | 366       | 184       | 239       | ...           |
| Other s. pines             | 18                                       | ...     | ...     | ...      | ...       | ...       | 18        | ...       | ...       | ...       | ...           |
| Redcedar                   | 3759                                     | 1767    | 1107    | 603      | 148       | 92        | 32        | ...       | 10        | ...       | ...           |
| Cypress                    | 1192                                     | ...     | 106     | 107      | 151       | 200       | 90        | 222       | 134       | 157       | 25            |
| Total softwoods            | 217730                                   | 93198   | 58695   | 25380    | 16431     | 11033     | 6244      | 3506      | 1794      | 1405      | 43            |
| Select white oaks          | 10566                                    | 4280    | 2514    | 1231     | 921       | 601       | 393       | 252       | 165       | 189       | 21            |
| Select red oaks            | 3796                                     | 1418    | 166     | 601      | 513       | 284       | 233       | 258       | 69        | 200       | 53            |
| Other white oaks           | 7933                                     | 3245    | 1617    | 1237     | 731       | 536       | 222       | 96        | 79        | 129       | 39            |
| Other red oaks             | 35724                                    | 11853   | 9075    | 5294     | 3427      | 2464      | 1447      | 864       | 545       | 680       | 76            |
| Sweet pecan                | 37                                       | ...     | ...     | 37       | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Water hickory              | 545                                      | 392     | 57      | ...      | ...       | 58        | 14        | ...       | 9         | 15        | ...           |
| Other hickories            | 8057                                     | 2714    | 1871    | 910      | 1005      | 690       | 360       | 274       | 120       | 106       | 8             |
| Persimmon                  | 938                                      | 748     | 129     | 37       | 24        | ...       | ...       | ...       | ...       | ...       | ...           |
| Hard maple                 | 277                                      | ...     | 71      | 46       | 118       | 18        | 14        | ...       | ...       | 9         | ...           |
| Soft maple                 | 7615                                     | 4663    | 1817    | 759      | 173       | 106       | 32        | 36        | 10        | 18        | ...           |
| Boxelder                   | 31                                       | ...     | ...     | ...      | 31        | ...       | ...       | ...       | ...       | ...       | ...           |
| Beech                      | 2307                                     | 821     | 529     | 292      | 130       | 220       | 61        | 92        | 30        | 117       | 16            |
| Sweetgum                   | 48569                                    | 24444   | 12339   | 6306     | 2275      | 1545      | 852       | 330       | 315       | 151       | 12            |
| Blackgum                   | 8027                                     | 2900    | 2093    | 1540     | 791       | 418       | 134       | 92        | 21        | 32        | 4             |
| Other gums/tupelos         | 3217                                     | 277     | 627     | 664      | 364       | 697       | 286       | 168       | 58        | 68        | 8             |
| White ash                  | 680                                      | 144     | 123     | 209      | 74        | 45        | 49        | 26        | ...       | 8         | ...           |
| Other ashes                | 3851                                     | 1207    | 775     | 779      | 456       | 179       | 227       | 130       | 52        | 41        | 4             |
| Sycamore                   | 902                                      | 185     | 137     | 118      | 109       | 58        | 125       | 23        | 39        | 96        | 11            |
| Cottonwood                 | 10                                       | ...     | ...     | ...      | ...       | ...       | ...       | ...       | 10        | ...       | ...           |
| Basswood                   | 380                                      | ...     | 110     | 64       | 138       | ...       | 34        | 24        | 9         | ...       | ...           |
| Yellow-poplar              | 6835                                     | 1876    | 1689    | 741      | 875       | 580       | 498       | 180       | 164       | 202       | 29            |
| Magnolia                   | 1532                                     | 980     | 205     | 181      | 51        | 44        | 32        | 12        | 20        | 6         | ...           |
| Sweetbay                   | 3519                                     | 1215    | 883     | 662      | 395       | 193       | 105       | 23        | 21        | 22        | ...           |
| Willow                     | 398                                      | 197     | 66      | 78       | 24        | ...       | 33        | ...       | ...       | ...       | ...           |
| Black walnut               | 83                                       | ...     | 63      | ...      | ...       | 20        | ...       | ...       | ...       | ...       | ...           |
| Black cherry               | 1074                                     | 652     | 327     | 35       | 59        | ...       | ...       | ...       | ...       | ...       | ...           |
| American elm               | 1242                                     | 466     | 189     | 113      | 195       | 105       | 51        | 76        | 42        | ...       | 5             |
| Other elms                 | 3918                                     | 1838    | 1336    | 294      | 276       | 95        | 29        | 34        | 9         | 6         | ...           |
| River birch                | 292                                      | 113     | ...     | 90       | ...       | 24        | 32        | 12        | 20        | ...       | ...           |
| Hackberry                  | 4163                                     | 1570    | 613     | 1018     | 445       | 237       | 144       | 87        | 28        | 22        | ...           |
| Other locusts              | 60                                       | ...     | 60      | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Sassafras                  | 621                                      | 563     | 58      | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Dogwood                    | 3331                                     | 2927    | 404     | ...      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Holly                      | 2609                                     | 1997    | 461     | 123      | 28        | ...       | ...       | ...       | ...       | ...       | ...           |
| Other commercial           | 1283                                     | 612     | 523     | 83       | 34        | 19        | ...       | 12        | ...       | ...       | ...           |
| Total hardwoods            | 174420                                   | 74298   | 40929   | 23542    | 13662     | 9236      | 5407      | 3103      | 1836      | 2119      | 286           |
| All species                | 392149                                   | 167496  | 99624   | 48922    | 30092     | 20269     | 11652     | 6608      | 3630      | 3525      | 329           |

Table 34—*Volume of growing stock on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990*

| Species                               | All<br>classes | Diameter class (inches at breast height) |             |              |               |               |               |               |               |               |                  |
|---------------------------------------|----------------|------------------------------------------|-------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                       |                | 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>Million cubic feet</i> ----- |                |                                          |             |              |               |               |               |               |               |               |                  |
| Longleaf pine                         | 84.6           | 7.0                                      | 7.3         | 18.2         | 17.9          | 18.1          | 8.8           | 5.9           | 0.7           | 0.7           | ...              |
| Slash pine                            | 106.0          | 29.3                                     | 28.9        | 7.5          | 6.7           | 8.1           | 6.5           | 5.0           | 5.2           | 8.6           | ...              |
| Shortleaf pine                        | 427.7          | 23.2                                     | 56.4        | 65.6         | 97.1          | 106.4         | 37.8          | 24.4          | 13.3          | 3.4           | ...              |
| Loblolly pine                         | 1619.4         | 163.8                                    | 251.9       | 224.8        | 219.2         | 210.8         | 215.0         | 139.9         | 96.6          | 92.9          | 4.6              |
| Virginia pine                         | 1.0            | ...                                      | 0.2         | 0.8          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Spruce pine                           | 138.0          | 3.3                                      | 9.8         | 13.1         | 16.7          | 17.3          | 14.3          | 22.5          | 14.8          | 26.1          | ...              |
| Other s. pines                        | 0.4            | ...                                      | ...         | ...          | ...           | ...           | 0.4           | ...           | ...           | ...           | ...              |
| Redcedar                              | 19.4           | 3.7                                      | 5.5         | 5.6          | 1.8           | 1.7           | 0.9           | ...           | 0.3           | ...           | ...              |
| Cypress                               | 56.5           | ...                                      | 0.5         | 1.2          | 3.1           | 5.8           | 3.3           | 11.3          | 9.1           | 15.2          | 7.0              |
| Total softwoods                       | 2453.1         | 230.4                                    | 360.6       | 336.7        | 362.7         | 368.1         | 287.0         | 209.1         | 140.0         | 146.9         | 11.6             |
| Select white oaks                     | 130.4          | 10.8                                     | 15.2        | 13.3         | 17.4          | 17.5          | 15.2          | 11.5          | 9.5           | 17.0          | 2.9              |
| Select red oaks                       | 80.9           | 3.1                                      | 1.3         | 6.7          | 9.8           | 8.8           | 9.1           | 11.9          | 5.3           | 16.6          | 8.4              |
| Other white oaks                      | 82.2           | 7.1                                      | 8.8         | 12.1         | 11.1          | 12.9          | 7.6           | 3.7           | 3.9           | 9.8           | 5.2              |
| Other red oaks                        | 457.1          | 30.9                                     | 54.6        | 60.7         | 61.4          | 64.6          | 49.9          | 39.9          | 31.5          | 53.1          | 10.5             |
| Sweet pecan                           | 0.4            | ...                                      | ...         | 0.4          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Water hickory                         | 6.0            | 1.0                                      | 0.4         | ...          | ...           | 2.0           | 0.6           | ...           | 0.8           | 1.2           | ...              |
| Other hickories                       | 111.9          | 6.8                                      | 11.3        | 9.8          | 19.5          | 19.1          | 12.8          | 14.4          | 7.3           | 10.0          | 0.8              |
| Persimmon                             | 3.6            | 1.6                                      | 0.8         | 0.6          | 0.6           | ...           | ...           | ...           | ...           | ...           | ...              |
| Hard maple                            | 4.3            | ...                                      | 0.6         | 0.3          | 1.9           | 0.4           | 0.6           | ...           | ...           | 0.4           | ...              |
| Soft maple                            | 39.9           | 12.9                                     | 11.3        | 7.3          | 3.1           | 1.7           | 0.9           | 1.1           | 0.5           | 1.1           | ...              |
| Boxelder                              | 0.4            | ...                                      | ...         | ...          | 0.4           | ...           | ...           | ...           | ...           | ...           | ...              |
| Beech                                 | 34.0           | 1.9                                      | 3.2         | 3.8          | 2.3           | 5.9           | 2.3           | 3.7           | 0.9           | 8.1           | 1.8              |
| Sweetgum                              | 410.6          | 60.8                                     | 78.3        | 81.7         | 48.8          | 49.0          | 37.1          | 17.4          | 20.8          | 14.7          | 1.9              |
| Blackgum                              | 75.2           | 7.7                                      | 13.3        | 17.3         | 15.1          | 10.2          | 4.8           | 3.8           | 1.2           | 1.7           | 0.2              |
| Other gums/tupelos                    | 58.6           | 0.7                                      | 3.8         | 7.0          | 6.1           | 17.3          | 8.7           | 6.5           | 2.3           | 5.2           | 1.0              |
| White ash                             | 10.1           | 0.3                                      | 0.9         | 2.5          | 1.8           | 0.9           | 1.7           | 1.4           | ...           | 0.6           | ...              |
| Other ashes                           | 48.8           | 3.3                                      | 4.5         | 8.4          | 8.2           | 4.7           | 7.6           | 6.0           | 2.8           | 2.7           | 0.5              |
| Sycamore                              | 25.4           | 0.9                                      | 1.2         | 1.7          | 2.8           | 1.5           | 4.7           | 1.2           | 2.3           | 8.2           | 1.0              |
| Cottonwood                            | 0.5            | ...                                      | ...         | ...          | ...           | ...           | ...           | ...           | 0.5           | ...           | ...              |
| Basswood                              | 7.9            | ...                                      | 0.8         | 0.8          | 2.8           | ...           | 1.4           | 1.4           | 0.7           | ...           | ...              |
| Yellow-poplar                         | 128.2          | 4.6                                      | 11.9        | 9.6          | 19.5          | 18.4          | 19.9          | 9.5           | 11.4          | 19.3          | 4.0              |
| Magnolia                              | 10.5           | 2.3                                      | 0.9         | 2.1          | 1.0           | 0.9           | 1.2           | 0.2           | 1.3           | 0.6           | ...              |
| Sweetbay                              | 31.5           | 4.1                                      | 4.5         | 6.6          | 6.5           | 4.0           | 2.8           | 0.8           | 0.8           | 1.4           | ...              |
| Willow                                | 2.8            | 0.5                                      | 0.4         | 0.6          | 0.5           | ...           | 0.9           | ...           | ...           | ...           | ...              |
| Black walnut                          | 0.8            | ...                                      | 0.3         | ...          | ...           | 0.5           | ...           | ...           | ...           | ...           | ...              |
| Black cherry                          | 5.1            | 2.1                                      | 1.5         | 0.4          | 1.1           | ...           | ...           | ...           | ...           | ...           | ...              |
| American elm                          | 17.9           | 1.3                                      | 1.3         | 1.4          | 3.3           | 2.9           | 1.4           | 2.9           | 3.0           | ...           | 0.3              |
| Other elms                            | 27.3           | 4.8                                      | 6.9         | 3.5          | 5.8           | 2.7           | 0.7           | 1.9           | 0.6           | 0.4           | ...              |
| River birch                           | 3.3            | 0.5                                      | ...         | 0.6          | ...           | 0.4           | 0.8           | 0.3           | 0.7           | ...           | ...              |
| Hackberry                             | 45.9           | 4.0                                      | 3.7         | 12.1         | 8.5           | 6.0           | 4.8           | 3.4           | 1.4           | 1.9           | ...              |
| Other locusts                         | 0.5            | ...                                      | 0.5         | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Sassafras                             | 1.3            | 1.1                                      | 0.2         | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Dogwood                               | 7.3            | 5.7                                      | 1.7         | ...          | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Holly                                 | 8.5            | 4.6                                      | 2.2         | 1.2          | 0.5           | ...           | ...           | ...           | ...           | ...           | ...              |
| Other commercial                      | 6.7            | 1.5                                      | 2.8         | 0.7          | 0.6           | 0.5           | ...           | 0.5           | ...           | ...           | ...              |
| Total hardwoods                       | 1885.7         | 186.9                                    | 248.9       | 273.2        | 260.5         | 252.8         | 197.7         | 143.5         | 109.6         | 174.0         | 38.5             |
| All species                           | 4338.8         | 417.3                                    | 609.6       | 609.9        | 623.2         | 620.9         | 484.7         | 352.6         | 249.6         | 321.0         | 50.1             |

Table 35—*Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990*

| 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> |                                          |          |           |           |           |           |           |           |               |
| Longleaf pine                         | 61.5                                     | 14.8     | 16.0      | 16.1      | 8.0       | 5.3       | 0.6       | 0.7       | ...           |
| Slash pine                            | 44.5                                     | 5.9      | 6.2       | 7.5       | 6.3       | 4.9       | 5.2       | 8.6       | ...           |
| Shortleaf pine                        | 309.4                                    | 54.3     | 86.2      | 96.8      | 34.3      | 22.8      | 11.7      | 3.3       | ...           |
| Loblolly pine                         | 1068.5                                   | 177.4    | 193.3     | 192.3     | 196.9     | 128.7     | 89.0      | 86.4      | 4.5           |
| Virginia pine                         | 0.7                                      | 0.7      | ...       | ...       | ...       | ...       | ...       | ...       | ...           |
| Spruce pine                           | 111.5                                    | 10.6     | 14.6      | 16.0      | 12.7      | 20.8      | 13.2      | 23.5      | ...           |
| Other s. pines                        | 0.3                                      | ...      | ...       | ...       | 0.3       | ...       | ...       | ...       | ...           |
| Redcedar                              | 8.5                                      | 4.4      | 1.6       | 1.5       | 0.8       | ...       | 0.2       | ...       | ...           |
| Cypress                               | 51.1                                     | 1.0      | 2.8       | 4.7       | 3.0       | 10.5      | 8.5       | 14.0      | 6.6           |
| Total softwoods                       | 1655.8                                   | 269.1    | 320.7     | 334.8     | 262.3     | 193.0     | 128.3     | 136.5     | 11.2          |
| Select white oaks                     | 76.7                                     | ...      | 13.5      | 15.0      | 13.0      | 9.8       | 8.0       | 14.9      | 2.5           |
| Select red oaks                       | 59.2                                     | ...      | 7.0       | 7.4       | 7.7       | 10.5      | 4.6       | 14.3      | 7.7           |
| Other white oaks                      | 46.0                                     | ...      | 8.5       | 10.8      | 6.7       | 3.4       | 3.6       | 8.5       | 4.7           |
| Other red oaks                        | 261.1                                    | ...      | 46.5      | 53.8      | 42.8      | 34.0      | 27.4      | 47.1      | 9.5           |
| Water hickory                         | 4.1                                      | ...      | ...       | 1.6       | 0.6       | ...       | 0.8       | 1.2       | ...           |
| Other hickories                       | 69.5                                     | ...      | 14.7      | 16.0      | 10.9      | 12.7      | 6.0       | 8.4       | 0.8           |
| Persimmon                             | 0.5                                      | ...      | 0.5       | ...       | ...       | ...       | ...       | ...       | ...           |
| Hard maple                            | 2.5                                      | ...      | 1.5       | 0.4       | 0.4       | ...       | ...       | 0.3       | ...           |
| Soft maple                            | 6.5                                      | ...      | 2.1       | 1.4       | 0.7       | 1.0       | 0.4       | 0.9       | ...           |
| Boxelder                              | 0.3                                      | ...      | 0.3       | ...       | ...       | ...       | ...       | ...       | ...           |
| Beech                                 | 22.4                                     | ...      | 1.7       | 5.3       | 2.0       | 3.5       | 0.8       | 7.4       | 1.7           |
| Sweetgum                              | 157.3                                    | ...      | 33.5      | 41.5      | 33.3      | 15.4      | 18.4      | 13.4      | 1.8           |
| Blackgum                              | 29.2                                     | ...      | 10.9      | 7.9       | 4.3       | 3.6       | 1.0       | 1.5       | 0.1           |
| Other gums/tupelos                    | 37.6                                     | ...      | 3.7       | 13.1      | 7.3       | 5.8       | 2.1       | 4.9       | 0.8           |
| White ash                             | 5.4                                      | ...      | 1.4       | 0.8       | 1.6       | 1.1       | ...       | 0.6       | ...           |
| Other ashes                           | 26.7                                     | ...      | 5.4       | 3.6       | 7.0       | 5.2       | 2.6       | 2.4       | 0.5           |
| Sycamore                              | 18.9                                     | ...      | 1.8       | 1.3       | 4.3       | 1.1       | 2.1       | 7.5       | 0.8           |
| Cottonwood                            | 0.4                                      | ...      | ...       | ...       | ...       | ...       | 0.4       | ...       | ...           |
| Basswood                              | 4.9                                      | ...      | 2.2       | ...       | 0.9       | 1.1       | 0.7       | ...       | ...           |
| Yellow-poplar                         | 88.1                                     | ...      | 14.8      | 16.0      | 17.5      | 8.2       | 10.1      | 17.6      | 3.9           |
| Magnolia                              | 4.4                                      | ...      | 0.6       | 0.8       | 1.1       | 0.2       | 0.9       | 0.6       | ...           |
| Sweetbay                              | 13.4                                     | ...      | 5.1       | 3.3       | 2.3       | 0.6       | 0.8       | 1.3       | ...           |
| Willow                                | 1.2                                      | ...      | 0.4       | ...       | 0.8       | ...       | ...       | ...       | ...           |
| Black walnut                          | 0.4                                      | ...      | ...       | 0.4       | ...       | ...       | ...       | ...       | ...           |
| Black cherry                          | 0.8                                      | ...      | 0.8       | ...       | ...       | ...       | ...       | ...       | ...           |
| American elm                          | 10.8                                     | ...      | 2.2       | 2.3       | 1.1       | 2.4       | 2.5       | ...       | 0.3           |
| Other elms                            | 10.0                                     | ...      | 4.7       | 2.3       | 0.6       | 1.6       | 0.6       | 0.3       | ...           |
| River birch                           | 1.9                                      | ...      | ...       | 0.3       | 0.6       | 0.3       | 0.7       | ...       | ...           |
| Hackberry                             | 20.7                                     | ...      | 6.3       | 4.6       | 3.9       | 3.1       | 1.3       | 1.6       | ...           |
| Holly                                 | 0.4                                      | ...      | 0.4       | ...       | ...       | ...       | ...       | ...       | ...           |
| Other commercial                      | 1.4                                      | ...      | 0.4       | 0.5       | ...       | 0.5       | ...       | ...       | ...           |
| Total hardwoods                       | 982.7                                    | ...      | 190.9     | 210.2     | 171.2     | 124.9     | 95.7      | 154.7     | 35.2          |
| All species                           | 2638.6                                   | 269.1    | 511.6     | 545.1     | 433.4     | 317.9     | 224.0     | 291.1     | 46.3          |

Table 36—*Volume of timber on timberland by detailed species and class of timber, Southwest-North Alabama Counties, 1990*

| Species                        | All live | Growing stock | Rough | Rotten |
|--------------------------------|----------|---------------|-------|--------|
| ----- Million cubic feet ----- |          |               |       |        |
| Longleaf pine                  | 85.0     | 84.6          | 0.5   | ...    |
| Slash pine                     | 106.3    | 106.0         | 0.3   | ...    |
| Shortleaf pine                 | 431.9    | 427.7         | 4.2   | ...    |
| Loblolly pine                  | 1650.1   | 1619.4        | 29.3  | 1.3    |
| Virginia pine                  | 1.0      | 1.0           | ...   | ...    |
| Spruce pine                    | 138.6    | 138.0         | 0.6   | ...    |
| Other s. pines                 | 0.4      | 0.4           | ...   | ...    |
| Redcedar                       | 21.9     | 19.4          | 2.3   | 0.1    |
| Cypress                        | 58.1     | 56.5          | 1.4   | 0.2    |
| Total softwoods                | 2493.3   | 2453.1        | 38.6  | 1.6    |
| Select white oaks              | 135.8    | 130.4         | 3.6   | 1.8    |
| Select red oaks                | 84.1     | 80.9          | 1.0   | 2.2    |
| Other white oaks               | 91.3     | 82.2          | 7.9   | 1.2    |
| Other red oaks                 | 494.3    | 457.1         | 27.4  | 9.9    |
| Sweet pecan                    | 0.4      | 0.4           | ...   | ...    |
| Water hickory                  | 6.4      | 6.0           | 0.4   | ...    |
| Other hickories                | 118.7    | 111.9         | 4.4   | 2.4    |
| Persimmon                      | 4.2      | 3.6           | 0.5   | ...    |
| Hard maple                     | 4.8      | 4.3           | 0.5   | ...    |
| Soft maple                     | 49.5     | 39.9          | 7.1   | 2.5    |
| Boxelder                       | 1.3      | 0.4           | 0.5   | 0.4    |
| Beech                          | 48.3     | 34.0          | 4.1   | 10.2   |
| Sweetgum                       | 432.1    | 410.6         | 14.1  | 7.4    |
| Blackgum                       | 82.6     | 75.2          | 5.6   | 1.8    |
| Other gums/tupelos             | 65.8     | 58.6          | 6.9   | 0.3    |
| White ash                      | 11.6     | 10.1          | 1.4   | 0.1    |
| Other ashes                    | 57.1     | 48.8          | 5.2   | 3.0    |
| Sycamore                       | 25.6     | 25.4          | ...   | 0.2    |
| Cottonwood                     | 0.9      | 0.5           | ...   | 0.3    |
| Basswood                       | 8.4      | 7.9           | 0.4   | ...    |
| Yellow-poplar                  | 134.1    | 128.2         | 3.5   | 2.4    |
| Magnolia                       | 14.4     | 10.5          | 1.8   | 2.0    |
| Sweetbay                       | 37.5     | 31.5          | 3.2   | 2.8    |
| Willow                         | 3.0      | 2.8           | ...   | 0.2    |
| Black walnut                   | 0.8      | 0.8           | ...   | ...    |
| Black cherry                   | 6.1      | 5.1           | 0.9   | ...    |
| American elm                   | 18.6     | 17.9          | 0.5   | 0.2    |
| Other elms                     | 29.9     | 27.3          | 2.6   | ...    |
| River birch                    | 3.9      | 3.3           | 0.5   | 0.2    |
| Hackberry                      | 49.8     | 45.9          | 2.6   | 1.3    |
| Other locusts                  | 0.5      | 0.5           | ...   | ...    |
| Sassafras                      | 1.5      | 1.3           | 0.2   | ...    |
| Dogwood                        | 15.0     | 7.3           | 7.5   | 0.2    |
| Holly                          | 10.3     | 8.5           | 1.8   | ...    |
| Other commercial               | 8.8      | 6.7           | 1.9   | 0.2    |
| Total hardwoods                | 2057.2   | 1885.7        | 118.1 | 53.4   |
| Noncommercial                  | 57.0     | ...           | 57.0  | ...    |
| All species                    | 4607.6   | 4338.8        | 213.7 | 55.1   |

Table 37 – Volume of sawtimber for tree grade 1 on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990

| Species                        | All<br>classes | Diameter class (inches at breast height) |               |               |               |               |               |               |                  |
|--------------------------------|----------------|------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                |                | 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 board feet ----- |                |                                          |               |               |               |               |               |               |                  |
| Longleaf pine                  | 103.5          | 17.6                                     | 42.3          | 10.7          | 16.3          | 13.0          | 3.7           | ...           | ...              |
| Slash pine                     | 96.1           | 3.4                                      | 17.8          | 13.5          | 19.3          | 12.5          | 8.5           | 21.1          | ...              |
| Shortleaf pine                 | 649.9          | 83.0                                     | 159.0         | 209.7         | 68.7          | 77.2          | 35.5          | 16.8          | ...              |
| Loblolly pine                  | 1619.7         | 70.0                                     | 129.8         | 248.8         | 317.4         | 304.5         | 253.3         | 282.5         | 13.5             |
| Spruce pine                    | 79.3           | 4.8                                      | ...           | ...           | 5.2           | 31.3          | 23.9          | 14.1          | ...              |
| Redcedar                       | 42.3           | 21.4                                     | 7.8           | 7.7           | 4.2           | ...           | 1.1           | ...           | ...              |
| Cypress                        | 135.4          | ...                                      | 1.6           | 5.6           | 2.0           | 30.9          | 32.4          | 62.7          | ...              |
| Total softwoods                | 2726.2         | 200.3                                    | 358.4         | 495.9         | 433.1         | 469.3         | 358.4         | 397.2         | 13.5             |
| Select white oaks              | 72.5           | ...                                      | ...           | ...           | ...           | 13.8          | 12.6          | 35.8          | 10.3             |
| Select red oaks                | 75.6           | ...                                      | ...           | ...           | ...           | 13.1          | 5.6           | 26.7          | 30.2             |
| Other white oaks               | 11.7           | ...                                      | ...           | ...           | 3.1           | ...           | ...           | 8.5           | ...              |
| Other red oaks                 | 77.7           | ...                                      | ...           | ...           | 7.3           | 11.6          | 18.4          | 24.0          | 16.4             |
| Water hickory                  | 8.3            | ...                                      | ...           | ...           | 3.4           | ...           | 4.9           | ...           | ...              |
| Other hickories                | 36.9           | ...                                      | ...           | ...           | 5.9           | 10.4          | 13.9          | 6.7           | ...              |
| Beech                          | 4.3            | ...                                      | ...           | ...           | 4.3           | ...           | ...           | ...           | ...              |
| Sweetgum                       | 87.3           | ...                                      | ...           | ...           | 6.8           | 17.0          | 21.6          | 37.1          | 4.9              |
| Blackgum                       | 16.0           | ...                                      | ...           | ...           | 3.5           | 4.9           | ...           | 7.5           | ...              |
| Other gums/tupelos             | 25.7           | ...                                      | ...           | ...           | 7.1           | 2.5           | 4.9           | 9.3           | 1.9              |
| White ash                      | 10.1           | ...                                      | ...           | ...           | 2.8           | 7.2           | ...           | ...           | ...              |
| Other ashes                    | 6.6            | ...                                      | ...           | ...           | 3.4           | 3.2           | ...           | ...           | ...              |
| Sycamore                       | 25.8           | ...                                      | ...           | ...           | 6.2           | ...           | 3.1           | 14.6          | 2.0              |
| Yellow-poplar                  | 88.6           | ...                                      | ...           | ...           | ...           | 31.6          | 17.0          | 40.0          | ...              |
| American elm                   | 8.1            | ...                                      | ...           | ...           | ...           | 2.9           | 5.2           | ...           | ...              |
| Other elms                     | 4.3            | ...                                      | ...           | ...           | ...           | ...           | 4.3           | ...           | ...              |
| Total hardwoods                | 559.5          | ...                                      | ...           | ...           | 53.9          | 118.2         | 111.5         | 210.2         | 65.6             |
| All species                    | 3285.6         | 200.3                                    | 358.4         | 495.9         | 487.0         | 587.5         | 469.9         | 607.4         | 79.1             |

Table 38—Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990

| Species                        | All classes | Diameter class (inches at breast height) |           |           |           |           |           |           |               |
|--------------------------------|-------------|------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|
|                                |             | 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 ----- |             |                                          |           |           |           |           |           |           |               |
| Longleaf pine                  | 82.5        | 9.0                                      | 15.3      | 39.8      | 9.2       | 9.2       | ...       | ...       | ...           |
| Slash pine                     | 73.8        | 8.7                                      | 11.9      | 13.3      | 10.8      | 5.0       | 6.3       | 17.7      | ...           |
| Shortleaf pine                 | 494.8       | 71.2                                     | 133.0     | 176.1     | 74.9      | 33.3      | 6.3       | ...       | ...           |
| Loblolly pine                  | 1475.2      | 92.5                                     | 178.2     | 316.4     | 406.8     | 196.6     | 148.7     | 130.6     | 5.4           |
| Spruce pine                    | 135.2       | 2.9                                      | 5.9       | 24.2      | 14.9      | 29.5      | 25.2      | 32.7      | ...           |
| Cypress                        | 62.4        | ...                                      | 7.9       | 5.2       | 8.2       | 14.3      | 9.8       | 17.0      | ...           |
| Total softwoods                | 2323.9      | 184.2                                    | 352.3     | 575.0     | 524.8     | 287.9     | 196.3     | 198.0     | 5.4           |
| Select white oaks              | 116.9       | ...                                      | ...       | 18.7      | 36.1      | 11.5      | 11.9      | 34.4      | 4.2           |
| Select red oaks                | 92.2        | ...                                      | ...       | 5.1       | 26.0      | 18.9      | 8.0       | 24.1      | 10.1          |
| Other white oaks               | 37.0        | ...                                      | ...       | 11.6      | 5.6       | 5.9       | 6.3       | 2.0       | 5.5           |
| Other red oaks                 | 234.5       | ...                                      | ...       | 27.8      | 68.8      | 30.4      | 38.8      | 51.6      | 17.1          |
| Water hickory                  | 3.9         | ...                                      | ...       | 3.9       | ...       | ...       | ...       | ...       | ...           |
| Other hickories                | 75.8        | ...                                      | ...       | 28.0      | 10.7      | 23.1      | 6.7       | 7.3       | ...           |
| Sweetgum                       | 310.8       | ...                                      | ...       | 115.7     | 102.0     | 34.2      | 42.6      | 16.3      | ...           |
| Blackgum                       | 43.0        | ...                                      | ...       | 14.2      | 18.5      | 8.0       | 2.3       | ...       | ...           |
| Other gums/tupelos             | 92.5        | ...                                      | ...       | 44.1      | 15.5      | 20.8      | 1.8       | 10.3      | ...           |
| White ash                      | 2.1         | ...                                      | ...       | ...       | ...       | ...       | ...       | 2.1       | ...           |
| Other ashes                    | 31.7        | ...                                      | ...       | 2.4       | 9.3       | 12.4      | 3.4       | 4.3       | ...           |
| Sycamore                       | 16.6        | ...                                      | ...       | 4.2       | 5.3       | ...       | ...       | 7.1       | ...           |
| Basswood                       | 9.2         | ...                                      | ...       | ...       | 3.9       | 5.2       | ...       | ...       | ...           |
| Yellow-poplar                  | 89.9        | ...                                      | ...       | 19.2      | 24.5      | 2.2       | 5.7       | 29.5      | 8.8           |
| Magnolia                       | 3.3         | ...                                      | ...       | ...       | 3.3       | ...       | ...       | ...       | ...           |
| Sweetbay                       | 13.4        | ...                                      | ...       | 5.5       | 7.9       | ...       | ...       | ...       | ...           |
| Black walnut                   | 2.3         | ...                                      | ...       | 2.3       | ...       | ...       | ...       | ...       | ...           |
| American elm                   | 15.1        | ...                                      | ...       | 4.3       | ...       | 2.8       | 8.0       | ...       | ...           |
| Other elms                     | 6.8         | ...                                      | ...       | 3.0       | ...       | 3.8       | ...       | ...       | ...           |
| River birch                    | 7.4         | ...                                      | ...       | 1.6       | 1.7       | 1.9       | 2.3       | ...       | ...           |
| Hackberry                      | 13.2        | ...                                      | ...       | 1.3       | ...       | 5.3       | 2.2       | 4.3       | ...           |
| Total hardwoods                | 1217.7      | ...                                      | ...       | 312.9     | 339.0     | 186.4     | 140.1     | 193.4     | 45.7          |
| All species                    | 3541.5      | 184.2                                    | 352.3     | 887.9     | 863.8     | 474.4     | 336.4     | 391.4     | 51.2          |

Table 39—Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, Southwest North Alabama Counties, 1990

| Species                        | All<br>classes | Diameter class (inches at breast height) |               |               |               |               |               |               |                  |
|--------------------------------|----------------|------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                |                | 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 board feet ----- |                |                                          |               |               |               |               |               |               |                  |
| Longleaf pine                  | 187.3          | 54.8                                     | 41.1          | 48.1          | 27.4          | 11.9          | ...           | 4.0           | ...              |
| Slash pine                     | 82.3           | 17.1                                     | 7.1           | 15.2          | 6.4           | 8.6           | 14.3          | 13.6          | ...              |
| Shortleaf pine                 | 831.9          | 165.3                                    | 245.9         | 247.5         | 89.1          | 43.1          | 36.2          | 4.9           | ...              |
| Loblolly pine                  | 3485.0         | 771.1                                    | 812.9         | 646.5         | 530.3         | 347.2         | 209.1         | 158.7         | 9.2              |
| Virginia pine                  | 4.6            | 4.6                                      | ...           | ...           | ...           | ...           | ...           | ...           | ...              |
| Spruce pine                    | 490.4          | 50.0                                     | 79.6          | 72.8          | 60.6          | 75.4          | 36.6          | 115.4         | ...              |
| Other s. pines                 | 1.4            | ...                                      | ...           | ...           | 1.4           | ...           | ...           | ...           | ...              |
| Cypress                        | 76.2           | 4.5                                      | 4.4           | 14.0          | 5.8           | 11.6          | 5.9           | 1.6           | 28.4             |
| Total softwoods                | 5159.1         | 1067.3                                   | 1190.9        | 1044.2        | 721.1         | 497.8         | 302.1         | 298.2         | 37.6             |
| Select white oaks              | 183.5          | ...                                      | 54.2          | 43.6          | 27.8          | 26.9          | 9.8           | 18.4          | 2.8              |
| Select red oaks                | 86.5           | ...                                      | 24.3          | 16.6          | 13.1          | 6.9           | ...           | 21.6          | 4.1              |
| Other white oaks               | 122.1          | ...                                      | 28.7          | 18.5          | 20.0          | 6.7           | 4.6           | 27.3          | 16.4             |
| Other red oaks                 | 397.7          | ...                                      | 68.4          | 69.2          | 66.0          | 64.3          | 46.8          | 79.1          | 4.0              |
| Water hickory                  | 5.8            | ...                                      | ...           | 5.8           | ...           | ...           | ...           | ...           | ...              |
| Other hickories                | 157.7          | ...                                      | 46.7          | 34.7          | 28.4          | 26.7          | 11.3          | 9.9           | ...              |
| Persimmon                      | 3.2            | ...                                      | 3.2           | ...           | ...           | ...           | ...           | ...           | ...              |
| Hard maple                     | 6.8            | ...                                      | 4.3           | ...           | 2.4           | ...           | ...           | ...           | ...              |
| Soft maple                     | 13.4           | ...                                      | 7.5           | ...           | 1.7           | 4.2           | ...           | ...           | ...              |
| Beech                          | 53.7           | ...                                      | 8.1           | 8.4           | ...           | 9.1           | 3.1           | 18.3          | 6.7              |
| Sweetgum                       | 306.7          | ...                                      | 120.8         | 69.8          | 42.3          | 20.1          | 29.4          | 24.2          | ...              |
| Blackgum                       | 87.5           | ...                                      | 54.3          | 23.3          | ...           | 5.6           | 3.6           | ...           | 0.7              |
| Other gums/tupelos             | 55.3           | ...                                      | 16.7          | 17.8          | 8.5           | 2.9           | 2.3           | 4.6           | 2.5              |
| White ash                      | 13.4           | ...                                      | 5.7           | 4.4           | 3.3           | ...           | ...           | ...           | ...              |
| Other ashes                    | 69.1           | ...                                      | 21.6          | 16.3          | 20.2          | 3.1           | 6.3           | 1.6           | ...              |
| Sycamore                       | 18.1           | ...                                      | 10.3          | ...           | 2.5           | ...           | 2.8           | 2.5           | ...              |
| Cottonwood                     | 2.6            | ...                                      | ...           | ...           | ...           | ...           | 2.6           | ...           | ...              |
| Basswood                       | 14.8           | ...                                      | 7.3           | ...           | ...           | 2.5           | 5.0           | ...           | ...              |
| Yellow-poplar                  | 158.5          | ...                                      | 43.3          | 23.6          | 35.8          | 6.7           | 27.8          | 19.2          | 2.1              |
| Magnolia                       | 12.0           | ...                                      | 3.5           | 1.9           | 3.4           | ...           | ...           | 3.2           | ...              |
| Sweetbay                       | 38.2           | ...                                      | 14.9          | 8.7           | 4.0           | 1.7           | 4.8           | 4.2           | ...              |
| Willow                         | 2.2            | ...                                      | 2.2           | ...           | ...           | ...           | ...           | ...           | ...              |
| Black cherry                   | 4.7            | ...                                      | 4.7           | ...           | ...           | ...           | ...           | ...           | ...              |
| American elm                   | 26.4           | ...                                      | 8.5           | 9.8           | 4.3           | 3.9           | ...           | ...           | ...              |
| Other elms                     | 20.5           | ...                                      | 12.6          | 3.6           | 2.3           | ...           | ...           | 2.0           | ...              |
| Hackberry                      | 50.6           | ...                                      | 20.2          | 14.0          | 9.0           | 4.9           | ...           | 2.5           | ...              |
| Holly                          | 2.3            | ...                                      | 2.3           | ...           | ...           | ...           | ...           | ...           | ...              |
| Other commercial               | 3.5            | ...                                      | ...           | 3.5           | ...           | ...           | ...           | ...           | ...              |
| Total hardwoods                | 1916.9         | ...                                      | 594.3         | 393.6         | 295.0         | 196.1         | 160.1         | 238.5         | 39.2             |
| All species                    | 7076.0         | 1067.3                                   | 1785.2        | 1437.8        | 1016.1        | 693.9         | 462.2         | 536.7         | 76.9             |

Table 40 – Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, Southwest-North Alabama Counties, 1990

| Species                        | All<br>classes | Diameter class (inches at breast height) |               |               |               |               |               |               |                  |
|--------------------------------|----------------|------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------------------|
|                                |                | 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 board feet ----- |                |                                          |               |               |               |               |               |               |                  |
| Select white oaks              | 76.9           | ...                                      | 15.9          | 21.1          | 12.0          | 4.9           | 13.5          | 9.6           | ...              |
| Select red oaks                | 79.2           | ...                                      | 12.6          | 20.9          | 5.3           | 19.2          | 11.9          | 9.3           | ...              |
| Other white oaks               | 77.7           | ...                                      | 13.8          | 24.3          | 9.1           | 6.1           | 5.5           | 12.5          | 6.4              |
| Other red oaks                 | 708.0          | ...                                      | 161.8         | 191.0         | 89.4          | 91.6          | 52.0          | 102.8         | 19.4             |
| Water hickory                  | 6.6            | ...                                      | ...           | ...           | ...           | ...           | ...           | 6.6           | ...              |
| Other hickories                | 112.6          | ...                                      | 31.6          | 26.6          | 16.4          | 14.5          | 7.0           | 16.4          | ...              |
| Hard maple                     | 7.1            | ...                                      | 4.2           | 2.9           | ...           | ...           | ...           | ...           | ...              |
| Soft maple                     | 11.3           | ...                                      | 4.9           | 2.6           | ...           | ...           | 2.1           | 1.7           | ...              |
| Boxelder                       | 1.3            | ...                                      | 1.3           | ...           | ...           | ...           | ...           | ...           | ...              |
| Beech                          | 64.7           | ...                                      | 1.4           | 21.7          | 8.5           | 14.5          | ...           | 18.6          | ...              |
| Sweetgum                       | 168.6          | ...                                      | 60.1          | 51.9          | 35.2          | 15.2          | 6.2           | ...           | ...              |
| Blackgum                       | 8.5            | ...                                      | 2.8           | 5.1           | 0.6           | ...           | ...           | ...           | ...              |
| Other gums/tupelos             | 3.3            | ...                                      | ...           | ...           | 1.2           | 2.1           | ...           | ...           | ...              |
| White ash                      | 4.0            | ...                                      | ...           | ...           | 4.0           | ...           | ...           | ...           | ...              |
| Other ashes                    | 7.2            | ...                                      | 4.9           | ...           | ...           | ...           | 2.3           | ...           | ...              |
| Sycamore                       | 35.2           | ...                                      | ...           | 2.3           | 8.3           | 1.7           | ...           | 23.0          | ...              |
| Basswood                       | 5.3            | ...                                      | 3.4           | ...           | 1.9           | ...           | ...           | ...           | ...              |
| Yellow-poplar                  | 155.1          | ...                                      | 41.8          | 48.3          | 37.3          | 10.3          | 8.3           | 9.2           | ...              |
| Magnolia                       | 8.1            | ...                                      | ...           | 2.9           | ...           | 1.3           | 3.9           | ...           | ...              |
| Sweetbay                       | 10.1           | ...                                      | 8.1           | 2.0           | ...           | ...           | ...           | ...           | ...              |
| Willow                         | 4.9            | ...                                      | ...           | ...           | 4.9           | ...           | ...           | ...           | ...              |
| American elm                   | 8.8            | ...                                      | 3.9           | ...           | 2.1           | 2.8           | ...           | ...           | ...              |
| Other elms                     | 28.8           | ...                                      | 14.8          | 7.5           | ...           | 6.4           | ...           | ...           | ...              |
| Hackberry                      | 52.9           | ...                                      | 14.3          | 10.2          | 13.6          | 6.1           | 5.6           | 3.1           | ...              |
| Other commercial               | 2.4            | ...                                      | 2.4           | ...           | ...           | ...           | ...           | ...           | ...              |
| Total hardwoods                | 1648.4         | ...                                      | 404.0         | 441.3         | 249.8         | 196.5         | 118.3         | 212.6         | 25.8             |
| All species                    | 1648.4         | ...                                      | 404.0         | 441.3         | 249.8         | 196.5         | 118.3         | 212.6         | 25.8             |

Table 41 – Volume of sawtimber on timberland by species and ownership class, Southwest-North Alabama Counties, 1990

| Species                   | All ownerships | National forest | Other public | Forest industry | Forest industry-leased | Other private |
|---------------------------|----------------|-----------------|--------------|-----------------|------------------------|---------------|
| <i>Million board feet</i> |                |                 |              |                 |                        |               |
| Yellow pines              | 10143.6        | ...             | 269.9        | 3836.5          | 557.2                  | 5480.0        |
| Cypress                   | 288.6          | ...             | ...          | 65.9            | 9.0                    | 213.7         |
| Redcedar                  | 42.3           | ...             | ...          | 5.8             | ...                    | 36.5          |
| Total softwoods           | 10474.4        | ...             | 269.9        | 3908.2          | 566.2                  | 5730.2        |
| Select white-red oaks     | 837.5          | ...             | 77.4         | 243.1           | 33.8                   | 483.2         |
| Other white-red oaks      | 1814.4         | ...             | 96.1         | 491.5           | 75.4                   | 1151.4        |
| Hickory                   | 449.2          | ...             | 12.6         | 105.6           | 42.9                   | 288.1         |
| Hard maple                | 15.1           | ...             | 5.9          | ...             | 2.4                    | 6.7           |
| Sweetgum                  | 950.0          | ...             | 16.3         | 228.6           | 75.0                   | 630.0         |
| Tupelo and blackgum       | 351.4          | ...             | 8.6          | 136.3           | 22.0                   | 184.5         |
| Ash-walnut-black cherry   | 185.6          | ...             | 4.8          | 56.1            | 6.2                    | 118.5         |
| Yellow-poplar             | 538.4          | ...             | 4.3          | 115.3           | 40.9                   | 377.9         |
| Other hardwoods           | 699.9          | ...             | 19.3         | 216.7           | 64.2                   | 399.7         |
| Total hardwoods           | 5841.7         | ...             | 245.5        | 1593.3          | 362.8                  | 3640.1        |
| All species               | 16316.1        | ...             | 515.3        | 5501.5          | 929.0                  | 9370.3        |

Table 42—Average net annual growth, average annual removals, and average annual mortality of live trees<sup>1</sup> by county and species group, Southwest-North Alabama Counties, 1990

| County                                | Growth      |          |          | Removals    |          |          | Mortality   |          |          |
|---------------------------------------|-------------|----------|----------|-------------|----------|----------|-------------|----------|----------|
|                                       | All species | Softwood | Hardwood | All species | Softwood | Hardwood | All species | Softwood | Hardwood |
| <i>----- Million cubic feet -----</i> |             |          |          |             |          |          |             |          |          |
| Choctaw                               | 40.5        | 26.7     | 13.8     | 31.1        | 19.7     | 11.4     | 4.0         | 2.2      | 1.8      |
| Clarke                                | 50.8        | 28.5     | 22.3     | 36.6        | 21.2     | 15.4     | 9.0         | 4.9      | 4.1      |
| Conecuh                               | 25.0        | 17.6     | 7.5      | 15.5        | 5.5      | 10.0     | 5.3         | 2.4      | 3.0      |
| Marengo                               | 26.5        | 16.8     | 9.7      | 33.1        | 23.0     | 10.1     | 5.4         | 2.5      | 2.9      |
| Monroe                                | 37.9        | 22.5     | 15.4     | 32.3        | 19.0     | 13.3     | 5.6         | 2.2      | 3.5      |
| Sumter                                | 24.4        | 11.7     | 12.6     | 23.6        | 15.1     | 8.5      | 4.4         | 1.6      | 2.7      |
| Wilcox                                | 32.7        | 20.6     | 12.1     | 39.9        | 22.9     | 17.0     | 3.9         | 2.2      | 1.7      |
| All counties                          | 237.9       | 144.5    | 93.4     | 212.2       | 126.5    | 85.7     | 37.7        | 18.0     | 19.7     |

<sup>1</sup>Excludes trees less than 5.0 inches in diameter at breast height.

Table 43—Average net annual growth, average annual removals, and average annual mortality of live trees<sup>1</sup> by ownership class and species group, Southwest-North Alabama Counties, 1990

| Ownership class                       | Growth      |          |          | Removals    |          |          | Mortality   |          |          |
|---------------------------------------|-------------|----------|----------|-------------|----------|----------|-------------|----------|----------|
|                                       | All classes | Softwood | Hardwood | All species | Softwood | Hardwood | All Species | Softwood | Hardwood |
| <i>----- Million cubic feet -----</i> |             |          |          |             |          |          |             |          |          |
| Other public                          | 4.1         | 1.4      | 2.8      | 1.4         | 1.3      | 0.1      | 1.1         | 0.7      | 0.4      |
| Forest industry                       | 82.4        | 56.6     | 25.8     | 73.1        | 45.8     | 27.3     | 14.1        | 7.6      | 6.6      |
| Forest industry-leased                | 15.0        | 9.4      | 5.7      | 10.2        | 6.1      | 4.1      | 1.0         | 0.3      | 0.7      |
| Other private                         | 136.3       | 77.1     | 59.2     | 127.6       | 73.3     | 54.3     | 21.4        | 9.4      | 12.0     |
| All ownerships                        | 237.9       | 144.5    | 93.4     | 212.2       | 126.5    | 85.7     | 37.7        | 18.0     | 19.7     |

<sup>1</sup>Excludes trees less than 5.0 inches in diameter at breast height.

## FIGURES

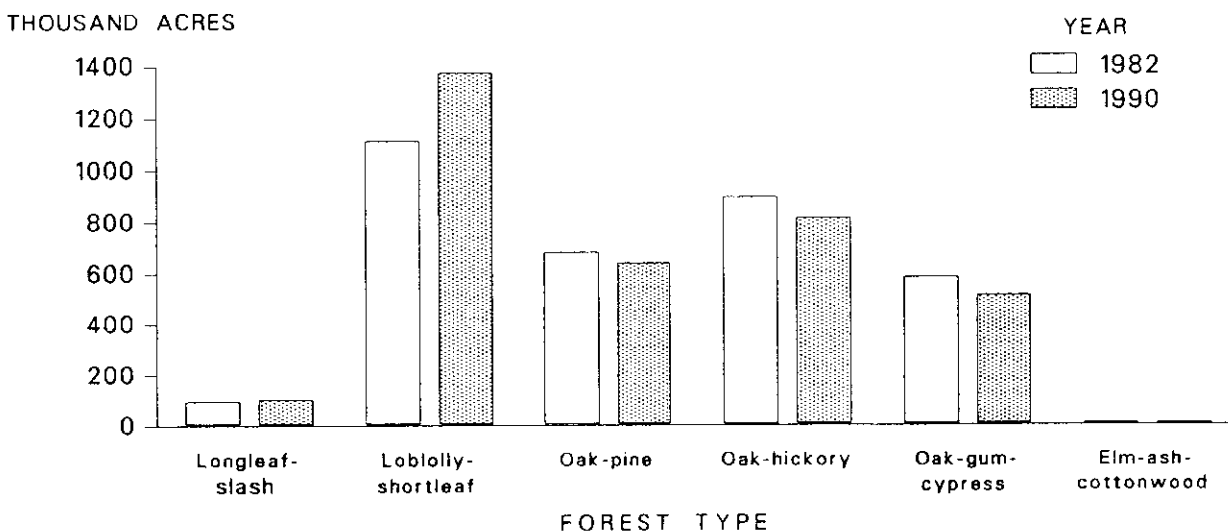


Figure 1.—Area of timberland by forest type, Southwest-North Alabama, 1982 and 1990.

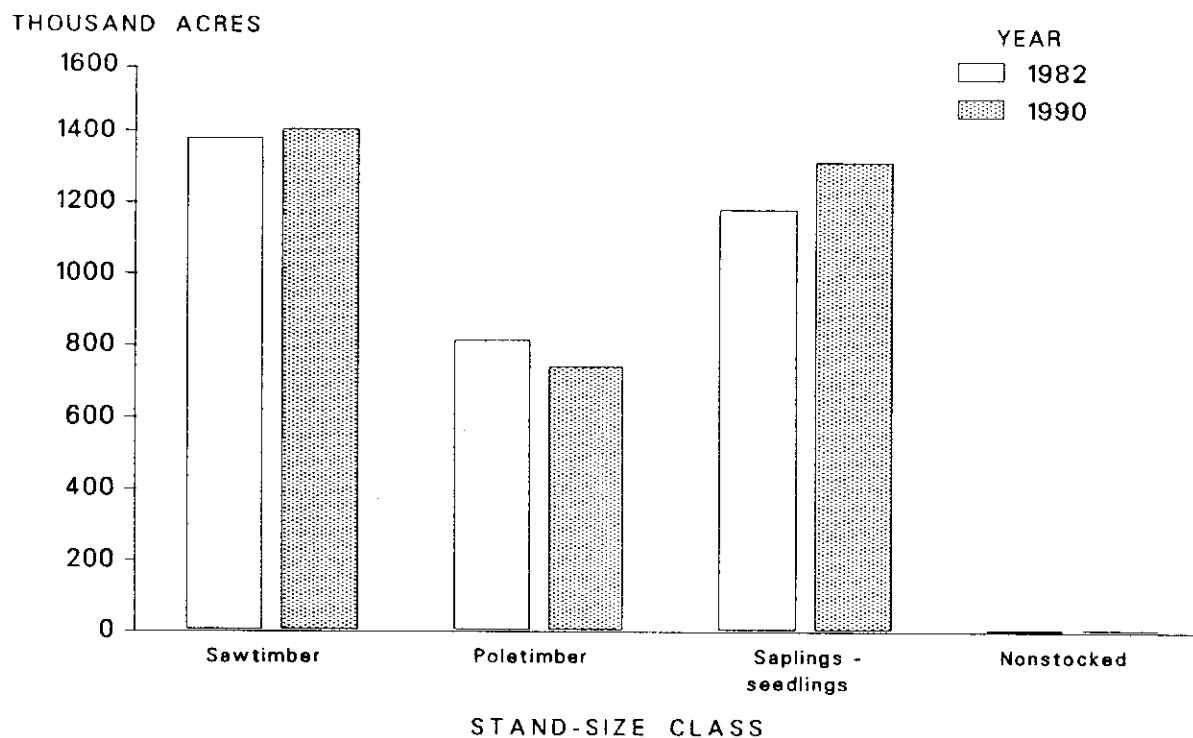


Figure 2.—Area of timberland by stand-size class, Southwest-North Alabama, 1982 and 1990.

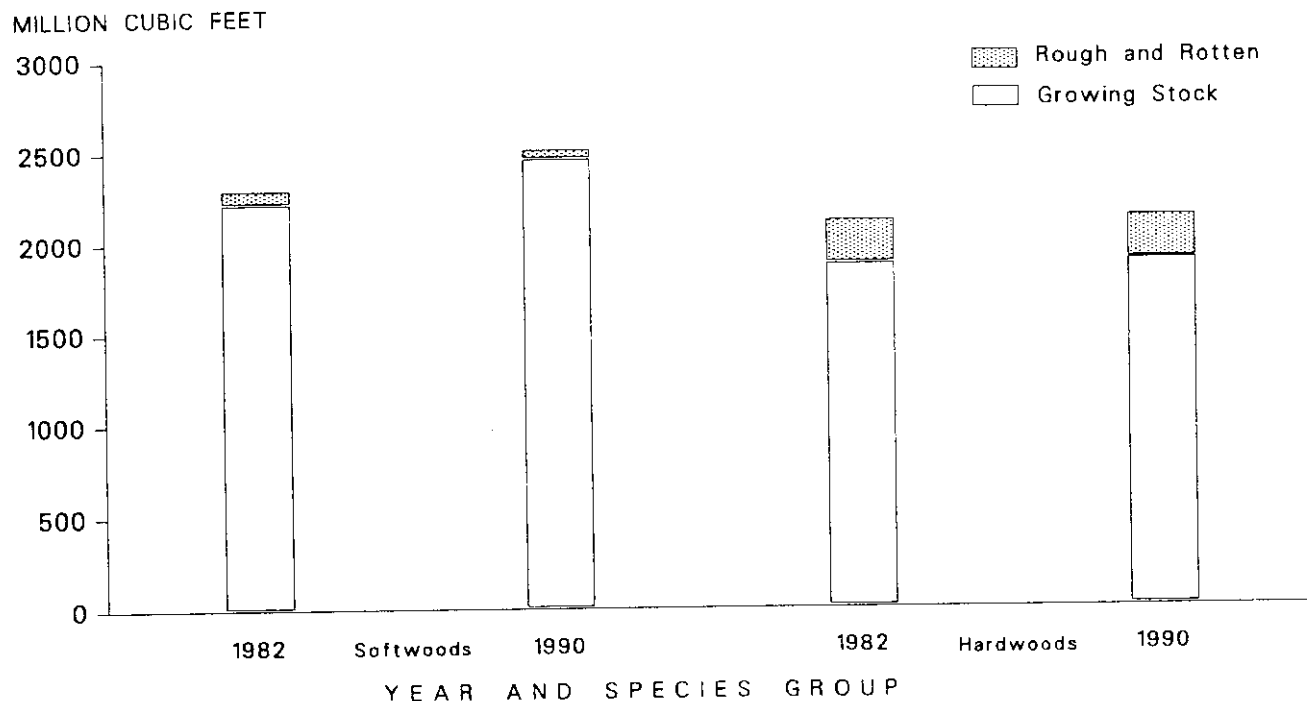


Figure 3.—Volume of live trees on timberland by species group and class of timber, Southwest-North Alabama, 1982 and 1990.

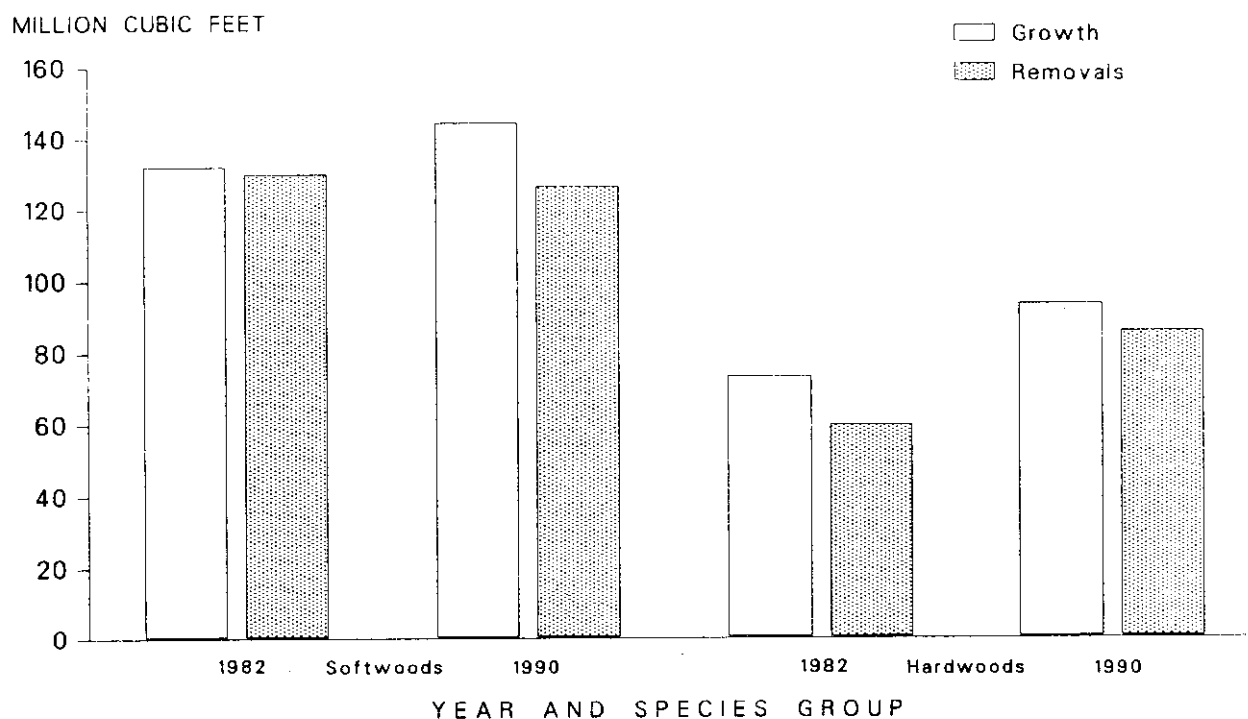


Figure 4.—Average net annual growth and average annual removals of live trees on timberland by species group, Southwest-North Alabama, 1982 and 1990.

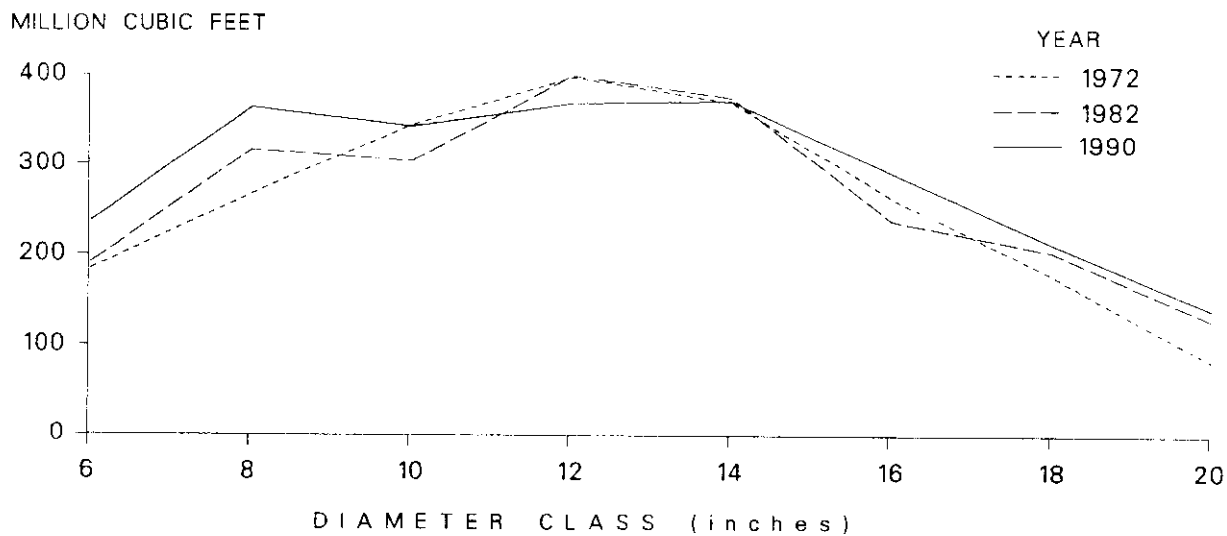


Figure 5.—Volume of live softwood trees on timberland by diameter class, Southwest-North Alabama, 1972, 1982 and 1990.

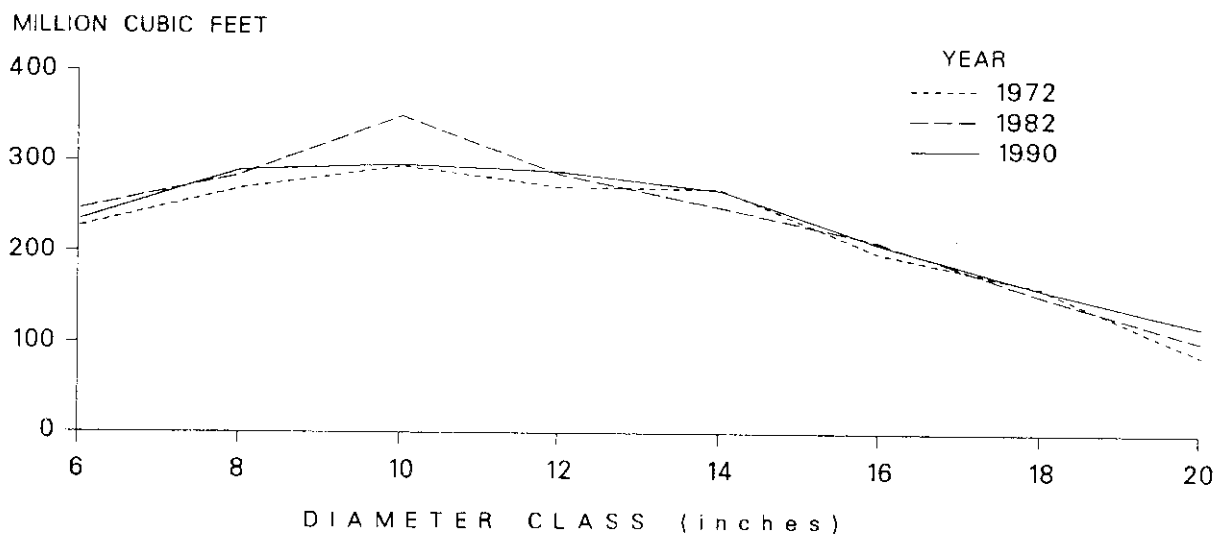


Figure 6.—Volume of live hardwood trees on timberland by diameter class, Southwest-North Alabama, 1972, 1982 and 1990.

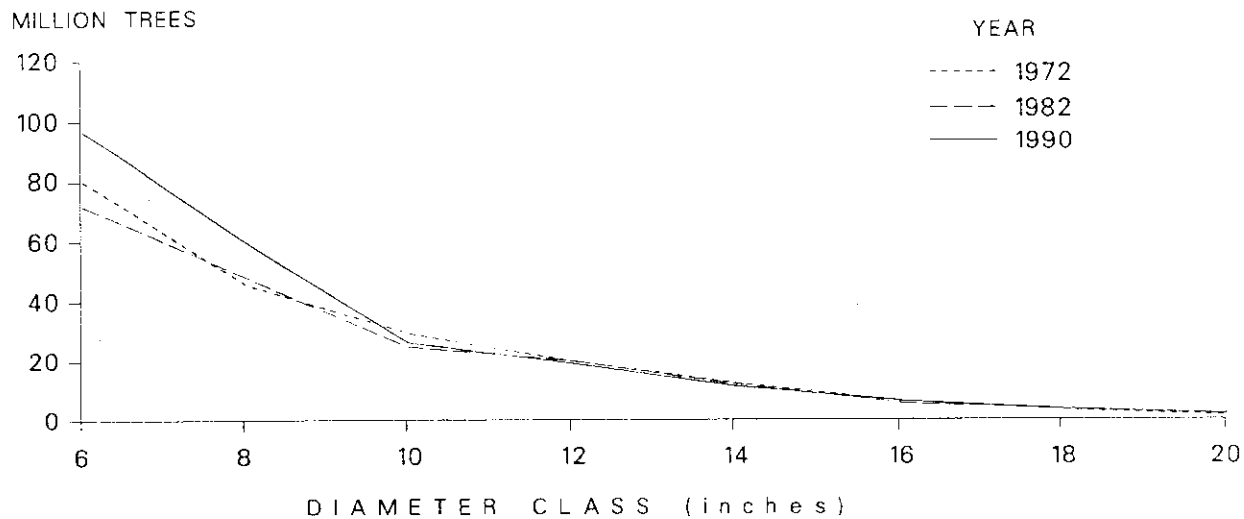


Figure 7.—Number of live softwood trees on timberland by diameter class, Southwest-North Alabama, 1972, 1982 and 1990.

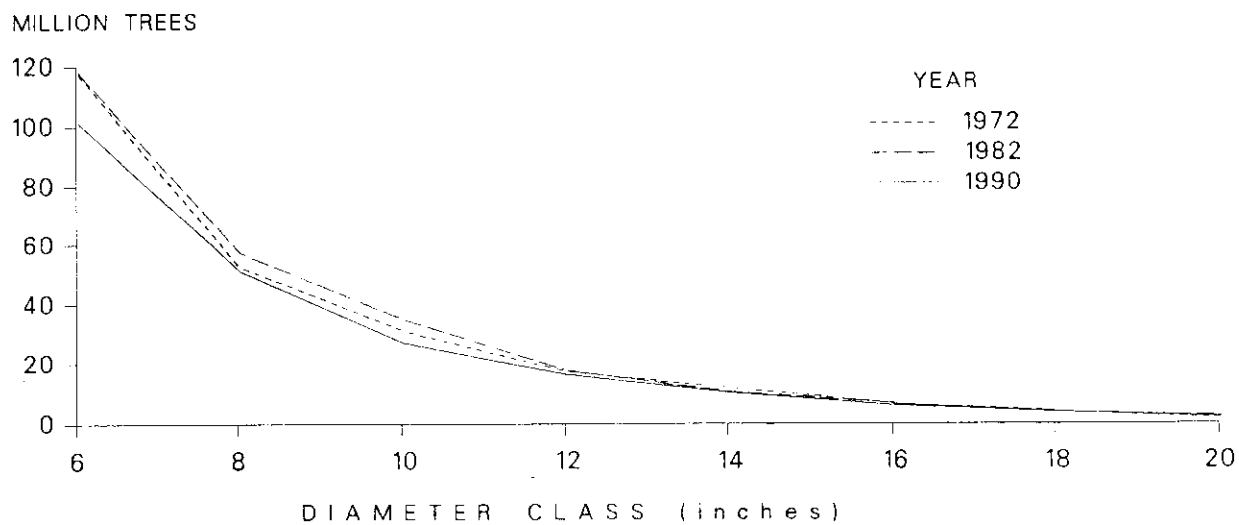


Figure 8.—Number of live hardwood trees on timberland by diameter class, Southwest-North Alabama, 1972, 1982 and 1990.

McWilliams, William H.; Miller, Patrick E.; Vissage, John S. 1990. Forest Statistics for Southwest-North Alabama Counties-1990. Resour. Bull. SO-153. New Orleans, LA: U. S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 30p.

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

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

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