

United States
Department of
Agriculture

Forest Service

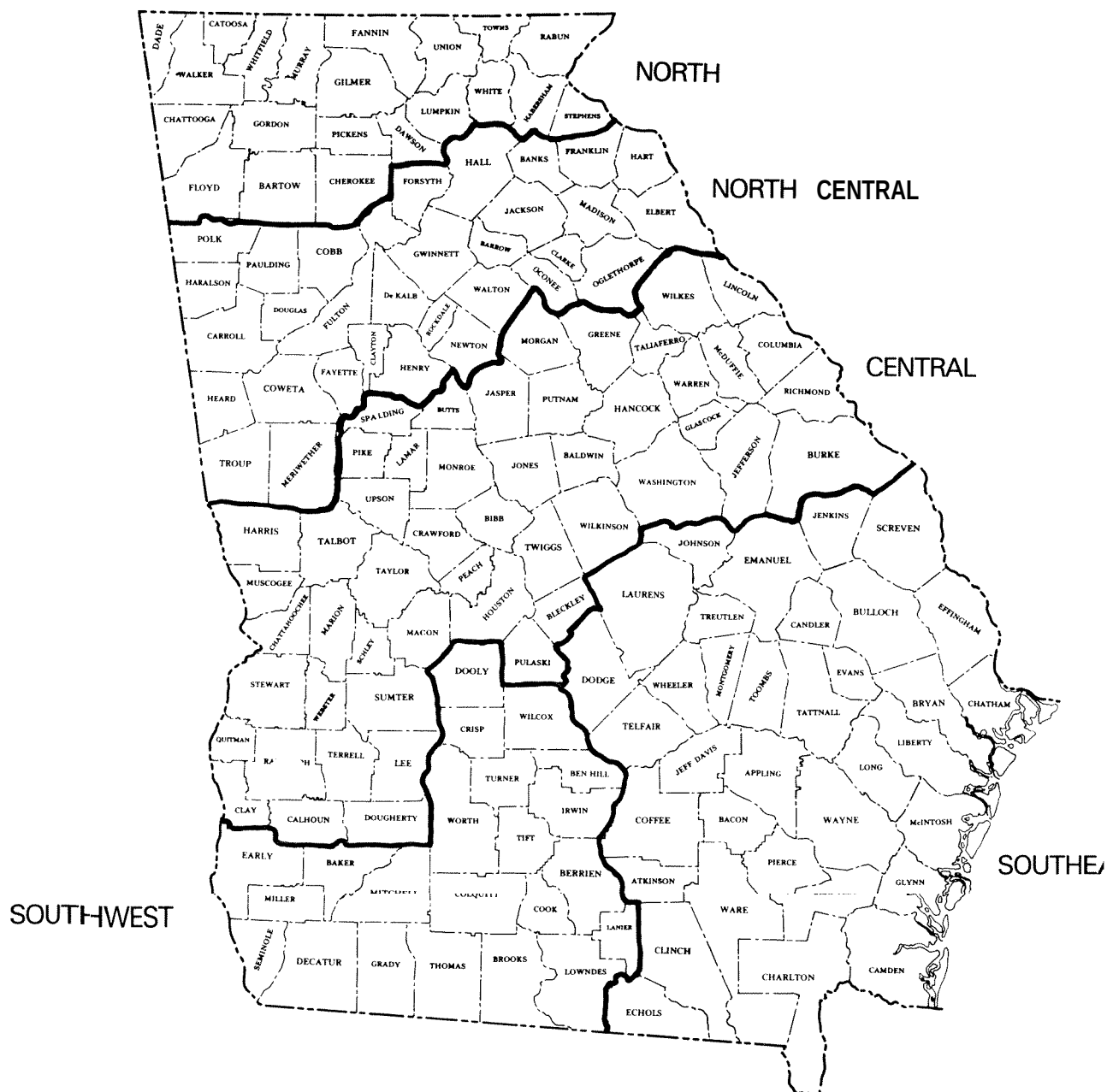
Southeastern Forest
Experiment Station



Resource Bulletin
SE-69

FOREST STATISTICS

FOR GEORGIA, 1982



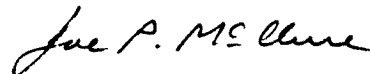
Foreword

This report highlights the principal findings of the fifth forest inventory of Georgia. Fieldwork began in May 1980 and was completed in January 1983. Four previous statewide surveys, completed in 1936, 1953, 1961, and 1972, provide statistics for measuring changes and trends over the past 46 years. The primary emphasis in this report is on the changes and trends since 1972. Previously reported figures have been adjusted to provide the best estimate of change.

Periodic surveys of the forest resource 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 Forest Service, USDA. In Florida, Georgia, North Carolina, South Carolina, and Virginia, these surveys are administered by the Forest Inventory and Analysis (Forest Survey) Research Work Unit at the Southeastern Forest Experiment Station, with headquarters in Asheville, North Carolina. The primary objective of the survey 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 lands, associated timber volumes, and rates of growth and removals.

Reports for four survey units in Georgia, USDA Forest Service Resource Bulletins SE-61, SE-63, SE-65, and SE-67 have been issued for Southwest, Southeast, Central, and North Central Georgia, respectively. A comparable report for North Georgia is being released with this report. An in-depth, analytical State report dealing with Georgia's timber resource should be available in late 1983.

The Southeastern Station gratefully acknowledges the cooperation and assistance provided by the Georgia Forestry Commission, Hiwassee Land Company, and the Tennessee Valley Authority in collecting field data. Appreciation is also expressed for the excellent cooperation of other public agencies, forest industry, and other private landowners in providing information and access to the sample locations.



JOE P. MCCLURE
Project Leader

May 1983
Southeastern Forest Experiment Station
Asheville, North Carolina

FOREST STATISTICS
FOR GEORGIA, 1982

by

John B. Tansey, Forester

Forest Inventory and Analysis
Asheville, North Carolina

Contents

Page

Since 1972 in Georgia	1	14. Volume of all live trees on commercial forest land, by species and diameter class	
How the Inventory is Made	3	15. Volume of growing stock on commercial forest land, by species and diameter class	
Reliability of the Data	3	16. Volume of sawtimber on commercial forest land, by species and diameter class	
Definitions of Terms	7	17. Net annual growth and removals of growing stock on commercial forest land, by species	
County Tables	10	18. Net annual growth and removals of sawtimber on commercial forest land, by species	
1. Area, by county and land class ..	11	19. Mortality of growing stock and sawtimber on commercial forest land, by species	
2. Area of commercial forest land, by county and ownership class	14	20. Volume of all live trees and growing stock on commercial forest land, ownership class and species group ..	
3. Area of commercial forest land, by county and forest-type group	17	21. Volume of sawtimber on commercial forest land, by ownership class and species group	
4. Area of commercial forest land, by county and stand-size class	20	22. Net annual growth and removals of growing stock on commercial forest land, by ownership class and species group ..	
5. Area of commercial forest land, by county and site class	23	23. Net annual growth and removals of sawtimber on commercial forest land, ownership class and species group ..	
6. Area of commercial forest land, by county and stocking classes of growing-stock trees	26	24. Average net volume per acre of sawtimber, growing stock, and other live timber on commercial forest land, by major forest type, species group, and ownership class	
7. Volume of sawtimber and growing stock on commercial forest land, by county and species group	29	25. Land area, by class, major forest type, and survey completion date	
8. Net annual growth of sawtimber and growing stock on commercial forest land, by county and species group ..	32	26. Volume of sawtimber, growing stock and all live timber on commercial forest land, by species group, survey completion date, and diameter class	
9. Annual removals of sawtimber and growing stock on commercial forest land, by county and species group...	35		
State Tables			
10. Area of commercial forest land, by forest type and ownership class...	38		
11. Area of commercial forest land, by ownership and stocking classes of growing-stock trees	38		
12. Volume of timber on commercial forest land, by class and species group . . . *	39		
13. Number of growing-stock trees on commercial forest land, by species and diameter class	40		

Since the fourth inventory of Georgia's forest resources was completed in 1972

• area of commercial forest land declined almost 1.1 million acres to 23.7 million acres. Decreases were measured in all survey units. Statewide, almost 1.5 million acres of commercial forest were diverted to other land uses, while less than 0.4 million acres of new commercial forest were added. Approximately 60 percent of the area diverted went to agricultural uses, 26 percent to urban uses, and 6 percent to water. A reclassification of more than 110,000 acres of commercial forest to productive reserved forest accounts for another 8 percent of the diversion. Georgia, with over 64 percent of its land area classified as commercial forest, has more timberland than any other state except Oregon.

• area of commercial forest land classified as farmer owned declined from 8.4 million to 6.1 million acres, or by 27 percent. Miscellaneous private corporate holdings increased 30 percent to 1.9 million acres, while the acreage owned by miscellaneous private individuals remained about the same. These three landowner categories make up the nonindustrial private forest (NIPF) sector, and account for 72 percent of the commercial forest in Georgia. Forest industry increased its holdings by 15 percent and now owns almost 5.0 million acres of commercial forest. Forest industry also leases under long-term contract an additional 973,000 acres from NIPF owners.

• nearly 5.1 million acres were harvested and retained in commercial forest, a 14 percent increase since the period between 1961 and 1972. At the time of the last survey, 3.2 million of these acres were classified as pine types, 0.7 million acres as oak-pine types, and 1.2 million acres as hardwood types. Sixty-four percent of this harvest occurred on NIPF land, while 32 percent occurred on land owned or leased by forest industry. An additional 2.7 million acres experienced some form of intermediate cutting. Insects, disease, and other natural destructive agents damaged timber on 3.8 million acres of commercial forest land. At the time this

survey was made, silvicultural treatment opportunities were identified on 42 percent of the total commercial forest area.

• about 2.9 million acres were adequately regenerated with suitable timber. Lands regenerated to a pine type account for 66 percent of the total regeneration area, those regenerated to an oak-pine type account for another 13 percent, those regenerated to a hardwood type account for 21 percent. Almost 1.7 million of these acres were artificially regenerated. Of this area, 75 percent was owned or leased by forest industry, and 22 percent was NIPF land. Since the previous survey period, the rate of artificial regeneration on industry owned or leased lands increased 15 percent, but that on NIPF lands decreased by 40 percent. Stands originating wholly or in part from artificial regeneration now make up 16 percent of Georgia's commercial forest land.

• average basal area of all live trees 5.0 inches d.b.h. and larger increased from 56 to 64 square feet net acre of commercial forest land. There were 515 sapling-size trees per acre, 61 fewer than in 1972. Stands classified as fully stocked increased by over 29 percent to 3.3 million acres. Stands classified as medium stocked decreased by 11 percent to 10.6 million acres. Stands classified as poorly stocked decreased by 11 percent and now total 4.9 million acres.

• number of southern yellow pines in the smaller diameter classes declined significantly. The number of yellow pines dropped 45 percent in the 2-inch class, 29 percent in the 4-inch class and 18 percent in the 6-inch class. The number of stems in the 8-inch diameter class remained about the same. These reductions suggest that losses in pine volume in the 8-inch and 10-inch diameter classes will likely occur in the coming one to two decades. Consistent with the reductions in the number of small pines, the acreage of pine sapling-seedling stands declined from 3.7 to 3.0 million acres and that of pine poletimber stands dropped from 4.4 to 3.8 million acres. The area of pine stands dominated by sawtimber-size trees

increased from 3.9 to over 4.4 million acres.

- volume of softwood growing stock increased from about 15.0 to 15.9 billion cubic feet. This 6-percent increase is relatively small compared to the 32-percent increase seen between 1961 and 1972. Increases occurred within all sawtimber-size diameter classes, while poletimber volume declined by 330 million cubic feet, or more than 6 percent. Volume of loblolly pine, the predominant species in the State with 6.9 billion cubic feet of growing stock, increased by 12 percent, and accounted for 49 percent of the total increase in softwood growing stock. Volume of slash pine increased 12 percent, and now contributes 4.3 billion cubic feet to the State's softwood growing stock. Volume of shortleaf pine, a major species in both North Central and North Georgia, declined by about 354 million cubic feet, or 17 percent. The current inventory of softwood growing stock includes 52.3 billion board feet of sawtimber, an increase of 14 percent.

- volume of hardwood growing stock increased by 17 percent and now stands at 13.7 billion cubic feet. This increase occurred across the entire range of diameter classes. Oaks, both red and white, accounted for 45 percent of the volume increase, while sweetgum, blackgum and tupelo, and yellow poplar accounted for 12, 11, and 15 percent, respectively. The current inventory of hardwood growing stock includes 37 billion board feet of sawtimber, a 24 percent increase.

In 1981

- net annual growth of growing stock averaged 74 cubic feet per acre of commercial forest land and totaled almost 1.8 billion cubic feet. This is an increase of 11 percent from the 1.6 billion cubic feet of 1971. Softwood growth increased by only 3 percent, but contributed 1.2 billion cubic feet to the total. Sixty-four percent of the softwood growth occurred on NIPF land, while

another 30 percent occurred on land owned or leased by forest industry. of the small increase in softwood growth occurred on forest industry land. Net annual growth of softwoods actually decreased by 15 percent in the Piedmont and Mountains of Georgia, but this decrease was offset by a 30-percent increase in the Coastal Plain. Hardwood growth increased 34 percent statewide since the previous survey and totals million cubic feet. Almost 75 percent of the hardwood growth occurred on NIPF land, with about 17 percent occurring on land owned or leased by forest industry. Net annual growth for all species included 6.8 billion board feet of sawtimber.

- annual removals of growing stock totaled 1.4 billion cubic feet and included 5.1 billion board feet of sawtimber. Softwood removals increased almost 39 percent to 1.1 billion cubic feet since 1971. Hardwood removals have increased by 20 percent to around 281 million cubic feet. About 80 percent of the total volume removed was converted into timber products, 10 percent was left in the woods in the form of logging residues, and the remaining 10 percent was lost in cultural practices, land clearing, and other land use changes where the timber was not used. By ownership, 64 percent of all removals was from NIPF land, 30 percent was from land owned or leased by forest industry, and the remaining 6 percent was from public land.

- mortality of growing stock totaled 311 million cubic feet and included 81 million board feet of sawtimber. Softwood mortality increased 145 percent since 1971 and reduced softwood gross growth by almost 15 percent. Approximately 42 percent of the current softwood mortality can be attributed to the southern pine bark beetle, and another 22 percent to disease. Losses due to pine bark beetles were especially severe in the Piedmont and Mountain regions. Hardwood mortality increased 46 percent since 1971, and reduced hardwood gross growth by 16 percent.

How the Inventory is Made

The method of the inventory is a sampling procedure designed to provide reliable statistics primarily at the State and Survey Unit levels. Individual county statistics are presented so that any combination of counties may be added together until a total is large enough to meet the desired degree of reliability. Procedures were as follows:

1. Initial estimates of forest and nonforest areas were based on the classification of 118,600 sample clusters systematically spaced on the latest aerial photographs available. A subsample of 11,503 of the 16-point clusters was ground checked, and a linear regression was fitted to the data to develop the relationship between the photo and ground classification of the subsample. This procedure provides a means for adjusting the initial estimates of area for change in land use since date of photography and for photo misclassifications.

2. Estimates of timber volume and forest classifications were based on measurements recorded at 7,084 ground sample locations systematically distributed within the commercial forest land. The plot design at each location was based on a cluster of 10 points. In most cases, variable plots, 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 Georgia, and similar measurements taken throughout the Southeast, were used to compute the volume of individual tally trees. A mirror caliper and sec-

tional aluminum poles were used to obtain the additional measurements on these standing trees required to construct volume equations.

4. Felled trees were measured at active cutting operations. These data will supplement the standing-tree volume data and generate utilization factors by product and species groups.

5. Estimates of growth, removal, and mortality were determined from the remeasurement of 6,134 permanent sample plots established in the fourth survey.

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

7. All field data were sent to Asheville for editing and were punched into cards and stored for machine computing, sorting, and tabulation. Final estimates were based on statistical summaries of the data.

Reliability of the Data

Statistical analysis of these data indicates the following sampling errors in terms of one standard error (two times out of three):

	Per
Per million acres of commercial forest land	1
Per billion cubic feet of growing stock	5
Per billion cubic feet of net annual growth	1
Per billion cubic feet of annual removals	2

Sampling errors for county and state totals,^a in terms of one standard error, Georgia

County	Commercial forest area	Cubic-foot volume of growing stock			County	Commercial forest area	Cubic-foot volume of growing stock		
		Inventory	Growth	Removals			Inventory	Growth	Removals
Sampling error ^b					Sampling error ^b				
Appling	2.10	10.75	10.27	26.31	Cobb	4.x)	9.72	10.05	27.87
Atkinson	2.32	14.56	13.56	33.12	coffee	2.35	11.80	11.12	19.68
Bacon	3.20	15.53	14.67	38.35	colquitt	3.02	12.26	15.22	33.01
Baker	4.92	14.63	17.47	34.66	Columbia	2.16	11.85	10.76	29.71
Baldwin	2.17	12.65	13.04	31.34	Cook	4.31	16.01	15.82	30.90
Banks	2.49	11.73	10.96	40.63	Coweta	1.43	10.97	10.14	25.30
Barrow	6.82	18.25	20.65	59.35	Crawford	1.65	18.39	16.52	24.63
Bartow	2.14	13.21	15.08	34.96	crisp	5.25	14.86	18.07	48.78
Ben Hill	3.06	16.08	16.30	32.12	Dade	3.45	13.61	12.84	68.06
Berrien	2.43	9.68	9.80	33.84	Dawson	1.52	11.84	17.86	64.86
Bibb	3.85	20.07	16.34	30.52	Decatur	3.22	11.13	9.88	20.52
Bleckley	6.57	24.01	20.81	31.32	De Kalb	5.15	11.95	11.83	73.91
Brantley	1.28	12.61	14.03	25.05	Dodge	2.32	10.62	11.79	21.88
Brooks	3.84	14.25	14.14	31.95	Dooly	5.04	15.17	14.28	29.62
Bryan	1.52	9.18	10.00	26.63	Dougherty	4.79	19.11	18.14	35.92
Bulloch	2.03	7.93	8.32	23.27	Douglas	3.75	12.46	13.52	46.61
Burke	2.22	9. a	8.96	21.52	Early	3.52	12.91	10.31	27.45
Butts	2.10	20.81	17.10	25.40	Echols	0.91	10.37	11.53	27.31
Calhoun	4.02	16.64	18.67	38.48	Effingham	1.38	9.22	10.11	27.65
Camden	1.88	9.01	9.04	22.35	Elbert	2.32	13.53	10.74	25.27
Candler	3.70	21.84	18.98	39.91	Emanuel	1.50	9.44	8.59	17.96
Carroll	2.13	11.86	11.11	31.16	Evans	4.81	18.22	14.31	70.88
Catoosa	4.39	21.70	24.77	100.08	Fannin	1.50	9.74	11.90	81.05
Charlton	1.28	9.38	8.53	26.83	Fayette	3.07	17.93	19.67	44.93
Chatham	4.68	12.66	15.21	39.91	Floyd	1.62	10.38	10.63	35.92
Chattahoochee	1.83	14.58	12.18	46.85	Forsyth	3.78	14.48	15.96	69.39
Chattooga	3.39	13.36	17.00	33.52	Franklin	2.77	12.50	11.40	45.22
Cherokee	1.81	11.47	11.62	37.79	Fulton	2.89	6.94	6.69	51.35
Clarke	4.91	22.96	14.78	41.54	Gilmer	0.89	8.11	8.83	33.46
Clay	3.81	19.63	18.21	42.65	Glascok	2.68	20.77	19.49	35.67
Clayton	6.00	20.72	19.74	49.24	Glynn	3.28	17.96	13.70	31.93
Clinch	0.82	8.45	8.21	16.20	Gordon	2.58	16.29	17.37	40.95

Sampling errors for county and state totals, ^a in terms of one standard error, Georgia—Continued

County	Commercial forest area	Cubic-foot volume of growing stock			County	Commercial forest area	Cubic-foot volume of growing stock		
		Inventory	Growth	Removals			Inventory	Growth	Removals
		Sampling error ^b					Sampling error ^b		
Grady	2.86	11.59	11.05	27.64	McDuffie	3.11	15.02	15.43	36.18
Greene	1.42	10.43	9.70	24.23	McIntosh	6.32	11.69	12.66	33.33
Gwinnett	3.01	9.37	9.91	25.39	Meriwether	1.82	14.19	14.81	17.53
Habersham	2.00	10.54	13.09	52.60	Miller	5.36	19.13	18.69	60.14
Hall	2.36	12.49	13.06	29.11	Mitchell	5.51	15.63	20.11	30.81
Hancock	1.23	9.95	9.73	22.15	Monroe	1.32	10.30	9.47	23.74
Haralson	1.98	12.11	12.48	36.58	Montgomery	3.30	14.21	14.24	27.07
Harris	2.04	10.66	9.98	25.00	Morgan	2.39	10.80	10.97	31.70
Hart	2.60	14.56	9.14	47.80	Murray	1.87	14.60	15.85	42.80
Heard	1.56	15.14	16.81	22.84	Muscogee	3.00	18.82	19.35	52.16
Henry	2.79	11.81	12.32	34.22	Newton	2.52	14.29	13.90	50.63
Houston	4.44	17.70	17.14	23.77	Oconee	3.21	11.46	10.87	64.54
Irwin	4.73	13.31	12.57	35.87	Oglethorpe	1.46	10.73	9.57	17.85
Jackson	3.78	11.79	11.36	33.56	Paulding	1.63	11.43	11.11	30.96
Jasper	1.35	11.13	10.11	23.79	Peach	5.68	22.41	25.26	67.73
Jeff Davis	3.24	15.40	14.36	35.60	Pickens	1.77	17.09	17.34	46.15
Jefferson	2.37	10.30	11.60	22.88	Pierce	2.68	12.82	15.20	25.73
Jenkins	3.22	14.10	12.27	32.31	Pike	2.73	14.40	11.73	39.74
Johnson	3.36	15.07	14.11	27.41	Polk	3.22	11.92	12.41	35.50
Jones	1.12	7.48	7.67	29.75	Pulaski	7.11	22.47	20.13	39.63
Lamar	4.54	19.02	18.42	22.61	Putnam	1.71	17.10	15.49	21.97
Lanier	2.42	19.75	18.29	31.37	Quitman	2.74	20.75	19.49	51.44
Laurens	1.90	7.18	8.70	18.91	Rabun	1.04	8.63	10.39	48.97
Lee	3.27	12.35	16.74	48.76	Randolph	2.74	10.99	12.37	20.81
Liberty	1.74	8.86	10.19	29.30	Richmond	3.29	17.43	15.24	42.02
Lincoln	2.81	17.16	16.64	26.26	Rockdale	8.19	21.40	21.74	100.32
Long	0.90	9.88	10.35	33.00	Schley	4.61	20.86	18.19	31.61
Lowndes	2.27	11.41	9.71	20.58	Screven	2.66	10.63	9.04	30.79
Lumpkin	1.22	11.78	15.26	49.70	Seminole	5.78	35.39	34.06	40.57
Macon	4.05	14.59	13.85	32.65	Spalding	3.64	16.16	16.15	34.89
Madison	2.47	16.09	16.19	39.00	Stephens	2.81	16.84	15.91	49.96
Marion	1.84	15.75	14.77	35.05	Stewart	1.98	13.53	12.64	15.45

Sampling errors for county and state totals, ^a in terms of one standard error, Georgia—Continued

County	Commercial forest area	Cubic-foot volume of growing stock			County	Commercial forest area	Cubic-foot volume of growing stock		
		Inventory	Grwth	Removals			Inventory	Growth	Removals
----- Sampling error ^b -----					----- Sampling error ^b -----				
Sumter	4.73	13.34	12.84	31.63	Walker	2.13	9.35	9.96	58.16
Talbot	1.01	11.76	11.39	21.78	Walton	2.84	11.60	10.42	56.13
Taliaferro	1.40	15.24	14.66	34.46	Ware	1.52	9.55	10.11	18.72
Tattnall	2.47	13.64	13.10	26.88	Warren	2.08	10.16	12.46	39.73
Taylor	1.50	16.31	18.68	34.19	Washington	1.96	8.67	8.62	19.64
Telfair	1.76	10.90	9.92	28.00	Wayne	1.19	10.28	10.00	25.73
Terrell	3.07	14.70	12.94	35.75	Webster	5.96	29.95	26.60	35.11
Thomas	2.92	8.54	9.82	27.56	Wheeler	2.16	12.90	12.06	26.56
Tift	4.41	15.68	19.17	38.31	White	1.36	10.45	10.33	78.78
Toombs	4.05	15.20	15.65	26.95	Whitfield	2.45	15.43	16.81	40.33
Towns	1.81	13.16	16.44	73.76	Wilcox	2.70	13.67	12.92	29.13
Treutlen	2.58	16.30	16.18	25.60	Wilkes	1.56	10.19	8.85	26.56
Troup	1.65	10.29	8.52	21.33	Wilkinson	2.31	9.83	9.02	23.94
Turner	4.53	22.80	13.50	42.66	Worth	3.08	9.93	11.53	25.10
Twiggs	1.88	12.48	9.83	25.54					
union	1.28	10.33	11.36	60.69	State total	1.03	1.05	1.06	2.54
Upson	1.90	14.14	11.78	31.19		0.21			

^a Sampling error of breakdowns of county and unit totals may be computed with the following formula:

$$E = \frac{(SE) \sqrt{(\text{specified volume or area})}}{\sqrt{(\text{volume or area total in question})}}$$

Where: E = Sampling error of the volume or area total in question.

SE = Specified sampling error in table.

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

Definitions of Terms

Acceptable trees.—Growing-stock trees of commercial species that meet specified standards of size and quality, but not qualifying as desirable trees.

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 as square feet of basal area per acre.

Commercial forest land.—Forest land producing or capable of producing crops of industrial wood and not withdrawn from timber utilization.

Commercial species.—Tree species presently or prospectively suitable for industrial wood products.

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.

Desirable trees.—Growing-stock trees of commercial species having no serious defects in quality limiting present or prospective use for timber products, of relatively high vigor, and containing no pathogens that may result in death or serious deterioration before rotation age.

Diameter class.—A classification of trees based on diameter outside bark, measured at breast height (4½ feet above the ground). D.b.h. is the common abbreviation for “diameter at breast height.” Two-inch diameter classes are commonly used in Renewable Resources Evaluation, with the even inch the approximate midpoint for a class. For example, the 6-inch class includes trees 5.0 through 6.9 inches d.b.h., inclusive.

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

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

Farmer-owned lands.—Lands owned by farm operators.

Forest industry lands.—Lands owned by companies or individuals operating wood-using plants.

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 upon the species forming a plurality of live-tree stocking.

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

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

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

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

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

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

Gross growth.—Annual increase in net volume of trees in the absence of cutting and mortality.

Growing-stock trees.—Live trees of commercial species qualifying as desirable or acceptable trees.

Growing-stock volume.—Net volume in cubic feet of growing-stock trees 5.0 inches d.b.h. and over from a stump to a minimum 4.0-inch top diameter outside bark at the central stem, or to the point where the central stem breaks into limbs. (Net volume in primary forks is excluded.)

Hardwoods.—Dicotyledonous trees, usually broad-leaved and deciduous.

Soft hardwoods.—Soft-textured hardwoods such as boxelder, red and silver maple, buckeye, hackberry, loblolly-bay, silverbell (in mountains), butternut, sweetgum, yellow-poplar, cucumbertree, magnolia, sweetbay, water tupelo, blackgum, sycamore, cottonwood, black cherry, willow, basswood, and elm.

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

Idle farmland.—Includes former croplands, orchards, improved pastures and farm sites not ten&d within the past 2 years, and presently less than 16.7 percent stocked with 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.

Land area.—The area of dry land and land temporarily or partly covered by water such as marshes, swamps, and river flood plains (omitting tidal flats below mean high tide); streams, sloughs, estuaries, and canals less than 1/8 of a statute mile in width; and lakes, reservoirs, and ponds less than 40 acres in area.

Logging residues.-The unused portions of trees cut or killed by logging.

Miscellaneous Federal lands.—Federal lands other than National Forests, lands administered by the Bureau of Land Management, and Indian lands.

Miscellaneous private lands - corporate.-Lands owned by private corporations other than forest industry.

Miscellaneous private lands - individual.—Privately owned lands other than forest-industry, farmer-owned, or corporate lands.

Mortality.—Number or sound-wood volume of live trees dying from natural causes during a specified period.

National Forest land.—Federal lands which have been legally designated as National Forests or purchase units, and other lands under the administration of the Forest Service, including experimental areas and Bankhead-Jones Title III lands.

Net annual growth.-The increase in volume for a specific year.

Net volume.—Gross volume less deductions for rot, swe or other defect affecting use for timber products.

Noncommercial forest land.—(a) Unproductive forest land incapable of yielding crops of industrial wood because adverse site conditions, and (b) productive-reserved for land.

Noncommercial species.-Tree species of typically sm size, poor form, or inferior quality which normally do r develop into trees suitable for industrial wood produc

Nonforest land. -Land that has never supported forests a lands formerly forested where timber management is p cluded by development for other uses.

Nonstocked land. -Commercial forest land less than 1 6 percent stocked with growing-stock trees.

Other Federal lands.—Federal lands other than Nation Forests, including lands administered by the Bureau Land Management, Bureau of Indian Affairs, and oth Federal agencies.

Other public lands.—Publicly owned lands other than tional Forests.

Overstocked areas.—Areas where growth of trees is sign: cantly reduced by excessive numbers of trees.

Poletimber trees. -Crowing-stock trees of commerc species at least 5.0 inches in d.b.h. but smaller than sa timber size.

Productive-reserved forest land. -Forest land sufficien productive to qualify as commercial forest land, but wi drawn from timber utilization through statute or admin trative designation.

Rangeland.—Land on which the natural plant cover is co posed principally of native grasses, forbs, or shrubs valuat for forage.

Rotten trees.-Live trees of commercial species that do n contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prospectively, p marily because of rot or missing sections, and with less th one-third of the gross tree volume in sound material.

Rough frees.-(a) Live trees of commercial species that not contain at least one 12-foot saw log, or two noncontiguous saw logs, each 8 feet or longer, now or prosp ectively, primarily because of roughness, poor form, spli and cracks, and with less than one-third of the gross tr volume in sound material; and (b) all live trees of noncom mercial species.

Salvable dead trees.-Standing or down dead trees that are considered merchantable by Renewable Resources Evaluation standards.

Saplings.—**Live** trees 1.0 to 5.0 inches in diameter at breast height.

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 the stump and the saw-log top.

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

Sawtimber **trees.**—**Live** trees of commercial species containing at least a **12-foot** saw log, or two noncontiguous saw logs, each 8 feet or longer, and with at least one-third of the gross board-foot volume between the 1-foot stump and minimum saw-log top being sound. Softwoods must be at least 9.0 inches and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume.—Net volume of the saw-log portion of live sawtimber in board-foot International 1/4-inch rule.

Seedlings.—Live trees less than 1.0 inch in diameter at breast height that are expected to survive and develop.

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

Class Z.—Sites capable of producing 165 or more cubic feet per acre annually.

Class 2.—**Sites** capable of producing 120 to 165 cubic feet per acre **annually**.

Class S.—Sites capable of producing 85 to 120 cubic feet per acre annually.

Class 4.—Sites capable of producing 50 to 85 cubic feet per acre annually.

Class 5.—**Sites** incapable of producing 50 cubic feet per acre **annually**, but excluding unproductive sites.

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

Pines.—**Yellow** pine species which include longleaf, slash, shortleaf, pitch, Virginia, Table pine, sand, and spruce pine.

Other **softwoods.**—**White** pine, hemlock, eastern redcedar, white-cedar, spruce, and fir.

Stand-size class.—A classification of forest land based on the size class of growing-stock trees on the area.

Sawtimber stands.—Stands at least 16.7 percent stocked with growing-stock trees, with half or more of total stocking in **sawtimber** or **poletimber** trees; with sawtimber stocking at least equal to poletimber stocking.

Poletimber stands.—Stands at least 16.7 percent stocked with growing-stock trees of which half or more of this stocking is in poletimber and sawtimber and with poletimber stocking exceeding that of sawtimber.

Sapling-seedling stands.—Stands at least 16.7 percent stocked with growing-stock trees of which more than half of the stocking is saplings and seedlings.

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

Stocking.—**The** degree of occupancy of land by growing-stock trees measured by basal area or the number of trees in a stand and spacing in the stand, compared to a minimum standard depending on tree size, to fully utilize the growth potential of the land. (See page 10.)

Timber removals.—**The** net volume of growing-stock trees removed from the inventory by harvesting; cultural treatments, such as stand improvement; land clearing, or change in land use.

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

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

Urban and other areas.—**Areas** within the legal boundaries of cities and towns; suburban areas developed for residential, industrial, or recreational purposes; school grounds; cemeteries; roads; railroads; airports; beaches; power lines and other rights-of-way; or other nonforest land not included in any other specified land use class.

Stocking standard

D.b.h. class	Minimum number of trees per acre for full stocking	Minimum basal area per acre for full stocking	Percent stocking assigned each tally tree ^a
Seedlings	600		5.0
2	560	--	5.4
4	460	--	6.5
6	340	67	5.8
8	240	84	4.8
10	155	85	4.3
12	115	90	4.0
14	90	96	3.8
16	72	101	3.7
18	60	106	3.5
20	51	111	3.5

^aStocking percentages based on tally at all 10 points of a 10-point cluster of plots. Trees less than 5 inches d.b.h. were tallied on circular, 1/300-acre plots at each point. Trees 5.0 inches d.b.h. and larger were tallied on variable plots using a basal area factor of 37.5 at each sample point.

Overstocked--More than 130 percent

Fully stocked--100-130 percent

Medium stocked--60-99 percent

Poorly stocked--16.7-59 percent

Nonstocked--Less than 16.7 percent

Cubic feet of wood per average cord (excluding bark)

D.b.h. class	All species	Pine	Other softwood	Hardwood
6	60.7	61.0	68.2	60.0
8	68.4	68.1	76.0	68.4
10	73.4	73.1	81.4	73.4
12	76.8	76.7	85.2	76.4
14	79.2	79.4	88.2	78.4
16	80.9	81.6	90.4	79.8
18	82.1	83.3	92.3	80.8
20	83.2	84.8	93.8	81.5
22	83.6	86.0	95.1	82.1
24+	84.7	87.7	97.8	83.1
Average	74.0	73.3	84.6	74.1

County Tables

The county tables are intended for use in compiling forest resource estimates for groups of counties. Because the sampling procedure used by the forest survey was intended primarily to furnish inventory data for the survey unit as a whole, individual county estimates have limited and variable accuracy. As county totals are broken down by various subdivisions, the possibility of error increases and is greatest for the smallest items. The order of this increase can be computed with the formula on page 6.

Table 1.--Area, by county and land class, Georgia, 1982

County	All land ^a	Forest land			Nonfore land ^b	
		Total	Commercial forest	Unproductive forest		Productive- reserved
Acres						
Appling	328,320	220,632	220,632	--	--	107,6
Atkinson	203,520	155,030	155,030	--	--	48,4
Bacon	187,520	118,587	118,587	--	--	68,9
Baker	227,200	112,966	112,966	--	--	114,2
Baldwin	162,944	117,799	117,799	--	--	45,1
Banks	147,776	103,526	103,526	--	--	44,2
Barrow	109,126	54,411	53,029	--	1,382	54,7
Bartow	295,296	180,521	178,500	--	2,021	114,7
Ben Hill	163,200	95,278	95,278	--	--	67,9
Berrien	299,520	181,290	181,290	--	--	118,2
Bibb	160,813	86,891	86,441	--	450	73,9
Bleckley	140,160	61,067	61,067	--	--	79,0
Brantley	286,080	255,092	255,092	--	--	30,9
Brooks	314,494	142,780	142,780	--	--	171,7
Bryan	283,520	236,904	236,685	23	196	46,6
Bulloch	437,760	227,709	227,709	--	--	210,0
Burke	531,648	281,701	281,701	--	--	249,9
Butts	118,528	82,016	81,625	--	391	36,5
Calhoun	184,832	91,519	91,519	--	--	93,3
Camden	417,920	312,999	298,931	309	13,759	104,9
Candler	160,000	81,902	81,902	--	--	78,0
Carroll	315,603	189,722	189,601	--	121	125,8
Catoosa	106,880	53,021	49,648	--	3,373	53,8
Charlton	509,520	488,886	318,444	--	170,442	20,6
Chatham	284,800	105,314	100,946	506	3,862	179,4
Chattahoochee	161,222	134,768	134,768	--	--	26,4
Chattooga	202,880	149,157	148,967	--	190	53,7
Cherokee	267,219	207,548	207,548	--	--	59,6
Clarke	80,000	42,686	42,686	--	--	37,3
Clay	130,304	78,361	78,016	--	345	51,9
Clayton	94,810	46,309	46,309	--	--	48,5
Clinch	509,440	484,787	464,955	--	19,832	24,6
Cobb	221,696	105,362	101,689	--	3,673	116,3
Coffee	391,680	230,514	229,038	--	1,476	161,1
Colquitt	360,320	135,885	135,152	--	733	224,4
Columbia	185,856	139,829	137,049	--	2,780	46,0
Cook	149,120	70,083	69,612	--	471	79,0
Coweta	283,072	199,020	199,020	--	--	84,0
Crawford	201,600	160,022	160,022	--	--	41,5
Crisp	188,409	73,317	72,117	--	1,200	115,0
Dade	107,520	79,078	76,383	--	2,695	28,4
Dawson	133,702	116,776	116,385	--	391	16,9
Decatur	375,841	191,911	191,911	--	--	183,9
De Kalb	171,802	67,639	65,834	--	1,805	104,1
Dodge	318,720	193,151	193,151	--	--	125,5
Dooly	252,800	87,727	87,702	--	25	165,0
Dougherty	207,616	88,018	87,878	--	140	119,5
Douglas	129,280	95,679	93,979	--	1,700	33,6
Early	335,360	153,618	152,434	--	1,184	181,7
Echols	272,000	257,509	257,349	160	--	14,4
Effingham	307,200	240,622	240,622	--	--	66,5
Elbert	228,800	156,636	155,962	--	674	72,1
Emanuel	439,040	285,041	284,136	--	905	153,9
Evans	119,040	70,827	70,827	--	--	48,2

Continu

Table 1.--Area, by county and land class, Georgia, 1982--Continued

County	A l l land ^a	Forest land			Nonforest land ^b	
		Total	Commercial forest	Unproductive forest		Productive- reserved
Acres						
Fannin	252,096	225,036	195,772	--	29,264	27,060
Fayette	127,040	73,865	73,865	--	--	53,175
Floyd	328,006	208,166	208,131	--	35	119,840
Forsyth	142,317	83,381	83,288	--	93	58,936
Franklin	170,323	92,139	91,424	--	715	78,184
Fulton	339,200	170,528	168,598	--	1,930	168,672
Gilmer	278,189	249,841	248,891	--	950	28,348
Glascock	91,520	64,365	64,365	--	--	27,155
Glynn	269,610	157,021	153,208	141	3,672	112,589
Gordon	228,992	129,681	129,656	--	25	99,311
Grady	298,240	156,537	153,624	--	2,913	141,703
Greene	247,232	197,155	197,142	--	13	50,077
Gwinnett	278,778	155,019	154,589	--	430	123,759
Habersham	180,672	129,059	129,059	--	--	51,613
Hall	241,600	151,111	151,111	--	--	90,489
Hancock	304,576	269,657	269,657	--	--	34,919
Haralson	182,099	137,513	137,513	--	--	44,586
Harris	297,382	247,564	242,627	--	4,937	49,818
Hart	147,712	63,148	63,010	--	138	84,564
Heard	187,277	150,603	150,603	--	--	36,674
Henry	211,526	121,180	121,180	--	--	90,346
Houston	242,816	120,568	119,871	--	697	122,248
Irwin	238,080	107,357	107,357	--	--	130,723
Jackson	215,680	119,467	119,467	--	--	96,213
Jasper	238,464	188,203	188,203	--	--	50,261
Jeff Davis	211,840	147,124	147,124	--	--	64,716
Jefferson	339,200	187,730	187,730	--	--	151,470
Jenkins	224,640	130,457	129,568	--	889	94,183
Johnson	200,320	109,097	109,097	--	--	91,223
Jones	257,216	215,326	215,324	--	2	41,890
Lamar	115,584	78,634	78,634	--	--	36,950
Lanier	116,079	87,323	87,323	--	--	28,756
Laurens	518,400	313,161	313,161	--	--	205,239
Lee	226,880	89,347	89,022	--	325	137,533
Liberty	328,960	255,669	255,627	--	42	73,291
Lincoln	123,200	103,690	103,263	--	427	19,510
Long	257,280	235,275	234,556	--	719	22,005
Lowndes	325,120	211,169	211,169	--	--	113,951
Lumpkin	186,547	164,345	163,275	--	1,070	22,202
Macon	257,632	115,706	115,487	--	219	141,926
Madison	179,546	100,726	100,685	--	41	78,820
Marion	233,600	186,332	186,332	--	--	47,268
McDuffie	161,792	113,615	113,555	--	60	48,177
McIntosh	272,640	204,204	190,233	2,880	11,091	68,436
Meriwether	319,066	229,739	229,739	--	--	89,327
Miller	183,680	60,038	60,038	--	--	123,642
Mitchell	326,400	101,738	101,738	--	--	224,662
Monroe	254,976	203,744	203,356	--	388	51,232
Montgomery	151,040	99,387	99,387	--	--	51,653
Morgan	224,922	135,286	129,917	--	5,369	89,636
Murray	217,389	156,845	148,803	--	8,042	60,544
Muscogee	140,109	96,286	96,228	--	58	43,823
Newton	173,632	108,559	108,559	--	--	65,073
Oconee	118,982	69,097	69,097	--	--	49,885

Continued

Table 1.--Area, by county and land class, Georgia, 1982--Continued

county	All land ^a	Forest land			Nonforest land ^b	
		Total	Commercial forest	Unproductive forest		Productive- reserved
Acres						
Oglethorpe	278,336	220,825	220,615	--	210	57,511
Paulding	203,270	159,350	158,618	--	732	43,920
Peach	96,640	39,376	39,376	--	--	57,264
Pickens	143,789	121,845	121,845	--	--	21,944
Pierce	218,880	142,128	142,128	--	--	76,752
Pike	147,200	82,514	82,514	--	--	64,686
Polk	199,642	141,017	141,017	--	--	58,625
Pulaski	162,112	72,030	71,990	--	40	90,082
Putnam	212,800	178,784	178,396	--	388	34,016
Quitman	99,776	84,886	84,886	--	--	14,890
Rabun	235,712	215,208	207,055	--	8,153	20,504
Randolph	278,726	165,996	165,996	--	--	112,730
Richmond	206,912	117,350	117,350	--	--	89,562
Rockdale	81,862	38,918	38,501	--	417	42,944
Schley	103,680	70,320	70,320	--	--	33,360
Screven	416,640	239,148	239,148	--	--	177,492
Seminole	165,440	51,298	50,967	--	331	114,142
Spalding	128,314	68,409	68,409	--	--	59,905
Stephens	110,912	85,470	85,254	--	216	25,442
Stewart	289,280	248,407	247,798	--	609	40,873
Sumter	312,576	117,675	117,675	--	--	194,901
Talbot	249,280	225,230	225,230	--	--	24,050
Taliaferro	124,800	108,098	106,959	--	1,139	16,702
Tattnall	313,600	185,675	185,510	--	165	127,921
Taylor	257,734	185,480	185,480	--	--	72,254
Telfair	281,600	197,159	197,059	--	100	84,441
Terrell	210,240	91,348	91,348	--	--	118,892
Thomas	346,240	179,048	179,048	--	--	167,192
Tift	170,240	58,464	58,464	--	--	111,776
Toombs	235,520	118,673	118,673	--	--	116,847
Towns	106,048	96,526	95,822	--	704	9,522
Treutlen	124,160	83,840	83,840	--	--	40,320
Troup	266,170	192,707	192,707	--	--	73,463
Turner	187,520	82,436	82,436	--	--	105,084
Twiggs	233,088	188,194	188,194	--	--	44,894
Union	197,696	171,435	168,870	--	2,565	26,261
Upson	213,632	158,030	158,030	--	--	55,602
Walker	284,544	180,538	179,273	--	1,265	104,006
Walton	211,200	120,973	120,798	--	175	90,227
Ware	583,680	510,174	340,739	14,142	155,293	73,506
Warren	181,427	125,299	125,299	--	--	56,128
Washington	430,822	292,886	292,360	--	526	137,936
Wayne	412,800	339,280	338,827	--	453	73,520
Webster	124,717	78,727	78,727	--	--	45,990
Wheeler	195,840	134,027	132,995	--	1,032	61,813
White	155,392	124,278	118,988	--	5,290	31,114
Whitfield	179,770	118,610	118,610	--	--	61,160
Wilcox	245,120	146,711	146,691	--	20	98,409
Wilkes	299,712	232,534	232,534	--	--	67,178
Wilkinson	292,634	241,625	241,625	--	--	51,009
Worth	370,560	156,223	156,223	--	--	214,337
Total	37,167,713	24,242,438	23,733,684	18,161	490,593	12,925,271

^aFrom the Bureau of the Census, 1970 and 1980.

^bIncludes 331,250 acres of water according to survey standards of area classification, but defined by the Bureau of Census as land.

Table 2.—Area of commercial forest land, by county and ownership class, Georgia, 1982

County	All ownerships	Ownership class							
		National Forest	Miscellaneous Federal	State	County and municipal	Forest industry	Farmer	Miscellaneous private	
								Corporate	Individ
Acres									
Appling	220,632	—	—	25	885	69,590	70,701	6,750	72,
Atkinson	155,030	—	—	—	—	61,726	52,482	2,916	37,
Bacon	118,587	—	—	—	2,367	24,671	43,217	2,702	45,
Baker	112,966	—	—	—	5	17,886	35,910	10,756	48,
Baldwin	117,799	—	—	5,093	185	16,286	—	—	96,
Banks	103,526	656	—	413	—	10,153	60,198	4,013	28,
Barrow	53,029	—	—	15	85	—	18,591	3,098	31,
Bartow	178,500	—	7,812	105	101	26,031	55,833	16,751	71,
Ben Hill	95,278	—	—	3	185	6,644	57,808	18,720	11,
Berrien	181,290	—	—	2,468	88	21,008	88,899	2,868	65,
Bibb	86,441	—	—	—	—	5,480	7,679	15,360	57,
Bleckley	61,067	—	—	70	40	20,071	32,072	708	8,
Brantley	255,092	—	—	6,219	—	158,744	29,404	7,793	52,
Brooks	142,780	—	—	—	304	21,051	75,965	8,440	37,
Bryan	236,685	—	89,394	7,171	115	43,772	42,107	2,885	51,
Bullock	227,709	—	—	125	268	22,760	146,779	5,372	52,
Burke	281,701	—	—	75	79	77,066	120,451	16,645	67,
Butts	81,625	—	—	510	20	12,973	5,991	2,217	59,
Calhoun	91,519	—	—	—	3	9,035	60,417	14,466	7,
Camden	298,931	—	6,657	—	—	141,377	2,867	2,867	145,
Candler	81,902	—	—	—	125	9,823	53,966	2,570	15,
Carroll	189,601	—	—	140	780	27,633	47,675	6,810	106,
Catoosa	49,648	—	1,578	—	138	3,591	—	—	44,
Charlton	318,444	—	5,490	—	1,145	180,901	24,947	43,658	62,
Chatham	100,946	—	3,345	10,030	1,020	31,818	3,225	9,678	41,
Chattahoochee	134,768	—	84,432	—	4	16,268	—	202	33,
Chattooga	148,967	15,489	—	—	—	17,020	21,174	10,587	84,
Cherokee	207,548	—	9,496	—	147	41,038	5,602	44,819	106,
Clarke	42,686	—	—	1,650	593	840	—	—	39,
Clay	78,016	—	2,310	—	21	12,715	6,683	4,952	51,
Clayton	46,309	—	428	35	3,594	—	3,018	21,126	18,
Clinch	464,955	—	2,410	—	110	245,008	23,748	107,944	85,
Cobb	101,689	—	2,597	90	325	—	3,178	25,430	70,
Coffee	229,038	—	—	—	277	12,542	153,726	8,717	53,
Colquitt	135,152	—	—	—	546	3,082	88,779	13,152	29,
Columbia	137,049	—	10,933	78	286	24,697	30,580	8,737	61,
Cook	69,612	—	—	—	327	6,151	54,731	2,737	5,
Coweta	199,020	—	—	—	2,915	25,255	31,382	17,433	122,
Crawford	160,022	—	—	—	33	65,574	13,094	9,769	71,
crisp	72,117	—	—	—	258	288	64,364	—	7,
Dade	76,383	—	—	—	47	11,822	23,460	—	41,
Dawson	116,385	6,546	1,185	4,639	10,050	13,632	4,725	14,176	61,
Decatur	191,911	—	6,720	370	574	33,921	78,171	12,025	60,
De Kalh	65,834	—	58	222	1,068	—	2,804	28,037	33,
Dodge	193,151	—	—	—	—	24,463	82,509	10,944	75,
Dooly	87,702	4,106	—	—	26	4,298	53,003	3,117	23,
Dougherty	87,878	—	1,384	100	187	15,326	17,721	26,580	26,
Douglas	93,979	—	—	—	890	2,222	—	23,355	67,
Early	152,434	—	354	245	25	10,409	108,280	—	33,
Echols	257,349	—	—	—	—	62,806	12,683	124,712	57,
Effingham	240,622	—	5,972	—	2%	56,306	63,175	15,167	99,
Elbert	155,962	—	13,405	—	267	41,467	25,891	11,489	63,
Emanuel	284,136	—	—	—	482	70,078	107,314	7,118	99,
Evans	70,827	—	15,858	—	178	6,458	24,167	—	24,

Contin

Table 2.- Area of commercial forest land, by county and ownership class, Georgia, 1982--Continued

County	All ownerships	Ownership class							
		National Forest	Miscellaneous Federal	State	County and municipal	Forest industry ^a	Farmer	Miscellaneous pri	
								Corporate	
----- Acres -----									
Fannin	195,772	73,635	—	—	49	461	51,212	12,802	5
Fayette	—	—	—	—	134	840	10,414	10,412	5
Floyd	208,131	8,264	—	510	599	21,429	41,664	41,794	9
Forsyth	83,288	—	5,504	—	35	235	22,024	4,097	5
Franklin	91,424	—	964	—	25	5,484	42,420	7,181	3
Fulton	168,598	—	—	105	1,480	3,025	10,250	23,914	12
Gilmer	248,891	52,441	3,805	—	17	16,729	36,218	20,694	11
Glascoc	64,365	—	—	—	—	14,688	29,972	3,746	1
Glynn	153,208	—	1,228	1,701	965	88,160	316	32,930	2
Gordon	129,656	5,660	56	—	85	23,061	18,183	—	8
Grady	153,624	—	—	—	170	7,765	116,856	3,247	2
Greene	197,142	20,110	—	617	153	51,727	29,901	3,597	9
Gwinnett	154,589	—	841	100	718	—	17,338	31,207	10
Habersham	129,059	39,268	—	124	43	3,606	20,240	15,179	5
Hall	151,111	—	7,915	203	3,018	7,504	30,772	13,188	8
Hancock	269,657	—	—	—	280	109,894	28,744	3,475	12
Haralson	137,513	—	—	—	510	26,265	45,657	3,512	6
Harris	242,627	—	—	30	60	26,763	26,516	26,517	16
Hart	63,010	—	5,704	750	25	3,763	38,377	—	1
Heard	150,603	—	5,381	—	266	51,570	6,908	17,370	6
Henry	121,180	—	—	80	285	4,093	47,321	18,927	5
Houston	119,871	—	2,130	—	410	50,869	29,076	8,308	2
Irwin	107,357	—	—	—	59	9,594	69,462	6,014	2
Jackson	119,467	—	—	447	202	3,298	28,880	7,220	7
Jasper	188,203	23,769	6,092	—	30	34,276	38,259	13,509	7
Jeff Davis	147,124	—	—	—	9	42,843	40,550	17,379	4
Jefferson	187,730	—	4,198	—	113	36,608	89,403	3,588	5
Jenkins	129,568	—	40	14	45	46,868	61,424	—	2
Johnson	109,097	—	—	—	52	19,185	57,183	5,446	2
Jones	215,324	20,947	26,517	—	420	51,312	35,771	7,228	7
Lamar	78,634	—	—	—	427	12,268	13,784	467	5
Lanier	87,323	—	6,530	—	—	14,797	33,872	7,259	2
Laurens	313,161	—	m	—	1,071	35,644	129,333	1,018	14
Lee	89,022	—	—	—	40	3,487	52,684	3,850	2
Liberty	255,627	—	103,221	—	264	51,047	—	6,696	9
Lincoln	103,263	—	20,721	—	—	10,889	20,332	3,948	4
Long	234,556	—	26,406	—	—	115,137	24,663	—	6
Lowndes	211,169	—	1,868	136	1,191	61,415	85,236	15,320	4
Lumpkin	163,275	57,252	223	420	26	15,041	38,707	17,202	3
Macon	115,487	—	—	—	747	26,443	49,123	10,341	2
Madison	100,685	—	—	—	75	16,094	19,265	10,447	5
Marion	186,332	—	425	—	65	74,581	9,300	—	10
McDuffie	113,555	—	14,353	200	87	14,937	27,252	4,473	5
McIntosh	190,233	—	700	8,000	a2	122,177	2,776	5,553	5
Meriwether	229,739	—	—	2,905	2,039	56,549	48,133	12,336	10
Miller	60,038	—	—	—	32	10,233	36,306	2,694	1
Mitchell	101,738	—	—	3	117	4,319	67,361	11,227	1
Monroe	203,356	—	—	—	180	57,012	24,676	13,575	10
Montgomery	99,387	—	—	38	22	14,281	62,199	—	2
Morgan	129,917	281	—	130	121	21,891	38,391	11,517	5
Murray	148,803	45,838	1,178	—	54	20,550	12,180	91	6
Muscogee	96,228	—	39,727	—	1,301	993	—	12,509	4
Newton	108,559	—	—	245	721	8,581	14,668	18,338	6
Oconee	69,097	160	200	176	34	4,418	8,014	8,014	4

Cont

Table 2.-Area of commercial forest land, by county and ownership class, Georgia, 1982—Continued

County	All ownerships	Ownership class							
		National Forest	Miscellaneous Federal	State	County and municipal	Forest industry ^a	Farmer	Miscellaneous private	
								Corporate	Individual
----- Acres -----									
Oglethorpe	220,615	3,771	—	300	40	87,077	30,052	10,204	89,1
Paulding	158,618	—	—	—	10,055	31,930	10,824	3,608	102,2
Peach	39,376	—	68	194	—	2,308	24,321	4,053	8,4
Pickens	121,845	—	—	2	85	20,137	15,243	20,324	66,0
Pierce	142,128	—	—	—	75	30,594	81,019	2,490	27,9
Pike	82,514	—	—	35	227	10,303	18,743	6,350	46,8
Polk	141,017	—	—	—	425	31,425	28,912	10,842	69,4
Pulaski	71,990	—	44	18	—	9,692	31,117	6,223	24,E
Putnam	178,396	31,201	—	12,a.N	238	48,206	35,276	6,117	45,:
Quitman	84,886	—	758	—	8	12,677	27,852	14,215	29,:
Rabun	207,055	124,553	—	20	70	—	13,012	26,024	43,:
Randolph	165,996	—	—	—	—	31,686	55,874	10,921	67,:
Richmond	117,350	—	40,096	145	170	16,570	10,714	11,035	38,6
Rockdale	38,501	—	—	392	32	1,048	3,703	11,109	22,;
Schley	70,320	—	—	—	15	14,747	27,288	—	28,;
Screven	239,148	—	—	—	1,374	58,411	111,733	20,583	47,0
Seminole	50,967	—	3,561	—	—	3,327	25,712	3,673	14,6
Spalding	68,409	—	—	300	255	1,625	4,412	8,825	52,9
Stephens	85,254	20,523	1,140	—	369	3,185	26,683	6,671	26,6
Stewart	247,798	—	383	—	97	74,671	41,875	80,862	49,9
Sumter	117,675	—	100	50	200	19,473	32,673	21,891	43,i
Talbot	225,230	—	—	3,599	21	52,673	30,078	14,091	124,7
Taliaferro	106,959	—	—	—	88	40,729	14,153	4,015	47,9
Tattnall	185,510	—	4,667	2,044	—	28,539	95,463	5,219	49,5
Taylor	185,480	—	60	—	120	43,123	36,099	36,099	69,9
Telfair	197,059	—	—	—	6	59,066	60,791	3,813	73,:
Terrell	91,348	—	—	—	—	3,972	53,659	8,586	25,1
Thomas	179,048	—	—	20	527	5,225	74,042	30,850	68,:
Tift	58,464	—	—	581	292	—	49,364	2,743	5,4
Toombs	118,673	—	—	248	289	23,583	59,561	7,959	27,0
Towns	95,822	50,285	—	—	20	217	16,988	—	28,:
Treutlen	83,840	—	—	—	50	9,648	44,042	—	30,1
Troup	192,707	—	11,928	—	585	23,885	18,175	25,446	112,6
Turner	82,436	—	—	—	81	4,171	50,027	—	28,1
Twiggs	188,194	—	—	—	—	57,828	24,577	17,555	88,2
Union	168,870	89,067	—	290	54	3,162	30,424	236	45,c
Upson	158,030	—	—	—	549	46,857	27,257	9,084	74,2
Walker	179,273	20,814	—	10,500	14	3,432	52,552	21,896	70,0
Walton	120,798	—	—	—	444	5,517	37,597	12,304	64,9
Ware	340,739	—	3,932	29,678	1,273	162,906	31,849	—	111,1
Warren	125,299	—	126	—	14	43,756	35,818	6,056	39,5
Washington	292,360	—	—	—	140	46,175	80,724	26,910	138,4
Wayne	338,827	—	—	—	373	187,171	48,521	—	102,7
Webster	78,727	—	—	—	—	35,829	27,628	7,649	7,6
Wheeler	132,995	—	—	80	4	20,193	37,199	2,480	73,c
White	118,988	40,184	—	—	69	2,836	11,983	—	63,9
Whitfield	118,610	10,075	8	—	430	16,158	—	12,439	79,5
Wilcox	146,691	—	—	57	26	16,118	71,339	12,516	46,6
Wilkes	232,534	—	6,518	149	127	74,624	29,211	3,355	118,:
Wilkinson	241,625	—	—	130	240	54,809	28,257	24,979	133,;
Worth	156,223	—	—	47	68	3,969	105,140	2,628	44,3
Total	23,733,684	764,895	631,154	117,704	70,009	4,963,738	6,120,268	1,884,652	9,181,2

^aNot including 972,510 acres of farmer-owned and miscellaneous private lands leased to forest industry.

Table 3.—Area of commercial forest land, by county and forest-type group, Georgia, 1982

County	All type groups	Forest-type group								Ma
		White pine hemlock	Spruce-fir	Longleaf-slash	Loblolly-shortleaf	Oak-pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	
Acres										
Appling	220,632	---	---	124,135	16,598	12,395	11,514	55,990	---	
Atkinson	155,030	---	---	96,481	10,769	8,748	11,216	27,816	---	
Bacon	118,587	---	---	76,621	3,884	11,531	10,804	15,747	---	
Baker	112,966	---	---	34,097	5,379	16,140	37,197	20,153	---	
Baldwin	117,799	---	---	13,958	61,828	11,007	19,999	4,340	6,667	
Banks	103,526	---	---	---	37,181	25,556	32,762	---	8,027	
Barrow	53,029	---	---	---	25,144	12,393	12,394	---	3,098	
Bartow	178,500	---	---	5,584	79,330	38,437	55,179	---	---	
Ben Hill	95,278	---	---	48,786	18,720	11,532	5,536	10,704	---	
Berrien	181,290	---	---	71,095	15,760	27,145	14,339	52,951	---	
Bibb	86,441	---	---	3,840	34,883	11,519	21,939	11,520	2,740	
Bleckley	61,067	---	---	8,216	15,864	3,563	15,156	18,268	---	
Brantley	255,092	---	---	126,841	20,365	35,130	8,714	64,042	---	
Brooks	142,780	---	---	26,399	20,140	11,255	33,955	48,218	2,813	
Bryan	236,685	---	---	84,974	50,720	35,451	8,835	56,705	---	
Bulloch	227,709	---	---	54,175	21,805	47,170	35,075	69,483	---	
Burke	281,701	---	---	65,538	39,592	32,934	84,776	45,899	12,962	
Butts	81,625	---	---	---	41,674	15,475	23,966	510	---	
Calhoun	91,519	---	---	10,662	8,561	---	46,451	22,291	3,554	
Camden	298,931	---	---	133,654	33,835	32,238	24,084	72,633	2,437	
Candler	81,902	---	---	22,797	2,569	12,848	20,558	23,130	---	
Carroll	189,601	---	---	---	68,439	30,649	80,248	3,406	6,859	
Catoosa	49,648	---	---	---	3,591	7,912	31,811	---	6,334	
Charlton	318,444	---	---	240,732	7,537	15,075	12,474	42,626	---	
Chatham	100,946	---	---	21,159	21,274	11,299	31,539	15,675	---	
Chattahoochee	134,768	---	---	8,169	45,906	16,340	53,458	8,171	2,724	
Chattooga	148,967	---	---	---	34,598	48,669	65,700	---	---	
Cherokee	207,548	---	---	---	88,321	26,970	86,655	---	5,602	
Clarke	42,686	---	---	---	22,842	8,801	6,643	4,400	---	
Clay	78,016	---	---	12,846	23,084	7,839	24,221	10,026	---	
Clayton	46,309	---	---	---	21,589	6,036	15,666	3,018	---	
Clinch	464,955	---	---	306,908	12,234	20,528	---	125,285	---	
Cobb	101,689	---	---	---	72,991	12,714	12,805	---	3,179	
Coffee	229,038	---	---	122,145	11,623	34,467	14,525	46,278	---	
Colquitt	135,152	---	---	66,101	9,864	16,441	9,864	32,882	---	
Columbia	137,049	---	---	---	72,871	17,552	22,418	4,369	19,839	
Cook	69,612	---	---	16,940	5,473	8,209	2,737	36,253	---	
Coweta	199,020	---	---	---	65,676	55,072	60,838	---	17,434	
Crawford	160,022	---	---	3,934	86,245	33,239	31,070	5,534	---	
crisp	72,117	---	---	28,950	2,681	8,046	8,046	24,394	---	
Dade	76,383	---	---	---	11,730	5,865	52,923	---	5,865	
Dawson	116,385	---	---	---	33,173	23,928	62,284	---	---	
Decatur	191,911	---	---	69,195	32,172	17,859	42,093	27,765	2,827	
De Kalb	65,834	---	---	---	34,936	8,410	19,685	---	2,803	
Dodge	193,151	---	---	97,044	15,477	21,888	25,963	28,702	4,077	
Dooly	87,702	---	---	21,845	9,353	11,502	21,825	23,177	---	
Dougherty	87,878	---	---	21,294	17,669	4,433	15,666	8,810	20,009	
Douglas	93,979	---	---	---	24,140	15,566	50,047	a90	3,336	
Early	152,434	---	---	42,255	16,305	8,547	40,004	45,323	---	
Echols	257,349	---	---	159,398	5,480	12,410	8,398	71,663	---	
Effingham	240,622	---	---	83,415	57,112	16,055	39,074	41,980	2,986	
Elbert	155,962	---	---	---	73,617	33,650	44,087	4,608	---	
Emanuel	284,136	---	---	137,345	32,265	24,116	29,507	60,903	---	
Evans	70,827	---	---	19,144	10,838	3,199	14,726	22,920	---	

Cont

Table 3.—Area of commercial forest land, by county and forest-type group, Georgia, 1982—Continued

County	All type groups	Forest-type group								
		White pine hemlock	spruce fir	Longleaf- slash	Loblolly- shortleaf	Oak- pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	Maple-bee- birch
Acres										
Fannin	195,772	9,204	—	—	30,207	30,210	126,151	—	—	—
Fayette	73,865	—	—	—	27,006	10,413	26,032	—	10,414	—
Floyd	208,131	—	—	—	97,036	16,134	84,544	—	10,417	—
Forsyth	83,288	—	—	—	35,531	7,377	40,380	—	—	—
Franklin	91,424	—	—	—	37,410	7,095	39,849	—	7,070	—
Fulton	168,598	—	—	—	89,177	13,770	55,402	3,416	6,833	—
Gilmer	248,891	10,347	—	—	21,115	55,299	156,957	—	5,173	—
Glascock	64,365	—	—	7,494	11,239	16,134	17,285	7,492	4,721	—
Glynn	153,208	—	—	28,156	56,664	11,416	19,916	37,056	—	—
Gordon	129,656	—	—	—	51,154	37,209	32,201	9,092	—	—
Grady	153,624	—	—	18,171	30,773	23,359	35,707	45,614	—	—
Greene	197,142	—	—	—	122,415	27,028	40,505	3,597	3,597	—
Gwinnett	154,589	—	—	—	83,326	24,271	43,524	—	3,468	—
Habersham	129,059	—	—	—	50,244	27,542	51,273	—	—	—
Hall	151,111	—	—	—	56,416	19,761	73,351	1,583	—	—
Hancock	269,657	—	—	10,566	153,857	28,150	66,658	10,426	—	—
Haralson	137,513	—	—	—	49,941	24,584	52,452	—	10,536	—
Harris	242,627	—	—	11,399	116,741	61,347	41,739	3,788	7,613	—
Hart	63,010	—	—	—	21,977	—	41,033	—	—	—
Heard	150,603	—	—	—	83,101	11,598	52,450	3,454	—	—
Henry	121,180	—	—	—	58,087	25,237	34,702	—	3,154	—
Houston	119,871	—	—	—	27,384	7,333	53,280	27,720	4,154	—
Irwin	107,357	—	—	46,552	8,337	16,669	11,115	24,684	—	—
Jackson	119,467	—	—	—	71,235	7,220	33,792	—	7,220	—
Jasper	188,203	—	—	—	103,624	27,953	56,596	30	—	—
Jeff Davis	147,124	—	—	71,517	12,785	29,365	3,295	30,162	—	—
Jefferson	187,730	—	—	25,553	39,725	17,939	53,964	50,549	—	—
Jenkins	129,568	—	—	39,969	15,167	14,992	21,189	38,251	—	—
Johnson	109,097	—	—	27,266	19,097	24,524	16,408	21,802	—	—
Jones	215,324	—	—	—	146,401	27,064	31,082	3,556	7,221	—
Lamar	78,634	—	—	—	40,729	—	20,675	10,338	6,892	—
Lanier	87,323	—	—	29,417	14,704	4,840	4,838	33,524	—	—
Laurens	313,161	—	—	102,212	52,481	32,421	57,069	62,922	6,056	—
Lee	89,022	—	—	22,858	5,255	7,024	39,836	10,537	3,512	—
Liberty	255,627	—	—	98,377	49,844	21,768	46,462	39,176	—	—
Lincoln	103,263	—	—	—	57,503	22,073	23,687	—	—	—
Long	234,556	—	—	78,614	27,152	35,415	21,551	68,865	2,959	—
Lades	211,169	—	—	68,510	9,192	28,561	36,951	67,955	—	—
Lumpkin	163,275	18,614	—	—	41,936	27,216	75,509	—	—	—
Macon	115,487	—	—	—	15,629	15,630	49,514	32,128	2,586	—
Madison	100,685	—	—	—	44,085	19,339	33,409	3,852	—	—
Marion	186,332	—	—	11,612	56,599	8,379	83,852	16,758	9,132	—
McDuffie	113,555	—	—	4,473	66,956	8,947	13,420	19,759	—	—
McIntosh	190,233	—	—	60,946	28,734	25,786	34,289	37,702	2,776	—
Meriwether	229,739	—	—	—	109,669	9,026	75,593	32,475	2,976	—
Miller	60,038	—	—	15,890	—	10,773	15,922	17,453	—	—
Mitchell	101,738	—	—	49,346	11,227	11,227	18,712	7,484	3,742	—
Monroe	203,356	—	—	2,715	99,696	28,788	61,216	—	10,941	—
Montgomery	99,387	—	—	40,892	11,489	12,910	17,617	12,909	3,570	—
Morgan	129,917	—	—	—	57,614	30,523	37,820	3,839	121	—
Murray	148,803	—	—	—	67,912	15,257	62,209	3,425	—	—
Muscogee	96,228	—	—	3,612	48,798	16,211	16,772	7,223	3,612	—
Newton	108,559	—	—	—	53,394	10,194	37,637	—	7,334	—
Oconee	69,097	—	—	—	28,852	20,211	12,020	4,007	4,007	—

Continued

Table 3.—Area of commercial forest land, by county and forest-type group, Georgia, 1982—Continued

County	All type groups	Forest-type group								
		White pine- hemlock	Spruce- fir	Longleaf- slash	Loblolly- shortleaf p	Oak- n t ?	Oak- hickory	Oak-gun- cypress	Elm-ash- cottonwood	Maple bi
----- Acres -----										
Oglethorpe	220,615	---	---	---	110,239	11,812	64,721	8,586	25,257	---
Paulding	158,618	---	---	---	85,787	14,432	58,399	---	---	---
Peach	39,376	---	---	4,054	12,422	---	18,846	4,054	---	---
Pickens	121,845	---	---	---	47,447	5,081	69,317	---	---	---
Pierce	142,128	---	---	67,582	9,084	15,399	12,449	37,614	---	---
Pike	82,514	---	---	---	30,244	6,248	33,847	5,927	6,248	---
Polk	141,017	---	---	---	76,210	14,456	50,351	---	---	---
Pulaski	71,990	---	---	14,181	7,958	12,449	15,602	21,801	---	---
Putnam	178,396	---	---	---	102,889	21,563	53,944	---	---	---
Quitman	84,886	---	---	---	48,830	14,049	10,071	11,936	---	---
Rabun	207,055	29,893	---	---	42,262	32,939	101,961	---	---	---
Randolph	165,996	---	---	16,955	52,131	14,899	46,754	27,809	7,448	---
Richmond	117,350	---	---	15,476	29,950	9,441	33,230	22,625	6,628	---
Rockdale	38,501	---	---	---	18,907	7,406	12,188	---	---	---
Schley	70,320	---	---	---	18,037	13,644	27,854	10,785	---	---
Screven	239,148	---	---	49,192	40,690	14,542	58,331	73,611	2,782	---
Seminole	50,967	---	---	14,693	---	10,673	11,020	14,581	---	---
Spalding	68,409	---	---	---	37,482	13,276	8,826	8,825	---	---
Stephens	85,254	---	---	---	33,973	16,388	34,893	---	---	---
Stewart	247,798	---	---	10,781	128,641	25,657	72,690	6,156	3,873	---
Sumter	117,675	---	---	27,489	27,757	10,760	18,996	26,732	5,941	---
Talbot	225,230	---	---	4,297	117,618	45,960	42,070	8,594	6,691	---
Taliaferro	106,959	---	---	---	61,688	31,117	14,154	---	---	---
Tattnall	185,510	---	---	81,560	14,006	16,614	26,495	41,616	5,219	---
Taylor	185,480	---	---	51,625	29,886	16,014	65,071	22,884	---	---
Telfair	197,059	---	---	94,682	24,500	7,079	7,828	52,829	10,141	---
Terrell	91,348	---	---	7,155	15,829	3,578	14,339	46,900	3,577	---
Thomas	179,048	---	---	41,848	30,870	33,936	36,205	36,189	---	---
Tift	58,464	---	---	28,297	2,743	8,228	2,743	16,453	---	---
Toombs	118,673	---	---	40,338	9,760	12,638	24,864	28,483	2,590	---
Towns	95,822	---	---	---	15,752	21,177	58,893	---	---	---
Treutlen	83,840	---	---	47,307	12,247	12,040	3,010	9,236	---	---
Troup	192,707	---	---	---	109,262	16,926	58,161	---	8,358	---
Turner	82,436	---	---	50,790	---	10,005	6,672	14,969	---	---
Twiggs	188,194	---	---	3,511	73,665	17,555	68,197	10,877	14,389	---
Union	168,870	8,906	---	---	48,799	8,907	102,258	---	---	---
Upson	158,030	---	---	5,207	61,923	11,688	64,921	14,291	---	---
Walker	179,273	---	---	---	47,961	28,835	102,477	---	---	---
Walton	120,798	---	---	---	59,276	17,089	27,344	17,089	---	---
Ware	340,739	---	---	232,561	16,936	16,150	2,546	72,546	---	---
Warren	125,299	---	---	5,470	60,438	14,553	41,797	3,041	---	---
Washington	292,360	---	---	29,678	113,701	41,660	81,178	22,299	3,844	---
Wayne	338,827	---	---	174,525	27,695	39,251	14,272	80,371	2,713	---
Webster	78,727	---	---	19,377	14,342	3,981	32,138	5,436	3,453	---
Wheeler	132,995	---	---	60,137	9,585	21,399	13,957	18,918	8,999	---
"White	118,988	4,465	---	---	45,352	15,980	49,197	---	3,994	---
Whit field	118,610	---	---	---	54,872	15,892	41,731	---	6,115	---
Wilcox	146,691	---	---	67,564	5,481	17,632	8,917	47,097	---	---
Wilkes	232,534	---	---	3,354	141,924	46,965	25,252	11,684	3,355	---
Wilkinson	241,625	---	---	12,110	82,088	31,812	61,167	43,559	10,889	---
Worth	156,223	---	---	89,625	14,842	10,514	12,281	28,961	---	---
Total	23,733,684	81,429	---	4,734,210	6,623,280	2,959,550	5,805,257	3,069,475	460,483	---

Table 4.--Area of commercial forest land, by county and stand-size class,
Georgia, 1982

County	All stands	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
Acres					
Appling	220,632	60,574	78,326	62,188	19,544
Atkinson	155,030	28,263	56,763	59,235	10,769
Bacon	118,587	20,091	48,282	44,812	5,402
Baker	112,966	61,450	25,078	15,682	10,756
Baldwin	117,799	50,565	49,561	17,673	--
Banks	103,526	45,214	37,182	21,130	--
Barrow	53,029	30,998	12,652	6,281	3,098
Bartow	178,500	90,845	57,890	24,559	5,206
Ben Hill	95,278	32,102	40,295	14,853	8,028
Berrien	181,290	78,252	50,851	43,584	8,603
Bibb	86,441	49,145	18,099	19,197	--
Bleckley	61,067	30,458	7,617	22,992	--
Brantley	255,092	49,445	93,179	100,815	11,653
Brooks	142,780	65,401	31,977	39,775	5,627
Bryan	236,685	119,250	68,529	46,277	2,629
Bulloch	227,709	128,190	53,527	43,306	2,686
Burke	281,701	123,669	81,365	65,194	11,473
Butts	81,625	27,458	24,474	26,677	3,016
Calhoun	91,519	48,619	21,324	21,573	3
Camden	298,931	98,532	105,933	81,850	12,616
Candler	81,902	28,393	15,420	30,380	7,709
Carroll	189,601	51,315	79,295	55,586	3,405
Catoosa	49,648	20,720	12,668	16,260	--
Chatlton	318,444	79,991	132,437	85,399	20,617
Chatham	100,946	48,036	40,726	6,451	5,733
Chat tahoochee	134,768	51,714	37,508	40,098	5,448
Chat tooga	148,967	52,932	61,059	26,845	8,131
Cherokee	207,548	98,237	64,101	45,210	--
Clarke	42,686	18,193	20,093	4,400	--
Clay	78,016	34,593	14,194	29,229	--
Clayton	46,309	22,165	12,072	12,072	--
Clinch	464,955	69,928	193,425	186,635	14,967
Cobb	101,689	69,904	22,249	9,536	--
Coffee	229,038	43,581	93,439	66,268	25,750
Colquitt	135,152	59,524	42,746	32,882	--
Columbia	137,049	64,692	42,404	25,584	4,369
Cook	69,612	27,365	22,752	16,758	2,737
Coweta	199,020	72,862	48,244	70,940	6,974
Crawford	160,022	34,836	50,740	74,446	--
Crisp	72,117	37,547	18,221	13,668	2,681
Dade	76,383	31,340	39,178	5,865	--
Dawson	116,385	41,109	61,100	14,176	--
Decatur	191,911	79,916	48,296	60,692	3,007
De Kalb	65,834	40,599	22,431	--	2,804
Dodge	193,151	92,969	58,795	31,839	9,548
Dooly	87,702	45,729	30,471	5,267	6,235
Dougherty	87,878	51,611	31,650	4,617	--
Douglas	93,979	61,731	13,346	18,902	--
Early	152,434	42,331	71,248	36,006	2,849
Echols	257,349	43,979	104,858	102,558	5,954
Effingham	240,622	105,330	85,204	34,288	15,800
Elbert	155,962	32,730	58,404	64,828	--
Emanue 1	284,136	91,699	101,158	67,132	24,147
Evans	70,827	36,200	23,412	11,215	--

Continued

Table 4.--Area of commercial forest land, by county and stand-size class,
Georgia, 1982--Continued

county	All stands	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
Acres					
Fannin	195,772	91,835	78,332	25,605	--
Fayette	73,865	42,491	20,827	10,547	--
Floyd	208,131	102,521	70,998	30,327	4,285
Forsyth	83,288	38,811	33,464	7,342	3,671
Franklin	91,424	36,450	37,299	17,675	--
Fulton	168,598	120,421	37,188	10,989	--
Gilmer	248,891	121,143	96,708	31,040	--
Glascocock	64,365	33,244	18,733	12,388	--
Glynn	153,208	54,494	41,626	46,145	10,943
Gordon	129,656	51,801	42,194	33,565	2,096
Grady	153,624	94,941	38,952	19,731	--
Greene	197,142	61,290	68,194	67,658	--
Gwinnett	154,589	92,885	38,985	22,719	--
Habersham	129,059	68,527	40,646	19,886	--
Hall	151,111	53,103	56,120	28,700	13,188
Hancock	269,657	106,036	73,611	86,465	3,545
Haralson	137,513	62,530	52,733	18,738	3,512
Harris	242,627	72,078	81,603	88,946	--
Hart	63,010	20,871	35,460	6,679	--
Heard	150,603	38,465	38,465	73,673	--
Henry	121,180	65,506	30,437	25,237	--
Houston	119,871	56,079	19,795	40,818	3,179
Irwin	107,357	49,689	35,820	16,292	5,556
Jackson	119,467	64,015	33,792	21,660	--
Jasper	188,203	84,093	56,596	44,398	3,116
Jeff Davis	147,124	47,153	54,525	45,446	--
Jefferson	187,730	101,217	54,076	28,849	3,588
Jenkins	129,568	46,746	57,695	25,127	--
Johnson	109,097	32,728	38,194	38,175	--
Jones	215,324	124,164	51,974	32,203	6,983
Lamar	78,634	36,173	21,142	21,319	--
Lanier	87,323	14,610	35,611	32,264	4,838
Laurens	313,161	167,188	77,956	55,902	12,115
Lee	89,022	57,411	17,562	14,049	--
Liberty	255,627	115,443	56,626	67,685	15,873
Lincoln	103,263	51,570	23,193	28,500	--
Long	234,556	99,826	59,841	61,005	13,884
Lowndes	211,169	68,171	77,624	59,750	5,624
Lumpkin	163,275	102,768	56,206	4,301	--
Macon	115,487	54,534	31,890	18,334	10,729
Madison	100,685	33,407	37,088	30,190	--
Marion	186,332	48,219	67,030	46,868	24,215
McDuffie	113,555	58,779	32,441	22,335	--
McIntosh	190,233	72,286	64,166	46,017	7,764
Meriwether	229,739	58,387	75,041	87,383	8,928
Miller	60,038	26,665	14,790	15,889	2,694
Mitchell	101,738	44,908	34,376	22,454	--
Monroe	203,356	58,403	93,208	51,745	--
Montgomery	99,387	34,399	44,488	10,819	9,681
Morgan	129,917	38,610	57,205	34,102	--
Murray	148,803	68,681	57,256	22,866	--
Muscogee	96,228	35,947	17,207	39,463	3,611
Newton	108,559	58,587	21,442	28,530	--
Oconee	69,097	32,626	28,047	8,424	--

Continued

Table 4.--Area of commercial forest land, by county and stand-size class,
Georgia, 1982--Continued

County	All stands	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
Acres					
Oglethorpe	220,615	100,759	64,442	51,120	4,294
Paulding	158,618	42,062	74,534	37,460	4,562
Peach	39,376	14,537	16,213	8,300	326
Pickens	121,845	60,785	40,734	20,326	
Pierce	142,128	56,465	53,117	20,097	12,449
Pike	82,514	29,046	40,972	12,496	
Polk	141,017	50,777	61,573	28,667	
Pulaski	71,990	28,052	18,671	25,249	18
Putnam	178,396	45,256	57,137	76,003	
Quitman	84,886	30,894	15,823	34,190	3,979
Rabun	207,055	141,105	51,004	14,946	
Randolph	165,996	74,006	45,877	46,113	
Richmond	117,350	44,785	22,658	40,467	9,440
Rockdale	38,501	25,920	7,830	4,751	
Schley	70,320	24,429	20,481	25,410	
Screven	239,148	130,568	53,191	55,389	
Seminole	50,967	12,800	14,693	12,454	11,020
Spalding	68,409	41,895	13,278	13,236	
Stephens	85,254	36,034	27,051	18,065	4,104
Stewart	247,798	60,264	73,988	100,413	13,133
Sumter	117,675	54,690	31,600	31,385	
Talbot	225,230	50,993	101,307	72,930	
Taliaferro	106,959	44,001	24,423	35,704	2,831
Tattnall	185,510	69,481	57,272	45,031	13,726
Taylor	185,480	41,904	44,060	73,551	25,965
Telfair	197,059	96,391	56,151	37,095	7,422
Terre11	91,348	42,929	32,591	15,828	
Thomas	179,048	104,060	28,711	46,277	
Tift	58,464	39,266	10,970	8,228	
Toombs	118,673	34,980	39,131	28,247	16,315
Towns	95,822	57,666	37,939	217	
Treutlen	83,840	36,326,	24,336	23,178	
Troup	192,707	78,511	57,998	56,198	
Turner	82,436	40,022	20,850	21,564	
Twiggs	188,194	82,586	57,898	47,710	
Union	168,870	87,304	52,993	28,573	
Upson	158,030	58,656	61,043	38,331	
Walker	179,273	63,867	97,876	17,530	
Walton	120,798	75,190	23,926	18,264	3,418
Ware	340,739	71,505	105,791	146,061	17,382
Warren	125,299	56,743	44,909	17,592	6,055
Washington	292,360	100,320	113,482	74,714	3,844
Wayne	338,827	75,368	113,289	133,327	16,843
Webster	78,727	21,248	15,270	34,775	7,434
Wheeler	132,995	59,233	33,205	38,078	2,479
White	118,988	50,355	53,342	12,455	2,836
Whitfield	118,610	52,154	45,526	14,815	6,115
Wilcox	146,691	59,532	46,863	37,323	2,973
Wilkes	232,534	105,319	98,871	28,344	
Wilkinson	241,625	95,792	90,646	51,151	4,036
Worth	156,223	56,639	53,358	39,268	6,958
Total	23,733,684	9,508,717	7,721,620	5,809,798	693,549

Table 5.--Area of commercial forest land, by county and site class,
Georgia, 1982

County	All classes	Site class				
		1	2	3	4	5
Acres						
Appling	220,632	---	8,838	46,595	148,332	14,867
Atkinson	155,030	2,914	--	27,372	113,972	10,770
Bacon	118,587	---	2,701	39,141	64,155	12,590
Raker	112,966	---	---	31,362	65,470	16,134
Baldwin	117,799	---	--	50,059	67,740	--
Banks	103,526	--	4,013	24,735	74,778	---
Barrow	53,029	---	---	15,507	37,522	---
Bartow	178,500	---	5,583	25,039	131,128	16,750
Ben Hill	95,278	---	2,475	23,062	64,190	5,351
Berrien	181,290	---	7,835	49,008	108,008	16,439
Bibb	86,441	---	7,679	23,038	55,724	---
Bleckley	61,067	---	4,014	20,856	32,633	3,564
Brantley	255,092	---	5,826	34,849	170,683	43,734
Brooks	142,780	2,814	8,442	48,518	68,939	14,067
Bryan	236,685	---	12,983	85,066	127,227	11,409
Bulloch	227,709	2,686	19,202	78,370	127,183	268
Burke	281,701	---	3,329	84,692	187,023	4,657
Butts	81,625	---	--	14,978	66,647	---
Calhoun	91,519	---	---	15,669	75,850	---
Camden	298,931	---	7,311	72,321	208,261	11,038
Candler	81,902	---	5,139	15,419	48,371	12,973
Carroll	189,601	---	7,000	52,006	119,330	11,265
Catoosa	49,648	---	--	14,247	22,594	12,807
Charlton	318,444	---	5,631	63,183	235,250	14,380
Chatham	100,946	---	20,675	32,389	46,862	1,020
Chattahoochee	134,768	---	12,239	50,469	43,885	8,175
Chattooga	148,967	---	--	34,599	109,075	5,293
Cherokee	207,548	---	5,749	86,888	104,749	10,162
Clarke	42,486	---	--	10,233	32,453	---
Clay	78,016	---	--	24,547	53,448	21
Clayton	46,309	---	6,036	15,553	18,684	6,036
Clinch	464,955	---	---	60,632	355,086	49,237
Cobb	101,689	---	12,133	44,828	44,728	---
Coffee	229,038	2,905	3,183	46,401	159,117	17,432
Colquitt	135,152	---	6,576	49,867	62,267	16,442
Columbia	137,049	---	24,206	57,253	51,221	4,369
Cook	69,412	---	2,737	27,561	36,251	3,063
Coweta	199,020	---	6,973	102,321	86,239	3,487
Crawford	160,022	2,851	13,569	35,039	104,629	3,934
Crisp	72,117	---	5,364	21,454	42,360	2,939
Dade	76,383	---	5,864	27,400	37,254	5,865
Dawson	114,385	---	11,272	57,260	47,853	---
Decatur	191,911	2,827	11,666	65,603	100,150	11,665
De Kalb	65,834	---	--	20,752	45,082	---
Dodge	193,151	---	10,944	72,476	106,996	2,735
Dooly	87,702	---	--	49,083	35,501	3,118
Dougherty	87,878	---	--	42,008	43,481	2,189
Douglas	93,979	---	890	35,586	57,503	---
Early	152,434	---	--	36,011	105,027	11,396
Echols	257,349	---	---	36,344	190,549	30,436
Effingham	240,622	---	10,533	59,386	163,495	7,208
Elbert	155,962	---	--	33,785	122,177	---
Emanuel	284,136	---	--	60,929	193,716	29,491
Evans	70,827	2,643	178	25,562	39,423	3,021

Continued

Table 5.--Area of commercial forest land, by county and site class,
Georgia, 1982--Continued

county	All classes	Site class				
		1	2	3	4	5
		Acres				
Fannin	195,772	---	22,007	50,927	116,437	6,401
Fayette	73,865	---	16,459	31,372	26,034	---
Floyd	208,131	---	---	41,666	162,179	4,286
Forsyth	83,288	---	---	31,435	44,476	7,377
Franklin	91,424	---	---	15,215	76,209	---
Fulton	168,598	---	20,499	95,371	49,312	3,416
Gilmer	248,891	---	25,064	67,260	135,875	20,692
Glascocock	64,365	---	---	28,524	35,841	---
Glynn	153,208	2,672	2,671	52,776	92,052	3,037
Gordon	129,656	---	---	85	101,480	28,091
Grady	153,624	6,492	8,434	58,852	79,846	---
Greene	197,142	---	7,619	57,868	128,058	3,597
Gwinnett	154,589	---	6,934	70,527	77,128	---
Habersham	129,059	---	5,060	36,518	87,481	---
Hall	151,111	4,396	8,792	61,951	74,389	1,583
Hancock	269,657	---	14,041	122,159	133,457	---
Haralson	137,513	---	---	41,687	92,314	3,512
Harris	242,627	---	15,152	74,536	137,752	15,187
Hart	63,010	---	--	9,594	53,416	---
Heard	150,603	---	6,909	49,814	89,192	4,688
Henry	121,180	---	---	40,265	80,915	---
Houston	119,871	---	14,667	52,488	52,716	---
Irwin	107,357	---	7,956	38,577	52,489	8,335
Jackson	119,467	---	447	49,330	69,690	---
Jasper	188,203	4,251	9,258	95,968	71,359	7,367
Jeff Davis	147,124	---	9	26,867	111,559	8,689
Jefferson	187,730	---	3,587	87,157	89,810	7,176
Jenkins	129,568	3,233	2,604	35,074	82,191	6,466
Johnson	109,097	---	2,723	49,103	51,807	5,464
Jones	215,324	---	16,189	139,582	59,553	---
Lamar	75,634	---	---	18,300	60,334	---
Lanier	87,323	---	2,467	12,191	53,702	18,963
Laurens	313,161	---	11,688	122,158	170,229	9,086
Lee	89,022	---	---	21,047	64,463	3,512
Liberty	---	---	10,037	102,364	133,025	10,201
Lincoln	103,263	---	---	47,129	56,134	---
Long	234,556	---	11,383	41,966	152,740	28,467
Lowndes	211,169	---	5,118	61,859	130,386	13,806
Lumpkin	163,275	7,157	8,602	49,390	98,126	---
Macon	115,487	---	---	44,191	47,791	23,505
Madison	100,685	---	3,853	41,188	55,644	---
Marion	186,332	---	---	37,998	102,222	46,112
McDuffie	113,555	---	7,176	44,437	61,942	---
McIntosh	190,233	---	5,552	41,660	129,422	13,599
Meriwether	229,739	---	21,996	103,413	92,297	12,033
Miller	60,038	---	5,117	13,465	38,762	2,694
Mitchell	101,738	3,743	7,484	11,803	63,738	14,970
Monroe	203,356	---	4,113	83,016	112,115	4,112
Montgomery	99,387	---	1,785	38,482	50,881	8,239
Morgan	129,917	---	---	38,330	91,587	---
Murray	148,803	---	---	27,437	95,022	26,344
Muscogee	96,228	---	22,786	17,858	47,804	7,780
Newton	108,559	---	---	46,780	61,779	---
Oconee	69,097	---	---	28,654	40,443	---

Continued

Table 5.--Area of commercial forest land, by county and site class,
Georgia, 1982--Continued

county	All classes	Site class				
		1	2	3	4	5
		Acres				
Oglethorpe	220,615		8,586	87,086	124,943	
Paulding	158,618			14,433	123,285	20,900
Peach	39,376			6,430	32,946	
Pickens	121,845		6,712	10,162	104,971	
Pierce	142,128		4,980	37,525	76,755	22,868
Pike	82,514		2,575	14,661	58,803	6,475
Polk	141,017		3,614	25,176	90,666	21,561
Pulaski	71,990		3,112	17,294	48,473	3,111
Putnam	178,396		6,466	96,178	70,713	5,039
Quitman	84,886		12,612	30,466	41,808	
Rabun	207,055	8,674	19,948	52,226	117,532	8,675
Randolph	165,996			54,121	108,150	3,725
Richmond	117,350		9,145	32,303	69,830	6,072
Rockdale	38,501		3,703	15,892	18,906	
Schley	70,320		3,411	41,484	25,425	
Screven	239,148	5,881	20,422	65,745	135,340	11,760
Seminole	50,967			9,126	27,148	14,693
Spalding	68,409			41,894	26,515	
Stephens	85,254			27,824	57,430	
Stewart	247,798		24,741	117,648	99,252	6,157
Sumter	117,675	2,970	17,921	35,446	58,367	2,971
Talbot	225,230			55,289	154,656	15,285
Taliaferro	106,959		10,182	36,320	57,626	2,831
Tattnall	185,510		14,004	64,957	84,036	22,513
Taylor	185,480			47,800	72,565	65,115
Telfair	197,059	6	15,656	76,920	88,618	15,859
Terrell	91,348		7,154	25,043	59,151	
Thomas	179,048		33,935	71,375	63,445	10,293
Tift	58,464		2,742	19,489	36,233	
Toombs	118,673		7,418	27,142	78,933	5,180
Towns	95,822	5,663	9,872	28,302	39,414	12,571
Treutlen	83,840			33,367	50,473	
Troup	192,707		13,242	73,173	106,292	
Turner	82,436		3,336	31,645	37,450	10,005
Twiggs	138,194		3,856	39,999	140,484	3,855
Union	168,870	4,453	16,514	57,434	90,469	
Upson	158,030		2,603	37,002	104,798	13,627
Walker	179,273			26,275	97,151	55,847
Walton	120,798		3,418	79,341	38,039	
Ware	340,739		2,450	56,168	235,973	46,148
Warren	125,299		3,027	57,408	64,864	
Washington	292,360		3,844	162,721	125,795	
Wayne	338,827		5,426	69,515	202,790	61,096
Webster	78,727		4,908	29,211	44,608	
Wheeler	132,995	2,480	4,959	31,318	94,238	
White	118,988	3,995	4,465	49,344	48,259	12,925
Whitfield	118,610			21,577	90,917	6,116
Wilcox	146,691		83	69,733	68,243	8,632
Wilkes	232,534		6,708	91,065	134,761	
Wilkinson	241,625		4,037	65,332	172,256	
Worth	156,223		4,328	46,076	90,046	15,773
Total	23,733,684	85,708	971,341	7,398,436	13,895,937	1,382,262

Table 6.--Area of commercial forest land, by county and stocking classes of growing-stock trees, Georgia, 1982

County	All classes	Stocking percentage ^a				
		> 130	100 - 130	60-99	16.7-59	< 16.7
Acres						
Appling	220,632	5,623	85,094	76,366	34,005	19,544
Atkinson	155,030	--	38,139	78,304	27,818	10,769
Bacon	118,587	2,242	46,499	38,225	26,219	5,402
Baker	112,966	7,160	20,153	48,453	26,444	10,756
Baldwin	117,799	755	39,558	64,153	13,333	--
Banks	103,526	--	33,167	53,242	17,117	--
Barrow	53,029	--	18,949	24,786	6,196	3,098
Bartow	178,500	11,167	53,990	91,764	16,373	5,206
Ben Hill	95,278	5,351	17,882	54,973	9,044	8,028
Berrien	181,290	19,764	78,560	57,922	16,441	8,603
Bibb	86,441	7,680	14,586	34,556	29,619	--
Bleckley	61,067	--	19,427	26,337	15,303	--
Brantley	255,092	2,886	74,618	116,264	49,671	11,653
Brooks	142,780	14,069	40,609	54,341	28,134	5,627
Bryan	236,685	8,835	77,344	93,016	54,861	2,629
Bulloch	227,709	8,217	55,654	113,506	47,646	2,686
Burke	281,701	12,962	87,593	117,441	52,232	11,473
Butts	81,625	a, 987	24,458	30,185	14,979	3,016
Calhoun	91,519	5,007	33,200	35,539	17,770	3
Camden	298,931	23,654	113,227	113,162	36,272	12,616
Candler	81,902	2,570	22,672	17,989	30,962	7,709
Carroll	189,601	3,405	45,431	123,691	13,669	3,405
Catoosa	49,648	--	--	36,841	12,807	--
Charl ton	318,444	14,455	123,081	121,402	38,889	20,617
Chatham	100,946	4,779	24,633	44,589	21,212	5,733
Chattahoochee	134,768	a, 171	18,703	60,871	41,575	5,448
Chattooga	148,967	--	37,434	73,061	30,341	8,131
Cherokee	207,548	11,206	72,513	112,625	11,204	--
Clarke	42,686	--	14,041	23,651	4,994	--
Clay	78,016	--	16,187	33,940	27,889	--
Clayton	46,309	6,499	12,072	27,738	--	--
Cl inch	464,955	28,260	139,982	183,186	98,560	14,967
Cobb	101,689	13,041	54,175	34,473	--	--
Coffee	229,038	2,905	68,002	58,202	74,179	25,750
Colquitt	135, 152	13,152	26,851	55,898	39,251	--
Columbia	137,049	4,368	49,660	57,230	21,422	4,369
Cook	69,612	--	25,162	33,165	8,548	2,737
Coweta	199,020	--	110,648	67,452	13,946	6,974
Crawford	160,022	3,933	43,174	75,743	37,172	--
Crisp	72,117	10,728	25,980	21,712	11,016	2,681
Dade	76,383	--	15,671	48,935	11,777	--
Dawson	116,385	--	23,540	69,163	23,682	--
Decatur	191,911	2,826	71,423	84,591	30,064	3,007
De Kalh	65,834	8,412	26,360	25,454	2,804	2,804
Dodge	193,151	2,736	40,986	98,844	41,037	9,548
Dooly	87,702	3,144	16,769	30,114	31,440	6,235
Dougherty	87,878	6,669	13,982	38,457	28,770	--
Douglas	93,979	4,120	26,692	46,485	16,682	--
Early	152,434	5,699	60,181	75,132	a, 573	2,849
Echols	257,349	5,481	90,272	108,393	47,249	5,954
Effingham	240,622	5,267	74,626	79,640	65,289	15,800
Elbert	155,962	--	48,731	85,390	21,841	--
Emanue l	284,136	10,751	52,765	121,430	75,043	24,147
Evans	70,827	4,795	12,083	27,895	26,054	--

Continued

Table 6.--Area of commercial forest land, by county and stocking classes of growing-stock trees, Georgia, 1982--Continued

County	All classes	Stocking percentage ^a					e
		>130	100-130	60-99	16.7-59	<16.7	
		Acres					
Fannin	195,772	4,602	45,814	105,435	39,921	--	
Fayette	73,865	11,254	15,754	36,444	10,413	--	
Floyd	208,131	--	58,139	117,532	28,175	4,285	
Forsyth	83,288	9,409	25,695	26,123	18,390	3,671	
Franklin	91,424	111	12,554	64,619	14,140	--	
Fulton	168,598	13,667	89,282	58,817	6,832	--	
Gilmer	248,891	--	45,376	147,811	55,704	--	
Glascocock	64,365	--	14,514	11,239	38,612	--	
Glynn	153,208	27,659	37,281	52,333	24,992	10,943	
Gordon	129,656	11,188	15,466	91,786	9,120	2,096	
Grady	153,624	--	37,817	74,913	40,894	--	
Greene	197,142	12,214	77,102	89,459	18,367	--	
Gwinnett	154,589	14,588	38,143	81,053	20,805	--	
Habersham	129,059	5,060	52,799	55,897	15,303	--	
Hall	151,111	8,792	45,258	60,311	23,562	13,188	
Hancock	269,657	6,951	109,062	118,542	31,557	3,545	
Haralson	137,513	3,283	46,377	56,245	28,096	3,512	
Harris	242,627	3,789	74,542	126,414	37,882	--	
Hart	63,010	--	9,594	39,025	14,391	--	
Heard	150,603	--	62,032	77,941	10,630	--	
Henry	121,180	9,542	35,641	63,378	12,619	--	
Houston	119,871	9,539	44,333	45,949	16,871	3,179	
Irwin	107,357	16,289	25,085	44,137	16,290	5,556	
Jackson	119,467	3,610	50,742	38,745	26,370	--	
Jasper	188,203	14,445	45,338	105,154	20,150	3,116	
Jeff Davis	147,124	5,803	42,945	38,451	59,925	--	
Jefferson	187,730	7,175	40,044	104,631	32,292	3,588	
Jenkins	129,568	7,812	28,741	64,688	28,327	--	
Johnson	109,097	8,187	30,007	57,270	13,633	--	
Jones	215,324	6,317	52,260	124,890	24,874	6,983	
Lamar	78,634	--	33,194	17,872	27,568	--	
Lanier	87,323	4,885	22,205	43,252	12,143	4,838	
Laurens	313,161	15,581	85,936	152,411	47,118	12,115	
Lee	89,022	--	11,740	56,170	21,112	--	
Liberty	255,627	11,932	89,305	95,184	43,333	15,873	
Lincoln	103,263	3,454	42,699	38,489	18,621	--	
Long	234,556	16,388	100,821	77,225	26,238	13,884	
Lowndes	211,169	9,192	62,870	89,865	43,618	5,624	
Lumpkin	163,275	15,783	46,204	79,094	22,194	--	
Macon	115,487	--	18,215	46,894	39,649	10,729	
Madison	100,685	3,293	30,576	49,454	17,362	--	
Marion	186,332	4,650	28,699	79,893	48,875	24,215	
McDuffie	113,555	5,455	39,962	39,432	28,706	--	
McIntosh	190,233	7,480	90,523	55,733	28,733	7,764	
Meriwether	229,739	16,951	93,850	81,515	28,495	8,928	
Miller	60,038	--	15,891	22,839	18,614	2,694	
Mitchell	101,738	8,061	26,317	29,936	37,424	--	
Monroe	203,356	--	72,466	103,320	27,570	--	
Montgomery	99,387	--	17,943	56,726	15,037	9,681	
Morgan	129,917	--	41,847	76,622	11,448	--	
Murray	148,803	6,144	51,578	61,724	29,357	--	
Muscogee	96,228	7,224	17,329	52,067	15,997	3,611	
Newton	108,559	3,667	32,198	54,359	18,335	--	
Oconee	69,097	160	20,268	36,472	12,197	--	

Continued

Table 6.--Area of commercial forest land, by county and stocking classes of growing-stock trees, Georgia, 1982--Continued

county	All classes	Stocking percentage ^a				
		>130	100-130	60-99	16.7-59	<16.7
		Acres				
Oglethorpe	220,615	7,518	89,799	92,155	26,849	4,294
Paulding	158,618	7,216	54,547	72,346	19,947	4,562
Peach	39,376	--	4,247	22,643	12,160	326
Pickens	121,845	6,797	25,407	35,567	54,074	--
Pierce	142,128	4,980	35,048	57,903	31,748	12,449
Pike	82,514	--	25,093	39,774	17,647	--
Polk	141,017	--	36,826	86,122	18,069	--
Pulaski	71,990	3,112	9,336	47,077	12,447	18
Putnam	178,396	3,443	64,729	94,854	15,370	--
Quitman	84,886	--	41,476	28,345	11,086	3,979
Rabun	207,055	4,982	69,002	114,432	18,639	--
Randolph	165,996	3,725	46,753	80,495	35,023	--
Richmond	117,350	--	6,887	58,704	42,319	9,440
Rockdale	38,501	3,703	11,501	23,297	--	--
Schley	70,320	7,374	21,448	27,854	13,644	--
Screven	239,148	23,205	66,199	106,274	43,470	--
Seminole	50,967	--	9,126	14,693	16,128	11,020
Spalding	68,409	6,038	31,483	30,888	--	--
Stephens	85,254	--	39,586	30,789	10,775	4,104
Stewart	247,798	--	111,109	76,761	46,795	13,133
Sumter	117,675	2,970	41,516	47,575	25,614	--
Talbot	225,230	6,691	107,456	84,319	26,764	--
Taliaferro	106,959	--	57,628	24,995	21,505	2,831
Tattnall	185,510	26,512	39,549	64,261	41,462	13,726
Taylor	185,480	6,928	43,742	68,828	40,017	25,965
Telfair	197,059	13,953	67,187	69,967	38,530	7,422
Terrell	91,348	3,577	33,714	35,775	18,282	--
Thomas	179,048	--	32,593	88,672	57,783	--
Tift	58,464	8,228	27,423	11,843	10,970	--
Toombs	118,673	8,547	22,883	44,852	26,076	16,315
Towns	95,822	4,190	19,943	53,454	18,235	--
Treutlen	83,840	--	23,021	39,337	21,482	--
Troup	192,707	--	97,822	88,864	6,021	--
Turner	82,436	10,006	29,068	26,687	16,675	--
Twiggs	188,194	7,366	57,210	90,188	33,430	--
Union	168,870	7,606	37,488	99,657	24,119	--
Upson	158,030	2,603	32,397	78,882	44,148	--
Walker	179,273	--	45,403	111,959	21,911	--
Walton	120,798	6,836	31,491	58,549	20,504	3,418
Ware	340,739	4,511	128,168	132,412	58,266	17,382
Warren	125,299	12,957	32,802	58,919	14,566	6,055
Washington	292,360	10,001	64,959	183,569	29,987	3,844
Wayne	338,827	22,126	101,500	133,700	64,658	16,843
Webster	78,727	1,455	29,209	29,740	10,889	7,434
Wheeler	132,995	11,478	33,701	62,380	22,957	2,479
White	118,988	--	45,354	62,270	8,528	2,836
Whitfield	118,610	6,462	52,071	42,808	11,154	6,115
Wilcox	146,691	11,889	47,233	58,703	25,893	2,973
Wilkes	232,534	31,697	69,529	102,701	28,607	--
Wilkinson	241,625	7,462	89,321	99,327	41,479	4,036
Worth	156,223	4,020	52,431	71,742	21,072	6,958
Total	23,733,684	1,015,481	7,270,976	10,569,605	4,184,073	693,549

^a See stocking standards on page 10.

Table 7.—Volume of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1982

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet ^a				
Appling	729,248	457,750	90,505	124,791	56,202	259,966	165,060	18,947	57,740	18,219
Atkinson	359,456	266,039	23,047	73,798	6,522	135,961	88,172	9,092	35,469	3,228
Bacon	264,425	190,974	25,756	36,009	11,686	117,976	79,559	9,233	24,260	4,924
Baker	496,136	258,707	32,106	26,253	179,070	139,299	66,912	11,174	8,952	52,261
Baldwin	406,125	279,417	—	79,283	47,425	138,651	88,867	303	33,034	16,447
Banks	343,132	153,745	—	74,121	115,266	131,043	56,488	327	28,138	46,090
Barrow	234,683	117,826	—	40,060	76,797	76,540	37,280	—	15,441	23,819
Bartow	550,633	367,966	—	52,893	129,774	203,288	132,629	—	14,505	56,154
Ben Hill	324,681	268,181	7,059	34,505	14,936	98,299	80,905	2,658	9,788	4,948
Berrien	738,179	559,508	65,672	90,006	22,993	260,177	161,017	28,530	61,758	8,872
Bibb	445,061	267,777	—	106,707	70,577	124,081	62,148	—	39,003	22,930
Bleckley	266,766	26,630	—	112,988	127,148	79,465	7,484	—	39,682	32,299
Brantley	449,213	242,515	42,892	125,800	38,006	198,500	110,425	17,486	56,720	13,869
Brooks	621,010	322,755	56,872	162,526	78,857	188,000	78,188	21,656	57,611	30,545
Bryan	1,081,815	731,848	11,797	207,971	130,199	339,840	215,561	5,206	80,522	38,551
Bulloch	1,065,717	569,770	13,025	353,668	129,254	328,479	156,306	4,476	127,906	39,791
Burke	1,078,444	391,963	38,023	399,404	249,054	353,620	113,944	8,476	138,333	92,867
Butts	309,028	190,818	1,322	62,165	54,723	107,787	60,496	798	20,507	25,986
Calhoun	375,790	85,916	56,586	85,248	148,040	128,313	24,984	16,365	38,235	48,729
Camden	994,006	421,218	102,751	236,622	233,415	369,004	174,599	24,284	105,140	64,981
Candler	317,805	159,161	11,542	119,823	27,279	104,072	40,115	2,351	49,494	12,112
Carroll	485,143	180,347	—	120,283	184,513	201,910	76,583	—	45,102	80,225
Catoosa	184,641	52,053	—	26,690	105,898	61,013	11,371	—	12,683	36,959
Charl ton	662,997	514,235	59,925	73,586	15,251	291,164	230,415	21,768	33,598	5,383
Chatham	562,254	296,123	17,994	130,865	117,272	171,081	75,093	6,481	55,654	33,853
Chatahoochee	692,752	506,968	—	131,930	53,854	184,194	105,320	—	56,355	22,519
Chattooga	321,568	144,426	—	46,971	130,171	137,429	59,569	—	20,632	57,228
Cherokee	960,579	580,240	—	123,821	256,518	306,532	152,197	—	59,049	95,286
Clarke	188,346	79,688	—	71,699	36,959	55,590	23,779	—	19,952	11,859
Clay	183,079	84,336	—	37,293	61,450	66,199	30,684	—	14,298	21,217
Clayton	209,034	144,796	—	23,603	40,635	65,837	37,556	—	9,681	18,600
Clinch	768,074	419,332	158,126	158,590	32,026	397,303	228,038	74,128	87,756	7,381
Cobb	734,727	581,659	—	76,463	76,605	205,090	156,015	—	24,630	24,445
Coffee	546,278	381,688	77,998	104,042	32,550	219,465	148,381	9,883	48,672	12,529
Colquitt	509,261	411,379	—	50,296	47,586	165,161	124,275	6,169	22,172	12,565
Columbia	881,803	645,386	—	136,550	99,867	238,108	153,253	200	47,970	36,685
Cook	306,838	195,653	14,936	39,761	56,488	100,983	51,368	4,468	25,547	19,600
Coxeta	646,057	264,945	—	202,268	178,844	221,311	84,103	—	67,243	69,968
Crawford	247,988	140,415	—	87,657	19,916	103,696	56,704	—	36,314	10,678
Crisp	385,463	261,319	16,606	51,991	55,547	123,820	77,181	4,337	21,490	20,812
Dade	217,067	17,413	4,361	37,546	152,747	91,262	9,209	1,406	21,125	59,522
Dawson	341,248	104,546	2,583	42,009	192,110	151,077	62,214	1,151	19,596	68,116
Decatur	818,392	600,785	28,859	86,435	102,313	238,796	152,944	5,988	41,960	37,904
De Kalb	469,990	278,344	—	44,416	147,230	129,040	72,012	—	13,809	43,219
Dodge	762,135	498,974	15,915	158,765	88,481	246,807	156,872	3,309	58,556	28,070
Dooly	399,090	180,133	62,032	99,096	57,829	115,692	46,826	13,615	35,193	20,058
Dougherty	558,651	702,259	112,136	41,413	102,843	158,682	82,482	28,724	15,255	32,221
Douglas	389,872	136,897	—	88,438	164,537	136,270	45,271	—	30,818	60,181
Early	540,698	147,656	20,487	166,299	206,256	193,327	58,002	9,260	62,088	63,977
Echols	378,771	193,646	73,607	100,155	11,363	207,780	108,965	31,913	58,076	8,826
Effingham	1,018,114	631,500	20,898	170,994	194,722	324,471	177,583	7,071	73,061	66,756
Elbert	396,422	192,513	—	89,253	114,656	144,201	64,513	2,022	25,423	52,243
Emanuel	955,035	613,055	9,658	238,223	94,099	310,318	181,483	1,942	99,317	27,576
Evans	297,439	142,522	15,262	103,868	35,787	104,106	37,382	5,170	51,126	10,428

Continued

Table 7.—Volume of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1982—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet ^a				
Fannin	779,823	115,798	129,685	61,774	472,566	268,509	48,565	27,637	31,001	161,256
Fayette	372,912	124,363	—	134,396	114,153	115,048	33,299	—	49,443	32,306
Floyd	753,751	575,769	—	28,560	149,422	252,461	155,032	—	13,860	83,569
Forsyth	323,848	191,053	—	43,141	89,654	119,963	67,572	—	17,163	35,228
Franklin	300,639	93,147	1,569	51,552	154,371	113,243	36,663	1,310	20,089	55,181
Fulton	1,273,516	664,756	—	249,634	359,126	368,364	186,186	—	77,697	104,481
Gilmer	1,003,900	148,503	156,265	245,712	453,420	336,521	54,250	31,847	84,874	165,550
Glascok	181,096	96,635	—	25,927	58,534	61,650	29,789	—	12,908	18,953
Glynn	603,801	219,829	73,291	122,710	187,971	191,512	74,578	19,722	42,941	54,271
Gordon	259,829	145,782	—	5,722	108,325	124,059	73,187	—	6,486	44,386
Grady	871,815	567,034	—	122,405	182,376	216,681	121,476	—	43,138	52,067
Greene	635,535	501,533	—	80,109	53,893	236,592	162,150	341	42,965	31,046
Gwinnett	807,137	470,341	—	174,703	162,093	239,284	135,079	—	54,905	49,300
Habersham	580,345	306,209	19,427	40,967	213,742	205,775	93,360	4,864	21,915	85,636
Hall	452,927	176,073	—	75,088	201,766	179,614	82,200	—	31,274	66,140
Hancock	1,024,431	782,050	—	148,241	94,140	322,923	223,819	—	57,092	42,012
Haralson	534,202	293,294	—	101,260	139,648	176,287	82,120	—	39,680	54,487
Harris	702,471	437,608	1,348	136,474	127,041	243,941	129,593	332	63,052	50,964
Hart	147,462	13,880	—	16,454	117,128	71,088	10,570	—	12,913	47,605
Heard	331,444	208,334	—	88,194	34,916	117,689	72,229	—	27,605	17,855
Henry	484,273	325,556	—	59,648	99,069	169,281	103,030	—	27,999	38,252
Houston	570,899	172,854	4,261	189,065	204,719	162,839	43,568	748	66,974	51,549
Irwin	569,084	403,306	51,337	98,944	15,497	175,358	113,432	14,925	42,016	4,985
Jackson	530,373	333,013	7,126	90,648	103,586	170,011	99,140	533	34,053	36,285
Jasper	907,978	644,242	3,125	128,958	131,653	270,194	157,848	1,415	54,492	56,439
Jeff Davis	552,145	459,051	16,636	38,746	37,712	166,189	132,598	4,924	16,230	12,437
Jefferson	776,699	281,642	47,503	288,348	159,206	252,390	76,501	12,896	102,707	60,286
Jenkins	579,067	207,412	32,297	173,074	166,284	193,950	70,102	7,800	62,590	53,458
Johnson	379,634	190,251	—	124,622	64,761	128,174	64,841	—	47,310	16,023
Jones	1,163,828	935,566	—	133,934	94,328	340,536	243,053	—	58,722	38,761
Lamar	300,854	133,923	—	89,436	77,495	93,262	37,375	—	27,977	27,910
Lanier	191,032	125,380	45,331	17,243	3,078	72,466	38,705	14,041	18,267	1,453
Laurens	1,456,510	806,829	31,971	307,769	309,941	465,130	228,763	8,028	136,018	92,321
Lee	459,936	180,755	15,261	83,416	180,504	129,466	47,762	2,732	24,474	54,498
Liberty	1,288,104	775,100	33,026	233,850	246,128	362,645	219,809	8,744	77,327	56,765
Lincoln	435,686	397,035	—	7,681	30,970	124,172	96,733	—	6,046	21,393
Long	966,578	403,208	105,456	209,487	248,427	298,714	133,094	28,425	80,345	56,850
Lowndes	649,151	252,952	72,513	186,324	137,362	219,929	79,995	20,271	77,342	42,321
Lumpkin	792,979	195,037	122,495	112,618	362,829	274,006	90,271	27,148	35,945	120,642
Macon	439,923	129,412	—	147,932	162,579	132,723	33,147	—	50,156	49,420
Madison	285,549	178,253	—	43,877	63,419	106,927	59,529	287	27,685	19,426
Marion	394,425	154,572	—	135,130	104,723	137,622	44,973	—	48,900	43,749
McDuffie	631,043	447,746	—	110,137	73,160	177,429	117,916	—	33,864	25,649
McIntosh	709,685	308,897	71,327	127,978	201,483	244,559	114,905	19,265	58,127	52,262
Meriwether	553,707	292,434	—	110,423	150,850	211,785	106,522	334	54,495	50,434
Miller	251,618	110,812	9,794	43,796	87,216	69,127	27,147	4,510	16,889	20,581
Mitchell	357,344	263,858	17,054	41,150	35,282	119,103	79,652	3,709	19,121	16,621
Monroe	663,034	333,147	—	113,815	216,072	241,025	106,588	—	61,043	73,394
Montgomery	388,453	222,655	2,093	86,551	77,154	118,279	69,837	373	25,247	22,822
Morgan	463,759	325,507	—	90,358	47,894	170,938	99,519	—	47,528	23,891
Murray	522,197	234,936	51,917	33,303	202,041	195,158	86,422	10,606	18,323	79,807
Muscookee	535,805	356,465	—	120,038	59,332	137,458	78,917	—	39,647	18,894
Newton	494,182	325,535	—	56,969	111,678	150,070	89,289	—	21,642	39,139
Oconee	326,671	196,340	—	70,164	60,167	118,165	55,430	—	29,047	33,688

Continued

Table 7.—Volume of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1982—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet ^a				
Oglethorpe	895,062	449,938	10,198	261,126	173,800	300,614	143,174	2,469	96,277	58,694
Paulding	390,534	173,456	—	87,101	129,977	165,006	77,970	—	34,153	52,883
Peach	90,772	54,467	—	27,634	8,671	36,198	18,863	—	10,210	7,125
Pickens	437,670	187,369	29,867	79,134	141,300	150,212	68,828	5,391	24,940	51,053
Pierce	507,507	328,622	59,649	111,250	7,986	182,393	106,486	18,398	51,482	6,027
Pike	338,761	159,117	—	90,243	89,401	111,289	39,349	—	32,234	39,706
Polk	328,340	184,286	—	22,184	121,870	127,066	69,092	760	7,420	49,794
Pulaski	289,308	72,170	31,882	97,434	87,822	89,245	26,420	5,847	27,923	29,055
Putnam	670,524	553,246	1,997	32,987	82,294	206,180	132,704	873	31,674	40,929
Quitman	363,880	247,261	—	64,165	52,454	110,887	62,816	—	26,835	21,236
Rabun	1,215,900	268,495	350,723	143,725	452,957	371,399	78,345	73,406	57,901	161,747
Randolph	747,886	302,403	—	214,298	231,185	228,634	79,380	—	81,185	68,069
Richmond	377,391	208,631	13,996	113,254	41,510	116,615	51,229	2,852	43,898	18,636
Rockdale	211,688	167,183	—	29,120	15,385	61,883	44,561	223	8,899	8,200
Schley	246,387	133,765	2,101	65,950	44,571	92,428	38,568	444	34,197	19,219
Screven	1,549,960	545,242	145,337	596,698	262,683	424,226	132,124	31,910	178,672	81,520
Seminole	151,475	104,418	11,393	17,400	18,264	41,391	22,450	2,677	8,786	7,478
Spalding	446,727	341,094	—	90,159	15,474	128,530	85,451	—	34,864	8,215
Stephens	355,858	149,027	—	30,859	175,972	125,473	58,385	—	13,072	54,016
Stewart	539,745	318,434	—	74,410	146,901	195,670	104,969	—	34,546	56,155
Sumter	522,504	290,233	11,016	109,024	112,231	165,948	83,092	1,861	45,769	35,226
Talbot	546,657	292,888	7,056	137,454	109,259	211,598	104,233	1,275	54,989	51,101
Taliaferro	416,557	321,619	—	37,164	57,774	147,769	103,914	—	17,699	26,156
Tattnall	687,148	418,866	18,927	146,349	103,006	218,833	127,474	7,029	59,219	25,111
Taylor	402,032	188,830	—	107,384	105,818	149,430	69,940	982	40,785	37,723
Telfair	969,011	574,345	37,048	155,106	202,512	298,282	180,065	8,005	59,647	50,565
Terrell	366,235	84,651	12,344	216,874	52,366	132,312	21,781	3,419	84,599	22,513
Thomas	1,088,405	822,128	—	77,119	189,158	247,091	166,981	—	30,931	49,179
Tift	339,358	239,003	20,475	56,822	23,058	106,653	61,679	6,446	31,870	6,658
Toombs	303,468	166,578	3,399	98,458	35,033	128,573	69,957	756	47,644	10,216
Towns	440,534	131,268	8,272	54,933	246,061	144,083	49,863	1,374	21,258	71,588
Treutlen	258,089	204,794	—	34,759	18,536	89,819	64,288	—	19,175	6,356
Troup	641,978	397,716	—	148,169	96,093	222,898	123,627	291	52,638	46,342
Turner	453,319	305,482	90,101	51,099	6,637	124,495	77,418	23,451	19,547	4,079
Twiggs	780,299	298,374	—	276,604	205,321	253,540	96,009	—	85,141	72,390
Union	828,291	103,754	122,431	87,293	514,813	263,293	42,106	24,496	34,405	162,286
Upson	526,376	137,415	—	172,495	166,466	175,054	64,512	—	57,026	53,516
Walker	458,134	119,978	—	56,833	281,323	185,189	53,600	503	23,160	107,926
Walton	642,906	417,100	—	117,479	108,327	184,845	101,053	—	47,574	36,218
Ware	621,749	490,155	59,484	60,371	11,739	249,584	184,363	24,363	37,006	3,852
Warren	462,895	343,392	—	52,270	67,233	163,246	101,408	—	31,751	35,087
Washington	814,744	463,351	2,067	192,879	156,447	312,729	154,541	497	86,254	71,437
Wayne	765,741	423,802	122,816	161,754	57,359	304,532	184,651	36,884	69,239	13,338
Webster	250,141	98,121	—	84,949	67,071	69,456	20,276	—	23,912	25,268
Wheeler	524,197	284,379	1,920	185,372	52,526	166,946	94,535	1,246	54,494	16,671
White	512,502	159,667	28,709	110,194	213,932	187,191	69,803	5,709	36,056	75,623
Whitfield	523,599	295,379	—	74,283	153,937	180,181	95,109	—	24,715	60,357
Wilcox	541,085	205,759	64,735	149,997	120,594	194,480	89,884	14,650	55,981	33,965
Wilkes	1,358,355	942,504	2,216	202,909	210,726	406,779	247,691	788	86,629	71,671
Wilkinson	972,072	365,119	96,556	298,300	212,097	322,263	114,011	19,130	116,843	72,279
Worth	579,076	432,214	24,663	82,211	39,988	184,945	134,648	5,196	27,989	17,112
Total	89,242,080	48,508,925	3,749,824	17,670,403	19,312,928	29,572,196	14,850,588	1,031,785	6,979,098	6,710,725

^a Factors for converting to cords are shown on page 10.

Table 8.—Net annual growth of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Appling	60,883	51,059	1,252	5,884	1,688	18,977	16,095	407	1,751	724
Atkinson	29,423	26,334	742	2,184	163	9,094	7,777	174	911	232
Bacon	31,189	26,582	1,118	1,950	1,539	8,804	7,416	349	810	229
Baker	35,362	23,994	916	1,033	9,419	8,178	4,865	304	303	2,706
Baldwin	34,610	27,873	—	4,650	2,087	8,796	6,925	16	1,192	663
Banks	30,564	14,670	—	7,846	8,048	6,964	3,234	19	1,655	2,056
Barrow	18,755	9,458	—	3,601	5,696	4,072	2,341	—	818	913
Bartow	37,125	28,841	—	2,012	6,272	10,355	7,782	—	874	1,699
Ben Hill	27,502	23,582	245	2,742	933	9,235	8,364	90	357	424
Berrien	68,373	58,393	4,011	4,606	1,363	17,699	13,579	1,005	2,466	649
Bibb	27,434	16,363	—	8,353	2,718	6,585	4,255	—	1,336	994
Bleckley	16,132	3,199	—	7,790	5,143	3,235	523	—	1,763	1,349
Brantley	44,623	37,710	1,220	4,193	1,500	14,366	11,784	550	1,487	545
Brooks	41,576	25,922	2,100	6,131	7,423	9,899	5,439	725	1,785	1,950
Bryan	82,541	69,656	330	5,805	6,750	22,258	18,449	108	1,963	1,738
Bulloch	70,185	50,755	384	14,335	4,711	17,520	11,517	98	3,981	1,924
Burke	84,397	45,139	2,701	71,244	15,313	19,082	8,397	366	5,501	4,818
Butts	29,589	23,216	58	2,939	3,376	7,775	4,972	57	878	1,868
Calhoun	24,962	7,211	2,500	4,245	11,036	5,968	1,782	803	1,361	2,022
Camden	72,888	54,880	3,147	7,589	7,272	25,006	17,713	646	3,805	2,842
Candler	23,624	17,791	257	4,120	1,456	4,641	2,703	41	1,292	605
Carroll	47,544	24,288	—	6,694	16,562	12,592	6,719	—	2,121	3,752
Catoosa	7,028	2,346	—	1,005	3,677	1,929	332	—	556	991
Charlton	62,144	56,545	1,823	3,057	719	28,562	26,176	598	1,068	720
Chatham	39,704	25,052	947	7,082	6,623	9,828	6,342	185	1,931	1,370
Chattahoochee	36,016	26,036	—	6,740	3,270	7,983	4,968	—	1,895	1,120
Chattooga	20,422	12,824	—	2,724	4,874	6,992	4,058	—	1,046	1,888
Cherokee	54,951	31,479	—	14,623	8,849	13,725	7,677	—	3,065	2,983
Clarke	9,998	4,721	—	3,304	1,973	2,993	1,499	—	926	568
Clay	20,283	13,370	—	2,337	4,576	4,051	2,361	—	459	1,231
Clayton	16,843	11,225	—	1,537	4,081	4,093	2,226	—	775	1,092
Clinch	75,388	62,513	6,190	5,474	1,211	32,416	27,713	2,008	2,415	280
Cobb	62,534	54,909	—	4,820	2,805	12,446	9,946	—	1,596	904
Coffee	66,862	59,943	814	4,751	1,354	17,409	14,372	210	2,152	675
Colquitt	42,464	38,770	121	1,785	2,188	13,578	11,538	573	743	724
Columbia	62,372	48,505	52	7,489	6,326	13,412	9,584	6	2,070	1,752
Cook	29,962	22,388	348	3,659	3,567	6,956	4,289	93	1,090	1,484
Coweta	51,229	24,731	—	12,352	14,146	12,773	6,018	—	3,254	3,501
Crawford	24,402	15,238	—	5,900	3,264	8,703	6,521	—	1,679	503
Crisp	46,637	37,027	562	4,320	4,728	8,680	6,743	110	962	865
Dade	10,049	1,661	454	1,282	6,652	3,513	542	78	1,289	1,604
Dawson	22,361	10,501	311	2,715	8,834	9,073	4,819	124	1,965	2,165
Decatur	61,785	49,084	1,307	5,744	5,650	14,881	10,679	233	1,941	2,028
De Kalb	27,811	18,514	—	3,249	6,048	6,376	4,134	—	644	1,598
Dodge	74,012	63,028	627	5,114	5,247	16,465	12,784	102	2,115	1,464
Dooly	24,158	14,108	1,431	5,499	3,120	7,575	4,215	283	1,406	1,671
Dougherty	47,544	32,494	4,815	1,809	8,426	8,396	5,457	836	525	1,578
Douglas	29,935	14,928	—	4,542	10,465	7,475	3,125	—	1,609	2,691
Early	40,077	22,284	1,316	6,994	9,483	13,085	6,720	354	2,475	3,536
Echols	33,541	22,372	3,085	4,240	3,844	18,181	14,837	821	2,041	482
Effingham	90,811	69,941	783	7,078	13,009	20,137	14,922	124	2,062	3,029
Elbert	30,367	15,840	909	5,479	8,139	9,216	4,987	199	1,288	2,742
Emanuel	81,671	64,786	220	12,532	4,133	20,058	14,882	35	3,719	1,422
Evans	21,324	14,568	545	4,940	1,271	4,766	3,010	83	1,286	387

Continued

Table 8.—Net annual growth of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Fannin	39,222	7,934	7,700	5,181	18,407	10,408	2,947	1,232	1,456	
Fayette	19,921	8,031	—	7,116	4, n4	6,515	2,957	—	2,114	
Floyd	35,872	27,784	—	1,199	6,889	11,082	7,055	—	981	
Forsyth	25,556	17,593	—	3,555	4,408	7,322	4,376	—	1,204	
Franklin	24,914	12,021	90	2,497	10,336	5,550	2,063	78	995	
Fulton	94,855	63,617	—	16,315	14,923	20,124	11,776	—	4,479	
Gilmer	47,924	8,054	7,910	13,134	18,826	12,809	3,057	1,387	3,615	
GlascocK	17,365	12,373	—	2,618	2,374	3,735	2,448	—	4%	
Glynn	44,996	28,090	3,569	5,257	8,080	10,936	7,612	731	828	
Gordon	18,155	13,405	—	435	4,315	7,683	5,920	—	302	
Grady	63,415	43,233	—	8,157	12,025	12,790	8,076	—	1,903	
Greene	77,137	62,422	108	8,742	5,865	16,002	11,788	11	2,464	
Gwinnett	61,889	40,914	—	11,579	9,396	13,403	8,338	—	2,983	
Habersham	29,827	16,409	2,072	1,861	9,485	8,053	3,447	189	1,908	
Hall	40,015	23,423	—	5,990	10,602	10,653	6,234	152	1,560	
Hancock	91,161	75,317	—	8,889	6,955	20,445	15,490	—	2,694	
Haralson	35,981	22,955	—	6,303	6,723	10,320	5,224	—	2,392	
Harris	60,952	45,109	64	9,267	6,512	16,211	9,866	11	3,559	
Hart	11,229	1,957	—	1,583	7,689	3,853	1,040	72	586	
Heard	31,514	23,206	—	5,714	2,594	7,529	5,359	—	1,347	
Henry	44,868	35,420	—	3,655	5,793	10,807	7,338	—	1,473	
Houston	29,446	11,992	199	9,124	8,131	7,526	2,438	30	2,303	
Irwin	45,248	39,201	1,957	3,417	673	11,553	9,545	362	1,371	
Jackson	42,636	28,639	78	5,206	8,713	8,956	5,294	13	1,851	
Jasper	68,456	50,217	139	10,002	8,098	16,730	10,452	76	3,106	
Jeff Davis	47,577	44,495	439	905	1,738	11,600	9,979	129	778	
Jefferson	55,251	31,451	2,433	13,471	7,896	12,877	5,574	738	3,672	
Jenkins	45,750	29,200	810	6,427	9,313	11,265	6,343	149	2,359	
Johnson	33,233	23,637	—	6,038	3,558	9,292	7,061	—	1,426	
Jones	99,317	78,971	—	13,622	6,724	19,840	15,554	—	2,578	
Lamar	20,281	13,223	—	3,986	3,072	4,672	2,552	—	1,029	
Lanier	16,515	12,833	1,737	1,821	124	5,285	4,006	340	852	
Laurens	110,083	78,846	764	14,303	16,170	27,591	17,824	140	5,430	
Lee	33,065	18,428	675	3,554	10,408	6,794	3,478	101	890	
Liberty	89,173	72,803	1,437	6,642	8,291	21,182	16,849	211	2,221	
Lincoln	36,161	31,877	—	638	3,646	7,122	5,623	—	340	
Long	66,450	49,395	3,235	5,967	7,853	17,361	12,475	843	2,350	
Lowndes	48,644	28,978	2,415	7,164	10,087	13,618	8,021	491	3,139	
Lumpkin	44,419	21,389	7,575	4,100	11,355	10,660	4,963	1,301	1,378	
Macon	24,305	8,988	—	5,949	9,368	5,893	2,179	—	1,483	
Madison	25,33X	16,964	—	3,779	4,563	6,192	3,717	21	1,601	
Marion	28,811	15,675	—	7,273	5,863	7,552	3,541	—	2,093	
McDuffie	46,697	36,629	—	7,087	2,981	11,277	8,606	—	1,483	
McIntosh	55,638	40,936	2,330	5,006	7,366	16,092	11,664	653	1,881	
Meriwether	50,499	36,197	—	7,661	6,641	13,319	8,396	22	2,486	
Miller	15,659	9,974	361	1,718	3,606	3,799	2,281	253	550	
Mitchell	29,484	23,340	391	1,849	3,904	10,023	8,233	71	667	
Monroe	61,408	39,502	—	8,332	13,574	15,573	9,085	—	3,167	
Montgomery	34,078	28,595	46	2,563	2,874	7,306	5,834	7	781	
Morgan	45,006	33,409	—	6,296	5,301	10,400	7,071	—	2,111	
Murray	27,530	15,597	2,244	1,044	8,645	9,185	5,281	619	1,010	
Muscogee	32,784	24,613	—	6,389	1,782	7,020	4,541	—	1,787	
Newton	40,251	29,483	—	4,146	6,622	8,235	5,498	38	921	
Oconee	27,811	12,912	—	3,863	11,036	6,437	2,784	—	1,594	

Con

Table 8.—Net annual growth of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Oglethorpe	79,701	48,784	401	17,577	12,939	16,978	9,983	100	4,187	2
Paulding	39,414	26,242	—	5,383	7,789	12,529	7,649	—	2,340	2
Peach	8,113	6,172	—	1,575	366	2,811	1,714	—	445	
Pickens	30,106	18,585	1,245	3,702	6,574	6,864	4,070	211	1,209	1
Pierce	41,956	35,157	1,574	4,163	1,062	10,694	8,545	365	1,430	
Pike	23,747	13,553	—	3,755	6,339	6,090	2,924	—	1,258	1
Polk	23,378	14,833	—	1,168	7,377	8,605	5,657	1%	430	2
Pulaski	17,885	6,647	1,584	3,971	5,683	5,150	2,475	243	1,158	1
Putnam	51,725	41,034	89	4,562	6,040	12,318	8,117	49	1,625	2
Quitman	32,244	23,177	—	4,612	4,455	5,747	3,454	—	1,163	1
Rabun	56,207	14,026	18,162	7,397	16,622	13,607	2,523	3,463	3,139	4
Randolph	46,890	24,100	—	9,539	13,251	10,544	5,523	—	2,208	2
Richmond	26,983	16,002	667	4,671	5,643	5,834	3,278	107	1,548	
Rockdale	20,085	16,319	—	1,212	2,554	3,911	3,046	16	444	
Schley	18,164	11,662	82	3,757	2,663	4,588	2,770	13	922	
Screven	84,733	43,853	3,919	26,034	10,927	18,490	9,112	735	5,203	2
Seminole	11,299	6,526	370	2,059	2,344	2,124	1,255	71	511	
Spalding	37,634	30,529	—	5,023	2,082	8,062	5,657	—	1,884	
Stephens	19,627	10,185	—	4,932	4,510	4,722	2,691	—	608	1
Stewart	42,385	26,686	—	6,724	8,975	13,156	8,286	—	1,906	2
Sumter	49,237	37,638	409	5,315	5,875	10,079	6,580	63	1,615	1
Talbot	42,966	30,439	233	7,214	5,080	15,573	9,689	138	2,617	3
Taliaferro	36,423	30,455	—	1,943	4,025	9,964	7,356	—	1,145	1
Tattnall	52,017	40,880	531	7,091	3,515	12,004	9,766	153	1,785	
Taylor	40,790	30,019	201	5,899	4,671	10,439	6,964	58	1,441	1
Telfair	73,323	59,472	1,359	5,808	6,684	18,615	14,787	242	1,825	1
Terrell	25,616	7,994	677	14,131	2,814	6,071	1,595	140	3,038	1
Thomas	60,041	48,548	—	3,091	8,402	13,152	9,216	—	1,500	2
Tift	27,184	22,568	624	2,806	1,186	6,793	4,816	148	1,434	
Toombs	77,979	22,442	101	4,208	1,228	9,407	7,399	63	1,582	
Towns	28,167	10,979	302	9,591	7,295	5,302	2,235	142	1,102	1
Treutlen	24,863	22,395	—	1,461	1,007	6,246	5,465	—	527	
Troup	51,890	35,576	—	8,543	7,471	14,551	9,078	19	2,757	2
Turner	29,789	22,915	2,617	3,378	479	8,018	6,157	487	892	
Twiggs	50,142	27,729	—	10,270	12,143	14,046	8,141	—	2,703	3
Union	36,333	10,514	5,790	3,351	16,678	8,709	1,792	1,021	1,741	4
Upson	39,891	22,688	—	9,381	7,822	11,724	6,281	—	2,731	2
Walker	10,932	11,696	265	5,552	13,419	8,033	3,361	53	1,327	3
Walton	44,083	30,283	—	6,343	7,457	9,802	5,573	—	2,413	1
Ware	65,776	60,992	2,285	2,075	424	22,832	21,125	629	922	
Warren	51,338	37,739	—	3,638	9,961	11,142	7,445	—	1,604	2
Washington	76,494	51,672	108	12,875	11,839	21,107	14,086	18	3,276	3
Wayne	63,474	52,594	3,668	5,161	2,051	25,142	22,004	823	1,636	
Webster	13,519	4,941	—	5,085	3,493	3,363	1,107	—	8%	1
Wheeler	41,473	34,513	93	4,708	2,159	9,886	7,772	51	1,419	
White	26,084	11,769	1,298	5,476	7,541	8,282	4,156	249	1,493	2
Whitfield	36,769	23,367	—	7,400	6,002	6,916	4,335	—	1,032	1
Wilcox	52,306	35,375	2,945	8,926	5,060	13,372	9,352	535	1,964	1
Wilkes	107,480	81,737	72	14,268	11,403	23,712	16,998	64	3,604	3
Wilkinson	77,124	39,734	3,766	19,865	13,759	18,105	9,812	604	4,184	3
Worth	60,963	51,879	784	6,146	2,154	15,158	12,393	176	1,198	1
Total	6,814,048	4,702,287	155,640	944,926	1,011,195	1,756,253	1,154,875	34,689	281,063	285

Table 9.—Annual removals of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	other softwood	Soft hardwood	h
	Thousand board feet					Thousand cubic feet				
Appling	63,009	59,852	1,693	323	1,141	17,777	16,770	571	255	
Atkinson	37,161	37,161	—	—	—	8,865	8,751	—	114	
Bacon	28,471	28,471	—	—	—	9,982	9,884	—	98	
Baker	8,159	7,173	—	—	986	3,517	2,716	175	—	
Baldwin	43,142	41,578	—	—	1,564	9,291	8,774	—	—	
Banks	32,983	22,588	—	4,142	6,253	9,002	6,308	—	1,309	
Barrow	11,388	10,169	—	1,219	—	2,346	2,179	—	167	
Bartow	28,970	22,743	—	2,443	3,779	6,330	4,664	—	515	
Ben Hill	21,854	21,854	—	—	—	5,925	5,925	—	—	
Berrien	28,440	27,927	—	513	—	8,020	7,700	108	119	
Bibb	16,840	12,478	—	2,777	1,585	3,915	2,731	—	660	
Bleckley	19,283	9,900	—	2,337	7,046	7,198	4,013	—	779	
Brantley	45,943	36,545	1,836	1,312	6,250	12,333	10,486	409	2%	
Brooks	15,623	13,155	—	—	2,468	5,141	2,883	—	—	
Bryan	56,042	40,113	—	13,257	2,672	16,058	12,734	—	2,849	
Bulloch	70,807	63,524	—	3,759	3,524	15,145	12,852	—	883	
Burke	42,370	32,569	—	5,691	4,110	14,328	10,458	—	1,811	
Butts	27,005	17,040	—	7,381	2,584	7,190	5,114	—	1,567	
Calhoun	20,097	8,815	—	1,341	9,941	4,947	1,871	—	392	
Camden	94,058	85,835	—	2,383	5,840	25,604	22,342	—	1,448	
Candler	15,734	12,866	—	2,073	795	4,533	3,697	—	5%	
Carroll	21,295	13,218	—	3,376	4,701	7,784	4,924	—	942	
Catoosa	1,738	—	—	777	961	1,156	—	—	726	
Charlton	73,979	70,711	—	2,735	533	19,938	18,197	—	887	
Chatham	33,239	28,761	—	547	3,931	7,158	5,500	—	627	
Chattahoochee	19,869	19,859	—	—	—	3,544	3,229	—	—	
Chat tooga	19,150	18,235	—	—	915	6,281	4,771	—	—	
Cherokee	19,466	16,679	—	2,787	—	5,313	4,438	—	875	
Clarke	12,057	12,057	—	—	—	3,057	3,057	—	—	
Clay	8,740	7,597	—	—	1,143	2,414	1,767	—	—	
Clayton	7,025	7,025	—	—	—	1,255	1,133	—	—	
Clinch	91,692	90,629	405	658	—	27,830	27,590	114	126	
Cobb	28,075	24,117	—	975	2,983	7,481	5,614	—	311	
Coffee	59,925	52,852	373	5,247	1,453	19,842	17,327	211	1,751	
Colquitt	36,992	33,576	—	1,601	1,815	8,678	7,863	—	3m	
Columbia	35,722	17,844	—	7,370	10,508	7,881	3,633	—	1,851	
Cook	21,272	18,784	—	2,488	—	6,225	5,150	—	822	
Coweta	41,683	31,787	—	7,478	2,418	12,472	8,985	—	2,746	
Crawford	61,697	51,806	—	7,191	2,700	14,895	12,322	—	2,041	
Crisp	16,968	14,296	—	1,166	1,506	3,734	2,997	—	432	
Dade	1,645	1,645	—	—	—	645	311	—	—	
Dawson	6,707	5,826	—	—	881	1,816	1,478	—	117	
Decatur	66,627	51,200	—	9,213	6,214	17,063	12,484	—	2,607	
De Kalh	8,400	8,149	—	—	251	1,523	1,397	—	—	
Dodge	43,029	38,660	—	3,686	683	11,964	10,317	—	1,510	
Dooly	18,750	13,960	—	691	4,099	6,052	3,877	—	789	
Dougherty	9,799	9,017	—	—	782	2,942	2,260	—	100	
Douglas	7,639	7,162	—	—	477	2,759	2,605	—	—	
Early	30,339	19,254	—	6,649	4,436	8,869	5,769	—	1,800	
Echols	45,716	44,306	1,410	—	—	12,204	11,827	377	—	
Effingham	43,937	32,080	—	4,969	6,888	12,318	9,224	148	1,075	
Elbert	28,214	19,208	—	4,138	4,868	8,931	6,007	64	1,298	
Emanuel	74,930	55,871	—	10,081	8,978	18,415	17,675	—	2,676	
Evans	2,693	2,693	—	—	—	1,051	8%	155	—	

Table 9.—Annual removals of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Fannin	4,910	—	—	—	4,910	1,089	—	—	—	1
Fayette	30,462	27,702	—	2,760	—	8,218	7,391	—	827	—
Floyd	6,466	5,666	—	—	800	4,242	3,255	—	—	—
Forsyth	15,402	15,402	—	—	—	3,659	3,285	—	374	—
Franklin	22,683	16,309	—	—	6,374	5,651	3,671	—	—	1
N ton	25,414	19,834	—	2,967	2,613	5,452	3,466	—	944	1
Gilmer	28,647	7,740	7,678	3,800	9,429	6,041	1,681	1,199	936	2
Glasaxk	7,912	2,610	—	4,122	1,180	2,996	1,762	—	716	—
Glynn	78,873	76,472	—	2,401	—	18,290	16,344	—	1,604	—
Gordon	12,723	11,491	—	501	731	4,410	4,032	—	173	—
Grady	33,387	29,938	—	1,162	2,317	8,173	6,221	—	540	1
Greene	78,878	63,917	—	12,884	2,077	18,054	13,654	—	3,173	1
Gwimett	38,871	22,979	—	7,764	8,128	8,752	5,270	—	1,758	1
Habersham	17,760	9,737	—	2,274	5,749	5,884	3,837	—	620	1
Hall	25,728	15,904	—	8 %	8,930	7,779	5,005	—	266	2
Hancock	71,673	62,148	—	7,415	2,110	17,321	14,014	—	2,091	1
Haralson	9,440	6,732	—	1,424	1,284	2,891	2,003	—	629	—
Harris	55,224	44,548	—	9,292	1,384	13,608	10,438	—	2,612	—
Hart	3,959	2,673	—	—	1,286	1,968	1,091	—	—	—
Heard	68,478	37,265	—	9,312	21,901	19,282	11,038	—	3,066	5
Henry	29,142	24,545	—	3,762	835	7,236	6,029	—	742	—
Houston	55,319	31,902	—	4,640	18,777	15,652	8,484	—	1,392	5
Irwin	22,350	20,528	—	1,822	—	5,294	4,436	—	858	—
Jackson	6,964	6,015	—	949	—	1,584	1,330	—	254	—
Jasper	46,532	36,444	—	5,469	4,619	10,241	6,673	81	1,243	2
Jeff Davis	23,606	21,839	—	598	1,202	8,154	7,198	—	268	—
Jefferson	39,036	25,948	—	9,197	3,891	10,855	7,285	—	2,131	1
Jenkins	17,547	17,547	—	—	—	6,281	5,911	—	176	—
Johnson	22,666	16,523	—	2,493	3,650	7,267	5,787	—	762	—
Jones	50,612	50,612	—	—	—	10,822	10,720	—	102	—
Lamar	72,103	17,525	—	3,152	1,426	6,463	5,183	—	748	—
Lanier	19,408	17,837	1,571	—	—	4,737	4,137	388	—	—
Laurens	78,052	59,276	—	8,855	9,921	24,198	20,025	—	2,238	1
Lee	6,375	1,349	—	710	4,316	3,075	670	—	577	1
Liberty	56,930	50,434	—	4,855	1,641	17,243	14,639	—	2,049	—
Lincoln	24,882	22,632	—	777	1,473	8,932	7,694	—	437	—
Long	33,301	26,258	—	4,626	2,417	9,447	7,751	—	1,245	—
Lowndes	48,633	38,994	—	8,916	723	12,583	10,293	—	2,006	—
Lumpkin	6,188	5,344	—	—	844	2,842	1,957	—	499	—
Macon	34,785	24,280	—	3,555	6,950	7,560	5,407	—	942	1
Madison	37,763	13,075	—	23,967	721	9,372	4,679	—	4,379	—
Marion	16,715	14,370	—	2,345	—	5,098	4,164	—	827	—
McDuffie	18,461	14,524	—	3,437	500	7,756	5,042	—	2,060	—
McIntosh	40,259	24,800	1,121	3,108	11,030	12,405	8,909	312	1,373	1
Meriwether	106,010	90,340	—	11,450	4,220	26,853	22,032	81	3,630	1
Miller	11,299	10,160	—	569	570	3,376	3,067	—	139	—
Mitchell	22,749	22,349	—	—	—	8,048	7,083	—	—	—
Monroe	70,028	64,204	—	993	4,831	18,337	15,922	—	1,050	1
Montgomery	33,257	16,748	1,865	3,495	11,149	7,620	4,304	336	601	2
Morgan	35,390	27,061	—	6,895	1,434	8,413	5,345	—	2,355	—
Murray	26,004	9,540	7,175	—	9,289	8,116	5,078	1,085	—	1
Muscogee	14,231	11,649	—	2,115	467	3,394	2,721	—	563	—
Newton	5,972	5,972	—	—	—	2,495	2,020	—	102	—
Oconee	3,548	2,336	—	—	1,212	806	474	—	73	—

Contir

Table 9.—Annual removals of sawtimber and growing stock on commercial forest land, by county and species group, Georgia, 1981—Continued

County	Sawtimber					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
	Thousand board feet					Thousand cubic feet				
Oglethorpe	64,553	51,590	—	11,229	1,734	17,147	14,035	—	2,321	—
Paulding	26,104	22,214	—	812	3,078	6,926	5,680	—	187	1
Peach	6,990	6,990	—	—	—	1,150	1,150	—	—	—
Pickens	12,851	12,286	—	—	565	3,568	3,080	—	351	—
Pierce	27,538	24,504	324	1,660	1,050	7,760	7,113	96	286	—
Pike	22,098	17,649	—	4,449	—	5,671	4,125	—	1,435	—
Polk	18,091	12,503	—	1,041	4,547	5,291	3,765	—	193	1
Pulaski	16,438	8,436	—	4,270	3,732	4,111	2,105	—	1,017	—
Putnam	61,370	52,228	—	7,083	2,059	15,669	12,853	—	1,985	—
Quitman	11,032	7,069	—	3,963	—	3,310	2,337	—	839	—
Rabun	11,887	10,147	—	938	802	2,326	1,743	—	271	—
Randolph	46,583	36,949	—	9,196	438	10,403	8,201	—	1,848	—
Richmond	22,889	7,884	974	14,031	—	6,270	2,670	186	3,272	—
Rockdale	4,851	4,851	—	—	—	826	826	—	—	—
Schley	16,521	16,049	—	—	572	4,110	3,974	—	—	—
Screven	30,541	25,116	3,108	—	2,317	9,363	8,496	448	—	—
Seminole	13,624	10,791	—	—	2,833	4,676	3,729	—	—	—
Spalding	8,118	6,675	—	623	820	2,985	2,135	—	567	—
Stephens	13,937	4,787	—	—	9,150	5,746	3,408	—	—	2
Stewart	79,326	66,825	491	4,514	7,496	21,074	16,370	120	2,233	2
Sumter	17,942	13,724	—	3,605	613	4,813	3,751	—	731	—
Talbot	54,102	45,622	—	4,261	4,219	12,757	10,545	—	1,055	1
Taliaferro	39,543	32,278	—	7,265	—	9,683	6,895	—	2,285	—
Tattnall	54,115	48,518	—	5,597	—	13,796	12,148	103	1,244	—
Taylor	29,688	21,958	—	6,383	1,347	6,962	4,500	—	1,788	—
Telfair	52,726	48,403	—	3,419	904	13,588	12,388	—	1,024	—
Terrell	10,219	4,547	—	5,113	559	5,086	3,088	—	1,717	—
Thomas	30,143	19,544	—	5,714	4,885	9,205	6,004	—	1,306	1
Tift	12,243	10,893	—	—	1,350	3,031	2,368	—	—	—
Toombs	36,073	33,119	—	2,128	826	12,183	10,756	—	1,018	—
Towns	3,209	2,024	—	—	1,185	758	520	—	—	—
Treutlen	34,114	32,978	—	1,136	—	8,754	7,619	—	296	—
Troup	49,698	42,066	—	3,448	4,184	13,184	10,779	—	778	1
Turner	10,474	7,941	—	2,533	—	2,296	1,743	—	553	—
Twiggs	48,248	30,925	—	6,945	10,378	9,764	6,222	—	1,415	2
Union	16,631	6,506	—	—	10,125	3,979	1,174	—	316	2
Upson	74,426	31,005	—	3,421	—	9,147	8,304	—	558	—
Walker	9,616	7,998	—	1,618	—	2,884	2,196	—	293	—
Walton	9,304	4,012	—	—	5,292	2,245	1,206	—	—	1
Ware	84,094	81,708	—	2,386	—	24,371	23,496	—	875	—
Warren	72,561	19,043	—	697	2,821	5,104	4,027	—	335	—
Washington	57,889	44,175	—	4,659	9,055	16,835	13,368	—	963	2
Wayne	73,458	70,865	335	2,258	—	20,014	18,864	110	901	—
Webster	31,332	24,058	—	1,886	5,388	8,102	6,177	—	707	1
Wheeler	79,862	34,116	—	1,384	4,362	11,454	10,336	—	399	—
White	8,883	8,883	—	—	—	1,946	1,946	—	—	—
Whitfield	24,428	22,687	—	884	857	8,272	7,871	—	236	—
Wilcox	20,509	20,509	—	—	—	7,788	7,684	—	104	—
Wilkes	54,084	45,001	—	5,699	3,384	12,320	9,417	204	1,512	1
Wilkinson	61,315	32,074	—	12,831	16,410	14,194	7,413	—	3,306	3
Worth	83,698	74,607	344	5,393	3,354	17,828	15,350	265	1,222	—
Total	5,079,064	4,100,532	70,703	491,165	456,664	1,367,977	1,079,333	7,346	140,137	141

Table 10.—Area of commercial forest land, by forest type and ownership class, Georgia, 1982

Forest type	All ownerships	Ownership class				
		National Forest	other public	Forest industry	Farmer	Misc. private
P - - P - - - -						
----- Acres -----						
Softwood types:						
White pine-hemlock	81,429	66,782	—	—	—	14,647
Spruce-fir	—	—	—	—	—	—
Longleaf pine	676,444	—	46,747	75,073	255,070	299,554
Slash pine	4,057,766	4,106	137,764	1,457,863	1,104,245	1,353,788
Loblolly pine	5,130,233	67,660	221,303	1,334,134	827,766	2,679,370
Shortleaf pine	914,704	42,485	29,388	116,070	177,727	549,034
Virginia pine	380,955	28,242	7,449	23,588	74,579	247,097
Sand pine	21,335	—	—	11,022	—	10,313
Eastern redcedar	19,658	—	—	—	10,179	9,479
Pond pine	141,448	—	13,172	32,231	32,195	63,850
Spruce pine	—	—	—	—	—	—
Pitch pine	14,947	14,947	—	—	—	—
Table Mountain pine	—	—	—	—	—	—
Total	11,488,912	224,222	455,823	1,977,911	2,971,101	4,061,761
Hardwood types:						
Oak-pine	2,959,550	133,036	118,616	409,336	812,702	1,485,860
Oak-hickory	5,458,754	403,866	103,656	679,320	1,531,939	2,739,973
Chestnut oak	37,982	—	—	—	10,382	27,600
Southern scrub oak	308,521	—	19,506	36,883	64,403	187,729
Oak-gum-cypress	3,069,475	—	105,310	684,230	1,127,700	1,152,235
Elm-ash-cottonwood	460,483	3,771	15,956	103,988	91,381	245,387
Maplebeech-birch	—	—	—	—	—	—
Total	12,294,765	540,673	363,044	1,913,757	3,638,507	5,838,784
All types	23,733,684	764,895	818,867	4,963,738	6,120,268	11,065,916

Table 11.—Area of commercial forest land, by ownership and stocking classes of growing-stock trees, Georgia, 1982

Ownership classes	All classes	Stocking percentage ^a				
		> 130	100-130	60-99	16.7-59	< 16.7
	</					

^aSee stocking standards on page 10.

Table 12.—Volume of timber on commercial forest land, by class and species group,
Georgia, 1982

Class of timber	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
----- Thousand cubic feet -----					
Sawtimber trees:					
Saw-log portion	17,398,227	9,403,902	748,955	3,507,306	3,738,064
Upper-stem portion	2,110,527	862,367	68,681	570,957	608,522
Total	19,508,754	10,266,269	817,636	4,078,263	4,346,586
Pole timber trees	10,063,442	4,584,319	214,149	2,900,835	2,364,139
All growing-stock trees	29,572,196	14,850,588	1,031,785	6,979,098	6,710,725
Rough trees:					
Sawtimber size	590,457	30,467	7,508	220,412	332,070
Poletimber size	876,376	27,041	5,077	339,562	504,696
Total	1,466,833	57,508	12,585	559,974	836,766
Rotten trees:					
Sawtimber size	265,950	—	10,803	122,967	132,180
Poletimber size	45,765	361	491	27,411	17,502
Total	311,715	361	11,294	150,378	149,682
Salvable dead trees:					
Sawtimber size	96,058	56,763	1,100	15,424	22,771
Poletimber size	71,189	52,289	440	8,525	9,935
Total	167,247	109,052	1,540	23,949	32,706
Total, all timber	31,517,991	15,017,509	1,057,204	7,713,399	7,729,879

Table 13.--Number of growing-stock trees on commercial forest land, by species and diameter class, Georgia, 1982

Species	All classes	Diameter class (inches at breast height)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 and larger
		F I									
Thousand trees											
Softwood:											
Longleaf pine	76,602	19,264	17,462	16,402	11,411	7,234	3,201	1,203	271	154	--
Slash pine	597,372	309,802	157,487	72,566	34,049	14,415	5,439	2,147	989	457	21
Shortleaf pine	221,877	93,734	63,961	34,069	18,947	7,550	2,459	822	215	120	--
Loblolly pine	698,996	266,747	180,822	112,902	65,705	37,900	18,921	9,669	3,737	2,520	73
Pond pine	23,780	9,160	5,862	3,838	2,371	1,238	864	211	175	61	--
Virginia pine	82,754	34,024	26,701	14,095	5,761	1,590	468	98	17	--	--
Pitch pine	2,992	771	773	395	346	365	158	85	63	36	--
Table Mountain pine	566	317	91	56	83	--	--	19	--	--	--
Spruce pine	1,883	374	422	230	288	354	67	24	62	54	8
Sand pine	468	468	--	--	--	--	--	--	--	--	--
Eastern white pine	9,285	1,778	2,208	1,324	1,144	747	824	377	419	435	29
Eastern hemlock	1,386	206	386	275	227	202	30	--	36	13	11
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	9,437	2,381	1,576	1,329	1,105	836	897	361	444	461	47
Pondcypress	64,449	25,823	14,547	10,469	6,952	3,458	1,879	687	225	254	55
Cedars	5,426	3,636	1,021	393	170	112	79	15	--	--	--
Total softwoods	1,797,473	768,485	473,419	268,343	148,559	76,201	35,286	15,718	6,653	4,565	244
Hardwood:											
Select white oaks	93,273	35,349	20,143	14,474	10,143	5,995	3,534	1,675	946	951	63
Select red oaks	26,229	9,197	5,164	3,530	3,061	1,933	1,393	705	579	605	62
Chestnut oak	41,018	16,937	6,094	6,402	4,702	3,205	1,691	935	507	503	42
Other white oaks	40,542	15,352	10,130	6,864	3,129	2,002	1,185	769	352	592	167
Other red oaks	288,220	111,445	67,333	42,407	28,893	15,843	9,373	5,634	2,890	3,880	522
Hickory	85,242	35,974	19,473	13,012	6,399	5,314	2,653	1,033	527	638	17
Yellow birch	--	--	--	--	--	--	--	--	--	--	--
Hard maple	2,632	1,158	1,044	222	91	101	--	16	--	--	--
Soft maple	86,470	39,037	21,621	11,323	4,191	3,814	2,434	1,009	642	566	33
Beech	2,579	553	546	242	272	182	241	226	88	217	12
Sweetgum	248,881	118,188	59,452	33,023	18,262	10,293	5,008	2,528	1,201	881	45
Tupelo and blackgum	274,434	96,753	54,627	34,308	23,791	12,472	6,372	3,470	1,234	1,293	114
Ash	22,879	6,424	6,705	3,914	2,630	1,547	658	391	174	214	22
Cottonwood	804	522	116	48	53	--	--	32	13	20	--
Basswood	712	--	66	286	273	61	22	--	--	--	4
Yellow-poplar	92,726	28,440	20,068	13,448	11,919	7,944	5,250	2,664	1,441	1,284	68
Bay and magnolia	39,078	18,387	9,939	4,645	2,931	1,463	925	455	187	126	20
Black cherry	11,546	7,829	2,275	795	480	120	--	17	--	30	--
Black walnut	1,481	964	208	185	35	37	--	30	14	8	--
sycamore	3,497	985	1,259	283	294	234	144	154	91	53	--
Slack locust	1,263	582	189	346	58	65	--	23	--	--	--
Elm	24,448	10,951	6,820	3,188	1,280	1,138	522	305	123	121	--
Other eastern hardwoods	33,183	20,210	6,127	2,909	1,882	871	487	339	202	153	3
Total hardwoods	1,381,337	575,437	319,599	196,054	126,769	74,636	41,897	22,410	11,211	12,135	1,194
All species	3,178,810	1,343,922	793,918	\$64,397	275,328	150,837	77,178	38,128	17,564	16,700	1,438

Table 14.--Volume of all live trees on commercial forest land, by species and diameter class, Georgia, 1982

Species	All classes	Diameter class (inches at breast height)										and larger
		5.0- 6.99	7.0- 10.9	9.0- 12.9	11.0- 14.9	13.0- 16.9	15.0- 18.9	17.0- 20.9	19.0- 28.9	29.0		
		Thousand cubic feet										
Softwood:												
Longleaf pine	1,051,921	52,485	117,553	217,533	236,391	211,230	124,336	61,499	16,502	14,392	--	--
Slash pine	4,313,907	835,956	1,017,550	908,272	689,154	422,186	222,592	111,939	63,821	38,658	3,779	--
Shortleaf pine	1,695,854	218,769	372,924	371,683	358,054	211,282	96,002	41,997	14,731	10,412	--	--
Loblolly pine	6,948,710	626,030	1,030,609	1,257,412	1,232,086	1,058,890	747,240	503,011	243,988	236,429	13,015	--
Pond pine	230,368	23,815	34,010	43,790	41,983	31,211	30,786	9,913	9,638	5,222	--	--
Virginia pine	580,007	98,864	168,574	155,023	94,313	40,014	16,710	5,126	1,383	--	--	--
Pitch pine	44,937	1,959	5,577	4,997	5,477	9,501	5,348	3,982	4,323	3,773	--	--
Table Mountain pine	3,910	897	1,024	432	1,002	--	--	555	--	--	--	--
Spruce pine	38,012	945	3,349	3,547	5,386	10,249	2,741	1,413	4,114	4,769	1,499	--
Sand pine	831	831	--	--	--	--	--	--	--	--	--	--
Eastern white pine	193,690	4,989	13,032	13,284	18,188	18,556	30,392	17,814	25,921	46,350	5,164	--
Eastern hemlock	20,344	519	2,380	2,871	3,881	3,982	832	--	2,141	1,191	2,547	--
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	200,859	8,052	9,003	15,941	21,079	22,366	31,827	15,599	24,743	37,682	14,567	--
Pondcypress	616,066	72,616	96,965	122,682	114,687	86,233	56,863	26,829	10,727	19,348	9,116	--
Cedars	24,705	7,860	4,301	3,394	3,130	2,634	2,401	920	--	65	--	--
Total softwoods	15,964,121	1,954,587	2,976,951	3,120,381	2,824,811	2,128,237	1,258,070	800,597	422,032	418,291	49,687	--
Hardwood:												
Select white oaks	1,085,603	98,386	114,358	158,769	179,903	157,986	131,747	79,319	57,664	92,021	15,450	--
Select red oaks	405,492	28,339	32,246	41,328	53,672	51,520	52,746	34,420	37,326	59,445	14,450	--
Chestnut oak	478,630	43,547	37,043	64,532	80,230	76,896	54,941	44,798	27,058	43,053	6,532	--
Other white oaks	558,320	43,351	59,457	70,292	58,368	60,018	48,617	43,608	27,620	88,463	58,526	--
Other red oaks	3,312,643	304,708	403,398	457,873	498,048	404,721	330,976	262,967	173,131	362,217	114,604	--
Hickory	821,941	83,145	108,133	131,009	107,504	137,613	98,848	54,325	34,096	63,240	4,028	--
Yellow birch	--	--	--	--	--	--	--	--	--	--	--	--
Hard maple	22,539	3,675	8,482	3,486	1,373	2,877	300	2,076	--	270	--	--
Soft maple	967,658	151,198	159,742	147,519	127,001	118,703	95,413	56,113	44,320	61,471	6,178	--
Beech	83,838	3,381	3,354	3,983	5,041	4,979	9,312	13,897	8,195	26,349	5,347	--
Sweetgum	2,133,675	253,337	343,658	381,831	346,247	299,079	200,090	133,738	79,658	84,332	11,705	--
Tupelo and blackgum	2,421,527	292,584	363,293	404,013	440,069	334,102	228,606	160,897	68,195	104,229	25,539	--
Ash	291,338	22,865	46,930	43,697	49,722	43,261	26,341	20,277	11,834	21,187	5,224	--
Cottonwood	9,554	1,549	1,009	870	1,904	--	--	1,737	859	1,626	--	--
Basswood	12,277	--	1,013	2,935	4,957	1,518	581	--	--	712	561	--
Yellow-poplar	1,339,980	79,887	126,407	156,147	222,966	217,355	190,446	129,620	88,139	113,496	15,517	--
Bay and magnolia	364,963	58,912	68,403	56,862	54,479	44,674	34,772	19,885	11,660	10,770	4,546	--
Black cherry	71,860	25,749	20,515	9,924	7,854	3,906	--	824	--	3,088	--	--
Black walnut	10,248	2,035	1,061	1,588	836	1,419	--	1,717	626	966	--	--
Sycamore	49,748	4,368	8,966	3,183	5,460	6,284	4,994	6,992	5,258	4,243	--	--
Black locust	17,299	3,542	2,283	4,263	807	3,059	413	1,736	12	1,184	--	--
Elm	224,106	27,255	39,701	36,938	25,672	33,198	21,084	16,001	10,817	12,397	1,043	--
Other eastern hardwoods	703,384	223,877	146,092	121,869	73,500	47,088	29,460	25,133	18,487	16,207	1,671	--
Total hardwoods	15,386,623	1,755,690	2,095,544	2,302,911	2,154,420	1,890,230	1,250,970	704,955	1,270,356	290,921	--	--

Table 15.--Volume of growing stock on commercial forest land, by species and diameter class, Georgia, 1982

Species	All classes	Diameter class (inches at breast height)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 and larger
		Thousand cubic feet									
Softwood:											
Longleaf pine	1,050,064	52,148	117,445	216,747	236,933	211,230	124,068	61,499	16,502	14,392	--
Slash pine	4,303,286	833,135	1,015,375	906,640	685,825	422,186	222,592	111,939	63,157	38,658	3,779
Short leaf pine	1,690,738	216,607	372,069	370,427	358,054	211,282	95,159	41,997	14,731	10,412	--
Loblolly pine	6,919,330	620,529	1,022,451	1,252,251	1,228,482	1,055,932	746,011	501,604	243,988	235,067	13,015
Pond pine	227,842	22,330	33,846	43,453	41,983	31,211	30,236	9,913	9,638	5,222	--
Virginia pine	572,243	96,347	167,455	153,119	94,313	38,581	15,919	5,126	1,383	--	--
Pitch pine	44,332	1,959	5,577	4,392	5,477	9,501	5,348	3,982	4,323	3,773	--
Table Mountain pine	3,910	897	1,024	432	1,002	--	--	555	--	--	--
Spruce pine	38,012	945	3,349	1,547	5,386	10,249	2,741	1,413	4,114	4,769	1,499
Sand pine	831	831	--	--	--	--	--	--	--	--	--
Eastern white pine	193,690	4,989	13,032	13,284	18,188	18,556	30,392	17,814	25,921	46,350	5,164
Eastern hemlock	20,344	519	2,380	2,871	3,881	3,982	832	--	2,141	1,191	2,547
Spruce and fir	--	--	--	--	--	--	--	--	--	--	--
Baldcypress	192,974	7,812	9,003	15,523	20,752	22,366	31,827	15,599	24,416	36,100	9,566
Pondcypress	603,117	70,515	94,656	119,803	113,873	84,604	56,532	26,589	10,495	18,701	7,349
Cedars	21,660	7,142	4,101	2,790	2,457	2,634	2,003	533	--	--	--
Total softwoods	15,882,373	1,936,705	2,861,763	3,105,289	2,815,716	2,122,311	1,263,660	798,563	420,809	414,635	43,919
Hardwood :											
Select white oaks	1,055,295	94,172	113,030	154,399	177,175	154,516	127,947	77,812	54,967	88,095	11,272
Select red oaks	390,608	27,954	31,439	39,067	52,360	49,931	49,800	33,829	34,973	58,761	12,494
Chestnut oak	440,756	40,188	32,724	59,105	72,508	73,586	51,383	40,039	26,446	38,941	5,836
Other white oaks	420,414	36,784	50,055	44,799	45,558	46,622	37,059	32,793	19,705	52,887	34,152
Other red oaks	3,114,639	283,517	385,667	439,222	475,875	388,981	312,325	246,397	157,691	331,230	89,734
Hickory	792,487	78,665	102,416	127,192	104,933	134,947	98,028	52,395	32,035	53,885	2,991
Yellow birch	--	--	--	--	--	--	--	--	--	--	--
Hard maple	17,976	3,675	6,427	2,748	1,373	2,877	--	876	--	--	--
Soft maple	747,160	106,061	123,395	114,340	103,241	95,420	79,034	43,915	34,115	43,156	4,463
Beech	64,643	1,608	3,354	2,691	4,520	4,979	9,219	10,778	4,831	20,622	2,041
Sweetgum	2,061,393	237,392	330,246	371,269	340,046	292,777	193,841	129,988	77,160	80,714	7,960
Tupelo and blackgum	2,132,414	243,626	312,883	356,418	396,569	305,109	205,558	144,523	60,208	87,698	17,822
Ash	261,569	17,914	38,992	40,865	47,379	42,096	23,398	18,781	9,998	18,341	3,805
Cottonwood	8,545	1,549	1,009	389	1,376	--	--	1,737	859	1,626	--
Basswood	10,961	--	514	2,935	4,957	1,413	581	--	--	--	561
Yellow-poplar	1,317,261	77,481	122,905	155,258	221,794	215,641	188,436	128,325	86,189	109,296	11,936
Bay and magnolia	316,241	50,605	59,214	50,477	49,228	37,397	30,711	18,522	9,131	8,345	2,611
Black cherry	54,701	19,022	13,526	8,253	7,459	2,746	--	824	--	2,661	--
Black walnut	9,573	2,035	1,061	1,588	836	744	--	1,717	626	966	--
Sycamore	47,867	3,137	8,966	3,114	5,460	6,284	4,994	6,992	5,258	3,662	--
Slack locust	9,531	1,211	1,062	3,909	807	1,652	--	890	--	--	--
Elm	200,850	24,316	34,677	32,789	23,752	30,663	18,132	16,001	8,662	11,858	--
Other eastern hardwoods	214,939	45,059	33,931	30,653	31,144	20,399	15,196	14,427	11,232	12,453	445
Total hardwoods	13,689,823	1,395,971	1,807,493	2,061,510	2,172,550	1,910,780	1,146,642	723,052	424,980	490,107	202,312

Table 16.--Volume of sawtimber on commercial forest land, by species and diameter class, Georgia, 1982

Species	All classes	Diameter class (inches at breast height)								
		9.0-	11.0-	13.0-	15.0-	17.0-	19.0-	21.0-	29.0 and	
		10.9	12.9	14.9	16.9	18.9	20.9	28.9	larger	
----- Thousand board feet -----										
Softwood:										
Longleaf pine	4,445,335	882,605	1,138,749	1,133,843	713,529	374,472	105,352	96,785	--	
Slash pine	11,321,151	3,363,533	3,147,421	2,192,066	1,260,950	673,907	398,676	257,397	27,201	
Shortleaf pine	4,961,623	1,355,517	1,606,362	1,071,802	524,384	245,946	90,712	66,900	--	
Loblolly pine	25,385,643	4,406,894	5,413,295	5,325,461	4,126,689	2,961,523	1,512,884	1,545,427	93,470	
Pond pine	824,727	163,431	189,869	157,278	164,958	57,758	58,104	33,329	--	
Virginia pine	1,204,290	529,213	385,573	176,971	78,326	26,692	7,515	--	--	
Pitch pine	190,031	14,383	23,657	47,076	29,180	23,229	27,211	25,295	--	
Table Mountain pine	9,710	1,750	4,687	--	--	3,273	--	--	--	
Spruce pine	166,415	15,771	24,860	49,840	13,682	7,249	21,431	25,331	8,251	
Sand pine	--	--	--	--	--	--	--	--	--	
Eastern white pine	940,172	47,275	78,045	89,615	159,356	98,217	149,537	284,493	33,634	
Eastern hemlock	84,949	10,243	16,193	18,287	4,103	--	12,062	7,152	16,909	
Spruce and fir	--	--	--	--	--	--	--	--	--	
Baldcypress	857,398	42,829	76,958	96,672	153,443	80,221	133,257	211,181	62,837	
Pondcypress	1,816,090	373,742	440,555	374,509	274,934	137,756	56,984	110,513	47,097	
Cedars	51,215	11,466	11,440	13,935	11,248	3,126	--	--	--	
Total softwoods	52,258,749	11,218,652	12,557,664	10,747,355	7,514,782	4,692,573	725	2,663,803	289,399	

Hardwood:										
Select white oaks	2,920,536	--	577,762	605,464	554,130	363,934	274,288	475,251	69,707	
Select red oaks	1,246,057	--	167,976	187,363	204,903	153,251	162,936	297,324	72,304	
Chestnut oak	1,248,457	--	228,073	273,937	212,307	178,744	125,097	197,759	32,540	
Other white oaks	1,326,035	--	163,421	196,354	172,000	164,294	104,364	305,560	220,042	
Other red oaks	9,280,751	--	1,714,148	1,620,634	1,437,792	1,222,238	828,956	1,889,812	567,171	
Hickory	2,107,181	--	352,812	539,484	443,469	256,786	165,991	330,102	18,537	
Yellow birch	--	--	--	--	--	--	--	--	--	
Hard maple	20,737	--	5,017	11,746	--	3,974	--	--	--	
Soft maple	1,610,986	--	326,224	355,885	326,259	195,960	161,859	219,792	25,007	
Beech	228,023	--	16,664	18,952	36,025	42,935	19,522	85,228	8,697	
Sweet gum	5,032,814	--	1,205,414	1,245,382	933,160	679,854	429,295	485,911	53,798	
Tupelo and blackgum	4,982,900	--	1,251,471	1,185,731	902,666	705,879	311,263	499,038	126,852	
Ash	671,168	--	155,266	161,566	99,929	87,117	48,735	96,552	22,003	
Cottonwood	25,936	--	4,763	--	--	8,257	4,365	8,551	--	
Basswood	27,940	--	16,997	5,377	2,425	--	--	--	3,141	
Yellow-poplar	4,523,616	--	786,044	924,130	909,418	674,255	483,595	663,862	82,312	
Bay and magnolia	643,390	--	158,887	145,610	135,943	89,956	45,206	50,447	17,341	
Black cherry	55,267	--	27,035	10,921	--	3,872	--	13,439	--	
Black walnut	17,310	--	2,893	2,603	--	6,101	2,233	3,480	--	
Sycamore	140,293	--	16,755	23,313	21,248	33,048	26,422	19,507	--	
Black locust	12,183	--	2,818	6,017	--	3,348	--	--	--	
Elm	449,891	--	81,153	118,469	76,248	72,239	41,237	60,545	--	
Other eastern hardwoods	411,860	--	95,092	75,119	62,172	62,787	51,508	62,102	3,080	
Total hardwoods	- 36A - 983 - 331 - --		7,356,685	7,714,057	-6,-530,094	5,008,829	3,286,872	5,764,262	1,322,532	

Table 17.—Net annual growth and removals of growing stock on commercial forest land, by species, Georgia, 1981

Species'	Net annual growth	Annual timber removals
-- -- Thousand cubic feet -- --		
Softwood:		
Yellow pines	1,154,875	1,079,333
Eastern white pine	8,498	2,284
Spruce and fir	—	—
Cypress	23,085	4,512
Other eastern softwoods	3,106	550
Total softwoods	1,189,564	1,086,679
Hardwood:		
Select white and red oaks	57,138	22,906
Other white and red oaks	180,340	93,600
Hickory	25,924	15,150
Yellow birch	—	—
Hard maple	1,563	395
Sweetgum	94,846	57,078
Ash, walnut, and black cherry	15,111	6,002
Yellow-poplar	77,549	38,770
Tupelo and blackgum	48,922	22,632
Bay and magnolia	9,774	3,346
Other eastern hardwoods	55,522	21,419
Total hardwoods	566,689	281,298
All species	1,756,253	1,367,977

Table 18.—Net annual growth and removals of sawtimber on commercial forest land, by species, Georgia, 1981

Species	Net annual growth	Annual timber removals
-- -- Thousand board feet -- --		
Softwood:		
Yellow pines	4,702,287	4,100,532
Eastern white pine	48,045	14,853
Spruce and fir	—	—
cypress	97,196	15,359
Other eastern softwoods	10,399	491
Total softwoods	4,857,927	4,131,235
Hardwood:		
Select white and red oaks	222,628	83,429
Other white and red oaks	643,172	295,521
Hickory	83,627	46,537
Yellow birch	—	—
Hard maple	2,033	1,856
Sweetgum	317,110	169,444
Ash, walnut, and black cherry	43,456	17,945
Yellow-poplar	327,646	174,394
Tupelo and blackgum	152,923	81,210
Say and magnolia	27,312	10,439
Other eastern hardwoods	136,214	67,054
Total hardwoods	1,956,121	947,829
All species	6,814,048	5,079,064

Table 19.—Mortality of growing stock and sawtimber on commercial forest land, by species, Georgia, 1981

Species	Growing stock	Sawtimber
	Thousand cubic feet	Thousand board feet
Softwood:		
Yellow pines	203,835	524,458
Eastern white pine	926	6,327
Spruce and fir	—	—
cypress	1,558	2,682
Other eastern softwoods	395	2,024
Total softwoods	206,714	535,491
Hardwood:		
Select white and red oaks	7,363	26,102
Other white and red oaks	40,748	141,632
Hickory	4,891	15,004
Yellow birch	—	—
Hard maple	125	611
Sweet gum	15,984	49,357
Ash, walnut, and black cherry	2,918	8,341
Yellow-poplar	7,254	22,729
Tupelo and black gum	8,281	26,201
Bay and magnolia	1,714	5,058
Other eastern hardwoods	15,252	41,599
Total hardwoods	104,530	336,634
All species	311,244	872,125

Table 20.—Volume of all live trees and growing stock on commercial forest land, by ownership class and species group, Georgia, 1982

Ownership class	All live trees					Growing stock				
	All species	Pine	Other softwood	Soft hardwood	Hard hardwood	All species	Pine	Other softwood	Soft hardwood	Hard hardwood
----- Thousand cubic feet -----										
National Forest	1,359,222	263,095	143,912	185,740	766,475	1,242,054	262,805	143,912	174,553	660,784
Other public	1,522,732	905,548	20,525	338,859	257,800	1,439,415	902,477	19,483	312,040	205,415
Forest industry	5,804,234	3,015,226	319,638	1,374,559	1,094,811	5,515,529	3,005,639	308,269	1,244,174	957,447
Farmer	8,425,201	3,823,359	221,716	2,500,282	1,879,844	7,888,165	3,808,010	218,107	2,236,795	1,625,253
Miscellaneous private	14,239,355	6,901,229	349,873	3,290,010	3,698,243	13,487,033	6,871,657	342,014	3,011,536	3,261,826
All ownerships	31,350,744	14,908,457	1,055,664	7,689,450	7,697,173	29,572,196	14,850,588	1,031,785	6,979,098	6,710,725

Table 21.—Volume of sawtimber on commercial forest land, by ownership class and species group, Georgia, 1982

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
----- Thousand board feet -----										
National Forest	1,530,072	571,169	176,419	193,721	588,763	2,637,240	392,747	520,617	294,217	1,429,659
Other public	2,777,494	2,091,735	41,318	402,508	241,933	2,462,551	1,719,402	20,334	428,722	294,093
Forest industry	8,450,705	5,653,239	491,224	1,376,708	929,534	6,915,366	2,209,187	589,527	2,037,819	2,078,833
Farmer	13,900,934	9,050,387	444,027	2,620,110	1,786,410	10,104,155	4,334,042	235,437	2,733,820	2,800,856
Miscellaneous private	22,935,208	15,455,377	548,776	3,360,105	3,570,950	17,528,355	7,031,640	682,145	4,222,673	5,591,897
All ownerships	49,594,413	32,821,907	1,701,764	7,953,152	7,117,590	39,647,667	15,687,018	2,048,060	9,717,251	12,195,338

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

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

Table 22.—Net annual growth and removals of growing stock on commercial forest land, by ownership class and species group, Georgia, 1981

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
	----- Thousand cubic feet -----									
National Forest	43,537	11,662	6,663	7,505	17,707	31,205	22,453	1,166	1,460	6,126
Other public	76,859	54,572	697	12,149	9,441	44,529	35,759	—	3,959	4,811
Forest industry	393,769	299,191	8,602	44,334	41,642	343,004	277,924	2,046	30,166	32,868
Farmer	453,034	279,428	7,328	88,713	77,565	398,874	305,092	903	46,097	46,782
Miscellaneous private	789,054	510,022	11,399	128,362	139,271	550,365	438,105	3,231	58,455	50,574
All ownerships	1,756,253	1,154,875	34,689	281,063	285,626	1,367,977	1,079,333	7,346	140,137	141,161

Table 23.—Net annual growth and removals of sawtimber on commercial forest land, by ownership class and species group, Georgia, 1981

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
	----- Thousand board feet -----									
National Forest	197,834	59,856	36,523	30,032	71,423	149,147	115,624	7,175	4,069	22,279
Other public	351,789	283,398	3,206	34,324	30,861	177,133	143,000	—	12,811	21,322
Forest industry	1,287,103	949,346	38,669	148,386	150,702	1,211,260	1,000,535	8,527	94,090	108,108
Farmer	1,882,334	1,280,676	26,504	308,477	266,677	1,473,605	1,182,090	1,041	158,289	132,185
Miscellaneous private	3,094,988	2,129,011	50,738	423,707	491,532	2,067,919	1,659,283	13,960	221,906	172,770
All ownerships	6,814,048	4,702,287	155,640	944,926	1,011,195	5,079,064	4,100,532	30,703	491,165	456,664

Table 24.--Average net volume per acre of sawtimber, growing stock, and other live timber^a on commercial forest land, by major forest type, species group, and ownership class, Georgia, 1982

Forest type, species group, and class of material	Ownership class											
	All ownerships											
			National Forest		Other public		Forest industry		Farmer		Misc.	private
	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet	Board feet	Cubic feet
Pine types:												
Growing stock:												
Softwood	3,466	1,198	5,860	1,457	6,399	1,534	2,017	831	4,216	1,252	3,630	1,144
Hardwood	3,717	1,220	6,836	1,824	358	144	120	56	275	133	291	1,281
Total					6,757	1,678	2,137	887	4,491	1,385	3,921	
Other timber:												
Softwood	--	4	--	1	--	6	--	3	--	4	--	5
Hardwood	--	16	--	90	--	13	--	8	--	21	--	17
Total	--	20	--	91	--	19	--	11	--	25	--	22
Oak-pine types:												
Growing stock:												
Softwood	2,091	566	2,685	614	3,020	725	2,082	2,296	76	604	838	523
Hardwood	1,093	487	2,406	653	1,066	477	944	330	1,086	1,115	495	496
Total	3,184	1,053	4,091	1,267	4,086	1,202	3,026	966	3,376	1,099	2,953	1,019
Other timber:												
Softwood	--	4	--	--	--	7	--	3	--	5	--	3
Hardwood	--	67	--	118	--	102	--	33	--	80	--	62
Total	--	71	--	118	--	109	--	36	--	85	--	65
Upland hardwood types:												
Growing stock:												
Softwood	437	107	212	55	654	152	438	99	417	103	470	117
Hardwood	2,773	998	4,015	1,586	2,766	997	3,661	890	2,498	913	2,746	1,003
Total	3,210	1,105							2,832	1,016	3,216	1,120
Other timber:												
Softwood	--	1	--	--	--	--	--	--	--	2	--	--
Hardwood	--	107	--	191	--	164	--	80	--	112	--	97
Total	--	108	--	191	--	164	--	80	--	114	--	97
Lowland hardwood types:												
Growing stock:												
Softwood	1,109	1,444	8,458	--	898	175	1,488	380	1,024	258	1,035	259
Hardwood	5,292	1,727	8,458	2,984	5,052	1,764	4,431	2,424	2,754	1,390	4,260	1,462
Total				2,984	5,950	1,939	5,919	1,811	4,778	1,648	5,295	1,721
Other timber:												
Softwood	--	5	--	--	--	1	--	12	--	2	--	4
Hardwood	--	195	--	--	--	236	--	204	--	184	--	195
Total	--	200	--	--	--	237	--	216	--	186	--	199
All types:												
Growing stock:												
Softwood	2,388	669	2,137	523	4,140	986	1,706	632	2,321	664	2,213	673
Hardwood	3,760	1,246	3,325	1,075	1,461	553	1,225	420	1,641	1,637	62	585
Total				1,598	5,601	1,539	2,931	1,052	3,962	1,301	3,775	1,258
Other timber:												
Softwood	--	3	--	1	--	4	--	4	--	3	--	3
Hardwood	--	77	--	150	--	85	--	51	--	86	--	67
Total	--	75	--	151	--	89	--	55	--	89	--	70
All timber	3,760	1,321	5,362	1,749	5,601	1,628	2,931	1,107	3,962	1,390	3,775	1,328

Table 25.—Land area, by class, major forest type, and survey completion date, Georgia, 1961, 1972, and 1982

Land use class	Survey completion date			Change 1972-t-1982
	1961	1972	1982	
----- Acres -----				
Forest land:				
Commercial forest land:				
Pine and oak-pine types	16,795,500	16,129,955	14,398,469	-1,731,486
Hardwood types	8,992,600	8,696,471	9,335,215	+638,744
Total	25,788,100	24,826,426	23,733,684	-1,092,742
Noncommercial forest land:				
Productive-reserved	35,400	383,679	490,593	+106,914
Unproductive	25,900	30,075	18,161	-11,914
Total	61,300	413,754	508,754	+95,000
Nonforest land:				
Cropland	6,943,500	6,276,534	6,773,563	+497,029
Pasture and range	2,522,500	2,825,525	2,505,404	-320,121
Other	1,811,400	2,668,710	3,315,058	+646,348
Total	11,277,400	11,770,769	12,594,025	+823,256
All land ^a	37,126,800	37,010,949	36,836,463	-174,486

^aExcludes all water areas.

Table 26.—Volume^a of sawtimber, growing stock, and all live timber on commercial forest land, by species group, survey completion date, and diameter class, Georgia

Species group and year	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-a.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-1a.9	19.0-20.9	21.0 and larger	
SAWTIMBER (in thousand board feet)											
Softwood											
1961	34,277,082	—	—	9,128,464	9,646,568	6,865,767	3,977,546	2,202,748	1,197,710	1,258,279	
1972	45,982,304	—	—	10,295,932	11,816,320	9,986,873	6,447,297	3,554,456	1,806,910	2,074,516	
1982	52,258,749	—	—	11,218,652	12,557,664	10,747,355	7,514,782	4,693,369	2,573,725	2,953,202	
Hardwood											
1961	23,370,068	—	—	—	5,239,651	5,226,835	3,693,451	3,031,185	2,166,172	4,012,774	
1972	29,860,789	—	—	—	6,329,286	6,497,549	5,150,967	3,769,794	2,579,013	5,534,180	
1982	36,983,331	—	—	—	7,356,685	7,714,057	6,530,094	5,008,829	3,286,872	7,086,794	
GROWING STOCK (in thousand cubic feet>											
Softwood											
1961	11,334,079	1,615,940	2,203,338	2,519,063	2,156,552	1,353,037	720,895	374,776	195,548	194,930	
1972	14,986,701	2,293,358	2,834,644	2,849,339	2,647,524	1,971,016	1,169,416	604,741	295,314	321,349	
1982	15,882,373	1,936,705	2,861,763	3,105,289	2,815,716	2,122,314	1,363,660	798,563	420,809	457,554	
Hardwood											
1961	9,264,089	1,021,190	1,342,155	1,504,614	1,547,305	1,294,327	816,755	619,610	417,132	701,001	
1972	11,689,280	1,282,828	1,671,502	1,879,801	1,869,016	1,610,033	1,139,706	771,812	497,841	966,741	
1982	13,689,823	1,395,971	1,807,493	2,061,510	2,172,550	1,910,780	1,445,642	1,023,561	634,086	1,238,230	
ALL LIVE TIMBER (in thousand cubic feet>											
Softwood											
1961	11,392,460	1,632,035	2,214,142	2,531,206	2,163,648	1,356,571	722,888	375,551	196,300	200,119	
1972	15,064,489	2,315,836	2,849,018	2,863,752	2,655,875	1,976,281	1,173,021	606,299	296,134	328,273	
1982	15,964,121	1,954,587	2,876,851	3,120,861	2,824,811	2,128,334	1,368,070	800,597	422,032	467,978	
Hardwood											
1961	10,378,189	1,214,061	1,562,591	1,683,560	1,672,881	1,394,243	886,022	674,156	464,314	826,361	
1972	13,155,879	1,608,936	1,936,702	2,098,830	2,016,510	1,728,855	1,231,849	838,505	554,773	1,140,919	
1982	15,386,623	1,755,690	2,095,544	2,302,911	2,345,613	2,050,256	1,559,687	1,110,080	704,955	1,461,887	

^aTo provide a basis for valid comparisons, adjustments have been made to allow for differences in volume tables and sawtimber specifications used in previous surveys.

Tansey, John B.

Forest statistics for Georgia, 1982. Resour. Bul. SE-69, Asheville, NC: U.S. Department of Agriculture, Forest Service, Southeastern Forest Experiment Station; 1983. 50 p.

Since the fourth inventory of the forest resources of Georgia in 1972, the area of commercial forest land decreased over 4 percent, or by almost 1.1 million acres. Commercial forests now cover approximately 23.7 million acres, 64 percent of the land area in the State. Nearly 5.1 million acres were harvested, while about 2.9 million acres were adequately regenerated. Volume of softwood growing stock increased 6 percent, and the volume of hardwood growing stock increased 17 percent. Net annual growth of softwood growing stock equaled 1.2 billion cubic feet compared to annual softwood removals of 1.1 billion cubic feet. Hardwood net annual growth equaled 567 million cubic feet compared to annual removals of 281 million cubic feet. Softwood mortality, which increased 145 percent since 1971, equals 207 million cubic feet and includes 535 million board feet of sawtimber.

KEYWORDS: Commercial forest land, timber volume, net annual growth, timber removals, timber mortality.

Tansey, John B.

Forest statistics for Georgia, 1982. Resour. Bul. SE-69, Asheville, NC: U.S. Department of Agriculture, Forest Service, Southeastern Forest Experiment Station; 1983. 50 p.

Since the fourth inventory of the forest resources of Georgia in 1972, the area of commercial forest land decreased over 4 percent, or by almost 1.1 million acres. Commercial forests now cover approximately 23.7 million acres, 64 percent of the land area in the State. Nearly 5.1 million acres were harvested, while about 2.9 million acres were adequately regenerated. Volume of softwood growing stock increased 6 percent, and the volume of hardwood growing stock increased 17 percent. Net annual growth of softwood growing stock equaled 1.2 billion cubic feet compared to annual softwood removals of 1.1 billion cubic feet. Hardwood net annual growth equaled 567 million cubic feet compared to annual removals of 281 million cubic feet. Softwood mortality, which increased 145 percent since 1971, equals 207 million cubic feet and includes 535 million board feet of sawtimber.

KEYWORDS: Commercial forest land, timber volume, net annual growth, timber removals, timber mortality.



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.

USDA policy does not permit discrimination because of race, color, national origin, sex or religion. Any person who believes he or she has been discriminated against in any USDA-related activity should write immediately to the Secretary of Agriculture, Washington, D.C. 20250.