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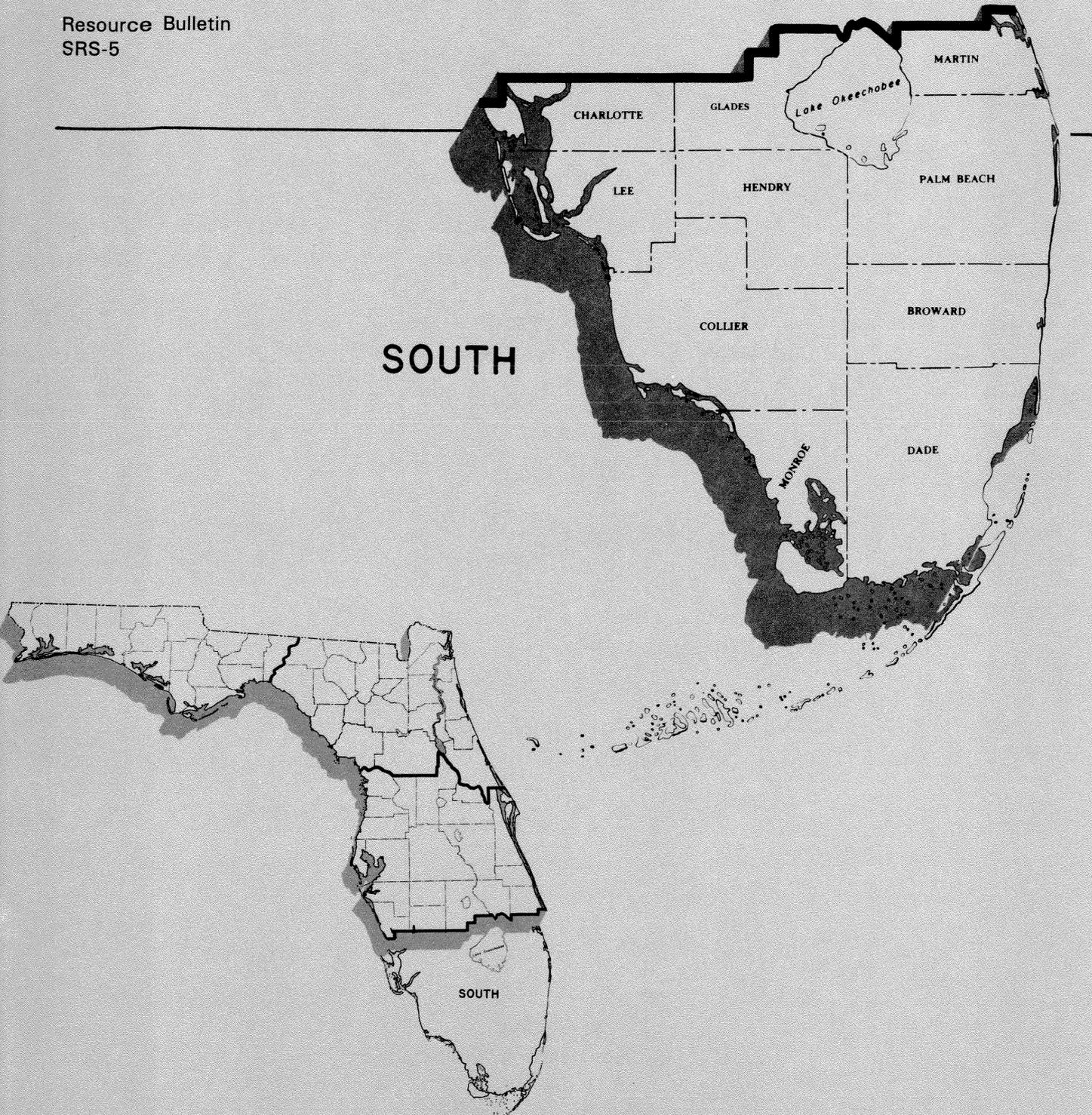


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Forest Statistics for South Florida, 1995

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P.O. Box 2680
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Foreword

This report highlights the principal findings of the seventh forest survey of South Florida. Field work began in September 1994 and was completed in November 1994. Six previous surveys, completed in 1936, 1949, 1959, 1970, 1980, and 1988 provide statistics for measuring changes and trends over the past 59 years. This report primarily emphasizes the changes and trends since 1988.

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 USDA Forest Service. In the Southern United States, these surveys are conducted by two Forest Inventory and Analysis (FIA) Research Work Units at the Southern Research Station, Asheville, NC. The two FIA units, one located in Starkville, MS, and the other in Asheville, NC, are responsible for inventories of 13 Southern States and the Commonwealth of Puerto Rico. 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 deals only with 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:

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Acknowledgments

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^a All tables in this report are available in Microsoft® Excel workbook files. These files will be supplied, upon request, on 3 ½ - or 5 ¼ -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.

Introduction

This report summarizes results from a 1995 inventory of the forest resources of South Florida. Current estimates of forest area, related attributes, and timber volumes are presented. Timber volumes reported in previous bulletins have been adjusted for valid comparisons with current assessments. Average annual rates of growth, removals, and mortality since the previous inventory in 1988 are summarized. The flora and physiography of South Florida are unique among conditions found in the South. Dense population patterns and other socioeconomic factors have resulted in rapid and sometimes dramatic changes in land use. All these factors greatly complicate inventory procedures in South Florida. To attain the accuracy levels achieved for most Survey Units would require a sampling intensity that is prohibitive in cost and time. The statistics presented in this report represent our best estimate at a reasonable expenditure of time and funds.

Highlights

In 1995 in South Florida—

- *area of timberland occupies less than 477,000 acres, or 6 percent of the total land area in this 10-county region.*
- *area of nonindustrial private forest (NIPF) land totals 439,000 acres. Nonindustrial private forest land ownerships control 92 percent of total timberland.*
- *area of timberland classified as a hardwood forest type totals 293,000 acres. Oak-gum-cypress is the predominant hardwood forest type. It occupies 268,000 acres, or 91 percent of total area classified as hardwood forest type. Pine forest types currently total 160,000 acres. Slash pine is the major pine type, accounting for almost 95 percent of this acreage. Oak-pine types account for 5 percent of total timberland area.*
- *natural agents such as fire, insects, disease, and weather were the primary disturbances to timberland in this region, damaging over 8,200 acres annually since 1988. Harvests and other cuttings occurred on nearly 5,000 acres annually, primarily on NIPF land. Regeneration succeeded on an average of 2,400 acres annually. Most regeneration occurred on NIPF land.*
- *volume of softwood growing stock totals 423 million cubic feet. Pond cypress remains the predominant species in the region at 267 million cubic feet. Volume of hardwood growing stock totals 34 million cubic feet. The total inventory of growing stock includes 1.4 billion board feet of sawtimber.*
- *net annual growth of growing stock averaged 9.2 million cubic feet. Net annual removals of growing stock averaged 13 million cubic feet. Softwoods accounted for 92 percent of removals.*
- *annual mortality of growing stock averaged under 3.1 million cubic feet. Softwood species accounted for 58 percent of the total.*

How the Inventory is Made

Procedures used in the seventh inventory of the forest resources in South Florida included six basic steps.

1. Estimates of forest and nonforest areas were based on the ground classification of 2,158 sample clusters systematically distributed within the 10-county area. At each of the sample clusters, 16 points were classified as to land use.

2. Estimates of timber volume and forest classification were based on measurements recorded at 162 ground sample locations systematically distributed on timberland. The plot design at each location was based on a cluster of 10 points. In most cases, variable plots, established by using a basal-area factor of 37.5 square feet per acre, were systematically spaced within a single forest condition at 5 of the 10 cluster points. Trees less than 5 inches d.b.h. were tallied on a fixed-radius plot around each point center.

3. Equations prepared from detailed measurements collected on standing trees in this Survey Unit, and similar measurements taken throughout the Southeast, were used to compute the volume of individual tally trees. A mirror caliper and sectional aluminum poles were used to obtain the additional measurements required to construct volume equations. Forest biomass estimates were made from equations developed by the Utilization of Southern Timber Research Work Unit, Southern Research Station, Athens, GA.

4. Estimates of growth, removals, and mortality were determined from the remeasurement of 175 permanent sample plots established in the sixth survey.

5. Ownership information was collected from correspondence, public records, and local contacts. In counties where the sample missed a particular ownership class, temporary sample plots were added.

6. All field data were sent to Asheville for editing and were entered into disk and magnetic-tape storage for processing. Final estimates were based on statistical summaries of the data.

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) | 476.7 ± 21.1 | 4.43 |
| Growing stock (M ft³) | | |
| Inventory | 456.8 ± 53.5 | 11.72 |
| Net annual growth | 9.2 ± 1.7 | 18.16 |
| Annual removals | 13.0 ± 3.1 | 23.87 |
| Annual mortality | 5.3 ± 1.2 | 23.42 |
| Sawtimber (M fbm) | | |
| Inventory | 1,394.1 ± 206.7 | 14.83 |
| Net annual growth | 39.5 ± 6.7 | 16.85 |
| Annual removals | 40.1 ± 11.6 | 28.94 |
| Annual mortality | 14.6 ± 3.9 | 27.03 |

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 for growing-stock volume on public timberland is computed as:

$$SE_s = 11.72 \frac{\sqrt{456.8}}{\sqrt{23.8}} = 51.3$$

Thus, the sampling error is 51.3 percent, and the resulting confidence interval (two times out of three) for growing-stock inventory on public timberland is 23.8 ± 12.2 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 for county and unit totals, in terms of one standard error, South Florida, 1995

| County | Timberland area | Cubic-foot volume of growing stock | | |
|--------------|-----------------|------------------------------------|--------------|--------------|
| | | Inventory | Growth | Removals |
| | | <i>Sampling error^a</i> | | |
| Broward | — | — | — | — |
| Charlotte | 22.20 | 40.62 | 58.14 | 103.71 |
| Collier | 3.05 | 14.78 | 42.63 | 44.92 |
| Dade | — | — | — | — |
| Glades | 12.65 | 37.68 | 30.44 | 38.08 |
| Hendry | 14.60 | 34.83 | 37.72 | 46.06 |
| Lee | 15.41 | 35.79 | 46.89 | 72.91 |
| Martin | 19.19 | 32.02 | 49.41 | — |
| Monroe | — | — | — | — |
| Palm Beach | — | — | — | — |
| Total | 4.43 | 11.72 | 18.16 | 23.87 |

^a By random-sampling formula (in percent).

Definitions

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 green 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 diameter outside bark (d.o.b.) in trees 5.0 inches d.b.h. and larger.

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

Pine plantation. Stands that have been artificially regenerated by planting or direct seeding and with a southern yellow pine, white pine-hemlock, or other softwood forest type.

Natural pine. Stands that have not been artificially regenerated and with a southern yellow pine, white pine-hemlock, or other softwood forest type.

Oak-pine. Stands with a forest type of oak-pine.

Upland hardwood. Stands with a forest type of oak-hickory, chestnut oak, southern scrub oak, or maple-beech-birch.

Lowland hardwood. Stands with a forest type of oak-gum-cypress, elm-ash-cottonwood, palm, or other tropical.

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 forest land. (see: Timberland).

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

Cropland. Land under cultivation within the past 24 months, including orchards and land in soil-improving crops but excluding land cultivated in developing improved pasture. Also includes idle farmland.

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

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 5.0-6.9 inches d.b.h.

Farm. Land on which agricultural operations are being conducted and sale of agricultural products totaled \$1,000 or more during the year.

Farm operator. A person who operates a farm, either doing the work or directly supervising the work.

Farmer-owned land. (see: Other private land).

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

Forest industry-leased land. Land leased or under management contracts to forest industry from other owners for periods of one forest rotation or longer. Land under cutting contracts is not included.

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

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

White pine-hemlock. 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 5 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. Bottom-land 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.)

Palm, other tropicals. Forests in which palms and other tropicals constitute a plurality of the stocking.

Gross growth. Annual increase in merchantable volume of trees in the absence of cutting and mortality. (Gross growth includes survivor growth, ingrowth, growth on ingrowth, growth on removals prior to removal, and growth on mortality prior to death.)

Growing-stock trees. Live sawtimber-size trees of commercial species containing at least a 12-foot log, or two noncontiguous saw logs each 8 feet or longer, meeting minimum grade requirements (hardwoods

must qualify as a log grade of either 3 or 4; softwoods must qualify as a log grade 3) with at least one-third of the gross board-foot volume (International 1/4-inch rule) between a 1-foot stump and the minimum saw-log top being sound, or a live tree below sawtimber size that will prospectively qualify under the above standards.

Growing-stock volume. Volume (cubic feet) of solid wood in growing-stock trees 5.0 inches d.b.h. and larger, from a 1-foot stump to a minimum 4.0-inch top diameter, outside bark, on the central stem. Volume of solid wood in primary forks from the point of occurrence to a minimum 4.0-inch top diameter outside bark is included.

Hardwoods. Angiosperms; dicotyledonous trees (including all palm species which are monocotyledonous), usually broadleaf and deciduous.

Soft hardwoods. Soft-textured hardwoods such as boxelder, red and silver maples, hackberry, loblolly-bay, sweetgum, yellow-poplar, magnolia, sweet-bay, water tupelo, blackgum, sycamore, cottonwood, black cherry, willow, basswood, and elm.

Hard hardwoods. Hard-textured hardwoods such as sugar maple, birch, hickory, dogwood, persimmon (forest grown), black locust, beech, ash, honey-locust, holly, black walnut, mulberry, and all commercial oaks.

Idle farmland. Cropland, orchard, improved pasture, and farm sites not tended within the past 2 years, and currently less than 16.7 percent stocked with live trees.

Improved pasture. Land currently improved for grazing by cultivation, seeding, irrigation, or clearing of trees or brush.

Industrial wood. All roundwood products except fuelwood.

Ingrowth. The number or net volume of trees that grow large enough during a specified year to qualify as saplings, poletimber, or sawtimber.

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 trees 1.0-inch d.b.h. and larger which are not dead at the time of inventory.

Live-tree volume. Volume (cubic feet) of wood above the ground line in live trees 1.0 inch d.b.h. and larger. The volume in twigs and lateral limbs smaller than 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.

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

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

Manageable stand. Timberland at least 60 percent stocked with growing-stock trees that can be featured together under a management scheme.

Merchantable portion. That portion of live trees 5.0 inches d.b.h. and larger between a 1-foot stump and a minimum 4.0-inch top diameter outside bark on the central stem. That portion of primary forks from the point of occurrence to a minimum 4.0-inch top diameter outside bark is included.

Merchantable volume. Solid-wood volume in merchantable portion of live trees.

Miscellaneous Federal land. Federal land other than national forests, land administered by the Bureau of Land Management, and land administered by the Bureau of Indian Affairs.

Miscellaneous private land. (see: Other private land).

Mortality. The merchantable volume in trees that have died from natural causes during a specified period.

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.

Net annual growth. The net change in merchantable volume for a specific year in the absence of cutting (gross growth minus mortality for that specified year).

Net volume. Gross volume of wood less deductions for rot, sweep, or other defect affecting use for timber products.

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

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

Nonindustrial private forest (NIPF) land. (see: Other private land).

Nonstocked forest land. Timberland less than 16.7 percent stocked with growing-stock trees.

Other private land. Privately owned land excluding forest industry land or forest industry-leased land. Also referred to as nonindustrial private forest (NIPF) land.

Farmer-owned land. Owned by farm operators, excluding incorporated farm ownerships.

Other individual land. Owned by individuals other than farm operators.

Other corporate land. Owned by corporations, including incorporated farm ownerships.

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 that result in the removal of the trees from timberland.

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, which is suitable for chipping.

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

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

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

Poletimber-size trees. Live trees at least 5.0 inches d.b.h. but smaller than sawtimber size.

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

Productive-reserved forest land. (see: Reserved timberland).

Rangeland. Land on which the natural vegetation is predominantly native grasses, grasslike plants, forbs, or shrubs valuable for forage, not qualifying as timberland and not developed for another land use. Rangeland includes natural grassland and savannah.

Reserved timberland. Forest land sufficiently productive to qualify as timberland, but withdrawn from timber utilization through statute or administrative designation.

Rotten trees. Live trees of commercial species that do not contain 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 that do not contain 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 which is produced from roundwood.

Salvable dead trees. Standing or down dead trees considered utilizable by Forest Inventory and Analysis standards.

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, and with a minimum diameter inside bark for softwoods of 6 inches (8 inches for hardwoods).

Saw-log portion. That part of the bole of sawtimber trees between a 1-foot stump and the saw-log top, including the portion of forks large enough to contain a saw log.

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 in diameter outside bark (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 in d.b.h. Only seedlings of a commercial species that are not overtopped and are more than 6 inches tall for softwoods and 1 foot tall for hardwoods are counted.

Site class. A classification of forest land in terms of inherent capacity to grow crops of industrial wood based on fully stocked natural stands, by annual production capacity.

Softwoods. Gymnosperms; in the order Coniferales, usually evergreen (includes the genus *Taxodium* which is deciduous), having needles or scalelike leaves.

Pines. Yellow pine species which include loblolly, longleaf, slash, pond, shortleaf, pitch, Virginia, sand, spruce, and Table Mountain pines.

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

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 16.7 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 16.7 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 16.7 percent stocked with live trees of which more than half of total stocking is saplings and seedlings.

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.

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.

Fully stocked. 100 percent or more stocking.

Medium stocked. 60 to 99 percent stocking.

Poorly stocked. Less than 60 percent stocking.

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 |

Survivor growth. The merchantable volume increment on trees 5.0 inches d.b.h. and larger in the inventory at the beginning of the year and surviving to its end.

Timberland. Forest land that is 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.

Timber removals. The merchantable volume of trees removed from the inventory by harvesting, cultural operations such as stand improvement, land clearing, or changes in land use.

Top. The portion of the main stem and forks from a 4.0-inch diameter outside bark to the tips of the main stem and forks, plus all other limbs above the 4.0-inch top at least 0.5 inch in diameter at their point of occurrence.

Treatment opportunity. A classification of the management or treatment that would most improve for timber production the existing condition of the stand being sampled.

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.

Tree grade. A classification of sawtimber trees based on the log grade of the butt log in the tree.

Unproductive forest land. (see: Woodland).

Upper-stem portion. That 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.

Urban and other areas. Areas developed for residential, industrial, or recreational purposes, school yards, cemeteries, roads, railroads, airports, beaches, powerlines and other rights-of-way, or other nonforest land not included in any other specified land use class.

Woodland. Forest land incapable of producing 20 cubic feet per acre per year of industrial wood under natural conditions, because of adverse site conditions.

CONVERSION FACTORS

Cubic feet of wood per average cord (excluding bark)

| D.b.h. class | All species | Pine | Other softwood | Hardwood |
|-----------------|----------------|------|-------------------|----------|
| 6 | 65.3 | 61.0 | 68.2 | 60.0 |
| 8 | 73.0 | 68.1 | 76.0 | 68.4 |
| 10 | 77.9 | 73.1 | 81.4 | 73.4 |
| 12 | 81.6 | 76.7 | 85.2 | 76.4 |
| 14 | 84.3 | 79.4 | 88.2 | 78.4 |
| 16 | 85.5 | 81.6 | 90.4 | 79.8 |
| 18 | 89.2 | 83.3 | 92.3 | 80.8 |
| 20 | 89.1 | 84.8 | 93.8 | 81.5 |
| 22 | 90.1 | 86.0 | 95.1 | 82.1 |
| 24 + | 94.0 | 87.0 | 97.4 | 83.2 |
| Average | 78.7 | 72.8 | 82.2 | 74.6 |

Metric equivalents of units used in this report

| |
|---|
| 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 (4.5 feet) = 1.4 meters above ground level |
| 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 |

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12. Area of timberland, by forest type and stand-size class
13. Area of timberland, by stand-age and broad management classes, all ownerships
14. Area of timberland, by stand-age and broad management classes, public ownerships
15. Area of timberland, by stand-age and broad management classes, forest industry
21. Merchantable volume of live trees and growing stock on timberland, by forest-type and species groups
22. Area of timberland treated or disturbed annually and retained in timberland, by treatment or disturbance and ownership class
23. Area of timberland treated or disturbed annually and retained in timberland, by treatment or disturbance and broad management class
24. Area of timberland regenerated annually, by type of regeneration and broad management class
25. Area of timberland, by treatment opportunity and broad management classes
26. Area of timberland, by treatment opportunity and ownership classes
27. Merchantable volume of live trees and growing stock on timberland, by ownership class and species group
28. Volume of sawtimber on timberland, by ownership class and species group
29. Average net annual growth and removals of growing stock on timberland, by ownership class and species group

- | | |
|--|---|
| <p>30. Average net annual growth and removals of sawtimber on timberland, by ownership class and species group</p> <p>31. Volume of timber on timberland, by class of timber and species group</p> <p>32. Number of live trees on timberland, by species and diameter class</p> <p>33. Number of growing-stock trees on timberland, by species and diameter class</p> <p>34. Merchantable volume of live trees on timberland, by species and diameter class</p> <p>35. Volume of growing stock on timberland, by species and diameter class</p> <p>36. Volume of sawtimber on timberland, by species and diameter class</p> <p>37. Volume of sawtimber on timberland, by species, size class, and tree grade</p> <p>38. Cubic volume in the merchantable saw-log portion of sawtimber trees on timberland, by species and diameter class</p> | <p>39. Total volume of live trees on timberland, by species and diameter class</p> <p>40. Green weight of forest biomass on timberland, by species and diameter class</p> <p>41. Average net annual growth and removals of live timber and growing stock on timberland, by species</p> <p>42. Average net annual growth and removals of sawtimber on timberland, by species</p> <p>43. Average annual removals of growing stock on timberland, by species and diameter class</p> <p>44. Average annual mortality of live timber, growing stock, and sawtimber on timberland, by species</p> <p>45. Change in number of live trees on timberland, by species group, survey completion date, and diameter class</p> <p>46. Land area, by land use class, major forest type, and survey completion date</p> <p>47. Volume of sawtimber, growing stock, and live timber on timberland, by species group, survey completion date, and diameter class</p> |
|--|---|

* Tables 1-12, 27, 29-33, 35-38, 41, 42, and 44 are common to all Forest Inventory and Analysis forest resource statistical reports of the Eastern United States.

Table 1—Area, by county and land class, South Florida, 1995

| County | All land ^a | Forest land | | | | Nonforest land ^b |
|--------------|-----------------------|------------------|----------------|----------------|---------------------|-----------------------------|
| | | Total | Timberland | Woodland | Reserved timberland | |
| <i>Acres</i> | | | | | | |
| Broward | 773,689 | 21,101 | — | 21,101 | — | 752,588 |
| Charlotte | 443,949 | 50,668 | 30,289 | 20,379 | — | 393,281 |
| Collier | 1,296,288 | 602,655 | 190,458 | 263,870 | 148,327 | 693,633 |
| Dade | 1,244,454 | 160,640 | — | 127,764 | 32,876 | 1,083,814 |
| Glades | 495,040 | 103,368 | 91,648 | 11,720 | — | 391,672 |
| Hendry | 737,728 | 71,626 | 62,831 | 8,795 | — | 666,102 |
| Lee | 514,304 | 118,714 | 60,872 | 57,842 | — | 395,590 |
| Martin | 355,629 | 51,434 | 40,647 | 7,407 | 3,380 | 304,195 |
| Monroe | 638,253 | 364,908 | — | 275,857 | 89,051 | 273,345 |
| Palm Beach | 1,301,971 | 122,420 | — | 122,420 | — | 1,179,551 |
| Total | 7,801,305 | 1,667,534 | 476,745 | 917,155 | 273,634 | 6,133,771 |

^a From the U.S. Bureau of the Census, 1990.

^b Includes 91,426 acres of water according to Forest Inventory and Analysis standards of area classification, but defined by the Bureau of Census as land.

Table 2—Area of timberland, by county and ownership class, South Florida, 1995

| County | All ownerships | Ownership class | | | | | | | |
|--------------|----------------|-----------------|-----------------------|---------------|----------------------|------------------------------|---------------|----------------|----------------|
| | | National forest | Miscellaneous Federal | State | County and municipal | Forest industry ^a | Other private | | |
| <i>Acres</i> | | | | | | | | | |
| Broward | — | — | — | — | — | — | — | — | — |
| Charlotte | 30,289 | — | — | 7,114 | 200 | — | 1,532 | 16,848 | 4,595 |
| Collier | 190,458 | — | — | 8,851 | 200 | — | 22,327 | 19,536 | 139,544 |
| Dade | — | — | — | — | — | — | — | — | — |
| Glades | 91,648 | — | — | — | 60 | — | 2,862 | 88,726 | — |
| Hendry | 62,831 | — | — | 459 | — | — | — | 41,581 | 20,791 |
| Lee | 60,872 | — | — | 4,800 | 4,100 | — | — | 10,941 | 41,031 |
| Martin | 40,647 | — | — | 11,854 | 300 | — | — | 14,247 | 14,246 |
| Monroe | — | — | — | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — | — | — | — |
| Total | 476,745 | — | — | 33,078 | 4,860 | — | 26,721 | 191,879 | 220,207 |

^a Includes 0 acres of other private land under long-term lease.

Table 3—Area of timberland, by county and forest-type group, South Florida, 1995

| County | All type groups | Forest-type group | | | | | |
|--------------|-----------------|-------------------|--------------------|---------------|---------------|-----------------|--------------------|
| | | Longleaf-slash | Loblolly-shortleaf | Oak-pine | Oak-hickory | Oak-gum-cypress | Elm-ash-cottonwood |
| <i>Acres</i> | | | | | | | |
| Broward | — | — | — | — | — | — | — |
| Charlotte | 30,289 | 13,985 | — | — | — | 16,304 | — |
| Collier | 190,458 | 28,107 | — | 8,372 | 10,008 | 143,971 | — |
| Dade | — | — | — | — | — | — | — |
| Glades | 91,648 | 45,853 | — | 2,862 | 5,726 | 37,207 | — |
| Hendry | 62,831 | 12,934 | — | 4,158 | 4,158 | 41,581 | — |
| Lee | 60,872 | 29,755 | — | 5,470 | 2,736 | 22,911 | — |
| Martin | 40,647 | 26,400 | 2,850 | 2,850 | 2,849 | 5,698 | — |
| Monroe | — | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — | — |
| Total | 476,745 | 157,034 | 2,850 | 23,712 | 25,477 | 267,672 | — |

Table 4—Area of timberland, by county and stand-size class, South Florida, 1995

| County | All stands | Stand-size class | | | Nonstocked areas |
|--------------|----------------|------------------|----------------|------------------|------------------|
| | | Sawtimber | Poletimber | Sapling-seedling | |
| <i>Acres</i> | | | | | |
| Broward | — | — | — | — | — |
| Charlotte | 30,289 | 13,786 | 10,377 | 1,532 | 4,594 |
| Collier | 190,458 | 85,361 | 63,235 | 27,907 | 13,955 |
| Dade | — | — | — | — | — |
| Glades | 91,648 | 34,347 | 17,232 | 20,034 | 20,035 |
| Hendry | 62,831 | 33,264 | 17,092 | 8,317 | 4,158 |
| Lee | 60,872 | 9,570 | 29,419 | 19,148 | 2,735 |
| Martin | 40,647 | 20,172 | 17,625 | 2,850 | — |
| Monroe | — | — | — | — | — |
| Palm Beach | — | — | — | — | — |
| Total | 476,745 | 196,500 | 154,980 | 79,788 | 45,477 |

Table 5—Area of timberland, by county and site class, South Florida, 1995

| County | All classes | Site class (cubic feet per acre per year) | | | | |
|--------------|----------------|---|----------|--------------|----------------|----------------|
| | | > 164 | 120-164 | 85-119 | 50-84 | 20-49 |
| <i>Acres</i> | | | | | | |
| Broward | — | — | — | — | — | — |
| Charlotte | 30,289 | — | — | 1,532 | 13,784 | 14,973 |
| Collier | 190,458 | — | — | 2,791 | 69,769 | 117,898 |
| Dade | — | — | — | — | — | — |
| Glades | 91,648 | — | — | — | 54,379 | 37,269 |
| Hendry | 62,831 | — | — | — | 33,265 | 29,566 |
| Lee | 60,872 | — | — | — | 10,942 | 49,930 |
| Martin | 40,647 | — | — | — | 14,475 | 26,172 |
| Monroe | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — |
| Total | 476,745 | — | — | 4,323 | 196,614 | 275,808 |

Table 6—Area of timberland, by county and stocking class of growing-stock trees, South Florida, 1995

| County | All classes | Stocking class (percent) ^a | | | | |
|--------------|----------------|---------------------------------------|---------------|---------------|----------------|----------------|
| | | > 130 | 100-130 | 60-99 | 16.7-59 | < 16.7 |
| <i>Acres</i> | | | | | | |
| Broward | — | — | — | — | — | — |
| Charlotte | 30,289 | 3,063 | 4,596 | 8,646 | 3,264 | 10,720 |
| Collier | 190,458 | 16,745 | 25,118 | 33,490 | 68,818 | 46,287 |
| Dade | — | — | — | — | — | — |
| Glades | 91,648 | 2,862 | 14,310 | 17,172 | 20,094 | 37,210 |
| Hendry | 62,831 | 12,474 | 12,475 | 8,317 | 17,091 | 12,474 |
| Lee | 60,872 | — | 10,941 | 10,608 | 33,853 | 5,470 |
| Martin | 40,647 | — | 2,850 | 11,625 | 20,473 | 5,699 |
| Monroe | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — |
| Total | 476,745 | 35,144 | 70,290 | 89,858 | 163,593 | 117,860 |

^a See stocking standards under "stocking" in definitions.

Table 7—Volume of growing stock and sawtimber on timberland, by county and species group, South Florida, 1995

| County | Growing stock | | | | | Sawtimber | | | | |
|--------------|----------------------------|----------------|----------------|---------------|---------------|----------------------------|----------------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| | <i>Thousand cubic feet</i> | | | | | <i>Thousand board feet</i> | | | | |
| Broward | — | — | — | — | — | — | — | — | — | — |
| Charlotte | 31,223 | 13,864 | 16,626 | — | 733 | 74,487 | 37,823 | 33,736 | — | 2,928 |
| Collier | 191,337 | 36,363 | 138,516 | 11,367 | 5,091 | 587,383 | 121,926 | 426,028 | 23,130 | 16,299 |
| Dade | — | — | — | — | — | — | — | — | — | — |
| Glades | 52,991 | 13,911 | 32,621 | 4,658 | 1,801 | 191,785 | 46,219 | 126,549 | 10,051 | 8,966 |
| Hendry | 102,080 | 4,742 | 89,060 | 2,624 | 5,654 | 365,354 | 19,748 | 309,863 | 11,962 | 23,781 |
| Lee | 47,715 | 17,724 | 29,262 | — | 729 | 67,357 | 26,010 | 41,347 | — | — |
| Martin | 31,501 | 28,276 | 2,347 | — | 878 | 107,767 | 104,390 | — | — | 3,377 |
| Monroe | — | — | — | — | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — | — | — | — | — |
| Total | 456,847 | 114,880 | 308,432 | 18,649 | 14,886 | 1,394,133 | 356,116 | 937,523 | 45,143 | 55,351 |

Table 8—Average net annual growth of growing stock and sawtimber on timberland, by county and species group, South Florida, 1988-1994

| County | Growing stock | | | | | Sawtimber | | | | |
|--------------|----------------------------|--------------|----------------|---------------|---------------|----------------------------|---------------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| | <i>Thousand cubic feet</i> | | | | | <i>Thousand board feet</i> | | | | |
| Broward | — | — | — | — | — | — | — | — | — | — |
| Charlotte | 600 | 202 | 346 | 6 | 46 | 3,115 | 2,258 | 643 | — | 214 |
| Collier | 3,122 | 1,511 | 2,407 | -579 | -217 | 14,594 | 6,641 | 12,646 | -2,692 | -2,001 |
| Dade | — | — | — | — | — | — | — | — | — | — |
| Glades | 1,365 | 894 | 340 | 56 | 75 | 7,550 | 4,407 | 1,955 | 632 | 556 |
| Hendry | 1,890 | 301 | 1,664 | -118 | 43 | 9,046 | 1,849 | 7,294 | -519 | 422 |
| Lee | 1,267 | 1,084 | 101 | — | 82 | 4,011 | 3,062 | 949 | — | — |
| Martin | 930 | 611 | 316 | — | 3 | 1,199 | 1,181 | — | — | 18 |
| Monroe | — | — | — | — | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — | — | — | — | — |
| Total | 9,174 | 4,603 | 5,174 | -635 | 32 | 39,515 | 19,398 | 23,487 | -2,579 | -791 |

Table 9—Average annual removals of growing stock and sawtimber on timberland, by county and species group, South Florida, 1988-1994

| County | Growing stock | | | | Sawtimber | | | | | |
|--------------|----------------------------|--------------|----------------|---------------|---------------|----------------------------|---------------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| | <i>Thousand cubic feet</i> | | | | | <i>Thousand board feet</i> | | | | |
| Broward | — | — | — | — | — | — | — | — | — | — |
| Charlotte | 99 | — | — | 35 | 64 | 366 | — | — | — | 366 |
| Collier | 5,238 | 434 | 3,896 | 454 | 454 | 17,605 | 2,018 | 11,994 | 2,191 | 1,402 |
| Dade | — | — | — | — | — | — | — | — | — | — |
| Glades | 3,528 | 3,434 | 94 | — | — | 10,909 | 10,508 | 401 | — | — |
| Hendry | 3,275 | 2,727 | 495 | — | 53 | 9,711 | 8,931 | 780 | — | — |
| Lee | 810 | 810 | — | — | — | 1,552 | 1,552 | — | — | — |
| Martin | — | — | — | — | — | — | — | — | — | — |
| Monroe | — | — | — | — | — | — | — | — | — | — |
| Palm Beach | — | — | — | — | — | — | — | — | — | — |
| Total | 12,950 | 7,405 | 4,485 | 489 | 571 | 40,143 | 23,009 | 13,175 | 2,191 | 1,768 |

Table 10—Area of timberland, by forest type and ownership class, South Florida, 1995

| Forest type | Ownership class | | | | | |
|-----------------------|-------------------|--------------------|-----------------|--------------------|-------------------------------|------------------|
| | All ownerships | National forest | Other public | Forest industry | Forest industry- leased | Other private |
| <i>Acres</i> | | | | | | |
| Softwood types | | | | | | |
| Longleaf pine | 5,724 | — | — | — | — | 5,724 |
| Slash pine | 151,310 | — | 15,473 | — | — | 135,837 |
| Loblolly pine | — | — | — | — | — | — |
| Shortleaf pine | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — |
| Sand pine | 2,850 | — | — | — | — | 2,850 |
| Eastern redcedar | — | — | — | — | — | — |
| Pond pine | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — |
| Total | 159,884 | — | 15,473 | — | — | 144,411 |
| Hardwood types | | | | | | |
| Oak-pine | 23,712 | — | — | — | — | 23,712 |
| Oak-hickory | 22,686 | — | 4,426 | — | — | 18,260 |
| Chestnut oak | — | — | — | — | — | — |
| Southern scrub oak | 2,791 | — | — | — | — | 2,791 |
| Oak-gum-cypress | 267,672 | — | 18,039 | — | — | 249,633 |
| Elm-ash-cottonwood | — | — | — | — | — | — |
| Total | 316,861 | — | 22,465 | — | — | 294,396 |
| All types | 476,745 | — | 37,938 | — | — | 438,807 |

Table 11—Area of timberland, by ownership and stocking classes of growing-stock trees, South Florida, 1995

| Ownership class | All classes | Stocking class (percent) ^a | | | | |
|------------------------|----------------|---------------------------------------|---------------|---------------|----------------|----------------|
| | | > 130 | 100-130 | 60-99 | 16.7-59 | < 16.7 |
| <i>Acres</i> | | | | | | |
| National forest | — | — | — | — | — | — |
| Other public | 37,938 | — | — | 15,441 | 18,072 | 4,425 |
| Forest industry | — | — | — | — | — | — |
| Forest industry-leased | — | — | — | — | — | — |
| Other private | 438,807 | 35,144 | 70,290 | 74,417 | 145,521 | 113,435 |
| All ownerships | 476,745 | 35,144 | 70,290 | 89,858 | 163,593 | 117,860 |

^a See stocking standards under "stocking" in definitions.

Table 12—Area of timberland, by forest type and stand-size class, South Florida, 1995

| Forest type | All stands | Stand-size class | | | Nonstocked areas |
|-----------------------|----------------|------------------|----------------|------------------|------------------|
| | | Sawtimber | Poletimber | Sapling-seedling | |
| <i>Acres</i> | | | | | |
| Softwood types | | | | | |
| Longleaf pine | 5,724 | — | 5,724 | — | — |
| Slash pine | 151,310 | 42,959 | 51,555 | 35,156 | 21,640 |
| Loblolly pine | — | — | — | — | — |
| Shortleaf pine | — | — | — | — | — |
| Virginia pine | — | — | — | — | — |
| Sand pine | 2,850 | — | 2,850 | — | — |
| Eastern redcedar | — | — | — | — | — |
| Pond pine | — | — | — | — | — |
| Spruce pine | — | — | — | — | — |
| Pitch pine | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — |
| Total | 159,884 | 42,959 | 60,129 | 35,156 | 21,640 |
| Hardwood types | | | | | |
| Oak-pine | 23,712 | 8,444 | 2,790 | 12,478 | — |
| Oak-hickory | 22,686 | 12,733 | 9,953 | — | — |
| Chestnut oak | — | — | — | — | — |
| Southern scrub oak | 2,791 | — | — | 2,791 | — |
| Oak-gum-cypress | 267,672 | 132,364 | 82,108 | 29,363 | 23,837 |
| Elm-ash-cottonwood | — | — | — | — | — |
| Total | 316,861 | 153,541 | 94,851 | 44,632 | 23,837 |
| All types | 476,745 | 196,500 | 154,980 | 79,788 | 45,477 |

Table 13—Area of timberland, by stand-age and broad management classes, all ownerships, South Florida, 1995

| Stand-age class (years) | All classes | Broad management class | | | | Lowland hardwood |
|-------------------------|----------------|------------------------|----------------|---------------|-----------------|------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | |
| <i>Acres</i> | | | | | | |
| 0-10 | 17,046 | 14,310 | 2,736 | — | — | — |
| 11-20 | 15,674 | — | 12,812 | — | — | 2,862 |
| 21-30 | 36,715 | 4,393 | 14,079 | — | — | 18,243 |
| 31-40 | 48,151 | 2,862 | 42,498 | — | — | 2,791 |
| 41-50 | 22,133 | — | 14,949 | 2,790 | — | 4,394 |
| 51-60 | 12,825 | — | 5,640 | — | — | 7,185 |
| 61-70 | 30,833 | — | — | — | 4,158 | 26,675 |
| 71-80 | 9,684 | — | — | — | — | 9,684 |
| 81 + | 68,266 | — | — | 2,791 | — | 65,475 |
| No manageable stand | 215,418 | 2,862 | 42,743 | 18,131 | 21,319 | 130,363 |
| All classes | 476,745 | 24,427 | 135,457 | 23,712 | 25,477 | 267,672 |

Table 14—Area of timberland, by stand-age and broad management classes, public ownerships, South Florida, 1995

| Stand-age class (years) | All classes | Broad management class | | | | |
|----------------------------|----------------|------------------------|-----------------|----------|--------------------|---------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres</i> | | | | | | |
| 0-10 | — | — | — | — | — | — |
| 11-20 | — | — | — | — | — | — |
| 21-30 | — | — | — | — | — | — |
| 31-40 | 11,854 | — | 11,854 | — | — | — |
| 41-50 | 3,619 | — | 3,619 | — | — | — |
| 51-60 | — | — | — | — | — | — |
| 61-70 | 9,514 | — | — | — | — | 9,514 |
| 71-80 | — | — | — | — | — | — |
| 81 + | — | — | — | — | — | — |
| No manageable stand | 12,951 | — | — | — | 4,426 | 8,525 |
| All classes | 37,938 | — | 15,473 | — | 4,426 | 18,039 |

Table 15—Area of timberland, by stand-age and broad management classes, forest industry,^a South Florida, 1995

| Stand-age class (years) | All classes | Broad management class | | | | |
|----------------------------|---|------------------------|-----------------|----------|--------------------|---------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres</i> | | | | | | |
| 0-10 | — | — | — | — | — | — |
| 11-20 | — | — | — | — | — | — |
| 21-30 | — | — | — | — | — | — |
| 31-40 | — | — | — | — | — | — |
| 41-50 | [No Forest Industry Timberland was Sampled in this Survey Unit] | | | | | |
| 51-60 | — | — | — | — | — | — |
| 61-70 | — | — | — | — | — | — |
| 71-80 | — | — | — | — | — | — |
| 81 + | — | — | — | — | — | — |
| No manageable stand | — | — | — | — | — | — |
| All classes | — | — | — | — | — | — |

^a Includes 0 acres of other private land under long-term lease.

Table 16—Area of timberland, by stand-age and broad management classes, other private ownerships,^a South Florida, 1995

| Stand-age class (years) | All classes | Broad management class | | | | |
|----------------------------|----------------|------------------------|-----------------|----------|--------------------|---------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres</i> | | | | | | |
| 0-10 | 17,046 | 14,310 | 2,736 | — | — | — |
| 11-20 | 15,674 | — | 12,812 | — | — | 2,862 |
| 21-30 | 36,715 | 4,393 | 14,079 | — | — | 18,243 |
| 31-40 | 36,297 | 2,862 | 30,644 | — | — | 2,791 |
| 41-50 | 18,514 | — | 11,330 | 2,790 | — | 4,394 |
| 51-60 | 12,825 | — | 5,640 | — | — | 7,185 |
| 61-70 | 21,319 | — | — | — | 4,158 | 17,161 |
| 71-80 | 9,684 | — | — | — | — | 9,684 |
| 81 + | 68,266 | — | — | 2,791 | — | 65,475 |
| No manageable stand | 202,467 | 2,862 | 42,743 | 18,131 | 16,893 | 121,838 |
| All classes | 438,807 | 24,427 | 119,984 | 23,712 | 21,051 | 249,633 |

^a Excludes 0 acres of other private land under long-term lease to forest industry.

Table 17—Area of timberland, by broad management and stand-volume classes, South Florida, 1995

| Broad management class | All classes | Stand-volume class (cubic feet of growing stock per acre) | | | | |
|------------------------|----------------|--|---------|-----------|-----------|--------|
| | | 0-499 | 500-999 | 1000-1499 | 1500-1999 | 2000 + |
| <i>Acres</i> | | | | | | |
| Pine plantation | 24,427 | 17,172 | 2,862 | 2,862 | — | 1,531 |
| Natural pine | 135,457 | 58,106 | 47,387 | 14,188 | 11,453 | 4,323 |
| Oak-pine | 23,712 | 18,131 | 5,581 | — | — | — |
| Upland hardwood | 25,477 | 14,102 | 7,217 | 4,158 | — | — |
| Lowland hardwood | 267,672 | 105,556 | 47,465 | 32,241 | 16,817 | 65,593 |
| All classes | 476,745 | 213,067 | 110,512 | 53,449 | 28,270 | 71,447 |

Table 18 — Volume of growing stock on timberland, by broad management class, species group, and stand-age class, South Florida, 1995

| Broad management class and species group | All classes | No manageable stand | Stand-age class (years) | | | | | | | | Total |
|--|----------------|---------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| | | | 0-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | |
| Pine plantation | | | | | | | | | | | |
| Softwood | 10,631 | 839 | -- | -- | 6,749 | 3,043 | -- | -- | -- | -- | -- |
| Hardwood | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | 10,631 | 839 | -- | -- | 6,749 | 3,043 | -- | -- | -- | -- | -- |
| Natural pine | | | | | | | | | | | |
| Softwood | 89,087 | 7,165 | -- | 11,863 | 8,398 | 43,948 | 10,079 | 7,634 | -- | -- | -- |
| Hardwood | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | 89,087 | 7,165 | -- | 11,863 | 8,398 | 43,948 | 10,079 | 7,634 | -- | -- | -- |
| Oak-pine | | | | | | | | | | | |
| Softwood | 7,547 | 3,754 | -- | -- | -- | -- | 2,513 | -- | -- | -- | 1,280 |
| Hardwood | 291 | 291 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | 7,838 | 4,045 | -- | -- | -- | -- | 2,513 | -- | -- | -- | 1,280 |
| Upland hardwood | | | | | | | | | | | |
| Softwood | 2,363 | 2,363 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hardwood | 9,362 | 4,760 | -- | -- | -- | -- | -- | 4,602 | -- | -- | -- |
| Total | 11,725 | 7,123 | -- | -- | -- | -- | -- | 4,602 | -- | -- | -- |
| Lowland hardwood | | | | | | | | | | | |
| Softwood | 313,684 | 23,452 | -- | -- | 7,851 | 2,190 | 2,673 | 22,300 | 43,432 | 39,315 | 172,471 |
| Hardwood | 23,882 | 10,318 | -- | 258 | 1,120 | -- | 3,141 | 1,042 | 4,442 | 340 | 3,221 |
| Total | 337,566 | 33,770 | -- | 258 | 8,971 | 2,190 | 5,814 | 23,342 | 47,874 | 39,655 | 175,692 |
| All types | | | | | | | | | | | |
| Softwood | 423,312 | 37,573 | -- | 11,863 | 22,998 | 49,181 | 15,265 | 29,934 | 43,432 | 39,315 | 173,751 |
| Hardwood | 33,535 | 15,369 | -- | 258 | 1,120 | -- | 3,141 | 1,042 | 9,044 | 340 | 3,221 |
| Total | 456,847 | 52,942 | -- | 12,121 | 24,118 | 49,181 | 18,406 | 30,976 | 52,476 | 39,655 | 176,972 |

Table 19—Average net annual growth of growing stock on timberland, by broad management class, species group, and stand-age class, South Florida, 1988-1994

| Broad management class ^a and species group | All classes | No manageable stand | Stand-age class (years) ^a | | | | | | | | 81+ |
|---|--------------|---------------------|--------------------------------------|--------------|------------|--------------|------------|------------|------------|--------------|----------|
| | | | 0-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | |
| Pine plantation | | | | | | | | | | | |
| Softwood | 545 | — | 95 | 450 | — | — | — | — | — | — | — |
| Hardwood | — | — | — | — | — | — | — | — | — | — | — |
| Total | 545 | — | 95 | 450 | — | — | — | — | — | — | — |
| Natural pine | | | | | | | | | | | |
| Softwood | 3,521 | 609 | 448 | 1,323 | 573 | 222 | 133 | — | — | — | — |
| Hardwood | 55 | — | — | — | 8 | — | 47 | — | — | — | — |
| Total | 3,576 | 609 | 448 | 1,323 | 581 | 222 | 180 | — | — | — | — |
| Oak-pine | | | | | | | | | | | |
| Softwood | 492 | 115 | — | 73 | — | 304 | — | — | — | — | — |
| Hardwood | — | — | — | — | — | — | — | — | — | — | — |
| Total | 492 | 115 | — | 73 | — | 304 | — | — | — | — | — |
| Upland hardwood | | | | | | | | | | | |
| Softwood | — | — | — | — | — | — | — | — | — | — | — |
| Hardwood | 119 | 85 | — | — | — | — | 34 | — | — | — | — |
| Total | 119 | 85 | — | — | — | — | 34 | — | — | — | — |
| Lowland hardwood | | | | | | | | | | | |
| Softwood | 5,219 | 384 | 8 | 316 | 119 | 157 | 505 | 946 | 1,075 | 1,709 | — |
| Hardwood | -777 | 16 | 35 | — | 29 | 351 | 32 | -398 | -745 | -97 | — |
| Total | 4,442 | 400 | 43 | 316 | 148 | 508 | 537 | 548 | 330 | 1,612 | — |
| All types | | | | | | | | | | | |
| Softwood | 9,777 | 1,108 | 551 | 2,162 | 692 | 683 | 638 | 946 | 1,075 | 1,709 | — |
| Hardwood | -603 | 101 | 35 | — | 37 | 351 | 113 | -398 | -745 | -97 | — |
| Total | 9,174 | 1,209 | 586 | 2,162 | 729 | 1,034 | 751 | 548 | 330 | 1,612 | — |

^a Classifications at the beginning of the remeasurement period.

Table 20—Average annual removals of growing stock on timberland, by broad management class, species group, and stand-age class, South Florida, 1988-1994

| Broad management class ^a and species group | All classes | | Stand-age class (years) ^a | | | | | | | | |
|---|---------------------|--------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | No manageable stand | | 0-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81+ |
| <i>Thousand cubic feet</i> | | | | | | | | | | | |
| Pine plantation | | | | | | | | | | | |
| Softwood | | 1,710 | -- | 282 | 1,428 | -- | -- | -- | -- | -- | -- |
| Hardwood | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | | 1,710 | -- | 282 | 1,428 | -- | -- | -- | -- | -- | -- |
| Natural pine | | | | | | | | | | | |
| Softwood | | 4,988 | 772 | -- | -- | 2,736 | 461 | 1,019 | -- | -- | -- |
| Hardwood | | 53 | -- | -- | -- | 53 | -- | -- | -- | -- | -- |
| Total | | 5,041 | 772 | -- | -- | 2,789 | 461 | 1,019 | -- | -- | -- |
| Oak-pine | | | | | | | | | | | |
| Softwood | | 430 | 430 | -- | -- | -- | -- | -- | -- | -- | -- |
| Hardwood | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | | 430 | 430 | -- | -- | -- | -- | -- | -- | -- | -- |
| Upland hardwood | | | | | | | | | | | |
| Softwood | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Hardwood | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lowland hardwood | | | | | | | | | | | |
| Softwood | | 4,762 | 455 | -- | -- | -- | 54 | 94 | 1,558 | 370 | 2,231 |
| Hardwood | | 1,007 | 471 | -- | -- | -- | -- | -- | -- | 536 | -- |
| Total | | 5,769 | 926 | -- | -- | -- | 54 | 94 | 1,558 | 906 | 2,231 |
| All types | | | | | | | | | | | |
| Softwood | | 11,890 | 1,657 | -- | 282 | 1,428 | 2,736 | 515 | 1,113 | 1,558 | 370 |
| Hardwood | | 1,060 | 471 | -- | -- | -- | 53 | -- | -- | 536 | -- |
| Total | | 12,950 | 2,128 | -- | 282 | 1,428 | 2,789 | 515 | 1,113 | 1,558 | 906 |

^a Classifications at the beginning of the remeasurement period.

Table 21—Merchantable volume of live trees and growing stock on timberland, by forest-type and species groups, South Florida, 1995

| Forest-type group | Live trees | | | | | Growing stock | | | | |
|----------------------------|-------------|---------|----------------|---------------|---------------|---------------|---------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| <i>Thousand cubic feet</i> | | | | | | | | | | |
| Longleaf-slash pine | 104,109 | 94,516 | 6,550 | — | 3,043 | 98,442 | 93,687 | 4,755 | — | — |
| Loblolly-shortleaf pine | 1,276 | 1,276 | — | — | — | 1,276 | 1,276 | — | — | — |
| Oak-pine | 10,301 | 5,079 | 2,773 | — | 2,449 | 7,838 | 4,774 | 2,773 | — | 291 |
| Oak-hickory | 25,454 | 1,034 | 1,329 | 1,652 | 21,439 | 11,725 | 1,034 | 1,329 | 1,652 | 7,710 |
| Oak-gum-cypress | 384,098 | 14,387 | 316,634 | 26,328 | 26,749 | 337,566 | 14,109 | 299,575 | 16,997 | 6,885 |
| Elm-ash-cottonwood | — | — | — | — | — | — | — | — | — | — |
| All types | 525,238 | 116,292 | 327,286 | 27,980 | 53,680 | 456,847 | 114,880 | 308,432 | 18,649 | 14,886 |

Table 22—Area of timberland treated or disturbed annually and retained in timberland, by treatment or disturbance and ownership class, South Florida, 1988 to 1995

| Treatment or disturbance | Ownership class | | | | |
|--------------------------------------|-----------------|--------|-----------------|------------------------|---------------|
| | All ownerships | Public | Forest industry | Forest industry-leased | Other private |
| <i>Acres^a</i> | | | | | |
| Final harvest | 4,948 | — | — | — | 4,948 |
| Partial harvest ^b | — | — | — | — | — |
| Commercial thinning | 796 | — | — | — | 796 |
| Other stand improvement | — | — | — | — | — |
| Site preparation | 1,194 | — | — | — | 1,194 |
| Artificial regeneration ^c | 1,990 | — | — | — | 1,990 |
| Natural regeneration ^c | 397 | — | — | — | 397 |
| Other treatment | 1,162 | — | — | — | 1,162 |
| Natural disturbance | 8,238 | — | — | — | 8,238 |

^a Since some acres experience more than one treatment or disturbance, there are no column totals.

^b Includes high-grading and some selective cutting.

^c Includes establishment of trees for timber production on forest and nonforest land.

Table 23—Area of timberland treated or disturbed annually and retained in timberland, by treatment or disturbance and broad management class, South Florida, 1988 to 1995

| Treatment or disturbance | All classes | Broad management class ^a | | | | |
|------------------------------|-------------|-------------------------------------|--------------|----------|-----------------|------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres^b</i> | | | | | | |
| Final harvest | 4,948 | 1,990 | 1,780 | — | — | 1,178 |
| Partial harvest ^c | — | — | — | — | — | — |
| Commercial thinning | 796 | 796 | — | — | — | — |
| Other stand improvement | — | — | — | — | — | — |
| Site preparation | 1,194 | 796 | 398 | — | — | — |
| Other treatment | 1,162 | — | 398 | 382 | — | 382 |
| Natural disturbance | 8,238 | 1,194 | 1,826 | 396 | — | 4,822 |

^a Classification before treatment or disturbance.

^b Since some acres experience more than one treatment or disturbance, there are no column totals.

^c Includes high-grading and some selective cutting.

Table 24—Area of timberland regenerated annually, by type of regeneration and broad management class, South Florida, 1988 to 1995

| Type of regeneration | All classes | Broad management class ^a | | | | |
|--|--------------|-------------------------------------|--------------|----------|-----------------|------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres</i> | | | | | | |
| Artificial regeneration following harvest | 796 | 796 | — | — | — | — |
| Natural regeneration following harvest | — | — | — | — | — | — |
| Other artificial regeneration on forest land | 398 | 398 | — | — | — | — |
| Other natural regeneration on forest land | 397 | — | 397 | — | — | — |
| Artificial regeneration on nonforest land | 796 | 796 | — | — | — | — |
| Natural reversion of nonforest land | — | — | — | — | — | — |
| Total | 2,387 | 1,990 | 397 | — | — | — |

^a Classification after regeneration.

Table 25—Area of timberland, by treatment opportunity and broad management classes, South Florida, 1995

| Treatment opportunity class | All classes | Broad management class | | | | |
|------------------------------------|----------------|------------------------|----------------|---------------|-----------------|------------------|
| | | Pine plantation | Natural pine | Oak-pine | Upland hardwood | Lowland hardwood |
| <i>Acres</i> | | | | | | |
| Salvage | 2,862 | 2,862 | — | — | — | — |
| Harvest | 57,032 | — | — | 2,791 | — | 54,241 |
| Commercial thinning | — | — | — | — | — | — |
| Other stand improvement | 5,582 | — | 2,791 | — | — | 2,791 |
| Stand conversion | — | — | — | — | — | — |
| Regeneration | 204,369 | 2,862 | 42,743 | 18,131 | 21,319 | 119,314 |
| Stand in relatively good condition | 159,085 | 18,703 | 87,074 | 2,790 | 4,158 | 46,360 |
| Adverse sites ^a | 47,815 | — | 2,849 | — | — | 44,966 |
| All classes | 476,745 | 24,427 | 135,457 | 23,712 | 25,477 | 267,672 |

^a Areas where management opportunities are severely limited because of steep slopes or poor drainage.

Table 26—Area of timberland, by treatment opportunity and ownership classes, South Florida, 1995

| Treatment opportunity class | All ownerships | Ownership class | | | |
|------------------------------------|----------------|-----------------|-----------------|------------------------|----------------|
| | | Public | Forest industry | Forest industry-leased | Other private |
| <i>Acres</i> | | | | | |
| Salvage | 2,862 | — | — | — | 2,862 |
| Harvest | 57,032 | — | — | — | 57,032 |
| Commercial thinning | — | — | — | — | — |
| Other stand improvement | 5,582 | — | — | — | 5,582 |
| Stand conversion | — | — | — | — | — |
| Regeneration | 204,369 | 8,851 | — | — | 195,518 |
| Stand in relatively good condition | 159,085 | 15,473 | — | — | 143,612 |
| Adverse sites ^a | 47,815 | 13,614 | — | — | 34,201 |
| All classes | 476,745 | 37,938 | — | — | 438,807 |

^a Areas where management opportunities are severely limited because of steep slopes or poor drainage.

Table 27—Merchantable volume of live trees and growing stock on timberland, by ownership class and species group, South Florida, 1995

| Ownership class | Live trees | | | | | Growing stock | | | | |
|----------------------------|-------------|---------|----------------|---------------|---------------|---------------|---------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| <i>Thousand cubic feet</i> | | | | | | | | | | |
| National forest | — | — | — | — | — | — | — | — | — | — |
| Other public | 27,476 | 12,026 | 12,683 | — | 2,767 | 23,754 | 12,026 | 10,058 | — | 1,670 |
| Forest industry | — | — | — | — | — | — | — | — | — | — |
| Forest industry-leased | — | — | — | — | — | — | — | — | — | — |
| Other private | 497,762 | 104,266 | 314,603 | 27,980 | 50,913 | 433,093 | 102,854 | 298,374 | 18,649 | 13,216 |
| All ownerships | 525,238 | 116,292 | 327,286 | 27,980 | 53,680 | 456,847 | 114,880 | 308,432 | 18,649 | 14,886 |

Table 28—Volume of sawtimber on timberland, by ownership class and species group, South Florida, 1995

| Ownership class | Small sawtimber ^a | | | | | Large sawtimber ^b | | | | |
|----------------------------|------------------------------|---------|----------------|---------------|---------------|------------------------------|---------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| <i>Thousand board feet</i> | | | | | | | | | | |
| National forest | — | — | — | — | — | — | — | — | — | — |
| Other public | 46,025 | 33,537 | 9,823 | — | 2,665 | 12,135 | 10,090 | — | — | 2,045 |
| Forest industry | — | — | — | — | — | — | — | — | — | — |
| Forest industry-leased | — | — | — | — | — | — | — | — | — | — |
| Other private | 744,661 | 205,676 | 495,581 | 26,171 | 17,233 | 591,312 | 106,813 | 432,119 | 18,972 | 33,408 |
| All ownerships | 790,686 | 239,213 | 505,404 | 26,171 | 19,898 | 603,447 | 116,903 | 432,119 | 18,972 | 35,453 |

^a Volume of sawtimber trees less than 15.0 inches at d.b.h.

^b Volume of sawtimber trees 15.0 inches and larger at d.b.h.

Table 29—Average net annual growth and removals of growing stock on timberland, by ownership class and species group, South Florida, 1988-1994

| Ownership class | Net annual growth | | | | | Annual timber removals | | | | |
|----------------------------|-------------------|-------|----------------|---------------|---------------|------------------------|-------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| <i>Thousand cubic feet</i> | | | | | | | | | | |
| National forest | — | — | — | — | — | — | — | — | — | — |
| Other public | 338 | 30 | 200 | 37 | 71 | 3,258 | 169 | 2,181 | 454 | 454 |
| Forest industry | — | — | — | — | — | — | — | — | — | — |
| Forest industry-leased | — | — | — | — | — | — | — | — | — | — |
| Other private | 8,836 | 4,573 | 4,974 | - 672 | - 39 | 9,692 | 7,236 | 2,304 | 35 | 117 |
| All ownerships | 9,174 | 4,603 | 5,174 | - 635 | 32 | 12,950 | 7,405 | 4,485 | 489 | 571 |

Table 30—Average net annual growth and removals of sawtimber on timberland, by ownership class and species group, South Florida, 1988-1994

| Ownership class | Net annual growth | | | | | Annual timber removals | | | | |
|----------------------------|-------------------|--------|----------------|---------------|---------------|------------------------|--------|----------------|---------------|---------------|
| | All species | Pine | Other softwood | Soft hardwood | Hard hardwood | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
| <i>Thousand board feet</i> | | | | | | | | | | |
| National forest | — | — | — | — | — | — | — | — | — | — |
| Other public | 1,554 | 204 | 967 | 222 | 161 | 12,498 | 900 | 8,005 | 2,191 | 1,402 |
| Forest industry | — | — | — | — | — | — | — | — | — | — |
| Forest industry-leased | — | — | — | — | — | — | — | — | — | — |
| Other private | 37,961 | 19,194 | 22,520 | - 2,801 | - 952 | 27,645 | 22,109 | 5,170 | — | 366 |
| All ownerships | 39,515 | 19,398 | 23,487 | - 2,579 | - 791 | 40,143 | 23,009 | 13,175 | 2,191 | 1,768 |

Table 31—Volume of timber on timberland, by class of timber and species group, South Florida, 1995

| Class of timber | All species | Pine | Other softwood | Soft hardwood | Hard hardwood |
|---------------------------------|-------------|---------|----------------|---------------|---------------|
| <i>Thousand cubic feet</i> | | | | | |
| Sawtimber trees | | | | | |
| Saw-log portion | 276,264 | 66,622 | 190,423 | 9,089 | 10,130 |
| Upper-stem portion ^a | 37,687 | 8,027 | 25,377 | 2,538 | 1,745 |
| Total | 313,951 | 74,649 | 215,800 | 11,627 | 11,875 |
| Poletimber trees | 142,896 | 40,231 | 92,632 | 7,022 | 3,011 |
| All growing-stock trees | 456,847 | 114,880 | 308,432 | 18,649 | 14,886 |
| Rough trees | | | | | |
| Sawtimber size | 33,681 | 337 | 5,757 | 5,415 | 22,172 |
| Poletimber size | 31,380 | 1,075 | 10,787 | 3,489 | 16,029 |
| Total | 65,061 | 1,412 | 16,544 | 8,904 | 38,201 |
| Rotten trees | | | | | |
| Sawtimber size | 2,489 | — | 1,760 | 136 | 593 |
| Poletimber size | 841 | — | 550 | 291 | — |
| Total | 3,330 | — | 2,310 | 427 | 593 |
| Salvable dead trees | | | | | |
| Sawtimber size | — | — | — | — | — |
| Poletimber size | — | — | — | — | — |
| Total | — | — | — | — | — |
| Total, all timber | 525,238 | 116,292 | 327,286 | 27,980 | 53,680 |

^a Includes cull sections in the saw-log portion.

Table 32—Number of live trees on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | | | | | 21.0-28.9 | 29.0 and larger |
|-------------------------|--|----------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|-----------|------------|------------|-----------------|----------|-----------|-----------------|
| | All classes | 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 and larger | | | |
| <i>Thousand trees</i> | | | | | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | | | | | |
| Longleaf pine | 635 | — | 172 | 257 | 117 | 39 | 27 | 23 | — | — | — | — | — | — | — | — |
| Slash pine | 31,669 | 12,020 | 5,956 | 4,629 | 4,455 | 2,549 | 909 | 658 | 318 | — | 78 | 74 | 23 | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 220 | — | — | 116 | 57 | 47 | — | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 383 | 203 | — | 101 | 62 | — | — | — | 17 | — | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Baldcypress | 7,425 | 2,053 | 1,885 | 945 | 781 | 749 | 428 | 353 | 107 | — | 51 | 20 | 53 | — | — | — |
| Pondcypress | 91,128 | 35,525 | 23,737 | 12,397 | 9,002 | 4,947 | 2,269 | 1,606 | 694 | 33 | 453 | 201 | 264 | — | — | — |
| Cedars | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 131,460 | 49,801 | 31,750 | 18,445 | 14,474 | 8,331 | 3,633 | 2,640 | 1,136 | 33 | 582 | 295 | 340 | — | — | — |
| Hardwood | | | | | | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 4,834 | 1,040 | 1,552 | 899 | 273 | 377 | 195 | 142 | 235 | 3 | 57 | 45 | 16 | — | — | — |
| Other red oaks | 1,867 | 514 | 171 | 120 | 264 | 99 | 236 | 237 | 96 | 11 | 26 | 33 | 60 | — | — | — |
| Hickory | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 6,103 | 2,566 | 1,710 | 485 | 258 | 430 | 255 | 210 | 120 | — | 48 | — | 21 | — | — | — |
| Beech | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 82 | — | — | — | — | — | 62 | 20 | — | — | — | — | — | — | — | — |
| Ash | 4,767 | 2,110 | 2,030 | 564 | — | 63 | — | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 6,197 | 4,128 | 1,376 | 298 | 242 | 42 | 89 | 22 | — | — | — | — | — | — | — | — |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Elm | 98 | — | — | — | 52 | 46 | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | 54,830 | 45,943 | 6,608 | 1,328 | 516 | 361 | — | 41 | 15 | — | 11 | — | 7 | — | — | — |
| Total hardwoods | 78,778 | 56,301 | 13,447 | 3,694 | 1,605 | 1,418 | 837 | 672 | 466 | 14 | 142 | 78 | 104 | — | — | — |
| All species | 210,238 | 106,102 | 45,197 | 22,139 | 16,079 | 9,749 | 4,470 | 3,312 | 1,602 | 47 | 724 | 373 | 444 | — | — | — |

Table 34—Merchantable volume of live trees on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | | | | 29.0 and larger |
|----------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|-----------------|--|-----------------|
| | All classes | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 21.0-28.9 | 29.0 and larger | | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | | | |
| Longleaf pine | 2,521 | 685 | 747 | 286 | 344 | 459 | | | | | | | | |
| Slash pine | 111,629 | 12,321 | 26,198 | 25,118 | 14,179 | 14,882 | 9,773 | 3,289 | 4,018 | 1,851 | | | | |
| Shortleaf pine | | | | | | | | | | | | | | |
| Loblolly pine | | | | | | | | | | | | | | |
| Pond pine | 908 | 178 | 371 | 359 | | | | | | | | | | |
| Virginia pine | | | | | | | | | | | | | | |
| Pitch pine | | | | | | | | | | | | | | |
| Table Mountain pine | | | | | | | | | | | | | | |
| Spruce pine | | | | | | | | | | | | | | |
| Sand pine | 1,234 | 348 | 458 | | | | 428 | | | | | | | |
| Eastern white pine | | | | | | | | | | | | | | |
| Eastern hemlock | | | | | | | | | | | | | | |
| Spruce and fir | | | | | | | | | | | | | | |
| Baldcypress | 41,698 | 3,479 | 5,095 | 8,149 | 6,545 | 8,114 | 3,318 | 2,098 | 1,174 | 3,726 | | | | |
| Pondcypress | 285,588 | 37,290 | 58,105 | 50,440 | 33,731 | 35,199 | 20,294 | 18,291 | 9,150 | 18,466 | 4,622 | | | |
| Cedars | | | | | | | | | | | | | | |
| Total softwoods | 443,578 | 54,301 | 90,974 | 84,352 | 54,799 | 58,654 | 33,813 | 23,678 | 14,342 | 24,043 | 4,622 | | | |
| Hardwood | | | | | | | | | | | | | | |
| Select white oaks | | | | | | | | | | | | | | |
| Select red oaks | | | | | | | | | | | | | | |
| Chestnut oak | | | | | | | | | | | | | | |
| Other white oaks | 21,303 | 2,510 | 1,460 | 2,830 | 2,502 | 2,131 | 5,212 | 1,498 | 1,838 | 906 | 416 | | | |
| Other red oaks | 20,487 | 167 | 1,437 | 895 | 3,363 | 4,309 | 2,768 | 807 | 1,429 | 3,989 | 1,323 | | | |
| Hickory | | | | | | | | | | | | | | |
| Yellow birch | | | | | | | | | | | | | | |
| Hard maple | | | | | | | | | | | | | | |
| Soft maple | | | | | | | | | | | | | | |
| Beech | 22,176 | 1,545 | 1,574 | 4,813 | 3,842 | 4,384 | 3,089 | 1,691 | | 1,238 | | | | |
| Sweetgum | | | | | | | | | | | | | | |
| Tupelo and blackgum | 1,246 | | | | 733 | 513 | | | | | | | | |
| Ash | 1,496 | 1,214 | | 282 | | | | | | | | | | |
| Cottonwood | | | | | | | | | | | | | | |
| Basswood | | | | | | | | | | | | | | |
| Yellow-poplar | | | | | | | | | | | | | | |
| Bay and magnolia | 3,921 | 588 | 1,184 | 461 | 1,272 | 416 | | | | | | | | |
| Black cherry | | | | | | | | | | | | | | |
| Black walnut | | | | | | | | | | | | | | |
| Sycamore | | | | | | | | | | | | | | |
| Black locust | | | | | | | | | | | | | | |
| Elm | 637 | | 304 | 333 | | | | | | | | | | |
| Other Eastern hardwoods | 10,394 | 2,648 | 2,423 | 3,174 | | 882 | 388 | 394 | | 485 | | | | |
| Total hardwoods | 81,660 | 8,672 | 8,382 | 12,788 | 11,712 | 12,635 | 11,457 | 4,390 | 3,267 | 6,618 | 1,739 | | | |
| All species | 525,238 | 62,973 | 99,356 | 97,140 | 66,511 | 71,289 | 45,270 | 28,068 | 17,609 | 30,661 | 6,361 | | | |

Table 35—Volume of growing stock on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | | | | 29.0 and larger |
|----------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|----------|----------|-----------------|
| | All classes | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 and larger | | | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | | | |
| Longleaf pine | 2,521 | 685 | 747 | 286 | 344 | 459 | — | — | — | — | — | — | — | — |
| Slash pine | 110,217 | 12,043 | 25,401 | 24,781 | 14,179 | 14,882 | 9,773 | 3,289 | 4,018 | 1,851 | — | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 908 | 178 | 371 | 359 | — | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 1,234 | 348 | 458 | — | — | — | 428 | — | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Baldcypress | 41,177 | 3,479 | 4,574 | 8,149 | 6,545 | 8,114 | 3,318 | 2,098 | 1,174 | 3,726 | — | — | — | — |
| Pondcypress | 267,255 | 33,664 | 50,915 | 46,460 | 31,740 | 34,144 | 20,294 | 17,934 | 9,150 | 18,466 | 4,488 | — | — | — |
| Cedars | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 423,312 | 50,397 | 82,466 | 80,035 | 52,808 | 57,599 | 33,813 | 23,321 | 14,342 | 24,043 | 4,488 | — | — | — |
| Hardwood | | | | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 3,604 | 729 | — | 333 | 475 | 327 | 1,272 | — | 468 | — | — | — | — | — |
| Other red oaks | 11,098 | 167 | 1,184 | 414 | 2,267 | 1,880 | 1,718 | 412 | 744 | 2,312 | — | — | — | — |
| Hickory | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 13,991 | 1,327 | 1,124 | 2,847 | 2,430 | 2,119 | 1,600 | 1,306 | — | 1,238 | — | — | — | — |
| Beech | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 1,246 | — | — | — | 733 | 513 | — | — | — | — | — | — | — | — |
| Ash | 184 | 184 | — | — | — | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 3,412 | 588 | 675 | 461 | 1,272 | 416 | — | — | — | — | — | — | — | — |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Elm | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total hardwoods | 33,535 | 2,995 | 2,983 | 4,055 | 7,177 | 5,255 | 4,590 | 1,718 | 1,212 | 3,550 | — | — | — | — |
| All species | 456,847 | 53,392 | 85,449 | 84,090 | 59,985 | 62,854 | 38,403 | 25,039 | 15,554 | 27,593 | 4,488 | — | — | — |

Table 36— Volume of sawtimber on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | 29.0 and larger | |
|----------------------------|--|----------------|----------------|----------------|----------------|----------------|---------------|----------------|-----------------|----------|-----------------|----------|
| | All classes | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 and larger | | | |
| <i>Thousand board feet</i> | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | |
| Longleaf pine | 5,193 | 1,164 | 1,673 | 2,356 | — | — | — | — | — | — | — | — |
| Slash pine | 347,221 | 89,662 | 65,436 | 77,720 | 56,109 | 20,156 | 25,725 | 12,413 | — | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 1,202 | 1,202 | — | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 2,500 | — | — | — | 2,500 | — | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — | — |
| Baldcypress | 137,857 | 23,896 | 24,548 | 35,096 | 15,990 | 10,687 | 6,295 | 21,355 | — | — | — | — |
| Pondcypress | 799,666 | 146,751 | 123,197 | 151,916 | 98,766 | 93,249 | 49,747 | 107,393 | 28,647 | — | — | — |
| Cedars | — | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 1,293,639 | 262,675 | 214,854 | 267,088 | 173,355 | 124,092 | 81,767 | 141,161 | 28,647 | — | — | — |
| Hardwood | | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 10,713 | — | 1,654 | 1,313 | 5,480 | — | 2,266 | — | — | — | — | — |
| Other red oaks | 44,638 | — | 8,841 | 8,090 | 8,318 | 2,045 | 4,013 | 13,331 | — | — | — | — |
| Hickory | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 35,092 | — | 7,935 | 8,185 | 6,870 | 5,919 | — | 6,183 | — | — | — | — |
| Beech | — | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 4,352 | — | 2,286 | 2,066 | — | — | — | — | — | — | — | — |
| Ash | — | — | — | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 5,699 | — | 4,129 | 1,570 | — | — | — | — | — | — | — | — |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — | — |
| Elm | — | — | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | — | — | — | — | — | — | — | — | — | — | — | — |
| Total hardwoods | 100,494 | — | 24,845 | 21,224 | 20,668 | 7,964 | 6,279 | 19,514 | — | — | — | — |
| All species | 1,394,133 | 262,675 | 239,699 | 288,312 | 194,023 | 132,056 | 88,046 | 160,675 | 28,647 | — | — | — |

Table 37 — Volume of sawtimber on timberland, by species, size class, and tree grade, South Florida, 1995

| Species | All size classes | | | | Trees 15.0 inches d.b.h. and larger | | | | |
|--------------------------------------|----------------------------|----------------|----------------|----------------|-------------------------------------|----------------|----------------|----------------|----------------|
| | All grades | | Tree grade | | All grades | | Tree grade | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| | <i>Thousand board feet</i> | | | | | | | | |
| Softwood | | | | | | | | | |
| Yellow pines ^a | 356,116 | 66,695 | 55,386 | 234,035 | — | 116,903 | 45,371 | 17,521 | 54,011 |
| Eastern white pine ^b | — | — | — | — | — | — | — | — | — |
| Spruce and fir ^b | — | — | — | — | — | — | — | — | — |
| Cypress ^c | 937,523 | 220,498 | 212,604 | 498,589 | 5,832 | 432,119 | 220,498 | 121,478 | 90,143 |
| Other Eastern softwoods ^b | — | — | — | — | — | — | — | — | — |
| Total | 1,293,639 | 287,193 | 267,990 | 732,624 | 5,832 | 549,022 | 265,869 | 138,999 | 144,154 |
| Hardwood^c | | | | | | | | | |
| Select white and red oaks | — | — | — | — | — | — | — | — | — |
| Other white and red oaks | 55,351 | 13,753 | 12,482 | 27,497 | 1,619 | 35,453 | 13,753 | 12,482 | 9,218 |
| Hickory | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — |
| Ash, walnut, and black cherry | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | 45,143 | — | 6,401 | 36,055 | 2,687 | 18,972 | — | 6,401 | 9,884 |
| Total | 100,494 | 13,753 | 18,883 | 63,552 | 4,306 | 54,425 | 13,753 | 18,883 | 19,102 |
| All species | 1,394,133 | 300,946 | 286,873 | 796,176 | 10,138 | 603,447 | 279,622 | 157,882 | 163,256 |

^a For yellow pines, tree grade is based on "Southern Pine Tree Grades for Yard and Structural Lumber," Research Paper SE-40, published by the Southeastern Forest Experiment Station, Asheville, NC, 1968. Tree grade 4 does not apply to yellow pine.

^b For other softwoods (excluding cypress), tree grade is based on "Tree Grades for Eastern White Pine," Research Paper NE-214, published by the Northeastern Forest Experiment Station, Radnor, PA, 1971.

^c For hardwoods and cypress, tree grades 1, 2, and 3 are based on "Hardwood Tree Grades for Factory Lumber," Research Paper NE-333, published by the Northeastern Forest Experiment Station, Radnor, PA, 1976. Grade 4 trees are sawtimber trees not qualifying as tree grades 1, 2, or 3. The butt log of these trees qualify as construction (tie and timber) logs based on "A Guide to Hardwood Log Grading (revised)," General Technical Report NE-1, published by the Northeastern Forest Experiment Station, Radnor, PA, 1971.

Table 38—Cubic volume in the merchantable saw-log portion of sawtimber trees on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | 29.0 and larger |
|----------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|----------|-----------------|
| | All classes | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 and larger | | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | |
| Softwood | | | | | | | | | | | |
| Longleaf pine | 985 | 238 | 316 | 431 | — | — | — | — | — | — | — |
| Slash pine | 64,958 | 19,391 | 12,868 | 14,133 | 9,513 | 3,243 | 3,978 | 1,832 | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 263 | 263 | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 416 | — | — | — | 416 | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — |
| Baldcypress | 28,113 | 5,673 | 5,481 | 7,248 | 3,067 | 1,965 | 1,112 | 3,567 | — | — | |
| Pondcypress | 162,310 | 35,952 | 27,750 | 31,373 | 19,091 | 17,094 | 8,786 | 17,880 | 4,384 | — | |
| Cedars | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 257,045 | 61,517 | 46,415 | 53,185 | 32,087 | 22,302 | 13,876 | 23,279 | 4,384 | — | |
| Hardwood | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 2,168 | — | 355 | 274 | 1,111 | — | 428 | — | — | — | |
| Other red oaks | 7,962 | — | 1,708 | 1,541 | 1,510 | 366 | 682 | 2,155 | — | — | |
| Hickory | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 7,006 | — | 1,658 | 1,698 | 1,371 | 1,149 | — | 1,130 | — | — | |
| Beech | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 908 | — | 486 | 422 | — | — | — | — | — | — | |
| Ash | — | — | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 1,175 | — | 843 | 332 | — | — | — | — | — | — | |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — |
| Elm | — | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | — | — | — | — | — | — | — | — | — | — | — |
| Total hardwoods | 19,219 | — | 5,050 | 4,267 | 3,992 | 1,515 | 1,110 | 3,285 | — | — | |
| All species | 276,264 | 61,517 | 51,465 | 57,452 | 36,079 | 23,817 | 14,986 | 26,564 | 4,384 | — | |

Table 39—Total volume of live trees on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | | | | 29.0 and larger | |
|----------------------------|--|---------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|-----------------|----------|
| | All classes | 1.0-2.9 | 3.0-4.9 | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | | | |
| <i>Thousand cubic feet</i> | | | | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | | | | |
| Longleaf pine | 3,220 | — | 70 | 1,017 | 893 | 331 | 390 | 519 | — | — | — | — | — | — | — |
| Slash pine | 142,500 | 3,057 | 7,616 | 17,070 | 31,684 | 29,099 | 16,096 | 16,745 | 10,937 | 3,666 | 4,473 | 2,057 | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 1,109 | — | — | 243 | 443 | 423 | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 1,568 | 83 | — | 454 | 548 | — | — | — | 483 | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Baldypress | 55,763 | 647 | 3,063 | 5,196 | 6,544 | 10,123 | 7,991 | 9,821 | 4,004 | 2,517 | 1,406 | 4,451 | — | — | — |
| Pondycypress | 434,217 | 11,975 | 34,730 | 63,304 | 80,468 | 66,450 | 43,489 | 44,828 | 25,612 | 22,990 | 11,444 | 23,102 | 5,825 | — | — |
| Cedars | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 638,377 | 15,762 | 45,479 | 87,284 | 120,580 | 106,426 | 67,966 | 71,913 | 41,036 | 29,173 | 17,323 | 29,610 | 5,825 | — | — |
| Hardwood | | | | | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 29,516 | 263 | 1,849 | 4,040 | 2,001 | 3,627 | 3,127 | 2,626 | 6,352 | 1,818 | 2,224 | 1,090 | 499 | — | — |
| Other red oaks | 26,496 | 104 | 414 | 261 | 1,908 | 1,148 | 4,254 | 5,475 | 3,477 | 1,007 | 1,788 | 4,974 | 1,686 | — | — |
| Hickory | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 31,150 | 571 | 3,237 | 2,281 | 1,989 | 5,885 | 4,651 | 5,346 | 3,695 | 2,027 | — | 1,468 | — | — | — |
| Beech | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 1,516 | — | — | — | — | — | 896 | 620 | — | — | — | — | — | — | — |
| Ash | 5,572 | 602 | 2,957 | 1,674 | — | 339 | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 8,013 | 1,044 | 1,908 | 993 | 1,495 | 560 | 1,523 | 490 | — | — | — | — | — | — | — |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Elm | 787 | — | — | — | 374 | 413 | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | 32,370 | 11,225 | 7,752 | 4,063 | 3,066 | 3,816 | — | 1,011 | 442 | 447 | — | 548 | — | — | — |
| Total hardwoods | 135,420 | 13,809 | 18,117 | 13,312 | 10,833 | 15,788 | 14,451 | 15,568 | 13,966 | 5,299 | 4,012 | 8,080 | 2,185 | — | — |
| All species | 773,797 | 29,571 | 63,596 | 100,596 | 131,413 | 122,214 | 82,417 | 87,481 | 55,002 | 34,472 | 21,335 | 37,690 | 8,010 | — | — |

Table 40—Green weight of forest biomass on timberland, by species and diameter class, South Florida, 1995

| Species | Diameter class (inches at breast height) | | | | | | | | | | | | | 29.0 and larger | | |
|--------------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|-----------------|---|---|
| | 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 | | | | | |
| <i>Hundred thousand pounds</i> | | | | | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | | | | | |
| Longleaf pine | 2,444 | — | 63 | 658 | 702 | 275 | 326 | 420 | — | — | — | — | — | — | — | — |
| Slash pine | 112,391 | 2,219 | 7,023 | 12,547 | 24,556 | 22,986 | 12,883 | 13,358 | 8,769 | 2,926 | 3,522 | 1,602 | — | — | — | — |
| Shortleaf pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Loblolly pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pond pine | 829 | — | — | 196 | 323 | 310 | — | — | — | — | — | — | — | — | — | — |
| Virginia pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Pitch pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Table Mountain pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sand pine | 1,161 | 68 | — | 330 | 393 | — | — | — | 370 | — | — | — | — | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Eastern hemlock | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Baldcypress | 39,720 | 362 | 1,932 | 2,515 | 4,182 | 6,939 | 5,968 | 7,611 | 3,225 | 2,047 | 1,147 | 3,792 | — | — | — | — |
| Pondcypress | 268,678 | 6,679 | 21,833 | 27,520 | 44,372 | 40,599 | 28,836 | 31,418 | 18,597 | 17,148 | 8,741 | 18,130 | 4,805 | — | — | — |
| Cedars | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 425,223 | 9,328 | 30,851 | 43,766 | 74,528 | 71,109 | 48,013 | 52,807 | 30,961 | 22,121 | 13,410 | 23,524 | 4,805 | | | |
| Hardwood | | | | | | | | | | | | | | | | |
| Select white oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Select red oaks | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Chestnut oak | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Other white oaks | 26,223 | 202 | 1,383 | 2,523 | 1,524 | 3,206 | 2,799 | 2,534 | 6,346 | 1,881 | 2,194 | 1,100 | 531 | — | — | — |
| Other red oaks | 22,810 | 97 | 291 | 264 | 1,689 | 1,024 | 3,680 | 4,784 | 2,963 | 880 | 1,555 | 4,212 | 1,371 | — | — | — |
| Hickory | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Soft maple | 23,408 | 434 | 2,265 | 1,442 | 1,508 | 4,378 | 3,617 | 4,071 | 3,008 | 1,577 | — | 1,108 | — | — | — | — |
| Beech | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 1,023 | — | — | — | — | — | 598 | 425 | — | — | — | — | — | — | — | — |
| Ash | 4,039 | 378 | 1,848 | 1,487 | — | 326 | — | — | — | — | — | — | — | — | — | — |
| Cottonwood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Basswood | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Bay and magnolia | 4,908 | 656 | 1,128 | 452 | 987 | 349 | 998 | 338 | — | — | — | — | — | — | — | — |
| Black cherry | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black walnut | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sycamore | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Black locust | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Elm | 555 | — | — | — | 274 | 281 | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | 25,387 | 9,517 | 6,326 | 3,001 | 2,288 | 2,756 | — | 641 | 282 | 277 | — | — | — | — | — | — |
| Total hardwoods | 108,353 | 11,284 | 13,241 | 9,169 | 8,270 | 12,320 | 11,692 | 12,793 | 12,599 | 4,615 | 3,749 | 6,719 | 1,902 | | | |
| All species | 533,576 | 20,612 | 44,092 | 52,935 | 82,798 | 83,429 | 59,705 | 65,600 | 43,560 | 26,736 | 17,159 | 30,243 | 6,707 | | | |

Table 41 – Average net annual growth and removals of live timber and growing stock on timberland, by species, South Florida, 1988-1994

| Species | Live timber ^a | | Growing stock | |
|-------------------------------|--------------------------|------------------------|-------------------|------------------------|
| | Net annual growth | Annual timber removals | Net annual growth | Annual timber removals |
| <i>Thousand cubic feet</i> | | | | |
| Softwood | | | | |
| Yellow pines | 4,650 | 7,464 | 4,603 | 7,405 |
| Eastern white pine | — | — | — | — |
| Spruce and fir | — | — | — | — |
| Cypress | 4,960 | 4,710 | 5,174 | 4,485 |
| Other Eastern softwoods | — | — | — | — |
| Total softwoods | 9,610 | 12,174 | 9,777 | 11,890 |
| Hardwood | | | | |
| Select white and red oaks | — | — | — | — |
| Other white and red oaks | 793 | 875 | 12 | 391 |
| Hickory | — | — | — | — |
| Yellow birch | — | — | — | — |
| Hard maple | — | — | — | — |
| Sweetgum | — | — | — | — |
| Ash, walnut, and black cherry | -10 | 92 | — | — |
| Yellow-poplar | — | — | — | — |
| Tupelo and blackgum | 35 | 78 | 31 | 35 |
| Bay and magnolia | 35 | — | 31 | — |
| Other Eastern hardwoods | 140 | 965 | -677 | 634 |
| Total hardwoods | 993 | 2,010 | -603 | 1,060 |
| All species | 10,603 | 14,184 | 9,174 | 12,950 |

^a Merchantable portion only.

Table 42—Average net annual growth and removals of sawtimber on timberland, by species, South Florida, 1988-1994

| Species | Net annual growth | Annual timber removals |
|-------------------------------|----------------------------|---------------------------|
| | <i>Thousand board feet</i> | |
| Softwood | | |
| Yellow pines | 19,398 | 23,009 |
| Eastern white pine | — | — |
| Spruce and fir | — | — |
| Cypress | 23,487 | 13,175 |
| Other Eastern softwoods | — | — |
| Total softwoods | 42,885 | 36,184 |
| Hardwood | | |
| Select white and red oaks | — | — |
| Other white and red oaks | -791 | 1,768 |
| Hickory | — | — |
| Yellow birch | — | — |
| Hard maple | — | — |
| Sweetgum | — | — |
| Ash, walnut, and black cherry | — | — |
| Yellow-poplar | — | — |
| Tupelo and blackgum | 228 | — |
| Bay and magnolia | 404 | — |
| Other Eastern hardwoods | -3,211 | 2,191 |
| Total hardwoods | -3,370 | 3,959 |
| All species | 39,515 | 40,143 |

Table 43—Average annual removals of growing stock on timberland, by species and diameter class, South Florida, 1988-1994

| Species | Diameter class (inches at breast height) | | | | | | | | | | |
|-------------------------------|--|------------|--------------|--------------|--------------|--------------|--------------|------------|-----------|------------|-----------------|
| | All classes | 5.0-6.9 | 7.0-8.9 | 9.0-10.9 | 11.0-12.9 | 13.0-14.9 | 15.0-16.9 | 17.0-18.9 | 19.0-20.9 | 21.0-28.9 | 29.0 and larger |
| <i>Thousand cubic feet</i> | | | | | | | | | | | |
| Softwood | | | | | | | | | | | |
| Yellow pines | 7,405 | 570 | 1,615 | 2,513 | 1,398 | 657 | 503 | 149 | — | — | — |
| Eastern white pine | — | — | — | — | — | — | — | — | — | — | — |
| Spruce and fir | — | — | — | — | — | — | — | — | — | — | — |
| Cypress | 4,485 | 309 | 905 | 1,000 | 891 | 693 | 460 | 227 | — | — | — |
| Other Eastern softwoods | — | — | — | — | — | — | — | — | — | — | — |
| Total softwoods | 11,890 | 879 | 2,520 | 3,513 | 2,289 | 1,350 | 963 | 376 | — | — | — |
| Hardwood | | | | | | | | | | | |
| Select white and red oaks | — | — | — | — | — | — | — | — | — | — | — |
| Other white and red oaks | 391 | — | 117 | — | — | — | 76 | — | — | 114 | 84 |
| Hickory | — | — | — | — | — | — | — | — | — | — | — |
| Yellow birch | — | — | — | — | — | — | — | — | — | — | — |
| Hard maple | — | — | — | — | — | — | — | — | — | — | — |
| Sweetgum | — | — | — | — | — | — | — | — | — | — | — |
| Ash, walnut, and black cherry | — | — | — | — | — | — | — | — | — | — | — |
| Yellow-poplar | — | — | — | — | — | — | — | — | — | — | — |
| Tupelo and blackgum | 35 | — | 35 | — | — | — | — | — | — | — | — |
| Bay and magnolia | — | — | — | — | — | — | — | — | — | — | — |
| Other Eastern hardwoods | 634 | 119 | 61 | — | — | 155 | 148 | 82 | 69 | — | — |
| Total hardwoods | 1,060 | 119 | 213 | — | — | 155 | 224 | 82 | 69 | 114 | 84 |
| All species | 12,950 | 998 | 2,733 | 3,513 | 2,289 | 1,505 | 1,187 | 458 | 69 | 114 | 84 |

Table 44—Average annual mortality of live timber, growing stock, and sawtimber on timberland, by species, South Florida, 1988-1994

| Species | Live timber ^a | Growing stock | Sawtimber |
|-------------------------------|----------------------------|---------------|----------------------------|
| | <i>Thousand cubic feet</i> | | <i>Thousand board feet</i> |
| Softwood | | | |
| Yellow pines | 1,343 | 1,343 | 3,253 |
| Eastern white pine | — | — | — |
| Spruce and fir | — | — | — |
| Cypress | 2,269 | 1,706 | 2,120 |
| Other Eastern softwoods | — | — | — |
| Total softwoods | 3,612 | 3,049 | 5,373 |
| Hardwood | | | |
| Select white and red oaks | — | — | — |
| Other white and red oaks | 771 | 736 | 3,714 |
| Hickory | — | — | — |
| Yellow birch | — | — | — |
| Hard maple | — | — | — |
| Sweetgum | — | — | — |
| Ash, walnut, and black cherry | 61 | 31 | — |
| Yellow-poplar | — | — | — |
| Tupelo and blackgum | — | — | — |
| Bay and magnolia | — | — | — |
| Other Eastern hardwoods | 1,821 | 1,443 | 5,484 |
| Total hardwoods | 2,653 | 2,210 | 9,198 |
| All species | 6,265 | 5,259 | 14,571 |

^a Merchantable portion only.

Table 45—Change in number of live trees on timberland, by species group, survey completion date, and diameter class, South Florida

| Species group and year | 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 and larger |
| <i>Thousand trees</i> | | | | | | | | | |
| Yellow pine | | | | | | | | | |
| 1988 | 47,226 | 13,165 | 8,825 | 10,091 | 8,417 | 4,117 | 1,500 | 620 | 491 |
| 1995 | 32,907 | 12,223 | 6,128 | 5,103 | 4,691 | 2,635 | 936 | 681 | 510 |
| Change | -14,319 | -942 | -2,697 | -4,988 | -3,726 | -1,482 | -564 | 61 | 19 |
| Other softwood | | | | | | | | | |
| 1988 | 147,695 | 63,390 | 34,046 | 18,076 | 15,045 | 8,394 | 3,654 | 2,650 | 2,440 |
| 1995 | 98,553 | 37,578 | 25,622 | 13,342 | 9,783 | 5,696 | 2,697 | 1,959 | 1,876 |
| Change | -49,142 | -25,812 | -8,424 | -4,734 | -5,262 | -2,698 | -957 | -691 | -564 |
| Hardwood | | | | | | | | | |
| 1988 | 103,541 | 69,298 | 20,487 | 6,440 | 2,300 | 1,859 | 1,449 | 566 | 1,142 |
| 1995 | 78,778 | 56,301 | 13,447 | 3,694 | 1,605 | 1,418 | 837 | 672 | 804 |
| Change | -24,763 | -12,997 | -7,040 | -2,746 | -695 | -441 | -612 | 106 | -338 |

Table 46—Land area, by land use class, major forest type, and survey completion date, South Florida

| Land use class | Survey completion date | | | Change 1988-1995 |
|-----------------------------|------------------------|-----------|-----------|---------------------|
| | 1980 | 1988 | 1995 | |
| <i>Acres</i> | | | | |
| Forest land | | | | |
| Timberland | | | | |
| Pine and oak-pine types | 339,500 | 267,331 | 183,596 | -83,735 |
| Hardwood types | 494,471 | 391,369 | 293,149 | -98,220 |
| Total | 833,971 | 658,700 | 476,745 | -181,955 |
| Reserved timberland | 264,865 | 291,839 | 273,634 | -18,205 |
| Woodland | 948,754 | 1,033,458 | 917,155 | -116,303 |
| Total forest land | 2,047,590 | 1,983,997 | 1,667,534 | -316,463 |
| Nonforest land | | | | |
| Cropland | 926,660 | 1,089,536 | 1,203,851 | 114,315 |
| Pasture and range | 1,910,185 | 1,513,037 | 1,340,676 | -172,361 |
| Other | 2,790,444 | 3,176,349 | 3,600,496 | 424,147 |
| Total | 5,627,289 | 5,778,922 | 6,094,217 | 315,295 |
| All land^a | 7,674,879 | 7,762,919 | 7,761,751 | -1,168 |

^a Excludes all water areas.

Table 47 — Volume of sawtimber, growing stock, and live timber on timberland, by species group, survey completion date, and diameter class, South Florida

| Species group and year | 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 and larger | | |
| SAWTIMBER (in thousand board feet) | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | |
| 1980 | 972,597 | — | — | 232,377 | 227,543 | 191,890 | 113,790 | 92,742 | 50,770 | 63,485 | | |
| 1988 | 1,245,866 | — | — | 300,654 | 236,622 | 241,402 | 159,426 | 122,138 | 71,949 | 113,675 | | |
| 1995 | 1,293,639 | — | — | 262,675 | 214,854 | 267,088 | 173,355 | 124,092 | 81,767 | 169,808 | | |
| Hardwood | | | | | | | | | | | | |
| 1980 | 101,426 | — | — | — | 22,427 | 30,292 | 7,602 | 11,577 | 8,156 | 21,372 | | |
| 1988 | 152,902 | — | — | — | 42,509 | 16,973 | 39,593 | 12,345 | 10,629 | 30,853 | | |
| 1995 | 100,494 | — | — | — | 24,845 | 21,224 | 20,668 | 7,964 | 6,279 | 19,514 | | |
| GROWING STOCK (in thousand cubic feet) | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | |
| 1980 | 369,109 | 54,089 | 81,024 | 73,594 | 57,759 | 41,760 | 23,070 | 17,695 | 9,329 | 10,789 | | |
| 1988 | 438,826 | 55,615 | 96,896 | 90,454 | 57,403 | 52,225 | 31,600 | 22,862 | 12,601 | 19,170 | | |
| 1995 | 423,312 | 50,397 | 82,466 | 80,035 | 52,808 | 57,599 | 33,813 | 23,321 | 14,342 | 28,531 | | |
| Hardwood | | | | | | | | | | | | |
| 1980 | 35,267 | 2,090 | 4,521 | 5,980 | 6,266 | 7,422 | 1,571 | 2,323 | 1,495 | 3,599 | | |
| 1988 | 45,419 | 2,940 | 4,086 | 6,185 | 11,040 | 3,831 | 8,160 | 2,355 | 1,869 | 4,953 | | |
| 1995 | 33,535 | 2,995 | 2,983 | 4,055 | 7,177 | 5,255 | 4,590 | 1,718 | 1,212 | 3,550 | | |
| LIVE TIMBER^a (in thousand cubic feet) | | | | | | | | | | | | |
| Softwood | | | | | | | | | | | | |
| 1980 | 396,133 | 62,756 | 88,502 | 79,891 | 60,008 | 42,508 | 24,109 | 17,695 | 9,329 | 11,335 | | |
| 1988 | 459,846 | 60,833 | 104,461 | 94,562 | 58,984 | 53,635 | 31,769 | 23,327 | 12,601 | 19,674 | | |
| 1995 | 443,578 | 54,301 | 90,974 | 84,352 | 54,799 | 58,654 | 33,813 | 23,678 | 14,342 | 28,665 | | |
| Hardwood | | | | | | | | | | | | |
| 1980 | 68,596 | 8,408 | 9,678 | 10,041 | 11,290 | 11,638 | 4,027 | 4,166 | 2,990 | 6,358 | | |
| 1988 | 81,351 | 11,023 | 8,284 | 11,175 | 14,588 | 7,630 | 12,022 | 4,656 | 3,477 | 8,496 | | |
| 1995 | 81,660 | 8,672 | 8,382 | 12,788 | 11,712 | 12,635 | 11,457 | 4,390 | 3,267 | 8,357 | | |

^a Merchantable volume.



The Forest Service, U.S. Department of Agriculture, is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives—as directed by Congress—to provide increasingly greater service to a growing Nation.

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Thompson, Michael T. 1996. Forest statistics for South Florida, 1995. Resour. Bull. SRS-5. Asheville, NC: U.S. Department of Agriculture, Forest Service, Southern Research Station. 42 p.

Area of timberland now occupies less than 477,000 acres, or 6 percent of the total land area in South Florida. Area of nonindustrial private forest land totals 439,000 acres. Oak-gum-cypress is the predominant hardwood forest type. Volume of softwood growing stock totals 423 million cubic feet and volume of hardwood growing stock totals 34 million cubic feet. Net annual growth of growing stock averaged 9.2 million cubic feet. Net annual removals of growing stock averaged 13 million cubic feet.

KEYWORDS: Timberland, forest ownership, timber volumes, timber growth, timber removals.



Southern Research Station

Established 1921

The Southern Research Station, headquartered in Asheville, North Carolina, is one of the seven regional Stations and the Forest Products Laboratory that make up the Forest Service research organization.

RESEARCH MISSION:

To acquire the knowledge, develop the technology, and disseminate the research findings required to manage the Southern forest resources in ways that satisfy demands of goods and services while maintaining a quality environment.