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Forest Statistics for Alabama, 2000

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Foreword

This report highlights the principal findings of the seventh forest survey of Alabama. Field work began in May 1997 and was completed in April 2001. Six previous surveys, completed in 1936, 1953, 1963, 1972, 1982, and 1990, provide statistics for measuring changes and trends over the past 64 years. This report primarily emphasizes changes and trends since 1990.

Periodic surveys of forest resources are authorized by the Forest and Rangeland Renewable Resources Research Act of 1978. These surveys are a continuing, nationwide undertaking by the regional experiment stations of the U.S. Department of Agriculture, Forest Service. Inventories of the 13 Southern States (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia) and the Commonwealth of Puerto Rico are conducted by the Southern Research Station, Forest Inventory and Analysis Research Work Unit, operating from its headquarters in Knoxville, TN, and offices in Asheville, NC, and Starkville, MS. The primary objective of these surveys is to periodically inventory and evaluate all forest and related resources. These multiresource data help provide a basis for formulating forest policies and programs and for the orderly development and use of the resources. This report discusses the extent and condition of forest land, associated timber volumes, and rates of timber growth, mortality, and removals.

Additional information about any aspect of this survey may be obtained from:

USDA Forest Service
Southern Research Station
Forest Inventory and Analysis
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Acknowledgments

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Contents

[a] All tables in this report are available in Microsoft® Excel workbook files. Upon request, these files will be supplied on 3½-inch diskettes.

The use of trade or firm names in this publication is for reader information and does not imply endorsement by the U.S. Department of Agriculture of any product or service.

Figure 1—Forest survey regions in Alabama.

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Highlights

This report summarizes the results from a 2000 inventory of the forest resources of the State of Alabama (fig. 1). Current estimates of forest area, timberland area, timber volume, and related classifications such as ownership and forest type are presented. While comparisons are made with values from the previous inventory, methods for determining several key attributes such as volume, stocking, forest type, stand-size class, and site class have changed. The inventory plot design has changed since the previous survey. Changes in methods and plot design were made to increase consistency among Forest Inventory and Analysis Research Work Units (FIA). For comparisons in this report, growing stock and sawtimber volumes from the previous inventory have been recomputed using current methods.

Resource data are presented in 49 tables and 9 graphs. A summary of major findings follows.

Timberland area—The area classified as timberland in Alabama has increased 4.5 percent since 1990 to 22.9 million acres. Seven hundred and three thousand acres were diverted from timberland to other land uses, while 1.7 million acres were added from previously nonforest land uses, resulting in a net addition of 994,000 acres. Most of the diverted timberland was cleared for agriculture and urban-related land uses, with agriculture accounting for 32 percent and urban-related land uses representing 68 percent. Timberland covered 71 percent of the land area in Alabama.

Ownership—Nonindustrial private forest (NIPF) ownership increased 12 percent to 18.0 million acres. Within the NIPF group, corporate ownership increased 41 percent to 2.6 million acres and ownership by individuals increased 9 percent to 15.4 million acres. NIPF owners controlled 78 percent of the timberland in Alabama. Timberland owned by forest industry decreased 22 percent to 3.7 million acres. Public agencies controlled 1.2 million acres, or 5 percent of total timberland.

Forest type—Forest stands classified as hardwood forest types accounted for 46 percent of the timberland area. The area of hardwood stands increased 7 percent since 1990. The area of softwood stands rose 9 percent to 8.1 million acres, or 35 percent of the timberland area. The area of oak-pine stands decreased 7 percent to 4.2 million acres. Loblolly pine stands experienced a 21-percent increase during this time and accounted for 6.4 million acres of timberland across the State. Planted stands accounted for 24 percent of the timberland in 2000 compared to 18 percent in 1990.

Stand treatment—Harvesting and regeneration have been the predominant treatment and management activities in the timberland of the region since 1990. Final harvest occurred on 451,400 acres annually. Twenty-nine percent of these harvests were from oak-pine stands, 24 percent from upland hardwood stands, 25 percent from natural pine stands, 6 percent from lowland hardwood stands, and 16 percent from pine plantations. Reforestation and afforestation combined averaged 651,000 acres annually.

Softwood volume—Volume of softwood growing stock increased 9 percent to 12.7 billion cubic feet between 1990 and 2000. Softwood growing-stock volume increased 23 percent on public lands to 1.08 billion cubic feet and increased by 22 percent to 9.2 billion cubic feet on NIPF lands. Driven by the reduction in landholdings in the State, softwood volume on forest industry lands decreased 26 percent to 2.4 billion cubic feet. Loblolly pine was the predominate species at 8.6 billion cubic feet, an increase of 25 percent since 1990. Planted stands accounted for 35 percent of softwood inventory in 2000. The inventory of softwood sawtimber totaled about 44 billion board feet, an increase of 5 percent since 1990.

Hardwood volume—Volume of hardwood growing stock increased 17 percent to 15.2 billion cubic feet. Hardwood growing-stock volume increased 31 percent on public lands to 1.2 billion cubic feet, 25 percent on NIPF lands to 12.5 billion cubic feet, and decreased 31 percent on forest industry land to 1.4 billion cubic feet. Other red oaks were the predominate species group with 3.5 billion cubic feet. The inventory of hardwood sawtimber increased 33 percent to 45.7 billion board feet.

Growth—Net annual growth of softwood growing stock averaged 884 million cubic feet, an increase of 34 percent since the previous survey period. Softwood growth increased 91 percent on public lands, 36 percent on NIPF lands, and 25 percent on forest industry land. Planted stands accounted for half of the softwood growth.

Net annual growth of hardwood growing stock averaged 596 million cubic feet, an increase of 5 percent since the previous survey period. Hardwood growth increased 25 percent on public lands, and increased 12 percent on NIPF lands, but decreased 35 percent on forest industry lands.

Removals—Annual removals of softwood growing stock averaged 890 million cubic feet, an increase of 24 percent since the previous survey period. Sixty-seven percent of the softwood removals were from NIPF land, 30 percent from forest industry land, and 3 percent from public lands. Softwood removals exceeded softwood growth by 0.7 percent. Planted stands accounted for 30 percent of the softwood removals.

Annual removals of hardwood growing stock averaged 407 million cubic feet, an increase of 10 percent since the previous survey period. Eighty percent of hardwood removals were from NIPF land, 18 percent from forest industry land, and 2 percent from public land. Hardwood growth exceeded removals by 32 percent.

Mortality—The average annual mortality of growing stock has increased 40 percent to 276 million cubic feet since the previous survey period. Hardwood and softwood mortality has increased 33 percent and 45 percent, respectively.

Inventory Methods

The Southern Research Station's FIA unit secured data on forest acreage and timber volume using a three-step process. A forest-nonforest classification using aerial photographs was completed using a count of points representing approximately 230 acres each. These photo classifications then were adjusted based on ground observations at sample locations representing approximately 3,840 acres. Finally, field measurements were made at forest locations on the intersections of grid lines spaced approximately 3 miles apart.

The plot installed at each ground sample location was a cluster of four points spaced 120 feet apart. Each point served as the center of a 1/24-acre circular subplot used to sample trees 5.0 inches diameter at breast height (d.b.h.) and larger. A 1/300-acre microplot, located at the subplot center, was used to sample trees 1.0 to 4.9 inches d.b.h. and seedlings (trees less than 1.0 inch d.b.h.). These fixed-radius sample plots were established without regard to land use or land cover. Forest and nonforest condition classes were delineated and recorded on each plot. These condition classes were defined by six attributes: land use, forest type, stand origin, stand size, forest density, and major ownership class. The process of delineating a fixed-radius plot into numerous sections based on forest and land use conditions is called mapping. All trees tallied were assigned to their respective condition class. For conditions that were too small to have sufficient stocking, the field person assigned a forest type and stand size based on similar conditions outside the plot boundary. In all other cases, these classifications were derived using standard FIA algorithms.

The cluster of four fixed plots sampled timberland at 4,443 ground sample locations in the State. Estimates of timber volume and forest classifications were derived from tree measurements and classifications made at these locations. Volumes for individual tally trees were computed using equations for each of the major species in the survey unit. Previous surveys used deterministic measurements taken along the bole of each tree to compute individual tree volumes. Estimates of 1990 tree volumes were recomputed using the new equations. All comparisons of standing volume use these recomputed values. These recomputed volumes do not match previously published numbers.

Estimates of growth, removals, and mortality were determined from the remeasurement of 4,043 permanent sample plots established in the previous inventory. The plot design for the previous inventory was based on a cluster of 10 points. At each point, trees 5.0 inches d.b.h. and larger were selected for measurement on a variable-radius plot defined by a 37.5-factor prism. Trees less than 5.0 inches d.b.h. were tallied on a fixed-radius plot around points 1 through 3. Change estimates for the current survey were determined by remeasuring 5 of the 10 points from the previous survey. Any new trees that may have grown onto the plot during the inter survey period were not sampled. The new growth algorithms do not account for ongrowth and nongrowth of new trees.

Moving from a variable-radius prism point sampling scheme composed of 10 points in which all points were "rotated" into forest conditions if a point fell in a nonforest condition, to a fixed-plot design where all forest and nonforest conditions are mapped on the plot brought about changes in the way stocking and expansion factors are

estimated. Estimates of stocking are used in the computation of forest type and stand size. Expansion factors are used to bring plot and tree level estimates up to the population level. The exact impact these changes have on the survey is often debated and is currently being investigated. Therefore, because the sample design and methods of deriving stand parameters have changed since the 1990 Alabama survey, users should be aware of these changes and use caution when making rigorous comparisons between this and prior surveys.

Statistical Reliability

FIA inventories employ sampling methods designed to achieve reliable statistics at the survey unit and State levels. A measure of reliability of inventory statistics is provided by sampling errors. These sampling errors mean that the chances are two out of three that the true population value is within the limits indicated by a confidence interval. Sampling errors (in percent) and associated confidence intervals around the sample estimates for timberland area, inventory volumes, and components of change are presented in the following table.

Item	Sample estimate and confidence interval			Sampling error
				Percent
Timberland (*1,000 acres*)	22,925.8	±	71.9	0.31
All live (*M ft*^{3})				
Inventory	31,125.9	±	432.7	1.39
Net annual growth	1,613.5	±	27.9	1.73
Annual removals	1,378.7	±	40.9	2.97
Annual mortality	334.7	±	10.9	3.25
Growing stock (*M ft*^{3})				
Inventory	27,847.3	±	406.6	1.46
Net annual growth	1,480.3	±	26.3	1.78
Annual removals	1,297.0	±	38.9	3.00
Annual mortality	276.2	±	9.8	3.56
Sawtimber (*M fbm*)				
Inventory	89,644.1	±	1,837.7	2.05
Net annual growth	5,141.2	±	101.8	1.98
Annual removals	4,256.5	±	149.8	3.52
Annual mortality	888.9	±	39.5	4.44

Sampling error increases as the area or volume considered decreases in magnitude. Sampling errors and associated confidence intervals are often unacceptably high for small components of the total resource. Statistical confidence may be computed for any subdivision of survey unit or State totals using the following formula. Sampling errors obtained from this method are only approximations of reliability because this process assumes constant variance across all subdivisions of totals.

$$SE_s = SE_t \frac{\sqrt{X_t}}{\sqrt{X_s}},$$

where

SE_s = sampling error for subdivision of survey unit or State total,

SE_t = sampling error for survey unit or State total,

X_s = sum of values for the variable of interest (area or volume) for subdivision of survey unit or State,

X_t = total area or volume for survey unit or State.

For example, the estimate of sampling error of hardwood growing-stock volume on NIPF land is computed as:

$$SE_s = 1.33 \frac{\sqrt{27{,}847.3}}{\sqrt{12{,}509.9}} = 1.98.$$

Thus, the sampling error is 1.98 percent, and the resulting confidence interval (two times out of three) for softwood live-tree inventory on forestry industry land is 12,509.9 ± 247.7 million cubic feet.

County statistics are provided, but users are cautioned that the accuracy of individual county data is highly variable. Individual county statistics are provided so any combination of counties may be added together until the totals are large enough to meet the desired degree of reliability. Sampling errors for key resource items for individual counties are provided in the following table.

Sampling errors[a] by counties and State for timberland, live trees, growing stock, and sawtimber, Alabama, 2000

Counties and State	Timberland area	Live trees			Growing stock			Sawtimber		
		Volume	Growth	Removals	Volume	Growth	Removals	Volume	Growth	Removals
					Percent					
Autauga	2.5	14.1	18.9	26.3	14.6	19.5	26.5	23.2	25.5	29.7
Baldwin	1.9	9.5	10.1	21.1	10.1	10.8	19.3	13.1	14.2	23.2
Barbour	1.7	10.2	12.9	18.9	11.4	12.8	19.4	15.4	14.7	21.1
Bibb	2.3	9.5	9.2	34.0	9.9	9.3	34.4	15.8	10.0	46.6
Blount	2.9	16.8	14.1	27.2	17.8	15.4	27.6	25.2	20.9	27.9
Bullock	2.9	12.3	15.0	24.4	14.1	13.2	24.7	20.0	19.9	32.1
Butler	2.1	11.5	13.8	16.7	12.4	14.9	16.7	18.8	15.9	18.5
Calhoun	2.9	11.8	18.0	33.8	12.5	18.6	36.3	15.5	19.1	38.6
Chambers	3.1	11.5	11.9	17.2	11.7	12.6	17.3	16.3	13.1	20.4
Cherokee	2.3	11.8	19.5	29.7	13.1	21.4	29.5	19.7	20.9	38.6
Chilton	1.5	16.8	13.5	21.5	18.1	13.4	21.7	25.6	15.4	25.7
Choctaw	1.6	9.2	11.5	17.4	9.5	11.7	16.9	12.5	10.6	21.7
Clarke	1.1	6.6	9.7	14.7	6.9	7.8	14.6	8.9	8.4	17.2
Clay	2.7	11.5	17.1	28.9	12.3	18.7	31.3	19.9	14.4	38.9
Cleburne	2.1	8.6	13.0	27.6	9.2	12.8	28.5	12.1	13.2	29.5
Coffee	3.0	13.6	15.8	28.4	14.8	15.7	30.3	25.5	21.1	30.4
Colbert	2.3	13.5	25.4	25.8	14.4	27.4	26.2	18.8	16.7	28.0
Conecuh	2.4	11.0	12.9	20.0	11.5	13.8	20.3	17.2	15.2	21.0
Coosa	2.7	8.7	13.9	29.6	8.9	14.4	29.8	12.4	19.1	43.6
Covington	2.3	8.6	17.5	22.6	8.9	16.6	22.8	12.9	19.3	21.5
Crenshaw	2.3	10.4	14.0	21.4	10.8	13.9	21.7	16.5	15.0	22.9
Cullman	3.2	14.5	14.0	28.9	14.3	15.4	29.6	18.9	19.4	33.2
Dale	3.5	12.7	12.6	30.6	13.1	13.1	31.1	17.5	14.1	33.8
Dallas	2.4	8.8	12.4	23.6	9.5	12.9	23.7	14.3	13.8	32.1
De Kalb	3.2	10.4	17.2	48.5	10.7	15.3	49.0	14.1	15.1	48.1
Elmore	2.8	13.5	19.4	29.2	13.3	20.3	29.5	18.7	20.2	34.4
Escambia	1.9	10.2	11.4	14.2	10.3	11.4	14.3	11.5	12.5	17.1
Etowah	3.0	13.5	16.6	36.1	13.9	17.8	36.4	19.3	19.7	37.6
Fayette	2.1	12.5	13.9	23.8	13.0	14.7	23.7	18.7	17.4	26.4
Franklin	3.0	13.9	16.4	21.2	14.9	17.6	21.7	19.5	18.3	24.0
Geneva	3.6	14.6	21.7	41.5	15.2	23.3	42.6	21.9	30.7	45.6
Greene	2.9	12.5	19.2	28.8	13.5	19.5	29.3	17.0	16.8	34.5
Hale	2.9	12.6	14.6	23.9	13.3	14.0	24.7	16.0	14.0	28.0
Henry	3.0	14.3	17.8	25.8	14.8	17.9	26.2	18.3	19.3	27.0
Houston	3.0	13.7	20.9	64.5	15.0	20.7	66.0	22.5	25.2	56.5
Jackson	1.6	7.4	9.6	27.8	7.9	10.4	28.0	12.1	12.1	29.0
Jefferson	2.3	9.4	11.8	22.1	9.9	12.4	21.9	13.8	13.1	24.1
Lamar	2.6	14.4	13.6	22.6	15.0	14.1	23.1	18.5	16.8	29.2
Lauderdale	2.5	14.2	16.5	53.1	15.1	16.0	52.9	19.6	20.2	55.6
Lawrence	2.9	13.1	11.9	47.0	13.4	12.9	48.5	18.3	13.5	49.2
Lee	3.6	11.3	11.1	22.5	11.5	11.7	22.3	18.4	19.0	24.7
Limestone	2.9	14.6	14.9	51.0	15.6	14.9	53.9	20.8	15.6	55.8
Lowndes	2.6	12.8	20.3	22.3	13.7	22.0	22.5	21.0	18.4	27.9
Macon	2.6	10.0	18.0	29.0	10.6	19.2	28.5	15.3	19.5	36.7
Madison	1.8	11.6	17.4	48.6	13.0	17.9	48.2	17.7	20.8	55.6

continued

Sampling errors[a] by counties and State for timberland, live trees, growing stock, and sawtimber, Alabama, 2000 (continued)

Counties and State	Timberland area	Live trees			Growing stock			Sawtimber		
		Volume	Growth	Removals	Volume	Growth	Removals	Volume	Growth	Removals
		Percent								
Marengo	2.2	11.2	9.8	21.8	11.5	10.2	22.0	15.6	13.1	24.8
Marion	3.0	10.1	12.1	20.2	10.6	13.2	20.5	16.2	20.9	29.1
Marshall	2.8	13.1	12.8	40.2	13.8	13.2	40.7	18.1	15.0	47.2
Mobile	1.9	9.8	10.4	26.8	10.5	11.3	25.4	13.4	12.9	32.8
Monroe	1.7	9.0	7.7	17.6	9.2	8.1	18.1	12.3	10.5	21.7
Montgomery	3.1	13.0	23.0	30.5	14.6	22.9	30.9	19.9	26.5	34.9
Morgan	2.7	10.8	13.8	36.6	11.7	13.7	36.2	16.1	15.7	40.9
Perry	2.9	9.7	13.0	21.2	10.2	13.7	21.2	15.9	14.8	24.0
Pickens	2.2	11.8	11.2	15.4	11.9	11.3	15.8	16.3	12.6	18.2
Pike	2.8	12.0	12.6	22.5	13.3	14.5	23.5	22.7	17.2	28.3
Randolph	2.4	10.2	12.7	25.9	11.0	15.1	25.9	16.0	16.2	26.5
Russell	3.1	15.1	15.0	30.7	17.8	16.5	30.9	21.1	20.0	32.8
Shelby	2.5	9.9	10.7	25.9	10.6	11.3	26.4	13.5	13.9	32.4
St. Clair	3.1	10.8	13.7	22.2	10.6	13.6	22.5	13.8	15.7	25.5
Sumter	2.4	11.2	13.0	22.0	12.0	14.0	22.4	15.6	15.6	27.1
Talladega	2.5	11.6	10.8	24.1	12.1	11.7	25.3	17.6	15.7	27.6
Tallapoosa	2.2	11.3	12.1	17.7	11.6	12.8	17.8	16.8	15.3	22.1
Tuscaloosa	2.1	8.1	10.0	15.3	8.6	10.5	15.4	10.9	11.1	18.3
Walker	3.5	11.5	11.6	25.3	12.3	12.0	26.3	18.3	15.8	26.9
Washington	1.4	7.8	10.6	17.7	8.2	11.2	18.1	11.3	10.2	19.4
Wilcox	2.2	9.7	11.6	18.4	9.8	11.6	18.5	13.5	13.9	22.4
Winston	3.1	10.1	12.4	24.5	10.7	12.5	25.1	14.1	15.2	28.6
State	**0.3**	**1.4**	**1.7**	**3.0**	**1.5**	**1.8**	**3.0**	**2.1**	**2.0**	**3.5**

[a] By random-sampling formula.

Definitions

Afforestation. Area of land previously classified as nonforest that is converted to forest by planting trees or by natural reversion to forest.

Average annual mortality. Average annual volume of trees 5.0 inches d.b.h. and larger that died from natural causes during the intersurvey period.

Average annual removals. Average annual volume of trees 5.0 inches d.b.h. and larger removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use during the intersurvey period.

Average net annual growth. Average annual net change in volume of trees 5.0 inches d.b.h. and larger in the absence of cutting (gross growth minus mortality) during the intersurvey period.

Basal area. The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed in square feet per acre.

Biomass. The aboveground fresh weight of solid wood and bark in live trees 1.0 inch d.b.h. and larger from the ground to the tip of the tree. All foliage is excluded. The weight of wood and bark in lateral limbs, secondary limbs, and twigs under 0.5 inch in diameter at the point of occurrence on sapling-size trees is included but is excluded on poletimber and sawtimber-size trees.

Bole. That portion of a tree between a 1-foot stump and a 4-inch top d.o.b. in trees 5.0 inches d.b.h. and larger.

Census water. Streams, sloughs, estuaries, canals, and other moving bodies of water 200 feet wide and greater, and lakes, reservoirs, ponds, and other permanent bodies of water 4.5 acres in area and greater.

Commercial species. Tree species currently or potentially suitable for industrial wood products.

D.b.h. Tree diameter in inches (outside bark) at breast height (4.5 feet aboveground).

Diameter class. A classification of trees based on tree d.b.h. Two-inch diameter classes are commonly used by Forest Inventory and Analysis, with the even inch as the approximate midpoint for a class. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h.

D.o.b. (diameter outside bark). Stem diameter including bark.

Forest land. Land at least 10 percent stocked by forest trees of any size, or formerly having had such tree cover, and not currently developed for nonforest use. The minimum area considered for classification is 1 acre. Forested strips must be at least 120 feet wide.

Forest management type. A classification of timberland based on forest type and stand origin.

Pine plantation. Stands that (a) have been artificially regenerated by planting or direct seeding, (b) are classed as a pine or other softwood forest type, and (c) have at least 10 percent stocking.

Natural pine. Stands that (a) have not been artificially regenerated, (b) are classed as a pine or other softwood forest type, and (c) have at least 10 percent stocking.

Oak-pine. Stands that have at least 10 percent stocking and classed as a forest type of oak-pine.

Upland hardwood. Stands that have at least 10 percent stocking and classed as an oak-hickory or maple-beech-birch forest type.

Lowland hardwood. Stands that have at least 10 percent stocking with a forest type of oak-gum-cypress, elm-ash-cottonwood, palm, or other tropical.

Nonstocked stands. Stands less than 10 percent stocked with live trees.

Forest type. A classification of forest land based on the species forming a plurality of live-tree stocking. Major eastern forest-type groups are:

White-red-jack pine. Forests in which eastern white pine, red pine, or jack pine, singly or in combination, constitute a plurality of the stocking. (Common associates include hemlock, birch, and maple).

Spruce-fir. Forests in which spruce or true firs, singly or in combination, constitute a plurality of the stocking. (Common associates include maple, birch, and hemlock).

Longleaf-slash pine. Forests in which longleaf or slash pine, singly or in combination, constitute a plurality of the stocking. (Common associates include oak, hickory, and gum).

Loblolly-shortleaf pine. Forests in which loblolly pine, shortleaf pine, or other southern yellow pines, except longleaf or slash pine, singly or in combination, constitute a plurality of the stocking. (Common associates include oak, hickory, and gum).

Oak-pine. Forests in which hardwoods (usually upland oaks) constitute a plurality of the stocking but in which pines account for 25 to 50 percent of the stocking. (Common associates include gum, hickory, and yellow-poplar).

Oak-hickory. Forests in which upland oaks or hickory, singly or in combination, constitute a plurality of the stocking, except where pines account for 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include yellow-poplar, elm, maple, and black walnut).

Oak-gum-cypress. Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, constitute a plurality of the stocking, except where pines account for 25 to 50 percent, in which case the stand would be classified oak-pine. (Common associates include cottonwood, willow, ash, elm, hackberry, and maple).

Elm-ash-cottonwood. Forests in which elm, ash, or cottonwood, singly or in combination, constitute a plurality of the stocking. (Common associates include willow, sycamore, beech, and maple).

Maple-beech-birch. Forests in which maple, beech, or yellow birch, singly or in combination, constitute a plurality of the stocking. (Common associates include hemlock, elm, basswood, and white pine).

Nonstocked stands. Stands less than 10 percent stocked with live trees.

Forested tract size. The area of forest within the contiguous tract containing each Forest Inventory and Analysis sample plot.

Fresh weight. Mass of tree component at time of cutting.

Gross growth. Annual increase in volume of trees 5.0 inches d.b.h. and larger in the absence of cutting and mortality. (Gross growth includes survivor growth, ingrowth, growth on ingrowth, growth on removals before removal, and growth on mortality before death).

Growing-stock trees. Living trees of commercial species classified as sawtimber, poletimber, saplings, and seedlings. Trees must contain at least one 12-foot or two 8-foot logs in the saw-log portion, currently or potentially (if too small to qualify), to be classed as growing stock. The log(s) must meet dimension and merchantability standards to qualify. Trees must also have, currently or potentially, one-third of the gross board-foot volume in sound wood.

Growing-stock volume. The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem.

Hardwoods. Dicotyledonous trees, usually broadleaf and deciduous.

Soft hardwoods. Hardwood species with an average specific gravity of 0.50 or less, such as gums, yellow-poplar, cottonwoods, red maple, basswoods, and willows.

Hard hardwoods. Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and beech.

Industrial wood. All roundwood products except fuelwood.

Land area. The area of dry land and land temporarily or partly covered by water, such as marshes, swamps, and river floodplains (omitting tidal flats below mean high tide), streams, sloughs, estuaries, and canals less than 200 feet wide, and lakes, reservoirs, and ponds less than 4.5 acres in area.

Live trees. All living trees. All size classes, all tree classes, and both commercial and noncommercial species are included.

Log grade. A classification of logs based on external characteristics indicating quality or value.

Logging residues. The unused merchantable portion of growing-stock trees cut or destroyed during logging operations.

Net annual change. Increase or decrease in volume of live trees at least 5.0 inches d.b.h. Net annual change is equal to net annual growth minus average annual removals.

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

Nonforest land. Land that has never supported forests and land formerly forested where timber production is precluded by development for other uses.

Nonstocked stands. Stands less than 10 percent stocked with live trees.

Other forest land. Forest land other than timberland and productive reserved forest land. It includes available and reserved forest land which is incapable of producing annually 20 cubic feet per acre of industrial wood under natural conditions, because of adverse site conditions such as sterile soils, dry climate, poor drainage, high elevation, steepness, or rockiness.

Other removals. The growing-stock volume of trees removed from the inventory by cultural operations such as timber stand improvement, land clearing, and other changes in land use, resulting in the removal of the trees from timberland.

Ownership. The property owned by one ownership unit, including all parcels of land in the United States.

National forest land. Federal land that has been legally designated as national forests or purchase units, and other land under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III land.

Forest industry land. Land owned by companies or individuals operating primary wood-using plants.

Nonindustrial private forest (NIPF) land. Privately owned land excluding forest industry land.

Corporate. Owned by corporations, including incorporated farm ownerships.

Individual. All lands owned by individuals, including farm operators.

Other public. An ownership class that includes all public lands except national forests.

Miscellaneous Federal land. Federal land other than national forests.

State, county, and municipal land. Land owned by States, counties, and local public agencies or municipalities or land leased to these governmental units for 50 years or more.

Plant residues. Wood material generated in the production of timber products at primary manufacturing plants.

Coarse residues. Material, such as slabs, edgings, trim, veneer cores and ends, suitable for chipping.

Fine residues. Material, such as sawdust, shavings, and veneer chippings, not suitable for chipping.

Plant byproducts. Residues (coarse or fine) used in the manufacture of industrial products or for consumer use or as fuel.

Unused plant residues. Residues (coarse or fine) not used for any product, including fuel.

Poletimber-size trees. Softwoods 5.0 to 8.9 inches d.b.h. and hardwoods 5.0 to 10.9 inches d.b.h.

Primary wood-using plants. Industries receiving roundwood or chips from roundwood for the manufacture of products, such as veneer, pulp, and lumber.

Productive-reserved forest land. Forest land sufficiently productive to qualify as timberland but withdrawn from timber utilization through statute or administrative regulation.

Reforestation. Area of land previously classified as forest that is regenerated by planting trees or natural regeneration.

Rotten trees. Live trees of commercial species not containing at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of rot or missing sections, and with less than one-third of the gross board-foot tree volume in sound material.

Rough trees. Live trees of commercial species not containing at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, primarily because of roughness, poor form, splits, and cracks, and with less than one-third of the gross board-foot tree volume in sound material; and live trees of noncommercial species.

Roundwood (roundwood logs). Logs, bolts, or other round sections cut from trees for industrial or consumer uses.

Roundwood chipped. Any timber cut primarily for pulpwood, delivered to nonpulpmills, chipped, and then sold to pulpmills as residues, including chipped tops, jump sections, whole trees, and pulpwood sticks.

Roundwood products. Any primary product such as lumber, poles, pilings, pulp, or fuelwood, that is produced from roundwood.

Salvable dead trees. Standing or downed dead trees that were formerly growing stock and considered merchantable. Trees must be at least 5.0 inches d.b.h. to qualify.

Saplings. Live trees 1.0 to 5.0 inches d.b.h.

Saw log. A log meeting minimum standards of diameter, length, and defect, including logs at least 8 feet long, sound and straight, with a minimum diameter inside bark for softwoods of 6 inches (8 inches for hardwoods).

Saw-log portion. The part of the bole of sawtimber trees between a 1-foot stump and the saw-log top.

Saw-log top. The point on the bole of sawtimber trees above which a conventional saw log cannot be produced. The minimum saw-log top is 7.0 inches d.o.b. for softwoods and 9.0 inches d.o.b. for hardwoods.

Sawtimber-size trees. Softwoods 9.0 inches d.b.h. and larger and hardwoods 11.0 inches d.b.h. and larger.

Sawtimber volume. Growing-stock volume in the saw-log portion of sawtimber-size trees in board feet (International 1/4-inch rule).

Seedlings. Trees less than 1.0 inch d.b.h. and greater than 1 foot tall for hardwoods, greater than 6 inches tall for softwood, and greater than 0.5 inch in diameter at ground level for longleaf pine.

Select red oaks. A group of several red oak species composed of cherrybark, Shumard, and northern red oaks. Other red oak species are included in the "other red oaks" group.

Select white oaks. A group of several white oak species composed of white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks. Other white oak species are included in the "other white oaks" group.

Site class. A classification of forest land in terms of potential capacity to grow crops of industrial wood based on fully stocked natural stands.

Softwoods. Coniferous trees, usually evergreen, having leaves that are needles or scalelike.

Yellow pines. Loblolly, longleaf, slash, pond, shortleaf, pitch, Virginia, sand, spruce, and Table Mountain pines.

Other softwoods. Cypress, eastern redcedar, white-cedar, eastern white pine, eastern hemlock, spruce, and fir.

Stand age. The average age of dominant and codominant trees in the stand.

Stand origin. A classification of forest stands describing their means of origin.

Planted. Planted or artificially seeded.

Natural. No evidence of artificial regeneration.

Stand-size class. A classification of forest land based on the diameter class distribution of live trees in the stand.

Sawtimber stands. Stands at least 10 percent stocked with live trees, with half or more of total stocking in sawtimber and poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands. Stands at least 10 percent stocked with live trees, of which half or more of total stocking is in poletimber and sawtimber trees, and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands. Stands at least 10 percent stocked with live trees of which more than half of total stocking is saplings and seedlings.

Nonstocked stands. Stands less than 10 percent stocked with live trees.

Stocking. The degree of occupancy of land by trees, measured by basal area or the number of trees in a stand and spacing in the stand, compared with a minimum standard, depending on tree size, required to fully utilize the growth potential of the land.

Density of trees and basal area per acre required for full stocking

D.b.h. class	Trees per acre for full stocking	Basal area per acre
Seedlings	600	—
2	560	—
4	460	—
6	340	67
8	240	84
10	155	85
12	115	90
14	90	96
16	72	101
18	60	106
20	51	111

Timberland. Forest land capable of producing 20 cubic feet of industrial wood per acre per year and not withdrawn from timber utilization.

Timber products. Roundwood products and byproducts.

Tree. Woody plants having one erect perennial stem or trunk at least 3 inches d.b.h., a more or less definitely formed crown of foliage, and a height of at least 13 feet (at maturity).

Tree grade. A classification of the saw-log portion of sawtimber trees based on: (1) the grade of the butt log or (2) the ability to produce at least one 12-foot or two 8-foot logs in the upper section of the saw-log portion. Tree grade is an indicator of quality; grade 1 is the best quality.

Upper-stem portion. The part of the main stem or fork of sawtimber trees above the saw-log top to minimum top diameter 4.0 inches outside bark or to the point where the main stem or fork breaks into limbs.

Volume of live trees. The cubic-foot volume of sound wood in live trees at least 5.0 inches d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem.

Volume of saw-log portion of sawtimber trees. The cubic-foot volume of sound wood in the saw-log portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Metric Equivalents

1 acre = 4,046.86 square meters or 0.404686 hectare
1 cubic foot = 0.028317 cubic meter
1 inch = 2.54 centimeters or 0.0254 meter
Breast height = 1.4 meters above the ground
1 square foot = 929.03 square centimeters or 0.0929 square meter
1 square foot per acre basal area = 0.229568 square meter per hectare
1 pound = 0.454 kilogram
1 ton = 0.907 metric ton

Graphs

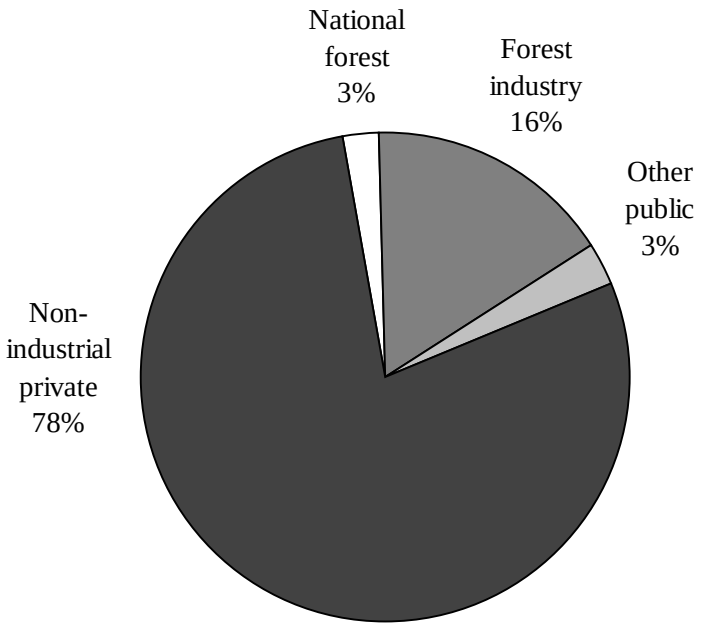

Figure 2—Distribution of timberland by ownership class, Alabama, 2000.

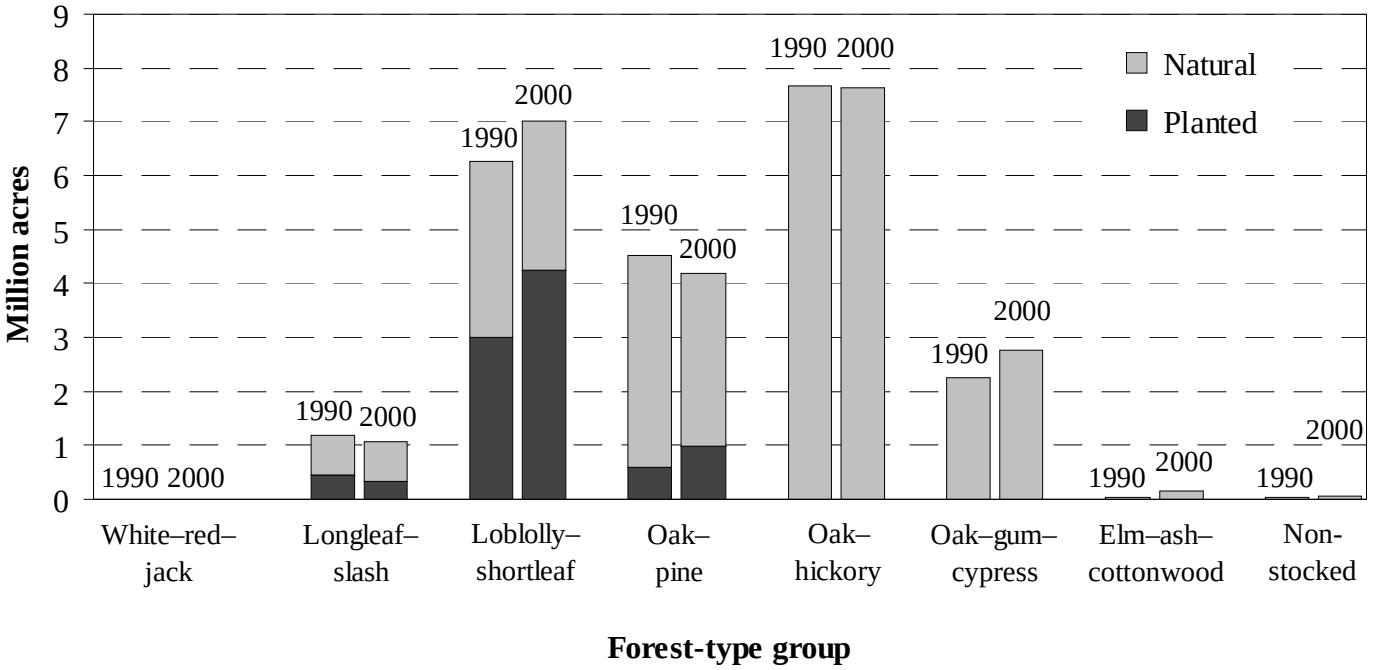

Figure 3—Area of timberland by forest-type group and stand origin, Alabama, 1990 and 2000.

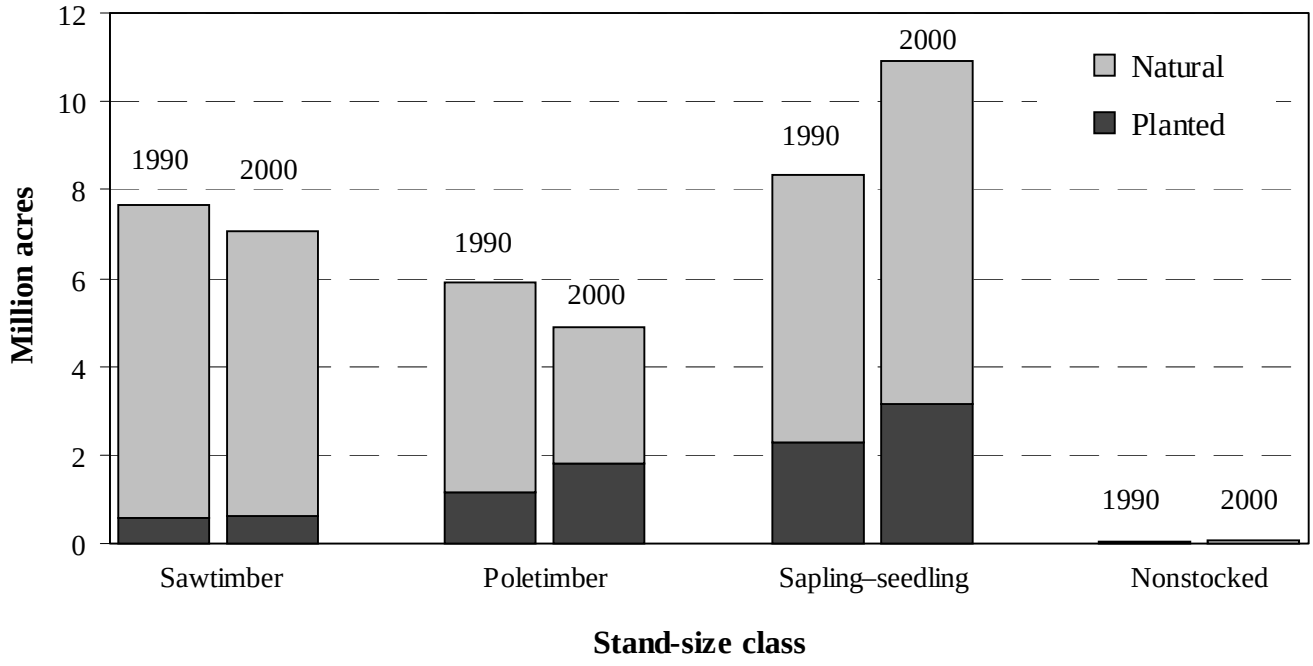

Figure 4—Area of timberland by stand-size class and stand origin, Alabama,1990 and 2000.

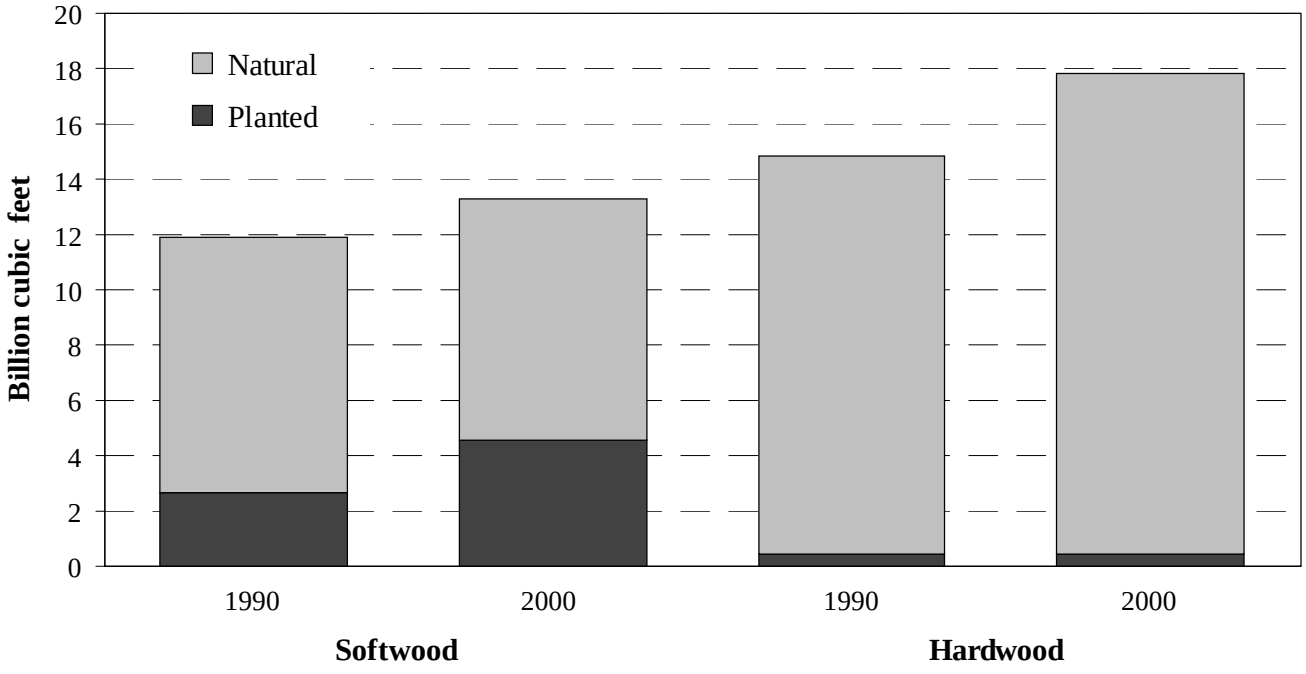

Figure 5—Volume of live trees on timberland by species group and stand origin, Alabama, 1990 and 2000.

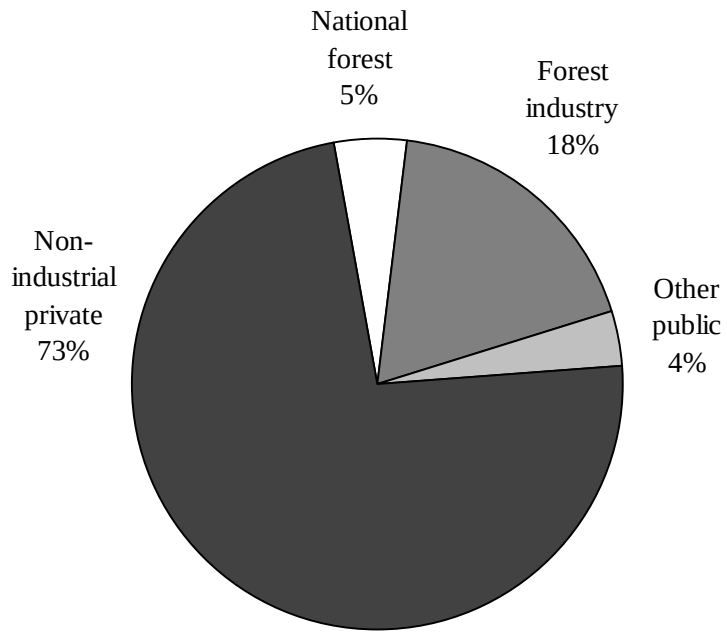

Figure 6—Distribution of softwood live tree volume by ownership class, Alabama, 2000.

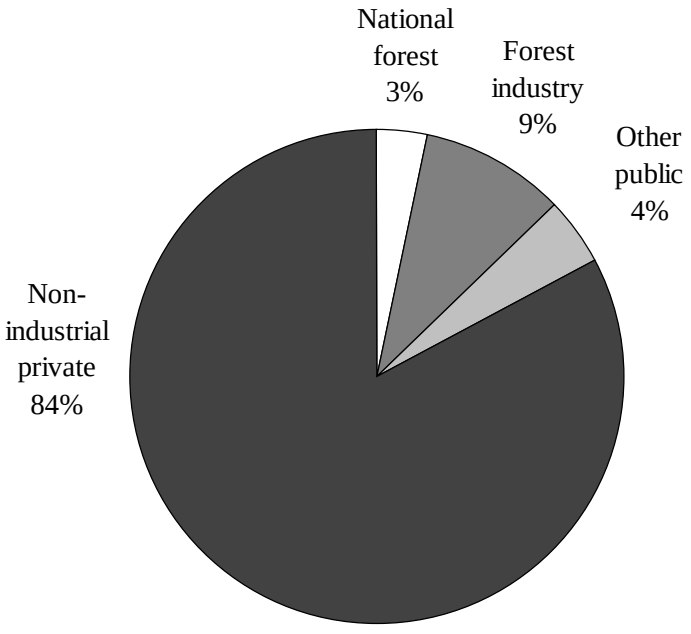

Figure 7—Distribution of hardwood live tree volume by ownership class, Alabama, 2000.

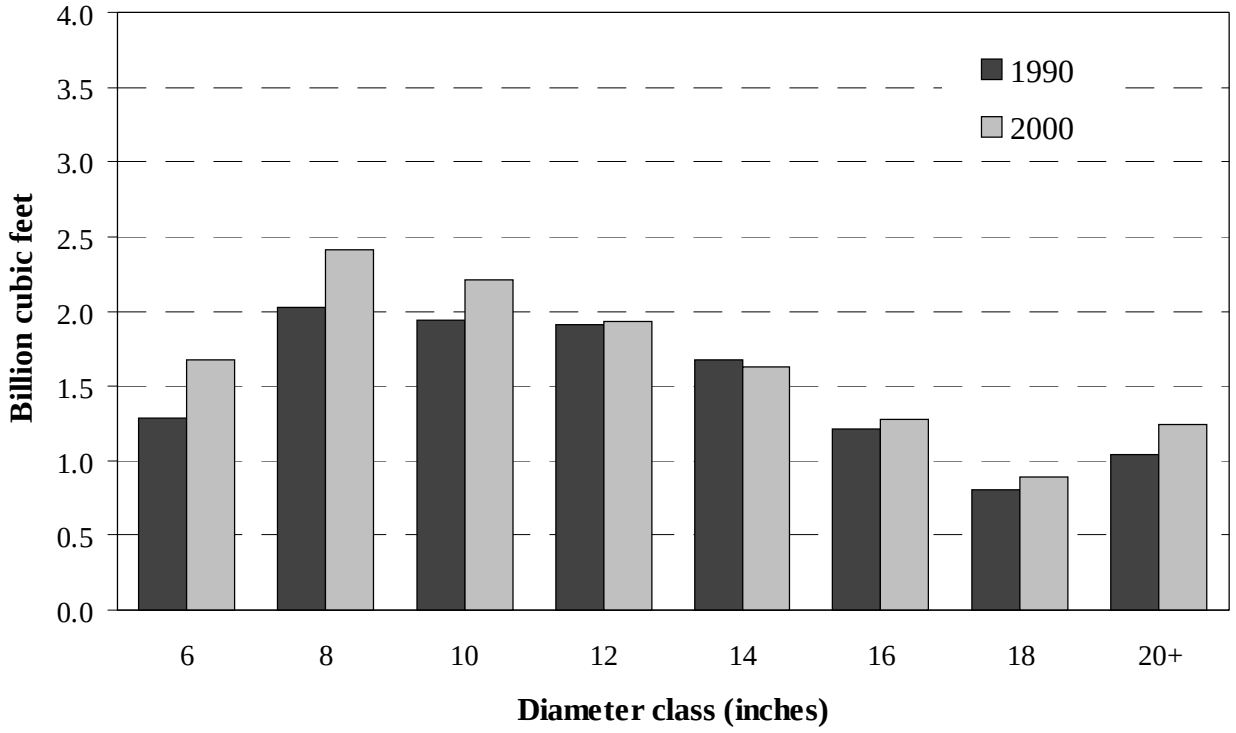

Figure 8—Volume of softwood live trees on timberland by diameter class, Alabama, 1990 and 2000.

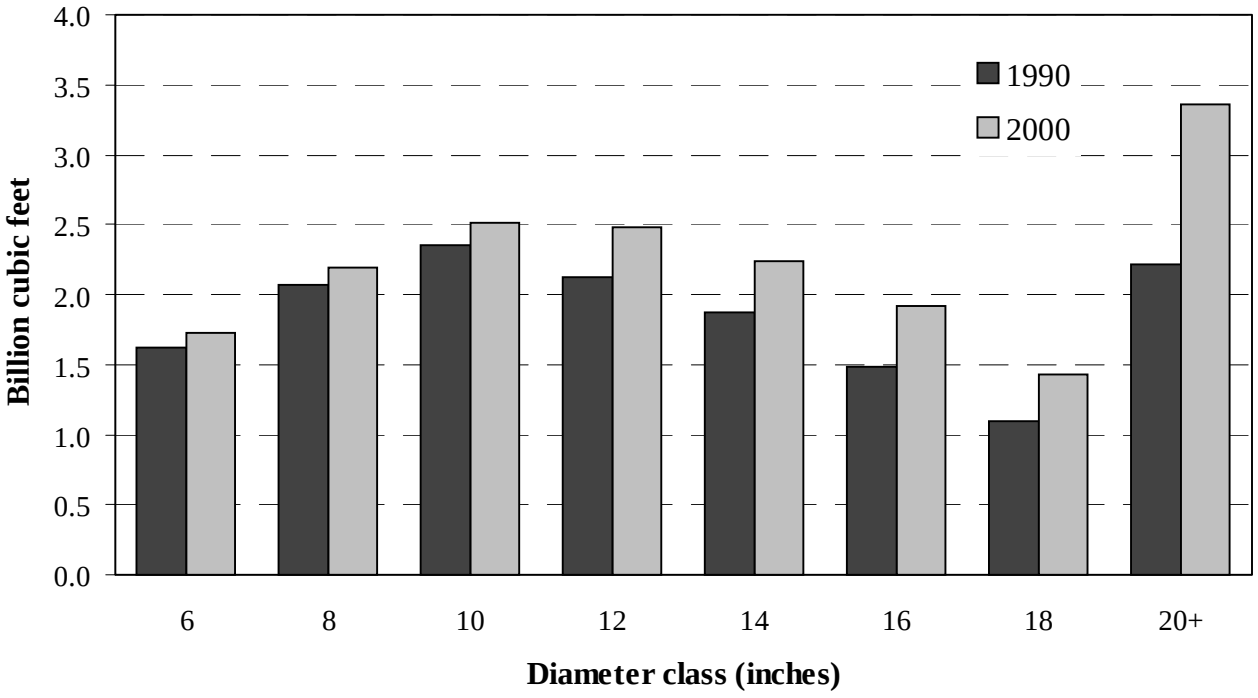

Figure 9—Volume of hardwood live trees on timberland by diameter class, Alabama, 1990 and 2000.

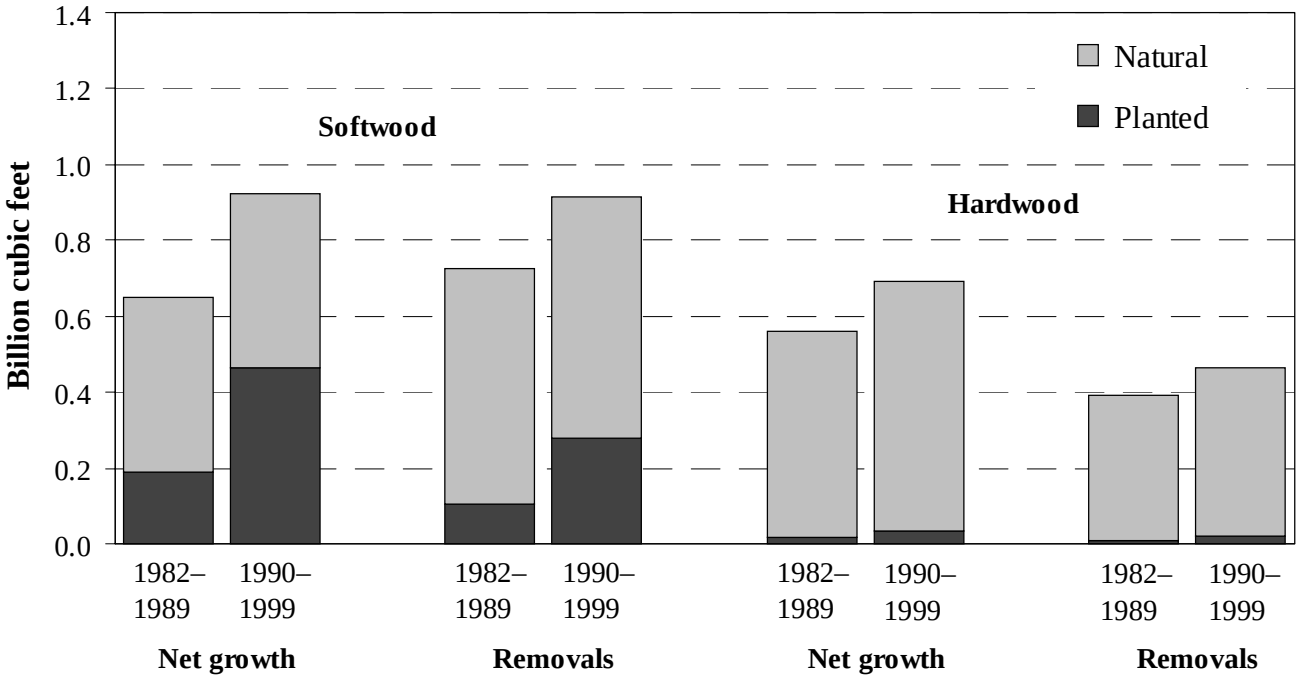

Figure 10—Average net annual growth and removals of live trees on timberland by species group and stand origin, Alabama, 1982–1989 and 1990–1999.

Cross Reference of Eastern Core Tables

Core table	Corresponding table number in this report	Core table	Corresponding table number in this report
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3	4	16	27
4	5	17	28
5	6	18	32, 34
6	7	19	35, 37
7	8	20	38
8	10	21	38
9	11	22	40
10	17	23	41
11	18	24	43
12	20	25	23
13	21		

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22. Volume of sawtimber on timberland by species and diameter class

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24. Volume of growing stock on timberland by county and species group

25. Volume of live trees on timberland by county and species group

26. Volume of sawtimber on timberland by county and species group

27. Volume of timber on timberland by class of timber and species group

28. Volume of live and growing-stock trees on timberland by ownership class and species group

29. Volume of sawtimber on timberland by ownership class, species group, and size class

30. Volume of growing stock on timberland by forest-type group, stand origin, and species group

31. Average basal area of live trees per acre on timberland by ownership class, species group, and d.b.h.

32. Average net annual growth of growing stock on timberland by county and species group

33. Average net annual growth of live trees on timberland by county and species group

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35. Average annual removals of growing stock on timberland by county and species group

36. Average annual removals of live trees on timberland by county and species group

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38. Average net annual growth and average annual removals of live trees, growing stock, and sawtimber on timberland by species

39. Average annual removals of growing stock on timberland by species and diameter class

40. Average annual mortality of live trees, growing stock, and sawtimber on timberland by species

41. Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group

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46. Fresh weight of live trees on timberland by ownership class, species group, and tree component

47. Area of timberland treated or disturbed annually and retained in timberland by treatment or disturbance and ownership class

48. Area of timberland treated or disturbed annually and retained in timberland by treatment or disturbance and forest management type

49. Area of timberland regenerated annually by type of regeneration and forest management type

Table 1—Land area by county and land class, Alabama, 2000

County	Total land area[a]	Forest land				Other land[b]
		Total forest	Productive			
			Timberland	reserved	Other	
	Thousand acres					
Autauga	381.4	283.0	283.0	—	—	98.5
Baldwin	1,021.8	674.2	671.4	—	2.8	347.6
Barbour	566.4	450.6	450.6	—	—	115.8
Bibb	398.3	345.5	345.5	—	—	52.8
Blount	413.2	236.3	236.3	—	—	176.9
Bullock	400.0	316.5	316.5	—	—	83.5
Butler	497.2	417.3	417.3	—	—	80.0
Calhoun	389.4	255.9	252.9	3.0	—	133.6
Chambers	382.3	319.2	319.2	—	—	63.2
Cherokee	354.0	233.8	230.3	3.5	—	120.2
Chilton	444.2	324.9	324.9	—	—	119.3
Choctaw	584.7	520.2	520.1	0.0	—	64.5
Clarke	792.6	724.9	724.9	—	—	67.7
Clay	387.3	319.1	311.9	7.2	—	68.1
Cleburne	358.5	310.4	304.4	6.0	—	48.1
Coffee	434.7	301.9	301.9	—	—	132.8
Colbert	380.5	227.2	225.5	1.6	—	153.4
Conecuh	544.6	469.5	469.5	—	—	75.0
Coosa	417.6	356.0	356.0	—	—	61.6
Covington	662.2	505.8	505.8	—	—	156.4
Crenshaw	390.2	321.7	321.7	—	—	68.5
Cullman	472.6	229.6	229.6	—	—	243.0
Dale	359.1	238.2	238.2	—	—	120.9
Dallas	627.7	421.7	421.7	0.0	—	206.1
De Kalb	497.9	241.8	235.4	6.3	—	256.1
Elmore	397.8	271.7	271.7	—	—	126.1
Escambia	606.4	458.8	458.8	—	—	147.5
Etowah	342.3	231.0	231.0	—	—	111.3
Fayette	401.8	333.6	333.6	—	—	68.2
Franklin	406.8	296.5	296.5	—	—	110.3
Geneva	368.9	203.6	203.6	—	—	165.2
Greene	413.4	284.3	284.3	—	—	129.1
Hale	412.0	263.1	263.1	—	—	148.9
Henry	359.6	224.5	224.5	—	—	135.2
Houston	371.5	166.1	166.1	—	—	205.4
Jackson	690.4	451.0	450.7	0.3	—	239.4
Jefferson	712.1	439.4	439.4	—	—	272.7
Lamar	387.1	314.6	314.6	—	—	72.5
Lauderdale	428.5	202.0	200.9	1.1	—	226.5
Lawrence	443.8	218.1	194.4	23.8	—	225.7
Lee	389.6	273.6	273.6	—	—	116.0
Limestone	363.6	109.6	108.9	0.7	—	254.0
Lowndes	459.5	306.3	306.3	—	—	153.2
Macon	390.8	307.3	307.3	—	—	83.4
Madison	515.2	180.9	180.9	—	—	334.3

continued

Table 1—Land area by county and land class, Alabama, 2000 (continued)

County	Total land area[a]	Forest land				Other land[b]
		Total forest	Productive			
			Timberland	reserved	Other	
	Thousand acres					
Marengo	625.4	452.4	452.4	—	—	172.9
Marion	474.5	365.9	365.9	—	—	108.7
Marshall	363.0	177.4	177.4	—	—	185.5
Mobile	789.4	531.8	531.8	—	—	257.6
Monroe	656.6	533.2	533.2	—	—	123.4
Montgomery	505.5	250.6	250.6	—	—	254.9
Morgan	372.6	175.7	175.2	0.5	—	196.9
Perry	460.5	357.0	357.0	—	—	103.5
Pickens	564.1	480.7	480.7	—	—	83.5
Pike	429.5	286.0	286.0	—	—	143.5
Randolph	371.9	289.5	289.5	—	—	82.4
Russell	410.3	309.4	309.4	—	—	101.0
Shelby	508.7	351.2	351.2	—	—	157.5
St. Clair	405.8	302.4	302.4	—	—	103.4
Sumter	579.2	430.8	430.8	—	—	148.4
Talladega	473.3	325.5	325.5	—	—	147.8
Tallapoosa	459.5	381.5	379.6	1.8	—	78.1
Tuscaloosa	848.2	659.6	659.6	—	—	188.6
Walker	508.4	354.0	354.0	—	—	154.4
Washington	691.7	610.2	610.2	—	—	81.5
Wilcox	568.8	468.4	468.4	—	—	100.4
Winston	393.3	316.1	310.1	6.0	—	77.1
Total	32,480.2	22,990.5	22,925.8	61.9	2.8	9,489.7

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] From the U.S. Bureau of the Census, 1990.

[b] Includes 171.8 thousand acres of water according to Forest Inventory and Analysis standards of area classification, but defined by the Bureau of the Census as land.

Table 2—Area of forest land by forest-type group and ownership class, Alabama, 2000

Forest-type group	All classes	Ownership class					
		National forest	Miscellaneous Federal	State	County and municipal	Forest industry	Nonindustrial private
				Thousand acres			
Longleaf–slash pine	1,074.1	130.3	5.7	38.2	16.6	136.3	747.0
Loblolly–shortleaf pine	7,023.3	93.6	42.0	59.2	22.2	1,923.8	4,882.4
Oak–pine	4,215.0	179.4	69.3	31.9	39.4	585.1	3,310.0
Oak–hickory	7,682.3	233.2	69.5	81.8	36.5	700.9	6,560.3
Oak–gum–cypress	2,771.4	14.0	87.7	22.2	7.3	346.4	2,293.8
Elm–ash–cottonwood	158.9	—	6.7	6.3	—	20.2	125.8
Nonstocked	65.5	—	0.4	1.1	—	27.6	36.3
Total	22,990.5	650.6	281.4	240.6	121.9	3,740.3	17,955.7

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 3—Area of timberland by county and ownership class, Alabama, 2000

County	All classes	Ownership class						
		National forest	Miscellaneous Federal	State	County and municipal	Forest industry	Nonindustrial private	
							Corporate	Individual
				Thousand acres				
Autauga	283.0	—	—	5.0	—	105.3	11.4	161.3
Baldwin	671.4	—	6.5	14.0	3.9	253.2	82.4	311.5
Barbour	450.6	—	10.7	13.8	—	76.2	—	349.8
Bibb	345.5	59.8	—	—	—	84.5	18.1	183.1
Blount	236.3	—	—	—	4.7	12.0	25.3	194.3
Bullock	316.5	—	—	—	—	51.6	—	264.9
Butler	417.3	—	—	—	4.2	172.2	13.6	227.3
Calhoun	252.9	20.5	38.4	11.2	—	48.0	6.4	128.4
Chambers	319.2	—	1.5	—	—	65.0	36.1	216.6
Cherokee	230.3	2.3	—	—	1.5	57.5	6.0	163.1
Chilton	324.9	22.8	—	—	—	60.3	4.4	237.4
Choctaw	520.1	—	4.1	—	—	90.5	84.4	341.1
Clarke	724.9	—	—	5.5	5.5	86.5	131.3	496.1
Clay	311.9	56.2	—	—	—	44.4	38.8	172.5
Cleburne	304.4	88.7	—	6.2	—	64.6	24.6	120.3
Coffee	301.9	0.0	6.8	—	—	32.5	30.7	231.8
Colbert	225.5	—	—	12.2	—	6.1	8.0	199.2
Conecuh	469.5	—	—	—	—	174.3	41.2	254.0
Coosa	356.0	—	—	—	—	100.0	33.6	222.4
Covington	505.8	52.1	—	—	—	30.2	106.0	317.6
Crenshaw	321.7	—	—	3.1	—	47.5	24.0	247.0
Cullman	229.6	—	—	—	—	12.6	39.3	177.7
Dale	238.2	—	34.5	—	1.4	8.6	5.7	187.9
Dallas	421.7	2.1	—	—	—	72.7	30.7	316.1
De Kalb	235.4	—	—	6.1	—	12.2	6.1	211.0
Elmore	271.7	—	—	6.0	—	30.5	10.2	225.1
Escambia	458.8	27.7	—	7.9	5.6	134.0	131.3	152.3
Etowah	231.0	—	—	—	6.2	—	—	224.8
Fayette	333.6	—	—	17.9	—	67.6	21.6	226.5
Franklin	296.5	1.2	5.4	—	—	64.8	28.5	196.6
Geneva	203.6	—	—	6.2	—	6.2	—	191.2
Greene	284.3	—	14.3	—	4.4	37.2	53.6	174.8
Hale	263.1	28.1	—	—	—	47.0	16.8	171.2
Henry	224.5	—	—	—	—	26.5	10.6	187.4
Houston	166.1	—	5.3	—	—	—	12.0	148.8
Jackson	450.7	—	22.9	14.2	—	37.4	34.0	342.3
Jefferson	439.4	—	—	4.3	21.5	—	234.1	179.5
Lamar	314.6	—	—	5.2	—	48.4	28.8	232.3
Lauderdale	200.9	—	—	—	—	12.0	—	189.0
Lawrence	194.4	64.9	3.8	—	—	1.3	5.0	119.4
Lee	273.6	—	—	—	5.9	39.7	—	228.0
Limestone	108.9	—	17.2	—	—	—	—	91.7
Lowndes	306.3	—	—	—	5.8	109.6	—	190.8
Macon	307.3	10.6	—	—	—	18.1	—	278.7
Madison	180.9	—	31.8	2.6	1.4	—	5.8	139.3

continued

Table 3—Area of timberland by county and ownership class, Alabama, 2000 (continued)

County	All classes	Ownership class						
		National forest	Miscellaneous Federal	State	County and municipal	Forest industry	Nonindustrial private	
							Corporate	Individual
				Thousand acres				
Marengo	452.4	—	—	—	—	66.3	101.0	285.1
Marion	365.9	—	—	—	1.2	85.7	12.9	266.1
Marshall	177.4	—	5.8	3.6	4.3	—	—	163.8
Mobile	531.8	—	—	22.7	21.6	47.5	145.4	294.6
Monroe	533.2	—	4.2	5.2	—	157.1	71.9	294.8
Montgomery	250.6	—	—	6.3	6.1	18.0	18.8	201.6
Morgan	175.2	—	13.3	—	—	—	—	161.9
Perry	357.0	32.4	—	—	—	60.5	18.5	245.6
Pickens	480.7	—	0.5	—	—	129.9	22.5	327.9
Pike	286.0	—	—	—	—	17.6	10.3	258.1
Randolph	289.5	—	—	—	5.1	12.6	12.6	259.2
Russell	309.4	—	18.0	—	2.8	59.3	12.0	217.3
Shelby	351.2	—	—	12.9	—	135.4	18.4	184.6
St. Clair	302.4	—	—	5.2	—	72.1	15.6	209.5
Sumter	430.8	—	6.2	6.2	—	35.2	123.0	260.3
Talladega	325.5	45.0	6.6	10.0	—	56.8	6.6	200.5
Tallapoosa	379.6	—	—	5.6	—	79.8	60.2	234.1
Tuscaloosa	659.6	10.5	—	16.1	—	128.8	114.1	390.0
Walker	354.0	—	—	—	8.9	5.0	144.7	195.3
Washington	610.2	—	—	0.3	—	17.7	148.4	443.9
Wilcox	468.4	—	4.9	5.4	—	64.8	37.5	355.9
Winston	310.1	79.5	—	—	—	41.5	65.4	123.8
Total	22,925.8	604.6	262.7	240.6	121.9	3,740.3	2,560.1	15,395.6

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 4—Area of timberland by county and forest-type group, Alabama, 2000

County	All groups	Forest-type group						
		Longleaf–slash	Loblolly–shortleaf	Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood	Nonstocked
		Thousand acres						
Autauga	283.0	6.5	122.4	34.7	98.1	19.9	—	1.4
Baldwin	671.4	172.0	112.2	111.6	79.5	175.5	14.3	6.4
Barbour	450.6	18.9	189.2	72.0	134.3	33.1	3.1	—
Bibb	345.5	27.1	129.9	101.4	72.8	14.3	—	—
Blount	236.3	—	55.4	82.2	88.2	6.0	1.5	3.0
Bullock	316.5	—	143.9	54.3	92.3	25.9	—	—
Butler	417.3	—	199.9	87.4	68.4	57.4	—	4.2
Calhoun	252.9	—	77.0	66.9	106.6	—	—	2.5
Chambers	319.2	—	154.6	45.2	113.1	6.4	—	—
Cherokee	230.3	—	66.8	58.7	94.2	10.5	—	—
Chilton	324.9	6.8	67.9	71.4	172.2	6.6	—	—
Choctaw	520.1	3.4	253.3	43.6	157.3	62.6	—	—
Clarke	724.9	3.4	283.3	133.4	185.6	118.0	—	1.1
Clay	311.9	12.6	62.8	72.3	162.8	1.4	—	—
Cleburne	304.4	9.2	97.8	60.0	134.4	3.0	—	—
Coffee	301.9	6.8	98.6	28.5	131.2	36.2	—	0.5
Colbert	225.5	—	26.5	31.3	140.1	21.5	6.1	—
Conecuh	469.5	6.3	176.8	97.1	116.2	64.6	—	8.6
Coosa	356.0	10.0	157.0	63.9	123.7	1.4	—	—
Covington	505.8	133.0	150.1	78.5	71.0	71.3	—	2.0
Crenshaw	321.7	6.1	92.2	65.5	96.5	61.4	—	—
Cullman	229.6	—	47.7	42.5	139.3	—	—	—
Dale	238.2	14.2	64.6	43.1	90.9	25.4	—	—
Dallas	421.7	—	132.2	57.2	123.5	101.0	3.2	4.6
De Kalb	235.4	—	62.2	33.5	137.9	—	1.9	—
Elmore	271.7	3.0	89.5	40.6	115.2	20.4	3.0	—
Escambia	458.8	213.6	109.2	36.3	47.4	46.8	—	5.6
Etowah	231.0	—	31.5	60.0	124.0	15.4	—	—
Fayette	333.6	—	124.4	52.0	115.0	26.6	15.5	—
Franklin	296.5	—	60.3	45.1	174.9	5.4	10.8	—
Geneva	203.6	20.1	39.6	15.6	49.9	72.2	6.2	—
Greene	284.3	—	69.4	47.3	72.3	95.3	—	—
Hale	263.1	5.4	88.9	32.6	82.1	54.1	—	—
Henry	224.5	9.3	65.3	45.9	78.8	19.9	5.3	—
Houston	166.1	22.1	26.8	31.4	29.6	50.1	6.0	—
Jackson	450.7	—	20.1	49.7	355.0	26.0	—	—
Jefferson	439.4	5.7	140.1	94.9	193.5	2.3	—	2.9
Lamar	314.6	—	67.8	86.4	100.6	57.7	2.1	—
Lauderdale	200.9	—	24.3	36.5	115.8	19.8	4.5	—
Lawrence	194.4	—	25.9	59.3	82.0	27.2	—	—
Lee	273.6	—	121.4	41.2	78.3	32.8	—	—
Limestone	108.9	—	—	6.3	58.9	39.0	4.7	—
Lowndes	306.3	—	114.7	53.8	66.4	59.7	11.6	—
Macon	307.3	3.3	112.7	57.2	62.6	71.5	—	—
Madison	180.9	—	7.2	26.0	96.7	38.2	12.7	—

continued

Table 4—Area of timberland by county and forest-type group, Alabama, 2000 (continued)

County	All groups	Forest-type group						
		Longleaf–slash	Loblolly–shortleaf	Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood	Nonstocked
				Thousand acres				
Marengo	452.4	—	154.9	103.4	106.4	81.8	5.9	—
Marion	365.9	—	170.1	38.2	149.1	5.9	2.6	—
Marshall	177.4	—	29.0	31.7	115.7	—	1.1	—
Mobile	531.8	180.5	58.8	110.9	71.0	99.5	—	11.0
Monroe	533.2	22.4	224.2	82.3	125.4	73.8	—	5.2
Montgomery	250.6	—	75.6	25.8	62.5	80.4	6.3	—
Morgan	175.2	—	25.8	24.9	82.0	42.5	—	—
Perry	357.0	9.5	136.7	79.2	88.3	42.9	—	0.4
Pickens	480.7	—	150.9	118.1	139.2	72.6	—	—
Pike	286.0	4.4	82.5	58.6	77.2	55.3	8.0	—
Randolph	289.5	—	81.0	66.8	136.1	5.6	—	—
Russell	309.4	—	134.6	50.8	88.3	35.6	—	—
Shelby	351.2	24.2	110.6	66.3	117.8	22.6	6.5	3.2
St. Clair	302.4	—	72.1	41.6	171.8	15.6	1.3	—
Sumter	430.8	—	153.9	76.1	84.2	110.3	5.7	0.4
Talladega	325.5	22.7	125.7	54.4	114.9	6.6	1.1	—
Tallapoosa	379.6	5.6	133.1	71.7	158.0	11.2	—	—
Tuscaloosa	659.6	3.8	221.1	159.0	188.3	84.8	2.6	—
Walker	354.0	—	112.5	54.8	181.7	5.0	—	—
Washington	610.2	82.3	105.8	168.3	85.8	167.7	—	0.3
Wilcox	468.4	—	200.1	97.5	130.7	34.8	5.4	—
Winston	310.1	—	91.8	59.0	144.7	12.5	—	2.1
Total	22,925.8	1,074.1	7,014.6	4,193.5	7,648.3	2,770.8	158.9	65.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 5—Area of timberland by county and stand-size class, Alabama, 2000

County	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked
		Thousand acres			
Autauga	283.0	57.3	84.9	139.4	1.4
Baldwin	671.4	163.0	140.5	361.4	6.4
Barbour	450.6	141.6	64.8	244.1	—
Bibb	345.5	132.4	98.1	115.0	—
Blount	236.3	72.2	48.0	113.1	3.0
Bullock	316.5	100.0	61.1	155.4	—
Butler	417.3	77.1	105.7	230.2	4.2
Calhoun	252.9	91.6	66.9	91.8	2.5
Chambers	319.2	79.1	89.8	150.2	—
Cherokee	230.3	70.0	78.2	82.1	—
Chilton	324.9	58.3	48.2	218.4	—
Choctaw	520.1	187.0	91.0	242.1	—
Clarke	724.9	290.3	107.1	326.4	1.1
Clay	311.9	64.5	70.9	176.5	—
Cleburne	304.4	125.7	57.8	120.8	—
Coffee	301.9	49.9	88.8	162.6	0.5
Colbert	225.5	73.3	59.7	92.6	—
Conecuh	469.5	88.5	113.9	258.6	8.6
Coosa	356.0	90.6	118.1	147.4	—
Covington	505.8	126.5	139.1	238.2	2.0
Crenshaw	321.7	82.5	96.9	142.3	—
Cullman	229.6	84.1	41.2	104.3	—
Dale	238.2	100.0	53.8	84.4	—
Dallas	421.7	141.5	95.3	180.3	4.6
De Kalb	235.4	88.0	79.8	67.7	—
Elmore	271.7	77.4	65.1	129.2	—
Escambia	458.8	130.9	59.9	262.5	5.6
Etowah	231.0	113.0	37.9	80.1	—
Fayette	333.6	77.1	71.5	185.1	—
Franklin	296.5	65.3	55.9	175.3	—
Geneva	203.6	56.0	61.1	86.6	—
Greene	284.3	115.5	48.2	120.6	—
Hale	263.1	107.9	34.1	121.1	—
Henry	224.5	60.7	30.2	133.6	—
Houston	166.1	73.1	54.9	38.0	—
Jackson	450.7	258.5	84.0	108.3	—
Jefferson	439.4	123.5	66.1	247.0	2.9
Lamar	314.6	65.0	58.3	191.3	—
Lauderdale	200.9	82.2	30.8	88.0	—
Lawrence	194.4	94.6	38.8	61.0	—
Lee	273.6	72.7	93.5	107.4	—
Limestone	108.9	64.6	15.2	29.0	—
Lowndes	306.3	52.1	83.4	170.8	—
Macon	307.3	118.8	70.1	118.5	—
Madison	180.9	118.1	23.5	39.3	—

continued

Table 5—Area of timberland by county and stand-size class, Alabama, 2000 (continued)

County	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked
		Thousand acres			
Marengo	452.4	140.2	50.4	261.9	—
Marion	365.9	79.0	85.8	201.0	—
Marshall	177.4	107.5	20.1	49.8	—
Mobile	531.8	148.0	90.5	282.2	11.0
Monroe	533.2	205.0	93.2	229.8	5.2
Montgomery	250.6	119.3	33.9	97.5	—
Morgan	175.2	97.9	28.7	48.6	—
Perry	357.0	87.0	105.3	164.4	0.4
Pickens	480.7	129.6	71.4	279.7	—
Pike	286.0	45.9	79.5	160.6	—
Randolph	289.5	32.4	98.6	158.4	—
Russell	309.4	83.0	54.5	171.8	—
Shelby	351.2	100.5	114.9	132.5	3.2
St. Clair	302.4	147.7	58.0	96.7	—
Sumter	430.8	134.4	76.1	219.9	0.4
Talladega	325.5	74.9	95.7	154.8	—
Tallapoosa	379.6	78.3	57.5	243.9	—
Tuscaloosa	659.6	207.4	95.1	357.2	—
Walker	354.0	102.7	68.5	182.8	—
Washington	610.2	160.3	149.3	300.3	0.3
Wilcox	468.4	113.0	101.4	254.1	—
Winston	310.1	105.3	72.8	130.0	2.1
Total	22,925.8	7,060.9	4,883.5	10,915.9	65.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 6—Area of timberland by county and site class, Alabama, 2000

County	All classes	Site class (cubic feet/acre/year)				
		20-49	50-84	85-119	120-164	>165
		Thousand acres				
Autauga	283.0	11.4	100.4	121.3	49.9	—
Baldwin	671.4	96.5	365.8	171.8	31.8	5.5
Barbour	450.6	19.9	124.1	169.5	126.2	10.7
Bibb	345.5	21.0	121.4	144.6	45.7	12.9
Blount	236.3	13.5	77.1	93.3	40.3	12.1
Bullock	316.5	8.7	59.3	131.9	105.0	11.6
Butler	417.3	13.3	50.4	198.8	121.1	33.7
Calhoun	252.9	6.5	111.4	101.0	34.1	—
Chambers	319.2	4.5	55.9	154.4	96.8	7.5
Cherokee	230.3	36.7	139.1	47.0	3.0	4.6
Chilton	324.9	17.3	129.2	139.3	33.3	5.8
Choctaw	520.1	7.2	75.9	202.7	184.8	49.6
Clarke	724.9	0.2	136.5	252.4	247.2	88.5
Clay	311.9	57.3	140.7	96.5	14.2	3.2
Cleburne	304.4	18.9	140.4	107.0	38.2	—
Coffee	301.9	6.8	71.2	182.8	41.1	0.0
Colbert	225.5	18.4	80.8	91.4	16.6	18.3
Conecuh	469.5	19.0	76.7	191.6	168.3	13.8
Coosa	356.0	36.5	164.9	111.3	39.0	4.3
Covington	505.8	9.4	207.8	246.8	29.8	12.1
Crenshaw	321.7	6.0	87.1	162.9	53.6	12.1
Cullman	229.6	4.7	60.1	128.3	20.8	15.7
Dale	238.2	17.2	40.1	131.3	38.1	11.5
Dallas	421.7	—	92.6	208.5	79.4	41.1
De Kalb	235.4	30.8	125.8	52.9	21.4	4.6
Elmore	271.7	4.6	100.5	89.2	69.2	8.2
Escambia	458.8	11.8	178.9	198.8	63.7	5.6
Etowah	231.0	6.9	48.5	163.0	5.8	6.9
Fayette	333.6	49.1	126.1	103.7	38.6	16.1
Franklin	296.5	13.5	148.6	77.5	51.5	5.4
Geneva	203.6	10.9	77.6	85.2	25.4	4.7
Greene	284.3	10.0	93.0	103.6	63.5	14.2
Hale	263.1	46.6	91.8	81.5	36.4	6.8
Henry	224.5	12.1	65.0	129.9	17.4	—
Houston	166.1	12.0	43.3	92.8	17.6	0.4
Jackson	450.7	97.2	210.0	91.8	40.7	11.0
Jefferson	439.4	8.6	131.2	178.1	75.1	46.3
Lamar	314.6	16.5	154.4	107.6	24.4	11.8
Lauderdale	200.9	33.1	105.2	58.4	4.3	—
Lawrence	194.4	27.2	89.4	57.3	20.4	—
Lee	273.6	11.2	130.2	71.9	53.0	7.3
Limestone	108.9	—	31.9	47.6	24.9	4.6
Lowndes	306.3	3.9	36.2	164.4	79.8	21.8
Macon	307.3	9.2	60.4	125.2	82.7	29.8
Madison	180.9	23.1	55.9	63.5	38.3	—

continued

Table 6—Area of timberland by county and site class, Alabama, 2000 (continued)

County	All classes	Site class (cubic feet/acre/year)				
		20-49	50-84	85-119	120-164	>165
		Thousand acres				
Marengo	452.4	13.4	66.6	207.1	126.2	39.1
Marion	365.9	30.5	138.1	132.9	58.7	5.7
Marshall	177.4	21.6	82.4	46.8	26.6	—
Mobile	531.8	85.4	299.5	109.9	32.9	4.0
Monroe	533.2	21.3	118.2	217.1	146.1	30.4
Montgomery	250.6	6.3	35.5	149.1	53.4	6.3
Morgan	175.2	20.4	69.8	50.0	35.0	—
Perry	357.0	4.7	78.5	188.6	73.3	11.8
Pickens	480.7	31.1	149.8	199.2	75.6	24.9
Pike	286.0	—	44.4	146.8	88.8	5.9
Randolph	289.5	16.8	119.4	101.6	38.3	13.5
Russell	309.4	15.1	101.4	141.3	51.5	—
Shelby	351.2	25.6	170.5	120.4	34.7	—
St. Clair	302.4	19.5	128.7	97.7	56.6	—
Sumter	430.8	11.9	56.4	227.9	114.6	20.0
Talladega	325.5	44.8	127.4	116.6	22.3	14.4
Tallapoosa	379.6	—	98.4	216.3	60.7	4.2
Tuscaloosa	659.6	67.3	279.9	170.9	93.9	47.6
Walker	354.0	18.9	82.6	181.2	70.1	1.3
Washington	610.2	30.3	240.1	233.3	106.5	—
Wilcox	468.4	14.7	72.7	206.3	146.5	28.1
Winston	310.1	9.1	98.1	124.2	62.0	16.7
Total	22,925.8	1,397.4	7,471.3	9,115.8	4,087.3	854.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 7—Area of timberland by county and stocking class of growing-stock trees, Alabama, 2000

County	All classes	Stocking class (percent)				
		<16.7	16.7-59	60-99	100-130	>130
		Thousand acres				
Autauga	283.0	2.8	31.4	70.5	116.0	62.2
Baldwin	671.4	21.5	102.8	185.6	188.3	173.3
Barbour	450.6	14.7	57.3	140.4	155.5	82.8
Bibb	345.5	7.8	36.7	97.7	96.6	106.7
Blount	236.3	7.4	31.9	62.4	89.7	44.9
Bullock	316.5	14.0	46.4	128.6	100.2	27.4
Butler	417.3	7.6	47.2	130.9	130.5	101.1
Calhoun	252.9	10.5	21.4	105.0	71.1	44.9
Chambers	319.2	7.7	25.9	89.7	92.3	103.6
Cherokee	230.3	5.1	35.3	96.1	74.6	19.2
Chilton	324.9	3.5	29.5	113.2	136.6	42.1
Choctaw	520.1	6.4	44.6	151.1	176.4	141.6
Clarke	724.9	13.2	57.0	232.3	266.5	155.9
Clay	311.9	5.5	25.7	96.5	126.6	57.5
Cleburne	304.4	3.5	28.4	89.7	149.1	33.7
Coffee	301.9	11.5	35.0	76.9	111.4	67.1
Colbert	225.5	10.8	22.9	112.4	59.6	19.8
Conecuh	469.5	13.6	49.1	113.8	190.1	102.9
Coosa	356.0	—	25.8	100.2	124.3	105.7
Covington	505.8	5.1	71.7	175.1	155.8	98.2
Crenshaw	321.7	7.3	11.5	67.6	152.1	83.2
Cullman	229.6	7.3	23.6	87.9	78.9	31.9
Dale	238.2	7.3	23.3	73.6	76.7	57.4
Dallas	421.7	6.8	68.8	133.8	127.1	85.2
De Kalb	235.4	1.7	43.7	115.5	60.8	13.7
Elmore	271.7	0.5	30.9	83.1	94.6	62.5
Escambia	458.8	15.2	45.6	90.3	170.9	136.8
Etowah	231.0	5.8	29.4	96.8	83.1	15.8
Fayette	333.6	3.2	30.8	116.7	96.9	86.0
Franklin	296.5	5.4	48.3	109.0	117.9	16.0
Geneva	203.6	16.9	32.3	63.4	70.7	20.4
Greene	284.3	1.6	38.5	84.8	99.1	60.4
Hale	263.1	17.0	32.2	64.6	83.7	65.6
Henry	224.5	7.4	32.7	70.4	85.0	29.0
Houston	166.1	1.5	26.6	55.6	58.6	23.7
Jackson	450.7	2.3	97.2	215.5	111.1	24.6
Jefferson	439.4	10.0	98.9	145.8	128.9	55.9
Lamar	314.6	0.4	35.6	103.5	88.3	86.9
Lauderdale	200.9	12.9	36.0	93.8	36.5	21.8
Lawrence	194.4	7.7	30.7	67.2	80.1	8.7
Lee	273.6	4.4	60.0	111.3	61.0	36.9
Limestone	108.9	1.8	7.0	67.7	31.1	1.4
Lowndes	306.3	11.4	56.3	72.8	106.1	59.6
Macon	307.3	1.9	62.3	120.3	63.5	59.5
Madison	180.9	7.2	31.2	76.9	52.6	13.0

continued

Table 7—Area of timberland by county and stocking class of growing-stock trees, Alabama, 2000 (continued)

County	All classes	Stocking class (percent)				
		<16.7	16.7-59	60-99	100-130	>130
		Thousand acres				
Marengo	452.4	11.5	48.2	137.2	155.8	99.7
Marion	365.9	5.0	40.8	109.1	128.7	82.3
Marshall	177.4	7.2	19.6	73.2	61.3	16.2
Mobile	531.8	35.3	107.0	194.7	115.4	79.3
Monroe	533.2	21.2	77.1	149.4	163.6	121.9
Montgomery	250.6	16.4	62.2	74.7	68.2	29.1
Morgan	175.2	6.0	20.4	64.3	68.3	16.3
Perry	357.0	15.8	58.8	99.7	104.6	78.0
Pickens	480.7	11.5	44.0	162.1	175.3	87.7
Pike	286.0	10.7	40.6	113.3	84.2	37.2
Randolph	289.5	9.5	25.5	80.1	112.3	62.1
Russell	309.4	8.6	38.2	88.0	118.6	56.0
Shelby	351.2	6.7	50.1	100.5	124.1	69.8
St. Clair	302.4	1.8	71.0	93.3	90.1	46.1
Sumter	430.8	24.9	62.6	89.3	133.8	120.3
Talladega	325.5	0.1	44.3	97.1	106.2	77.8
Tallapoosa	379.6	6.1	67.4	89.6	115.7	100.9
Tuscaloosa	659.6	10.1	55.0	216.3	247.2	130.9
Walker	354.0	5.3	56.2	99.2	143.3	50.0
Washington	610.2	3.1	80.1	201.3	173.3	152.4
Wilcox	468.4	5.0	34.0	148.6	156.1	124.7
Winston	310.1	10.0	35.7	95.3	123.6	45.5
Total	22,925.8	568.9	2,998.5	7,332.1	7,596.1	4,430.2

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 8—Area of timberland by forest-type group, stand origin, and ownership class, Alabama, 2000

Forest-type group and stand origin	All classes	Ownership class			
		National forest	Other public	Forest industry	Nonindustrial private
	Thousand acres				
Softwood types					
Longleaf–slash pine					
Planted	341.3	11.5	16.7	98.4	214.8
Natural	732.8	118.9	43.7	37.9	532.2
Total	1,074.1	130.3	60.5	136.3	747.0
Loblolly–shortleaf pine					
Planted	4,235.3	16.7	29.3	1,669.9	2,519.4
Natural	2,779.2	71.0	91.4	253.9	2,363.0
Total	7,014.6	87.7	120.7	1,923.8	4,882.4
Total softwoods	8,088.7	218.0	181.1	2,060.1	5,629.5
Hardwood types					
Oak–pine					
Planted	990.0	16.2	12.2	317.1	644.5
Natural	3,203.5	145.3	124.8	267.9	2,665.5
Total	4,193.5	161.4	137.1	585.1	3,310.0
Oak–hickory	7,648.3	211.1	176.0	700.9	6,560.3
Oak–gum–cypress	2,770.8	14.0	116.6	346.4	2,293.8
Elm–ash–cottonwood	158.9	—	12.9	20.2	125.8
Total hardwoods	14,771.6	386.6	442.6	1,652.5	12,290.0
Nonstocked	65.5	—	1.6	27.6	36.3
All groups	22,925.8	604.6	625.3	3,740.3	17,955.7

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 9—Area of timberland by forest-type group, detailed forest type, and ownership class, Alabama, 2000

Forest-type group and detailed forest type	All classes	Ownership class: National forest	Other public	Forest industry	Nonindustrial private
		Thousand acres			
Softwood types					
Longleaf–slash					
Longleaf pine	577.0	111.4	51.2	36.0	378.4
Slash pine	497.1	18.9	9.3	100.3	368.6
Total	1,074.1	130.3	60.5	136.3	747.0
Loblolly–shortleaf					
Loblolly pine	6,362.4	70.5	87.6	1,887.4	4,316.9
Shortleaf pine	278.6	4.1	12.5	7.7	254.3
Virginia pine	310.6	13.0	14.9	28.7	254.0
Eastern redcedar	57.2	—	—	—	57.2
Spruce pine	5.7	—	5.7	—	—
Total	7,014.6	87.7	120.7	1,923.8	4,882.4
Total softwoods	8,088.7	218.0	181.1	2,060.1	5,629.5
Hardwood types					
Oak–pine					
White pine–n. red oak–white ash	3.8	3.8	—	—	—
Eastern redcedar–hardwood	103.9	5.6	4.3	—	94.0
Longleaf pine–scrub oak	214.9	39.8	10.6	16.9	147.6
Shortleaf pine–oak	415.3	20.9	18.2	46.1	330.0
Virginia pine–s. red oak	184.7	16.1	8.9	14.0	145.7
Loblolly pine–hardwood	2,974.1	69.0	73.3	463.1	2,368.7
Slash pine–hardwood	200.5	2.9	10.7	30.6	156.3
Other oak–pine	96.4	3.4	10.9	14.3	67.8
Total	4,193.5	161.4	137.1	585.1	3,310.0
Oak–hickory					
Post oak–black oak	85.6	—	1.8	6.1	77.7
Chestnut oak	255.6	25.2	21.0	28.0	181.3
White oak–red oak–hickory	831.2	35.8	29.3	84.0	682.1
White oak	46.9	8.5	—	0.5	38.0
Yellow-poplar–white oak–n. red oak	215.3	11.9	11.6	24.3	167.5
Southern scrub oak	40.4	2.2	—	11.2	27.0
Sweetgum–yellow-poplar	1,077.3	5.8	4.5	110.8	956.3
Mixed hardwood	5,096.1	121.7	107.7	436.1	4,430.5
Total	7,648.3	211.1	176.0	700.9	6,560.3
Oak–gum–cypress					
Swamp chestnut oak–cherrybark oak	87.0	—	5.3	7.3	74.4
Sweetgum–water oak–willow oak	1,251.6	3.2	66.1	124.3	1,058.0
Sugarberry–elm–green ash	371.0	—	20.0	48.0	303.0
Overcup oak–water hickory	47.9	—	0.3	18.0	29.6
Atlantic white-cedar	3.9	—	—	3.9	—
Cypress–water tupelo	208.6	4.6	11.6	29.0	163.5
Sweetbay–blackgum–red maple	800.9	6.3	13.3	116.0	665.3
Total	2,770.8	14.0	116.6	346.4	2,293.8
Elm–ash–cottonwood					
River birch–sycamore	67.9	—	12.9	—	54.9
Cottonwood	6.5	—	—	—	6.5
Willow	52.1	—	—	11.7	40.5
Sycamore–pecan–elm	32.5	—	—	8.5	24.0
Total	158.9	—	12.9	20.2	125.8
Total hardwoods	14,771.6	386.6	442.6	1,652.5	12,290.0
Nonstocked	65.5	—	1.6	27.6	36.3
All groups	22,925.8	604.6	625.3	3,740.3	17,955.7

Numbers in rows and columns may not sum to totals due to rounding.
A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 10—Area of timberland by ownership and stocking classes of growing-stock trees, Alabama, 2000

Ownership class	All classes	Stocking class (percent)				
		<16.7	16.7-59	60-99	100-130	>130
		Thousand acres				
National forest	604.6	5.6	49.5	235.8	224.0	89.6
Other public	625.3	14.8	100.5	276.3	170.4	63.3
Forest industry	3,740.3	80.8	360.9	859.6	1,375.4	1,063.7
Nonindustrial private	17,955.7	467.7	2,487.6	5,960.4	5,826.4	3,213.6
All ownerships	22,925.8	568.9	2,998.5	7,332.1	7,596.1	4,430.2

Numbers in rows and columns may not sum to totals due to rounding.

Table 11—Area of timberland by forest-type group, stand origin, and stand-size class, Alabama, 2000

Forest-type group and stand origin	All classes	Stand-size class			
		Sawtimber	Poletimber	Sapling-seedling	Nonstocked
		Thousand acres			
Softwood types					
Longleaf–slash pine					
Planted	341.3	50.6	155.9	134.8	—
Natural	732.8	302.0	110.1	320.7	—
Total	1,074.1	352.6	266.0	455.5	—
Loblolly–shortleaf pine					
Planted	4,235.3	518.9	1,571.0	2,145.4	—
Natural	2,779.2	1,239.5	420.2	1,119.5	—
Total	7,014.6	1,758.5	1,991.2	3,264.9	—
Total softwoods	8,088.7	2,111.1	2,257.2	3,720.4	—
Hardwood types					
Oak–pine					
Planted	990.0	37.8	84.3	867.9	—
Natural	3,203.5	1,098.2	558.8	1,546.4	—
Total	4,193.5	1,136.1	643.1	2,414.3	—
Oak–hickory	7,648.3	2,422.8	1,386.3	3,839.2	—
Oak–gum–cypress	2,770.8	1,331.5	585.6	853.7	—
Elm–ash–cottonwood	158.9	59.4	11.3	88.2	—
Total hardwoods	14,771.6	4,949.8	2,626.3	7,195.5	—
Nonstocked	65.5	—	—	—	65.5
All groups	22,925.8	7,060.9	4,883.5	10,915.9	65.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 12—Area of timberland by stand-age class and forest management type, all ownerships, Alabama, 2000

Stand-age class	All types	Forest management type					
		Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
Years				*Thousand acres*			
0-10	6,344.4	1,936.3	599.0	1,205.9	2,090.4	455.9	56.8
11-20	3,450.3	1,726.2	375.3	387.4	693.0	264.5	3.9
21-30	2,515.3	660.2	499.3	505.9	599.2	248.1	2.6
31-40	2,365.3	173.7	488.3	529.0	781.8	392.0	0.5
41-50	3,314.7	48.5	674.5	738.2	1,188.5	665.0	—
51-60	2,321.4	19.2	477.8	448.5	954.5	421.0	0.3
61-70	1,295.1	12.5	252.8	194.3	611.0	223.2	1.4
71-80	689.5	—	93.6	111.7	349.8	134.4	—
81+	629.7	—	51.3	72.6	380.1	125.7	—
All classes	22,925.8	4,576.7	3,512.0	4,193.5	7,648.3	2,929.8	65.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 13—Area of timberland by stand-age class and forest management type, public ownerships, Alabama, 2000

Stand-age class	All types	Forest management type					
		Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
Years				*Thousand acres*			
0-10	135.3	13.1	16.4	36.0	51.9	16.4	1.6
11-20	62.8	12.2	23.5	16.9	6.3	4.0	—
21-30	85.5	24.1	24.8	19.0	8.3	9.3	—
31-40	100.7	13.0	8.9	49.5	12.1	17.3	—
41-50	178.6	0.6	54.8	33.1	55.5	34.6	—
51-60	230.5	11.3	82.2	60.6	57.0	19.5	—
61-70	206.4	—	62.5	45.9	80.8	17.2	—
71-80	147.2	—	29.9	25.5	76.3	15.4	—
81+	82.9	—	22.1	12.1	39.0	9.8	—
All classes	1,229.8	74.2	324.9	298.5	387.1	143.5	1.6

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 14—Area of timberland by stand-age class and forest management type, forest industry ownerships, Alabama, 2000

Stand-age class	All types	Forest management type: Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
Years				*Thousand acres*			
0-10	1,456.2	814.2	71.3	225.9	242.9	77.5	24.3
11-20	811.1	636.1	15.1	66.8	47.8	41.9	3.3
21-30	472.3	267.8	16.9	103.0	60.3	24.3	—
31-40	279.8	39.4	74.2	64.4	82.3	19.5	—
41-50	244.0	5.1	55.1	59.1	61.9	62.8	—
51-60	204.8	5.6	30.2	28.0	89.3	51.7	—
61-70	137.6	—	24.7	33.2	68.6	11.0	—
71-80	52.3	—	—	—	11.7	40.6	—
81+	82.3	—	4.3	4.6	36.1	37.3	—
All classes	3,740.3	1,768.3	291.9	585.1	700.9	366.6	27.6

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 15—Area of timberland by stand-age class and forest management type, nonindustrial private ownerships, Alabama, 2000

Stand-age class	All types	Forest management type: Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
Years				*Thousand acres*			
0-10	4,752.9	1,109.0	511.3	944.0	1,795.7	362.0	30.9
11-20	2,576.4	1,078.0	336.8	303.7	638.9	218.5	0.6
21-30	1,957.5	368.2	457.7	383.9	530.6	214.5	2.6
31-40	1,984.9	121.3	405.3	415.1	687.4	355.2	0.5
41-50	2,892.2	42.8	564.6	646.0	1,071.1	567.7	—
51-60	1,886.1	2.4	365.4	359.9	808.2	349.8	0.3
61-70	951.1	12.5	165.6	115.2	461.6	195.0	1.4
71-80	490.1	—	63.7	86.2	261.8	78.4	—
81+	464.5	—	25.0	55.9	305.0	78.6	—
All classes	17,955.7	2,734.2	2,895.2	3,310.0	6,560.3	2,419.7	36.3

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 16—Area of nonindustrial private timberland by ownership, forested tract-size class, and forest management type, Alabama, 2000

Ownership and forested tract-size class	All types	Forest management type					
		Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
Acres		*Thousand acres*					
Individual							
≤ 10	685.1	39.9	74.3	165.5	336.3	64.2	4.9
11-50	4,008.7	418.6	621.6	750.2	1,675.3	530.6	12.4
51-100	3,327.7	464.4	510.2	555.4	1,417.3	375.9	4.6
101-200	3,343.6	505.7	553.0	581.2	1,192.0	509.3	2.5
201-500	2,986.4	543.3	469.0	486.3	984.0	500.4	3.4
≥ 501	1,044.1	178.8	174.6	220.3	308.1	156.5	5.8
Total	15,395.6	2,150.7	2,402.6	2,758.9	5,913.0	2,136.8	33.7
Corporate							
≤ 10	42.6	4.7	4.1	13.8	14.3	5.5	0.3
11-50	265.7	29.6	55.0	75.4	81.3	23.9	0.3
51-100	337.9	72.6	71.3	51.2	108.0	34.9	—
101-200	520.2	111.8	101.4	98.9	166.4	41.7	—
201-500	714.5	183.4	111.4	145.4	165.5	108.7	—
≥ 501	679.3	181.4	149.4	166.5	111.8	68.2	2.0
Total	2,560.1	583.6	492.6	551.1	647.3	282.9	2.6
All nonindustrial private							
≤ 10	727.7	44.6	78.3	179.3	350.6	69.6	5.2
11-50	4,274.4	448.2	676.6	825.7	1,756.6	554.5	12.8
51-100	3,665.5	537.0	581.4	606.5	1,525.2	410.7	4.6
101-200	3,863.8	617.5	654.4	680.1	1,358.4	550.9	2.5
201-500	3,700.9	726.7	580.4	631.7	1,149.5	609.2	3.4
≥ 501	1,723.3	360.2	324.0	386.7	419.9	224.7	7.8
Total	17,955.7	2,734.2	2,895.2	3,310.0	6,560.3	2,419.7	36.3

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 17—Number of live trees on timberland by species and diameter class, Alabama, 2000

Species	All classes	Diameter class (inches at breast height) 1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
						Thousand trees							
Softwood													
Longleaf pine	177,177	69,829	44,284	16,477	12,933	11,038	9,717	7,339	3,181	1,834	436	109	—
Slash pine	182,962	42,639	44,913	46,940	24,471	10,823	6,066	3,410	2,246	848	374	200	32
Shortleaf pine	235,164	88,393	51,567	31,920	22,914	17,308	11,078	6,779	3,179	1,245	417	364	—
Loblolly pine	3,123,467	1,276,613	715,989	557,098	317,824	128,946	59,444	30,188	18,105	10,249	5,086	3,747	178
Virginia pine	361,466	242,385	62,836	24,818	13,288	9,145	5,234	2,806	705	147	24	78	—
Spruce pine	23,903	11,379	4,341	2,232	1,597	1,009	596	555	850	319	445	580	—
Sand pine	279	—	—	186	62	31	—	—	—	—	—	—	—
Eastern white pine	68	—	—	—	—	—	34	—	34	—	—	—	—
Eastern hemlock	3,294	2,031	—	510	237	345	138	33	—	—	—	—	—
Baldcypress	21,570	7,028	5,897	2,177	1,328	954	1,346	839	550	138	330	884	99
Pondcypress	4,794	3,729	411	167	97	132	31	128	—	68	—	31	—
Atlantic white-cedar	1,473	778	—	190	126	125	190	64	—	—	—	—	—
Redcedars	135,251	80,090	28,785	12,680	6,391	4,001	1,701	864	418	250	71	—	—
Total softwoods	4,270,868	1,824,894	959,023	695,395	401,268	183,857	95,575	53,005	29,268	15,098	7,183	5,993	309
Hardwood													
Select white oaks	332,891	168,484	64,407	32,835	20,728	16,100	11,365	7,151	5,361	2,830	1,837	1,589	204
Select red oaks	81,098	39,429	14,205	7,082	4,916	3,989	3,051	2,070	1,972	1,281	1,364	1,467	272
Other white oaks	346,494	185,840	60,718	32,589	23,188	16,451	10,790	7,291	4,310	2,267	1,420	1,562	68
Other red oaks	1,913,725	1,363,004	267,486	99,956	61,216	42,996	27,361	19,443	12,628	7,362	4,920	6,109	1,244
Hickory	673,322	445,225	105,818	43,488	29,039	19,692	13,718	7,180	5,036	2,469	814	770	73
Hard maple	114,352	87,747	15,982	5,476	2,367	1,188	770	473	172	108	69	—	—
Soft maple	1,008,943	791,250	133,166	43,847	19,743	9,671	5,375	2,639	1,368	829	353	490	212
Beech	76,530	54,406	10,291	3,953	2,019	1,581	1,009	868	607	657	291	782	66
Sweetgum	2,149,731	1,505,416	364,608	133,707	67,664	37,228	18,467	11,653	4,787	3,010	1,383	1,775	33
Tupelo and blackgum	673,544	450,252	98,236	46,412	29,904	18,744	13,208	7,605	5,071	1,950	1,316	773	73
Ash	229,307	151,699	40,144	15,056	8,898	5,798	3,077	1,884	1,109	817	385	440	—
Cottonwood	4,007	1,360	1,633	238	179	73	—	38	261	39	116	70	—
Basswood	21,656	11,962	5,405	1,571	798	696	343	305	307	139	56	74	—
Yellow-poplar	422,167	270,748	64,532	29,737	17,733	12,742	9,071	5,795	4,141	2,831	1,837	2,716	284
Bay and magnolia	391,610	268,668	60,496	26,776	15,003	8,484	5,716	2,937	1,797	936	376	421	—
Black cherry	327,292	240,318	59,125	17,496	6,131	2,879	627	441	208	—	—	67	—
Black walnut	5,814	2,316	1,309	732	772	145	163	170	141	37	—	29	—
Sycamore	20,482	9,142	4,950	1,868	1,379	877	730	278	406	283	105	430	34
Black locust	6,379	3,046	1,796	623	283	384	—	141	34	72	—	—	—
Elm	314,927	235,840	47,606	14,618	8,044	3,716	2,673	1,187	658	278	65	242	—
Other Eastern hardwoods	2,560,727	1,992,267	376,786	116,236	44,610	16,714	6,655	3,639	1,434	1,195	669	453	69
Total hardwoods	11,674,999	8,278,419	1,798,699	674,296	364,614	220,148	134,169	83,188	51,808	29,390	17,376	20,259	2,632
All species	15,945,867	10,103,313	2,757,722	1,369,691	765,882	404,005	229,744	136,193	81,076	44,488	24,559	26,252	2,941

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell.

Table 18—Number of growing-stock trees on timberland by species and diameter class, Alabama, 2000

Species	All classes	Diameter class (inches at breast height) 1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 and larger
						Thousand trees							
Softwood													
Longleaf pine	164,397	61,162	41,085	15,897	12,813	10,962	9,622	7,339	3,175	1,797	436	109	—
Slash pine	167,499	35,537	39,234	44,927	23,980	10,723	6,025	3,410	2,209	848	374	200	32
Shortleaf pine	202,467	67,493	43,494	29,912	22,127	16,921	10,857	6,672	3,076	1,245	306	364	—
Loblolly pine	2,763,031	1,051,454	644,289	525,954	301,420	119,929	55,796	28,910	17,132	9,814	4,738	3,454	141
Virginia pine	285,438	183,529	51,669	21,554	12,004	8,527	4,816	2,492	632	147	24	44	—
Spruce pine	16,927	5,907	3,517	1,896	1,493	901	563	523	818	319	445	545	—
Sand pine	248	—	—	155	62	31	—	—	—	—	—	—	—
Eastern white pine	68	—	—	—	—	—	34	—	34	—	—	—	—
Eastern hemlock	1,806	732	—	438	168	297	138	33	—	—	—	—	—
Baldcypress	15,367	2,465	5,175	1,762	1,194	822	1,312	768	550	138	297	853	31
Pondcypress	3,972	2,907	411	167	97	132	31	128	—	68	—	31	—
Atlantic white-cedar	1,019	389	—	157	126	93	190	64	—	—	—	—	—
Redcedars	82,708	49,442	16,813	7,697	4,239	2,740	973	490	207	107	—	—	—
Total softwoods	3,704,947	1,461,017	845,687	650,516	379,723	172,078	90,357	50,829	27,833	14,483	6,620	5,600	204
Hardwood													
Select white oaks	210,165	76,152	46,953	27,504	17,892	14,662	10,153	6,281	5,021	2,540	1,468	1,468	71
Select red oaks	49,893	16,087	9,827	5,633	4,462	3,609	2,746	1,833	1,865	1,044	1,194	1,354	239
Other white oaks	192,820	70,701	41,990	25,555	19,236	13,070	8,526	6,244	3,538	1,892	854	1,177	37
Other red oaks	921,082	524,778	167,610	76,030	49,101	36,298	23,273	16,522	11,196	6,386	4,018	5,186	684
Hickory	364,649	187,883	70,903	35,700	25,429	17,935	12,485	6,185	4,643	2,218	707	523	38
Hard maple	29,010	14,952	6,785	3,696	1,575	927	497	409	100	35	34	—	—
Soft maple	241,166	145,728	52,606	21,015	10,339	5,332	2,879	1,520	853	518	136	171	69
Beech	21,248	11,258	2,585	2,129	1,311	1,244	708	520	509	414	151	383	36
Sweetgum	1,351,495	842,079	271,215	109,942	58,438	33,171	16,425	10,500	4,350	2,533	1,246	1,563	33
Tupelo and blackgum	305,594	146,961	58,187	34,486	23,948	15,885	11,483	6,574	4,571	1,748	1,147	570	34
Ash	92,185	48,253	15,780	10,389	6,885	4,681	2,412	1,575	934	625	348	303	—
Cottonwood	2,509	436	1,173	201	140	35	—	38	261	39	116	70	—
Basswood	9,230	3,040	2,944	1,117	590	564	311	200	270	104	56	34	—
Yellow-poplar	333,145	198,590	54,218	27,117	16,267	11,697	8,633	5,391	3,952	2,724	1,801	2,540	215
Bay and magnolia	194,745	122,225	30,332	16,611	10,073	6,158	4,432	2,309	1,496	658	239	212	—
Black cherry	94,780	53,900	26,591	8,800	3,177	1,559	407	209	137	—	—	—	—
Black walnut	1,566	—	451	239	463	109	133	135	36	—	—	—	—
Sycamore	13,506	4,666	3,665	1,490	1,033	734	591	245	343	246	105	354	34
Black locust	2,442	888	946	269	102	135	—	33	34	35	—	—	—
Elm	88,195	44,810	22,098	8,971	5,757	2,871	1,887	870	514	175	35	207	—
Other Eastern hardwoods	550,481	358,799	112,964	41,977	19,922	8,292	3,711	2,241	1,003	807	456	273	36
Total hardwoods	5,069,906	2,872,186	999,823	458,871	276,140	178,968	111,692	69,834	45,626	24,741	14,111	16,388	1,526
All species	8,774,853	4,333,203	1,845,510	1,109,387	655,863	351,046	202,049	120,663	73,459	39,224	20,731	21,988	1,730

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell.

Table 19—Volume of live trees on timberland by species and diameter class, Alabama, 2000

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 and larger
					Million cubic feet						
Softwood											
Longleaf pine	1,003.6	47.8	94.6	146.5	206.3	226.7	136.6	100.3	30.4	14.4	—
Slash pine	877.9	122.8	163.5	147.4	130.2	110.3	98.0	49.2	28.1	21.2	7.1
Shortleaf pine	1,243.1	91.8	160.4	237.0	245.4	219.2	144.8	78.2	30.0	36.3	—
Loblolly pine	8,967.5	1,286.9	1,843.6	1,493.1	1,172.8	928.4	789.0	614.3	387.6	417.7	34.1
Virginia pine	520.7	74.5	94.2	120.9	105.3	81.8	28.0	8.3	1.6	6.1	—
Spruce pine	235.5	7.5	12.1	14.0	12.6	18.3	41.1	19.6	37.5	72.7	—
Sand pine	1.1	0.5	0.3	0.2	—	—	—	—	—	—	—
Eastern white pine	2.1	—	—	—	0.8	—	1.3	—	—	—	—
Eastern hemlock	9.6	1.4	1.3	3.6	2.2	1.1	—	—	—	—	—
Baldcypress	219.3	6.7	8.7	11.6	25.6	23.2	21.1	5.8	20.9	87.0	8.6
Pondcypress	11.6	0.5	0.6	1.2	0.5	3.1	—	3.1	—	2.5	—
Atlantic white-cedar	8.4	0.7	1.1	1.4	3.5	1.8	—	—	—	—	—
Redcedars	164.5	29.0	31.3	36.2	24.9	18.1	11.9	9.3	3.9	—	—
Total softwoods	13,264.9	1,670.3	2,411.7	2,213.1	1,930.1	1,632.0	1,271.9	888.2	540.0	657.9	49.8
Hardwood											
Select white oaks	1,507.3	91.2	134.0	196.6	218.5	203.6	210.4	147.1	114.8	161.4	29.6
Select red oaks	653.7	22.2	33.0	51.1	60.0	55.8	75.8	59.6	85.9	144.3	66.2
Other white oaks	1,215.5	85.4	138.3	179.4	181.1	183.6	147.2	102.2	72.0	114.5	11.8
Other red oaks	4,034.2	280.4	379.1	489.9	502.2	508.4	454.6	352.5	297.8	541.5	227.8
Hickory	1,413.3	102.6	170.3	220.8	258.0	198.8	192.2	125.8	56.6	74.3	13.9
Hard maple	85.5	16.2	15.2	12.4	14.5	13.4	5.1	4.4	4.2	—	—
Soft maple	610.2	121.2	111.1	96.6	82.8	56.6	37.2	34.9	17.1	32.5	20.2
Beech	215.7	10.4	13.1	18.7	18.9	22.1	20.2	30.0	19.1	54.0	9.3
Sweetgum	2,635.5	323.2	428.6	465.6	383.0	357.7	208.5	164.8	102.6	190.2	11.3
Tupelo and blackgum	1,384.4	124.1	181.7	215.8	241.3	198.0	181.6	91.9	70.6	59.9	19.4
Ash	422.0	43.4	58.2	70.1	59.4	52.8	40.4	36.8	25.3	35.6	—
Cottonwood	30.6	0.7	1.0	1.0	—	1.4	11.1	2.0	8.2	5.2	—
Basswood	65.8	4.8	5.4	8.7	6.8	8.4	12.7	7.4	4.3	7.4	—
Yellow-poplar	1,510.4	87.8	123.5	159.5	184.7	172.7	174.2	153.1	132.9	266.6	55.3
Bay and magnolia	568.7	73.2	89.1	93.6	97.7	74.1	57.9	38.8	19.3	25.0	—
Black cherry	142.7	43.8	35.7	29.0	10.5	11.3	9.0	—	—	3.5	—
Black walnut	19.7	1.8	3.9	1.6	2.4	3.6	3.9	1.6	—	0.9	—
Sycamore	133.5	7.5	10.6	11.2	14.2	7.9	14.4	13.3	6.8	41.6	5.8
Black locust	13.3	1.5	1.6	3.4	—	2.6	1.4	2.6	—	—	—
Elm	264.9	37.7	45.6	41.4	46.3	29.8	23.8	12.4	4.2	23.6	—
Other Eastern hardwoods	934.2	241.7	216.0	149.9	95.3	73.8	43.7	48.1	30.1	27.5	8.0
Total hardwoods	17,860.9	1,720.8	2,194.8	2,516.2	2,477.7	2,236.4	1,925.5	1,429.5	1,072.0	1,809.4	478.4
All species	31,125.9	3,391.1	4,606.6	4,729.3	4,407.7	3,868.4	3,197.4	2,317.7	1,612.0	2,467.4	528.3

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 20—Volume of growing-stock trees on timberland by species and diameter class, Alabama, 2000

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 and larger
					Million cubic feet						
Softwood											
Longleaf pine	997.1	46.5	93.8	145.5	204.6	226.7	136.3	98.8	30.4	14.4	—
Slash pine	867.9	118.1	161.0	146.2	129.7	110.3	97.0	49.2	28.1	21.2	7.1
Shortleaf pine	1,214.9	87.2	156.0	233.0	241.7	216.8	142.0	78.2	23.5	36.3	—
Loblolly pine	8,554.0	1,229.3	1,760.6	1,408.1	1,116.4	900.1	759.5	595.5	366.4	390.3	27.9
Virginia pine	479.7	66.6	86.9	114.8	99.1	74.3	25.1	8.3	1.6	3.2	—
Spruce pine	225.4	6.6	11.6	12.9	12.2	17.2	39.7	19.6	37.5	68.1	—
Sand pine	1.0	0.5	0.3	0.2	—	—	—	—	—	—	—
Eastern white pine	2.1	—	—	—	0.8	—	1.3	—	—	—	—
Eastern hemlock	8.8	1.3	1.0	3.2	2.2	1.1	—	—	—	—	—
Baldcypress	209.2	5.7	8.3	10.2	25.1	22.0	21.1	5.8	20.1	85.4	5.5
Pondcypress	11.6	0.5	0.6	1.2	0.5	3.1	—	3.1	—	2.5	—
Atlantic white-cedar	8.0	0.5	1.1	1.1	3.5	1.8	—	—	—	—	—
Redcedars	103.5	18.6	21.9	25.7	16.1	10.9	6.2	3.9	—	—	—
Total softwoods	12,683.2	1,581.3	2,303.0	2,102.2	1,851.9	1,584.3	1,228.3	862.5	507.5	621.7	40.6
Hardwood											
Select white oaks	1,368.3	79.3	120.2	183.4	201.1	184.4	200.2	133.2	97.6	154.9	14.1
Select red oaks	605.0	18.3	30.6	47.3	56.2	51.5	74.2	52.3	79.7	135.2	59.9
Other white oaks	1,017.2	70.0	118.6	150.2	151.0	161.8	126.0	89.3	50.2	89.8	10.2
Other red oaks	3,458.2	225.1	319.2	428.0	441.2	446.2	415.6	312.6	258.8	476.6	134.9
Hickory	1,279.4	88.9	154.3	205.0	238.9	177.3	181.8	119.4	50.9	56.1	6.9
Hard maple	63.7	11.6	10.7	10.4	10.7	12.0	3.4	1.9	2.9	—	—
Soft maple	347.7	63.3	63.1	58.0	48.7	35.4	25.8	23.5	7.1	14.0	8.8
Beech	150.7	6.3	9.7	15.3	14.1	13.8	19.1	22.0	10.7	35.2	4.4
Sweetgum	2,388.1	278.5	384.8	424.5	349.6	330.0	195.2	144.9	94.7	174.8	11.3
Tupelo and blackgum	1,221.5	97.7	152.3	189.9	217.9	179.5	167.2	84.4	65.1	49.0	18.5
Ash	355.5	32.3	47.3	59.7	48.3	46.1	36.6	31.4	23.4	30.5	—
Cottonwood	29.7	0.6	0.7	0.5	—	1.4	11.1	2.0	8.2	5.2	—
Basswood	53.1	3.5	4.4	7.4	6.3	5.4	11.5	6.5	4.3	3.8	—
Yellow-poplar	1,435.8	81.5	116.1	149.2	176.9	163.9	168.4	149.0	130.9	257.4	42.5
Bay and magnolia	434.9	48.3	63.8	70.8	81.4	61.3	51.0	29.4	14.2	14.7	—
Black cherry	82.2	24.7	20.7	16.4	7.5	6.7	6.2	—	—	—	—
Black walnut	10.9	0.7	2.8	1.3	2.0	2.9	1.3	—	—	—	—
Sycamore	117.5	6.3	8.1	9.6	12.4	7.1	12.7	13.0	6.8	35.6	5.8
Black locust	6.8	0.8	0.5	1.6	—	0.9	1.4	1.6	—	—	—
Elm	202.1	24.8	34.7	33.5	35.0	23.2	18.9	7.9	2.3	21.9	—
Other Eastern hardwoods	535.5	101.7	112.5	86.5	60.4	54.0	32.7	36.0	23.6	22.7	5.5
Total hardwoods	15,164.0	1,264.0	1,775.2	2,148.5	2,159.5	1,964.9	1,760.3	1,260.2	931.4	1,577.3	322.8
All species	27,847.3	2,845.3	4,078.2	4,250.7	4,011.4	3,549.3	2,988.6	2,122.7	1,438.9	2,199.0	363.4

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 21—Volume in the saw-log portion of sawtimber trees on timberland by species and diameter class, Alabama, 2000

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 and larger
				Million cubic feet					
Softwood									
Longleaf pine	796.5	120.2	187.0	215.7	132.3	96.9	30.0	14.3	—
Slash pine	539.8	118.0	117.8	105.1	94.5	48.6	27.8	21.0	7.1
Shortleaf pine	889.5	188.4	219.9	206.4	138.3	77.1	23.3	36.0	—
Loblolly pine	5,042.7	1,089.5	1,001.2	851.9	737.2	586.0	362.7	386.4	27.6
Virginia pine	287.0	92.4	88.9	69.2	23.9	8.0	1.5	3.1	—
Spruce pine	200.1	10.4	11.1	16.4	38.6	19.2	37.1	67.5	—
Sand pine	0.2	0.2	—	—	—	—	—	—	—
Eastern white pine	2.0	—	0.7	—	1.3	—	—	—	—
Eastern hemlock	5.4	2.5	1.9	1.0	—	—	—	—	—
Baldcypress	179.3	7.2	21.1	19.6	19.5	5.5	19.1	82.0	5.4
Pondcypress	9.8	1.0	0.5	2.8	—	3.0	—	2.5	—
Atlantic white-cedar	5.7	0.9	3.1	1.7	—	—	—	—	—
Redcedars	55.1	20.7	14.5	10.2	5.9	3.8	—	—	—
Total softwoods	8,013.1	1,651.2	1,667.8	1,500.2	1,191.5	848.1	501.5	612.7	40.0
Hardwood									
Select white oaks	844.2	—	144.1	152.0	175.4	120.8	90.5	147.6	13.7
Select red oaks	450.9	—	39.2	41.3	63.8	46.3	73.4	127.9	59.0
Other white oaks	573.6	—	110.0	133.3	110.0	80.5	46.2	83.6	9.9
Other red oaks	2,141.1	—	319.9	366.8	361.9	281.3	237.2	445.3	128.7
Hickory	691.7	—	173.0	146.0	158.8	107.8	46.9	52.7	6.6
Hard maple	25.0	—	7.7	9.9	3.0	1.8	2.7	—	—
Soft maple	131.4	—	33.3	28.0	21.9	20.6	6.4	12.9	8.4
Beech	102.8	—	10.3	11.2	16.3	19.3	9.6	31.9	4.1
Sweetgum	1,095.1	—	245.0	272.4	173.5	133.8	89.6	169.7	11.1
Tupelo and blackgum	641.4	—	152.5	145.4	144.6	75.5	59.5	45.9	17.9
Ash	181.6	—	34.1	37.5	31.5	28.5	21.0	29.0	—
Cottonwood	25.3	—	—	1.1	9.7	1.8	7.7	5.0	—
Basswood	32.5	—	4.5	4.5	10.1	5.9	4.0	3.6	—
Yellow-poplar	960.0	—	122.7	134.7	149.3	137.5	124.1	249.7	42.1
Bay and magnolia	207.1	—	56.7	50.8	45.0	27.0	13.4	14.2	—
Black cherry	16.6	—	5.5	5.6	5.4	—	—	—	—
Black walnut	4.8	—	1.4	2.3	1.1	—	—	—	—
Sycamore	80.8	—	8.1	5.5	10.7	11.5	6.1	33.3	5.6
Black locust	3.3	—	—	0.7	1.2	1.4	—	—	—
Elm	88.5	—	24.9	18.6	16.0	6.9	2.0	20.0	—
Other Eastern hardwoods	182.0	—	40.0	40.7	26.0	29.4	20.2	20.5	5.3
Total hardwoods	8,479.6	—	1,532.8	1,608.1	1,535.3	1,137.7	860.3	1,493.0	312.4
All species	16,492.7	1,651.2	3,200.7	3,108.3	2,726.8	1,985.8	1,361.7	2,105.7	352.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 22—Volume of sawtimber on timberland by species and diameter class, Alabama, 2000

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 and larger
				Million board feet					
Softwood									
Longleaf pine	4,471.3	590.3	982.9	1,214.9	788.8	602.6	193.0	98.8	—
Slash pine	2,958.1	548.4	597.5	580.6	556.0	300.7	180.2	142.7	52.0
Shortleaf pine	4,728.0	875.4	1,100.2	1,114.2	793.8	464.1	145.5	234.9	—
Loblolly pine	27,818.6	5,048.8	5,032.4	4,660.8	4,307.4	3,597.9	2,327.4	2,640.8	203.1
Virginia pine	1,387.2	417.0	423.8	348.3	127.1	44.1	8.6	18.2	—
Spruce pine	1,195.4	52.9	57.9	89.5	221.1	113.6	226.4	434.1	—
Sand pine	0.8	0.8	—	—	—	—	—	—	—
Eastern white pine	10.8	—	3.5	—	7.3	—	—	—	—
Eastern hemlock	25.7	11.1	9.2	5.5	—	—	—	—	—
Baldcypress	992.5	30.2	95.2	95.1	101.3	29.6	108.8	497.9	34.4
Pondcypress	51.1	4.2	2.1	13.7	—	16.4	—	14.7	—
Atlantic white-cedar	29.2	4.1	15.8	9.4	—	—	—	—	—
Redcedars	295.6	104.2	76.8	57.1	34.5	23.0	—	—	—
Total softwoods	43,964.5	7,687.2	8,397.3	8,189.2	6,937.3	5,191.9	3,190.0	4,082.1	289.5
Hardwood									
Select white oaks	4,384.5	—	689.0	739.9	886.0	634.6	492.8	857.8	84.4
Select red oaks	2,605.3	—	188.4	203.8	334.5	250.8	424.4	788.2	415.3
Other white oaks	2,913.8	—	521.5	641.4	553.7	419.8	250.0	460.8	66.5
Other red oaks	11,926.4	—	1,650.5	1,897.9	1,928.5	1,554.4	1,365.8	2,680.3	848.9
Hickory	3,567.3	—	825.9	720.4	821.2	582.6	263.6	312.2	41.5
Hard maple	126.0	—	39.8	48.9	14.6	8.7	13.8	—	—
Soft maple	667.1	—	159.4	134.1	108.9	106.2	34.0	72.9	51.6
Beech	473.9	—	51.8	52.6	74.5	87.4	43.4	145.2	19.0
Sweetgum	6,020.3	—	1,248.2	1,411.5	940.0	756.5	526.1	1,058.0	80.0
Tupelo and blackgum	3,130.8	—	657.0	663.5	702.6	391.8	321.8	268.3	125.6
Ash	924.4	—	159.0	178.0	157.9	148.0	116.2	165.2	—
Cottonwood	141.9	—	—	5.7	51.2	10.0	43.8	31.1	—
Basswood	164.4	—	21.2	21.6	50.0	30.6	20.9	20.1	—
Yellow-poplar	5,604.8	—	632.7	711.4	827.3	796.3	750.1	1,595.5	291.5
Bay and magnolia	995.7	—	272.0	236.4	213.0	132.3	66.3	75.8	—
Black cherry	83.2	—	26.2	28.0	29.0	—	—	—	—
Black walnut	22.1	—	6.7	10.4	5.0	—	—	—	—
Sycamore	445.8	—	39.6	27.3	54.7	61.0	33.4	195.5	34.2
Black locust	15.0	—	—	3.2	5.5	6.3	—	—	—
Elm	452.6	—	121.0	91.2	80.6	35.9	11.0	112.9	—
Other Eastern hardwoods	1,014.4	—	209.1	218.6	147.4	173.4	119.3	119.3	27.5
Total hardwoods	45,679.6	—	7,519.2	8,045.7	7,986.0	6,186.6	4,896.9	8,959.2	2,085.9
All species	89,644.1	7,687.2	15,916.5	16,234.9	14,923.4	11,378.6	8,086.8	13,041.3	2,375.4

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 23—Volume of sawtimber on timberland by species, size class, and tree grade, Alabama, 2000

Species	All size classes						Trees ≥15.0 inches d.b.h.					
	All grades	Tree grade					All grades	Tree grade				
		1	2	3	4	5		1	2	3	4	5
	Million board feet											
Softwood												
Longleaf pine	4,471.3	1,299.4	1,314.3	1,847.3	—	10.3	1,683.2	538.4	618.8	526.0	—	—
Slash pine	2,958.1	1,349.0	595.5	958.0	—	55.6	1,231.7	699.0	245.2	270.0	—	17.5
Shortleaf pine	4,728.0	2,266.1	961.3	1,476.5	—	24.1	1,638.2	931.8	281.4	407.3	—	17.7
Loblolly pine	27,818.6	8,016.4	5,275.8	14,097.4	—	429.0	13,076.6	5,359.1	3,185.1	4,229.1	—	303.2
Virginia pine	1,387.2	24.0	152.8	1,201.0	—	9.4	198.0	—	35.3	162.8	—	—
Spruce pine	1,195.4	337.2	242.1	614.2	—	1.9	995.1	315.4	205.7	474.1	—	—
Sand pine	0.8	—	—	0.8	—	—	—	—	—	—	—	—
Eastern white pine	10.8	—	—	10.8	—	—	7.3	—	—	7.3	—	—
Eastern hemlock	25.7	—	7.2	17.0	—	1.5	—	—	—	—	—	—
Baldcypress	992.5	482.7	266.6	243.2	—	—	772.1	447.4	207.5	117.2	—	—
Pondcypress	51.1	37.2	9.3	4.6	—	—	31.1	31.1	—	—	—	—
Atlantic white-cedar	29.2	6.0	—	23.2	—	—	—	—	—	—	—	—
Redcedars	295.6	4.0	41.3	247.0	—	3.4	57.5	—	12.3	45.2	—	—
Total softwoods	43,964.5	13,822.1	8,866.2	20,741.0	—	535.2	19,690.8	8,322.2	4,791.2	6,239.0	—	338.5
Hardwood												
Select white oaks	4,384.5	947.1	1,337.2	1,476.7	413.2	210.4	2,955.7	947.1	1,044.6	610.5	173.3	180.1
Select red oaks	2,605.3	1,150.6	748.3	418.4	209.2	78.8	2,213.1	1,150.6	687.1	209.0	111.2	55.1
Other white oaks	2,913.8	462.8	707.6	1,194.3	375.4	173.7	1,750.8	462.8	462.5	546.6	140.5	138.4
Other red oaks	11,926.4	1,945.9	2,359.1	3,951.4	2,845.1	824.8	8,377.9	1,945.9	1,894.9	2,302.4	1,578.3	656.4
Hickory	3,567.3	494.2	997.2	1,480.4	467.3	128.3	2,021.1	494.2	713.5	544.0	196.9	72.5
Hard maple	126.0	—	3.4	56.4	58.0	8.1	37.2	—	—	22.6	14.6	—
Soft maple	667.1	48.9	65.0	300.8	179.1	73.3	373.6	48.9	46.5	167.2	54.8	56.3
Beech	473.9	—	103.8	94.9	240.0	35.2	369.5	—	103.8	69.7	178.4	17.6
Sweetgum	6,020.3	1,253.9	1,675.7	2,106.0	580.6	404.1	3,360.6	1,253.9	939.1	682.0	223.5	262.2
Tupelo and blackgum	3,130.8	636.3	1,102.6	1,095.5	92.2	204.1	1,810.3	636.3	706.2	299.2	16.0	152.6
Ash	924.4	261.7	245.6	285.3	46.7	85.1	587.4	261.7	144.6	83.7	27.2	70.2
Cottonwood	141.9	85.5	25.2	9.5	—	21.6	136.2	85.5	19.5	9.5	—	21.6
Basswood	164.4	35.0	58.6	64.8	1.7	4.3	121.6	35.0	48.0	38.6	—	—
Yellow-poplar	5,604.8	1,272.6	1,242.1	1,510.8	1,157.9	421.4	4,260.7	1,272.6	989.9	848.8	795.2	354.1
Bay and magnolia	995.7	54.5	178.4	429.4	208.5	124.9	487.3	54.5	92.1	121.8	136.4	82.5
Black cherry	83.2	—	23.0	37.9	13.9	8.4	29.0	—	14.2	14.8	—	—
Black walnut	22.1	5.0	5.5	11.6	—	—	5.0	5.0	—	—	—	—
Sycamore	445.8	106.9	47.8	213.4	59.7	18.0	378.9	106.9	31.2	165.8	56.9	18.0
Black locust	15.0	5.5	6.3	3.2	—	—	11.8	5.5	6.3	—	—	—
Elm	452.6	55.6	93.4	167.4	102.0	34.3	240.5	55.6	63.4	46.2	46.5	28.7
Other Eastern hardwoods	1,014.4	95.5	235.7	419.5	193.7	70.0	586.8	95.5	159.1	185.2	106.6	40.4
Total hardwoods	45,679.6	8,917.4	11,261.5	15,327.5	7,244.3	2,928.9	30,114.7	8,917.4	8,166.4	6,967.5	3,856.4	2,206.8
All species	89,644.1	22,739.4	20,127.7	36,068.5	7,244.3	3,464.1	49,805.5	17,239.6	12,957.6	13,206.5	3,856.4	2,545.3

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 24—Volume of growing stock on timberland by county and species group, Alabama, 2000

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Autauga	266.1	120.6	120.0	0.6	145.6	73.2	72.3
Baldwin	715.6	409.6	377.5	32.1	306.0	221.8	84.2
Barbour	481.6	255.5	254.9	0.6	226.2	107.9	118.3
Bibb	554.6	302.6	300.3	2.3	251.9	99.8	152.1
Blount	323.2	116.0	115.9	0.2	207.2	67.7	139.5
Bullock	270.8	135.2	135.0	0.2	135.6	73.1	62.6
Butler	434.1	275.7	272.4	3.3	158.4	94.6	63.8
Calhoun	308.4	122.3	122.3	—	186.1	51.2	134.9
Chambers	365.5	223.6	222.9	0.7	141.9	79.4	62.4
Cherokee	261.1	96.7	96.5	0.1	164.4	48.9	115.5
Chilton	248.6	78.5	78.3	0.2	170.2	57.5	112.7
Choctaw	840.3	516.7	487.8	28.9	323.6	175.0	148.6
Clarke	1,145.1	643.2	609.0	34.2	501.9	306.0	195.9
Clay	329.1	162.9	162.6	0.3	166.2	59.3	106.8
Cleburne	447.5	244.1	244.1	—	203.4	48.3	155.2
Coffee	247.1	142.9	141.6	1.3	104.2	51.0	53.2
Colbert	267.8	54.6	54.6	—	213.2	67.8	145.3
Conecuh	509.7	286.2	285.2	1.0	223.5	113.2	110.3
Coosa	409.1	226.0	226.0	—	183.1	64.7	118.4
Covington	505.8	326.5	325.0	1.5	179.3	106.7	72.7
Crenshaw	431.7	187.8	186.7	1.1	243.9	143.3	100.6
Cullman	298.7	88.9	88.6	0.4	209.7	95.2	114.5
Dale	393.6	169.3	168.5	0.8	224.3	103.1	121.2
Dallas	523.6	205.6	200.2	5.4	318.0	143.2	174.9
De Kalb	299.5	110.3	110.3	—	189.2	45.4	143.8
Elmore	326.9	115.5	101.6	13.9	211.4	91.8	119.6
Escambia	559.1	361.2	354.8	6.4	197.8	137.8	60.0
Etowah	272.9	55.1	55.1	—	217.8	87.6	130.2
Fayette	355.9	141.8	141.7	0.1	214.1	137.8	76.2
Franklin	260.2	55.3	48.0	7.3	204.8	71.7	133.1
Geneva	237.1	106.4	103.9	2.5	130.6	66.9	63.8
Greene	465.7	139.6	129.9	9.7	326.1	167.3	158.9
Hale	318.0	123.9	120.9	3.0	194.2	77.1	117.1
Henry	235.9	105.8	105.8	—	130.2	72.5	57.7
Houston	262.7	95.6	91.4	4.2	167.0	104.8	62.3
Jackson	668.2	63.1	46.6	16.5	605.1	185.7	419.4
Jefferson	466.7	224.2	224.1	0.0	242.6	107.6	135.0
Lamar	356.1	124.7	107.4	17.3	231.4	146.8	84.6
Lauderdale	228.8	33.5	32.3	1.1	195.3	45.7	149.6
Lawrence	340.8	105.0	92.0	12.9	235.8	67.7	168.1
Lee	303.4	149.8	149.8	—	153.5	94.4	59.1
Limestone	206.9	9.1	8.9	0.3	197.8	63.6	134.1
Lowndes	290.7	130.8	129.2	1.5	159.9	99.5	60.4
Macon	373.5	159.6	159.4	0.1	213.9	94.0	119.9
Madison	313.6	50.9	41.5	9.4	262.8	112.4	150.4

continued

Table 24—Volume of growing stock on timberland by county and species group, Alabama, 2000 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Marengo	602.0	294.8	279.9	14.9	307.2	159.0	148.2
Marion	339.3	171.1	170.8	0.3	168.2	35.4	132.8
Marshall	266.7	71.7	65.6	6.2	195.0	49.2	145.8
Mobile	536.9	381.5	355.7	25.8	155.4	120.7	34.7
Monroe	775.6	438.0	415.8	22.2	337.5	173.3	164.2
Montgomery	311.9	99.6	99.6	—	212.3	126.3	86.0
Morgan	331.8	96.3	95.1	1.3	235.5	95.9	139.6
Perry	382.1	210.3	208.9	1.4	171.8	99.1	72.7
Pickens	596.7	290.3	284.5	5.8	306.4	132.5	174.0
Pike	225.9	107.1	106.3	0.8	118.8	61.5	57.3
Randolph	267.1	135.6	135.6	—	131.4	66.2	65.2
Russell	310.2	102.9	102.9	—	207.4	133.0	74.4
Shelby	419.6	174.4	174.4	—	245.2	79.8	165.4
St. Clair	369.0	144.6	144.0	0.6	224.3	73.8	150.5
Sumter	561.5	267.4	255.0	12.3	294.1	127.2	166.9
Talladega	345.7	174.6	174.2	0.4	171.1	49.7	121.4
Tallapoosa	413.6	194.6	194.6	—	219.0	115.3	103.7
Tuscaloosa	802.2	320.9	318.2	2.6	481.3	232.2	249.2
Walker	419.2	190.3	190.3	0.1	228.9	73.3	155.6
Washington	776.6	451.4	435.9	15.6	325.1	213.7	111.4
Wilcox	640.4	325.5	321.2	4.4	314.9	130.7	184.2
Winston	431.9	188.3	183.5	4.8	243.6	68.5	175.2
Total	27,847.3	12,683.2	12,342.2	341.1	15,164.0	6,946.6	8,217.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 25—Volume of live trees on timberland by county and species group, Alabama, 2000

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Autauga	287.5	126.0	125.4	0.6	161.5	78.9	82.6
Baldwin	825.7	415.9	380.9	35.0	409.7	289.2	120.5
Barbour	570.8	296.4	294.6	1.8	274.4	131.1	143.2
Bibb	587.4	307.8	305.4	2.4	279.6	108.4	171.3
Blount	352.8	118.3	117.7	0.6	234.5	87.1	147.4
Bullock	337.8	163.5	163.3	0.2	174.3	94.1	80.2
Butler	497.6	294.4	289.0	5.4	203.2	111.7	91.5
Calhoun	344.3	124.9	124.8	0.1	219.4	61.0	158.4
Chambers	441.9	256.6	255.8	0.7	185.4	99.3	86.1
Cherokee	303.0	108.7	108.1	0.6	194.2	61.5	132.7
Chilton	276.9	82.9	82.2	0.8	194.0	65.7	128.3
Choctaw	882.3	524.8	494.0	30.8	357.6	189.3	168.3
Clarke	1,233.6	655.2	617.4	37.8	578.4	336.2	242.2
Clay	372.1	164.0	163.6	0.4	208.0	75.1	133.0
Cleburne	488.1	246.2	246.2	—	241.9	60.6	181.3
Coffee	273.1	147.6	146.3	1.3	125.5	59.0	66.4
Colbert	308.8	56.4	56.4	—	252.4	83.0	169.4
Conecuh	568.3	296.3	292.5	3.8	272.0	134.4	137.6
Coosa	427.8	227.4	227.1	0.2	200.4	72.7	127.7
Covington	543.3	335.2	333.5	1.6	208.1	115.9	92.2
Crenshaw	464.6	191.1	189.7	1.4	273.5	160.5	113.0
Cullman	338.6	91.7	91.1	0.6	246.9	104.1	142.8
Dale	429.8	172.2	171.3	0.8	257.6	116.9	140.7
Dallas	583.7	213.9	207.2	6.7	369.8	172.0	197.8
De Kalb	355.8	129.5	129.5	0.0	226.2	62.4	163.8
Elmore	345.4	116.3	102.2	14.1	229.1	99.9	129.2
Escambia	582.0	362.2	355.6	6.5	219.8	148.4	71.4
Etowah	327.5	61.6	61.6	—	265.9	105.0	160.9
Fayette	383.1	143.5	143.1	0.4	239.6	150.5	89.1
Franklin	295.7	60.1	51.9	8.3	235.6	87.1	148.4
Geneva	276.0	115.4	112.9	2.5	160.6	77.4	83.2
Greene	527.3	151.7	140.3	11.4	375.6	191.0	184.6
Hale	348.8	126.3	123.3	3.0	222.6	90.9	131.7
Henry	254.4	108.4	108.4	—	145.9	81.1	64.9
Houston	291.2	97.0	92.8	4.2	194.2	116.9	77.3
Jackson	786.3	80.5	53.0	27.5	705.8	216.8	489.0
Jefferson	513.4	228.4	228.0	0.4	285.0	123.8	161.2
Lamar	396.0	128.9	110.9	18.0	267.1	173.5	93.6
Lauderdale	259.9	36.9	35.1	1.8	223.0	62.1	160.8
Lawrence	384.1	112.4	97.0	15.4	271.7	79.6	192.1
Lee	373.3	180.7	180.0	0.7	192.6	119.4	73.2
Limestone	233.9	9.2	8.9	0.4	224.7	75.6	149.1
Lowndes	347.0	134.7	133.0	1.7	212.2	118.6	93.6
Macon	429.3	168.1	167.9	0.1	261.2	119.7	141.5
Madison	363.1	54.5	41.5	13.0	308.6	136.1	172.5

continued

Table 25—Volume of live trees on timberland by county and species group, Alabama, 2000 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Marengo	647.0	303.1	283.8	19.3	343.9	177.0	166.9
Marion	382.5	179.4	179.1	0.3	203.1	49.5	153.6
Marshall	306.1	75.1	67.1	8.0	231.0	64.9	166.1
Mobile	625.8	389.9	362.9	27.0	235.9	164.4	71.5
Monroe	864.1	444.9	422.2	22.7	419.2	210.7	208.4
Montgomery	382.6	115.4	114.9	0.4	267.2	152.1	115.2
Morgan	367.5	100.4	97.5	2.9	267.2	108.1	159.0
Perry	437.0	220.9	214.7	6.2	216.1	113.0	103.1
Pickens	649.0	295.3	288.3	7.0	353.7	146.9	206.8
Pike	292.6	127.4	126.3	1.1	165.1	85.4	79.7
Randolph	317.6	143.8	143.1	0.7	173.8	83.4	90.4
Russell	370.7	130.1	130.1	—	240.6	146.3	94.3
Shelby	458.9	176.7	176.5	0.2	282.2	93.7	188.4
St. Clair	405.3	148.8	147.8	1.0	256.5	85.7	170.9
Sumter	619.2	287.7	267.7	20.0	331.5	147.3	184.2
Talladega	370.1	177.0	176.6	0.4	193.1	57.9	135.2
Tallapoosa	445.2	195.8	195.8	0.0	249.4	127.2	122.2
Tuscaloosa	882.4	331.0	326.9	4.1	551.5	255.5	295.9
Walker	457.6	198.8	198.7	0.1	258.8	81.1	177.8
Washington	870.5	462.9	446.5	16.4	407.6	263.9	143.8
Wilcox	684.9	338.1	331.2	6.9	346.8	147.5	199.4
Winston	475.9	198.6	193.0	5.5	277.3	74.9	202.4
Total	31,125.9	13,264.9	12,851.5	413.4	17,860.9	8,139.9	9,721.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 26—Volume of sawtimber on timberland by county and species group, Alabama, 2000

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million board feet						
Autauga	754.9	315.9	313.5	2.4	439.0	196.7	242.3
Baldwin	2,465.4	1,495.2	1,345.3	149.9	970.2	701.8	268.4
Barbour	1,791.6	1,116.8	1,115.0	1.8	674.7	263.6	411.1
Bibb	1,830.1	1,021.8	1,013.1	8.6	808.3	294.0	514.3
Blount	1,183.3	424.4	424.4	—	758.9	223.8	535.2
Bullock	901.4	519.7	519.7	—	381.7	183.0	198.7
Butler	1,261.3	765.6	761.1	4.6	495.7	284.9	210.8
Calhoun	988.0	527.4	527.4	—	460.6	102.4	358.2
Chambers	1,026.7	627.3	626.0	1.4	399.3	204.2	195.1
Cherokee	731.4	270.5	270.5	—	460.8	157.1	303.8
Chilton	784.0	295.1	295.1	—	488.9	141.8	347.1
Choctaw	2,999.9	2,123.5	1,958.0	165.5	876.4	424.6	451.9
Clarke	4,156.7	2,665.0	2,504.1	160.9	1,491.7	923.2	568.5
Clay	936.1	583.4	582.1	1.4	352.7	127.9	224.7
Cleburne	1,444.3	915.3	915.3	—	529.0	114.4	414.6
Coffee	657.1	476.6	471.6	5.0	180.5	88.5	92.0
Colbert	815.1	207.1	207.1	—	608.1	179.9	428.1
Conecuh	1,364.7	754.3	750.5	3.8	610.4	238.7	371.8
Coosa	988.8	555.7	555.7	—	433.1	127.1	306.0
Covington	1,505.7	1,044.0	1,040.0	4.0	461.7	286.4	175.2
Crenshaw	1,312.3	572.4	569.1	3.3	739.9	424.4	315.5
Cullman	920.9	276.0	274.4	1.6	644.9	282.1	362.8
Dale	1,390.3	753.5	753.5	—	636.9	211.6	425.3
Dallas	1,569.8	635.7	616.5	19.2	934.1	298.7	635.5
De Kalb	827.7	364.6	364.6	—	463.1	96.5	366.6
Elmore	1,010.5	363.7	308.3	55.5	646.8	247.6	399.2
Escambia	2,021.8	1,427.7	1,403.4	24.3	594.1	428.2	165.9
Etowah	890.6	182.3	182.3	—	708.3	325.9	382.5
Fayette	980.8	405.4	405.4	—	575.4	377.4	198.1
Franklin	780.2	134.7	110.7	24.0	645.5	234.6	410.9
Geneva	761.0	347.7	341.0	6.7	413.3	172.2	241.1
Greene	1,821.6	548.9	504.8	44.1	1,272.8	606.3	666.5
Hale	987.6	411.1	399.2	12.0	576.4	184.7	391.7
Henry	786.8	426.8	426.8	—	360.1	210.0	150.1
Houston	804.3	313.3	306.7	6.6	490.9	291.8	199.2
Jackson	2,096.0	176.3	142.1	34.2	1,919.7	576.0	1,343.7
Jefferson	1,496.1	736.6	736.6	—	759.4	334.3	425.1
Lamar	975.8	372.4	295.9	76.4	603.4	367.8	235.6
Lauderdale	761.7	149.6	144.5	5.1	612.1	134.5	477.6
Lawrence	1,207.7	440.0	388.4	51.5	767.7	230.4	537.3
Lee	758.6	344.0	344.0	—	414.6	243.9	170.6
Limestone	793.9	49.6	48.6	1.0	744.3	199.8	544.4
Lowndes	800.0	291.9	285.2	6.6	508.2	293.1	215.0
Macon	1,219.6	443.5	443.5	—	776.1	326.0	450.1
Madison	1,165.7	276.9	243.0	33.9	888.8	385.5	503.3

continued

Table 26—Volume of sawtimber on timberland by county and species group, Alabama, 2000 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million board feet						
Marengo	2,203.0	1,181.2	1,111.4	69.8	1,021.7	454.6	567.1
Marion	676.5	268.4	267.3	1.0	408.2	70.5	337.7
Marshall	942.8	284.1	275.4	8.6	658.7	145.0	513.7
Mobile	1,679.3	1,310.0	1,194.9	115.1	369.3	328.7	40.6
Monroe	2,921.0	1,767.3	1,652.8	114.4	1,153.8	504.0	649.7
Montgomery	1,093.3	448.6	448.6	—	644.7	328.6	316.1
Morgan	1,207.8	420.1	415.2	4.9	787.8	314.4	473.3
Perry	1,059.0	523.5	520.6	3.0	535.4	269.0	266.4
Pickens	2,242.9	1,210.0	1,184.1	25.9	1,032.9	367.8	665.1
Pike	603.7	310.4	310.4	—	293.2	110.8	182.4
Randolph	560.3	305.8	305.8	—	254.5	124.4	130.1
Russell	957.8	298.7	298.7	—	659.1	420.2	238.9
Shelby	1,245.8	567.7	567.7	—	678.0	218.5	459.5
St. Clair	1,191.8	538.9	536.7	2.2	652.9	209.4	443.5
Sumter	2,039.6	923.2	878.1	45.1	1,116.4	367.4	749.0
Talladega	1,030.6	604.9	603.8	1.1	425.6	80.9	344.7
Tallapoosa	1,143.0	551.2	551.2	—	591.8	308.7	283.1
Tuscaloosa	2,665.2	1,160.0	1,153.8	6.1	1,505.2	722.3	782.9
Walker	1,283.6	611.8	611.8	—	671.8	192.3	479.5
Washington	2,575.4	1,687.8	1,626.0	61.7	887.6	558.6	329.0
Wilcox	2,246.7	1,154.2	1,144.4	9.8	1,092.5	383.4	709.1
Winston	1,347.0	687.5	677.4	10.0	659.5	218.8	440.7
Total	89,644.1	43,964.5	42,570.3	1,394.2	45,679.6	19,445.7	26,233.9

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 27—Volume of timber on timberland by class of timber and species group, Alabama, 2000

Class of timber	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Sawtimber trees							
Saw-log portion	16,492.7	8,013.1	7,757.7	255.3	8,479.6	3,606.2	4,873.4
Upper-stem portion[a]	2,282.6	785.9	759.7	26.2	1,496.7	668.3	828.4
Total	18,775.3	8,799.0	8,517.4	281.6	9,976.4	4,274.6	5,701.8
Poletimber trees	9,072.0	3,884.3	3,824.8	59.5	5,187.7	2,672.0	2,515.7
All growing-stock trees	27,847.3	12,683.2	12,342.2	341.1	15,164.0	6,946.6	8,217.5
Rough trees							
Sawtimber size	1,716.1	383.2	333.5	49.7	1,333.0	520.9	812.0
Poletimber size	1,424.1	197.4	175.7	21.8	1,226.7	613.7	613.0
Total	3,140.2	580.6	509.1	71.5	2,559.6	1,134.6	1,425.1
Rotten trees							
Sawtimber size	120.5	0.8	—	0.8	119.7	50.6	69.1
Poletimber size	17.9	0.3	0.2	0.1	17.6	8.2	9.4
Total	138.3	1.1	0.2	0.9	137.2	58.7	78.5
Salvable dead trees							
Sawtimber size	222.3	125.9	120.3	5.6	96.4	32.4	64.0
Poletimber size	54.9	31.8	30.0	1.8	23.1	6.5	16.6
Total	277.2	157.7	150.2	7.4	119.6	39.0	80.6
All classes	31,403.1	13,422.6	13,001.7	420.9	17,980.5	8,178.8	9,801.7

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] Includes cull sections in the saw-log portion.

Table 28—Volume of live and growing-stock trees on timberland by ownership class and species group, Alabama, 2000

Ownership class	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Live trees *(million cubic feet)*				
National forest	1,235.4	637.6	626.1	11.5	597.9	169.2	428.6
Other public	1,268.1	473.4	460.4	13.0	794.7	289.1	505.7
Forest industry	4,111.1	2,424.8	2,379.9	44.9	1,686.3	882.0	804.3
Nonindustrial private	24,511.1	9,729.2	9,385.2	344.0	14,782.0	6,799.6	7,982.4
All classes	31,125.9	13,264.9	12,851.5	413.4	17,860.9	8,139.9	9,721.1
			Growing-stock trees *(million cubic feet)*				
National forest	1,164.2	630.6	619.7	10.9	533.6	155.6	378.0
Other public	1,137.4	451.4	442.7	8.7	686.0	244.6	441.4
Forest industry	3,789.3	2,354.7	2,315.2	39.4	1,434.6	766.5	668.2
Nonindustrial private	21,756.4	9,246.6	8,964.5	282.1	12,509.9	5,779.9	6,729.9
All classes	27,847.3	12,683.2	12,342.2	341.1	15,164.0	6,946.6	8,217.5

Numbers in rows and columns may not sum to totals due to rounding.

Table 29—Volume of sawtimber on timberland by ownership class, species group, and size class, Alabama, 2000

Ownership class	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			All size classes *(million board feet)*				
National forest	4,546.1	2,987.7	2,948.1	39.6	1,558.4	453.4	1,105.1
Other public	4,513.8	2,079.6	2,045.2	34.4	2,434.2	731.5	1,702.8
Forest industry	9,804.7	5,722.8	5,552.6	170.2	4,081.9	2,198.3	1,883.6
Nonindustrial private	70,779.5	33,174.4	32,024.4	1,150.0	37,605.0	16,062.5	21,542.5
All classes	89,644.1	43,964.5	42,570.3	1,394.2	45,679.6	19,445.7	26,233.9
			Trees ≥ 15.0 inches d.b.h. *(million board feet)*				
National forest	2,670.3	1,651.3	1,631.6	19.7	1,019.0	299.7	719.3
Other public	2,999.9	1,202.3	1,180.6	21.8	1,797.5	469.1	1,328.5
Forest industry	4,528.7	1,873.4	1,758.1	115.3	2,655.3	1,468.7	1,186.6
Nonindustrial private	39,606.6	14,963.8	14,259.8	704.0	24,642.8	10,067.5	14,575.2
All classes	49,805.5	19,690.8	18,830.1	860.7	30,114.7	12,305.0	17,809.6

Numbers in rows and columns may not sum to totals due to rounding.

Table 30—Volume of growing stock on timberland by forest-type group, stand origin, and species group, Alabama, 2000

Forest-type group and stand origin	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Million cubic feet				
Softwood types							
Longleaf–slash pine							
Planted	352.2	336.5	336.3	0.2	15.7	5.5	10.2
Natural	1,036.7	941.5	940.0	1.6	95.2	32.9	62.3
Total	1,388.9	1,278.0	1,276.3	1.8	110.9	38.4	72.5
Loblolly–shortleaf pine							
Planted	3,845.9	3,642.9	3,640.9	2.0	203.1	117.3	85.8
Natural	4,292.2	3,548.5	3,530.4	18.1	743.7	373.8	369.9
Total	8,138.1	7,191.3	7,171.2	20.1	946.8	491.1	455.7
Total softwoods	9,527.0	8,469.4	8,447.5	21.9	1,057.7	529.5	528.2
Hardwood types							
Oak–pine							
Planted	490.2	378.1	377.7	0.5	112.1	67.7	44.4
Natural	4,237.1	2,356.6	2,313.4	43.2	1,880.5	769.4	1,111.1
Total	4,727.3	2,734.8	2,691.0	43.7	1,992.6	837.1	1,155.5
Oak–hickory	8,414.5	973.7	928.3	45.4	7,440.8	2,489.1	4,951.7
Oak–gum–cypress	5,001.2	501.2	273.5	227.7	4,500.0	2,951.4	1,548.6
Elm–ash–cottonwood	176.9	4.2	1.8	2.3	172.7	139.3	33.5
Total hardwoods	18,320.0	4,213.9	3,894.7	319.2	14,106.1	6,416.8	7,689.3
Nonstocked	0.3	—	—	—	0.3	0.3	—
All groups	27,847.3	12,683.2	12,342.2	341.1	15,164.0	6,946.6	8,217.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 31—Average basal area of live trees per acre on timberland by ownership class, species group, and d.b.h., Alabama, 2000

Ownership class and species group	All tree sizes	D.b.h. (inches)			
		1.0-4.9	5.0-10.9	11.0-14.9	≥15.0
		Square feet/acre			
National forest					
Softwood	44.5	4.2	14.0	12.4	13.9
Hardwood	51.4	11.6	18.5	9.5	11.9
Total	95.9	15.7	32.5	21.9	25.8
Other public					
Softwood	34.2	4.0	9.6	8.1	12.5
Hardwood	66.4	13.6	22.4	11.1	19.3
Total	100.6	17.6	32.0	19.2	31.8
Forest industry					
Softwood	38.1	6.7	24.2	4.5	2.8
Hardwood	35.6	11.2	11.8	5.6	7.0
Total	73.7	17.9	36.0	10.1	9.8
Nonindustrial private					
Softwood	29.3	4.6	13.6	5.7	5.5
Hardwood	50.7	12.6	17.6	9.2	11.3
Total	80.1	17.1	31.2	14.9	16.8
All classes					
Softwood	31.5	4.9	15.2	5.9	5.6
Hardwood	48.9	12.3	16.9	8.7	10.9
Total	80.4	17.2	32.0	14.6	16.5

Numbers in rows and columns may not sum to totals due to rounding.

Table 32—Average net annual growth of growing stock on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Autauga	18.6	15.5	15.5	—	3.1	1.3	1.8
Baldwin	37.5	25.6	24.2	1.4	11.9	7.9	4.0
Barbour	21.4	12.1	12.1	—	9.2	4.9	4.3
Bibb	24.7	17.3	17.3	0.0	7.4	2.6	4.8
Blount	14.7	7.4	7.4	—	7.3	3.1	4.2
Bullock	16.2	10.3	10.2	0.1	5.9	4.2	1.7
Butler	37.3	30.7	30.5	0.1	6.7	3.7	2.9
Calhoun	12.5	6.3	6.3	—	6.3	2.9	3.3
Chambers	26.6	20.8	20.9	-0.1	5.8	3.8	2.0
Cherokee	10.7	7.1	7.1	—	3.6	0.7	2.9
Chilton	10.4	4.4	4.4	—	5.9	1.9	4.1
Choctaw	51.7	35.8	35.5	0.3	15.9	9.0	6.9
Clarke	62.8	37.8	36.5	1.3	24.9	14.3	10.6
Clay	16.9	9.8	9.8	0.1	7.0	2.8	4.2
Cleburne	22.8	13.4	13.4	—	9.5	3.1	6.4
Coffee	17.1	10.9	11.0	-0.1	6.2	2.4	3.8
Colbert	7.9	1.6	1.5	0.0	6.3	2.4	3.9
Conecuh	36.2	28.7	28.7	—	7.5	4.0	3.5
Coosa	26.1	17.8	17.8	—	8.3	4.2	4.0
Covington	19.7	15.1	15.1	0.0	4.5	3.0	1.5
Crenshaw	27.7	18.2	17.6	0.5	9.6	5.6	3.9
Cullman	14.4	5.1	5.1	—	9.4	5.0	4.4
Dale	16.9	8.0	8.0	0.0	8.9	4.0	4.9
Dallas	28.4	13.4	13.4	0.1	15.0	7.0	8.0
De Kalb	10.6	2.3	2.3	—	8.3	2.2	6.1
Elmore	17.6	7.4	7.3	0.1	10.2	3.6	6.6
Escambia	27.7	21.5	20.8	0.7	6.2	4.3	1.9
Etowah	9.1	1.6	1.6	—	7.5	2.5	5.0
Fayette	26.9	16.3	16.3	—	10.5	6.3	4.3
Franklin	20.6	7.9	7.8	0.0	12.8	6.8	6.0
Geneva	11.9	7.3	7.3	0.0	4.6	2.6	2.1
Greene	20.2	11.3	11.0	0.3	8.9	4.3	4.6
Hale	15.1	8.3	8.3	0.0	6.8	2.9	3.9
Henry	10.7	7.4	7.5	-0.1	3.3	1.0	2.3
Houston	10.5	6.3	6.3	—	4.3	2.2	2.0
Jackson	23.2	3.5	2.8	0.6	19.7	7.3	12.4
Jefferson	26.4	12.3	12.3	0.0	14.1	5.8	8.3
Lamar	22.2	11.0	10.8	0.3	11.1	5.5	5.6
Lauderdale	10.4	2.7	2.7	—	7.7	1.6	6.2
Lawrence	12.6	4.8	4.4	0.4	7.8	2.8	5.0
Lee	22.4	14.0	13.9	0.1	8.5	6.7	1.8
Limestone	5.4	0.4	0.4	—	5.0	2.1	3.0
Lowndes	16.7	12.5	12.3	0.2	4.2	2.3	1.9
Macon	16.8	9.3	9.3	—	7.5	2.8	4.7
Madison	12.9	3.6	2.9	0.7	9.3	4.5	4.8

continued

Table 32—Average net annual growth of growing stock on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Marengo	37.8	23.5	22.8	0.7	14.3	7.0	7.2
Marion	29.8	20.3	20.2	0.1	9.5	2.8	6.7
Marshall	9.3	2.8	2.5	0.3	6.5	2.5	4.0
Mobile	24.3	17.9	17.3	0.6	6.4	4.4	2.0
Monroe	42.5	28.5	28.2	0.3	14.0	6.3	7.7
Montgomery	13.1	4.5	4.5	0.1	8.5	5.5	3.1
Morgan	13.6	5.6	5.6	0.0	8.0	3.7	4.3
Perry	27.1	19.4	19.4	-0.1	7.7	3.6	4.2
Pickens	37.1	23.6	23.5	0.1	13.5	6.9	6.7
Pike	18.5	12.3	12.3	—	6.2	2.1	4.1
Randolph	14.9	7.6	7.6	—	7.3	4.1	3.2
Russell	18.5	10.9	10.9	—	7.6	4.1	3.5
Shelby	18.7	10.9	10.9	—	7.8	2.8	5.0
St. Clair	17.7	8.9	8.9	—	8.8	2.5	6.3
Sumter	31.0	21.1	20.2	1.0	9.9	5.1	4.7
Talladega	13.5	7.2	7.2	—	6.3	2.2	4.1
Tallapoosa	35.8	23.9	23.8	0.2	11.9	5.9	6.0
Tuscaloosa	33.1	20.1	20.1	0.0	12.9	5.8	7.1
Walker	22.3	12.6	12.6	—	9.8	3.9	5.9
Washington	39.1	23.0	22.1	0.9	16.1	10.5	5.7
Wilcox	36.2	24.8	24.5	0.3	11.4	4.5	7.0
Winston	17.4	9.9	9.7	0.2	7.5	2.2	5.3
Total	1,480.3	884.1	872.1	12.0	596.2	282.2	314.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 33—Average net annual growth of live trees on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Autauga	20.1	16.4	16.4	—	3.8	1.2	2.6
Baldwin	41.6	26.3	25.1	1.2	15.3	10.0	5.3
Barbour	25.1	14.0	14.0	0.1	11.0	5.6	5.4
Bibb	25.7	17.3	17.3	0.0	8.4	3.4	5.0
Blount	15.7	7.6	7.5	0.1	8.1	3.7	4.4
Bullock	20.5	13.5	13.5	0.1	7.0	4.8	2.2
Butler	40.8	32.2	31.9	0.3	8.7	4.6	4.1
Calhoun	12.9	6.2	6.2	—	6.7	3.1	3.6
Chambers	30.3	22.5	22.6	-0.1	7.8	4.8	3.0
Cherokee	12.0	7.2	7.2	0.0	4.8	1.6	3.2
Chilton	11.4	4.8	4.8	—	6.5	2.0	4.5
Choctaw	53.2	36.3	36.0	0.3	17.0	9.8	7.2
Clarke	71.5	38.7	37.2	1.6	32.8	15.4	17.4
Clay	18.6	9.8	9.7	0.1	8.8	3.2	5.6
Cleburne	23.7	13.5	13.5	—	10.2	3.4	6.8
Coffee	17.5	11.5	11.6	-0.1	6.0	2.1	4.0
Colbert	9.2	1.5	1.5	0.0	7.6	3.2	4.5
Conecuh	38.7	29.1	29.1	—	9.6	5.3	4.3
Coosa	26.9	17.8	17.8	—	9.0	4.5	4.5
Covington	24.0	18.7	18.5	0.2	5.3	3.2	2.1
Crenshaw	28.2	18.2	17.5	0.6	10.1	6.3	3.8
Cullman	15.8	5.0	5.0	—	10.8	6.3	4.5
Dale	17.2	7.7	7.7	0.0	9.5	4.3	5.3
Dallas	30.6	14.4	14.4	0.1	16.2	7.9	8.3
De Kalb	12.6	2.8	2.7	0.1	9.7	3.2	6.5
Elmore	18.7	7.5	7.3	0.1	11.2	3.9	7.3
Escambia	28.7	21.5	20.9	0.7	7.1	4.9	2.2
Etowah	10.4	2.0	2.0	—	8.4	3.1	5.3
Fayette	28.6	16.8	16.8	—	11.8	7.2	4.6
Franklin	22.9	8.2	8.2	0.0	14.6	8.2	6.4
Geneva	13.0	7.4	7.4	0.0	5.6	3.5	2.1
Greene	21.8	12.0	11.7	0.3	9.8	4.6	5.2
Hale	16.3	8.8	8.8	0.0	7.5	3.1	4.4
Henry	11.0	7.7	7.7	-0.1	3.4	1.1	2.3
Houston	11.0	6.4	6.4	—	4.6	2.5	2.1
Jackson	25.3	3.7	2.8	0.8	21.6	8.2	13.4
Jefferson	29.3	13.2	13.1	0.0	16.2	6.1	10.1
Lamar	23.3	11.2	11.0	0.2	12.1	5.9	6.1
Lauderdale	11.0	3.2	3.2	—	7.8	1.9	6.0
Lawrence	14.3	4.6	4.1	0.5	9.7	3.1	6.5
Lee	26.5	15.7	15.6	0.1	10.8	8.7	2.1
Limestone	5.5	0.4	0.4	—	5.1	2.1	3.0
Lowndes	18.3	13.1	12.9	0.2	5.2	2.8	2.4
Macon	18.7	9.8	9.8	—	8.9	3.5	5.4
Madison	15.6	3.9	2.9	1.0	11.7	5.4	6.4

continued

Table 33—Average net annual growth of live trees on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Marengo	39.4	24.0	23.1	0.9	15.5	8.2	7.2
Marion	32.2	20.6	20.5	0.1	11.6	4.1	7.5
Marshall	10.1	2.8	2.5	0.3	7.3	2.6	4.7
Mobile	28.1	18.7	18.1	0.6	9.4	5.8	3.6
Monroe	44.9	28.8	28.5	0.3	16.1	7.4	8.7
Montgomery	14.4	4.6	4.5	0.1	9.8	6.4	3.4
Morgan	13.9	5.6	5.6	0.0	8.3	3.7	4.6
Perry	29.7	19.9	19.9	0.0	9.8	4.4	5.4
Pickens	38.6	23.7	23.6	0.1	15.0	7.8	7.2
Pike	22.6	14.7	14.7	—	7.9	3.2	4.7
Randolph	18.4	9.0	9.0	—	9.4	5.0	4.4
Russell	22.2	13.4	13.4	—	8.8	4.4	4.4
Shelby	19.9	10.9	10.9	0.0	9.0	3.9	5.1
St. Clair	19.5	9.2	9.2	—	10.3	3.2	7.1
Sumter	33.3	22.2	21.0	1.1	11.1	6.0	5.1
Talladega	15.0	7.3	7.3	—	7.7	2.7	5.0
Tallapoosa	39.1	25.0	24.8	0.2	14.1	6.6	7.5
Tuscaloosa	35.5	20.7	20.7	0.0	14.9	6.5	8.4
Walker	23.9	13.1	13.1	—	10.8	4.2	6.6
Washington	43.4	24.2	23.2	1.0	19.2	12.7	6.5
Wilcox	36.5	24.7	24.5	0.3	11.7	4.6	7.1
Winston	18.8	10.1	9.9	0.2	8.7	2.7	6.0
Total	1,613.5	923.4	909.7	13.7	690.1	328.6	361.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 34—Average net annual growth of sawtimber on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Million board feet				
Autauga	46.1	35.3	35.3	—	10.8	6.1	4.7
Baldwin	124.5	80.7	73.5	7.2	43.8	30.0	13.8
Barbour	94.6	61.1	61.1	—	33.5	13.8	19.7
Bibb	85.5	57.7	57.6	0.1	27.8	9.5	18.2
Blount	47.4	21.4	21.4	—	25.9	9.9	16.0
Bullock	49.2	30.2	30.0	0.2	19.0	8.8	10.2
Butler	118.4	99.1	99.1	—	19.3	12.2	7.1
Calhoun	64.1	36.7	36.7	—	27.4	11.1	16.3
Chambers	91.6	71.2	71.6	-0.4	20.4	13.6	6.8
Cherokee	27.8	17.2	17.2	—	10.5	1.9	8.7
Chilton	38.5	19.0	19.0	—	19.5	4.9	14.6
Choctaw	203.1	147.0	145.4	1.7	56.1	26.7	29.3
Clarke	246.7	159.5	153.5	6.0	87.2	48.0	39.3
Clay	41.7	20.9	20.3	0.6	20.8	6.8	14.0
Cleburne	92.8	60.4	60.4	—	32.4	10.5	21.9
Coffee	43.9	31.5	31.5	—	12.4	6.0	6.4
Colbert	35.5	12.4	12.2	0.2	23.1	5.5	17.6
Conecuh	107.8	81.3	81.3	—	26.5	11.7	14.8
Coosa	56.9	40.0	40.0	—	16.9	6.9	10.0
Covington	55.3	44.9	44.9	0.1	10.4	6.0	4.4
Crenshaw	78.3	49.5	47.4	2.1	28.8	16.5	12.4
Cullman	52.9	23.3	23.3	—	29.7	11.9	17.8
Dale	57.0	32.9	32.8	0.2	24.0	6.9	17.1
Dallas	95.8	47.7	47.7	—	48.1	19.9	28.2
De Kalb	42.4	14.8	14.8	—	27.5	6.4	21.1
Elmore	56.5	19.3	18.7	0.6	37.2	12.6	24.6
Escambia	116.3	96.0	94.5	1.5	20.3	13.8	6.4
Etowah	42.8	14.4	14.4	—	28.4	9.2	19.3
Fayette	79.6	47.3	47.3	—	32.3	19.4	12.8
Franklin	56.4	13.0	12.9	0.1	43.4	22.0	21.4
Geneva	45.3	28.5	28.3	0.2	16.8	6.8	10.0
Greene	75.4	36.5	34.3	2.2	39.0	16.6	22.4
Hale	62.5	32.7	32.2	0.5	29.8	10.5	19.3
Henry	48.7	35.3	35.3	—	13.4	6.0	7.4
Houston	29.6	12.3	12.3	—	17.3	9.7	7.6
Jackson	82.4	11.9	9.8	2.1	70.5	19.0	51.5
Jefferson	90.3	40.8	40.8	—	49.5	18.6	30.8
Lamar	79.3	33.4	31.7	1.7	45.9	21.6	24.2
Lauderdale	44.8	12.9	12.9	—	31.9	6.4	25.5
Lawrence	55.0	22.5	20.5	2.0	32.5	10.8	21.8
Lee	56.5	33.7	33.0	0.8	22.8	16.5	6.3
Limestone	28.1	2.4	2.4	—	25.7	10.2	15.4
Lowndes	52.2	33.4	32.2	1.3	18.7	10.2	8.6
Macon	58.0	25.4	25.4	—	32.6	11.1	21.6
Madison	56.9	17.7	14.0	3.7	39.1	18.0	21.2

continued

Table 34—Average net annual growth of sawtimber on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million board feet			
Marengo	150.7	93.5	90.8	2.7	57.2	22.6	34.7
Marion	59.2	37.1	36.6	0.5	22.0	7.5	14.5
Marshall	47.2	20.9	20.2	0.7	26.4	11.3	15.1
Mobile	74.7	55.7	52.6	3.2	18.9	16.5	2.4
Monroe	166.8	118.6	116.7	1.9	48.2	19.2	29.0
Montgomery	53.4	27.6	27.2	0.4	25.8	14.9	10.9
Morgan	71.2	31.6	31.6	0.1	39.6	20.0	19.5
Perry	76.0	48.4	48.3	0.1	27.6	10.4	17.3
Pickens	168.4	115.5	115.4	0.1	52.9	25.2	27.7
Pike	43.3	27.7	27.7	—	15.5	5.7	9.8
Randolph	46.1	22.9	22.9	—	23.1	14.8	8.4
Russell	58.8	27.4	27.4	—	31.4	15.2	16.2
Shelby	62.9	40.7	40.7	—	22.1	7.7	14.4
St. Clair	67.4	34.5	34.5	—	32.9	8.7	24.2
Sumter	108.3	67.9	66.7	1.2	40.4	13.9	26.6
Talladega	43.6	26.9	26.9	—	16.7	3.0	13.7
Tallapoosa	92.2	64.4	63.9	0.4	27.8	13.7	14.1
Tuscaloosa	140.9	86.4	86.4	—	54.5	22.4	32.1
Walker	75.1	43.3	43.3	—	31.8	11.8	20.0
Washington	135.6	88.8	86.2	2.5	46.8	29.1	17.7
Wilcox	129.2	93.8	93.1	0.8	35.4	8.8	26.6
Winston	56.3	29.7	29.3	0.4	26.6	6.8	19.8
Total	5,141.2	3,068.6	3,019.4	49.3	2,072.6	889.5	1,183.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 35—Average annual removals of growing stock on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Autauga	20.7	18.2	18.2	—	2.5	1.0	1.5
Baldwin	27.6	18.6	18.2	0.4	8.9	6.5	2.4
Barbour	28.5	18.1	18.1	—	10.4	5.4	5.0
Bibb	8.2	6.9	6.9	—	1.3	0.1	1.2
Blount	10.8	5.2	5.2	—	5.6	1.3	4.2
Bullock	19.7	15.8	15.8	—	3.9	2.5	1.4
Butler	52.8	43.0	42.9	0.1	9.7	4.5	5.3
Calhoun	10.6	8.3	8.3	—	2.3	0.7	1.6
Chambers	24.4	17.6	17.6	0.1	6.7	4.3	2.5
Cherokee	8.8	5.9	5.9	—	2.9	0.5	2.4
Chilton	21.1	11.5	11.5	—	9.6	3.8	5.8
Choctaw	36.0	26.7	26.7	—	9.3	4.0	5.3
Clarke	57.5	36.6	36.5	0.1	20.9	11.5	9.4
Clay	8.6	5.0	5.0	—	3.5	1.5	2.0
Cleburne	13.3	9.1	9.1	—	4.2	2.6	1.6
Coffee	11.9	8.2	8.2	—	3.6	2.2	1.4
Colbert	9.5	3.6	3.4	0.2	6.0	2.1	3.9
Conecuh	36.8	33.1	33.1	—	3.7	1.4	2.3
Coosa	13.6	9.1	9.1	—	4.4	1.1	3.3
Covington	21.1	16.2	16.2	—	4.9	2.1	2.8
Crenshaw	25.6	20.5	20.5	—	5.1	2.2	2.9
Cullman	20.5	15.3	15.3	—	5.2	1.9	3.4
Dale	9.8	3.6	3.6	—	6.3	3.1	3.1
Dallas	23.3	16.8	16.8	—	6.5	2.6	3.9
De Kalb	6.2	3.8	3.8	—	2.3	1.0	1.3
Elmore	10.4	5.6	5.6	—	4.8	2.3	2.5
Escambia	36.3	33.3	33.3	—	2.9	1.1	1.8
Etowah	14.6	10.1	10.1	—	4.5	1.7	2.8
Fayette	23.7	13.9	13.9	—	9.7	3.2	6.5
Franklin	19.3	10.2	10.2	—	9.1	2.7	6.4
Geneva	6.4	2.2	2.2	—	4.2	3.2	1.0
Greene	16.8	10.1	10.1	—	6.7	3.0	3.7
Hale	15.7	9.7	9.7	—	5.9	1.7	4.2
Henry	8.4	5.0	5.0	—	3.4	1.2	2.3
Houston	3.6	2.6	2.6	—	1.0	0.7	0.3
Jackson	8.8	3.6	3.6	—	5.2	0.6	4.6
Jefferson	21.7	14.4	14.3	0.1	7.3	1.8	5.5
Lamar	25.2	12.3	12.3	—	12.9	4.2	8.7
Lauderdale	5.9	5.3	5.3	—	0.6	—	0.6
Lawrence	5.5	3.0	3.0	—	2.5	0.9	1.6
Lee	20.4	14.5	14.5	—	5.9	4.1	1.8
Limestone	1.4	0.5	0.5	—	1.0	0.4	0.6
Lowndes	18.5	12.8	12.8	—	5.7	3.1	2.5
Macon	6.2	5.6	5.6	—	0.6	0.2	0.4
Madison	8.6	7.9	7.9	—	0.7	0.7	—

continued

Table 35—Average annual removals of growing stock on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Marengo	23.5	16.7	16.4	0.3	6.8	4.5	2.3
Marion	23.8	12.0	12.0	—	11.8	3.5	8.3
Marshall	8.4	5.0	5.0	—	3.4	0.8	2.6
Mobile	16.3	10.5	10.4	0.1	5.8	4.6	1.2
Monroe	34.4	24.8	24.7	0.1	9.6	4.1	5.5
Montgomery	11.6	7.7	7.7	—	3.9	2.3	1.6
Morgan	6.1	3.5	3.5	—	2.6	0.5	2.0
Perry	24.4	17.5	17.5	—	6.9	4.1	2.8
Pickens	50.7	36.0	35.9	0.1	14.7	7.2	7.5
Pike	15.3	7.5	7.5	—	7.7	2.7	5.0
Randolph	12.4	5.2	5.2	—	7.2	3.2	4.0
Russell	10.0	7.2	7.2	—	2.8	1.8	0.9
Shelby	13.7	10.3	10.3	—	3.4	1.1	2.3
St. Clair	12.8	6.1	6.1	—	6.7	1.3	5.4
Sumter	31.6	19.3	18.8	0.6	12.3	6.3	5.9
Talladega	12.8	9.6	9.6	—	3.3	1.3	2.0
Tallapoosa	34.3	25.0	24.8	0.2	9.3	3.4	5.8
Tuscaloosa	46.3	34.3	34.2	0.1	12.0	4.6	7.5
Walker	18.9	11.0	11.0	—	7.9	1.1	6.8
Washington	31.3	20.7	20.7	—	10.7	6.2	4.5
Wilcox	34.6	28.5	27.9	0.6	6.1	2.8	3.3
Winston	19.8	12.1	12.1	—	7.7	2.8	4.9
Total	1,297.0	890.2	887.1	3.1	406.8	177.3	229.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 36—Average annual removals of live trees on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Autauga	21.1	18.3	18.3	—	2.8	1.2	1.7
Baldwin	30.9	18.8	18.4	0.4	12.1	8.9	3.1
Barbour	30.0	18.7	18.7	—	11.3	5.5	5.8
Bibb	8.6	6.9	6.9	—	1.6	0.2	1.4
Blount	11.5	5.2	5.2	—	6.3	1.5	4.8
Bullock	20.3	15.9	15.9	—	4.4	2.7	1.7
Butler	54.3	44.2	44.1	0.1	10.1	4.7	5.4
Calhoun	12.2	8.4	8.4	—	3.8	1.2	2.7
Chambers	26.1	18.4	18.3	0.1	7.7	5.0	2.7
Cherokee	9.8	6.1	6.1	—	3.6	0.5	3.2
Chilton	23.6	12.5	12.5	—	11.2	4.6	6.5
Choctaw	38.8	27.8	27.8	—	11.0	4.6	6.4
Clarke	60.4	37.2	37.0	0.2	23.2	12.2	11.0
Clay	9.6	5.2	5.2	—	4.4	1.8	2.7
Cleburne	14.0	9.3	9.3	—	4.7	2.6	2.1
Coffee	13.5	9.5	9.5	—	4.1	2.3	1.7
Colbert	12.0	4.0	3.8	0.2	7.9	2.3	5.6
Conecuh	38.1	33.6	33.6	—	4.5	2.0	2.6
Coosa	13.8	9.1	9.1	—	4.6	1.2	3.4
Covington	21.5	16.2	16.2	—	5.3	2.1	3.2
Crenshaw	26.9	21.0	21.0	—	5.8	2.4	3.4
Cullman	21.2	15.3	15.3	—	6.0	2.2	3.8
Dale	11.5	3.6	3.6	—	8.0	3.9	4.1
Dallas	24.5	17.2	17.2	—	7.3	2.9	4.4
De Kalb	6.7	4.0	3.9	0.1	2.6	1.3	1.3
Elmore	11.1	5.6	5.6	—	5.5	2.6	2.9
Escambia	37.2	33.9	33.9	—	3.3	1.2	2.1
Etowah	15.5	10.3	10.3	—	5.1	2.0	3.2
Fayette	25.0	14.3	14.3	—	10.7	3.8	6.9
Franklin	21.0	10.5	10.5	—	10.5	3.4	7.1
Geneva	7.6	2.6	2.6	—	5.0	3.6	1.4
Greene	18.5	10.7	10.7	—	7.8	3.2	4.6
Hale	17.6	10.3	10.3	—	7.3	2.0	5.3
Henry	9.2	5.2	5.2	—	4.0	1.2	2.8
Houston	3.9	2.8	2.8	—	1.1	0.7	0.4
Jackson	9.2	3.6	3.6	—	5.5	0.8	4.8
Jefferson	24.1	15.6	15.6	0.1	8.5	2.0	6.5
Lamar	27.3	12.6	12.6	—	14.7	4.8	9.9
Lauderdale	6.3	5.6	5.6	—	0.7	—	0.7
Lawrence	5.7	3.0	3.0	—	2.7	0.9	1.8
Lee	21.3	14.7	14.7	—	6.6	4.7	1.9
Limestone	1.5	0.5	0.5	—	1.1	0.5	0.6
Lowndes	19.8	13.6	13.6	—	6.2	3.4	2.8
Macon	6.5	5.9	5.9	—	0.6	0.2	0.4
Madison	8.9	7.9	7.9	—	1.0	0.7	0.3

continued

Table 36—Average annual removals of live trees on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
				Million cubic feet			
Marengo	24.9	17.2	16.9	0.3	7.7	5.0	2.7
Marion	24.8	12.1	12.1	—	12.7	3.7	9.1
Marshall	8.5	5.0	5.0	—	3.5	0.9	2.6
Mobile	17.4	10.5	10.4	0.1	6.9	5.6	1.3
Monroe	36.4	25.2	25.1	0.1	11.2	4.5	6.7
Montgomery	11.9	7.7	7.7	—	4.2	2.6	1.6
Morgan	6.2	3.6	3.6	—	2.7	0.5	2.2
Perry	25.6	18.0	18.0	—	7.5	4.5	3.0
Pickens	53.4	36.8	36.6	0.1	16.6	7.8	8.8
Pike	18.1	8.8	8.8	—	9.3	3.1	6.3
Randolph	13.8	5.7	5.7	—	8.2	3.5	4.7
Russell	10.2	7.3	7.3	—	2.8	1.9	0.9
Shelby	14.8	10.5	10.4	0.1	4.3	1.6	2.7
St. Clair	13.5	6.3	6.3	—	7.1	1.4	5.7
Sumter	33.1	20.2	19.6	0.6	12.9	6.4	6.5
Talladega	14.1	9.6	9.6	—	4.6	2.1	2.5
Tallapoosa	36.9	26.5	26.2	0.3	10.5	3.9	6.6
Tuscaloosa	47.4	34.4	34.3	0.1	13.1	4.9	8.2
Walker	20.2	11.0	11.0	—	9.2	1.2	8.0
Washington	33.2	21.0	21.0	—	12.2	6.9	5.2
Wilcox	35.4	28.8	28.2	0.6	6.6	2.8	3.8
Winston	20.9	12.1	12.1	—	8.8	2.9	5.9
Total	1,378.7	914.0	910.5	3.5	464.8	199.1	265.6

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 37—Average annual removals of sawtimber on timberland by county and species group, Alabama, 1990–1999

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million board feet						
Autauga	70.7	64.9	64.9	—	5.7	2.8	2.9
Baldwin	81.8	56.5	56.5	—	25.3	15.2	10.1
Barbour	113.5	91.2	91.2	—	22.3	9.3	13.0
Bibb	25.2	23.7	23.7	—	1.5	—	1.5
Blount	29.1	15.5	15.5	—	13.6	1.8	11.8
Bullock	68.8	57.6	57.6	—	11.2	7.2	4.1
Butler	158.4	133.1	133.1	—	25.3	10.0	15.3
Calhoun	40.2	36.4	36.4	—	3.8	0.9	2.8
Chambers	84.5	70.1	70.1	—	14.4	9.7	4.6
Cherokee	22.8	12.3	12.3	—	10.5	0.6	10.0
Chilton	66.4	41.1	41.1	—	25.3	8.9	16.4
Choctaw	128.0	96.8	96.8	—	31.2	9.4	21.8
Clarke	213.8	144.3	143.7	0.5	69.5	37.6	31.8
Clay	20.4	13.0	13.0	—	7.4	3.6	3.8
Cleburne	44.1	34.9	34.9	—	9.2	6.0	3.2
Coffee	36.8	29.0	29.0	—	7.7	5.1	2.7
Colbert	23.9	9.3	8.3	0.9	14.6	4.6	10.1
Conecuh	108.0	98.4	98.4	—	9.7	5.3	4.4
Coosa	31.3	25.4	25.4	—	5.9	1.6	4.3
Covington	48.3	35.3	35.3	—	13.0	5.6	7.4
Crenshaw	76.8	64.5	64.5	—	12.2	4.6	7.6
Cullman	83.4	65.4	65.4	—	17.9	6.5	11.5
Dale	32.8	15.2	15.2	—	17.7	8.3	9.3
Dallas	88.1	70.3	70.3	—	17.8	6.1	11.7
De Kalb	25.4	14.3	14.3	—	11.1	4.8	6.3
Elmore	28.8	16.4	16.4	—	12.4	5.5	7.0
Escambia	137.4	130.4	130.4	—	7.0	2.5	4.6
Etowah	65.1	52.1	52.1	—	12.9	5.3	7.6
Fayette	64.9	39.0	39.0	—	26.0	9.7	16.3
Franklin	40.1	17.4	17.4	—	22.7	3.9	18.8
Geneva	19.7	7.6	7.6	—	12.1	8.6	3.5
Greene	54.4	38.7	38.7	—	15.7	7.0	8.8
Hale	57.3	37.1	37.1	—	20.2	4.4	15.7
Henry	30.0	18.7	18.7	—	11.4	3.4	8.0
Houston	10.4	6.0	6.0	—	4.3	3.5	0.9
Jackson	33.0	14.3	14.3	—	18.7	2.2	16.5
Jefferson	57.8	41.1	41.1	—	16.6	3.7	12.9
Lamar	76.4	48.4	48.4	—	27.9	4.2	23.7
Lauderdale	19.2	16.4	16.4	—	2.7	—	2.7
Lawrence	21.1	11.9	11.9	—	9.1	4.0	5.2
Lee	69.9	46.9	46.9	—	23.0	18.3	4.7
Limestone	6.1	2.1	2.1	—	3.9	1.6	2.4
Lowndes	62.8	50.5	50.5	—	12.3	6.1	6.2
Macon	15.9	13.1	13.1	—	2.8	1.2	1.6
Madison	37.2	33.4	33.4	—	3.8	3.8	—

continued

Table 37—Average annual removals of sawtimber on timberland by county and species group, Alabama, 1990–1999 (continued)

County	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million board feet						
Marengo	73.6	53.2	53.2	—	20.4	12.9	7.5
Marion	62.4	39.7	39.7	—	22.7	7.4	15.3
Marshall	31.5	21.9	21.9	—	9.6	0.7	8.9
Mobile	45.7	31.2	30.7	0.5	14.5	13.3	1.2
Monroe	114.8	89.2	89.2	—	25.7	10.9	14.8
Montgomery	47.2	36.1	36.1	—	11.1	6.4	4.7
Morgan	19.3	13.9	13.9	—	5.4	0.7	4.7
Perry	73.5	55.7	55.7	—	17.8	8.6	9.2
Pickens	182.8	147.8	147.8	—	35.0	17.8	17.2
Pike	47.2	34.1	34.1	—	13.1	4.3	8.8
Randolph	39.8	19.8	19.8	—	20.0	9.4	10.6
Russell	29.9	24.1	24.1	—	5.8	4.2	1.6
Shelby	49.8	42.8	42.8	—	6.9	2.4	4.5
St. Clair	42.9	23.6	23.6	—	19.3	3.5	15.8
Sumter	122.4	82.0	82.0	—	40.5	16.0	24.4
Talladega	44.4	38.0	38.0	—	6.4	3.8	2.6
Tallapoosa	90.7	70.1	70.1	—	20.6	4.8	15.8
Tuscaloosa	163.4	127.4	127.4	—	36.0	15.6	20.4
Walker	59.9	35.8	35.8	—	24.1	3.6	20.5
Washington	101.3	70.8	70.8	—	30.5	15.8	14.7
Wilcox	122.2	113.8	112.3	1.5	8.4	1.5	6.9
Winston	62.1	46.0	46.0	—	16.1	8.4	7.7
Total	4,256.5	3,177.3	3,173.8	3.5	1,079.1	446.0	633.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 38—Average net annual growth and average annual removals of live trees, growing stock, and sawtimber on timberland by species, Alabama, 1990–1999

Species	Live trees		Growing stock		Sawtimber	
	Net annual growth	Annual removals	Net annual growth	Annual removals	Net annual growth	Annual removals
	Million cubic feet				*Million board feet*	
Softwood						
Longleaf pine	38.8	54.7	38.7	54.6	198.8	239.2
Slash pine	55.5	60.9	54.8	59.8	183.8	157.9
Shortleaf pine	47.3	109.0	46.2	106.4	252.5	397.4
Loblolly pine	738.1	638.3	703.8	620.5	2,258.6	2,236.0
Virginia pine	21.6	37.5	20.3	36.1	73.3	93.3
Spruce pine	7.9	10.0	7.7	9.6	48.4	49.7
Sand pine	0.0	0.1	0.0	0.1	0.4	0.4
Eastern white pine	0.5	—	0.5	—	3.7	—
Eastern hemlock	0.3	—	0.3	—	1.0	—
Baldcypress	6.5	0.5	6.5	0.5	30.0	0.5
Pondcypress	0.3	—	0.3	—	1.6	—
Atlantic white-cedar	0.3	—	0.3	—	2.2	—
Redcedars	6.2	2.9	4.4	2.6	14.5	3.0
Total softwoods	923.4	914.0	884.1	890.2	3,068.6	3,177.3
Hardwood						
Select white oaks	58.9	39.4	55.0	36.8	204.5	102.1
Select red oaks	17.7	13.6	16.4	12.4	93.2	45.9
Other white oaks	46.4	35.3	40.4	30.1	145.5	72.6
Other red oaks	165.0	125.9	150.4	115.8	587.9	335.0
Hickory	37.6	32.3	35.5	29.7	123.3	72.6
Hard maple	2.8	0.7	2.1	0.7	4.3	0.9
Soft maple	27.0	12.0	15.7	7.8	29.2	9.3
Beech	5.7	2.3	4.4	1.3	13.7	2.4
Sweetgum	117.1	85.3	104.5	80.3	274.1	169.8
Tupelo and blackgum	34.4	24.3	30.2	19.7	110.6	46.1
Ash	18.3	6.3	15.1	5.4	48.7	15.3
Cottonwood	0.6	—	0.6	—	3.9	—
Basswood	3.0	0.5	2.6	0.5	10.1	2.3
Yellow-poplar	77.8	40.1	74.8	38.7	303.5	144.3
Bay and magnolia	18.9	10.6	13.8	8.4	41.2	15.5
Black cherry	7.7	3.3	5.6	2.4	4.2	3.3
Black walnut	0.9	—	0.6	—	2.2	—
Sycamore	7.3	2.0	6.8	2.0	27.8	7.6
Black locust	0.6	—	0.2	—	0.5	—
Elm	7.2	4.6	5.1	3.3	10.8	8.6
Other Eastern hardwoods	35.1	26.2	16.4	11.6	33.3	25.4
Total hardwoods	690.1	464.8	596.2	406.8	2,072.6	1,079.1
All species	1,613.5	1,378.7	1,480.3	1,297.0	5,141.2	4,256.5

Numbers in columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 39—Average annual removals of growing stock on timberland by species and diameter class, Alabama, 1990–1999

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 and larger
					Million cubic feet						
Softwood											
Longleaf pine	54.6	2.8	5.5	10.1	10.3	11.3	6.5	5.6	1.4	1.1	—
Slash pine	59.8	9.1	17.9	11.1	5.8	6.9	4.4	2.4	1.3	1.0	—
Shortleaf pine	106.4	8.2	15.2	21.5	22.2	18.0	12.8	5.3	2.4	0.8	—
Loblolly pine	620.5	68.8	103.5	114.8	91.5	78.8	61.3	40.6	29.8	30.6	0.8
Virginia pine	36.1	5.7	8.4	8.0	5.6	5.4	2.1	0.6	0.2	—	—
Spruce pine	9.6	0.1	0.8	0.3	1.2	1.1	1.1	1.6	1.3	1.9	0.2
Sand pine	0.1	—	—	0.1	—	—	—	—	—	—	—
Baldcypress	0.5	0.2	0.2	—	0.1	—	—	—	—	—	—
Redcedars	2.6	1.4	0.4	0.6	0.1	—	—	—	—	—	—
Total softwoods	890.2	96.5	152.0	166.6	136.8	121.3	88.2	56.1	36.3	35.5	1.1
Hardwood											
Select white oaks	36.8	4.3	3.6	5.7	4.4	5.1	5.3	3.2	2.2	2.4	0.5
Select red oaks	12.4	1.0	0.6	1.1	1.5	1.4	2.0	1.5	1.4	1.7	0.2
Other white oaks	30.1	2.7	4.6	5.8	3.7	5.6	2.7	1.7	1.4	1.4	0.4
Other red oaks	115.8	10.8	12.9	19.8	16.7	15.4	12.1	8.5	6.3	11.1	2.2
Hickory	29.7	2.3	4.5	5.6	4.8	5.1	3.6	2.0	1.0	0.8	—
Hard maple	0.7	0.1	0.3	—	0.3	—	—	—	—	—	—
Soft maple	7.8	2.0	2.3	1.2	0.4	1.0	0.4	0.3	0.2	0.1	—
Beech	1.3	0.2	0.1	0.4	0.1	0.1	—	—	0.1	0.2	—
Sweetgum	80.3	11.9	14.5	15.7	13.6	10.7	4.1	3.8	2.3	3.3	0.2
Tupelo and blackgum	19.7	1.3	2.7	4.2	3.7	3.1	1.6	1.8	0.4	0.9	—
Ash	5.4	0.2	0.6	1.0	0.7	0.6	0.6	0.7	0.5	—	0.3
Basswood	0.5	—	—	—	0.1	—	0.3	—	—	0.2	—
Yellow-poplar	38.7	1.9	3.8	4.8	3.0	6.7	5.6	4.2	2.7	5.2	0.9
Bay and magnolia	8.4	1.2	1.8	1.5	0.7	1.3	0.6	0.8	0.3	0.1	—
Black cherry	2.4	0.7	0.5	0.4	0.6	0.1	0.2	—	—	—	—
Sycamore	2.0	—	0.2	0.1	—	0.4	0.6	—	—	0.5	0.1
Elm	3.3	0.7	0.2	0.2	0.6	0.4	0.3	0.2	0.6	—	—
Other Eastern hardwoods	11.6	2.8	1.5	1.3	1.8	1.6	0.8	1.0	0.2	0.7	—
Total hardwoods	406.8	44.2	54.7	68.8	56.6	58.7	40.9	29.8	19.6	28.6	5.0
All species	1,297.0	140.6	206.6	235.4	193.4	180.1	129.0	85.9	55.9	64.0	6.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 40—Average annual mortality of live trees, growing stock, and sawtimber on timberland by species, Alabama, 1990–1999

Species	Live trees	Growing stock	Sawtimber
	Million cubic feet		*Million board feet*
Softwood			
Longleaf pine	8.6	8.3	37.5
Slash pine	10.8	10.3	30.8
Shortleaf pine	28.4	26.3	86.5
Loblolly pine	97.6	90.1	299.4
Virginia pine	13.6	12.6	27.3
Spruce pine	5.6	4.8	22.8
Eastern white pine	0.1	0.1	—
Eastern hemlock	0.1	0.1	0.6
Baldcypress	0.7	0.5	2.4
Atlantic white-cedar	0.1	0.1	0.6
Redcedars	1.2	1.1	2.2
Total softwoods	166.9	154.3	510.0
Hardwood			
Select white oaks	7.4	5.8	24.5
Select red oaks	6.7	6.1	25.1
Other white oaks	8.1	5.7	15.1
Other red oaks	50.3	37.8	132.9
Hickory	13.0	10.4	26.7
Hard maple	0.5	0.3	1.3
Soft maple	6.4	3.0	5.9
Beech	1.3	0.4	1.7
Sweetgum	21.0	17.5	49.6
Tupelo and blackgum	9.2	7.1	14.4
Ash	4.2	3.1	8.8
Cottonwood	0.4	0.4	2.3
Basswood	1.1	0.8	2.3
Yellow-poplar	7.3	6.3	23.4
Bay and magnolia	6.0	3.5	9.2
Black cherry	0.3	0.1	—
Sycamore	0.9	0.8	2.0
Black locust	0.0	—	—
Elm	5.1	4.0	14.6
Other Eastern hardwoods	18.6	8.7	19.0
Total hardwoods	167.8	122.0	378.9
All species	334.7	276.2	888.9

Numbers in columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 41—Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Alabama, 1990–1999

Ownership class	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Average net annual growth *(million cubic feet)*				
National forest	43.0	24.4	23.9	0.5	18.6	7.6	11.0
Other public	40.0	17.0	16.2	0.8	23.0	10.0	13.0
Forest industry	323.2	263.0	260.3	2.7	60.2	30.1	30.0
Nonindustrial private	1,074.1	579.7	571.6	8.0	494.5	234.5	260.0
All classes	1,480.3	884.1	872.1	12.0	596.2	282.2	314.1
			Average annual removals *(million cubic feet)*				
National forest	20.4	17.2	17.2	—	3.2	0.9	2.3
Other public	17.7	12.2	12.2	—	5.4	0.9	4.5
Forest industry	340.1	267.7	266.8	0.9	72.3	34.5	37.8
Nonindustrial private	918.9	593.0	590.8	2.2	325.9	141.0	184.8
All classes	1,297.0	890.2	887.1	3.1	406.8	177.3	229.5

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 42—Average net annual growth and average annual removals of live trees on timberland by ownership class and species group, Alabama, 1990–1999

Ownership class	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Average net annual growth *(million cubic feet)*				
National forest	43.6	24.0	23.5	0.5	19.6	7.8	11.8
Other public	42.3	17.7	16.9	0.8	24.6	10.3	14.3
Forest industry	338.2	269.2	266.5	2.7	68.9	34.4	34.5
Nonindustrial private	1,189.4	612.5	602.9	9.6	576.9	276.1	300.8
All classes	1,613.5	923.4	909.7	13.7	690.1	328.6	361.5
			Average annual removals *(million cubic feet)*				
National forest	20.9	17.2	17.2	—	3.7	0.9	2.7
Other public	18.8	12.5	12.5	—	6.3	1.1	5.2
Forest industry	357.4	274.1	273.0	1.1	83.3	39.3	43.9
Nonindustrial private	981.7	610.2	607.8	2.4	371.5	157.8	213.8
All classes	1,378.7	914.0	910.5	3.5	464.8	199.1	265.6

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A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 43—Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Alabama, 1990–1999

Ownership class	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
		Average net annual growth *(million board feet)*					
National forest	201.0	130.3	128.1	2.2	70.7	27.9	42.8
Other public	182.5	84.8	81.1	3.7	97.7	35.8	61.9
Forest industry	907.7	717.8	707.7	10.1	189.9	98.2	91.8
Nonindustrial private	3,850.0	2,135.8	2,102.4	33.3	1,714.3	727.6	986.7
All classes	5,141.2	3,068.6	3,019.4	49.3	2,072.6	889.5	1,183.1
		Average annual removals *(million board feet)*					
National forest	81.8	78.4	78.4	—	3.4	0.7	2.7
Other public	67.8	51.7	51.7	—	16.1	2.0	14.1
Forest industry	986.5	806.6	806.1	0.5	179.9	82.0	97.9
Nonindustrial private	3,120.4	2,240.7	2,237.7	3.0	879.7	361.3	518.4
All classes	4,256.5	3,177.3	3,173.8	3.5	1,079.1	446.0	633.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

Table 44—Average net annual growth of growing stock on timberland by forest-type group, stand origin, and species group, Alabama, 1990–1999

Forest-type group and stand origin[a]	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
	Million cubic feet						
Softwood types							
Longleaf–slash pine							
Planted	36.0	33.6	33.6	—	2.4	2.0	0.4
Natural	46.6	39.2	39.2	0.0	7.4	2.7	4.7
Total	82.6	72.8	72.7	0.0	9.8	4.7	5.1
Loblolly–shortleaf pine							
Planted	407.4	387.6	387.4	0.2	19.9	13.6	6.3
Natural	267.1	210.7	209.1	1.6	56.5	30.8	25.7
Total	674.6	598.2	596.5	1.8	76.3	44.4	32.0
Total softwoods	757.1	671.0	669.2	1.8	86.1	49.0	37.1
Hardwood types							
Oak–pine							
Planted	28.0	21.8	21.8	—	6.2	3.6	2.6
Natural	210.6	109.2	107.7	1.5	101.4	40.6	60.8
Total	238.6	131.0	129.5	1.5	107.5	44.2	63.3
Oak–hickory	325.6	61.0	58.8	2.3	264.6	101.8	162.8
Oak–gum–cypress	153.0	20.5	14.1	6.4	132.5	82.3	50.3
Elm–ash–cottonwood	5.5	0.5	0.5	—	5.0	4.9	0.1
Tropical hardwood	0.5	0.0	0.0	—	0.4	—	0.4
Total hardwoods	723.2	213.1	202.9	10.2	510.1	233.1	277.0
Nonstocked	0.0	—	—	—	0.0	0.0	—
All groups	1,480.3	884.1	872.1	12.0	596.2	282.2	314.1

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] Classifications at the beginning of the remeasurement period.

Table 45—Average annual removals of growing stock on timberland by forest-type group, stand origin, and species group, Alabama, 1990–1999

Forest-type group and stand origin[a]	All species	Softwoods			Hardwoods		
		All softwood	Yellow pine	Other softwood	All hardwood	Soft hardwood	Hard hardwood
			Million cubic feet				
Softwood types							
Longleaf–slash pine							
Planted	25.9	24.2	24.2	—	1.7	1.0	0.7
Natural	62.0	56.5	56.5	—	5.5	2.4	3.0
Total	87.9	80.7	80.7	—	7.2	3.5	3.7
Loblolly–shortleaf pine							
Planted	247.4	234.8	234.6	0.2	12.6	6.4	6.2
Natural	315.8	274.7	273.2	1.5	41.1	21.8	19.3
Total	563.2	509.4	507.8	1.7	53.7	28.2	25.5
Total softwoods	651.1	590.1	588.5	1.7	61.0	31.7	29.2
Hardwood types							
Oak–pine							
Planted	13.8	10.7	10.7	—	3.1	1.7	1.4
Natural	293.7	194.8	194.4	0.5	98.8	39.3	59.6
Total	307.5	205.6	205.1	0.5	101.9	41.0	60.9
Oak–hickory	240.7	73.7	73.4	0.3	166.9	55.3	111.7
Oak–gum–cypress	93.0	18.6	18.0	0.6	74.3	46.8	27.5
Elm–ash–cottonwood	4.8	2.2	2.2	—	2.7	2.5	0.1
Total hardwoods	646.0	300.1	298.7	1.4	345.9	145.6	200.3
Nonstocked	—	—	—	—	—	—	—
All groups	1,297.0	890.2	887.1	3.1	406.8	177.3	229.5

Table 46—Fresh weight of live trees on timberland by ownership class, species group, and tree component, Alabama, 2000

Ownership class and species group	All components	Component						
		All live saplings	Growing-stock trees			Cull trees		
			Total	Boles	Stumps, tops, and limbs	Total	Boles	Stumps, tops, and limbs
			Thousand tons					
National forest								
Softwood	28,761.3	1,091.6	27,351.7	23,814.4	3,537.3	318.0	266.6	51.5
Hardwood	35,180.7	4,542.3	27,197.5	21,883.7	5,313.8	3,441.0	2,599.6	841.4
Total	63,941.9	5,633.8	54,549.2	45,698.1	8,851.1	3,759.0	2,866.2	892.8
Other public								
Softwood	21,195.6	855.4	19,377.1	16,804.5	2,572.7	963.1	809.4	153.8
Hardwood	45,581.5	4,887.3	35,087.5	28,529.0	6,558.5	5,606.7	4,325.7	1,281.0
Total	66,777.0	5,742.7	54,464.6	45,333.5	9,131.2	6,569.8	5,135.1	1,434.7
Forest industry								
Softwood	118,652.6	10,100.6	105,352.6	86,675.9	18,676.7	3,199.5	2,596.9	602.6
Hardwood	103,146.0	20,853.6	69,283.5	56,020.1	13,263.4	13,008.9	9,929.7	3,079.2
Total	221,798.5	30,954.2	174,636.0	142,695.9	31,940.1	16,208.4	12,526.6	3,681.8
Nonindustrial private								
Softwood	460,034.8	34,608.0	403,634.6	341,504.7	62,129.9	21,792.2	17,986.0	3,806.2
Hardwood	857,143.1	124,223.9	617,175.4	498,643.0	118,532.4	115,743.8	89,460.1	26,283.7
Total	1,317,177.9	158,831.9	1,020,810.0	840,147.7	180,662.3	137,536.0	107,446.1	30,089.9
All ownerships								
Softwood	628,644.1	46,655.5	555,715.9	468,799.4	86,916.6	26,272.8	21,658.8	4,614.0
Hardwood	1,041,051.1	154,507.1	748,743.8	605,075.7	143,668.1	137,800.3	106,315.1	31,485.2
Total	1,669,695.3	201,162.5	1,304,459.8	1,073,875.1	230,584.7	164,073.0	127,973.8	36,099.2

Numbers in rows and columns may not sum to totals due to rounding.

Table 47—Area of timberland treated or disturbed annually and retained in timberland by treatment or disturbance and ownership class, Alabama, 1990 to 2000

Treatment or disturbance	All classes	Ownership class		
		Public	Forest industry	Nonindustrial private
		Thousand acres		
Final harvest	451.4	9.2	122.0	320.2
Partial harvest[a]	207.1	6.6	19.5	181.1
Seed tree/shelterwood	28.1	0.4	4.4	23.3
Commercial thinning	132.5	3.3	28.6	100.6
Other stand improvement	36.3	2.8	13.2	20.3
Site preparation	243.9	4.0	103.6	136.4
Artificial regeneration[b]	255.1	4.0	99.7	151.4
Natural regeneration[b]	394.3	8.7	34.3	351.4
Other treatment	126.5	7.4	13.6	105.6
Natural disturbance				
Disease	52.3	0.3	14.9	37.0
Insects	24.5	1.8	3.3	19.4
Fire	48.1	3.5	8.7	35.8
Weather	87.5	8.8	8.7	70.1
Animals	29.5	1.2	4.7	23.7
Other disturbances				
Grazing	25.8	0.4	—	25.4
Other human-caused disturbance	32.4	1.6	3.2	27.5

Since some acres experience more than one treatment or disturbance, there are no column totals. Numbers in rows may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] Includes high-grading and some selective cutting.

[b] Includes establishment of trees for timber production on forest and nonforest land.

Table 48—Area of timberland treated or disturbed annually and retained in timberland by treatment or disturbance and forest management type, Alabama, 1990 to 2000

Treatment or disturbance	All types	Forest management type[a]					
		Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
		Thousand acres					
Final harvest	451.4	70.7	111.3	131.6	110.0	27.8	—
Partial harvest[b]	207.1	7.9	50.8	61.2	61.1	25.6	0.4
Seed tree/shelterwood	28.1	2.7	20.0	3.5	1.3	0.6	—
Commercial thinning	132.5	74.7	44.5	9.9	1.4	2.0	—
Other stand improvement	36.3	15.6	8.2	6.6	5.0	0.8	—
Site preparation	243.9	69.0	65.7	63.2	39.2	6.9	—
Other treatment	126.5	13.7	41.3	25.7	35.0	10.9	—
Natural disturbance							
Disease	52.3	41.3	4.5	3.8	2.1	0.6	—
Insects	24.5	3.5	5.8	13.0	2.3	—	—
Fire	48.1	10.9	16.2	10.8	7.7	2.6	—
Weather	87.5	5.0	23.1	16.4	20.4	22.6	—
Animals	29.5	4.3	0.4	2.5	5.0	16.9	0.5
Other disturbance							
Grazing	25.8	0.4	1.9	6.0	13.6	3.9	—
Other human-caused disturbance	32.4	2.6	6.0	9.1	11.3	3.2	—

Since some acres experience more than one treatment or disturbance, there are no column totals. Numbers in rows may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] Classification before treatment or disturbance.

[b] Includes high-grading and some selective cutting.

Table 49—Area of timberland regenerated annually by type of regeneration and forest management type, Alabama, 1990 to 2000

Type of regeneration	All types	Forest management type[a]					
		Pine plantation	Natural pine	Oak–pine	Upland hardwood	Lowland hardwood	Nonstocked
		Thousand acres					
Artificial regeneration following harvest	177.4	119.5	—	48.0	9.5	0.3	—
Natural regeneration following harvest	200.1	0.4	27.0	33.7	116.9	21.5	0.7
Other artificial regeneration on forest land	36.3	23.8	—	7.1	4.7	0.7	—
Other natural regeneration on forest land	108.0	2.2	24.2	27.9	43.9	9.9	—
Artificial regeneration on former nonforest land	50.7	43.4	—	5.6	0.9	0.6	0.2
Natural reversion of former nonforest land	78.0	—	22.9	15.2	26.6	12.7	0.5
Total	650.6	189.3	74.1	137.4	202.6	45.6	1.4

Numbers in rows and columns may not sum to totals due to rounding.

A dash (—) indicates no sample for the cell; 0.0 indicates a value of >0.0 but <0.05 for the cell.

[a] Classification after regeneration.

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This report summarizes a 2000 inventory of the forest resources of Alabama. Major findings are highlighted in text and graphics; detailed data are presented in 49 tables.

Keywords: Forest ownership, timberland, timber growth, timber removals, timber volume.

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